



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700
 D.A.R.T. Id: 11-0068
 Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

February 14, 2011

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
 Project: 11-0068, Yellow Bluff Air Study
 Air Quality Management

FROM: Floyd Wellborn *fw*
 OCS Chemist *2-14-11*

THRU: Sallie Hale, Chief
 ASB Organic Chemistry Section

TO: Michael Crowe

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

Volatile Organics (VOA)

Volatile organic compounds

EPA TO-15



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Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days



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SAMPLES INCLUDED IN THIS REPORT

Project: 11-0068, Yellow Bluff Air Study

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
YBVOCTB1	E110601-01	Trip Blank Air	1/27/11 08:00	1/31/11 13:52
YBAV01	E110601-02	Ambient Air	1/24/11 14:50	1/31/11 13:52
YBAV02	E110601-03	Ambient Air	1/25/11 16:10	1/31/11 13:52
YBAV03	E110601-04	Ambient Air	1/26/11 15:50	1/31/11 13:52
YBAV91	E110601-05	Ambient Air	1/24/11 14:50	1/31/11 13:52
YBAV92	E110601-06	Ambient Air	1/25/11 16:11	1/31/11 13:52
YBAV93	E110601-07	Ambient Air	1/26/11 15:50	1/31/11 13:52
YBBV01	E110601-08	Ambient Air	1/24/11 11:16	1/31/11 13:52
YBBV02	E110601-09	Ambient Air	1/25/11 11:01	1/31/11 13:52
YBBV03	E110601-10	Ambient Air	1/26/11 10:57	1/31/11 13:52



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DATA QUALIFIER DEFINITIONS

- U The analyte was not detected at or above the reporting limit.
B-2 Reporting level elevated due to trace amounts of analyte present in the method blank.
J The identification of the analyte is acceptable; the reported value is an estimate.
NJ Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
O-2 Result greater than MDL but less than MRL.
OC-5 Calibration check standard less than method control limits.
OC-6 Calibration check standard greater than method control limits.

ACRONYMS AND ABBREVIATIONS

- CAS Chemical Abstracts Service
Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
- MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
- MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
- TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBVOCTB1

Lab ID: E110601-01

Station ID:

Matrix: Trip Blank Air

Date Collected: 1/27/11 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	3.5	U	ug/m3	3.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.3	U, J, QC-5	ug/m3	3.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.6	U, J, QC-6	ug/m3	3.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
106-99-0	1,3-Butadiene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
622-96-8	4-Ethyltoluene	4.7	U	ug/m3	4.7	2/01/11 13:47	2/04/11 3:34	EPA TO-15
67-64-1	Acetone	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
71-43-2	Benzene	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
100-44-7	Benzyl chloride	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-25-2	Bromoform	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-15-0	Carbon disulfide	1.4	U	ug/m3	1.4	2/01/11 13:47	2/04/11 3:34	EPA TO-15



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBVOCTB1

Lab ID: E110601-01

Station ID:

Matrix: Trip Blank Air

Date Collected: 1/27/11 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
74-87-3	Chloromethane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
141-78-6	Ethyl Acetate	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
100-41-4	Ethyl Benzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
87-68-3	Hexachlorobutadiene	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
110-54-3	Hexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
78-93-3	Methyl Ethyl Ketone	1.3	U	ug/m3	1.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-09-2	Methylene Chloride	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
100-42-5	Styrene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-88-3	Toluene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBVOCTB1

Lab ID: E110601-01

Station ID:

Matrix: Trip Blank Air

Date Collected: 1/27/11 8:00

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	2.7 U	ug/m3	2.7	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-05-4	Vinyl acetate	1.6 U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
593-60-2	Vinyl bromide	2.1 U	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-01-4	Vinyl chloride	1.2 U	ug/m3	1.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
Tentatively Identified Compounds:							
R4-0000	Tentatively Identified Compounds	20 U	ug/m3	20	2/01/11 13:47	2/04/11 3:34	EPA TO-15



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV01

Lab ID: E110601-02

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.56	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 10:03	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.4	U	ug/m3	2.4	2/01/11 13:47	2/04/11 10:03	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
123-91-1	1,4-Dioxane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
67-64-1	Acetone	3.5	U, B-2	ug/m3	3.5	2/01/11 13:47	2/04/11 10:03	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
71-43-2	Benzene	0.65	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 10:03	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-25-2	Bromoform	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 10:03	EPA TO-15



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV01

Lab ID: E110601-02

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.49	J, Q-2	ug/m3	3.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
74-87-3	Chloromethane	0.93	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
110-82-7	Cyclohexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
124-48-1	Dibromochloromethane	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
142-82-5	Heptane	0.14	J, Q-2	ug/m3	2.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
87-68-3	Hexachlorobutadiene	5.2	U	ug/m3	5.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
110-54-3	Hexane	0.14	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
26635-64-3	Isooctane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.9	U, J, QC-6	ug/m3	4.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.98	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-09-2	Methylene Chloride	0.21	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
109-99-9	Tetrahydrofuran	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-88-3	Toluene	0.35	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV01

Lab ID: E110601-02

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-05-4	Vinyl acetate	1.7	U, J, QC-6	ug/m3	1.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	ug/m3	20	2/01/11 13:47	2/04/11 10:03	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV02

Lab ID: E110601-03

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	0.25	J, Q-2	ug/m3	4.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U, J, QC-6	ug/m3	3.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.58	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/07/11 18:50	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/07/11 18:50	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
67-64-1	Acetone	3.5	U, B-2	ug/m3	3.5	2/01/11 13:47	2/07/11 18:50	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
71-43-2	Benzene	0.60	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/07/11 18:50	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/07/11 18:50	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV02

Lab ID: E110601-03

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.53	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
74-87-3	Chloromethane	0.99	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
142-82-5	Heptane	0.18	J, Q-2	ug/m3	2.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
110-54-3	Hexane	0.18	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/07/11 18:50	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.67	J, Q-2, QC-6	ug/m3	1.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U, J, QC-6	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-88-3	Toluene	0.46	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700
 D.A.R.T. Id: 11-0068
 Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV02

Lab ID: E110601-03

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:10

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.3 J, Q-2	ug/m3	2.7	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-05-4	Vinyl acetate	1.6 U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
593-60-2	Vinyl bromide	2.1 U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-01-4	Vinyl chloride	1.2 U	ug/m3	1.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
Tentatively Identified Compounds:							
R4-8000545	Dimethylmethylenecycloheptane (TIC)	300 NJ	ug/m3		2/01/11 13:47	2/07/11 18:50	EPA TO-15
R4-6520	Pinene (TIC)	100 NJ	ug/m3		2/01/11 13:47	2/07/11 18:50	EPA TO-15



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 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV03

Lab ID: E110601-04

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U, J, QC-6	ug/m3	3.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.55	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/07/11 19:40	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/07/11 19:40	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
67-64-1	Acetone	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 19:40	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
71-43-2	Benzene	0.53	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/07/11 19:40	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/07/11 19:40	EPA TO-15



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 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV03

Lab ID: E110601-04

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.51	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
74-87-3	Chloromethane	0.88	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
110-54-3	Hexane	0.14	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/07/11 19:40	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.37	J, Q-2, QC-6	ug/m3	1.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U, J, QC-6	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-88-3	Toluene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV03

Lab ID: E110601-04

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-05-4	Vinyl acetate	1.6	U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
Tentatively Identified Compounds:								
R4-6520	Pinene (TIC)	40	NJ	ug/m3		2/01/11 13:47	2/07/11 19:40	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV91

Lab ID: E110601-05

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.1	U	ug/m3	4.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U, J, QC-6	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.59	J, Q-2	ug/m3	3.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.3	U, J, QC-5	ug/m3	3.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.6	U, J, QC-6	ug/m3	3.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
78-87-5	1,2-Dichloropropane	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
106-99-0	1,3-Butadiene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
123-91-1	1,4-Dioxane	3.8	U	ug/m3	3.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
107-05-1	3-Chloropropene	2.7	U	ug/m3	2.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
622-96-8	4-Ethyltoluene	4.6	U	ug/m3	4.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
67-64-1	Acetone	3.6	U	ug/m3	3.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
107-13-1	Acrylonitrile	0.99	U	ug/m3	0.99	2/01/11 13:47	2/07/11 20:29	EPA TO-15
71-43-2	Benzene	0.68	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
100-44-7	Benzyl chloride	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-27-4	Bromodichloromethane	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-25-2	Bromoform	4.8	U	ug/m3	4.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-15-0	Carbon disulfide	1.4	U	ug/m3	1.4	2/01/11 13:47	2/07/11 20:29	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV91

Lab ID: E110601-05

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.52	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-00-3	Chloroethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
74-87-3	Chloromethane	0.95	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
124-48-1	Dibromochloromethane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
141-78-6	Ethyl Acetate	4.1	U	ug/m3	4.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
100-41-4	Ethyl Benzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
142-82-5	Heptane	0.14	J, Q-2	ug/m3	1.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
87-68-3	Hexachlorobutadiene	5.0	U	ug/m3	5.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
110-54-3	Hexane	0.14	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
67-63-0	Isopropanol	2.9	U, J, QC-6	ug/m3	2.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.7	U, J, QC-6	ug/m3	4.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.95	J, Q-2, QC-6	ug/m3	1.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.7	U, J, QC-6	ug/m3	4.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U, J, QC-6	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
100-42-5	Styrene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-88-3	Toluene	0.36	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 11-0068
Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV91

Lab ID: E110601-05

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.3 J, Q-2	ug/m3	2.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-05-4	Vinyl acetate	1.6 U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
593-60-2	Vinyl bromide	2.1 U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-01-4	Vinyl chloride	1.2 U	ug/m3	1.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
Tentatively Identified Compounds:							
R4-0000	Tentatively Identified Compounds	20 U	ug/m3	20	2/01/11 13:47	2/07/11 20:29	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV92

Lab ID: E110601-06

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:11

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U	ug/m3	3.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.56	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.4	U	ug/m3	2.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.8	U, J, QC-6	ug/m3	3.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
106-46-7	1,4-Dichlorobenzene	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
123-91-1	1,4-Dioxane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
67-64-1	Acetone	3.5		ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
71-43-2	Benzene	0.61	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 10:52	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-27-4	Bromodichloromethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-25-2	Bromoform	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
74-83-9	Bromomethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 10:52	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV92

Lab ID: E110601-06

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:11

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.52	J, Q-2	ug/m3	3.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
74-87-3	Chloromethane	0.98	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
110-82-7	Cyclohexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 10:52	EPA TO-15
124-48-1	Dibromochloromethane	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.6		ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
142-82-5	Heptane	0.16	J, Q-2	ug/m3	2.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
87-68-3	Hexachlorobutadiene	5.2	U	ug/m3	5.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
110-54-3	Hexane	0.19	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/04/11 10:52	EPA TO-15
26635-64-3	Isooctane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.9	U, J, QC-6	ug/m3	4.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.77	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
115-07-1	Propene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
109-99-9	Tetrahydrofuran	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-88-3	Toluene	0.45	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV92

Lab ID: E110601-06

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:11

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-05-4	Vinyl acetate	1.7	U, J, QC-6	ug/m3	1.7	2/01/11 13:47	2/04/11 10:52	EPA TO-15
593-60-2	Vinyl bromide	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
Tentatively Identified Compounds:								
R4-8000545	Dimethylmethylenecycloheptane (TIC)	100	NJ	ug/m3		2/01/11 13:47	2/04/11 10:52	EPA TO-15
R4-6520	Pinene (TIC)	300	NJ	ug/m3		2/01/11 13:47	2/04/11 10:52	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV93

Lab ID: E110601-07

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U	ug/m3	3.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.56	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.4	U	ug/m3	2.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.8	U, J, QC-6	ug/m3	3.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
106-46-7	1,4-Dichlorobenzene	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
123-91-1	1,4-Dioxane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
67-64-1	Acetone	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
71-43-2	Benzene	0.49	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 11:42	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-27-4	Bromodichloromethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-25-2	Bromoform	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
74-83-9	Bromomethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 11:42	EPA TO-15



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 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV93

Lab ID: E110601-07

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.52	J, Q-2	ug/m3	3.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
74-87-3	Chloromethane	0.84	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
110-82-7	Cyclohexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 11:42	EPA TO-15
124-48-1	Dibromochloromethane	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
87-68-3	Hexachlorobutadiene	5.2	U	ug/m3	5.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
110-54-3	Hexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 11:42	EPA TO-15
26635-64-3	Isooctane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.9	U, J, QC-6	ug/m3	4.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.38	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-09-2	Methylene Chloride	0.21	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
115-07-1	Propene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
109-99-9	Tetrahydrofuran	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-88-3	Toluene	0.26	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV93

Lab ID: E110601-07

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.3 J, Q-2	ug/m3	2.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-05-4	Vinyl acetate	1.7 U, J, QC-6	ug/m3	1.7	2/01/11 13:47	2/04/11 11:42	EPA TO-15
593-60-2	Vinyl bromide	2.2 U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-01-4	Vinyl chloride	1.2 U	ug/m3	1.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
Tentatively Identified Compounds:							
R4-6520	Pinenc (TIC)	40 NJ	ug/m3		2/01/11 13:47	2/04/11 11:42	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV01

Lab ID: E110601-08

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/24/11 11:16

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.58	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 12:31	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/04/11 12:31	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
67-64-1	Acetone	3.5	U, B-2	ug/m3	3.5	2/01/11 13:47	2/04/11 12:31	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
71-43-2	Benzene	0.58	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 12:31	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 12:31	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV01

Lab ID: E110601-08

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/24/11 11:16

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.55	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
74-87-3	Chloromethane	0.99	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.7		ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
110-54-3	Hexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 12:31	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
78-93-3	Methyl Ethyl Ketone	1.2	J, Q-2	ug/m3	1.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-88-3	Toluene	0.30	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV01

Lab ID: E110601-08

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/24/11 11:16

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.4 J, Q-2	ug/m3	2.7	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-05-4	Vinyl acetate	1.6 U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
593-60-2	Vinyl bromide	2.1 U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-01-4	Vinyl chloride	1.2 U	ug/m3	1.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
Tentatively Identified Compounds:							
R4-0000	Tentatively Identified Compounds	20 U	ug/m3	20	2/01/11 13:47	2/04/11 12:31	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV02

Lab ID: E110601-09

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/25/11 11:01

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 13:20	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.60	J, Q-2	ug/m3	3.5	2/01/11 13:47	2/04/11 13:20	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 13:20	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/04/11 13:20	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
106-99-0	1,3-Butadiene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
622-96-8	4-Ethyltoluene	4.7	U	ug/m3	4.7	2/01/11 13:47	2/04/11 13:20	EPA TO-15
67-64-1	Acetone	3.0	U, B-2	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
71-43-2	Benzene	0.62	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 13:20	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-15-0	Carbon disulfide	1.4	U	ug/m3	1.4	2/01/11 13:47	2/04/11 13:20	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV02

Lab ID: E110601-09

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/25/11 11:01

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.55	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
74-87-3	Chloromethane	1.0	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.6		ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
141-78-6	Ethyl Acetate	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
110-54-3	Hexane	0.18	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.48	J, Q-2	ug/m3	1.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
100-42-5	Styrene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-88-3	Toluene	0.48	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV02

Lab ID: E110601-09

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/25/11 11:01

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.4 J, Q-2	ug/m3	2.7	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-05-4	Vinyl acetate	1.6 U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
593-60-2	Vinyl bromide	2.1 U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-01-4	Vinyl chloride	1.2 U	ug/m3	1.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
Tentatively Identified Compounds:							
R4-0000	Tentatively Identified Compounds	20 U	ug/m3	20	2/01/11 13:47	2/04/11 13:20	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV03

Lab ID: E110601-10

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/26/11 10:57

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	3.8	U	ug/m3	3.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.54	J, Q-2	ug/m3	3.2	2/01/11 13:47	2/04/11 14:09	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-34-3	1,1-Dichloroethane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.0	U, J, QC-5	ug/m3	3.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.3	U, J, QC-6	ug/m3	3.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
107-06-2	1,2-Dichloroethane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
78-87-5	1,2-Dichloropropane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
106-99-0	1,3-Butadiene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
123-91-1	1,4-Dioxane	3.5	U	ug/m3	3.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
107-05-1	3-Chloropropene	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
622-96-8	4-Ethyltoluene	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
67-64-1	Acetone	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
107-13-1	Acrylonitrile	0.91	U	ug/m3	0.91	2/01/11 13:47	2/04/11 14:09	EPA TO-15
71-43-2	Benzene	0.35	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
100-44-7	Benzyl chloride	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-27-4	Bromodichloromethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-25-2	Bromoform	4.4	U	ug/m3	4.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
74-83-9	Bromomethane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-15-0	Carbon disulfide	1.3	U	ug/m3	1.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV03

Lab ID: E110601-10

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/26/11 10:57

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.50	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-90-7	Chlorobenzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-00-3	Chloroethane	2.7	U	ug/m3	2.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
67-66-3	Chloroform	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
74-87-3	Chloromethane	0.85	J, Q-2	ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	1.9	U, J, QC-6	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
110-82-7	Cyclohexane	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
124-48-1	Dibromochloromethane	3.6	U	ug/m3	3.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.4		ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
141-78-6	Ethyl Acetate	3.7	U	ug/m3	3.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
100-41-4	Ethyl Benzene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
142-82-5	Heptane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
87-68-3	Hexachlorobutadiene	4.6	U	ug/m3	4.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
110-54-3	Hexane	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
26635-64-3	Isooctane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
67-63-0	Isopropanol	2.7	U, J, QC-6	ug/m3	2.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.3	U, J, QC-6	ug/m3	4.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.21	J, Q-2	ug/m3	1.2	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-09-2	Methylene Chloride	0.21	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
95-47-6	o-Xylene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
115-07-1	Propene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
100-42-5	Styrene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
109-99-9	Tetrahydrofuran	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-88-3	Toluene	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.0	U, J, QC-6	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV03

Lab ID: E110601-10

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/26/11 10:57

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-69-4	Trichlorofluoromethane (Freon 11)	1.2	J, Q-2	ug/m3	2.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-05-4	Vinyl acetate	1.5	U, J, QC-6	ug/m3	1.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
593-60-2	Vinyl bromide	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-01-4	Vinyl chloride	1.1	U	ug/m3	1.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
Tentatively Identified Compounds:								
R4-6520	Pinene (TIC)	20	NJ	ug/m3		2/01/11 13:47	2/04/11 14:09	EPA TO-15

Data Verification Form for VOA GC/MS Air Analysis

Project Name: Yellow Bluff Project Number: 11-0068 WO Number: E110601
Primary Analyst: Initials fw Date 2-9-11 Method Tracker TO-15 Matrix Air

- N NA 1. Holding times met (if applicable) or if holding times exceeded, affected data are appropriately qualified and standard remark applied.
- N NA 2. Method blank analyzed and meets acceptance criteria or appropriate action taken if method blank contains contamination (e.g., rerun method blank or raise MRL)
- N NA 3. BFB tune and continuing calibration performed and meet criteria.
- N NA 4. Internal standard (IS) areas for blanks and samples are within method specific acceptance criteria (60-140% from that in the most recent valid calibration) or appropriate action taken.
- N NA 5. Surrogate standards meet established control limits or appropriate action taken.

Comments:

Secondary Analyst: Initials KT Date 2-11-11

- N NA 6. Sample and sample duplicate % recoveries and RPDs meet established criteria or specific sample data appropriately qualified
- N NA 7. Target analyte retention times and mass spectra match lab-generated reference mass spectra and retention times according to method-specified criteria.
- N NA 8. Tentatively identified mass spectra and library reference mass spectra are acceptable matches.
- N NA 9. Project file contains, or references location of, all necessary information for raw data, calibrations, extraction, standards, run logs, dilutions, and tunes.
- N NA 10. Sample and QC data have been entered and verified in Element and if qualified, contain the appropriate remarks to show reason(s) for qualification.

Comments:

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BS1.D
 Acq On : 3 Feb 2011 6:34 pm
 Operator : FW
 Sample : 1102004-BS1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:13:27 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:14 2011
 Response via : Initial Calibration

fw
2-3-11
2-11-11

V 5973 VA1 2-3-11

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	1000167	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	798693	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	330583	30.00	UG/M3	0.00

System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	16.380	98	27013	0.00	% Rec	0.00
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 7001 Propene	4.426	41	296470	1.80	UG/M3	98
3) 7005 Freon 12 (CL2F2Me...	4.518	85	924113	5.21	UG/M3	99
4) 7017 Freon 114 (Cl2F4E...	4.842	85	1043002	7.52	UG/M3	100
5) 7025 Chloromethane	4.959	50	329224	2.09	UG/M3	97
6) 7035 Vinyl Chloride	5.246	62	358338	2.76	UG/M3	100
7) 7018 1,3-Butadiene	5.344	54	573160	4.72	UG/M3	100
8) 7030 Bromomethane	6.011	94	269727	4.54	UG/M3	99
9) 7040 Chloroethane	6.237	64	196354	3.06	UG/M3	100
10) 7008 Vinyl Bromide (Br...	6.641	106	371876	4.83	UG/M3	98
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	883974	6.02	UG/M3	98
12) 7011 Freon 113 (Cl3F3E...	7.803	101	742604	8.12	UG/M3	100
13) 7050 1,1-Dichloroethene	7.797	61	510982	4.03	UG/M3	100
14) 7051 Acetone	7.846	43	427114	2.24	UG/M3	99
15) 7024 Isopropanol	8.085	45	407382	2.19	UG/M3	98
16) 7052 Carbon Disulfide	8.244	76	983508	3.39	UG/M3	100
17) 7026 3-Chloropropene (...)	8.440	41	655741	5.81	UG/M3	99
18) 7045 Methylene Chloride	8.635	49	345532	3.49	UG/M3	99
19) 7020 Acrylonitrile	9.027	53	159298	2.23	UG/M3	98
20) 7915 Methyl T-Butyl Ether	9.149	73	1022815	4.33	UG/M3	99
21) 7060 trans-1,2-Dichlor...	9.143	61	496723	4.04	UG/M3	100
22) 7016 Hexane	9.626	57	628220	3.67	UG/M3	99
23) 7055 1,1-Dichloroethane	9.847	63	622182	4.37	UG/M3	100
24) 7028 Vinyl Acetate	9.883	43	502052	3.52	UG/M3	99
25) 7058 Methyl Ethyl Ketone	10.789	72	151322	3.12	UG/M3	99
26) 7056 cis-1,2-Dichloroe...	10.801	96	370015	4.35	UG/M3	100
27) 7029 Ethyl Acetate	10.868	70	93277	3.73	UG/M3	95
28) 7065 Chloroform	11.297	83	684250	5.35	UG/M3	100
29) 7032 Tetrahydrofuran	11.315	42	313301	2.63	UG/M3	98
31) 7075 1,1,1-Trichloroet...	11.670	97	705173	5.76	UG/M3	100
32) 7013 Cyclohexane	11.804	56	649112	3.61	UG/M3	99
33) 7080 Carbon Tetrachloride	11.963	117	713000	6.59	UG/M3	99
34) 7070 1,2-Dichloroethane	12.251	62	401376	4.25	UG/M3	99
35) 7105 Benzene	12.275	78	1164371	3.55	UG/M3	100
36) 7036 Isooctane (2,2,4-...	12.392	57	1970164	5.06	UG/M3	100
37) 7038 Heptane	12.649	43	630589	4.17	UG/M3	98
38) 7100 Trichloroethene	13.297	132	481957	5.63	UG/M3	100
39) 7090 1,2-Dichloropropane	13.658	63	376142	5.09	UG/M3	99
40) 7043 1,4-Dioxane	13.866	88	162578	2.87	UG/M3	97
41) 7085 Bromodichloromethane	14.068	83	755444	6.58	UG/M3	100
43) 7120 cis-1,3-Dichlorop...	14.808	75	381730	4.97	UG/M3	100

ABC Cleaners 11-0150
 E110303 -01, -02, -03 REI & Dup of -03 REI
 Yellow Buff Air Study 11-0068
 E110601 -01 thru -10

Marginal Exceedances of LCS-TCA Tracking Form

Batch ID: _____ Date Analyzed: 2-3-11
 Project #: ABC Cleaners (11-0150)
Yellow Bluff (11-0068) Analyst: AW
 Analytical Method TO15 Prep Method TO15 Cleanup ✓ Matrix AIR

of analytes in LCS 69 (11-30 analytes 1 in ME; 31-50 analytes 2 in ME; 51-70 analytes 3 in ME; 71-90 analytes 4 in ME)

SampleID	Analyte	Recovery	L4SIG	LCL	UCL	U4SIG
1102004-BS1	Propene	100	45.37	59.60	145.00	159.23
1102004-BS1	Dichlorodifluoromethane (Freon	104	58.45	69.10	133.00	143.65
1102004-BS1	1,2-Dichlorotetrafluoroethane (Fr	106	56.22	66.90	131.00	141.68
1102004-BS1	Chloromethane	99.5	50.50	63.00	138.00	150.50
1102004-BS1	Vinyl chloride	106	50.75	62.50	133.00	144.75
1102004-BS1	1,3-Butadiene	107	49.70	61.60	133.00	144.90
1102004-BS1	Bromomethane	114	42.37	55.60	135.00	148.23
1102004-BS1	Chloroethane	113	45.97	59.40	140.00	153.43
1102004-BS1	Vinyl bromide	105	61.23	70.20	124.00	132.97
1102004-BS1	Trichlorofluoromethane (Freon '	102	59.25	69.50	131.00	141.25
1102004-BS1	1,1,2-Trichloro-1,2,2-Trifluoroeth	105	56.33	66.00	124.00	133.67
1102004-BS1	1,1-Dichloroethene (1,1-Dichloro	101	53.47	63.40	123.00	132.93
1102004-BS1	Acetone	97.4	55.22	66.90	137.00	148.68
1102004-BS1	Isopropanol	84.2	37.68	52.30	140.00	154.62
1102004-BS1	Carbon disulfide	106	59.60	68.80	124.00	133.20
1102004-BS1	3-Chloropropene	95.2	50.88	61.90	128.00	139.02
1102004-BS1	Methylene Chloride	99.7	53.57	64.20	128.00	138.63
1102004-BS1	Acrylonitrile	101	43.82	56.70	134.00	146.88
1102004-BS1	Methyl T-Butyl Ether (MTBE)	108	67.27	75.80	127.00	135.53
1102004-BS1	trans-1,2-Dichloroethene	104	62.32	71.70	128.00	137.38
1102004-BS1	Hexane	102	54.68	65.30	129.00	139.62
1102004-BS1	1,1-Dichloroethane	107	56.65	66.70	127.00	137.05
1102004-BS1	Vinyl acetate	97.8	52.53	64.60	137.00	149.07
1102004-BS1	Methyl Ethyl Ketone	108	65.60	73.80	123.00	131.20
1102004-BS1	cis-1,2-Dichloroethene	106	58.97	68.40	125.00	134.43
1102004-BS1	Ethyl Acetate	107	58.77	67.80	122.00	131.03
1102004-BS1	Chloroform	107	59.92	69.50	127.00	136.58
1102004-BS1	Tetrahydrofuran	90.7	49.83	61.00	128.00	139.17
1102004-BS1	1,1,1-Trichloroethane	103	58.93	68.80	128.00	137.87
1102004-BS1	Cyclohexane	103	55.43	65.80	128.00	138.37
1102004-BS1	Carbon Tetrachloride	101	52.78	64.10	132.00	143.32
1102004-BS1	1,2-Dichloroethane	101	58.17	68.00	127.00	136.83
1102004-BS1	Benzene	108	56.05	65.90	125.00	134.85
1102004-BS1	Isooctane	103	56.78	67.10	129.00	139.32
1102004-BS1	Heptane	97.0	48.67	61.00	135.00	147.33
1102004-BS1	Trichloroethene (Trichloroethyler	101	55.18	66.30	133.00	144.12
1102004-BS1	1,2-Dichloropropane	106	52.30	63.40	130.00	141.10
1102004-BS1	1,4-Dioxane	84.4	13.33	31.00	137.00	154.67
1102004-BS1	Bromodichloromethane	104	59.93	69.80	129.00	138.87
1102004-BS1	cis-1,3-Dichloropropene	106	58.13	67.40	123.00	132.27
1102004-BS1	Methyl Isobutyl Ketone	85.5	41.58	54.50	132.00	144.92
1102004-BS1	Toluene	112	61.75	70.50	123.00	131.75
1102004-BS1	trans-1,3-Dichloropropene	107	57.02	66.30	122.00	131.28
1102004-BS1	1,1,2-Trichloroethane	111	64.32	72.70	123.00	131.38
1102004-BS1	Tetrachloroethene (Tetrachloroe	95.7	60.48	69.70	125.00	134.22
1102004-BS1	Methyl Butyl Ketone	72.9	35.10	47.80	124.00	136.70

<u>SampleID</u>	<u>Analyte</u>	<u>Recovery</u>	<u>L4SIG</u>	<u>LCL</u>	<u>UCL</u>	<u>U4SIG</u>
1102004-BS1	Dibromochloromethane	103	53.75	64.50	129.00	139.75
1102004-BS1	1,2-Dibromoethane (EDB)	108	61.40	70.20	123.00	131.80
1102004-BS1	Chlorobenzene	106	62.22	70.90	123.00	131.68
1102004-BS1	Ethyl Benzene	111	63.33	72.00	124.00	132.67
1102004-BS1	(m- and/or p-)Xylene	113	66.32	74.70	125.00	133.38
1102004-BS1	o-Xylene	110	66.43	74.80	125.00	133.37
1102004-BS1	Styrene	104	56.72	66.90	128.00	138.18
1102004-BS1	Bromoform	103	13.12	32.10	146.00	164.98
1102004-BS1	> 1,1,2,2-Tetrachloroethane	134	56.00	67.00	133.00	144.00
1102004-BS1	> 4-Ethyltoluene	143	60.97	72.40	141.00	152.43
1102004-BS1	1,3,5-Trimethylbenzene	132	64.57	75.20	139.00	149.63
1102004-BS1	1,2,4-Trimethylbenzene	127	56.02	69.30	149.00	162.28
1102004-BS1	1,3-Dichlorobenzene	119	53.52	65.30	136.00	147.78
1102004-BS1	1,4-Dichlorobenzene	118	50.90	63.20	137.00	149.30
1102004-BS1	Benzyl chloride	106	31.08	45.50	132.00	146.42
1102004-BS1	1,2-Dichlorobenzene	123	56.28	68.10	139.00	150.82
1102004-BS1	1,2,4-Trichlorobenzene	89.6	-2.58	26.50	201.00	230.08
1102004-BS1	Hexachlorobutadiene	88.8	19.73	43.20	184.00	207.47

Actions/Notes taken (if any):

Data will be flagged. Compounds will be monitored to determine if maintenance is needed.

CONVERT

Cylinder #AB-100175 (25 cmpds bold)

FROM TO

Cylinder #AB-4561 (43 cmpds)

Analytical Curve 02/03/11

COMPOUND	MOL. WT.	CONC PPBv	CONC UG/M3	UG/M3 Nominal	UG/M3 MDL	SRM Level	CCV Level	Level	Level	Level	Level	(in ppbv)
CONC FACTOR (@25 C)	24.47	Spectra Restek				0.2	0.5	1	2	4	6	
PROPENE	42.08	107	184.0	200.00	0.03		0.92	1.80	3.70	7.40	11.10	(in ug/m3)
FREON 12 (CI2F2METHANE)	120.00	102	500.2	500.00	0.05	1.00	2.50	5.00	10.00	20.00	30.10	
FREON 114 (CI2F4METHANE)	170.92	101	705.5	700.00	0.10	1.41	3.50	7.10	14.10	28.20	42.50	
CHLOROMETHANE	50.49	100	206.3	200.00	0.03		1.00	2.10	4.10	8.30	12.40	
VINYL CHLORIDE	62.50	101	258.0	300.00	0.04	0.52	1.30	2.60	5.20	10.30	15.50	
1,3-BUTADIENE	54.09	201	444.3	400.00	0.07	0.89	2.20	4.40	8.90	17.80	26.80	
BROMOMETHANE	94.94	102	395.7	400.00	0.08	0.79	2.00	4.00	7.90	15.80	23.80	
CHLOROETHANE	64.52	102	268.9	300.00	0.05		1.30	2.70	5.40	10.80	16.20	
VINYL BROMIDE (BROMOETHENE)	106.95	105	458.9	500.00	0.06	0.92	2.30	4.60	9.20	18.40	27.60	
FREON 11 (CI3FMETHANE)	137.38	105	589.5	600.00	0.07	1.18	2.90	5.90	11.80	23.60	35.50	
FREON 113 (CI3F3ETHANE)	187.38	101	773.4	800.00	0.11	1.55	3.90	7.70	15.50	30.90	46.60	
1,1-DICHLOROETHENE	96.95	100	396.2	400.00	0.05	0.79	2.00	4.00	7.90	15.80	23.90	
ACETONE	58.08	96	227.9	200.00	0.07		1.10	2.30	4.60	9.10	13.70	
ISOPROPANOL	60.10	104	255.4	300.00	0.05		1.30	2.60	5.10	10.20	15.40	
CARBON DISULFIDE	76.14	102	317.4	300.00	0.03	0.63	1.60	3.20	6.30	12.70	19.10	
3-CHLOROPRENE (ALLYL CHLOR)	76.53	194	606.7	600.00	0.13	1.21	3.00	6.10	12.10	24.30	36.60	
METHYLENE CHLORIDE	84.94	101	350.6	400.00	0.04	0.70	1.80	3.50	7.00	14.00	21.10	
ACRYLONITRILE	53.06	101	219.0	200.00	0.04	0.44	1.10	2.20	4.40	8.80	13.20	
METHYL T-BUTYL ETHER	88.15	110	396.3	400.00	0.06	0.79	2.00	4.00	7.90	15.90	23.90	
TRANS-1,2-DICHLOROETHENE	96.94	99	392.2	400.00	0.05	0.78	2.00	3.90	7.80	15.70	23.60	
HEXANE	86.18	102	359.2	400.00	0.06	0.72	1.80	3.60	7.20	14.40	21.60	
1,1-DICHLOROETHANE	98.96	102	412.5	400.00	0.06	0.83	2.10	4.10	8.30	16.50	24.80	
VINYL ACETATE	86.09	101	355.3	400.00	0.05	0.71	1.80	3.60	7.10	14.20	21.40	
METHYL ETHYL KETONE	72.10	98	288.8	300.00	0.04	0.58	1.40	2.90	5.80	11.60	17.40	
CIS-1,2-DICHLOROETHENE	96.94	103	408.0	400.00	0.06	0.82	2.00	4.10	8.20	16.30	24.60	
ETHYL ACETATE (ACETIC ESTER)	88.11	98	352.9	400.00	0.07		1.80	3.50	7.10	14.10	21.30	
CHLOROFORM	119.38	102	497.6	500.00	0.06	1.00	2.50	5.00	10.00	19.90	30.00	
TETRAHYDROFURAN	72.11	97	285.8	300.00	0.05		1.40	2.90	5.70	11.40	17.20	
1,1,1-TRICHLOROETHANE	133.41	102	556.1	600.00	0.08	1.11	2.80	5.60	11.10	22.20	33.50	
CYCLOHEXANE	84.16	103	354.2	400.00	0.06	0.71	1.80	3.50	7.10	14.20	21.30	
CARBON TETRACHLORIDE	153.80	104	653.7	700.00	0.08	1.31	3.30	6.50	13.10	26.10	39.40	
1,2-DICHLOROETHANE	99.00	103	416.7	400.00	0.06	0.83	2.10	4.20	8.30	16.70	25.10	

CONVERT
FROM TO

Cylinder #AB-100175 (25 cmpds bold)

Cylinder #AB-4561 (43 cmpds)

Analytical Curve 02/03/11

COMPOUND	MOL. WT.	CONC PPBv Spectra Restek	CONC UG/M3	UG/M3 Nominal	UG/M3 MDL	Analytical Curve 02/03/11						(in ppbv)
						SRM Level 0.2	Level 0.5	CCV Level 1	Level 2	Level 4	Level 6	
CONC FACTOR (@25 C)	24.47											
BENZENE	78.10	103	328.7	300.00	0.05	0.66	1.60	3.30	6.60	13.10	19.80	
ISOCTANE (2,2,4-trimethylpentan	114.23	104	485.5	500.00	0.07	0.97	2.40	4.90	9.70	19.40	29.20	
HEPTANE	100.20	105	430.0	400.00	0.06	0.86	2.10	4.30	8.60	17.20	25.90	
TRICHLOROETHENE	131.30	104	558.0	600.00	0.11	1.12	2.80	5.60	11.20	22.30	33.60	
1,2-DICHLOROPROPANE	113.00	103	475.6	500.00	0.07	0.95	2.40	4.80	9.50	19.00	28.70	
1,4-DIOXANE (p-DIOXANE)	88.11	94	338.5	300.00	0.05		1.70	3.40	6.80	13.50	20.40	
BROMODICHLOROMETHANE	163.90	94	629.6	600.00	0.09	1.26	3.10	6.30	12.60	25.20	37.90	
CIS-1,3-DICHLOROPROPENE	111.00	103	467.2	500.00	0.06	0.93	2.30	4.70	9.30	18.70	28.10	
METHYL ISOBUTYL KETONE	100.20	103	421.8	400.00	0.04		2.10	4.20	8.40	16.90	25.40	
TOLUENE	92.15	104	391.6	400.00	0.05	0.78	2.00	3.90	7.80	15.70	23.60	
TRANS-1,3-DICHLOROPROPENE	110.97	109	494.3	500.00	0.07	0.99	2.50	4.90	9.90	19.80	29.80	
1,1,2-TRICHLOROETHANE	133.41	103	561.6	600.00	0.08	1.12	2.80	5.60	11.20	22.50	33.80	
TETRACHLOROETHENE	165.83	104	704.8	700.00	0.10	1.41	3.50	7.00	14.10	28.20	42.50	
METHYL BUTYL KETONE	100.16	102	417.5	400.00	0.02		2.10	4.20	8.40	16.70	25.20	
DIBROMOCHLOROMETHANE	208.30	102	868.3	900.00	0.10	1.74	4.30	8.70	17.40	34.70	52.30	
1,2-DIBROMOETHANE (EDB)	187.90	104	798.6	800.00	0.11	1.60	4.00	8.00	16.00	31.90	48.10	
CHLOROBENZENE	112.56	104	478.4	500.00	0.05	0.96	2.40	4.80	9.60	19.10	28.80	
ETHYLBENZENE	106.17	104	451.2	500.00	0.06	0.90	2.30	4.50	9.00	18.00	27.20	
(M- AND/OR P-)XYLENE	106.17	210	911.1	900.00	0.11	1.82	4.60	9.10	18.20	36.40	54.90	
O-XYLENE	106.17	105	455.6	500.00	0.06	0.91	2.30	4.60	9.10	18.20	27.40	
STYRENE	104.16	104	442.7	400.00	0.05	0.89	2.20	4.40	8.90	17.70	26.70	
BROMOFORM	252.77	103	1064.0	1100.00	0.12	2.13	5.30	10.60	21.30	42.60	64.10	
1,1,2,2-TETRACHLOROETHANE	167.86	104	713.4	700.00	0.10	1.43	3.60	7.10	14.30	28.50	43.00	
4-ETHYLTOLUENE(1-ethyl-4-methy	120.19	210	1031.5	1000.00	0.12	2.06	5.20	10.30	20.60	41.30	62.10	
1,3,5-TRIMETHYLBENZENE	120.19	100	491.2	500.00	0.07	0.98	2.50	4.90	9.80	19.60	29.60	
1,2,4-TRIMETHYLBENZENE	120.19	103	505.9	500.00	0.07	1.01	2.50	5.10	10.10	20.20	30.50	
1,3-DICHLOROBENZENE	147.01	104	624.8	600.00	0.07	1.25	3.10	6.20	12.50	25.00	37.60	
1,4-DICHLOROBENZENE	147.01	105	630.8	600.00	0.09	1.26	3.20	6.30	12.60	25.20	38.00	
BENZYL CHLORIDE	126.59	96	496.6	500.00	0.07	0.99	2.50	5.00	9.90	19.90	29.90	
1,2-DICHLOROBENZENE	147.01	103	618.8	600.00	0.09	1.24	3.10	6.20	12.40	24.80	37.30	
1,2,4-TRICHLOROBENZENE	181.45	99	734.1	700.00	0.07	1.47	3.70	7.30	14.70	29.40	44.20	
HEXACHLOROBUTADIENE	260.76	104	1108.3	1100.00	0.12	2.22	5.50	11.10	22.20	44.30	66.80	

COMPOUND	MOL. WT.	CONVERT		LCS		Cylinder #AB-100279		Cylinder #AB-100180	
		FROM CONC PPBv	TO CONC	UG/M3	UG/M3	Level			
CONC FACTOR (@25 C)	24.47	Spectra Restek		Nominal		1			ICV020311R1 (Can 4155; MFC 4&5; Pos.16)
				True Value	ug/m3	%	Recov	FAIL?	
PROPENE	42.08	105	180.6	200.00	1.80	2.09	116.1%		
FREON 12 (CI2F2METHANE)	120.00	102	500.2	500.00	5.00	5.69	113.8%		
FREON 114 (CI2F4ETHANE)	170.92	100	698.5	700.00	7.00	8.01	114.4%		
CHLOROMETHANE	50.49	98	202.2	200.00	2.00	2.22	111.0%		
VINYL CHLORIDE	62.50	100	255.4	300.00	2.60	2.98	114.6%		
1,3-BUTADIENE	54.09	202	446.5	400.00	4.50	5.05	112.2%		
BROMOMETHANE	94.94	102	395.7	400.00	4.00	4.97	124.3%		
CHLOROETHANE	64.52	103	271.6	300.00	2.70	3.13	115.9%		
VINYL BROMIDE (BROMOETHENE)	106.95	99	432.7	500.00	4.30	4.96	115.3%		
FREON 11 (CI3FMETHANE)	137.38	104	583.9	600.00	5.80	6.73	116.0%		
FREON 113 (CI3F3ETHANE)	187.38	101	773.4	800.00	7.70	8.80	114.3%		
1,1-DICHLOROETHENE	96.95	100	396.2	400.00	4.00	4.58	114.5%		
ACETONE	58.08	97	230.2	200.00	2.30	2.71	117.8%		
ISOPROPANOL	60.10	108	265.3	300.00	2.70	3.57	132.2%	FAIL	
CARBON DISULFIDE	76.14	99	308.0	300.00	3.10	3.43	110.6%		
3-CHLOROPRENE (ALLYL CHLOR)	76.53	187	584.8	600.00	5.80	6.96	120.0%		
METHYLENE CHLORIDE	84.94	101	350.6	400.00	3.50	4.01	114.6%		
ACRYLONITRILE	53.06	93	201.7	200.00	2.00	2.51	125.5%		
METHYL T-BUTYL ETHER	88.15	102	367.4	400.00	3.70	4.74	128.1%		
TRANS-1,2-DICHLOROETHENE	96.94	97	384.3	400.00	3.80	4.29	112.9%		
HEXANE	86.18	97	341.6	300.00	3.40	3.97	116.8%		
1,1-DICHLOROETHANE	98.96	102	412.5	400.00	4.10	4.83	117.8%		
VINYL ACETATE	86.09	99	348.3	300.00	3.50	5.02	143.4%	FAIL	
METHYL ETHYL KETONE	72.10	96	282.9	300.00	2.80	3.64	130.0%		
CIS-1,2-DICHLOROETHENE	96.94	104	412.0	400.00	4.10	4.76	116.1%		
ETHYL ACETATE (ACETIC ESTER)	88.11	96	345.7	300.00	3.50	4.09	116.9%		
CHLOROFORM	119.38	102	497.6	500.00	5.00	5.83	116.6%		
TETRAHYDROFURAN	72.11	96	282.9	300.00	2.80	3.44	122.9%		
1,1,1-TRICHLOROETHANE	133.41	103	561.6	600.00	5.60	6.46	115.4%		
CYCLOHEXANE	84.16	99	340.5	300.00	3.40	3.89	114.4%		
CARBON TETRACHLORIDE	153.80	103	647.4	600.00	6.50	7.48	115.1%		
1,2-DICHLOROETHANE	99.00	103	416.7	400.00	4.20	4.92	117.1%		
BENZENE	78.10	104	331.9	300.00	3.30	3.87	117.3%		
ISOCTANE (2,2,4-trimethylpentar)	114.23	100	466.8	500.00	4.70	5.39	114.7%		
HEPTANE	100.20	100	409.5	400.00	4.10	4.73	115.4%		
TRICHLOROETHENE	131.30	104	558.0	600.00	5.60	6.40	114.3%		
1,2 DICHLOROPROPANE	113.00	103	475.6	500.00	4.80	5.69	118.5%		
1,4-DIOXANE (p-DIOXANE)	88.11	94	338.5	300.00	3.40	4.37	128.5%		
BROMODICHLOROMETHANE	163.90	94	629.6	600.00	6.30	6.82	108.3%		
CIS-1,3-DICHLOROPROPENE	111.00	100	453.6	500.00	4.50	6.35	141.1%	FAIL	

Cylinder #AB-100279

Cylinder #AB-100180

COMPOUND	MOL. WT.	CONVERT		LCS	Level	ICV020311R1	FAIL?
		FROM	TO				
CONC FACTOR (@25 C)	24.47	CONC	CONC	UG/M3	UG/M3	(Can 4155; MFC 4&5; Pos.16)	
		PPBv	UG/M3	Nominal		True Value ug/m3	% Recov
		Spectra	Restek				
METHYL ISOBUTYL KETONE	100.20	106	434.0	400.00	4.30	5.43	126.3%
TOLUENE	92.15	104	391.6	400.00	3.90	4.63	118.7%
TRANS-1,3-DICHLOROPROPENE	110.97	105	476.2	500.00	4.80	7.95	165.6% FAIL
1,1,2-TRICHLOROETHANE	133.41	102	556.1	600.00	5.60	6.47	115.5%
TETRACHLOROETHENE	165.83	105	711.6	700.00	7.10	8.04	113.2%
METHYL BUTYL KETONE	100.16	104	425.7	400.00	4.30	6.69	155.6% FAIL
DIBROMOCHLOROMETHANE	208.30	99	842.7	800.00	8.40	9.26	110.2%
1,2-DIBROMOETHANE (EDB)	187.90	102	783.2	800.00	7.80	11.25	144.2% FAIL
CHLOROBENZENE	112.56	103	473.8	500.00	4.70	5.51	117.2%
ETHYLBENZENE	106.17	103	446.9	400.00	4.50	5.33	118.4%
(M- AND/OR P-)XYLENE	106.17	206	893.8	900.00	8.90	10.63	119.4%
O-XYLENE	106.17	103	446.9	400.00	4.50	5.22	116.0%
STYRENE	104.16	101	429.9	400.00	4.30	5.07	117.9%
BROMOFORM	252.77	101	1043.3	1000.00	10.40	11.48	110.4%
1,1,2,2-TETRACHLOROETHANE	167.86	102	699.7	700.00	7.00	8.59	122.7%
4-ETHYLTOLUENE(1-ethyl-4methy	120.19	208	1021.6	1000.00	10.20	11.28	110.6%
1,3,5-TRIMETHYLBENZENE	120.19	97	476.4	500.00	4.80	4.70	97.9%
1,2,4-TRIMETHYLBENZENE	120.19	99	486.3	500.00	4.90	4.17	85.1%
1,3-DICHLOROBENZENE	147.01	101	606.8	600.00	6.10	6.11	100.2%
1,4-DICHLOROBENZENE	147.01	102	612.8	600.00	6.10	5.73	93.9%
BENZYL CHLORIDE	126.59	97	501.8	500.00	5.00	4.96	99.2%
1,2-DICHLOROBENZENE	147.01	100	600.8	600.00	6.00	6.03	100.5%
1,2,4-TRICHLOROBENZENE	181.45	95	704.4	700.00	7.00	2.35	33.6% FAIL
HEXACHLOROBUTADIENE	260.76	99	1055.0	1100.00	10.50	11.80	112.4%
Dibromofluoromethane	191.83	4.29	33.6				
Toluene D8	100.19	4.29	17.6				
P-Bromofluorobenzene	174.00	4.29	30.5				
Difluorobenzene	114.00	5.10	23.8				
Chlorobenzene-D5	117.00	5.00	23.9				
1,4-Dichlorobenzene-D4	150.00	4.90	30.0				

Method Path : C:\msdchem\1\METHODS\
 Method File : TO15_020311.M
 Title : TO15
 Last Update : Fri Feb 04 05:20:48 2011
 Response Via : Initial Calibration

Calibration Files

0.2 =AS020311L02.D 0.5 =1102004-PS1.D 1 =1102004-BS1.D 2 =AS020311L2.D 4 =AS020311L4.D 6 =AS020311L6.D

Compound	0.2	0.5	1	2	4	6	Avg	%RSD
-----ISTD-----								
1) I IS01 Difluorobenzene								
2) TCMP7001 Propene	4.250	3.919	3.342	2.980	2.913	3.481		16.84
3) TCMP7005 Freon 12 ...	4.693	4.475	4.398	4.048	3.570	3.485	4.112	12.12
4) TCMP7017 Freon 114...	3.602	3.561	3.496	3.231	2.847	2.774	3.252	11.26
5) TCMP7025 Chloromet...		4.035	3.731	3.573	3.239	3.228	3.561	9.61
6) TCMP7035 Vinyl Chl...	3.375	3.316	3.280	3.071	2.816	2.792	3.108	8.27
7) TCMP7018 1,3-Butad...	3.043	3.102	3.100	2.832	2.544	2.468	2.848	9.97
8) TCMP7030 Bromomethane	1.631	1.624	1.605	1.492	1.327	1.317	1.499	9.76
9) TCMP7040 Chloroethane		1.797	1.731	1.609	1.454	1.448	1.608	9.85
10) TCMP7008 Vinyl Bro...	1.935	1.930	1.924	1.786	1.620	1.603	1.800	8.68
11) TCMP7010 Freon 11 ...	3.660	3.677	3.565	3.312	2.965	2.918	3.349	10.22
12) TCMP7011 Freon 113...	2.341	2.305	2.295	2.117	1.883	1.843	2.131	10.40
13) TCMP7050 1,1-Dichl...	3.058	3.047	3.040	2.915	2.631	2.564	2.876	7.74
14) TCMP7051 Acetone		4.359	4.419	3.627	3.775	3.818	4.000	9.08
15) TCMP7024 Isopropanol		3.822	3.728	4.283	4.126	4.438	4.079	7.36
16) TCMP7052 Carbon Di...	7.362	7.289	7.314	6.887	6.219	6.193	6.877	7.95
17) TCMP7026 3-Chlorop...	2.298	2.531	2.558	2.403	2.245	2.241	2.379	5.92
18) TCMP7045 Methylene...	2.447	2.302	2.349	2.168	1.971	1.965	2.201	9.15
19) TCMP7020 Acrylonit...	1.269	1.560	1.723	1.639	1.632	1.697	1.587	10.43
20) TCMP7915 Methyl T-...	4.866	5.409	6.085	5.306	5.247	5.333	5.374	7.38
21) TCMP7060 trans-1,2...	3.056	2.962	3.031	2.840	2.543	2.534	2.828	8.35
22) TCMP7016 Hexane	4.157	4.143	4.153	3.822	3.486	3.472	3.872	8.53
23) TCMP7055 1,1-Dichl...	3.388	3.477	3.611	3.305	3.040	3.047	3.311	6.98
24) TCMP7028 Vinyl Ace...	2.378	2.811	3.319	3.006	3.069	3.187	2.962	11.25
25) TCMP7058 Methyl Et...	0.960	1.150	1.242	1.116	1.157	1.216	1.140	8.72
26) TCMP7056 cis-1,2-D...	2.030	2.152	2.148	2.007	1.837	1.845	2.003	6.93
27) TCMP7029 Ethyl Ace...		0.533	0.634	0.530	0.578	0.599	0.575	7.69
28) TCMP7065 Chloroform	3.059	3.183	3.256	2.994	2.723	2.719	2.989	7.60
29) TCMP7032 Tetrahydr...		2.312	2.571	2.399	2.469	2.513	2.453	4.09
30) S SS17 Dibromofl...						0.000#		-1.00
31) TCMP7075 1,1,1-Tri...	2.896	2.944	2.996	2.823	2.567	2.569	2.799	6.72
32) TCMP7013 Cyclohexane	4.321	4.272	4.413	4.039	3.684	3.695	4.071	7.87
33) TCMP7080 Carbon Te...	2.478	2.498	2.610	2.423	2.220	2.224	2.409	6.51
34) TCMP7070 1,2-Dichl...	2.062	2.175	2.274	2.117	1.970	1.996	2.099	5.45
35) TCMP7105 Benzene	7.740	8.429	8.396	7.665	7.032	7.017	7.713	8.06
36) TCMP7036 Isooctane...	9.249	9.639	9.568	8.769	7.969	7.920	8.852	8.66
37) TCMP7038 Heptane	3.327	3.544	3.490	3.201	2.921	2.920	3.234	8.39
38) TCMP7100 Trichloro...	1.978	2.006	2.048	1.889	1.721	1.739	1.897	7.35
39) TCMP7090 1,2-Dichl...	1.647	1.781	1.865	1.724	1.631	1.658	1.717	5.32

Response Factor Report V 5973val

Method Path : C:\msdchem\1\METHODS\
 Method File : TO15_020311.M

40)	TCMP7043	1,4-Dioxane	1.068	1.138	1.412	1.420	1.557	1.319	15.69		
41)	TCMP7085	Bromodich...	2.482	2.757	2.853	2.665	2.495	2.532	2.631	5.82	
42)	I	IS02 Chlorobenzene-D5	-----ISTD-----								
43)	TCMP7120	cis-1,3-D...	2.063	2.341	2.430	2.263	2.230	2.261	2.265	5.41	
44)	TCMP7086	Methyl Is...	3.151	3.603	3.870	3.823	4.173	3.724		10.18	
45)	S	SS11 Toluene-D8								0.000#	-1.00
46)	TCMP7145	Toluene	0.892	0.934	1.017	0.905	0.848	0.841	0.906	E1	7.15
47)	TCMP7095	trans-1,3...	1.268	1.426	1.597	1.452	1.458	1.503	1.451		7.42
48)	TCMP7115	1,1,2-Tri...	1.996	2.116	2.233	2.005	1.872	1.891	2.019		6.78
49)	TCMP7140	Tetrachlo...	2.579	2.613	2.681	2.436	2.260	2.231	2.467		7.67
50)	TCMP7142	Methyl Bu...	1.964	2.229	2.931	2.994	3.297	2.683			20.91
51)	TCMP7110	Dibromoch...	1.939	2.232	2.456	2.338	2.254	2.260	2.247		7.64
52)	TCMP7720	1,2-Dibro...	1.354	1.486	1.602	1.477	1.415	1.436	1.462		5.73
53)	TCMP7150	Chloroben...	5.578	5.878	6.175	5.609	5.355	5.335	5.655		5.71
54)	TCMP7155	Ethylbenzene	0.888	0.981	1.086	0.980	0.933	0.927	0.966	E1	7.08
55)	TCMP7156	(m- and.o...	6.457	7.438	8.256	7.382	6.950	6.705	7.198		8.93
56)	TCMP7157	o-Xylene	6.701	7.750	8.369	7.655	7.316	7.202	7.499		7.55
57)	TCMP7158	Styrene	3.893	4.836	5.639	5.440	5.399	5.429	5.106		12.78
58)	I	IS03 1,4-Dichlorob...	-----ISTD-----								
59)	TCMP7130	Bromoform	3.710	4.079	4.567	5.049	4.882	4.939	4.538		11.81
60)	S	SS19 p-Bromofl...								0.000#	-1.00
61)	TCMP7135	1,1,2,2-T...	0.896	0.942	1.021	0.934	0.878	0.881	0.925	E1	5.84
62)	TCMP7047	4-Ethylto...	2.512	2.692	3.060	2.761	2.494	2.294	2.636	E1	10.06
63)	TCMP7902	1,3,5-Tri...	2.075	2.195	2.527	2.297	2.231	2.210	2.256	E1	6.70
64)	TCMP7904	1,2,4-Tri...	1.863	2.022	2.243	2.096	2.102	2.090	2.069	E1	6.01
65)	TCMP7195	1,3-Dichl...	1.153	1.218	1.267	1.214	1.157	1.162	1.195	E1	3.82
66)	TCMP7200	1,4-Dichl...	1.056	1.100	1.179	1.161	1.102	1.119	1.119	E1	3.98
67)	TCMP7063	Benzyl Ch...	0.854	0.986	1.199	1.621	1.712	1.774	1.358	E1	29.20
68)	TCMP7205	1,2-Dichl...	4.477	4.711	4.868	4.827	4.530	4.562	4.663		3.51
69)	TCMP7909	1,2,4-Tri...	3.292	3.634	3.788	4.901	4.653	5.024	4.216		17.40
70)	TCMP7910	Hexachlor...	2.273	2.380	2.405	2.580	2.370	2.314	2.387		4.44

(#) = Out of Range

Air Pressurization and Dilution Log

Project # Yellow Bluff (11-0068) E110601
 N₂(g) Lot No. 55-110937 212-7

Sample #	Can #	Date	Initial Pressure (psia)	Final Pressure (psia)	Receiving condition (sealed, etc)	Initials
Method Blank	2771	2-1-11	13.5	30	OK clean lab stock	fw
E110601-01	2776	2-1-11	13.2	30	OK capped, trip blank	fw
E110601-02	3590	2-1-11	13.2	30.8	OK capped	fw
E110601-03	5930	2-1-11	13.0	30	OK capped	fw
E110601-04	2783	2-1-11	13.0	30	OK capped	fw
E110601-05	5928	2-1-11	13.3	30	OK capped	fw
E110601-06	6681	2-1-11	12.8	30	OK capped	fw
E110601-07	3928	2-1-11	12.8	30	OK capped	fw
E110601-08	2415	2-1-11	13.0	30	OK capped	fw
E110601-09	2779	2-1-11	13.1	30	OK capped	fw
E110601-10	2772	2-1-11	14.5	30	OK capped	fw

Dilutions Worksheet

Sample #	Original Can #	Date	Dilution Factor ¹	Scale Reading	Amount Added ²	Final Scale Reading	Final Pressure (psia)	New Can #	Initials

¹ Based on a scale reading of 1500mmHg (30psia) gauge.

² Fraction of pressure (mmHg) of the scale to make the dilution

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020311\
Data File : 1102004-BLK3.D
Acq On : 4 Feb 2011 1:56 am
Operator : FW
Sample : 1102004-BLK3
Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 06:07:44 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Fri Feb 04 06:07:41 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

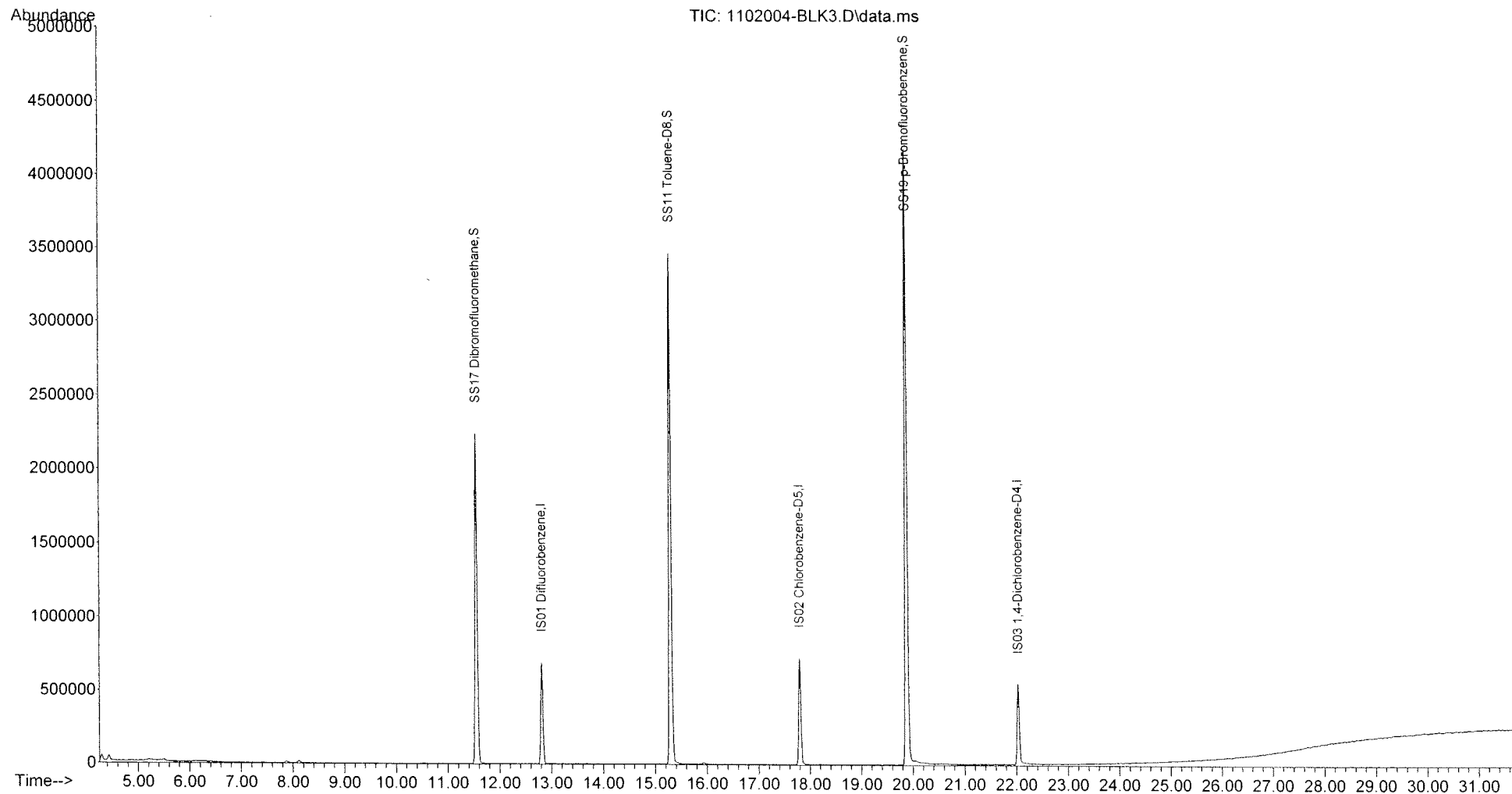
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	963098	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	774480	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	293161	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2233856	100.00	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3850054	100.00	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2218815	100.00	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020311\
Data File : 1102004-BLK3.D
Acq On : 4 Feb 2011 1:56 am
Operator : FW
Sample : 1102004-BLK3
Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 06:07:44 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Fri Feb 04 06:07:41 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-01.D
Acq On : 4 Feb 2011 3:34 am
Operator : FW
Sample : E110601-01
Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 06:09:03 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Fri Feb 04 06:07:41 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.814	114	943559	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	764127	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	298301	30.00	UG/M3	0.00

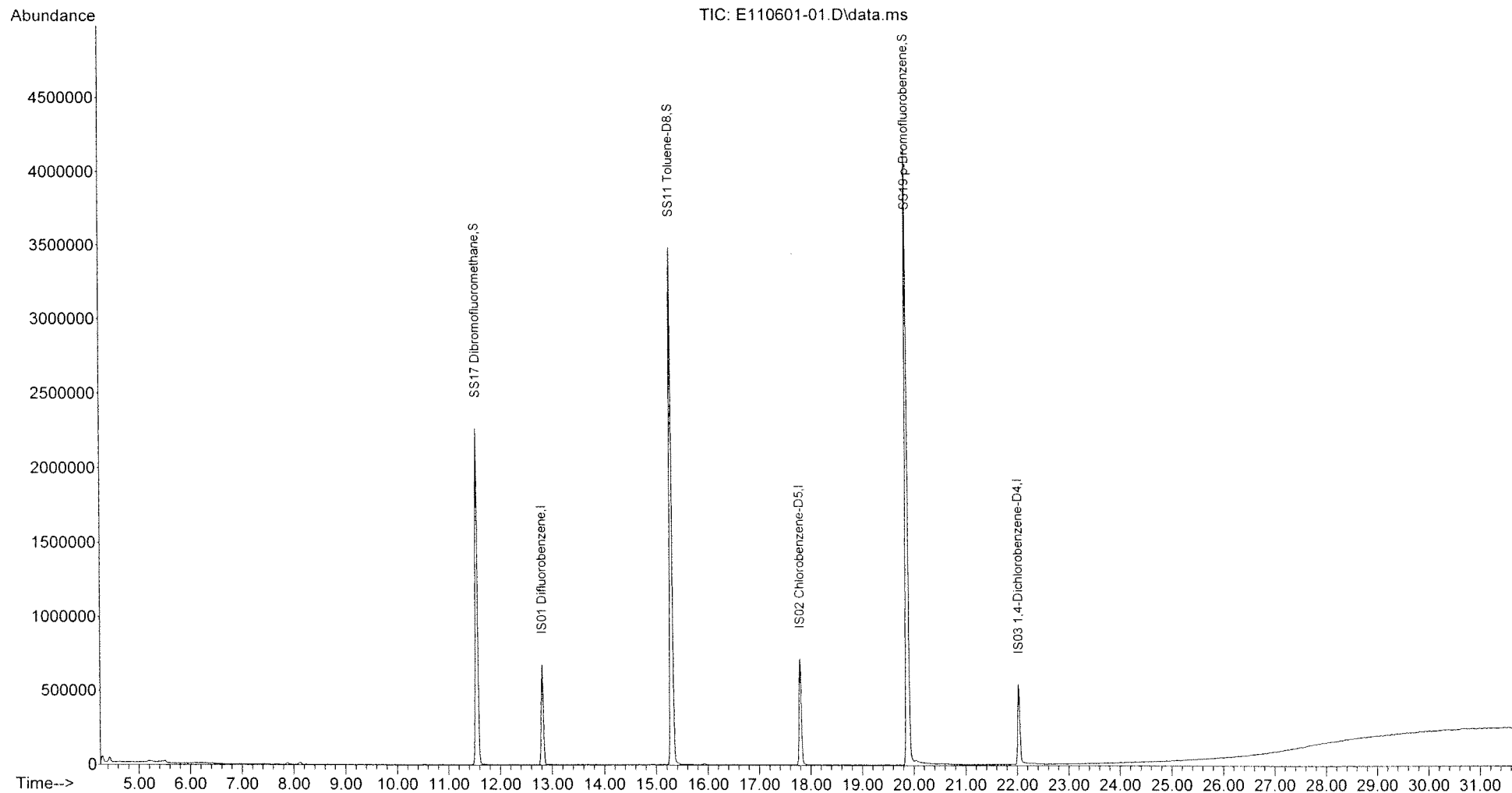
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2253798	102.98	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3878746	102.11	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2217831	98.23	% Rec	0.00

Target Compounds	Qvalue					

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-01.D
Acq On : 4 Feb 2011 3:34 am
Operator : FW
Sample : E110601-01
Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 06:09:03 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Fri Feb 04 06:07:41 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03 *50 cc fw 2-4-11*
 Misc : can5930, ~~500cc~~, ip=13.0, fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 06:10:56 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 06:07:41 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	973130	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	762583	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	285840	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.553	111	211501	9.37	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	340471	8.98	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	183706	8.49	% Rec	0.00

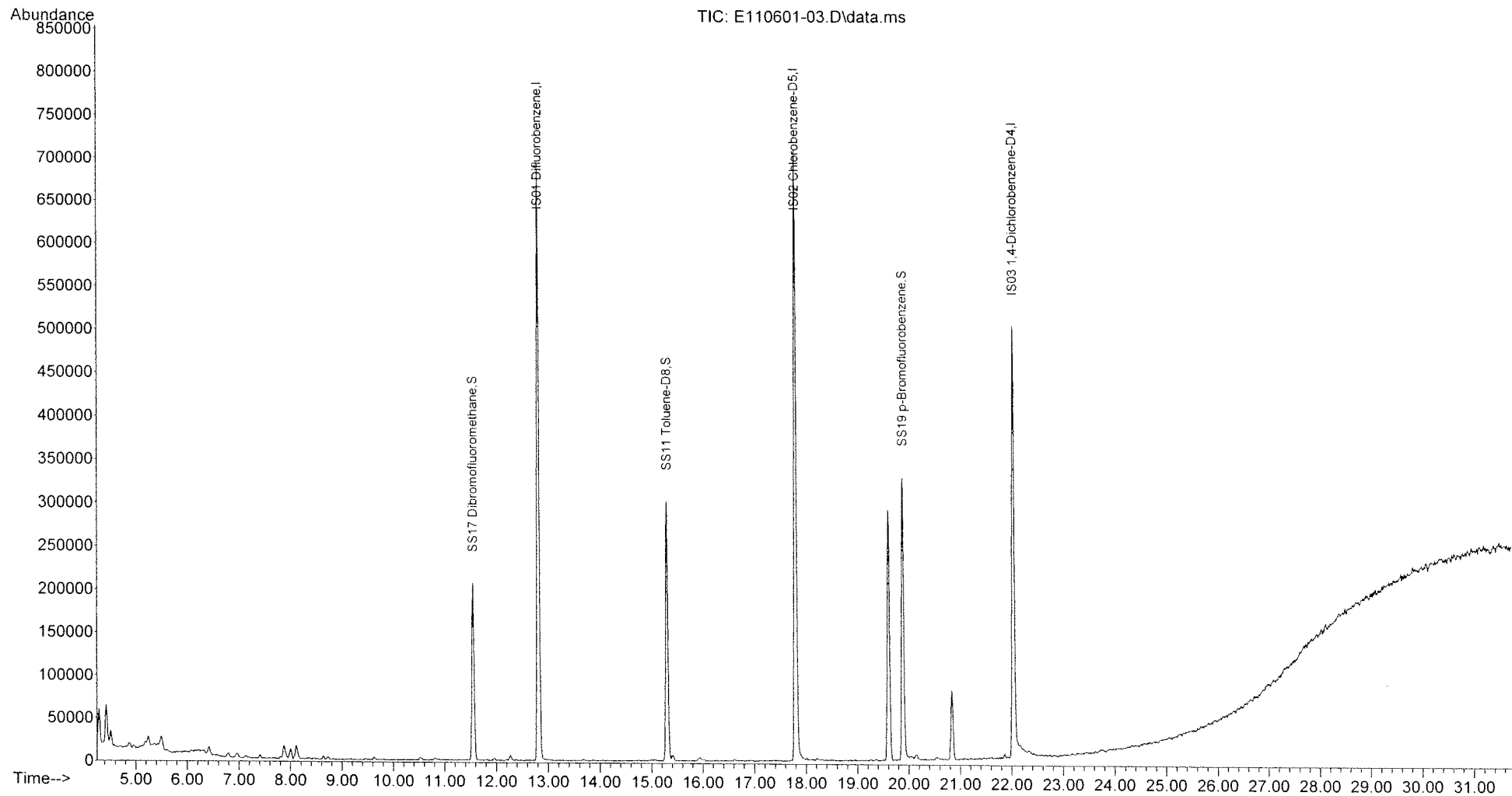
500 = 93.7
x 50 = 89.8
= 84.9

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03
 Misc : can5930,500cc,ip=13.0,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 06:10:56 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 06:07:41 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-04.D
 Acq On : 4 Feb 2011 5:10 am
 Operator : FW
 Sample : E110601-04 *50cc Au 2-4-11*
 Misc : can2783, ~~500cc~~, ip=13.0, fp=30
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 06:12:20 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 06:07:41 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.814	114	956280	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	756193	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	273040	30.00	UG/M3	0.00

System Monitoring Compounds

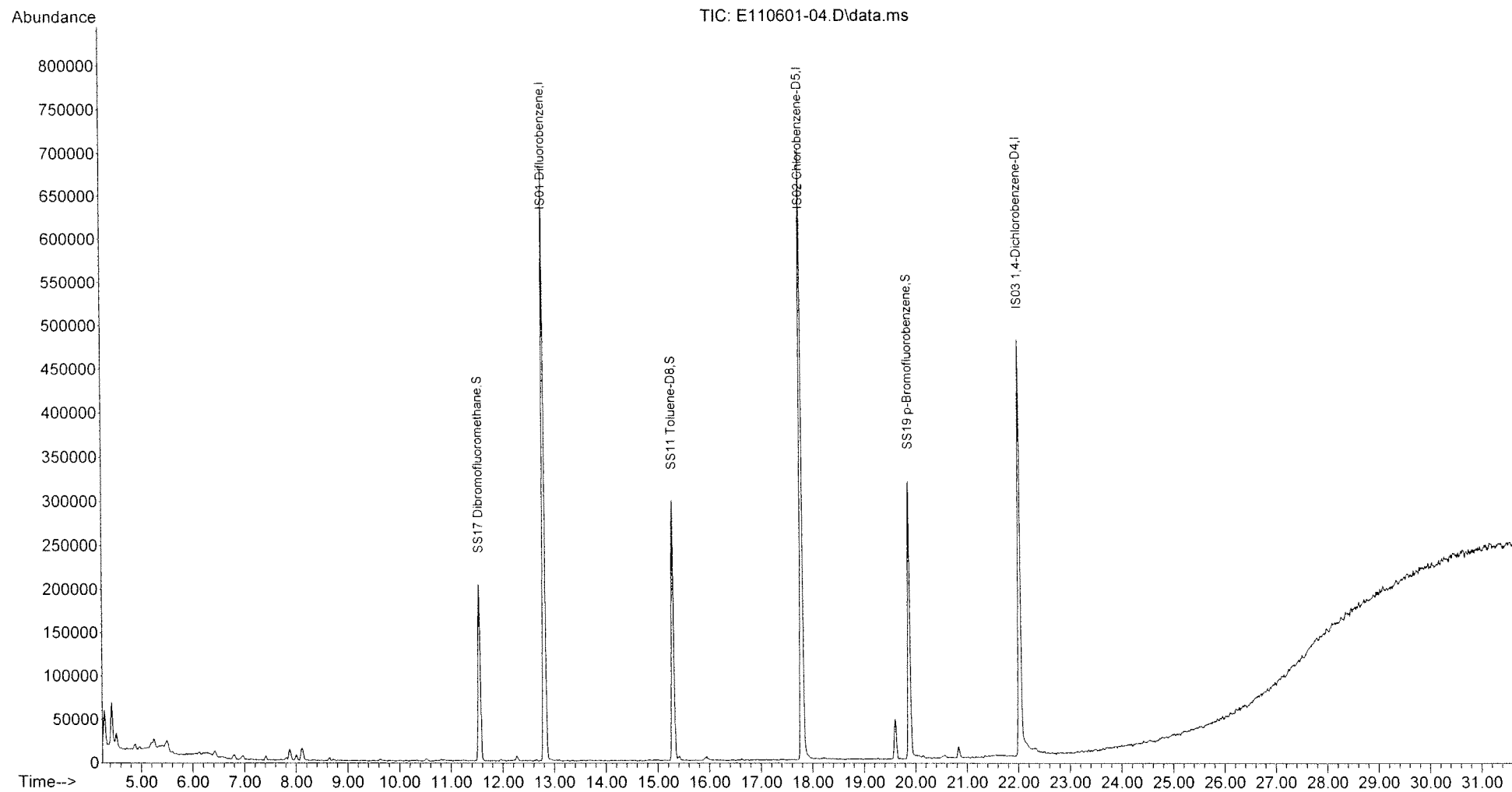
2) SS17 Dibromofluoromethane	11.554	111	205212	9.25	% Rec	0.00	<i>500 = 92.5</i>
4) SS11 Toluene-D8	15.298	98	336874	8.96	% Rec	0.00	<i>x 50 = 89.6</i>
6) SS19 p-Bromofluorobenzene	19.886	174	173648	8.40	% Rec	0.00	<i>= 84.0</i>

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-04.D
 Acq On : 4 Feb 2011 5:10 am
 Operator : FW
 Sample : E110601-04
 Misc : can2783,500cc,ip=13.0,fp=30
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 06:12:20 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 06:07:41 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-05.D
 Acq On : 4 Feb 2011 5:58 am
 Operator : FW
 Sample : E110601-05 *500 for 2-4-11*
 Misc : can5928, ~~500cc~~, ip=13.3, fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 06:38:30 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 06:07:41 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.814	114	957143	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	758859	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	282977	30.00	UG/M3	0.00

System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	203646	9.17	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	328719	8.71	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	166916	7.79	% Rec	0.00

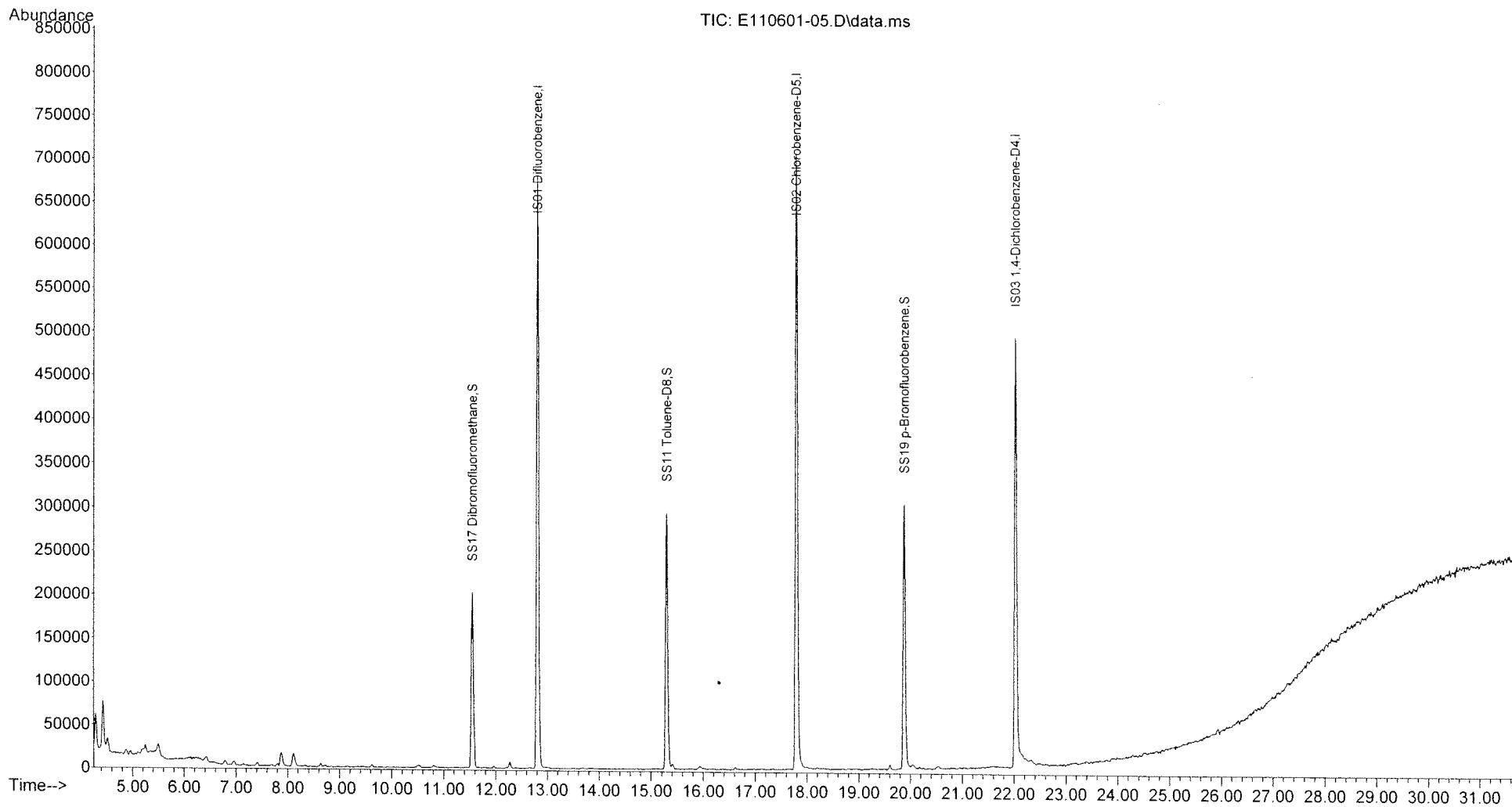
500 = 91.7
x 50 = 87.1
= 77.9

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-05.D
 Acq On : 4 Feb 2011 5:58 am
 Operator : FW
 Sample : E110601-05
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 06:38:30 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 06:07:41 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 04 10:32:02 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:29 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	966639	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	776068	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	308132	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.553	111	2165168	96.57	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3755563	97.35	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2144051	91.94	% Rec	0.00

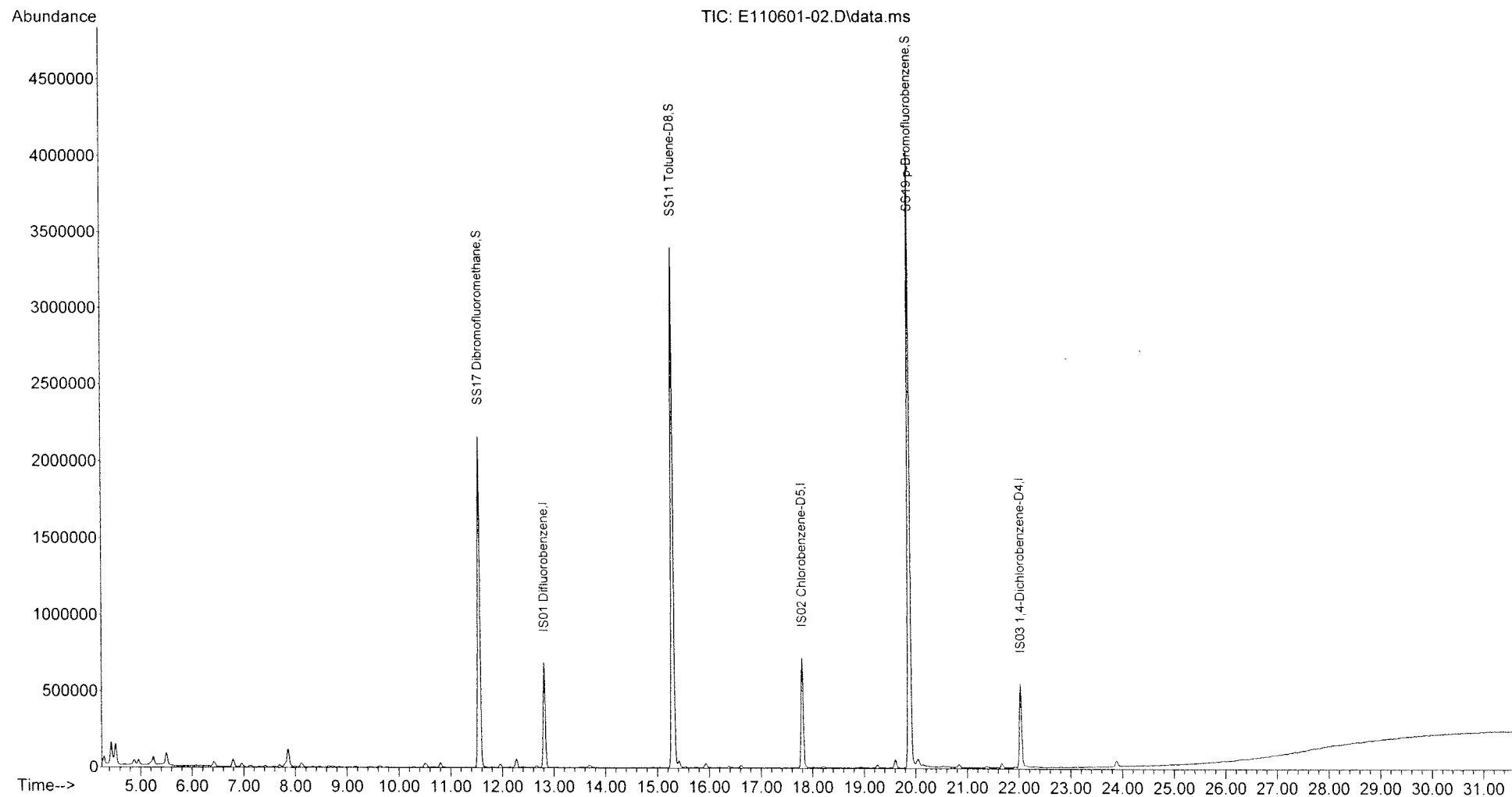
$30.8 \times \frac{30}{30} = 98.1$
 $30.8 \times \frac{30}{30} = 99.9$
 $30.8 \times \frac{30}{30} = 94.4$

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 04 10:32:02 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:29 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
 Operator : FW
 Sample : E110601-06
 Misc : can6681,500cc,ip=12.8,fp=30
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 04 11:23:12 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:29 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

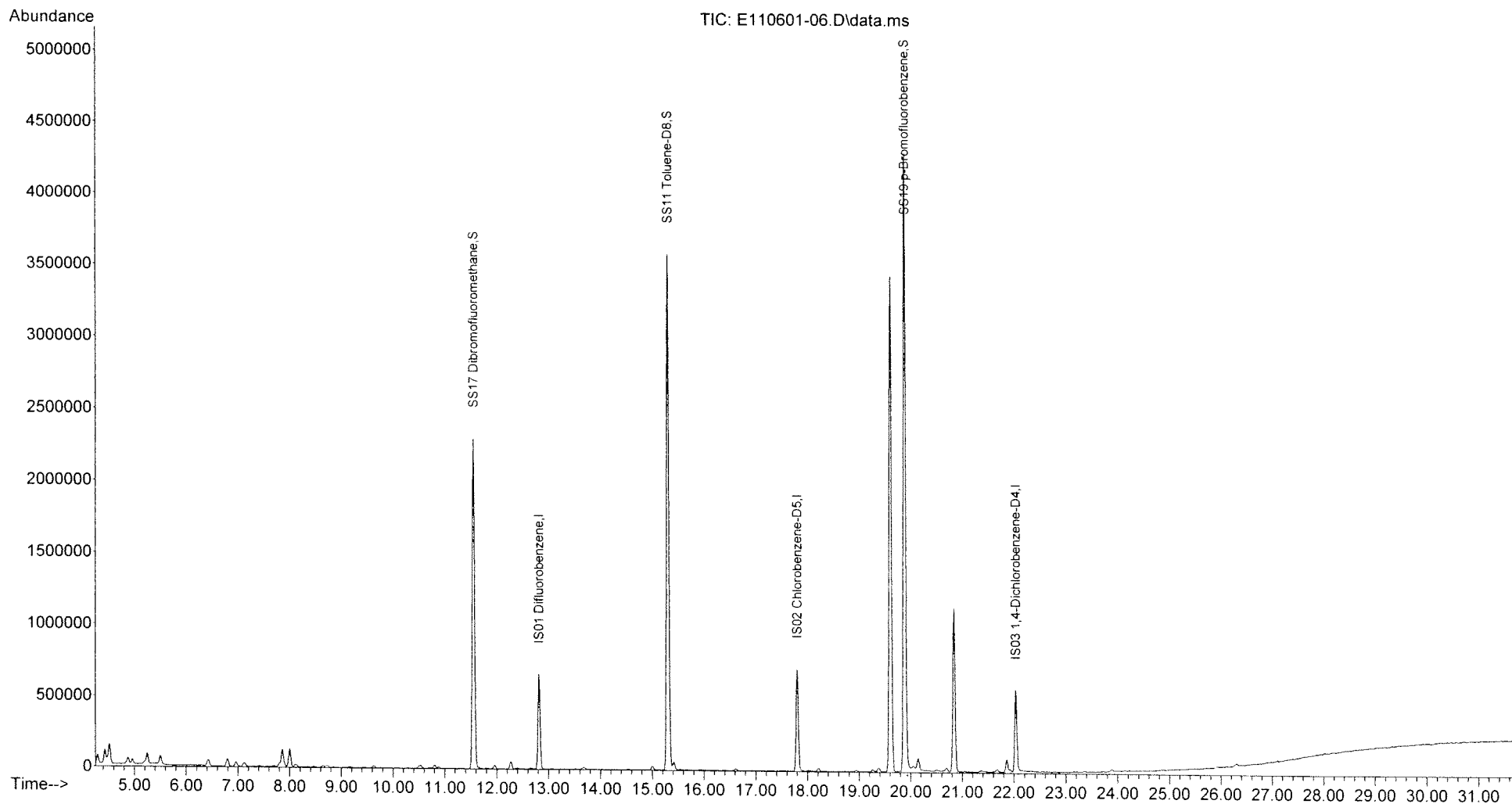
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	939399	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.799	117	763267	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	310656	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.553	111	2302161	105.66	% Rec	0.00
4) SS11 Toluene-D8	15.303	98	3994833	105.28	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2299329	97.79	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
 Operator : FW
 Sample : E110601-06
 Misc : can6681,500cc,ip=12.8,fp=30
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 04 11:23:12 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:29 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973va1
Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-07.D
Acq On : 4 Feb 2011 11:42 am
Operator : FW
Sample : E110601-07
Misc : can3928,500cc,ip=12.8,fp=30
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 04 12:39:18 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Fri Feb 04 09:15:29 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

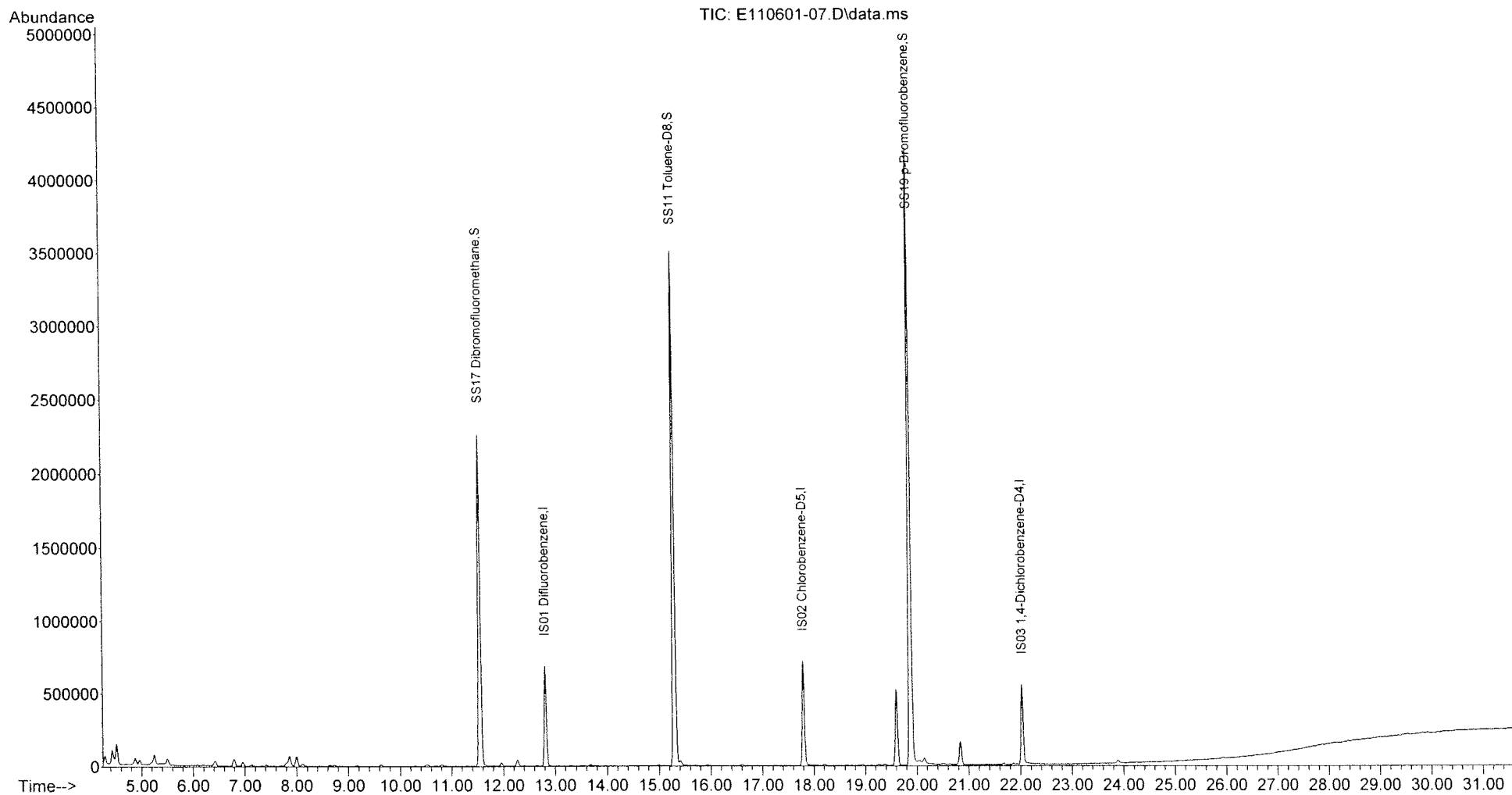
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	960818	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	760449	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	300302	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.553	111	2278517	102.24	% Rec	0.00
4) SS11 Toluene-D8	15.297	98	3910173	103.44	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2233792	98.28	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 04 12:39:18 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:29 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-08.D
Acq On : 4 Feb 2011 12:31 pm
Operator : FW
Sample : E110601-08
Misc : can2415,500cc,ip=13,fp=30
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 07 09:20:28 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Fri Feb 04 09:15:28 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

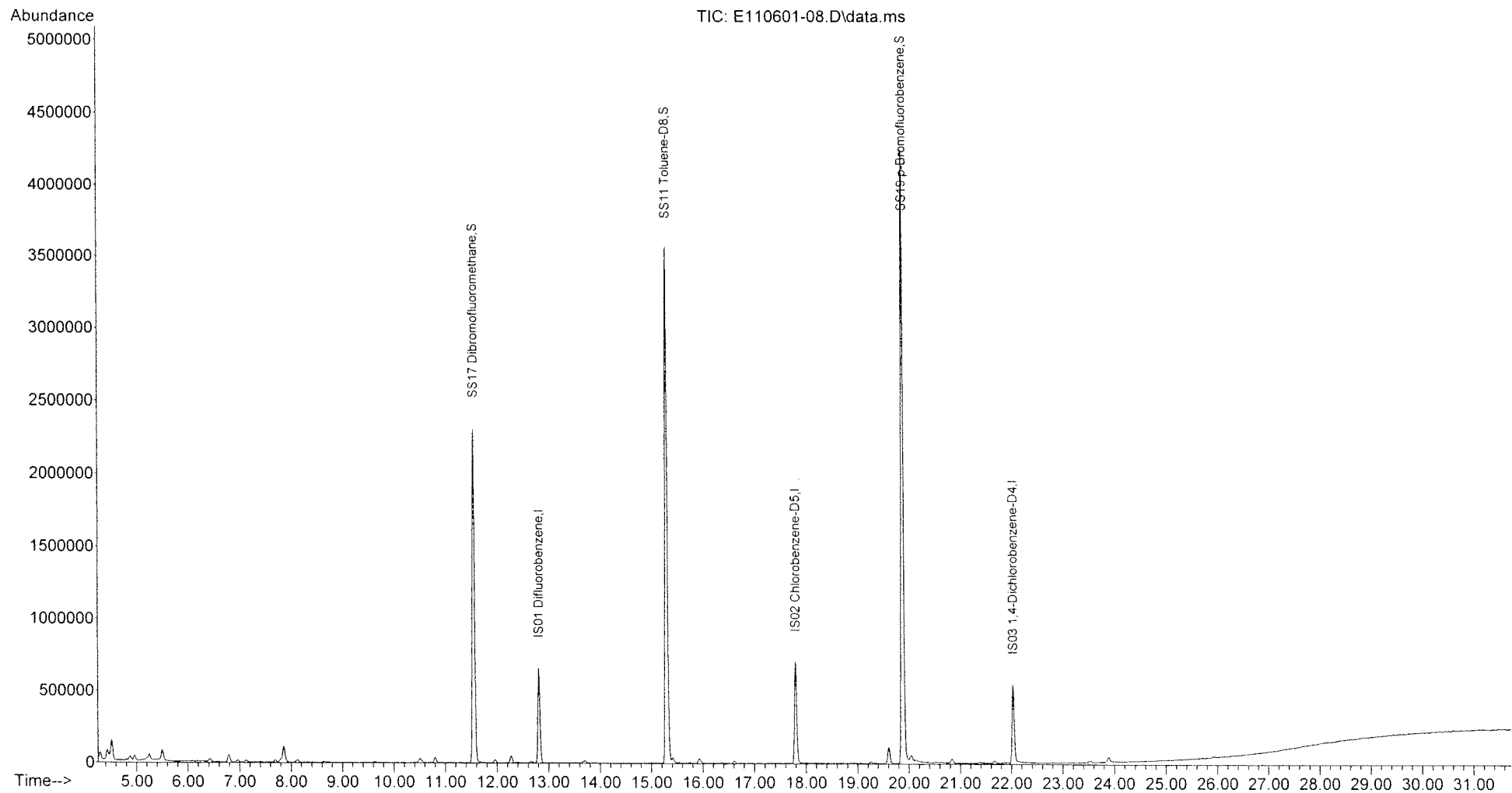
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	922414	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	755408	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	308326	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2299632	107.48	% Rec	0.00
4) SS11 Toluene-D8	15.298	98	3984271	106.10	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2279057	97.66	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-08.D
 Acq On : 4 Feb 2011 12:31 pm
 Operator : FW
 Sample : E110601-08
 Misc : can2415,500cc,ip=13,fp=30
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 07 09:20:28 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:28 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 07 09:20:33 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:28 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

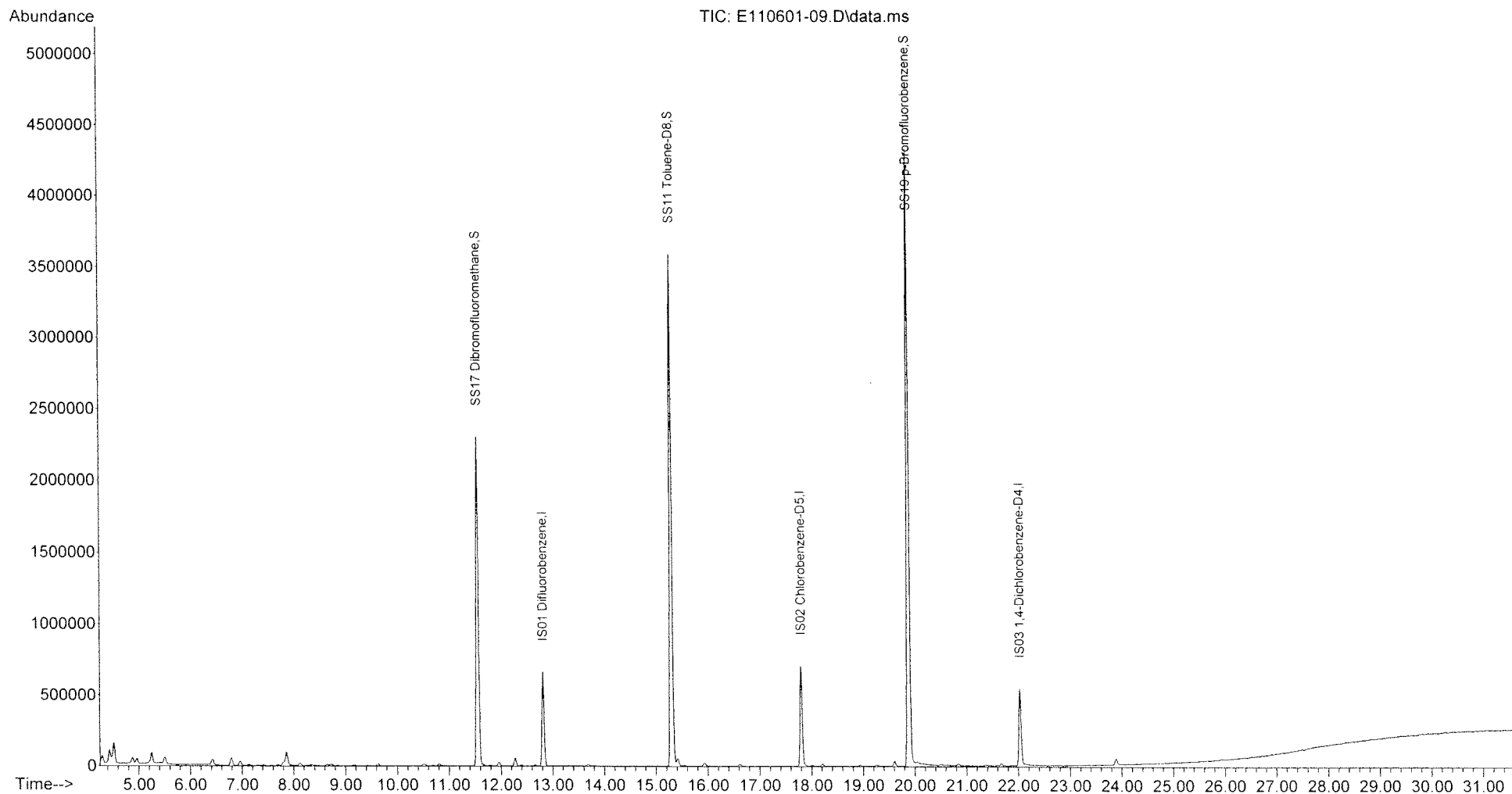
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	938359	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	755296	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	296933	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2317192	106.47	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	4007027	106.72	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2306193	102.62	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 07 09:20:33 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:28 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-10.D
 Acq On : 4 Feb 2011 2:09 pm
 Operator : FW
 Sample : E110601-10
 Misc : can2772,500cc,ip=14.5,fp=30
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 07 09:20:38 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:28 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D

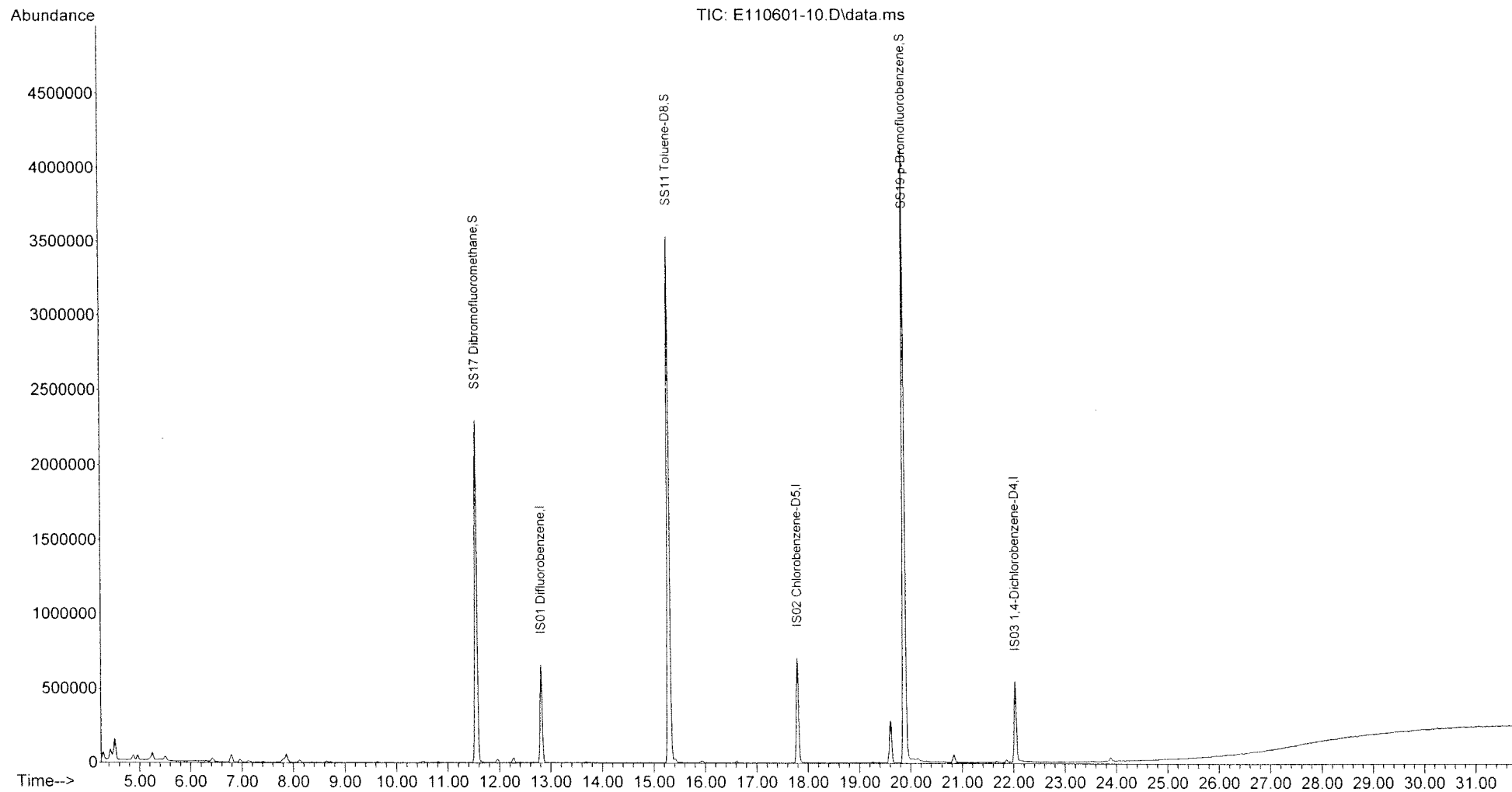
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	934607	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	754735	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	306609	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.553	111	2289711	105.63	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3932137	104.80	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2200870	94.84	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-10.D
 Acq On : 4 Feb 2011 2:09 pm
 Operator : FW
 Sample : E110601-10
 Misc : can2772,500cc,ip=14.5,fp=30
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 07 09:20:38 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 09:15:28 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020311\1102004-BLK3.D



GC/MS AIR VOA ANALYSIS

BOOK/PAGE VAI-005 / 36

DATE 2-3-11

ANALYST fw

TRANSFERRED 2-4-11

BATCH 1102004

PROJECT(S) ICAL ABC Cleaners (11-0150) E110303

& Screens of Yellow Bluff (11-0068) E110601

METHOD#: EPA TO-15 IS Vol: 100cc EMV: 1588 V INSTRUMENT: X V5973VA1 Entech

COLUMN: J&W Scientific DB-624 Other (Specify)

Meters: 60 ID: 0.32 mm FT: 1.8 um Carrier: 1.0 mL/min

Init. Temp.(°C)/Hold (min) 40 / 4.00 Rate 8 °C/min Final Temp.(°C)/Hold (min) 230/4.00

Post Run(°C) 95 Time(min) 10.00

SS#1 Br₂FCH SS#2 D₈Toluene SS#3 pBFB Bakeout @ 200°C 90 minutes

SLOT#	TIME	SS#1	SS#2	SS#3	FILE NAME	VOL CC	COMMENTS	CAN #	INT. STD. AREA
77	15:09	-	-	-	BFB020311R1	250	not spics 0121314	4349	RT= 19.88 Area= 5.64x10 ⁶
77	16:09	-	-	-	LB020311R1	500	lab blank ↓	↓	990, 800, 311
44	16:57	-	-	-	AS020311L02	100	0.2 ppbv 0121307	4017	967, 755, 281
44	17:45	-	-	-	1102004-PS1	250	0.5 ppbv ↓	↓	988, 790, 314
44	18:34	-	-	-	1102004-BS1	500	1.0 ppbv ↓	↓	(600, 478, 198) 1000, 798, 330
88	19:22	-	-	-	AS020311L2	250	2.0 ppbv 0121308	4016	974, 796, 341
88	20:11	-	-	-	AS020311L4	500	4.0 ppbv ↓	↓	1006, 813, 359
88	21:02	-	-	-	AS020311L6	750	6.0 ppbv ↓	↓	986, 810, 361
77	21:51	-	-	-	LB020311R2	500	lab blank 0121314	4349	968, 775, 299
16	22:40	-	-	-	ICV020311R	500	1.0 ppbv 1013101	4155	967, 792, 328
77	23:29	-	-	-	LB020311R3	500	lab blank 0121314	4349	972, 775, 291
24-11 2	00:18	100	100	100	1102004-BLK1	500	ABC method blank FP=30 prep 011311	2768	951, 766, 303
3	01:07	100	100	100	1102004-BLK2	500	5x ABC method blank FP=30 prep 011811	4014	957, 769, 300
4	01:56	100	100	100	1102004-BLK3	500	Yellow Bluff method blank FP=30 prep 020111	2771	963, 772, 293
5	02:45	100	100	101	E110303-01	500	ABC trip blank IP=13.2 FP=30	2774	953, 766, 299
6	03:34	103	102	98	E110601-01	500	Yellow Bluff trip blank IP=13.2 FP=30	2776	939, 762, 294
8	04:22	94	90	85	E110601-03	50	10x can A IP=13.0 FP=30	5930	973, 760, 284
9	05:10	92	90	84	E110601-04	60	10x can A IP=13.0 FP=30	2783	955, 754, 267
10	05:58	92	87	78	E110601-05	50	10x can A IP=13.3 FP=30	5928	957, 756, 276
1	06:46	88	81	76	E110303-02	75	100x can A IP=15.1 FP=30	4547	958, 762, 284
1	07:36	100	99	97	E110303-02RE1	500	15x can A ↓	↓	953, 775, 304
1	08:25	102	99	99	1102004-DUP1	500	dup of E110303-02RE1 IP=15.1 FP=30	↓	935, 765, 298

US-EPA, Region 4, SEDS
Internal Chain of Custody
All Departments and All Users

E110601

Client: Air Quality Management
Project: Yellow Bluff Air Study - MCROWE
Number: 11-0068

Received: 01/31/11 13:52:00
Received By: Barden, Herbert
Temp (°C):

Printed: 2/3/2011 8:29:30AM

E110601-01 (YBVOCTB1) Sampled 01/27/11 08:00:00

E110601-01 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-02 (YBAV01) Sampled 01/24/11 14:50:00

E110601-02 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-03 (YBAV02) Sampled 01/25/11 16:10:00

E110601-03 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-04 (YBAV03) Sampled 01/26/11 15:50:00

E110601-04 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-05 (YBAV91) Sampled 01/24/11 14:50:00

E110601-05 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-06 (YBAV92) Sampled 01/25/11 16:11:00

E110601-06 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-07 (YBAV93) Sampled 01/26/11 15:50:00

E110601-07 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-08 (YBBV01) Sampled 01/24/11 11:16:00

E110601-08 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

E110601-09 (YBBV02) Sampled 01/25/11 11:01:00

E110601-09 A [Passivated Air Canister] Home Locaton: D-107 VOA Air Samples
Out Location: Out At: In At:
D-107 VOA Air Samples 02/01/11 07:54:31 by FW(OCS VOA) 02/01/11 09:01:52 by FW

US-EPA, Region 4, SESD
Internal Chain of Custody
All Departments and All Users

E110601

Client: Air Quality Management
Project: Yellow Bluff Air Study - MCROWE
Number: 11-0068

Received: 01/31/11 13:52:00
Received By: Barden, Herbert
Temp (°C):

Printed: 2/3/2011 8:29:30AM

E110601-10 (YBBV03) Sampled 01/26/11 10:57:00

E110601-10 A [Passivated Air Canister]

Home Locaton: D-107 VOA Air Samples

Out Location:

Out At:

In At:

D-107 VOA Air Samples

02/01/11 07:54:31 by FW(OCS VOA)

02/01/11 09:01:52 by FW

PREPARATION BENCH SHEET

1102004

US-EPA, Region 4, SESD

Matrix: Air

Prepared using: OCS VOA - V TO-15 Air Canister

Printed: 2/4/2011 8:00:22AM

Lab Number	Prepared	Initial (psia)	Final (psia)	Spike ID	Source ID	ul Spike	ul Surrogate	Comments
1102004-BLK1	02/01/11 13:47	14.5	30				500	ABC Cleaners method blank prep 01
1102004-BLK2	02/01/11 13:47	30	30				500	15x ABC Cleaners meth blk prep 011
1102004-BLK3	02/01/11 13:47	13.5	30				500	Yellow Bluff method blank prep 020
1102004-BS1	02/01/11 13:47	30	30	0121310		500	500	
1102004-DUP1	02/01/11 13:47	15.1	30		E110303-02RE1		500	
1102004-PS1	02/01/11 13:47	30	30	0121311		250	500	
E110303-01 v VOA TICS-2	02/01/11 13:47 v VOA Scan-2	13.2	30	Superfund Remedial			500	from F2L from F2L
E110303-02 v VOA Scan-2	02/01/11 13:47 v VOA TICS-2	15.1	30	Superfund Remedial			500	100x can A from F2L
E110303-02RE1 v VOA Scan-2	02/01/11 13:47 v VOA TICS-2	15.1	30	Superfund Remedial			500	15x can A Added 2/2/2011 by FW
E110601-01 v VOA Scan-2	02/01/11 13:47 v VOA TICS-2	13.2	30	Air Quality Management			500	from F2L from F2L
E110601-02 v VOA Scan-2	02/01/11 13:47 v VOA TICS-2	13.2	30.8	Air Quality Management			500	from F2L from F2L
E110601-03 v VOA Scan-2	02/01/11 13:47 v VOA TICS-2	13	30	Air Quality Management			500	from F2L from F2L
E110601-03RE1 v VOA TICS-2	02/01/11 13:47 v VOA Scan-2	13	30	Air Quality Management			500	Added 2/4/2011 by FW Added 2/4/2011 by FW
E110601-04 v VOA TICS-2	02/01/11 13:47 v VOA Scan-2	13	30	Air Quality Management			500	from F2L from F2L
E110601-04RE1 v VOA Scan-2	02/01/11 13:47 v VOA TICS-2	13	30	Air Quality Management			500	Added 2/4/2011 by FW Added 2/4/2011 by FW
E110601-05 v VOA TICS-2	02/01/11 13:47 v VOA Scan-2	13.3	30	Air Quality Management			500	from F2L from F2L

Spiking Witnessed By _____ Date _____

Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____

PREPARATION BENCH SHEET

1102004

US-EPA, Region 4, SESD

Matrix: Air

Prepared using: OCS VOA - V TO-15 Air Canister

Printed: 2/4/2011 8:00:22AM

Lab Number	Prepared	Initial (psia)	Final (psia)	Spike ID	Source ID	ul Spike	ul Surrogate	Comments
E110601-05RE1 <i>v VOA Scan-2</i>	02/01/11 13:47 <i>v VOA TICS-2</i>	13.3	30	Air Quality Management			500	Added 2/4/2011 by FW Added 2/4/2011 by FW
E110601-06 <i>v VOA TICS-2</i>	02/01/11 13:47 <i>v VOA Scan-2</i>	12.8	30	Air Quality Management			500	from F2L from F2L
E110601-07 <i>v VOA Scan-2</i>	02/01/11 13:47 <i>v VOA TICS-2</i>	12.8	30	Air Quality Management			500	from F2L from F2L
E110601-08 <i>v VOA Scan-2</i>	02/01/11 13:47 <i>v VOA TICS-2</i>	13	30	Air Quality Management			500	from F2L from F2L
E110601-09 <i>v VOA Scan-2</i>	02/01/11 13:47 <i>v VOA TICS-2</i>	13.1	30	Air Quality Management			500	from F2L from F2L
E110601-10 <i>v VOA Scan-2</i>	02/01/11 13:47 <i>v VOA TICS-2</i>	14.5	30	Air Quality Management			500	from F2L from F2L

From 1101006 on 2/1/11 by FW

Spiking Witnessed By _____ Date _____

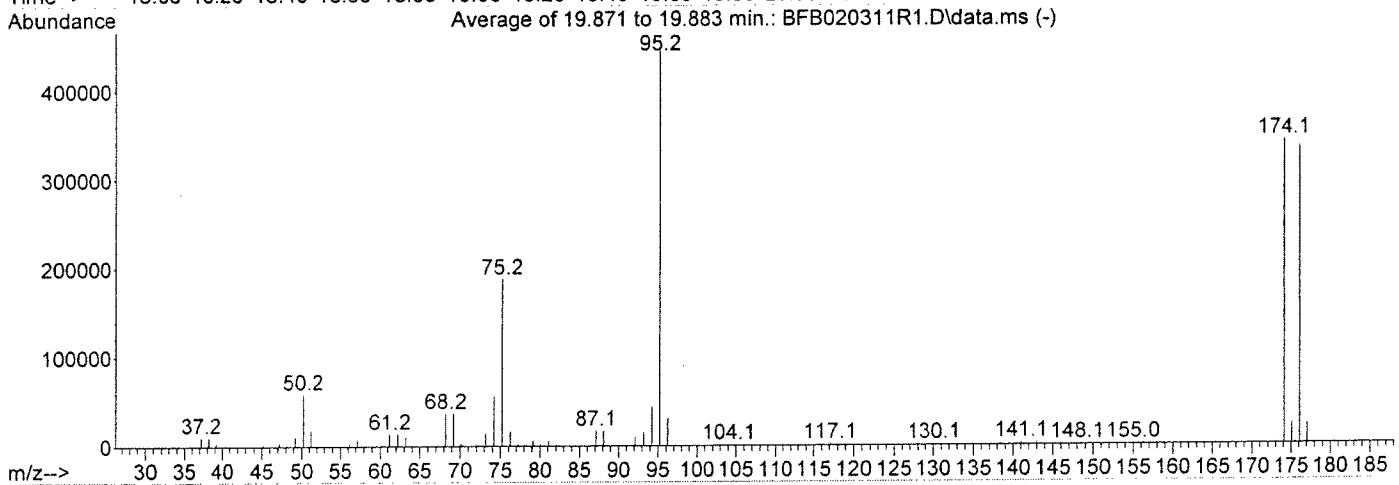
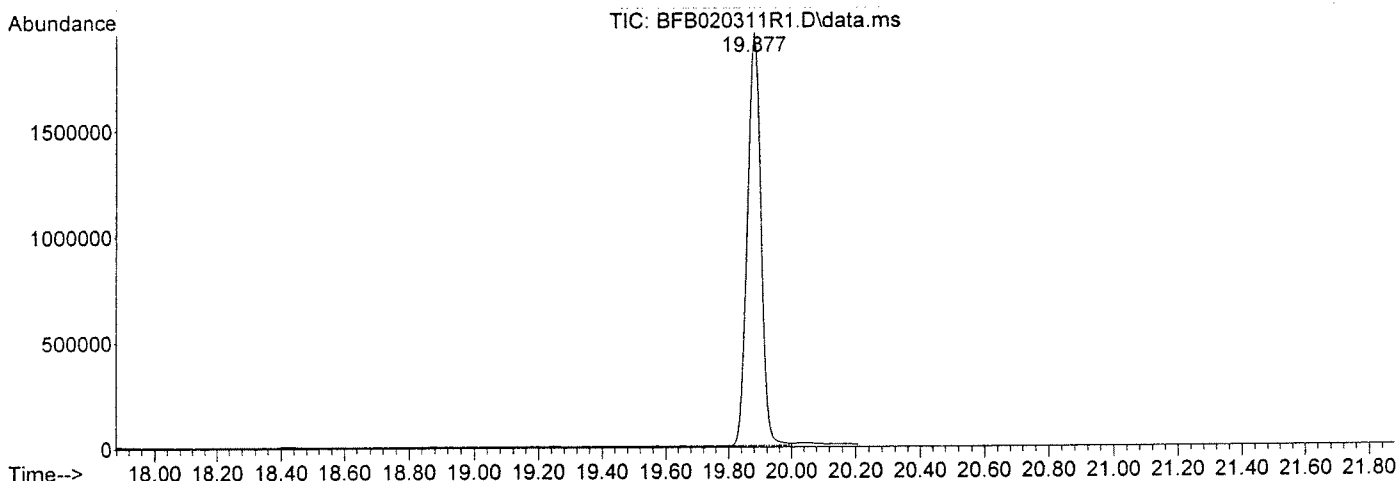
Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____

Data Path : C:\MSDCHEM\1\DATA\020311\Snapshot\
 Data File : BFB020311R1.D
 Acq On : 3 Feb 2011 3:09 pm
 Operator : FW
 Sample : BFB020311R1
 Misc : can4349/250cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\TO15_012411.M
 Title : TO15
 Last Update : Mon Jan 24 16:42:06 2011



AutoFind: Scans 2530, 2531, 2532; Background Corrected with Scan 2518

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.3	59024	PASS
75	95	30	66	42.3	188053	PASS
95	95	100	100	100.0	444651	PASS
96	95	5	9	6.9	30461	PASS
173	174	0.00	2	0.5	1624	PASS
174	95	50	120	76.9	341995	PASS
175	174	4	9	6.9	23533	PASS
176	174	93	101	98.1	335659	PASS
177	176	5	9	6.5	21971	PASS

OK

verage of 19.871 to 19.883 min.: BFB020311R1.D\data.ms

FB020311R1

odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	1703	51.20	18747	68.20	36880	80.10	2526
37.20	10358	52.15	840	69.20	36736	81.10	6172
38.20	10063	55.20	309	70.15	3026	82.10	1759
39.20	4348	56.20	3953	72.10	1533	87.10	17184
40.10	134	57.20	8192	73.20	14390	88.10	16971
44.20	1145	60.20	2604	74.20	56589	91.10	1080
45.20	2458	61.20	13861	75.20	188053	92.15	9565
47.20	4043	62.20	14334	76.20	16500	93.20	15490
48.15	1639	63.20	10807	77.20	2352	94.20	43493
49.20	11057	64.20	967	78.10	1892	95.20	444651
50.20	59024	67.20	999	79.10	5814	96.20	30461

verage of 19.871 to 19.883 min.: BFB020311R1.D\data.ms

FB020311R1

odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.15	946	135.10	692	177.10	21971		
104.10	1291	141.05	2837	178.05	559		
106.05	1154	143.00	2788				
116.10	830	146.00	550				
117.10	1972	148.05	874				
118.05	1247	155.00	996				
119.05	1687	157.10	765				
128.05	1259	173.00	1624				
129.10	617	174.10	341995				
130.05	1365	175.10	23533				
131.10	541	176.10	335659				

TC: BFB020311R1.D\data.ms
BFB020311R1

Peak #	Ret Time	Type	width	Area	Start Time	End Time
1	11.545	rbv	0.159	3264495	11.465	11.624
2	15.295	rbv	0.177	4876815	15.215	15.393
3	19.877	rbv	0.196	5645713	19.803	19.999

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R1.D
 Acq On : 3 Feb 2011 4:09 pm
 Operator : FW
 Sample : LB020311R1
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 03 16:37:01 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_012411.M
 Quant Title : TO15
 QLast Update : Mon Jan 24 16:42:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.814	114	990233	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	800095	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	311768	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.427	41	27800	0.16	UG/M3		86
3) 7005 Freon 12 (CL2F2Me...	4.512	85	3603	0.02	UG/M3#		49
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.			
5) 7025 Chloromethane	0.000		0	N.D.			
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	0.000		0	N.D.			
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.			
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.859	43	69621	0.36	UG/M3		94
15) 7024 Isopropanol	8.097	45	34011	0.19	UG/M3		80
16) 7052 Carbon Disulfide	0.000		0	N.D.			
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	0.000		0	N.D.			
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	0.000		0	N.D.			
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.			
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	0.000		0	N.D.			
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	0.000		0	N.D.			
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	0.000		0	N.D.			
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.			
37) 7038 Heptane	0.000		0	N.D.			
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R1.D
 Acq On : 3 Feb 2011 4:09 pm
 Operator : FW
 Sample : LB020311R1
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

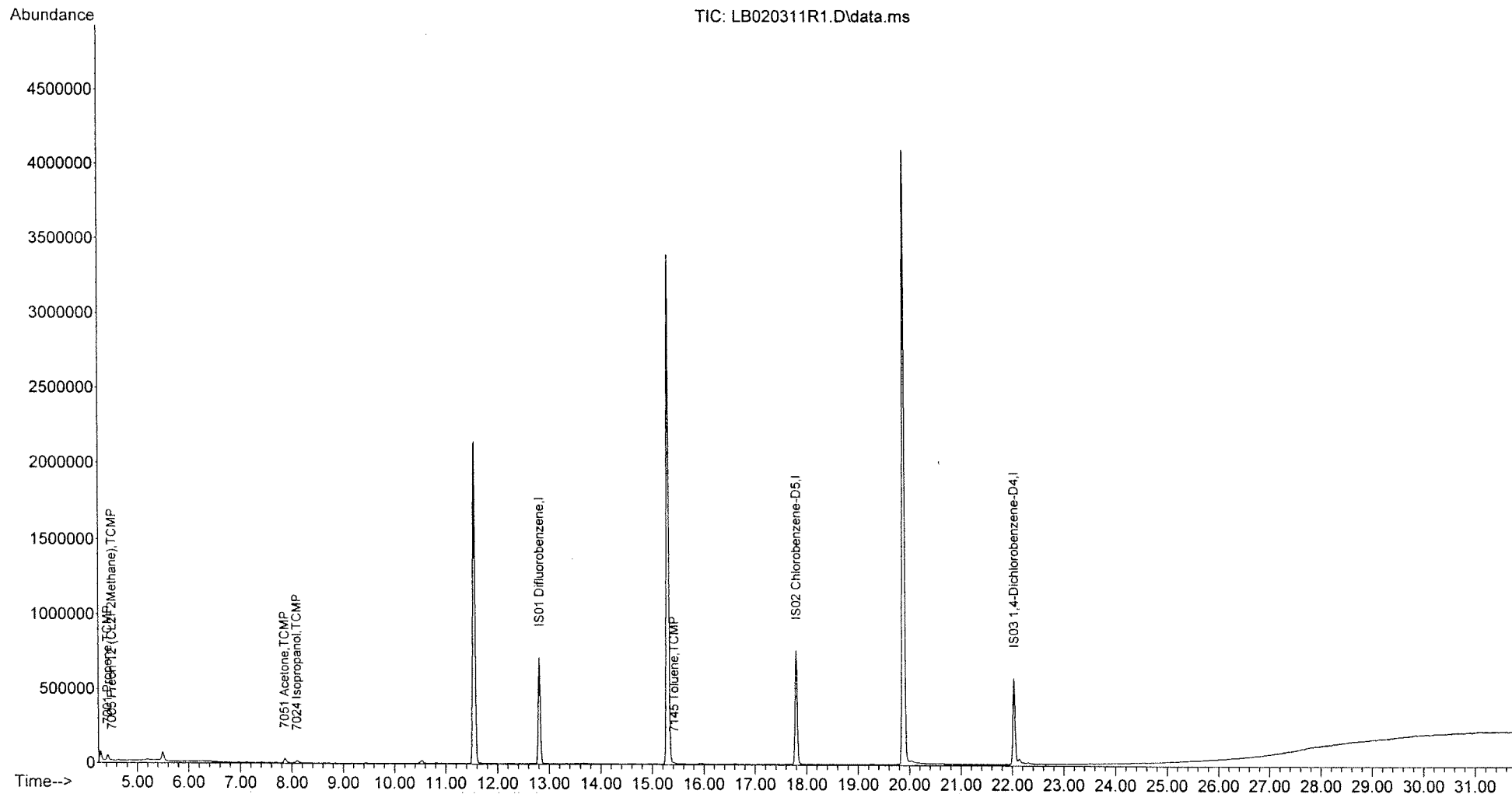
Quant Time: Feb 03 16:37:01 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_012411.M
 Quant Title : TO15
 QLast Update : Mon Jan 24 16:42:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.420	91	5329	0.02	UG/M3#	20
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	0.000		0	N.D.		
55) 7156 (m- and.or p-) Xy...	0.000		0	N.D.		
56) 7157 o-Xylene	0.000		0	N.D.		
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	0.000		0	N.D.		
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R1.D
 Acq On : 3 Feb 2011 4:09 pm
 Operator : FW
 Sample : LB020311R1
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 03 16:37:01 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_012411.M
 Quant Title : TO15
 QLast Update : Mon Jan 24 16:42:07 2011
 Response via : Initial Calibration



InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L02.D
 Acq On : 3 Feb 2011 4:57 pm
 Operator : FW
 Sample : AS020311L02
 Misc : can4017/100ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:05:54 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Mon Jan 24 16:42:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) IS01 Difluorobenzene	12.814	114	967279	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	755057	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	281490	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.380	98	4296	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
							Qvalue
Target Compounds							
2) 7001 Propene	4.426	41	79452	0.48	UG/M3		95
3) 7005 Freon 12 (CL2F2Me...	4.512	85	190734	1.12	UG/M3		97
4) 7017 Freon 114 (Cl2F4E...	4.836	85	206391	1.53	UG/M3		94
5) 7025 Chloromethane	4.959	50	66253	0.43	UG/M3		99
6) 7035 Vinyl Chloride	5.246	62	71336	0.57	UG/M3		100
7) 7018 1,3-Butadiene	5.344	54	110071	0.93	UG/M3		91
8) 7030 Bromomethane	6.011	94	52371	0.96	UG/M3		99
9) 7040 Chloroethane	6.237	64	38587	0.64	UG/M3		99
10) 7008 Vinyl Bromide (Br...	6.635	106	72365	0.96	UG/M3		98
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	175517	1.22	UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.797	101	147451	1.67	UG/M3		88
13) 7050 1,1-Dichloroethene	7.797	61	98181	0.77	UG/M3		95
14) 7051 Acetone	7.858	43	74213	0.39	UG/M3		92
15) 7024 Isopropanol	8.097	45	91549	0.51	UG/M3		89
16) 7052 Carbon Disulfide	8.244	76	188497	0.67	UG/M3		93
17) 7026 3-Chloropropene (...)	8.440	41	113030	0.96	UG/M3		94
18) 7045 Methylene Chloride	8.635	49	69628	0.70	UG/M3		92
19) 7020 Acrylonitrile	9.027	53	22700	0.33	UG/M3		96
20) 7915 Methyl T-Butyl Ether	9.161	73	156232	0.69	UG/M3		97
21) 7060 trans-1,2-Dichlor...	9.143	61	96880	0.80	UG/M3		98
22) 7016 Hexane	9.626	57	121657	0.71	UG/M3		95
23) 7055 1,1-Dichloroethane	9.847	63	114286	0.83	UG/M3		98
24) 7028 Vinyl Acetate	9.883	43	68616	0.47	UG/M3		98
25) 7058 Methyl Ethyl Ketone	10.795	72	22633	0.48	UG/M3#		82
26) 7056 cis-1,2-Dichloroe...	10.801	96	67655	0.82	UG/M3		96
27) 7029 Ethyl Acetate	10.874	70	13673	0.58	UG/M3		93
28) 7065 Chloroform	11.297	83	104340	1.00	UG/M3		99
29) 7032 Tetrahydrofuran	11.327	42	46431	0.39	UG/M3		94
31) 7075 1,1,1-Trichloroet...	11.670	97	130652	1.08	UG/M3		99
32) 7013 Cyclohexane	11.804	56	124699	0.69	UG/M3		96
33) 7080 Carbon Tetrachloride	11.957	117	131930	1.21	UG/M3		100
34) 7070 1,2-Dichloroethane	12.251	62	69549	0.74	UG/M3		98
35) 7105 Benzene	12.269	78	207610	0.66	UG/M3		100
36) 7036 Isooctane (2,2,4-...	12.392	57	364608	0.95	UG/M3		97
37) 7038 Heptane	12.649	43	116280	0.75	UG/M3		94
38) 7100 Trichloroethene	13.297	132	99020	1.05	UG/M3		92
39) 7090 1,2-Dichloropropane	13.658	63	68592	0.89	UG/M3		100
40) 7043 1,4-Dioxane	13.884	88	28348	0.47	UG/M3		93
41) 7085 Bromodichloromethane	14.068	83	107125	1.12	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.802	75	69627	0.82	UG/M3		97

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L02.D
 Acq On : 3 Feb 2011 4:57 pm
 Operator : FW
 Sample : AS020311L02
 Misc : can4017/100ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

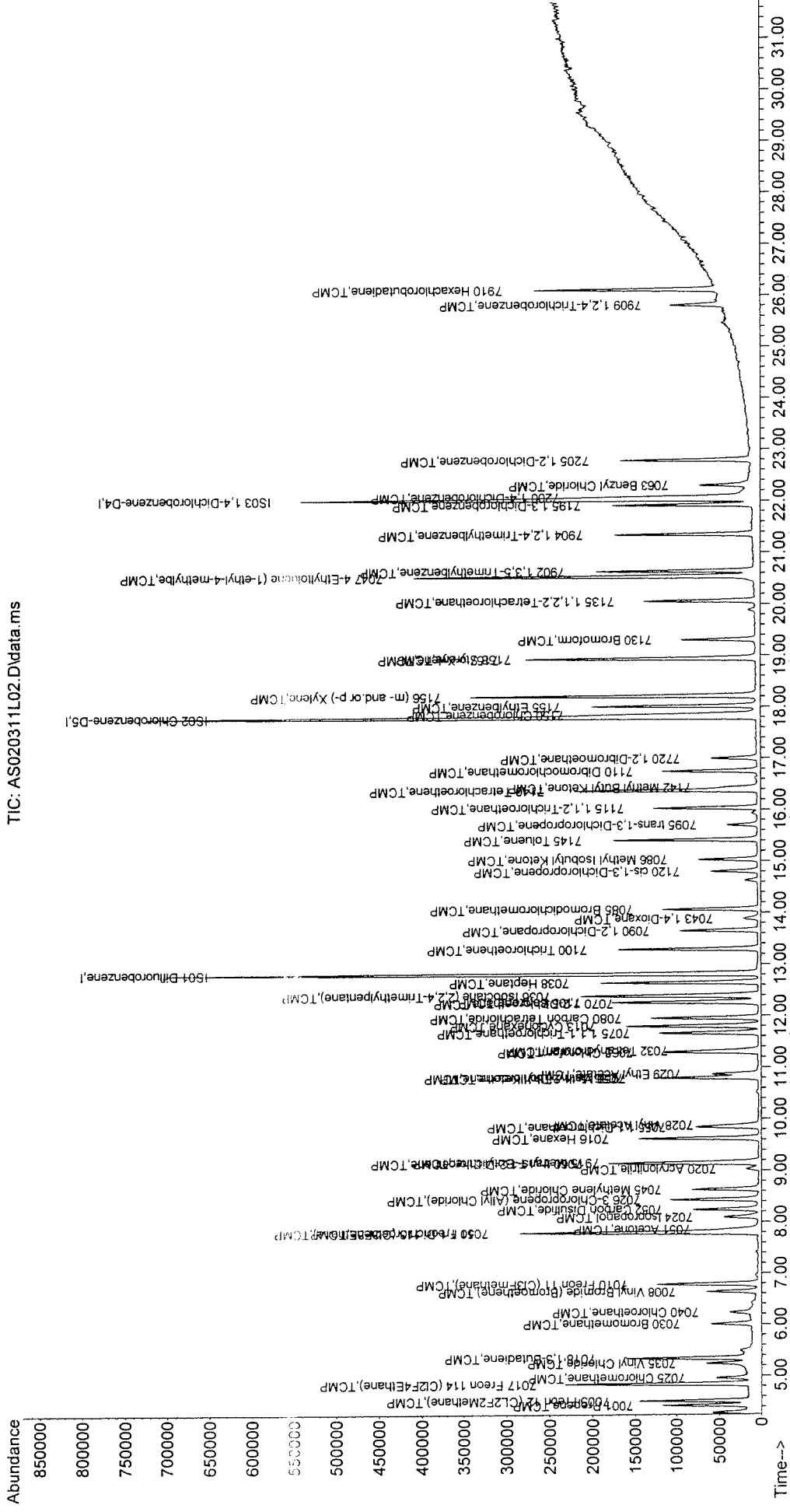
Quant Time: Feb 04 05:05:54 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Mon Jan 24 16:42:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.034	43	75010	0.55	UG/M3	94
46) 7145 Toluene	15.414	91	219793	0.78	UG/M3	100
47) 7095 trans-1,3-Dichlor...	15.707	75	39672	0.82	UG/M3	95
48) 7115 1,1,2-Trichloroet...	16.038	97	70617	1.14	UG/M3	99
49) 7140 Tetrachloroethene	16.380	166	114870	1.24	UG/M3	94
50) 7142 Methyl Butyl Ketone	16.435	43	43857	0.44	UG/M3	94
51) 7110 Dibromochloromethane	16.754	129	106597	1.36	UG/M3	99
52) 7720 1,2-Dibromoethane	16.998	107	68446	1.46	UG/M3	100
53) 7150 Chlorobenzene	17.855	112	169166	0.93	UG/M3	100
54) 7155 Ethylbenzene	18.014	91	252618	0.84	UG/M3	98
55) 7156 (m- and or p-) Xy...	18.216	91	371293	1.64	UG/M3	98
56) 7157 o-Xylene	18.938	91	192641	0.81	UG/M3	96
57) 7158 Styrene	18.950	104	109454	0.62	UG/M3	98
59) 7130 Bromoform	19.311	173	74153	1.84	UG/M3	100
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	120217	1.95	UG/M3	99
62) 7047 4-Ethyltoluene (1...	20.540	105	485462	2.65	UG/M3	98
63) 7902 1,3,5-Trimethylbe...	20.644	105	190810	1.19	UG/M3	98
64) 7904 1,2,4-Trimethylbe...	21.354	105	176544	1.19	UG/M3	95
65) 7195 1,3-Dichlorobenzene	21.923	146	135218	1.49	UG/M3	98
66) 7200 1,4-Dichlorobenzene	22.082	146	124860	1.47	UG/M3	96
67) 7063 Benzyl Chloride	22.302	91	79344	0.79	UG/M3	97
68) 7205 1,2-Dichlorobenzene	22.792	111	52092	1.58	UG/M3#	88
69) 7909 1,2,4-Trichlorobe...	25.820	180	45409	1.17	UG/M3	99
70) 7910 Hexachlorobutadiene	26.120	227	47344	1.81	UG/M3	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L02.D
 Acq On : 3 Feb 2011 4:57 pm
 Operator : FW
 Sample : AS020311L02
 Misc : can4017/100ccPI/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:05:54 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Mon Jan 24 16:42:07 2011
 Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-PS1.D
 Acq On : 3 Feb 2011 5:45 pm
 Operator : FW
 Sample : 1102004-PS1
 Misc : can4017/250ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:10:20 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:10:00 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) IS01 Difluorobenzene	12.814	114	988279	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	790966	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	314867	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.380	98	13018	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							Qvalue
2) 7001 Propene	4.426	41	162344	0.96	UG/M3		98
3) 7005 Freon 12 (CL2F2Me...	4.512	85	464601	2.66	UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.842	85	517584	3.80	UG/M3		100
5) 7025 Chloromethane	4.959	50	167544	1.07	UG/M3		96
6) 7035 Vinyl Chloride	5.246	62	178978	1.41	UG/M3		99
7) 7018 1,3-Butadiene	5.344	54	283374	2.37	UG/M3		99
8) 7030 Bromomethane	6.011	94	134879	2.36	UG/M3		98
9) 7040 Chloroethane	6.231	64	97031	1.57	UG/M3		99
10) 7008 Vinyl Bromide (Br...	6.641	106	184286	2.43	UG/M3		98
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	442770	3.04	UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.797	101	373236	4.15	UG/M3		99
13) 7050 1,1-Dichloroethene	7.797	61	253085	2.00	UG/M3		100
14) 7051 Acetone	7.852	43	199116	1.04	UG/M3		100
15) 7024 Isopropanol	8.091	45	206343	1.14	UG/M3		89
16) 7052 Carbon Disulfide	8.244	76	484259	1.69	UG/M3		95
17) 7026 3-Chloropropene (...)	8.440	41	315270	2.73	UG/M3		97
18) 7045 Methylene Chloride	8.635	49	172067	1.73	UG/M3		97
19) 7020 Acrylonitrile	9.027	53	71266	1.00	UG/M3		98
20) 7915 Methyl T-Butyl Ether	9.155	73	449220	1.92	UG/M3		99
21) 7060 trans-1,2-Dichlor...	9.143	61	246002	2.01	UG/M3		99
22) 7016 Hexane	9.626	57	309662	1.81	UG/M3		97
23) 7055 1,1-Dichloroethane	9.847	63	303155	2.15	UG/M3		99
24) 7028 Vinyl Acetate	9.883	43	210097	1.44	UG/M3		98
25) 7058 Methyl Ethyl Ketone	10.789	72	66865	1.39	UG/M3		93
26) 7056 cis-1,2-Dichloroe...	10.801	96	178706	2.13	UG/M3		99
27) 7029 Ethyl Acetate	10.874	70	39869	1.65	UG/M3		96
28) 7065 Chloroform	11.297	83	330477	2.62	UG/M3		100
29) 7032 Tetrahydrofuran	11.321	42	134434	1.12	UG/M3		98
31) 7075 1,1,1-Trichloroet...	11.670	97	342294	2.81	UG/M3		100
32) 7013 Cyclohexane	11.804	56	319315	1.77	UG/M3		99
33) 7080 Carbon Tetrachloride	11.957	117	342363	3.16	UG/M3		99
34) 7070 1,2-Dichloroethane	12.251	62	189653	2.01	UG/M3		99
35) 7105 Benzene	12.275	78	560032	1.74	UG/M3		100
36) 7036 Isooctane (2,2,4-...	12.392	57	960561	2.48	UG/M3		100
37) 7038 Heptane	12.649	43	309060	2.02	UG/M3		99
38) 7100 Trichloroethene	13.297	132	233249	2.72	UG/M3		99
39) 7090 1,2-Dichloropropane	13.658	63	177445	2.43	UG/M3		100
40) 7043 1,4-Dioxane	13.872	88	75415	1.36	UG/M3		97
41) 7085 Bromodichloromethane	14.068	83	354918	3.10	UG/M3		99
43) 7120 cis-1,3-Dichlorop...	14.808	75	178210	2.33	UG/M3		97

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-PS1.D
 Acq On : 3 Feb 2011 5:45 pm
 Operator : FW
 Sample : 1102004-PS1
 Misc : can4017/250ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:10:20 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:10:00 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.028	43	219011	1.54	UG/M3	99
46) 7145 Toluene	15.414	91	618370	2.07	UG/M3	100
47) 7095 trans-1,3-Dichlor...	15.701	75	117965	2.36	UG/M3	97
48) 7115 1,1,2-Trichloroet...	16.038	97	196075	2.98	UG/M3	99
49) 7140 Tetrachloroethene	16.380	166	302664	3.18	UG/M3	99
50) 7142 Methyl Butyl Ketone	16.429	43	136514	1.32	UG/M3	97
51) 7110 Dibromochloromethane	16.754	129	317626	3.95	UG/M3	98
52) 7720 1,2-Dibromoethane	16.998	107	196736	4.02	UG/M3	97
53) 7150 Chlorobenzene	17.855	112	466871	2.44	UG/M3	99
54) 7155 Ethylbenzene	18.014	91	746671	2.33	UG/M3	100
55) 7156 (m- and.or p-) Xy...	18.216	91	1132361	4.71	UG/M3	99
56) 7157 o-Xylene	18.938	91	589930	2.35	UG/M3	99
57) 7158 Styrene	18.950	104	352136	1.93	UG/M3	100
59) 7130 Bromoform	19.311	173	226914	5.05	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	355807	4.77	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.540	105	1469340	6.71	UG/M3	99
63) 7902 1,3,5-Trimethylbe...	20.644	105	575876	3.02	UG/M3	99
64) 7904 1,2,4-Trimethylbe...	21.354	105	530633	3.02	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	396302	3.71	UG/M3	99
66) 7200 1,4-Dichlorobenzene	22.076	146	369541	3.71	UG/M3	99
67) 7063 Benzyl Chloride	22.302	91	258591	2.24	UG/M3	99
68) 7205 1,2-Dichlorobenzene	22.786	111	153294	3.93	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	141122	3.24	UG/M3	97
70) 7910 Hexachlorobutadiene	26.120	227	137392	4.74	UG/M3	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BS1.D
 Acq On : 3 Feb 2011 6:34 pm
 Operator : FW
 Sample : 1102004-BS1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:13:27 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:14 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.814	114	1000167	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	798693	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	330583	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.380	98	27013	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.426	41	296470	1.80	UG/M3		98
3) 7005 Freon 12 (CL2F2Me...	4.518	85	924113	5.21	UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.842	85	1043002	7.52	UG/M3		100
5) 7025 Chloromethane	4.959	50	329224	2.09	UG/M3		97
6) 7035 Vinyl Chloride	5.246	62	358338	2.76	UG/M3		100
7) 7018 1,3-Butadiene	5.344	54	573160	4.72	UG/M3		100
8) 7030 Bromomethane	6.011	94	269727	4.54	UG/M3		99
9) 7040 Chloroethane	6.237	64	196354	3.06	UG/M3		100
10) 7008 Vinyl Bromide (Br...	6.641	106	371876	4.83	UG/M3		98
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	883974	6.02	UG/M3		98
12) 7011 Freon 113 (Cl3F3E...	7.803	101	742604	8.12	UG/M3		100
13) 7050 1,1-Dichloroethene	7.797	61	510982	4.03	UG/M3		100
14) 7051 Acetone	7.846	43	427114	2.24	UG/M3		99
15) 7024 Isopropanol	8.085	45	407382	2.19	UG/M3		98
16) 7052 Carbon Disulfide	8.244	76	983508	3.39	UG/M3		100
17) 7026 3-Chloropropene (...)	8.440	41	655741	5.81	UG/M3		99
18) 7045 Methylene Chloride	8.635	49	345532	3.49	UG/M3		99
19) 7020 Acrylonitrile	9.027	53	159298	2.23	UG/M3		98
20) 7915 Methyl T-Butyl Ether	9.149	73	1022815	4.33	UG/M3		99
21) 7060 trans-1,2-Dichlor...	9.143	61	496723	4.04	UG/M3		100
22) 7016 Hexane	9.626	57	628220	3.67	UG/M3		99
23) 7055 1,1-Dichloroethane	9.847	63	622182	4.37	UG/M3		100
24) 7028 Vinyl Acetate	9.883	43	502052	3.52	UG/M3		99
25) 7058 methyl Ethyl Ketone	10.789	72	151322	3.12	UG/M3		99
26) 7056 cis-1,2-Dichloroe...	10.801	96	370015	4.35	UG/M3		100
27) 7029 Ethyl Acetate	10.868	70	93277	3.73	UG/M3		95
28) 7065 Chloroform	11.297	83	684250	5.35	UG/M3		100
29) 7032 Tetrahydrofuran	11.315	42	313301	2.63	UG/M3		98
31) 7075 1,1,1-Trichloroet...	11.670	97	705173	5.76	UG/M3		100
32) 7013 Cyclohexane	11.804	56	649112	3.61	UG/M3		99
33) 7080 Carbon Tetrachloride	11.963	117	713000	6.59	UG/M3		99
34) 7070 1,2-Dichloroethane	12.251	62	401376	4.25	UG/M3		99
35) 7105 Benzene	12.275	78	1164371	3.55	UG/M3		100
36) 7036 Isooctane (2,2,4-...	12.392	57	1970164	5.06	UG/M3		100
37) 7038 Heptane	12.649	43	630589	4.17	UG/M3		98
38) 7100 Trichloroethene	13.297	132	481957	5.63	UG/M3		100
39) 7090 1,2-Dichloropropane	13.658	63	376142	5.09	UG/M3		99
40) 7043 1,4-Dioxane	13.866	88	162578	2.87	UG/M3		97
41) 7085 Bromodichloromethane	14.068	83	755444	6.58	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	381730	4.97	UG/M3		100

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BS1.D
 Acq On : 3 Feb 2011 6:34 pm
 Operator : FW
 Sample : 1102004-BS1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:13:27 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:14 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.028	43	505639	3.59	UG/M3	99
46) 7145 Toluene	15.414	91	1326033	4.36	UG/M3	100
47) 7095 trans-1,3-Dichlor...	15.701	75	261454	5.24	UG/M3	100
48) 7115 1,1,2-Trichloroet...	16.038	97	417834	6.20	UG/M3	99
49) 7140 Tetrachloroethene	16.380	166	627107	6.70	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.429	43	312823	3.06	UG/M3	98
51) 7110 Dibromochloromethane	16.754	129	714181	8.98	UG/M3	99
52) 7720 1,2-Dibromoethane	16.998	107	428420	8.65	UG/M3	100
53) 7150 Chlorobenzene	17.855	112	990556	5.11	UG/M3	100
54) 7155 Ethylbenzene	18.014	91	1632414	5.01	UG/M3	100
55) 7156 (m- and.or p-) Xy...	18.216	91	2510670	10.31	UG/M3	100
56) 7157 o-Xylene	18.938	91	1286518	5.05	UG/M3	98
57) 7158 Styrene	18.950	104	829087	4.59	UG/M3	98
59) 7130 Bromoform	19.311	173	533460	11.29	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	799171	9.54	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.540	105	3473622	14.26	UG/M3	100
63) 7902 1,3,5-Trimethylbe...	20.644	105	1364457	6.46	UG/M3	99
64) 7904 1,2,4-Trimethylbe...	21.354	105	1260653	6.47	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	865773	7.37	UG/M3	99
66) 7200 1,4-Dichlorobenzene	22.082	146	818208	7.46	UG/M3	99
67) 7063 Benzyl Chloride	22.302	91	660553	5.29	UG/M3	100
68) 7205 1,2-Dichlorobenzene	22.792	111	332562	7.63	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	304746	6.54	UG/M3	100
70) 7910 Hexachlorobutadiene	26.120	227	294175	9.77	UG/M3	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BS1.D
 Acq On : 3 Feb 2011 6:34 pm
 Operator : FW
 Sample : 1102004-BS1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:13:27 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:14 2011
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I IS01 Difluorobenzene	1.000	1.000	0.0	100	0.00
2 TCMP 7001 Propene	3.576	3.919	-9.6	100	0.00
3 TCMP 7005 Freon 12 (CL2F2Methane	4.148	4.398	-6.0	100	0.00
4 TCMP 7017 Freon 114 (Cl2F4Ethane	3.276	3.496	-6.7	100	0.00
5 TCMP 7025 Chloromethane	3.609	3.731	-3.4	100	0.00
6 TCMP 7035 Vinyl Chloride	3.111	3.280	-5.4	100	0.00
7 TCMP 7018 1,3-Butadiene	2.866	3.100	-8.2	100	0.00
8 TCMP 7030 Bromomethane	1.489	1.605	-7.8	100	0.00
9 TCMP 7040 Chloroethane	1.597	1.731	-8.4	100	0.00
10 TCMP 7008 Vinyl Bromide (Bromoet	1.811	1.924	-6.2	100	0.00
11 TCMP 7010 Freon 11 (Cl3Fmethane)	3.392	3.565	-5.1	100	0.00
12 TCMP 7011 Freon 113 (Cl3F3Ethane	2.149	2.295	-6.8	100	0.00
13 TCMP 7050 1,1-Dichloroethene	2.911	3.040	-4.4	100	0.00
14 TCMP 7051 Acetone	4.136	4.419	-6.8	100	0.00
15 TCMP 7024 Isopropanol	4.172	3.728	10.6	100	0.01
16 TCMP 7052 Carbon Disulfide	6.891	7.314	-6.1	100	0.00
17 TCMP 7026 3-Chloropropene (Allyl	2.448	2.558	-4.5	100	0.00
18 TCMP 7045 Methylene Chloride	2.239	2.349	-4.9	100	0.00
19 TCMP 7020 Acrylonitrile	1.612	1.723	-6.9	100	0.00
20 TCMP 7915 Methyl T-Butyl Ether	5.432	6.085	-12.0	100	0.00
21 TCMP 7060 trans-1,2-Dichloroethe	2.852	3.031	-6.3	100	0.00
22 TCMP 7016 Hexane	3.919	4.153	-6.0	100	0.00
23 TCMP 7055 1,1-Dichloroethane	3.335	3.611	-8.3	100	0.00
24 TCMP 7028 Vinyl Acetate	3.054	3.319	-8.7	100	0.00
25 TCMP 7058 Methyl Ethyl Ketone	1.146	1.242	-8.4	100	0.00
26 TCMP 7056 cis-1,2-Dichloroethene	2.011	2.148	-6.8	100	0.00
27 TCMP 7029 Ethyl Acetate	0.578	0.634	-9.7	100	0.00
28 TCMP 7065 Chloroform	3.011	3.256	-8.1	100	0.00
29 TCMP 7032 Tetrahydrofuran	2.542	2.571	-1.1	100	0.00
30 S SS17 Dibromofluoromethane	0.000	0.000#	0.0	0#	-12.56#
31 TCMP 7075 1,1,1-Trichloroethane	2.832	2.996	-5.8	100	0.00
32 TCMP 7013 Cyclohexane	4.117	4.413	-7.2	100	0.00
33 TCMP 7080 Carbon Tetrachloride	2.450	2.610	-6.5	100	0.00
34 TCMP 7070 1,2-Dichloroethane	2.133	2.274	-6.6	100	0.00
35 TCMP 7105 Benzene	7.751	8.396	-8.3	100	0.00
36 TCMP 7036 Isooctane (2,2,4-Trime	8.936	9.568	-7.1	100	0.00
37 TCMP 7038 Heptane	3.314	3.490	-5.3	100	0.00
38 TCMP 7100 Trichloroethene	1.932	2.048	-6.0	100	0.00
39 TCMP 7090 1,2-Dichloropropane	1.726	1.865	-8.1	100	0.00
40 TCMP 7043 1,4-Dioxane	1.323	1.138	14.0	100	0.01
41 TCMP 7085 Bromodichloromethane	2.654	2.853	-7.5	100	0.00
42 I IS02 Chlorobenzene-D5	1.000	1.000	0.0	100	0.00
43 TCMP 7120 cis-1,3-Dichloropropen	2.273	2.430	-6.9	100	0.00
44 TCMP 7086 Methyl Isobutyl Ketone	3.838	3.603	6.1	100	0.00
45 S SS11 Toluene-D8	0.000	0.000#	0.0	100	0.00
46 TCMP 7145 Toluene	9.097	10.174	-11.8	100	0.00

Evaluate Continuing Calibration Report

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BS1.D
 Acq On : 3 Feb 2011 6:34 pm
 Operator : FW
 Sample : 1102004-BS1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Feb 04 05:13:27 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:14 2011
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 TCMP 7095 trans-1,3-Dichloroprop	1.458	1.597	-9.5	100	0.00
48 TCMP 7115 1,1,2-Trichloroethane	2.025	2.233	-10.3	100	0.00
49 TCMP 7140 Tetrachloroethene	2.553	2.681	-5.0	100	0.00
50 TCMP 7142 Methyl Butyl Ketone	2.774	2.229	19.6	100	0.00
51 TCMP 7110 Dibromochloromethane	2.283	2.456	-7.6	100	0.00
52 TCMP 7720 1,2-Dibromoethane	1.470	1.602	-9.0	100	0.00
53 TCMP 7150 Chlorobenzene	5.703	6.175	-8.3	100	0.00
54 TCMP 7155 Ethylbenzene	9.688	10.855	-12.0	100	0.00
55 TCMP 7156 (m- and.or p-) Xylene	7.216	8.256	-14.4	100	0.00
56 TCMP 7157 o-Xylene	7.552	8.369	-10.8	100	0.00
57 TCMP 7158 Styrene	5.181	5.639	-8.8	100	0.00
58 I IS03 1,4-Dichlorobenzene-D4	1.000	1.000	0.0	100	0.00
59 TCMP 7130 Bromoform	4.460	4.567	-2.4	100	0.00
60 S SS19 p-Bromofluorobenzene	0.000	0.000#	0.0	0#	-20.87#
61 TCMP 7135 1,1,2,2-Tetrachloroeth	8.866	10.215	-15.2	100	0.00
62 TCMP 7047 4-Ethyltoluene (1-ethy	25.335	30.605	-20.8	100	0.00
63 TCMP 7902 1,3,5-Trimethylbenzene	21.703	25.270	-16.4	100	0.00
64 TCMP 7904 1,2,4-Trimethylbenzene	19.910	22.432	-12.7	100	0.00
65 TCMP 7195 1,3-Dichlorobenzene	11.632	12.672	-8.9	100	0.00
66 TCMP 7200 1,4-Dichlorobenzene	10.892	11.786	-8.2	100	0.00
67 TCMP 7063 Benzyl Chloride	12.889	11.989	7.0	100	0.00
68 TCMP 7205 1,2-Dichlorobenzene	4.496	4.868	-8.3	100	0.00
69 TCMP 7909 1,2,4-Trichlorobenzene	4.204	3.788	9.9	100	0.00
70 TCMP 7910 Hexachlorobutadiene	2.481	2.405	3.1	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L2.D
 Acq On : 3 Feb 2011 7:22 pm
 Operator : FW
 Sample : AS020311L2
 Misc : can4016/250ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

Quant Time: Feb 04 05:15:51 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:55 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.814	114	974554	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	796426	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	341830	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.374	98	47265	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							Qvalue
2) 7001 Propene	4.426	41	506383	3.27	UG/M3		99
3) 7005 Freon 12 (CL2F2Me...	4.512	85	1657674	9.62	UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.842	85	1865682	13.77	UG/M3		99
5) 7025 Chloromethane	4.959	50	599801	3.95	UG/M3		99
6) 7035 Vinyl Chloride	5.246	62	653908	5.15	UG/M3		99
7) 7018 1,3-Butadiene	5.344	54	1032031	8.72	UG/M3		100
8) 7030 Bromomethane	6.011	94	482559	8.11	UG/M3		99
9) 7040 Chloroethane	6.231	64	355863	5.58	UG/M3		100
10) 7008 Vinyl Bromide (Br...	6.641	106	672732	9.01	UG/M3		99
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	1600335	11.28	UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.797	101	1343892	15.11	UG/M3		100
13) 7050 1,1-Dichloroethene	7.797	61	942835	7.73	UG/M3		99
14) 7051 Acetone	7.840	43	683260	3.78	UG/M3		100
15) 7024 Isopropanol	8.073	45	894329	4.98	UG/M3		98
16) 7052 Carbon Disulfide	8.244	76	1776530	6.28	UG/M3		99
17) 7026 3-Chloropropene (...)	8.440	41	1190637	11.19	UG/M3		99
18) 7045 Methylene Chloride	8.635	49	621546	6.54	UG/M3		99
19) 7020 Acrylonitrile	9.027	53	295382	4.31	UG/M3		99
20) 7915 Methyl T-Butyl Ether	9.149	73	1716334	7.50	UG/M3		99
21) 7060 trans-1,2-Dichlor...	9.143	61	907034	7.63	UG/M3		99
22) 7016 Hexane	9.626	57	1126865	6.84	UG/M3		99
23) 7055 1,1-Dichloroethane	9.847	63	1123289	8.11	UG/M3		99
24) 7028 Vinyl Acetate	9.883	43	873815	6.51	UG/M3		99
25) 7058 Methyl Ethyl Ketone	10.789	72	264980	5.59	UG/M3		98
26) 7056 cis-1,2-Dichloroe...	10.801	96	673967	8.13	UG/M3		99
27) 7029 Ethyl Acetate	10.868	70	154195	6.36	UG/M3		98
28) 7065 Chloroform	11.297	83	1225933	9.83	UG/M3		100
29) 7032 Tetrahydrofuran	11.309	42	560047	4.97	UG/M3		98
31) 7075 1,1,1-Trichloroet...	11.670	97	1283136	10.84	UG/M3		100
32) 7013 Cyclohexane	11.804	56	1174114	6.79	UG/M3		99
33) 7080 Carbon Tetrachloride	11.957	117	1299869	12.53	UG/M3		99
34) 7070 1,2-Dichloroethane	12.251	62	719354	7.94	UG/M3		99
35) 7105 Benzene	12.275	78	2071575	6.47	UG/M3		100
36) 7036 Isooctane (2,2,4-...	12.392	57	3482878	9.28	UG/M3		100
37) 7038 Heptane	12.649	43	1127162	7.88	UG/M3		99
38) 7100 Trichloroethene	13.297	132	866133	10.53	UG/M3		99
39) 7090 1,2-Dichloropropane	13.658	63	670569	9.34	UG/M3		99
40) 7043 1,4-Dioxane	13.854	88	393261	7.14	UG/M3		98
41) 7085 Bromodichloromethane	14.068	83	1374865	12.38	UG/M3		99
43) 7120 cis-1,3-Dichlorop...	14.808	75	701356	9.16	UG/M3		99

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L2.D
 Acq On : 3 Feb 2011 7:22 pm
 Operator : FW
 Sample : AS020311L2
 Misc : can4016/250ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

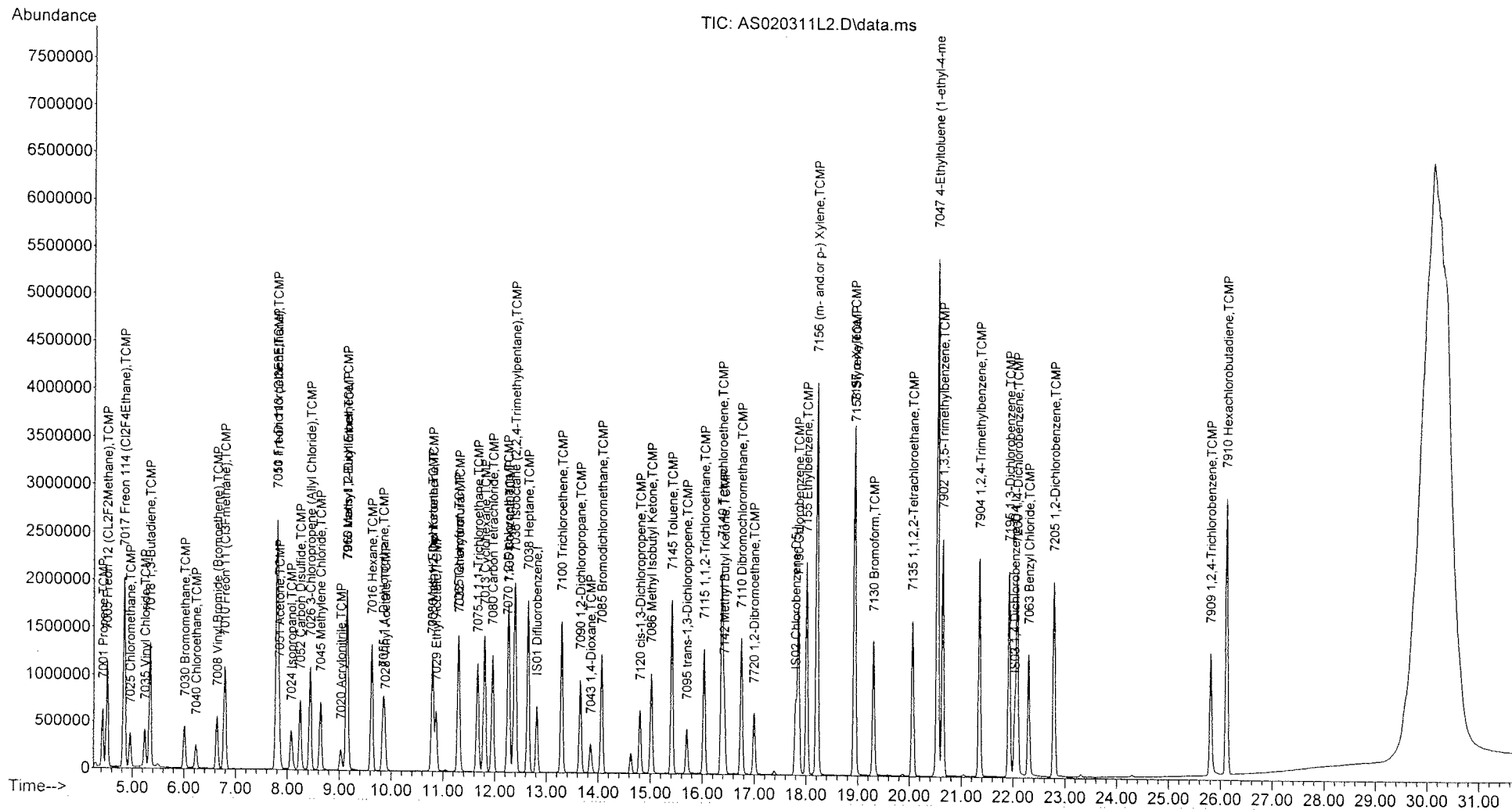
Quant Time: Feb 04 05:15:51 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:55 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.022	43	1083140	7.91	UG/M3	100
46) 7145 Toluene	15.414	91	2352203	7.70	UG/M3	100
47) 7095 trans-1,3-Dichlor...	15.701	75	479141	9.68	UG/M3	99
48) 7115 1,1,2-Trichloroet...	16.038	97	748445	11.05	UG/M3	100
49) 7140 Tetrachloroethene	16.380	166	1144769	12.61	UG/M3	99
50) 7142 Methyl Butyl Ketone	16.423	43	820511	8.23	UG/M3	99
51) 7110 Dibromochloromethane	16.754	129	1355559	17.23	UG/M3	99
52) 7720 1,2-Dibromoethane	16.998	107	787426	15.89	UG/M3	98
53) 7150 Chlorobenzene	17.855	112	1794434	9.27	UG/M3	99
54) 7155 Ethylbenzene	18.014	91	2939468	9.01	UG/M3	100
55) 7156 (m- and.or p-) Xy...	18.216	91	4476838	18.38	UG/M3	99
56) 7157 o-Xylene	18.938	91	2321279	9.09	UG/M3	100
57) 7158 Styrene	18.950	104	1613379	9.03	UG/M3	100
59) 7130 Bromoform	19.311	173	1225403	24.70	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	1522274	16.43	UG/M3	99
62) 7047 4-Ethyltoluene (1...	20.540	105	6479702	24.24	UG/M3	99
63) 7902 1,3,5-Trimethylbe...	20.644	105	2564397	11.09	UG/M3	100
64) 7904 1,2,4-Trimethylbe...	21.354	105	2411861	11.36	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	1728982	13.70	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.076	146	1666772	14.14	UG/M3	100
67) 7063 Benzyl Chloride	22.302	91	1828663	13.58	UG/M3	99
68) 7205 1,2-Dichlorobenzene	22.792	111	681992	14.34	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	820944	16.94	UG/M3	99
70) 7910 Hexachlorobutadiene	26.120	227	652593	21.35	UG/M3	100

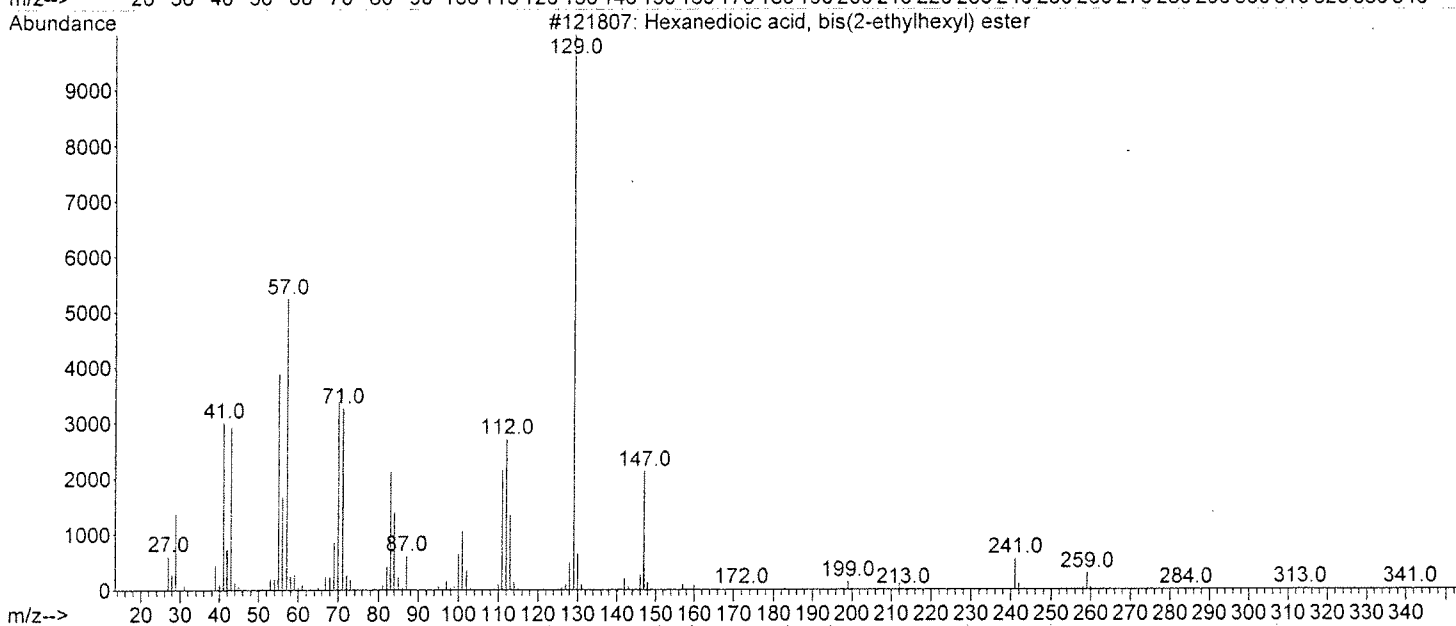
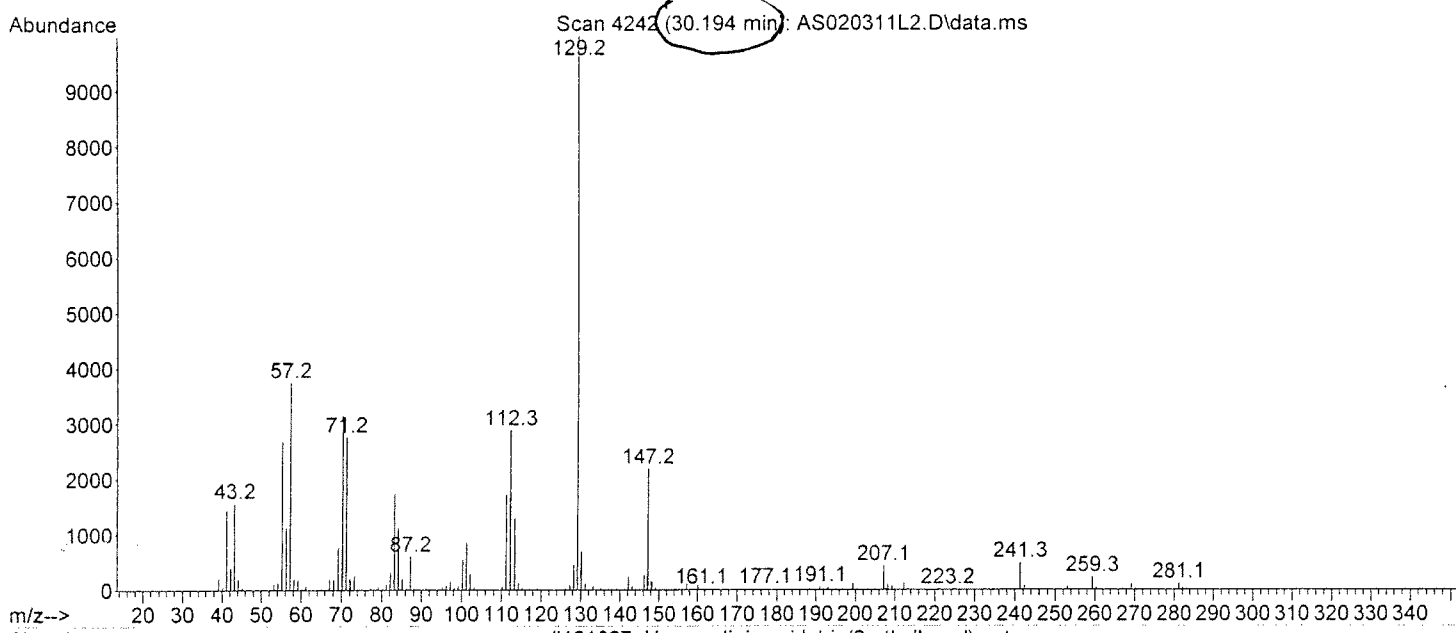
(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L2.D
 Acq On : 3 Feb 2011 7:22 pm
 Operator : FW
 Sample : AS020311L2
 Misc : can4016/250ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

Quant Time: Feb 04 05:15:51 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:13:55 2011
 Response via : Initial Calibration



Library Searched : C:\Database\NIST98.L
Quality : 93
ID : Hexanedioic acid, bis(2-ethylhexyl) ester



InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L4.D
 Acq On : 3 Feb 2011 8:11 pm
 Operator : FW
 Sample : AS020311L4
 Misc : can4016/500ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

Quant Time: Feb 04 05:17:48 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:17:30 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.820	114	1006820	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	813424	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	359398	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.380	98	89015	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.426	41	932971	6.01	UG/M3		99
3) 7005 Freon 12 (CL2F2Me...	4.518	85	3020639	17.06	UG/M3		100
4) 7017 Freon 114 (Cl2F4E...	4.842	85	3395822	24.33	UG/M3		99
5) 7025 Chloromethane	4.959	50	1137203	7.35	UG/M3		100
6) 7035 Vinyl Chloride	5.246	62	1227137	9.32	UG/M3		100
7) 7018 1,3-Butadiene	5.344	54	1915431	15.72	UG/M3		99
8) 7030 Bromomethane	6.011	94	886795	14.20	UG/M3		100
9) 7040 Chloroethane	6.237	64	664410	9.92	UG/M3		100
10) 7008 Vinyl Bromide (Br...	6.641	106	1261279	16.39	UG/M3		99
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	2960340	20.39	UG/M3		100
12) 7011 Freon 113 (Cl3F3E...	7.803	101	2461349	26.88	UG/M3		99
13) 7050 1,1-Dichloroethene	7.797	61	1758812	14.12	UG/M3		100
14) 7051 Acetone	7.840	43	1453323	8.04	UG/M3		100
15) 7024 Isopropanol	8.073	45	1780391	9.81	UG/M3		98
16) 7052 Carbon Disulfide	8.244	76	3341327	11.43	UG/M3		100
17) 7026 3-Chloropropene (...	8.440	41	2307748	21.65	UG/M3		99
18) 7045 Methylene Chloride	8.642	49	1167423	12.10	UG/M3		99
19) 7020 Acrylonitrile	9.027	53	607668	8.76	UG/M3		98
20) 7915 Methyl T-Butyl Ether	9.149	73	3529466	15.18	UG/M3		100
21) 7060 trans-1,2-Dichlor...	9.143	61	1688792	13.87	UG/M3		99
22) 7016 Hexane	9.627	57	2123633	12.64	UG/M3		100
23) 7055 1,1-Dichloroethane	9.853	63	2121778	14.92	UG/M3		99
24) 7028 Vinyl Acetate	9.883	43	1843420	13.80	UG/M3		100
25) 7058 Methyl Ethyl Ketone	10.783	72	567752	11.65	UG/M3		100
26) 7056 cis-1,2-Dichloroe...	10.807	96	1266722	14.81	UG/M3		98
27) 7029 Ethyl Acetate	10.868	70	344779	13.97	UG/M3		97
28) 7065 Chloroform	11.297	83	2292475	17.86	UG/M3		99
29) 7032 Tetrahydrofuran	11.309	42	1190671	10.67	UG/M3		99
31) 7075 1,1,1-Trichloroet...	11.670	97	2410791	19.89	UG/M3		100
32) 7013 Cyclohexane	11.804	56	2213082	12.53	UG/M3		100
33) 7080 Carbon Tetrachloride	11.963	117	2451638	23.25	UG/M3		99
34) 7070 1,2-Dichloroethane	12.257	62	1391752	15.15	UG/M3		99
35) 7105 Benzene	12.275	78	3896785	11.81	UG/M3		99
36) 7036 Isooctane (2,2,4-...	12.392	57	6540450	17.08	UG/M3		99
37) 7038 Heptane	12.649	43	2125671	14.76	UG/M3		100
38) 7100 Trichloroethene	13.297	132	1623395	19.46	UG/M3		99
39) 7090 1,2-Dichloropropane	13.658	63	1310662	17.81	UG/M3		99
40) 7043 1,4-Dioxane	13.854	88	811182	14.30	UG/M3		100
41) 7085 Bromodichloromethane	14.068	83	2659450	23.43	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	1419405	18.30	UG/M3		100

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L4.D
 Acq On : 3 Feb 2011 8:11 pm
 Operator : FW
 Sample : AS020311L4
 Misc : can4016/500ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

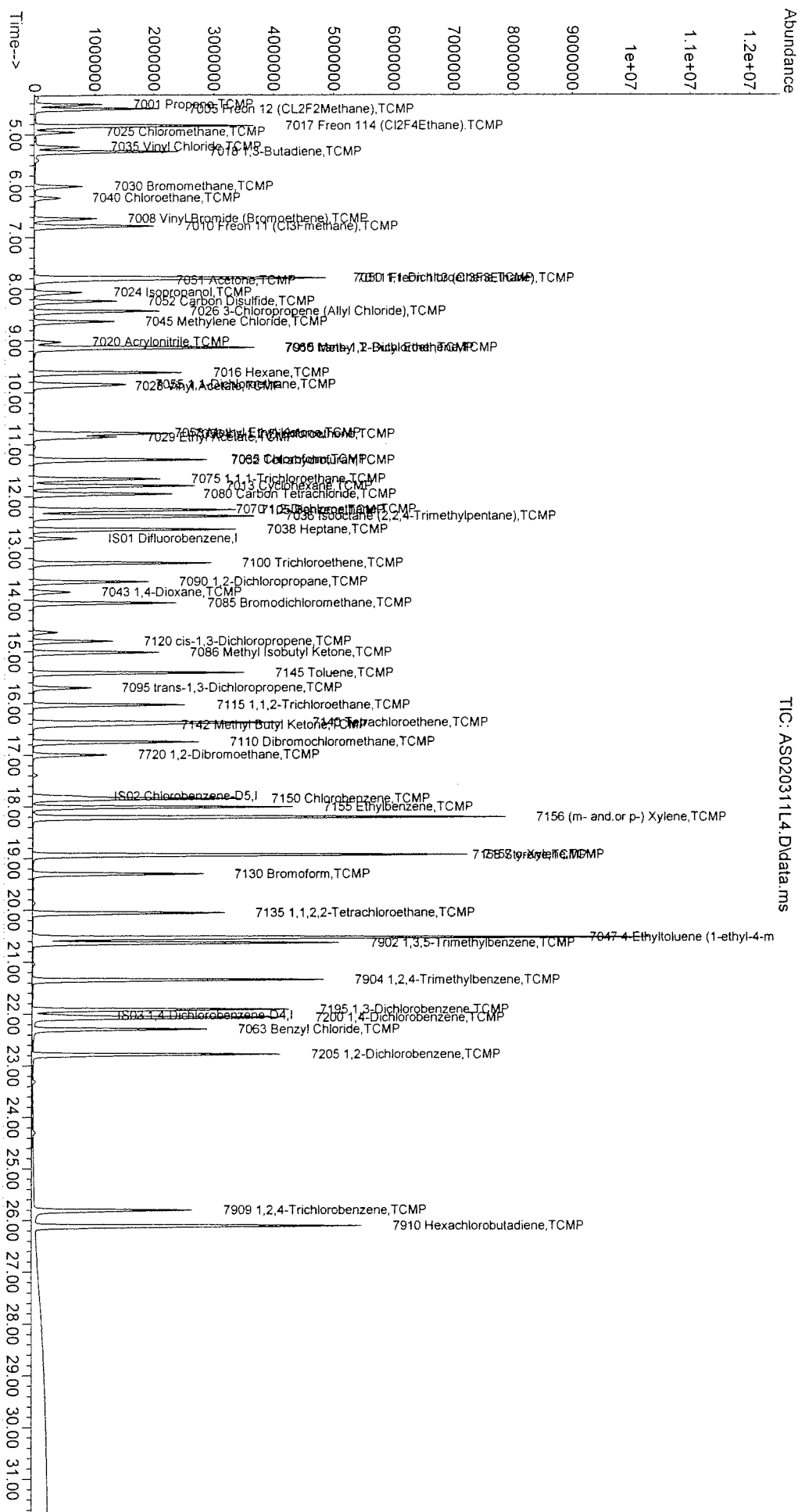
Quant Time: Feb 04 05:17:48 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:17:30 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.022	43	2199040	16.20	UG/M3	99
46) 7145 Toluene	15.420	91	4531300	14.58	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.701	75	982580	19.63	UG/M3	98
48) 7115 1,1,2-Trichloroet...	16.038	97	1433688	20.74	UG/M3	99
49) 7140 Tetrachloroethene	16.380	166	2169444	24.17	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.423	43	1701562	17.27	UG/M3	100
51) 7110 Dibromochloromethane	16.754	129	2662389	33.72	UG/M3	100
52) 7720 1,2-Dibromoethane	16.998	107	1536427	30.48	UG/M3	99
53) 7150 Chlorobenzene	17.855	112	3481379	17.78	UG/M3	100
54) 7155 Ethylbenzene	18.014	91	5716243	17.23	UG/M3	99
55) 7156 (m- and/or p-) Xy...	18.216	91	8610199	34.85	UG/M3	99
56) 7157 o-Xylene	18.938	91	4531902	17.51	UG/M3	100
57) 7158 Styrene	18.950	104	3252252	18.15	UG/M3	99
59) 7130 Bromoform	19.311	173	2491558	47.18	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	2997760	29.38	UG/M3	99
62) 7047 4-Ethyltoluene (1...	20.541	105	12339644	42.24	UG/M3	97
63) 7902 1,3,5-Trimethylbe...	20.645	105	5238535	20.84	UG/M3	98
64) 7904 1,2,4-Trimethylbe...	21.354	105	5086431	22.09	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	3465184	25.45	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	3326264	26.08	UG/M3	99
67) 7063 Benzyl Chloride	22.302	91	4081940	27.66	UG/M3	99
68) 7205 1,2-Dichlorobenzene	22.792	111	1345755	25.83	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	1639007	32.05	UG/M3	99
70) 7910 Hexachlorobutadiene	26.120	227	1257713	40.59	UG/M3	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973v1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L4.D
 Acq On : 3 Feb 2011 8:11 pm
 Operator : FW
 Sample : AS020311L4
 Misc : can4016/500ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

Quant Time: Feb 04 05:17:48 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 Quant Update : Fri Feb 04 05:17:30 2011
 Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L6.D
 Acq On : 3 Feb 2011 9:02 pm
 Operator : FW
 Sample : AS020311L6
 Misc : can4016/750ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

Quant Time: Feb 04 05:19:53 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.820	114	986524	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	810616	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	361182	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.380	98	132702	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.426	41	1340334	9.04	UG/M3		99
3) 7005 Freon 12 (CL2F2Me...	4.518	85	4347912	25.29	UG/M3		100
4) 7017 Freon 114 (Cl2F4E...	4.842	85	4886525	35.98	UG/M3		99
5) 7025 Chloromethane	4.965	50	1659124	11.09	UG/M3		99
6) 7035 Vinyl Chloride	5.246	62	1793879	13.91	UG/M3		100
7) 7018 1,3-Butadiene	5.344	54	2741916	23.08	UG/M3		100
8) 7030 Bromomethane	6.011	94	1299319	21.05	UG/M3		100
9) 7040 Chloroethane	6.237	64	972162	14.68	UG/M3		100
10) 7008 Vinyl Bromide (Br...	6.641	106	1833336	24.43	UG/M3		99
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	4293341	30.53	UG/M3		100
12) 7011 Freon 113 (Cl3F3E...	7.803	101	3560834	39.97	UG/M3		99
13) 7050 1,1-Dichloroethene	7.797	61	2540110	21.05	UG/M3		99
14) 7051 Acetone	7.840	43	2168100	12.65	UG/M3		100
15) 7024 Isopropanol	8.066	45	2832700	16.38	UG/M3		99
16) 7052 Carbon Disulfide	8.250	76	4902846	17.16	UG/M3		100
17) 7026 3-Chloropropene (...)	8.440	41	3399054	33.50	UG/M3		99
18) 7045 Methylene Chloride	8.642	49	1718519	18.52	UG/M3		100
19) 7020 Acrylonitrile	9.027	53	928766	13.90	UG/M3		99
20) 7915 Methyl T-Butyl Ether	9.149	73	5283207	23.46	UG/M3		100
21) 7060 trans-1,2-Dichlor...	9.149	61	2479318	20.98	UG/M3		100
22) 7016 Hexane	9.627	57	3108678	19.14	UG/M3		100
23) 7055 1,1-Dichloroethane	9.853	63	3131905	22.65	UG/M3		100
24) 7028 Vinyl Acetate	9.883	43	2827354	22.33	UG/M3		100
25) 7058 Methyl Ethyl Ketone	10.783	72	877175	18.47	UG/M3		100
26) 7056 cis-1,2-Dichloroe...	10.807	96	1881302	22.56	UG/M3		100
27) 7029 Ethyl Acetate	10.868	70	529119	22.08	UG/M3		98
28) 7065 Chloroform	11.297	83	3380779	27.09	UG/M3		100
29) 7032 Tetrahydrofuran	11.309	42	1791288	17.00	UG/M3		99
31) 7075 1,1,1-Trichloroet...	11.670	97	3566689	30.38	UG/M3		100
32) 7013 Cyclohexane	11.804	56	3262018	19.11	UG/M3		100
33) 7080 Carbon Tetrachloride	11.963	117	3632793	35.77	UG/M3		99
34) 7070 1,2-Dichloroethane	12.257	62	2076381	23.49	UG/M3		100
35) 7105 Benzene	12.275	78	5758748	17.92	UG/M3		99
36) 7036 Isooctane (2,2,4-...	12.398	57	9586612	25.88	UG/M3		100
37) 7038 Heptane	12.649	43	3134516	22.82	UG/M3		99
38) 7100 Trichloroethene	13.297	132	2422485	30.25	UG/M3		100
39) 7090 1,2-Dichloropropane	13.658	63	1972628	27.58	UG/M3		100
40) 7043 1,4-Dioxane	13.848	88	1316904	24.01	UG/M3		100
41) 7085 Bromodichloromethane	14.068	83	3977260	36.15	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	2154831	27.96	UG/M3		100

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L6.D
 Acq On : 3 Feb 2011 9:02 pm
 Operator : FW
 Sample : AS020311L6
 Misc : can4016/750ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

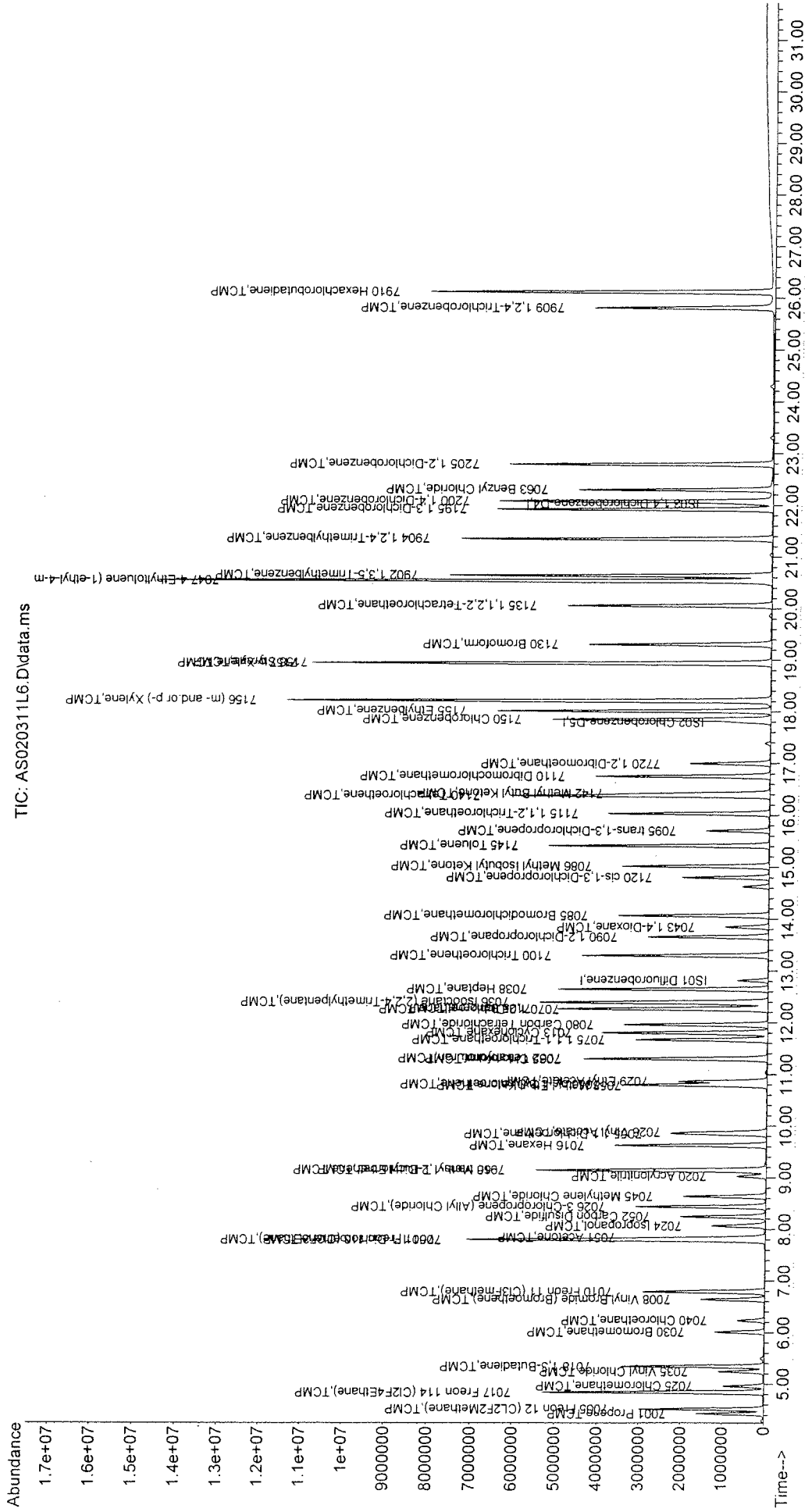
Quant Time: Feb 04 05:19:53 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.022	43	3594723	27.62	UG/M3	100
46) 7145 Toluene	15.420	91	6733405	21.82	UG/M3	100
47) 7095 trans-1,3-Dichlor...	15.701	75	1518981	30.71	UG/M3	99
48) 7115 1,1,2-Trichloroet...	16.038	97	2167619	31.57	UG/M3	99
49) 7140 Tetrachloroethene	16.380	166	3215921	37.14	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.423	43	2818192	29.95	UG/M3	100
51) 7110 Dibromochloromethane	16.754	129	4008414	51.78	UG/M3	100
52) 7720 1,2-Dibromoethane	16.998	107	2342094	46.96	UG/M3	99
53) 7150 Chlorobenzene	17.855	112	5210957	26.94	UG/M3	99
54) 7155 Ethylbenzene	18.014	91	8548415	26.01	UG/M3	99
55) 7156 (m- and.or p-) Xy...	18.216	91	12484312	51.01	UG/M3	98
56) 7157 o-Xylene	18.938	91	6693424	26.13	UG/M3	99
57) 7158 Styrene	18.950	104	4916159	27.98	UG/M3	100
59) 7130 Bromoform	19.311	173	3811783	70.98	UG/M3	100
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	4562800	42.75	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.541	105	17153719	56.24	UG/M3	96
63) 7902 1,3,5-Trimethylbe...	20.645	105	7877093	30.15	UG/M3	100
64) 7904 1,2,4-Trimethylbe...	21.354	105	7675483	32.02	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	5259661	37.56	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	5117183	39.02	UG/M3	100
67) 7063 Benzyl Chloride	22.302	91	6387363	41.16	UG/M3	99
68) 7205 1,2-Dichlorobenzene	22.792	111	2048801	37.85	UG/M3	100
69) 7909 1,2,4-Trichlorobe...	25.814	180	2673686	52.82	UG/M3	100
70) 7910 Hexachlorobutadiene	26.120	227	1860752	62.29	UG/M3	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : AS020311L6.D
 Acq On : 3 Feb 2011 9:02 pm
 Operator : FW
 Sample : AS020311L6
 Misc : can4016/750ccP4/0121308
 ALS Vial : 88 Sample Multiplier: 1

Quant Time: Feb 04 05:19:53 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R2.D
 Acq On : 3 Feb 2011 9:51 pm
 Operator : FW
 Sample : LB020311R2
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 04 05:21:11 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.814	114	968564	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	775102	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	299018	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
/ 2) 7001 Propene	4.426	41	25224	0.18	UG/M3		97
3) 7005 Freon 12 (CL2F2Me...	0.000		0		N.D.		
4) 7017 Freon 114 (Cl2F4E...	0.000		0		N.D.		
5) 7025 Chloromethane	0.000		0		N.D.		
6) 7035 Vinyl Chloride	0.000		0		N.D.		
7) 7018 1,3-Butadiene	0.000		0		N.D.		
8) 7030 Bromomethane	0.000		0		N.D.		
9) 7040 Chloroethane	0.000		0		N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0		N.D.		
11) 7010 Freon 11 (Cl3Fmet...	0.000		0		N.D.		
12) 7011 Freon 113 (Cl3F3E...	0.000		0		N.D.		
13) 7050 1,1-Dichloroethene	0.000		0		N.D.		
14) 7051 Acetone	7.865	43	70239	0.43	UG/M3		99
15) 7024 Isopropanol	8.109	45	38764	0.23	UG/M3		82
16) 7052 Carbon Disulfide	0.000		0		N.D.		
17) 7026 3-Chloropropene (...)	0.000		0		N.D.		
18) 7045 Methylene Chloride	0.000		0		N.D.		
19) 7020 Acrylonitrile	0.000		0		N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0		N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0		N.D.		
22) 7016 Hexane	0.000		0		N.D.		
23) 7055 1,1-Dichloroethane	0.000		0		N.D.		
24) 7028 Vinyl Acetate	0.000		0		N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0		N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0		N.D.		
27) 7029 Ethyl Acetate	0.000		0		N.D.		
28) 7065 Chloroform	0.000		0		N.D.		
29) 7032 Tetrahydrofuran	0.000		0		N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0		N.D.		
32) 7013 Cyclohexane	0.000		0		N.D.		
33) 7080 Carbon Tetrachloride	0.000		0		N.D.		
34) 7070 1,2-Dichloroethane	0.000		0		N.D.		
35) 7105 Benzene	12.269	78	6086	0.02	UG/M3#		52
36) 7036 Isooctane (2,2,4-...	0.000		0		N.D.		
37) 7038 Heptane	0.000		0		N.D.		
38) 7100 Trichloroethene	0.000		0		N.D.		
39) 7090 1,2-Dichloropropane	0.000		0		N.D.		
40) 7043 1,4-Dioxane	0.000		0		N.D.		
41) 7085 Bromodichloromethane	0.000		0		N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0		N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R2.D
 Acq On : 3 Feb 2011 9:51 pm
 Operator : FW
 Sample : LB020311R2
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

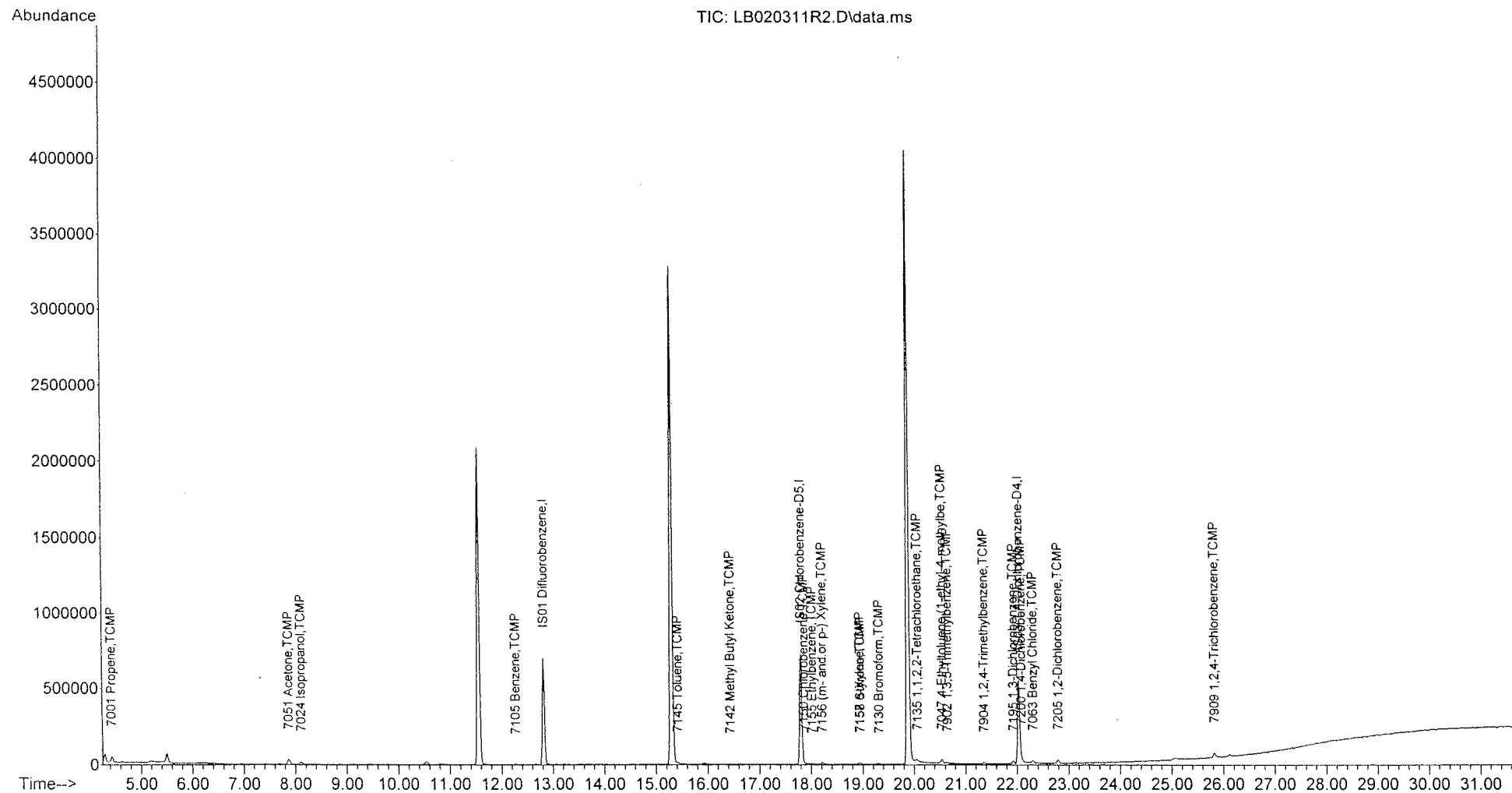
Quant Time: Feb 04 05:21:11 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	8155	0.03	UG/M3	89
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	16.436	43	3781	0.04	UG/M3#	27
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	17.855	112	4106	0.02	UG/M3#	42
54) 7155 Ethylbenzene	18.014	91	7673	0.02	UG/M3#	48
55) 7156 (m- and.or p-) Xy...	18.210	91	12120	0.05	UG/M3#	73
56) 7157 o-Xylene	18.938	91	6842	0.03	UG/M3#	28
57) 7158 Styrene	18.950	104	5583	0.03	UG/M3#	25
59) 7130 Bromoform	19.311	173	5364	0.12	UG/M3#	27
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	6313	0.07	UG/M3#	87
62) 7047 4-Ethyltoluene (1...	20.541	105	29461	0.11	UG/M3	88
63) 7902 1,3,5-Trimethylbe...	20.645	105	8874	0.04	UG/M3#	84
64) 7904 1,2,4-Trimethylbe...	21.354	105	12600	0.06	UG/M3	88
65) 7195 1,3-Dichlorobenzene	21.923	146	16852	0.14	UG/M3	95
66) 7200 1,4-Dichlorobenzene	22.082	146	19501	0.17	UG/M3	96
67) 7063 Benzyl Chloride	22.302	91	24288	0.18	UG/M3#	85
68) 7205 1,2-Dichlorobenzene	22.792	111	7477	0.16	UG/M3	91
69) 7909 1,2,4-Trichlorobe...	25.820	180	26264	0.63	UG/M3	98
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R2.D
 Acq On : 3 Feb 2011 9:51 pm
 Operator : FW
 Sample : LB020311R2
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 04 05:21:11 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration



InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : ICV020311R1.D
 Acq On : 3 Feb 2011 10:40 pm
 Operator : FW
 Sample : ICV020311R1
 Misc : can ~~4018~~ / 500ccS1 / ~~101050T~~
 ALS Vial : 16 ⁴¹³³ Sample Multiplier: 1

Quant Time: Feb 04 05:23:06 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.814	114	967019	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	792230	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	328370	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	16.381	98	26739	0.00	% Rec	0.00
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
						Qvalue
2) 7001 Propene	4.427	41	296097	2.09	UG/M3	100
3) 7005 Freon 12 (CL2F2Me...	4.518	85	949880	5.69	UG/M3	100
4) 7017 Freon 114 (Cl2F4E...	4.843	85	1058064	8.01	UG/M3	98
5) 7025 Chloromethane	4.965	50	320758	2.22	UG/M3	100
6) 7035 Vinyl Chloride	5.246	62	376088	2.98	UG/M3	100
7) 7018 1,3-Butadiene	5.344	54	584533	5.05	UG/M3	99
8) 7030 Bromomethane	6.011	94	302997	4.97	UG/M3	99
9) 7040 Chloroethane	6.237	64	204701	3.13	UG/M3	99
10) 7008 Vinyl Bromide (Br...	6.641	106	362617	4.96	UG/M3	100
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	915406	6.73	UG/M3	99
12) 7011 Freon 113 (Cl3F3E...	7.804	101	761565	8.80	UG/M3	99
13) 7050 1,1-Dichloroethene	7.797	61	535667	4.58	UG/M3	99
14) 7051 Acetone	7.846	43	440615	2.71	UG/M3	99
15) 7024 Isopropanol	8.085	45	591578	3.57	UG/M3	97
16) 7052 Carbon Disulfide	8.244	76	957096	3.43	UG/M3	99
17) 7026 3-Chloropropene (...)	8.440	41	673262	6.96	UG/M3	100
18) 7045 Methylene Chloride	8.642	49	358124	4.01	UG/M3	100
19) 7020 Acrylonitrile	9.027	53	161688	2.51	UG/M3	97
20) 7915 Methyl T-Butyl Ether	9.156	73	1034489	4.74	UG/M3	100
21) 7060 trans-1,2-Dichlor...	9.143	61	493110	4.29	UG/M3	100
22) 7016 Hexane	9.627	57	624627	3.97	UG/M3	99
23) 7055 1,1-Dichloroethane	9.847	63	650460	4.83	UG/M3	99
24) 7028 Vinyl Acetate	9.884	43	603892	5.02	UG/M3	99
25) 7058 Methyl Ethyl Ketone	10.789	72	168529	3.64	UG/M3	99
26) 7056 cis-1,2-Dichloroe...	10.801	96	387554	4.76	UG/M3	99
27) 7029 Ethyl Acetate	10.868	70	95469	4.09	UG/M3	98
28) 7065 Chloroform	11.297	83	708161	5.83	UG/M3	99
29) 7032 Tetrahydrofuran	11.315	42	343066	3.44	UG/M3	99
31) 7075 1,1,1-Trichloroet...	11.670	97	734576	6.46	UG/M3	100
32) 7013 Cyclohexane	11.804	56	643592	3.89	UG/M3	100
33) 7080 Carbon Tetrachloride	11.957	117	731948	7.48	UG/M3	98
34) 7070 1,2-Dichloroethane	12.257	62	419156	4.92	UG/M3	100
35) 7105 Benzene	12.276	78	1211328	3.87	UG/M3	99
36) 7036 Isooctane (2,2,4-...	12.392	57	1937324	5.39	UG/M3	99
37) 7038 Heptane	12.649	43	620848	4.73	UG/M3	99
38) 7100 Trichloroethene	13.297	132	493436	6.40	UG/M3	99
39) 7090 1,2-Dichloropropane	13.658	63	396752	5.69	UG/M3	100
40) 7043 1,4-Dioxane	13.860	88	234215	4.37	UG/M3	99
41) 7085 Bromodichloromethane	14.068	83	729097	6.82	UG/M3	99
43) 7120 cis-1,3-Dichlorop...	14.808	75	477044	6.35	UG/M3	100

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : ICV020311R1.D
 Acq On : 3 Feb 2011 10:40 pm
 Operator : FW
 Sample : ICV020311R1
 Misc : can4018/500ccS1/1010501
 ALS Vial : 16 Sample Multiplier: 1

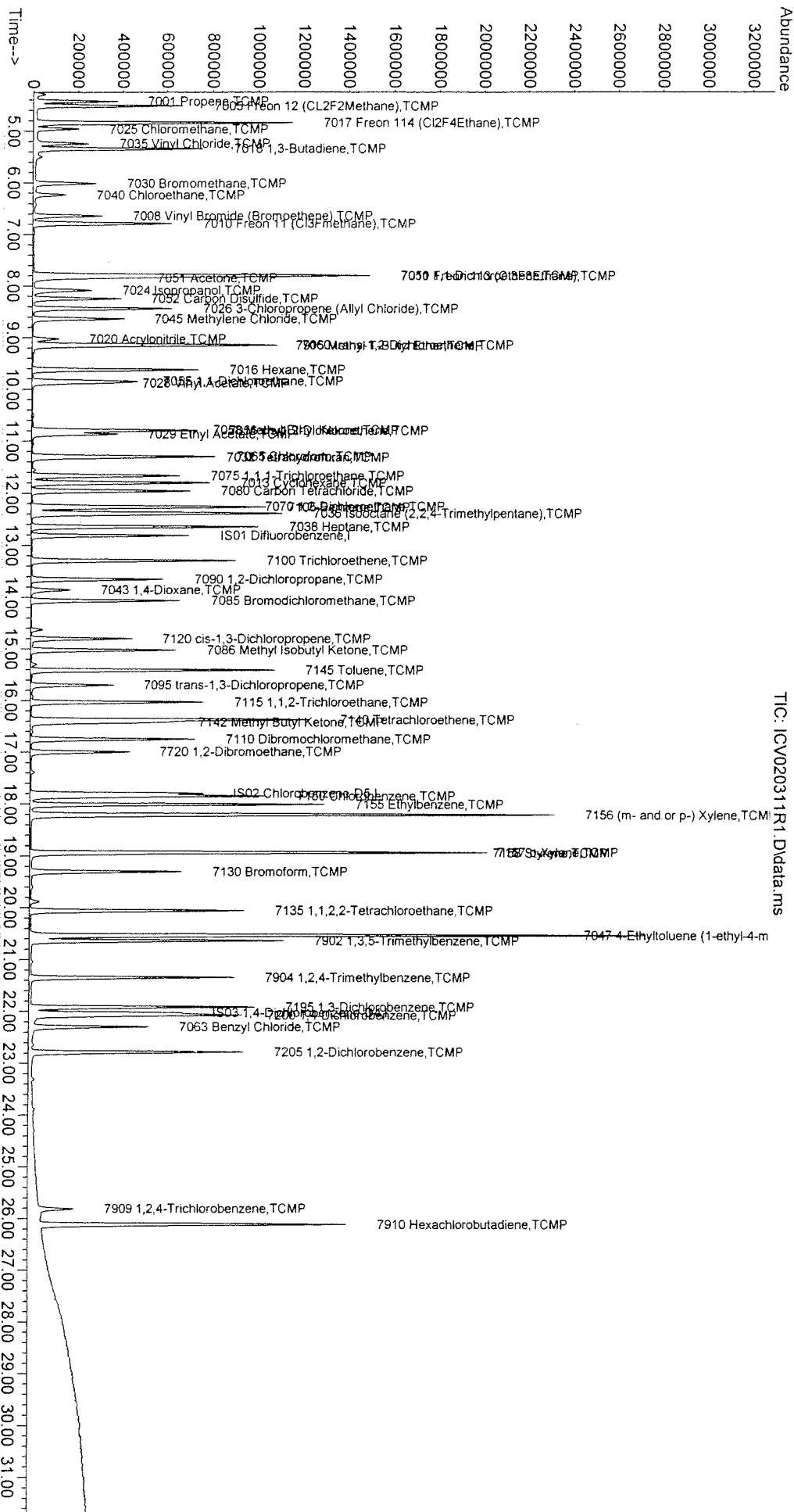
Quant Time: Feb 04 05:23:06 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.029	43	670061	5.43	UG/M3	100
46) 7145 Toluene	15.414	91	1391110	4.63	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.701	75	382430	7.95	UG/M3	99
48) 7115 1,1,2-Trichloroet...	16.038	97	432900	6.47	UG/M3	100
49) 7140 Tetrachloroethene	16.381	166	657176	8.04	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.429	43	595028	6.69	UG/M3	99
51) 7110 Dibromochloromethane	16.754	129	689583	9.26	UG/M3	99
52) 7720 1,2-Dibromoethane	16.998	107	545302	11.25	UG/M3	99
53) 7150 Chlorobenzene	17.855	112	1033547	5.51	UG/M3	98
54) 7155 Ethylbenzene	18.014	91	1707885	5.33	UG/M3	99
55) 7156 (m- and.or p-) Xy...	18.216	91	2536578	10.63	UG/M3	97
56) 7157 o-Xylene	18.938	91	1298391	5.22	UG/M3	100
57) 7158 Styrene	18.950	104	857822	5.07	UG/M3	99
59) 7130 Bromoform	19.311	173	570071	11.48	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	870343	8.59	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.541	105	3253639	11.28	UG/M3	93
63) 7902 1,3,5-Trimethylbe...	20.645	105	1161463	4.70	UG/M3	97
64) 7904 1,2,4-Trimethylbe...	21.354	105	943779	4.17	UG/M3	97
65) 7195 1,3-Dichlorobenzene	21.923	146	799572	6.11	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	701952	5.73	UG/M3	99
67) 7063 Benzyl Chloride	22.302	91	736837	4.96	UG/M3	98
68) 7205 1,2-Dichlorobenzene	22.792	111	307610	6.03	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	108628	2.35	UG/M3	99
70) 7910 Hexachlorobutadiene	26.120	227	308352	11.80	UG/M3	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020311\
Data File : ICV020311R1.D
Acq On : 3 Feb 2011 10:40 pm
Operator : FW
Sample : ICV020311R1
Misc : can4018/500ccS1/1010501
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 04 05:23:06 2011
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15
Quant Update : Fri Feb 04 05:20:49 2011
Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R3.D
 Acq On : 3 Feb 2011 11:29 pm
 Operator : FW
 Sample : LB020311R3
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 04 05:29:53 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.814	114	972071	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	775236	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	291774	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
						Qvalue
2) 7001 Propene	4.433	41	25311	0.18	UG/M3	94
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	3536	0.02	UG/M3#	49
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.		
5) 7025 Chloromethane	0.000		0	N.D.		
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	0.000		0	N.D.		
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.		
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.871	43	70196	0.43	UG/M3	96
15) 7024 Isopropanol	8.109	45	37179	0.22	UG/M3	78
16) 7052 Carbon Disulfide	0.000		0	N.D.		
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	0.000		0	N.D.		
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	0.000		0	N.D.		
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	0.000		0	N.D.		
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.269	78	6305	0.02	UG/M3#	52
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.		
37) 7038 Heptane	12.673	43	3056	0.02	UG/M3#	18
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R3.D
 Acq On : 3 Feb 2011 11:29 pm
 Operator : FW
 Sample : LB020311R3
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

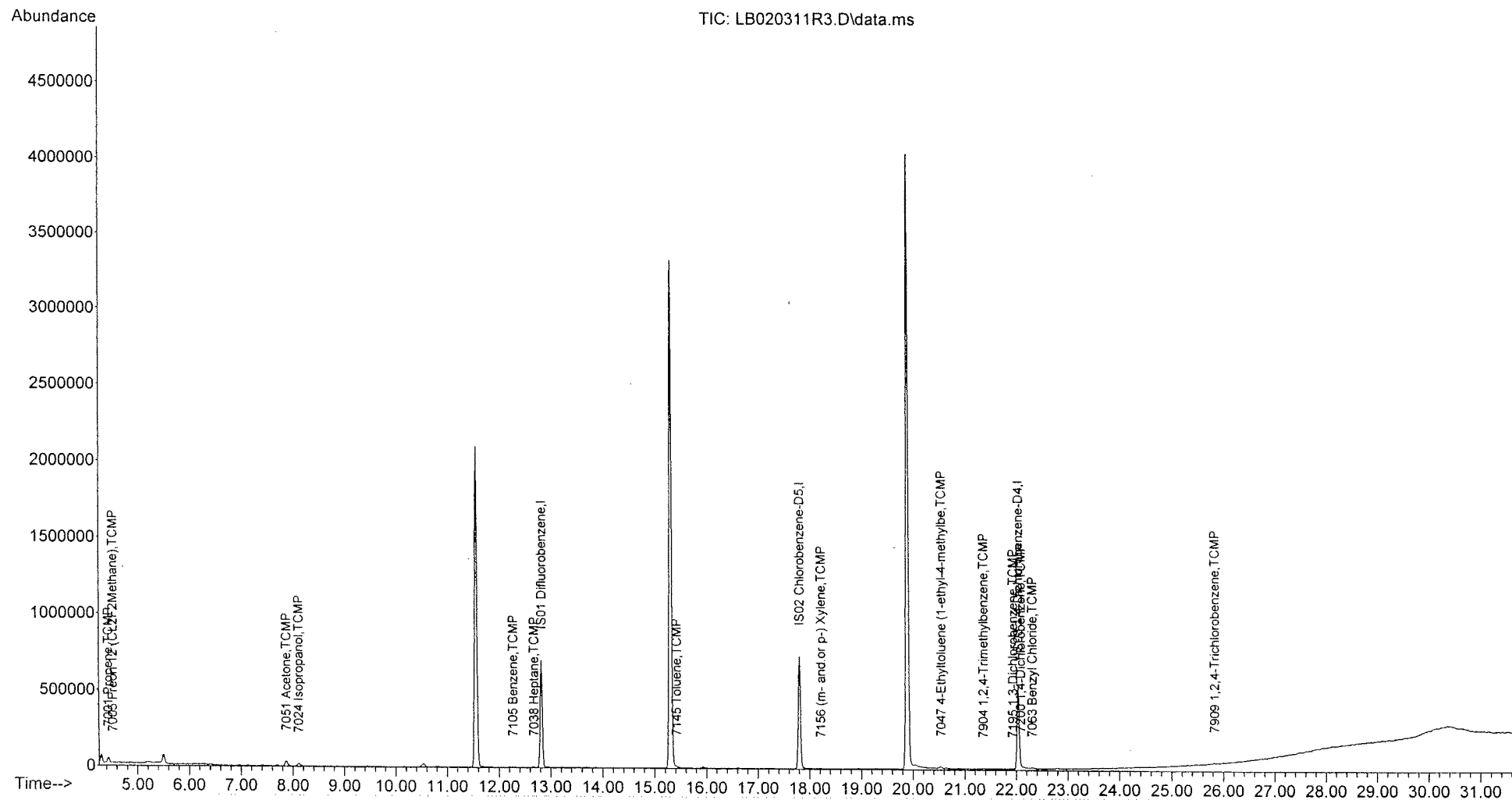
Quant Time: Feb 04 05:29:53 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	6081	0.02	UG/M3	94
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	0.000		0		N.D.	
55) 7156 (m- and.or p-) Xy...	18.216	91	4674	0.02	UG/M3#	33
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	20.541	105	8048	0.03	UG/M3#	39
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	21.354	105	3115	0.02	UG/M3#	28
65) 7195 1,3-Dichlorobenzene	21.929	146	4320	0.04	UG/M3#	70
66) 7200 1,4-Dichlorobenzene	22.082	146	5060	0.05	UG/M3#	79
67) 7063 Benzyl Chloride	22.303	91	7091	0.05	UG/M3#	59
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	25.826	180	3827	0.09	UG/M3#	12
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R3.D
 Acq On : 3 Feb 2011 11:29 pm
 Operator : FW
 Sample : LB020311R3
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 04 05:29:53 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:49 2011
 Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BLK3.D
 Acq On : 4 Feb 2011 1:56 am
 Operator : FW
 Sample : 1102004-BLK3
 Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 06:16:24 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	963103	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	772873	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	293162	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
						Qvalue
2) 7001 Propene	4.433	41	23180	0.16	UG/M3	92
3) 7005 Freon 12 (CL2F2Me...	4.518	85	3587	0.02	UG/M3#	49
4) 7017 Freon 114 (Cl2F4E...	0.000		0		N.D.	
5) 7025 Chloromethane	0.000		0		N.D.	
6) 7035 Vinyl Chloride	0.000		0		N.D.	
7) 7018 1,3-Butadiene	0.000		0		N.D.	
8) 7030 Bromomethane	0.000		0		N.D.	
9) 7040 Chloroethane	0.000		0		N.D.	
10) 7008 Vinyl Bromide (Br...	0.000		0		N.D.	
11) 7010 Freon 11 (Cl3Fmet...	0.000		0		N.D.	
12) 7011 Freon 113 (Cl3F3E...	0.000		0		N.D.	
13) 7050 1,1-Dichloroethene	0.000		0		N.D.	
14) 7051 Acetone	7.877	43	24799	0.15	UG/M3	89
15) 7024 Isopropanol	8.115	45	32715	0.19	UG/M3	86
16) 7052 Carbon Disulfide	0.000		0		N.D.	
17) 7026 3-Chloropropene (...)	0.000		0		N.D.	
18) 7045 Methylene Chloride	0.000		0		N.D.	
19) 7020 Acrylonitrile	0.000		0		N.D.	
20) 7915 Methyl T-Butyl Ether	0.000		0		N.D.	
21) 7060 trans-1,2-Dichlor...	0.000		0		N.D.	
22) 7016 Hexane	0.000		0		N.D.	
23) 7055 1,1-Dichloroethane	0.000		0		N.D.	
24) 7028 Vinyl Acetate	0.000		0		N.D.	
25) 7058 Methyl Ethyl Ketone	0.000		0		N.D.	
26) 7056 cis-1,2-Dichloroe...	0.000		0		N.D.	
27) 7029 Ethyl Acetate	0.000		0		N.D.	
28) 7065 Chloroform	0.000		0		N.D.	
29) 7032 Tetrahydrofuran	0.000		0		N.D.	
31) 7075 1,1,1-Trichloroet...	0.000		0		N.D.	
32) 7013 Cyclohexane	0.000		0		N.D.	
33) 7080 Carbon Tetrachloride	0.000		0		N.D.	
34) 7070 1,2-Dichloroethane	0.000		0		N.D.	
35) 7105 Benzene	12.269	78	6558	0.02	UG/M3#	53
36) 7036 Isooctane (2,2,4-...	0.000		0		N.D.	
37) 7038 Heptane	0.000		0		N.D.	
38) 7100 Trichloroethene	0.000		0		N.D.	
39) 7090 1,2-Dichloropropane	0.000		0		N.D.	
40) 7043 1,4-Dioxane	0.000		0		N.D.	
41) 7085 Bromodichloromethane	0.000		0		N.D.	
43) 7120 cis-1,3-Dichlorop...	0.000		0		N.D.	

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BLK3.D
 Acq On : 4 Feb 2011 1:56 am
 Operator : FW
 Sample : 1102004-BLK3
 Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
 ALS Vial : 4 Sample Multiplier: 1

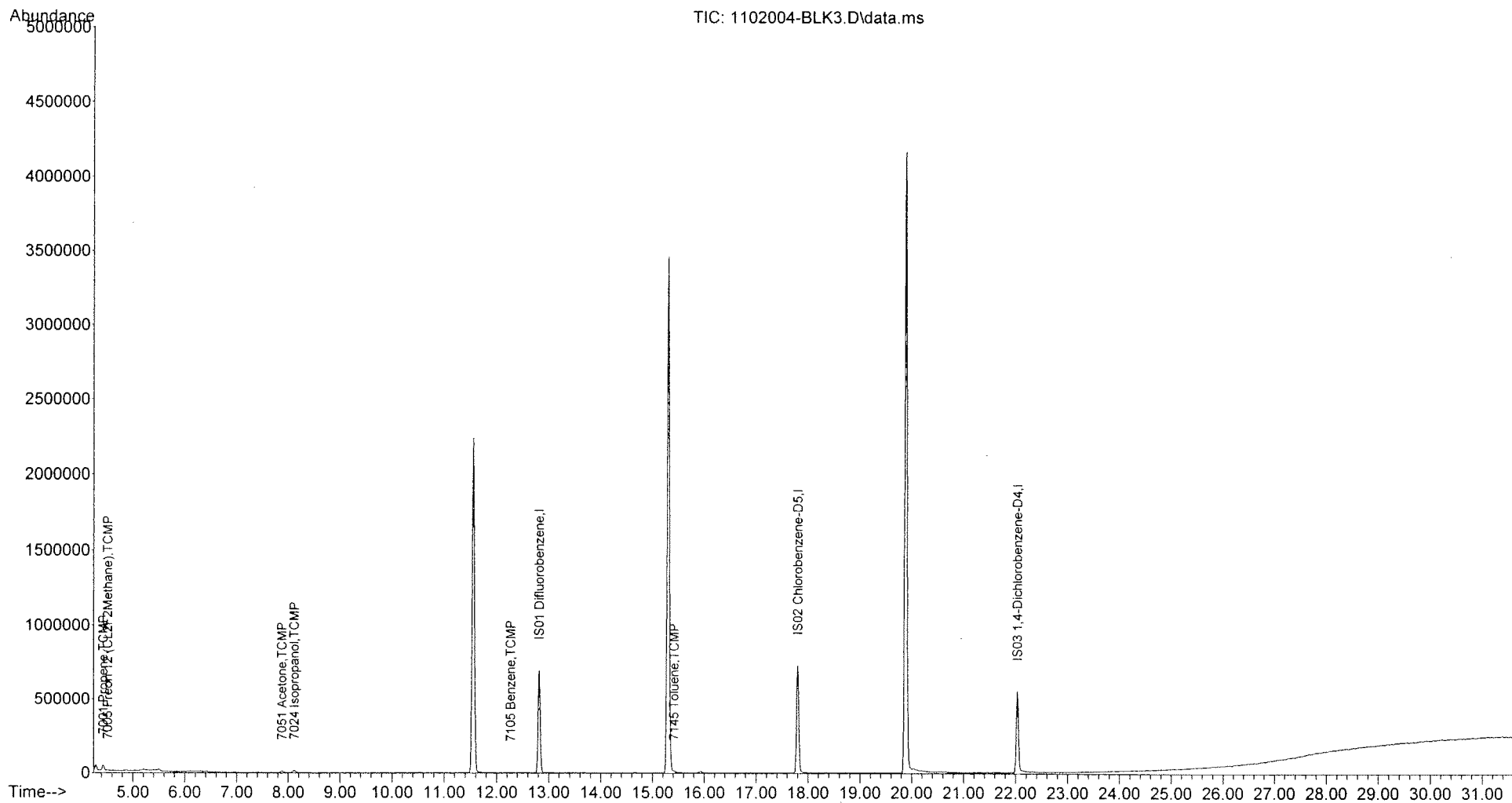
Quant Time: Feb 04 06:16:24 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	5890	0.02	UG/M3	96
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	0.000		0		N.D.	
55) 7156 (m- and.or p-) Xy...	0.000		0		N.D.	
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	0.000		0		N.D.	
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	0.000		0		N.D.	
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BLK3.D
 Acq On : 4 Feb 2011 1:56 am
 Operator : FW
 Sample : 1102004-BLK3
 Misc : YellowBluff MthBlk, cn2771, 500cc, fp=30
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 06:16:24 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BLK3.D
 Acq On : 4 Feb 2011 1:56 am
 Operator : FW
 Sample : 1102004-BLK3
 Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
 ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: 1102004-BLK3.D\data.ms

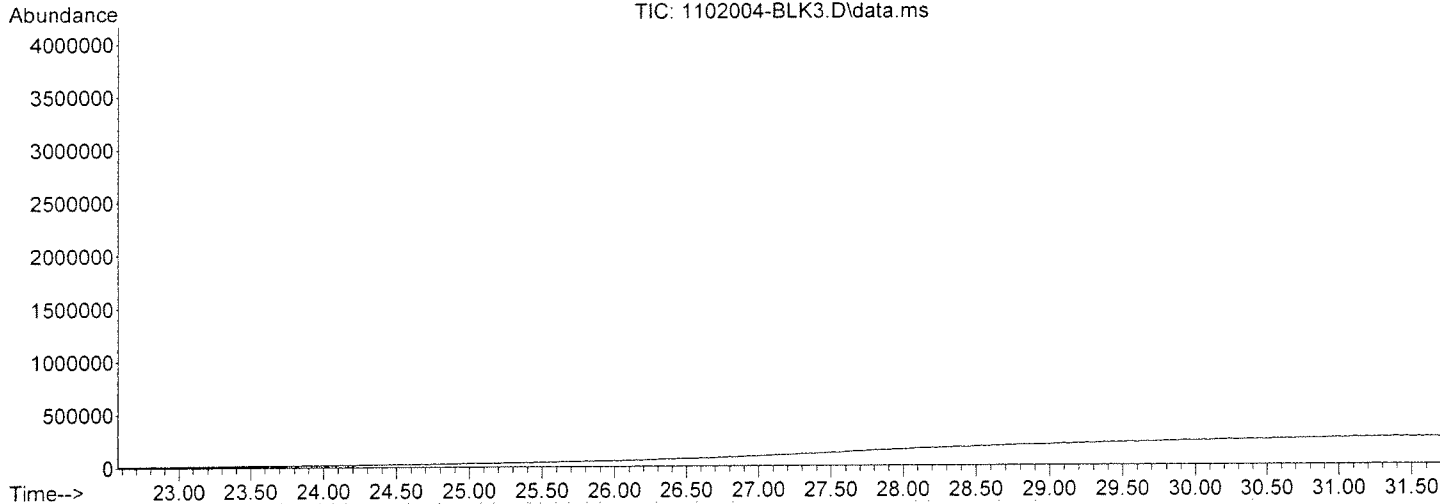
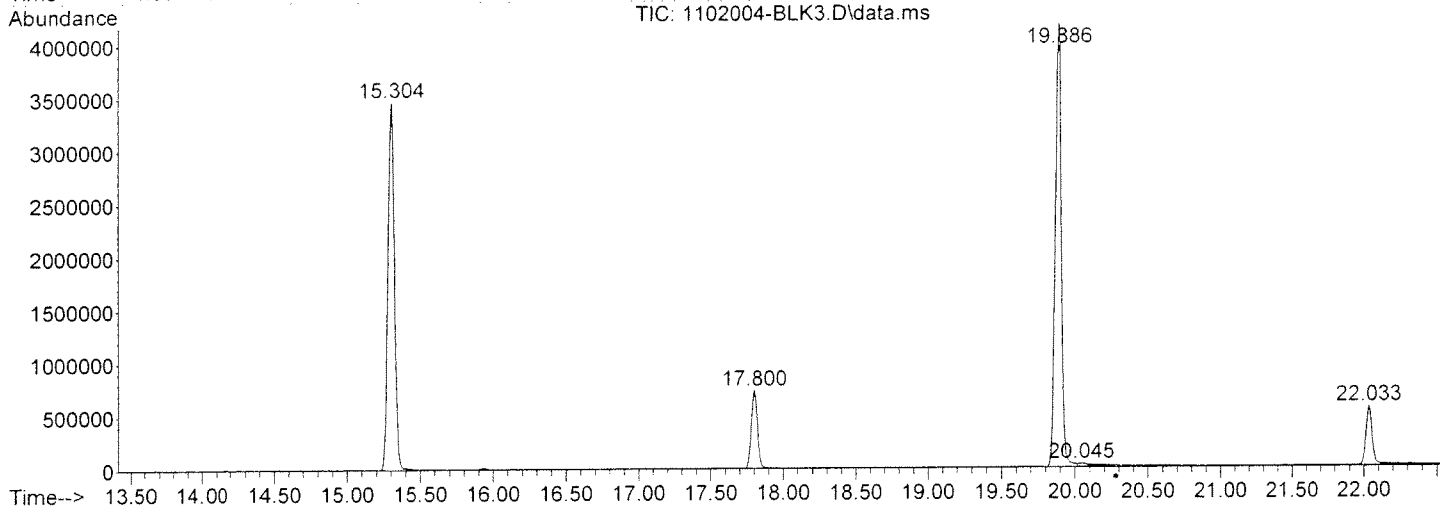
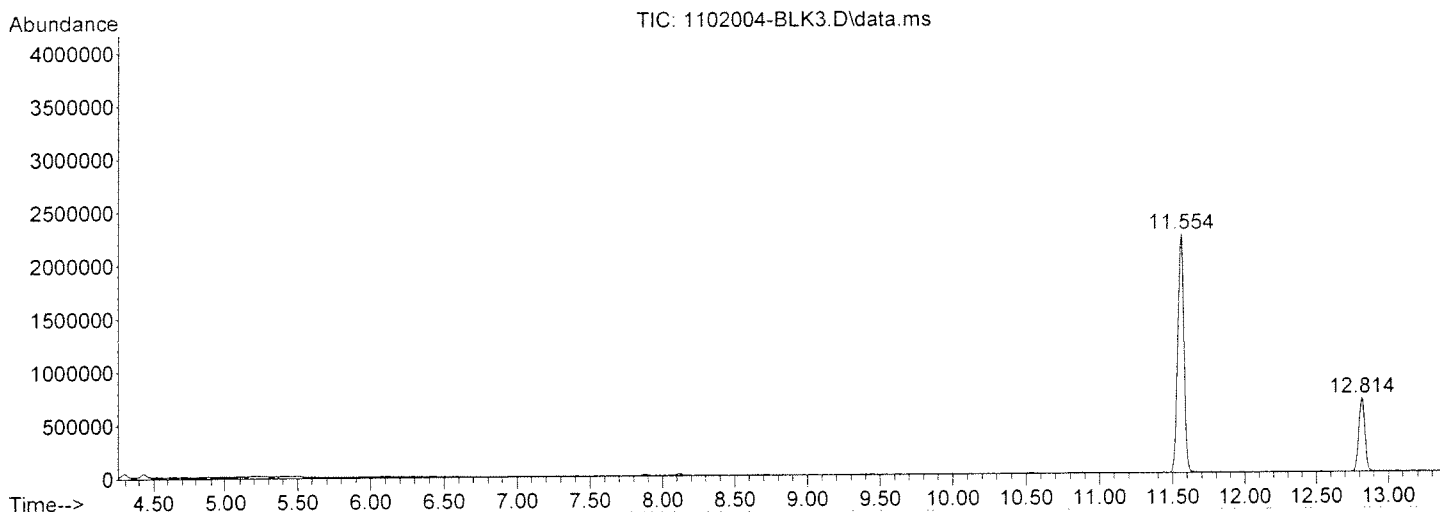
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.554	1181	1195	1226	rBV	2239699	6808603	55.52%	19.162%
2	12.814	1384	1401	1419	rBV	690932	2011474	16.40%	5.661%
3	15.304	1793	1808	1840	rBV2	3463056	10453278	85.24%	29.420%
4	17.800	2204	2216	2239	rBV	727931	2134746	17.41%	6.008%
5	19.886	2541	2557	2578	rBV	4168836	12263098	100.00%	34.514%
6	20.045	2578	2583	2628	rVB9	23096	192366	1.57%	0.541%
7	22.033	2897	2908	2937	rBV	550107	1667362	13.60%	4.693%

Sum of corrected areas: 35530927

Data Path : C:\msdchem\1\DATA\020311\
Data File : 1102004-BLK3.D
Acq On : 4 Feb 2011 1:56 am
Operator : FW
Sample : 1102004-BLK3
Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Data Path : C:\msdchem\1\DATA\020311\
Data File : 1102004-BLK3.D
Acq On : 4 Feb 2011 1:56 am
Operator : FW
Sample : 1102004-BLK3
Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-BLK3.D
 Acq On : 4 Feb 2011 1:56 am
 Operator : FW
 Sample : 1102004-BLK3
 Misc : YellowBluff MthBlk,cn2771,500cc,fp=30
 ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--		
					#	RT	Resp Conc

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-01.D
 Acq On : 4 Feb 2011 3:34 am
 Operator : FW
 Sample : E110601-01
 Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 06:15:43 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	939403	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	762565	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	294658	30.00	UG/M3	0.00

System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 7001 Propene	4.427	41	22451	0.16	UG/M3#	49 61K
3) 7005 Freon 12 (CL2F2Me...	4.512	85	3033	0.02	UG/M3#	49
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.		
5) 7025 Chloromethane	0.000		0	N.D.		
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	0.000		0	N.D.		
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.		
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.877	43	24753	0.15	UG/M3	61K
15) 7024 Isopropanol	8.116	45	32545	0.20	UG/M3	85
16) 7052 Carbon Disulfide	8.244	76	4637	0.02	UG/M3#	74
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	0.000		0	N.D.		
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	0.000		0	N.D.		
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	0.000		0	N.D.		
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.276	78	5619	0.02	UG/M3#	53
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.		
37) 7038 Heptane	0.000		0	N.D.		
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-01.D
 Acq On : 4 Feb 2011 3:34 am
 Operator : FW
 Sample : E110601-01
 Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
 ALS Vial : 6 Sample Multiplier: 1

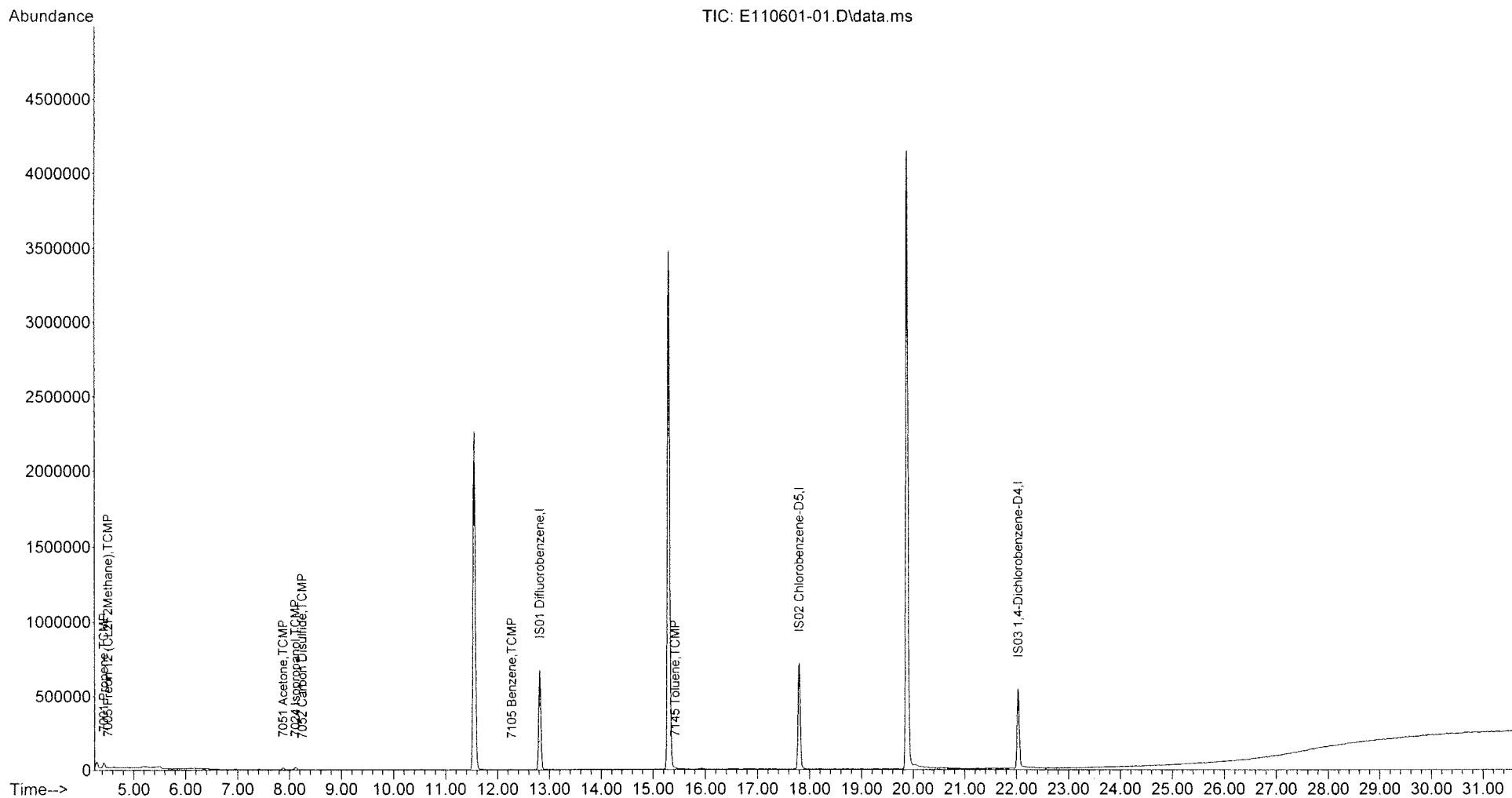
Quant Time: Feb 04 06:15:43 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.420	91	6034	0.02	UG/M3	91
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	0.000		0		N.D.	
55) 7156 (m- and/or p-) Xy...	0.000		0		N.D.	
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	0.000		0		N.D.	
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	0.000		0		N.D.	
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-01.D
 Acq On : 4 Feb 2011 3:34 am
 Operator : FW
 Sample : E110601-01
 Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 06:15:43 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-01.D
Acq On : 4 Feb 2011 3:34 am
Operator : FW
Sample : E110601-01
Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.02 Max Peaks: 3
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
Title : TO15

Signal : TIC: E110601-01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.554	1179	1195	1213	rBV	2261203	6835792	55.92%	19.367%
2	12.814	1386	1401	1418	rBV	676639	1956157	16.00%	5.542%
3	15.304	1790	1808	1845	rBV2	3480980	10566625	86.44%	29.937%
4	17.800	2203	2216	2242	rBV	718640	2109849	17.26%	5.978%
5	19.886	2543	2557	2577	rBV	4151968	12223605	100.00%	34.631%
6	22.033	2895	2908	2922	rBV	543351	1604420	13.13%	4.546%

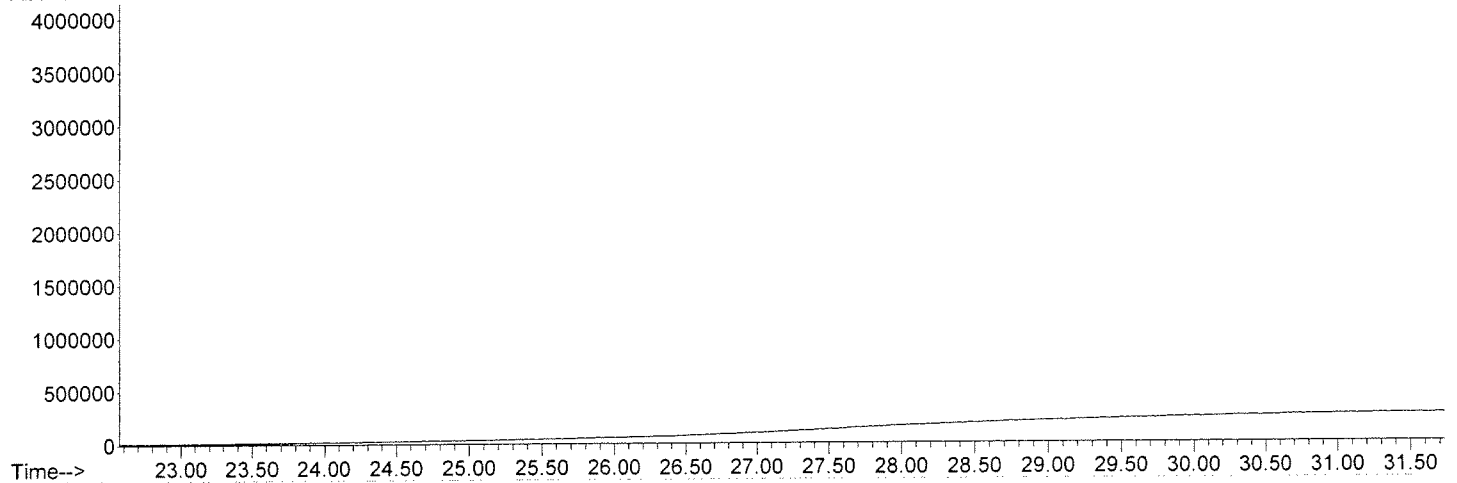
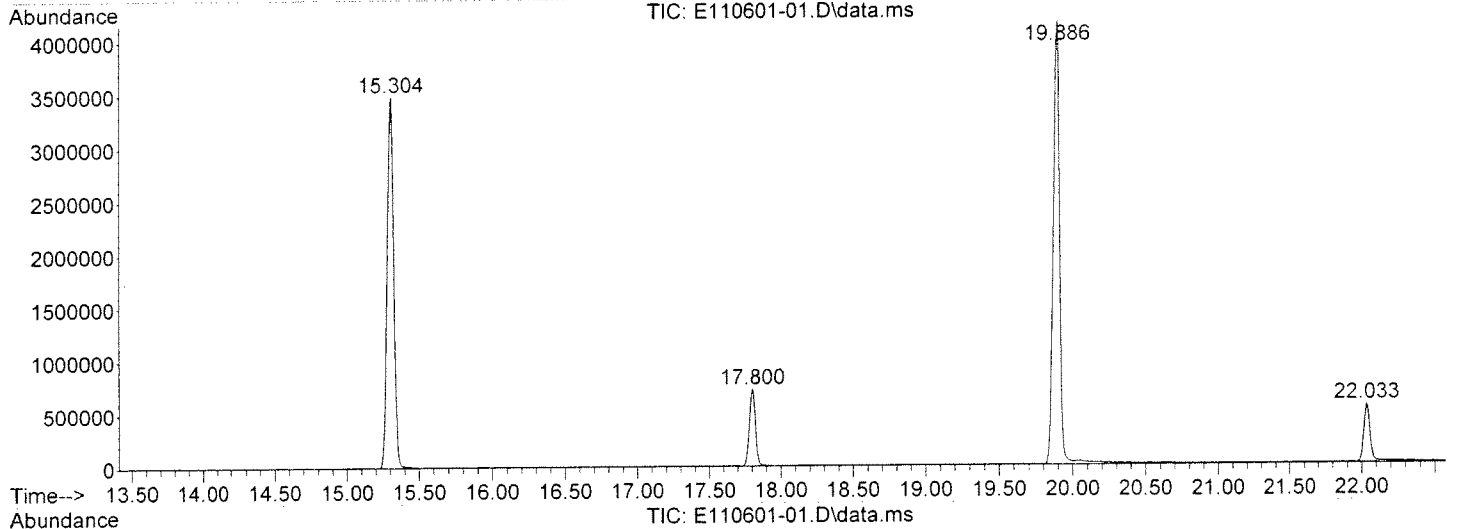
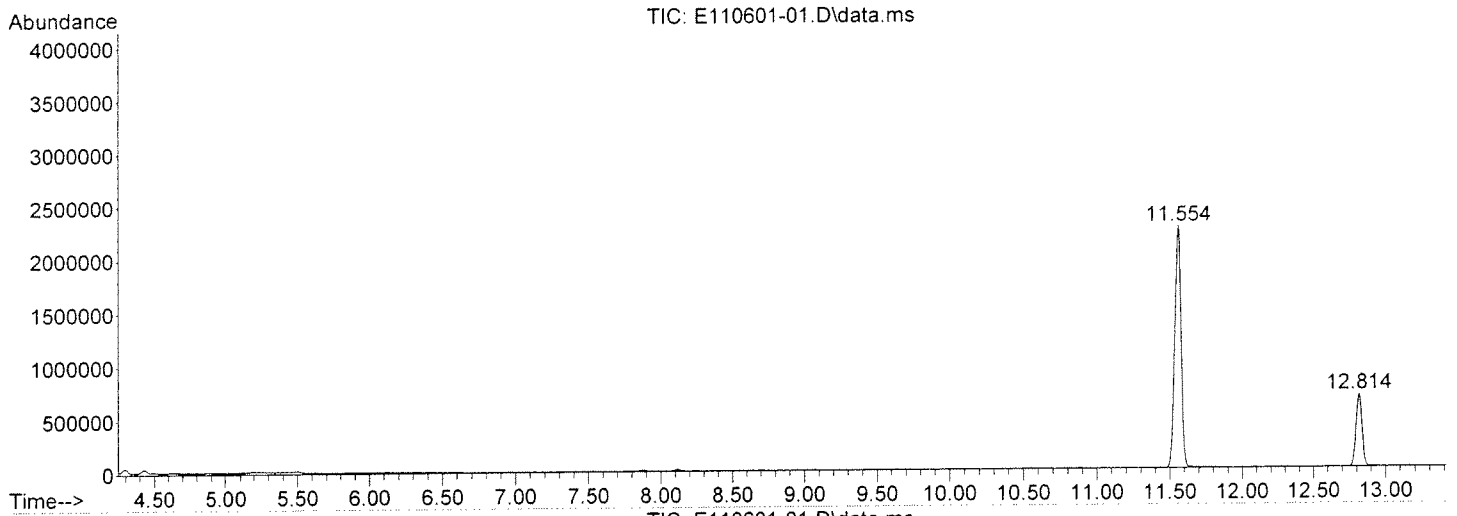
Sum of corrected areas: 35296448

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-01.D
Acq On : 4 Feb 2011 3:34 am
Operator : FW
Sample : E110601-01
Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-01.D
Acq On : 4 Feb 2011 3:34 am
Operator : FW
Sample : E110601-01
Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-01.D
Acq On : 4 Feb 2011 3:34 am
Operator : FW
Sample : E110601-01
Misc : YB TripBlk,cn2776,500cc,ip=13.2,fp=30
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03 *50cc Feb 2-4-11*
 Misc : can5930, 500cc, ip=13.0, fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 06:15:09 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	973134	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	760296	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	284799	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.426	41	28133	0.19	UG/M3#	2584 <i>61K</i>
3) 7005 Freon 12 (CL2F2Me...	4.518	85	22226	0.13	UG/M3#	92
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.		
5) 7025 Chloromethane	4.959	50	7436	0.05	UG/M3#	42
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	8981	0.06	UG/M3	211 <i>111</i>
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.		
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.871	43	33531	0.20	UG/M3	<i>96</i>
15) 7024 Isopropanol	8.109	45	33557	0.20	UG/M3	92 <i>61K</i>
16) 7052 Carbon Disulfide	0.000		0	N.D.		
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	0.000		0	N.D.		
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	0.000		0	N.D.		
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	0.000		0	N.D.		
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.269	78	11704	0.04	UG/M3#	53
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.		
37) 7038 Heptane	0.000		0	N.D.		
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropene	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03
 Misc : can5930,500cc,ip=13.0,fp=30
 ALS Vial : 8 Sample Multiplier: 1

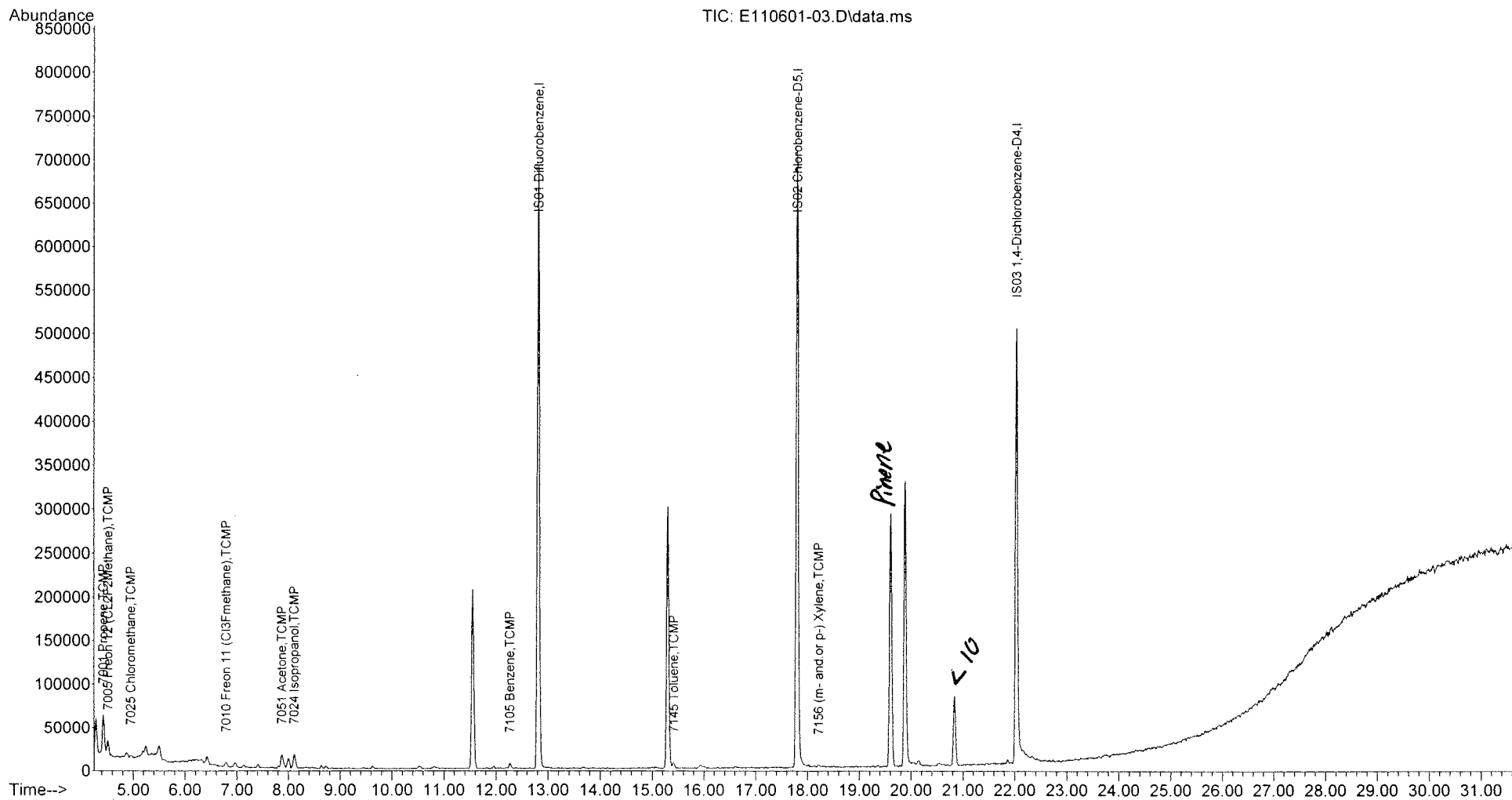
Quant Time: Feb 04 06:15:09 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

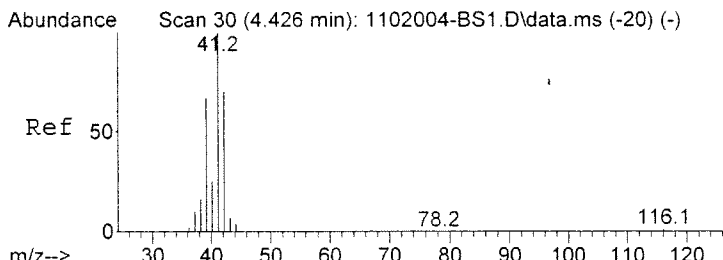
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	9439	0.03	UG/M3	88
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	0.000		0	N.D.		
55) 7156 (m- and/or p-) Xy...	18.216	91	3237	0.01	UG/M3#	34
56) 7157 o-Xylene	0.000		0	N.D.		
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	0.000		0	N.D.		
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03
 Misc : can5930,500cc,ip=13.0,fp=30
 ALS Vial : 8 Sample Multiplier: 1

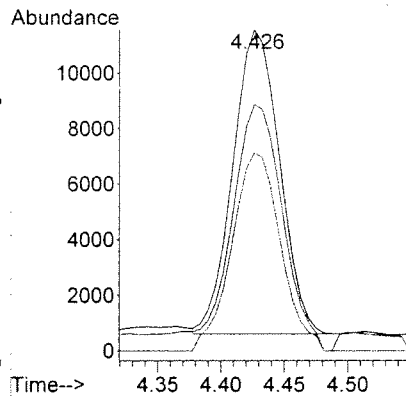
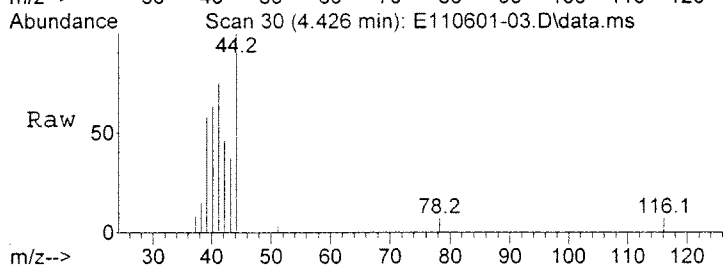
Quant Time: Feb 04 06:15:09 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



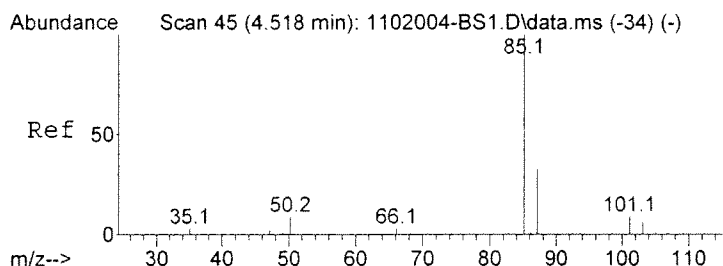
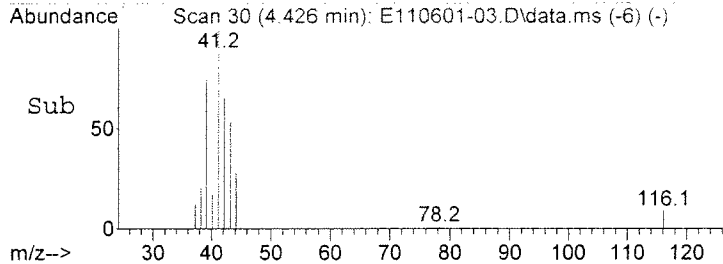


#2
 7001 Propene
 Concen: 0.19 UG/M3
 RT: 4.426 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

Tgt Ion	Ratio	Lower	Upper
41	100		
39	92.8	46.6	86.6#
42	67.7	48.0	88.0

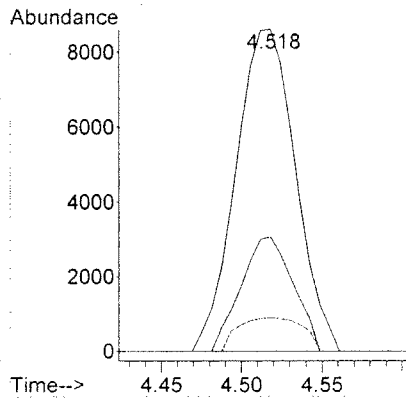
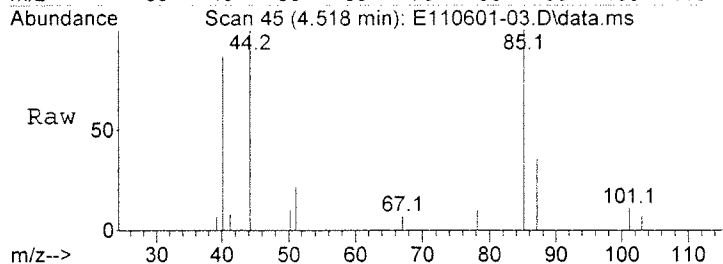


25x b1k

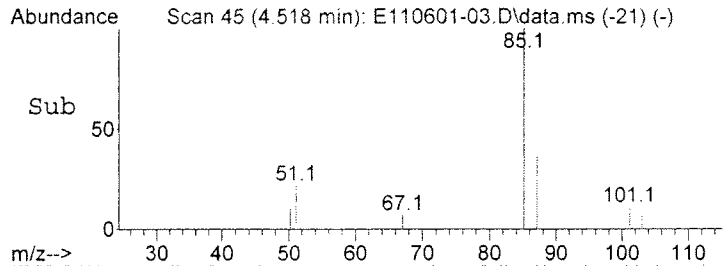


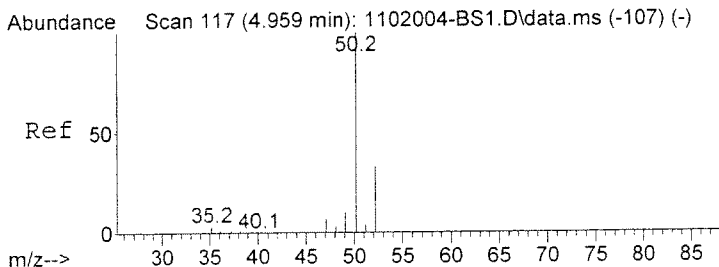
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 0.13 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	12.7	52.7
50	0.0	0.0	29.4



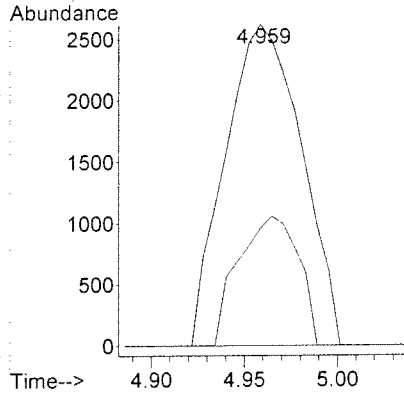
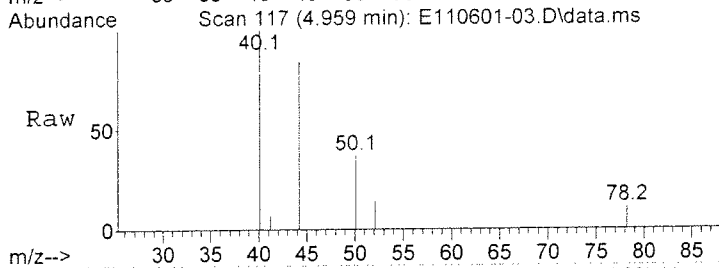
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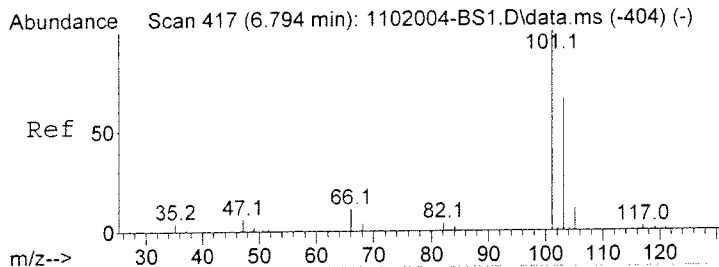
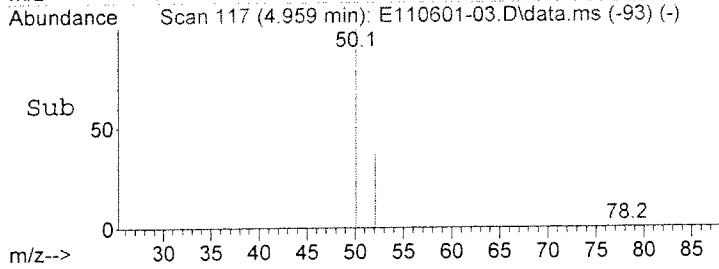


#5
 7025 Chloromethane
 Concen: 0.05 UG/M3
 RT: 4.959 min Scan# 117
 Delta R.T. -0.000 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

Tgt Ion: 50 Resp: 7436
 Ion Ratio Lower Upper
 50 100
 52 0.0 12.8 52.8#

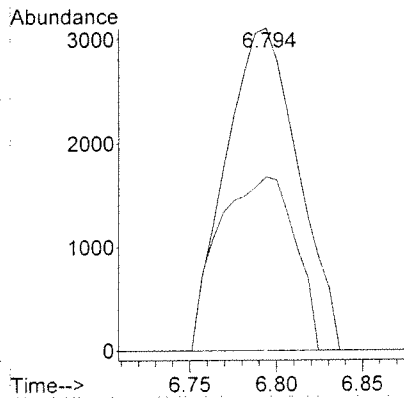
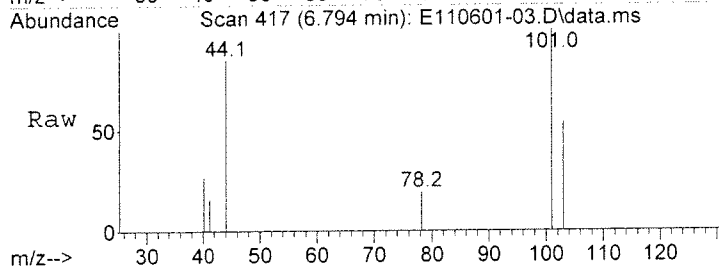


OK

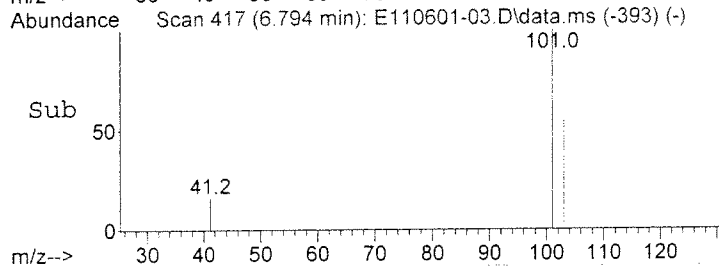


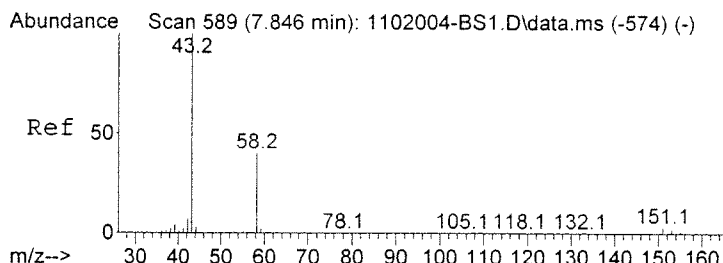
#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.06 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

Tgt Ion: 101 Resp: 8981
 Ion Ratio Lower Upper
 101 100
 103 57.3 44.7 84.7



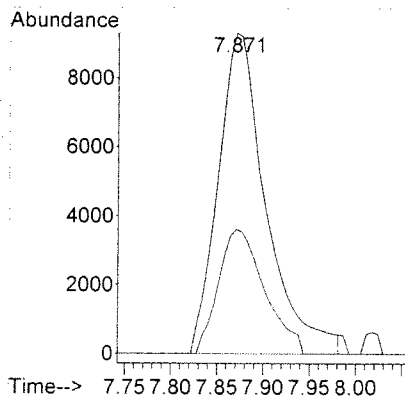
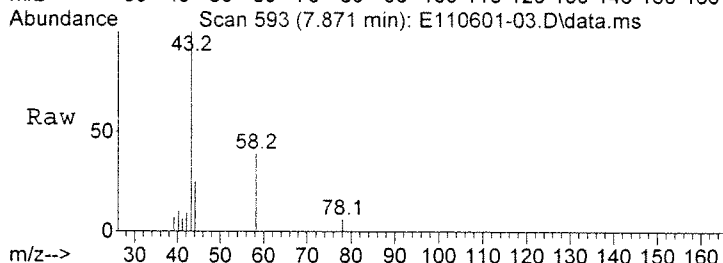
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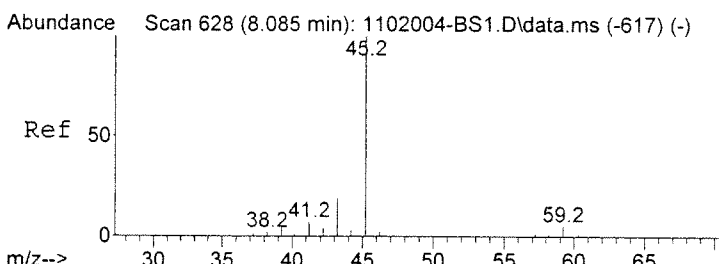
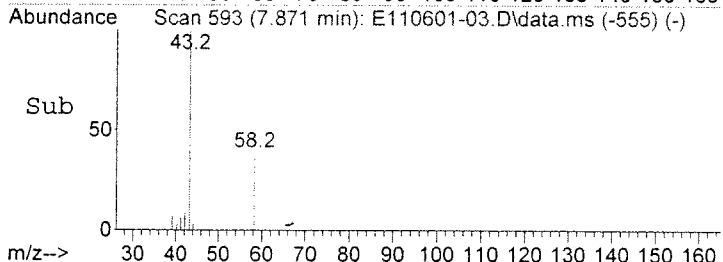


#14
 7051 Acetone
 Concen: 0.20 UG/M3
 RT: 7.871 min Scan# 593
 Delta R.T. 0.030 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

Tgt Ion	Resp	Lower	Upper
43	33531	100	
58	37.4	19.9	59.9

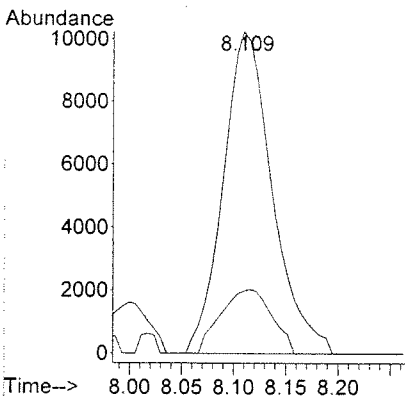
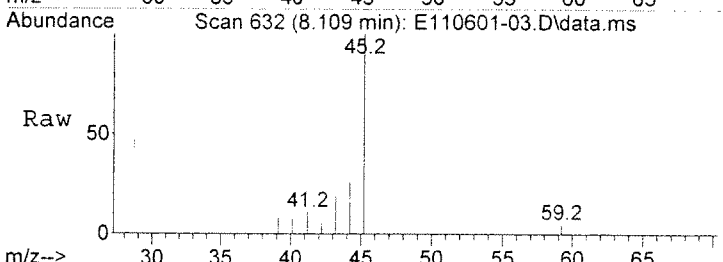


25x b1k

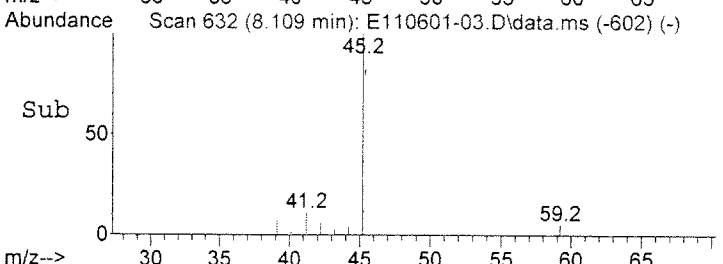


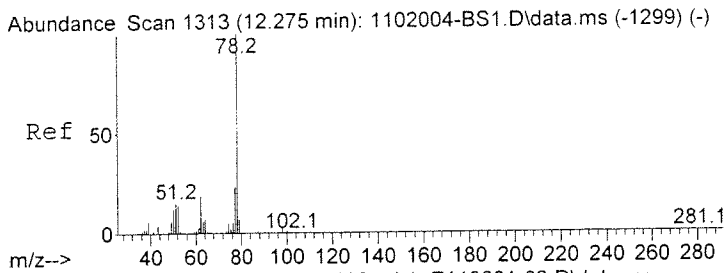
#15
 7024 Isopropanol
 Concen: 0.20 UG/M3
 RT: 8.109 min Scan# 632
 Delta R.T. 0.037 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

Tgt Ion	Resp	Lower	Upper
45	33557	100	
43	20.8	0.0	37.4



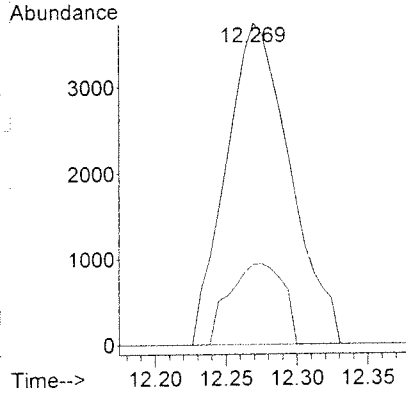
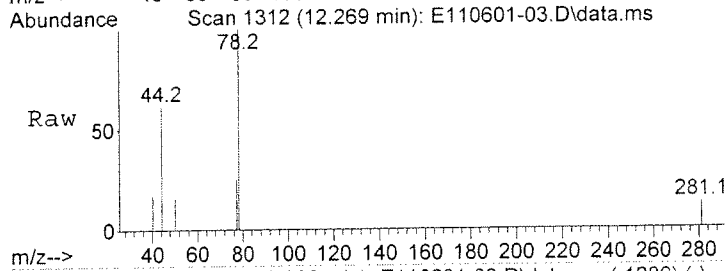
25x b1k



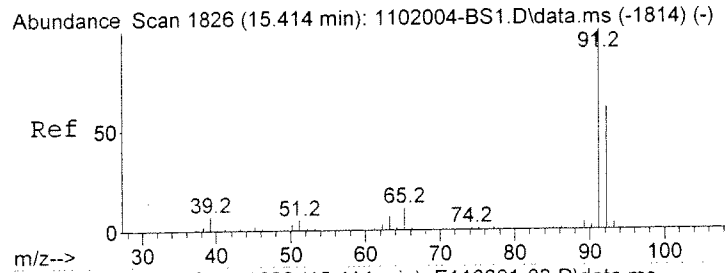
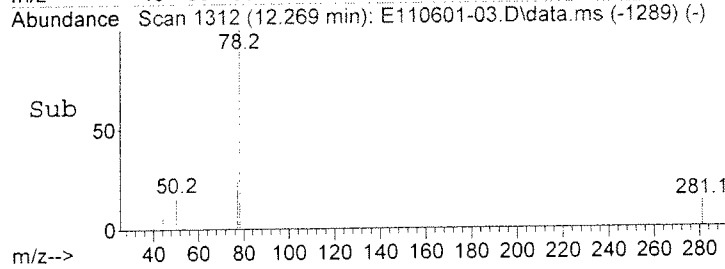


#35
 7105 Benzene
 Concen: 0.04 UG/M3
 RT: 12.269 min Scan# 1312
 Delta R.T. -0.006 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

Tgt Ion: 78 Resp: 11704
 Ion Ratio Lower Upper
 78 100
 77 0.0 2.8 42.8#

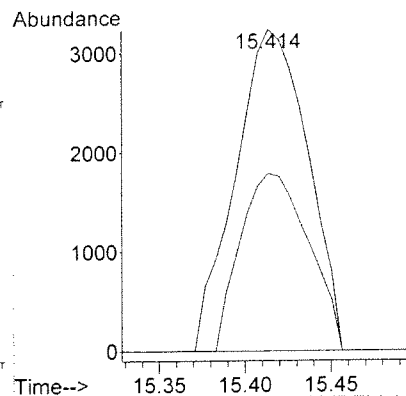
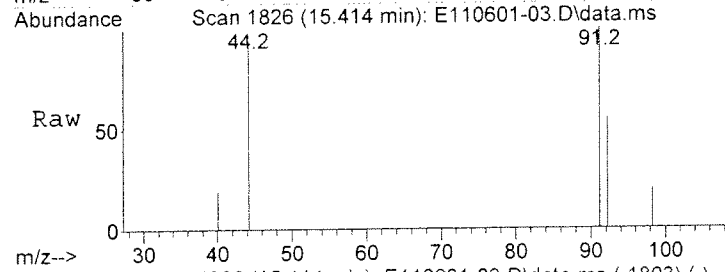


LMDL

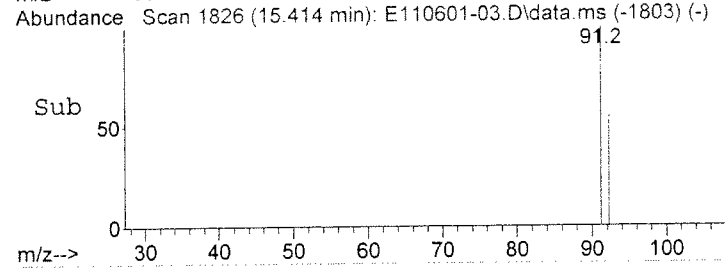


#46
 7145 Toluene
 Concen: 0.03 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

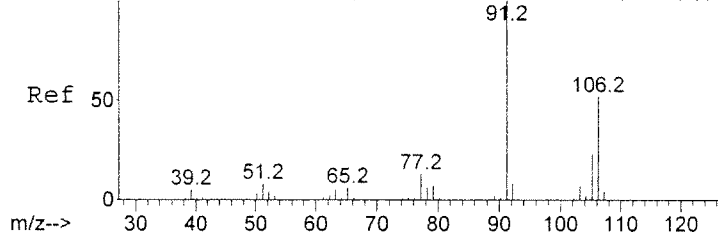
Tgt Ion: 91 Resp: 9439
 Ion Ratio Lower Upper
 91 100
 92 52.1 41.1 81.1



LMDL



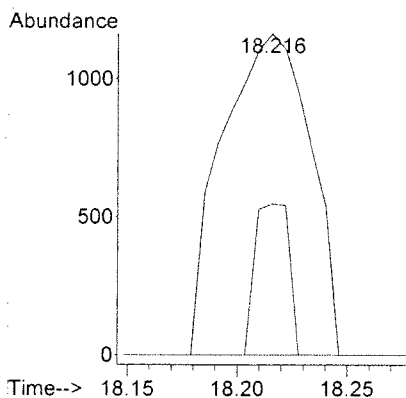
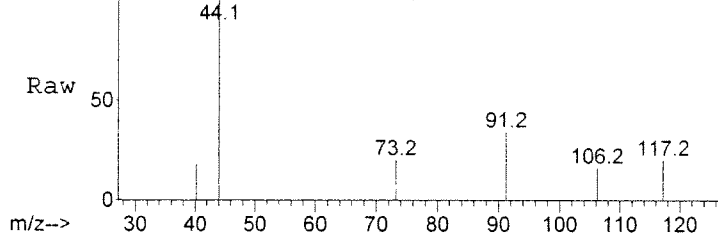
Abundance Scan 2284 (18.216 min): 1102004-BS1.D\data.ms (-2270) (-)



#55
 7156 (m- and/or p-) Xylene
 Concen: 0.01 UG/M3
 RT: 18.216 min Scan# 2284
 Delta R.T. -0.000 min
 Lab File: E110601-03.D
 Acq: 4 Feb 2011 4:22 am

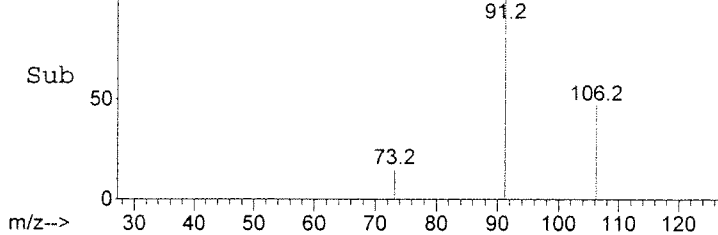
Tgt Ion	Resp	Lower	Upper
91	100		
106	0.0	32.5	72.5#
105	0.0	2.9	42.9#

Abundance Scan 2284 (18.216 min): E110601-03.D\data.ms



CMDL

Abundance Scan 2284 (18.216 min): E110601-03.D\data.ms (-2260) (-)



Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03
 Misc : can5930,500cc,ip=13.0,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-03.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.432	21	31	39	rBV3	43874	117184	5.56%	1.241%
2	11.553	1182	1195	1210	rBV	206359	621069	29.45%	6.575%
3	12.814	1389	1401	1424	rBV	691980	2025690	96.06%	21.447%
4	15.304	1792	1808	1821	rBV2	301500	911433	43.22%	9.650%
5	17.800	2204	2216	2247	rBV	707516	2108851	100.00%	22.327%
6	19.610	2500	2512	2525	rBV	291072	897820	42.57%	9.505%
7	19.886	2546	2557	2577	rBV	327452	981698	46.55%	10.394%
8	20.840	2697	2713	2724	rBV	80886	248170	11.77%	2.627%
9	22.033	2895	2908	2925	rBV	498575	1533377	72.71%	16.234%

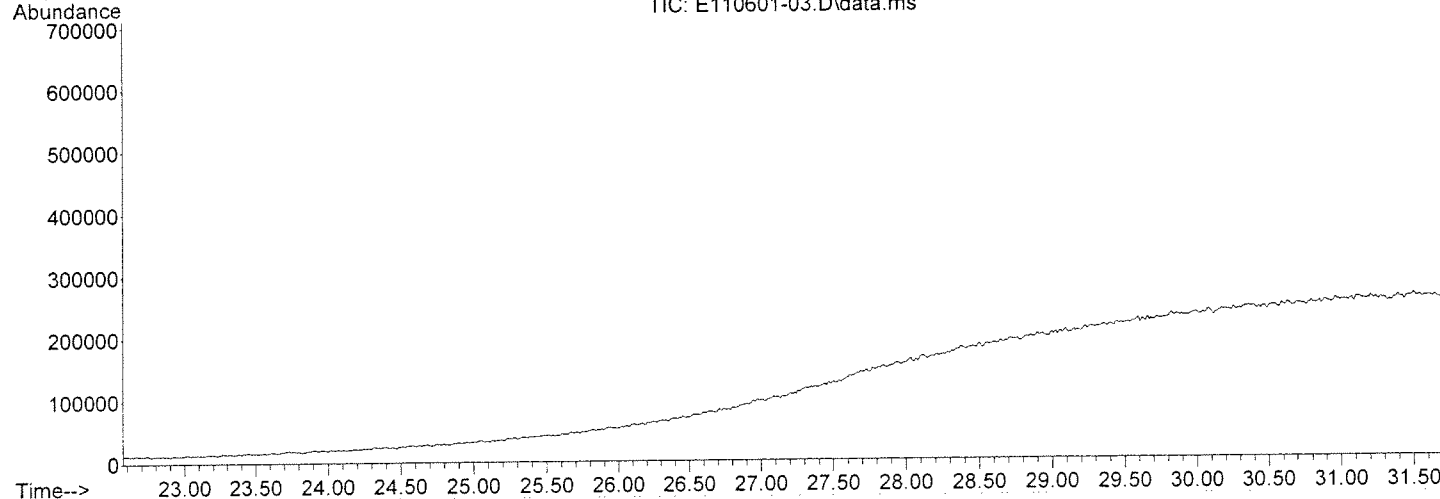
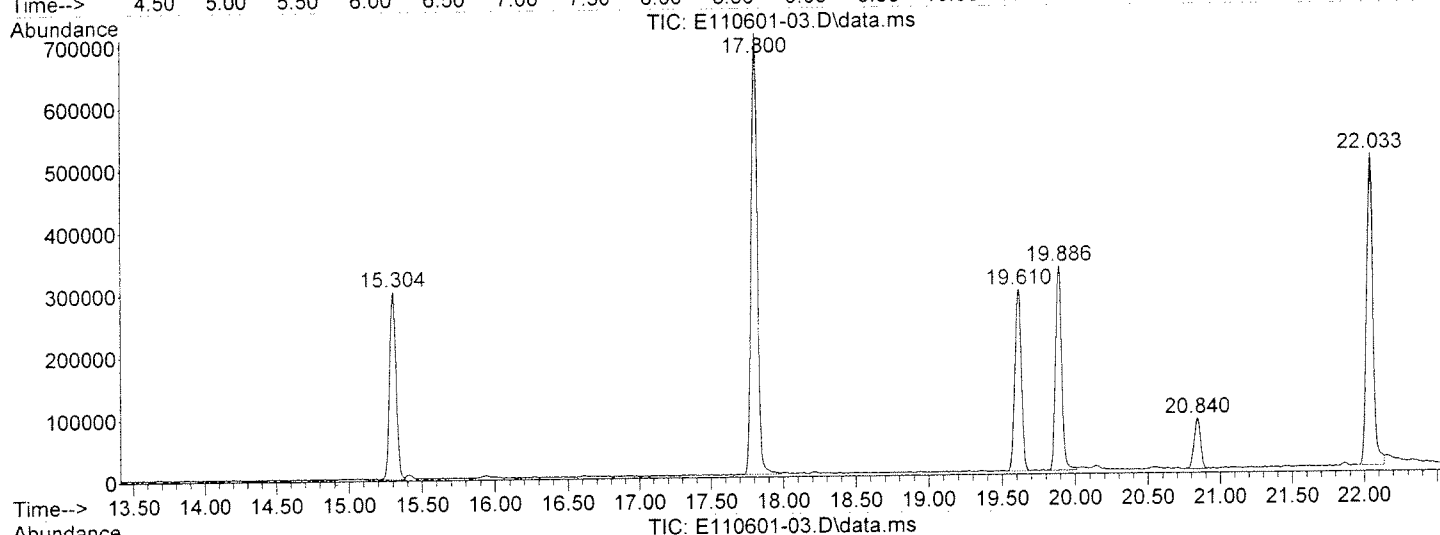
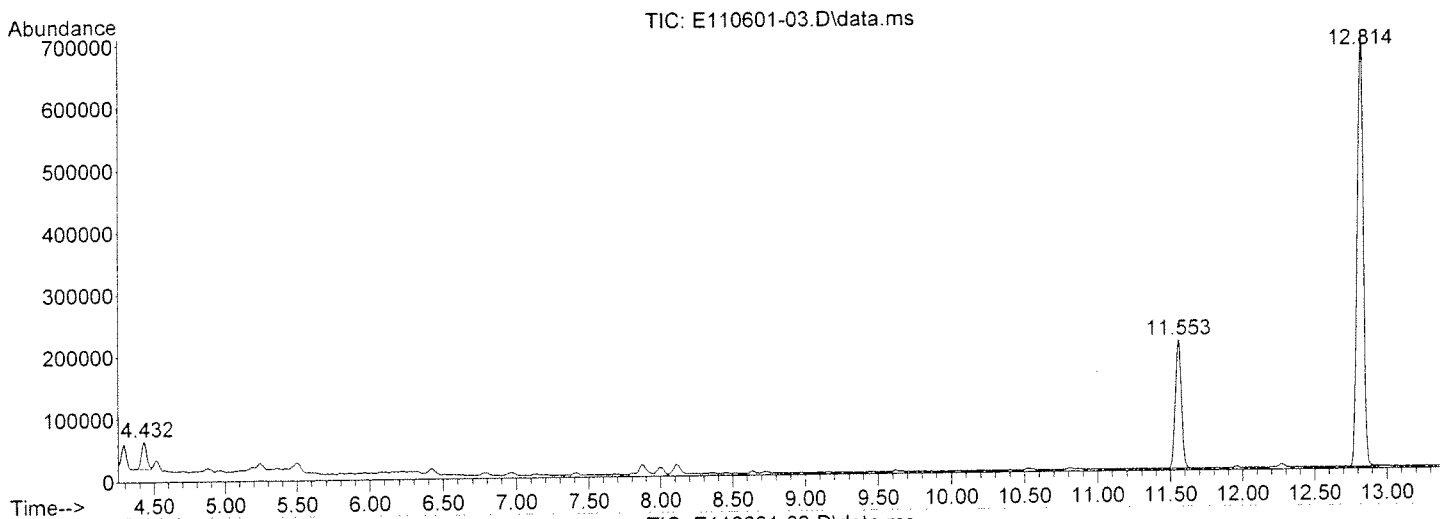
Sum of corrected areas: 9445292

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-03.D
Acq On : 4 Feb 2011 4:22 am
Operator : FW
Sample : E110601-03
Misc : can5930,500cc,ip=13.0,fp=30
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03
 Misc : can5930,500cc,ip=13.0,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

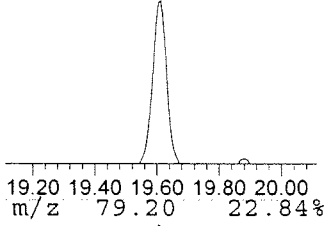
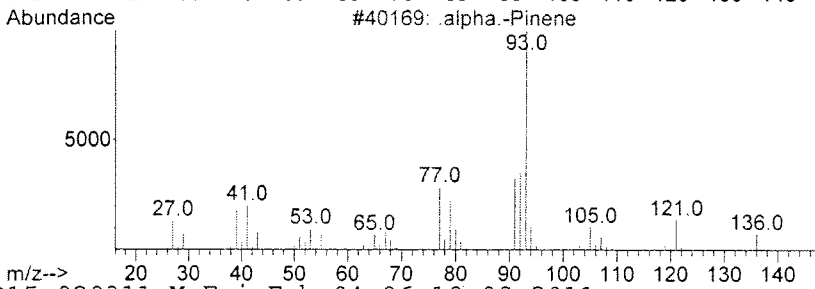
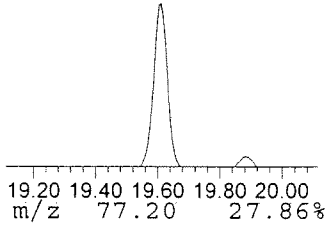
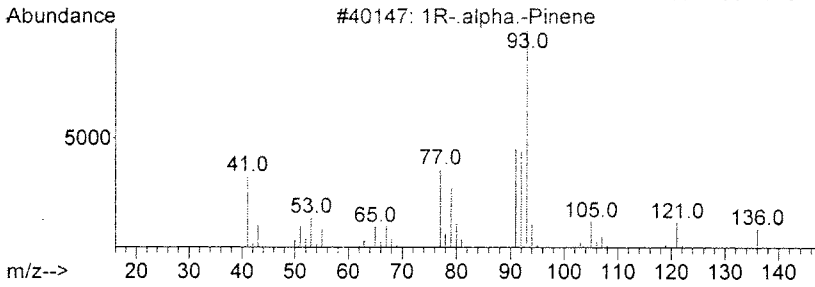
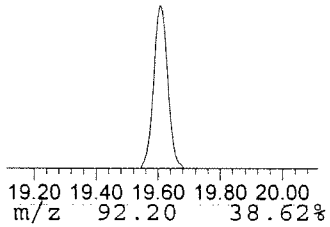
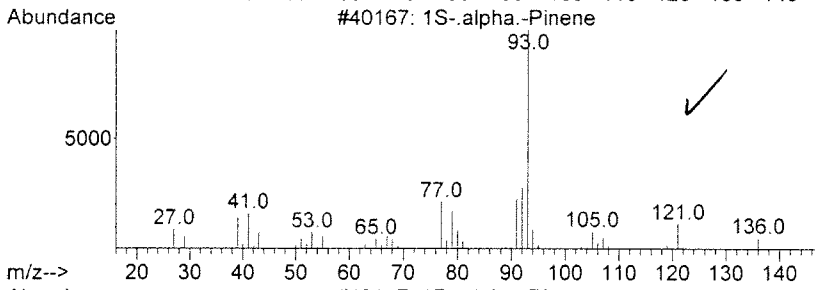
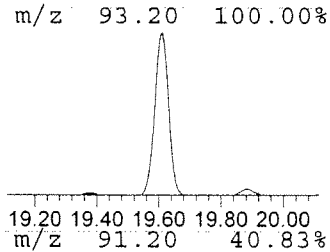
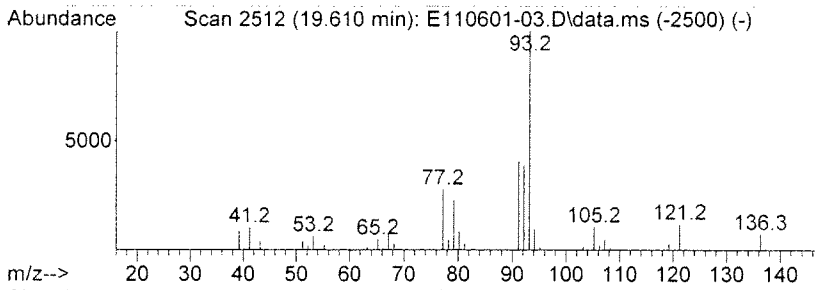
TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

2010

 Peak Number 3 1S-.alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.610	10.18 UG/M3	897820	IS02 Chlorobenzene-D5	17.800

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	1S-.alpha.-Pinene	136	C10H16	007785-26-4	96
2	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03
 Misc : can5930,500cc,ip=13.0,fp=30
 ALS Vial : 8 Sample Multiplier: 1

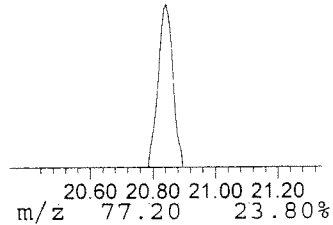
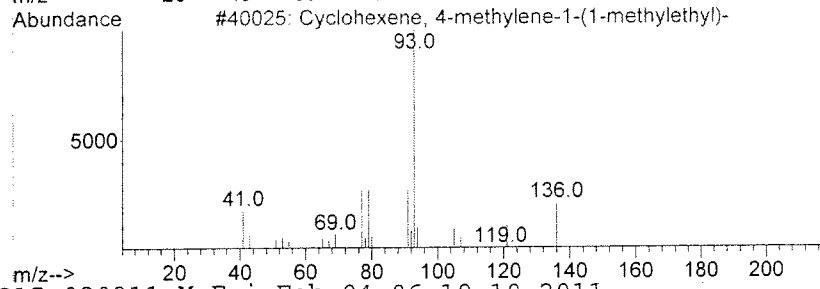
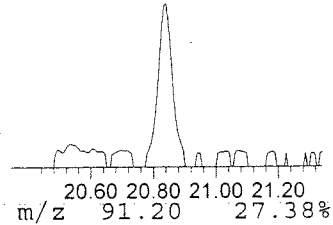
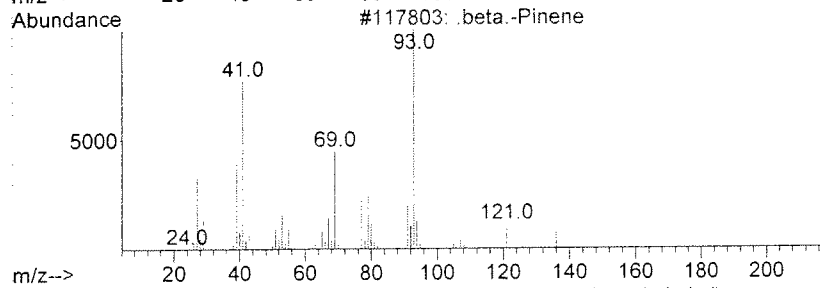
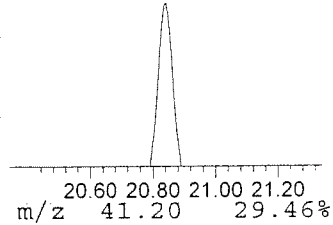
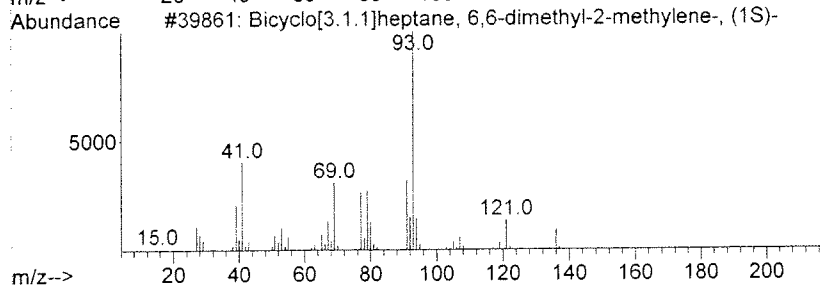
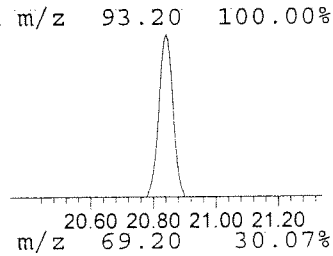
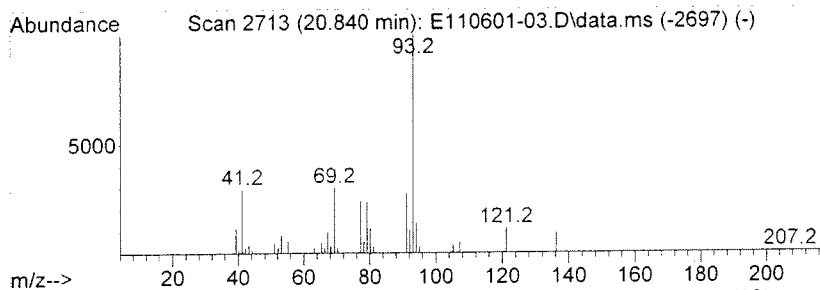
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.840	4.86 UG/M3	248170	IS03 1,4-Dichlorobenzene-D4	22.033

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	94
2			.beta.-Pinene	136	C10H16	000127-91-3	94
3			Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	90
5			.alpha.-Pinene	136	C10H16	000080-56-8	87



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-03.D
 Acq On : 4 Feb 2011 4:22 am
 Operator : FW
 Sample : E110601-03
 Misc : can5930,500cc,ip=13.0,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1S-.alpha.-Pinene	19.610	10.2	UG/M3	897820	2	17.800	2108850	23.9
Bicyclo[3.1.1]h...	20.840	4.9	UG/M3	248170	3	22.033	1533380	30.0

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-04.D
 Acq On : 4 Feb 2011 5:10 am
 Operator : FW
 Sample : E110601-04 *50cc Feb-4-11*
 Misc : can2783, 500cc, ip=13.0, fp=30
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 06:13:59 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	955090	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	754228	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	267366	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.433	41	29947	0.21	UG/M3#	<i><582 BIK</i>
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	21201	0.13	UG/M3#	93
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.		
5) 7025 Chloromethane	4.965	50	6729	0.05	UG/M3#	42
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	8695	0.06	UG/M3	<i><MDL 89</i>
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.		
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.877	43	28230	0.17	UG/M3	90
15) 7024 Isopropanol	8.109	45	32695	0.20	UG/M3#	<i><580 BIK</i>
16) 7052 Carbon Disulfide	0.000		0	N.D.		
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	8.641	49	3030	0.03	UG/M3#	13
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	0.000		0	N.D.		
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	0.000		0	N.D.		
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.275	78	10758	0.03	UG/M3#	53
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.		
37) 7038 Heptane	0.000		0	N.D.		
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-04.D
 Acq On : 4 Feb 2011 5:10 am
 Operator : FW
 Sample : E110601-04
 Misc : can2783,500cc,ip=13.0,fp=30
 ALS Vial : 9 Sample Multiplier: 1

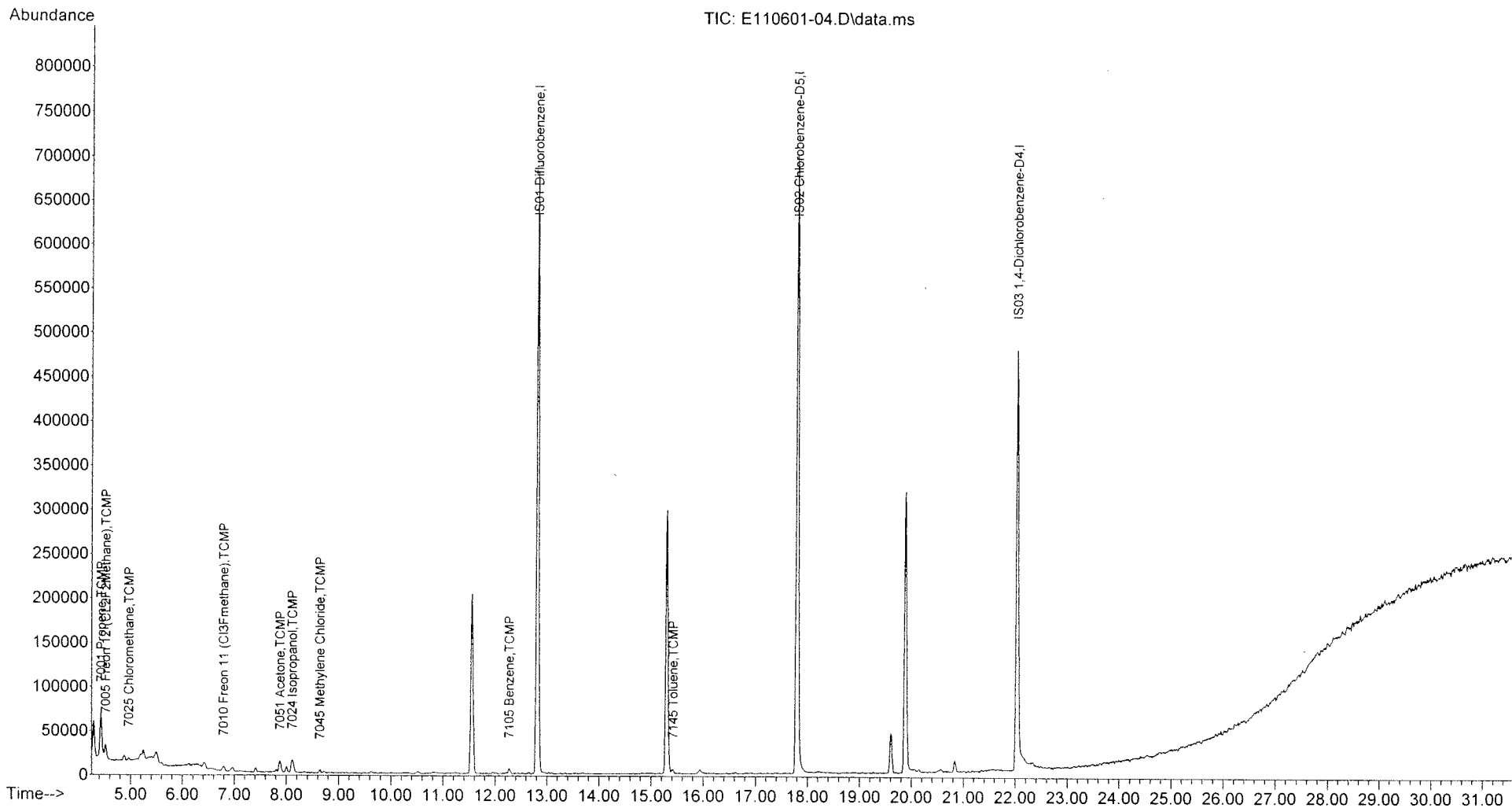
Quant Time: Feb 04 06:13:59 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

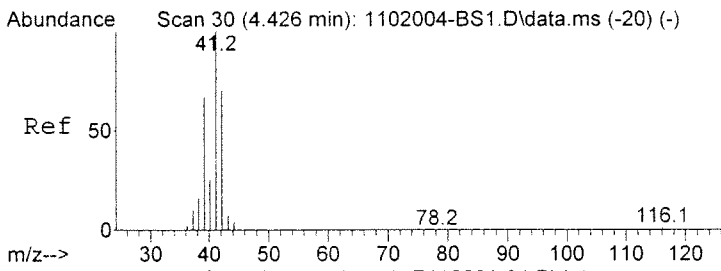
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.420	91	7120	0.02	UG/M3	94
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	0.000		0	N.D.		
55) 7156 (m- and.or p-) Xy...	0.000		0	N.D.		
56) 7157 o-Xylene	0.000		0	N.D.		
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	0.000		0	N.D.		
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-04.D
 Acq On : 4 Feb 2011 5:10 am
 Operator : FW
 Sample : E110601-04
 Misc : can2783,500cc,ip=13.0,fp=30
 ALS Vial : 9 Sample Multiplier: 1

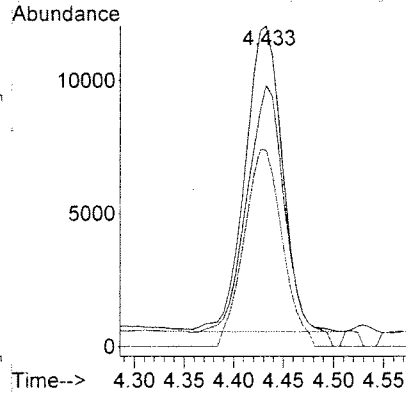
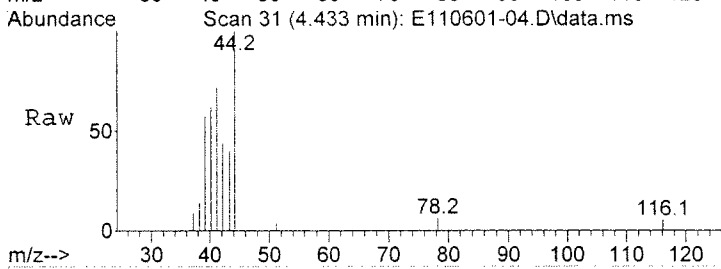
Quant Time: Feb 04 06:13:59 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



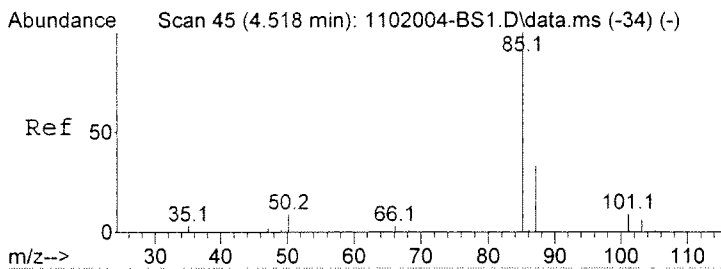
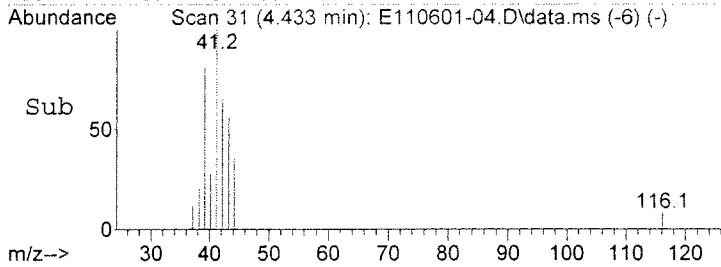


#2
 7001 Propene
 Concen: 0.21 UG/M3
 RT: 4.433 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion	Ratio	Lower	Upper
41	100		
39	93.6	46.6	86.6#
42	65.9	48.0	88.0

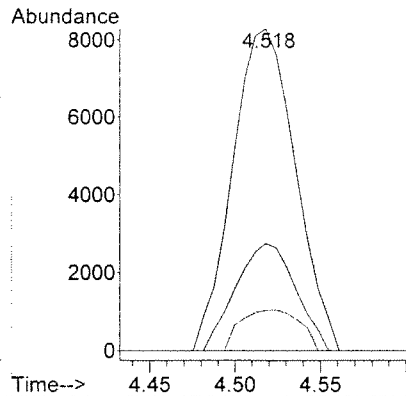
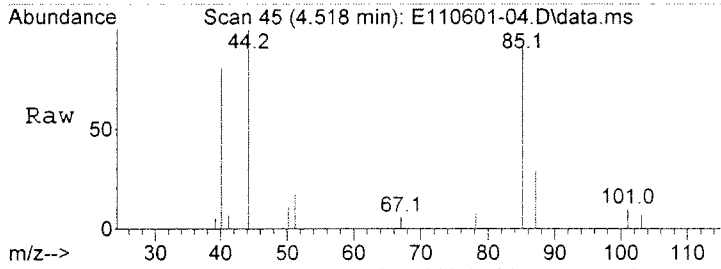


5x blk

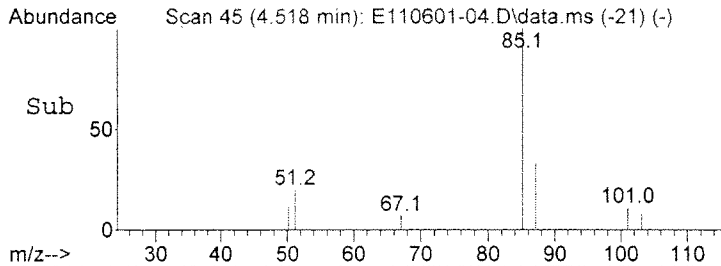


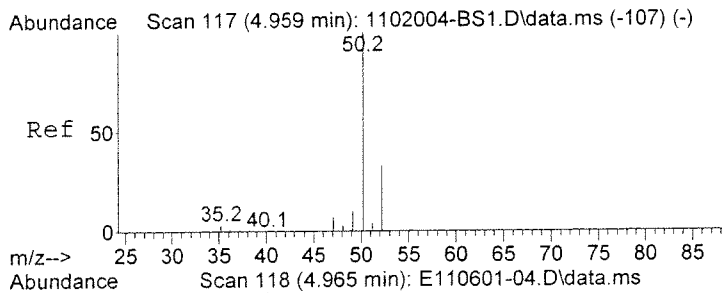
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 0.13 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	12.7	52.7
50	0.0	0.0	29.4



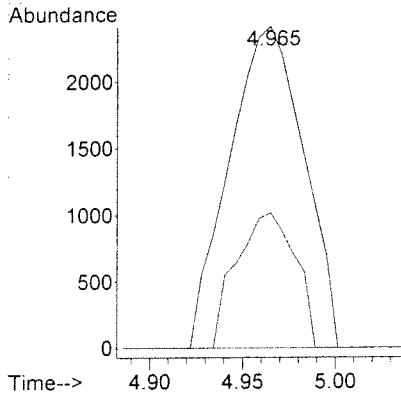
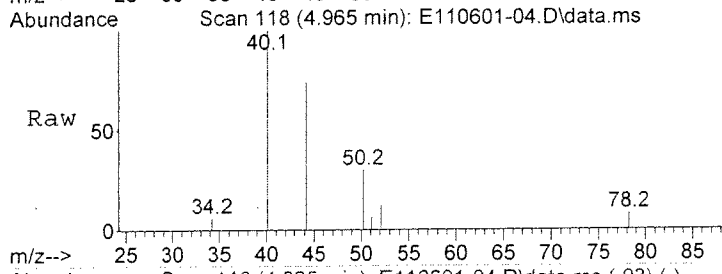
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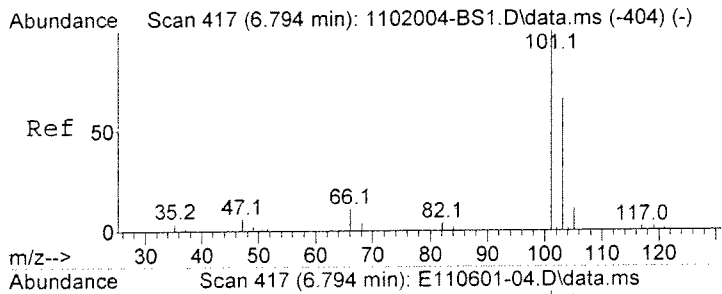
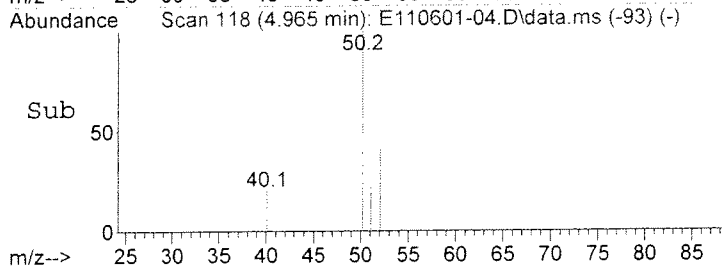


#5
 7025 Chloromethane
 Concen: 0.05 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion	Resp	Lower	Upper
50	6729		
50	100		
52	0.0	12.8	52.8#

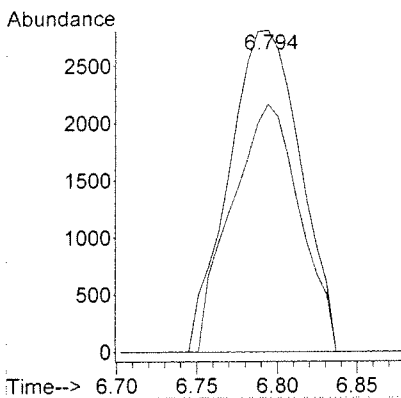
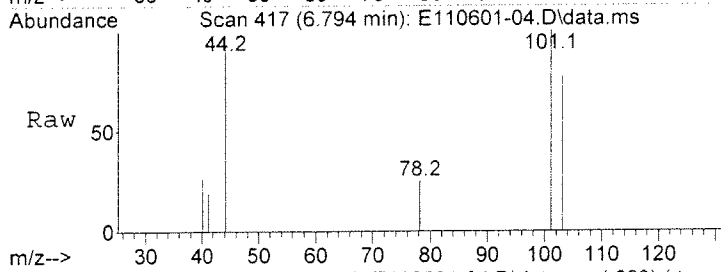


OK

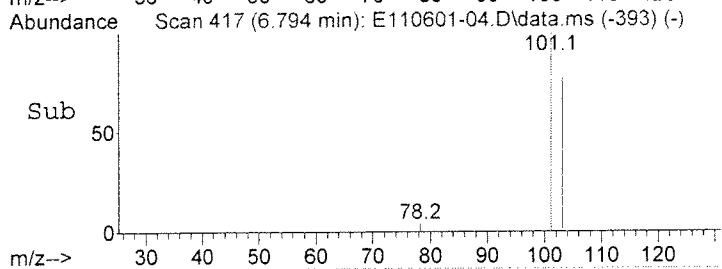


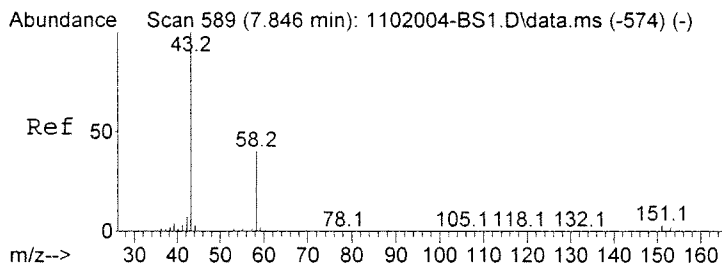
#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.06 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion	Resp	Lower	Upper
101	8695		
101	100		
103	73.2	44.7	84.7



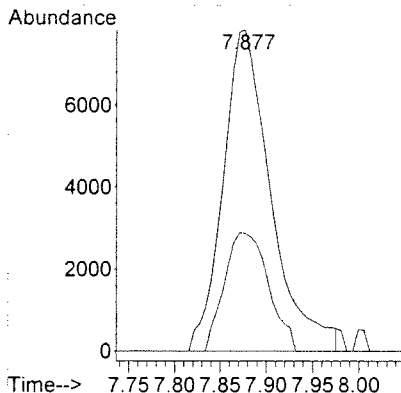
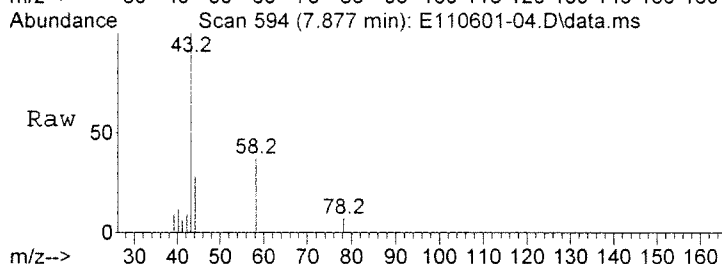
OK



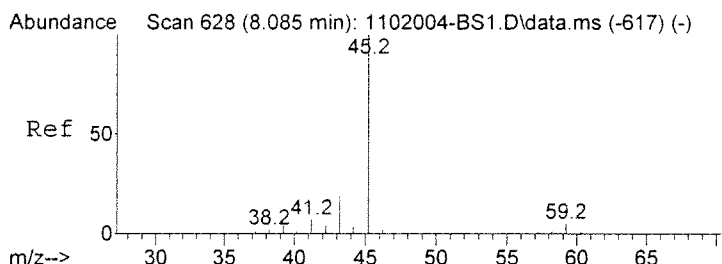
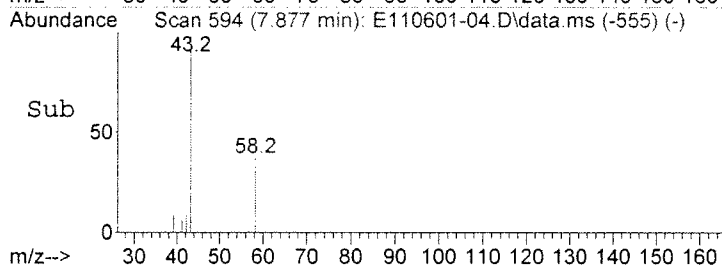


#14
 7051 Acetone
 Concen: 0.17 UG/M3
 RT: 7.877 min Scan# 594
 Delta R.T. 0.037 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion: 43 Resp: 28230
 Ion Ratio Lower Upper
 43 100
 58 34.0 19.9 59.9

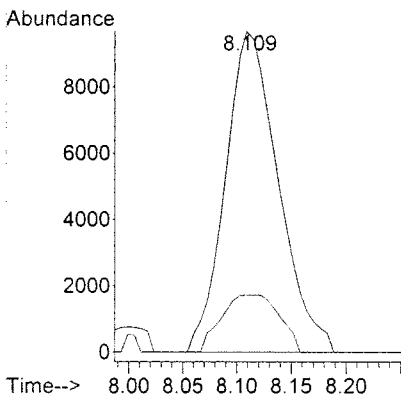
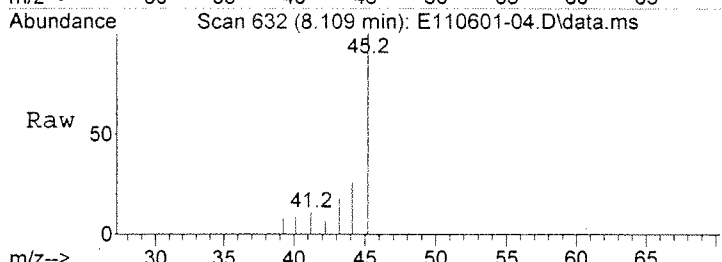


25x blk

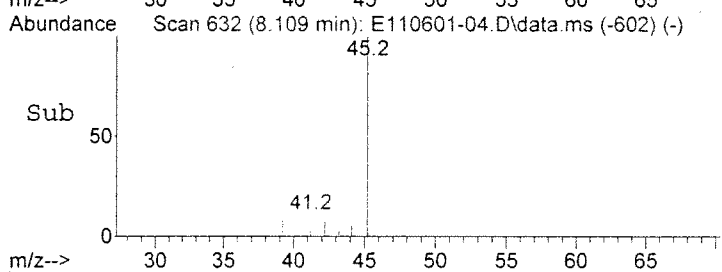


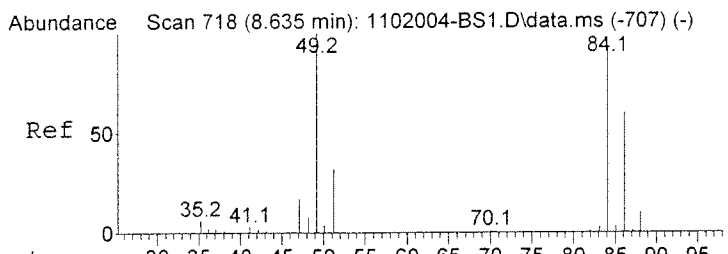
#15
 7024 Isopropanol
 Concen: 0.20 UG/M3
 RT: 8.109 min Scan# 632
 Delta R.T. 0.037 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion: 45 Resp: 32695
 Ion Ratio Lower Upper
 45 100
 43 0.0 0.0 37.4



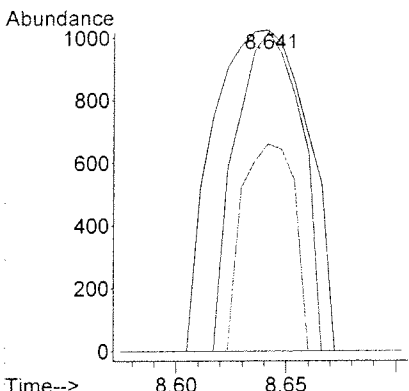
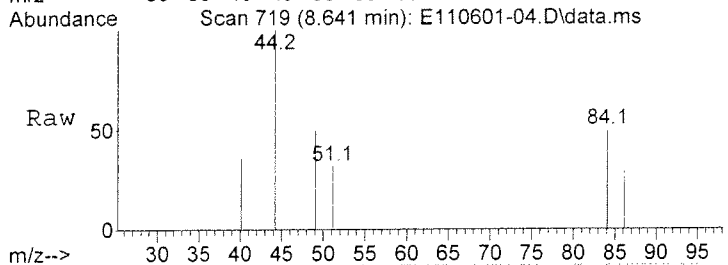
25x blk



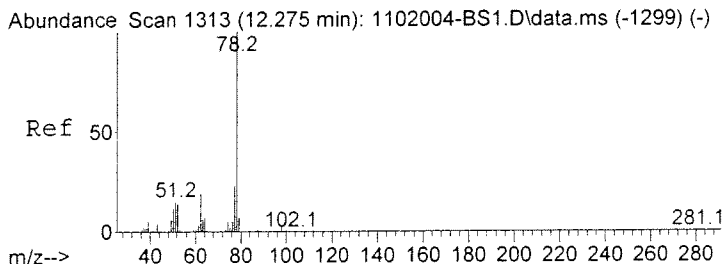
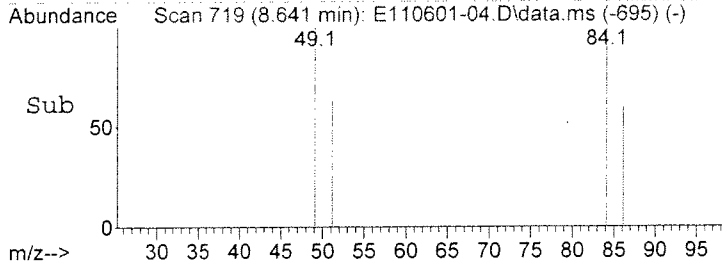


#18
 7045 Methylene Chloride
 Concen: 0.03 UG/M3
 RT: 8.641 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion	Resp	Ion Ratio	Lower	Upper
49	3030	100		
84		0.0	72.8	112.8#
51		0.0	11.5	51.5#

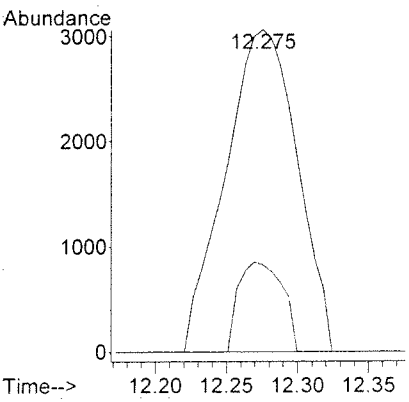
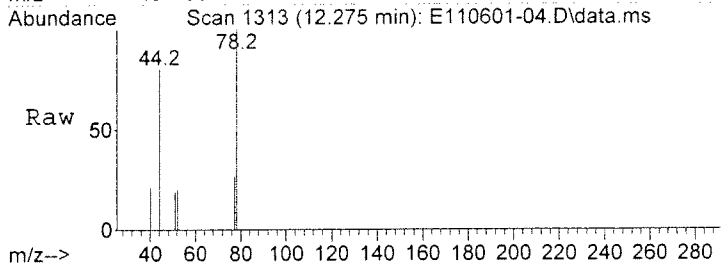


CMPL

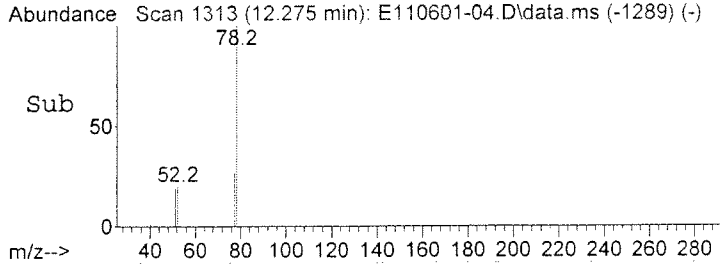


#35
 7105 Benzene
 Concen: 0.03 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

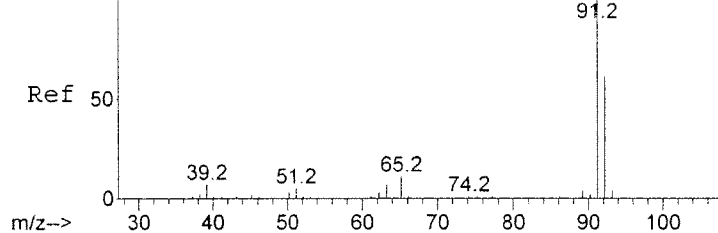
Tgt Ion	Resp	Ion Ratio	Lower	Upper
78	10758	100		
77		0.0	2.8	42.8#



CMPL



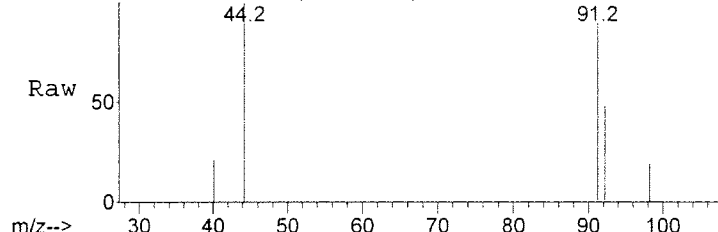
Abundance Scan 1826 (15.414 min): 1102004-BS1.D\data.ms (-1814) (-)



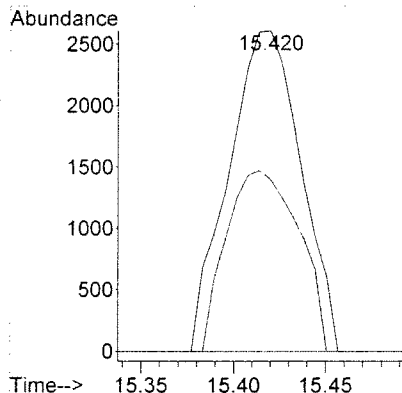
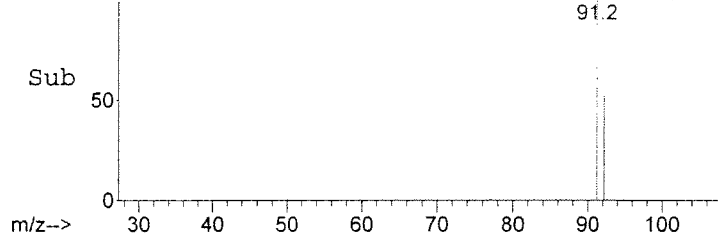
#46
 7145 Toluene
 Concen: 0.02 UG/M3
 RT: 15.420 min Scan# 1827
 Delta R.T. -0.000 min
 Lab File: E110601-04.D
 Acq: 4 Feb 2011 5:10 am

Tgt Ion:	91	92	Resp:	7120
Ion Ratio	100	56.5	Lower	Upper
			41.1	81.1

Abundance Scan 1827 (15.420 min): E110601-04.D\data.ms



Abundance Scan 1827 (15.420 min): E110601-04.D\data.ms (-1803) (-)



CMDL

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-04.D
 Acq On : 4 Feb 2011 5:10 am
 Operator : FW
 Sample : E110601-04
 Misc : can2783,500cc,ip=13.0,fp=30
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-04.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.433	19	31	40	rBV3	48894	130059	6.26%	1.535%
2	11.554	1184	1195	1212	rBV	203909	615346	29.64%	7.261%
3	12.814	1390	1401	1432	rBV	682155	1988955	95.79%	23.469%
4	15.304	1790	1808	1820	rBV2	298629	884082	42.58%	10.432%
5	17.800	2200	2216	2245	rBV	700839	2076405	100.00%	24.501%
6	19.604	2502	2511	2521	rBV	45663	132393	6.38%	1.562%
7	19.886	2545	2557	2576	rBV	318489	934904	45.03%	11.032%
8	22.033	2896	2908	2947	rBV	475370	1563523	75.30%	18.449%
9	27.765	3812	3845	3847	rBV	20476	149026	7.18%	1.758%

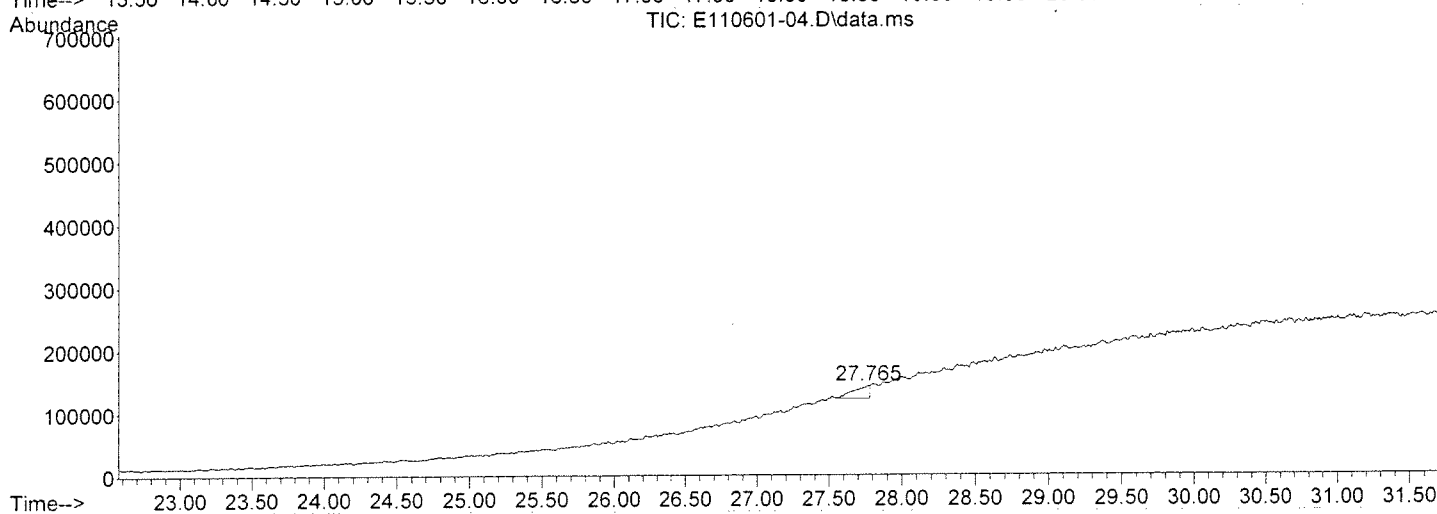
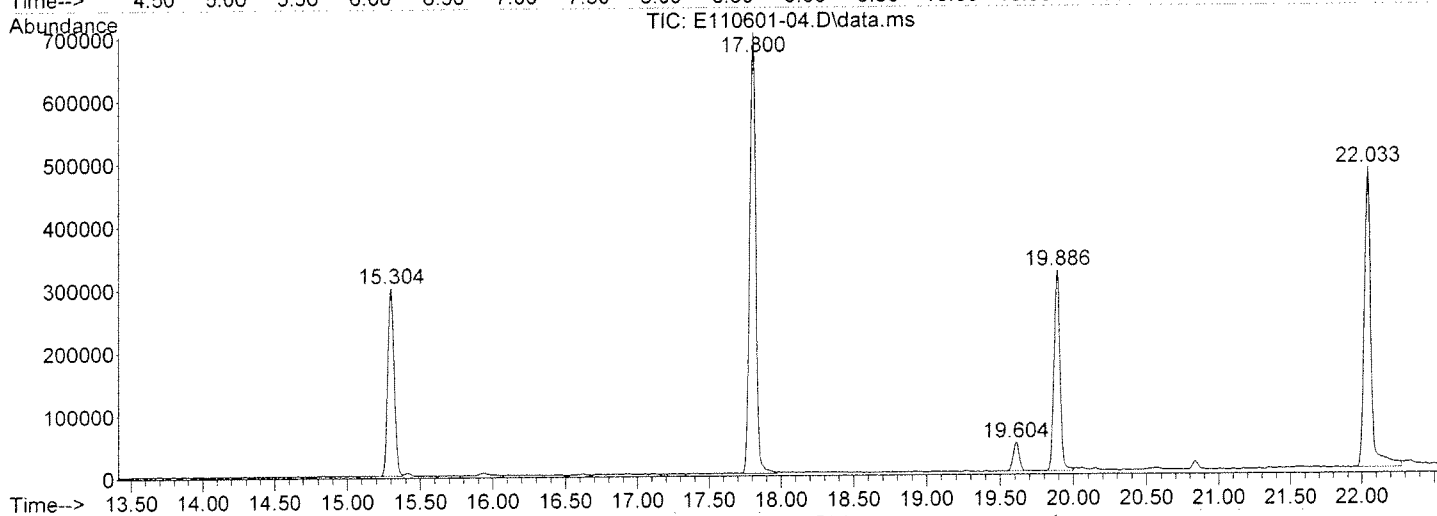
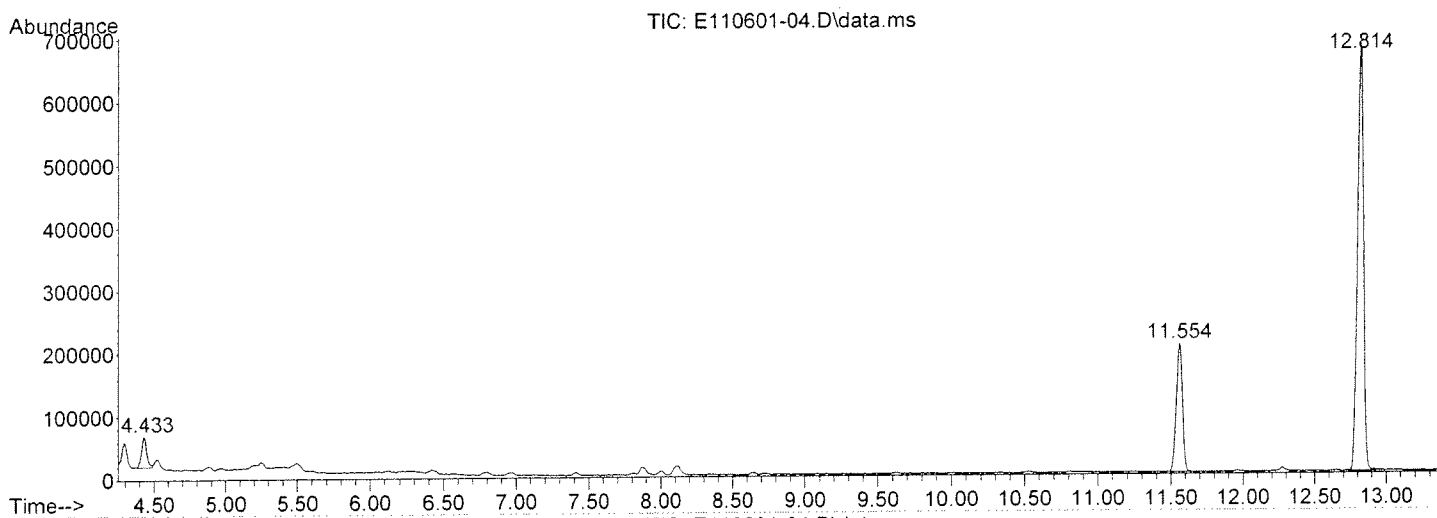
Sum of corrected areas: 8474693

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-04.D
Acq On : 4 Feb 2011 5:10 am
Operator : FW
Sample : E110601-04
Misc : can2783,500cc,ip=13.0,fp=30
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-04.D
Acq On : 4 Feb 2011 5:10 am
Operator : FW
Sample : E110601-04
Misc : can2783,500cc,ip=13.0,fp=30
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-04.D
Acq On : 4 Feb 2011 5:10 am
Operator : FW
Sample : E110601-04
Misc : can2783,500cc,ip=13.0,fp=30
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
------------------	----	---------	-------	----------	---	----	------	------

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-05.D
 Acq On : 4 Feb 2011 5:58 am
 Operator : FW
 Sample : E110601-05 *SOc fw 4-11*
 Misc : can5928, 500cc, ip=13.3, fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 06:44:35 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	957148	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	756583	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	276186	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.433	41	32723	0.23	UG/M3#	<i>2581 b1k</i>
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	21146	0.13	UG/M3	94
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.		
5) 7025 Chloromethane	4.965	50	7399	0.05	UG/M3#	42
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	8442	0.06	UG/M3	<i>2MPL</i>
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.		
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.871	43	34356	0.21	UG/M3	<i>92</i>
15) 7024 Isopropanol	8.109	45	33222	0.20	UG/M3	<i>1584 b1k</i>
16) 7052 Carbon Disulfide	0.000		0	N.D.		
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	0.000		0	N.D.		
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	0.000		0	N.D.		
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	0.000		0	N.D.		
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.276	78	12980	0.04	UG/M3#	53
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.		
37) 7038 Heptane	0.000		0	N.D.		
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-05.D
 Acq On : 4 Feb 2011 5:58 am
 Operator : FW
 Sample : E110601-05
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

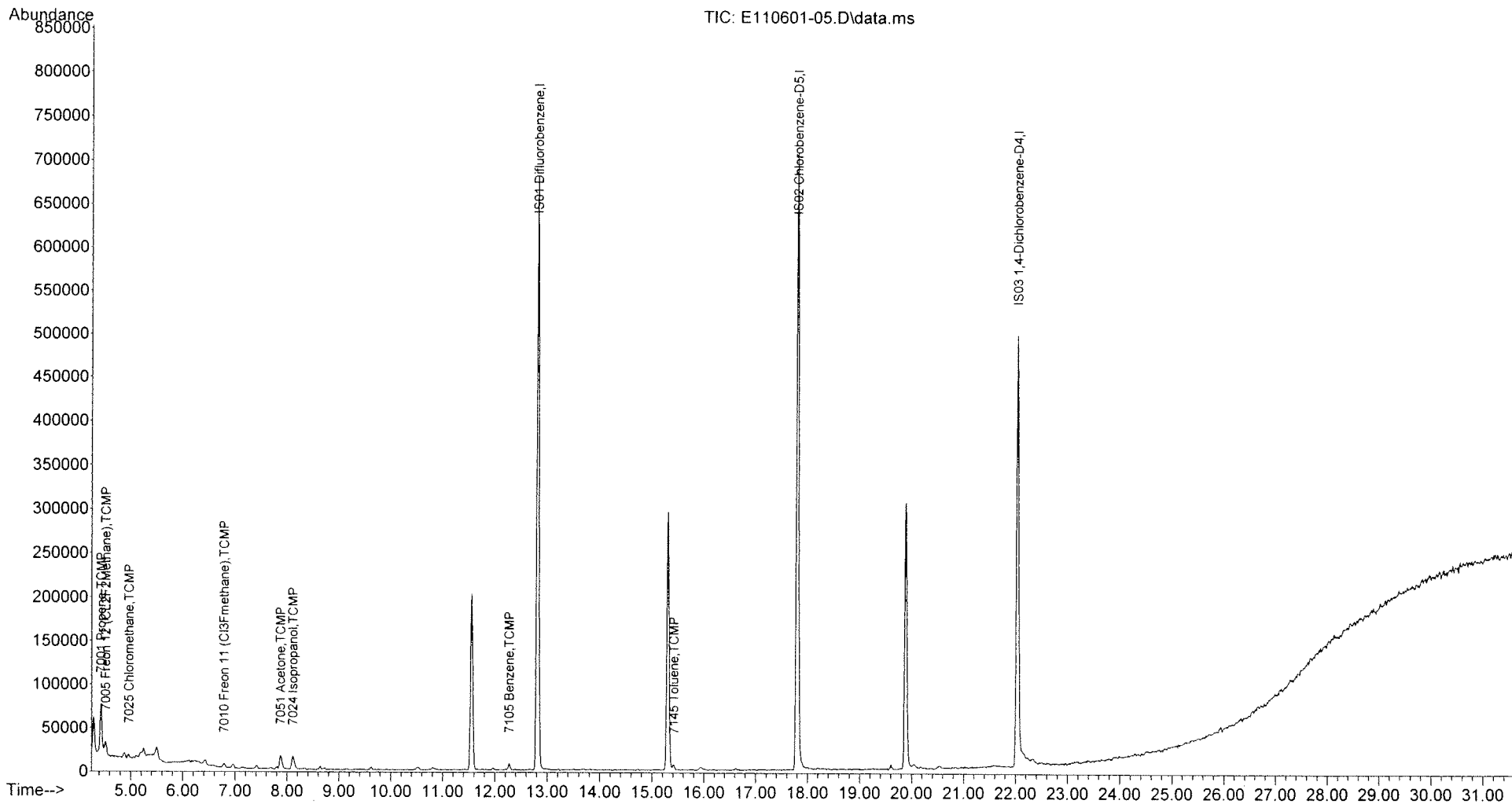
Quant Time: Feb 04 06:44:35 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

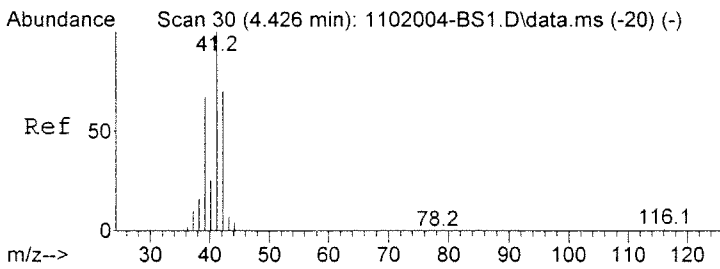
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	8271	0.03	UG/M3	88
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	0.000		0		N.D.	
55) 7156 (m- and.or p-) Xy...	0.000		0		N.D.	
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	0.000		0		N.D.	
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	0.000		0		N.D.	
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-05.D
 Acq On : 4 Feb 2011 5:58 am
 Operator : FW
 Sample : E110601-05
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

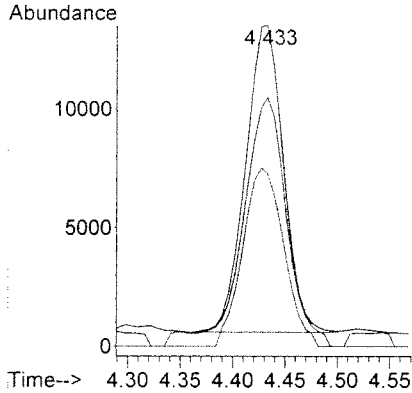
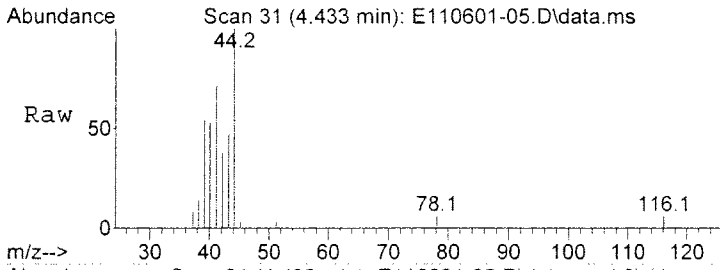
Quant Time: Feb 04 06:44:35 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



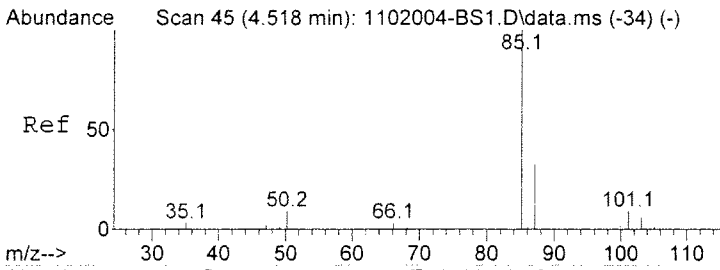
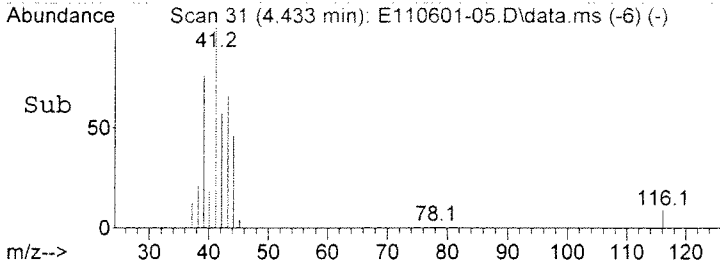


#2
 7001 Propene
 Concen: 0.23 UG/M3
 RT: 4.433 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion:	41	39	42	Resp:	32723	Lower	Upper
Ion Ratio	100	91.8	62.8			46.6	86.6#
						48.0	88.0

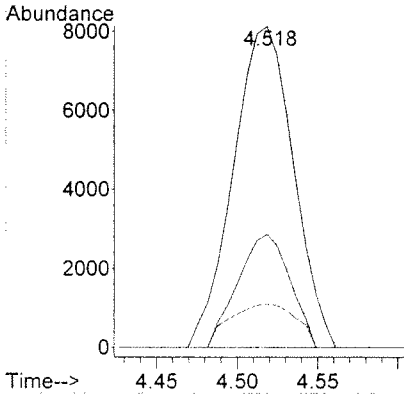
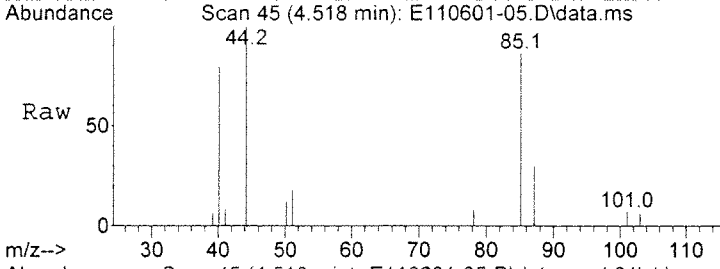


25x61K

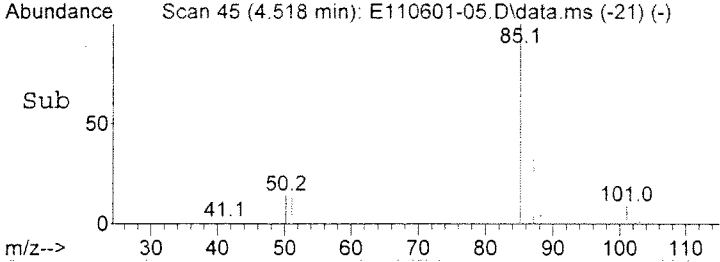


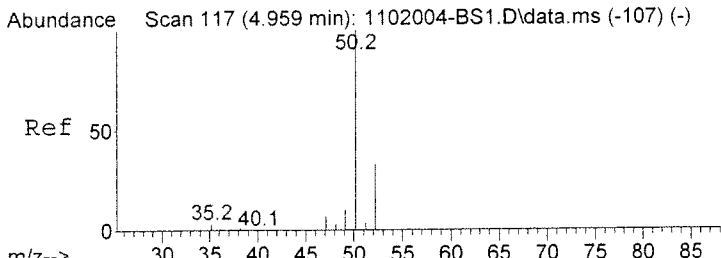
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 0.13 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion:	85	87	50	Resp:	21146	Lower	Upper
Ion Ratio	100	30.7	14.8			12.7	52.7
						0.0	29.4



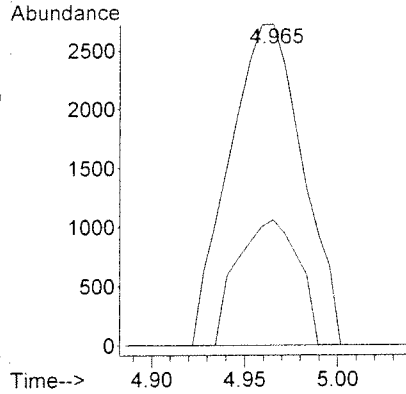
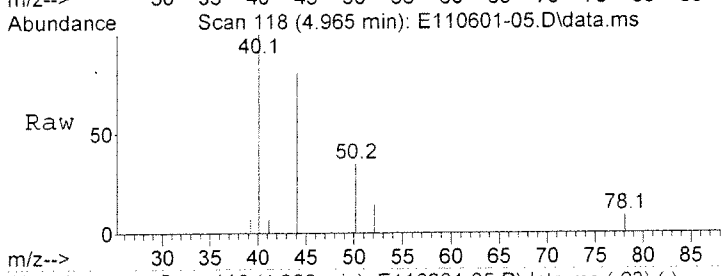
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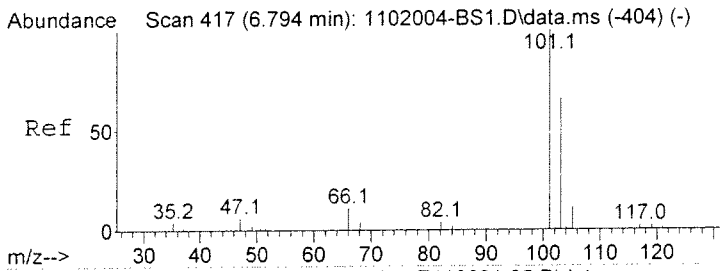
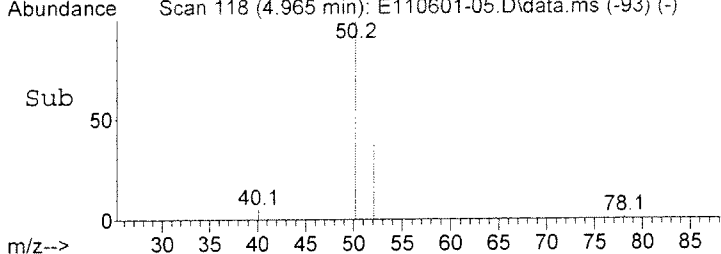


#5
 7025 Chloromethane
 Concen: 0.05 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion: 50 Resp: 7399
 Ion Ratio Lower Upper
 50 100
 52 0.0 12.8 52.8#

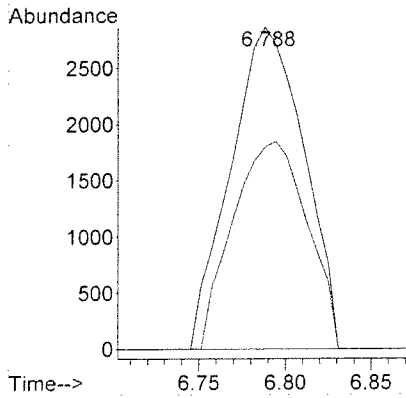
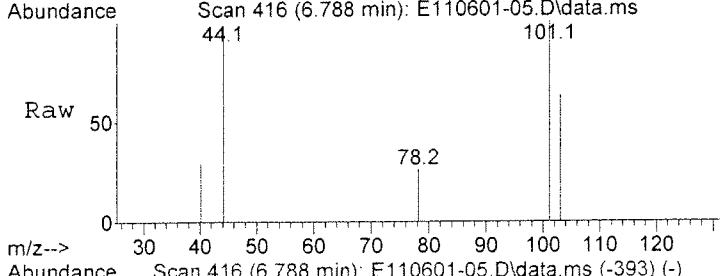


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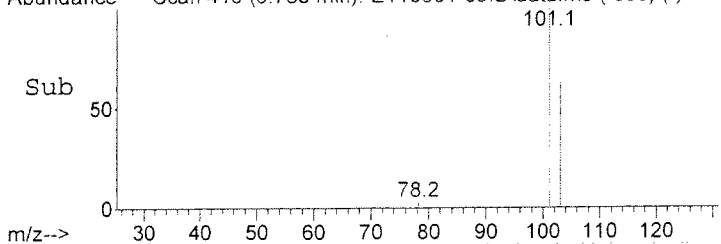


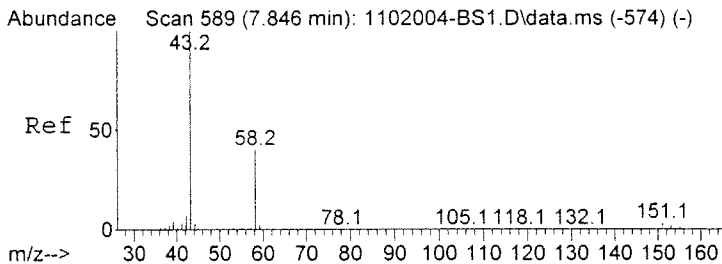
#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.06 UG/M3
 RT: 6.788 min Scan# 416
 Delta R.T. -0.006 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion: 101 Resp: 8442
 Ion Ratio Lower Upper
 101 100
 103 65.4 44.7 84.7



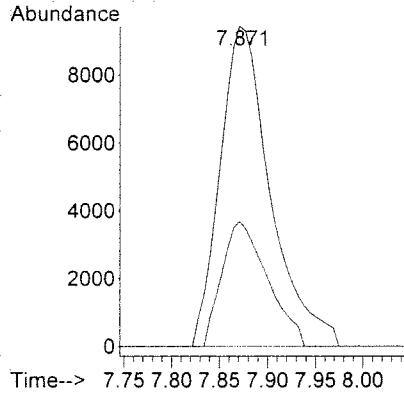
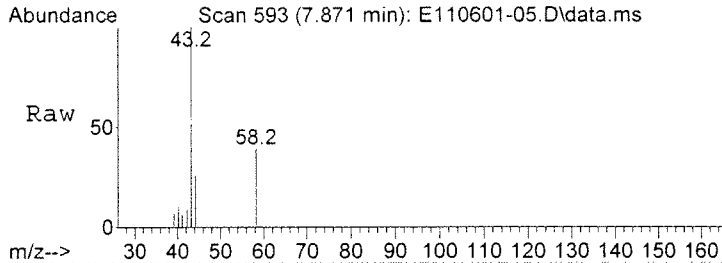
OK
 CMDL



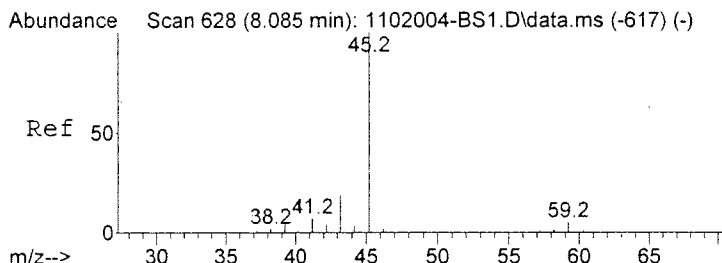
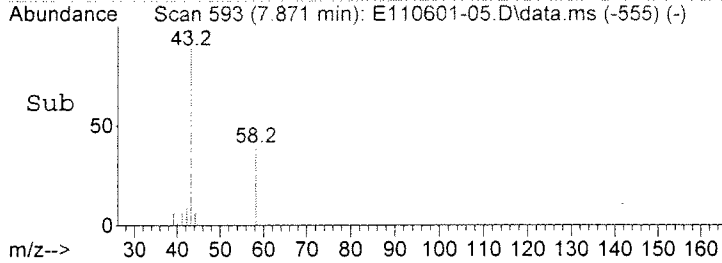


#14
 7051 Acetone
 Concen: 0.21 UG/M3
 RT: 7.871 min Scan# 593
 Delta R.T. 0.031 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	19.9	59.9

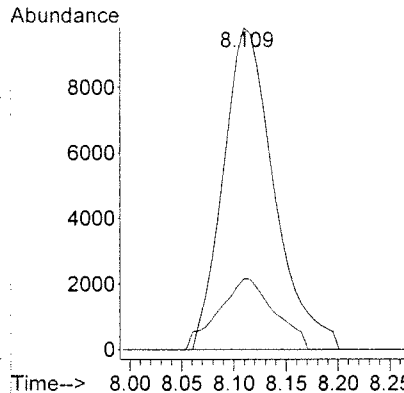
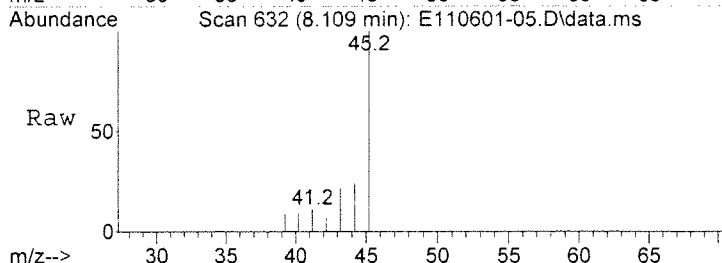


25x bk

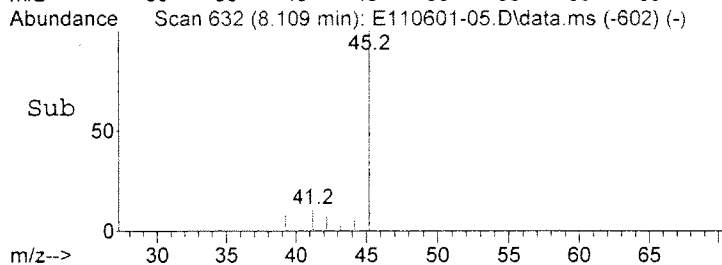


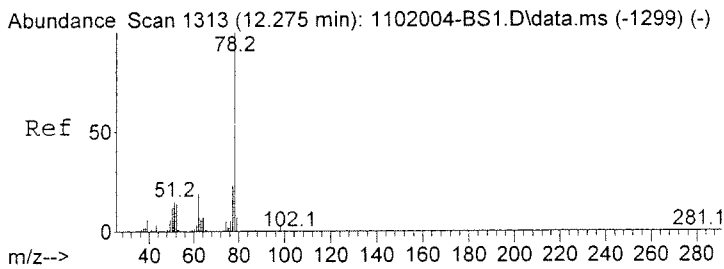
#15
 7024 Isopropanol
 Concen: 0.20 UG/M3
 RT: 8.109 min Scan# 632
 Delta R.T. 0.037 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion	Ratio	Lower	Upper
45	100		
43	24.2	0.0	37.4



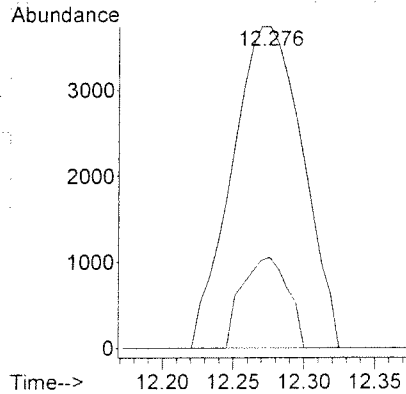
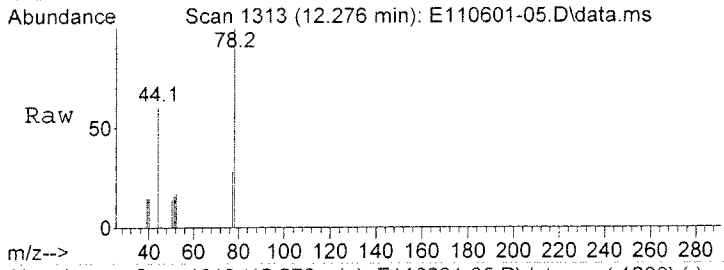
25x bk



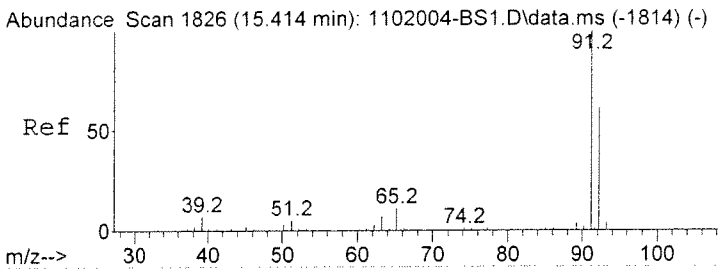
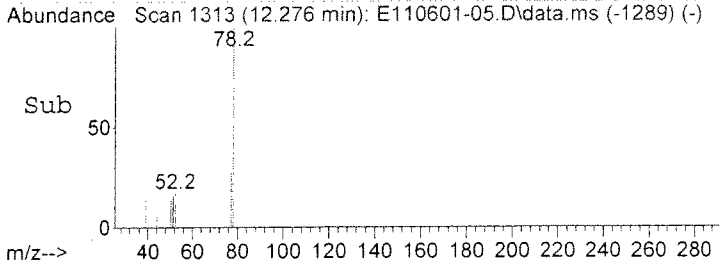


#35
 7105 Benzene
 Concen: 0.04 UG/M3
 RT: 12.276 min Scan# 1313
 Delta R.T. 0.000 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion	Resp	Lower	Upper
78	12980		
77	0.0	2.8	42.8#

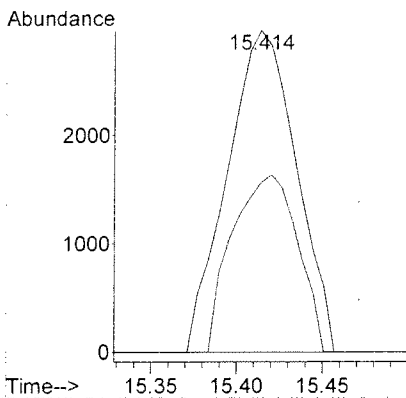
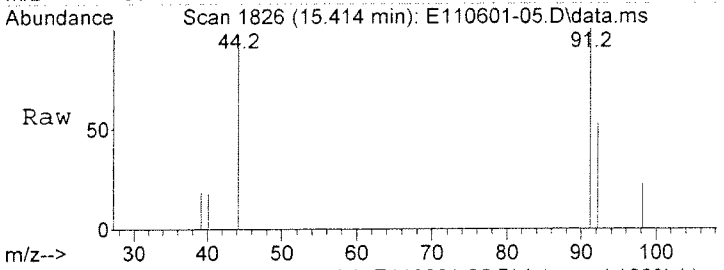


CMDL

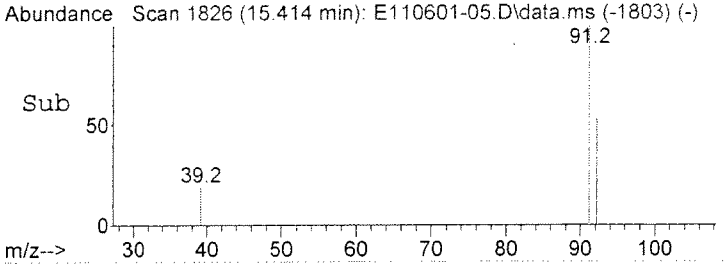


#46
 7145 Toluene
 Concen: 0.03 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: E110601-05.D
 Acq: 4 Feb 2011 5:58 am

Tgt Ion	Resp	Lower	Upper
91	8271		
91	100		
92	52.1	41.1	81.1



CMDL



Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-05.D
 Acq On : 4 Feb 2011 5:58 am
 Operator : FW
 Sample : E110601-05
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.433	18	31	39	rBV3	55174	143463	6.86%	1.751%
2	11.554	1182	1195	1210	rBV	202596	605381	28.93%	7.387%
3	12.814	1389	1401	1421	rBV	679050	1983776	94.80%	24.208%
4	15.304	1792	1808	1820	rBV2	294895	876905	41.91%	10.701%
5	17.800	2202	2216	2237	rBV	707001	2092594	100.00%	25.536%
6	19.886	2541	2557	2577	rBV	304559	912364	43.60%	11.134%
7	22.033	2893	2908	2936	rBV	492182	1580265	75.52%	19.284%

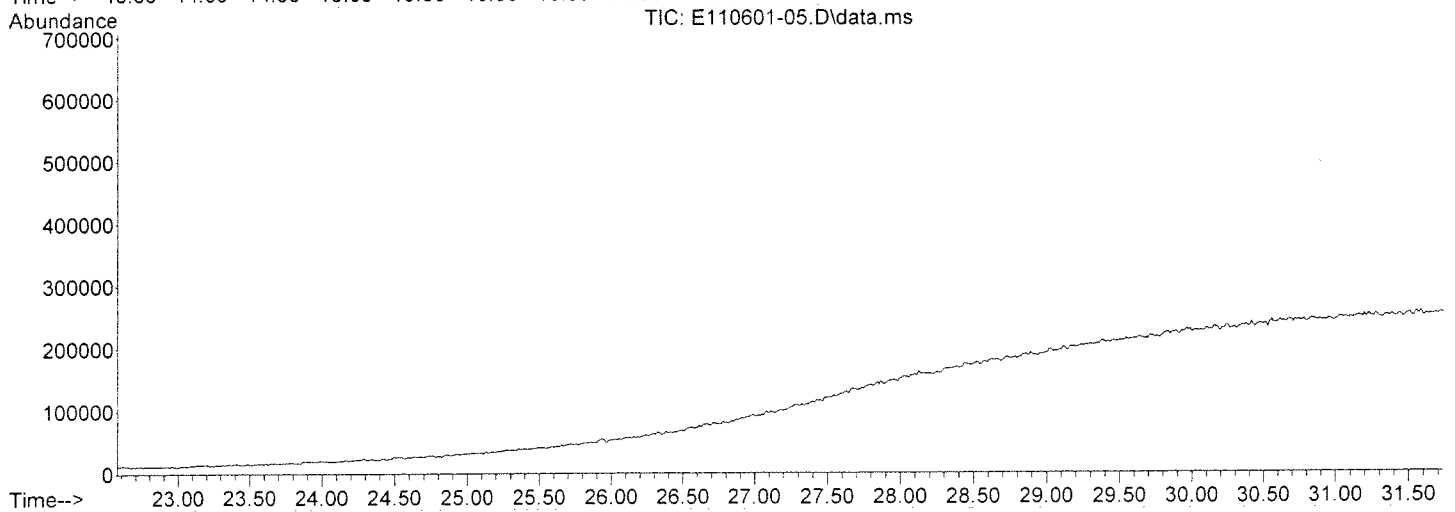
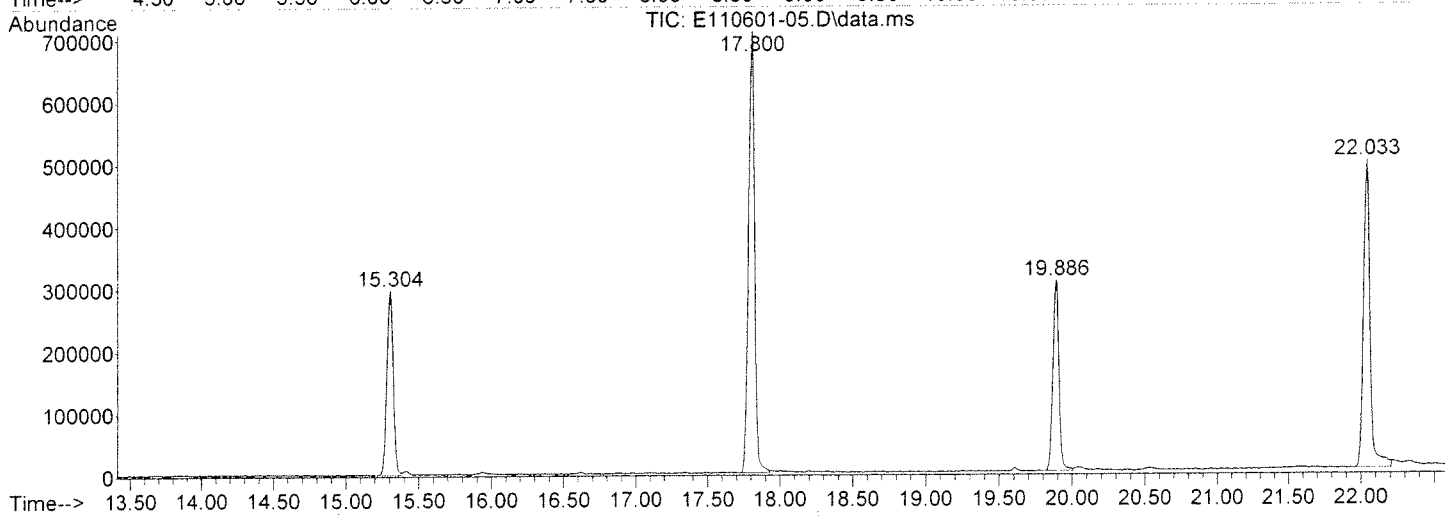
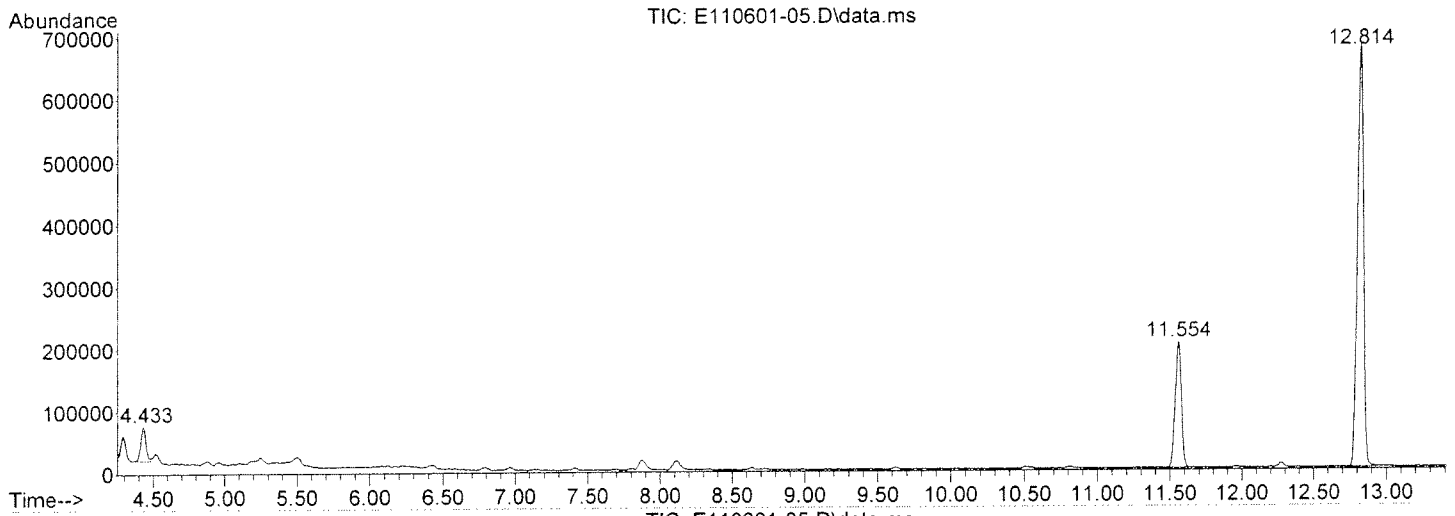
Sum of corrected areas: 8194748

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-05.D
Acq On : 4 Feb 2011 5:58 am
Operator : FW
Sample : E110601-05
Misc : can5928,500cc,ip=13.3,fp=30
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-05.D
Acq On : 4 Feb 2011 5:58 am
Operator : FW
Sample : E110601-05
Misc : can5928,500cc,ip=13.3,fp=30
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-05.D
 Acq On : 4 Feb 2011 5:58 am
 Operator : FW
 Sample : E110601-05
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110303-02RE1.D
 Acq On : 4 Feb 2011 7:36 am
 Operator : FW
 Sample : E110303-02RE1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 08:13:22 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.820	114	953729	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	775127	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	304299	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	16.380	98	232874	0.00	% Rec	0.00
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.432	41	32145	0.22 UG/M3	#	83 bk
3) 7005 Freon 12 (CL2F2Me...	4.518	85	19476	0.12	UG/M3	92
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.		
5) 7025 Chloromethane	4.965	50	7543	0.05 UG/M3	#	42
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	7836	0.06	UG/M3	100
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.		f 2-4-11
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.864	43	110510	0.67	UG/M3	99
15) 7024 Isopropanol	8.115	45	34022	0.20 UG/M3		83 bk
16) 7052 Carbon Disulfide	0.000		0	N.D.		
17) 7026 3-Chloropropene (...)	8.440	41	9744	0.10	UG/M3	68
18) 7045 Methylene Chloride	0.000		0	N.D.		
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	9.149	61	3505	0.03 UG/M3	#	18
22) 7016 Hexane	0.000		0	N.D.		
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.		
26) 7056 cis-1,2-Dichloroe...	10.807	96	169736	2.11	UG/M3	
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	0.000		0	N.D.		
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.275	78	18255	0.06 UG/M3		2.54 bk
36) 7036 Isooctane (2,2,4-...	12.392	57	3434	N.D.		f 2-4-11
37) 7038 Heptane	0.000		0	N.D.		
38) 7100 Trichloroethene	13.297	132	180582	2.33	UG/M3	99
39) 7090 1,2-Dichloropropene	13.664	63	4871	0.07 UG/M3	#	44
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

Qvalue

<MDD
f 2-4-11

<58 99
83 bk

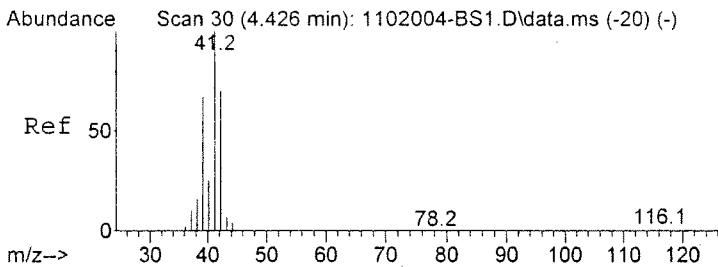
$X \frac{30}{15.1} \times 15 = 62.9$
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 63

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 Acq On : 4 Feb 2011 7:36 am
 Operator : FW
 Sample : E110303-02RE1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 08:13:22 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

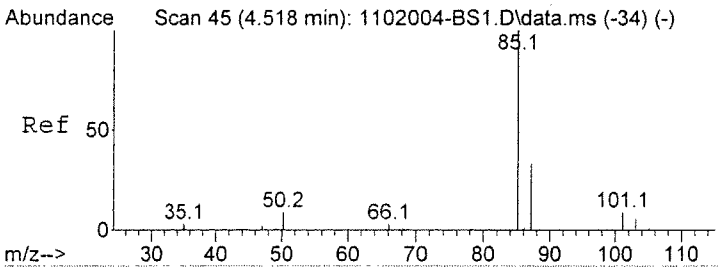
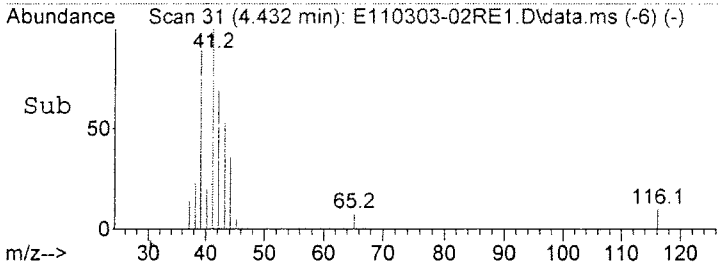
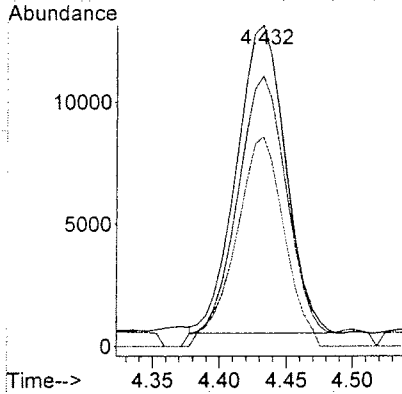
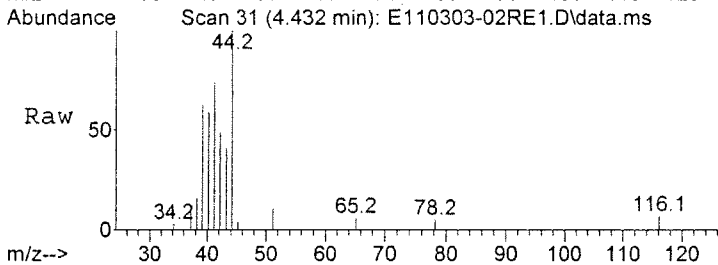
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	14148	0.05 UG/M3		25986K
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	16.380	166	5524316	66.72	UG/M3	off scale
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	0.000		0	N.D.		
55) 7156 (m- and.or p-) Xy...	18.210	91	5253	0.02 UG/M3#		34
56) 7157 o-Xylene	0.000		0	N.D.		
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	21.360	105	3502	0.02 UG/M3#		29
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed



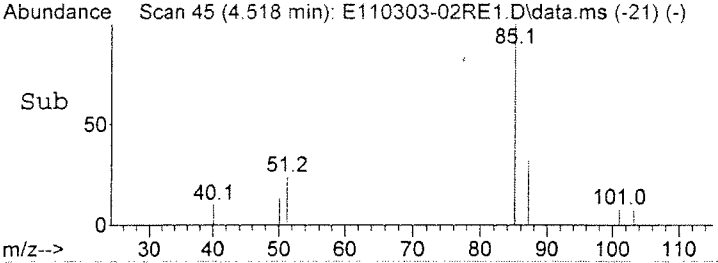
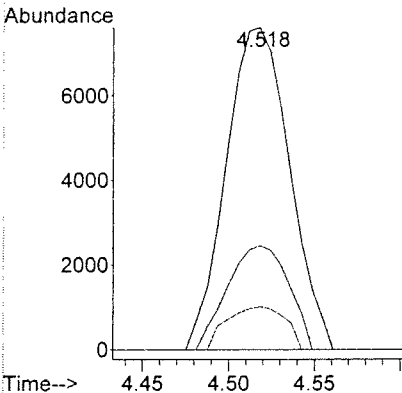
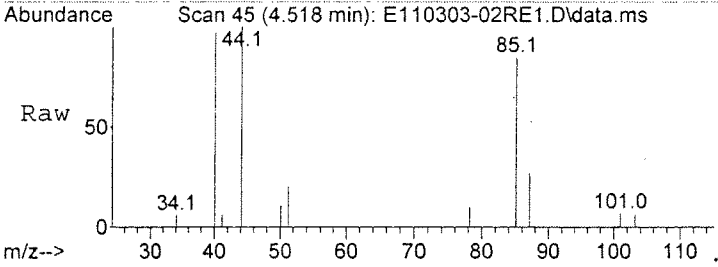
#2
 7001 Propene
 Concen: 0.22 UG/M3
 RT: 4.432 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

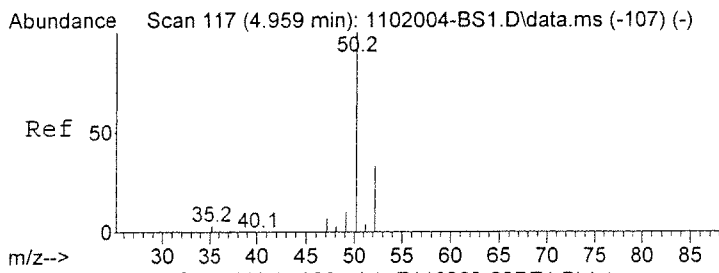
Tgt Ion	Ratio	Lower	Upper
41	100		
39	92.6	46.6	86.6#
42	66.6	48.0	88.0



#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 0.12 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

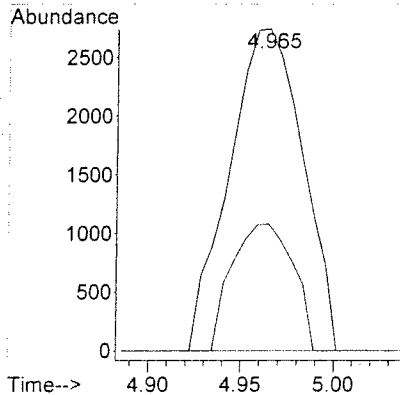
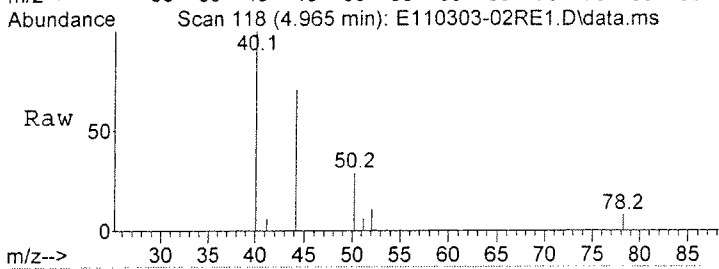
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	12.7	52.7
50	0.0	0.0	29.4



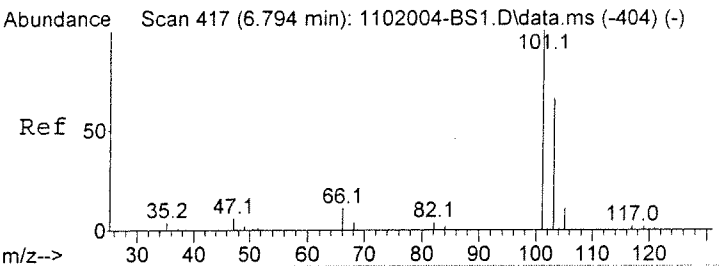
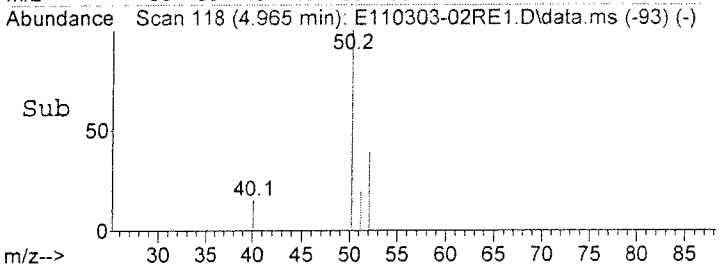


#5
 7025 Chloromethane
 Concen: 0.05 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion: 50 Resp: 7543
 Ion Ratio Lower Upper
 50 100
 52 0.0 12.8 52.8#

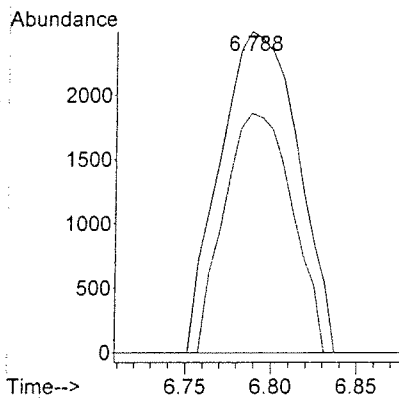
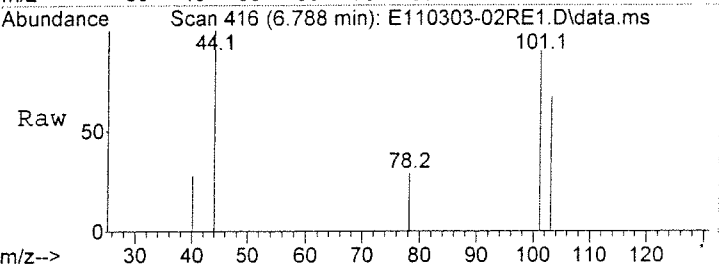


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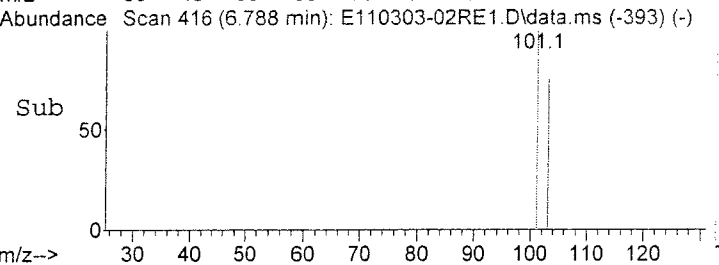


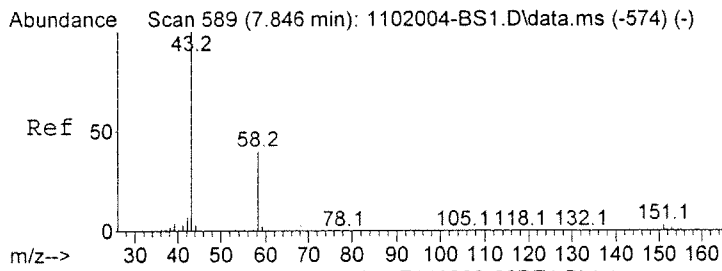
#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.06 UG/M3
 RT: 6.788 min Scan# 416
 Delta R.T. -0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion: 101 Resp: 7836
 Ion Ratio Lower Upper
 101 100
 103 64.9 44.7 84.7



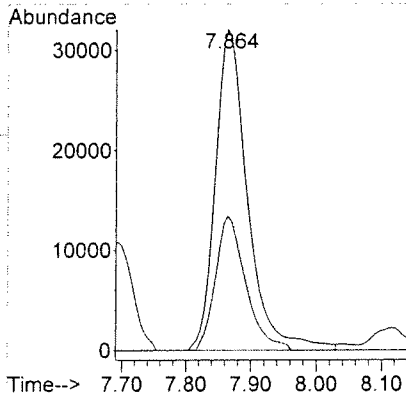
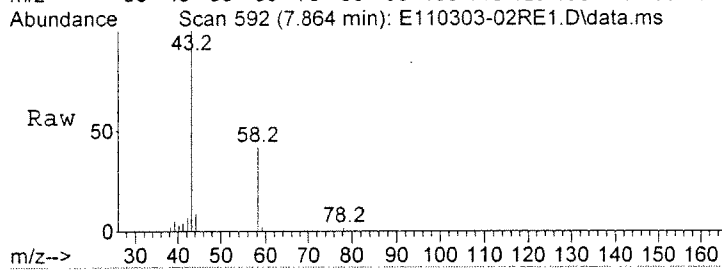
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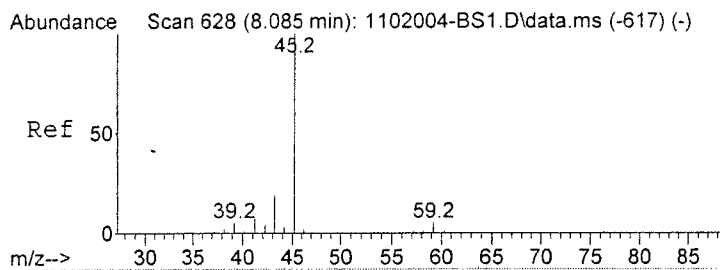
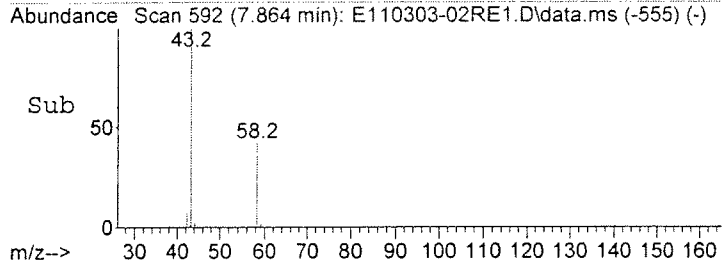


#14
 7051 Acetone
 Concen: 0.67 UG/M3
 RT: 7.864 min Scan# 592
 Delta R.T. 0.024 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	19.9	59.9

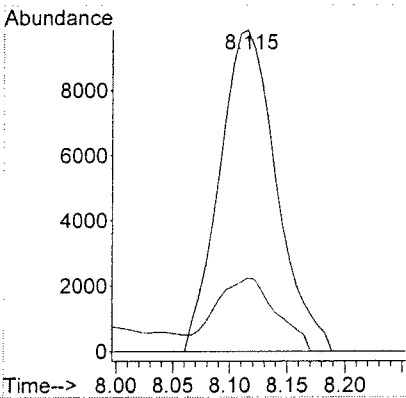
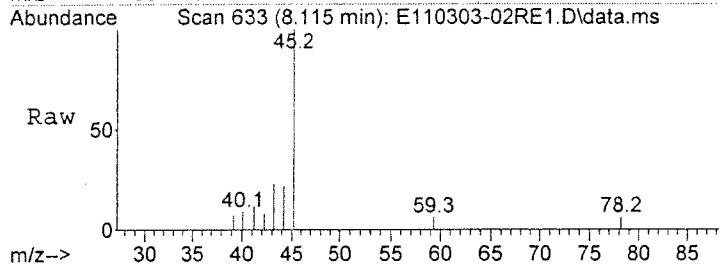


25x BK

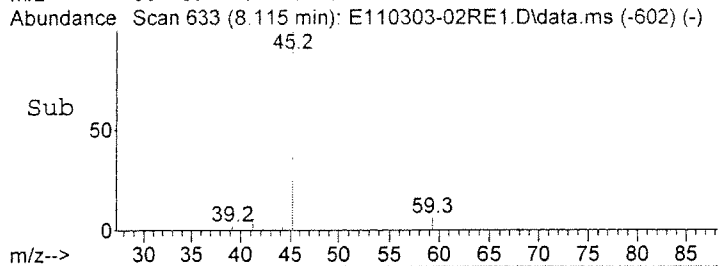


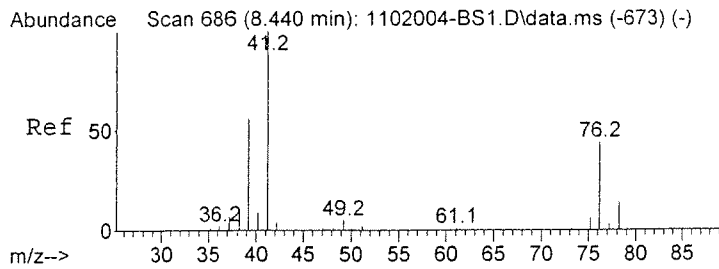
#15
 7024 Isopropanol
 Concen: 0.20 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Ratio	Lower	Upper
45	100		
43	24.6	0.0	37.4



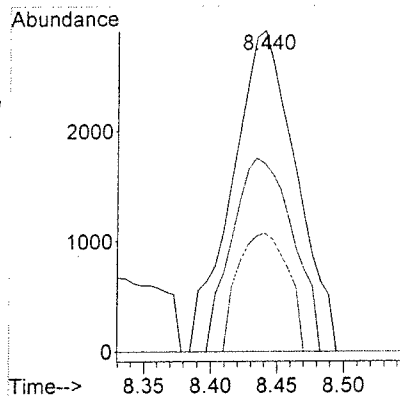
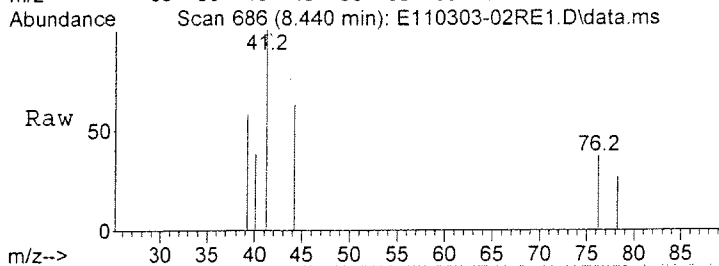
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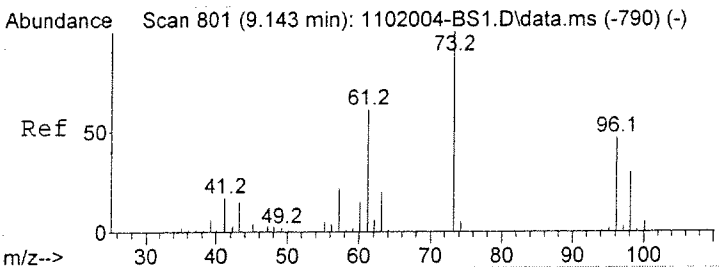
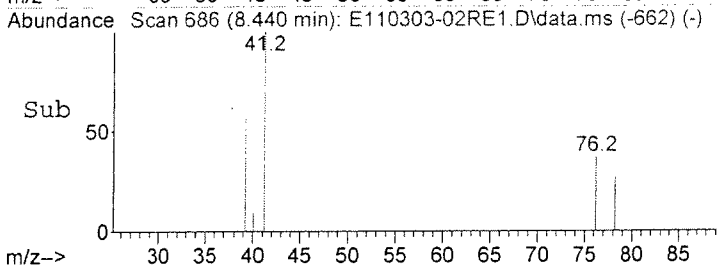


#17
 7026 3-Chloropropene (Allyl Chloride)
 Concen: 0.10 UG/M3
 RT: 8.440 min Scan# 686
 Delta R.T. -0.000 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion:	41	Resp:	9744
Ion Ratio	Lower	Upper	
41	100		
39	57.6	36.5	76.5
76	0.0	25.5	65.5#

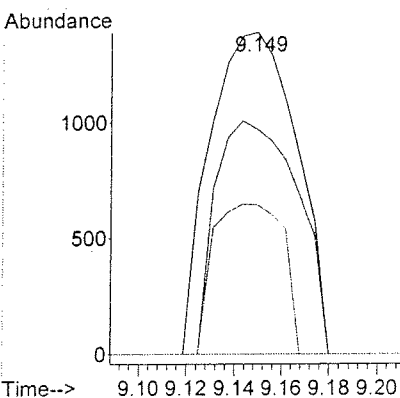
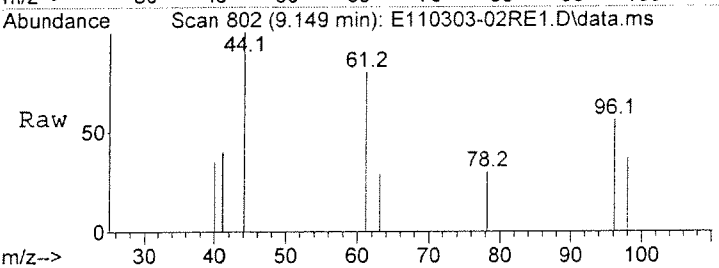


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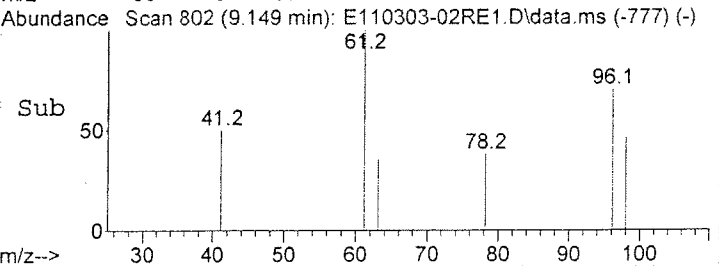


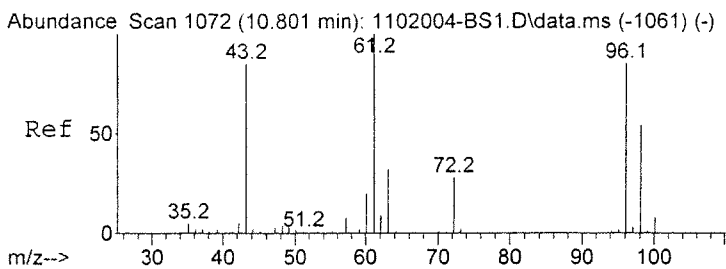
#21
 7060 trans-1,2-Dichloroethene
 Concen: 0.03 UG/M3
 RT: 9.149 min Scan# 802
 Delta R.T. 0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion:	61	Resp:	3505
Ion Ratio	Lower	Upper	
61	100		
96	0.0	55.8	95.8#
98	0.0	28.2	68.2#



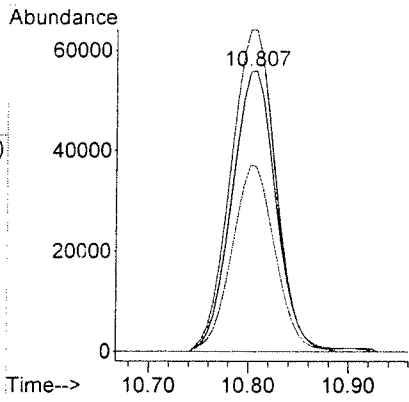
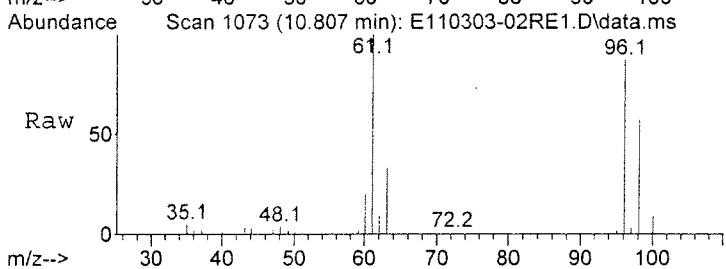
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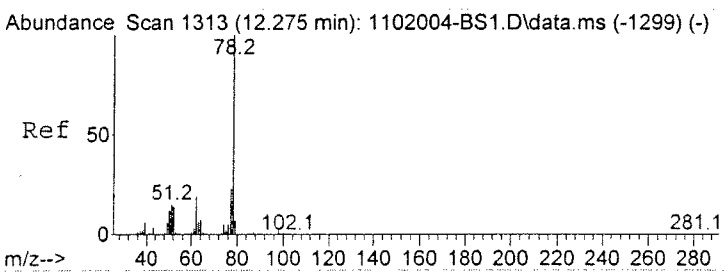
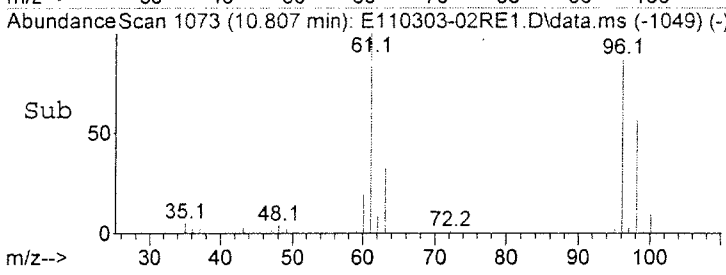


#26
 7056 cis-1,2-Dichloroethene
 Concen: 2.11 UG/M3
 RT: 10.807 min Scan# 1073
 Delta R.T. -0.000 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Resp	Lower	Upper
96	169736		
96	100		
61	117.6	103.6	143.6
98	65.0	44.1	84.1

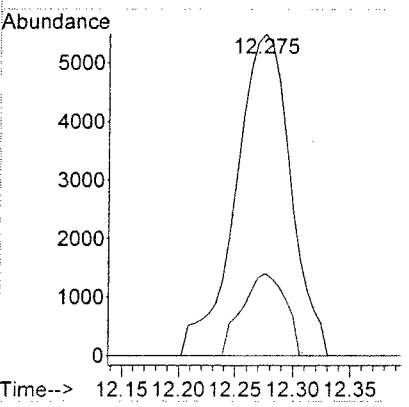
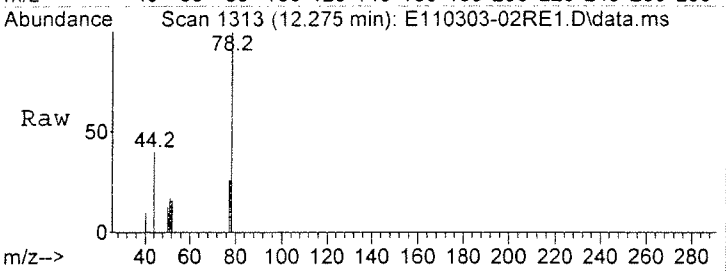


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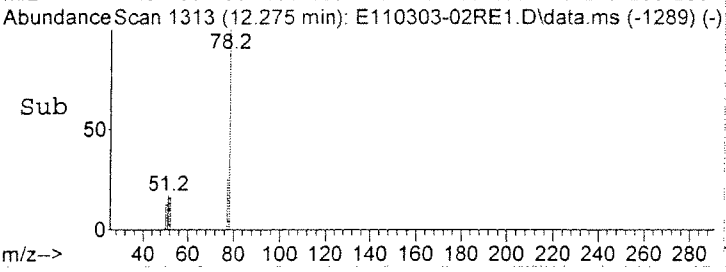


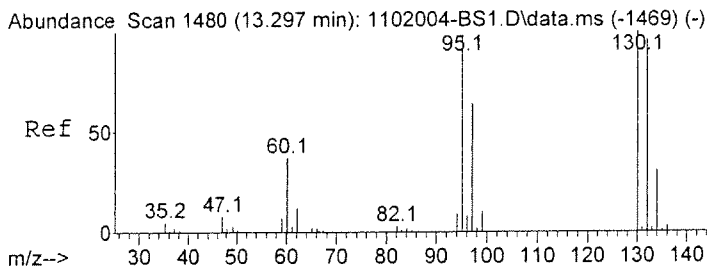
#35
 7105 Benzene
 Concen: 0.06 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Resp	Lower	Upper
78	18255		
78	100		
77	20.1	2.8	42.8



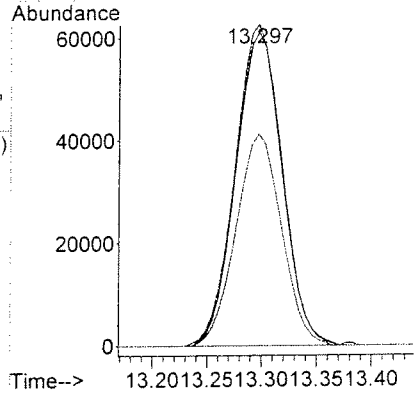
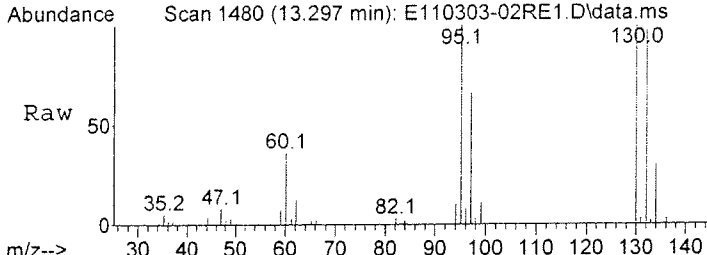
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 15x b1K



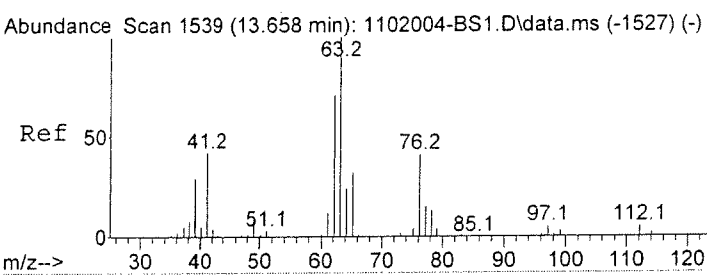
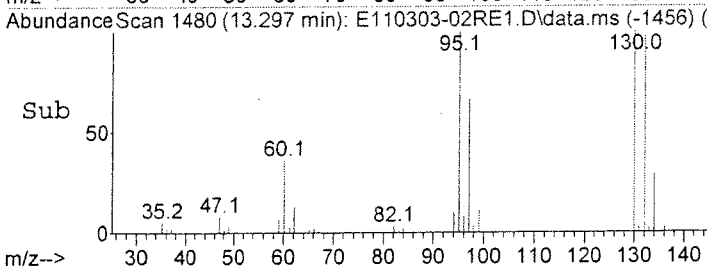


#38
 7100 Trichloroethene
 Concen: 2.33 UG/M3
 RT: 13.297 min Scan# 1480
 Delta R.T. -0.000 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Resp	Lower	Upper
132	100		
95	102.1	81.4	121.4
97	66.0	45.5	85.5

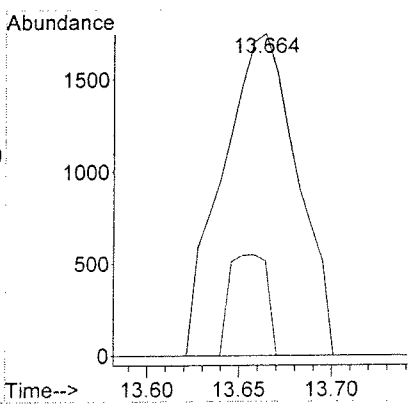
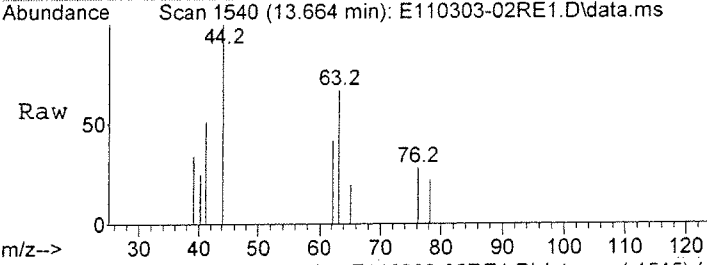


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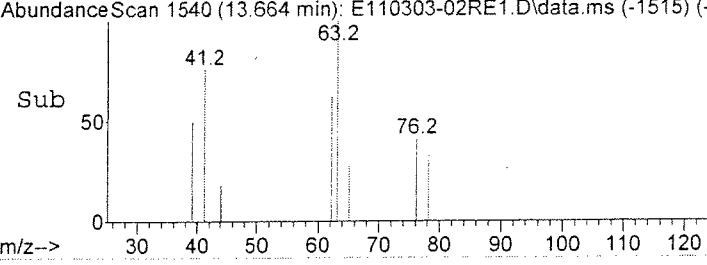


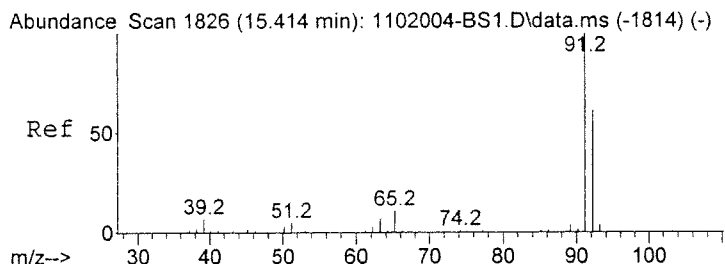
#39
 7090 1,2-Dichloropropane
 Concen: 0.07 UG/M3
 RT: 13.664 min Scan# 1540
 Delta R.T. 0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Resp	Lower	Upper
63	100		
65	0.0	11.1	51.1#



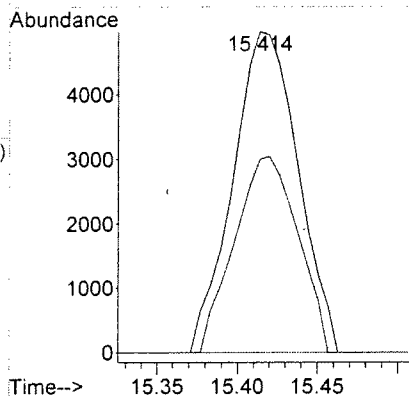
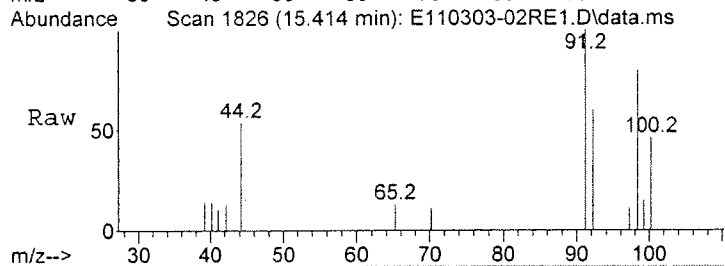
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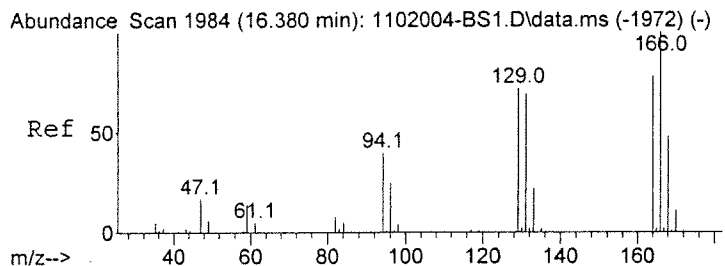
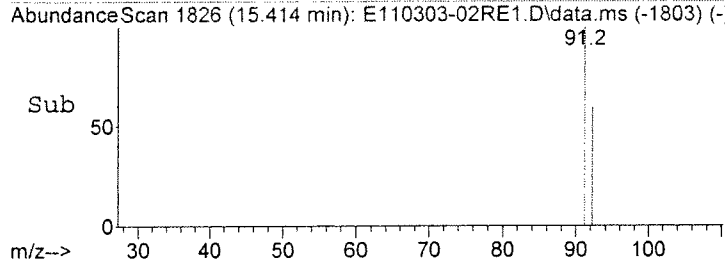


#46
 7145 Toluene
 Concen: 0.05 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Resp	Lower	Upper
91	14148		
92	59.5	41.1	81.1

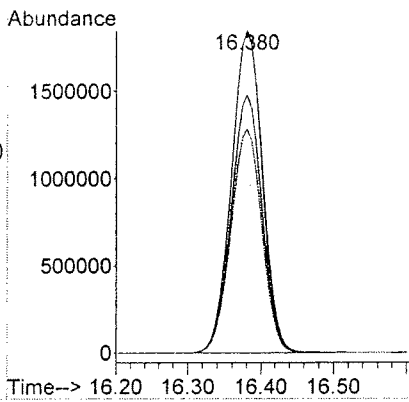
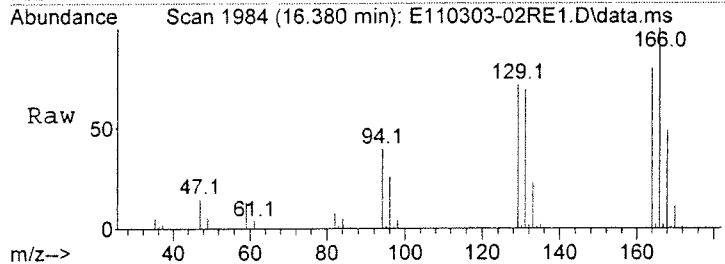


25 x 61K

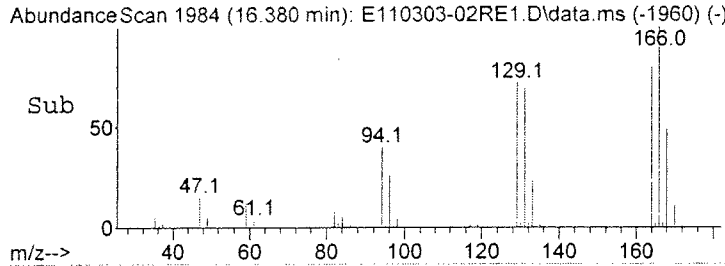


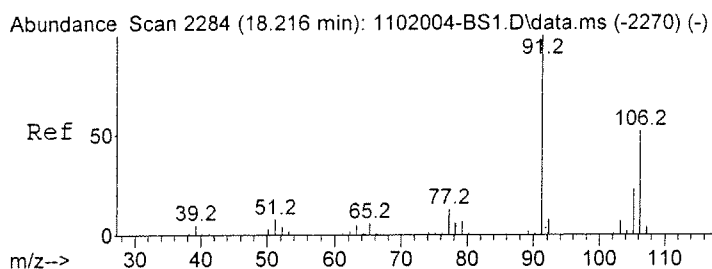
#49
 7140 Tetrachloroethene
 Concen: 66.72 UG/M3
 RT: 16.380 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Resp	Lower	Upper
166	5524316		
164	79.4	58.7	98.7
131	69.1	48.6	88.6



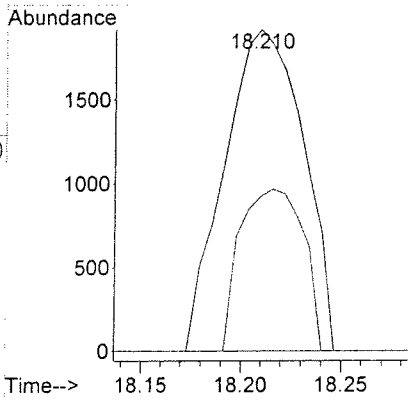
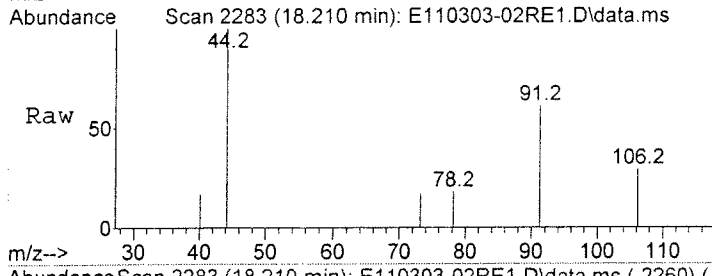
off scale



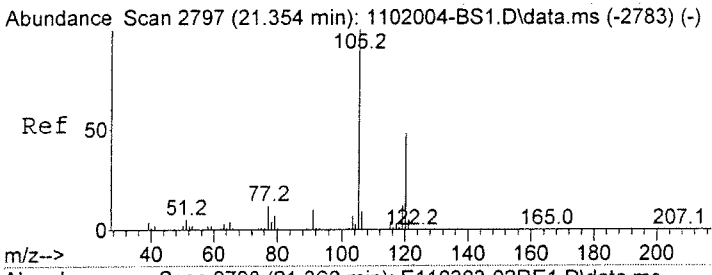
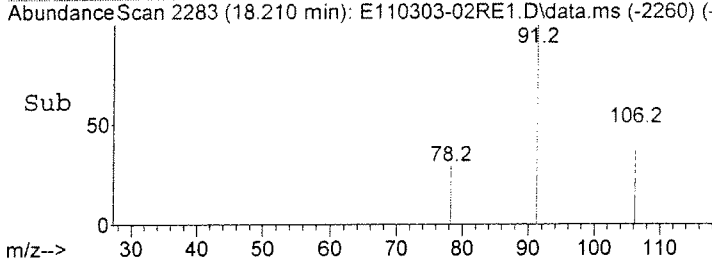


#55
 7156 (m- and/or p-) Xylene
 Concen: 0.02 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	32.5	72.5#
105	0.0	2.9	42.9#

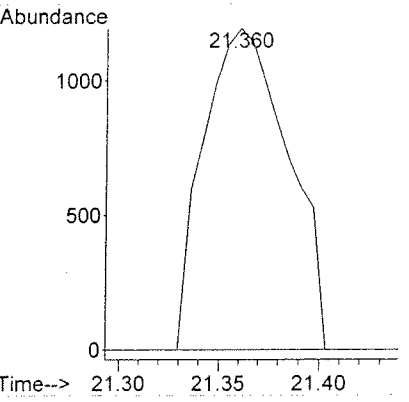
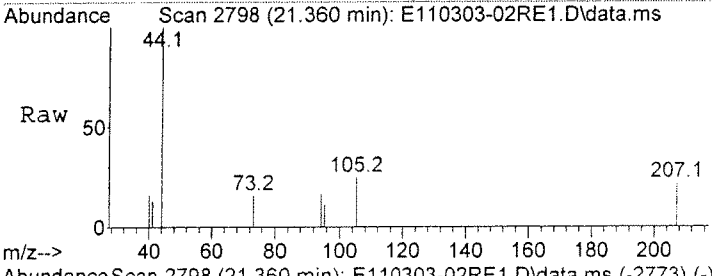


CMDL

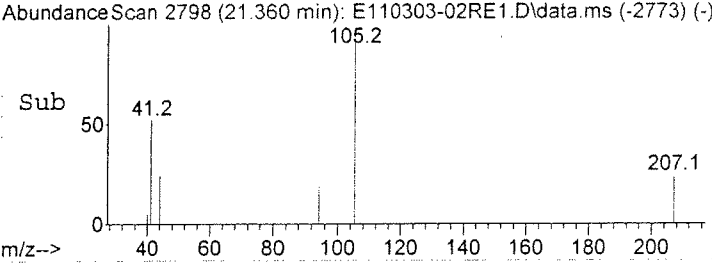


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.02 UG/M3
 RT: 21.360 min Scan# 2798
 Delta R.T. 0.006 min
 Lab File: E110303-02RE1.D
 Acq: 4 Feb 2011 7:36 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	28.1	68.1#



CMDL



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110303-02RE1.D
 Acq On : 4 Feb 2011 7:36 am
 Operator : FW
 Sample : E110303-02RE1
 Misc : 15xcanA,can4547,500cc,ip=15.1,fp=30
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110303-02RE1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	19	rVB	43753	110144	0.36%	0.156%
2	4.432	20	31	39	rBV4	57726	153353	0.50%	0.218%
3	5.503	195	206	218	rVB2	28231	100828	0.33%	0.143%
4	7.669	548	560	575	rVB2	26355	109726	0.36%	0.156%
5	7.865	575	592	605	rBV	52727	178284	0.59%	0.253%
6	10.801	1061	1072	1086	rBV	223688	676648	2.22%	0.961%
7	11.553	1180	1195	1216	rBV	2359305	7203534	23.64%	10.227%
8	12.820	1390	1402	1417	rBV	678543	1978060	6.49%	2.808%
9	13.297	1469	1480	1492	rVB	329665	957111	3.14%	1.359%
10	14.527	1668	1681	1699	rBV	223276	686698	2.25%	0.975%
11	15.304	1783	1808	1822	rBV2	3680413	11064433	36.31%	15.709%
12	16.380	1969	1984	2016	rBV	10206002	30475665	100.00%	43.268%
13	17.800	2204	2216	2240	rBV	728388	2133866	7.00%	3.030%
14	19.886	2541	2557	2575	rBV	4449734	12927408	42.42%	18.354%
15	22.033	2896	2908	2935	rBV	546832	1679606	5.51%	2.385%

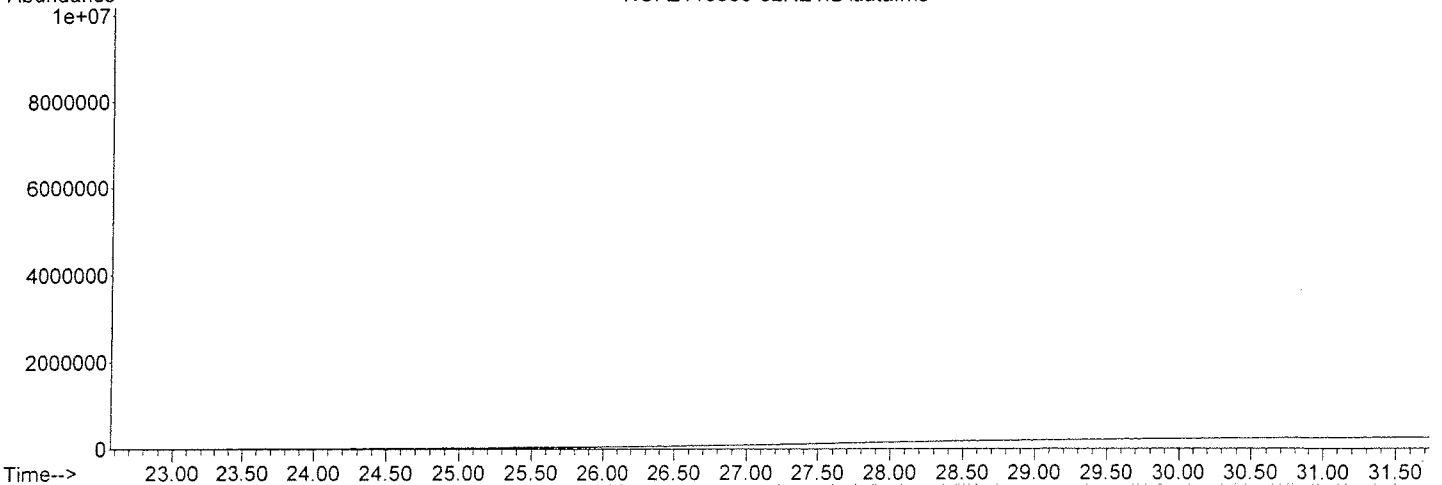
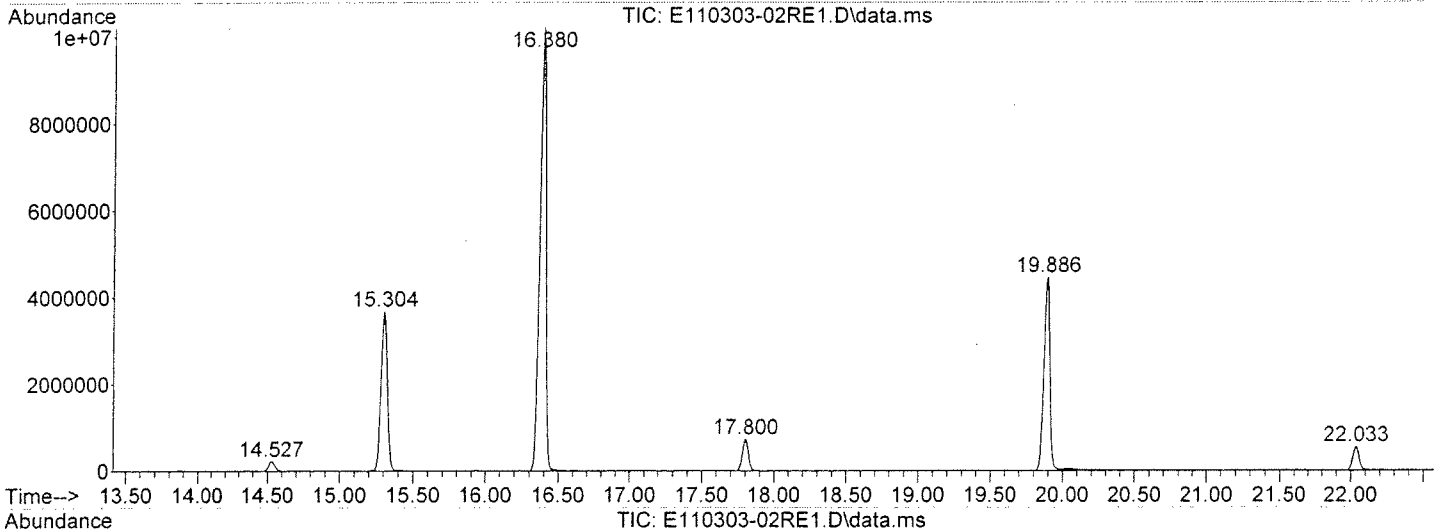
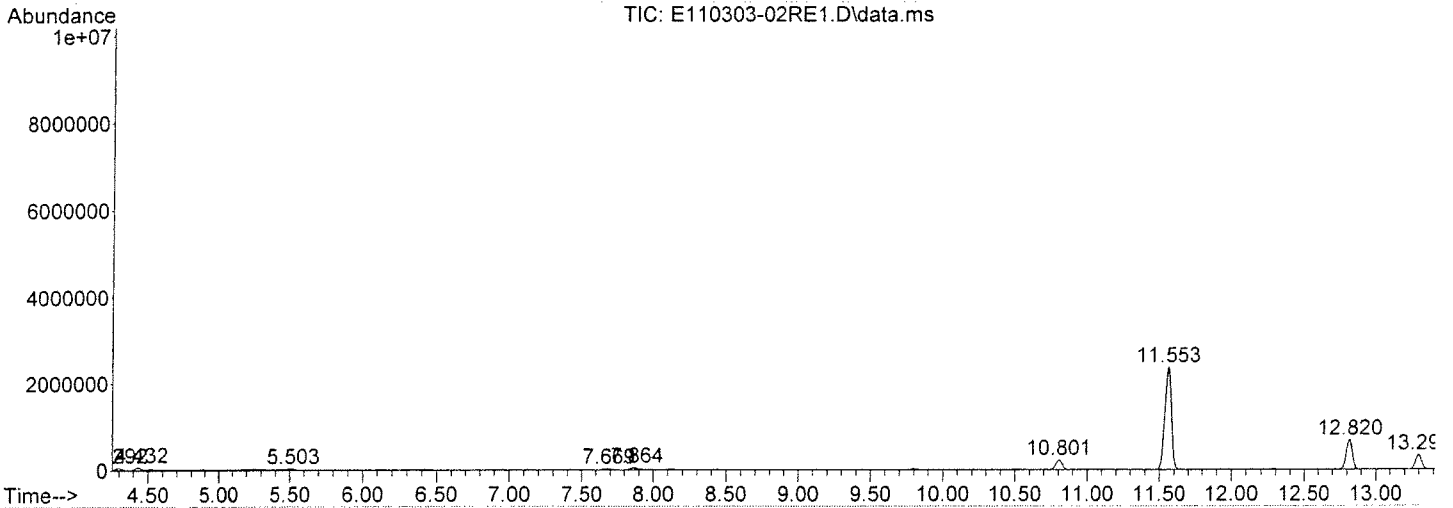
Sum of corrected areas: 70435364

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110303-02RE1.D
Acq On : 4 Feb 2011 7:36 am
Operator : FW
Sample : E110303-02RE1
Misc : 15xcanA,can4547,500cc,ip=15.1,fp=30
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110303-02RE1.D
 Acq On : 4 Feb 2011 7:36 am
 Operator : FW
 Sample : E110303-02RE1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Propylene Glycol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.527	8.26 UG/M3 ¹⁰	686698	IS01 Difluorobenzene	12.820

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Propylene Glycol	76	C3H8O2	000057-55-6	45
2		R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	45
3		Propane, 2-ethoxy-	88	C5H12O	000625-54-7	45
4		2-Propanol, 1-chloro-	94	C3H7ClO	000127-00-4	43
5		2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	38

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110303-02RE1.D
 Acq On : 4 Feb 2011 7:36 am
 Operator : FW
 Sample : E110303-02RE1
 Misc : 15xcanA,can4547,500cc,ip=15.1,fp=30
 ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
ropylene Glycol	14.527	8.3	UG/M3	686698	1	12.820	1978060	23.8

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-DUP1.D
 Acq On : 4 Feb 2011 8:25 am
 Operator : FW
 Sample : 1102004-DUP1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 08:55:28 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) IS01 Difluorobenzene	12.820	114	935719	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	765258	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	298920	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.381	98	230130	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
2) 7001 Propene	4.433	41	33523	0.24	UG/M3#		93 <i>61K</i>
3) 7005 Freon 12 (CL2F2Me...	4.518	85	18430	0.11	UG/M3#		93
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.			
5) 7025 Chloromethane	4.965	50	7275	0.05	UG/M3#		42
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	7585	0.06	UG/M3		92
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.			
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.865	43	105455	0.65	UG/M3		98 <i>61K</i>
15) 7024 Isopropanol	8.116	45	32844	0.20	UG/M3		76
16) 7052 Carbon Disulfide	0.000		0	N.D.			
17) 7026 3-Chloropropene (...)	8.440	41	9299	0.10	UG/M3#		68 <i>MDL</i>
18) 7045 Methylene Chloride	8.636	49	3365	0.04	UG/M3#		13 <i>fu 2-4-11</i>
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	9.143	61	3669	0.03	UG/M3#		18
22) 7016 Hexane	0.000		0	N.D.			
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.			
26) 7056 cis-1,2-Dichloroe...	10.801	96	172055	2.18	UG/M3		96
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	0.000		0	N.D.			
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	0.000		0	N.D.			
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.276	78	18118	0.06	UG/M3		99 <i>61K</i>
36) 7036 Isooctane (2,2,4-...	12.398	57	3311	N.D.			
37) 7038 Heptane	0.000		0	N.D.			
38) 7100 Trichloroethene	13.297	132	180673	2.38	UG/M3		99
39) 7090 1,2-Dichloropropane	13.652	63	4352	0.06	UG/M3#		44
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-DUP1.D
 Acq On : 4 Feb 2011 8:25 am
 Operator : FW
 Sample : 1102004-DUP1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

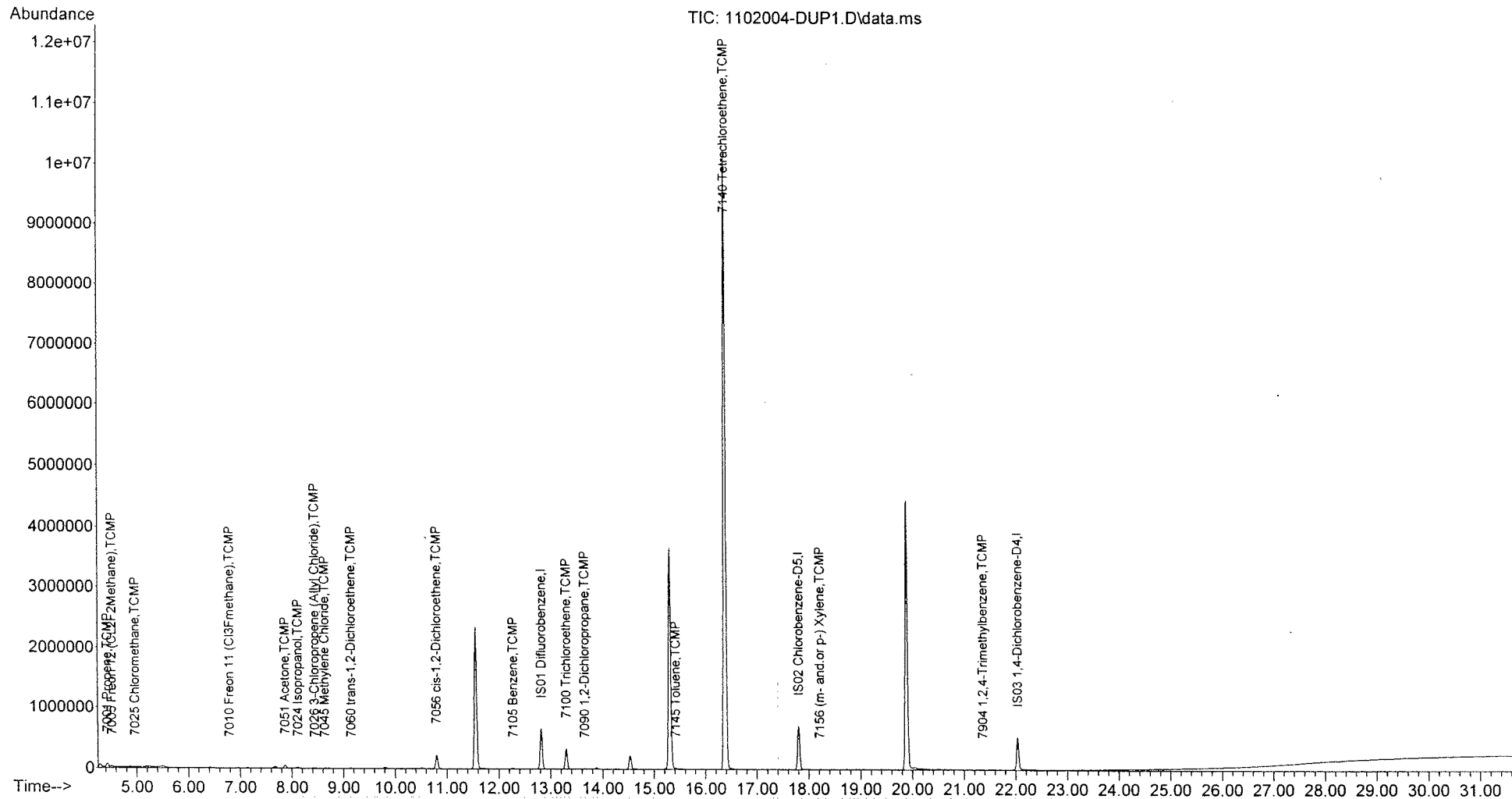
Quant Time: Feb 04 08:55:28 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

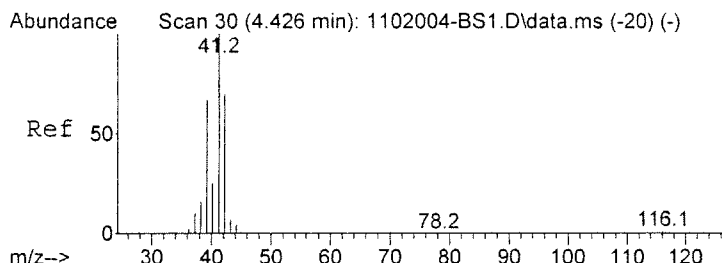
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	13680	0.05	UG/M3	34
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	16.381	166	5549777	67.90	UG/M3	34
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	0.000		0		N.D.	
55) 7156 (m- and/or p-) Xy...	18.210	91	5570	0.02	UG/M3#	34
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	0.000		0		N.D.	
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	21.360	105	3245	0.02	UG/M3#	29
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-DUP1.D
 Acq On : 4 Feb 2011 8:25 am
 Operator : FW
 Sample : 1102004-DUP1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

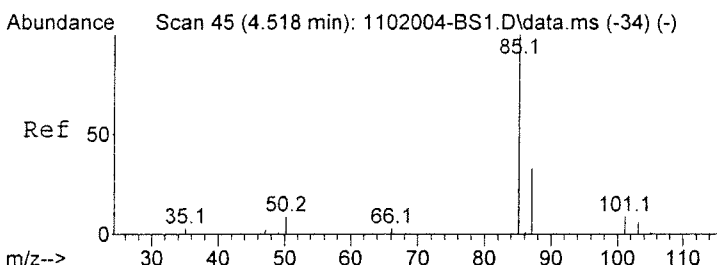
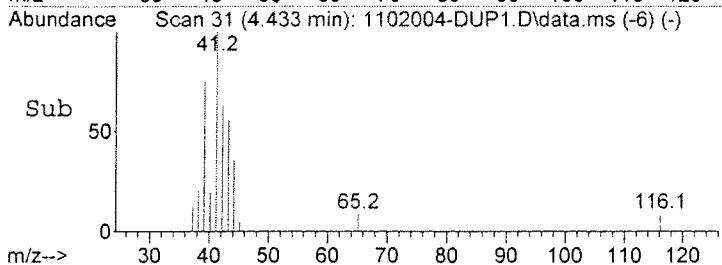
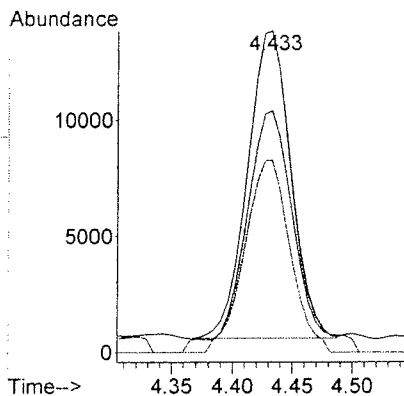
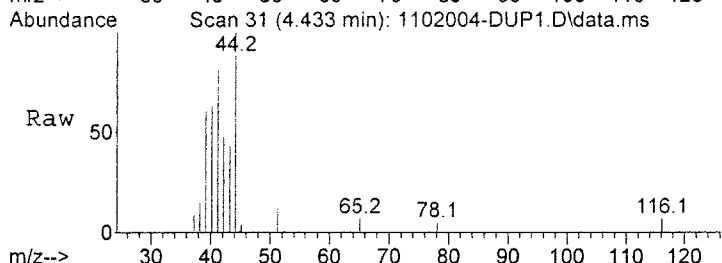
Quant Time: Feb 04 08:55:28 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration





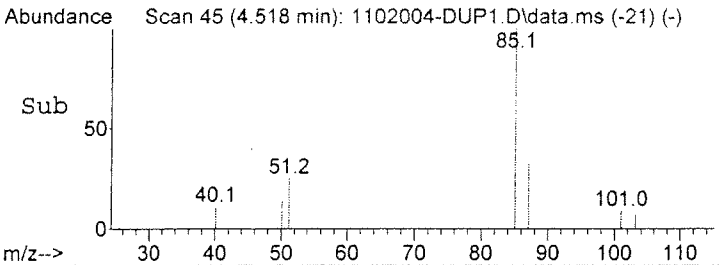
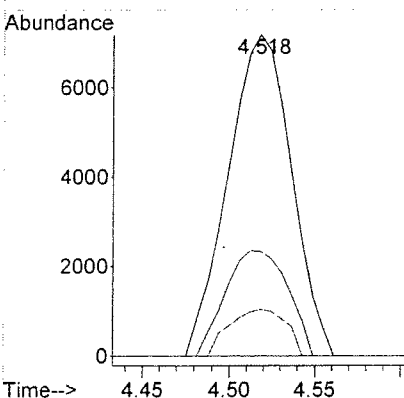
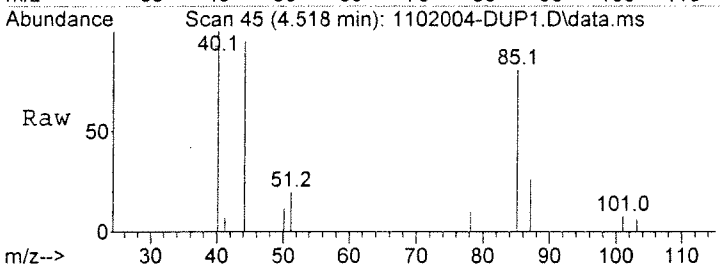
#2
 7001 Propene
 Concen: 0.24 UG/M3
 RT: 4.433 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

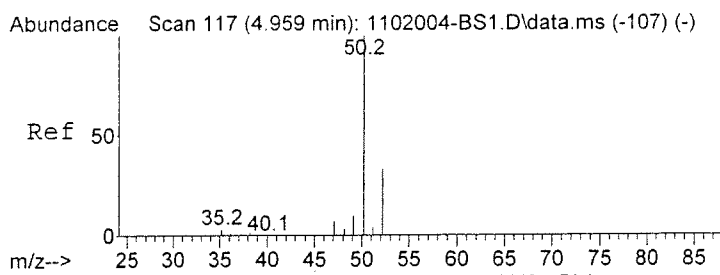
Tgt Ion	Resp	Lower	Upper
41	100		
39	87.8	46.6	86.6#
42	65.3	48.0	88.0



#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 0.11 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

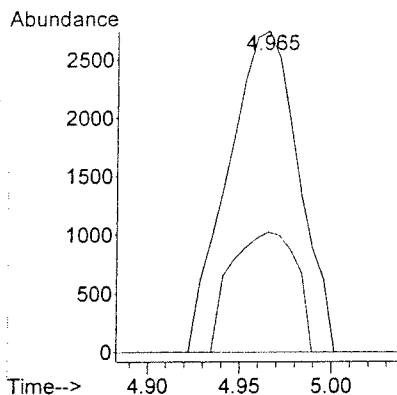
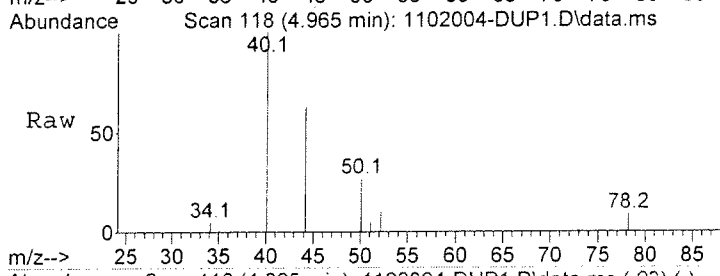
Tgt Ion	Resp	Lower	Upper
85	100		
87	32.1	12.7	52.7
50	0.0	0.0	29.4



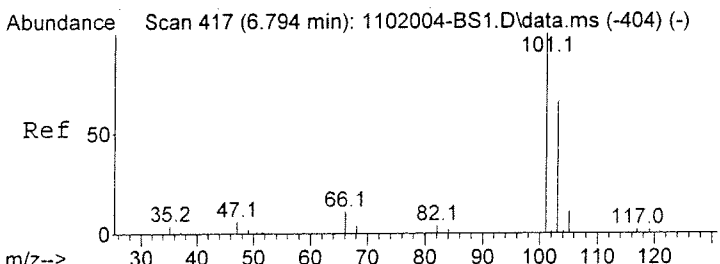
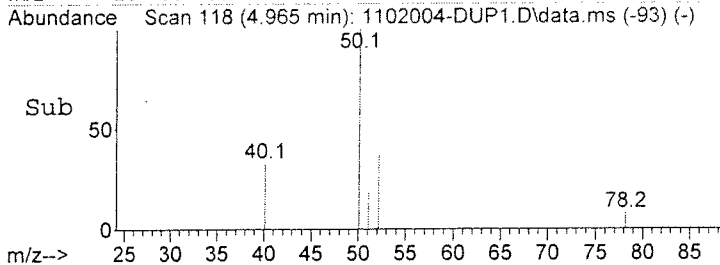


#5
 7025 Chloromethane
 Concen: 0.05 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion: 50 Resp: 7275
 Ion Ratio Lower Upper
 50 100
 52 0.0 12.8 52.8#

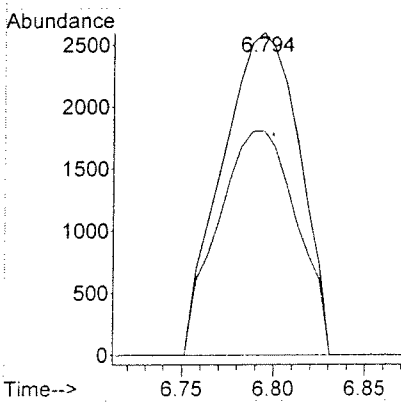
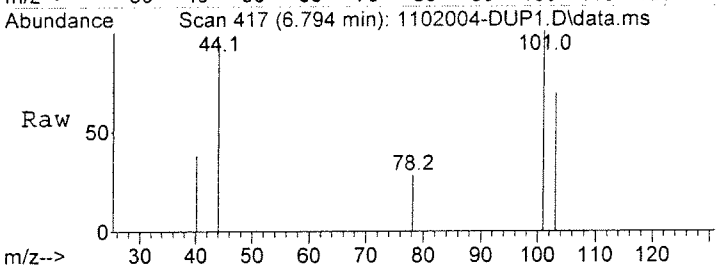


no

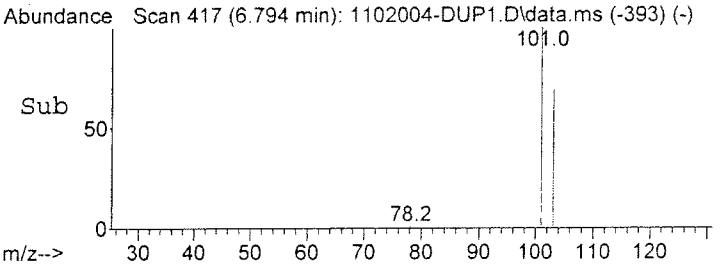


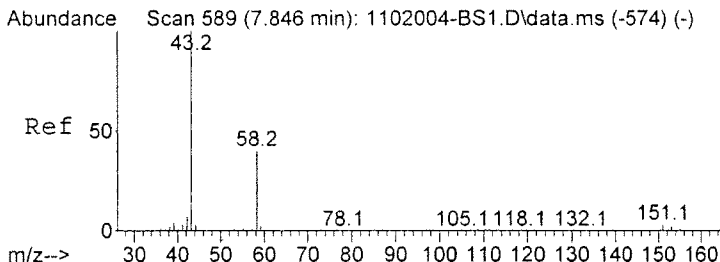
#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.06 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. 0.000 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion: 101 Resp: 7585
 Ion Ratio Lower Upper
 101 100
 103 71.1 44.7 84.7



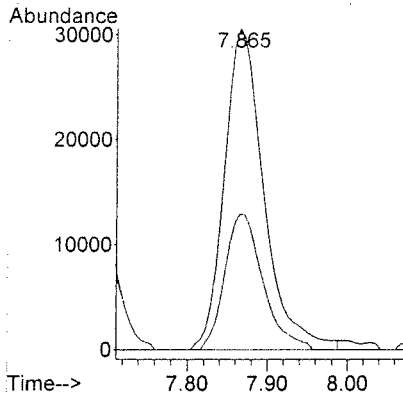
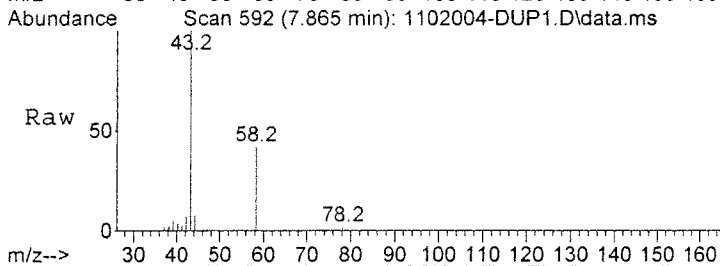
<MDL



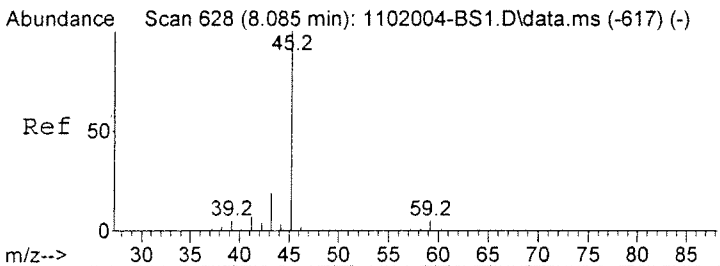
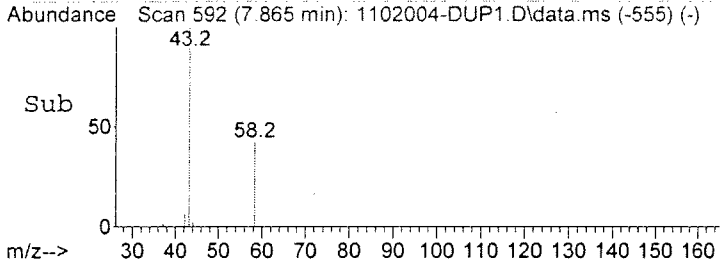


#14
 7051 Acetone
 Concen: 0.65 UG/M3
 RT: 7.865 min Scan# 592
 Delta R.T. 0.025 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion: 43 Resp: 105455
 Ion Ratio Lower Upper
 43 100
 58 40.8 19.9 59.9

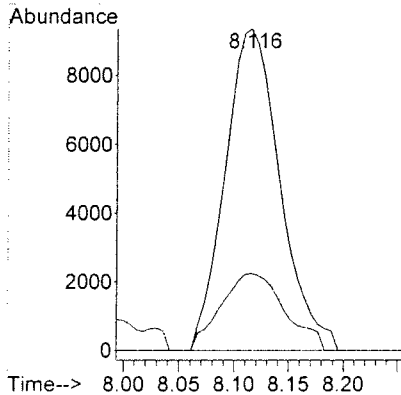
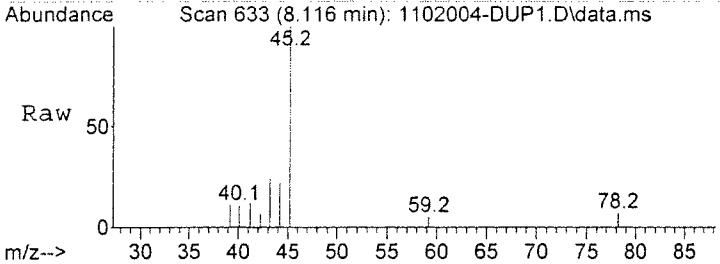


<5x blK

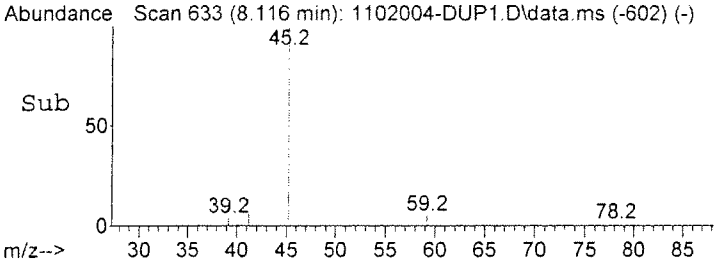


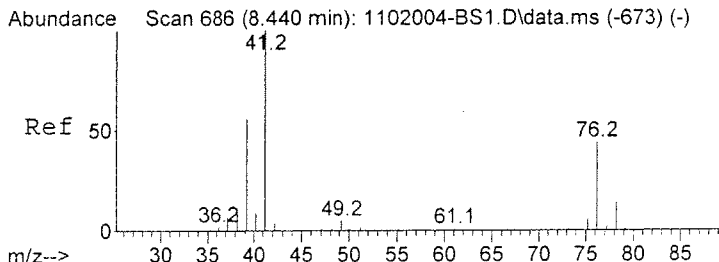
#15
 7024 Isopropanol
 Concen: 0.20 UG/M3
 RT: 8.116 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion: 45 Resp: 32844
 Ion Ratio Lower Upper
 45 100
 43 27.8 0.0 37.4



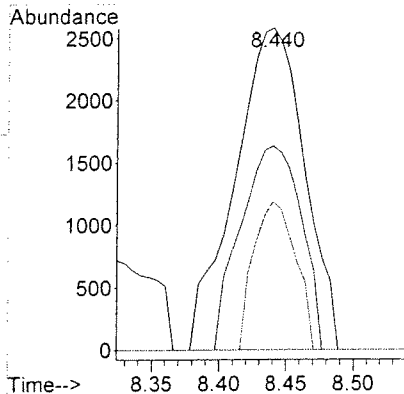
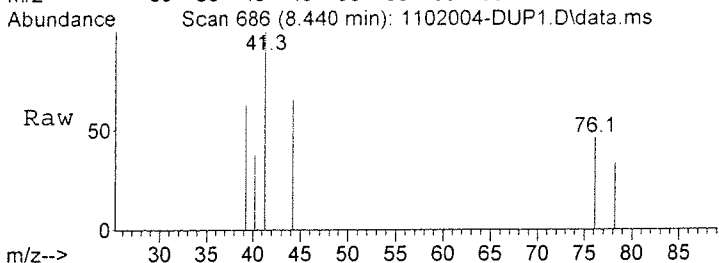
<5x blK



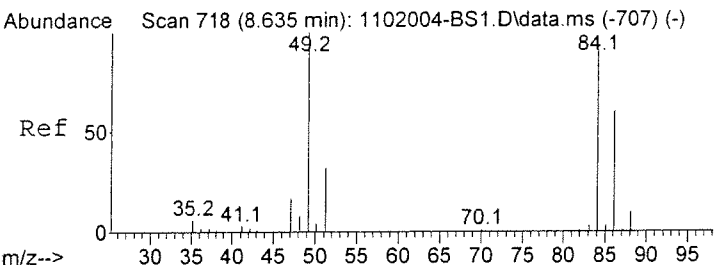
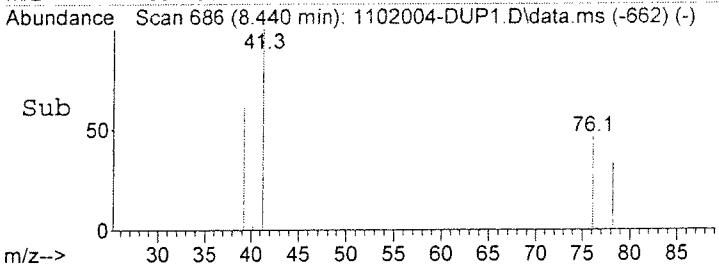


#17
 7026 3-Chloropropene (Allyl Chloride)
 Concen: 0.10 UG/M3
 RT: 8.440 min Scan# 686
 Delta R.T. 0.000 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.3	36.5	76.5
76	0.0	25.5	65.5#

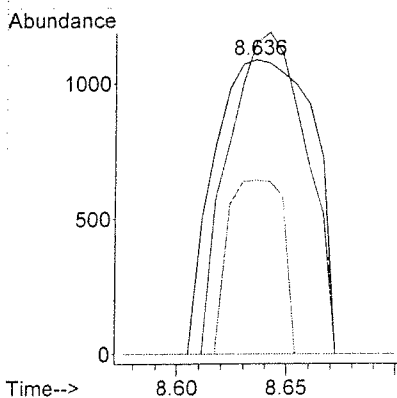
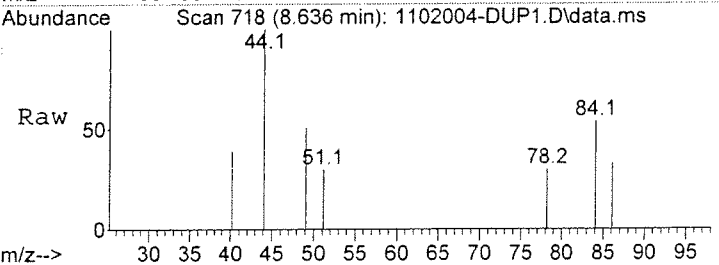


OK

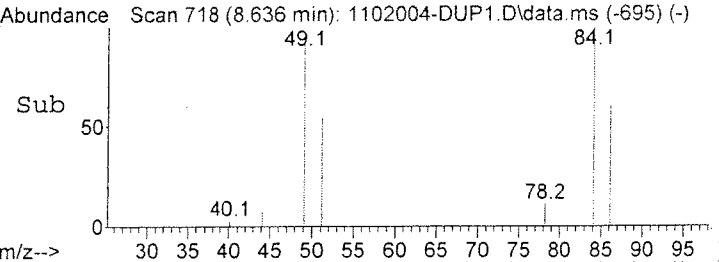


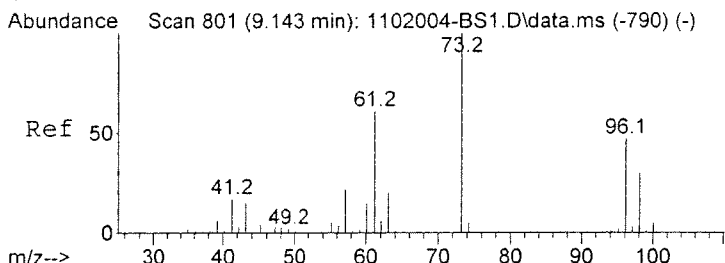
#18
 7045 Methylene Chloride
 Concen: 0.04 UG/M3
 RT: 8.636 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	0.0	72.8	112.8#
51	0.0	11.5	51.5#



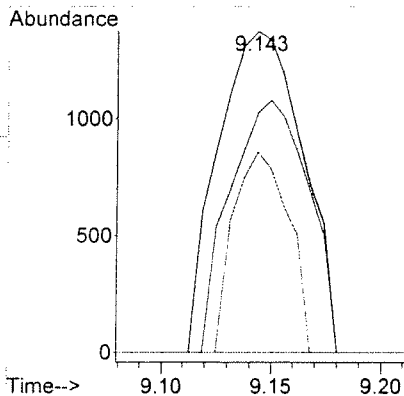
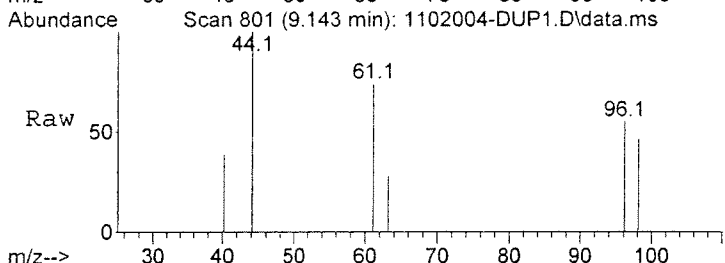
NO



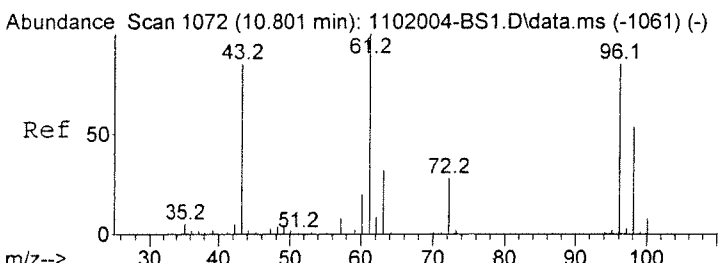
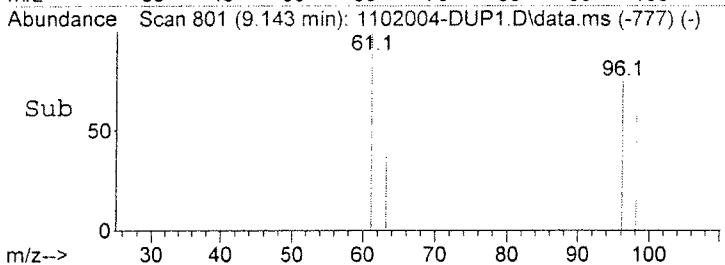


#21
 7060 trans-1,2-Dichloroethene
 Concen: 0.03 UG/M3
 RT: 9.143 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion	Resp	Lower	Upper
61	3669		
96	100	55.8	95.8#
98	0.0	28.2	68.2#

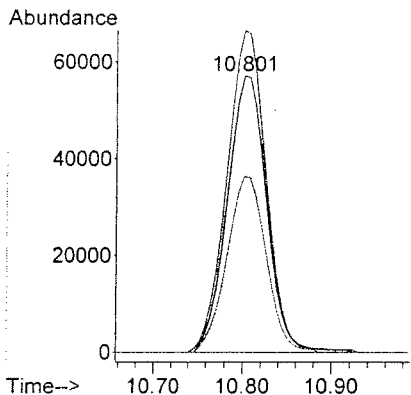
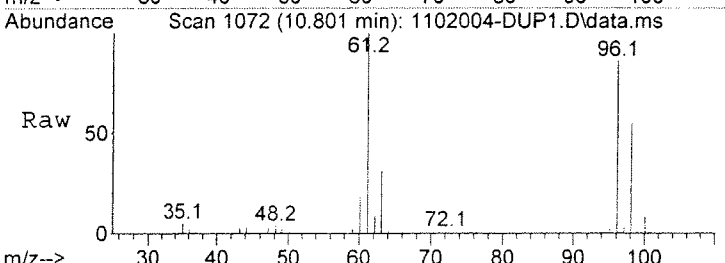


CMDL

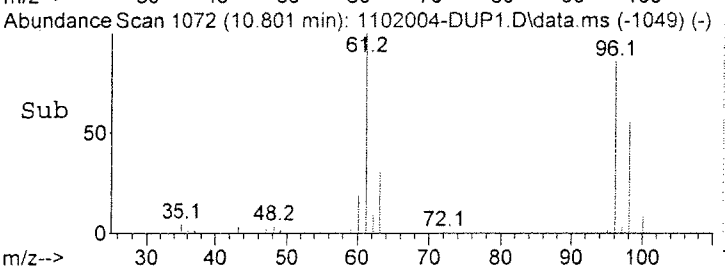


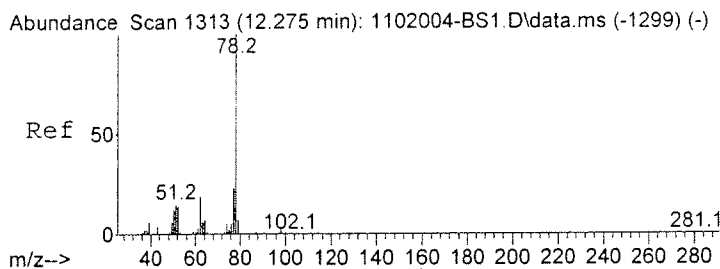
#26
 7056 cis-1,2-Dichloroethene
 Concen: 2.18 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. -0.006 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion	Resp	Lower	Upper
96	172055		
61	100	103.6	143.6
98	117.0	44.1	84.1



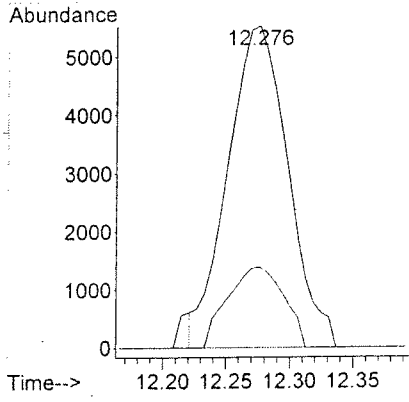
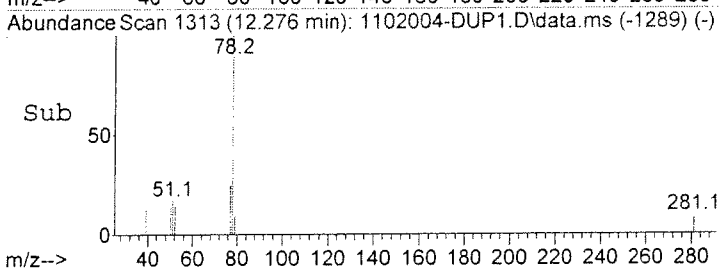
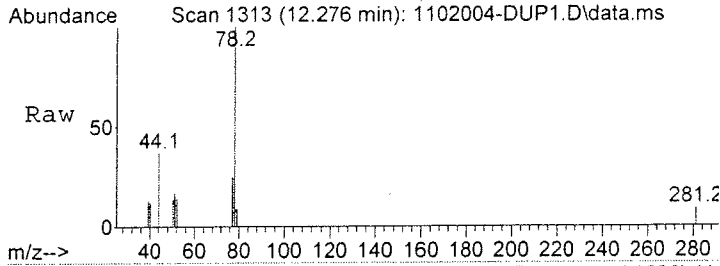
OK



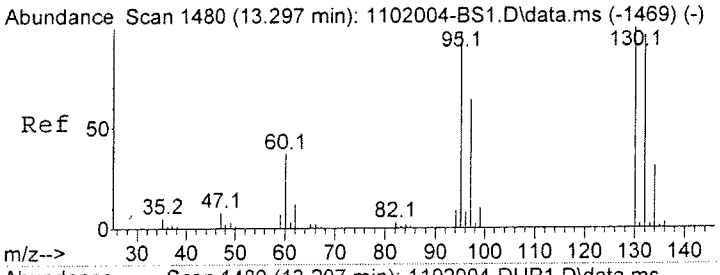


#35
 7105 Benzene
 Concen: 0.06 UG/M3
 RT: 12.276 min Scan# 1313
 Delta R.T. 0.000 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion	Resp	Lower	Upper
78	18118		
77	23.5	2.8	42.8

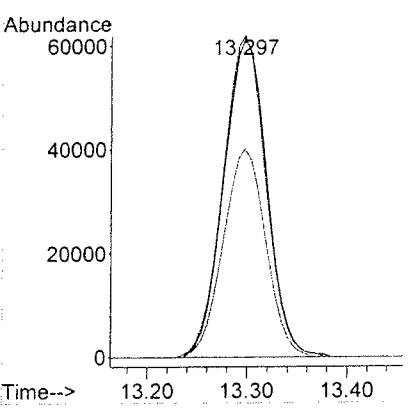
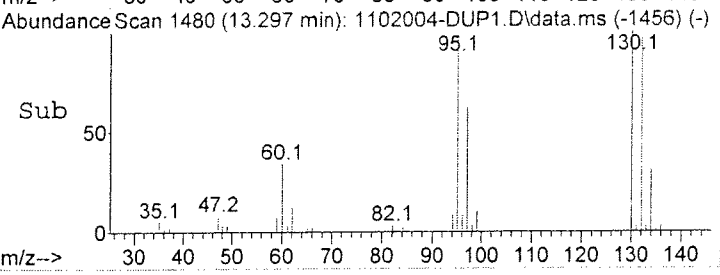
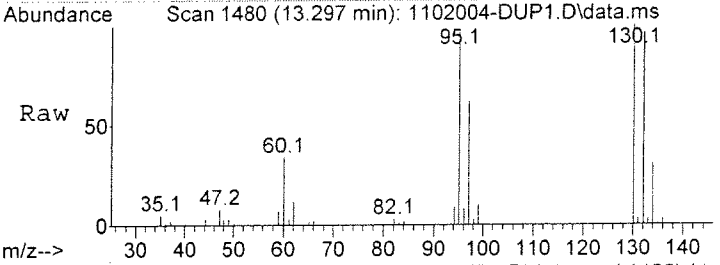


LS + BIK



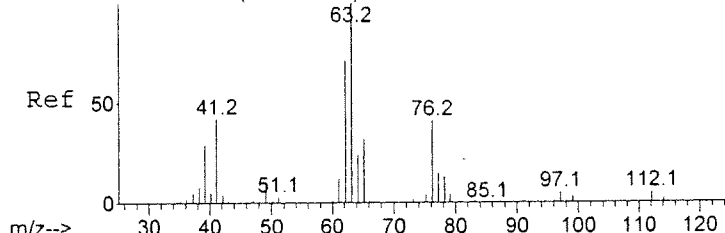
#38
 7100 Trichloroethene
 Concen: 2.38 UG/M3
 RT: 13.297 min Scan# 1480
 Delta R.T. 0.000 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

Tgt Ion	Resp	Lower	Upper
132	180673		
132	100		
95	100.3	81.4	121.4
97	64.6	45.5	85.5



OK

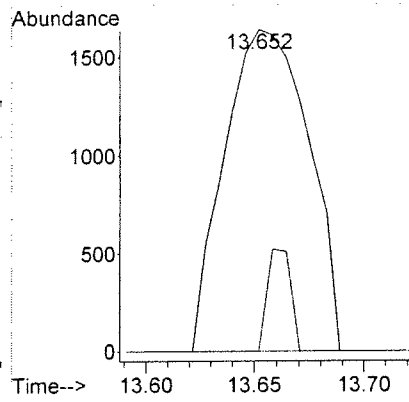
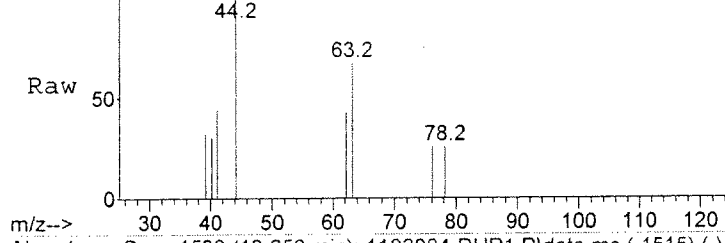
Abundance Scan 1539 (13.658 min): 1102004-BS1.D\data.ms (-1527) (-)



#39
7090 1,2-Dichloropropane
Concen: 0.06 UG/M3
RT: 13.652 min Scan# 1538
Delta R.T. -0.006 min
Lab File: 1102004-DUP1.D
Acq: 4 Feb 2011 8:25 am

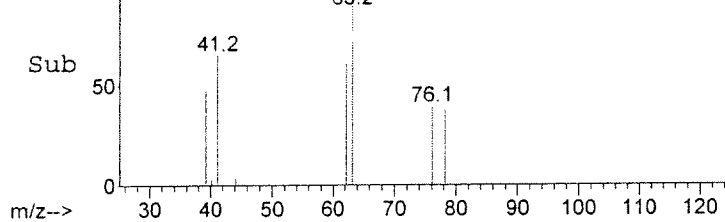
Tgt Ion: 63 Resp: 4352
Ion Ratio Lower Upper
63 100
65 0.0 11.1 51.1#

Abundance Scan 1538 (13.652 min): 1102004-DUP1.D\data.ms

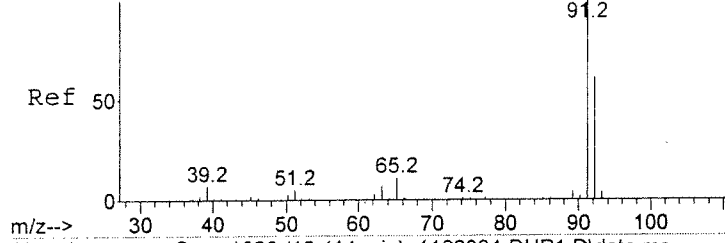


NO

Abundance Scan 1538 (13.652 min): 1102004-DUP1.D\data.ms (-1515) (-)



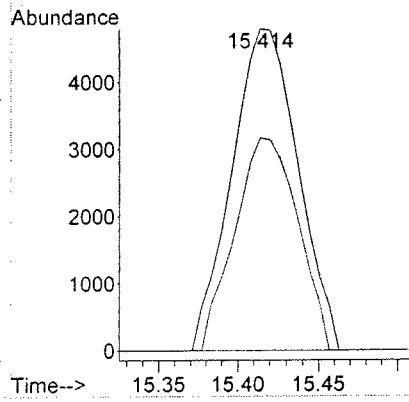
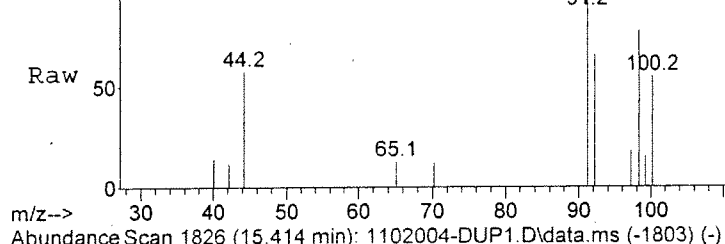
Abundance Scan 1826 (15.414 min): 1102004-BS1.D\data.ms (-1814) (-)



#46
7145 Toluene
Concen: 0.05 UG/M3
RT: 15.414 min Scan# 1826
Delta R.T. -0.006 min
Lab File: 1102004-DUP1.D
Acq: 4 Feb 2011 8:25 am

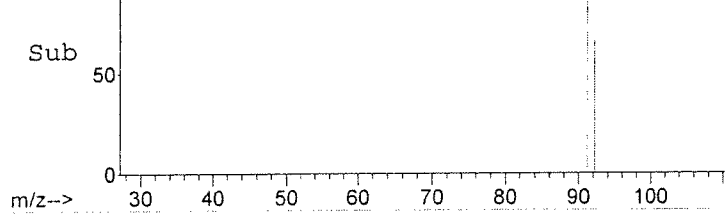
Tgt Ion: 91 Resp: 13680
Ion Ratio Lower Upper
91 100
92 63.0 41.1 81.1

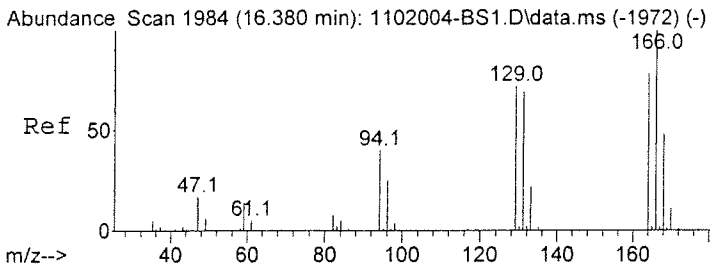
Abundance Scan 1826 (15.414 min): 1102004-DUP1.D\data.ms



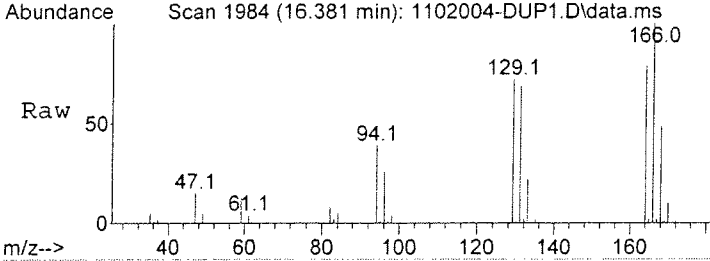
LSY BK

Abundance Scan 1826 (15.414 min): 1102004-DUP1.D\data.ms (-1803) (-)



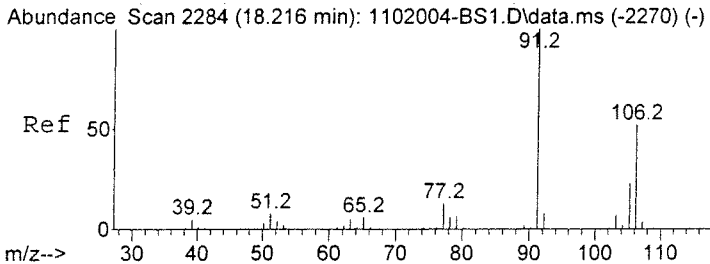
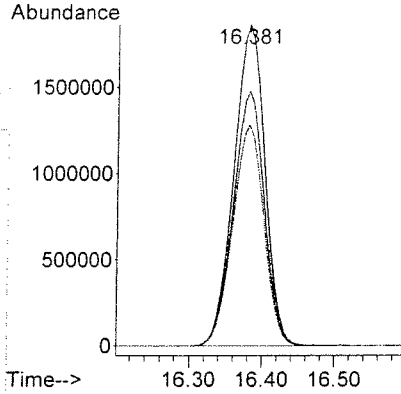
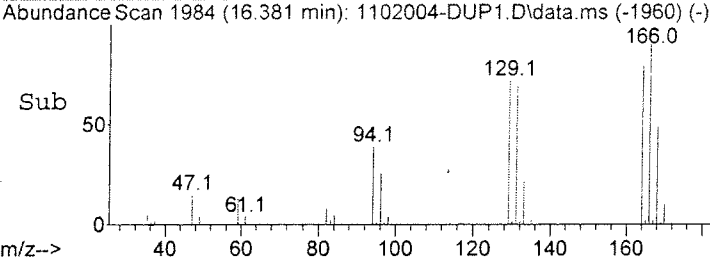


#49
 7140 Tetrachloroethene
 Concen: 67.90 UG/M3
 RT: 16.381 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

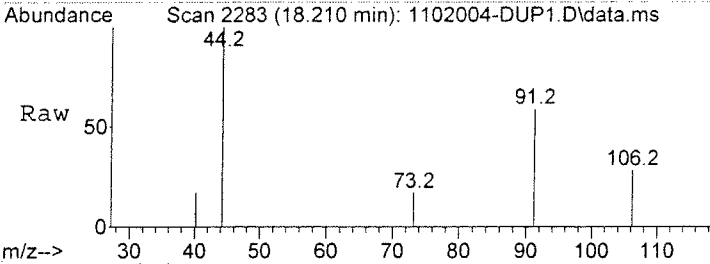


Tgt Ion: 166 Resp: 5549777
 Ion Ratio Lower Upper
 166 100
 164 79.0 58.7 98.7
 131 68.9 48.6 88.6

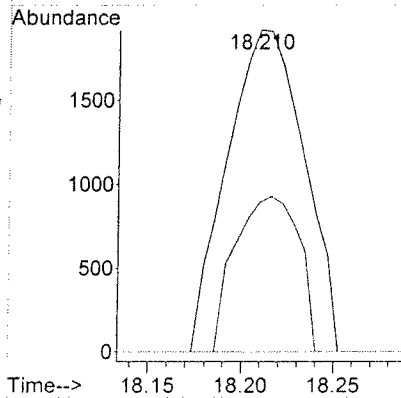
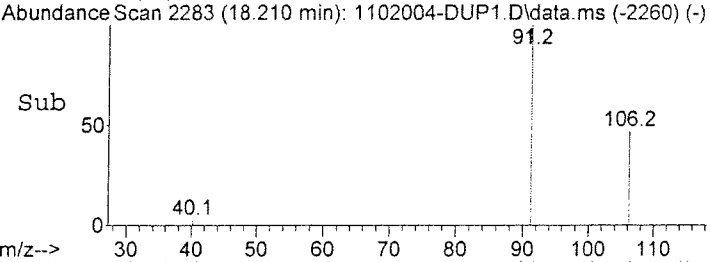
off scale



#55
 7156 (m- and/or p-) Xylene
 Concen: 0.02 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: 1102004-DUP1.D
 Acq: 4 Feb 2011 8:25 am

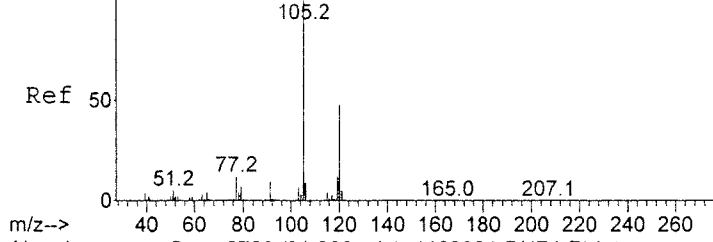


Tgt Ion: 91 Resp: 5570
 Ion Ratio Lower Upper
 91 100
 106 0.0 32.5 72.5#
 105 0.0 2.9 42.9#



CMIX

Abundance Scan 2797 (21.354 min): 1102004-BS1.D\data.ms (-2783) (-)



#64

7904 1,2,4-Trimethylbenzene

Concen: 0.02 UG/M3

RT: 21.360 min Scan# 2798

Delta R.T. 0.006 min

Lab File: 1102004-DUP1.D

Acq: 4 Feb 2011 8:25 am

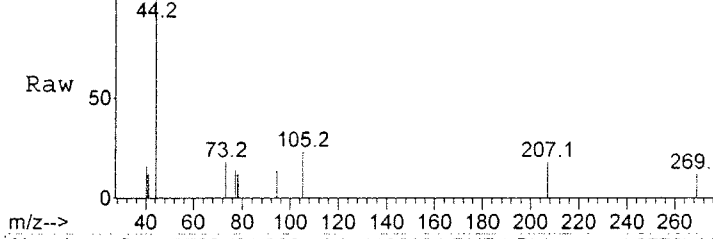
Tgt Ion: 105 Resp: 3245

Ion Ratio Lower Upper

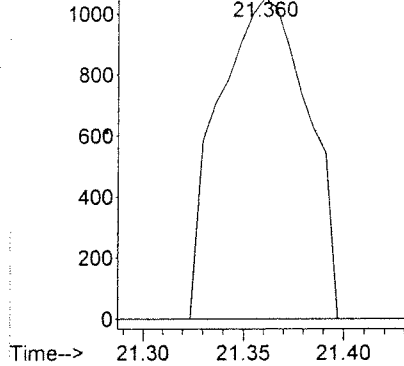
105 100

120 0.0 28.1 68.1#

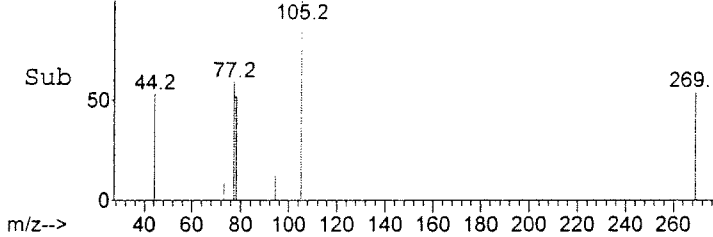
Abundance Scan 2798 (21.360 min): 1102004-DUP1.D\data.ms



Abundance



Abundance Scan 2798 (21.360 min): 1102004-DUP1.D\data.ms (-2773) (-)



CMIDL

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-DUP1.D
 Acq On : 4 Feb 2011 8:25 am
 Operator : FW
 Sample : 1102004-DUP1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: 1102004-DUP1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	19	rVB	44114	110825	0.36%	0.157%
2	4.433	19	31	39	rBV4	57526	160978	0.53%	0.228%
3	5.497	195	205	218	rVB	26639	106251	0.35%	0.151%
4	7.669	549	560	577	rVB2	26295	109982	0.36%	0.156%
5	7.865	577	592	605	rBV	50222	176398	0.58%	0.250%
6	10.801	1058	1072	1096	rVB	226920	684970	2.24%	0.972%
7	11.554	1177	1195	1217	rBV	2363391	7201319	23.55%	10.220%
8	12.814	1385	1401	1422	rBV	668713	1946677	6.37%	2.763%
9	13.297	1468	1480	1496	rVB	329662	960286	3.14%	1.363%
10	14.527	1668	1681	1698	rBV	223515	680058	2.22%	0.965%
11	15.304	1782	1808	1824	rBV2	3662665	11058489	36.17%	15.694%
12	16.381	1969	1984	2012	rBV	10245186	30573032	100.00%	43.389%
13	17.800	2201	2216	2239	rBV	720658	2112429	6.91%	2.998%
14	19.886	2540	2557	2576	rBV	4462213	12957126	42.38%	18.388%
15	22.033	2892	2908	2931	rBV	536058	1624611	5.31%	2.306%

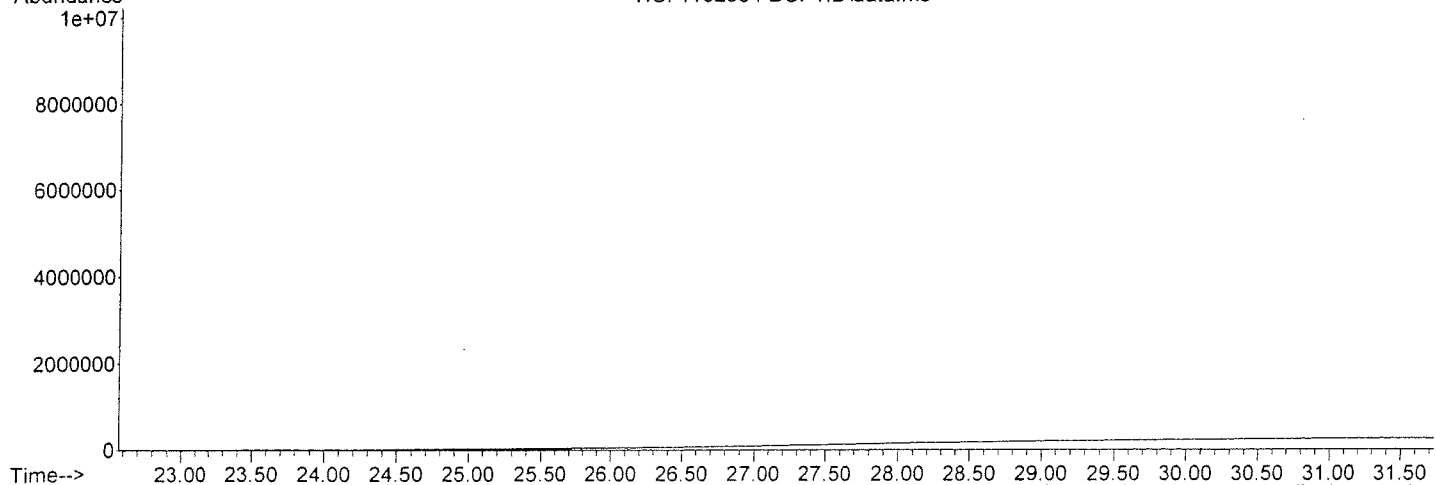
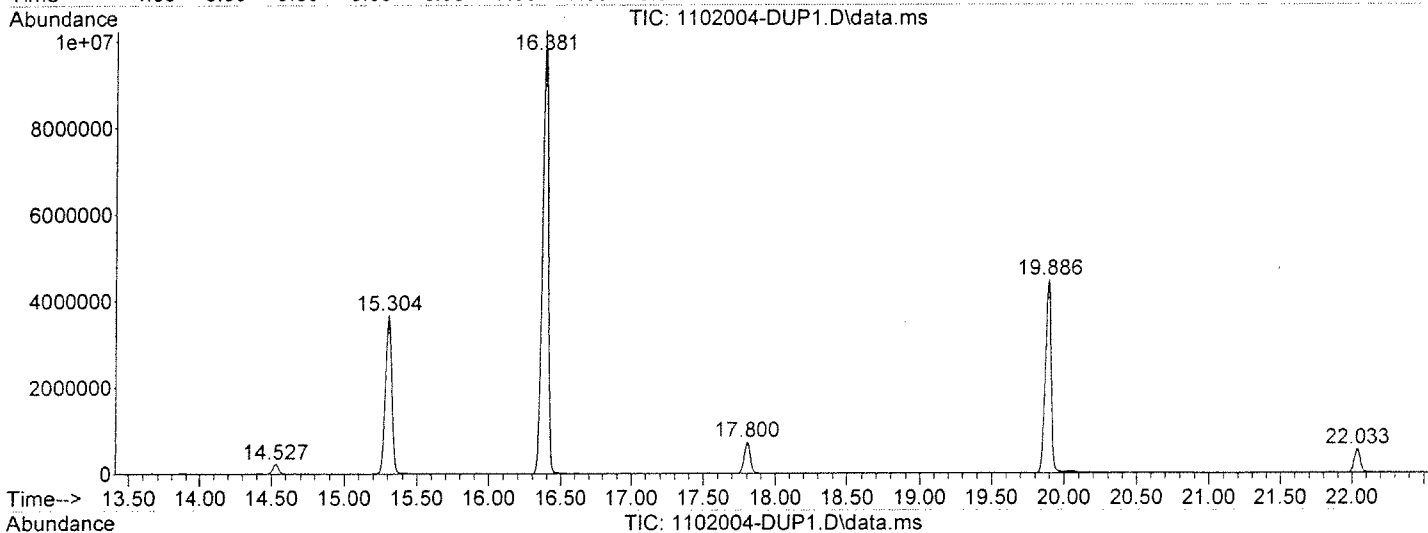
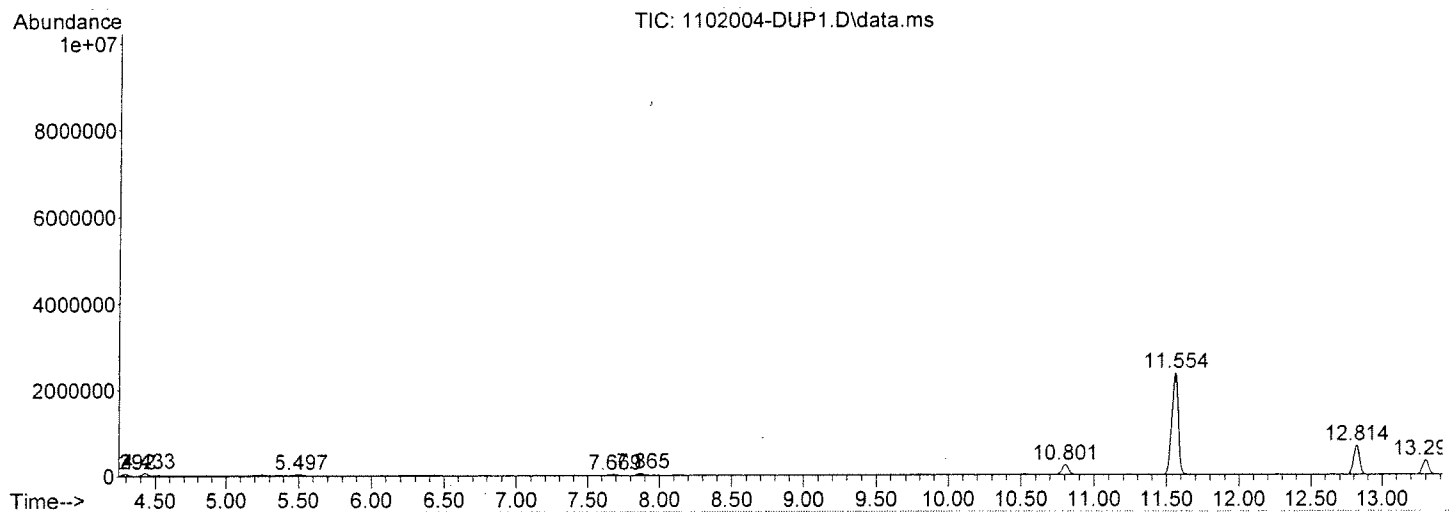
Sum of corrected areas: 70463431

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : 1102004-DUP1.D
Acq On : 4 Feb 2011 8:25 am
Operator : FW
Sample : 1102004-DUP1
Misc : 15xcanA,can4547,500cc,ip=15.1,fp=30
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
Data File : 1102004-DUP1.D
Acq On : 4 Feb 2011 8:25 am
Operator : FW
Sample : 1102004-DUP1
Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Propylene Glycol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.527	8.31 UG/M3 ¹⁰	680058	IS01 Difluorobenzene	12.820

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propylene Glycol	76	C3H8O2	000057-55-6	59
2		Propane, 2-ethoxy-	88	C5H12O	000625-54-7	45
3		R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	45
4		2-Propanol, 1-chloro-	94	C3H7ClO	000127-00-4	43
5		2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	38

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : 1102004-DUP1.D
 Acq On : 4 Feb 2011 8:25 am
 Operator : FW
 Sample : 1102004-DUP1
 Misc : 15xcanA, can4547, 500cc, ip=15.1, fp=30
 ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
propylene Glycol	14.527	8.3	UG/M3	680058	1	12.820	1946680	23.8

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R4.D
 Acq On : 4 Feb 2011 9:14 am
 Operator : FW
 Sample : LB020311R4
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 04 10:09:00 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	942310	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	764060	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	300987	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
						Qvalue
2) 7001 Propene	4.426	41	24745	0.17	UG/M3	89
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	3181	0.02	UG/M3#	49
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.		
5) 7025 Chloromethane	0.000		0	N.D.		
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	0.000		0	N.D.		
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.		
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.871	43	67773	0.41	UG/M3	99
15) 7024 Isopropanol	8.115	45	34093	0.21	UG/M3	83
16) 7052 Carbon Disulfide	0.000		0	N.D.		
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	0.000		0	N.D.		
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	0.000		0	N.D.		
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	0.000		0	N.D.		
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.275	78	5519	0.02	UG/M3#	53
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.		
37) 7038 Heptane	0.000		0	N.D.		
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : LB020311R4.D
 Acq On : 4 Feb 2011 9:14 am
 Operator : FW
 Sample : LB020311R4
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

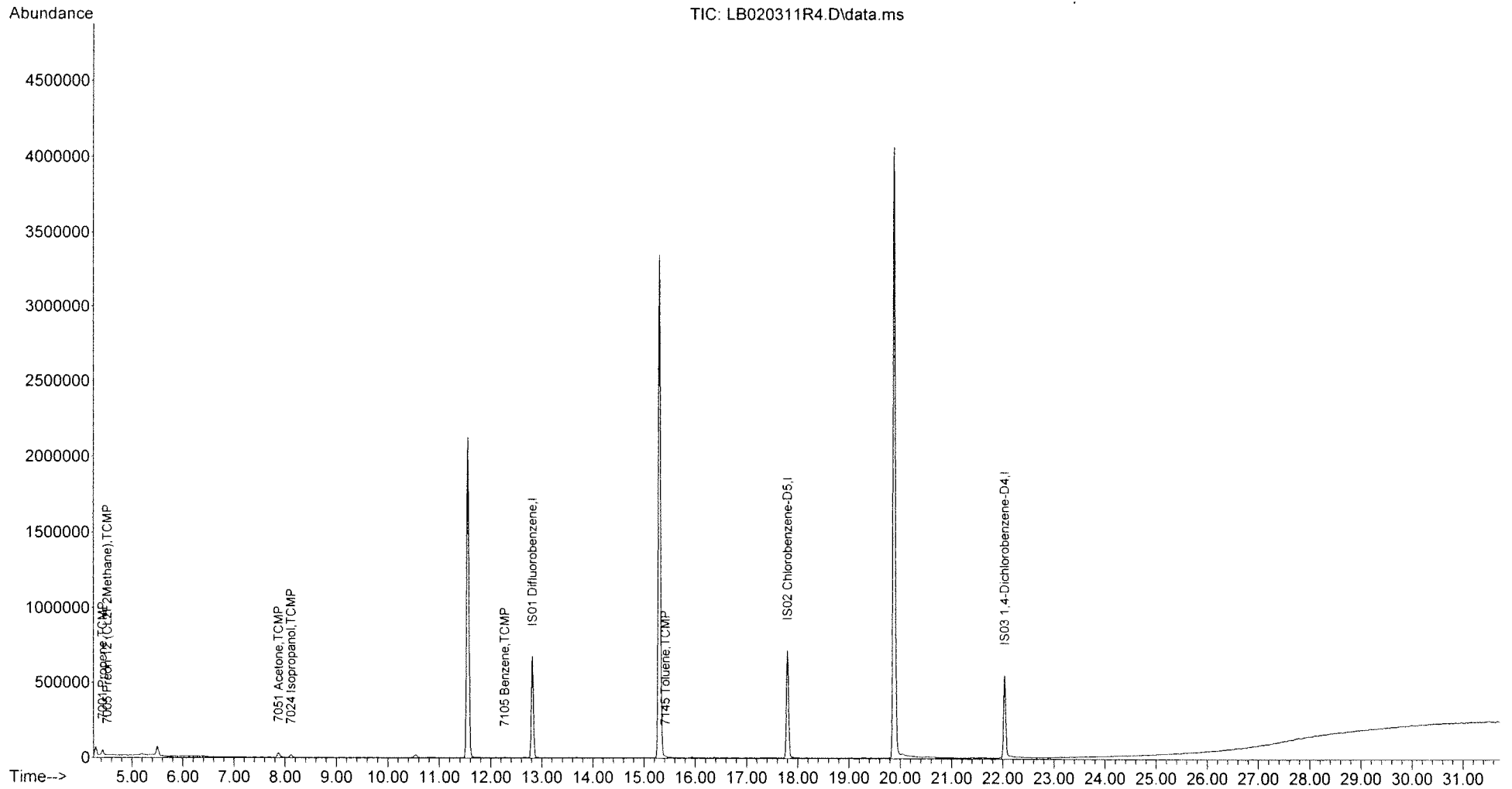
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 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	4919	0.02	UG/M3#	20
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	0.000		0	N.D.		
55) 7156 (m- and.or p-) Xy...	0.000		0	N.D.		
56) 7157 o-Xylene	0.000		0	N.D.		
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	0.000		0	N.D.		
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020311\
Data File : LB020311R4.D
Acq On : 4 Feb 2011 9:14 am
Operator : FW
Sample : LB020311R4
Misc : can4349/500cc/0121314
ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 04 10:09:00 2011
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15
QLast Update : Fri Feb 04 05:19:29 2011
Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 04 10:38:33 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) IS01 Difluorobenzene	12.814	114	964331	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	774579	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	300656	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
2) 7001 Propene	4.432	41	69727	0.48	UG/M3#		2586 BK
3) 7005 Freon 12 (CL2F2Me...	4.518	85	178448	1.06	UG/M3	98	
4) 7017 Freon 114 (Cl2F4E...	4.842	85	6441	0.05	UG/M3#	72	
5) 7025 Chloromethane	4.965	50	59180	0.40	UG/M3	98	
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	76636	0.56	UG/M3	99	
12) 7011 Freon 113 (Cl3F3E...	7.803	101	20937	0.24	UG/M3	99	
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.858	43	245808	1.47	UG/M3	99	L105 BK
15) 7024 Isopropanol	8.115	45	61909	0.37	UG/M3		2586 BK
16) 7052 Carbon Disulfide	8.250	76	3399	0.01	UG/M3#	74	
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	8.635	49	8093	0.09	UG/M3#		OK
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	9.626	57	9440	0.06	UG/M3#	70	
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	10.801	72	19446	0.42	UG/M3#	82	
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	11.297	83	3281	0.03	UG/M3#	18	
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	11.957	117	20897	0.21	UG/M3	96	
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.275	78	87085	0.28	UG/M3	98	
36) 7036 Isooctane (2,2,4-...	12.392	57	7990	0.02	UG/M3#	47	
37) 7038 Heptane	12.661	43	7986	0.06	UG/M3#	21	OK
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

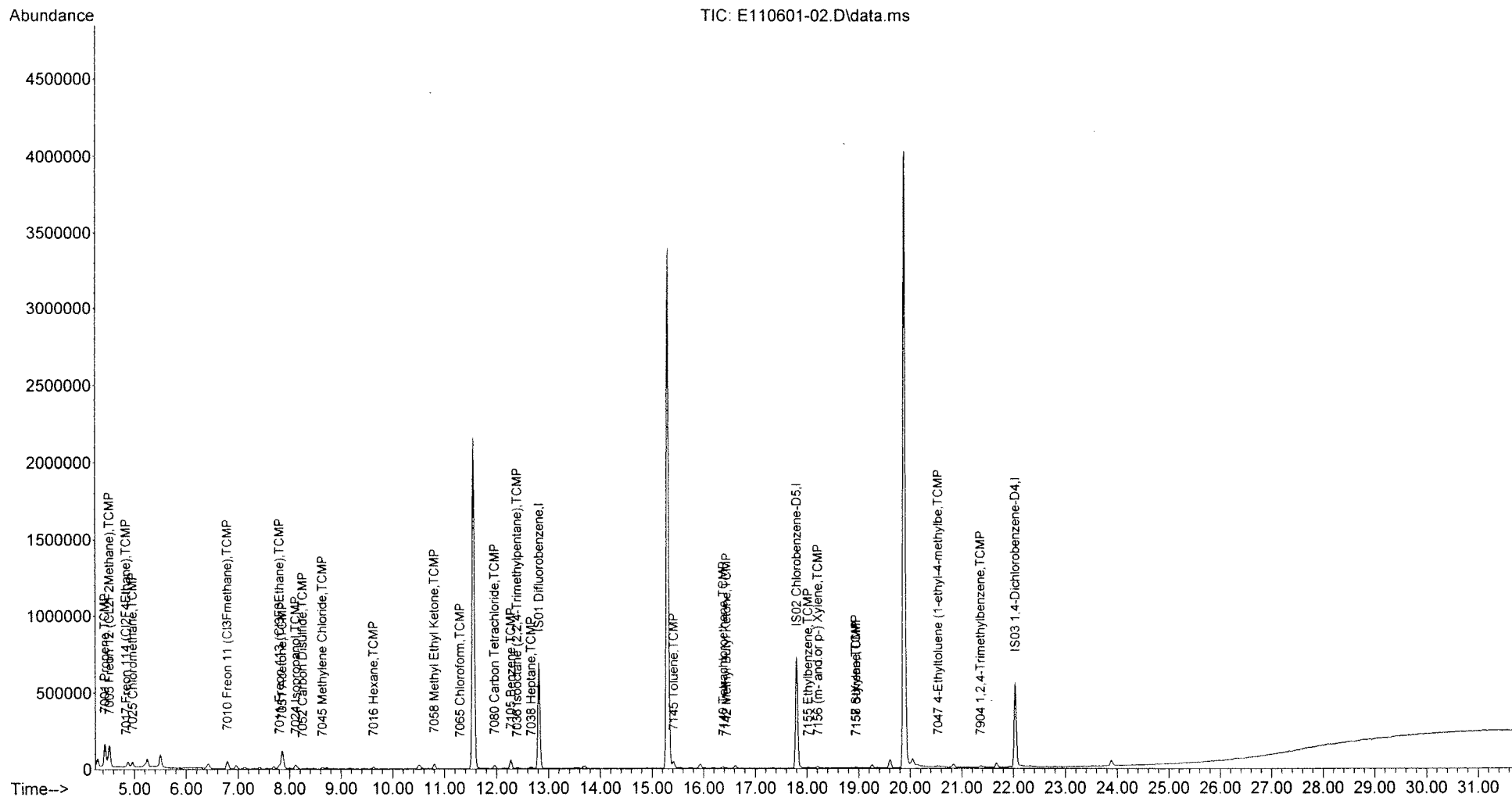
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 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

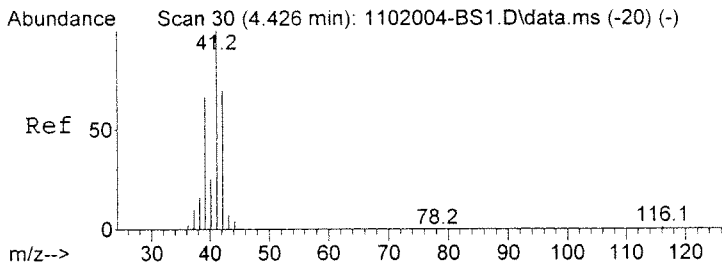
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	45168	0.15	UG/M3	99
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	16.380	166	6706	0.08	UG/M3	89
50) 7142 Methyl Butyl Ketone	16.442	43	4742	0.05	UG/M3#	27
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.020	91	8400	0.03	UG/M3#	48
55) 7156 (m- and/or p-) Xy...	18.210	91	11584	0.05	UG/M3#	82
56) 7157 o-Xylene	18.944	91	5321	0.02	UG/M3#	28
57) 7158 Styrene	18.950	104	3678	0.02	UG/M3#	25
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	20.540	105	5843	0.02	UG/M3#	41
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	21.360	105	9349	0.05	UG/M3#	29
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

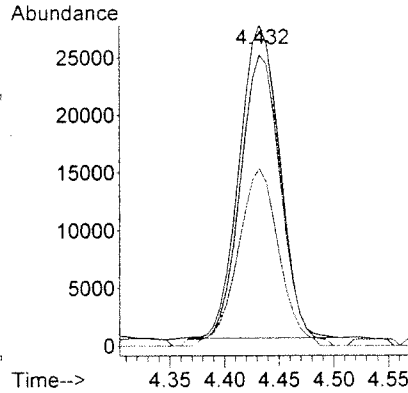
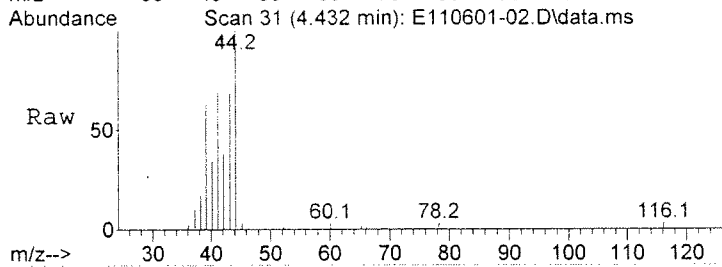
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 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



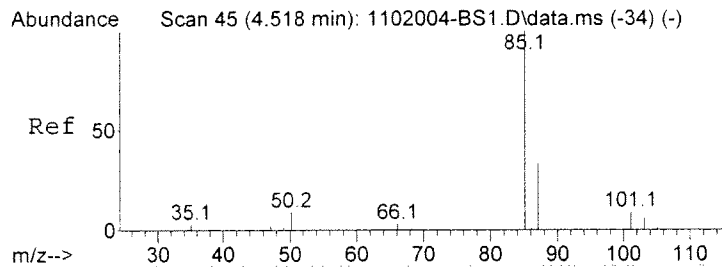
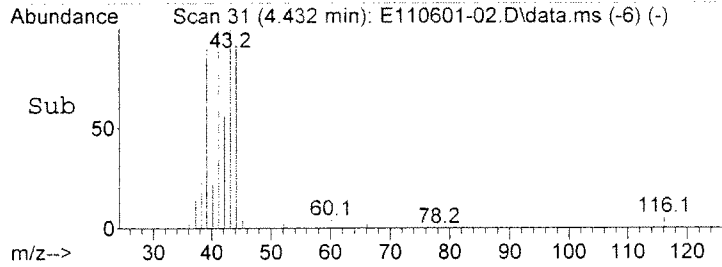


#2
 7001 Propene
 Concen: 0.48 UG/M3
 RT: 4.432 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Ratio	Lower	Upper
41	100		
39	94.5	46.6	86.6#
42	57.4	48.0	88.0

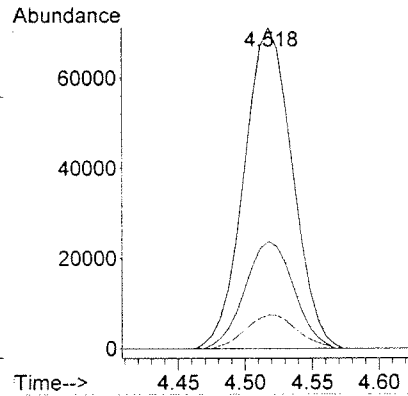
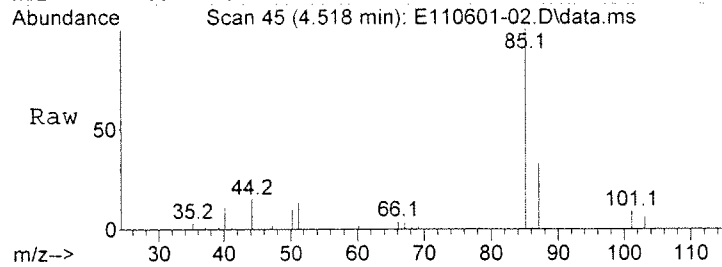


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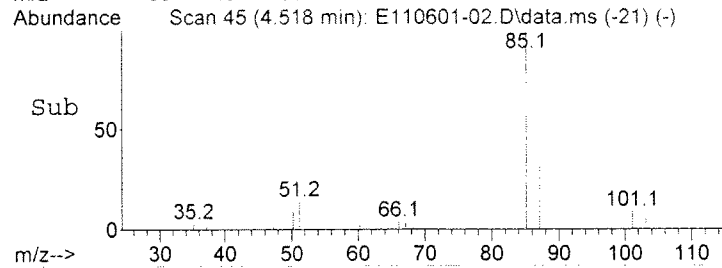


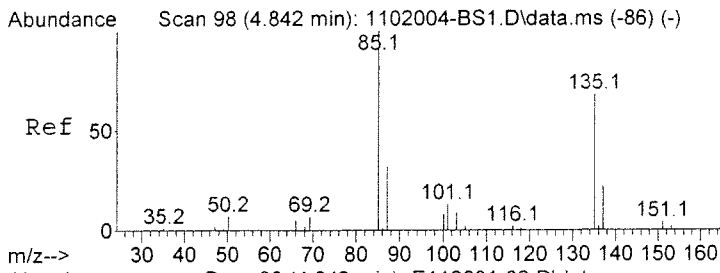
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.06 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	12.7	52.7
50	11.0	0.0	29.4



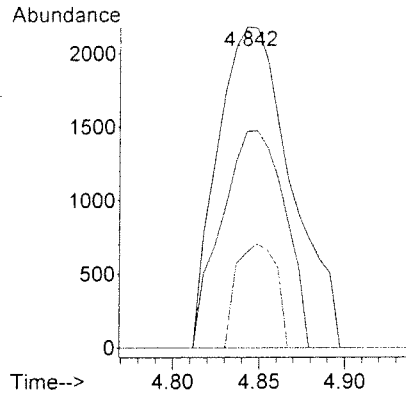
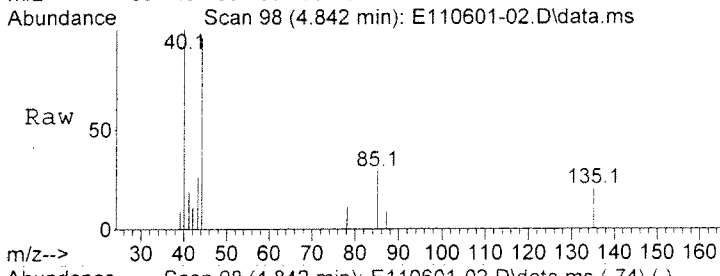
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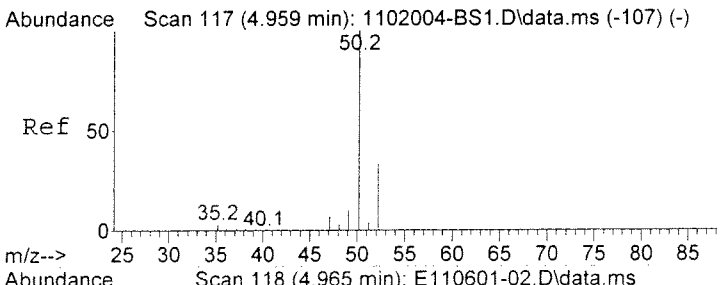
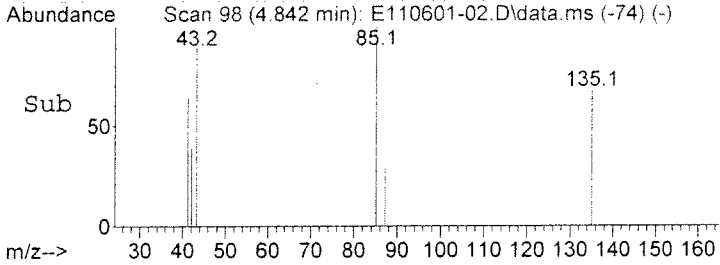


#4
 7017 Freon 114 (Cl2F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.842 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Ratio	Lower	Upper
85	100		
135	58.4	50.8	90.8
87	0.0	12.2	52.2#

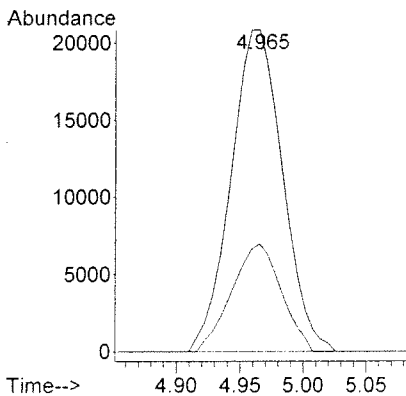
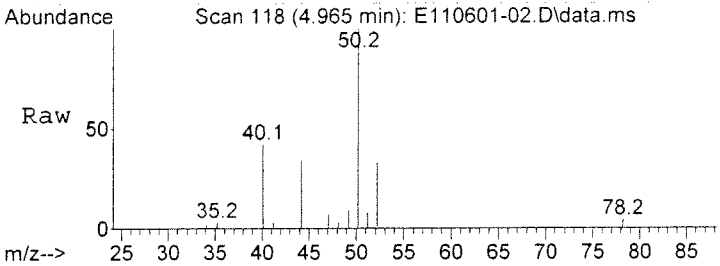


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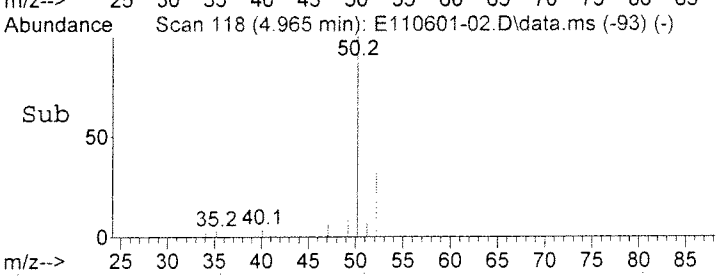


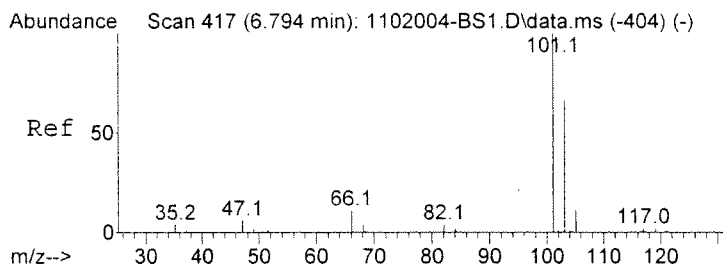
#5
 7025 Chloromethane
 Concen: 0.40 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.0	12.8	52.8



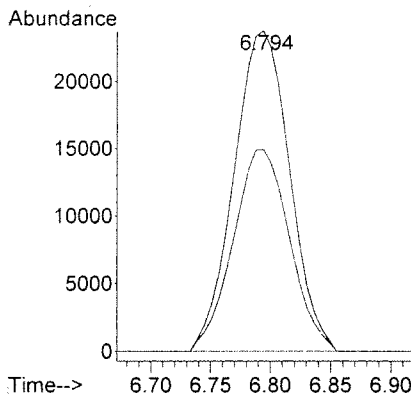
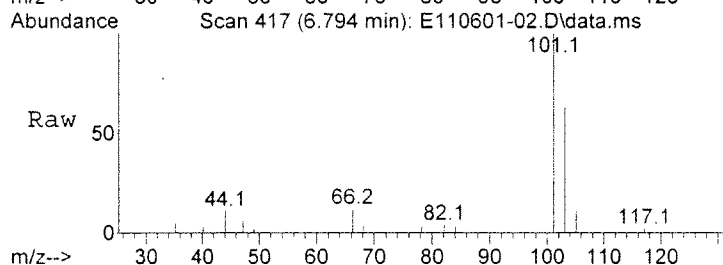
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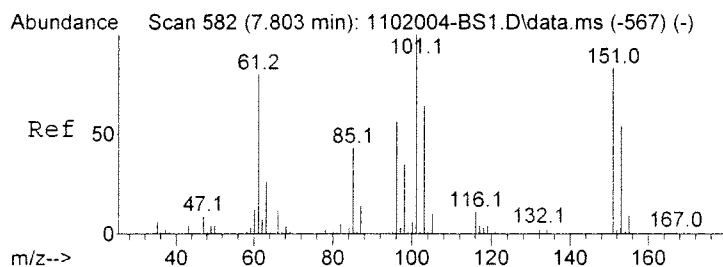
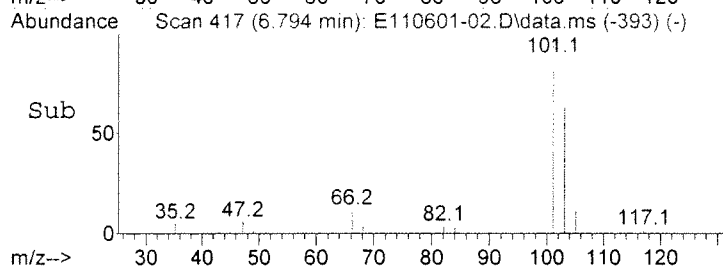


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.56 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion:101 Resp: 76636
 Ion Ratio Lower Upper
 101 100
 103 63.7 44.7 84.7

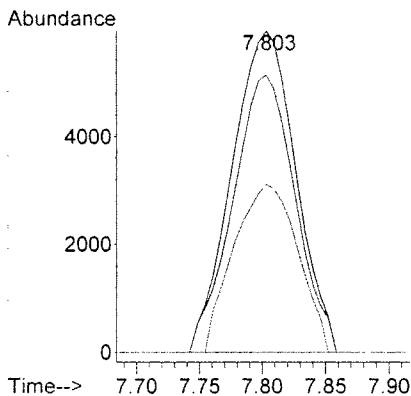
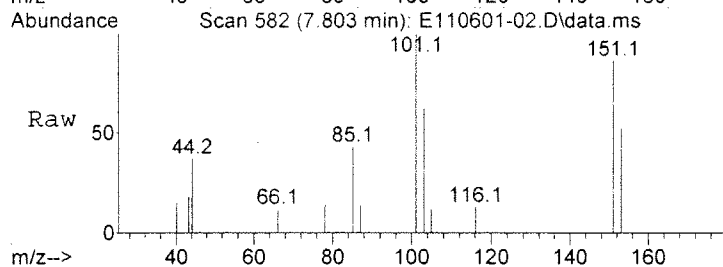


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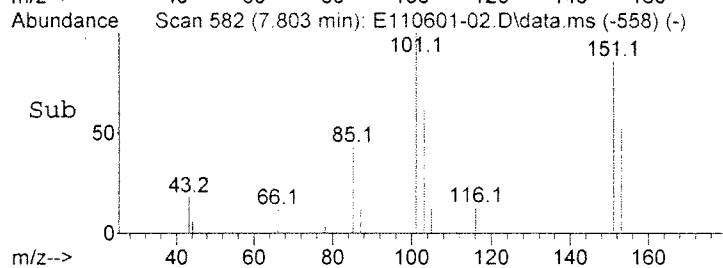


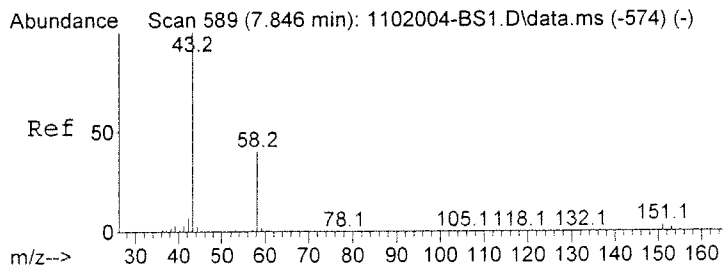
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.24 UG/M3
 RT: 7.803 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion:101 Resp: 20937
 Ion Ratio Lower Upper
 101 100
 151 84.3 64.5 104.5
 153 52.6 34.1 74.1



OK

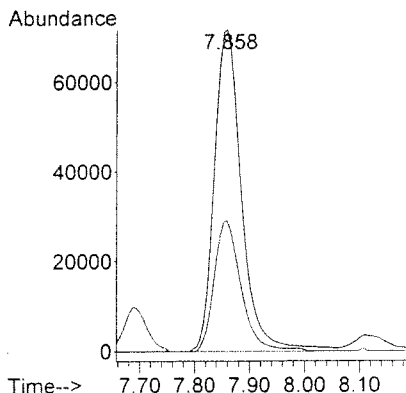
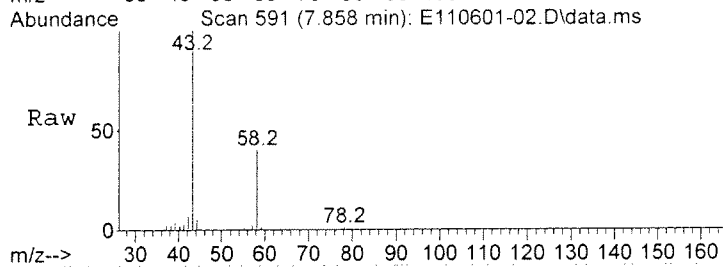




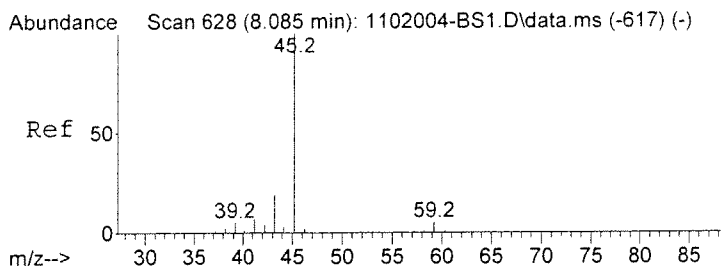
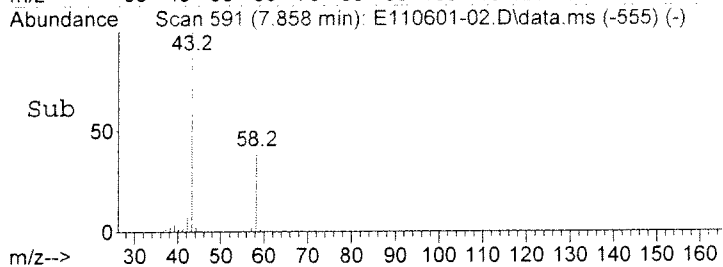
#14
 7051 Acetone
 Concen: 1.47 UG/M3
 RT: 7.858 min Scan# 591
 Delta R.T. 0.018 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.4	19.9	59.9

<10xblk



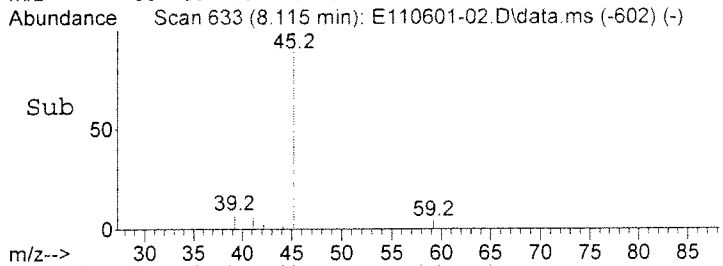
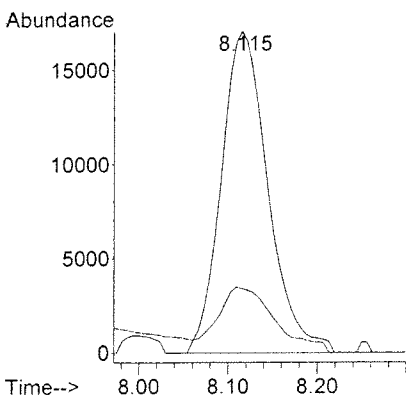
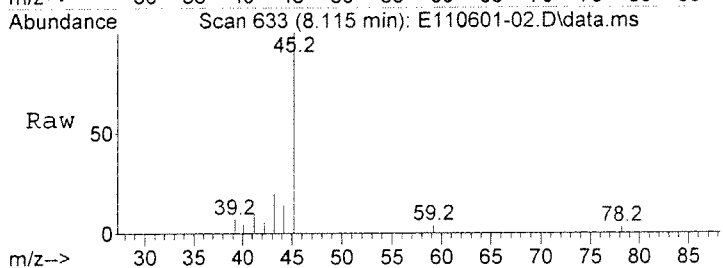
OK

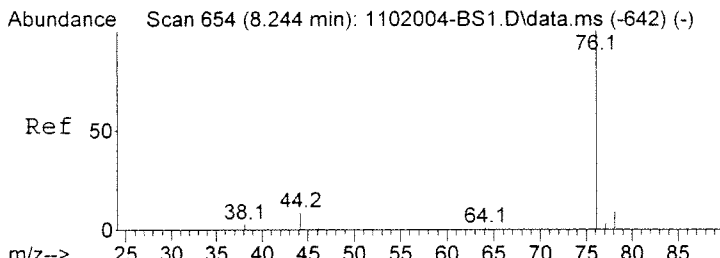


#15
 7024 Isopropanol
 Concen: 0.37 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
45	100		
43	17.3	0.0	37.4

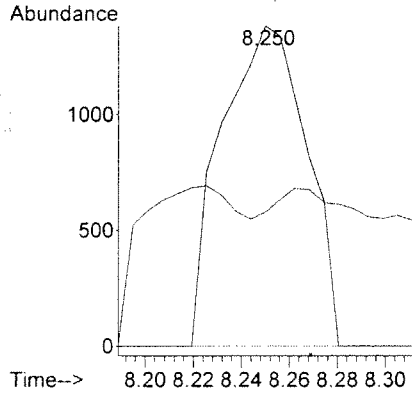
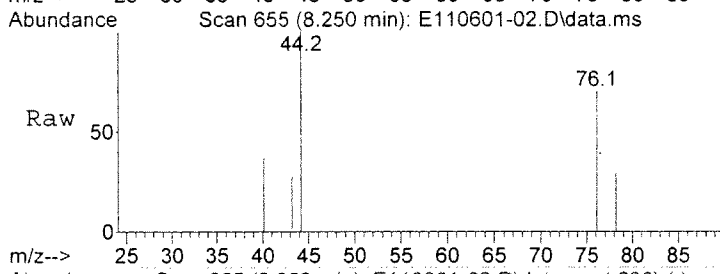
<5xblk



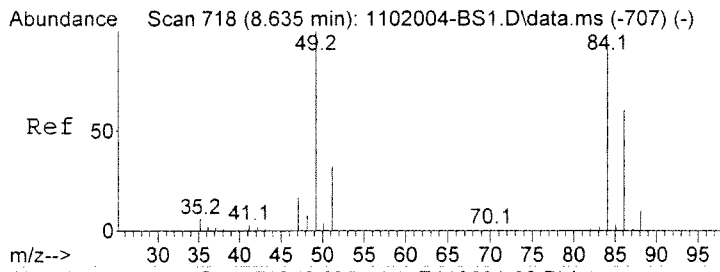
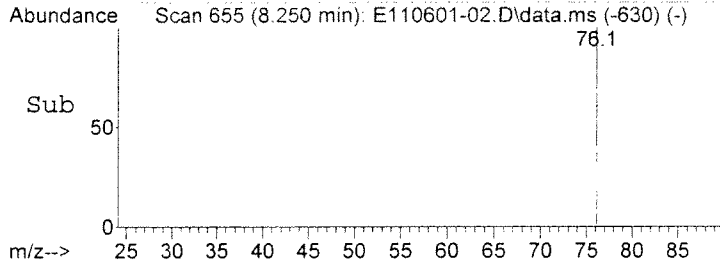


#16
 7052 Carbon Disulfide
 Concen: 0.01 UG/M3
 RT: 8.250 min Scan# 655
 Delta R.T. 0.006 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
76	100		
78	0.0	0.0	29.3

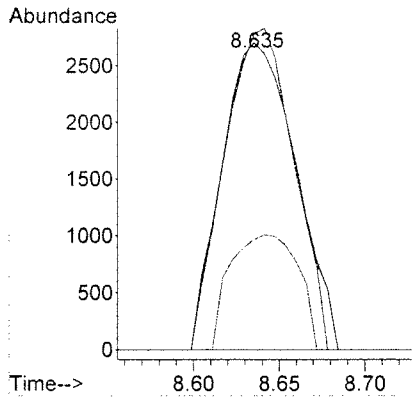
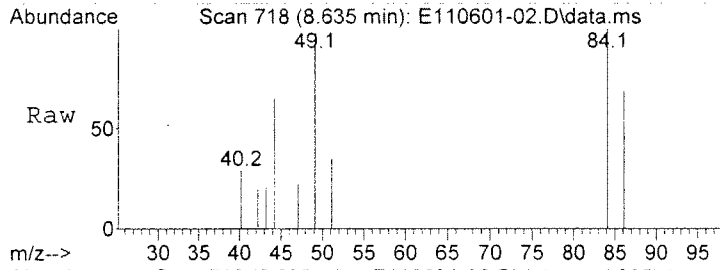


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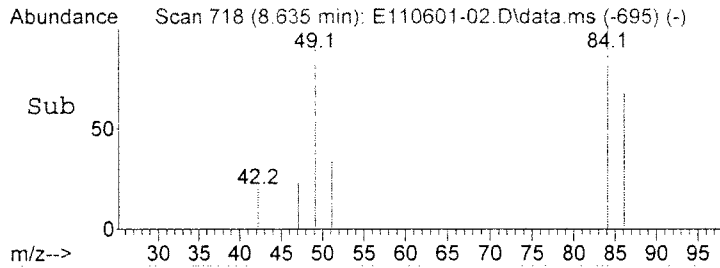


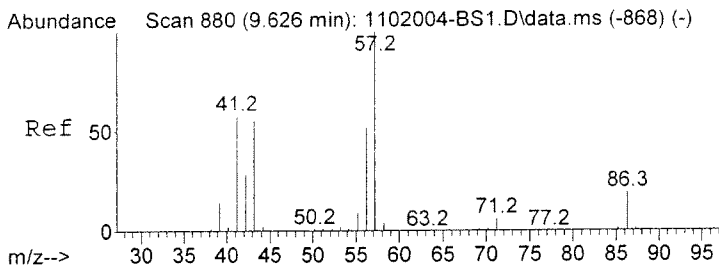
#18
 7045 Methylene Chloride
 Concen: 0.09 UG/M3
 RT: 8.635 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
49	100		
84	97.8	72.8	112.8
51	0.0	11.5	51.5#



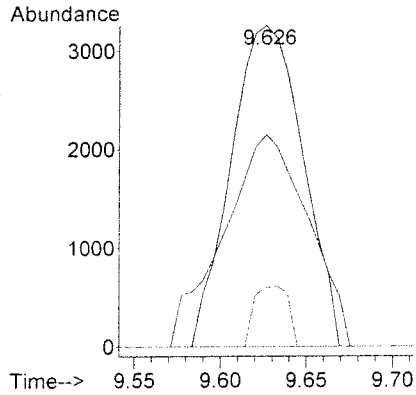
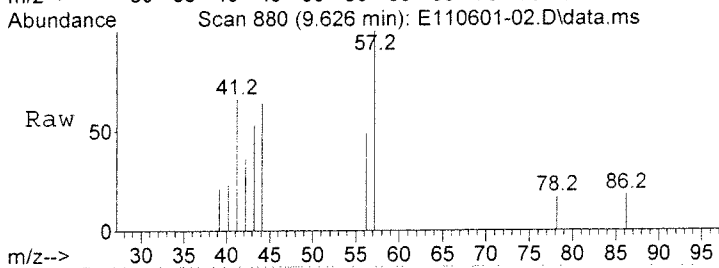
*AO
OK*



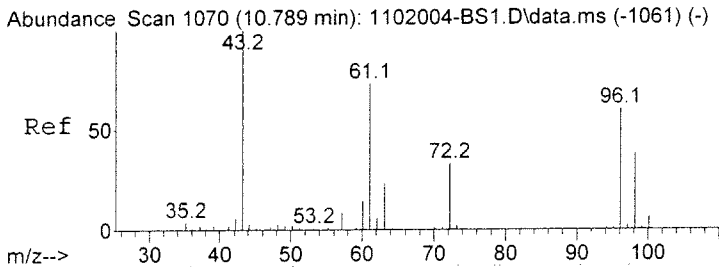
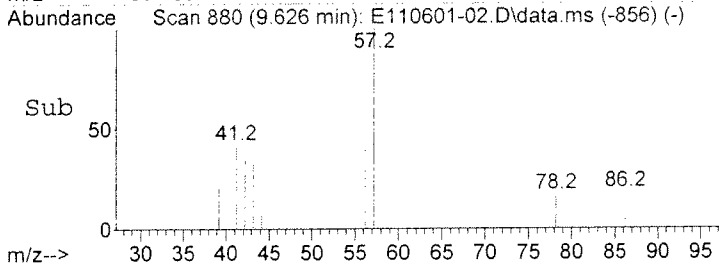


#22
 7016 Hexane
 Concen: 0.06 UG/M3
 RT: 9.626 min Scan# 880
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
57	9440		
57	100		
41	77.7	37.9	77.9
86	0.0	0.0	39.0

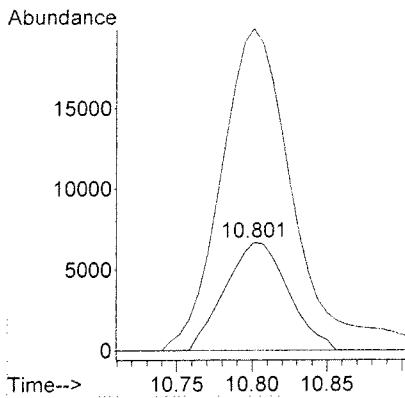
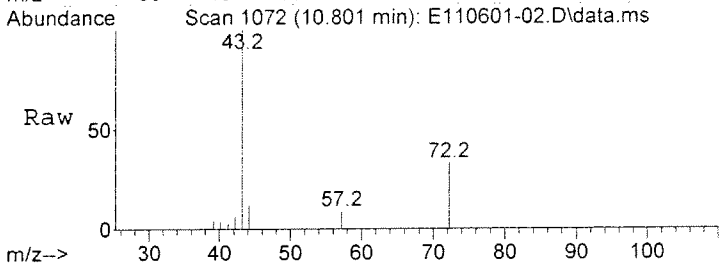


OK

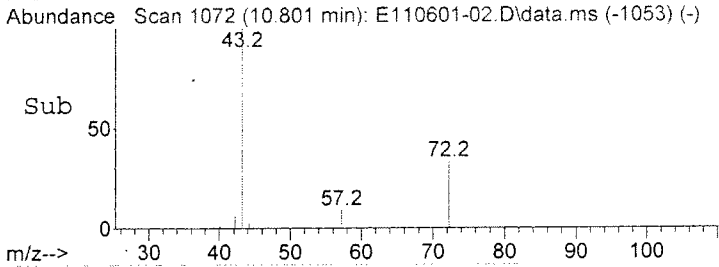


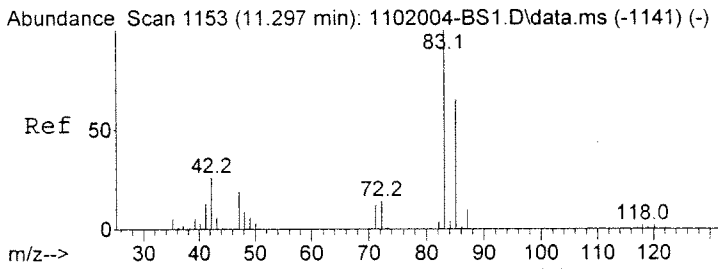
#25
 7058 Methyl Ethyl Ketone
 Concen: 0.42 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. 0.018 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
72	19446		
72	100		
43	342.8	287.4	327.4#



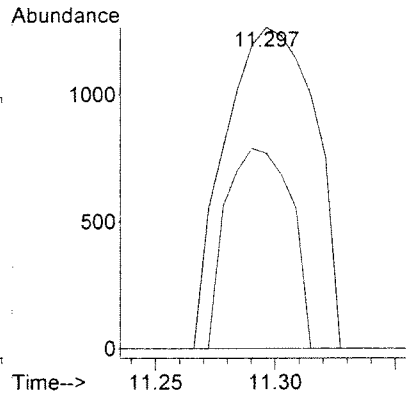
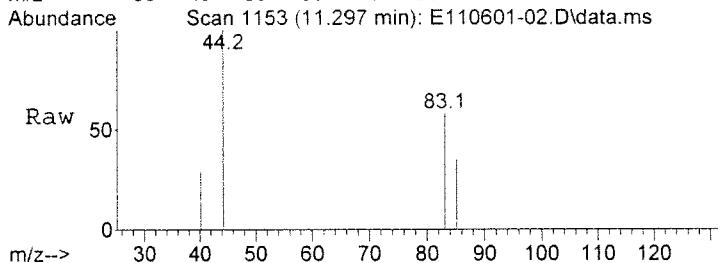
OK



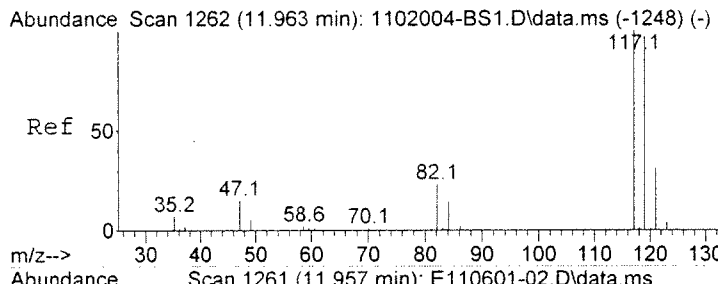
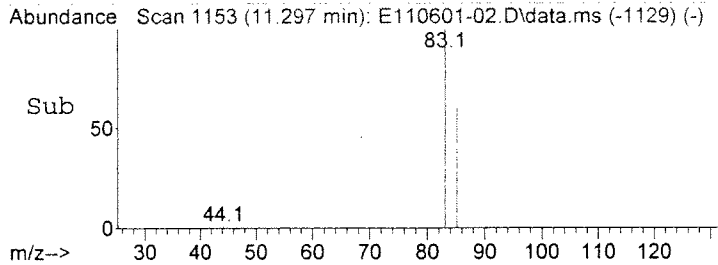


#28
 7065 Chloroform
 Concen: 0.03 UG/M3
 RT: 11.297 min Scan# 1153
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
83	3281	100	
85	0.0	45.1	85.1#

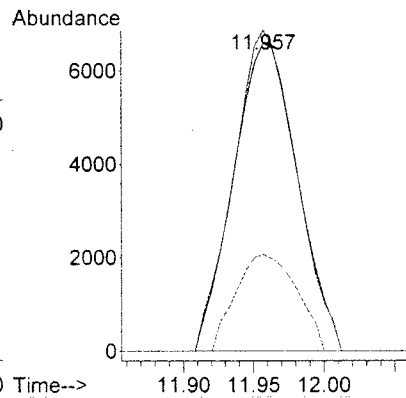
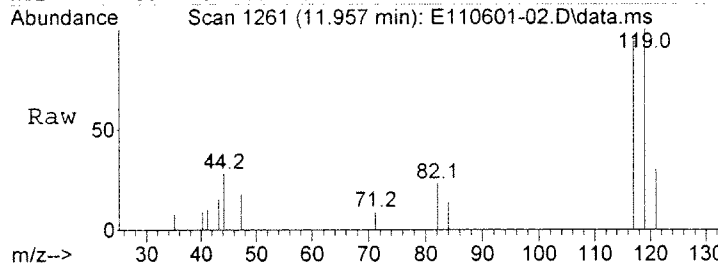


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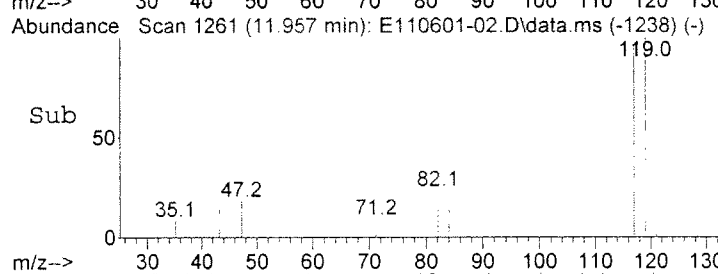


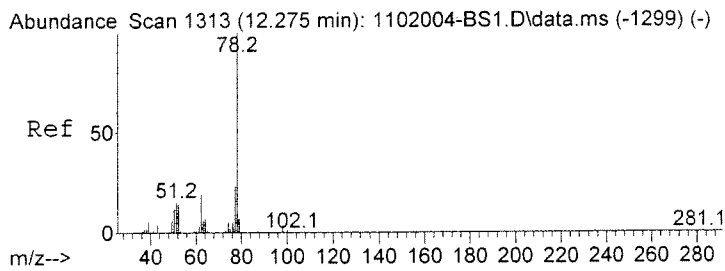
#33
 7080 Carbon Tetrachloride
 Concen: 0.21 UG/M3
 RT: 11.957 min Scan# 1261
 Delta R.T. -0.006 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
117	20897	100	
119	101.3	76.4	116.4
121	29.7	11.2	51.2



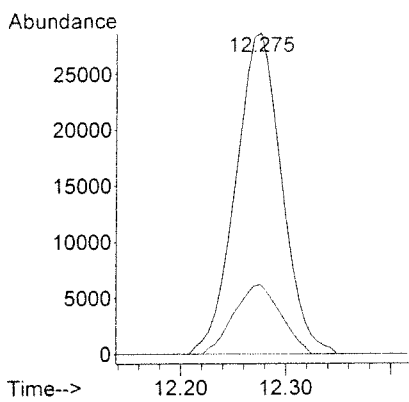
OK



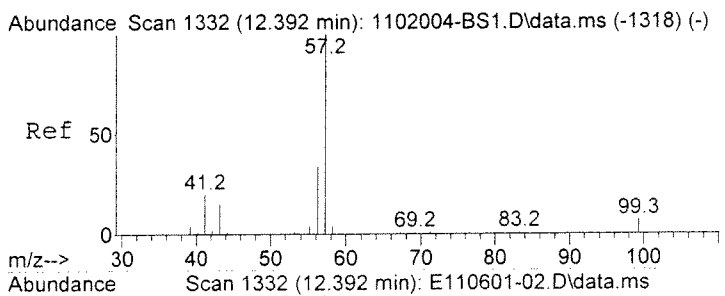


#35
 7105 Benzene
 Concen: 0.28 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
78	100		
77	22.0	2.8	42.8

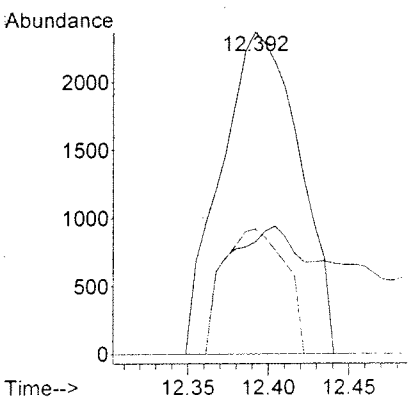


OK



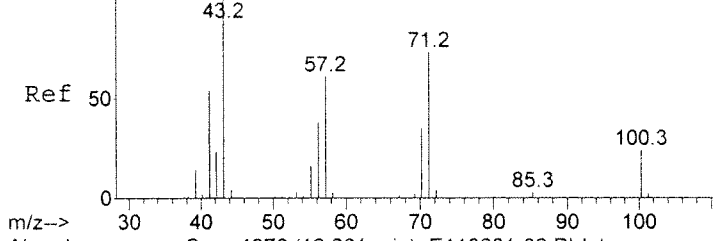
#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.02 UG/M3
 RT: 12.392 min Scan# 1332
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Resp	Lower	Upper
57	100		
41	0.0	0.3	40.3#
56	0.0	13.3	53.3#



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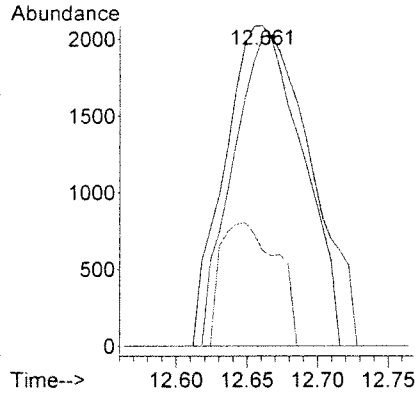
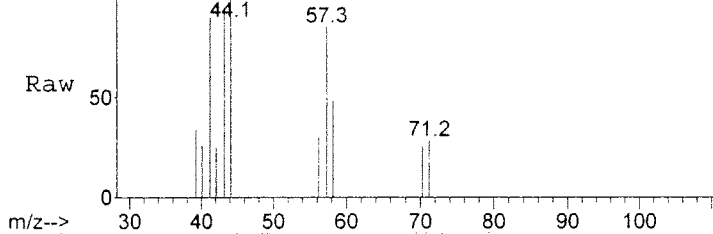
Abundance Scan 1374 (12.649 min): 1102004-BS1.D\data.ms (-1362) (-)



#37
7038 Heptane
Concen: 0.06 UG/M3
RT: 12.661 min Scan# 1376
Delta R.T. 0.012 min
Lab File: E110601-02.D
Acq: 4 Feb 2011 10:03 am

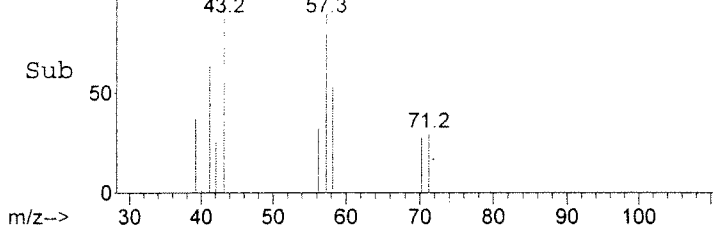
Tgt Ion:	43	Resp:	7986
Ion Ratio	Lower	Upper	
43	100		
41	99.4	32.7	72.7#
71	0.0	54.2	94.2#

Abundance Scan 1376 (12.661 min): E110601-02.D\data.ms

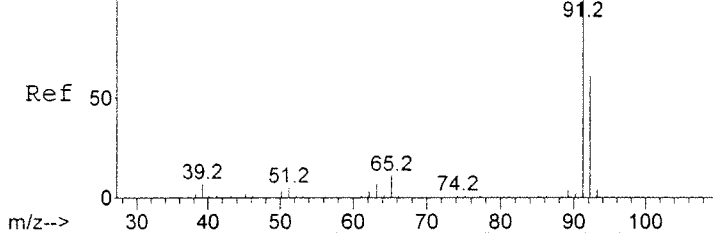


~~NO~~
OK

Abundance Scan 1376 (12.661 min): E110601-02.D\data.ms (-1350) (-)



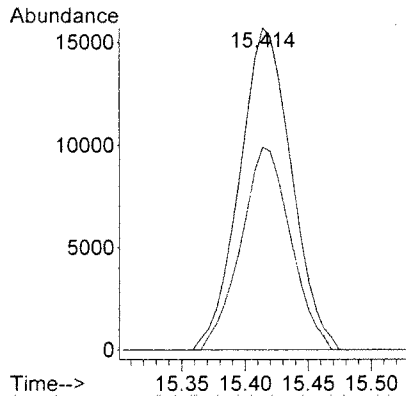
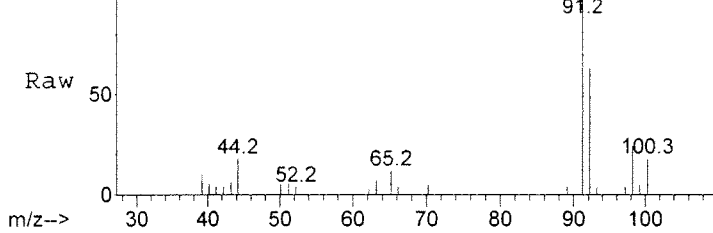
Abundance Scan 1826 (15.414 min): 1102004-BS1.D\data.ms (-1814) (-)



#46
7145 Toluene
Concen: 0.15 UG/M3
RT: 15.414 min Scan# 1826
Delta R.T. -0.006 min
Lab File: E110601-02.D
Acq: 4 Feb 2011 10:03 am

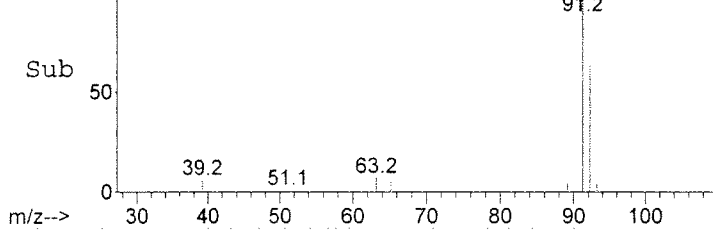
Tgt Ion:	91	Resp:	45168
Ion Ratio	Lower	Upper	
91	100		
92	60.5	41.1	81.1

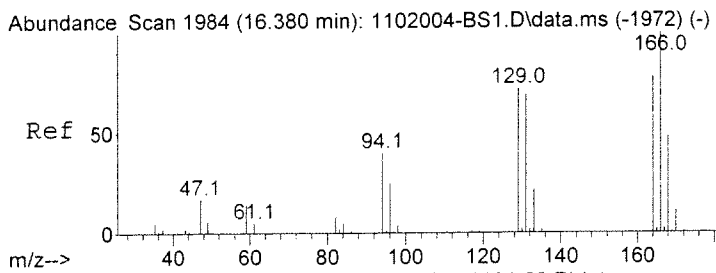
Abundance Scan 1826 (15.414 min): E110601-02.D\data.ms



OK

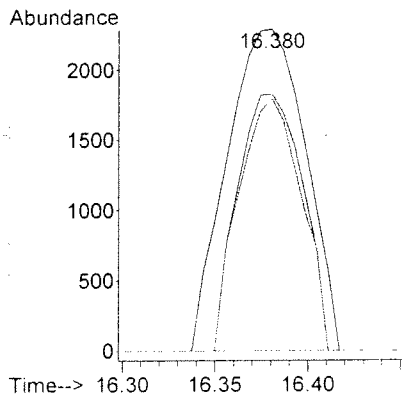
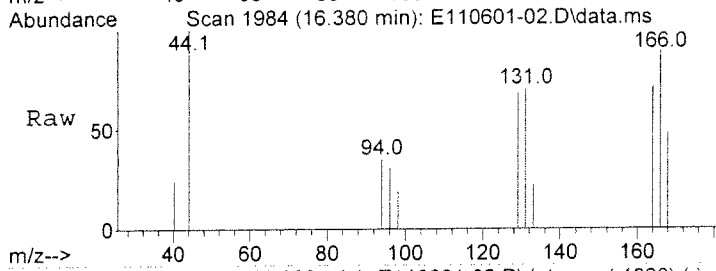
Abundance Scan 1826 (15.414 min): E110601-02.D\data.ms (-1803) (-)



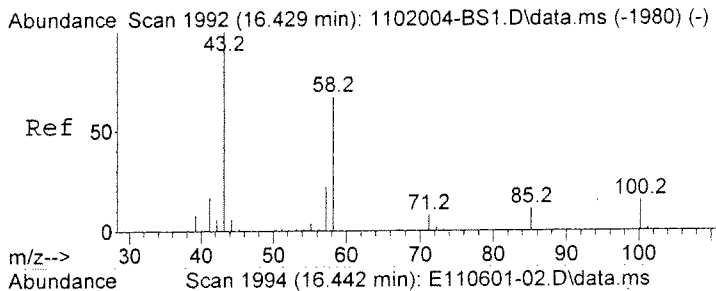
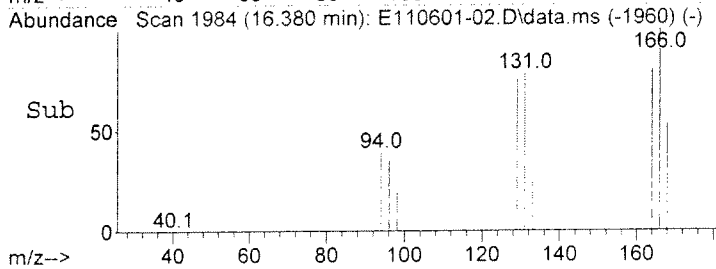


#49
 7140 Tetrachloroethene
 Concen: 0.08 UG/M3
 RT: 16.380 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Ratio	Lower	Upper
166	100		
164	66.1	58.7	98.7
131	62.4	48.6	88.6

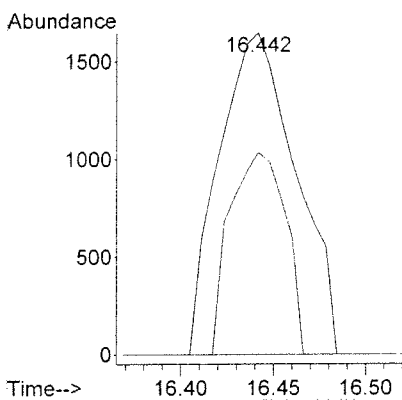
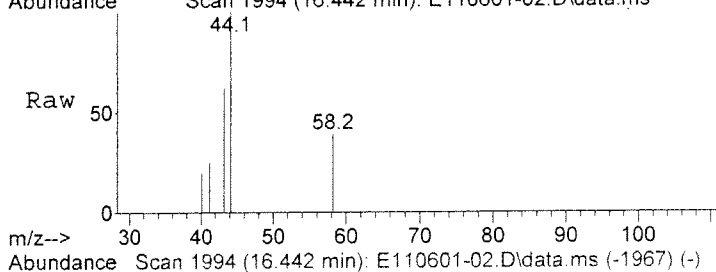


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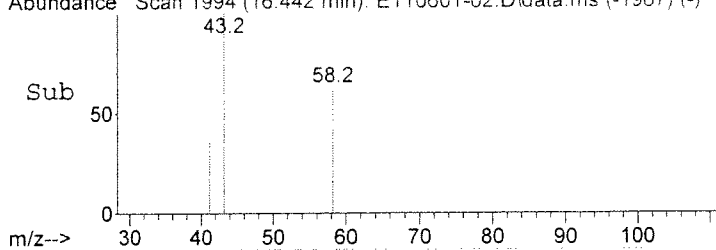


#50
 7142 Methyl Butyl Ketone
 Concen: 0.05 UG/M3
 RT: 16.442 min Scan# 1994
 Delta R.T. 0.018 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

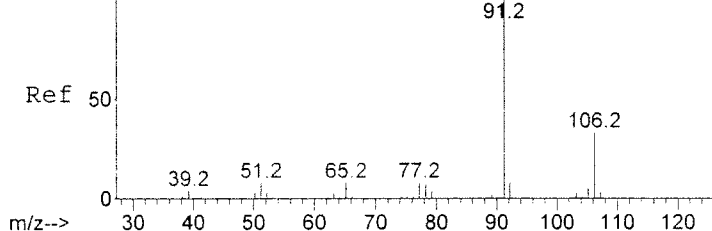
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.0	85.0#
57	0.0	2.1	42.1#



no



Abundance Scan 2251 (18.014 min): 1102004-BS1.D\data.ms (-2239) (-)



#54

7155 Ethylbenzene

Concen: 0.03 UG/M3

RT: 18.020 min Scan# 2252

Delta R.T. 0.006 min

Lab File: E110601-02.D

Acq: 4 Feb 2011 10:03 am

Tgt Ion: 91 Resp: 8400

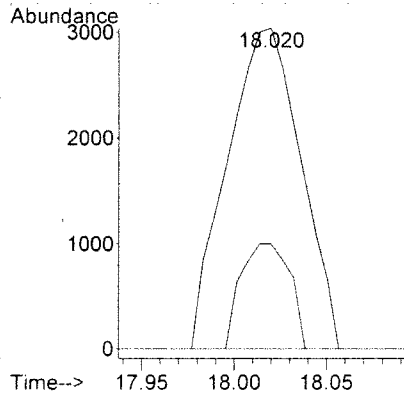
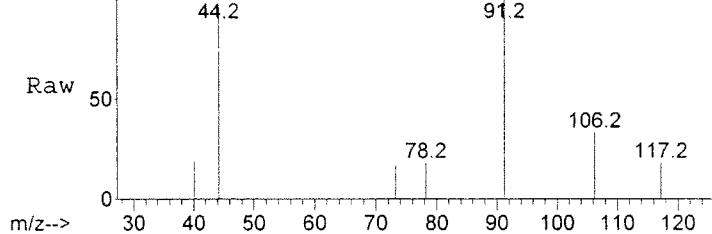
Ion Ratio Lower Upper

91 100

106 0.0 13.2 53.2#

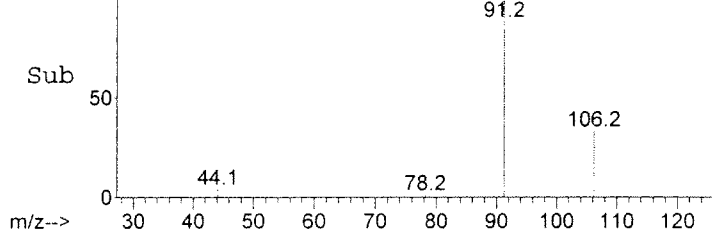
51 0.0 0.0 28.1

Abundance Scan 2252 (18.020 min): E110601-02.D\data.ms

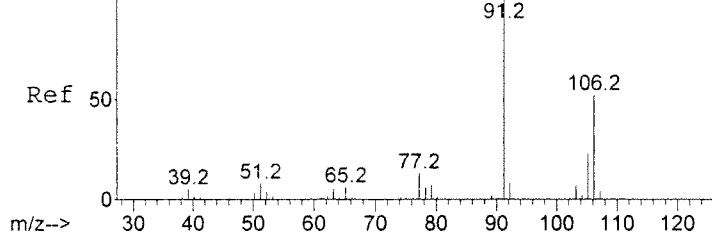


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Abundance Scan 2252 (18.020 min): E110601-02.D\data.ms (-2227) (-)



Abundance Scan 2284 (18.216 min): 1102004-BS1.D\data.ms (-2270) (-)



#55

7156 (m- and/or p-) Xylene

Concen: 0.05 UG/M3

RT: 18.210 min Scan# 2283

Delta R.T. -0.006 min

Lab File: E110601-02.D

Acq: 4 Feb 2011 10:03 am

Tgt Ion: 91 Resp: 11584

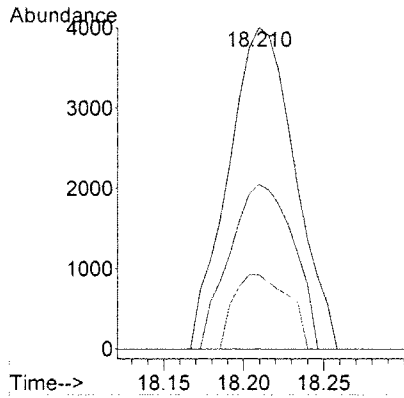
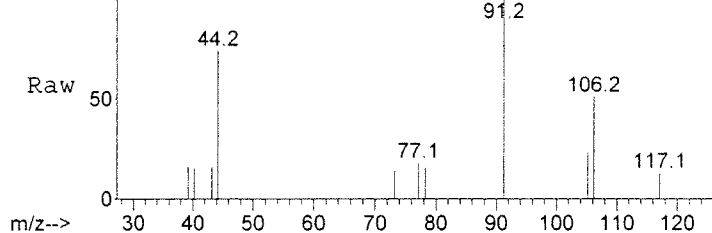
Ion Ratio Lower Upper

91 100

106 49.1 32.5 72.5

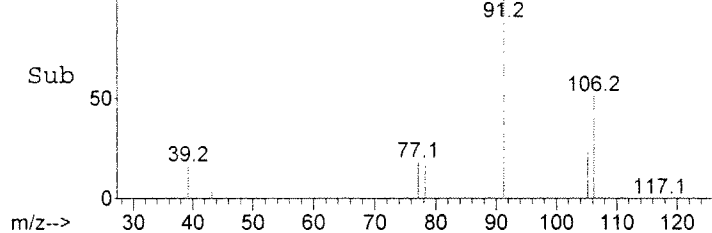
105 0.0 2.9 42.9#

Abundance Scan 2283 (18.210 min): E110601-02.D\data.ms

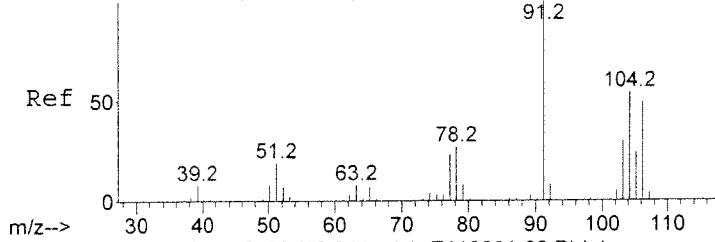


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Abundance Scan 2283 (18.210 min): E110601-02.D\data.ms (-2260) (-)



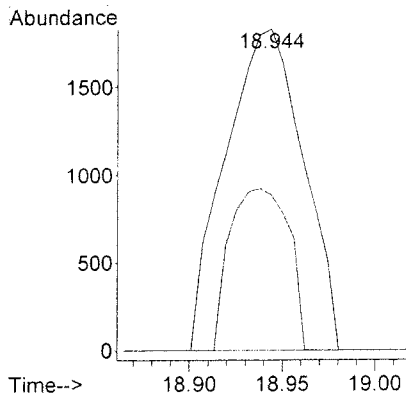
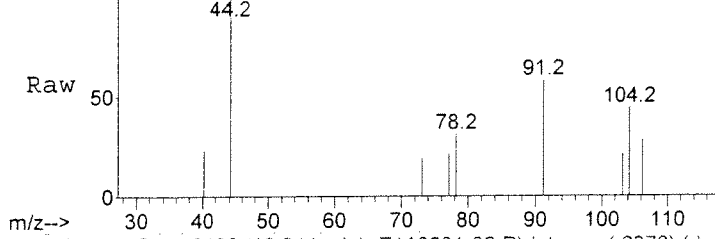
Abundance Scan 2402 (18.938 min): 1102004-BS1.D\data.ms (-2389) (-)



#56
7157 o-Xylene
Concen: 0.02 UG/M3
RT: 18.944 min Scan# 2403
Delta R.T. 0.006 min
Lab File: E110601-02.D
Acq: 4 Feb 2011 10:03 am

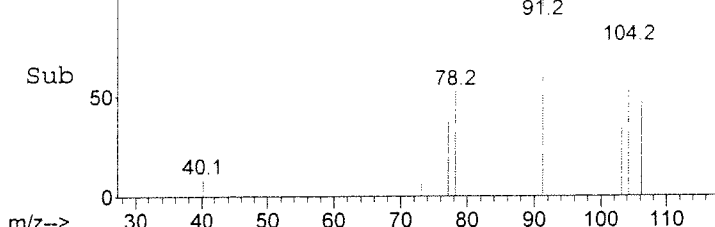
Tgt Ion: 91 Resp: 5321
Ion Ratio Lower Upper
91 100
106 0.0 29.1 69.1#

Abundance Scan 2403 (18.944 min): E110601-02.D\data.ms

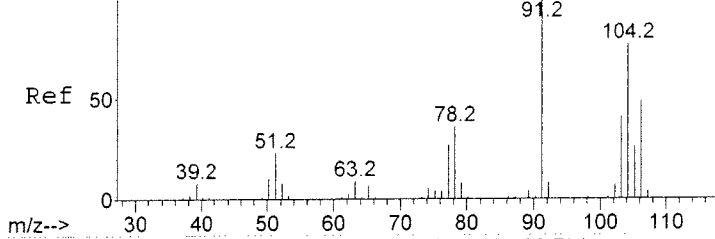


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Abundance Scan 2403 (18.944 min): E110601-02.D\data.ms (-2378) (-)



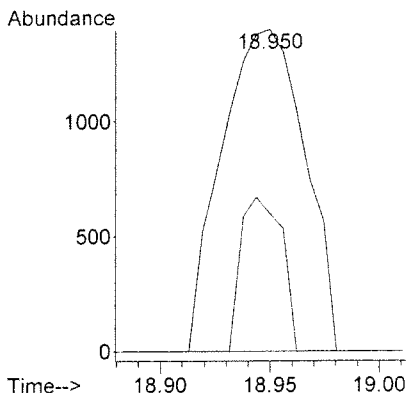
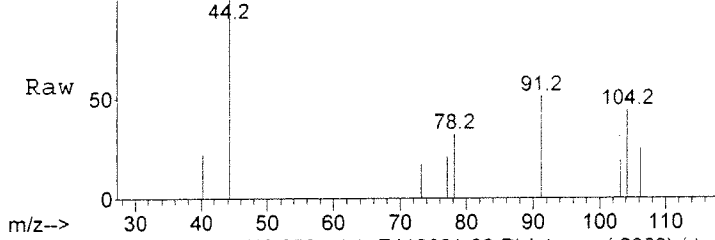
Abundance Scan 2404 (18.950 min): 1102004-BS1.D\data.ms (-2392) (-)



#57
7158 Styrene
Concen: 0.02 UG/M3
RT: 18.950 min Scan# 2404
Delta R.T. -0.000 min
Lab File: E110601-02.D
Acq: 4 Feb 2011 10:03 am

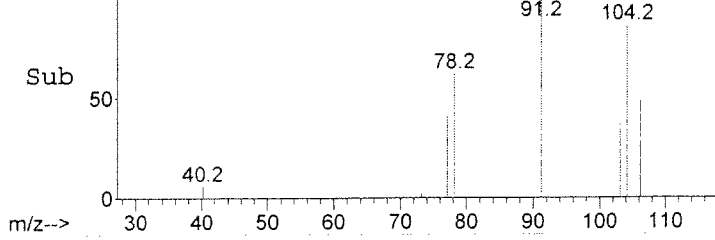
Tgt Ion: 104 Resp: 3678
Ion Ratio Lower Upper
104 100
103 0.0 33.3 73.3#

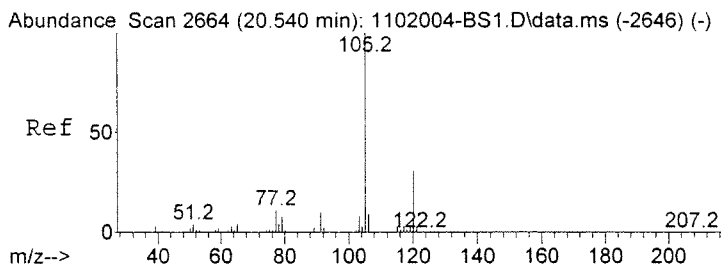
Abundance Scan 2404 (18.950 min): E110601-02.D\data.ms



LMDL

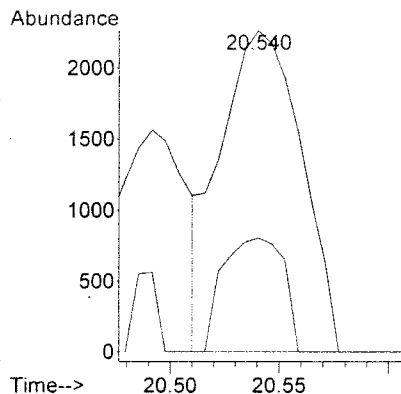
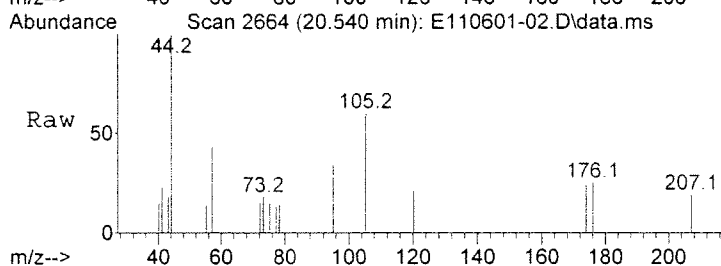
Abundance Scan 2404 (18.950 min): E110601-02.D\data.ms (-2380) (-)



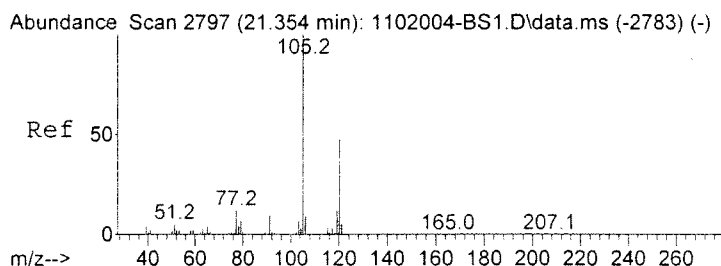
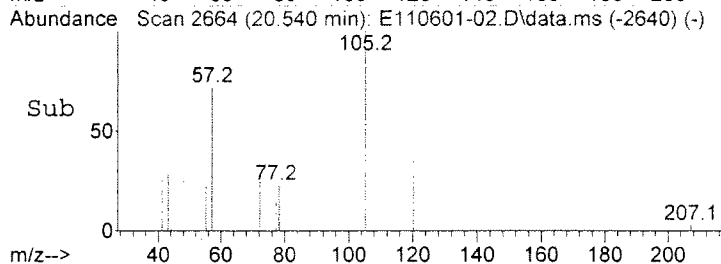


#62
 7047 4-Ethyltoluene (1-ethyl-4-methylbe
 Concen: 0.02 UG/M3
 RT: 20.540 min Scan# 2664
 Delta R.T. -0.000 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	5843		
120	0.0	13.3		53.3#

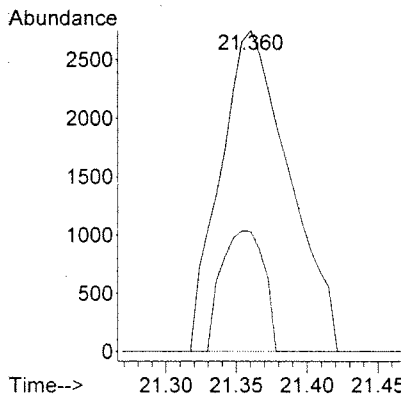
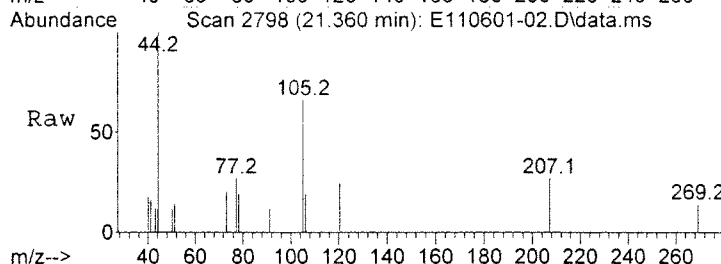


LMR

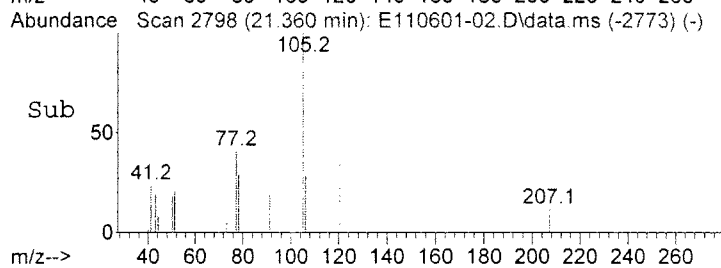


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.05 UG/M3
 RT: 21.360 min Scan# 2798
 Delta R.T. 0.006 min
 Lab File: E110601-02.D
 Acq: 4 Feb 2011 10:03 am

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	9349		
120	0.0	28.1		68.1#



LMR



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.02
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3000 Area counts
 Max Peaks: 3
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-02.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.298	3	9	18	rVB	49612	118652	1.01%	0.316%
2	4.432	18	31	38	rVV	148111	420297	3.56%	1.118%
3	4.518	38	45	61	rVB2	139784	416653	3.53%	1.108%
4	4.879	88	104	111	rBV3	33322	108660	0.92%	0.289%
5	5.252	146	165	176	rBV	53205	199978	1.69%	0.532%
6	5.503	193	206	218	rVB	83374	262980	2.23%	0.699%
7	6.421	345	356	373	rVB	31813	115191	0.98%	0.306%
8	6.794	405	417	431	rVB	50925	169862	1.44%	0.452%
9	7.852	572	590	608	rBV	117467	460882	3.90%	1.226%
10	10.507	1012	1024	1038	rBV6	26105	108495	0.92%	0.289%
11	10.801	1061	1072	1095	rVB	31568	100598	0.85%	0.268%
12	11.553	1182	1195	1229	rBV	2159828	6593279	55.85%	17.534%
13	12.275	1299	1313	1325	rVB	56708	169781	1.44%	0.452%
14	12.814	1387	1401	1420	rBV	690731	2002370	16.96%	5.325%
15	15.304	1795	1808	1821	rBV2	3397806	10155975	86.03%	27.008%
16	15.414	1821	1826	1839	rVB	44112	128646	1.09%	0.342%
17	17.800	2203	2216	2237	rBV	724729	2120195	17.96%	5.638%
18	19.604	2499	2511	2522	rBV	54949	170475	1.44%	0.453%
19	19.886	2538	2557	2575	rBV	4033594	11805122	100.00%	31.394%
20	20.045	2575	2583	2595	rVB	42992	159288	1.35%	0.424%
21	22.033	2897	2908	2925	rBV	552329	1665456	14.11%	4.429%
22	23.887	3194	3211	3228	rBV7	38516	150133	1.27%	0.399%

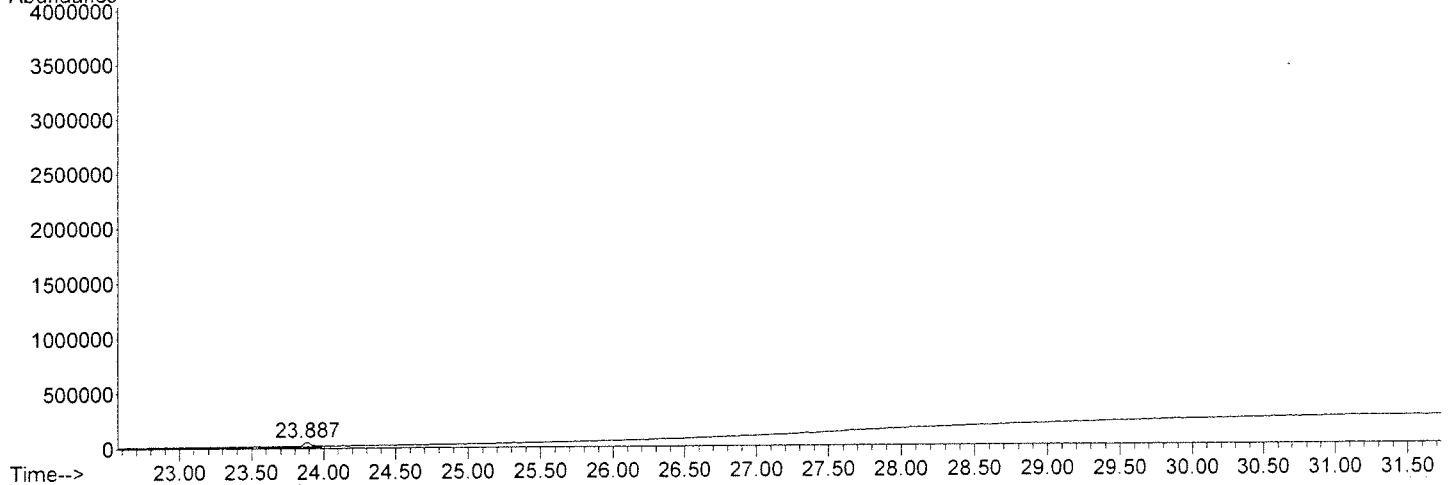
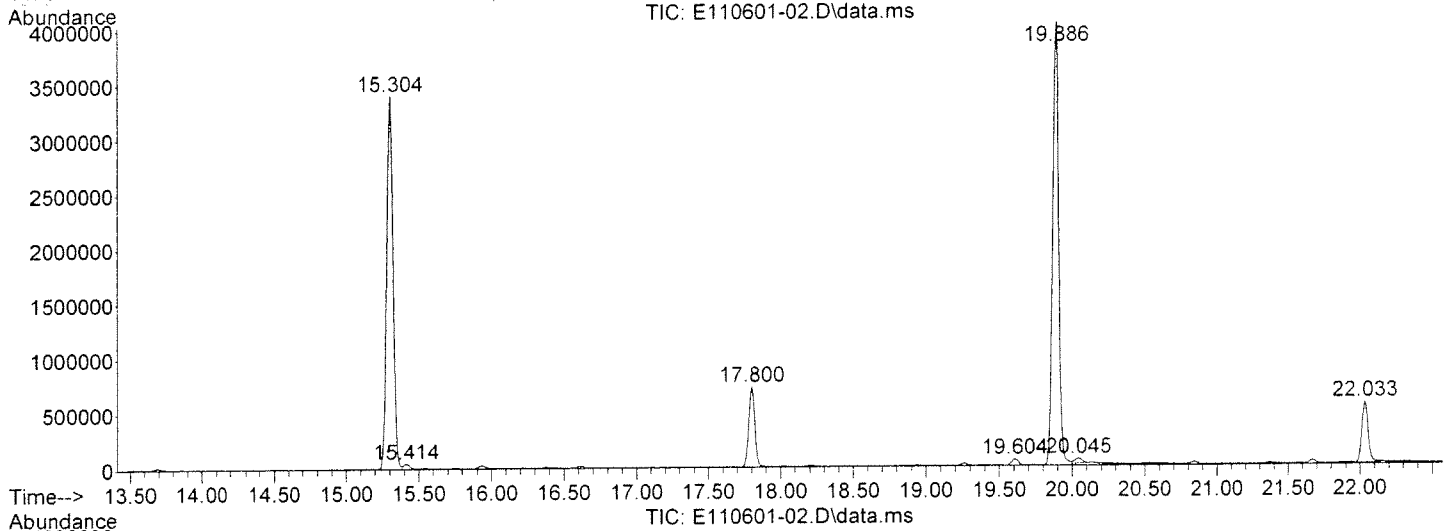
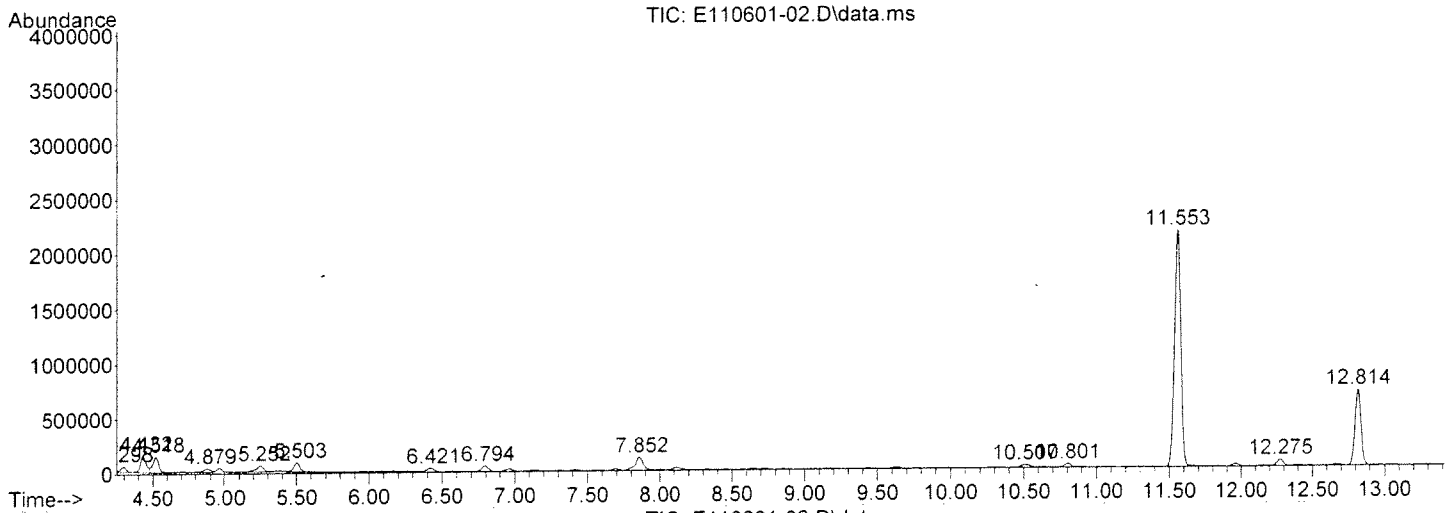
Sum of corrected areas: 37602968

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-02.D
Acq On : 4 Feb 2011 10:03 am
Operator : FW
Sample : E110601-02
Misc : can3590,500cc,ip=13.2,fp=30.8
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Acetaldehyde Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.503	3.13 UG/M3	262980	IS01 Difluorobenzene	12.814

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acetaldehyde	44	C2H4O	000075-07-0	74
2		Ethylene oxide	44	C2H4O	000075-21-8	5
3		Propane	44	C3H8	000074-98-6	4
4		Cyclopropyl carbinol	72	C4H8O	002516-33-8	4
5		Acetic acid, [(aminocarbonyl)ami...	132	C3H4N2O4	000585-05-7	4

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-02.D
 Acq On : 4 Feb 2011 10:03 am
 Operator : FW
 Sample : E110601-02
 Misc : can3590,500cc,ip=13.2,fp=30.8
 ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
acetaldehyde	5.503	3.1	UG/M3	262980	1	12.814	2002370	23.8

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
 Operator : FW
 Sample : E110601-06
 Misc : can6681,500cc,ip=12.8,fp=30
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 04 11:27:22 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

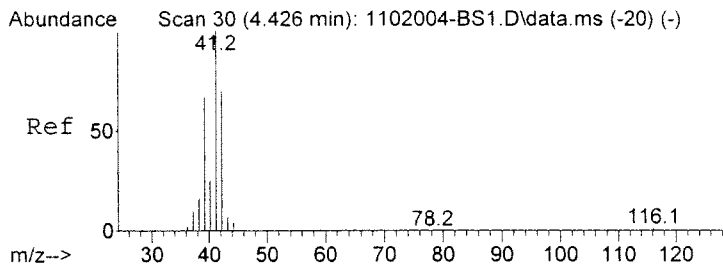
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	939404	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.799	117	761791	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	303405	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.432	41	54196	0.38 1.10	UG/M3	98 <i>Qvalue <5> 61K</i>
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	180295	1.10	UG/M3	98
4) 7017 Freon 114 (Cl2F4E...	4.842	85	6935	0.05	UG/M3#	77
5) 7025 Chloromethane	4.965	50	59344	0.42	UG/M3	99
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	76235	0.57	UG/M3	99
12) 7011 Freon 113 (Cl3F3E...	7.797	101	20398	0.24	UG/M3	97
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.858	43	245410	1.50	UG/M3	100
15) 7024 Isopropanol	8.115	45	42363	0.26	UG/M3	98 <i><5> 61K</i>
16) 7052 Carbon Disulfide	8.244	76	5041	0.02	UG/M3#	74
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	8.641	49	8615	0.10	UG/M3	94
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	9.626	57	12298	0.08	UG/M3#	82
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	10.801	72	14879	0.33	UG/M3	98
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	0.000		0	N.D.		
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	11.804	56	5060	0.03	UG/M3#	14
33) 7080 Carbon Tetrachloride	11.957	117	21358	0.22	UG/M3	96
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.275	78	79002	0.26	UG/M3	98
36) 7036 Isooctane (2,2,4-...	12.398	57	12846	0.04	UG/M3	94
37) 7038 Heptane	12.661	43	8942	0.07	UG/M3#	34
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
 Operator : FW
 Sample : E110601-06
 Misc : can6681,500cc,ip=12.8,fp=30
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 04 11:27:22 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	54932	0.19	UG/M3	99
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.014	91	11114	0.04	UG/M3#	89
55) 7156 (m- and/or p-) Xy...	18.215	91	22358	0.70	UG/M3	97
56) 7157 o-Xylene	18.944	91	9150	0.04	UG/M3	90
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	21.354	105	11033	0.05	UG/M3	75
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

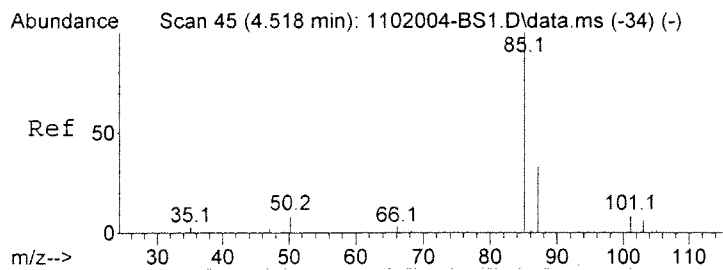
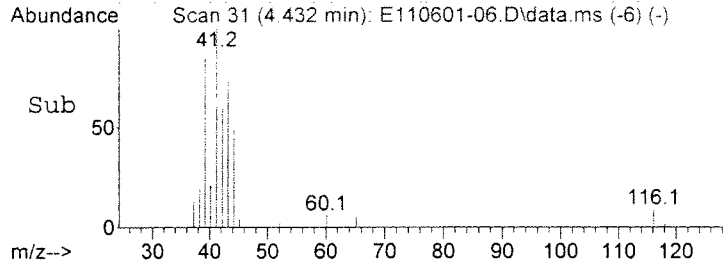
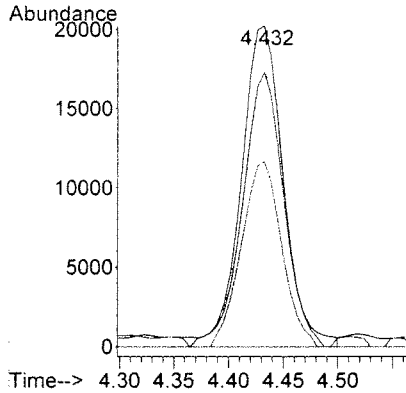
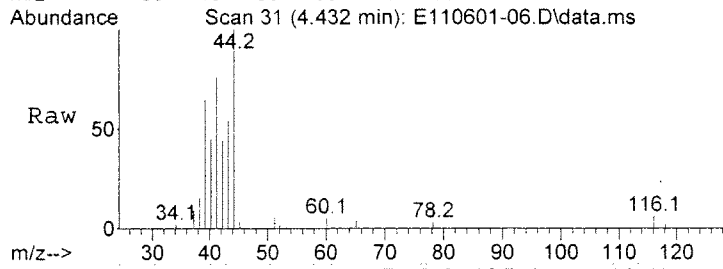
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 7001 Propene
 Concen: 0.38 UG/M3
 RT: 4.432 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

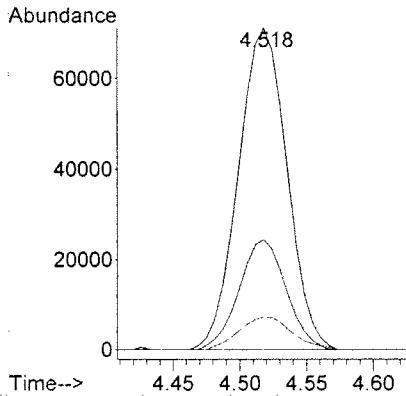
Tgt Ion:	41	39	42	Resp:	54196	Lower	Upper
Ion Ratio	100	83.1	55.1			46.6	86.6
						48.0	88.0

LSx bIK

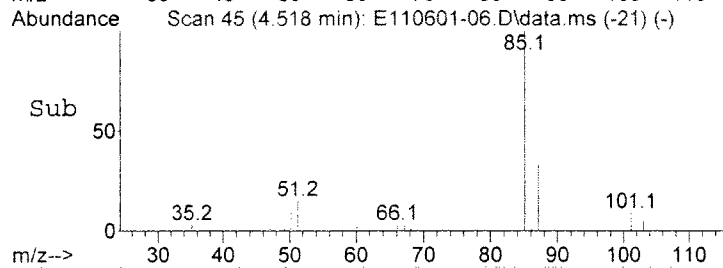
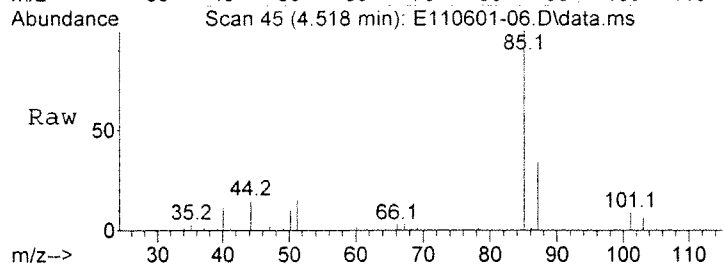


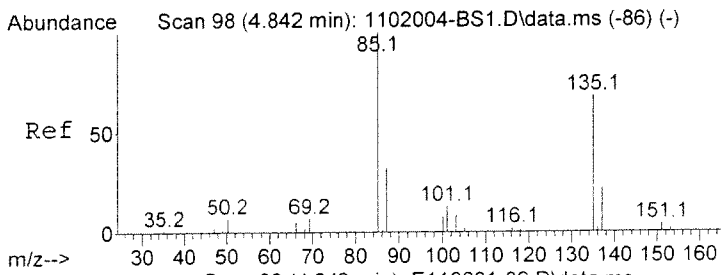
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.10 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion:	85	87	50	Resp:	180295	Lower	Upper
Ion Ratio	100	33.2	11.0			12.7	52.7
						0.0	29.4



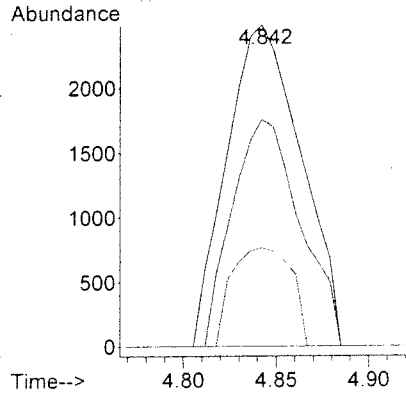
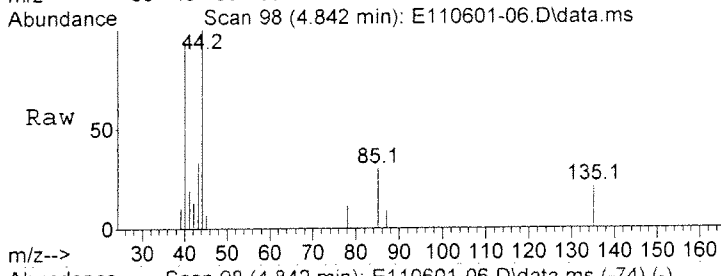
OK



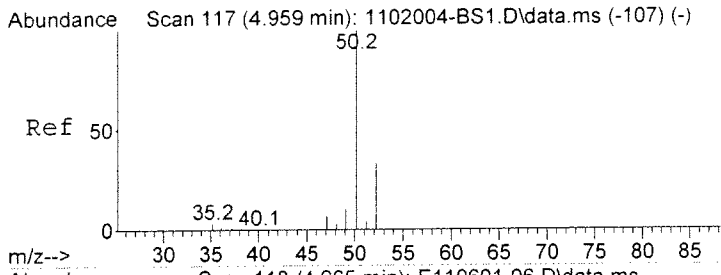
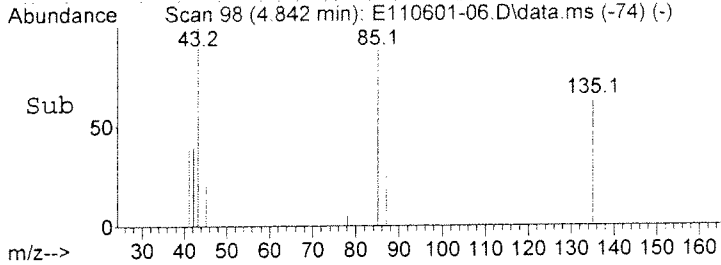


#4
 7017 Freon 114 (Cl2F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.842 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Ratio	Lower	Upper
85	100		
135	64.5	50.8	90.8
87	0.0	12.2	52.2#

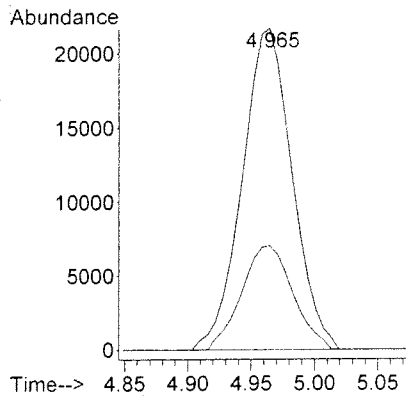
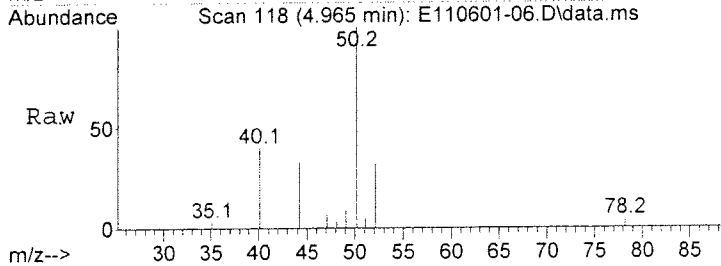


NO

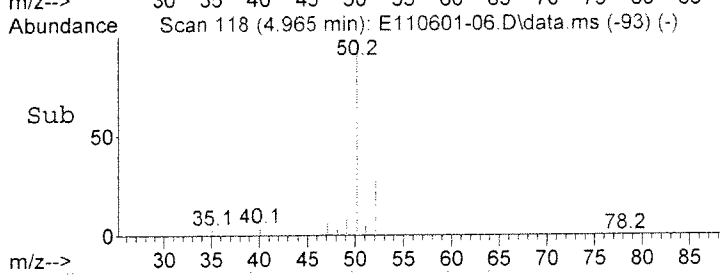


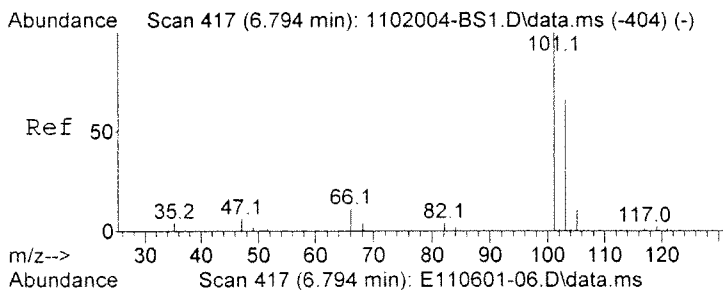
#5
 7025 Chloromethane
 Concen: 0.42 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.1	12.8	52.8



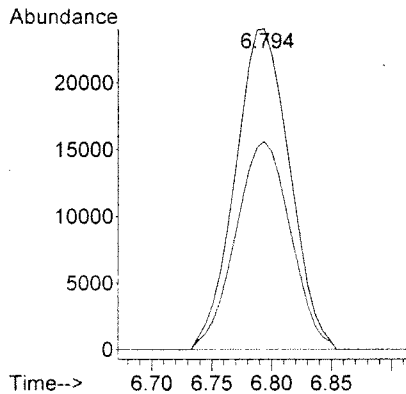
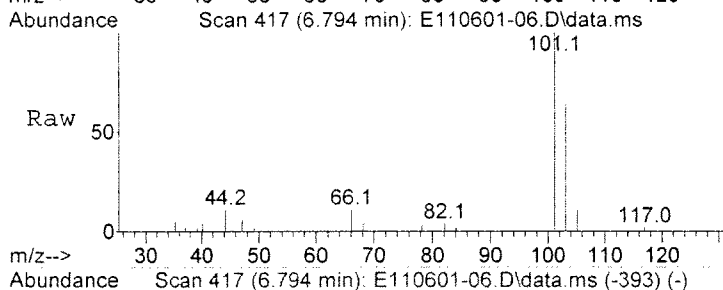
OK



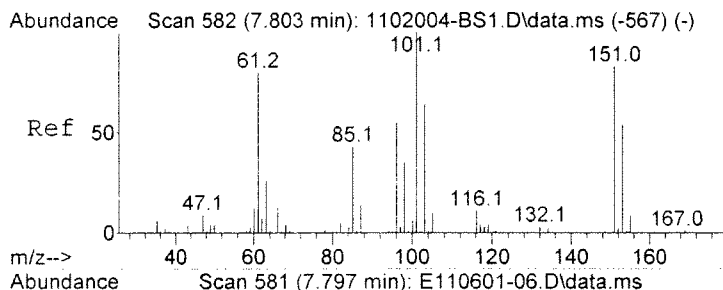


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.57 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Resp	Lower	Upper
101	100		
103	65.3	44.7	84.7

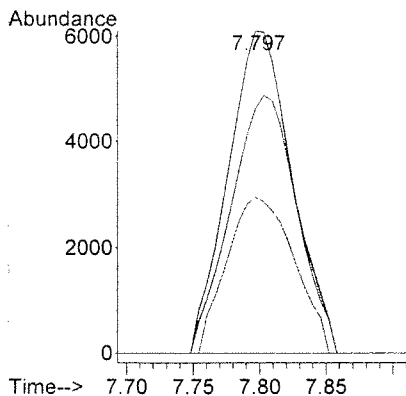
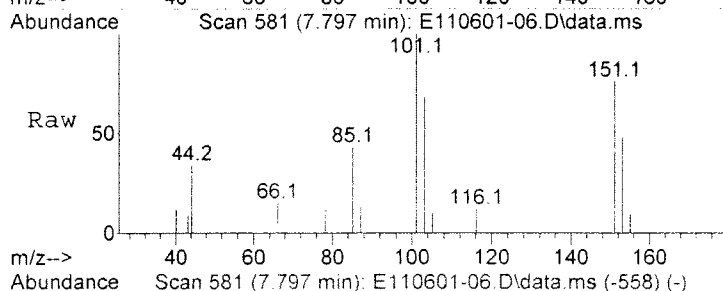


OK

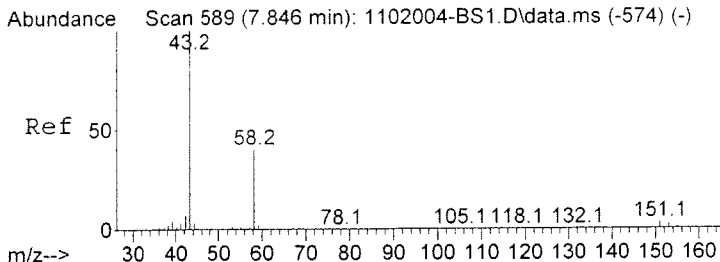


#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.24 UG/M3
 RT: 7.797 min Scan# 581
 Delta R.T. -0.006 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Resp	Lower	Upper
101	100		
151	82.3	64.5	104.5
153	50.9	34.1	74.1

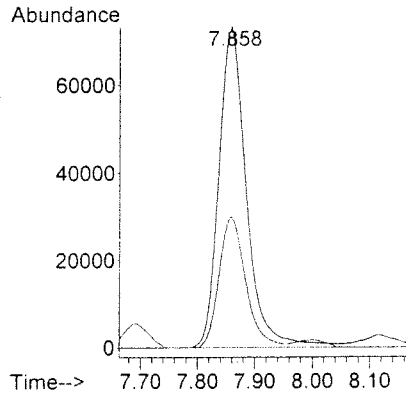
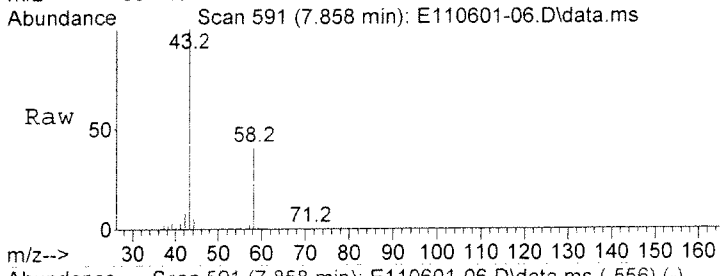


OK

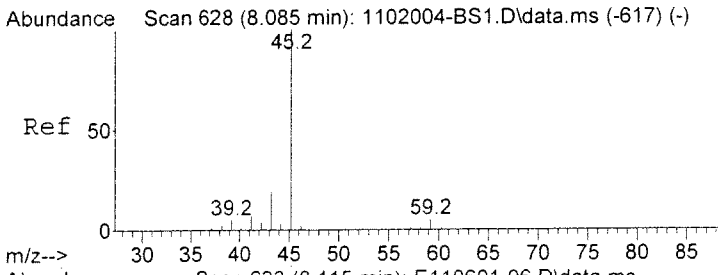
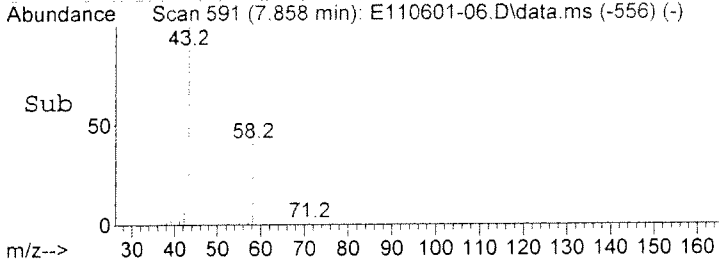


#14
 7051 Acetone
 Concen: 1.50 UG/M3
 RT: 7.858 min Scan# 591
 Delta R.T. 0.018 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	19.9	59.9

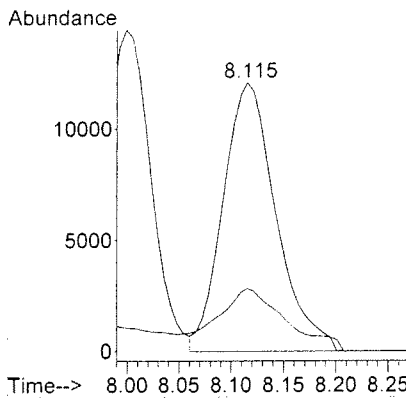
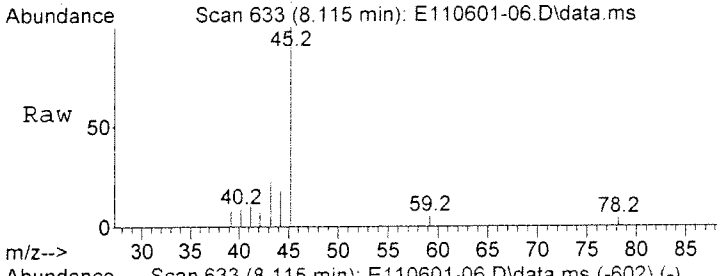


OK

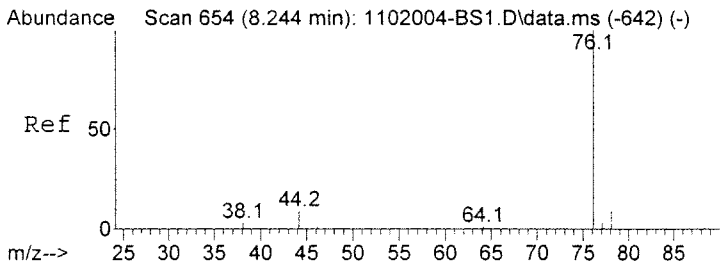


#15
 7024 Isopropanol
 Concen: 0.26 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Ratio	Lower	Upper
45	100		
43	16.6	0.0	37.4

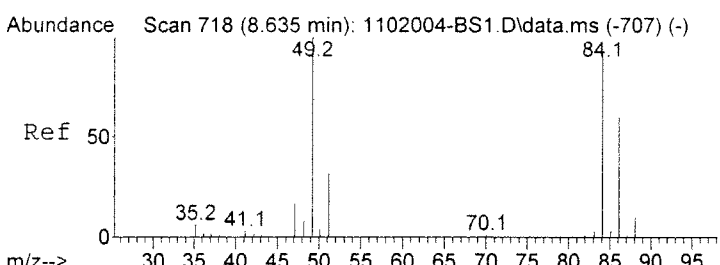
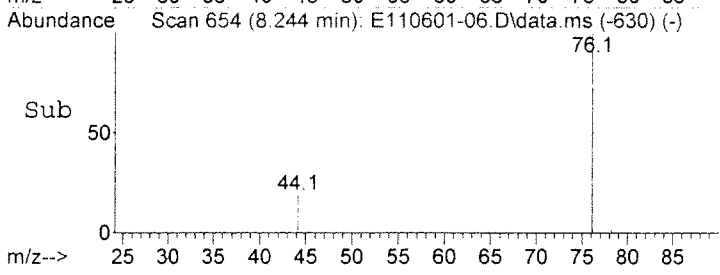
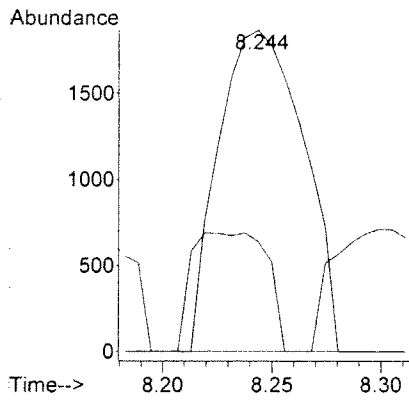
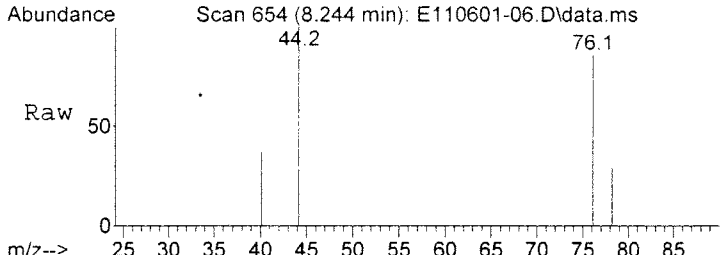


5x blk



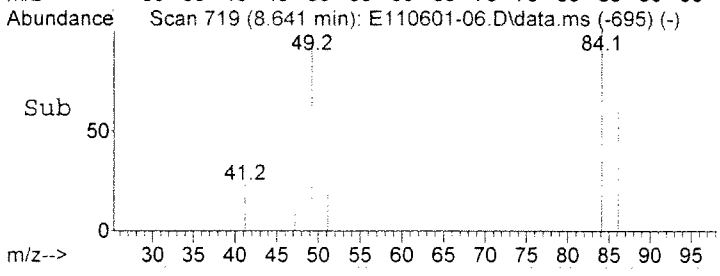
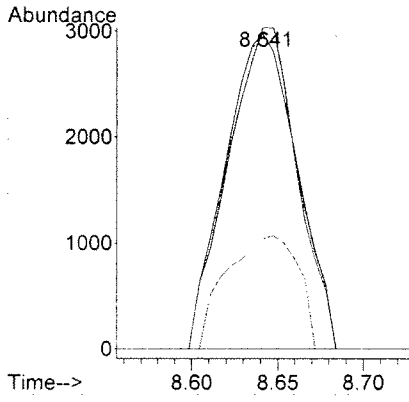
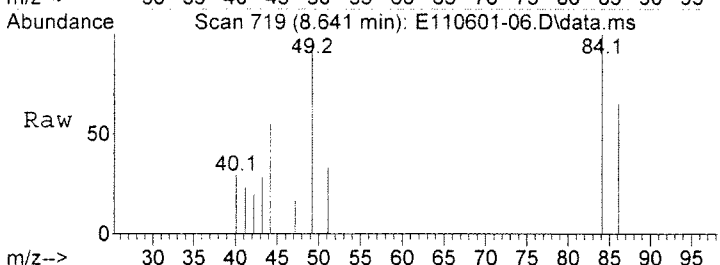
#16
 7052 Carbon Disulfide
 Concen: 0.02 UG/M3
 RT: 8.244 min Scan# 654
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Resp	Lower	Upper
76	5041		
76	100		
78	0.0	0.0	29.3

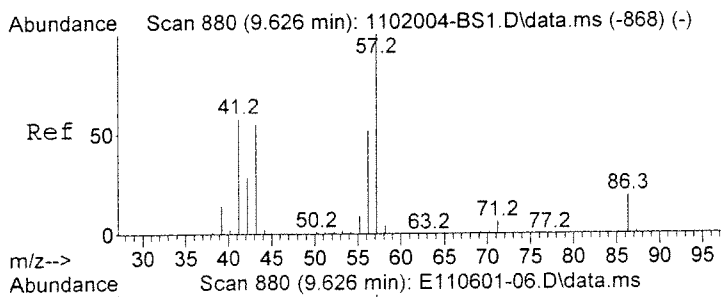


#18
 7045 Methylene Chloride
 Concen: 0.10 UG/M3
 RT: 8.641 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Resp	Lower	Upper
49	8615		
49	100		
84	97.9	72.8	112.8
51	35.7	11.5	51.5

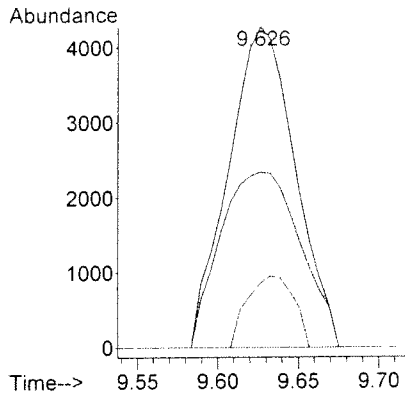
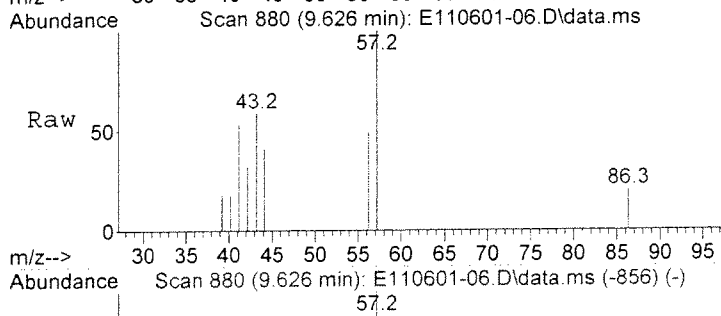


OK

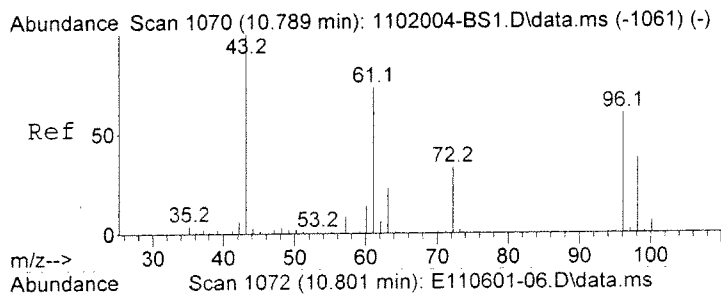
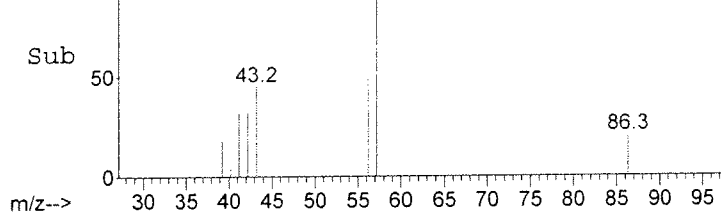


#22
 7016 Hexane
 Concen: 0.08 UG/M3
 RT: 9.626 min Scan# 880
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Resp	Lower	Upper
57	12298		
41	65.6	37.9	77.9
86	0.0	0.0	39.0

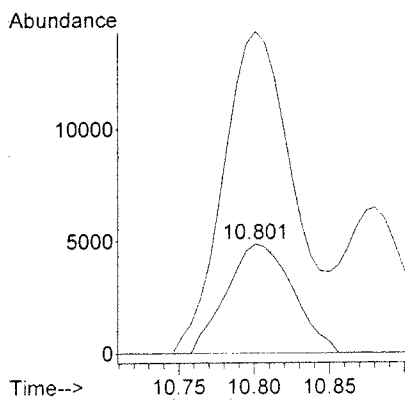
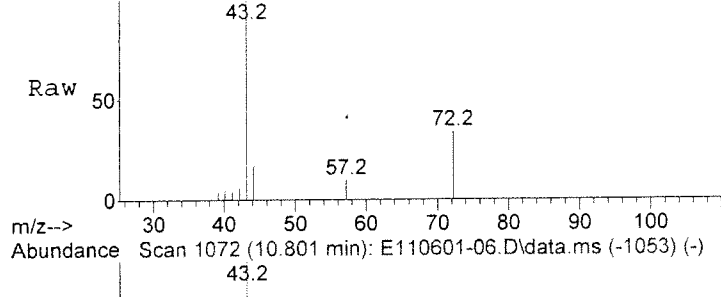


OK

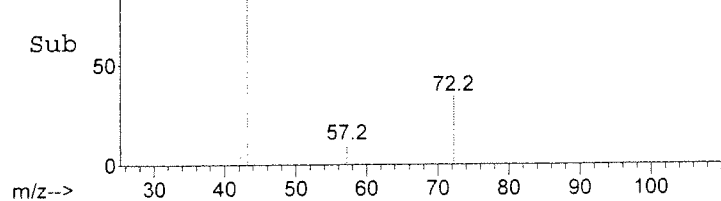


#25
 7058 Methyl Ethyl Ketone
 Concen: 0.33 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. 0.018 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

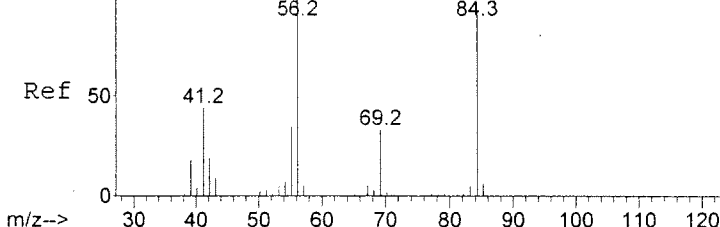
Tgt Ion	Resp	Lower	Upper
72	14879		
72	100		
43	311.0	287.4	327.4



OK



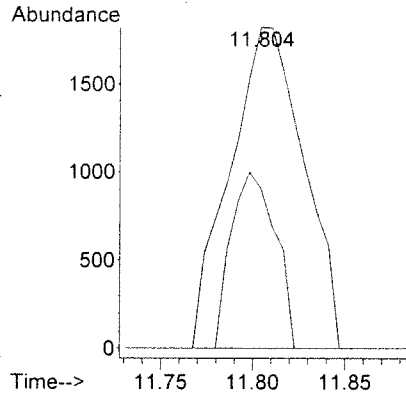
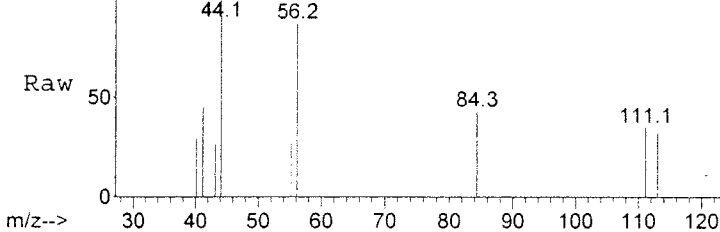
Abundance Scan 1236 (11.804 min): 1102004-BS1.D\data.ms (-1223) (-)



#32
7013 Cyclohexane
Concen: 0.03 UG/M3
RT: 11.804 min Scan# 1236
Delta R.T. -0.000 min
Lab File: E110601-06.D
Acq: 4 Feb 2011 10:52 am

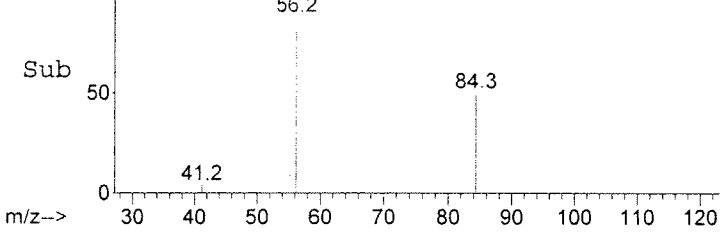
Tgt Ion	Resp	Lower	Upper
56	100		
84	0.0	71.4	111.4#
69	0.0	13.2	53.2#

Abundance Scan 1236 (11.804 min): E110601-06.D\data.ms

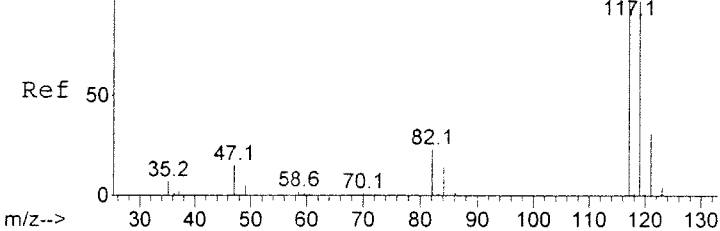


CMDL

Abundance Scan 1236 (11.804 min): E110601-06.D\data.ms (-1212) (-)



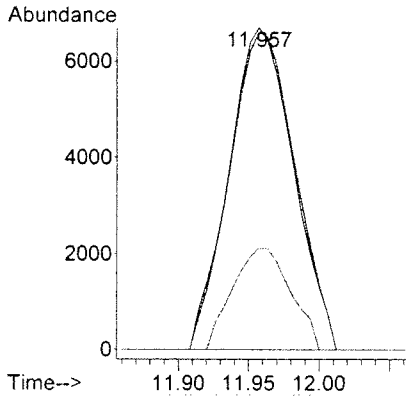
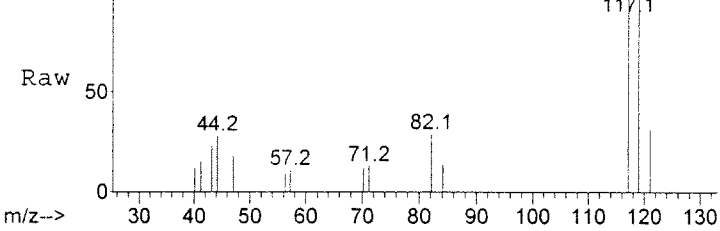
Abundance Scan 1262 (11.963 min): 1102004-BS1.D\data.ms (-1248) (-)



#33
7080 Carbon Tetrachloride
Concen: 0.22 UG/M3
RT: 11.957 min Scan# 1261
Delta R.T. -0.006 min
Lab File: E110601-06.D
Acq: 4 Feb 2011 10:52 am

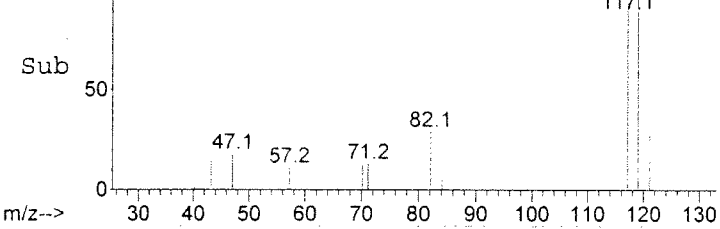
Tgt Ion	Resp	Lower	Upper
117	100		
119	100.0	76.4	116.4
121	28.3	11.2	51.2

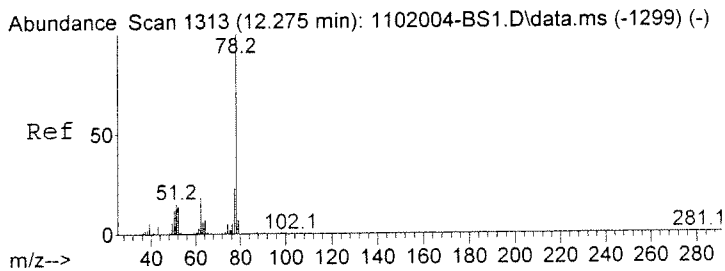
Abundance Scan 1261 (11.957 min): E110601-06.D\data.ms



OK

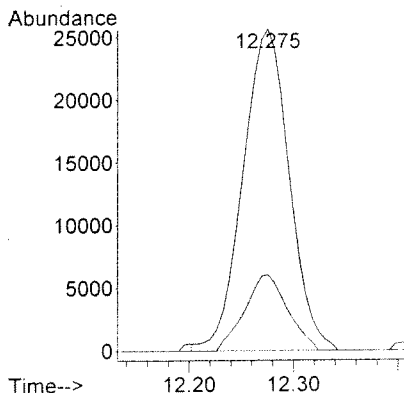
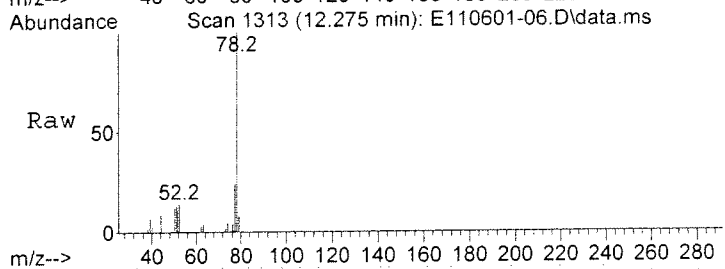
Abundance Scan 1261 (11.957 min): E110601-06.D\data.ms (-1238) (-)



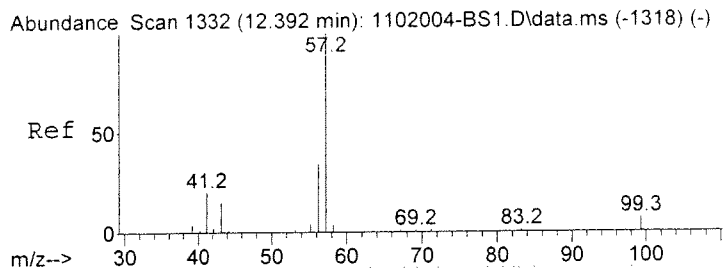
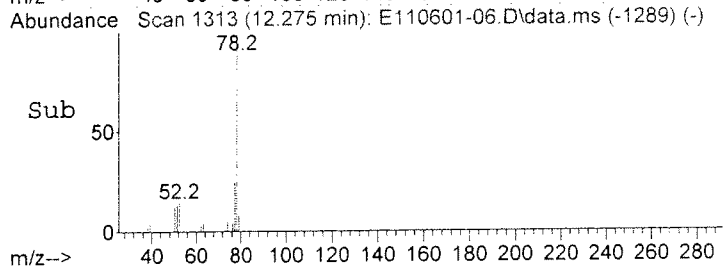


#35
 7105 Benzene
 Concen: 0.26 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Resp	Lower	Upper
78	100		
77	21.7	2.8	42.8

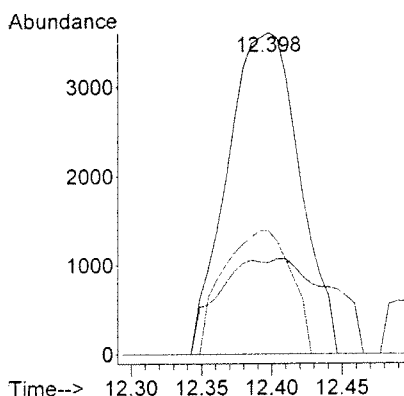
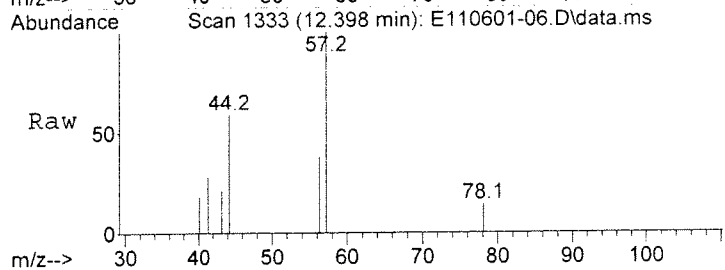


OK

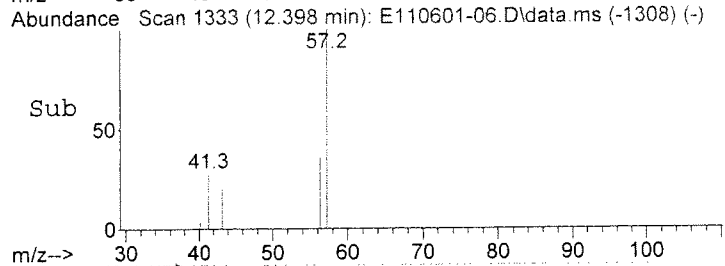


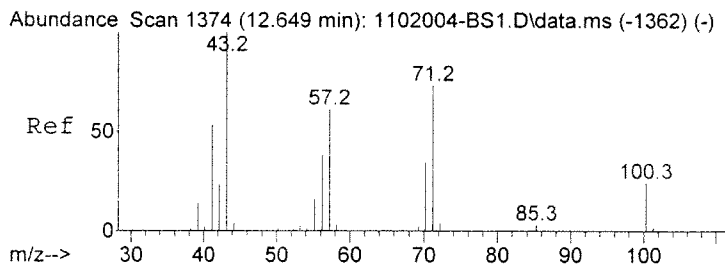
#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.04 UG/M3
 RT: 12.398 min Scan# 1333
 Delta R.T. 0.006 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Resp	Lower	Upper
57	100		
41	23.4	0.3	40.3
56	36.3	13.3	53.3



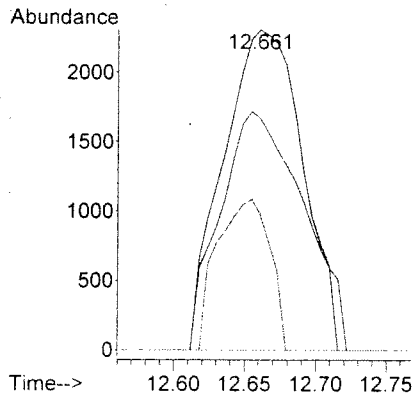
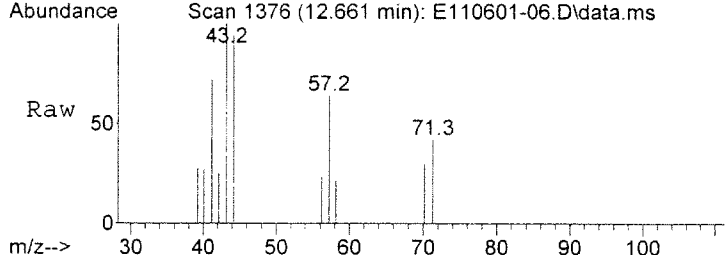
CMPL



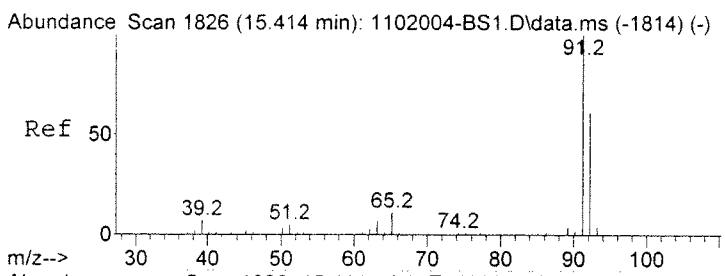
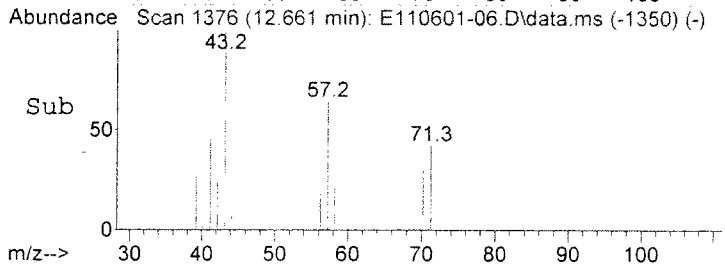


#37
 7038 Heptane
 Concen: 0.07 UG/M3
 RT: 12.661 min Scan# 1376
 Delta R.T. 0.012 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion	Ratio	Lower	Upper
43	100		
41	78.2	32.7	72.7#
71	0.0	54.2	94.2#

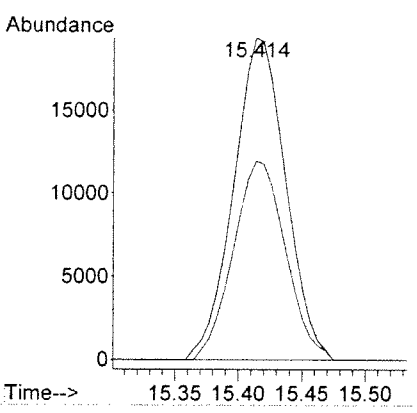
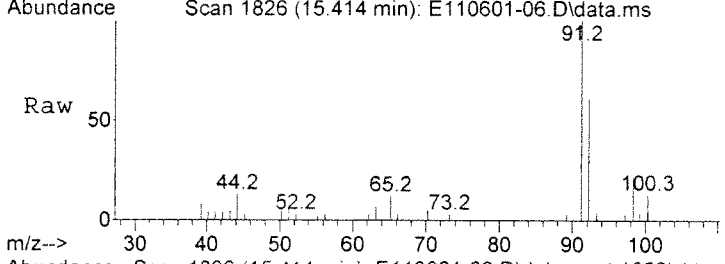


OK

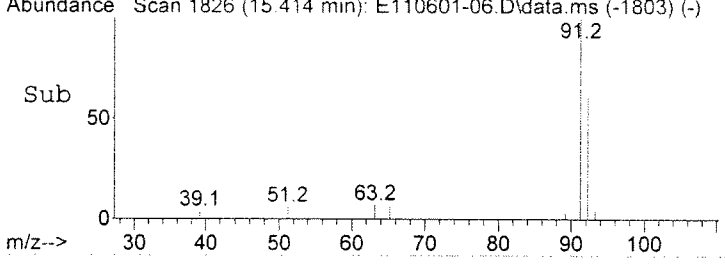


#46
 7145 Toluene
 Concen: 0.19 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

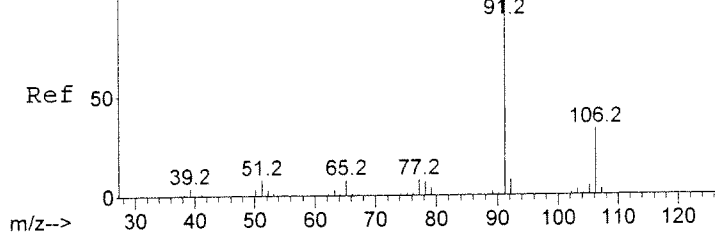
Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.6	41.1	81.1



OK



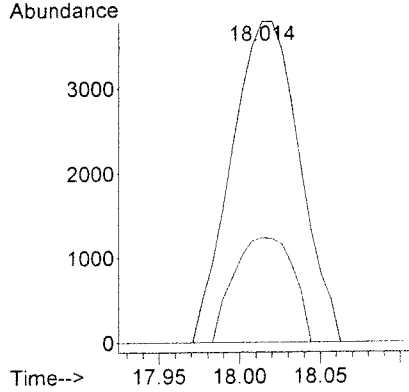
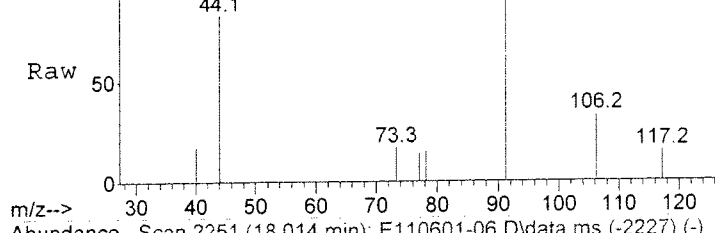
Abundance Scan 2251 (18.014 min): 1102004-BS1.D\data.ms (-2239) (-)



#54
7155 Ethylbenzene
Concen: 0.04 UG/M3
RT: 18.014 min Scan# 2251
Delta R.T. -0.000 min
Lab File: E110601-06.D
Acq: 4 Feb 2011 10:52 am

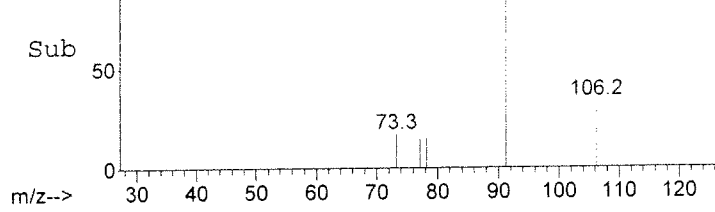
Tgt Ion	Resp	Lower	Upper
91	11114		
106	28.6	13.2	53.2
51	0.0	0.0	28.1

Abundance Scan 2251 (18.014 min): E110601-06.D\data.ms

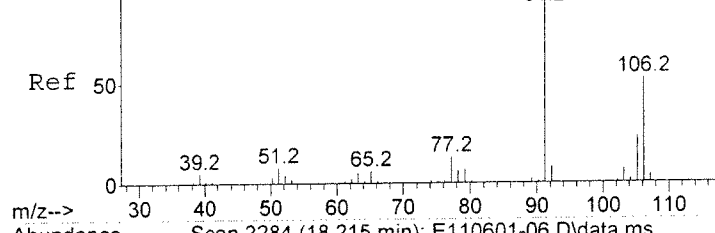


CMDL

Abundance Scan 2251 (18.014 min): E110601-06.D\data.ms (-2227) (-)



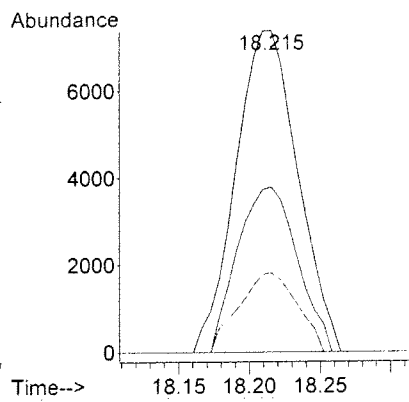
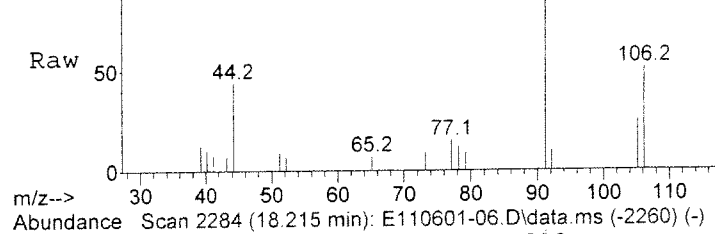
Abundance Scan 2284 (18.216 min): 1102004-BS1.D\data.ms (-2270) (-)



#55
7156 (m- and/or p-) Xylene
Concen: 0.10 UG/M3
RT: 18.215 min Scan# 2284
Delta R.T. -0.000 min
Lab File: E110601-06.D
Acq: 4 Feb 2011 10:52 am

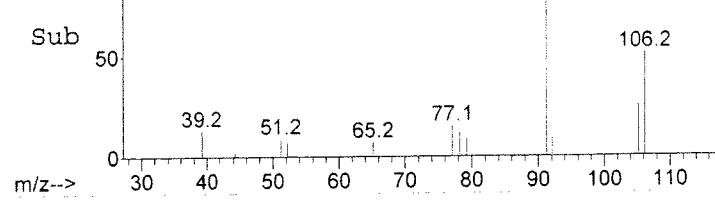
Tgt Ion	Resp	Lower	Upper
91	22358		
106	49.4	32.5	72.5
105	23.1	2.9	42.9

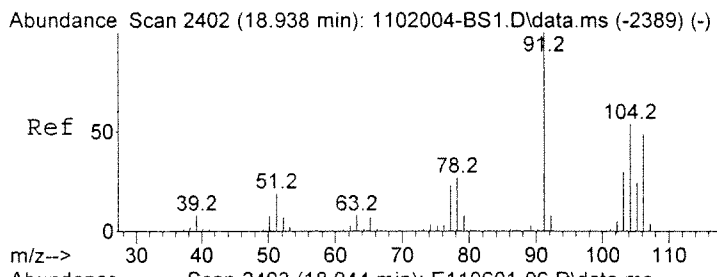
Abundance Scan 2284 (18.215 min): E110601-06.D\data.ms



CMDL

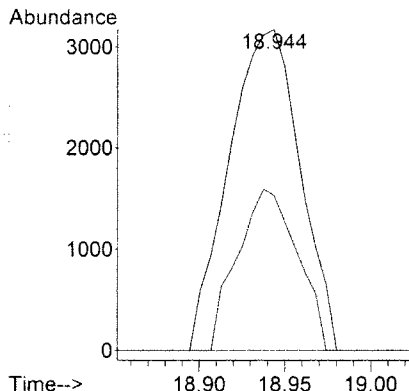
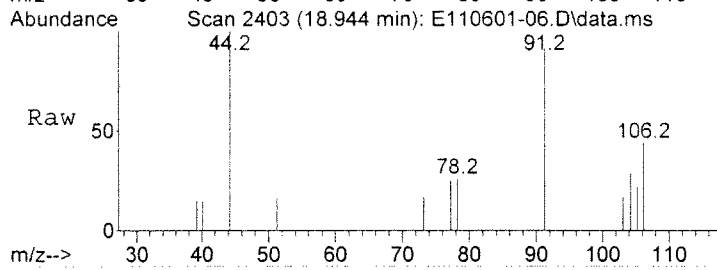
Abundance Scan 2284 (18.215 min): E110601-06.D\data.ms (-2260) (-)



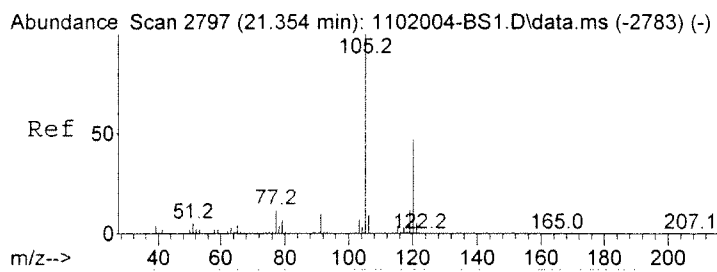
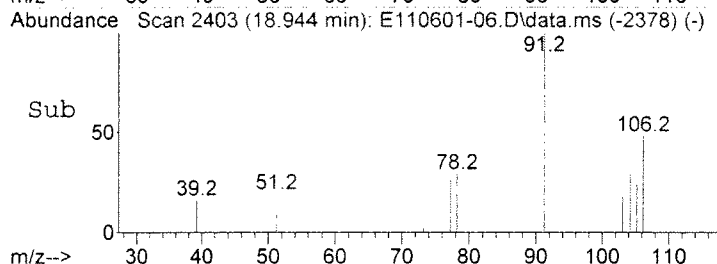


#56
 7157 o-Xylene
 Concen: 0.04 UG/M3
 RT: 18.944 min Scan# 2403
 Delta R.T. 0.006 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion: 91 Resp: 9150
 Ion Ratio Lower Upper
 91 100
 106 42.4 29.1 69.1

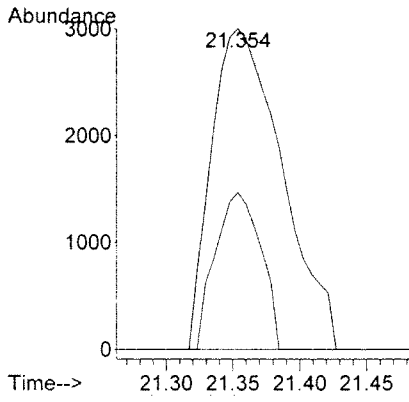
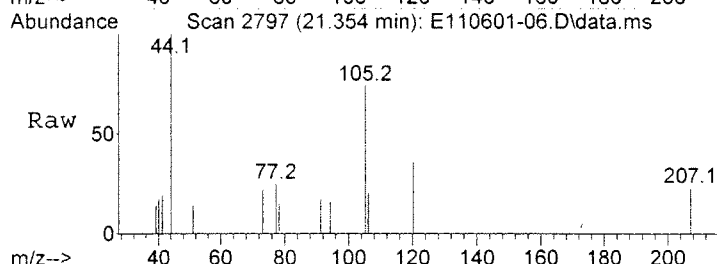


CMDL

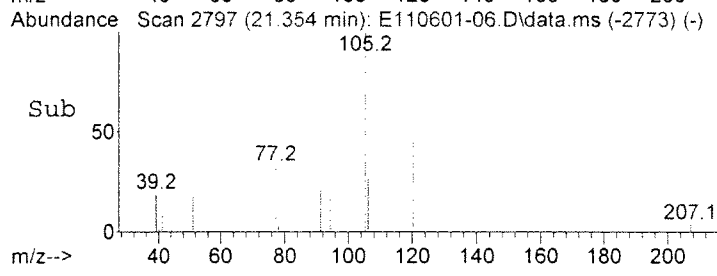


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.05 UG/M3
 RT: 21.354 min Scan# 2797
 Delta R.T. -0.000 min
 Lab File: E110601-06.D
 Acq: 4 Feb 2011 10:52 am

Tgt Ion: 105 Resp: 11033
 Ion Ratio Lower Upper
 105 100
 120 31.5 28.1 68.1



CMDL



Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
 Operator : FW
 Sample : E110601-06
 Misc : can6681,500cc,ip=12.8,fp=30
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-06.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.298	3	9	20	rVB	58059	144045	1.15%	0.268%
2	4.432	20	31	37	rVV	97281	281831	2.25%	0.524%
3	4.518	37	45	59	rVB3	142122	436715	3.48%	0.812%
4	4.879	85	104	111	rBV2	43732	132592	1.06%	0.246%
5	5.246	144	164	175	rBV	75023	254980	2.03%	0.474%
6	5.503	194	206	227	rVB	66307	239300	1.91%	0.445%
7	6.427	346	357	372	rVB2	44257	151281	1.21%	0.281%
8	6.794	405	417	432	rVB	52663	171339	1.37%	0.318%
9	6.959	432	444	460	rBV2	31955	102593	0.82%	0.191%
10	7.118	460	470	485	rBV	28034	100925	0.80%	0.188%
11	7.858	572	591	604	rBV	122451	474114	3.78%	0.881%
12	7.999	604	614	625	rVB	123900	371671	2.96%	0.691%
13	11.553	1181	1195	1211	rBV	2295956	6986386	55.70%	12.985%
14	12.275	1304	1313	1324	rVB	50986	151835	1.21%	0.282%
15	12.814	1389	1401	1420	rBV	666033	1943458	15.50%	3.612%
16	15.303	1794	1808	1821	rBV2	3583075	10799640	86.11%	20.073%
17	15.414	1821	1826	1841	rVB	53433	154300	1.23%	0.287%
18	17.799	2204	2216	2240	rBV	712677	2085577	16.63%	3.876%
19	19.610	2493	2512	2531	rBV	3437713	10605579	84.56%	19.712%
20	19.886	2544	2557	2577	rBV	4292335	12542105	100.00%	23.311%
21	20.143	2590	2599	2616	rVB2	83402	282842	2.26%	0.526%
22	20.840	2700	2713	2731	rVB	1138590	3421497	27.28%	6.359%
23	21.862	2868	2880	2888	rBV2	85442	257585	2.05%	0.479%
24	22.033	2897	2908	2925	rBV	572934	1710317	13.64%	3.179%

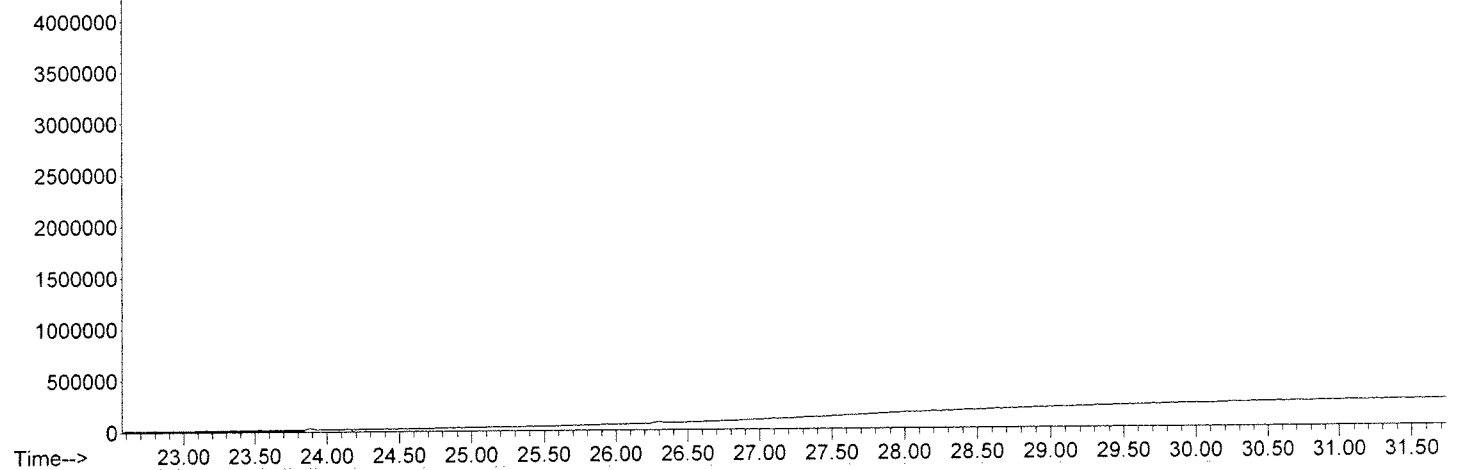
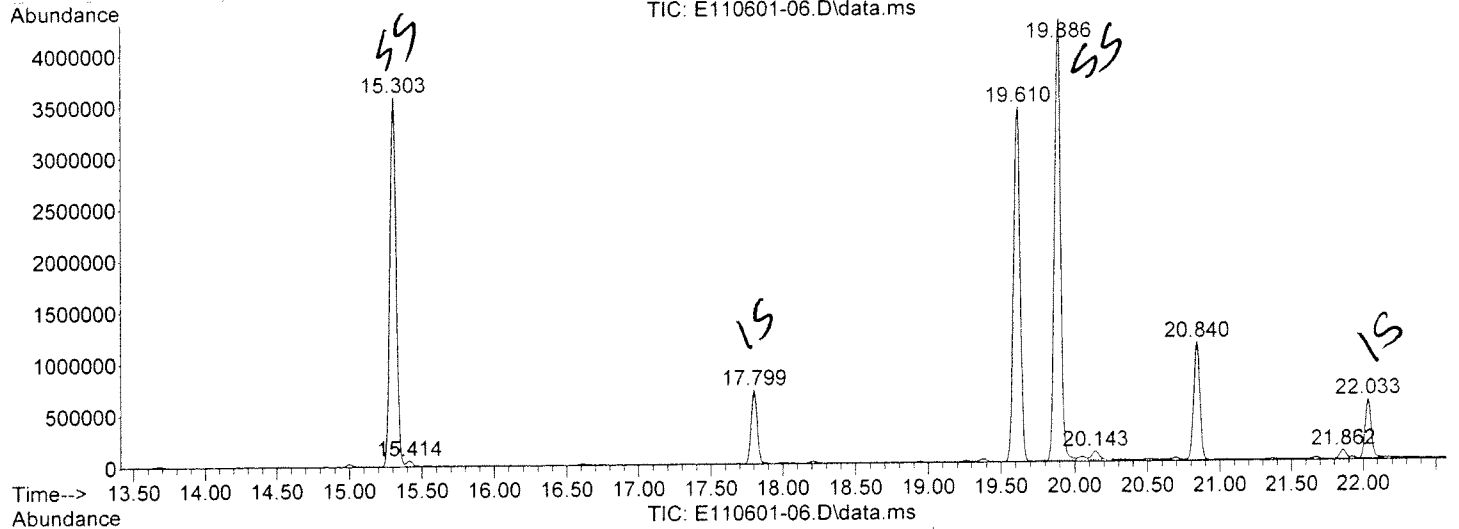
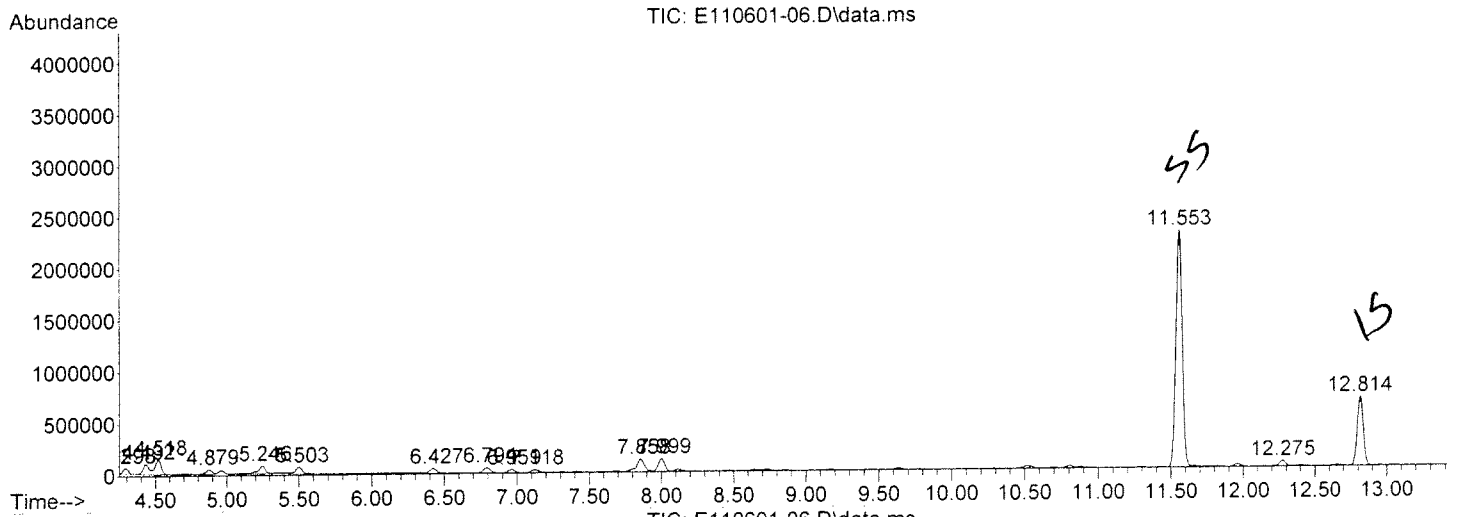
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LSC Report - Integrated Chromatogram

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 Operator : FW
 Sample : E110601-06
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 ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
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 ALS Vial : 11 Sample Multiplier: 1

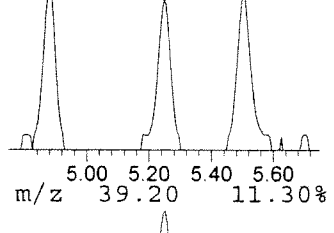
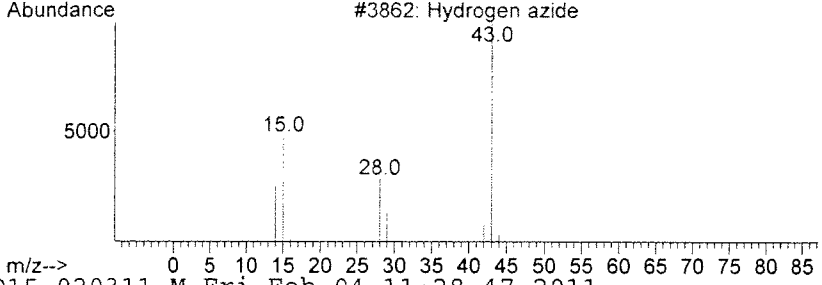
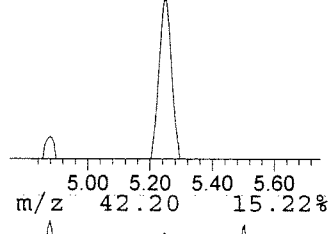
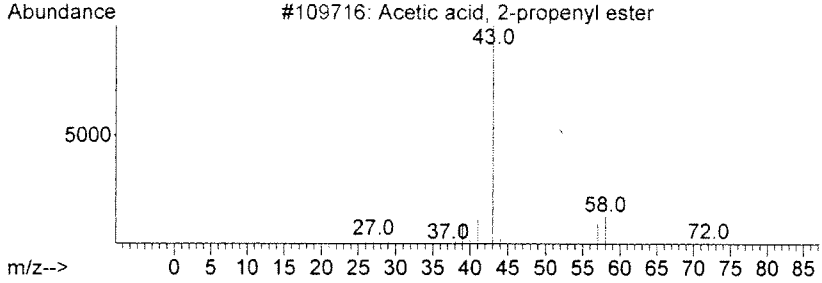
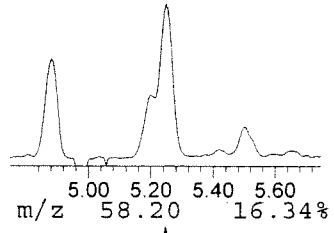
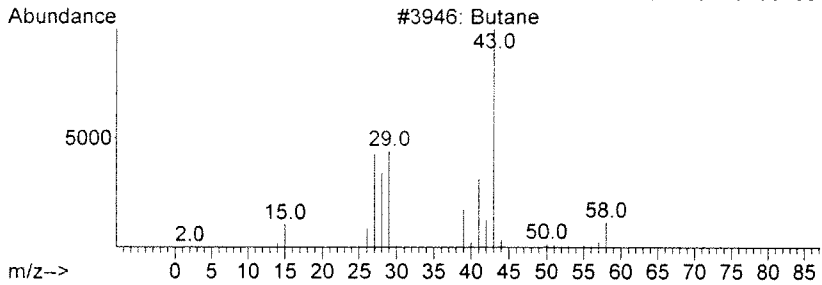
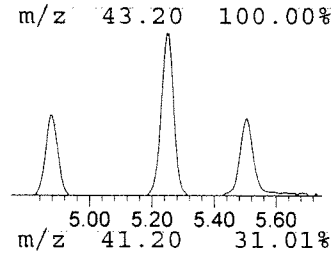
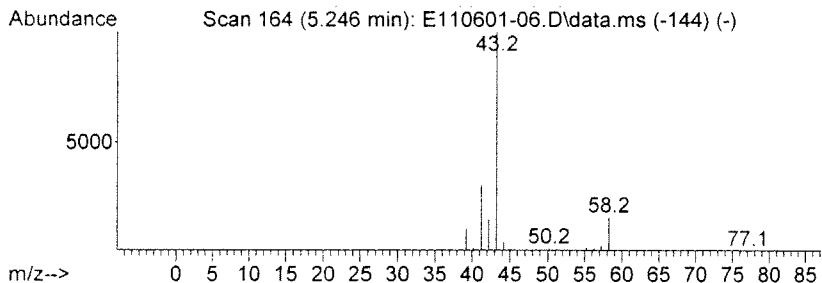
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 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Butane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.246	3.12 UG/M3 ²¹⁰	254980	IS01 Difluorobenzene	12.814

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane	58	C4H10	000106-97-8	80
2		Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	4
3		Hydrogen azide	43	HN3	007782-79-8	4
4		Pentane	72	C5H12	000109-66-0	4
5		2-Propanone, 1-(1-methylethoxy) -	116	C6H12O2	042781-12-4	4



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
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 ALS Vial : 11 Sample Multiplier: 1

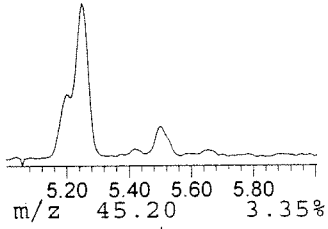
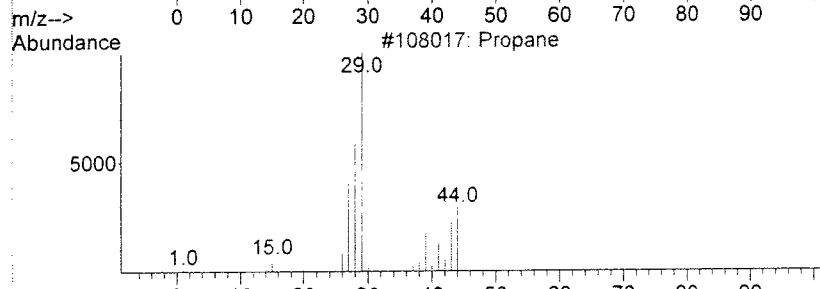
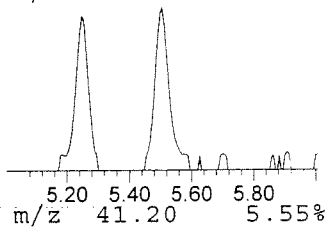
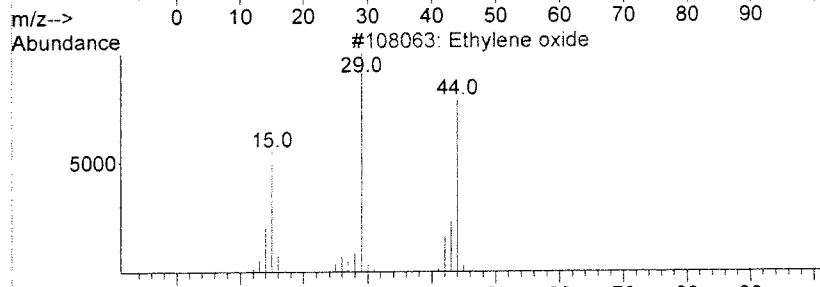
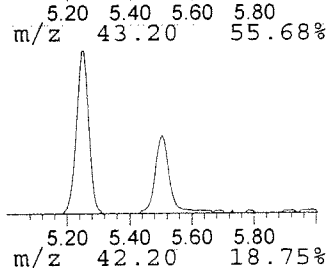
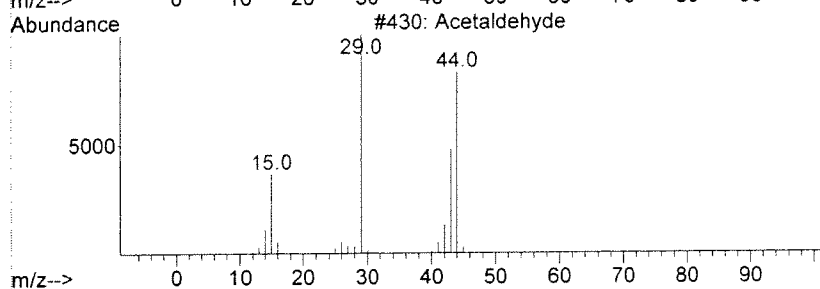
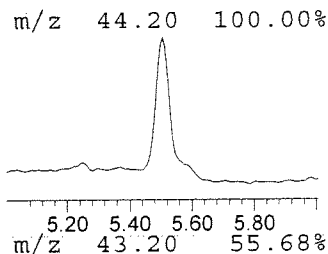
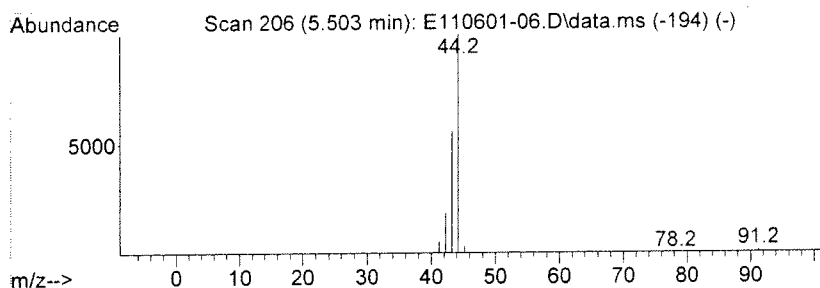
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Acetaldehyde Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.503	2.93 UG/M3 ²¹⁰	239300	IS01 Difluorobenzene	12.814

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetaldehyde	44	C2H4O	000075-07-0	74
2			Ethylene oxide	44	C2H4O	000075-21-8	5
3			Propane	44	C3H8	000074-98-6	4
4			Cyclopropyl carbinol	72	C4H8O	002516-33-8	4
5			1-Propanol, 2-amino-, (S)-	75	C3H9NO	002749-11-3	4



Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
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 Sample : E110601-06
 Misc : can6681,500cc,ip=12.8,fp=30
 ALS Vial : 11 Sample Multiplier: 1

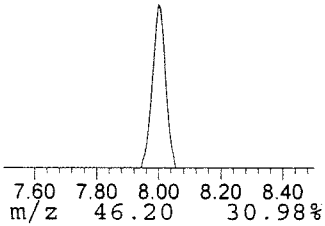
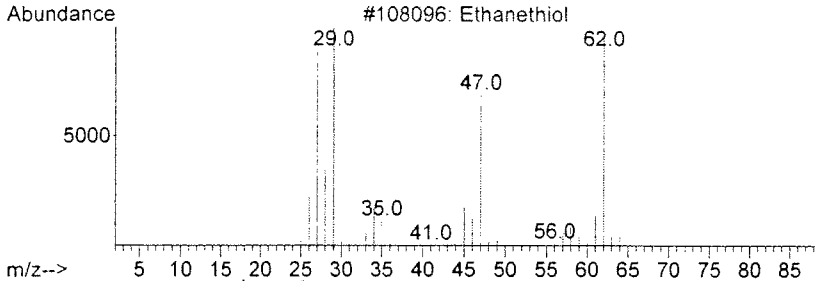
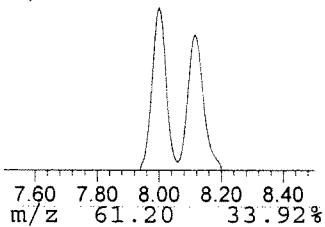
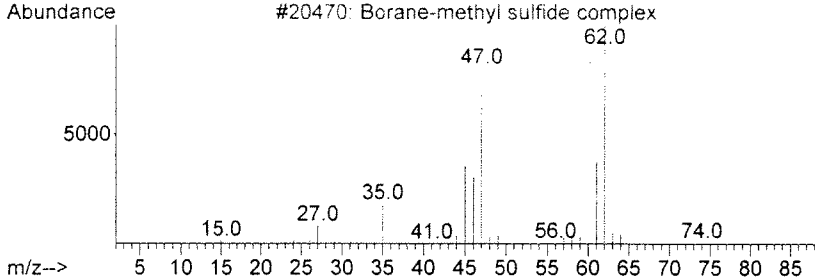
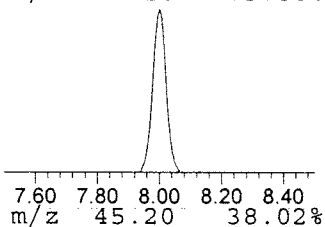
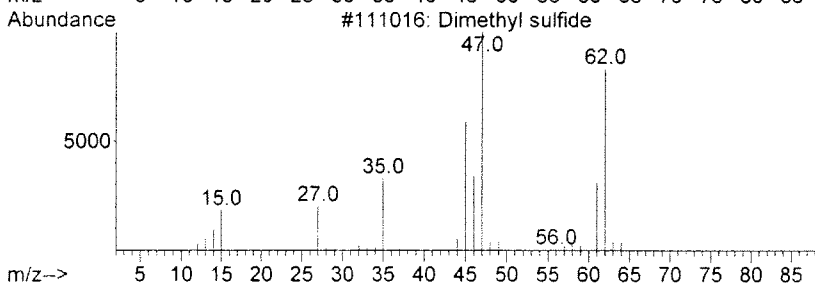
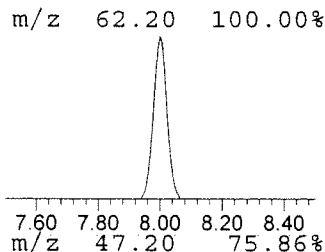
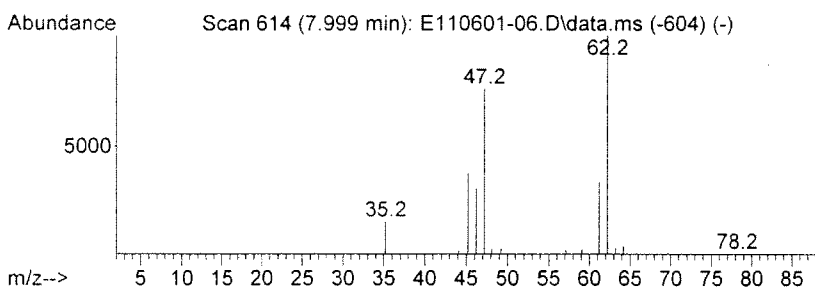
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 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Dimethyl sulfide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.999	4.55 $\mu\text{g}/\text{M}^3$	371671	IS01 Difluorobenzene	12.814

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	94
2		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	91
3		Ethanethiol	62	C2H6S	000075-08-1	86
4		Methionine, 2-methyl-	163	C6H13NO2S	000562-48-1	83
5		Ethene, chloro-	62	C2H3Cl	000075-01-4	53



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
 Operator : FW
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 Misc : can6681,500cc,ip=12.8,fp=30
 ALS Vial : 11 Sample Multiplier: 1

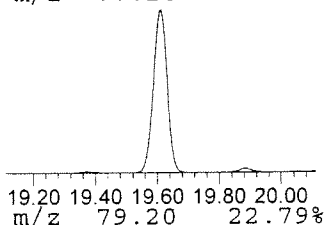
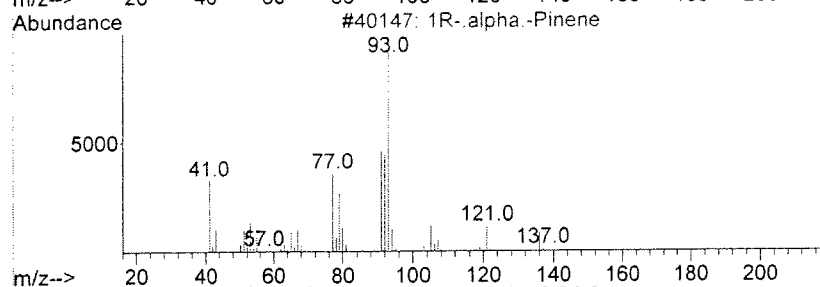
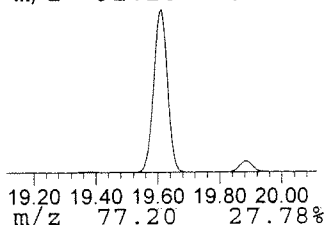
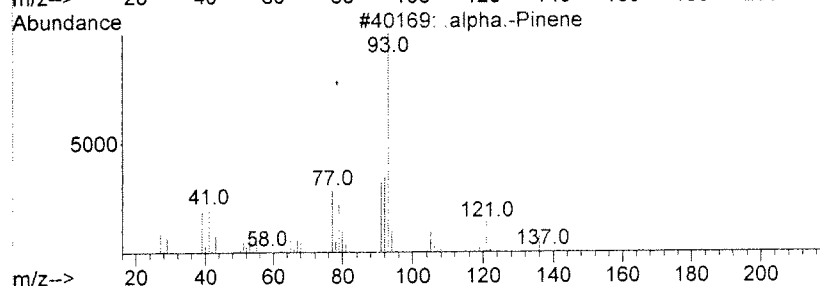
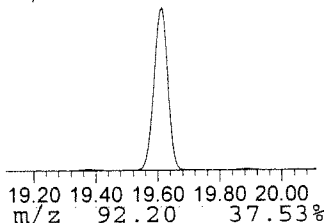
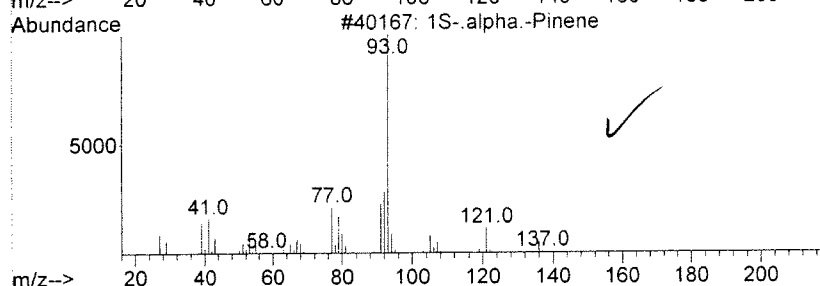
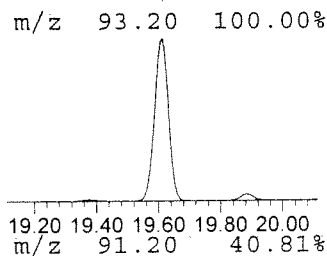
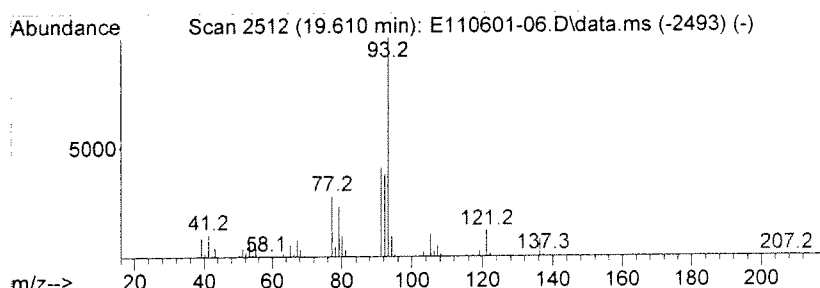
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 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 1S-.alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.610	121.54 UG/M3	10605600	IS02 Chlorobenzene-D5	17.799

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1S-.alpha.-Pinene	136	C10H16	007785-26-4	96
2		.alpha.-Pinene	136	C10H16	000080-56-8	95
3		1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
4		Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
5		Tricyclo[2.2.1.0 ^{2,6}]heptane, 1,7-...	136	C10H16	000508-32-7	91



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-06.D
 Acq On : 4 Feb 2011 10:52 am
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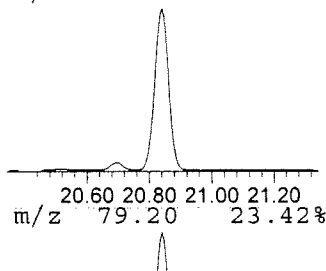
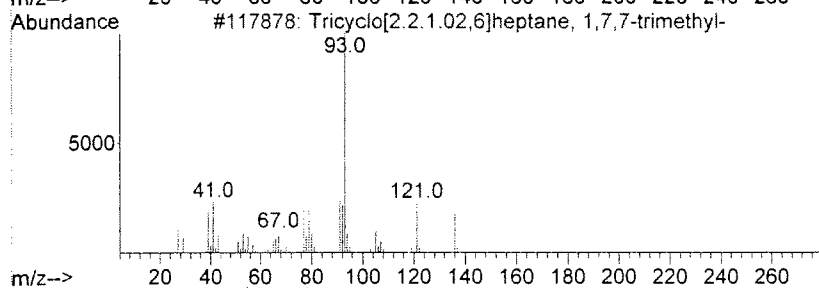
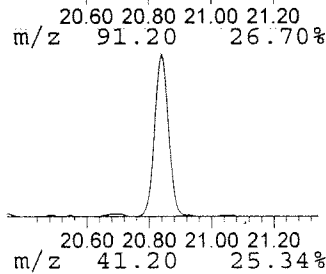
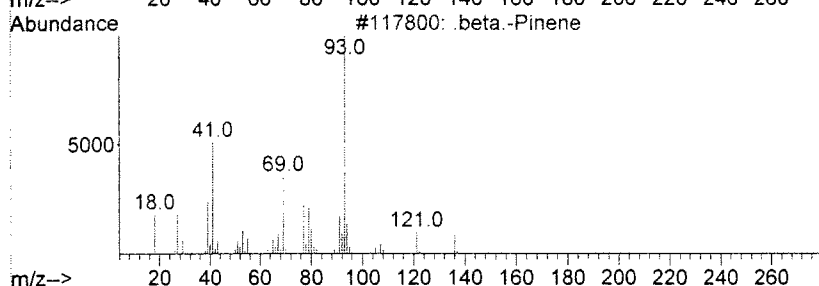
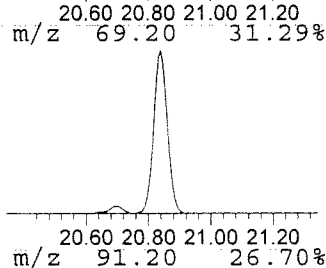
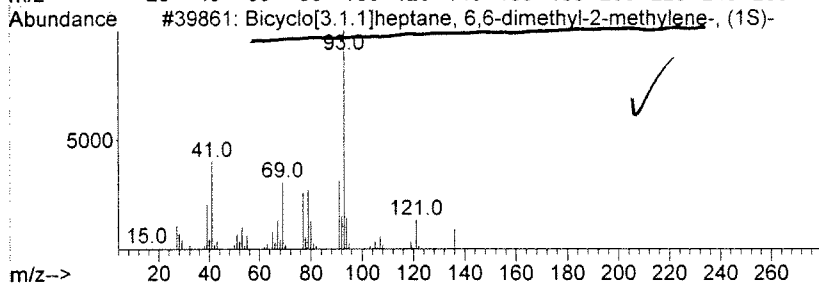
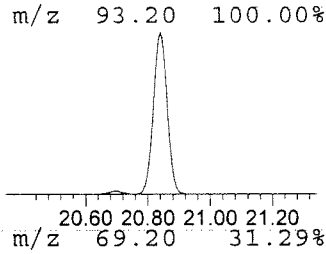
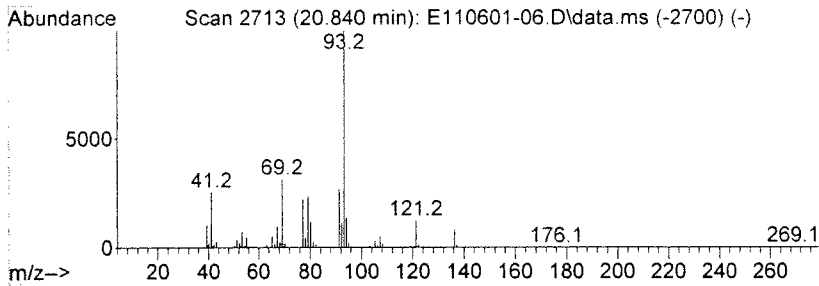
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 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.840	60.02 UG/M3	3421500	IS03 1,4-Dichlorobenzene-D4	22.033

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	97
2	.beta.-Pinene	136	C10H16	000127-91-3	94
3	Tricyclo[2.2.1.02,6]heptane, 1,7...	136	C10H16	000508-32-7	90
4	Tricyclo[2.2.1.02,6]heptane, 1,3...	136	C10H16	000488-97-1	87
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	87



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
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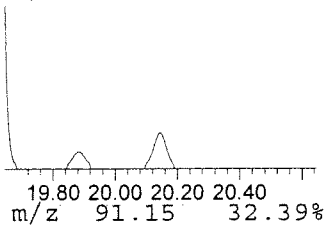
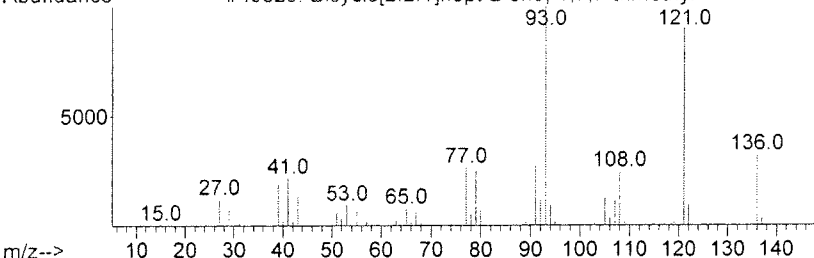
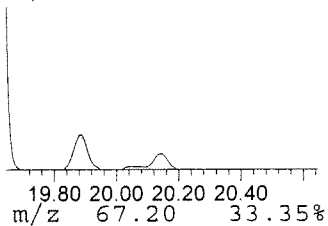
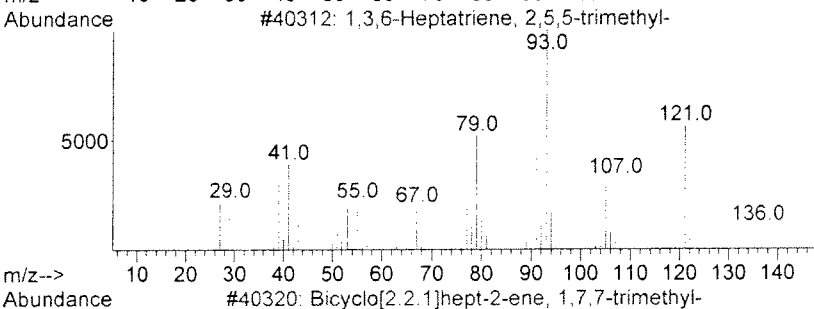
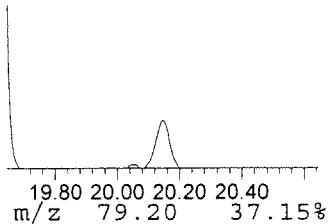
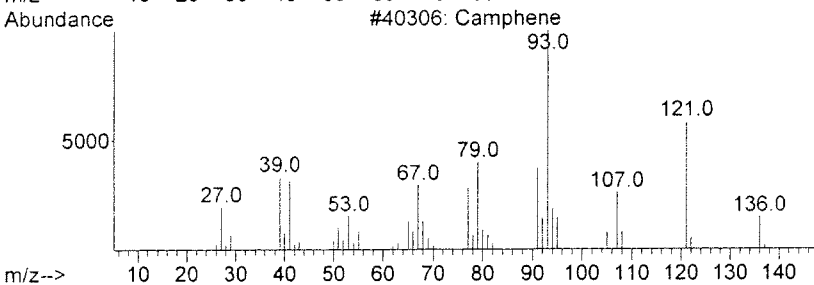
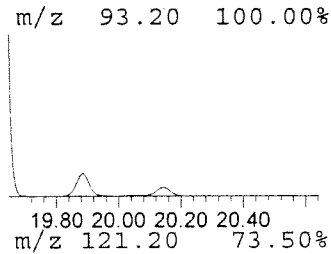
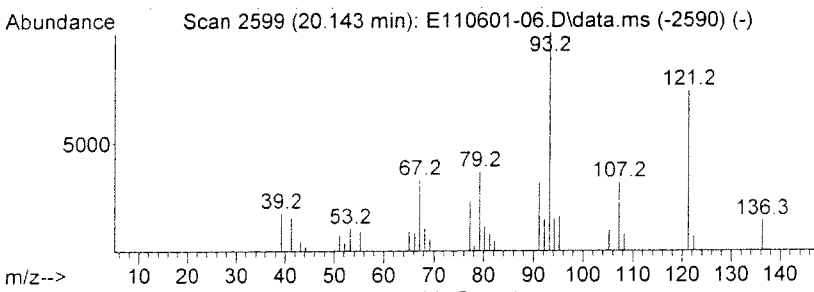
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 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Camphene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.143	4.14 UG/M3 ^{<10}	236054	IS03 1,4-Dichlorobenzene-D4	22.033

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Camphene	136	C10H16	000079-92-5	97
2		1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	91
3		Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	87
4		Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	80
5		Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	58



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
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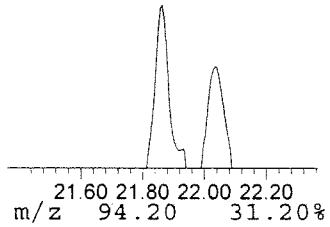
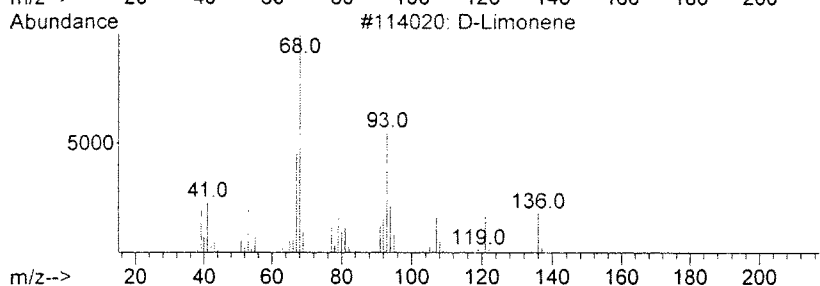
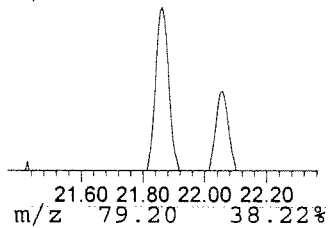
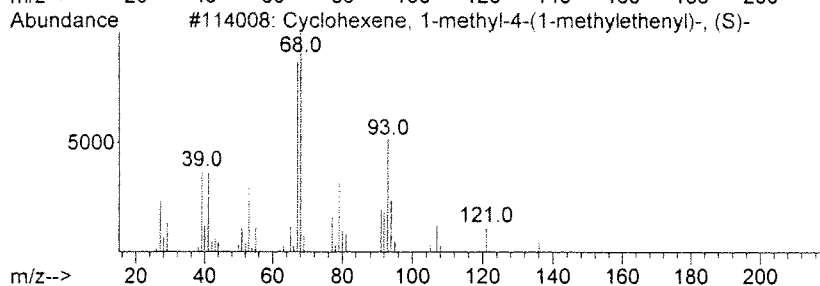
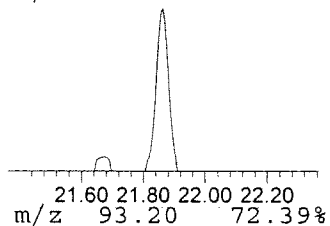
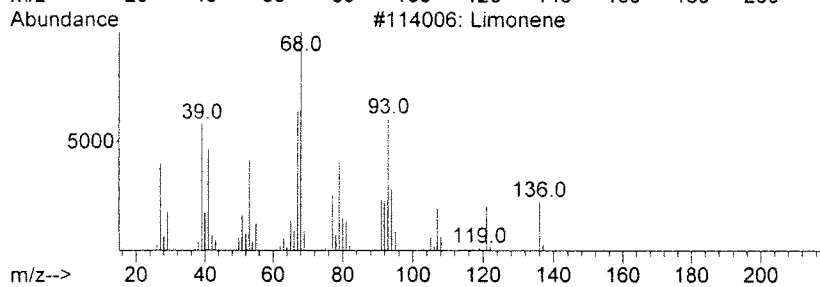
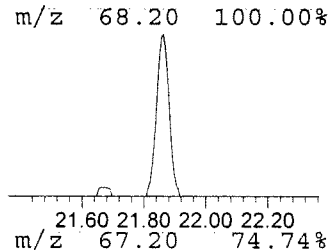
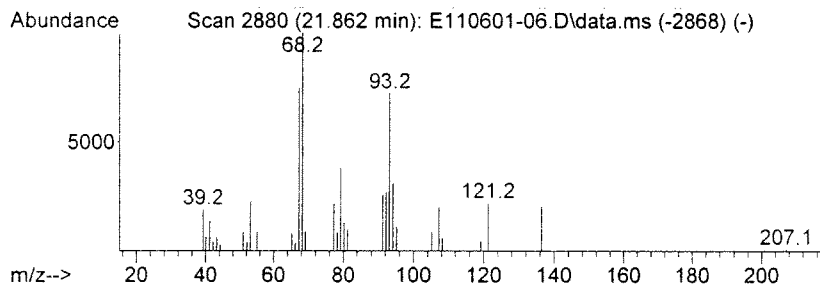
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 Limonene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.862	3.70 UG/M3 ²¹⁰	210685	IS03 1,4-Dichlorobenzene-D4	22.033

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Limonene	136	C10H16	000138-86-3	94
2		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	90
3		D-Limonene	136	C10H16	005989-27-5	89
4		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	007705-14-8	58
5		Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	58



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-06.D
Acq On : 4 Feb 2011 10:52 am
Operator : FW
Sample : E110601-06
Misc : can6681,500cc,ip=12.8,fp=30
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard---			
					#	RT	Resp	Conc
Butane	5.246	3.1	UG/M3	254980	1	12.814	1943460	23.8
Acetaldehyde	5.503	2.9	UG/M3	239300	1	12.814	1943460	23.8
Dimethyl sulfide	7.999	4.5	UG/M3	371671	1	12.814	1943460	23.8
S-.alpha.-Pinene	19.610	121.5	UG/M3	10605600	2	17.799	2085580	23.9
Camphene	20.143	4.1	UG/M3	236054	3	22.033	1710320	30.0
bicyclo[3.1.1]h...	20.840	60.0	UG/M3	3421500	3	22.033	1710320	30.0
limonene	21.862	3.7	UG/M3	210685	3	22.033	1710320	30.0

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 04 12:40:32 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	960824	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	758853	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	294081	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.426	41	48861	0.34 UG/M3#		99 <i>25% b1k</i>
3) 7005 Freon 12 (CL2F2Me...	4.518	85	181073	1.08 UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.842	85	7109	0.05 UG/M3#		75
5) 7025 Chloromethane	4.959	50	52688	0.36 UG/M3		100
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	77323	0.56 UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.803	101	21243	0.24 UG/M3		99
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.864	43	146929	0.88 UG/M3		96 <i><10% b1k</i>
15) 7024 Isopropanol	8.115	45	33093	0.20 UG/M3		<i><5% b1k</i>
16) 7052 Carbon Disulfide	8.244	76	3437	0.01 UG/M3#		74
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	8.635	49	7857	0.09 UG/M3#		78
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	9.626	57	8645	0.05 UG/M3#		66
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	10.807	72	7371	0.16 UG/M3#		75
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	11.290	83	3677	0.03 UG/M3#		18
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	11.810	56	3012	0.02 UG/M3#		14
33) 7080 Carbon Tetrachloride	11.957	117	21710	0.22 UG/M3		98
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.275	78	66872	0.21 UG/M3		99
36) 7036 Isooctane (2,2,4-...	12.398	57	5960	0.02 UG/M3#		47
37) 7038 Heptane	12.655	43	5155	0.04 UG/M3#		18
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

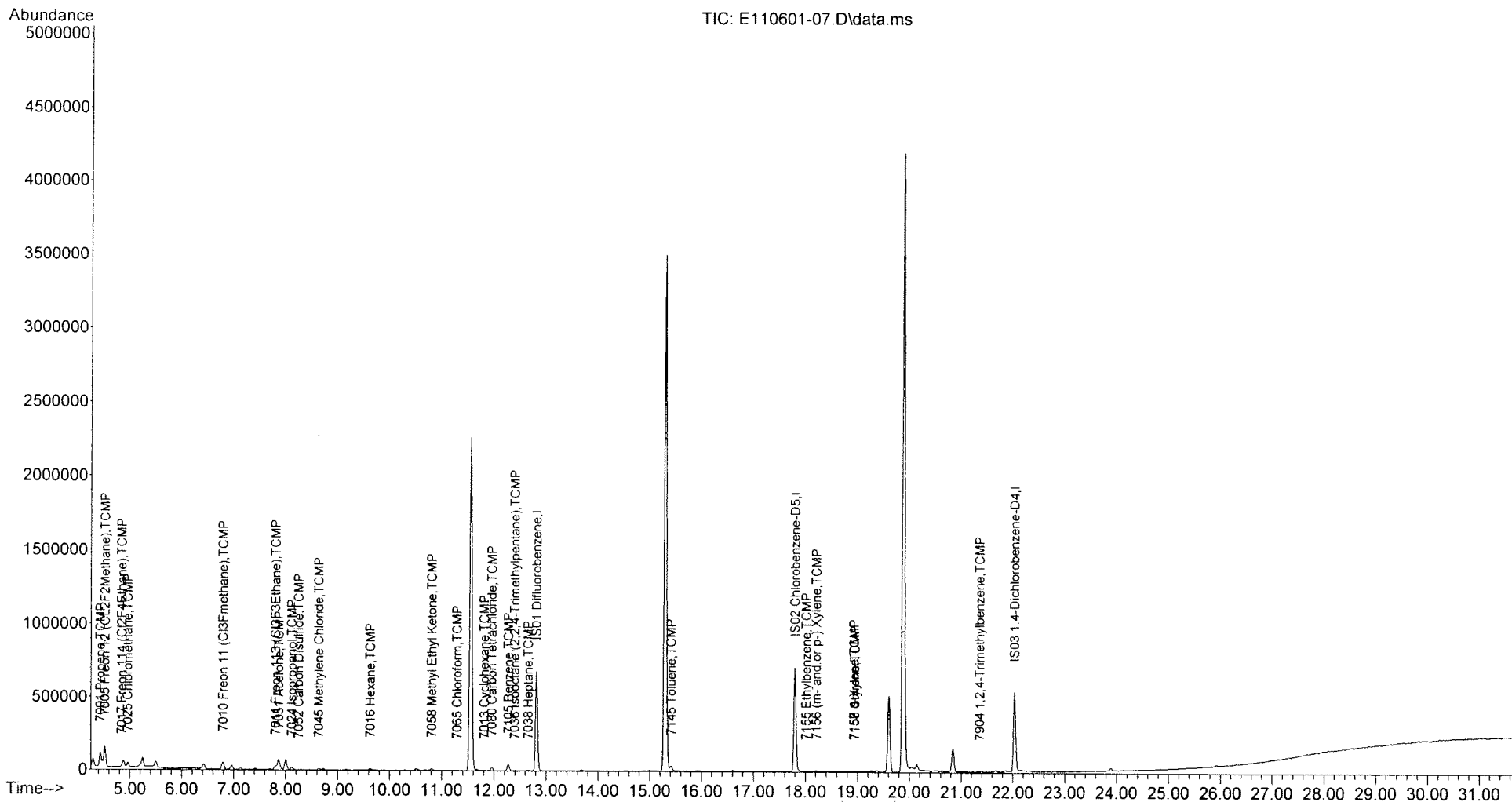
Quant Time: Feb 04 12:40:32 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

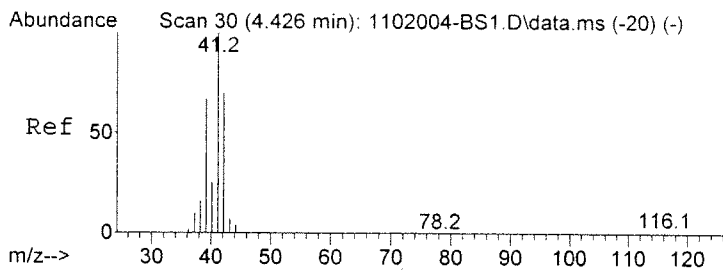
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	32949	0.11	UG/M3	99
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.014	91	5522	0.02	UG/M3#	48
55) 7156 (m- and.or p-) Xy...	18.210	91	9043	0.04	UG/M3#	75
56) 7157 o-Xylene	18.931	91	4373	0.02	UG/M3#	28
57) 7158 Styrene	18.950	104	3874	0.02	UG/M3#	25
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	21.354	105	4361	0.02	UG/M3#	29
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

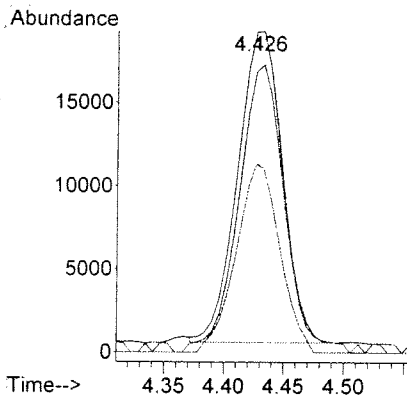
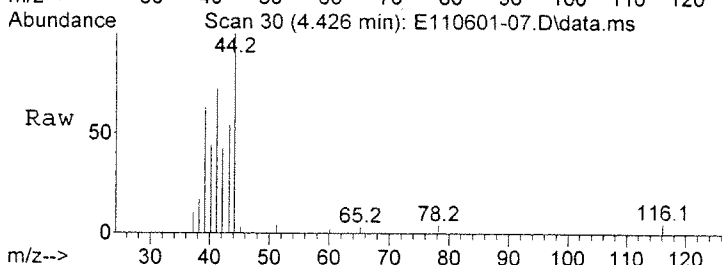
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 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration



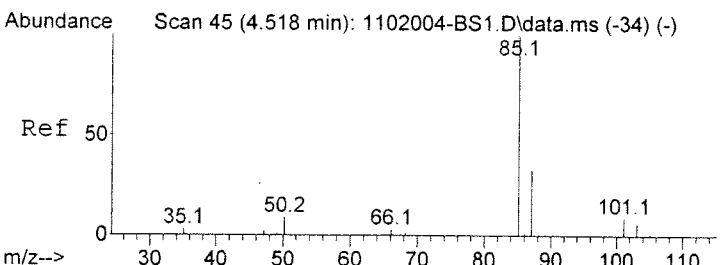
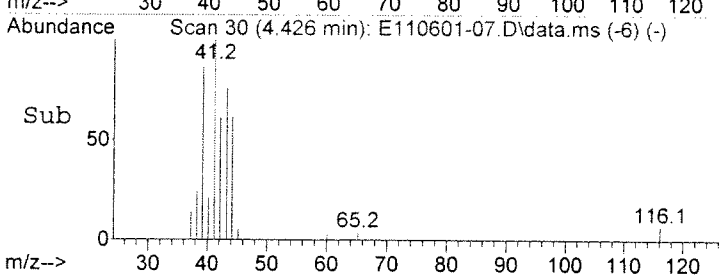


#2
 7001 Propene
 Concen: 0.34 UG/M3
 RT: 4.426 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
41	48861		
41	100		
39	94.4	46.6	86.6#
42	58.9	48.0	88.0

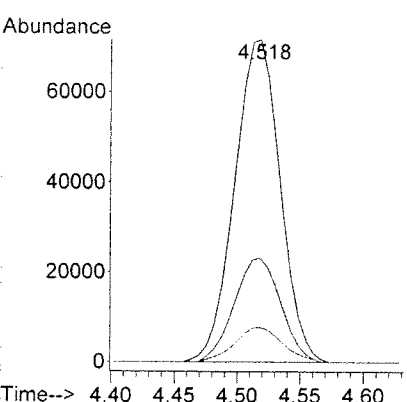
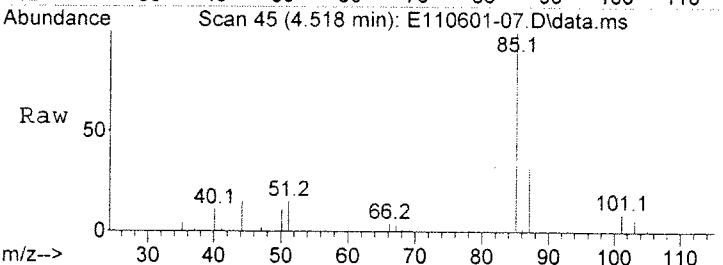


25x b1k

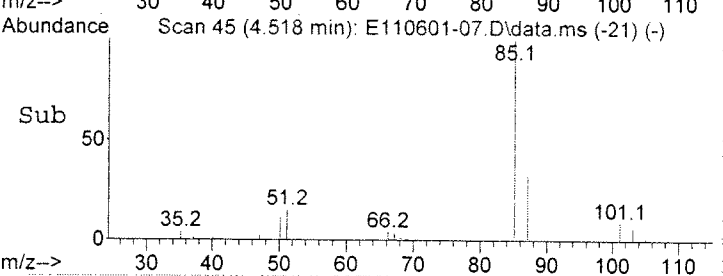


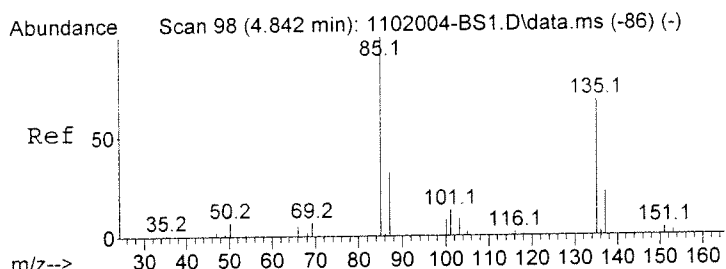
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.08 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
85	181073		
85	100		
87	32.9	12.7	52.7
50	11.3	0.0	29.4



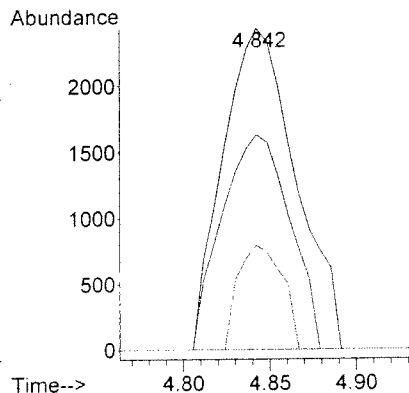
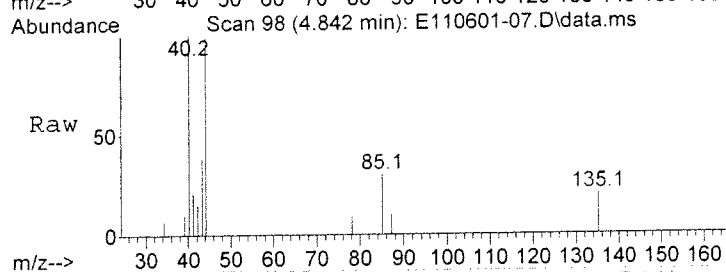
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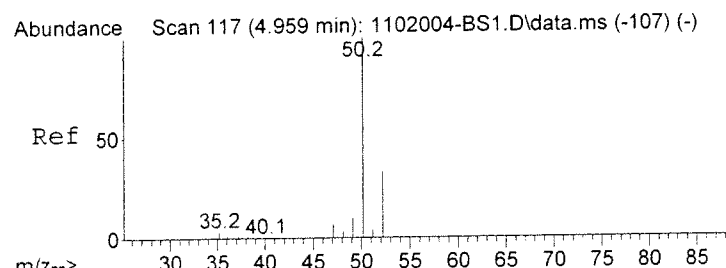
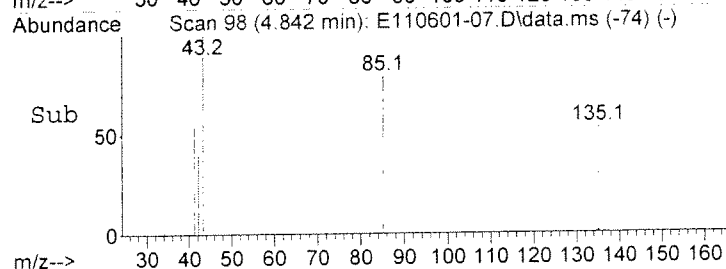


#4
 7017 Freon 114 (Cl2F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.842 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
85	7109		
85	100		
135	62.7	50.8	90.8
87	0.0	12.2	52.2#

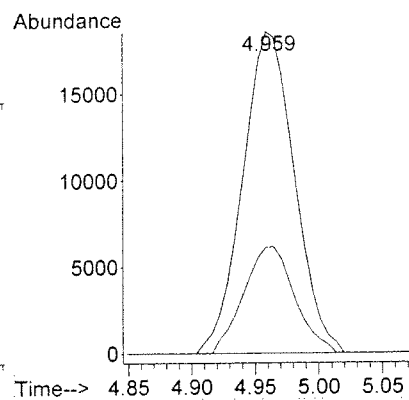
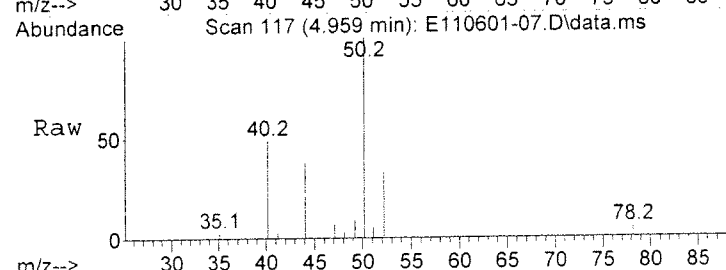


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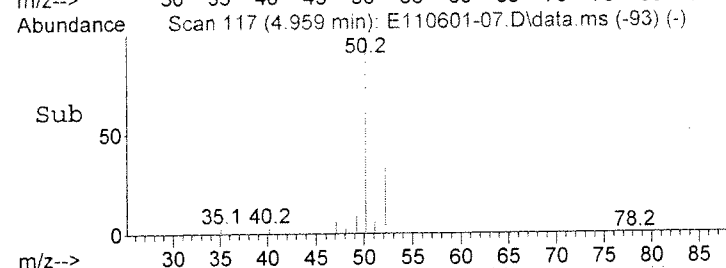


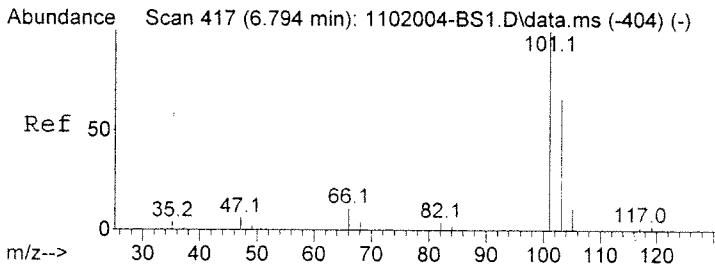
#5
 7025 Chloromethane
 Concen: 0.36 UG/M3
 RT: 4.959 min Scan# 117
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
50	52688		
50	100		
52	32.6	12.8	52.8



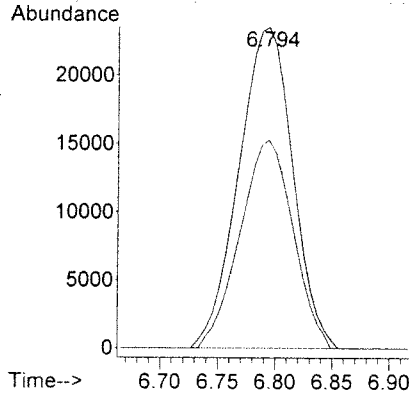
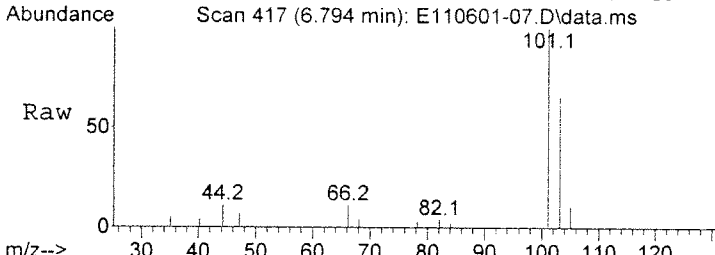
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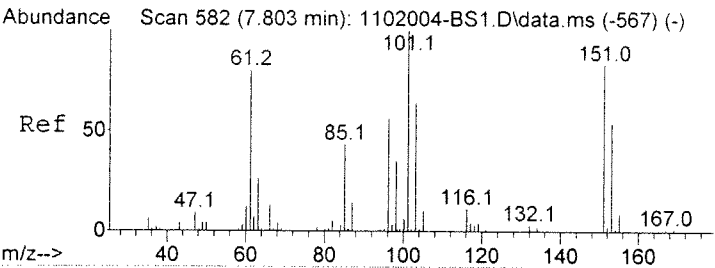
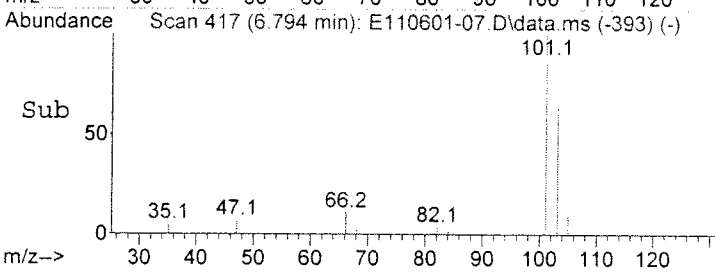


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.56 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
101	100		
103	63.9	44.7	84.7

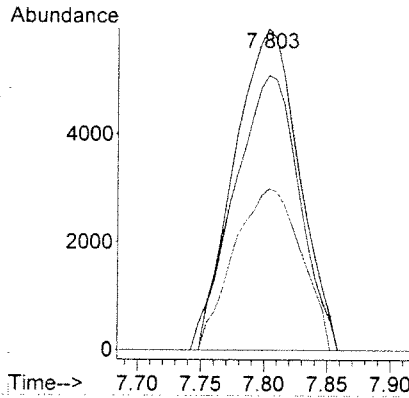
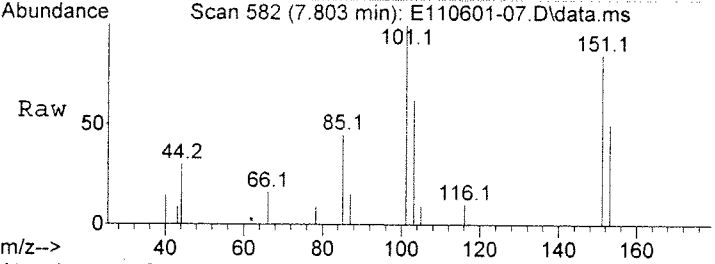


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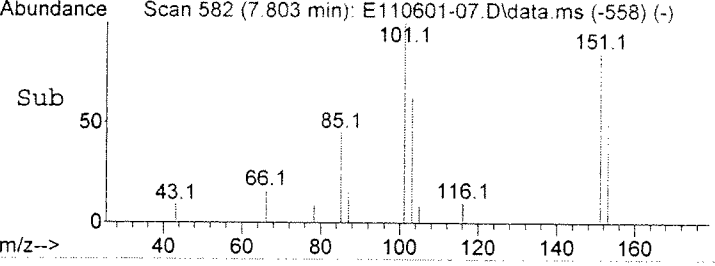


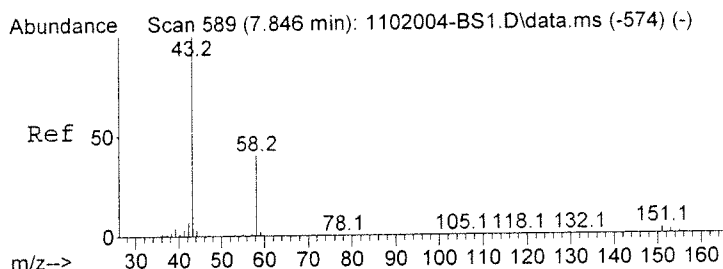
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.24 UG/M3
 RT: 7.803 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
101	100		
151	84.8	64.5	104.5
153	52.1	34.1	74.1



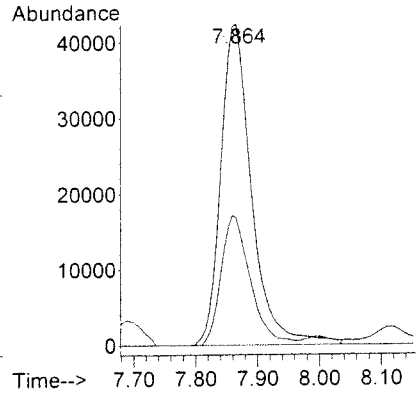
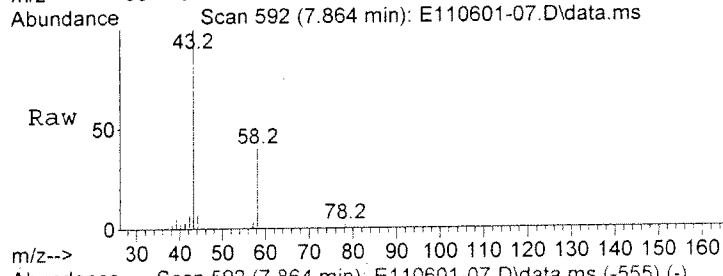
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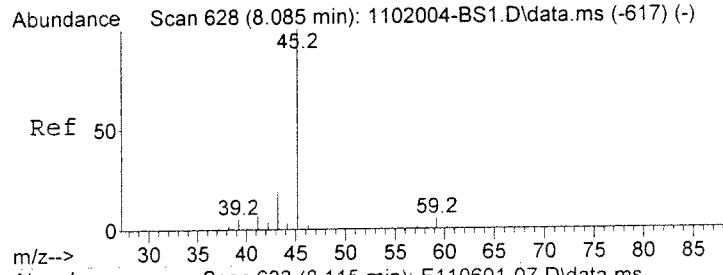
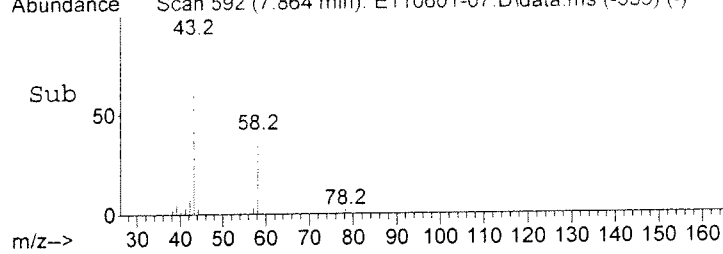


#14
 7051 Acetone
 Concen: 0.88 UG/M3
 RT: 7.864 min Scan# 592
 Delta R.T. 0.024 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
43	146929		
58	37.7	19.9	59.9

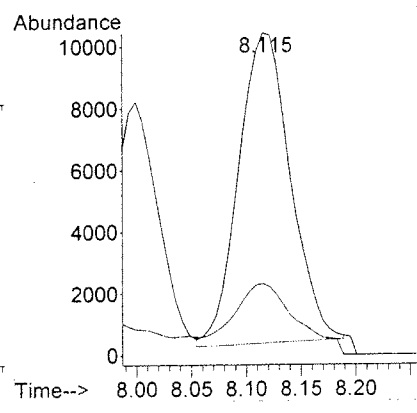
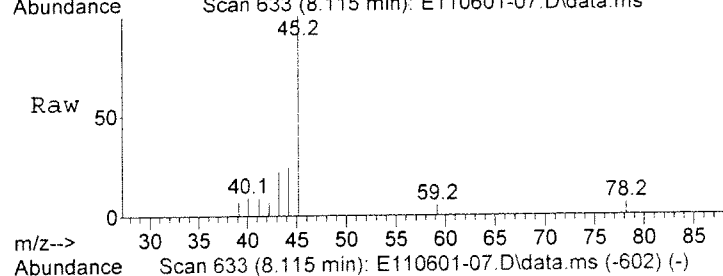


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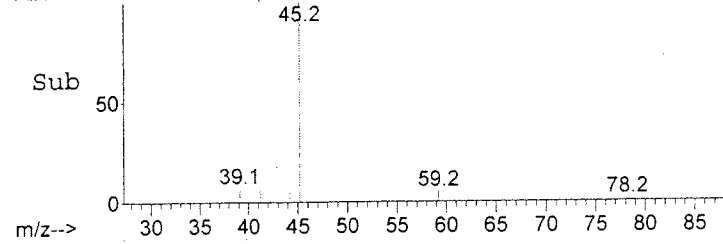


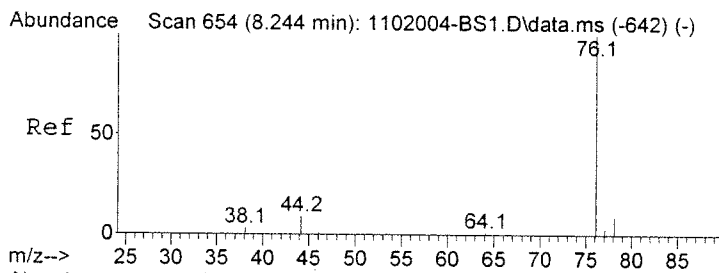
#15
 7024 Isopropanol
 Concen: 0.20 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
45	33093		
43	16.8	0.0	37.4



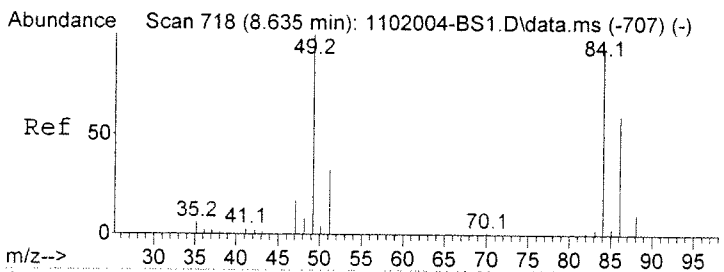
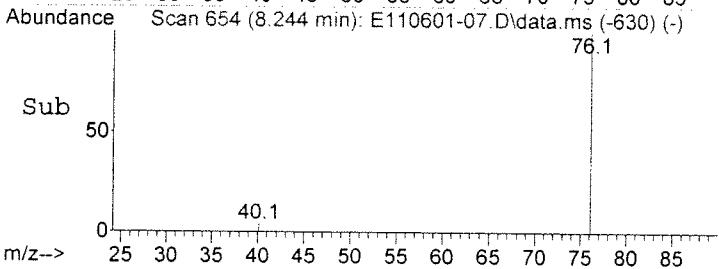
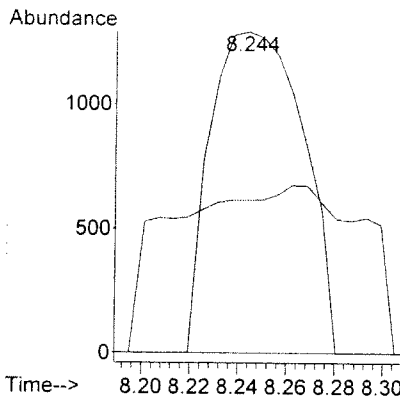
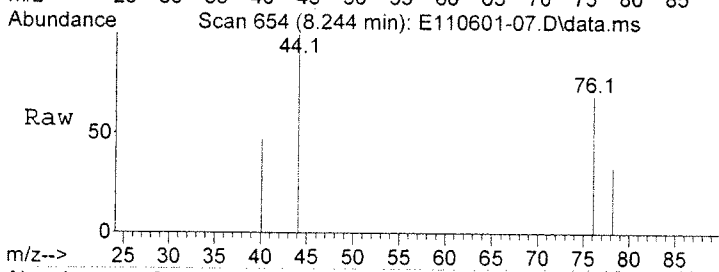
L5x b1k





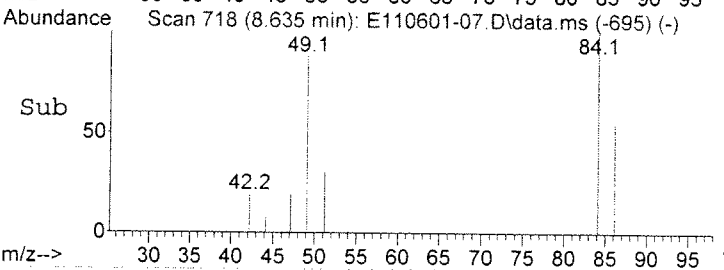
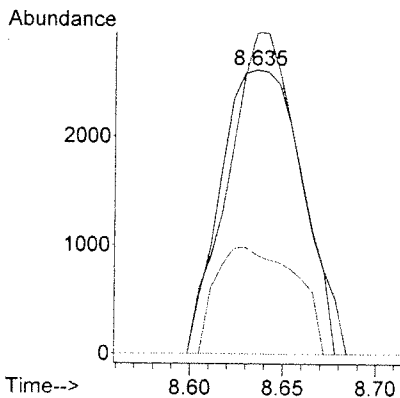
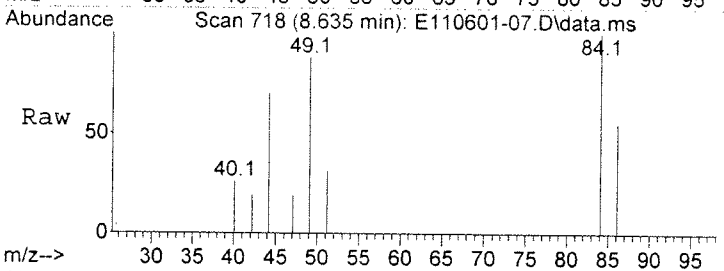
#16
 7052 Carbon Disulfide
 Concen: 0.01 UG/M3
 RT: 8.244 min Scan# 654
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion: 76 Resp: 3437
 Ion Ratio Lower Upper
 76 100
 78 0.0 0.0 29.3

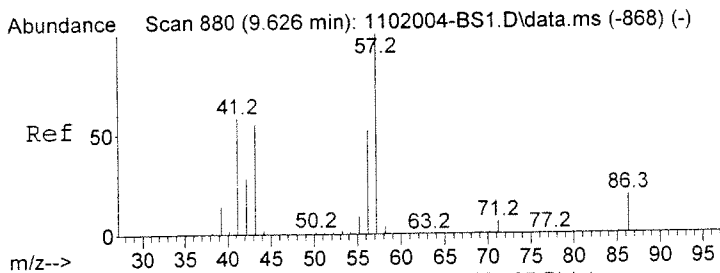


#18
 7045 Methylene Chloride
 Concen: 0.09 UG/M3
 RT: 8.635 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion: 49 Resp: 7857
 Ion Ratio Lower Upper
 49 100
 84 102.3 72.8 112.8
 51 0.0 11.5 51.5#

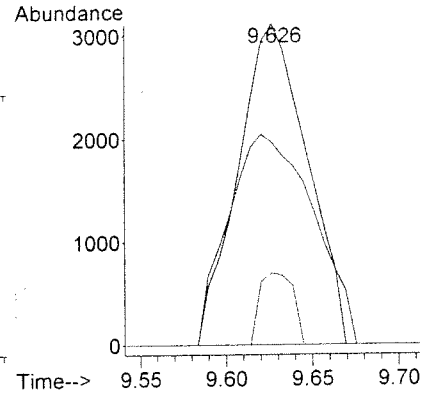
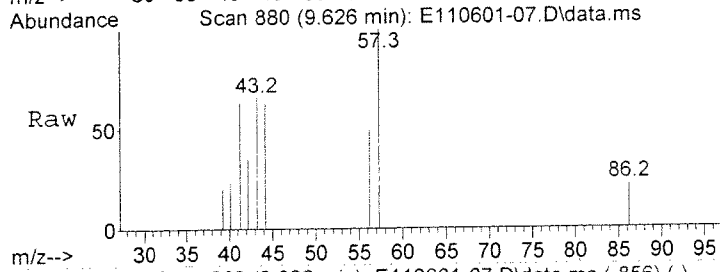


OK

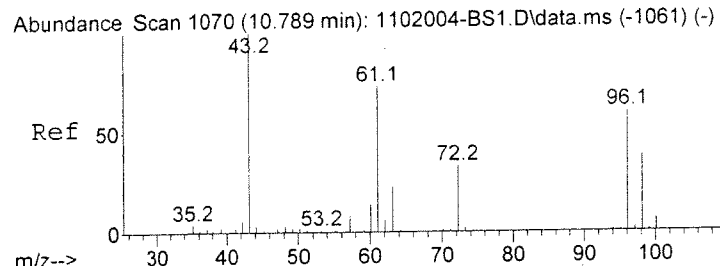
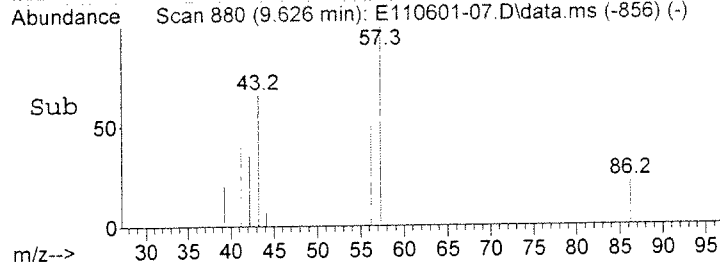


#22
 7016 Hexane
 Concen: 0.05 UG/M3
 RT: 9.626 min Scan# 880
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
57	100		
41	81.0	37.9	77.9#
86	0.0	0.0	39.0

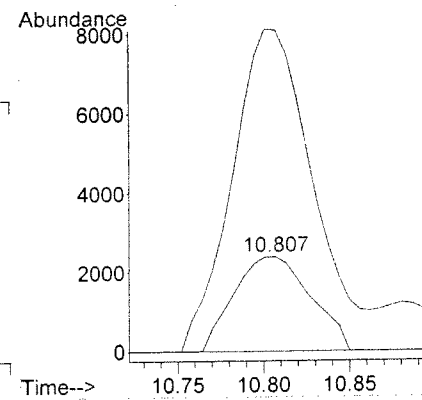
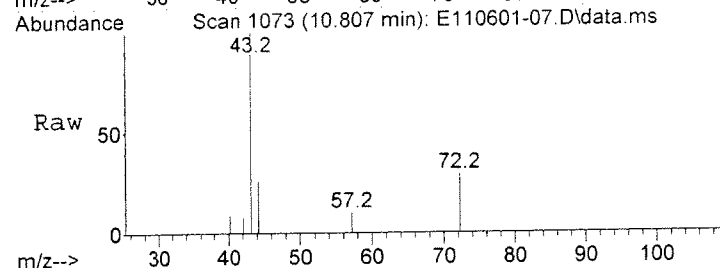


CMDL

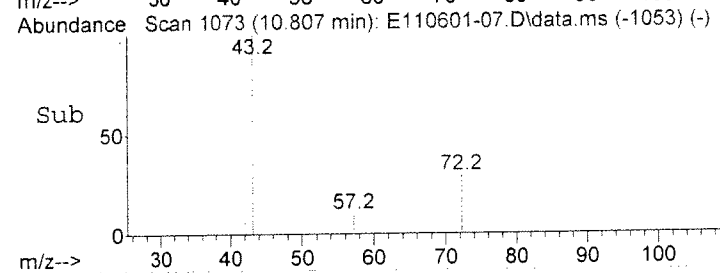


#25
 7058 Methyl Ethyl Ketone
 Concen: 0.16 UG/M3
 RT: 10.807 min Scan# 1073
 Delta R.T. 0.024 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

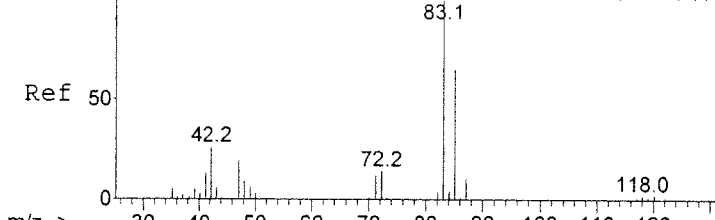
Tgt Ion	Resp	Lower	Upper
72	100		
43	358.0	287.4	327.4#



OK



Abundance Scan 1153 (11.297 min): 1102004-BS1.D\data.ms (-1141) (-)

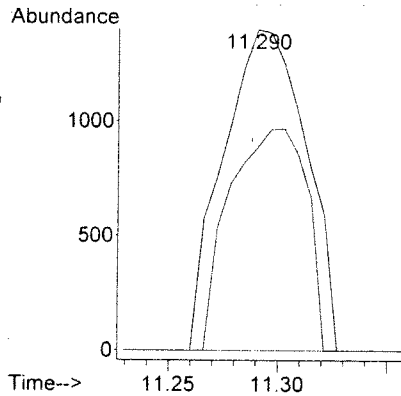
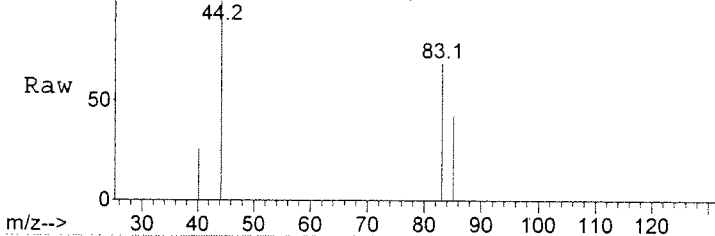


#28
7065 Chloroform
Concen: 0.03 UG/M3
RT: 11.290 min Scan# 1152
Delta R.T. -0.006 min
Lab File: E110601-07.D
Acq: 4 Feb 2011 11:42 am

Tgt Ion: 83 Resp: 3677

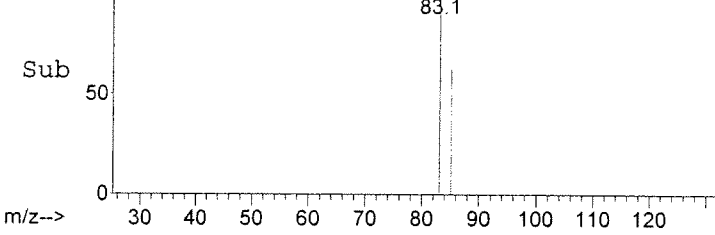
Ion	Ratio	Lower	Upper
83	100		
85	0.0	45.1	85.1#

Abundance Scan 1152 (11.290 min): E110601-07.D\data.ms

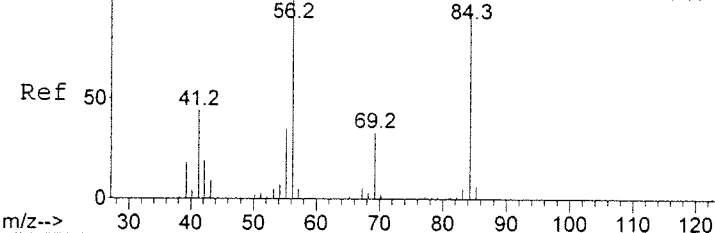


LMPL

Abundance Scan 1152 (11.290 min): E110601-07.D\data.ms (-1129) (-)



Abundance Scan 1236 (11.804 min): 1102004-BS1.D\data.ms (-1223) (-)

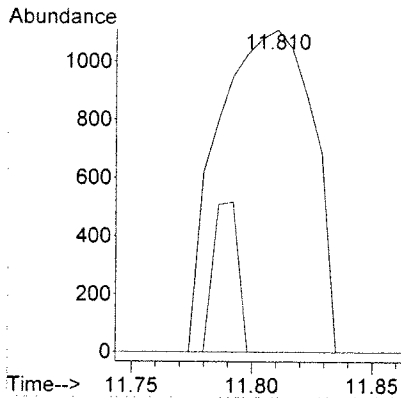
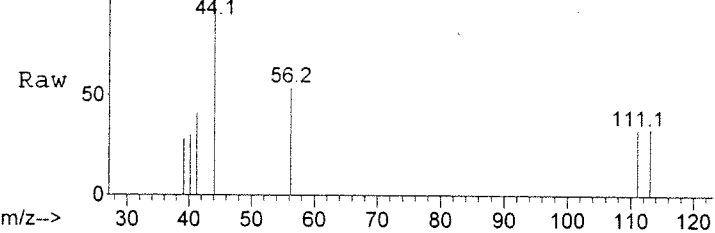


#32
7013 Cyclohexane
Concen: 0.02 UG/M3
RT: 11.810 min Scan# 1237
Delta R.T. 0.006 min
Lab File: E110601-07.D
Acq: 4 Feb 2011 11:42 am

Tgt Ion: 56 Resp: 3012

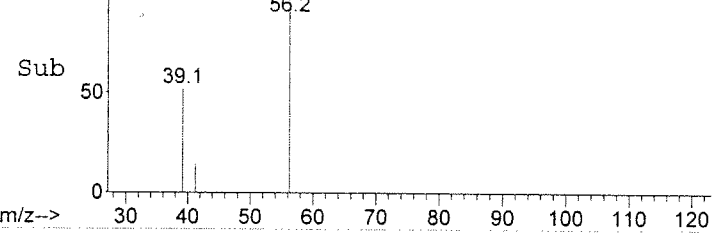
Ion	Ratio	Lower	Upper
56	100		
84	0.0	71.4	111.4#
69	0.0	13.2	53.2#

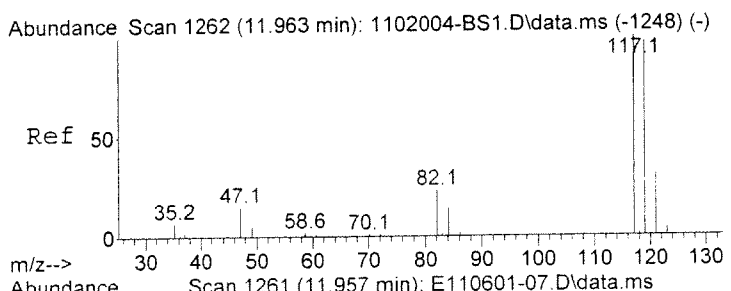
Abundance Scan 1237 (11.810 min): E110601-07.D\data.ms



LMPL

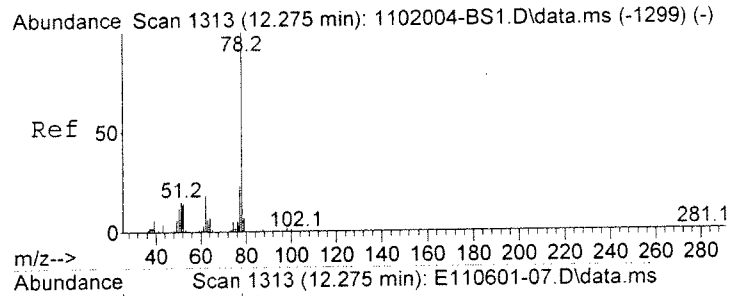
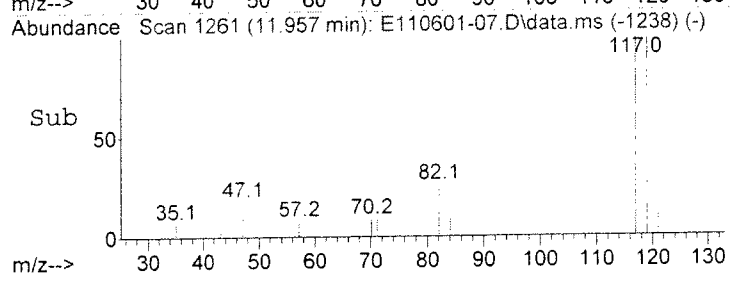
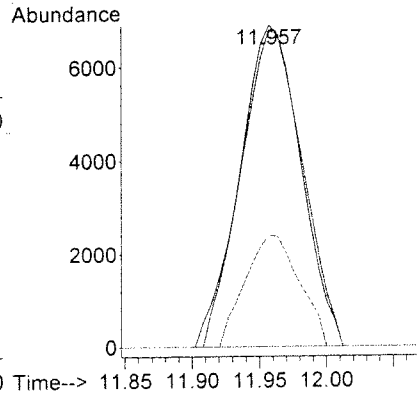
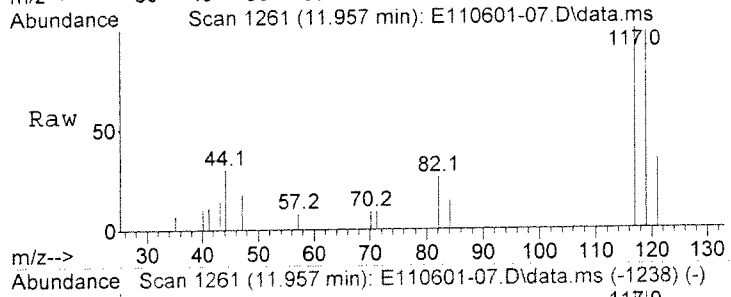
Abundance Scan 1237 (11.810 min): E110601-07.D\data.ms (-1212) (-)





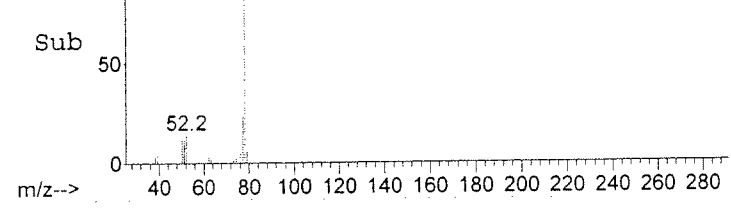
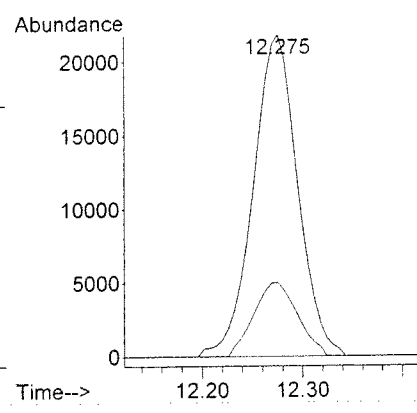
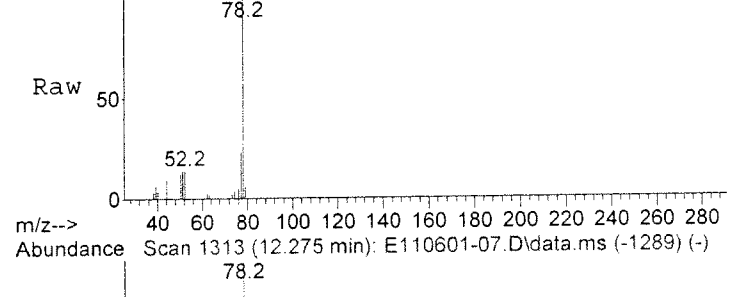
#33
 7080 Carbon Tetrachloride
 Concen: 0.22 UG/M3
 RT: 11.957 min Scan# 1261
 Delta R.T. -0.006 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
117	100		
119	98.7	76.4	116.4
121	30.9	11.2	51.2

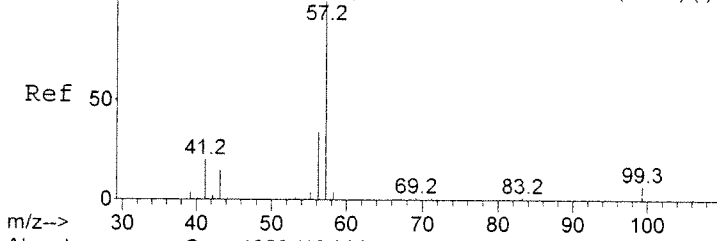


#35
 7105 Benzene
 Concen: 0.21 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
78	100		
77	22.5	2.8	42.8



Abundance Scan 1332 (12.392 min): 1102004-BS1.D\data.ms (-1318) (-)

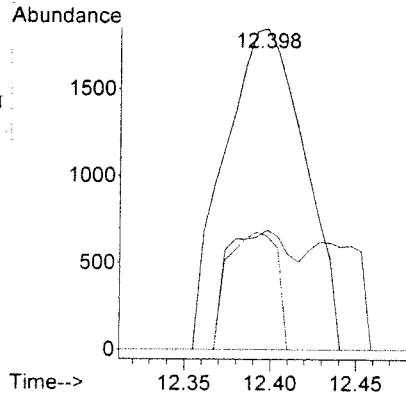
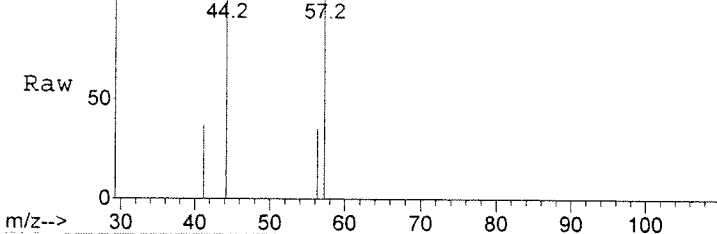


#36
7036 Isooctane (2,2,4-Trimethylpentane)
Concen: 0.02 UG/M3
RT: 12.398 min Scan# 1333
Delta R.T. 0.006 min
Lab File: E110601-07.D
Acq: 4 Feb 2011 11:42 am

Tgt Ion: 57 Resp: 5960

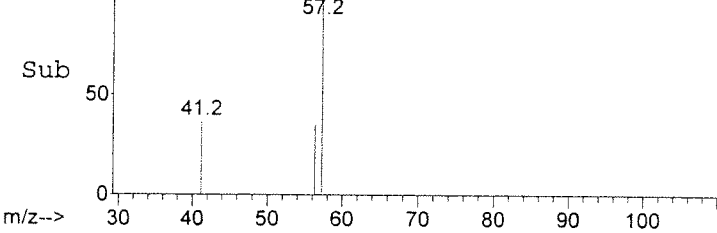
Ion	Ratio	Lower	Upper
57	100		
41	0.0	0.3	40.3#
56	0.0	13.3	53.3#

Abundance Scan 1333 (12.398 min): E110601-07.D\data.ms

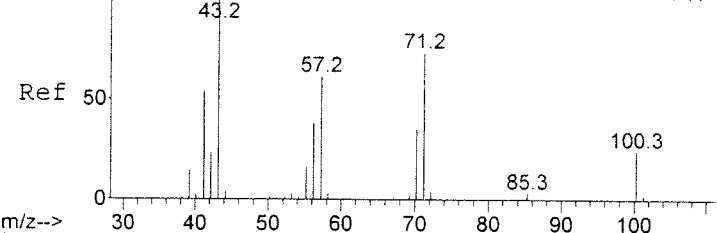


✓MDL

Abundance Scan 1333 (12.398 min): E110601-07.D\data.ms (-1308) (-)



Abundance Scan 1374 (12.649 min): 1102004-BS1.D\data.ms (-1362) (-)

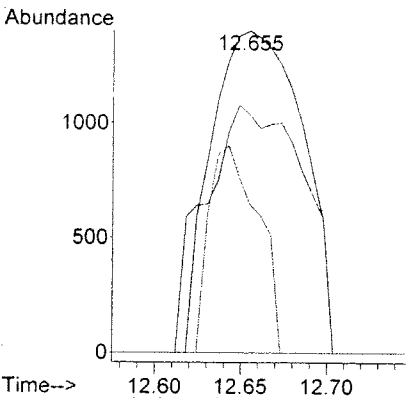
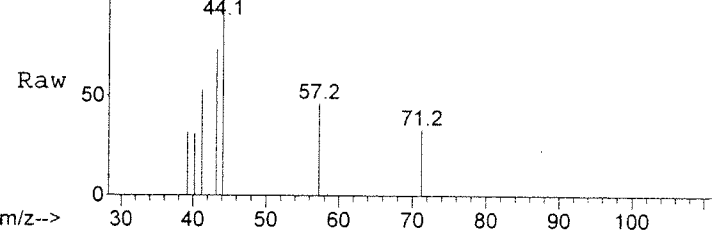


#37
7038 Heptane
Concen: 0.04 UG/M3
RT: 12.655 min Scan# 1375
Delta R.T. 0.006 min
Lab File: E110601-07.D
Acq: 4 Feb 2011 11:42 am

Tgt Ion: 43 Resp: 5155

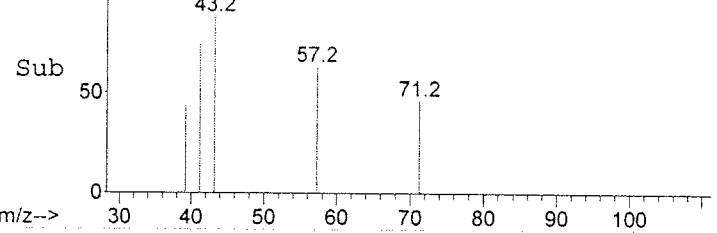
Ion	Ratio	Lower	Upper
43	100		
41	0.0	32.7	72.7#
71	0.0	54.2	94.2#

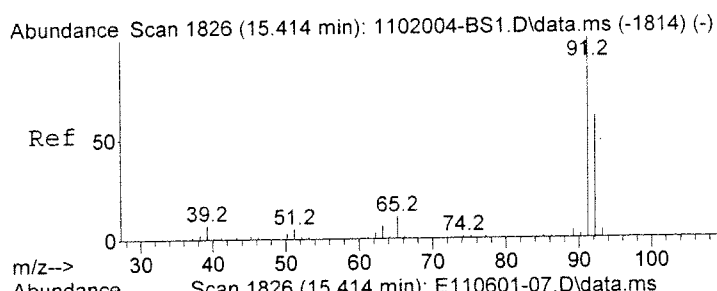
Abundance Scan 1375 (12.655 min): E110601-07.D\data.ms



✓MDL

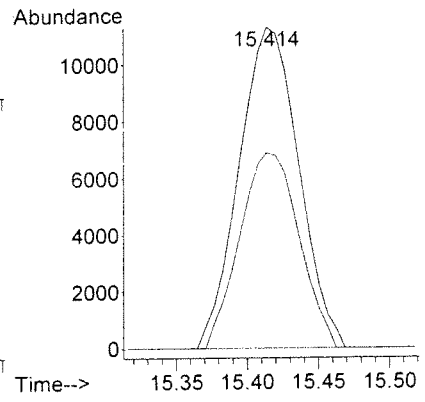
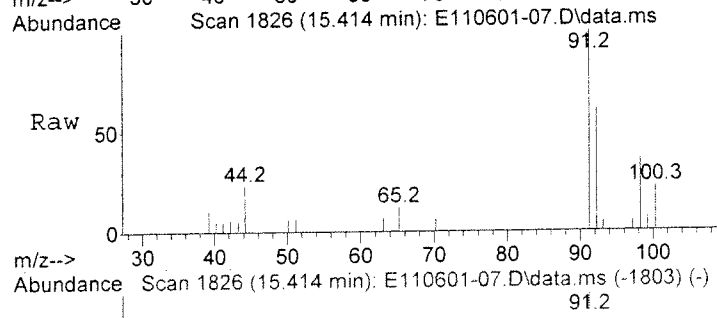
Abundance Scan 1375 (12.655 min): E110601-07.D\data.ms (-1350) (-)



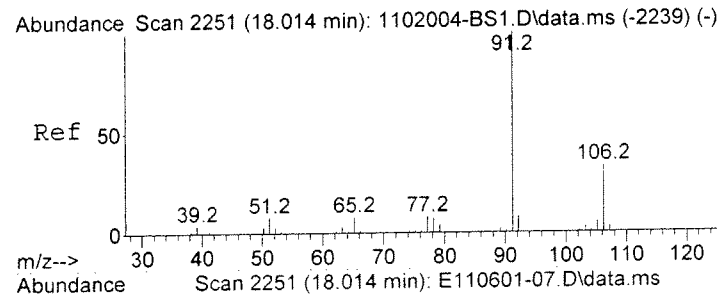
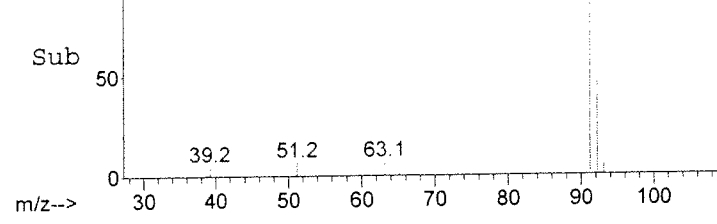


#46
 7145 Toluene
 Concen: 0.11 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
91	32949		
92	60.4	41.1	81.1

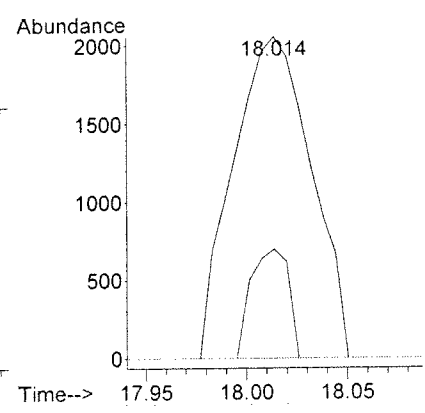
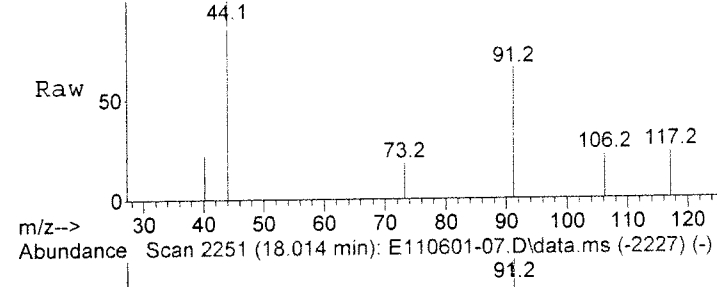


OK

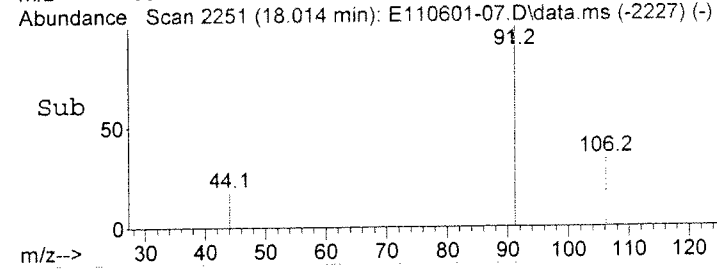


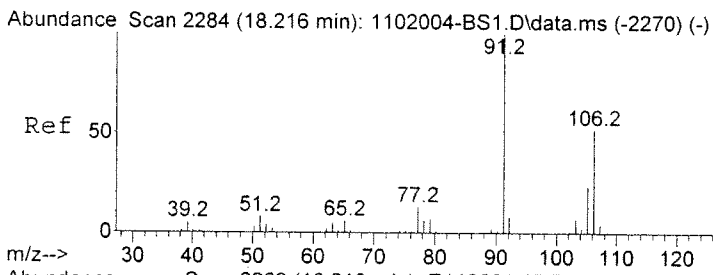
#54
 7155 Ethylbenzene
 Concen: 0.02 UG/M3
 RT: 18.014 min Scan# 2251
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion	Resp	Lower	Upper
91	5522		
106	0.0	13.2	53.2#
51	0.0	0.0	28.1



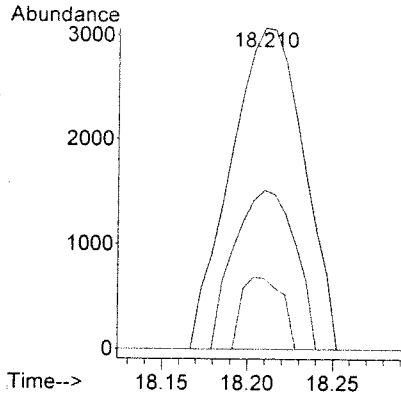
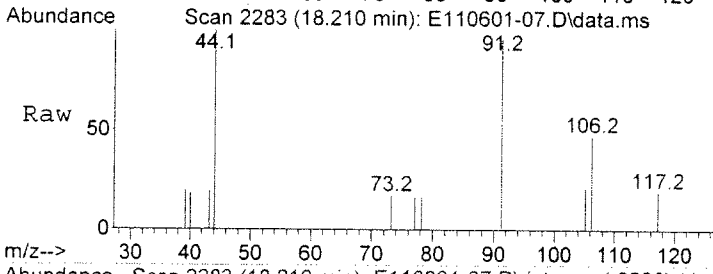
CMDL



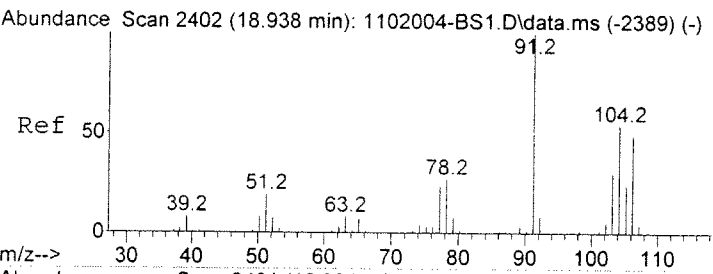
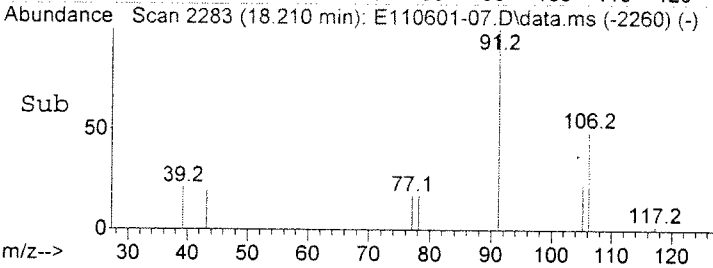


#55
 7156 (m- and/or p-) Xylene
 Concen: 0.04 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion:	91	Resp:	9043
Ion Ratio	Lower	Upper	
91	100		
106	41.3	32.5	72.5
105	0.0	2.9	42.9#

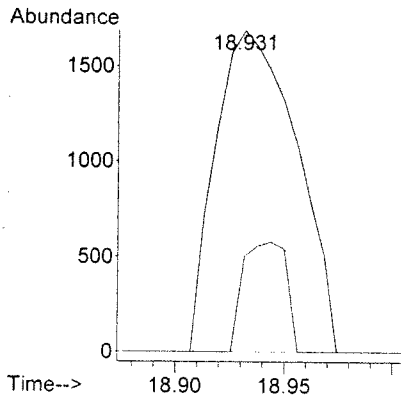
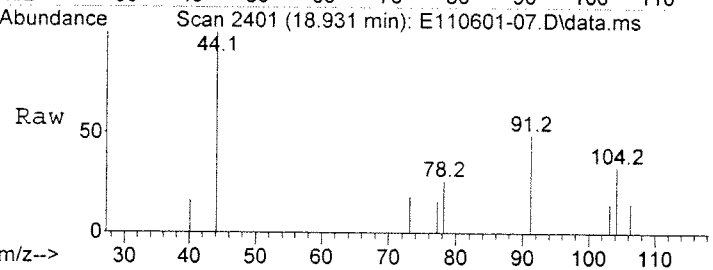


LMDL

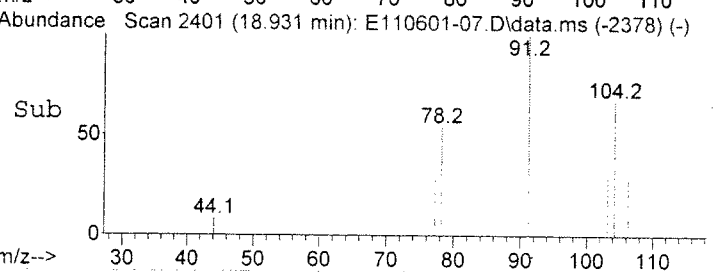


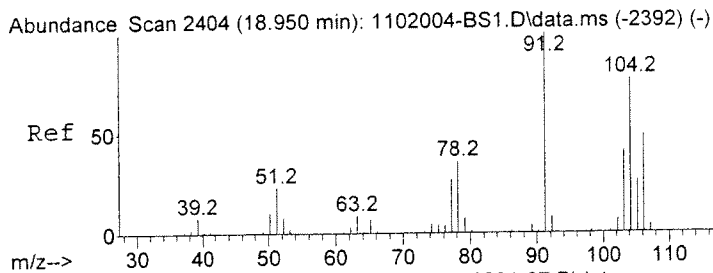
#56
 7157 o-Xylene
 Concen: 0.02 UG/M3
 RT: 18.931 min Scan# 2401
 Delta R.T. -0.006 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion:	91	Resp:	4373
Ion Ratio	Lower	Upper	
91	100		
106	0.0	29.1	69.1#



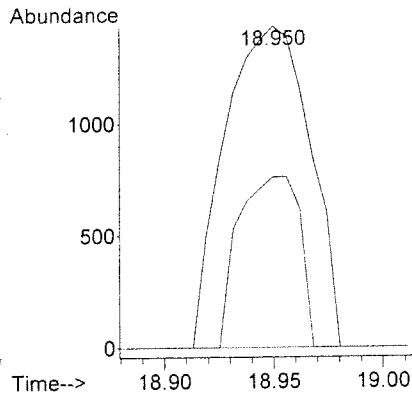
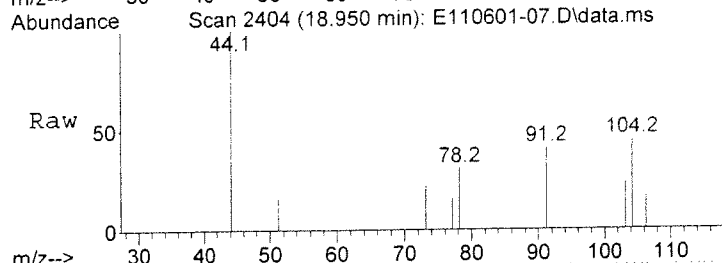
LMDL



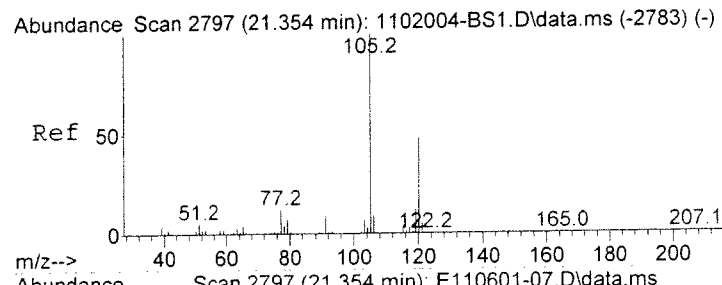
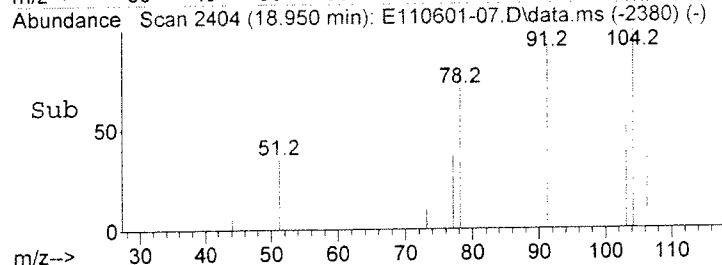


#57
 7158 Styrene
 Concen: 0.02 UG/M3
 RT: 18.950 min Scan# 2404
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion:104 Resp: 3874
 Ion Ratio Lower Upper
 104 100
 103 0.0 33.3 73.3#

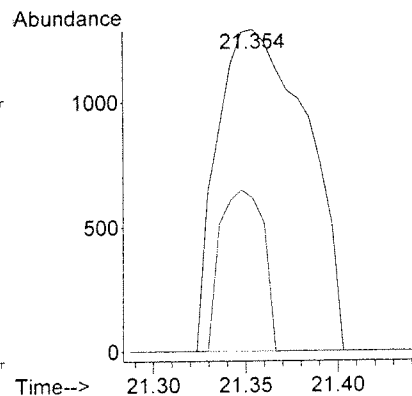
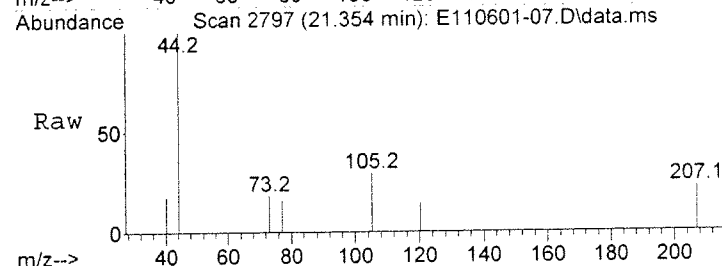


LMDL

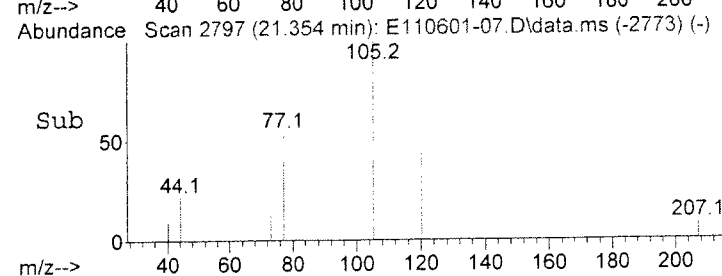


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.02 UG/M3
 RT: 21.354 min Scan# 2797
 Delta R.T. -0.000 min
 Lab File: E110601-07.D
 Acq: 4 Feb 2011 11:42 am

Tgt Ion:105 Resp: 4361
 Ion Ratio Lower Upper
 105 100
 120 0.0 28.1 68.1#



LMDL



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.02
 Stop Thrs : 0

Filtering: 5
 Min Area: 3000 Area counts
 Max Peaks: 3
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-07.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	21	rVB	54719	132332	1.08%	0.330%
2	4.432	21	31	37	rVV	97155	276645	2.26%	0.691%
3	4.518	37	45	58	rVB3	140182	416410	3.40%	1.039%
4	4.873	91	103	111	rBV2	42469	124042	1.01%	0.310%
5	5.246	146	164	177	rBV	65057	217978	1.78%	0.544%
6	5.503	195	206	218	rVB2	42878	150047	1.22%	0.375%
7	6.421	342	356	369	rVB2	33164	121682	0.99%	0.304%
8	6.794	402	417	430	rVB	49877	169066	1.38%	0.422%
9	7.858	584	591	605	rVB	66983	222123	1.81%	0.554%
10	7.999	605	614	624	rVB	67390	203734	1.66%	0.509%
11	11.553	1181	1195	1227	rBV	2262273	6919329	56.41%	17.273%
12	12.275	1298	1313	1324	rBV	43327	133082	1.09%	0.332%
13	12.814	1386	1401	1420	rBV	685874	1990952	16.23%	4.970%
14	15.304	1793	1808	1821	rBV2	3506603	10570651	86.18%	26.387%
15	15.414	1821	1826	1842	rVB	32437	102547	0.84%	0.256%
16	17.800	2200	2216	2240	rBV	716065	2101096	17.13%	5.245%
17	19.604	2498	2511	2525	rBV	519154	1588676	12.95%	3.966%
18	19.886	2544	2557	2577	rBV	4204466	12265230	100.00%	30.617%
19	20.143	2591	2599	2615	rVB4	38981	133982	1.09%	0.334%
20	20.840	2701	2713	2728	rVB	161450	502613	4.10%	1.255%
21	22.033	2897	2908	2922	rBV	547063	1616065	13.18%	4.034%
22	27.539	3780	3808	3812	rBV	16622	101455	0.83%	0.253%

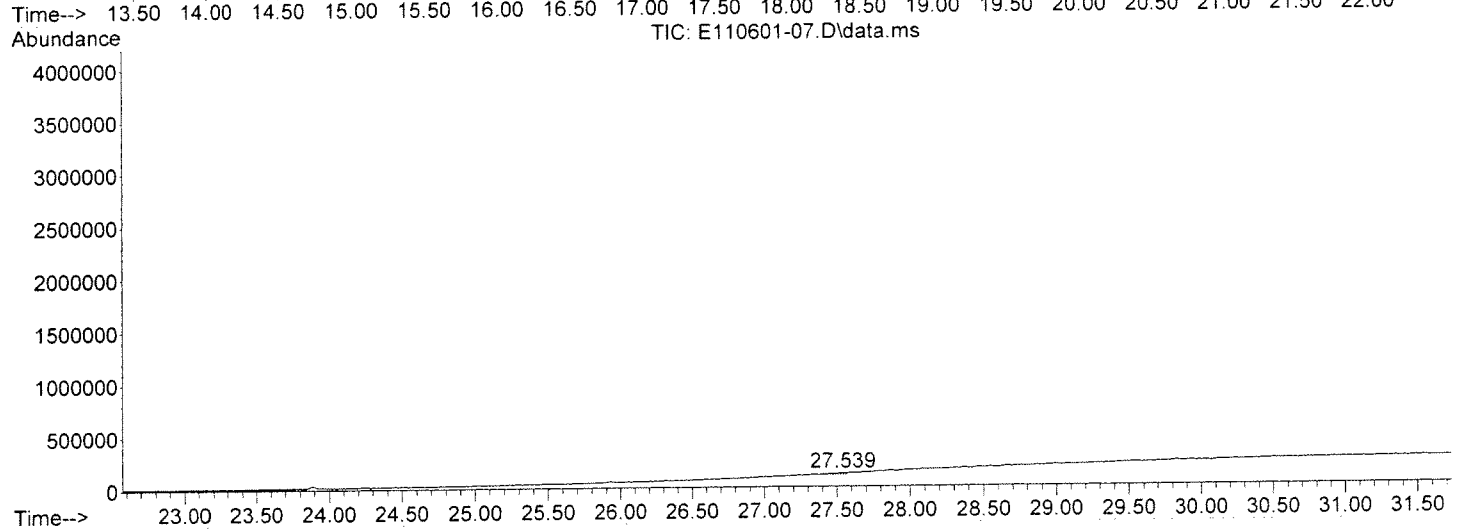
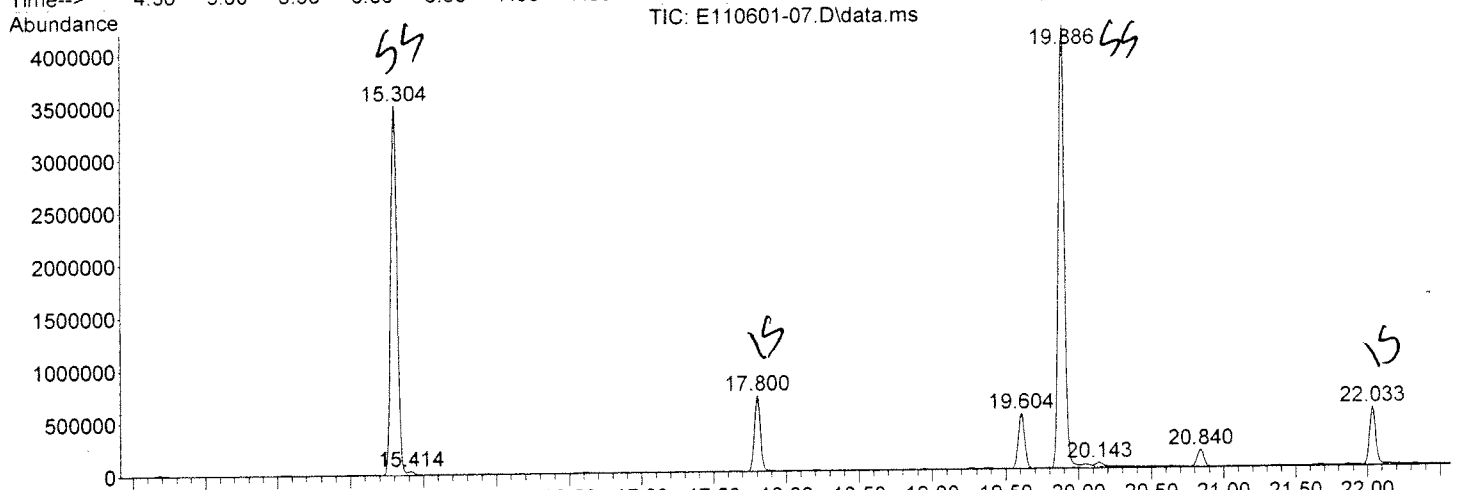
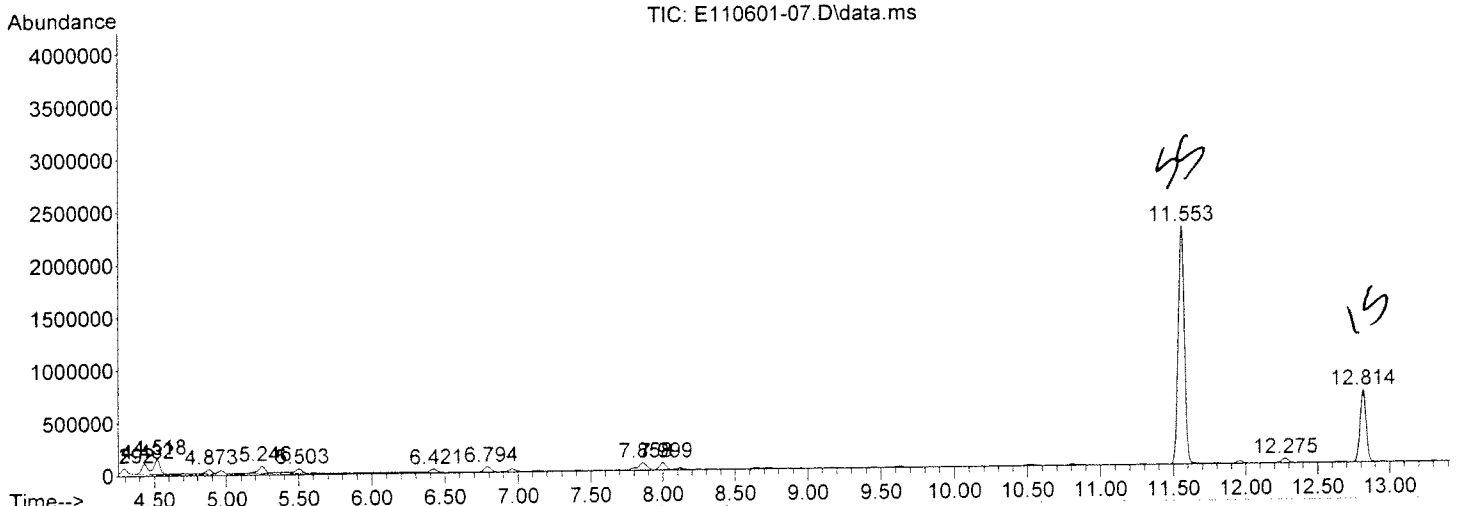
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LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

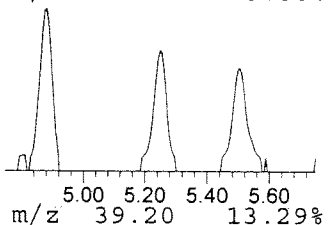
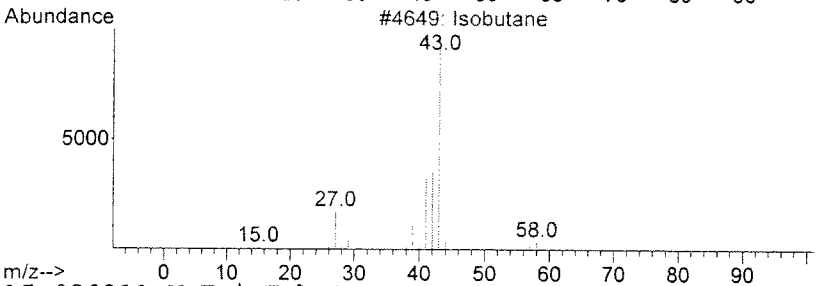
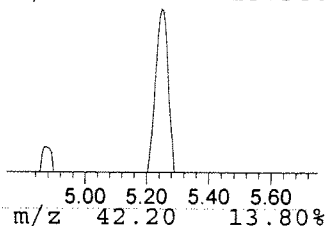
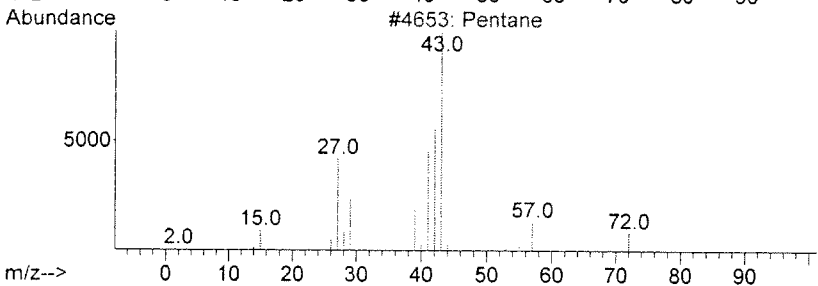
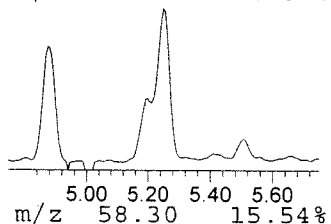
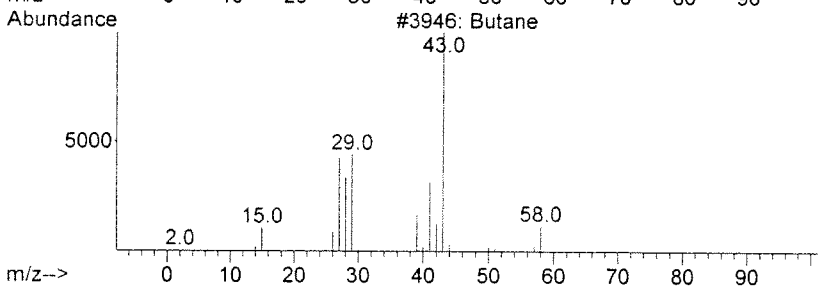
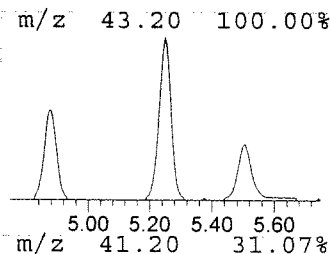
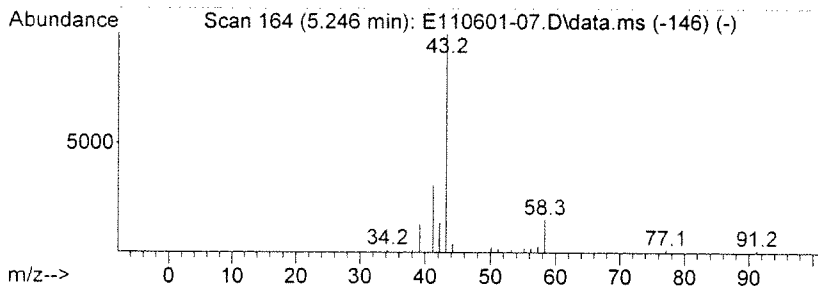
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Butane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.246	2.61 UG ¹⁰ /M3	217978	IS01 Difluorobenzene	12.814

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane	58	C4H10	000106-97-8	64
2		Pentane	72	C5H12	000109-66-0	9
3		Isobutane	58	C4H10	000075-28-5	4
4		Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	4
5		1-Nitro-2-propanone	103	C3H5NO3	010230-68-9	4



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

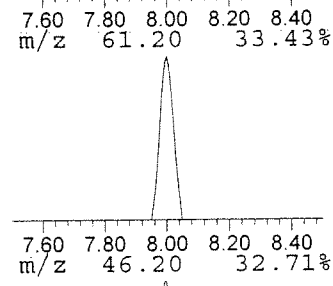
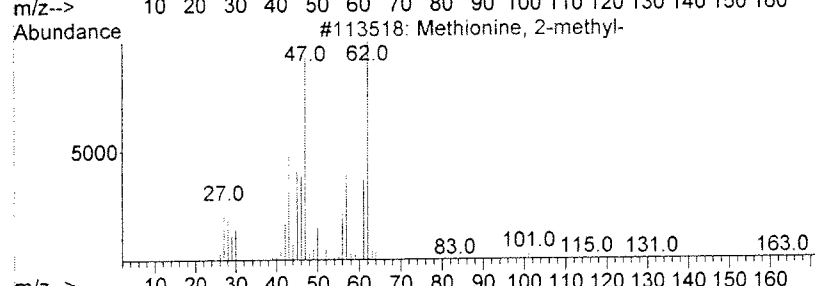
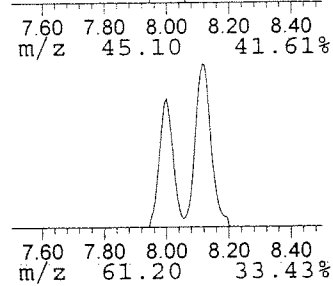
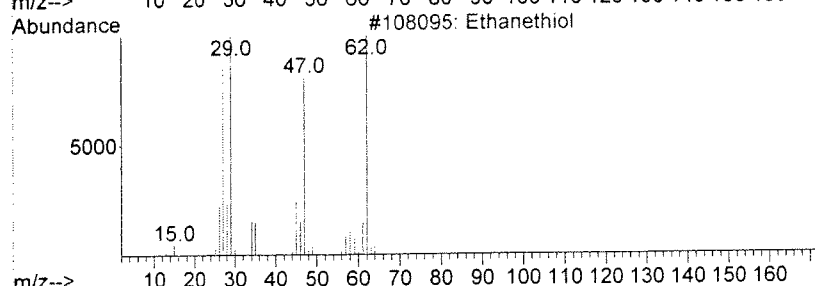
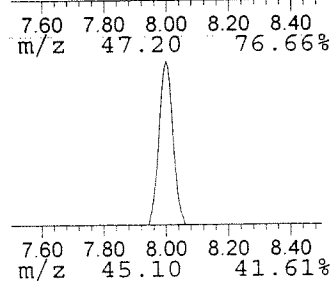
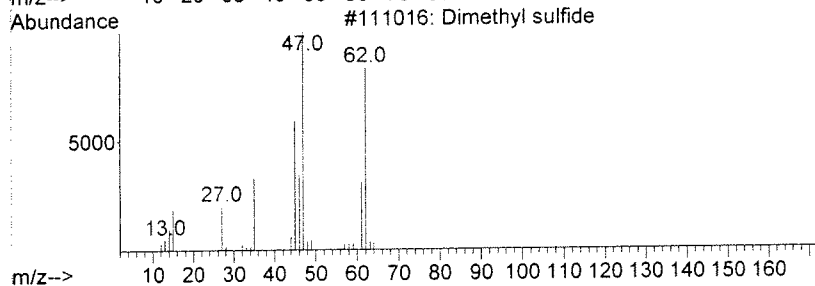
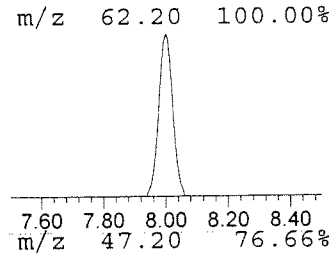
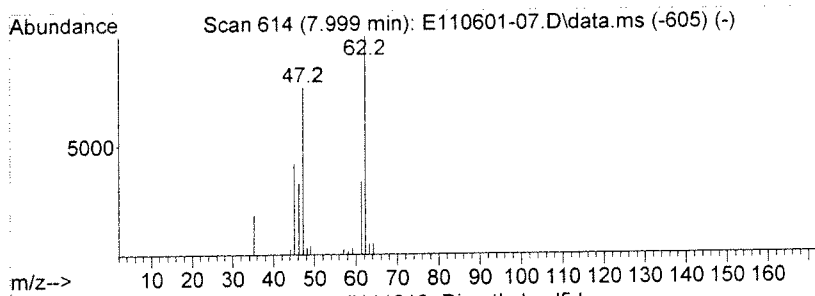
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Dimethyl sulfide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.999	2.44 UG /M3 ^{L10}	203734	IS01 Difluorobenzene	12.814

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl sulfide	62	C2H6S	000075-18-3	94
2			Ethanethiol	62	C2H6S	000075-08-1	86
3			Methionine, 2-methyl-	163	C6H13NO2S	000562-48-1	83
4			Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	50
5			Ethene, chloro-	62	C2H3Cl	000075-01-4	9



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

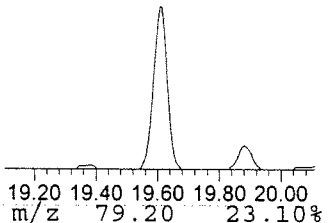
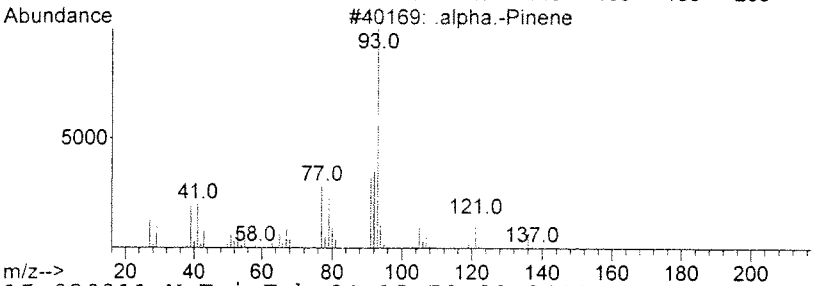
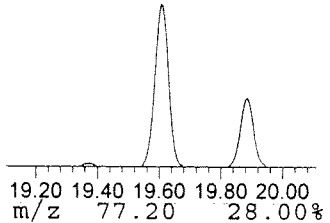
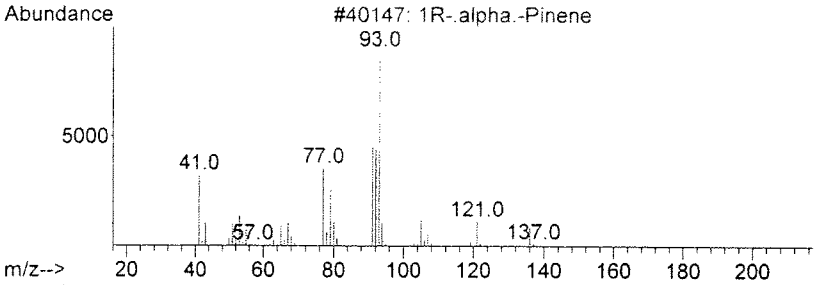
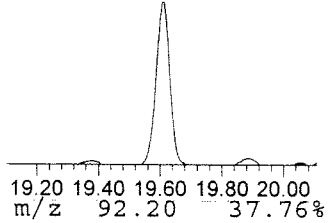
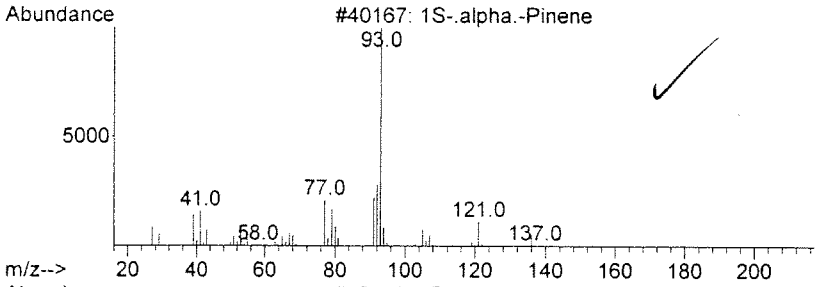
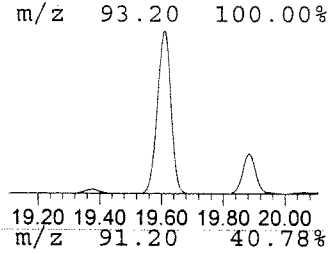
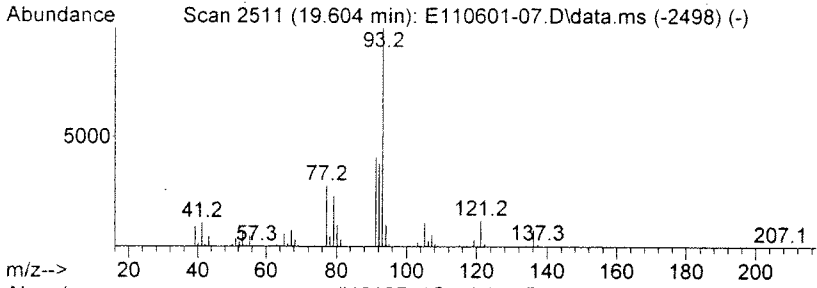
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 1S-.alpha.-Pinene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.604	18.07 UG/M3	1588680	IS02 Chlorobenzene-D5	17.800

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1S-.alpha.-Pinene	136	C10H16	007785-26-4	96
2		1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
3		.alpha.-Pinene	136	C10H16	000080-56-8	95
4		Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
5		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

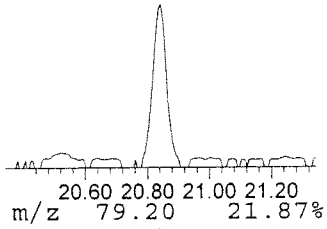
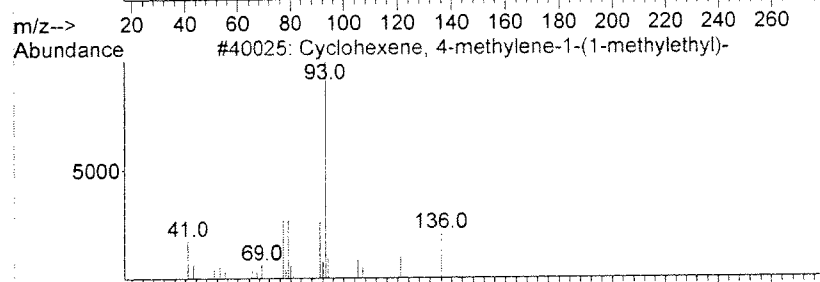
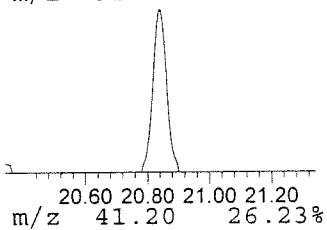
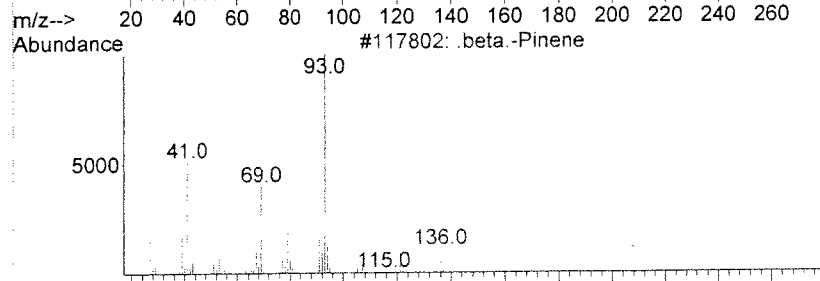
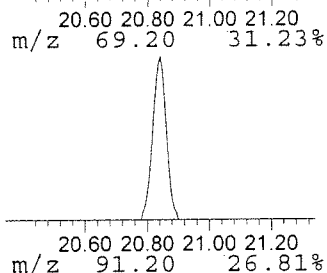
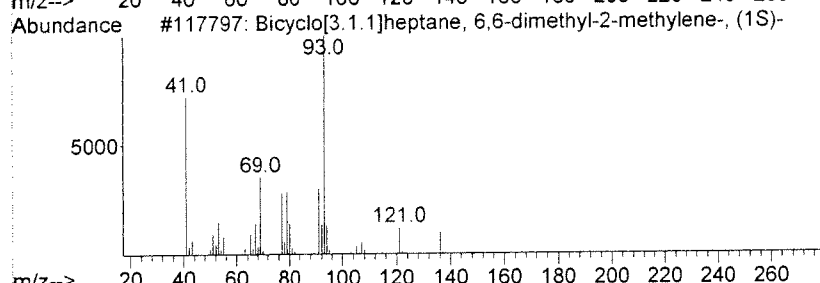
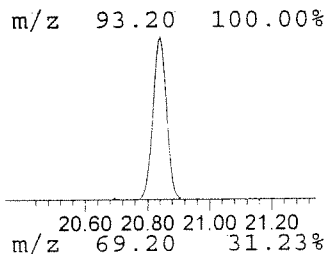
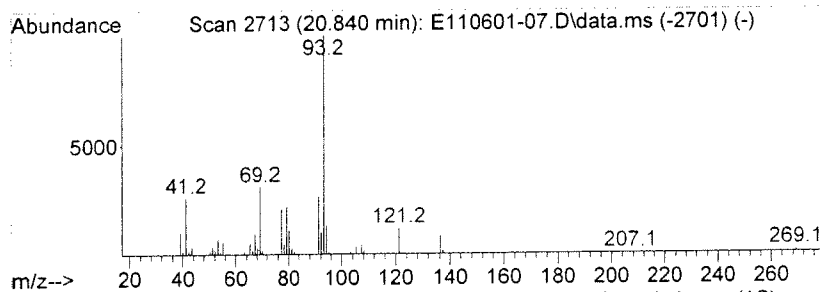
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.840	9.33 UG/M3	502613	IS03 1,4-Dichlorobenzene-D4	22.033

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	95
2			.beta.-Pinene	136	C10H16	000127-91-3	94
3			Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4			.alpha.-Pinene	136	C10H16	000080-56-8	87
5			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	86



Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-07.D
 Acq On : 4 Feb 2011 11:42 am
 Operator : FW
 Sample : E110601-07
 Misc : can3928,500cc,ip=12.8,fp=30
 ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	5.246	2.6	UG/M3	217978	1	12.814	1990950	23.8
Dimethyl sulfide	7.999	2.4	UG/M3	203734	1	12.814	1990950	23.8
1S-.alpha.-Pinene	19.604	18.1	UG/M3	1588680	2	17.800	2101100	23.9
Bicyclo[3.1.1]h...	20.840	9.3	UG/M3	502613	3	22.033	1616070	30.0

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-08.D
 Acq On : 4 Feb 2011 12:31 pm
 Operator : FW
 Sample : E110601-08
 Misc : can2415,500cc,ip=13,fp=30
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 07 10:20:44 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:48 2011
 Response via : Initial Calibration

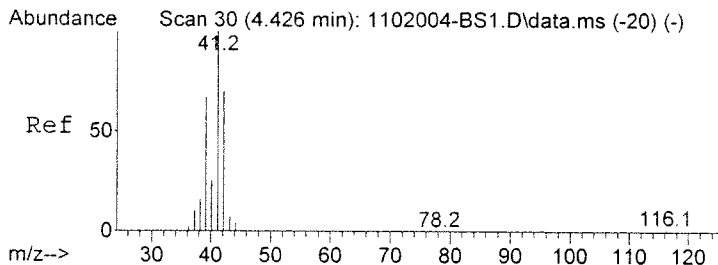
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) IS01 Difluorobenzene	12.814	114	922419	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	754017	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	304220	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
2) 7001 Propene	4.427	41	38063	0.27	UG/M3#	100	250 b1k
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	185719	1.16	UG/M3	98	
4) 7017 Freon 114 (Cl2F4E...	4.843	85	6692	0.05	UG/M3#	75	
5) 7025 Chloromethane	4.959	50	60503	0.43	UG/M3	100	
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	78731	0.60	UG/M3	100	
12) 7011 Freon 113 (Cl3F3E...	7.804	101	20567	0.25	UG/M3	99	
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.859	43	236143	1.47	UG/M3	100	1100 b1k
15) 7024 Isopropanol	8.116	45	38889	0.24	UG/M3	74	1500 b1k
16) 7052 Carbon Disulfide	8.250	76	3821	0.01	UG/M3#		
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	8.636	49	8389	0.10	UG/M3#	85	
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	9.633	57	6413	0.04	UG/M3#	59	
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	10.801	72	22422	0.50	UG/M3	94	
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	11.297	83	3160	0.03	UG/M3#	18	
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	11.958	117	22541	0.24	UG/M3	98	
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.276	78	76286	0.25	UG/M3	100	
36) 7036 Isooctane (2,2,4-...	12.392	57	6456	0.02	UG/M3#	37	
37) 7038 Heptane	12.673	43	6511	0.05	UG/M3#	1	
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-08.D
 Acq On : 4 Feb 2011 12:31 pm
 Operator : FW
 Sample : E110601-08
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 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 07 10:20:44 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:48 2011
 Response via : Initial Calibration

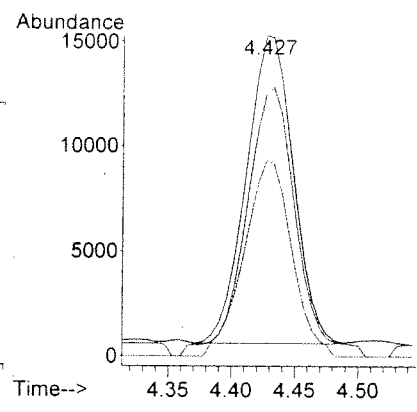
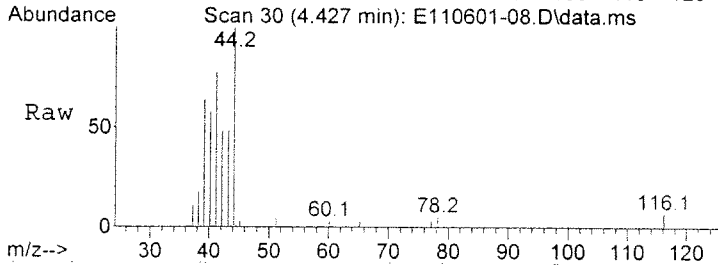
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	36402	0.13	UG/M3	97
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	16.442	43	4922	0.06	UG/M3#	27
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.014	91	6042	0.02	UG/M3#	48
55) 7156 (m- and.or p-) Xy...	18.210	91	7381	0.03	UG/M3#	34
56) 7157 o-Xylene	18.944	91	3067	0.01	UG/M3#	28
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	21.360	105	5559	0.03	UG/M3#	29
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

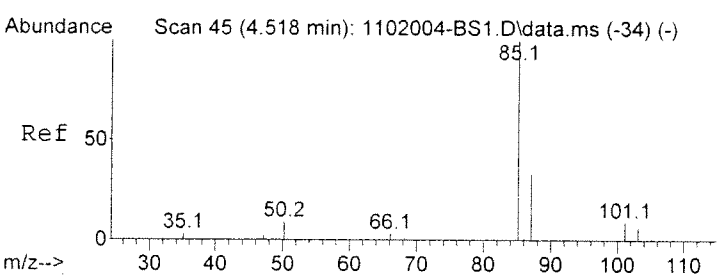
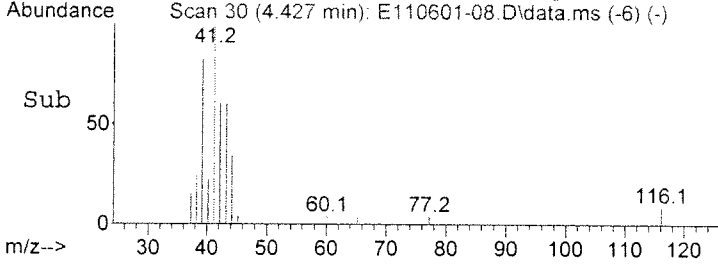


#2
 7001 Propene
 Concen: 0.27 UG/M3
 RT: 4.427 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Ratio	Lower	Upper
41	100		
39	92.1	46.6	86.6#
42	64.2	48.0	88.0

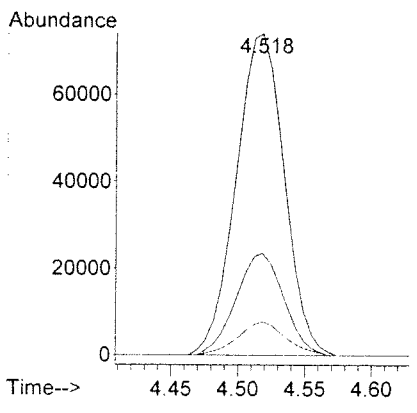
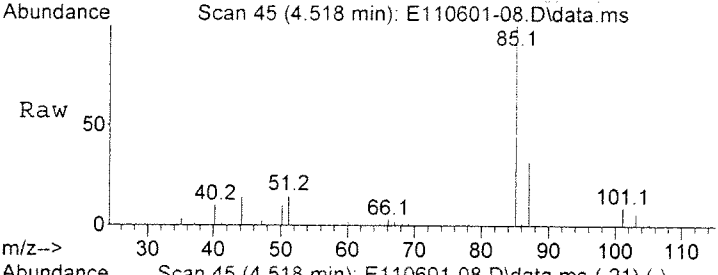


5x blk

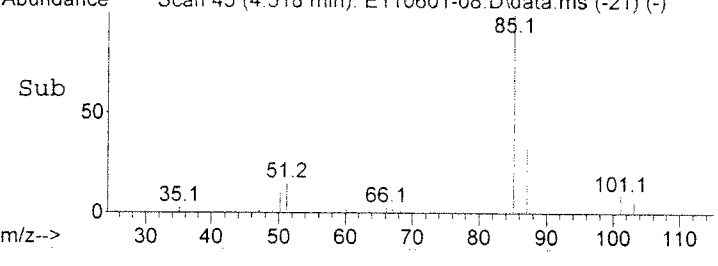


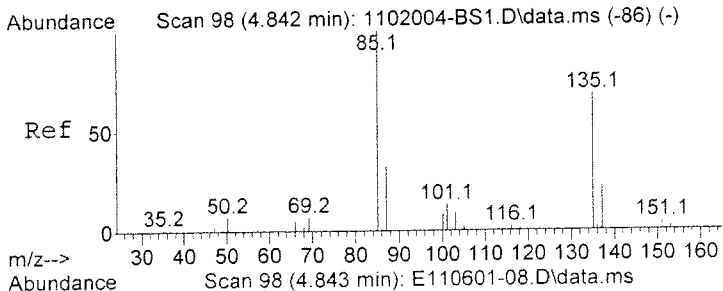
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.16 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	12.7	52.7
50	10.4	0.0	29.4



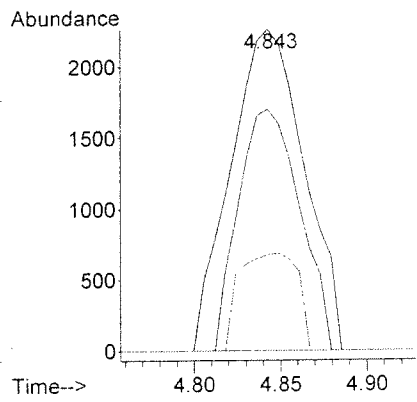
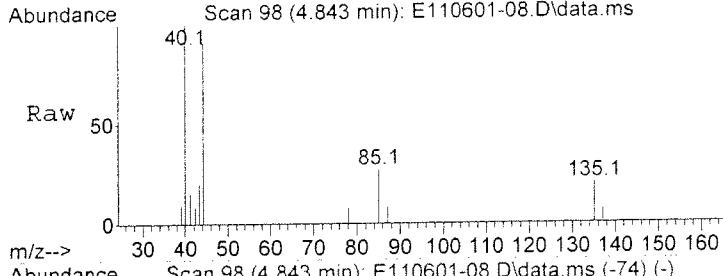
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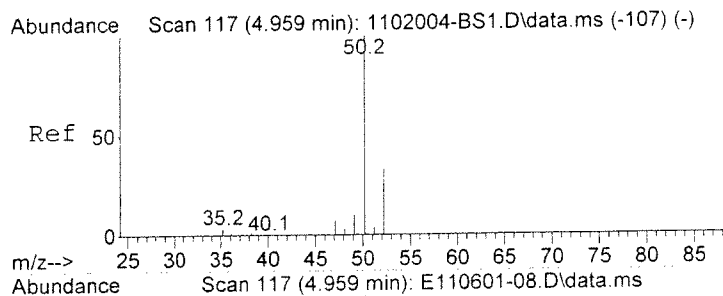
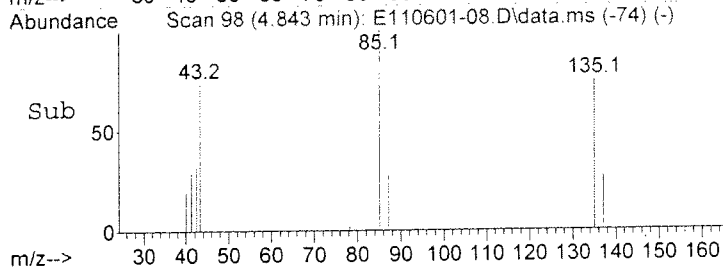


#4
 7017 Freon 114 (Cl2F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.843 min Scan# 98
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
85	6692		
135	62.7	50.8	90.8
87	0.0	12.2	52.2#

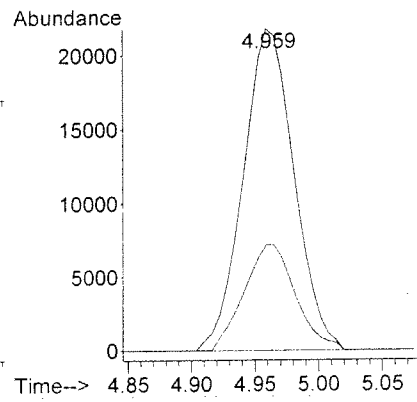
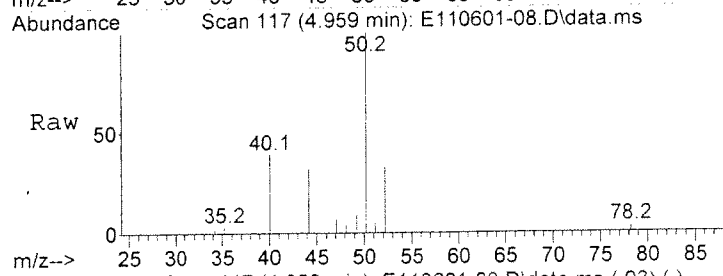


MDL

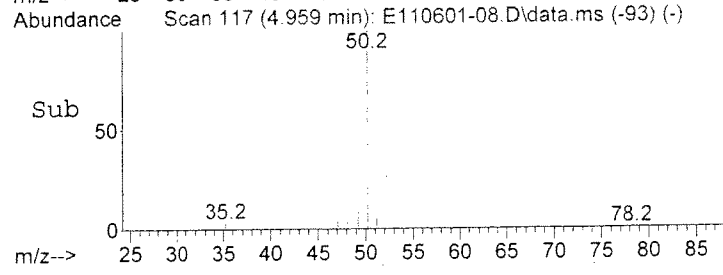


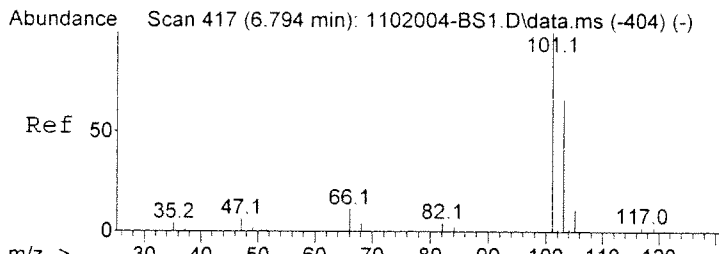
#5
 7025 Chloromethane
 Concen: 0.43 UG/M3
 RT: 4.959 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
50	60503		
52	33.1	12.8	52.8



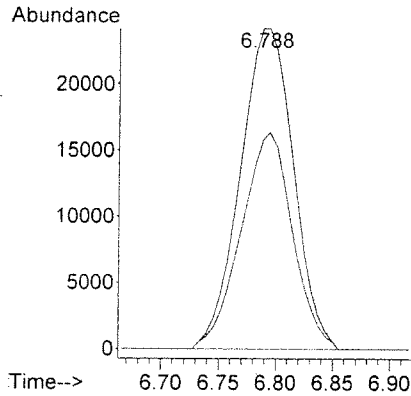
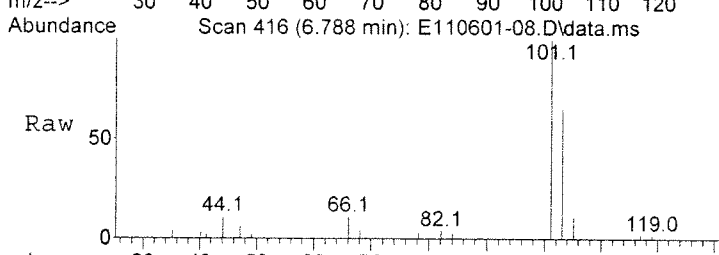
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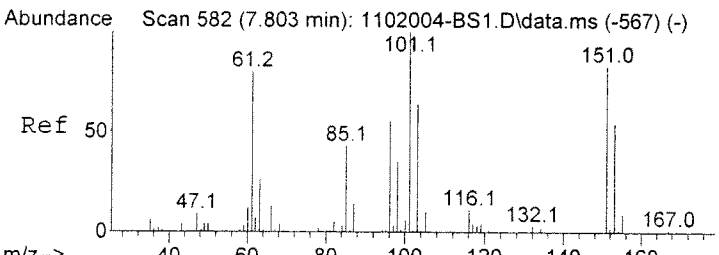
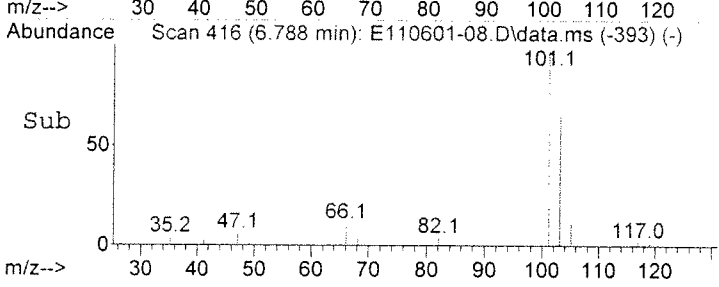


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.60 UG/M3
 RT: 6.788 min Scan# 416
 Delta R.T. -0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	101	103	Resp	78731	Lower	Upper
Ion Ratio	100	65.1			44.7	84.7

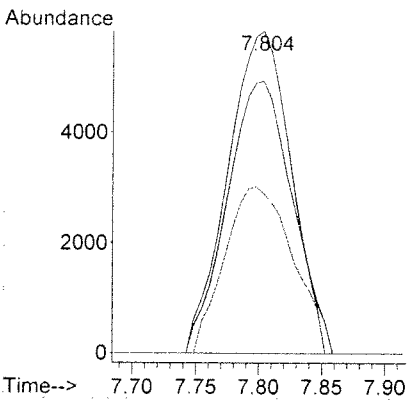
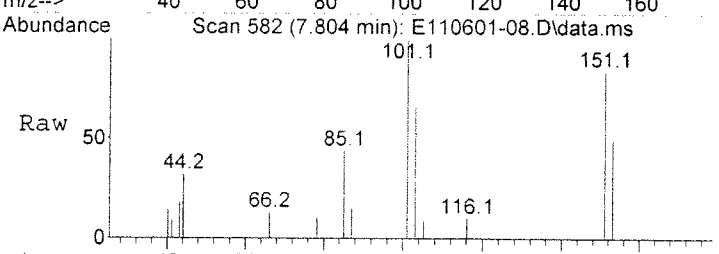


OK

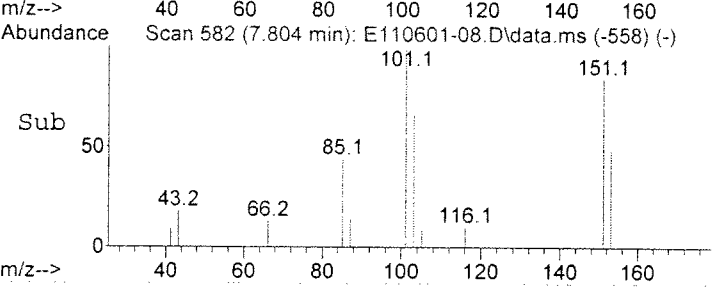


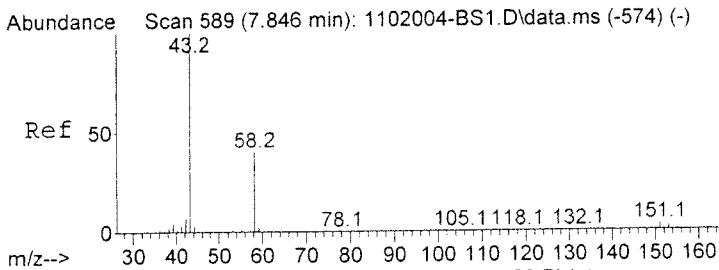
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.25 UG/M3
 RT: 7.804 min Scan# 582
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	101	151	153	Resp	20567	Lower	Upper
Ion Ratio	100	85.0	54.6			64.5	104.5
						34.1	74.1



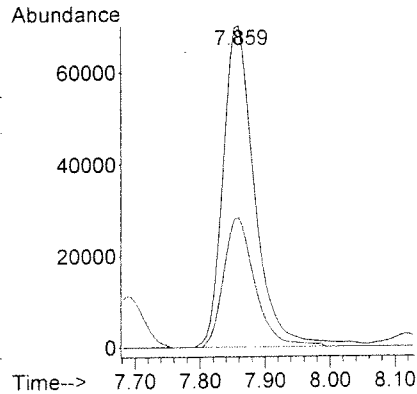
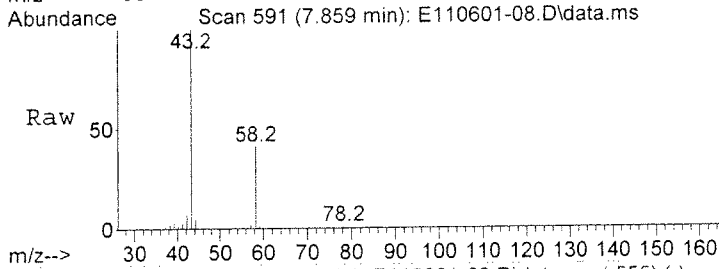
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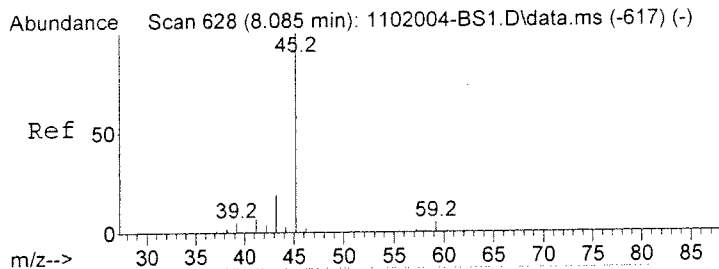
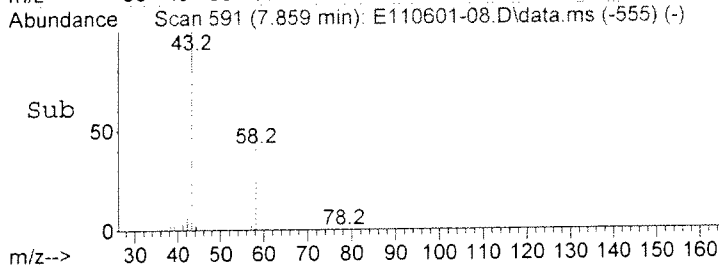


#14
 7051 Acetone
 Concen: 1.47 UG/M3
 RT: 7.859 min Scan# 591
 Delta R.T. 0.019 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion: 43 Resp: 236143
 Ion Ratio Lower Upper
 43 100
 58 40.0 19.9 59.9

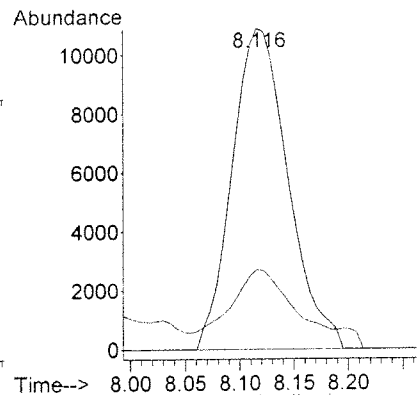
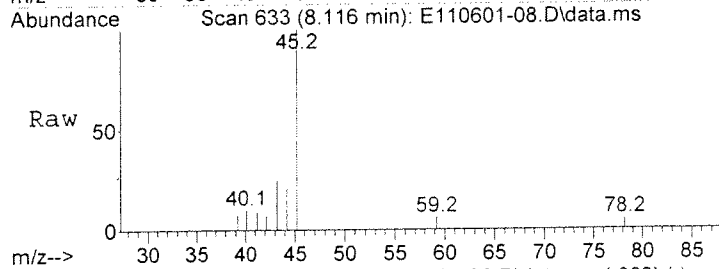


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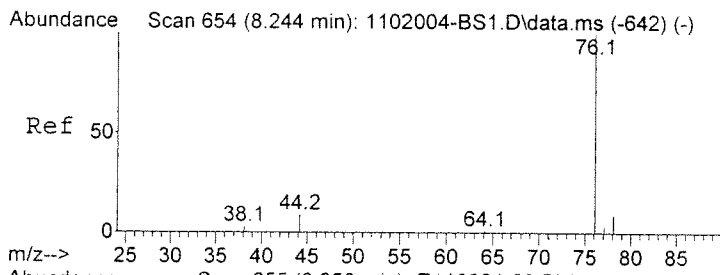


#15
 7024 Isopropanol
 Concen: 0.24 UG/M3
 RT: 8.116 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion: 45 Resp: 38889
 Ion Ratio Lower Upper
 45 100
 43 18.4 0.0 37.4

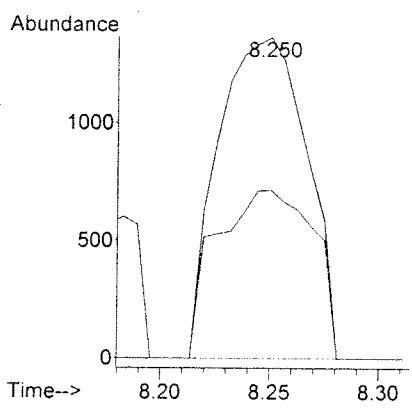
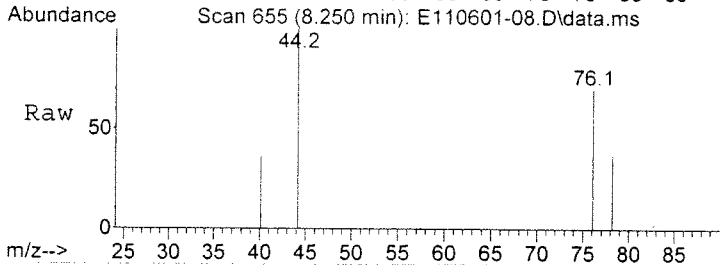


LSX b1K

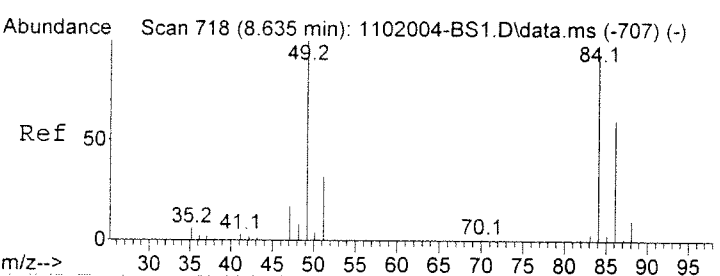
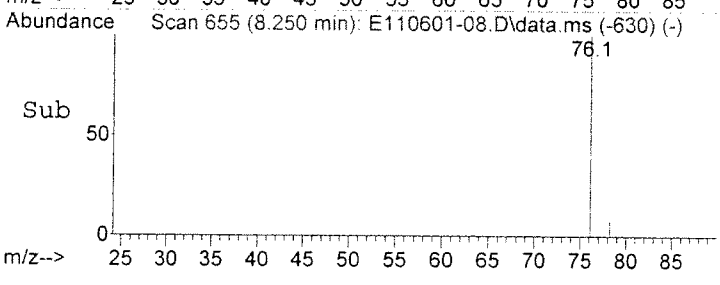


#16
 7052 Carbon Disulfide
 Concen: 0.01 UG/M3
 RT: 8.250 min Scan# 655
 Delta R.T. 0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion:	Resp:	Lower	Upper
76	3821	100	
78	0.0	0.0	29.3

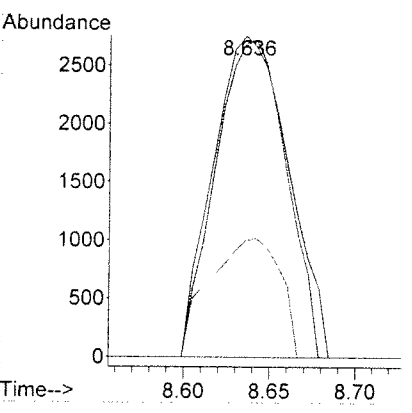
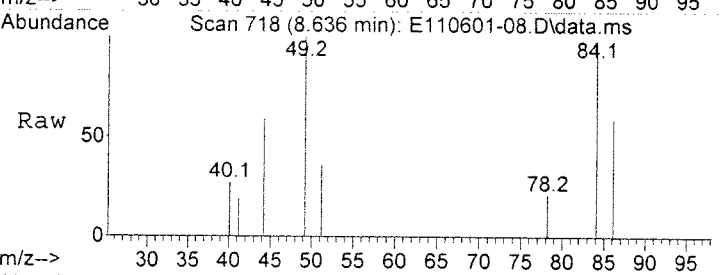


MDL

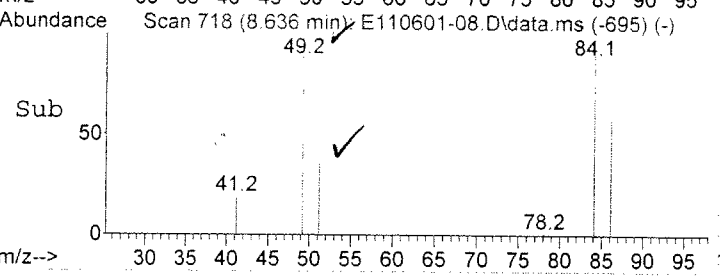


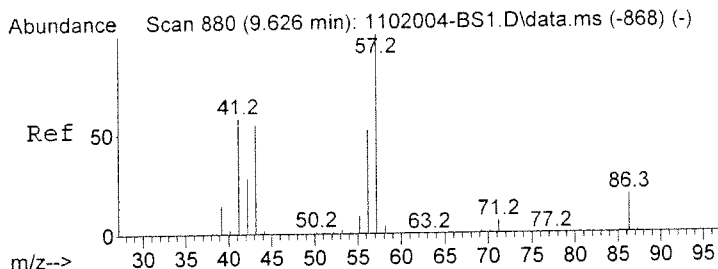
#18
 7045 Methylene Chloride
 Concen: 0.10 UG/M3
 RT: 8.636 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion:	Resp:	Lower	Upper
49	8389	100	
84	92.2	72.8	112.8
51	0.0	11.5	51.5#



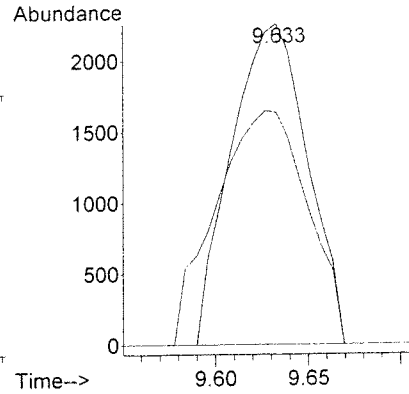
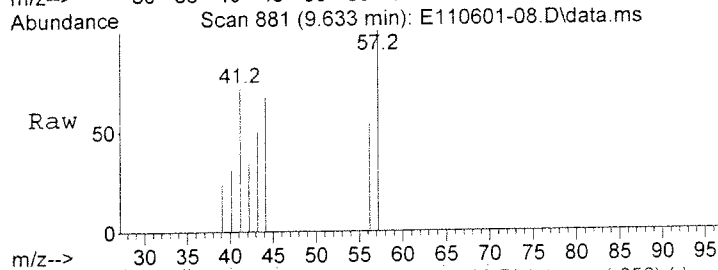
OK



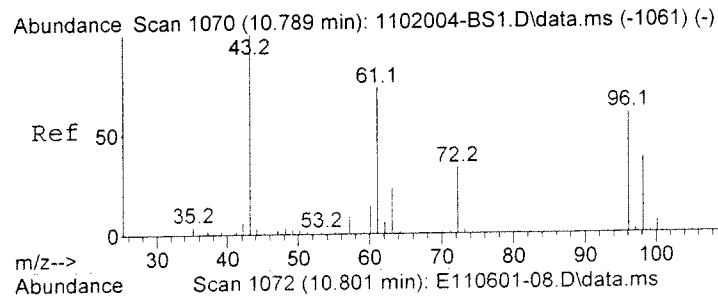
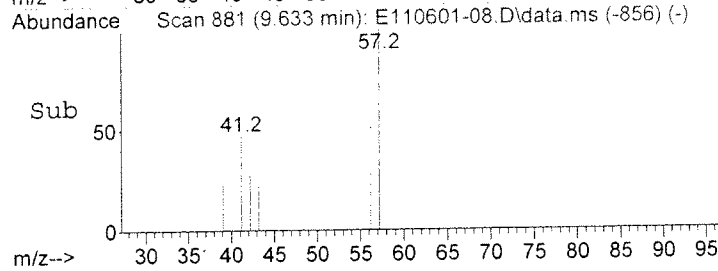


#22
 7016 Hexane
 Concen: 0.04 UG/M3
 RT: 9.633 min Scan# 881
 Delta R.T. 0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
57	100		
41	87.8	37.9	77.9#
86	0.0	0.0	39.0

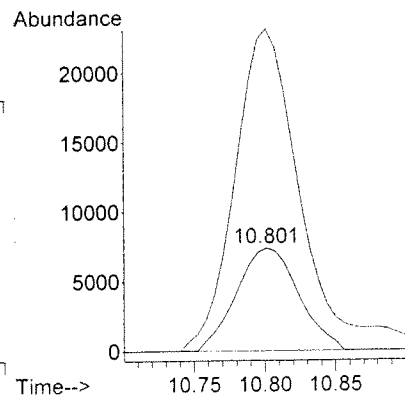
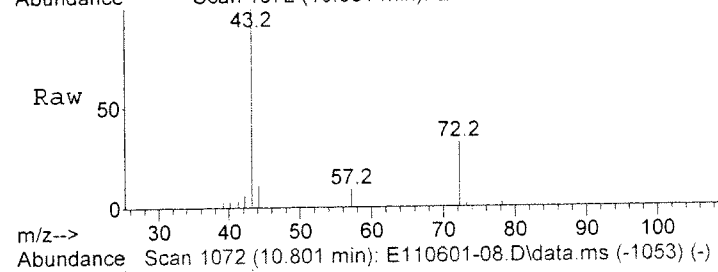


LMDL

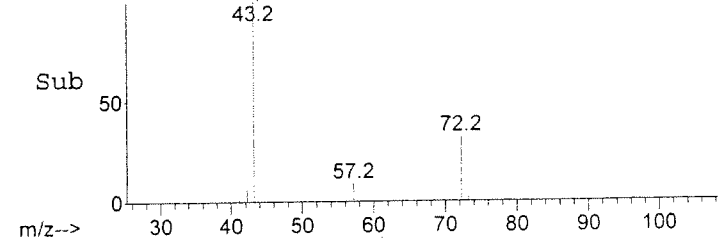


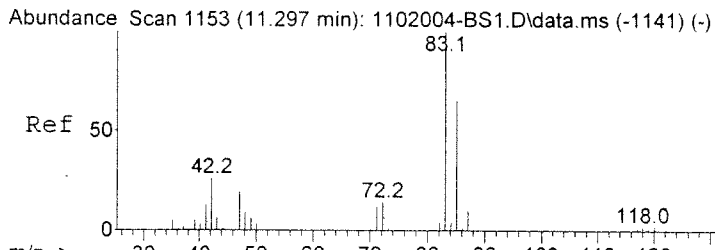
#25
 7058 Methyl Ethyl Ketone
 Concen: 0.50 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. 0.019 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
72	100		
43	319.3	287.4	327.4



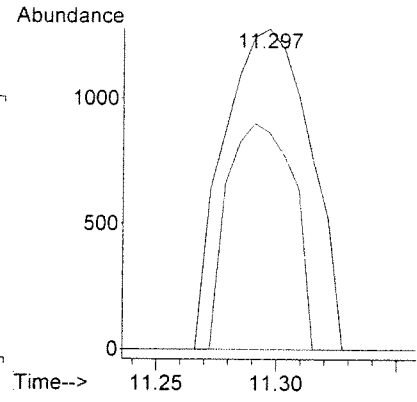
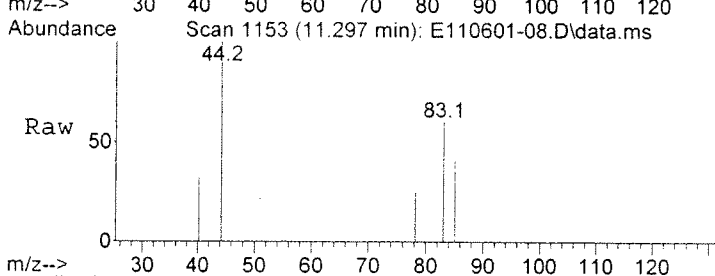
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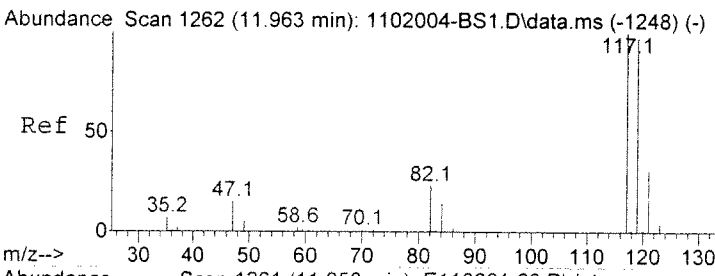
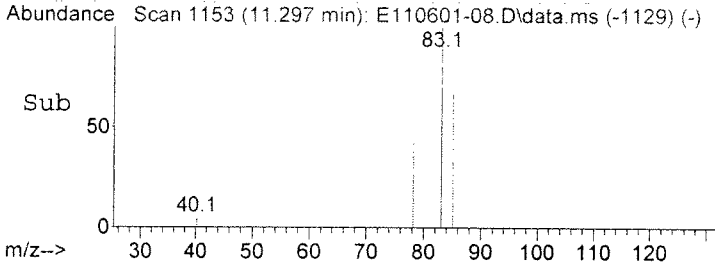


#28
 7065 Chloroform
 Concen: 0.03 UG/M3
 RT: 11.297 min Scan# 1153
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
83	3160	100	
85	0.0	45.1	85.1#

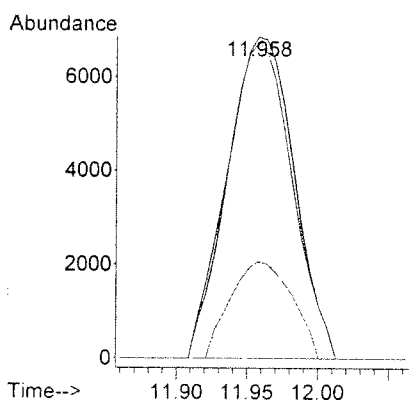
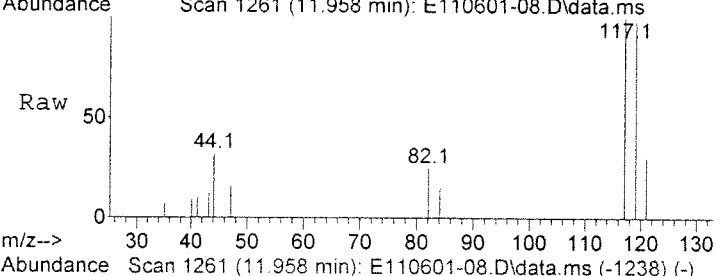


CMDL

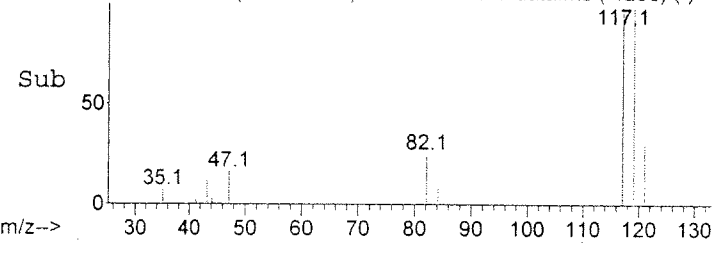


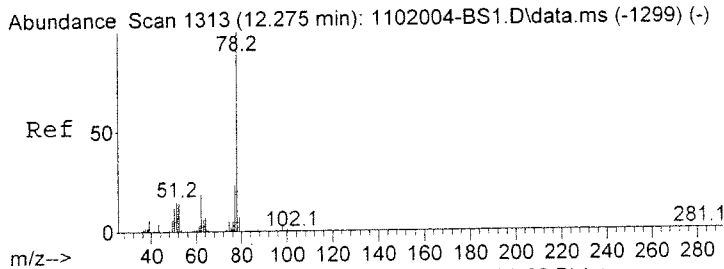
#33
 7080 Carbon Tetrachloride
 Concen: 0.24 UG/M3
 RT: 11.958 min Scan# 1261
 Delta R.T. -0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
117	22541	100	
119	95.5	76.4	116.4
121	27.6	11.2	51.2



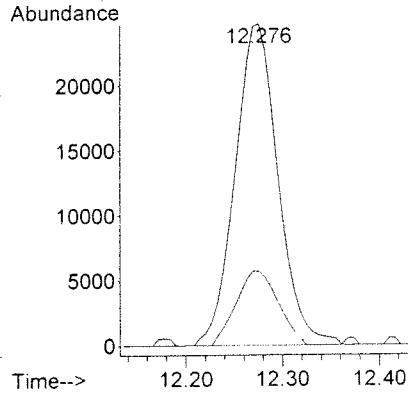
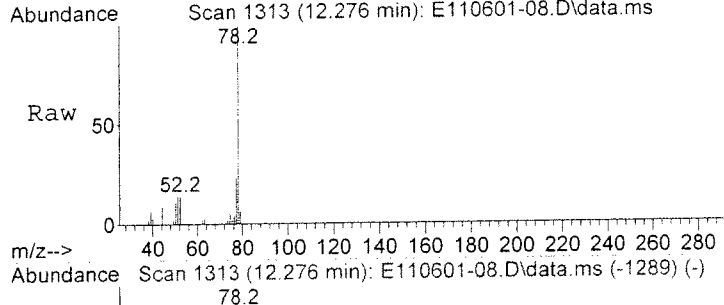
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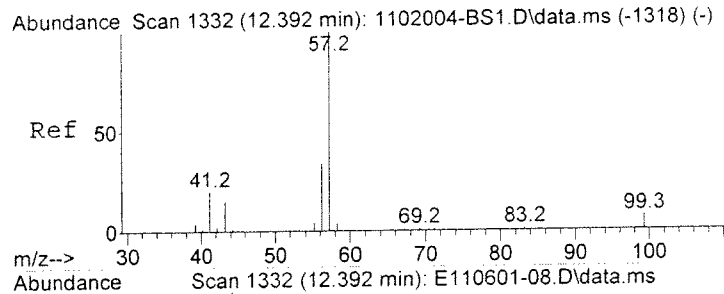
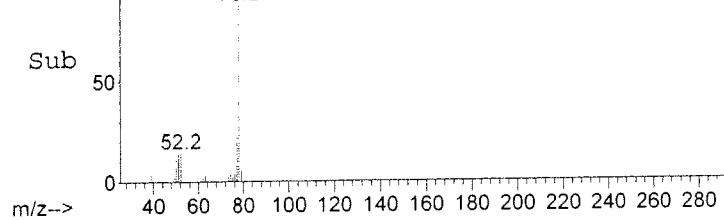


#35
 7105 Benzene
 Concen: 0.25 UG/M3
 RT: 12.276 min Scan# 1313
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
78	100		
77	22.7	2.8	42.8



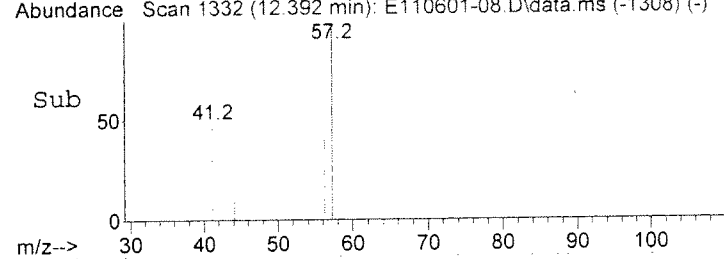
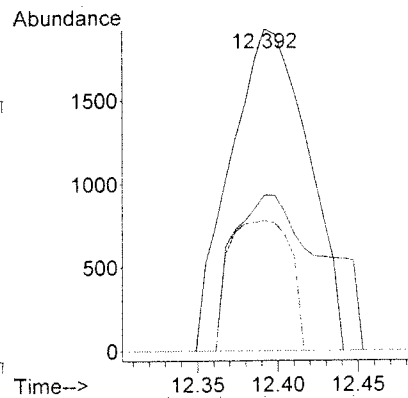
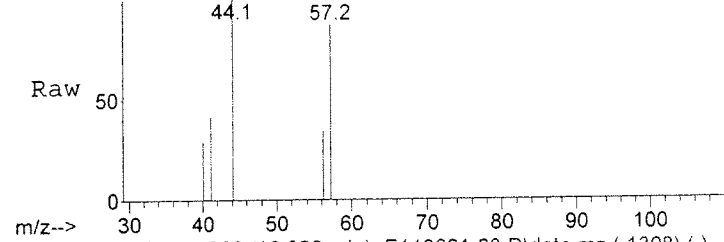
OK

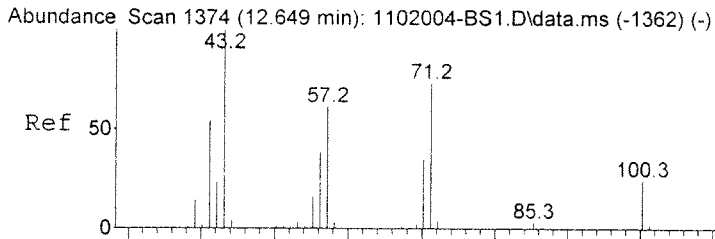


#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.02 UG/M3
 RT: 12.392 min Scan# 1332
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

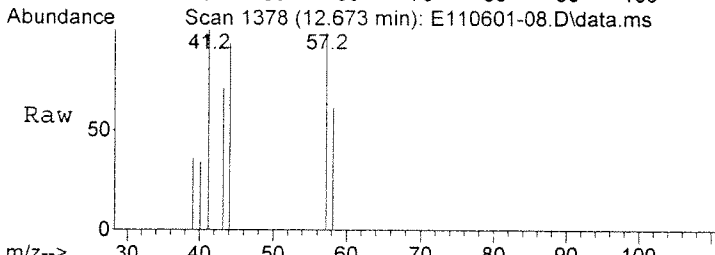
Tgt Ion	Resp	Lower	Upper
57	100		
41	52.4	0.3	40.3#
56	0.0	13.3	53.3#

CMDL

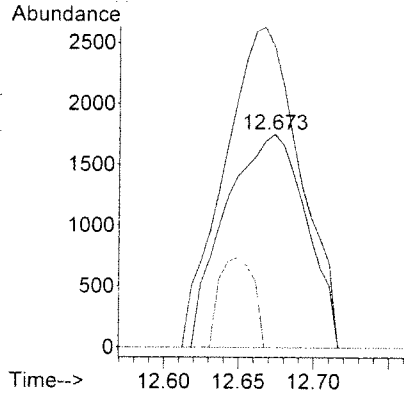
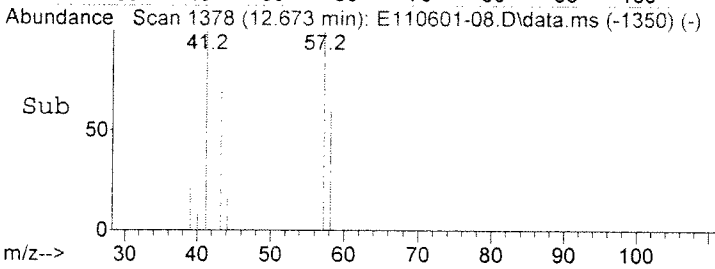




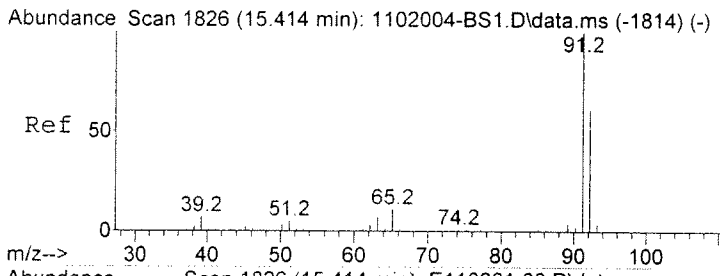
#37
 7038 Heptane
 Concen: 0.05 UG/M3
 RT: 12.673 min Scan# 1378
 Delta R.T. 0.025 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm



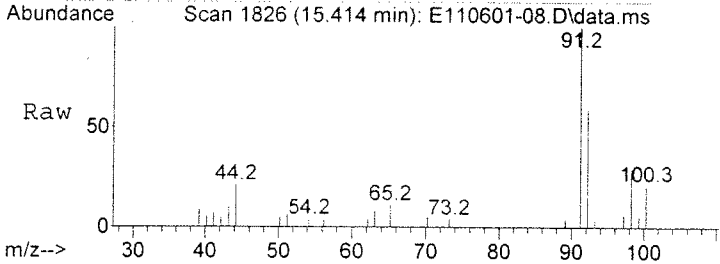
Tgt Ion	Resp	Lower	Upper
43	6511		
43	100		
41	141.3	32.7	72.7#
71	0.0	54.2	94.2#



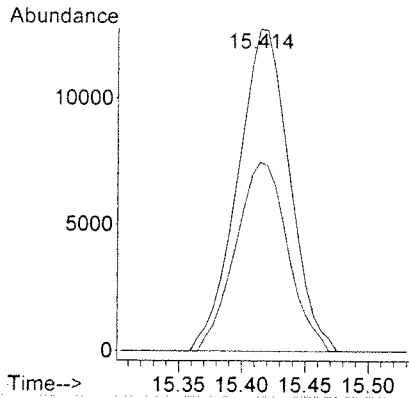
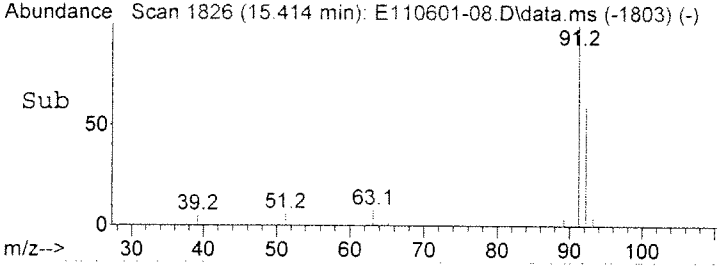
CMDL



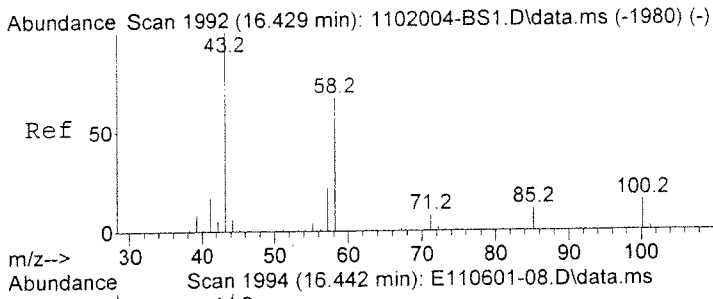
#46
 7145 Toluene
 Concen: 0.13 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm



Tgt Ion	Resp	Lower	Upper
91	36402		
91	100		
92	58.8	41.1	81.1

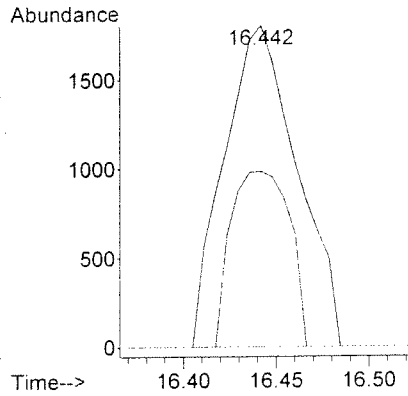


OK

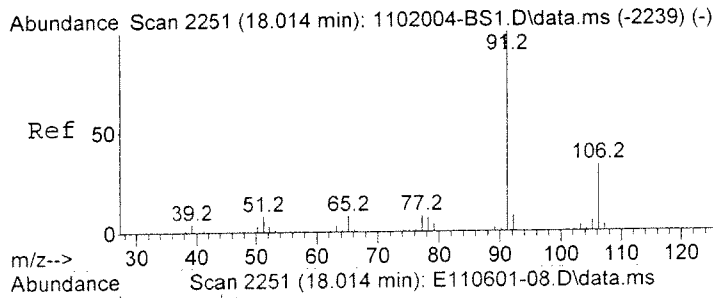
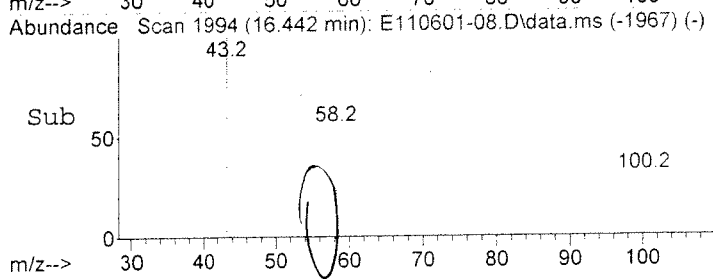


#50
 7142 Methyl Butyl Ketone
 Concen: 0.06 UG/M3
 RT: 16.442 min Scan# 1994
 Delta R.T. 0.019 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
43	4922		
43	100		
58	0.0	45.0	85.0#
57	0.0	2.1	42.1#

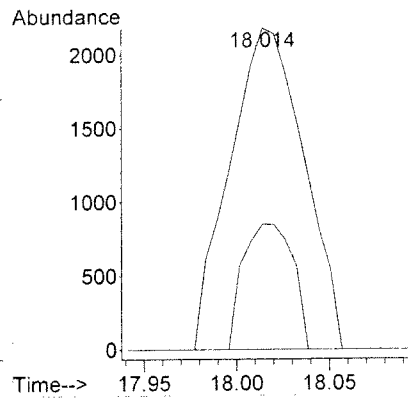


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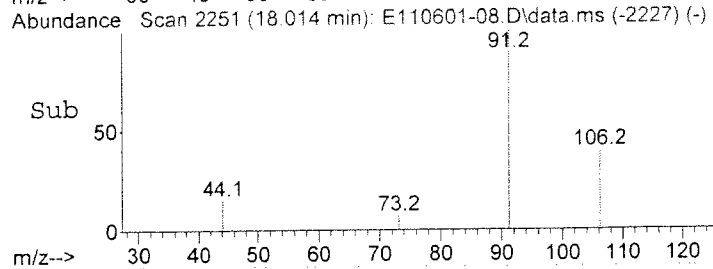


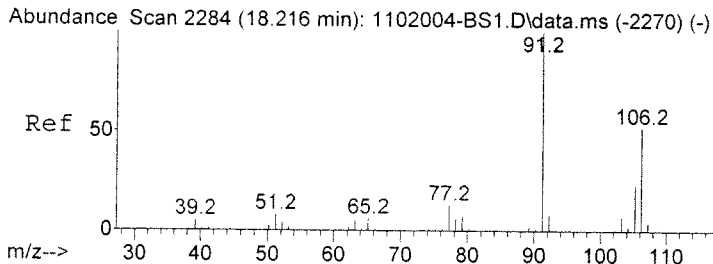
#54
 7155 Ethylbenzene
 Concen: 0.02 UG/M3
 RT: 18.014 min Scan# 2251
 Delta R.T. 0.000 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
91	6042		
91	100		
106	0.0	13.2	53.2#
51	0.0	0.0	28.1



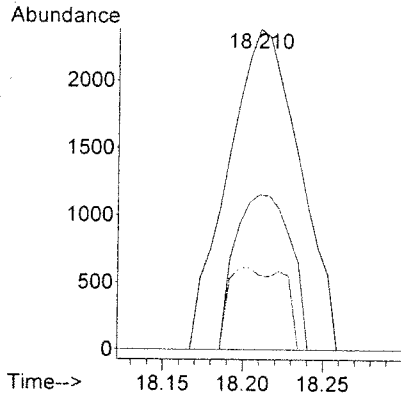
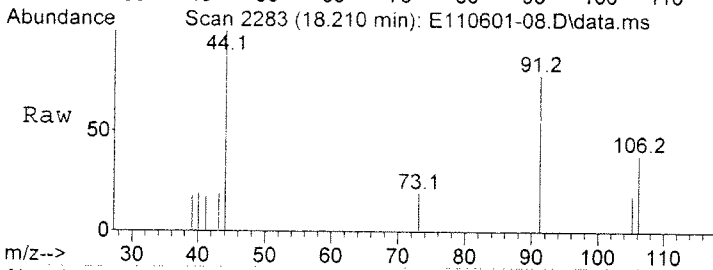
CMDL



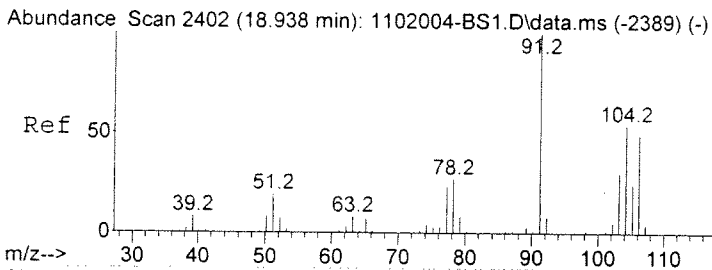
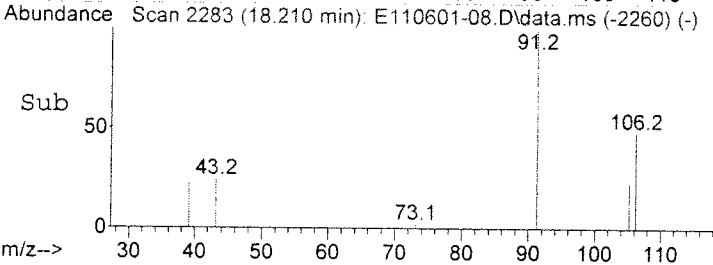


#55
 7156 (m- and/or p-) Xylene
 Concen: 0.03 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
91	100		
106	0.0	32.5	72.5#
105	0.0	2.9	42.9#

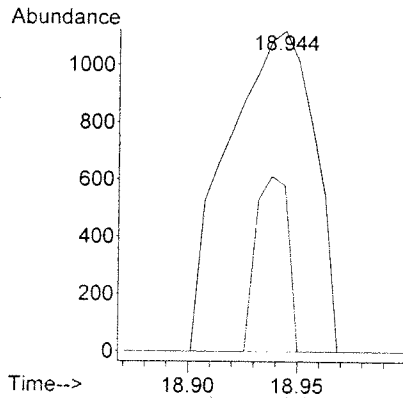
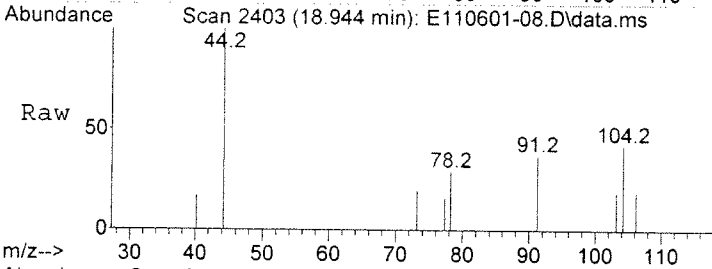


MDL

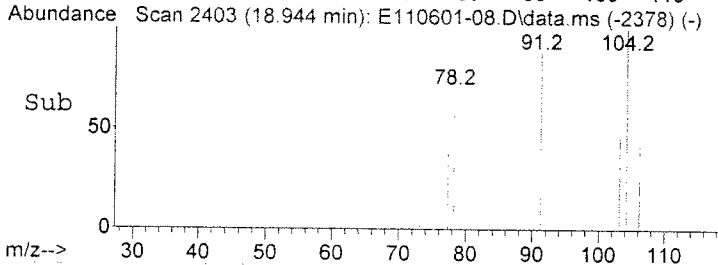


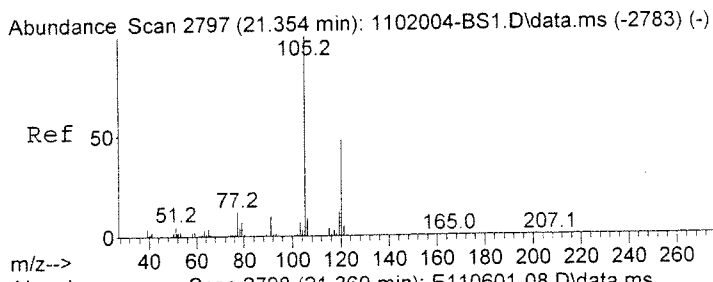
#56
 7157 o-Xylene
 Concen: 0.01 UG/M3
 RT: 18.944 min Scan# 2403
 Delta R.T. 0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	Resp	Lower	Upper
91	100		
106	0.0	29.1	69.1#



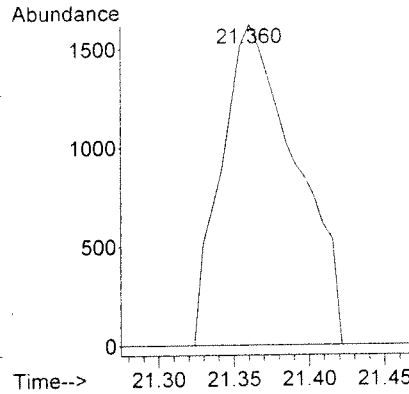
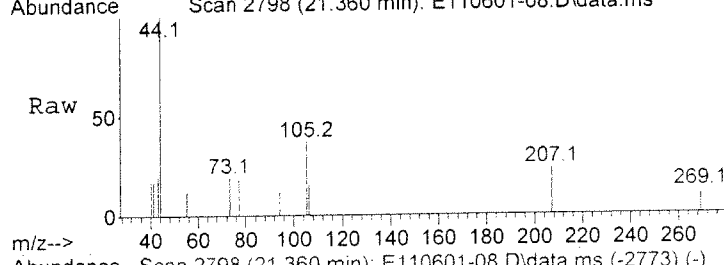
MDL



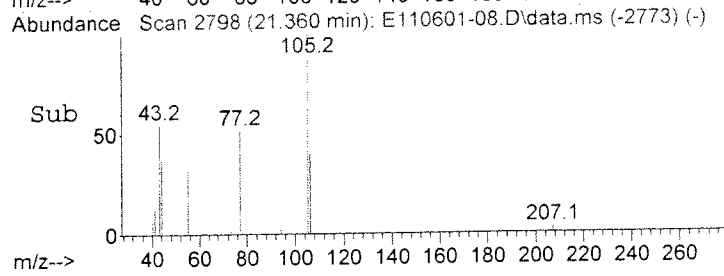


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.03 UG/M3
 RT: 21.360 min Scan# 2798
 Delta R.T. 0.006 min
 Lab File: E110601-08.D
 Acq: 4 Feb 2011 12:31 pm

Tgt Ion	105	120	Ratio	Lower	Upper	Resp
	105	100				5559
	120	0.0	28.1	68.1	#	



EMDL



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-08.D
 Acq On : 4 Feb 2011 12:31 pm
 Operator : FW
 Sample : E110601-08
 Misc : can2415,500cc,ip=13,fp=30
 ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-08.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	19	rVB	51722	127311	1.02%	0.327%
2	4.433	19	31	36	rVV2	71361	206787	1.65%	0.530%
3	4.518	36	45	61	rVB3	143558	443095	3.55%	1.137%
4	5.246	145	164	176	rBV	40139	145096	1.16%	0.372%
5	5.503	196	206	217	rVB	75649	237422	1.90%	0.609%
6	6.794	401	417	433	rVB	53316	170959	1.37%	0.438%
7	7.859	572	591	623	rVB	114349	455055	3.64%	1.167%
8	10.508	1007	1024	1045	rBV5	30196	123220	0.99%	0.316%
9	10.801	1062	1072	1084	rBV	37201	114157	0.91%	0.293%
10	11.554	1176	1195	1224	rBV	2304330	6996090	55.99%	17.944%
11	12.276	1302	1313	1324	rVB	48755	142919	1.14%	0.367%
12	12.814	1388	1401	1419	rBV	661499	1917671	15.35%	4.919%
13	15.304	1794	1808	1822	rBV2	3566210	10789380	86.34%	27.674%
14	15.414	1822	1826	1839	rVB2	37444	102335	0.82%	0.262%
15	15.928	1896	1910	1924	rBV2	32069	117906	0.94%	0.302%
16	17.800	2205	2216	2240	rBV	708945	2080473	16.65%	5.336%
17	19.605	2500	2511	2528	rVB	114043	355494	2.84%	0.912%
18	19.886	2543	2557	2575	rBV	4241451	12495707	100.00%	32.051%
19	20.045	2575	2583	2594	rVB	37163	142568	1.14%	0.366%
20	22.033	2897	2908	2935	rBV	552513	1691853	13.54%	4.339%
21	23.887	3198	3211	3227	rBV6	35291	132031	1.06%	0.339%

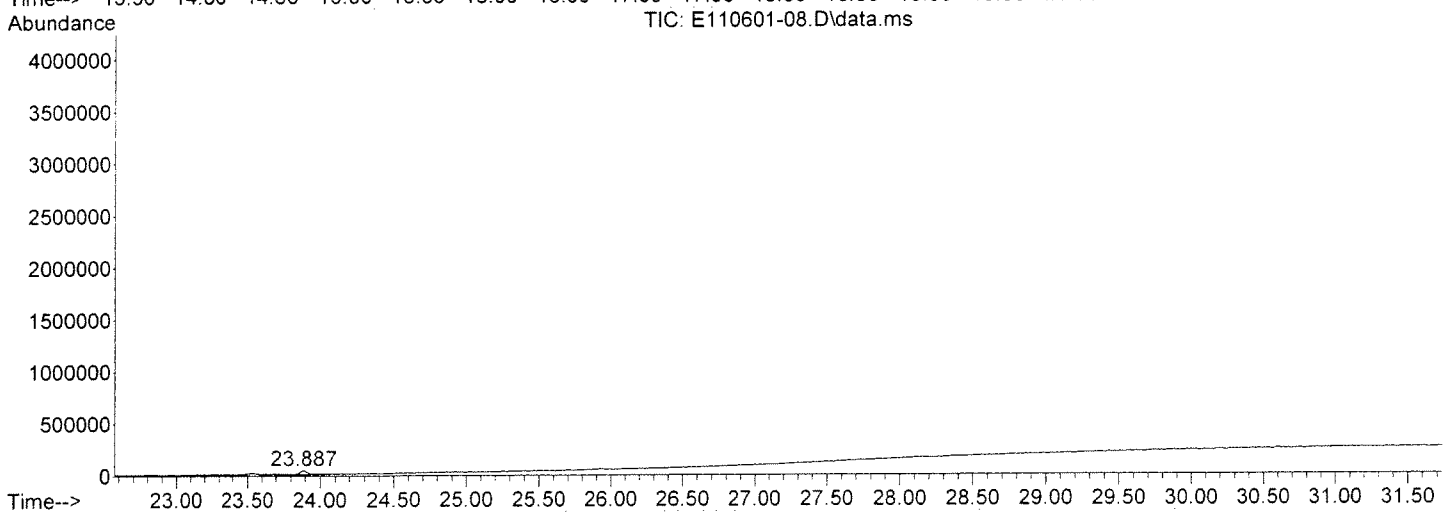
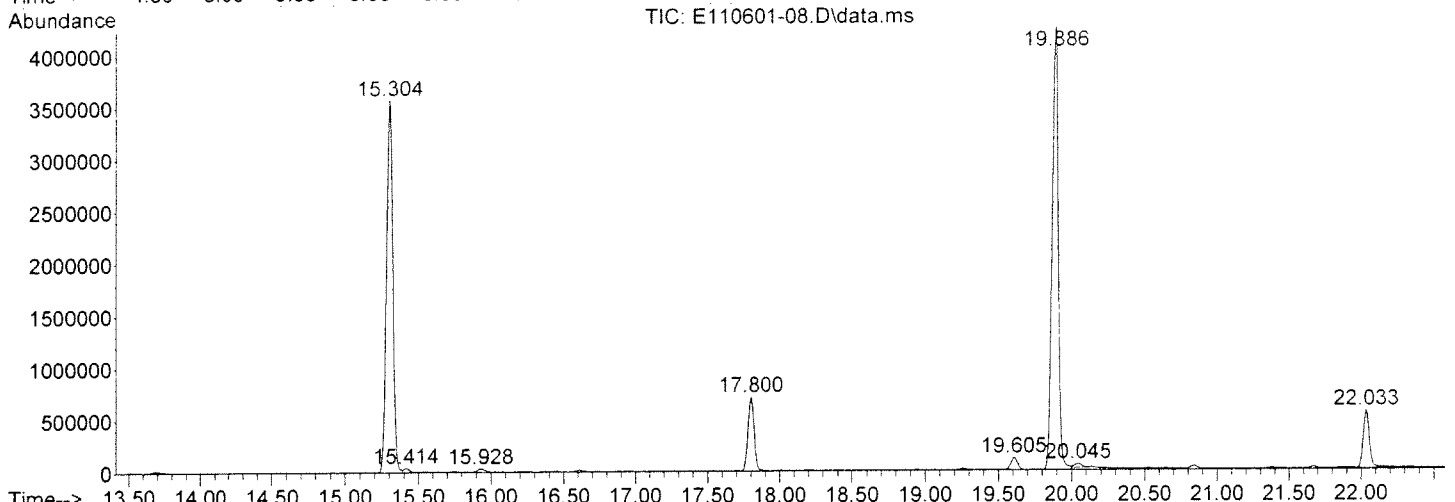
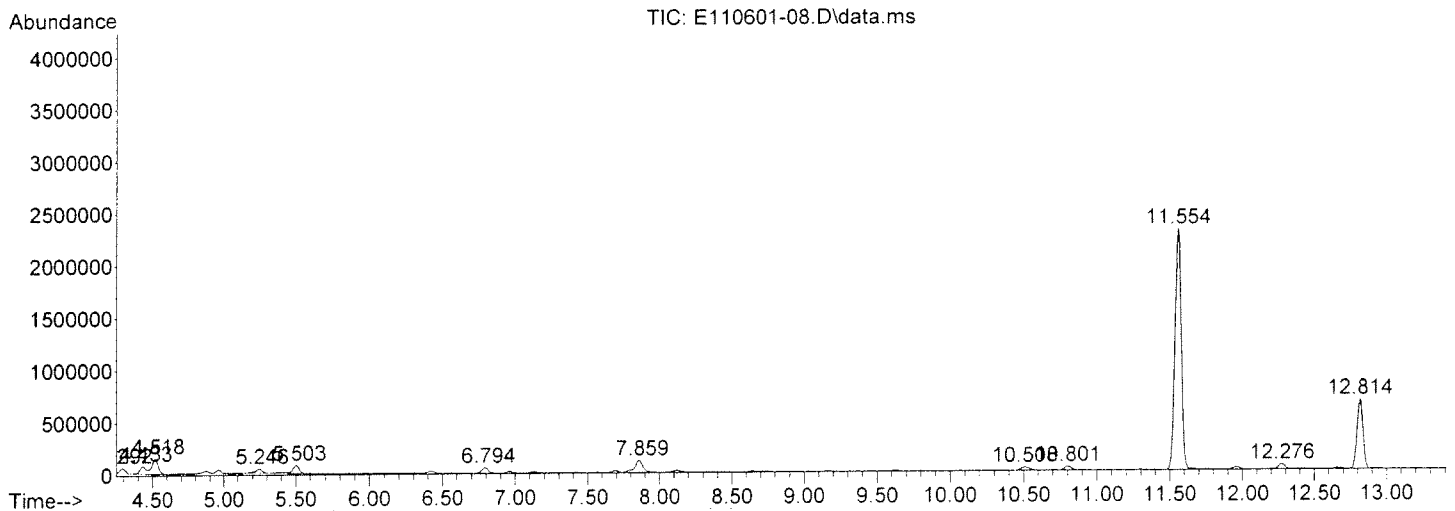
Sum of corrected areas: 38987529

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-08.D
Acq On : 4 Feb 2011 12:31 pm
Operator : FW
Sample : E110601-08
Misc : can2415,500cc,ip=13,fp=30
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-08.D
 Acq On : 4 Feb 2011 12:31 pm
 Operator : FW
 Sample : E110601-08
 Misc : can2415,500cc,ip=13,fp=30
 ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Acetaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.503	2.95 UG/M3 ^{L10}	237422	IS01 Difluorobenzene	12.814

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acetaldehyde	44	C2H4O	000075-07-0	83
2		Ethylene oxide	44	C2H4O	000075-21-8	5
3		Propane	44	C3H8	000074-98-6	4
4		(R)-(-)-2-Amino-1-propanol	75	C3H9NO	035320-23-1	4
5		1-Propanol, 2-amino-, (S)-	75	C3H9NO	002749-11-3	4

 Peak Number 2 1S-.alpha.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.605	4.08 UG/M3 ^{L10}	355494	IS02 Chlorobenzene-D5	17.800

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1S-.alpha.-Pinene	136	C10H16	007785-26-4	95
2		1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
3		.alpha.-Pinene	136	C10H16	000080-56-8	94
4		Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
5		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-08.D
 Acq On : 4 Feb 2011 12:31 pm
 Operator : FW
 Sample : E110601-08
 Misc : can2415,500cc,ip=13,fp=30
 ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
acetaldehyde	5.503	3.0	UG/M3	237422	1	12.814	1917670	23.8
.S-.alpha.-Pinene	19.605	4.1	UG/M3	355494	2	17.800	2080470	23.9

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 07 10:20:49 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:48 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	936744	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	753745	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	296934	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.433	41	46280	0.33 UG/M3#		98 <i>LS 80</i>
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	187044	1.15 UG/M3		98
4) 7017 Freon 114 (Cl2F4E...	4.843	85	7083	0.05 UG/M3#		73
5) 7025 Chloromethane	4.965	50	61903	0.44 UG/M3		99
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	80361	0.60 UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.804	101	21572	0.26 UG/M3		99
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.859	43	195055	1.20 UG/M3		98 <i>LS 80</i>
15) 7024 Isopropanol	8.116	45	37231	0.25 UG/M3		74 <i>LS 80</i>
16) 7052 Carbon Disulfide	8.244	76	6424	0.02 UG/M3#		74
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	8.636	49	9209	0.10 UG/M3		95
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	9.633	57	11699	0.08 UG/M3#		75
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	10.807	72	9505	0.21 UG/M3#		83
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	11.291	83	3228	0.03 UG/M3#		18
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	11.805	56	4736	0.05 UG/M3#		14
33) 7080 Carbon Tetrachloride	11.958	117	23060	0.24 UG/M3		98
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.276	78	82835	0.27 UG/M3		99
36) 7036 Isooctane (2,2,4-...	12.398	57	12508	0.04 UG/M3#		78
37) 7038 Heptane	12.655	43	6814	0.05 UG/M3#		35
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

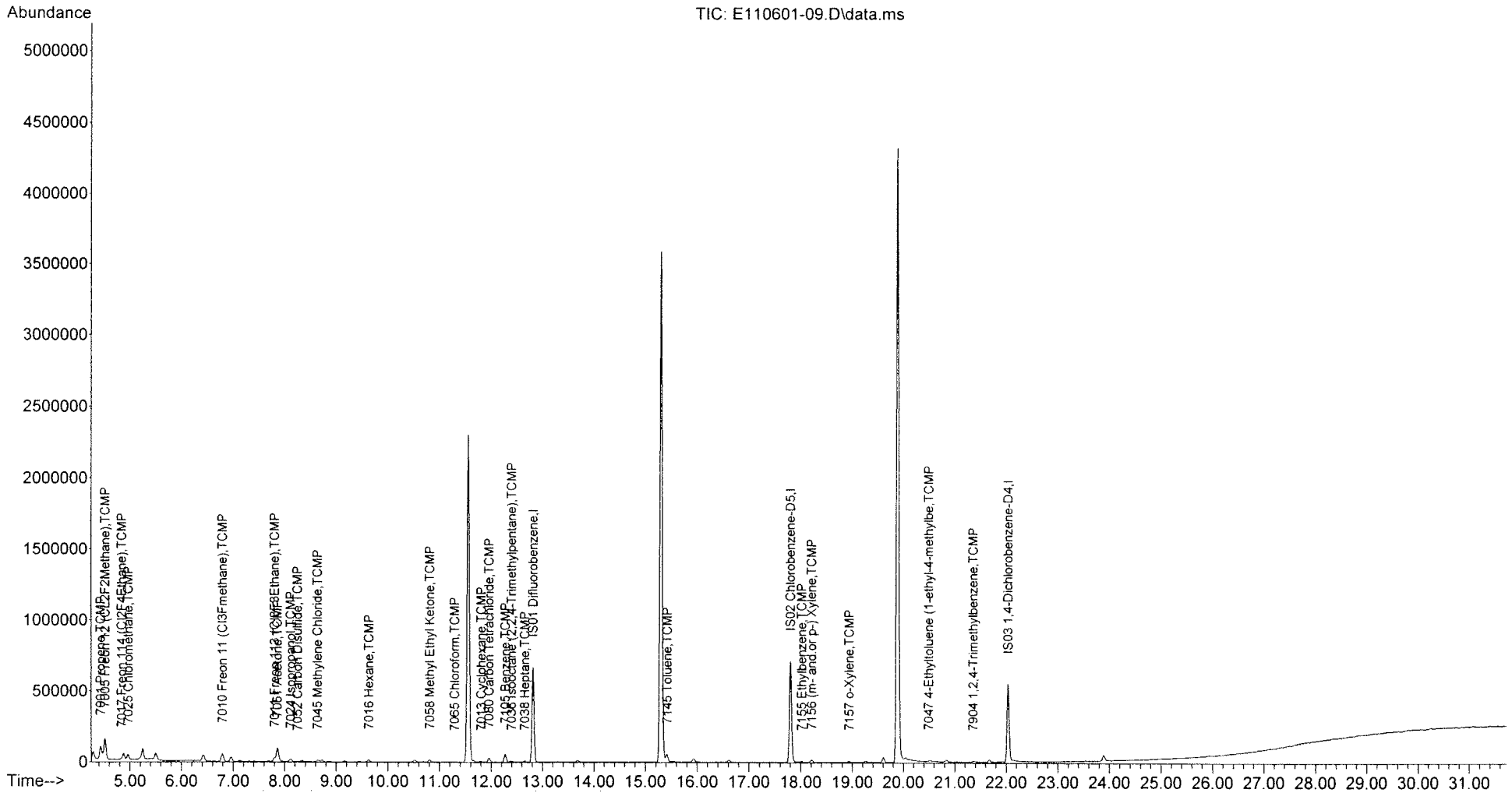
Quant Time: Feb 07 10:20:49 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:48 2011
 Response via : Initial Calibration

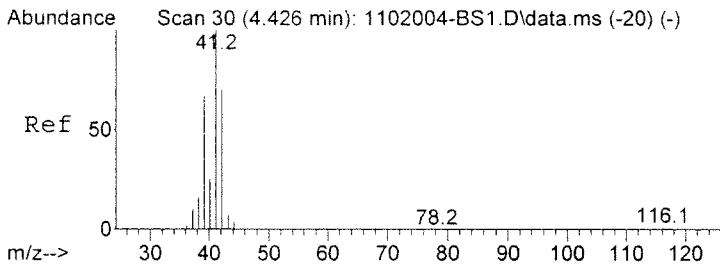
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.420	91	60636	0.21	UG/M3	97
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.020	91	11171	0.04	UG/M3#	48
55) 7156 (m- and.or p-) Xy...	18.210	91	18768	0.08	UG/M3	95
56) 7157 o-Xylene	18.938	91	7359	0.03	UG/M3	93
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	20.492	105	6170	0.02	UG/M3#	41
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	21.354	105	8500	0.04	UG/M3#	29
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

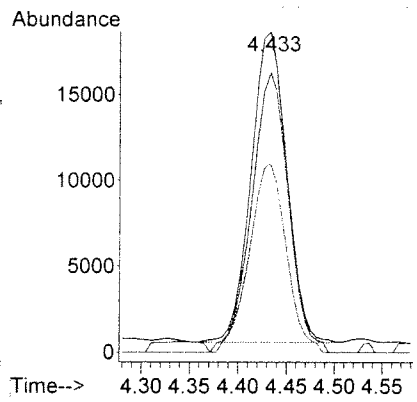
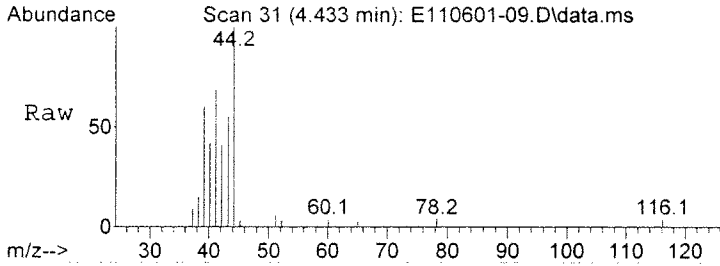
Quant Time: Feb 07 10:20:49 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:20:48 2011
 Response via : Initial Calibration



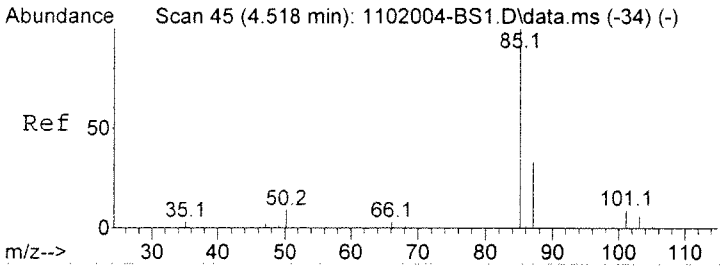
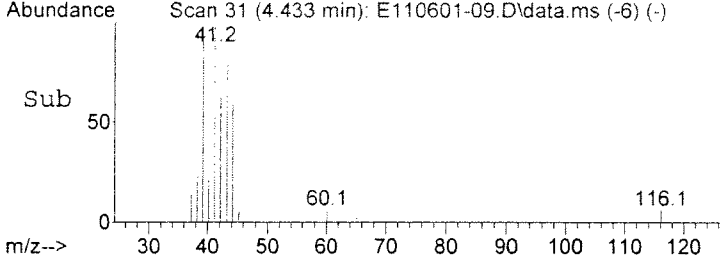


#2
 7001 Propene
 Concen: 0.33 UG/M3
 RT: 4.433 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Ratio	Lower	Upper
41	100		
39	92.9	46.6	86.6#
42	62.6	48.0	88.0

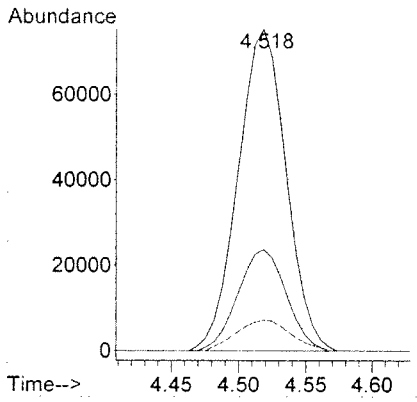
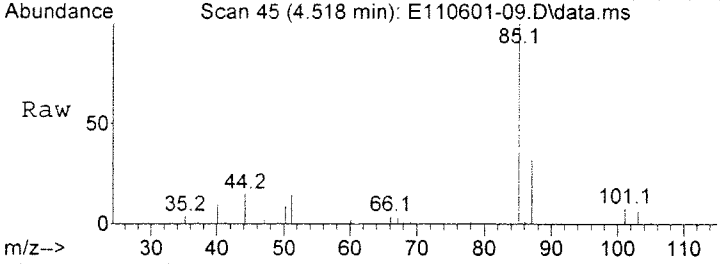


LSx61K

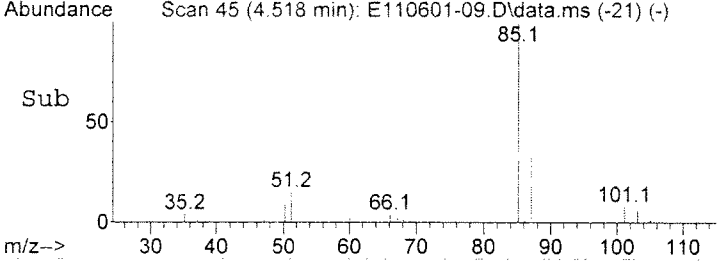


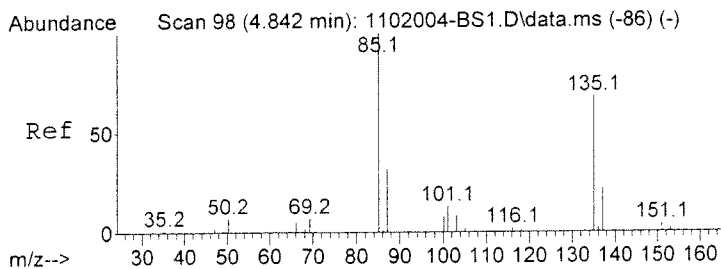
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.15 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	12.7	52.7
50	10.7	0.0	29.4



OK

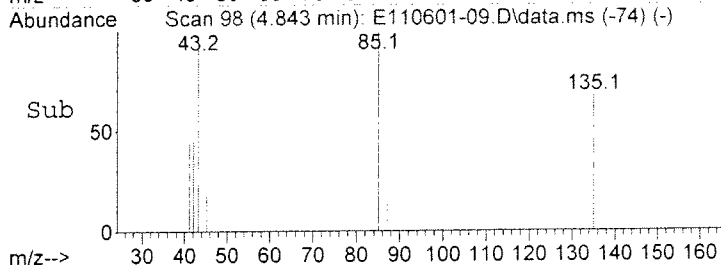
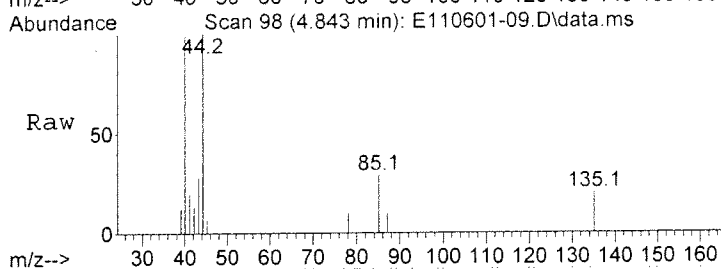
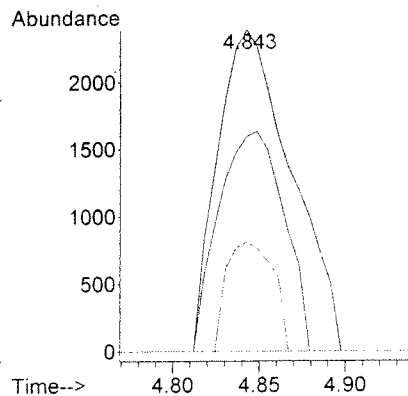




#4
 7017 Freon 114 (Cl2F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.843 min Scan# 98
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
85	100		
135	60.6	50.8	90.8
87	0.0	12.2	52.2#

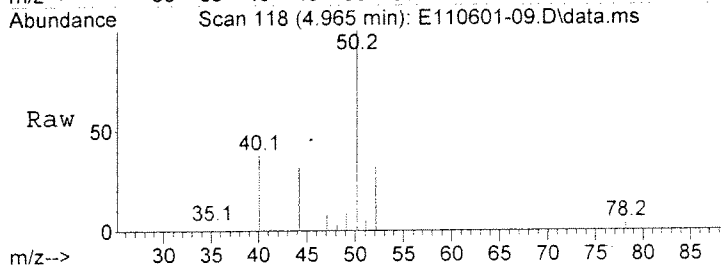
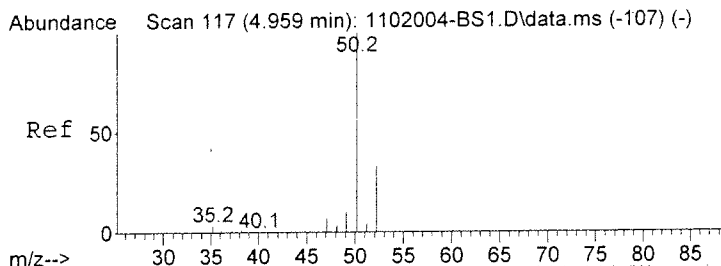
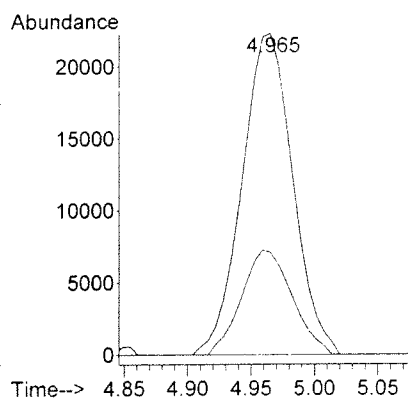
CMPZ

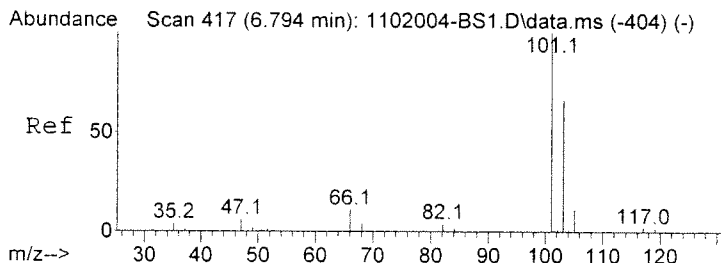


#5
 7025 Chloromethane
 Concen: 0.44 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.4	12.8	52.8

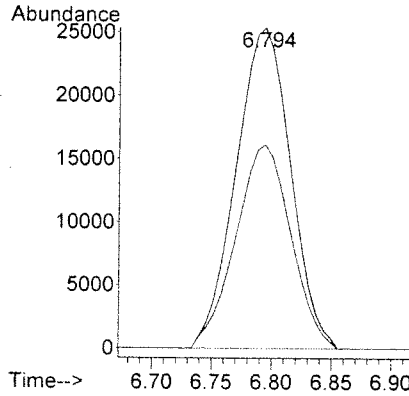
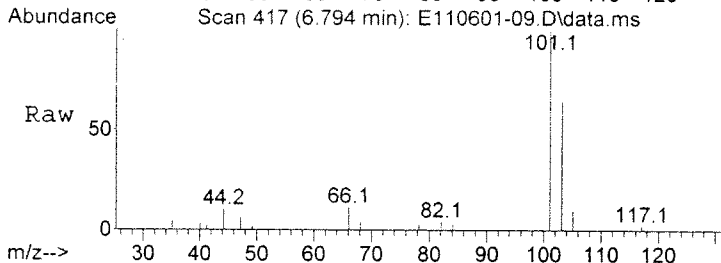
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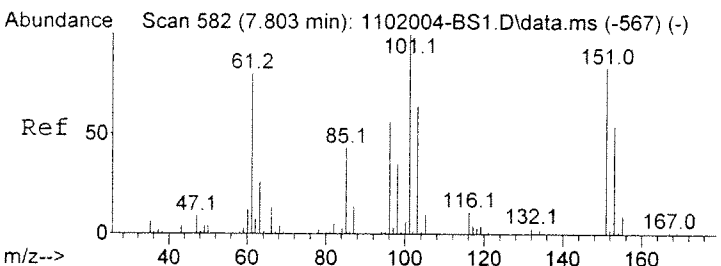
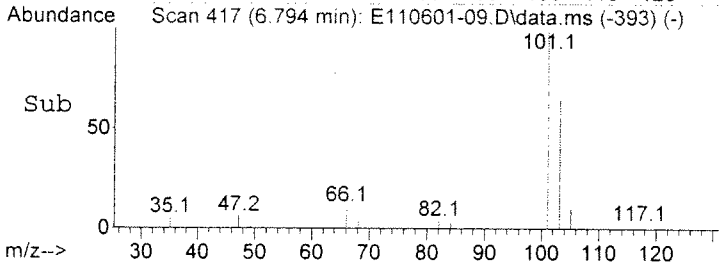


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.60 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
101	80361		
103	64.2	44.7	84.7

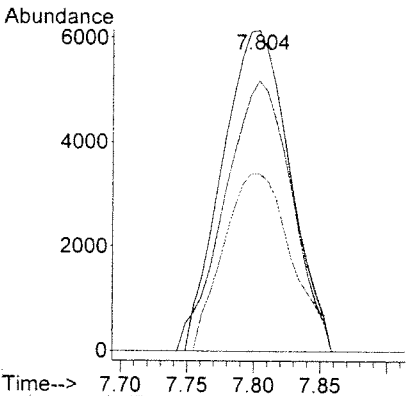
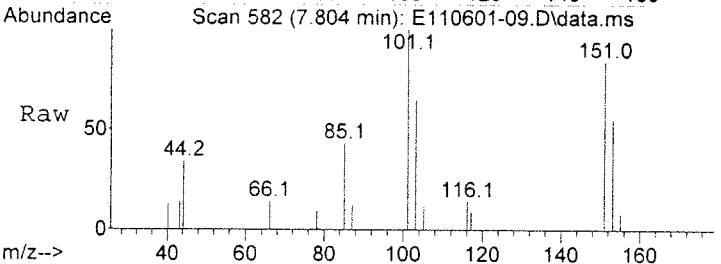


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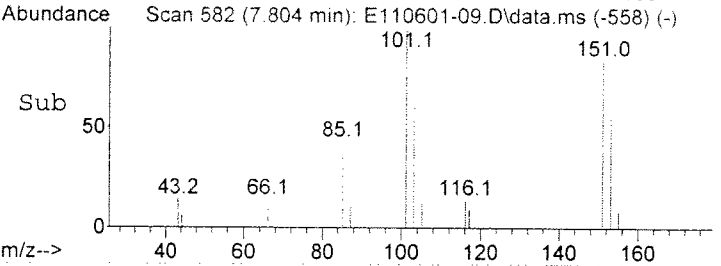


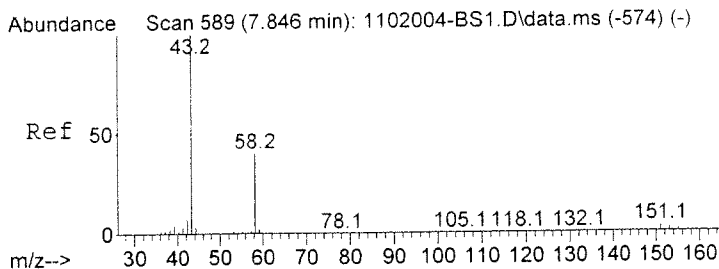
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.26 UG/M3
 RT: 7.804 min Scan# 582
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
101	21572		
151	83.5	64.5	104.5
153	55.3	34.1	74.1



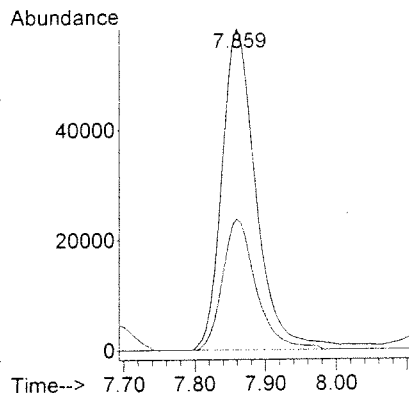
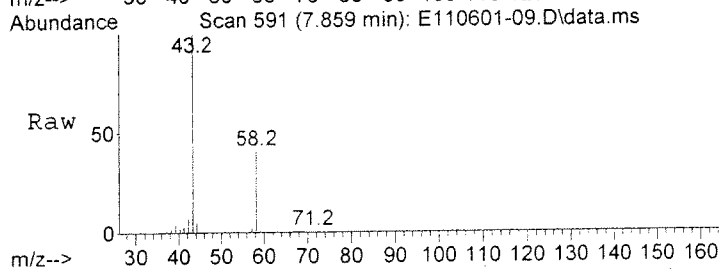
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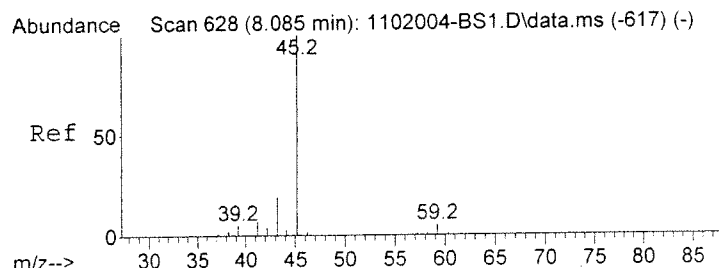
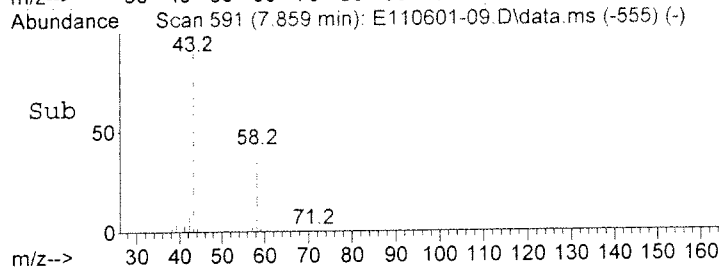


#14
 7051 Acetone
 Concen: 1.20 UG/M3
 RT: 7.859 min Scan# 591
 Delta R.T. 0.019 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
43	195055		
58	40.0	19.9	59.9

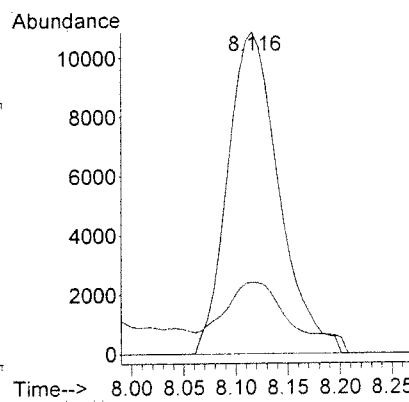
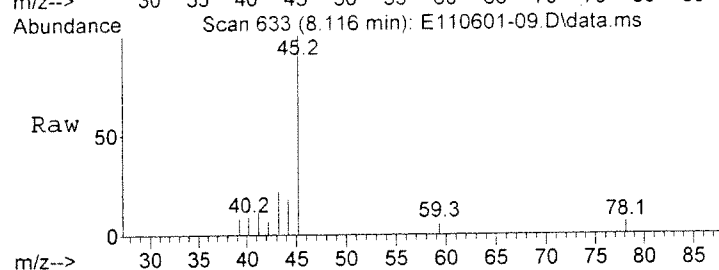


OK

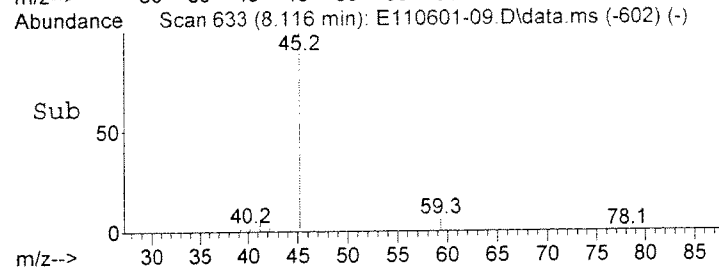


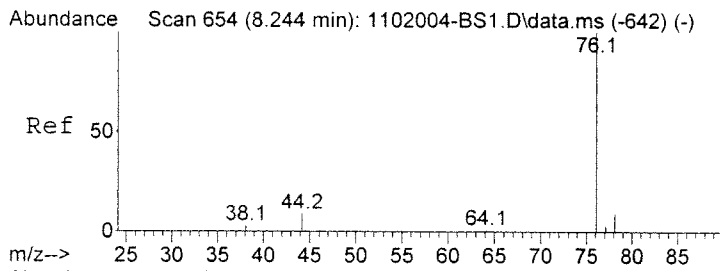
#15
 7024 Isopropanol
 Concen: 0.23 UG/M3
 RT: 8.116 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
45	37231		
43	30.1	0.0	37.4



25x 61K

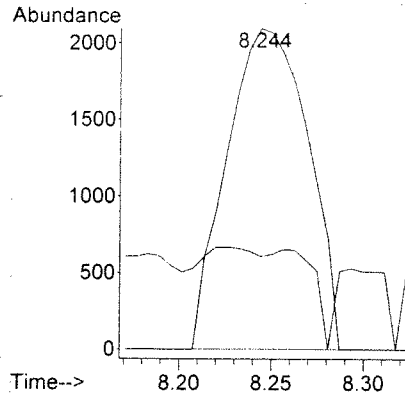
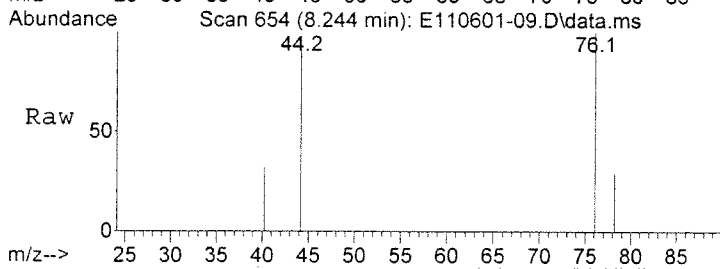




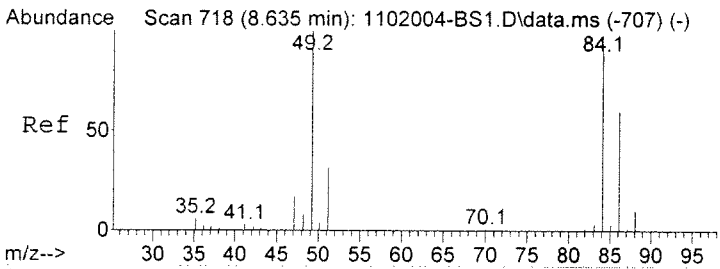
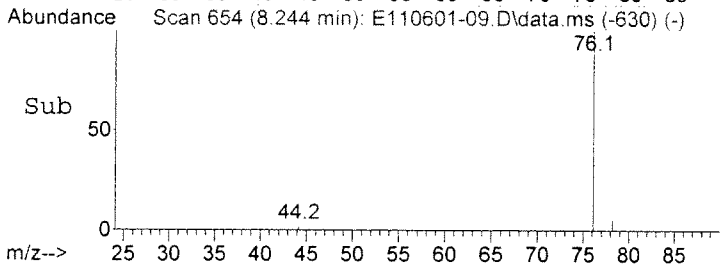
#16
 7052 Carbon Disulfide
 Concen: 0.02 UG/M3
 RT: 8.244 min Scan# 654
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion: 76 Resp: 6424

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	29.3



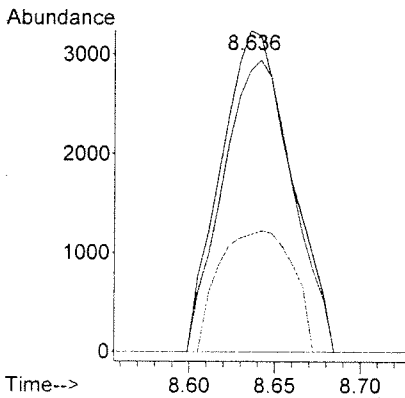
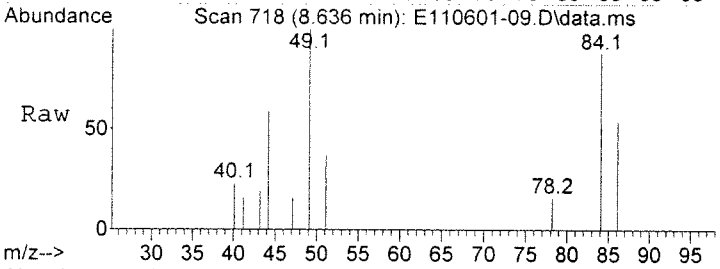
CMDX



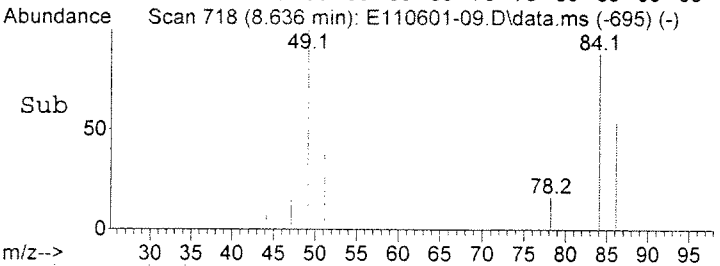
#18
 7045 Methylene Chloride
 Concen: 0.10 UG/M3
 RT: 8.636 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

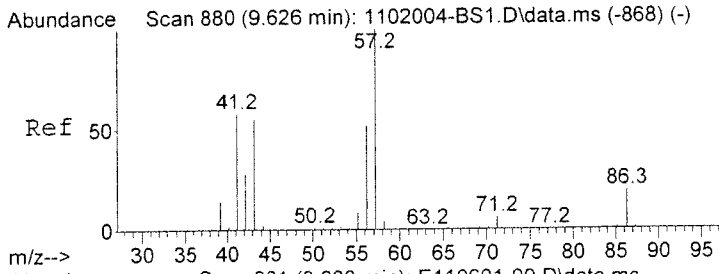
Tgt Ion: 49 Resp: 9209

Ion	Ratio	Lower	Upper
49	100		
84	90.9	72.8	112.8
51	39.6	11.5	51.5



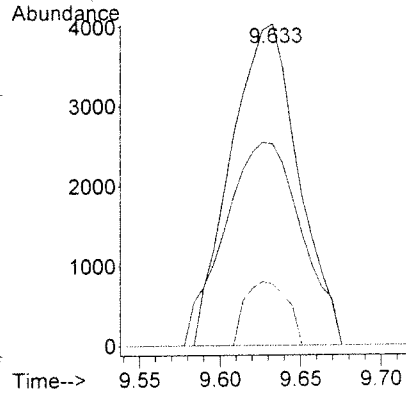
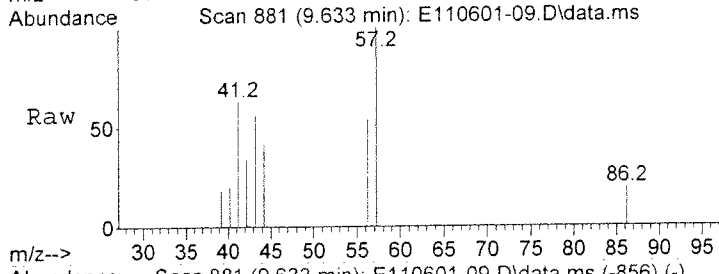
OK



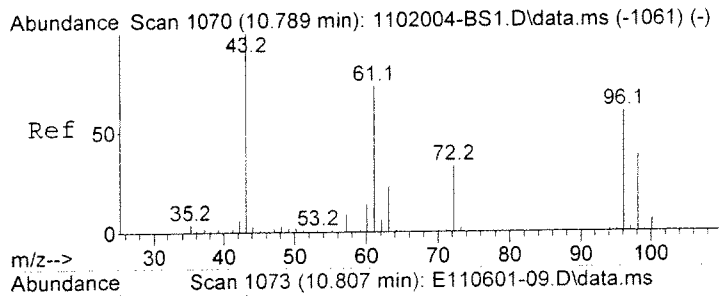
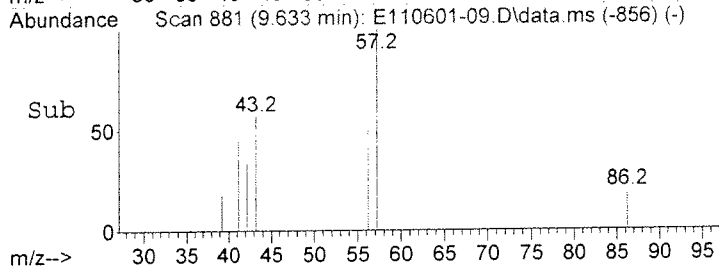


#22
 7016 Hexane
 Concen: 0.08 UG/M3
 RT: 9.633 min Scan# 881
 Delta R.T. 0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
57	11699		
41	72.5	37.9	77.9
86	0.0	0.0	39.0

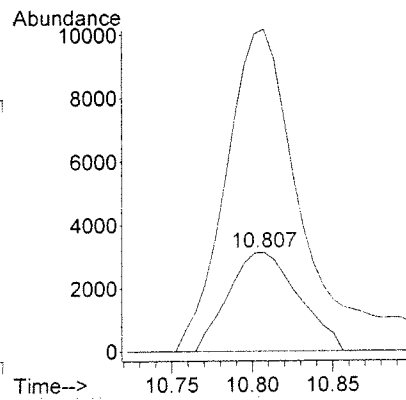
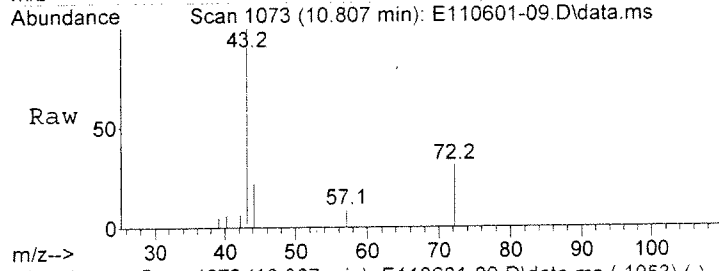


OK

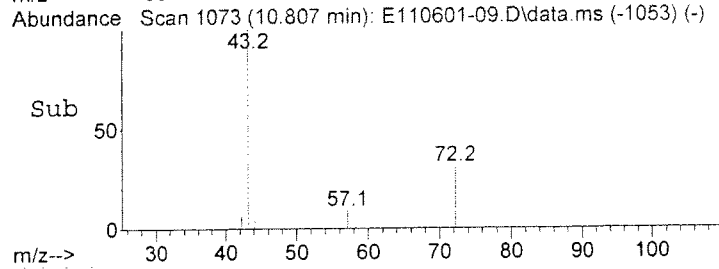


#25
 7058 Methyl Ethyl Ketone
 Concen: 0.21 UG/M3
 RT: 10.807 min Scan# 1073
 Delta R.T. 0.025 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

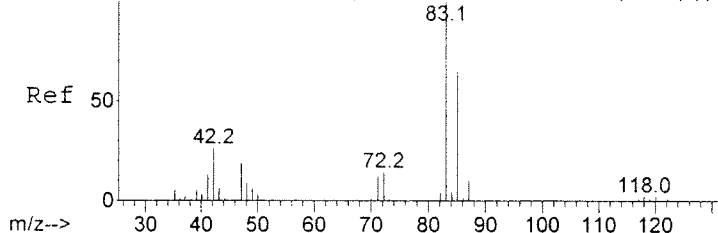
Tgt Ion	Resp	Lower	Upper
72	9505		
72	100		
43	340.3	287.4	327.4#



OK

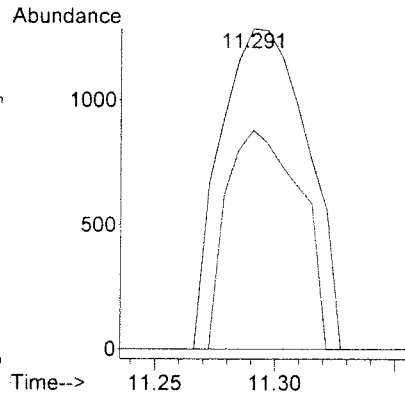
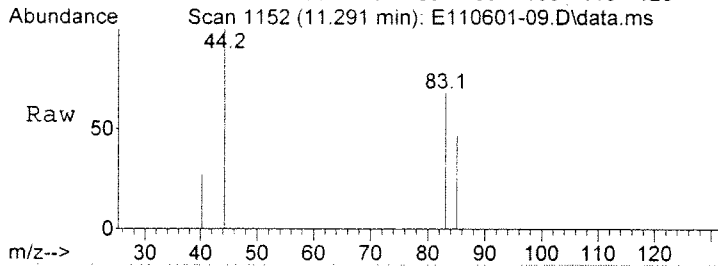


Abundance Scan 1153 (11.297 min): 1102004-BS1.D\data.ms (-1141) (-)

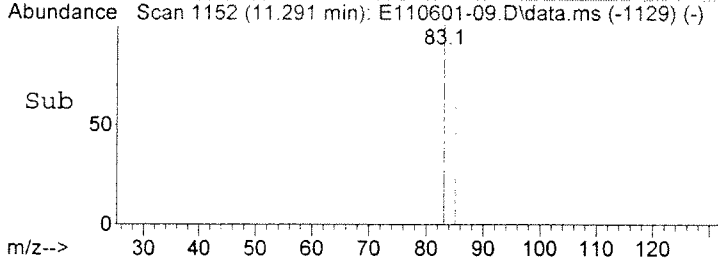


#28
7065 Chloroform
Concen: 0.03 UG/M3
RT: 11.291 min Scan# 1152
Delta R.T. -0.006 min
Lab File: E110601-09.D
Acq: 4 Feb 2011 1:20 pm

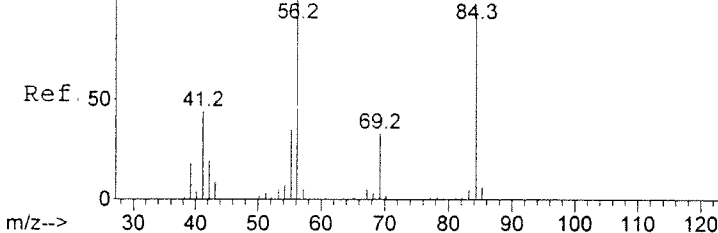
Tgt Ion: 83 Resp: 3228
Ion Ratio Lower Upper
83 100
85 0.0 45.1 85.1#



CMDL

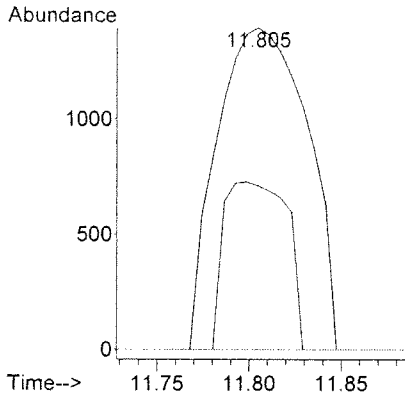
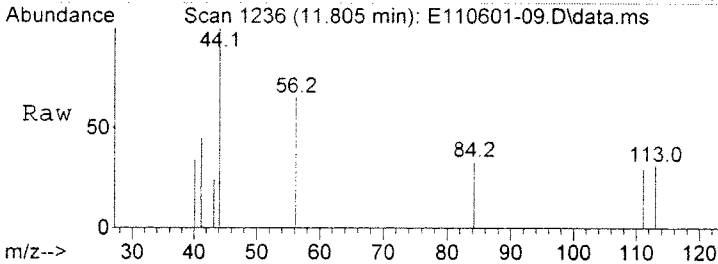


Abundance Scan 1236 (11.804 min): 1102004-BS1.D\data.ms (-1223) (-)

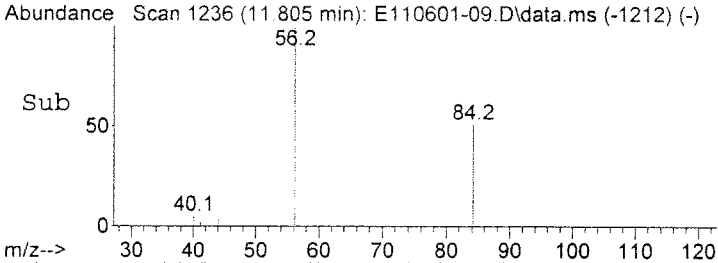


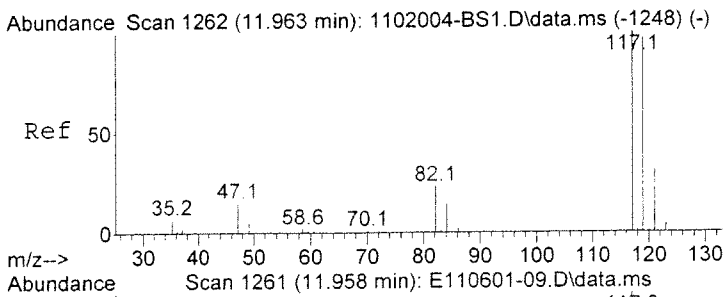
#32
7013 Cyclohexane
Concen: 0.03 UG/M3
RT: 11.805 min Scan# 1236
Delta R.T. 0.000 min
Lab File: E110601-09.D
Acq: 4 Feb 2011 1:20 pm

Tgt Ion: 56 Resp: 4736
Ion Ratio Lower Upper
56 100
84 0.0 71.4 111.4#
69 0.0 13.2 53.2#



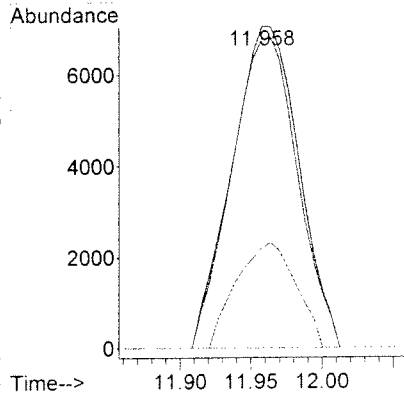
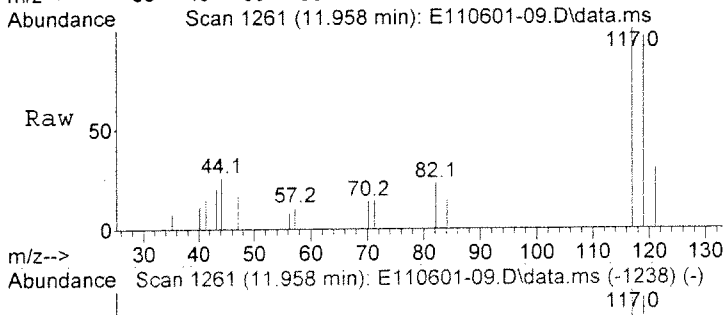
CMDL



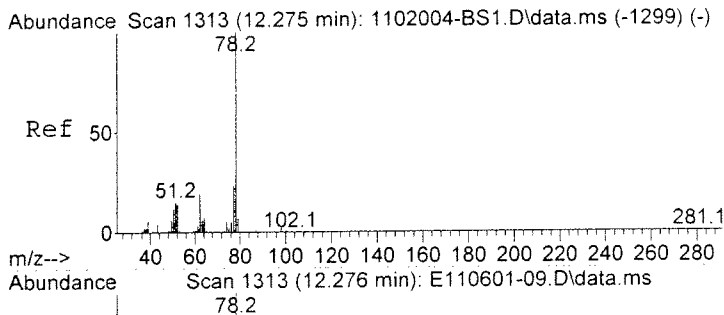
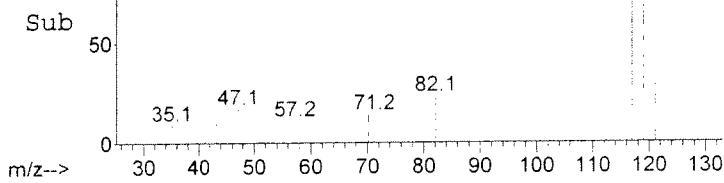


#33
 7080 Carbon Tetrachloride
 Concen: 0.24 UG/M3
 RT: 11.958 min Scan# 1261
 Delta R.T. -0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.4	116.4
121	29.1	11.2	51.2

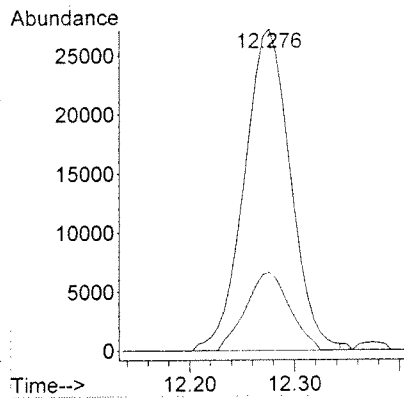
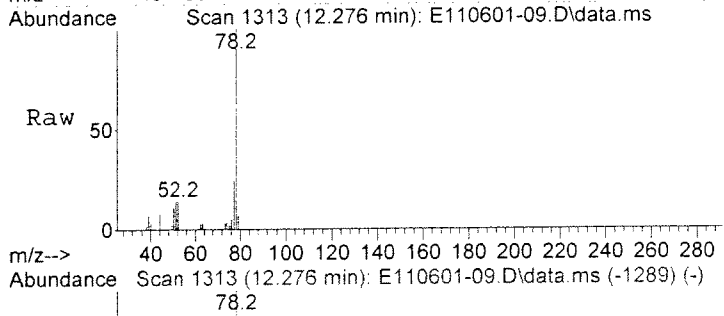


OK

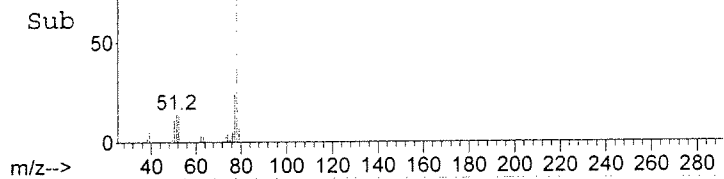


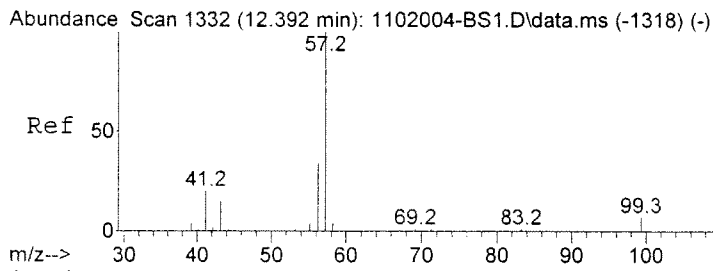
#35
 7105 Benzene
 Concen: 0.27 UG/M3
 RT: 12.276 min Scan# 1313
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	2.8	42.8



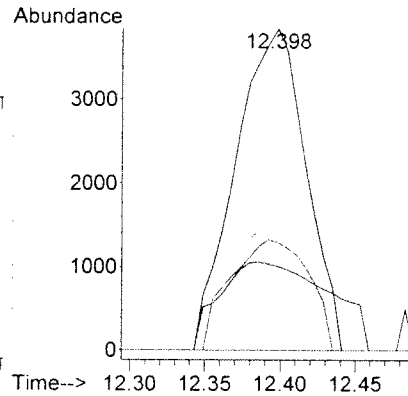
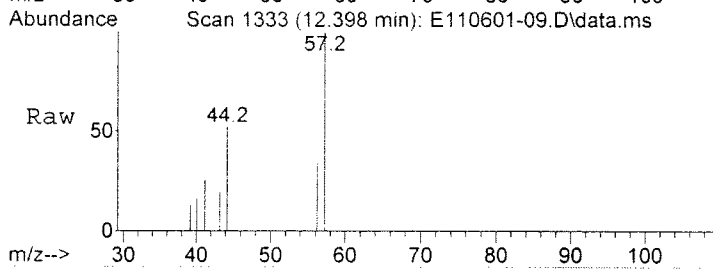
OK



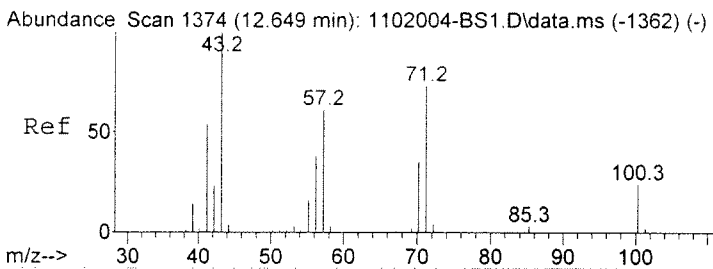
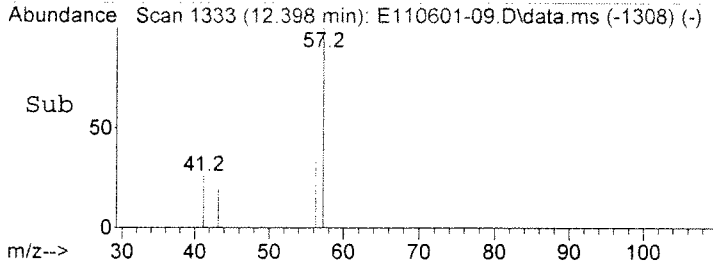


#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.04 UG/M3
 RT: 12.398 min Scan# 1333
 Delta R.T. 0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
57	12508		
41	40.7	0.3	40.3#
56	38.2	13.3	53.3

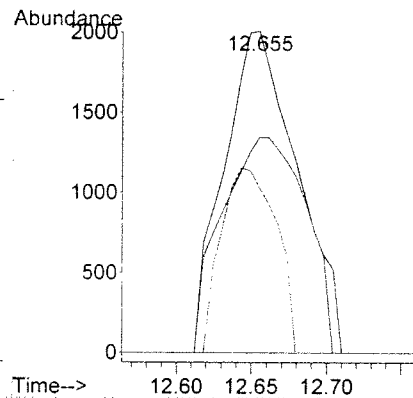
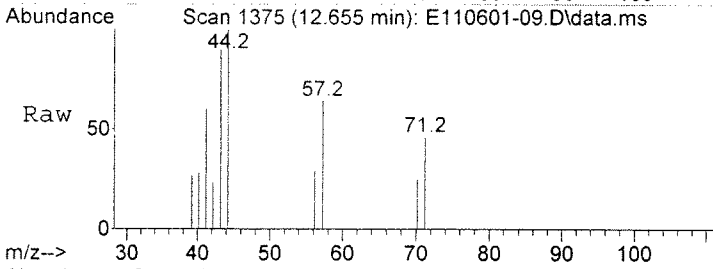


LMDL

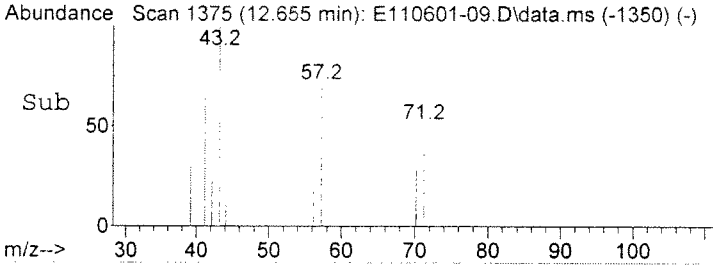


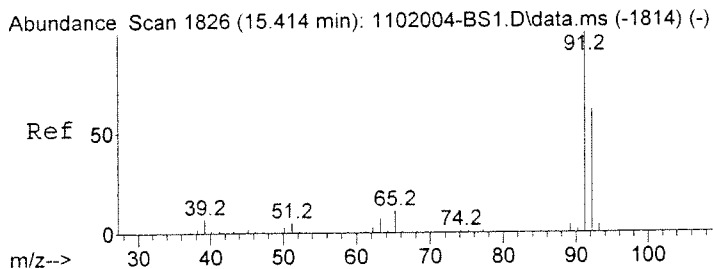
#37
 7038 Heptane
 Concen: 0.05 UG/M3
 RT: 12.655 min Scan# 1375
 Delta R.T. 0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
43	6814		
41	76.4	32.7	72.7#
71	0.0	54.2	94.2#



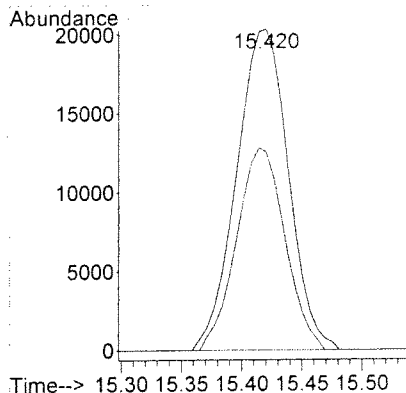
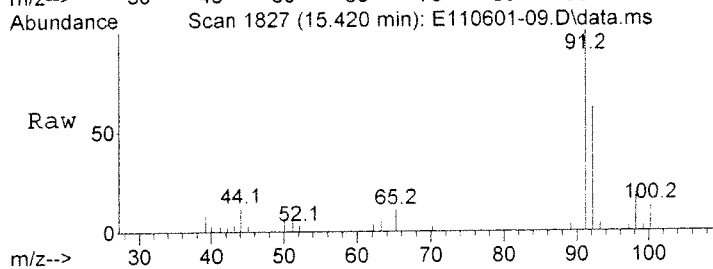
LMDL



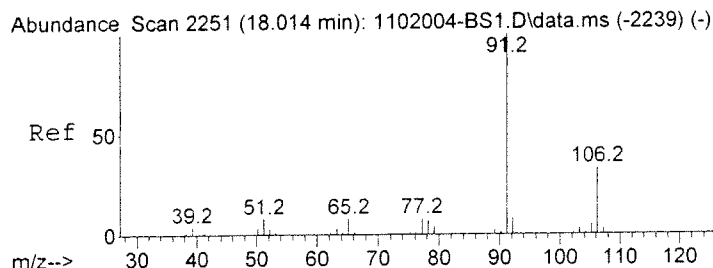
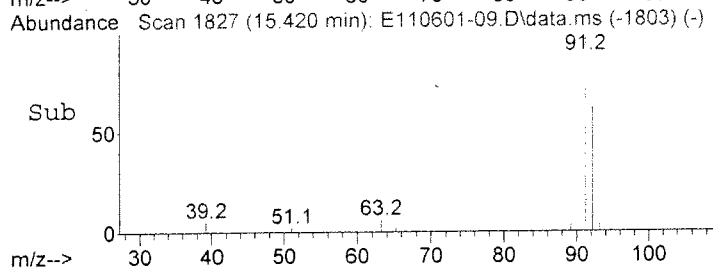


#46
 7145 Toluene
 Concen: 0.21 UG/M3
 RT: 15.420 min Scan# 1827
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
91	60636		
92	58.9	41.1	81.1

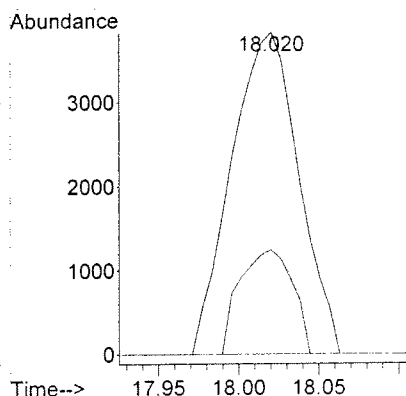
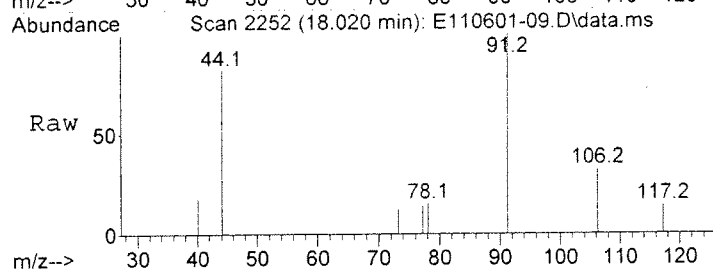


OK

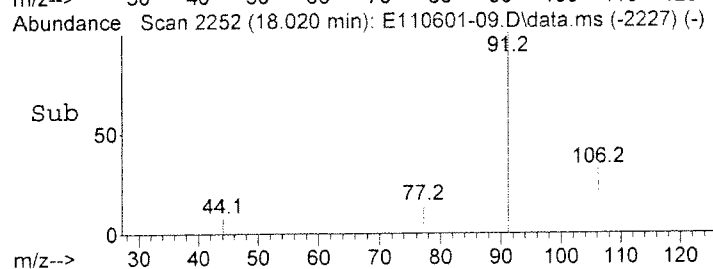


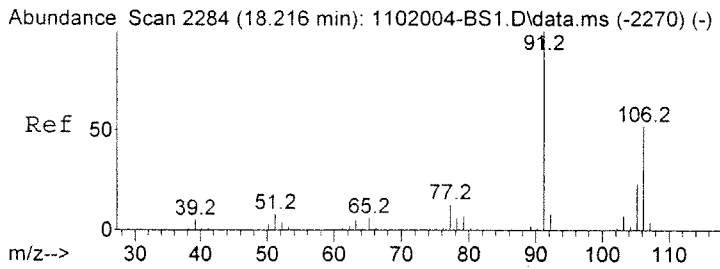
#54
 7155 Ethylbenzene
 Concen: 0.04 UG/M3
 RT: 18.020 min Scan# 2252
 Delta R.T. 0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
91	11171		
106	0.0	13.2	53.2#
51	0.0	0.0	28.1



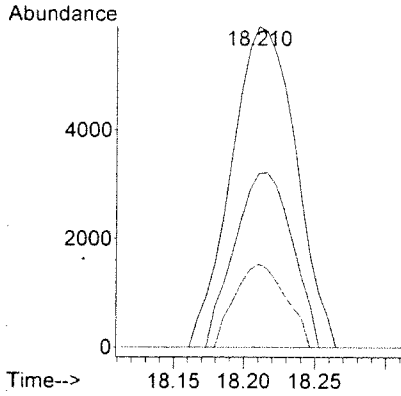
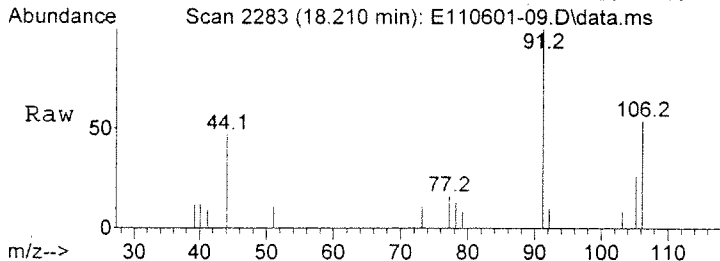
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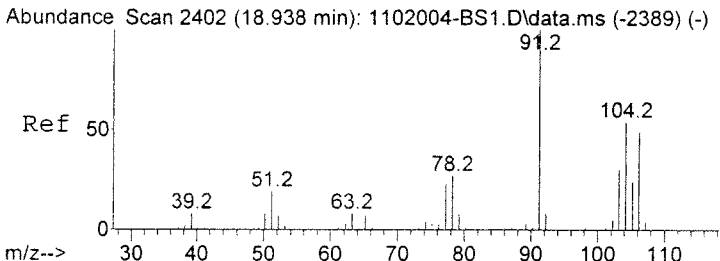
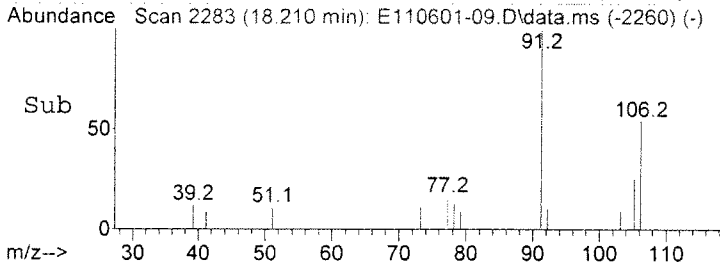


#55
 7156 (m- and/or p-) Xylene
 Concen: 0.08 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
91	18768		
106	48.5	32.5	72.5
105	20.4	2.9	42.9

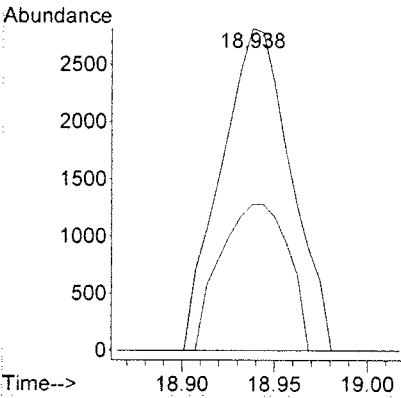
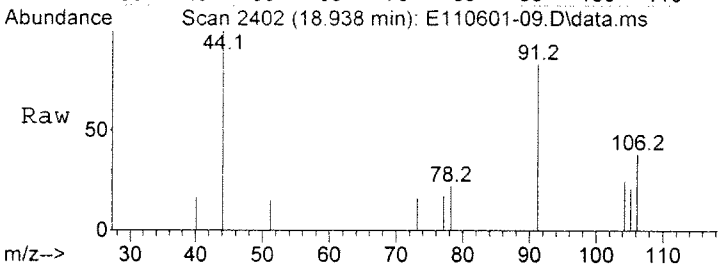


MDL

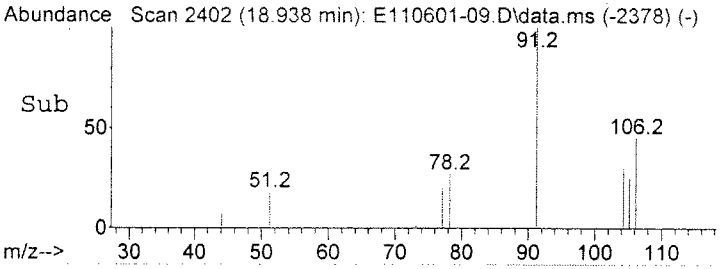


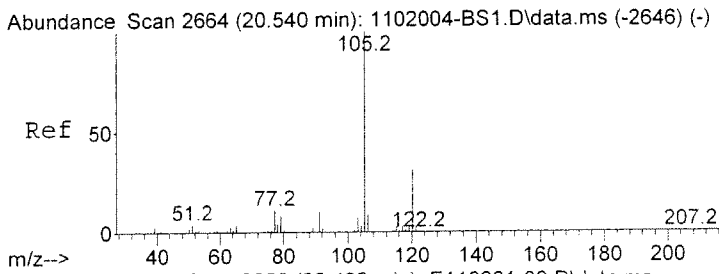
#56
 7157 o-Xylene
 Concen: 0.03 UG/M3
 RT: 18.938 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion	Resp	Lower	Upper
91	7359		
106	44.2	29.1	69.1



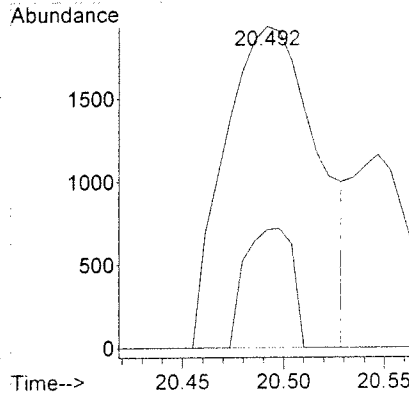
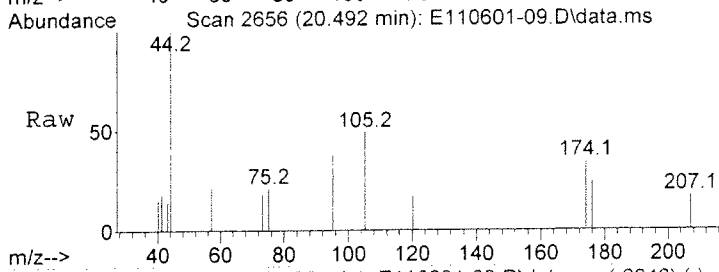
MDL



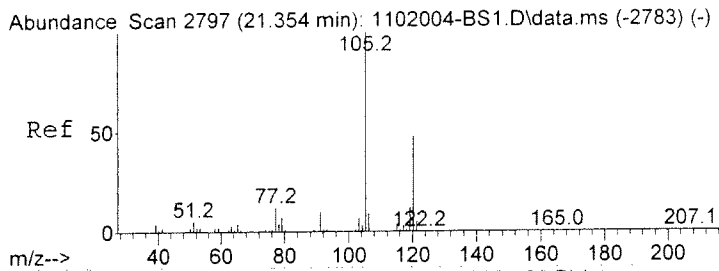
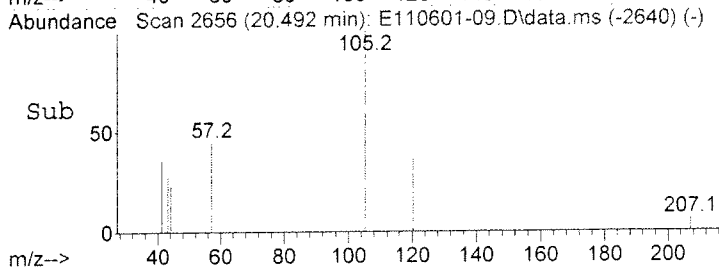


#62
 7047 4-Ethyltoluene (1-ethyl-4-methylbe
 Concen: 0.02 UG/M3
 RT: 20.492 min Scan# 2656
 Delta R.T. -0.049 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion:105 Resp: 6170
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.3 53.3#

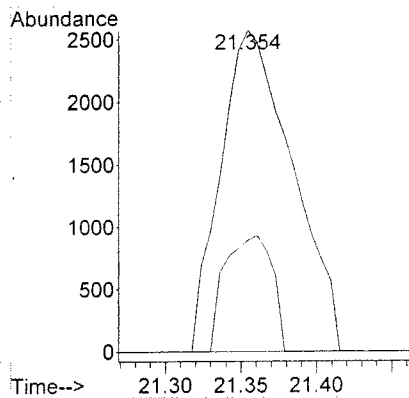
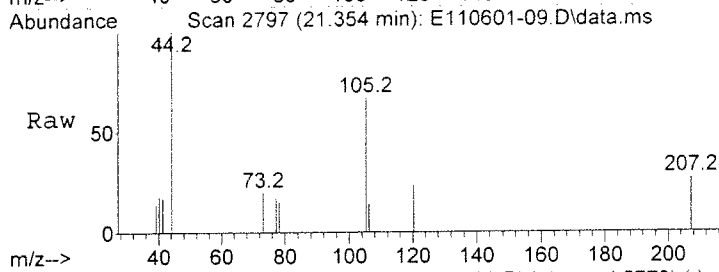


LMDL

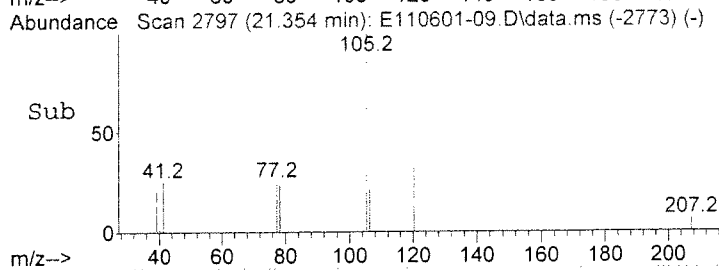


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.04 UG/M3
 RT: 21.354 min Scan# 2797
 Delta R.T. 0.000 min
 Lab File: E110601-09.D
 Acq: 4 Feb 2011 1:20 pm

Tgt Ion:105 Resp: 8500
 Ion Ratio Lower Upper
 105 100
 120 0.0 28.1 68.1#



LMDL



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-09.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	21	rVB	51083	127410	1.01%	0.328%
2	4.433	21	31	38	rVV2	92657	285479	2.26%	0.736%
3	4.518	38	45	61	rVB2	145397	429419	3.40%	1.106%
4	4.879	87	104	111	rBV2	42832	136400	1.08%	0.351%
5	5.246	143	164	178	rBV	77224	259486	2.06%	0.669%
6	5.503	195	206	219	rVB2	50112	171999	1.36%	0.443%
7	6.421	345	356	368	rVB	40810	137743	1.09%	0.355%
8	6.794	403	417	428	rVB	54658	176444	1.40%	0.455%
9	7.859	572	591	612	rBV	96249	404721	3.21%	1.043%
10	11.554	1181	1195	1226	rBV	2302077	7050745	55.90%	18.165%
11	12.276	1300	1313	1324	rBV	55206	164973	1.31%	0.425%
12	12.814	1387	1401	1418	rBV	665260	1940713	15.39%	5.000%
13	15.304	1795	1808	1821	rBV2	3587407	10830215	85.86%	27.903%
14	15.414	1821	1826	1841	rVB	51994	157463	1.25%	0.406%
15	17.800	2201	2216	2241	rBV	709928	2081020	16.50%	5.361%
16	19.886	2542	2557	2577	rBV	4324065	12613841	100.00%	32.498%
17	22.033	2897	2908	2939	rBV	547176	1691925	13.41%	4.359%
18	23.887	3196	3211	3224	rBV3	42361	154278	1.22%	0.397%

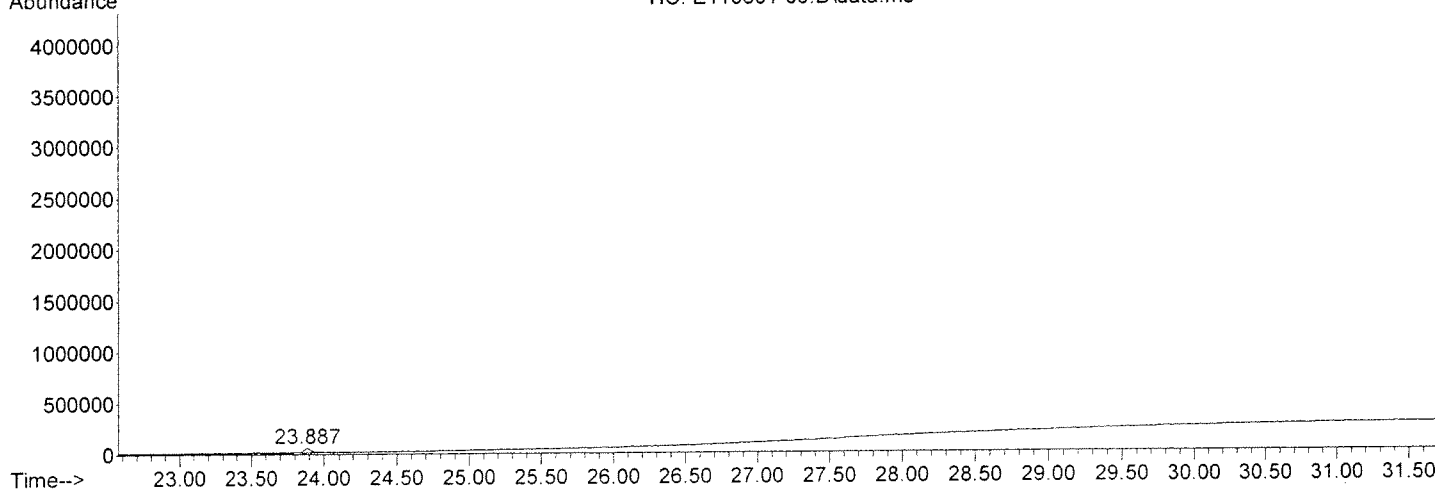
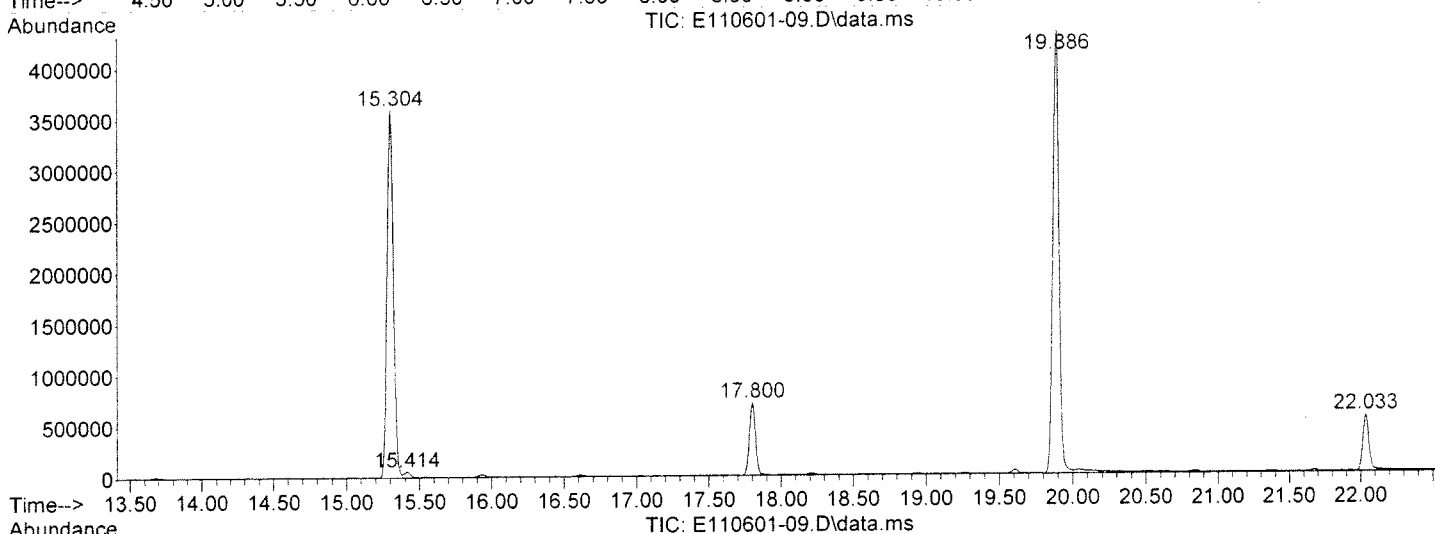
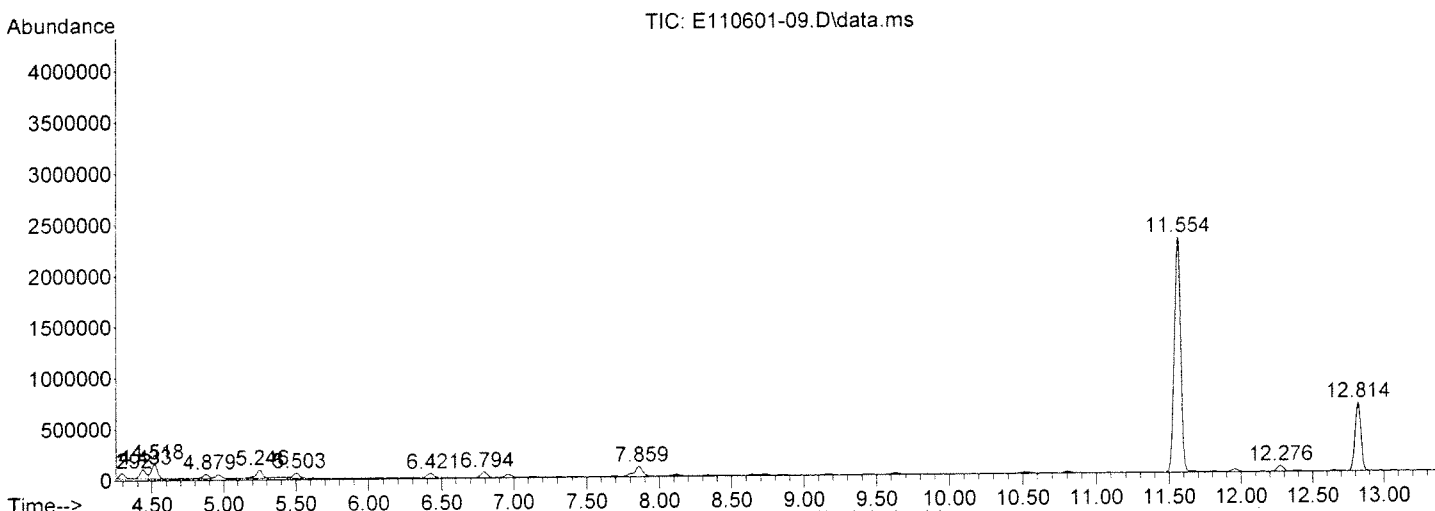
Sum of corrected areas: 38814274

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-09.D
Acq On : 4 Feb 2011 1:20 pm
Operator : FW
Sample : E110601-09
Misc : can2779,500cc,ip=13.1,fp=30
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Butane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.246	3.18 UG/M3 ¹⁰	259486	IS01 Difluorobenzene	12.814

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane	58	C4H10	000106-97-8	64
2		Pentane	72	C5H12	000109-66-0	9
3		2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
4		Butanenitrile, 3-methyl-	83	C5H9N	000625-28-5	4
5		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	4

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-09.D
 Acq On : 4 Feb 2011 1:20 pm
 Operator : FW
 Sample : E110601-09
 Misc : can2779,500cc,ip=13.1,fp=30
 ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
butane	5.246	3.2	UG/M3	259486	1	12.814	1940710	23.8

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-10.D
 Acq On : 4 Feb 2011 2:09 pm
 Operator : FW
 Sample : E110601-10
 Misc : can2772,500cc,ip=14.5,fp=30
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 07 09:29:00 2011
 Quant Title :
 QLast Update : Fri Feb 04 05:20:48 2011
 Response via : Initial Calibration

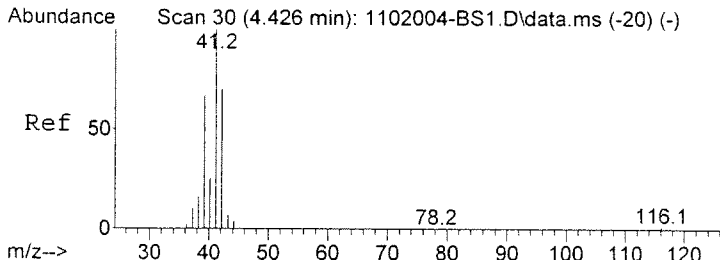
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) IS01 Difluorobenzene	12.814	114	930819	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	753276	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	306611	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
2) 7001 Propene	4.432	41	37722	0.27	UG/M3#		150061K
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	187786	1.16	UG/M3	99	
4) 7017 Freon 114 (Cl2F4E...	4.848	85	6504	0.05	UG/M3#	78	
5) 7025 Chloromethane	4.959	50	57729	0.41	UG/M3	98	
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	79787	0.60	UG/M3	97	
12) 7011 Freon 113 (Cl3F3E...	7.803	101	22244	0.26	UG/M3	96	
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.864	43	118753	0.73	UG/M3		150061K
15) 7024 Isopropanol	8.115	45	38327	0.23	UG/M3		150061K
16) 7052 Carbon Disulfide	8.244	76	3150	0.01	UG/M3#	74	
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	8.635	49	8935	0.10	UG/M3	91	
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	9.626	57	6214	0.04	UG/M3#	68	
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	10.807	72	4654	0.10	UG/M3#	57	
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	11.290	83	3199	0.03	UG/M3#	18	
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	11.957	117	23277	0.24	UG/M3	97	
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.275	78	52532	0.17	UG/M3	100	
36) 7036 Isooctane (2,2,4-...	12.398	57	5264	0.02	UG/M3#	47	
37) 7038 Heptane	12.661	43	3966	0.03	UG/M3#	31	
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.			

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-10.D
 Acq On : 4 Feb 2011 2:09 pm
 Operator : FW
 Sample : E110601-10
 Misc : can2772,500cc,ip=14.5,fp=30
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 07 09:29:00 2011
 Quant Title :
 QLast Update : Fri Feb 04 05:20:48 2011
 Response via : Initial Calibration

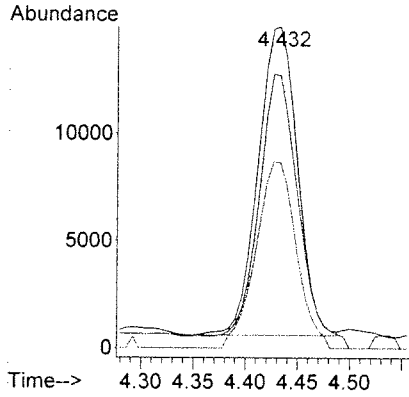
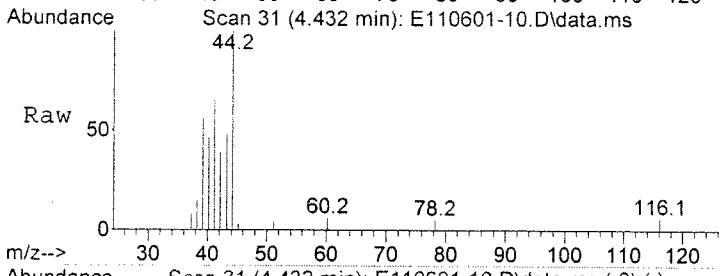
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 7145 Toluene	15.420	91	23681	0.08	UG/M3	100 <i>20x b1K</i>
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.008	91	3888	0.01	UG/M3#	48
55) 7156 (m- and.or p-) Xy...	18.210	91	4895	0.02	UG/M3#	34
56) 7157 o-Xylene	0.000		0	N.D.		
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	0.000		0	N.D.		
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

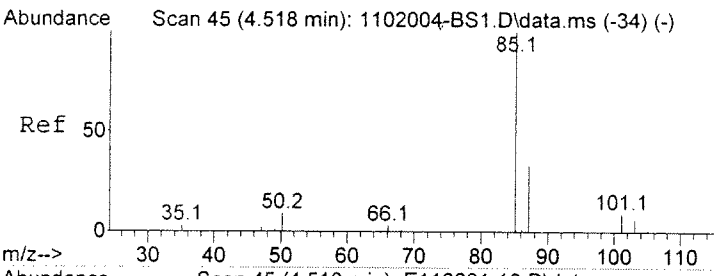
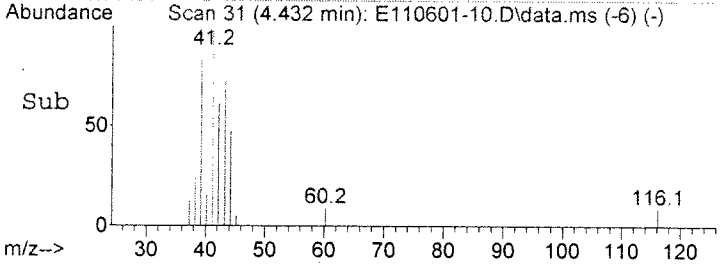


#2
 7001 Propene
 Concen: 0.27 UG/M3
 RT: 4.432 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Ratio	Lower	Upper
41	100		
39	92.6	46.6	86.6#
42	61.7	48.0	88.0

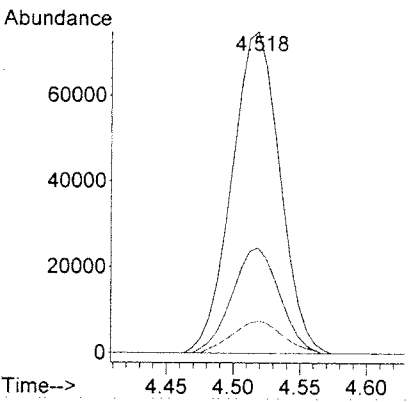
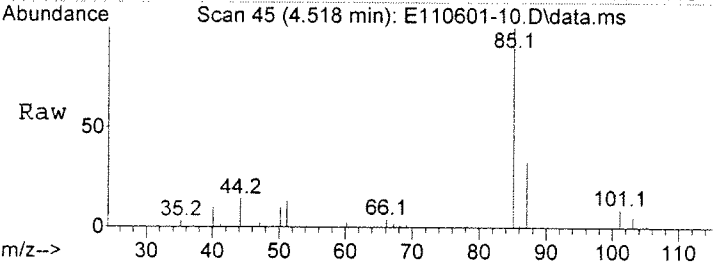


OK
15x bix

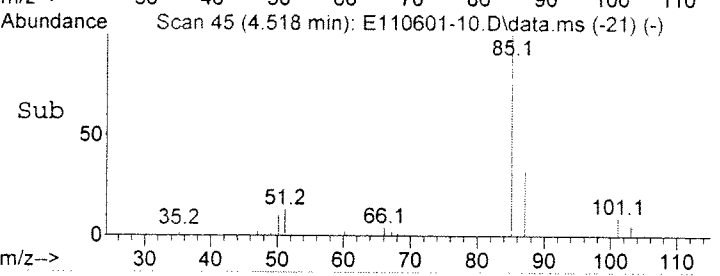


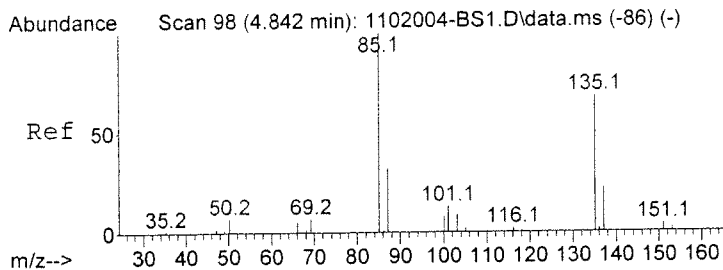
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.16 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.7	52.7
50	10.6	0.0	29.4



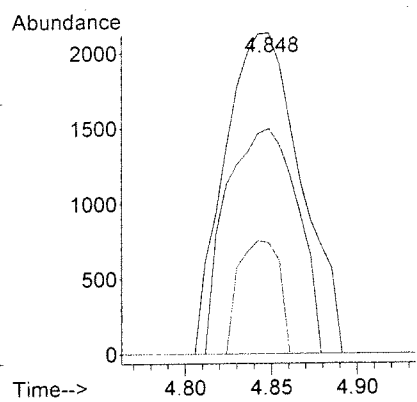
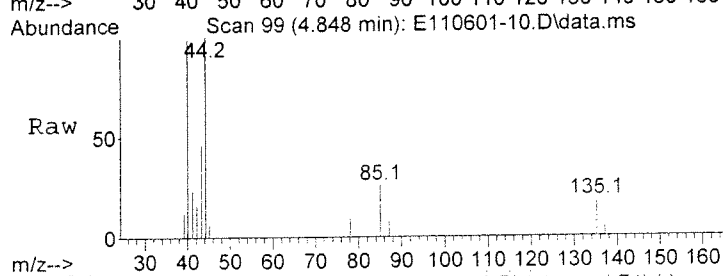
OK



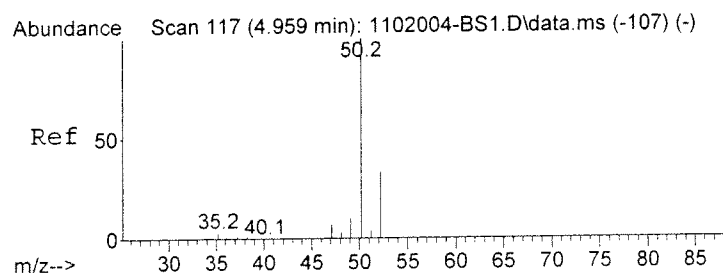
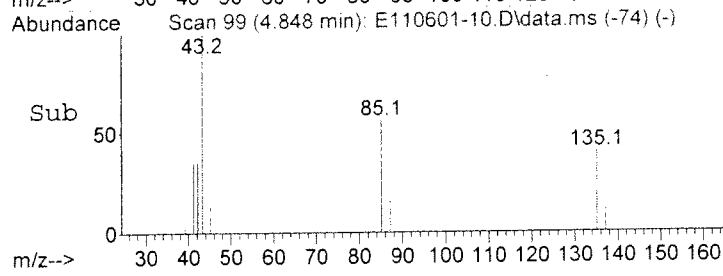


#4
 7017 Freon 114 (Cl2F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.848 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Ratio	Lower	Upper
85	100		
135	65.7	50.8	90.8
87	0.0	12.2	52.2#

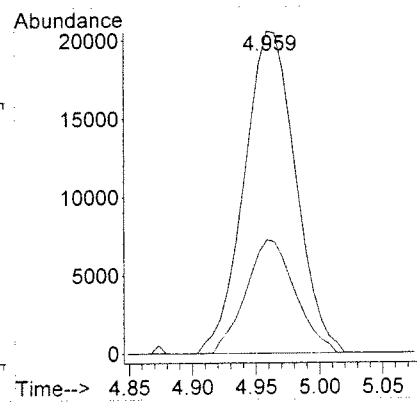
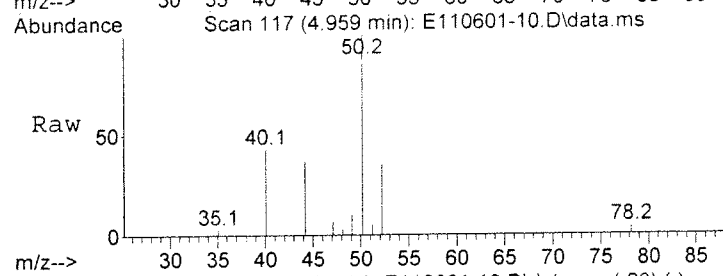


CMDL

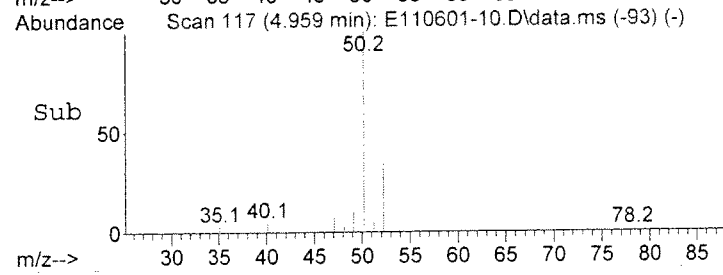


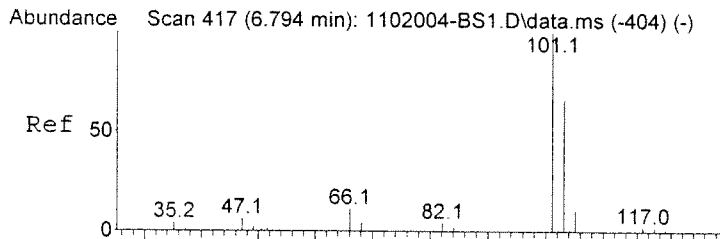
#5
 7025 Chloromethane
 Concen: 0.41 UG/M3
 RT: 4.959 min Scan# 117
 Delta R.T. -0.000 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.7	12.8	52.8



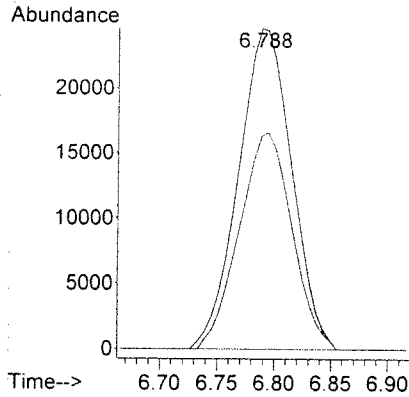
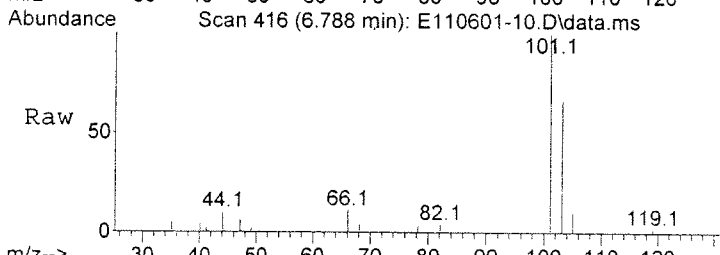
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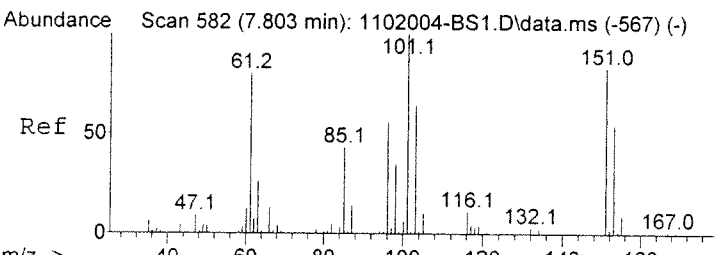
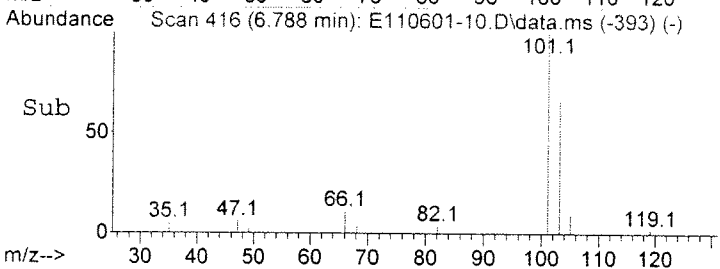


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.60 UG/M3
 RT: 6.788 min Scan# 416
 Delta R.T. -0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
101	100		
103	66.7	44.7	84.7

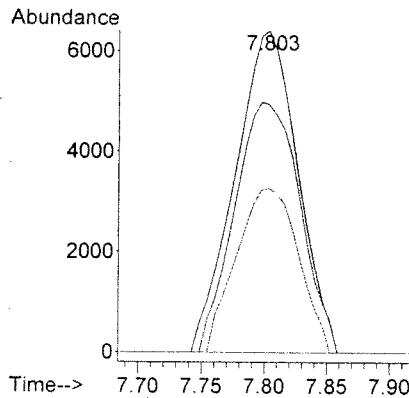
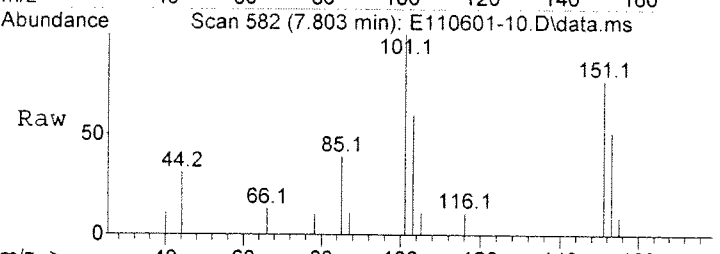


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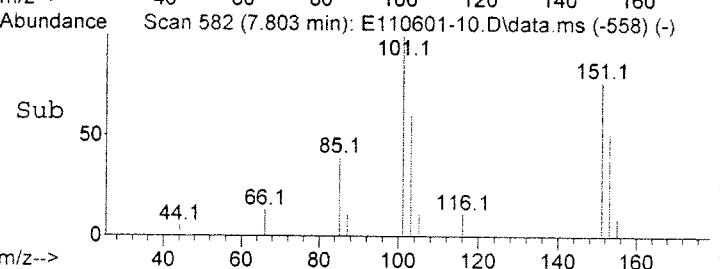


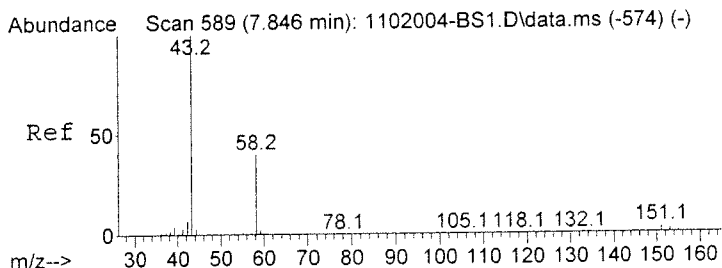
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.26 UG/M3
 RT: 7.803 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
101	100		
151	81.1	64.5	104.5
153	50.4	34.1	74.1



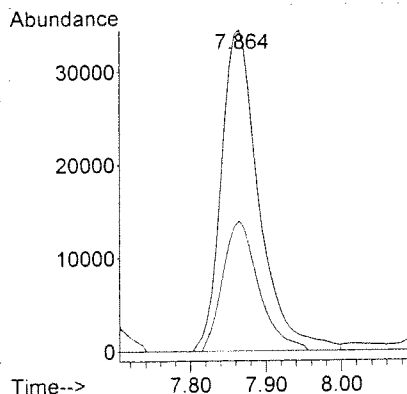
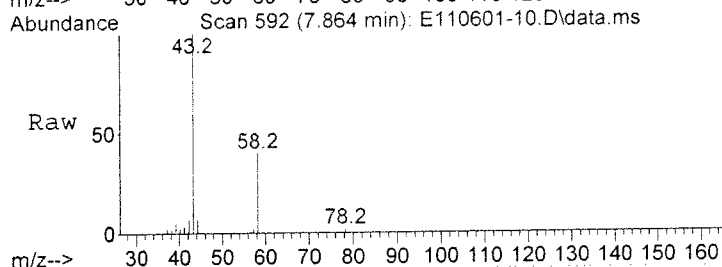
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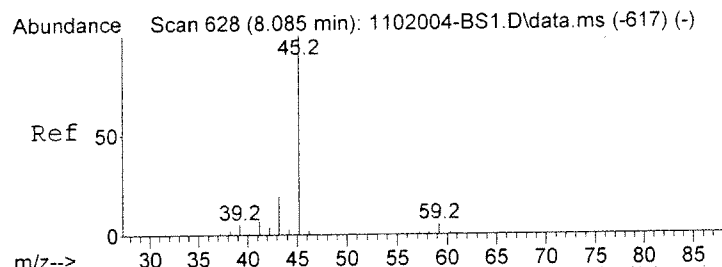
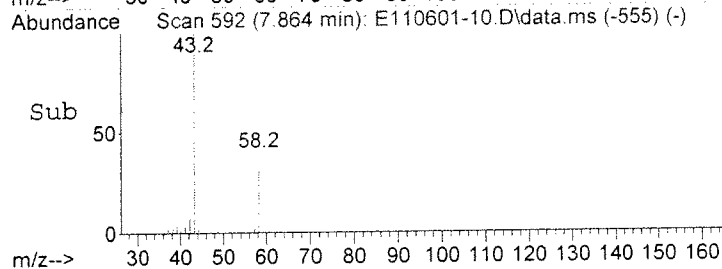


#14
 7051 Acetone
 Concen: 0.73 UG/M3
 RT: 7.864 min Scan# 592
 Delta R.T. 0.024 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion: 43 Resp: 118753
 Ion Ratio Lower Upper
 43 100
 58 38.7 19.9 59.9

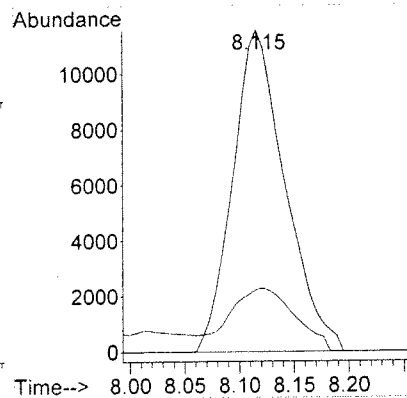
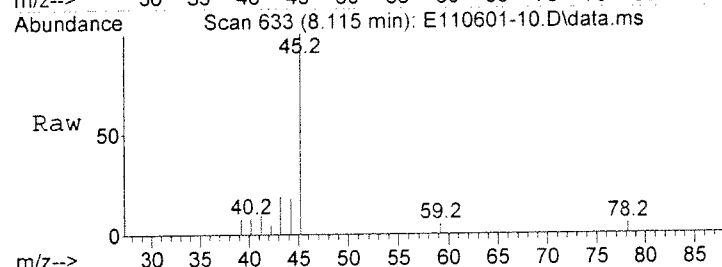


< 10 x blk

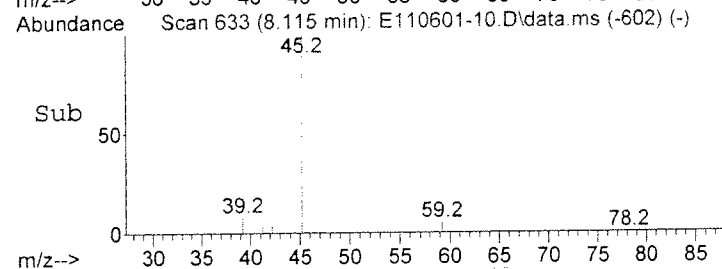


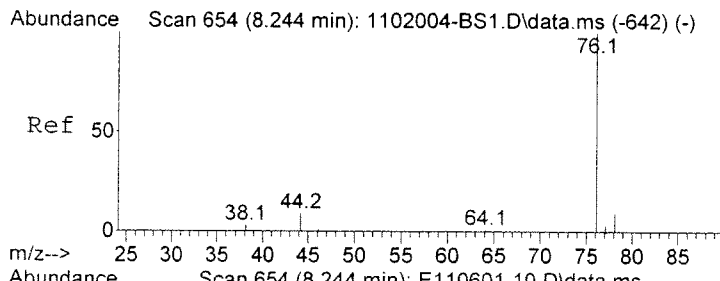
#15
 7024 Isopropanol
 Concen: 0.23 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion: 45 Resp: 38327
 Ion Ratio Lower Upper
 45 100
 43 24.9 0.0 37.4



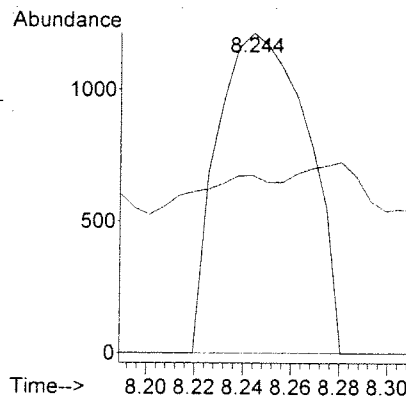
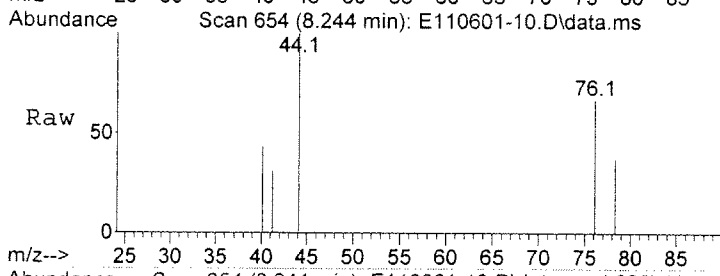
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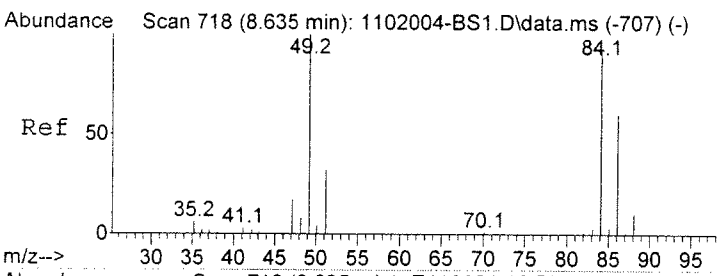
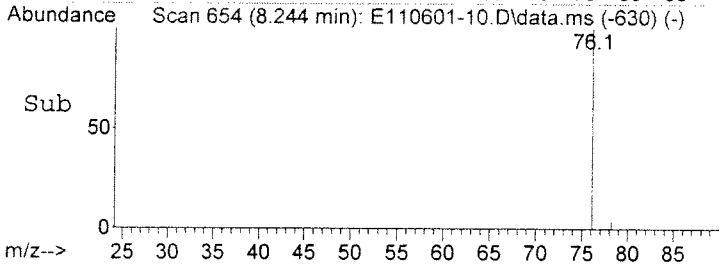


#16
 7052 Carbon Disulfide
 Concen: 0.01 UG/M3
 RT: 8.244 min Scan# 654
 Delta R.T. -0.000 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
76	100		
78	0.0	0.0	29.3

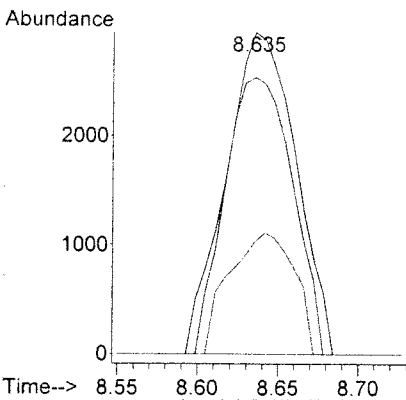
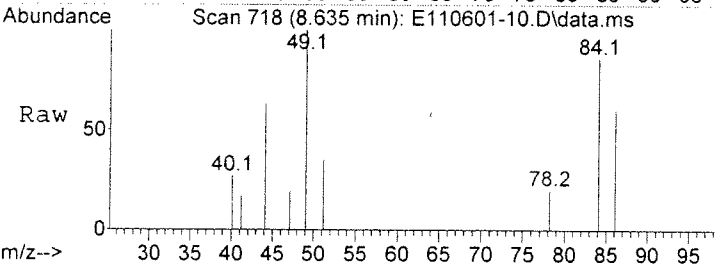


CMDL

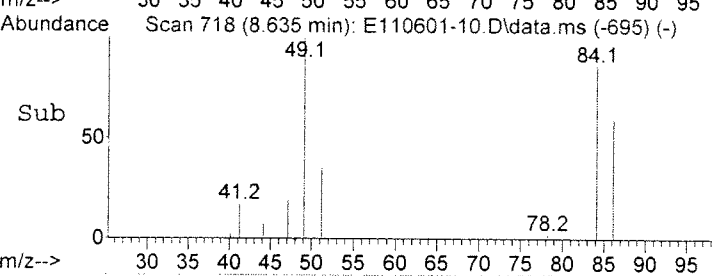


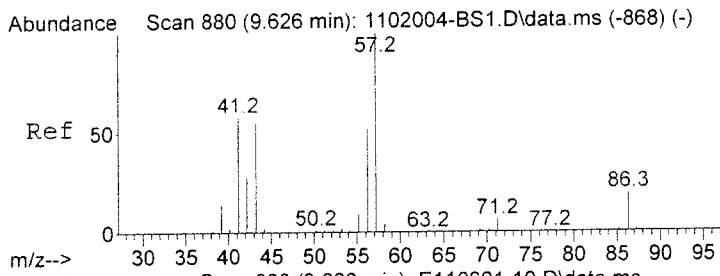
#18
 7045 Methylene Chloride
 Concen: 0.10 UG/M3
 RT: 8.635 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
49	100		
84	83.1	72.8	112.8
51	35.0	11.5	51.5



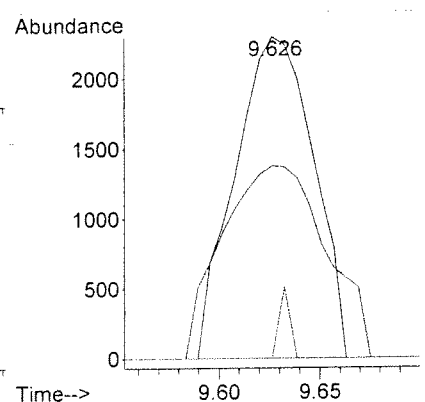
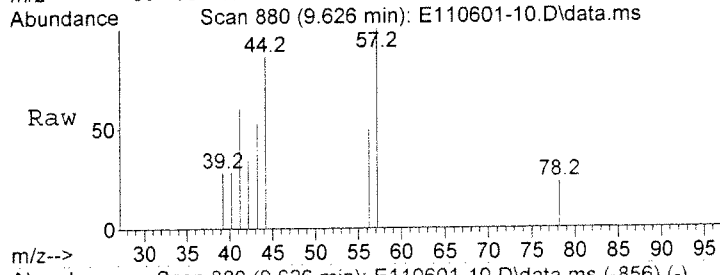
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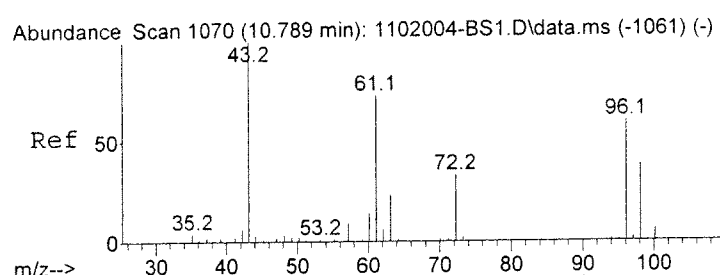
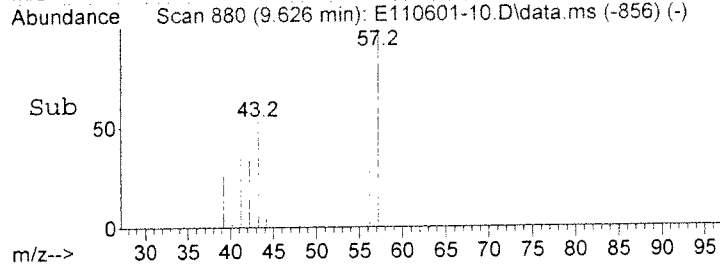


#22
 7016 Hexane
 Concen: 0.04 UG/M3
 RT: 9.626 min Scan# 880
 Delta R.T. -0.000 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
57	100		
41	78.9	37.9	77.9#
86	0.0	0.0	39.0

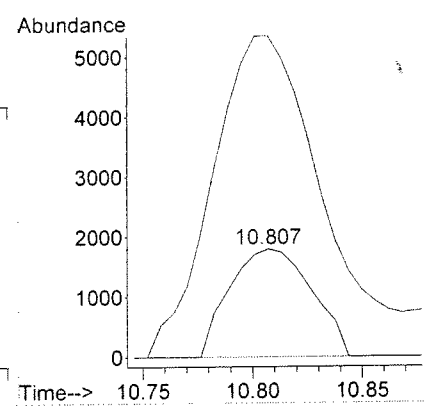
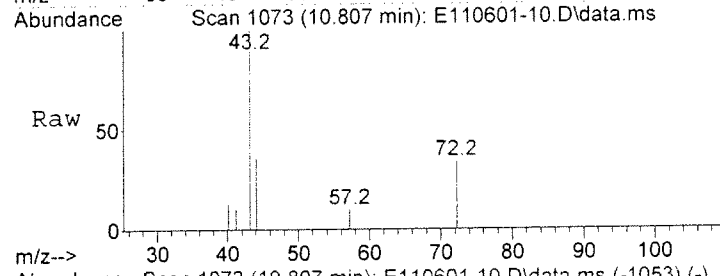


MDL

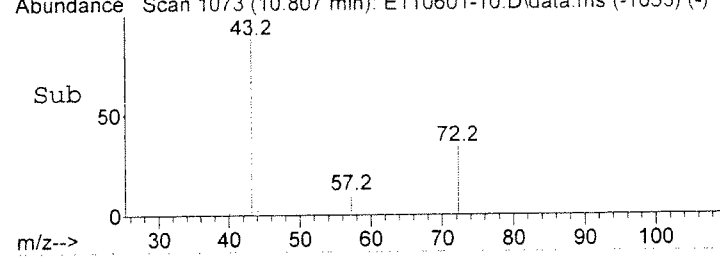


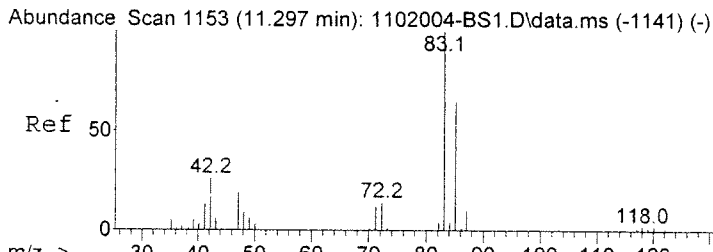
#25
 7058 Methyl Ethyl Ketone
 Concen: 0.10 UG/M3
 RT: 10.807 min Scan# 1073
 Delta R.T. 0.024 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
72	100		
43	393.5	287.4	327.4#



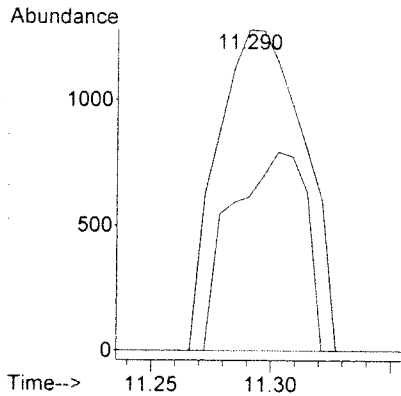
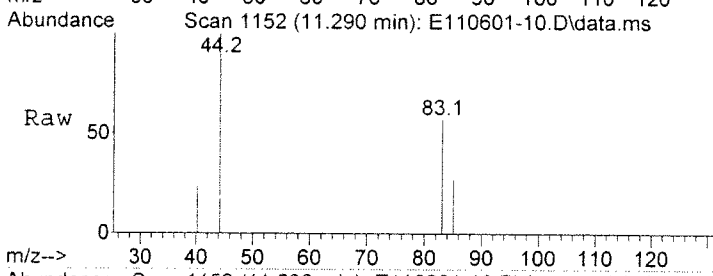
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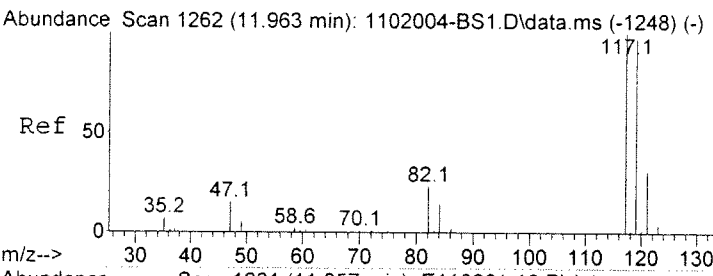
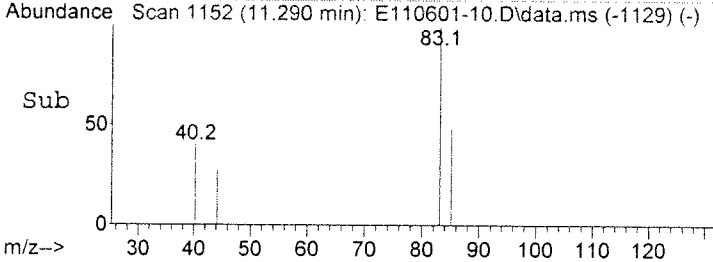


#28
 7065 Chloroform
 Concen: 0.03 UG/M3
 RT: 11.290 min Scan# 1152
 Delta R.T. -0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion: 83 Resp: 3199
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.1 85.1#

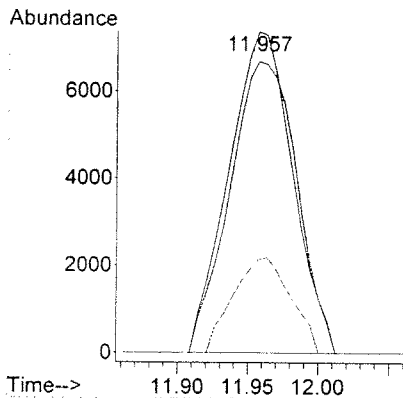
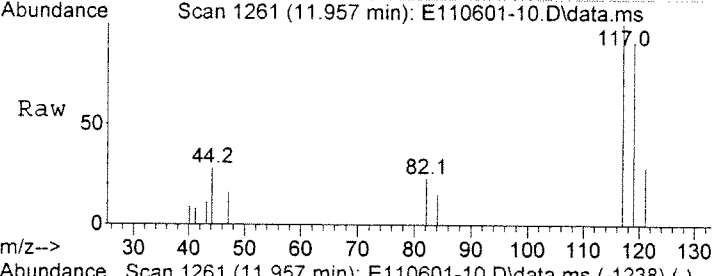


CMDL

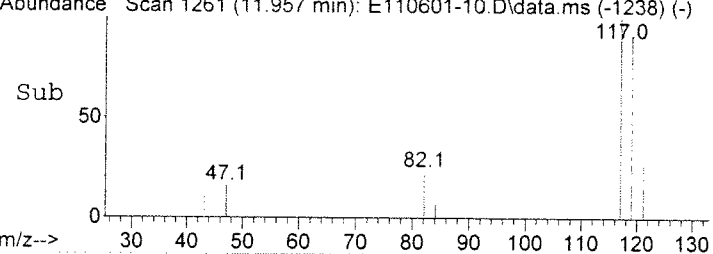


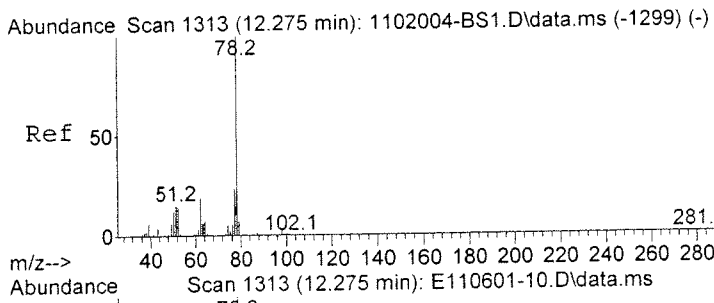
#33
 7080 Carbon Tetrachloride
 Concen: 0.24 UG/M3
 RT: 11.957 min Scan# 1261
 Delta R.T. -0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion: 117 Resp: 23277
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.4 116.4
 121 26.7 11.2 51.2



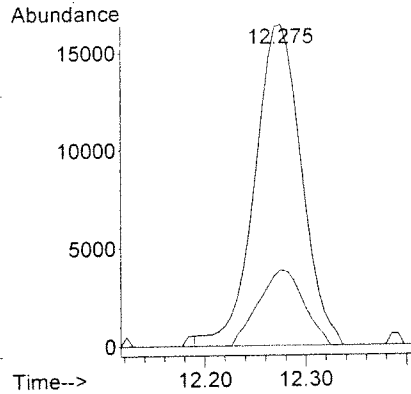
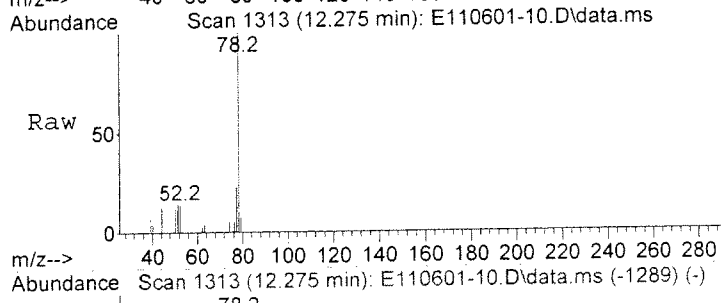
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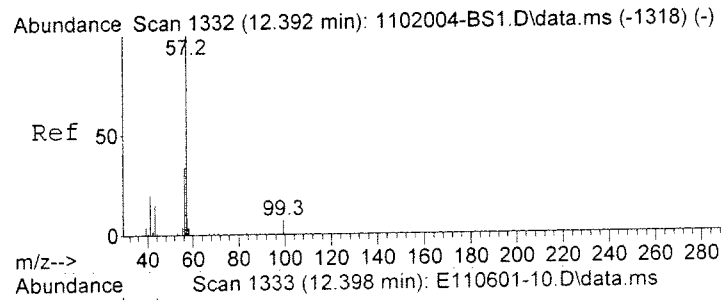
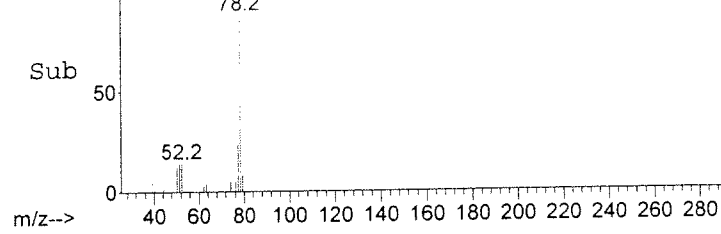


#35
 7105 Benzene
 Concen: 0.17 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
78	100		
77	22.7	2.8	42.8

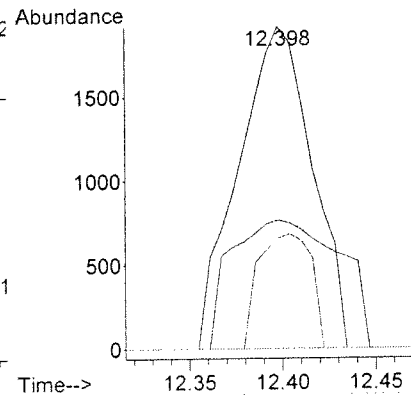
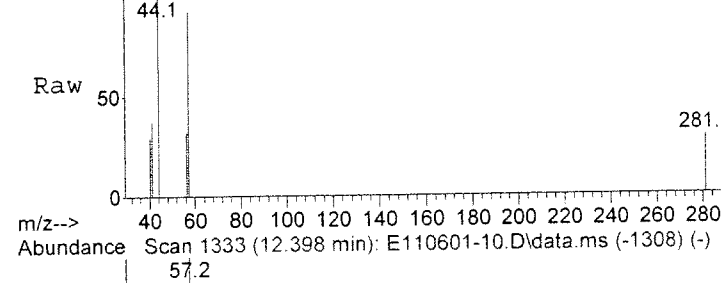


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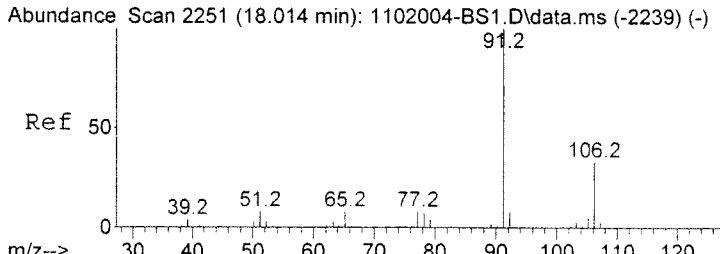


#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.02 UG/M3
 RT: 12.398 min Scan# 1333
 Delta R.T. 0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
57	100		
41	0.0	0.3	40.3#
56	0.0	13.3	53.3#

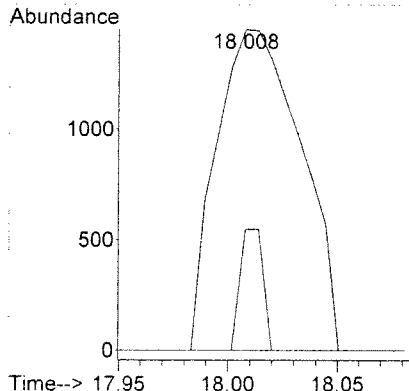
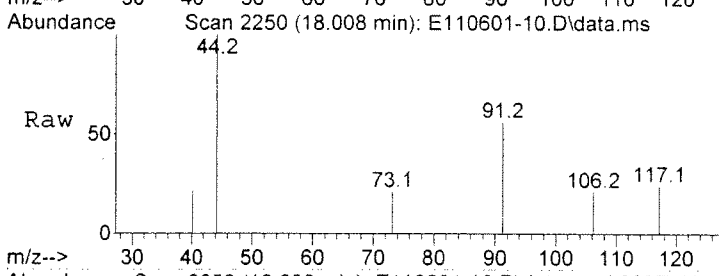


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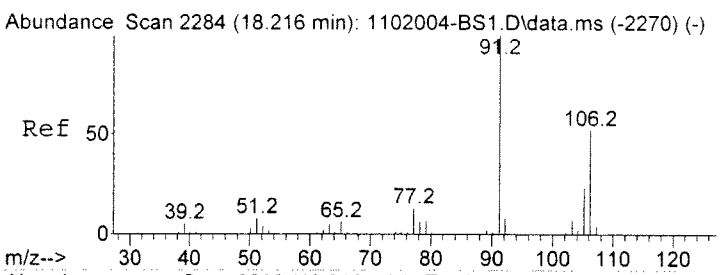
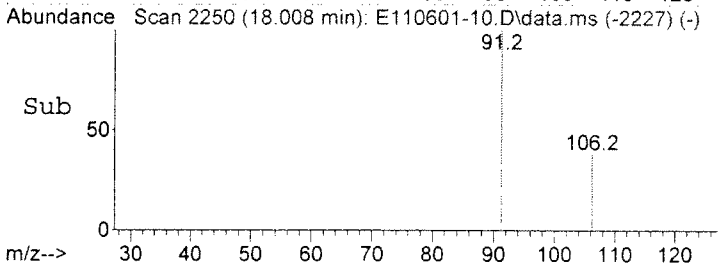


#54
 7155 Ethylbenzene
 Concen: 0.01 UG/M3
 RT: 18.008 min Scan# 2250
 Delta R.T. -0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	13.2	53.2#
51	0.0	0.0	28.1

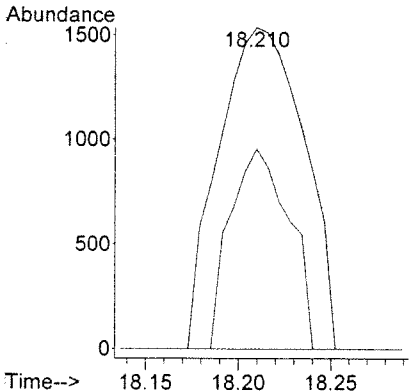
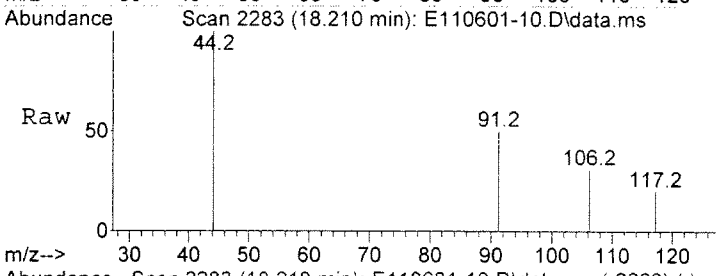


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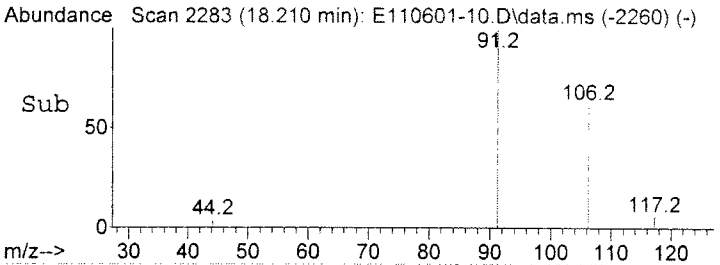


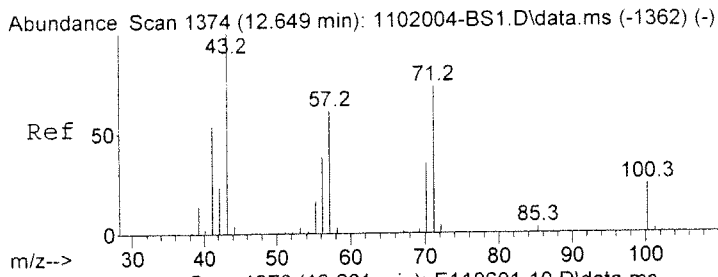
#55
 7156 (m- and/or p-) Xylene
 Concen: 0.02 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	32.5	72.5#
105	0.0	2.9	42.9#



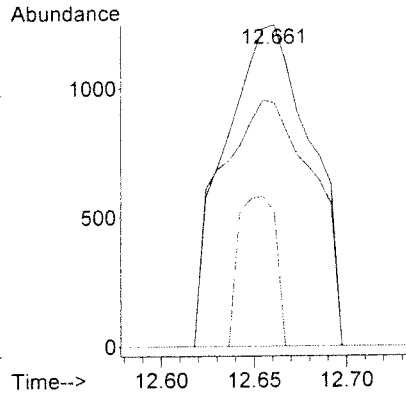
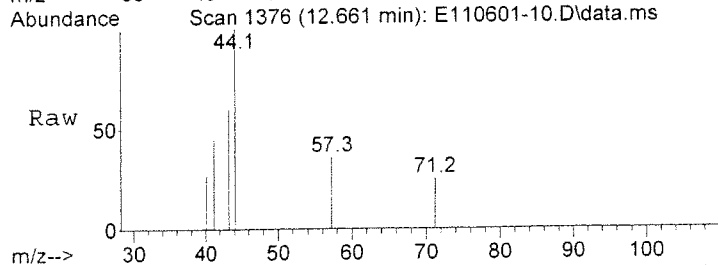
CMDL



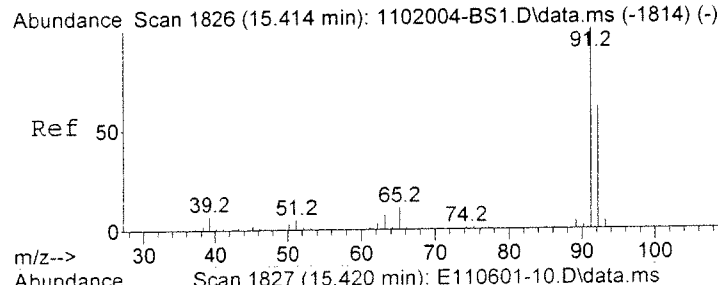
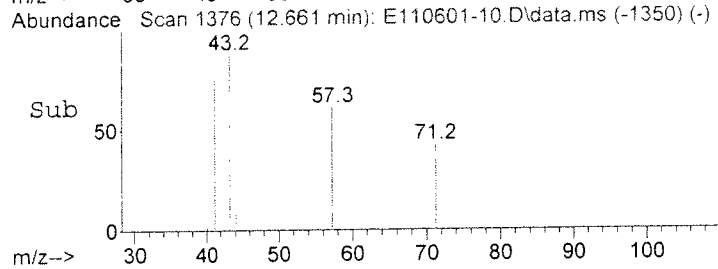


#37
 7038 Heptane
 Concen: 0.03 UG/M3
 RT: 12.661 min Scan# 1376
 Delta R.T. 0.012 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
43	3966		
41	83.6	32.7	72.7#
71	0.0	54.2	94.2#

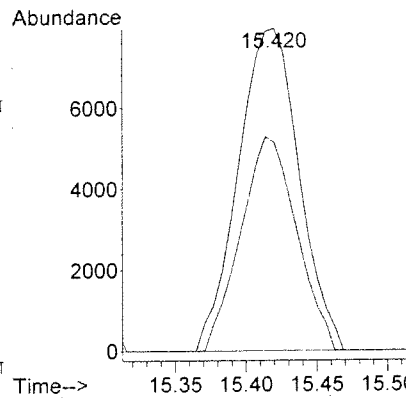
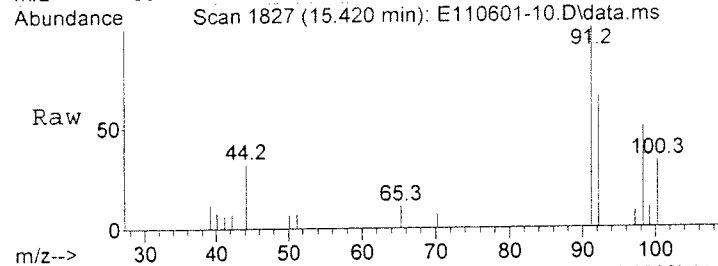


LMADL

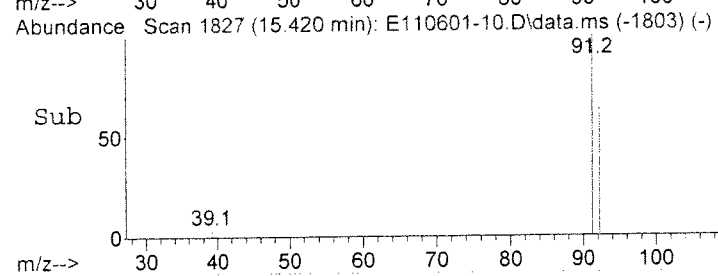


#46
 7145 Toluene
 Concen: 0.08 UG/M3
 RT: 15.420 min Scan# 1827
 Delta R.T. -0.000 min
 Lab File: E110601-10.D
 Acq: 4 Feb 2011 2:09 pm

Tgt Ion	Resp	Lower	Upper
91	23681		
92	61.0	41.1	81.1



OK



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-10.D
 Acq On : 4 Feb 2011 2:09 pm
 Operator : FW
 Sample : E110601-10
 Misc : can2772,500cc,ip=14.5,fp=30
 ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15

Signal : TIC: E110601-10.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	16	rVB	50080	118058	0.98%	0.313%
2	4.432	22	31	37	rBV2	67236	199132	1.65%	0.527%
3	4.518	37	45	56	rVB3	142030	421134	3.50%	1.116%
4	5.246	145	164	176	rBV	49733	166900	1.39%	0.442%
5	5.503	196	206	217	rVB3	28300	100426	0.83%	0.266%
6	6.794	404	417	431	rVB	53561	174329	1.45%	0.462%
7	7.865	584	592	611	rVB	55946	204489	1.70%	0.542%
8	11.553	1179	1195	1223	rBV	2294022	6970693	57.88%	18.465%
9	12.814	1385	1401	1419	rBV	661178	1920096	15.94%	5.086%
10	15.304	1793	1808	1822	rBV2	3528588	10624651	88.22%	28.145%
11	17.800	2202	2216	2246	rBV	710939	2080269	17.27%	5.511%
12	19.610	2496	2512	2523	rVB	284879	876303	7.28%	2.321%
13	19.886	2540	2557	2578	rBV	4125344	12042770	100.00%	31.901%
14	20.840	2703	2713	2724	rVB2	53000	163014	1.35%	0.432%
15	22.033	2897	2908	2936	rBV	547352	1688083	14.02%	4.472%

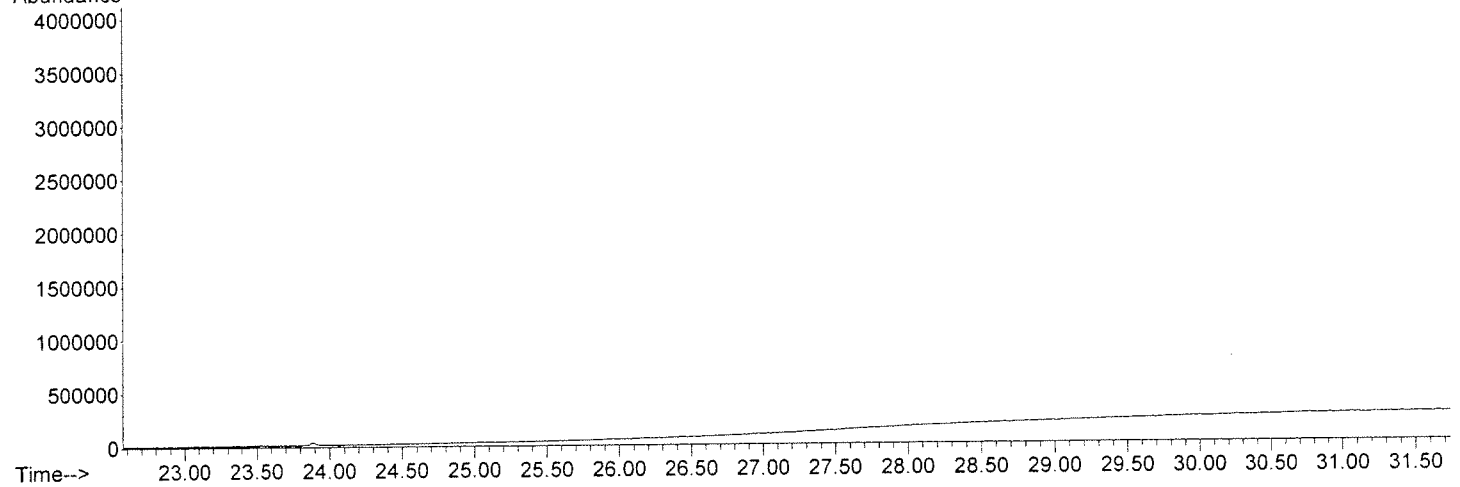
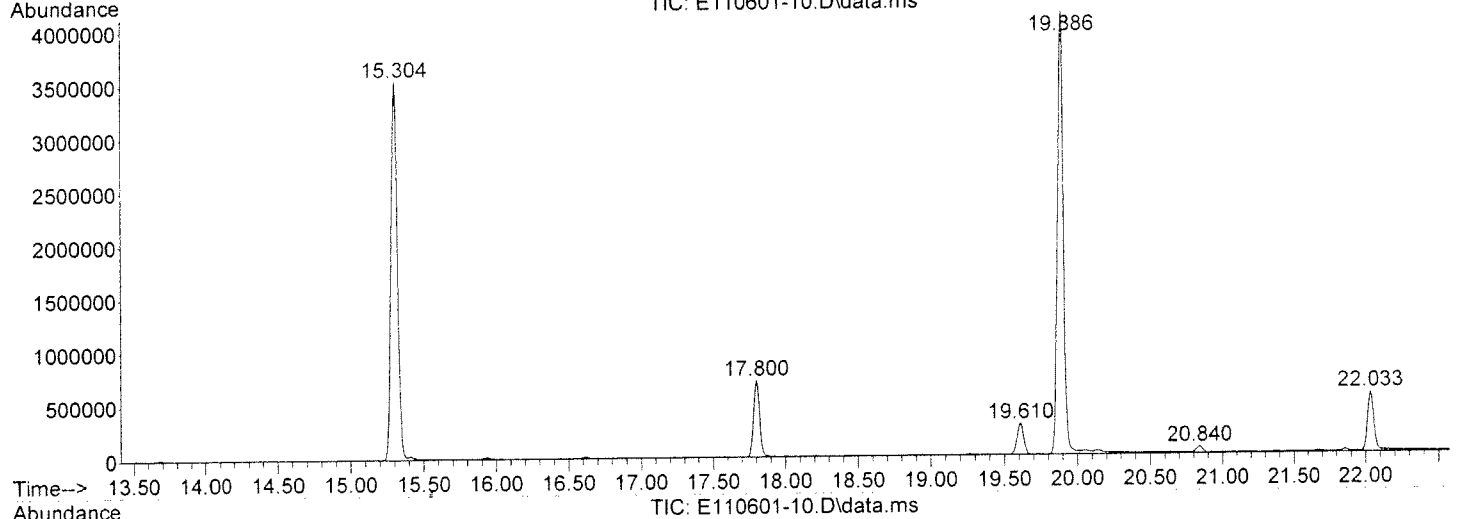
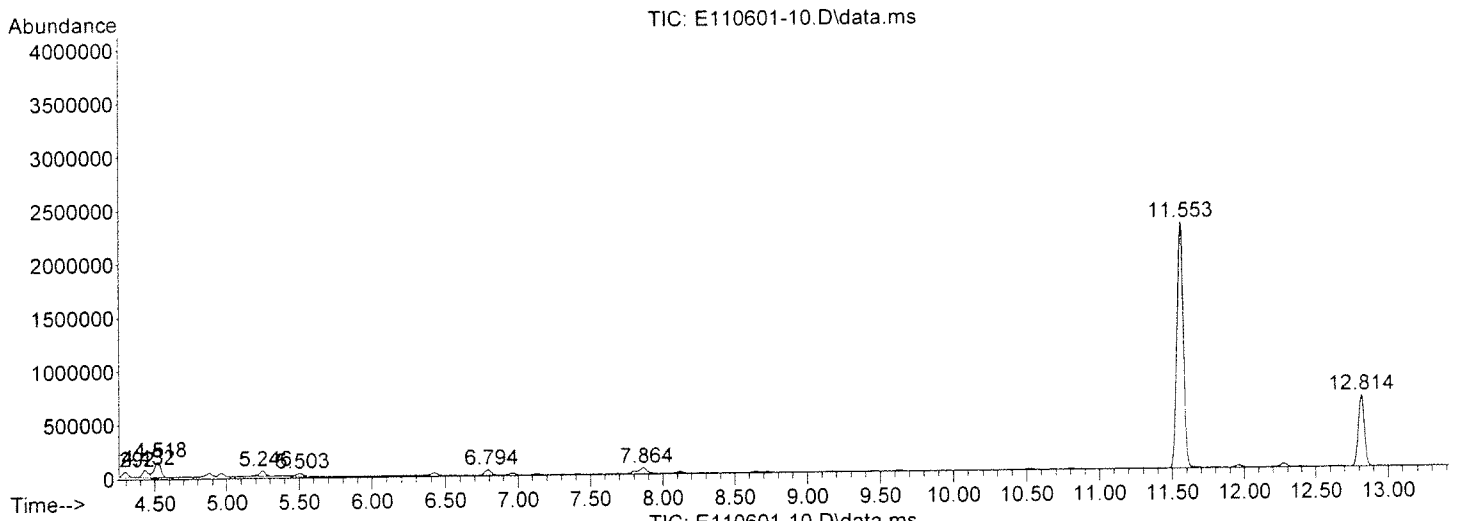
Sum of corrected areas: 37750347

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020311\
Data File : E110601-10.D
Acq On : 4 Feb 2011 2:09 pm
Operator : FW
Sample : E110601-10
Misc : can2772,500cc,ip=14.5,fp=30
ALS Vial : 15 Sample Multiplier: 1

Quant Title :

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-10.D
 Acq On : 4 Feb 2011 2:09 pm
 Operator : FW
 Sample : E110601-10
 Misc : can2772,500cc,ip=14.5,fp=30
 ALS Vial : 15 Sample Multiplier: 1

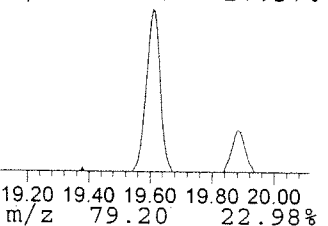
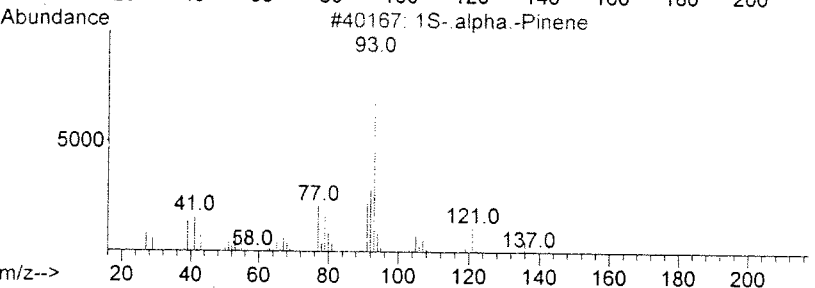
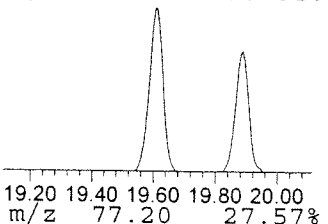
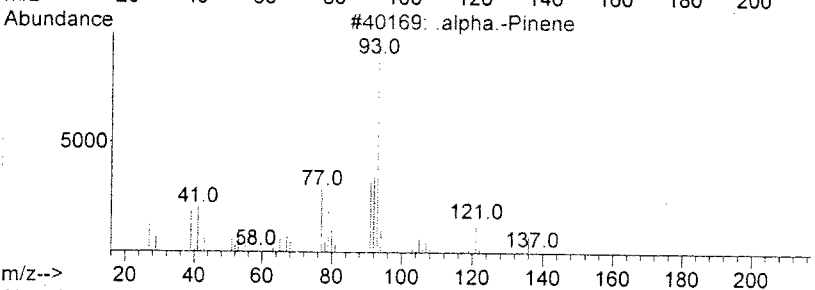
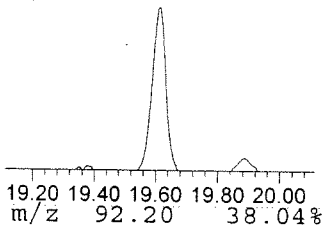
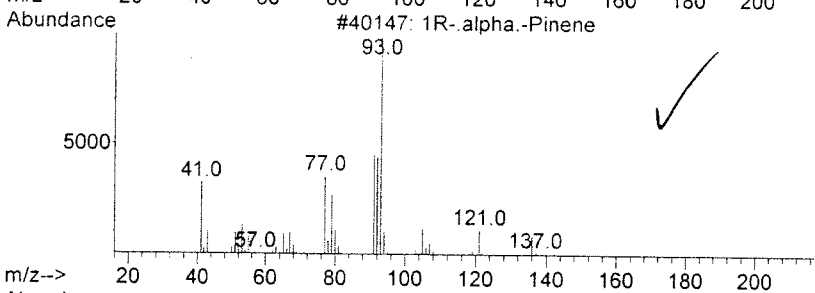
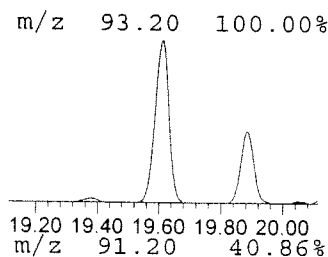
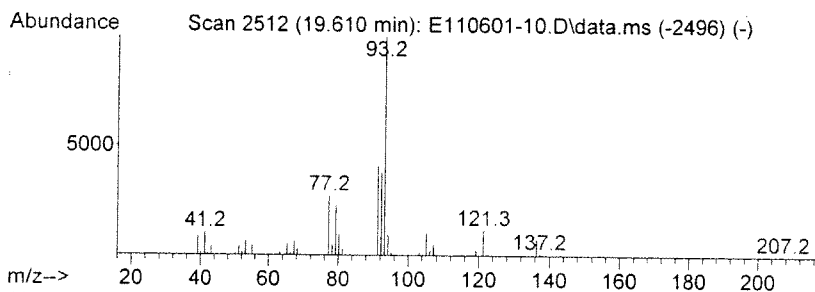
Quant Title :

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 1R-.alpha.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.610	10.07 UG/M3	876303	IS02 Chlorobenzene-D5	17.800

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	1S-.alpha.-Pinene	136	C10H16	007785-26-4	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
5	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020311\
 Data File : E110601-10.D
 Acq On : 4 Feb 2011 2:09 pm
 Operator : FW
 Sample : E110601-10
 Misc : can2772,500cc,ip=14.5,fp=30
 ALS Vial : 15 Sample Multiplier: 1

Quant Title :

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1R-.alpha.-Pinene	19.610	10.1	UG/M3	876303	2	17.800	2080270	23.9

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L1.D
 Acq On : 7 Feb 2011 1:02 pm
 Operator : FW
 Sample : ~~AS020711L1~~ 1102049-BS1 *fw 2-7-11*
 Misc : can4017/500ccPl/0121307
 ALS Vial : 1 Sample Multiplier: 1

WT 2-11-11

V 5973 VAL 2-7-11

Quant Time: Feb 07 13:52:25 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 13:51:21 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.820	114	957481	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	771171	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	321687	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	16.381	98	25886	0.00	% Rec	0.00
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
						Qvalue
2) 7001 Propene	4.427	41	291435	2.02	UG/M3	98
3) 7005 Freon 12 (CL2F2Me...	4.518	85	925818	5.48	UG/M3	100
4) 7017 Freon 114 (Cl2F4E...	4.843	85	1035153	7.72	UG/M3	100
5) 7025 Chloromethane	4.965	50	324788	2.22	UG/M3	100
6) 7035 Vinyl Chloride	5.246	62	353458	2.81	UG/M3	100
7) 7018 1,3-Butadiene	5.350	54	559812	4.83	UG/M3	100
8) 7030 Bromomethane	6.011	94	274892	4.47	UG/M3	99
9) 7040 Chloroethane	6.237	64	197160	3.03	UG/M3	98
10) 7008 Vinyl Bromide (Br...	6.641	106	371413	5.03	UG/M3	99
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	876640	6.32	UG/M3	99
12) 7011 Freon 113 (Cl3F3E...	7.803	101	741449	8.46	UG/M3	100
13) 7050 1,1-Dichloroethene	7.797	61	497325	4.20	UG/M3	98
14) 7051 Acetone	7.846	43	404362	2.44	UG/M3	99
15) 7024 Isopropanol	8.085	45	390087	2.33	UG/M3	95
16) 7052 Carbon Disulfide	8.250	76	974612	3.47	UG/M3	98
17) 7026 3-Chloropropene (...)	8.440	41	633550	6.33	UG/M3	98
18) 7045 Methylene Chloride	8.642	49	336267	3.71	UG/M3	98
19) 7020 Acrylonitrile	9.027	53	147908	2.29	UG/M3	98
20) 7915 Methyl T-Butyl Ether	9.149	73	978464	4.47	UG/M3	99
21) 7060 trans-1,2-Dichlor...	9.149	61	486642	4.20	UG/M3	97
22) 7016 Hexane	9.627	57	609878	3.82	UG/M3	99
23) 7055 1,1-Dichloroethane	9.853	63	603258	4.46	UG/M3	99
24) 7028 Vinyl Acetate	9.883	43	460237	3.76	UG/M3	98
25) 7058 Methyl Ethyl Ketone	10.789	72	142488	3.05	UG/M3	97
26) 7056 cis-1,2-Dichloroe...	10.807	96	366103	4.45	UG/M3	98
27) 7029 Ethyl Acetate	10.868	70	85436	3.69	UG/M3	98
28) 7065 Chloroform	11.297	83	671413	5.48	UG/M3	100
29) 7032 Tetrahydrofuran	11.315	42	290705	2.85	UG/M3	99
31) 7075 1,1,1-Trichloroet...	11.670	97	693611	6.01	UG/M3	97
32) 7013 Cyclohexane	11.804	56	633932	3.80	UG/M3	99
33) 7080 Carbon Tetrachloride	11.964	117	710791	7.11	UG/M3	98
34) 7070 1,2-Dichloroethane	12.257	62	384260	4.44	UG/M3	100
35) 7105 Benzene	12.276	78	1131128	3.60	UG/M3	100
36) 7036 Isooctane (2,2,4-...	12.392	57	1907362	5.28	UG/M3	100
37) 7038 Heptane	12.649	43	597550	4.48	UG/M3	98
38) 7100 Trichloroethene	13.297	132	475680	6.03	UG/M3	98
39) 7090 1,2-Dichloropropane	13.658	63	358525	5.17	UG/M3	97
40) 7043 1,4-Dioxane	13.860	88	158288	2.99	UG/M3	98
41) 7085 Bromodichloromethane	14.068	83	727191	6.79	UG/M3	100
43) 7120 cis-1,3-Dichlorop...	14.808	75	365554	4.97	UG/M3	99

Yellow Bluff Air Study 11-0068
 F110601 - 03RE1 thru -05RE1
 and dup of -05RE1

Marginal Exceedances of LCS-TCA Tracking Form

Batch ID: _____ Date Analyzed: 2-7-11

Project #: 11-0068 Yellow Bluff Analyst: fw

Analytical Method TO 15 Prep Method TO 15 Cleanup — Matrix Air

of analytes in LCS 69 (11-30 analytes 1 in ME; 31-50 analytes 2 in ME; 51-70 analytes 3 in ME; 71-90 analytes 4 in ME)

<u>SampleID</u>	<u>Analyte</u>	<u>Recovery</u>	<u>L4SIG</u>	<u>LCL</u>	<u>UCL</u>	<u>U4SIG</u>
1102049-BS1	Propene	112	45.37	59.60	145.00	159.23
1102049-BS1	Dichlorodifluoromethane (Freon	110	58.45	69.10	133.00	143.65
1102049-BS1	1,2-Dichlorotetrafluoroethane (Fr	109	56.22	66.90	131.00	141.68
1102049-BS1	Chloromethane	106	50.50	63.00	138.00	150.50
1102049-BS1	Vinyl chloride	108	50.75	62.50	133.00	144.75
1102049-BS1	1,3-Butadiene	110	49.70	61.60	133.00	144.90
1102049-BS1	Bromomethane	112	42.37	55.60	135.00	148.23
1102049-BS1	Chloroethane	112	45.97	59.40	140.00	153.43
1102049-BS1	Vinyl bromide	109	61.23	70.20	124.00	132.97
1102049-BS1	Trichlorofluoromethane (Freon	107	59.25	69.50	131.00	141.25
1102049-BS1	1,1,2-Trichloro-1,2,2-Trifluoroeth	110	56.33	66.00	124.00	133.67
1102049-BS1	1,1-Dichloroethene (1,1-Dichloro	105	53.47	63.40	123.00	132.93
1102049-BS1	Acetone	106	55.22	66.90	137.00	148.68
1102049-BS1	Isopropanol	89.6	37.68	52.30	140.00	154.62
1102049-BS1	Carbon disulfide	108	59.60	68.80	124.00	133.20
1102049-BS1	3-Chloropropene	104	50.88	61.90	128.00	139.02
1102049-BS1	Methylene Chloride	106	53.57	64.20	128.00	138.63
1102049-BS1	Acrylonitrile	104	43.82	56.70	134.00	146.88
1102049-BS1	Methyl T-Butyl Ether (MTBE)	112	67.27	75.80	127.00	135.53
1102049-BS1	trans-1,2-Dichloroethene	108	62.32	71.70	128.00	137.38
1102049-BS1	Hexane	106	54.68	65.30	129.00	139.62
1102049-BS1	1,1-Dichloroethane	109	56.65	66.70	127.00	137.05
1102049-BS1	Vinyl acetate	104	52.53	64.60	137.00	149.07
1102049-BS1	Methyl Ethyl Ketone	105	65.60	73.80	123.00	131.20
1102049-BS1	cis-1,2-Dichloroethene	109	58.97	68.40	125.00	134.43
1102049-BS1	Ethyl Acetate	105	58.77	67.80	122.00	131.03
1102049-BS1	Chloroform	110	59.92	69.50	127.00	136.58
1102049-BS1	Tetrahydrofuran	98.3	49.83	61.00	128.00	139.17
1102049-BS1	1,1,1-Trichloroethane	107	58.93	68.80	128.00	137.87
1102049-BS1	Cyclohexane	109	55.43	65.80	128.00	138.37
1102049-BS1	Carbon Tetrachloride	109	52.78	64.10	132.00	143.32
1102049-BS1	1,2-Dichloroethane	106	58.17	68.00	127.00	136.83
1102049-BS1	Benzene	109	56.05	65.90	125.00	134.85
1102049-BS1	Isooctane	108	56.78	67.10	129.00	139.32
1102049-BS1	Heptane	104	48.67	61.00	135.00	147.33
1102049-BS1	Trichloroethene (Trichloroethyler	108	55.18	66.30	133.00	144.12
1102049-BS1	1,2-Dichloropropane	108	52.30	63.40	130.00	141.10
1102049-BS1	1,4-Dioxane	87.9	13.33	31.00	137.00	154.67
1102049-BS1	Bromodichloromethane	108	59.93	69.80	129.00	138.87
1102049-BS1	cis-1,3-Dichloropropene	106	58.13	67.40	123.00	132.27
1102049-BS1	Methyl Isobutyl Ketone	89.0	41.58	54.50	132.00	144.92
1102049-BS1	Toluene	111	61.75	70.50	123.00	131.75
1102049-BS1	trans-1,3-Dichloropropene	107	57.02	66.30	122.00	131.28
1102049-BS1	1,1,2-Trichloroethane	109	64.32	72.70	123.00	131.38
1102049-BS1	Tetrachloroethene (Tetrachloroe	106	60.48	69.70	125.00	134.22
1102049-BS1	Methyl Butyl Ketone	76.2	35.10	47.80	124.00	136.70

<u>SampleID</u>	<u>Analyte</u>	<u>Recovery</u>	<u>L4SIG</u>	<u>LCL</u>	<u>UCL</u>	<u>U4SIG</u>
1102049-BS1	Dibromochloromethane	104	53.75	64.50	129.00	139.75
1102049-BS1	1,2-Dibromoethane (EDB)	109	61.40	70.20	123.00	131.80
1102049-BS1	Chlorobenzene	108	62.22	70.90	123.00	131.68
1102049-BS1	Ethyl Benzene	111	63.33	72.00	124.00	132.67
1102049-BS1	(m- and/or p-)Xylene	113	66.32	74.70	125.00	133.38
1102049-BS1	o-Xylene	110	66.43	74.80	125.00	133.37
1102049-BS1	Styrene	104	56.72	66.90	128.00	138.18
1102049-BS1	Bromoform	96.4	13.12	32.10	146.00	164.98
1102049-BS1	1,1,2,2-Tetrachloroethane	111	56.00	67.00	133.00	144.00
1102049-BS1	4-Ethyltoluene	121	60.97	72.40	141.00	152.43
1102049-BS1	1,3,5-Trimethylbenzene	113	64.57	75.20	139.00	149.63
1102049-BS1	1,2,4-Trimethylbenzene	109	56.02	69.30	149.00	162.28
1102049-BS1	1,3-Dichlorobenzene	107	53.52	65.30	136.00	147.78
1102049-BS1	1,4-Dichlorobenzene	106	50.90	63.20	137.00	149.30
1102049-BS1	Benzyl chloride	87.2	31.08	45.50	132.00	146.42
1102049-BS1	1,2-Dichlorobenzene	108	56.28	68.10	139.00	150.82
1102049-BS1	1,2,4-Trichlorobenzene	88.1	-2.58	26.50	201.00	230.08
1102049-BS1	Hexachlorobutadiene	96.1	19.73	43.20	184.00	207.47

Actions/Notes taken (if any):

CONVERT
FROM TO

Cylinder #AB-100175 (25 cmpds bold)
Cylinder #AB-4561 (43 cmpds)

Analytical Curve 02/07/11

COMPOUND	MOL. WT.	CONC PPBv Spectra Restek	CONC UG/M3	UG/M3 Nominal	UG/M3 MDL	Analytical Curve 02/07/11						
						SRM Level 0.2	Level 0.5	CCV Level 1	Level 2	Level 4	Level 6	
CONC FACTOR (@25 C)	24.47											
PROPENE	42.08	107	184.0	200.00	0.03		0.92	1.80	3.70	7.40	11.10	
FREON 12 (CI2F2METHANE)	120.00	102	500.2	500.00	0.05	1.00	2.50	5.00	10.00	20.00	30.10	
FREON 114 (CI2F4ETHANE)	170.92	101	705.5	700.00	0.10	1.41	3.50	7.10	14.10	28.20	42.50	
CHLOROMETHANE	50.49	100	206.3	200.00	0.03		1.00	2.10	4.10	8.30	12.40	
VINYL CHLORIDE	62.50	101	258.0	300.00	0.04	0.52	1.30	2.60	5.20	10.30	15.50	
1,3-BUTADIENE	54.09	201	444.3	400.00	0.07	0.89	2.20	4.40	8.90	17.80	26.80	
BROMOMETHANE	94.94	102	395.7	400.00	0.08	0.79	2.00	4.00	7.90	15.80	23.80	
CHLOROETHANE	64.52	102	268.9	300.00	0.05		1.30	2.70	5.40	10.80	16.20	
VINYL BROMIDE (BROMOETHENE)	106.95	105	458.9	500.00	0.06	0.92	2.30	4.60	9.20	18.40	27.60	
FREON 11 (CI3FMETHANE)	137.38	105	589.5	600.00	0.07	1.18	2.90	5.90	11.80	23.60	35.50	
FREON 113 (CI3F3ETHANE)	187.38	101	773.4	800.00	0.11	1.55	3.90	7.70	15.50	30.90	46.60	
1,1-DICHLOROETHENE	96.95	100	396.2	400.00	0.05	0.79	2.00	4.00	7.90	15.80	23.90	
ACETONE	58.08	96	227.9	200.00	0.07		1.10	2.30	4.60	9.10	13.70	
ISOPROPANOL	60.10	104	255.4	300.00	0.05		1.30	2.60	5.10	10.20	15.40	
CARBON DISULFIDE	76.14	102	317.4	300.00	0.03	0.63	1.60	3.20	6.30	12.70	19.10	
3-CHLOROPRENE (ALLYL CHLOR)	76.53	194	606.7	600.00	0.13	1.21	3.00	6.10	12.10	24.30	36.60	
METHYLENE CHLORIDE	84.94	101	350.6	400.00	0.04	0.70	1.80	3.50	7.00	14.00	21.10	
ACRYLONITRILE	53.06	101	219.0	200.00	0.04	0.44	1.10	2.20	4.40	8.80	13.20	
METHYL T-BUTYL ETHER	88.15	110	396.3	400.00	0.06	0.79	2.00	4.00	7.90	15.90	23.90	
TRANS-1,2-DICHLOROETHENE	96.94	99	392.2	400.00	0.05	0.78	2.00	3.90	7.80	15.70	23.60	
HEXANE	86.18	102	359.2	400.00	0.06	0.72	1.80	3.60	7.20	14.40	21.60	
1,1-DICHLOROETHANE	98.96	102	412.5	400.00	0.06	0.83	2.10	4.10	8.30	16.50	24.80	
VINYL ACETATE	86.09	101	355.3	400.00	0.05	0.71	1.80	3.60	7.10	14.20	21.40	
METHYL ETHYL KETONE	72.10	98	288.8	300.00	0.04	0.58	1.40	2.90	5.80	11.60	17.40	
CIS-1,2-DICHLOROETHENE	96.94	103	408.0	400.00	0.06	0.82	2.00	4.10	8.20	16.30	24.60	
ETHYL ACETATE (ACETIC ESTER)	88.11	98	352.9	400.00	0.07		1.80	3.50	7.10	14.10	21.30	
CHLOROFORM	119.38	102	497.6	500.00	0.06	1.00	2.50	5.00	10.00	19.90	30.00	
TETRAHYDROFURAN	72.11	97	285.8	300.00	0.05		1.40	2.90	5.70	11.40	17.20	
1,1,1-TRICHLOROETHANE	133.41	102	556.1	600.00	0.08	1.11	2.80	5.60	11.10	22.20	33.50	
CYCLOHEXANE	84.16	103	354.2	400.00	0.06	0.71	1.80	3.50	7.10	14.20	21.30	
CARBON TETRACHLORIDE	153.80	104	653.7	700.00	0.08	1.31	3.30	6.50	13.10	26.10	39.40	
1,2-DICHLOROETHANE	99.00	103	416.7	400.00	0.06	0.83	2.10	4.20	8.30	16.70	25.10	
BENZENE	78.10	103	328.7	300.00	0.05	0.66	1.60	3.30	6.60	13.10	19.80	
ISOCTANE (2,2,4-trimethylpentan	114.23	104	485.5	500.00	0.07	0.97	2.40	4.90	9.70	19.40	29.20	

CONVERT
FROM TO

Cylinder #AB-100175 (25 cmpds bold)
Cylinder #AB-4561 (43 cmpds)

Analytical Curve 02/07/11

COMPOUND	MOL. WT	CONC PPBv	CONC UG/M3	CONC UG/M3	CONC UG/M3	Analytical Curve 02/07/11					
						SRM Level	CCV Level	CCV Level	CCV Level	CCV Level	CCV Level
CONC FACTOR (@25 C)	24.47	Spectra Restek	UG/M3	Nominal	MDL	0.2	0.5	1	2	4	6
HEPTANE	100.20	105	430.0	400.00	0.06	0.86	2.10	4.30	8.60	17.20	25.90
TRICHLOROETHENE	131.30	104	558.0	600.00	0.11	1.12	2.80	5.60	11.20	22.30	33.60
1,2 DICHLOROPROPANE	113.00	103	475.6	500.00	0.07	0.95	2.40	4.80	9.50	19.00	28.70
1,4-DIOXANE (p-DIOXANE)	88.11	94	338.5	300.00	0.05		1.70	3.40	6.80	13.50	20.40
BROMODICHLOROMETHANE	163.90	94	629.6	600.00	0.09	1.26	3.10	6.30	12.60	25.20	37.90
CIS-1,3-DICHLOROPROPENE	111.00	103	467.2	500.00	0.06	0.93	2.30	4.70	9.30	18.70	28.10
METHYL ISOBUTYL KETONE	100.20	103	421.8	400.00	0.04		2.10	4.20	8.40	16.90	25.40
TOLUENE	92.15	104	391.6	400.00	0.05	0.78	2.00	3.90	7.80	15.70	23.60
TRANS-1,3-DICHLOROPROPENE	110.97	109	494.3	500.00	0.07	0.99	2.50	4.90	9.90	19.80	29.80
1,1,2-TRICHLOROETHANE	133.41	103	561.6	600.00	0.08	1.12	2.80	5.60	11.20	22.50	33.80
TETRACHLOROETHENE	165.83	104	704.8	700.00	0.10	1.41	3.50	7.00	14.10	28.20	42.50
METHYL BUTYL KETONE	100.16	102	417.5	400.00	0.02		2.10	4.20	8.40	16.70	25.20
DIBROMOCHLOROMETHANE	208.30	102	868.3	900.00	0.10	1.74	4.30	8.70	17.40	34.70	52.30
1,2-DIBROMOETHANE (EDB)	187.90	104	798.6	800.00	0.11	1.60	4.00	8.00	16.00	31.90	48.10
CHLOROBENZENE	112.56	104	478.4	500.00	0.05	0.96	2.40	4.80	9.60	19.10	28.80
ETHYLBENZENE	106.17	104	451.2	500.00	0.06	0.90	2.30	4.50	9.00	18.00	27.20
(M- AND/OR P-)XYLENE	106.17	210	911.1	900.00	0.11	1.82	4.60	9.10	18.20	36.40	54.90
O-XYLENE	106.17	105	455.6	500.00	0.06	0.91	2.30	4.60	9.10	18.20	27.40
STYRENE	104.16	104	442.7	400.00	0.05	0.89	2.20	4.40	8.90	17.70	26.70
BROMOFORM	252.77	103	1064.0	1100.00	0.12	2.13	5.30	10.60	21.30	42.60	64.10
1,1,2,2-TETRACHLOROETHANE	167.86	104	713.4	700.00	0.10	1.43	3.60	7.10	14.30	28.50	43.00
4-ETHYLTOLUENE(1-ethyl-4-methy	120.19	210	1031.5	1000.00	0.12	2.06	5.20	10.30	20.60	41.30	62.10
1,3,5-TRIMETHYLBENZENE	120.19	100	491.2	500.00	0.07	0.98	2.50	4.90	9.80	19.60	29.60
1,2,4-TRIMETHYLBENZENE	120.19	103	505.9	500.00	0.07	1.01	2.50	5.10	10.10	20.20	30.50
1,3-DICHLOROBENZENE	147.01	104	624.8	600.00	0.07	1.25	3.10	6.20	12.50	25.00	37.60
1,4-DICHLOROBENZENE	147.01	105	630.8	600.00	0.09	1.26	3.20	6.30	12.60	25.20	38.00
BENZYL CHLORIDE	126.59	96	496.6	500.00	0.07	0.99	2.50	5.00	9.90	19.90	29.90
1,2-DICHLOROBENZENE	147.01	103	618.8	600.00	0.09	1.24	3.10	6.20	12.40	24.80	37.30
1,2,4-TRICHLOROBENZENE	181.45	99	734.1	700.00	0.07	1.47	3.70	7.30	14.70	29.40	44.20
HEXACHLOROBUTADIENE	260.76	104	1108.3	1100.00	0.12	2.22	5.50	11.10	22.20	44.30	66.80

Dibromofluoromethane 191.83 4.29 33.6
Toluene D8 100.19 4.29 17.6

CONVERT
FROM TO

Cylinder #AB-100175 (25 cmpds bold)
Cylinder #AB-4561 (43 cmpds)

Analytical Curve 02/07/11

COMPOUND	MOL. WT.	CONC		UG/M3	UG/M3	UG/M3	Analytical Curve 02/07/11					
		PPBv	UG/M3				SRM Level	CCV Level	CCV Level	CCV Level	CCV Level	CCV Level
CONC FACTOR (@25 C)	24.47	Spectra Restek	UG/M3	Nominal	MDL	0.2	0.5	1	2	4	6	
P-Bromofluorobenzene	174.00	4.29	30.5									
Difluorobenzene	114.00	5.10	23.8									
Chlorobenzene-D5	117.00	5.00	23.9									
1,4-Dichlorobenzene-D4	150.00	4.90	30.0									

Dilution of Stock Std	Cyl	Vol	Vol inj	Dilution
100x	50+50	4900	100cc of 1ppbv = 0.2ppbv 250cc of 1ppbv = 0.5ppbv 500cc of 1ppbv = 1.0 ppbv	
25X	100+100	2300	250cc of 4ppbv = 2ppbv 500cc of 4ppbv = 4ppbv 625cc of 4ppbv = 5ppbv 750cc of 4ppbv = 6ppbv	

COMPOUND	MOL. WT	CONVERT		LCS		Cylinder #AB-100279		Cylinder #AB-100180	
		FROM CONC PPBv Spectra Restek	TO CONC UG/M3	UG/M3	Level				
CONC FACTOR (@25 C)	24.47			Nominal	1			ICV020711R1	
								(Can 4155; MFC 4&5; Pos.16)	
						True Value	ug/m3	% Recov	FAIL?
PROPENE	42.08	105	180.6	200.00	1.80	2.12	117.8%		
FREON 12 (CI2F2METHANE)	120.00	102	500.2	500.00	5.00	5.74	114.8%		
FREON 114 (CI2F4ETHANE)	170.92	100	698.5	700.00	7.00	8.09	115.6%		
CHLOROMETHANE	50.49	98	202.2	200.00	2.00	2.26	113.0%		
VINYL CHLORIDE	62.50	100	255.4	300.00	2.60	2.99	115.0%		
1,3-BUTADIENE	54.09	202	446.5	400.00	4.50	5.14	114.2%		
BROMOMETHANE	94.94	102	395.7	400.00	4.00	4.96	124.0%		
CHLOROETHANE	64.52	103	271.6	300.00	2.70	3.11	115.2%		
VINYL BROMIDE (BROMOETHENE)	106.95	99	432.7	500.00	4.30	5.10	118.6%		
FREON 11 (CI3FMETHANE)	137.38	104	583.9	600.00	5.80	6.78	116.9%		
FREON 113 (CI3F3ETHANE)	187.38	101	773.4	800.00	7.70	9.04	117.4%		
1,1-DICHLOROETHENE	96.95	100	396.2	400.00	4.00	4.60	115.0%		
ACETONE	58.08	97	230.2	200.00	2.30	2.83	123.0%		
ISOPROPANOL	60.10	108	265.3	300.00	2.70	3.57	132.2%	FAIL	
CARBON DISULFIDE	76.14	99	308.0	300.00	3.10	3.47	111.9%		
3-CHLOROPRENE (ALLYL CHLOR)	76.53	187	584.8	600.00	5.80	6.94	119.7%		
METHYLENE CHLORIDE	84.94	101	350.6	400.00	3.50	4.03	115.1%		
ACRYLONITRILE	53.06	93	201.7	200.00	2.00	2.60	130.0%		
METHYL T-BUTYL ETHER	88.15	102	367.4	400.00	3.70	4.88	131.9%	FAIL	
TRANS-1,2-DICHLOROETHENE	96.94	97	384.3	400.00	3.80	4.34	114.2%		
HEXANE	86.18	97	341.6	300.00	3.40	3.99	117.4%		
1,1-DICHLOROETHANE	98.96	102	412.5	400.00	4.10	4.91	119.8%		
VINYL ACETATE	86.09	99	348.3	300.00	3.50	5.24	149.7%	FAIL	
METHYL ETHYL KETONE	72.10	96	282.9	300.00	2.80	3.68	131.4%	FAIL	
CIS-1,2-DICHLOROETHENE	96.94	104	412.0	400.00	4.10	4.83	117.8%		
ETHYL ACETATE (ACETIC ESTER)	88.11	96	345.7	300.00	3.50	4.26	121.7%		
CHLOROFORM	119.38	102	497.6	500.00	5.00	5.93	118.6%		
TETRAHYDROFURAN	72.11	96	282.9	300.00	2.80	3.55	126.8%		
1,1,1-TRICHLOROETHANE	133.41	103	561.6	600.00	5.60	6.62	118.2%		
CYCLOHEXANE	84.16	99	340.5	300.00	3.40	3.91	115.0%		
CARBON TETRACHLORIDE	153.80	103	647.4	600.00	6.50	7.58	116.6%		
1,2-DICHLOROETHANE	99.00	103	416.7	400.00	4.20	4.95	117.9%		
BENZENE	78.10	104	331.9	300.00	3.30	3.99	120.9%		
ISOCTANE (2,2,4-trimethylpentar	114.23	100	466.8	500.00	4.70	5.50	117.0%		
HEPTANE	100.20	100	409.5	400.00	4.10	4.80	117.1%		
TRICHLOROETHENE	131.30	104	558.0	600.00	5.60	6.51	116.3%		
1,2 DICHLOROPROPANE	113.00	103	475.6	500.00	4.80	5.78	120.4%		
1,4-DIOXANE (p-DIOXANE)	88.11	94	338.5	300.00	3.40	4.34	127.6%		
BROMODICHLOROMETHANE	163.90	94	629.6	600.00	6.30	7.01	111.3%		

COMPOUND	MOL. WT	CONVERT		Cylinder #AB-100279				
		FROM	TO	Cylinder #AB-100180				
		CONC	CONC					
		PPBv						
CONC FACTOR (@25 C)	24.47	Spectra	UG/M3	UG/M3	LCS			
		Restek		Nominal	Level	ICV020711R1		
					1	(Can 4155; MFC 4&5; Pos.16)		
						True Value	ug/m3 % Recov	FAIL?
CIS-1,3-DICHLOROPROPENE	111.00	100	453.6	500.00	4.50	6.74	149.8%	FAIL
METHYL ISOBUTYL KETONE	100.20	106	434.0	400.00	4.30	5.61	130.5%	FAIL
TOLUENE	92.15	104	391.6	400.00	3.90	4.90	125.6%	
TRANS-1,3-DICHLOROPROPENE	110.97	105	476.2	500.00	4.80	8.22	171.3%	FAIL
1,1,2-TRICHLOROETHANE	133.41	102	556.1	600.00	5.60	6.85	122.3%	
TETRACHLOROETHENE	165.83	105	711.6	700.00	7.10	8.42	118.6%	
METHYL BUTYL KETONE	100.16	104	425.7	400.00	4.30	6.90	160.5%	FAIL
DIBROMOCHLOROMETHANE	208.30	99	842.7	800.00	8.40	9.80	116.7%	
1,2-DIBROMOETHANE (EDB)	187.90	102	783.2	800.00	7.80	11.83	151.7%	FAIL
CHLOROBENZENE	112.56	103	473.8	500.00	4.70	5.83	124.0%	
ETHYLBENZENE	106.17	103	446.9	400.00	4.50	5.76	128.0%	
(M- AND/OR P-)XYLENE	106.17	206	893.8	900.00	8.90	11.47	128.9%	
O-XYLENE	106.17	103	446.9	400.00	4.50	5.65	125.6%	
STYRENE	104.16	101	429.9	400.00	4.30	5.51	128.1%	
BROMOFORM	252.77	101	1043.3	1000.00	10.40	11.62	111.7%	
1,1,2,2-TETRACHLOROETHANE	167.86	102	699.7	700.00	7.00	9.23	131.9%	FAIL
4-ETHYLTOLUENE(1-ethyl-4methy	120.19	208	1021.6	1000.00	10.20	12.15	119.1%	
1,3,5-TRIMETHYLBENZENE	120.19	97	476.4	500.00	4.80	5.08	105.8%	
1,2,4-TRIMETHYLBENZENE	120.19	99	486.3	500.00	4.90	4.53	92.4%	
1,3-DICHLOROBENZENE	147.01	101	606.8	600.00	6.10	6.45	105.7%	
1,4-DICHLOROBENZENE	147.01	102	612.8	600.00	6.10	6.08	99.7%	
BENZYL CHLORIDE	126.59	97	501.8	500.00	5.00	4.35	87.0%	
1,2-DICHLOROBENZENE	147.01	100	600.8	600.00	6.00	6.48	108.0%	
1,2,4-TRICHLOROBENZENE	181.45	95	704.4	700.00	7.00	2.38	34.0%	FAIL
HEXACHLOROBUTADIENE	260.76	99	1055.0	1100.00	10.50	12.65	120.5%	

Response Factor Report V5973val

Method Path : C:\msdchem\1\METHODS\
 Method File : TO15_020711.M
 Title : TO15
 Last Update : Mon Feb 07 16:09:07 2011
 Response Via : Initial Calibration

Calibration Files

0.2 =AS020711L02.D 0.5 =AS020711L05.D 1 =AS020711L1.D 2 =AS020711L2.D 4 =AS020711L4.D 6 =AS020711L6.D

Compound	0.2	0.5	1	2	4	6	Avg	%RSD
1) I IS01 Difluorobenzene								
2) TCMP7001 Propene	4.265	4.025	3.081	2.903	2.809	3.416	19.82	
3) TCMP7005 Freon 12 ...	4.774	4.713	4.603	3.769	3.608	3.490	14.36	
4) TCMP7017 Freon 114...	3.756	3.756	3.624	3.001	2.904	2.787	13.73	
5) TCMP7025 Chloromet...		4.213	3.844	3.297	3.153	3.096	13.84	
6) TCMP7035 Vinyl Chl...	3.452	3.357	3.379	2.808	2.775	2.730	11.18	
7) TCMP7018 1,3-Butad...	3.090	3.152	3.163	2.581	2.497	2.411	12.60	
8) TCMP7030 Bromomethane	1.765	1.722	1.708	1.416	1.371	1.342	12.65	
9) TCMP7040 Chloroethane		1.896	1.815	1.498	1.457	1.443	13.33	
10) TCMP7008 Vinyl Bro...	2.011	1.994	2.007	1.636	1.624	1.612	11.48	
11) TCMP7010 Freon 11 ...	3.853	3.813	3.693	3.049	2.967	2.888	13.44	
12) TCMP7011 Freon 113...	2.451	2.373	2.394	1.964	1.915	1.851	12.75	
13) TCMP7050 1,1-Dichl...	3.182	3.140	3.090	2.609	2.549	2.486	11.49	
14) TCMP7051 Acetone		4.290	4.370	3.173	3.501	3.525	14.02	
15) TCMP7024 Isopropanol		3.735	3.729	3.883	4.012	4.194	5.03	
16) TCMP7052 Carbon Di...	7.719	7.509	7.571	6.349	6.233	6.142	10.84	
17) TCMP7026 3-Chlorop...	2.547	2.510	2.582	2.123	2.141	2.128	9.79	
18) TCMP7045 Methylene...	2.473	2.361	2.388	1.955	1.930	1.898	12.27	
19) TCMP7020 Acrylonit...	1.311	1.486	1.671	1.389	1.547	1.586	8.81	
20) TCMP7915 Methyl T-	4.971	5.375	6.080	4.577	5.045	5.050	9.80	
21) TCMP7060 trans-1,2...	3.131	3.045	3.102	2.570	2.500	2.463	11.48	
22) TCMP7016 Hexane	4.320	4.252	4.211	3.442	3.430	3.389	12.03	
23) TCMP7055 1,1-Dichl...	3.514	3.511	3.657	2.904	2.946	2.935	10.81	
24) TCMP7028 Vinyl Ace...	2.398	2.731	3.178	2.443	2.826	2.907	10.70	
25) TCMP7058 Methyl Et...	1.052	1.147	1.221	0.999	1.112	1.178	7.35	
26) TCMP7056 cis-1,2-D...	2.128	2.266	2.220	1.835	1.853	1.826	10.18	
27) TCMP7029 Ethyl Ace...		0.518	0.607	0.486	0.541	0.573	8.60	
28) TCMP7065 Chloroform	3.191	3.259	3.338	2.715	2.724	2.674	10.39	
29) TCMP7032 Tetrahydr...		2.283	2.492	2.064	2.309	2.312	6.64	
30) S SS17 Dibromofl...						0.000#	-1.00	
31) TCMP7075 1,1,1-Tri...	2.994	3.073	3.079	2.543	2.561	2.516	10.04	
32) TCMP7013 Cyclohexane	4.470	4.286	4.502	3.637	3.613	3.564	11.29	
33) TCMP7080 Carbon Te...	2.599	2.587	2.718	2.224	2.228	2.192	9.69	
34) TCMP7070 1,2-Dichl...	2.148	2.193	2.274	1.861	1.892	1.890	8.93	
35) TCMP7105 Benzene	8.070	8.517	8.520	6.773	6.963	6.870	11.03	
36) TCMP7036 Isooctane...	9.466	9.701	9.676	7.810	7.758	7.617	11.97	
37) TCMP7038 Heptane		3.373	3.527	3.454	2.804	2.801	11.75	
38) TCMP7100 Trichloro...	2.048	2.110	2.111	1.732	1.731	1.718	10.49	
39) TCMP7090 1,2-Dichl...	1.641	1.781	1.857	1.499	1.569	1.577	8.31	

Method Path : C:\msdchem\1\METHODS\

Method File : TO15_020711.M

40)	TCMP7043	1,4-Dioxane	1.034	1.157	1.334	1.444	1.535	1.301	15.76	
41)	TCMP7085	Bromodich...	2.553	2.737	2.869	2.373	2.468	2.468	2.578	7.30
42)	I	IS02 Chlorobenzene-D5	-----ISTD-----							
43)	TCMP7120	cis-1,3-D...	2.093	2.343	2.410	2.052	2.115	2.239	2.209	6.60
44)	TCMP7086	Methyl Is...	3.118	3.412	3.497	3.711	4.064	3.560		9.91
45)	S	SS11 Toluene-D8						0.000#		-1.00
46)	TCMP7145	Toluene	0.916	0.964	1.017	0.812	0.823	0.841	0.896	E1 9.35
47)	TCMP7095	trans-1,3...	1.266	1.439	1.559	1.298	1.378	1.487	1.405	8.01
48)	TCMP7115	1,1,2-Tri...	2.088	2.196	2.239	1.829	1.860	1.907	2.020	8.81
49)	TCMP7140	Tetrachlo...	2.735	2.826	2.777	2.249	2.221	2.266	2.513	11.70
50)	TCMP7142	Methyl Bu...		1.840	2.096	2.669	2.915	3.198	2.544	22.21
51)	TCMP7110	Dibromoch...	2.036	2.250	2.388	2.142	2.225	2.293	2.222	5.49
52)	TCMP7720	1,2-Dibro...	1.366	1.544	1.612	1.346	1.395	1.458	1.454	7.28
53)	TCMP7150	Chloroben...	5.811	6.130	6.213	5.161	5.263	5.388	5.661	8.02
54)	TCMP7155	Ethylbenzene	0.903	0.997	1.082	0.877	0.906	0.917	0.947	E1 8.19
55)	TCMP7156	(m- and.o...	6.671	7.559	8.186	6.595	6.734	6.678	7.071	9.24
56)	TCMP7157	o-Xylene	6.714	7.754	8.332	6.839	7.086	7.142	7.311	8.43
57)	TCMP7158	Styrene	3.808	4.778	5.384	4.796	5.188	5.360	4.886	12.09
58)	I	IS03 1,4-Dichlorob...	-----ISTD-----							
59)	TCMP7130	Bromoform	3.681	4.314	4.495	4.651	4.766	5.164	4.512	11.03
60)	S	SS19 p-Bromofl...							0.000#	-1.00
61)	TCMP7135	1,1,2,2-T...	9.155	9.794	9.960	8.330	8.457	9.029	9.121	7.33
62)	TCMP7047	4-Ethylto...	2.581	2.807	3.006	2.431	2.409	2.365	2.600	E1 9.85
63)	TCMP7902	1,3,5-Tri...	2.150	2.313	2.499	2.007	2.133	2.209	2.218	E1 7.67
64)	TCMP7904	1,2,4-Tri...	1.925	2.091	2.200	1.858	1.992	2.087	2.026	E1 6.15
65)	TCMP7195	1,3-Dichl...	1.174	1.275	1.254	1.115	1.116	1.196	1.188	E1 5.66
66)	TCMP7200	1,4-Dichl...	1.084	1.150	1.167	1.061	1.067	1.145	1.112	E1 4.21
67)	TCMP7063	Benzyl Ch...	0.931	1.010	1.140	1.457	1.619	1.769	1.321	E1 26.00
68)	TCMP7205	1,2-Dichl...	4.454	4.871	4.889	4.436	4.388	4.679	4.620	4.88
69)	TCMP7909	1,2,4-Tri...	3.439	3.604	3.718	4.647	4.754	4.810	4.162	15.34
70)	TCMP7910	Hexachlor...	2.404	2.531	2.407	2.389	2.314	2.278	2.387	3.69

(#) = Out of Range

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BLK1.D
 Acq On : 8 Feb 2011 6:50 am
 Operator : FW
 Sample : 1102049-BLK1
 Misc : can2771,500cc,ip=13.5,fp=30
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 08 07:28:05 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Tue Feb 08 07:28:02 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

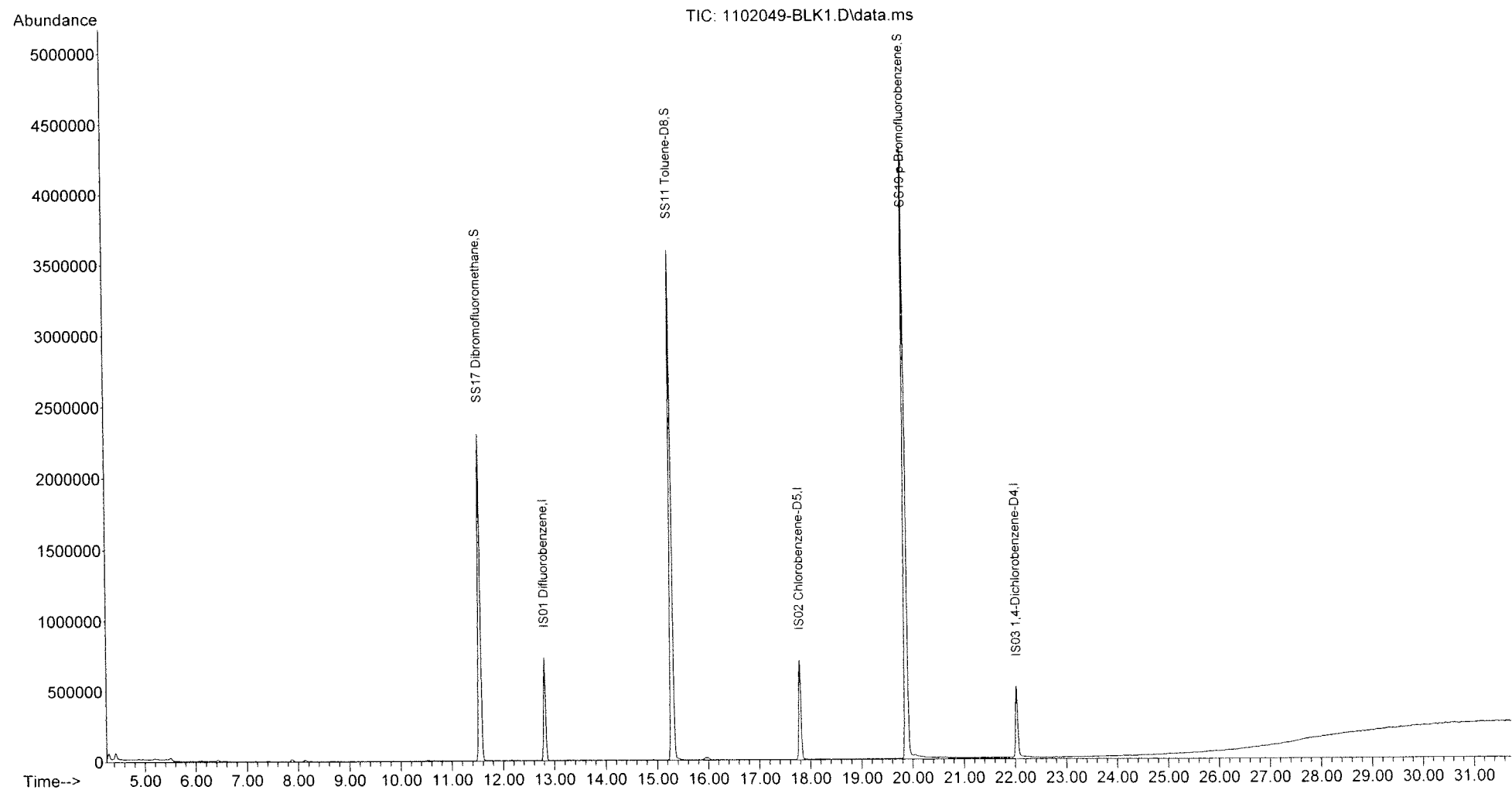
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	1019216	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	751803	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	278509	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2307595	100.00	% Rec	0.00
4) SS11 Toluene-D8	15.298	98	3968792	100.00	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.880	174	2281180	100.00	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020711\
Data File : 1102049-BLK1.D
Acq On : 8 Feb 2011 6:50 am
Operator : FW
Sample : 1102049-BLK1
Misc : can2771,500cc,ip=13.5,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 08 07:28:05 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Tue Feb 08 07:28:02 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D



InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 08 07:28:49 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Tue Feb 08 07:28:01 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D

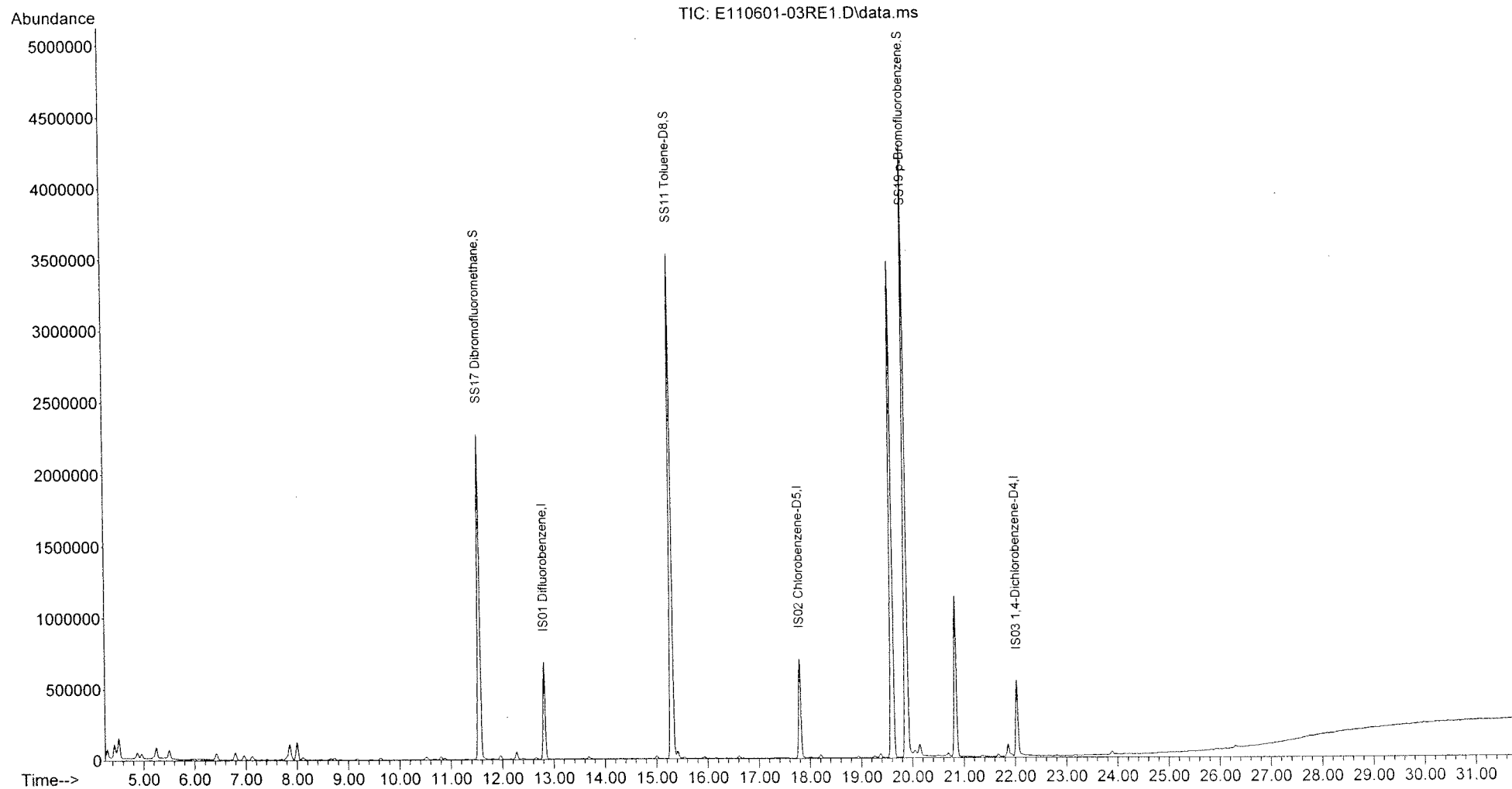
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	962581	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	747419	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	295311	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2279713	104.60	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3927101	99.53	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2296041	94.92	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020711\
Data File : E110601-03RE1.D
Acq On : 7 Feb 2011 6:50 pm
Operator : FW
Sample : E110601-03RE1
Misc : can5930,500cc,ip=13,fp=30
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 08 07:28:49 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Tue Feb 08 07:28:01 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 08 07:28:54 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Tue Feb 08 07:28:01 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D

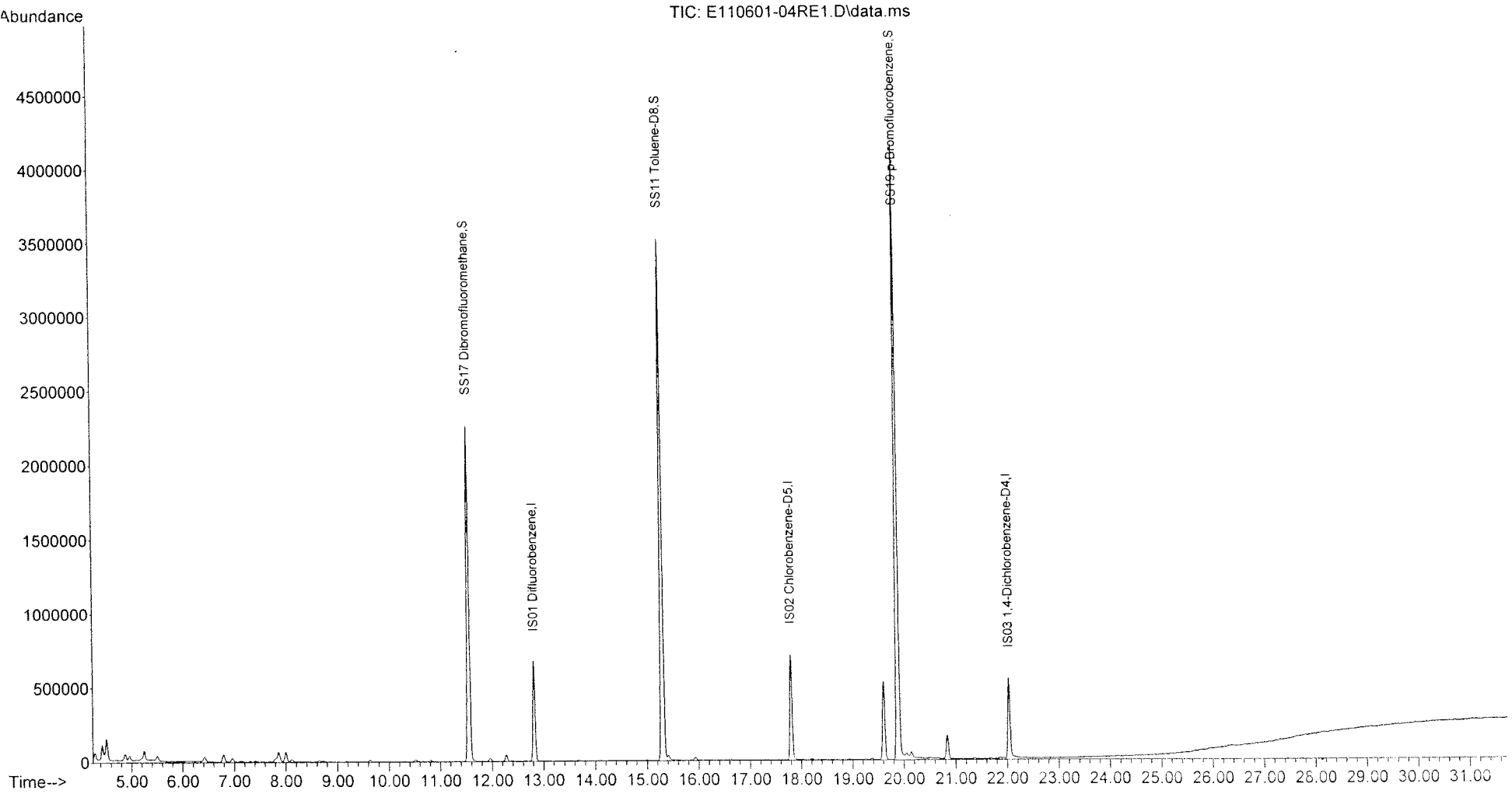
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.820	114	961939	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	755600	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	302940	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2289088	105.10	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3906704	97.94	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2236536	90.14	% Rec	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020711\
Data File : E110601-04RE1.D
Acq On : 7 Feb 2011 7:40 pm
Operator : FW
Sample : E110601-04RE1
Misc : can2783,500cc,ip=13,fp=30
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 08 07:28:54 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
Last Update : Tue Feb 08 07:28:01 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-05RE1.D
 Acq On : 7 Feb 2011 8:29 pm
 Operator : FW
 Sample : E110601-05RE1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 08 07:28:59 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Tue Feb 08 07:28:01 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D

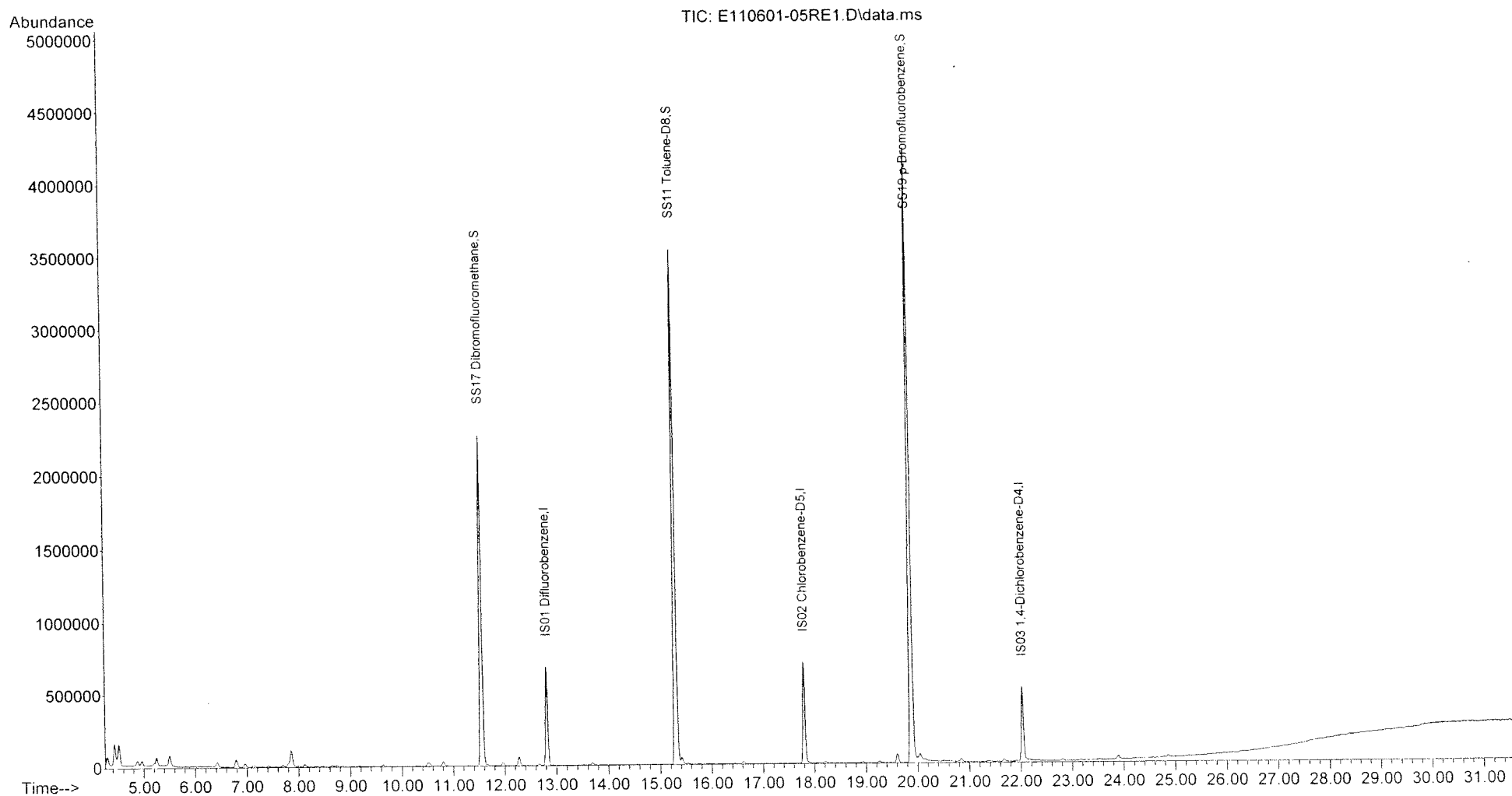
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.820	114	967003	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	746150	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	289813	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2280492	104.16	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3931330	99.81	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2258927	95.16	% Rec	0.00
Target Compounds						
						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
Data Path : C:\msdchem\1\DATA\020711\
Data File : E110601-05RE1.D
Acq On : 7 Feb 2011 8:29 pm
Operator : FW
Sample : E110601-05RE1
Misc : can5928,500cc,ip=13.3,fp=30
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 08 07:28:59 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Tue Feb 08 07:28:01 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D



InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-DUP1.D
 Acq On : 7 Feb 2011 9:19 pm
 Operator : FW
 Sample : 1102049-DUP1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 08 07:28:44 2011
 Quant Method : C:\msdchem\1\METHODS\TO15SS.M
 Quant Title : TO15
 QLast Update : Tue Feb 08 07:28:01 2011
 Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D

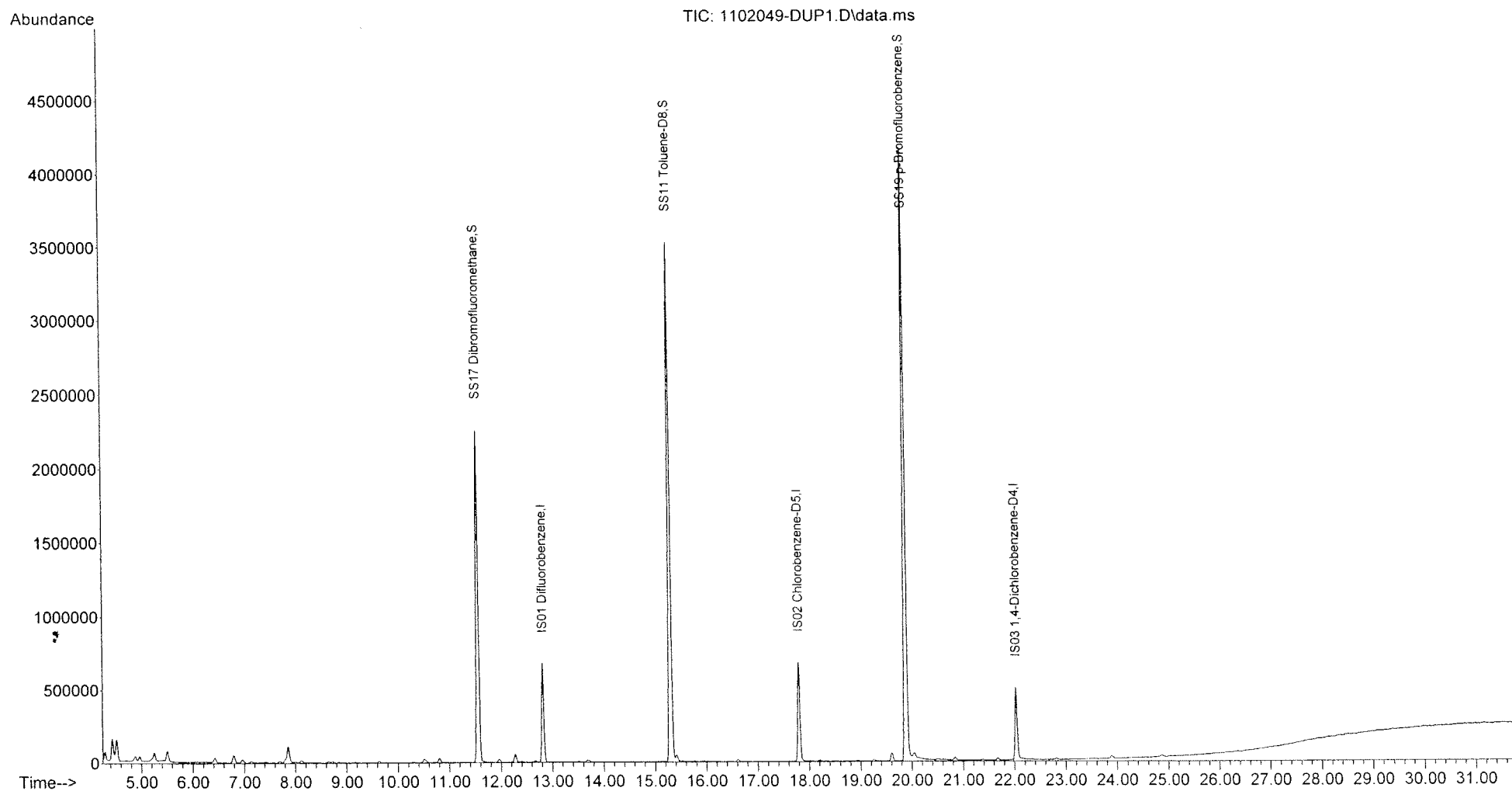
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.820	114	953706	23.80	UG/M3	0.00
3) IS02 Chlorobenzene-D5	17.800	117	730212	23.90	UG/M3	0.00
5) IS03 1,4-Dichlorobenze...	22.033	152	283117	30.00	UG/M3	0.00
System Monitoring Compounds						
2) SS17 Dibromofluoromethane	11.554	111	2271815	105.21	% Rec	0.00
4) SS11 Toluene-D8	15.304	98	3929092	101.93	% Rec	0.00
6) SS19 p-Bromofluorobenzene	19.886	174	2229019	96.12	% Rec	0.00
Target Compounds						
						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
Data Path : C:\msdchem\1\DATA\020711\
Data File : 1102049-DUP1.D
Acq On : 7 Feb 2011 9:19 pm
Operator : FW
Sample : 1102049-DUP1
Misc : can5928,500cc,ip=13.3,fp=30
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 08 07:28:44 2011
Quant Method : C:\msdchem\1\METHODS\TO15SS.M
Quant Title : TO15
QLast Update : Tue Feb 08 07:28:01 2011
Response via : Continuing Cal File: C:\msdchem\1\DATA\020711\1102049-BLK1.D



PREPARATION BENCH SHEET

1102049

US-EPA, Region 4, SESD

Matrix: Air

Prepared using: OCS VOA - V TO-15 Air Canister

Printed: 2/7/2011 11:28:56AM

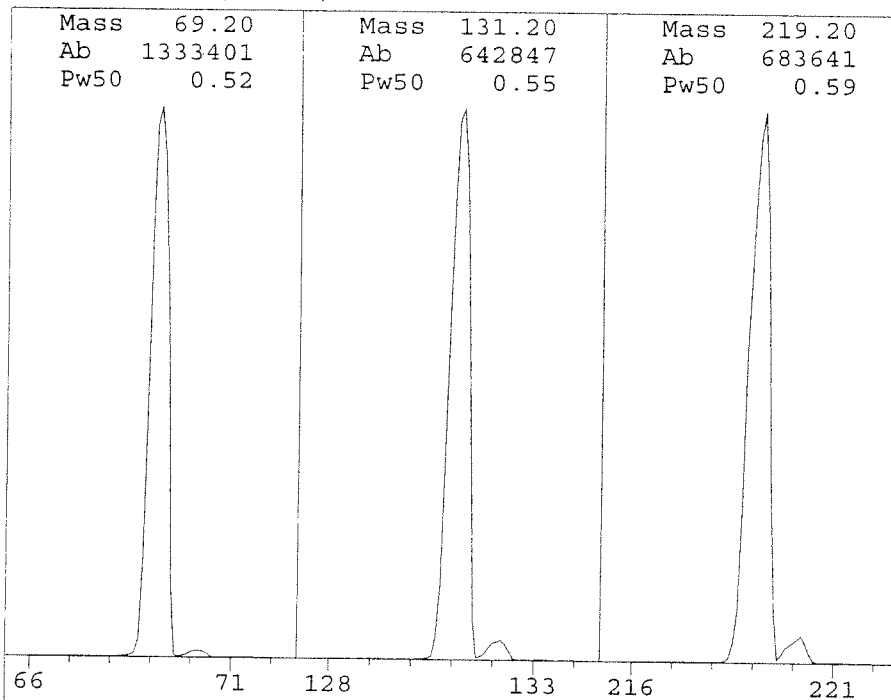
Lab Number	Prepared	Initial (psia)	Final (psia)	Spike ID	Source ID	ul Spike	ul Surrogate	Comments
1102049-BLK1	02/07/11 11:24	30	30				500	
1102049-BS1	02/07/11 11:24	30	30	0121310		500	500	
1102049-DUP1	02/07/11 11:24	13.3	30		E110601-05RE1		500	
1102049-PS1	02/07/11 11:24	30	30	0121312		100	500	
E110601-03RE1 v VOA TICS-2	02/01/11 13:47 v VOA Scan-2	13	30	Air Quality Management			500	From 1102004 by FW on 02/07/11 Added 2/4/2011 by FW
E110601-04RE1 v VOA TICS-2	02/01/11 13:47 v VOA Scan-2	13	30	Air Quality Management			500	From 1102004 by FW on 02/07/11 Added 2/4/2011 by FW
E110601-05RE1 v VOA TICS-2	02/01/11 13:47 v VOA Scan-2	13.3	30	Air Quality Management			500	From 1102004 by FW on 02/07/11 Added 2/4/2011 by FW

From 1102004 on 02/07/11 by FW

Spiking Witnessed By _____ Date _____

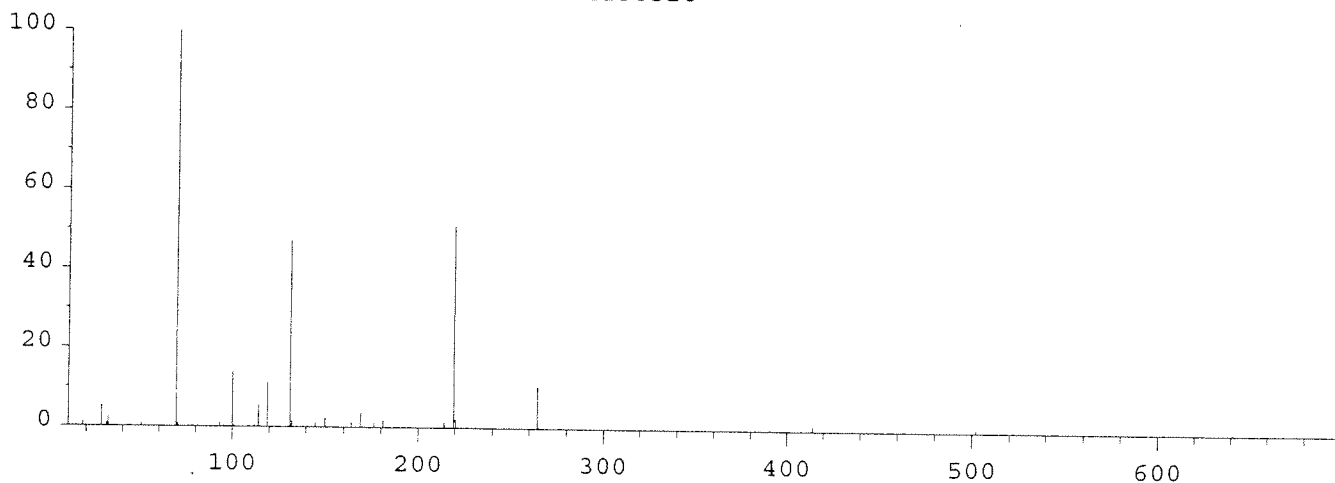
Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____



Ion Pol Pos MassGain 216
 MassOffs -11
 Emission 45.7 AmuGain 2143
 EIEnrgy 68.1 AmuOffs 126
 Filament 1 Wid219 0.001
 DC Pol Pos
 Repeller 26.10
 IonFcus 52.2 HEDenab On
 EntLens Var EMVolts 1588
 EntOffs 11.55
 Samples 8
 PFTBA Open Averages 3
 Stepsize 0.10
 Temperatures and Pressures:
 MS Source 230 TurboSpd 100
 MS Quad 150

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100 Step: 0.10
 242 peaks Base: 69.20 Abundance: 1238528



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.20	1238528	100.00	70.20	11884	0.96
131.10	589056	47.56	132.20	19376	3.29
219.10	631168	50.96	220.10	26304	4.17

Air/Water Check: H2O~1.21% N2~5.25% O2~2.82% CO2~0.32% N2/H2O-432.59%

Column Flow: Front: 0.875 Back: 0 ml/min. Interface Temp: 0

Ramp Criteria:

Ion Focus Maximum 110 volts using ion 219; EM Gain 403782
 Repeller Maximum 40 volts using ion 131; Gain Factor 4.04

MassGain Values(Samples): 216(3) 238(2) 281(1) 320(0) 383(FS)

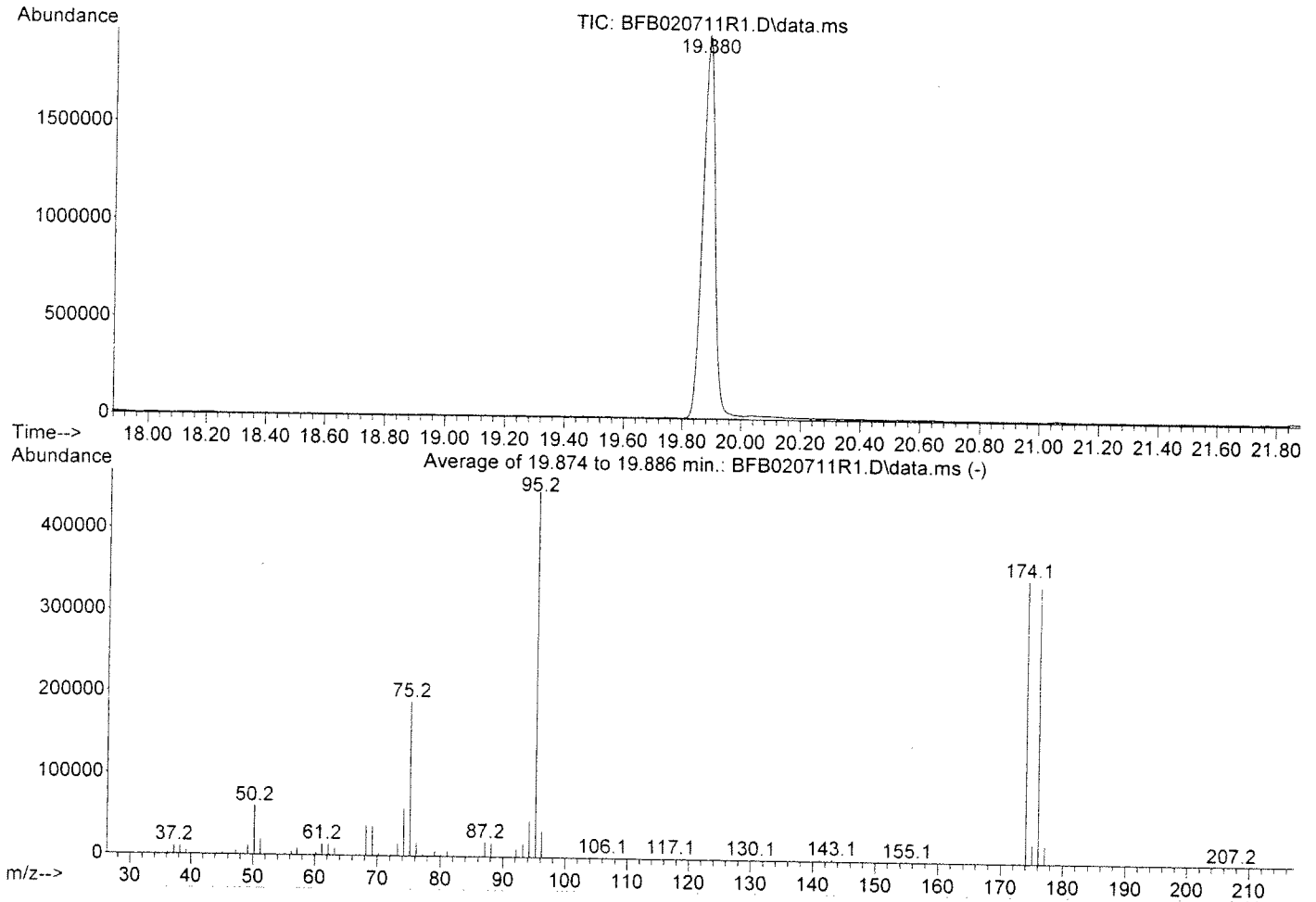
TARGET MASS: 50 69 131 219 414 502 800

 Amu Offset: 126.0 126.0 126.0 126.0 126.0 126.0 126.0
 Entrance Lens Offset: 11.5 11.5 11.5 11.5 11.5 11.5 11.5

Data Path : C:\msdchem\1\DATA\020711\
 Data File : BFB020711R1.D
 Acq On : 7 Feb 2011 9:46 am
 Operator : FW
 Sample : BFB020711R1
 Misc : can4349/250cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\TO15_020311.M
 Title : TO15
 Last Update : Fri Feb 04 05:20:48 2011



AutoFind: Scans 2555, 2556, 2557; Background Corrected with Scan 2543

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.3	59832	PASS
75	95	30	66	42.2	189099	PASS
95	95	100	100	100.0	448256	PASS
96	95	5	9	7.1	32027	PASS
173	174	0.00	2	0.5	1616	PASS
174	95	50	120	77.2	345877	PASS
175	174	4	9	6.9	23741	PASS
176	174	93	101	97.9	338539	PASS
177	176	5	9	6.6	22251	PASS

Average of 19.874 to 19.886 min.: BFB020711R1.D\data.ms

FB020711R1

Modified: subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	1929	51.20	18608	68.20	37219	80.10	2559
37.20	10672	52.20	1009	69.20	36395	81.10	6107
38.20	10254	55.20	854	70.20	2991	82.10	1865
39.20	4451	56.20	4442	72.15	1975	87.15	17632
40.10	121	57.20	8158	73.20	14770	88.10	16702
44.20	1519	60.20	2658	74.20	57765	91.10	980
45.15	2369	61.20	13982	75.20	189099	92.15	9660
47.20	4725	62.20	13747	76.20	15991	93.20	15778
48.10	1497	63.20	10582	77.20	2481	94.20	44008
49.20	11267	64.15	986	78.15	1946	95.20	448256
50.20	59832	67.15	865	79.10	5922	96.20	32027

Average of 19.874 to 19.886 min.: BFB020711R1.D\data.ms

FB020711R1

Modified: subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.20	1002	135.00	609	177.10	22251		
104.10	1234	137.05	571	178.00	683		
105.00	346	141.05	2492	207.15	186		
106.05	1261	143.05	2656				
116.10	1045	147.95	847				
117.10	1823	155.10	918				
118.10	1143	157.00	716				
119.05	1538	173.00	1616				
128.05	1176	174.10	345877				
129.00	692	175.10	23741				
130.10	1244	176.10	338539				

TIC: BFB020711R1.D\data.ms
BFB020711R1

Peak #	Ret Time	Type	Width	Area	Start Time	End Time
1	11.554	rBV	0.177	3335423	11.474	11.652
2	15.298	rBV	0.184	5062732	15.212	15.396
3	19.880	rBV	0.202	5755355	19.806	20.008

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : LB020711R1.D
 Acq On : 7 Feb 2011 10:36 am
 Operator : FW
 Sample : LB020711R1
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 07 11:41:16 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.814	114	997714	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	769755	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	285751	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.426	41	28166	0.19	UG/M3		88
3) 7005 Freon 12 (CL2F2Me...	4.518	85	3355	0.02	UG/M3#		49
4) 7017 Freon 114 (Cl2F4E...	0.000		0		N.D.		
5) 7025 Chloromethane	0.000		0		N.D.		
6) 7035 Vinyl Chloride	0.000		0		N.D.		
7) 7018 1,3-Butadiene	0.000		0		N.D.		
8) 7030 Bromomethane	0.000		0		N.D.		
9) 7040 Chloroethane	0.000		0		N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0		N.D.		
11) 7010 Freon 11 (Cl3Fmet...	0.000		0		N.D.		
12) 7011 Freon 113 (Cl3F3E...	0.000		0		N.D.		
13) 7050 1,1-Dichloroethene	0.000		0		N.D.		
14) 7051 Acetone	7.859	43	71473	0.41	UG/M3		98
15) 7024 Isopropanol	8.097	45	31808	0.18	UG/M3		83
16) 7052 Carbon Disulfide	0.000		0		N.D.		
17) 7026 3-Chloropropene (...)	0.000		0		N.D.		
18) 7045 Methylene Chloride	0.000		0		N.D.		
19) 7020 Acrylonitrile	0.000		0		N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0		N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0		N.D.		
22) 7016 Hexane	0.000		0		N.D.		
23) 7055 1,1-Dichloroethane	0.000		0		N.D.		
24) 7028 Vinyl Acetate	0.000		0		N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0		N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0		N.D.		
27) 7029 Ethyl Acetate	0.000		0		N.D.		
28) 7065 Chloroform	0.000		0		N.D.		
29) 7032 Tetrahydrofuran	0.000		0		N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0		N.D.		
32) 7013 Cyclohexane	0.000		0		N.D.		
33) 7080 Carbon Tetrachloride	0.000		0		N.D.		
34) 7070 1,2-Dichloroethane	0.000		0		N.D.		
35) 7105 Benzene	12.269	78	6069	0.02	UG/M3#		53
36) 7036 Isooctane (2,2,4-...	0.000		0		N.D.		
37) 7038 Heptane	0.000		0		N.D.		
38) 7100 Trichloroethene	0.000		0		N.D.		
39) 7090 1,2-Dichloropropene	0.000		0		N.D.		
40) 7043 1,4-Dioxane	0.000		0		N.D.		
41) 7085 Bromodichloromethane	0.000		0		N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0		N.D.		

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : LB020711R1.D
 Acq On : 7 Feb 2011 10:36 am
 Operator : FW
 Sample : LB020711R1
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

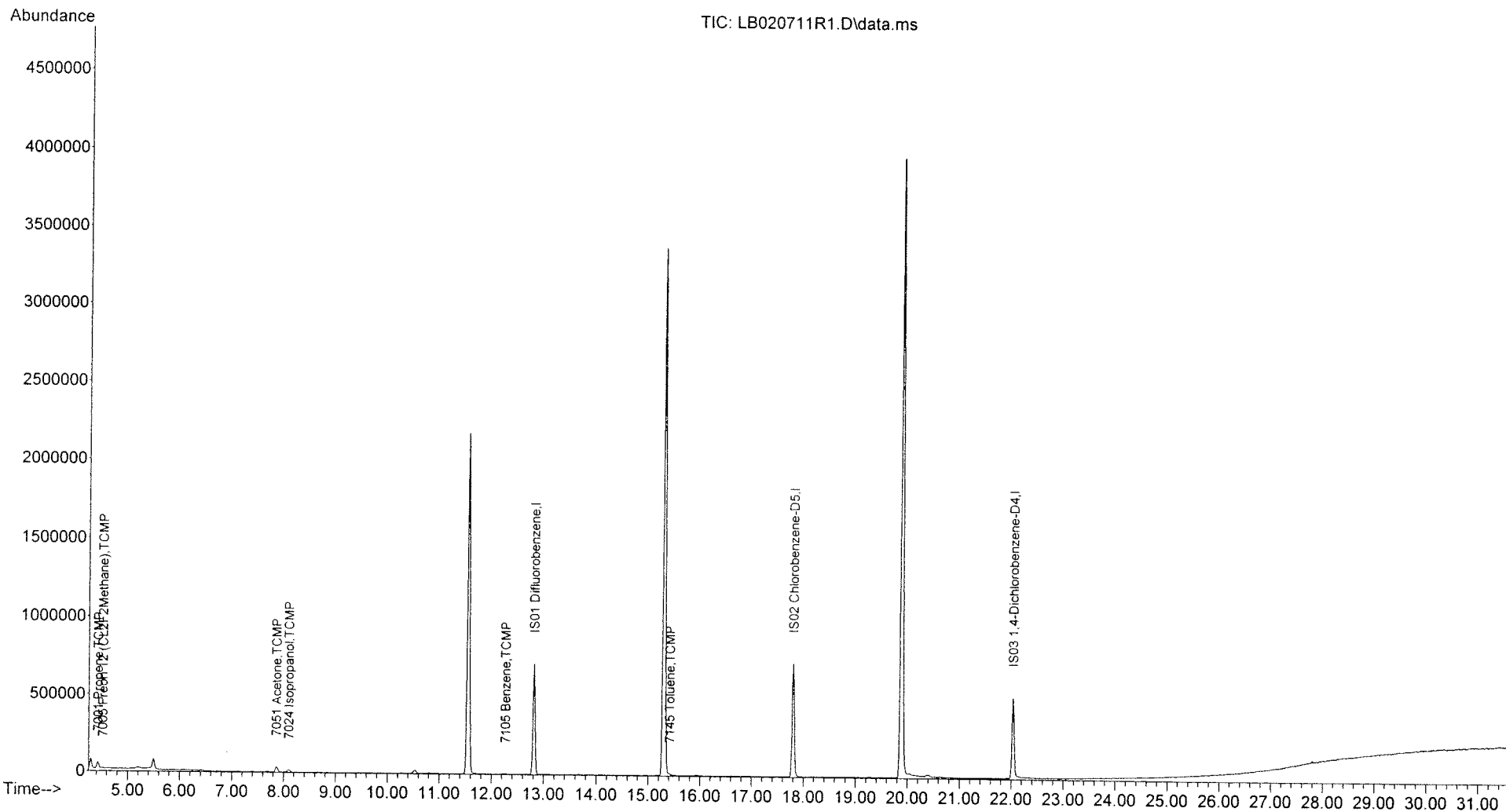
Quant Time: Feb 07 11:41:16 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	5369	0.02	UG/M3	96
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	0.000		0		N.D.	
55) 7156 (m- and.or p-) Xy...	0.000		0		N.D.	
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	0.000		0		N.D.	
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	0.000		0		N.D.	
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
Data Path : C:\msdchem\1\DATA\020711\
Data File : LB020711R1.D
Acq On : 7 Feb 2011 10:36 am
Operator : FW
Sample : LB020711R1
Misc : can4349/500cc/0121314
ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 07 11:41:16 2011
Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
Quant Title : TO15
QLast Update : Fri Feb 04 05:19:29 2011
Response via : Initial Calibration



InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L02.D
 Acq On : 7 Feb 2011 11:24 am
 Operator : FW
 Sample : 1102049-PS1
 Misc : can4017/100ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 11:54:05 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.814	114	922861	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	720222	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	270112	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.374	98	4922	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.426	41	78847	0.57	UG/M3		95
3) 7005 Freon 12 (CL2F2Me...	4.512	85	185105	1.15	UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.836	85	205347	1.62	UG/M3		99
5) 7025 Chloromethane	4.959	50	66292	0.47	UG/M3		99
6) 7035 Vinyl Chloride	5.240	62	69611	0.58	UG/M3		99
7) 7018 1,3-Butadiene	5.344	54	106634	0.96	UG/M3		99
8) 7030 Bromomethane	6.011	94	54052	0.94	UG/M3		100
9) 7040 Chloroethane	6.231	64	39512	0.64	UG/M3		99
10) 7008 Vinyl Bromide (Br...	6.641	106	71724	1.02	UG/M3		99
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	176294	1.34	UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.797	101	147297	1.77	UG/M3		99
13) 7050 1,1-Dichloroethene	7.797	61	97482	0.86	UG/M3		97
14) 7051 Acetone	7.858	43	85218	0.53	UG/M3		97
15) 7024 Isopropanol	8.091	45	91063	0.56	UG/M3		89
16) 7052 Carbon Disulfide	8.244	76	188562	0.71	UG/M3		94
17) 7026 3-Chloropropene (...)	8.433	41	119520	1.26	UG/M3		99
18) 7045 Methylene Chloride	8.635	49	67118	0.77	UG/M3		99
19) 7020 Acrylonitrile	9.033	53	22367	0.36	UG/M3#		87
20) 7915 Methyl T-Butyl Ether	9.162	73	152288	0.72	UG/M3		97
21) 7060 trans-1,2-Dichlor...	9.143	61	94706	0.86	UG/M3		99
22) 7016 Hexane	9.626	57	120609	0.79	UG/M3		99
23) 7055 1,1-Dichloroethane	9.847	63	113079	0.87	UG/M3		100
24) 7028 Vinyl Acetate	9.883	43	66018	0.56	UG/M3		97
25) 7058 Methyl Ethyl Ketone	10.795	72	23651	0.53	UG/M3		98
26) 7056 cis-1,2-Dichloroe...	10.801	96	67654	0.87	UG/M3		97
27) 7029 Ethyl Acetate	10.874	70	12933	0.58	UG/M3		94
28) 7065 Chloroform	11.297	83	123747	1.06	UG/M3		100
29) 7032 Tetrahydrofuran	11.321	42	45038	0.46	UG/M3		97
31) 7075 1,1,1-Trichloroet...	11.670	97	128859	1.17	UG/M3		100
32) 7013 Cyclohexane	11.804	56	123066	0.77	UG/M3		99
33) 7080 Carbon Tetrachloride	11.957	117	132008	1.39	UG/M3		99
34) 7070 1,2-Dichloroethane	12.251	62	69144	0.84	UG/M3		98
35) 7105 Benzene	12.269	78	206520	0.69	UG/M3		99
36) 7036 Isooctane (2,2,4-...	12.392	57	356021	1.03	UG/M3		99
37) 7038 Heptane	12.649	43	112465	0.88	UG/M3		98
38) 7100 Trichloroethene	13.297	132	88954	1.19	UG/M3		97
39) 7090 1,2-Dichloropropane	13.658	63	60467	0.90	UG/M3		98
40) 7043 1,4-Dioxane	13.884	88	22686	0.44	UG/M3		97
41) 7085 Bromodichloromethane	14.068	83	124747	1.21	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	58657	0.86	UG/M3		98

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L02.D
 Acq On : 7 Feb 2011 11:24 am
 Operator : FW
 Sample : 1102049-PS1
 Misc : can4017/100ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 11:54:05 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020311.M
 Quant Title : TO15
 QLast Update : Fri Feb 04 05:19:29 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.028	43	70752	0.61	UG/M3	99
46) 7145 Toluene	15.414	91	215387	0.79	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.701	75	37763	0.86	UG/M3	98
48) 7115 1,1,2-Trichloroet...	16.038	97	70468	1.15	UG/M3	95
49) 7140 Tetrachloroethene	16.380	166	116218	1.51	UG/M3	98
50) 7142 Methyl Butyl Ketone	16.429	43	41105	0.49	UG/M3	98
51) 7110 Dibromochloromethane	16.754	129	106734	1.55	UG/M3	97
52) 7720 1,2-Dibromoethane	16.998	107	65871	1.49	UG/M3	98
53) 7150 Chlorobenzene	17.855	112	168108	0.98	UG/M3	99
54) 7155 Ethylbenzene	18.014	91	244897	0.84	UG/M3	98
55) 7156 (m- and/or p-) Xy...	18.216	91	365874	1.68	UG/M3	97
56) 7157 o-Xylene	18.938	91	184115	0.81	UG/M3	99
57) 7158 Styrene	18.950	104	102139	0.65	UG/M3	97
59) 7130 Bromoform	19.311	173	70592	1.76	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	117868	1.48	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.540	105	478744	2.10	UG/M3	95
63) 7902 1,3,5-Trimethylbe...	20.644	105	189734	0.97	UG/M3	100
64) 7904 1,2,4-Trimethylbe...	21.354	105	175064	0.98	UG/M3	98
65) 7195 1,3-Dichlorobenzene	21.923	146	132140	1.26	UG/M3	99
66) 7200 1,4-Dichlorobenzene	22.082	146	123005	1.25	UG/M3	98
67) 7063 Benzyl Chloride	22.302	91	83012	0.72	UG/M3	97
68) 7205 1,2-Dichlorobenzene	22.792	111	49725	1.23	UG/M3	97
69) 7909 1,2,4-Trichlorobe...	25.814	180	45515	1.20	UG/M3	99
70) 7910 Hexachlorobutadiene	26.120	227	48052	2.15	UG/M3	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L05.D
 Acq On : 7 Feb 2011 12:13 pm
 Operator : FW
 Sample : AS020711L05
 Misc : can4017/250ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 13:51:03 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 11:55:03 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.814	114	941827	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	733310	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	282685	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.381	98	12505	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.427	41	155260	1.10	UG/M3		97
3) 7005 Freon 12 (CL2F2Me...	4.518	85	466276	2.83	UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.843	85	520153	3.98	UG/M3		100
5) 7025 Chloromethane	4.959	50	166712	1.17	UG/M3		98
6) 7035 Vinyl Chloride	5.246	62	172689	1.40	UG/M3		98
7) 7018 1,3-Butadiene	5.344	54	274434	2.41	UG/M3		98
8) 7030 Bromomethane	6.011	94	136268	2.28	UG/M3		99
9) 7040 Chloroethane	6.231	64	97561	1.54	UG/M3		99
10) 7008 Vinyl Bromide (Br...	6.641	106	181443	2.52	UG/M3		99
11) 7010 Freon 11 (Cl3Fmet...	6.788	101	437531	3.23	UG/M3		100
12) 7011 Freon 113 (Cl3F3E...	7.803	101	366210	4.27	UG/M3		99
13) 7050 1,1-Dichloroethene	7.797	61	248500	2.14	UG/M3		99
14) 7051 Acetone	7.852	43	186730	1.14	UG/M3		95
15) 7024 Isopropanol	8.091	45	192159	1.16	UG/M3		97
16) 7052 Carbon Disulfide	8.244	76	475459	1.73	UG/M3		97
17) 7026 3-Chloropropene (...)	8.440	41	297985	3.02	UG/M3		96
18) 7045 Methylene Chloride	8.636	49	168196	1.89	UG/M3		99
19) 7020 Acrylonitrile	9.033	53	64698	1.01	UG/M3#		87
20) 7915 Methyl T-Butyl Ether	9.156	73	425396	1.97	UG/M3		98
21) 7060 trans-1,2-Dichlor...	9.143	61	240983	2.13	UG/M3		100
22) 7016 Hexane	9.627	57	302837	1.94	UG/M3		99
23) 7055 1,1-Dichloroethane	9.847	63	291746	2.20	UG/M3		99
24) 7028 Vinyl Acetate	9.884	43	194552	1.61	UG/M3		98
25) 7058 Methyl Ethyl Ketone	10.789	72	63527	1.38	UG/M3		100
26) 7056 cis-1,2-Dichloroe...	10.807	96	179348	2.24	UG/M3		97
27) 7029 Ethyl Acetate	10.868	70	36930	1.61	UG/M3		98
28) 7065 Chloroform	11.297	83	322453	2.69	UG/M3		99
29) 7032 Tetrahydrofuran	11.321	42	126494	1.26	UG/M3		97
31) 7075 1,1,1-Trichloroet...	11.670	97	340542	3.02	UG/M3		99
32) 7013 Cyclohexane	11.804	56	305306	1.86	UG/M3		99
33) 7080 Carbon Tetrachloride	11.964	117	337856	3.46	UG/M3		99
34) 7070 1,2-Dichloroethane	12.251	62	182230	2.14	UG/M3		98
35) 7105 Benzene	12.276	78	539249	1.75	UG/M3		100
36) 7036 Isooctane (2,2,4-...	12.392	57	921337	2.59	UG/M3		99
37) 7038 Heptane	12.649	43	293124	2.23	UG/M3		98
38) 7100 Trichloroethene	13.297	132	233765	3.04	UG/M3		96
39) 7090 1,2-Dichloropropane	13.658	63	169112	2.48	UG/M3		100
40) 7043 1,4-Dioxane	13.872	88	69587	1.33	UG/M3		97
41) 7085 Bromodichloromethane	14.068	83	335796	3.18	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	165338	2.37	UG/M3		99

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L05.D
 Acq On : 7 Feb 2011 12:13 pm
 Operator : FW
 Sample : AS020711L05
 Misc : can4017/250ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

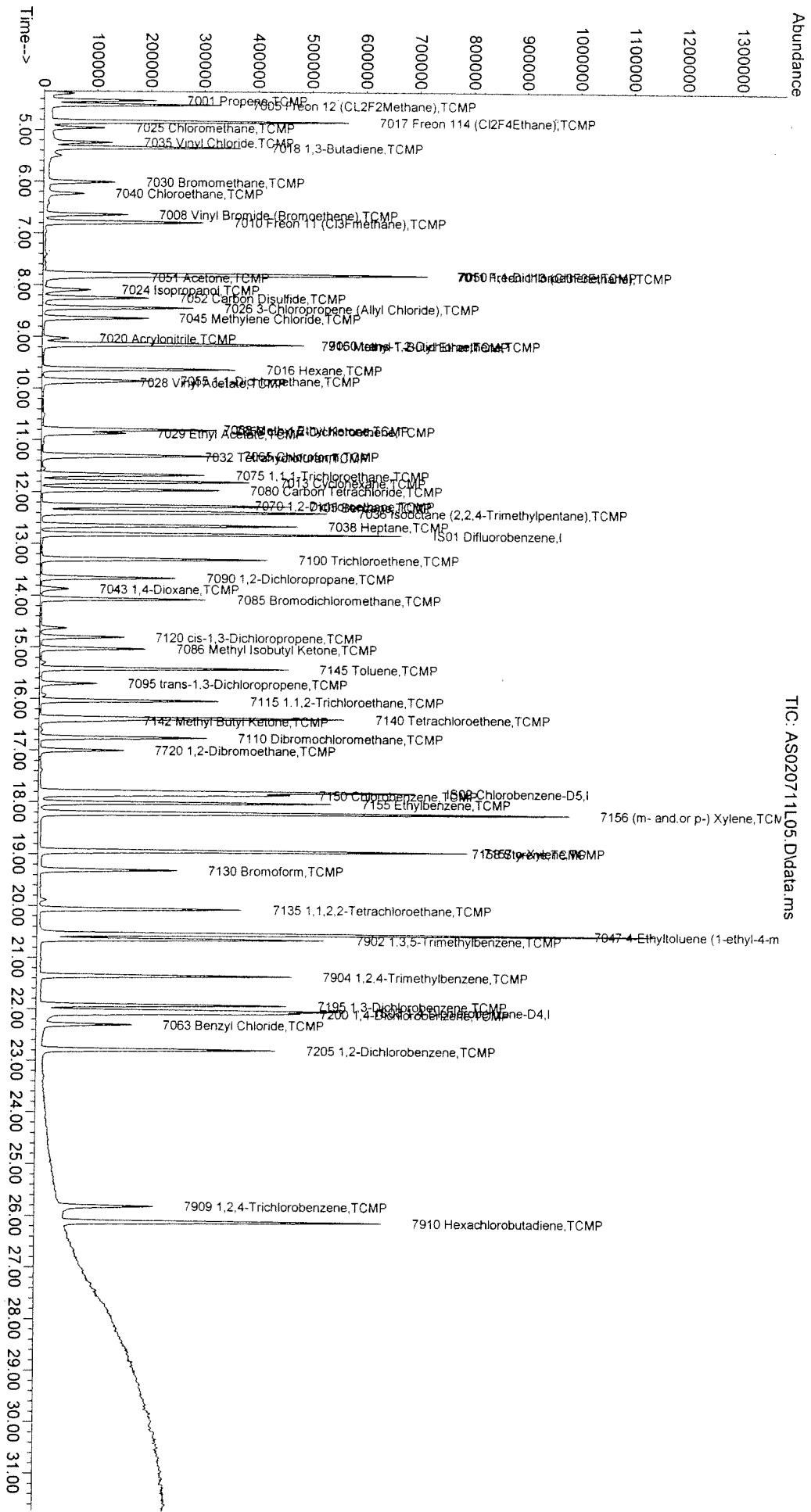
Quant Time: Feb 07 13:51:03 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 11:55:03 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.029	43	200873	1.71	UG/M3	99
46) 7145 Toluene	15.414	91	591660	2.11	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.701	75	110407	2.47	UG/M3	98
48) 7115 1,1,2-Trichloroet...	16.038	97	188624	3.01	UG/M3	97
49) 7140 Tetrachloroethene	16.381	166	303434	3.83	UG/M3	99
50) 7142 Methyl Butyl Ketone	16.429	43	118567	1.39	UG/M3	99
51) 7110 Dibromochloromethane	16.754	129	296832	4.21	UG/M3	97
52) 7720 1,2-Dibromoethane	16.998	107	189444	4.19	UG/M3	100
53) 7150 Chlorobenzene	17.855	112	451380	2.56	UG/M3	99
54) 7155 Ethylbenzene	18.014	91	703429	2.36	UG/M3	99
55) 7156 (m- and.or p-) Xy...	18.216	91	1066909	4.80	UG/M3	98
56) 7157 o-Xylene	18.938	91	547212	2.36	UG/M3	99
57) 7158 Styrene	18.950	104	322493	2.03	UG/M3	98
59) 7130 Bromoform	19.311	173	215454	5.13	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	332234	3.96	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.541	105	1375318	5.73	UG/M3	100
63) 7902 1,3,5-Trimethylbe...	20.645	105	544793	2.65	UG/M3	100
64) 7904 1,2,4-Trimethylbe...	21.354	105	492521	2.61	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	372417	3.39	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	346842	3.36	UG/M3	98
67) 7063 Benzyl Chloride	22.302	91	237898	1.94	UG/M3	97
68) 7205 1,2-Dichlorobenzene	22.792	111	142300	3.36	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	125641	3.15	UG/M3	98
70) 7910 Hexachlorobutadiene	26.120	227	131175	5.56	UG/M3	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
Data Path : C:\msdchem\1\DATA\020711\
Data File : AS020711L05.D
Acq On : 7 Feb 2011 12:13 pm
Operator : FW
Sample : AS020711L05
Misc : can4017/250ccp1/0121307
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 13:51:03 2011
Quant Method : C:\msdchem\1\METHODS\TO15
Quant Title : TO15
Quant Update : Mon Feb 07 11:55:03 2011
Response via : Initial Calibration



TIC: AS020711L05.D\data.ms

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L1.D
 Acq On : 7 Feb 2011 1:02 pm
 Operator : FW
 Sample : ~~AS020711L1~~ 1102049-BS1 *fw 2-7-11*
 Misc : can4017/500ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 13:52:25 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 13:51:21 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.820	114	957481	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	771171	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	321687	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.381	98	25886	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.427	41	291435	2.02	UG/M3		98
3) 7005 Freon 12 (CL2F2Me...	4.518	85	925818	5.48	UG/M3		100
4) 7017 Freon 114 (Cl2F4E...	4.843	85	1035153	7.72	UG/M3		100
5) 7025 Chloromethane	4.965	50	324788	2.22	UG/M3		100
6) 7035 Vinyl Chloride	5.246	62	353458	2.81	UG/M3		100
7) 7018 1,3-Butadiene	5.350	54	559812	4.83	UG/M3		100
8) 7030 Bromomethane	6.011	94	274892	4.47	UG/M3		99
9) 7040 Chloroethane	6.237	64	197160	3.03	UG/M3		98
10) 7008 Vinyl Bromide (Br...	6.641	106	371413	5.03	UG/M3		99
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	876640	6.32	UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.803	101	741449	8.46	UG/M3		100
13) 7050 1,1-Dichloroethene	7.797	61	497325	4.20	UG/M3		98
14) 7051 Acetone	7.846	43	404362	2.44	UG/M3		99
15) 7024 Isopropanol	8.085	45	390087	2.33	UG/M3		95
16) 7052 Carbon Disulfide	8.250	76	974612	3.47	UG/M3		98
17) 7026 3-Chloropropene (...)	8.440	41	633550	6.33	UG/M3		98
18) 7045 Methylene Chloride	8.642	49	336267	3.71	UG/M3		98
19) 7020 Acrylonitrile	9.027	53	147908	2.29	UG/M3		98
20) 7915 Methyl T-Butyl Ether	9.149	73	978464	4.47	UG/M3		99
21) 7060 trans-1,2-Dichlor...	9.149	61	486642	4.20	UG/M3		97
22) 7016 Hexane	9.627	57	609878	3.82	UG/M3		99
23) 7055 1,1-Dichloroethane	9.853	63	603258	4.46	UG/M3		99
24) 7028 Vinyl Acetate	9.883	43	460237	3.76	UG/M3		98
25) 7058 Methyl Ethyl Ketone	10.789	72	142488	3.05	UG/M3		97
26) 7056 cis-1,2-Dichloroe...	10.807	96	366103	4.45	UG/M3		98
27) 7029 Ethyl Acetate	10.868	70	85436	3.69	UG/M3		98
28) 7065 Chloroform	11.297	83	671413	5.48	UG/M3		100
29) 7032 Tetrahydrofuran	11.315	42	290705	2.85	UG/M3		99
31) 7075 1,1,1-Trichloroet...	11.670	97	693611	6.01	UG/M3		97
32) 7013 Cyclohexane	11.804	56	633932	3.80	UG/M3		99
33) 7080 Carbon Tetrachloride	11.964	117	710791	7.11	UG/M3		98
34) 7070 1,2-Dichloroethane	12.257	62	384260	4.44	UG/M3		100
35) 7105 Benzene	12.276	78	1131128	3.60	UG/M3		100
36) 7036 Isooctane (2,2,4-...	12.392	57	1907362	5.28	UG/M3		100
37) 7038 Heptane	12.649	43	597550	4.48	UG/M3		98
38) 7100 Trichloroethene	13.297	132	475680	6.03	UG/M3		98
39) 7090 1,2-Dichloropropane	13.658	63	358525	5.17	UG/M3		97
40) 7043 1,4-Dioxane	13.860	88	158288	2.99	UG/M3		98
41) 7085 Bromodichloromethane	14.068	83	727191	6.79	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	365554	4.97	UG/M3		99

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L1.D
 Acq On : 7 Feb 2011 1:02 pm
 Operator : FW
 Sample : AS020711L1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 13:52:25 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 13:51:21 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.028	43	462368	3.74	UG/M3	99
46) 7145 Toluene	15.420	91	1279556	4.32	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.701	75	246510	5.23	UG/M3	97
48) 7115 1,1,2-Trichloroet...	16.038	97	404657	6.11	UG/M3	99
49) 7140 Tetrachloroethene	16.381	166	627340	7.44	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.429	43	284053	3.20	UG/M3	100
51) 7110 Dibromochloromethane	16.754	129	670224	9.02	UG/M3	99
52) 7720 1,2-Dibromoethane	17.005	107	416193	8.70	UG/M3	98
53) 7150 Chlorobenzene	17.855	112	962324	5.16	UG/M3	100
54) 7155 Ethylbenzene	18.014	91	1571511	5.00	UG/M3	100
55) 7156 (m- and/or p-) Xy...	18.216	91	2403602	10.24	UG/M3	100
56) 7157 o-Xylene	18.938	91	1236694	5.07	UG/M3	99
57) 7158 Styrene	18.950	104	764374	4.59	UG/M3	99
59) 7130 Bromoform	19.311	173	510905	10.60	UG/M3	98
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	758270	7.89	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.541	105	3320101	12.07	UG/M3	99
63) 7902 1,3,5-Trimethylbe...	20.645	105	1313176	5.56	UG/M3	100
64) 7904 1,2,4-Trimethylbe...	21.354	105	1203112	5.57	UG/M3	100
65) 7195 1,3-Dichlorobenzene	21.923	146	833781	6.61	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	788489	6.67	UG/M3	100
67) 7063 Benzyl Chloride	22.302	91	610938	4.36	UG/M3	100
68) 7205 1,2-Dichlorobenzene	22.792	111	325033	6.71	UG/M3	96
69) 7909 1,2,4-Trichlorobe...	25.814	180	291060	6.43	UG/M3	99
70) 7910 Hexachlorobutadiene	26.120	227	286493	10.57	UG/M3	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BS1.D
 Acq On : 7 Feb 2011 1:02 pm
 Operator : FW
 Sample : 1102049-BS1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 13:52:25 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 13:51:21 2011
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I IS01 Difluorobenzene	1.000	1.000	0.0	100	0.00
2	TCMP 7001 Propene	3.416	4.025	-17.8	100	0.00
3	TCMP 7005 Freon 12 (CL2F2Methane	4.159	4.603	-10.7	100	0.00
4	TCMP 7017 Freon 114 (Cl2F4Ethane	3.305	3.624	-9.7	100	0.00
5	TCMP 7025 Chloromethane	3.521	3.844	-9.2	100	0.00
6	TCMP 7035 Vinyl Chloride	3.084	3.379	-9.6	100	0.00
7	TCMP 7018 1,3-Butadiene	2.816	3.163	-12.3	100	0.00
8	TCMP 7030 Bromomethane	1.554	1.708	-9.9	100	0.00
9	TCMP 7040 Chloroethane	1.622	1.815	-11.9	100	0.00
10	TCMP 7008 Vinyl Bromide (Bromoet	1.814	2.007	-10.6	100	0.00
11	TCMP 7010 Freon 11 (Cl3Fmethane)	3.377	3.693	-9.4	100	0.00
12	TCMP 7011 Freon 113 (Cl3F3Ethane	2.158	2.394	-10.9	100	0.00
13	TCMP 7050 1,1-Dichloroethene	2.843	3.090	-8.7	100	0.00
14	TCMP 7051 Acetone	3.772	4.370	-15.9	100	0.00
15	TCMP 7024 Isopropanol	3.911	3.729	4.7	100	0.01
16	TCMP 7052 Carbon Disulfide	6.920	7.571	-9.4	100	0.00
17	TCMP 7026 3-Chloropropene (Allyl	2.339	2.582	-10.4	100	0.00
18	TCMP 7045 Methylene Chloride	2.167	2.388	-10.2	100	0.00
19	TCMP 7020 Acrylonitrile	1.499	1.671	-11.5	100	0.00
20	TCMP 7915 Methyl T-Butyl Ether	5.183	6.080	-17.3	100	0.00
21	TCMP 7060 trans-1,2-Dichloroethe	2.802	3.102	-10.7	100	0.00
22	TCMP 7016 Hexane	3.841	4.211	-9.6	100	0.00
23	TCMP 7055 1,1-Dichloroethane	3.244	3.657	-12.7	100	0.00
24	TCMP 7028 Vinyl Acetate	2.747	3.178	-15.7	100	0.00
25	TCMP 7058 Methyl Ethyl Ketone	1.118	1.221	-9.2	100	0.00
26	TCMP 7056 cis-1,2-Dichloroethene	2.021	2.220	-9.8	100	0.00
27	TCMP 7029 Ethyl Acetate	0.545	0.607	-11.4	100	0.00
28	TCMP 7065 Chloroform	2.984	3.338	-11.9	100	0.00
29	TCMP 7032 Tetrahydrofuran	2.292	2.492	-8.7	100	0.00
30	S SS17 Dibromofluoromethane	0.000	0.000#	0.0	0#	-12.56#
31	TCMP 7075 1,1,1-Trichloroethane	2.794	3.079	-10.2	100	0.00
32	TCMP 7013 Cyclohexane	4.012	4.502	-12.2	100	0.00
33	TCMP 7080 Carbon Tetrachloride	2.425	2.718	-12.1	100	0.00
34	TCMP 7070 1,2-Dichloroethane	2.043	2.274	-11.3	100	0.00
35	TCMP 7105 Benzene	7.619	8.520	-11.8	100	0.00
36	TCMP 7036 Isooctane (2,2,4-Trime	8.671	9.676	-11.6	100	0.00
37	TCMP 7038 Heptane	3.120	3.454	-10.7	100	0.00
38	TCMP 7100 Trichloroethene	1.908	2.111	-10.6	100	0.00
39	TCMP 7090 1,2-Dichloropropane	1.654	1.857	-12.3	100	0.00
40	TCMP 7043 1,4-Dioxane	1.301	1.157	11.1	100	0.01
41	TCMP 7085 Bromodichloromethane	2.578	2.869	-11.3	100	0.00
42	I IS02 Chlorobenzene-D5	1.000	1.000	0.0	100	0.00
43	TCMP 7120 cis-1,3-Dichloropropen	2.209	2.410	-9.1	100	0.00
44	TCMP 7086 Methyl Isobutyl Ketone	3.560	3.412	4.2	100	0.00
45	S SS11 Toluene-D8	0.000	0.000#	0.0	100	0.00
46	TCMP 7145 Toluene	8.956	10.168	-13.5	100	0.00

Evaluate Continuing Calibration Report

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BS1.D
 Acq On : 7 Feb 2011 1:02 pm
 Operator : FW
 Sample : 1102049-BS1
 Misc : can4017/500ccP1/0121307
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 13:52:25 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 13:51:21 2011
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 TCMP 7095 trans-1,3-Dichloroprop	1.405	1.559	-11.0	100	0.00
48 TCMP 7115 1,1,2-Trichloroethane	2.020	2.239	-10.8	100	0.00
49 TCMP 7140 Tetrachloroethene	2.513	2.777	-10.5	100	0.00
50 TCMP 7142 Methyl Butyl Ketone	2.544	2.096	17.6	100	0.00
51 TCMP 7110 Dibromochloromethane	2.222	2.388	-7.5	100	0.00
52 TCMP 7720 1,2-Dibromoethane	1.454	1.612	-10.9	100	0.00
53 TCMP 7150 Chlorobenzene	5.661	6.213	-9.8	100	0.00
54 TCMP 7155 Ethylbenzene	9.472	10.823	-14.3	100	0.00
55 TCMP 7156 (m- and or p-) Xylene	7.071	8.186	-15.8	100	0.00
56 TCMP 7157 o-Xylene	7.311	8.332	-14.0	100	0.00
57 TCMP 7158 Styrene	4.886	5.384	-10.2	100	0.00
58 I IS03 1,4-Dichlorobenzene-D4	1.000	1.000	0.0	100	0.00
59 TCMP 7130 Bromoform	4.512	4.495	0.4	100	0.00
60 S SS19 p-Bromofluorobenzene	0.000	0.000#	0.0	0#	-20.87#
61 TCMP 7135 1,1,2,2-Tetrachloroeth	9.121	9.960	-9.2	100	0.00
62 TCMP 7047 4-Ethyltoluene (1-ethy	26.000	30.061	-15.6	100	0.00
63 TCMP 7902 1,3,5-Trimethylbenzene	22.185	24.993	-12.7	100	0.00
64 TCMP 7904 1,2,4-Trimethylbenzene	20.256	22.000	-8.6	100	0.00
65 TCMP 7195 1,3-Dichlorobenzene	11.884	12.541	-5.5	100	0.00
66 TCMP 7200 1,4-Dichlorobenzene	11.124	11.672	-4.9	100	0.00
67 TCMP 7063 Benzyl Chloride	13.209	11.395	13.7	100	0.00
68 TCMP 7205 1,2-Dichlorobenzene	4.620	4.889	-5.8	100	0.00
69 TCMP 7909 1,2,4-Trichlorobenzene	4.162	3.718	10.7	100	0.00
70 TCMP 7910 Hexachlorobutadiene	2.387	2.407	-0.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L2.D
 Acq On : 7 Feb 2011 1:51 pm
 Operator : FW
 Sample : AS020711L2
 Misc : can4016/250ccP4/0121308
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 14:24:50 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 13:52:46 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.820	114	948275	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	763262	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	326347	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.374	98	41897	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.427	41	454229	3.17	UG/M3		99
3) 7005 Freon 12 (CL2F2Me...	4.518	85	1501772	8.90	UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.843	85	1686069	12.61	UG/M3		99
5) 7025 Chloromethane	4.959	50	538650	3.69	UG/M3		98
6) 7035 Vinyl Chloride	5.246	62	581872	4.64	UG/M3		99
7) 7018 1,3-Butadiene	5.344	54	915324	7.94	UG/M3		99
8) 7030 Bromomethane	6.011	94	445836	7.24	UG/M3		99
9) 7040 Chloroethane	6.237	64	322331	4.95	UG/M3		99
10) 7008 Vinyl Bromide (Br...	6.641	106	599593	8.15	UG/M3		98
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	1433538	10.37	UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.804	101	1213109	13.87	UG/M3		100
13) 7050 1,1-Dichloroethene	7.797	61	821307	6.98	UG/M3		100
14) 7051 Acetone	7.846	43	581552	3.55	UG/M3		100
15) 7024 Isopropanol	8.079	45	789025	4.77	UG/M3		99
16) 7052 Carbon Disulfide	8.250	76	1593563	5.69	UG/M3		98
17) 7026 3-Chloropropene (...)	8.440	41	1023341	10.32	UG/M3		99
18) 7045 Methylene Chloride	8.642	49	545274	6.06	UG/M3		99
19) 7020 Acrylonitrile	9.027	53	243574	3.82	UG/M3		98
20) 7915 Methyl T-Butyl Ether	9.149	73	1440574	6.64	UG/M3		99
21) 7060 trans-1,2-Dichlor...	9.143	61	798728	6.94	UG/M3		99
22) 7016 Hexane	9.627	57	987376	6.24	UG/M3		98
23) 7055 1,1-Dichloroethane	9.853	63	960291	7.15	UG/M3		100
24) 7028 Vinyl Acetate	9.884	43	691026	5.74	UG/M3		99
25) 7058 Methyl Ethyl Ketone	10.789	72	230766	5.01	UG/M3		100
26) 7056 cis-1,2-Dichloroe...	10.807	96	599650	7.31	UG/M3		100
27) 7029 Ethyl Acetate	10.868	70	137567	6.06	UG/M3		98
28) 7065 Chloroform	11.297	83	1081597	8.87	UG/M3		100
29) 7032 Tetrahydrofuran	11.315	42	468753	4.67	UG/M3		98
31) 7075 1,1,1-Trichloroet...	11.670	97	1124521	9.79	UG/M3		100
32) 7013 Cyclohexane	11.805	56	1028824	6.21	UG/M3		100
33) 7080 Carbon Tetrachloride	11.964	117	1160957	11.64	UG/M3		100
34) 7070 1,2-Dichloroethane	12.257	62	615513	7.18	UG/M3		100
35) 7105 Benzene	12.276	78	1781060	5.70	UG/M3		99
36) 7036 Isooctane (2,2,4-...	12.398	57	3018406	8.42	UG/M3		99
37) 7038 Heptane	12.649	43	960905	7.28	UG/M3		99
38) 7100 Trichloroethene	13.297	132	772810	9.84	UG/M3		99
39) 7090 1,2-Dichloropropane	13.658	63	567401	8.26	UG/M3		99
40) 7043 1,4-Dioxane	13.854	88	361344	6.87	UG/M3		100
41) 7085 Bromodichloromethane	14.068	83	1191515	11.22	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	609388	8.39	UG/M3		99

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L2.D
 Acq On : 7 Feb 2011 1:51 pm
 Operator : FW
 Sample : AS020711L2
 Misc : can4016/250ccP4/0121308
 ALS Vial : 2 Sample Multiplier: 1

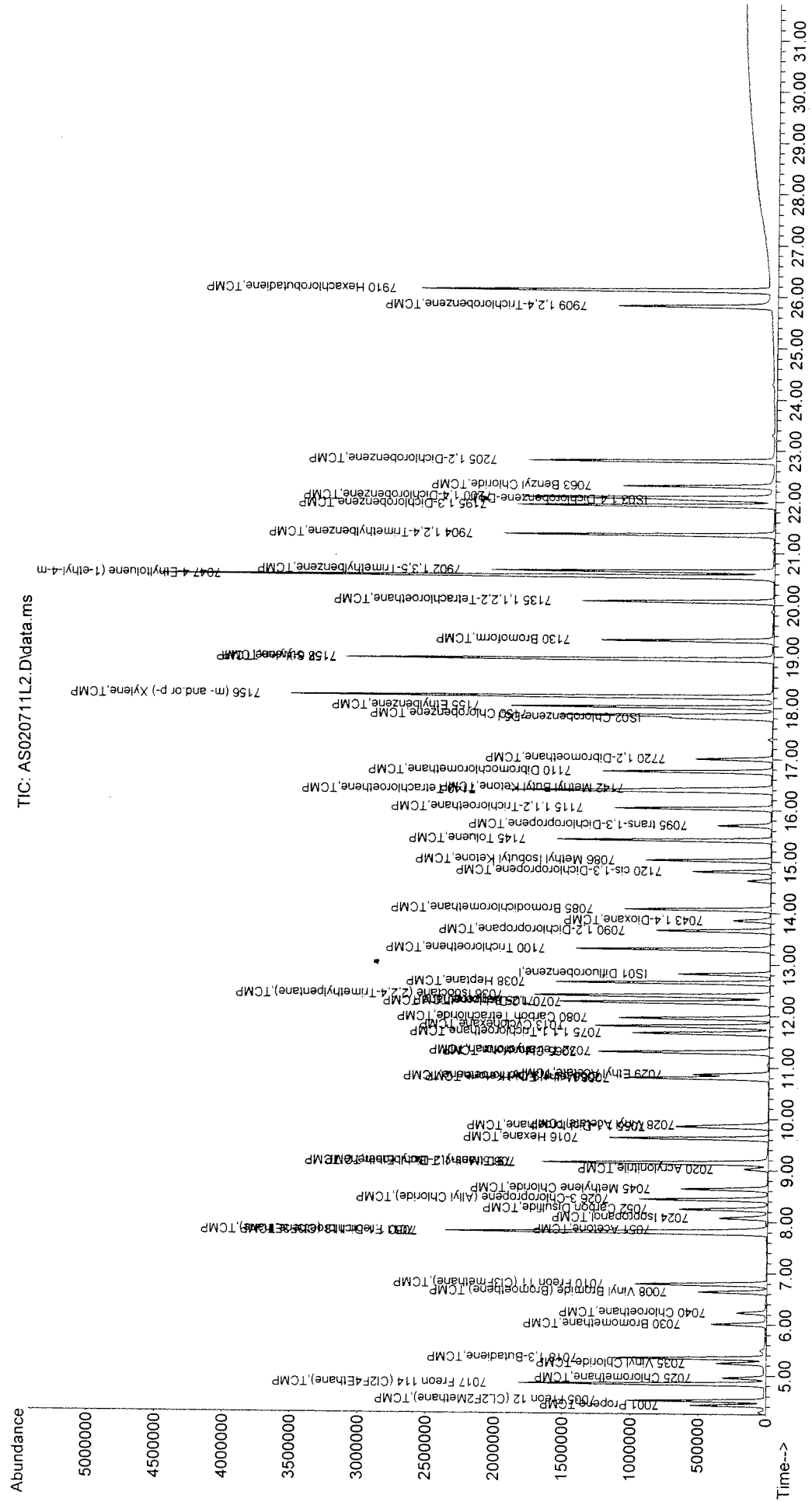
Quant Time: Feb 07 14:24:50 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 13:52:46 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.022	43	937987	7.74	UG/M3	99
46) 7145 Toluene	15.420	91	2021870	6.89	UG/M3	100
47) 7095 trans-1,3-Dichlor...	15.708	75	410319	8.84	UG/M3	99
48) 7115 1,1,2-Trichloroet...	16.038	97	654191	9.97	UG/M3	100
49) 7140 Tetrachloroethene	16.381	166	1012770	12.06	UG/M3	98
50) 7142 Methyl Butyl Ketone	16.423	43	716022	8.23	UG/M3	99
51) 7110 Dibromochloromethane	16.754	129	1190301	16.28	UG/M3	100
52) 7720 1,2-Dibromoethane	17.005	107	687629	14.51	UG/M3	100
53) 7150 Chlorobenzene	17.855	112	1582272	8.56	UG/M3	100
54) 7155 Ethylbenzene	18.014	91	2521245	8.11	UG/M3	100
55) 7156 (m- and/or p-) Xy...	18.216	91	3833123	16.53	UG/M3	100
56) 7157 o-Xylene	18.938	91	1987402	8.24	UG/M3	99
57) 7158 Styrene	18.950	104	1363198	8.35	UG/M3	100
59) 7130 Bromoform	19.311	173	1077710	22.10	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	1295809	13.36	UG/M3	99
62) 7047 4-Ethyltoluene (1...	20.541	105	5447950	19.60	UG/M3	100
63) 7902 1,3,5-Trimethylbe...	20.645	105	2139472	8.95	UG/M3	100
64) 7904 1,2,4-Trimethylbe...	21.354	105	2041822	9.36	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	1516143	11.87	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	1453811	12.15	UG/M3	100
67) 7063 Benzyl Chloride	22.302	91	1568629	11.13	UG/M3	100
68) 7205 1,2-Dichlorobenzene	22.792	111	598373	12.16	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	743138	16.22	UG/M3	100
70) 7910 Hexachlorobutadiene	26.126	227	577010	20.98	UG/M3	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020711\
Data File : AS020711L2.D
Acq On : 7 Feb 2011 1:51 pm
Operator : FW
Sample : AS020711L2
Misc : can4016/250ccP4/0121308
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 14:24:50 2011
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15
QLast Update : Mon Feb 07 13:52:46 2011
Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L4.D
 Acq On : 7 Feb 2011 2:40 pm
 Operator : FW
 Sample : AS020711L4
 Misc : can4016/500ccP4/0121308
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 15:10:24 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 14:26:06 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) IS01 Difluorobenzene	12.820	114	975250	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	800142	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	357443	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	16.380	98	85733	0.00	% Rec	0.00	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.426	41	880241	6.05	UG/M3		100
3) 7005 Freon 12 (CL2F2Me...	4.512	85	2956576	17.23	UG/M3		99
4) 7017 Freon 114 (Cl2F4E...	4.842	85	3355488	24.68	UG/M3		100
5) 7025 Chloromethane	4.959	50	1072476	7.25	UG/M3		98
6) 7035 Vinyl Chloride	5.246	62	1171240	9.21	UG/M3		100
7) 7018 1,3-Butadiene	5.344	54	1821097	15.59	UG/M3		99
8) 7030 Bromomethane	6.011	94	887917	14.14	UG/M3		99
9) 7040 Chloroethane	6.231	64	644997	9.77	UG/M3		99
10) 7008 Vinyl Bromide (Br...	6.641	106	1224383	16.39	UG/M3		99
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	2869718	20.45	UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.803	101	2425008	27.27	UG/M3		100
13) 7050 1,1-Dichloroethene	7.797	61	1650257	13.87	UG/M3		100
14) 7051 Acetone	7.840	43	1305596	7.92	UG/M3		99
15) 7024 Isopropanol	8.073	45	1676964	10.04	UG/M3		99
16) 7052 Carbon Disulfide	8.250	76	3243607	11.41	UG/M3		99
17) 7026 3-Chloropropene (...)	8.440	41	2131953	21.30	UG/M3		99
18) 7045 Methylene Chloride	8.641	49	1107038	12.15	UG/M3		100
19) 7020 Acrylonitrile	9.027	53	557962	8.75	UG/M3		98
20) 7915 Methyl T-Butyl Ether	9.149	73	3286970	15.07	UG/M3		100
21) 7060 trans-1,2-Dichlor...	9.149	61	1608114	13.80	UG/M3		100
22) 7016 Hexane	9.626	57	2024131	12.63	UG/M3		100
23) 7055 1,1-Dichloroethane	9.853	63	1991832	14.72	UG/M3		100
24) 7028 Vinyl Acetate	9.883	43	1644513	13.71	UG/M3		99
25) 7058 Methyl Ethyl Ketone	10.789	72	528537	11.34	UG/M3		99
26) 7056 cis-1,2-Dichloroe...	10.807	96	1237669	14.88	UG/M3		99
27) 7029 Ethyl Acetate	10.868	70	312299	13.59	UG/M3		98
28) 7065 Chloroform	11.297	83	2221522	18.00	UG/M3		100
29) 7032 Tetrahydrofuran	11.309	42	1078492	10.73	UG/M3		100
31) 7075 1,1,1-Trichloroet...	11.670	97	2329554	20.04	UG/M3		99
32) 7013 Cyclohexane	11.804	56	2102131	12.54	UG/M3		99
33) 7080 Carbon Tetrachloride	11.963	117	2382381	23.54	UG/M3		100
34) 7070 1,2-Dichloroethane	12.257	62	1294476	14.99	UG/M3		99
35) 7105 Benzene	12.275	78	3737604	11.86	UG/M3		100
36) 7036 Isooctane (2,2,4-...	12.398	57	6167495	17.02	UG/M3		99
37) 7038 Heptane	12.649	43	1974336	14.84	UG/M3		99
38) 7100 Trichloroethene	13.297	132	1581395	19.84	UG/M3		100
39) 7090 1,2-Dichloropropane	13.658	63	1221359	17.68	UG/M3		99
40) 7043 1,4-Dioxane	13.854	88	798981	14.94	UG/M3		99
41) 7085 Bromodichloromethane	14.068	83	2548476	23.77	UG/M3		100
43) 7120 cis-1,3-Dichlorop...	14.808	75	1324371	17.67	UG/M3		99

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L4.D
 Acq On : 7 Feb 2011 2:40 pm
 Operator : FW
 Sample : AS020711L4
 Misc : can4016/500ccP4/0121308
 ALS Vial : 2 Sample Multiplier: 1

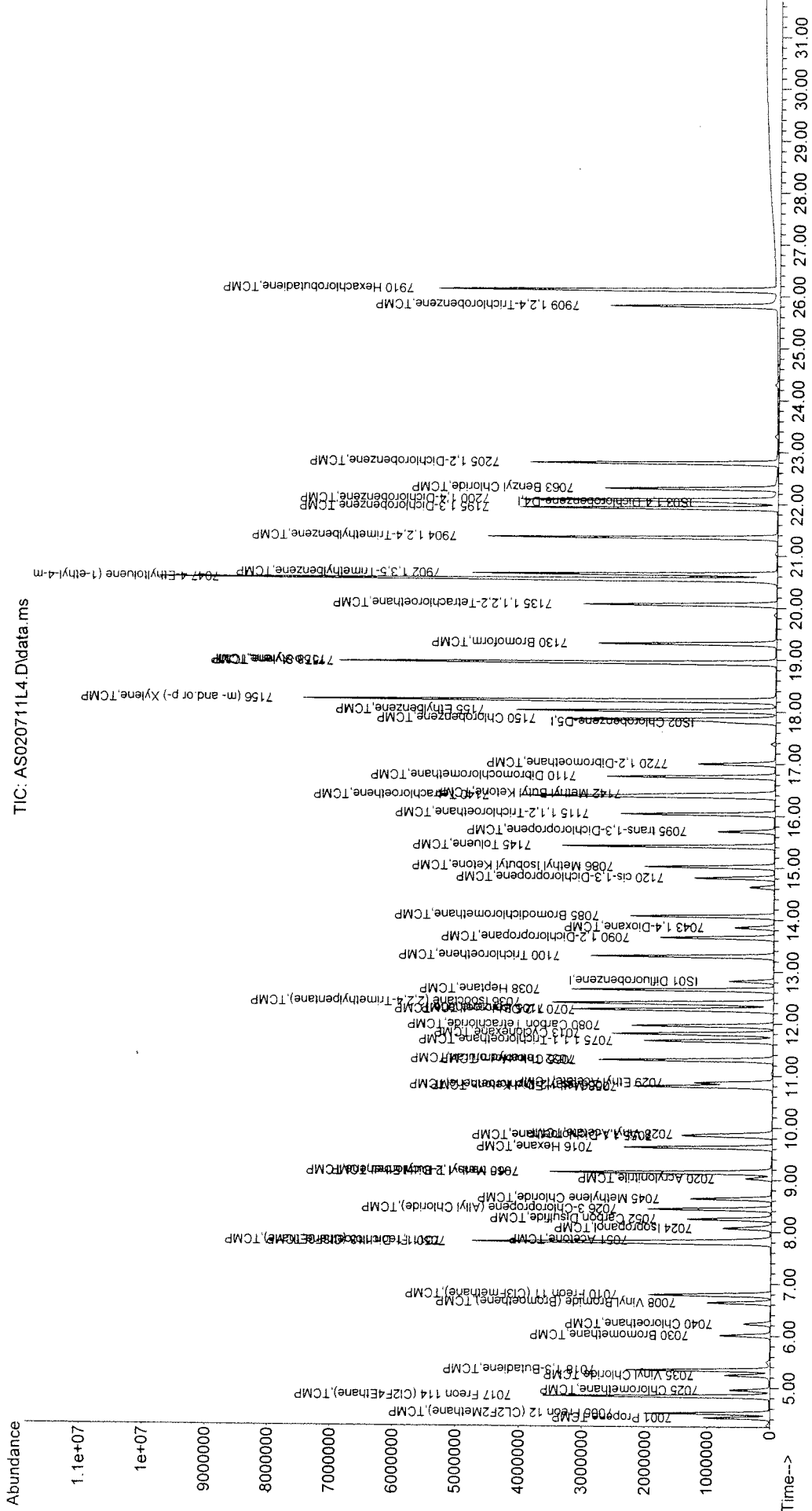
Quant Time: Feb 07 15:10:24 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 14:26:06 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.022	43	2099415	16.86	UG/M3	100
46) 7145 Toluene	15.420	91	4327044	14.31	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.707	75	913588	19.11	UG/M3	99
48) 7115 1,1,2-Trichloroet...	16.038	97	1400984	20.67	UG/M3	99
49) 7140 Tetrachloroethene	16.380	166	2097289	24.10	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.423	43	1629643	18.23	UG/M3	99
51) 7110 Dibromochloromethane	16.760	129	2584425	34.20	UG/M3	100
52) 7720 1,2-Dibromoethane	17.004	107	1490162	30.45	UG/M3	100
53) 7150 Chlorobenzene	17.855	112	3365431	17.59	UG/M3	100
54) 7155 Ethylbenzene	18.014	91	5461863	17.06	UG/M3	100
55) 7156 (m- and/or p-) Xy...	18.216	91	8206068	34.38	UG/M3	99
56) 7157 o-Xylene	18.938	91	4317634	17.40	UG/M3	100
57) 7158 Styrene	18.950	104	3074431	18.34	UG/M3	100
59) 7130 Bromoform	19.311	173	2419039	45.97	UG/M3	100
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	2871760	27.55	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.540	105	11856274	39.80	UG/M3	97
63) 7902 1,3,5-Trimethylbe...	20.644	105	4980623	19.45	UG/M3	99
64) 7904 1,2,4-Trimethylbe...	21.354	105	4793573	20.46	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	3325116	24.11	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	3204546	24.82	UG/M3	99
67) 7063 Benzyl Chloride	22.302	91	3839886	25.41	UG/M3	100
68) 7205 1,2-Dichlorobenzene	22.792	111	1296716	24.42	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	1665283	33.52	UG/M3	99
70) 7910 Hexachlorobutadiene	26.126	227	1221130	41.05	UG/M3	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
Data Path : C:\msdchem\1\DATA\020711\
Data File : AS020711L4.D
Acq On : 7 Feb 2011 2:40 pm
Operator : FW
Sample : AS020711L4
Misc : can4016/500ccP4/0121308
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 15:10:24 2011
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15
Quant Update : Mon Feb 07 14:26:06 2011
Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L6.D
 Acq On : 7 Feb 2011 3:31 pm
 Operator : FW
 Sample : AS020711L6
 Misc : can4016/750ccP4/0121308
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 16:07:52 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 15:16:08 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

Internal Standards						
1) IS01 Difluorobenzene	12.820	114	984719	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.806	117	785295	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	339124	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	16.381	98	131939	0.00	% Rec	0.00
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
						Qvalue
2) 7001 Propene	4.427	41	1290003	8.83	UG/M3	100
3) 7005 Freon 12 (CL2F2Me...	4.518	85	4346675	25.04	UG/M3	100
4) 7017 Freon 114 (Cl2F4E...	4.843	85	4901444	35.61	UG/M3	99
5) 7025 Chloromethane	4.965	50	1588351	10.68	UG/M3	99
6) 7035 Vinyl Chloride	5.246	62	1750779	13.67	UG/M3	100
7) 7018 1,3-Butadiene	5.350	54	2673011	22.72	UG/M3	100
8) 7030 Bromomethane	6.011	94	1321766	20.75	UG/M3	99
9) 7040 Chloroethane	6.237	64	967512	14.50	UG/M3	100
10) 7008 Vinyl Bromide (Br...	6.641	106	1841290	24.41	UG/M3	100
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	4242437	29.94	UG/M3	100
12) 7011 Freon 113 (Cl3F3E...	7.803	101	3568082	39.64	UG/M3	99
13) 7050 1,1-Dichloroethene	7.803	61	2458094	20.55	UG/M3	100
14) 7051 Acetone	7.840	43	1998366	12.18	UG/M3	99
15) 7024 Isopropanol	8.073	45	2672385	15.94	UG/M3	99
16) 7052 Carbon Disulfide	8.250	76	4854012	16.90	UG/M3	100
17) 7026 3-Chloropropene (...)	8.440	41	3222797	32.11	UG/M3	100
18) 7045 Methylene Chloride	8.642	49	1656764	18.06	UG/M3	100
19) 7020 Acrylonitrile	9.027	53	866451	13.58	UG/M3	99
20) 7915 Methyl T-Butyl Ether	9.149	73	4993821	22.83	UG/M3	100
21) 7060 trans-1,2-Dichlor...	9.149	61	2404933	20.48	UG/M3	100
22) 7016 Hexane	9.633	57	3028328	18.76	UG/M3	99
23) 7055 1,1-Dichloroethane	9.853	63	3011363	22.14	UG/M3	100
24) 7028 Vinyl Acetate	9.890	43	2574256	21.55	UG/M3	100
25) 7058 Methyl Ethyl Ketone	10.789	72	847772	18.13	UG/M3	99
26) 7056 cis-1,2-Dichloroe...	10.807	96	1858202	22.09	UG/M3	100
27) 7029 Ethyl Acetate	10.868	70	505174	22.06	UG/M3	99
28) 7065 Chloroform	11.303	83	3319277	26.63	UG/M3	99
29) 7032 Tetrahydrofuran	11.309	42	1645440	16.42	UG/M3	99
31) 7075 1,1,1-Trichloroet...	11.676	97	3487713	29.73	UG/M3	100
32) 7013 Cyclohexane	11.804	56	3140815	18.60	UG/M3	100
33) 7080 Carbon Tetrachloride	11.964	117	3573974	34.96	UG/M3	100
34) 7070 1,2-Dichloroethane	12.257	62	1963085	22.65	UG/M3	99
35) 7105 Benzene	12.276	78	5627644	17.71	UG/M3	100
36) 7036 Isooctane (2,2,4-...	12.398	57	9202173	25.26	UG/M3	100
37) 7038 Heptane	12.649	43	2958379	22.16	UG/M3	100
38) 7100 Trichloroethene	13.297	132	2388047	29.64	UG/M3	99
39) 7090 1,2-Dichloropropane	13.658	63	1872151	27.01	UG/M3	100
40) 7043 1,4-Dioxane	13.848	88	1295721	23.91	UG/M3	99
41) 7085 Bromodichloromethane	14.074	83	3869453	35.80	UG/M3	100
43) 7120 cis-1,3-Dichlorop...	14.808	75	2066853	28.33	UG/M3	100

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : AS020711L6.D
 Acq On : 7 Feb 2011 3:31 pm
 Operator : FW
 Sample : AS020711L6
 Misc : can4016/750ccP4/0121308
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 16:07:52 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 15:16:08 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.022	43	3391570	27.93	UG/M3	99
46) 7145 Toluene	15.420	91	6523676	22.08	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.708	75	1455850	31.32	UG/M3	99
48) 7115 1,1,2-Trichloroet...	16.038	97	2118307	31.87	UG/M3	99
49) 7140 Tetrachloroethene	16.381	166	3164902	37.15	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.423	43	2648158	30.36	UG/M3	99
51) 7110 Dibromochloromethane	16.760	129	3940687	53.24	UG/M3	100
52) 7720 1,2-Dibromoethane	17.005	107	2304999	48.10	UG/M3	99
53) 7150 Chlorobenzene	17.855	112	5098564	27.22	UG/M3	100
54) 7155 Ethylbenzene	18.020	91	8199574	26.22	UG/M3	99
55) 7156 (m- and.or p-) Xy...	18.216	91	12047177	51.69	UG/M3	99
56) 7157 o-Xylene	18.938	91	6430098	26.54	UG/M3	99
57) 7158 Styrene	18.950	104	4702177	28.78	UG/M3	100
59) 7130 Bromoform	19.311	173	3741914	75.28	UG/M3	100
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	4388807	44.65	UG/M3	100
62) 7047 4-Ethyltoluene (1...	20.547	105	16604626	59.08	UG/M3	96
63) 7902 1,3,5-Trimethylbe...	20.645	105	7391137	30.65	UG/M3	98
64) 7904 1,2,4-Trimethylbe...	21.354	105	7196755	32.69	UG/M3	99
65) 7195 1,3-Dichlorobenzene	21.923	146	5083870	39.08	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	4916691	40.35	UG/M3	100
67) 7063 Benzyl Chloride	22.302	91	5978228	42.20	UG/M3	99
68) 7205 1,2-Dichlorobenzene	22.792	111	1972962	39.36	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	2403404	50.79	UG/M3	100
70) 7910 Hexachlorobutadiene	26.126	227	1720002	61.17	UG/M3	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : LB020711R2.D *27-11*
 Acq On : 7 Feb 2011 4:21 pm
 Operator : FW
 Sample : LB020711R2
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 08 06:26:42 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	

Internal Standards							
1) IS01 Difluorobenzene	12.820	114	930896	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	735639	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	288831	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.433	41	26729	0.20	UG/M3		87
3) 7005 Freon 12 (Cl2F2Me...	0.000		0	N.D.			
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.			
5) 7025 Chloromethane	0.000		0	N.D.			
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	0.000		0	N.D.			
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.			
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.865	43	64575	0.44	UG/M3		98
15) 7024 Isopropanol	8.103	45	35364	0.23	UG/M3		81
16) 7052 Carbon Disulfide	0.000		0	N.D.			
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	0.000		0	N.D.			
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	0.000		0	N.D.			
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.			
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	0.000		0	N.D.			
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	0.000		0	N.D.			
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.269	78	5966	0.02	UG/M3#		53
36) 7036 Isooctane (2,2,4-...	0.000		0	N.D.			
37) 7038 Heptane	0.000		0	N.D.			
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : LB020711R3.D
 Acq On : 7 Feb 2011 4:21 pm
 Operator : FW
 Sample : LB020711R2
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

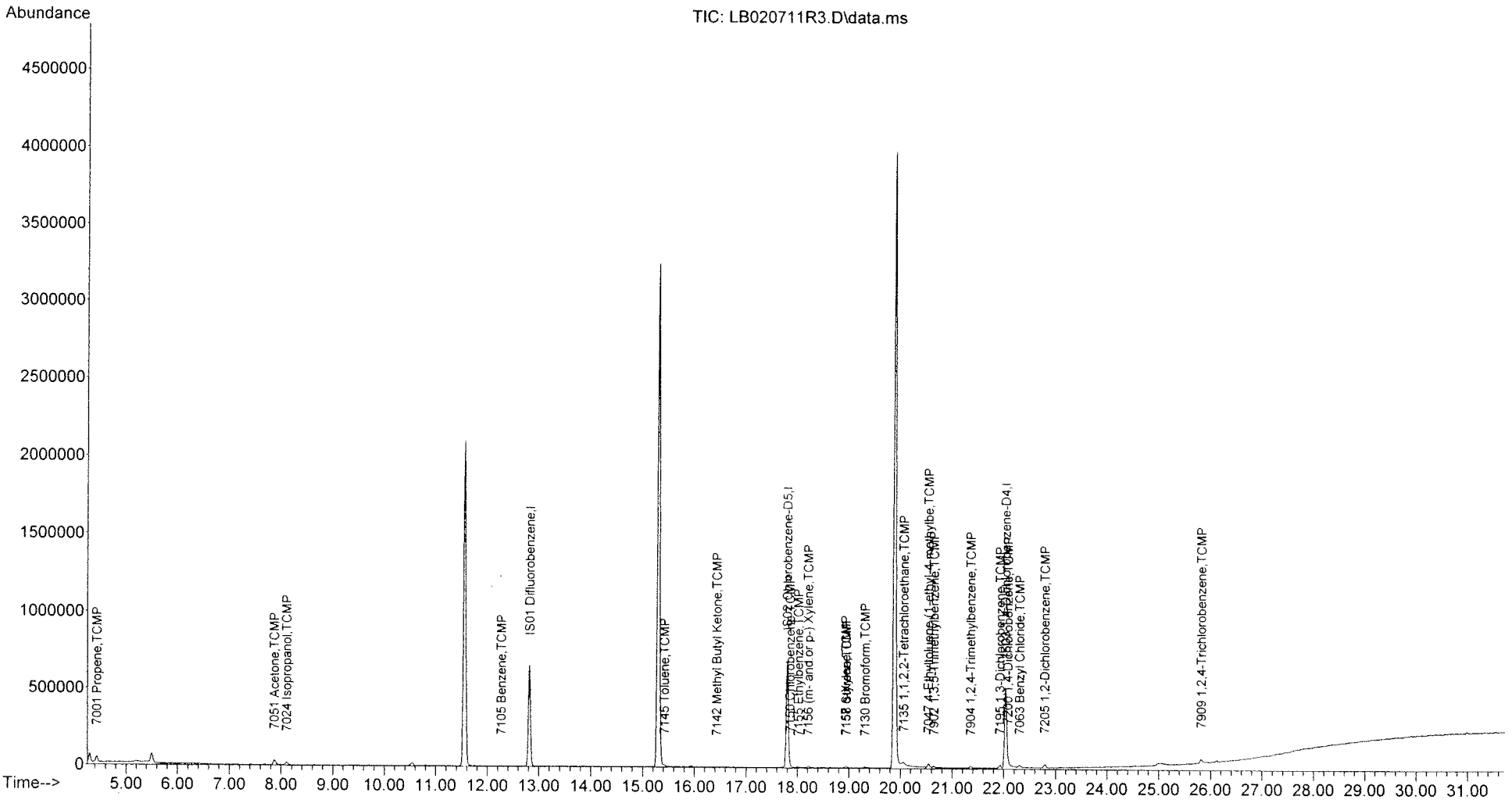
Quant Time: Feb 08 06:26:42 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.420	91	7387	0.03	UG/M3	97
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	16.436	43	3171	0.04	UG/M3#	26
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	17.855	112	4827	0.03	UG/M3#	42
54) 7155 Ethylbenzene	18.020	91	7038	0.02	UG/M3#	48
55) 7156 (m- and/or p-) Xy...	18.210	91	11831	0.05	UG/M3#	81
56) 7157 o-Xylene	18.938	91	6621	0.03	UG/M3	97
57) 7158 Styrene	18.950	104	4670	0.03	UG/M3#	25
59) 7130 Bromoform	19.311	173	5596	0.13	UG/M3#	27
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	7849	0.09	UG/M3#	84
62) 7047 4-Ethyltoluene (1...	20.541	105	29482	0.12	UG/M3	94
63) 7902 1,3,5-Trimethylbe...	20.645	105	9485	0.04	UG/M3#	83
64) 7904 1,2,4-Trimethylbe...	21.354	105	12665	0.06	UG/M3	92
65) 7195 1,3-Dichlorobenzene	21.923	146	17826	0.16	UG/M3	99
66) 7200 1,4-Dichlorobenzene	22.076	146	19837	0.19	UG/M3	88
67) 7063 Benzyl Chloride	22.302	91	23535	0.19	UG/M3#	84
68) 7205 1,2-Dichlorobenzene	22.792	111	7689	0.17	UG/M3#	86
69) 7909 1,2,4-Trichlorobe...	25.820	180	26131	0.65	UG/M3	97
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : LB020711R3.D
 Acq On : 7 Feb 2011 4:21 pm
 Operator : FW
 Sample : LB020711R2
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 08 06:26:42 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration



InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : ICV020711R1.D
 Acq On : 7 Feb 2011 5:11 pm
 Operator : FW
 Sample : ICV020711R1
 Misc : can4155/500ccS1/1013101
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 08 06:26:55 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS01 Difluorobenzene	12.820	114	949150	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	743893	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	307279	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	16.380	98	27215	0.00	% Rec	0.00
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
						Qvalue
2) 7001 Propene	4.426	41	288613	2.12	UG/M3	99
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	952441	5.74	UG/M3	100
4) 7017 Freon 114 (Cl2F4E...	4.842	85	1065528	8.09	UG/M3	99
5) 7025 Chloromethane	4.959	50	316871	2.26	UG/M3	100
6) 7035 Vinyl Chloride	5.246	62	367089	2.99	UG/M3	100
7) 7018 1,3-Butadiene	5.344	54	577563	5.14	UG/M3	100
8) 7030 Bromomethane	6.011	94	307311	4.96	UG/M3	98
9) 7040 Chloroethane	6.237	64	201136	3.11	UG/M3	99
10) 7008 Vinyl Bromide (Br...	6.641	106	368561	5.10	UG/M3	100
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	913349	6.78	UG/M3	100
12) 7011 Freon 113 (Cl3F3E...	7.803	101	778245	9.04	UG/M3	98
13) 7050 1,1-Dichloroethene	7.797	61	521803	4.60	UG/M3	100
14) 7051 Acetone	7.846	43	425091	2.83	UG/M3	99
15) 7024 Isopropanol	8.085	45	557520	3.57	UG/M3	98
16) 7052 Carbon Disulfide	8.250	76	956407	3.47	UG/M3	99
17) 7026 3-Chloropropene (...)	8.440	41	647072	6.94	UG/M3	99
18) 7045 Methylene Chloride	8.642	49	348349	4.03	UG/M3	100
19) 7020 Acrylonitrile	9.027	53	155417	2.60	UG/M3	96
20) 7915 Methyl T-Butyl Ether	9.155	73	1009376	4.88	UG/M3	99
21) 7060 trans-1,2-Dichlor...	9.149	61	484701	4.34	UG/M3	99
22) 7016 Hexane	9.626	57	611559	3.99	UG/M3	99
23) 7055 1,1-Dichloroethane	9.853	63	635310	4.91	UG/M3	99
24) 7028 Vinyl Acetate	9.883	43	574038	5.24	UG/M3	99
25) 7058 Methyl Ethyl Ketone	10.789	72	164276	3.68	UG/M3	95
26) 7056 cis-1,2-Dichloroe...	10.807	96	389217	4.83	UG/M3	99
27) 7029 Ethyl Acetate	10.868	70	92531	4.26	UG/M3	99
28) 7065 Chloroform	11.297	83	705334	5.93	UG/M3	99
29) 7032 Tetrahydrofuran	11.315	42	324536	3.55	UG/M3	98
31) 7075 1,1,1-Trichloroet...	11.670	97	738207	6.62	UG/M3	100
32) 7013 Cyclohexane	11.804	56	625722	3.91	UG/M3	99
33) 7080 Carbon Tetrachloride	11.963	117	733309	7.58	UG/M3	99
34) 7070 1,2-Dichloroethane	12.257	62	403510	4.95	UG/M3	100
35) 7105 Benzene	12.275	78	1211871	3.99	UG/M3	100
36) 7036 Isooctane (2,2,4-...	12.398	57	1900761	5.50	UG/M3	99
37) 7038 Heptane	12.649	43	597409	4.80	UG/M3	99
38) 7100 Trichloroethene	13.297	132	495298	6.51	UG/M3	99
39) 7090 1,2-Dichloropropane	13.658	63	381176	5.78	UG/M3	99
40) 7043 1,4-Dioxane	13.860	88	225023	4.34	UG/M3	98
41) 7085 Bromodichloromethane	14.068	83	720629	7.01	UG/M3	99
43) 7120 cis-1,3-Dichlorop...	14.808	75	463233	6.74	UG/M3	99

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : ICV020711R1.D
 Acq On : 7 Feb 2011 5:11 pm
 Operator : FW
 Sample : ICV020711R1
 Misc : can4155/500ccS1/1013101
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 08 06:26:55 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	15.028	43	621315	5.61	UG/M3	99
46) 7145 Toluene	15.420	91	1367236	4.90	UG/M3	99
47) 7095 trans-1,3-Dichlor...	15.707	75	359264	8.22	UG/M3	99
48) 7115 1,1,2-Trichloroet...	16.038	97	430833	6.85	UG/M3	99
49) 7140 Tetrachloroethene	16.380	166	658260	8.42	UG/M3	100
50) 7142 Methyl Butyl Ketone	16.429	43	546471	6.90	UG/M3	99
51) 7110 Dibromochloromethane	16.760	129	677719	9.80	UG/M3	99
52) 7720 1,2-Dibromoethane	17.004	107	535256	11.83	UG/M3	99
53) 7150 Chlorobenzene	17.855	112	1027550	5.83	UG/M3	99
54) 7155 Ethylbenzene	18.014	91	1696743	5.76	UG/M3	98
55) 7156 (m- and/or p-) Xy...	18.216	91	2523426	11.47	UG/M3	98
56) 7157 o-Xylene	18.938	91	1286032	5.65	UG/M3	99
57) 7158 Styrene	18.950	104	837871	5.51	UG/M3	100
59) 7130 Bromoform	19.311	173	537054	11.62	UG/M3	99
61) 7135 1,1,2,2-Tetrachlo...	20.063	83	862299	9.23	UG/M3	99
62) 7047 4-Ethyltoluene (1...	20.540	105	3235057	12.15	UG/M3	93
63) 7902 1,3,5-Trimethylbe...	20.644	105	1154643	5.08	UG/M3	97
64) 7904 1,2,4-Trimethylbe...	21.354	105	940355	4.53	UG/M3	98
65) 7195 1,3-Dichlorobenzene	21.923	146	785387	6.45	UG/M3	100
66) 7200 1,4-Dichlorobenzene	22.082	146	692384	6.08	UG/M3	98
67) 7063 Benzyl Chloride	22.302	91	588776	4.35	UG/M3	98
68) 7205 1,2-Dichlorobenzene	22.792	111	306744	6.48	UG/M3	99
69) 7909 1,2,4-Trichlorobe...	25.814	180	101371	2.38	UG/M3	98
70) 7910 Hexachlorobutadiene	26.126	227	309400	12.65	UG/M3	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : LB020711R3.D *h 2-7-11*
 Acq On : 7 Feb 2011 6:01 pm
 Operator : FW
 Sample : LB020711R3
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 08 06:58:42 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) IS01 Difluorobenzene	12.814	114	917214	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	722995	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	284453	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
							Qvalue
2) 7001 Propene	4.426	41	25242	0.19	UG/M3		88
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	3628	0.02	UG/M3#		49
4) 7017 Freon 114 (Cl2F4E...	0.000		0		N.D.		
5) 7025 Chloromethane	0.000		0		N.D.		
6) 7035 Vinyl Chloride	0.000		0		N.D.		
7) 7018 1,3-Butadiene	0.000		0		N.D.		
8) 7030 Bromomethane	0.000		0		N.D.		
9) 7040 Chloroethane	0.000		0		N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0		N.D.		
11) 7010 Freon 11 (Cl3Fmet...	0.000		0		N.D.		
12) 7011 Freon 113 (Cl3F3E...	0.000		0		N.D.		
13) 7050 1,1-Dichloroethene	0.000		0		N.D.		
14) 7051 Acetone	7.865	43	65076	0.45	UG/M3		95
15) 7024 Isopropanol	8.109	45	34085	0.23	UG/M3		90
16) 7052 Carbon Disulfide	0.000		0		N.D.		
17) 7026 3-Chloropropene (...)	0.000		0		N.D.		
18) 7045 Methylene Chloride	0.000		0		N.D.		
19) 7020 Acrylonitrile	0.000		0		N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0		N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0		N.D.		
22) 7016 Hexane	0.000		0		N.D.		
23) 7055 1,1-Dichloroethane	0.000		0		N.D.		
24) 7028 Vinyl Acetate	0.000		0		N.D.		
25) 7058 Methyl Ethyl Ketone	0.000		0		N.D.		
26) 7056 cis-1,2-Dichloroe...	0.000		0		N.D.		
27) 7029 Ethyl Acetate	0.000		0		N.D.		
28) 7065 Chloroform	0.000		0		N.D.		
29) 7032 Tetrahydrofuran	0.000		0		N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0		N.D.		
32) 7013 Cyclohexane	0.000		0		N.D.		
33) 7080 Carbon Tetrachloride	0.000		0		N.D.		
34) 7070 1,2-Dichloroethane	0.000		0		N.D.		
35) 7105 Benzene	12.269	78	5509	0.02	UG/M3#		53
36) 7036 Isooctane (2,2,4-...	0.000		0		N.D.		
37) 7038 Heptane	0.000		0		N.D.		
38) 7100 Trichloroethene	0.000		0		N.D.		
39) 7090 1,2-Dichloropropane	0.000		0		N.D.		
40) 7043 1,4-Dioxane	0.000		0		N.D.		
41) 7085 Bromodichloromethane	0.000		0		N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0		N.D.		

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : LB020711R4.D
 Acq On : 7 Feb 2011 6:01 pm
 Operator : FW
 Sample : LB020711R3
 Misc : can4349/500cc/0121314
 ALS Vial : 77 Sample Multiplier: 1

Quant Time: Feb 08 06:58:42 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	6086	0.02	UG/M3	84
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	18.014	91	3366	0.01	UG/M3#	48
55) 7156 (m- and.or p-) Xy...	18.210	91	5167	0.02	UG/M3#	33
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	20.547	105	8720	0.04	UG/M3#	40
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	21.360	105	3296	0.02	UG/M3#	28
65) 7195 1,3-Dichlorobenzene	21.929	146	4326	0.04	UG/M3#	25
66) 7200 1,4-Dichlorobenzene	22.082	146	5241	0.05	UG/M3#	74
67) 7063 Benzyl Chloride	22.296	91	5622	0.04	UG/M3#	60
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 08 08:01:45 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.814	114	962584	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	746733	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	294472	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.426	41	49182	0.36 UG/M3		
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	183667	1.09 UG/M3		
4) 7017 Freon 114 (Cl2F4E...	4.849	85	6275	0.05 UG/M3#		
5) 7025 Chloromethane	4.959	50	61109	<u>0.43</u> UG/M3		
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	77279	<u>0.57</u> UG/M3		99
12) 7011 Freon 113 (Cl3F3E...	7.803	101	22072	<u>0.25</u> UG/M3		92
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.852	43	227846	1.49 UG/M3		
15) 7024 Isopropanol	8.115	45	40433	0.26 UG/M3		
16) 7052 Carbon Disulfide	8.244	76	6070	0.02 UG/M3#		75
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	8.635	49	8598	<u>0.10</u> UG/M3		96
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	9.627	57	13178	<u>0.08</u> UG/M3#		76
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	10.801	72	13172	<u>0.29</u> UG/M3		90
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	11.297	83	4834	0.04 UG/M3#		17
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	11.804	56	5116	0.03 UG/M3#		13
33) 7080 Carbon Tetrachloride	11.963	117	22216	<u>0.23</u> UG/M3		98
34) 7070 1,2-Dichloroethane	0.000		0	N.D.		
35) 7105 Benzene	12.275	78	79144	<u>0.26</u> UG/M3		99
36) 7036 Isooctane (2,2,4-...	12.392	57	13195	0.04 UG/M3#		52
37) 7038 Heptane	12.655	43	9827	<u>0.08</u> UG/M3#		64
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

Qvalue
 $\frac{1.09 \times 30}{73} = 2.52$

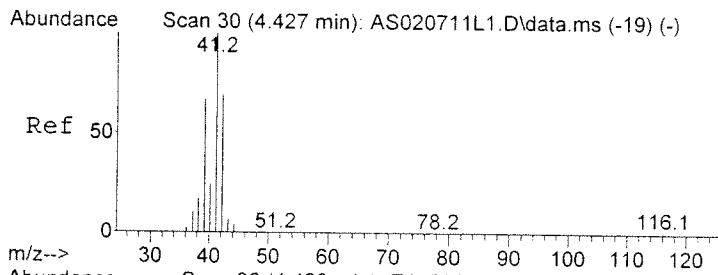
Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 08 08:01:45 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration

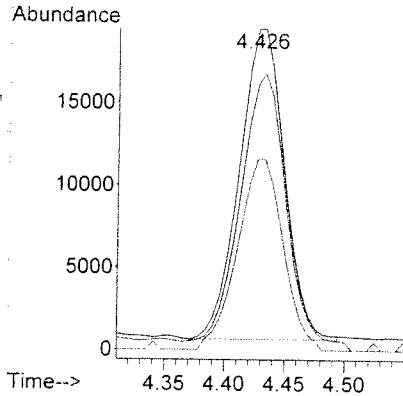
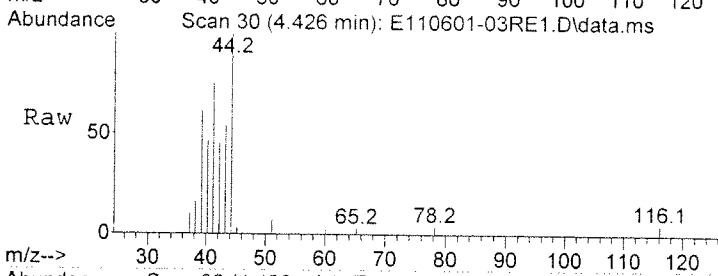
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.420	91	54879	0.20	UG/M3	97
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	0.000		0	N.D.		
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.014	91	12837	0.04	UG/M3#	91
55) 7156 (m- and/or p-) Xy...	18.210	91	23513	0.11	UG/M3	95
56) 7157 o-Xylene	18.938	91	9850	0.04	UG/M3	86
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	20.540	105	6188	0.02	UG/M3#	40
63) 7902 1,3,5-Trimethylbe...	20.644	105	3898	0.02	UG/M3#	34
64) 7904 1,2,4-Trimethylbe...	21.354	105	12703	0.06	UG/M3	71
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	22.082	146	3702	0.03	UG/M3#	11
67) 7063 Benzyl Chloride	22.302	91	3052	0.02	UG/M3#	60
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

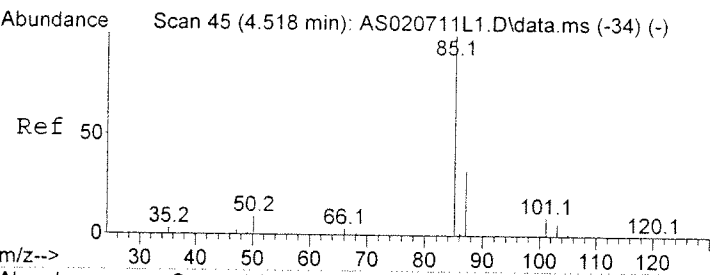
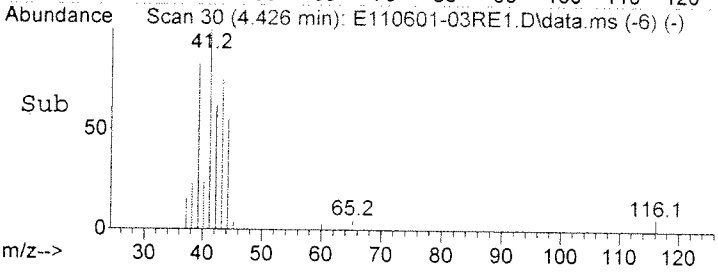


#2
 7001 Propene
 Concen: 0.36 UG/M3
 RT: 4.426 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion:	Resp:	Lower	Upper
41	49182		
39	84.9	47.3	87.3
42	62.3	49.0	89.0

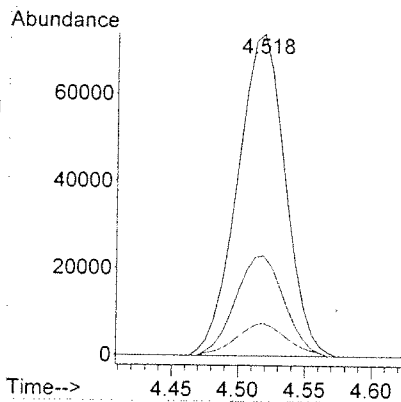
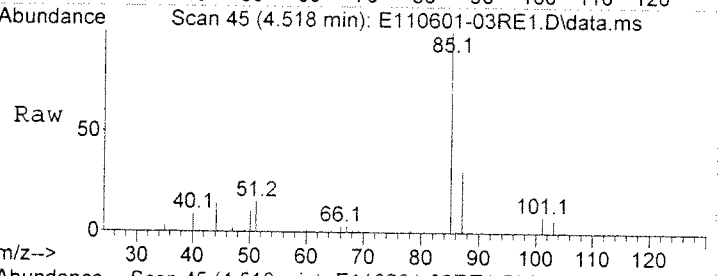


5x61K

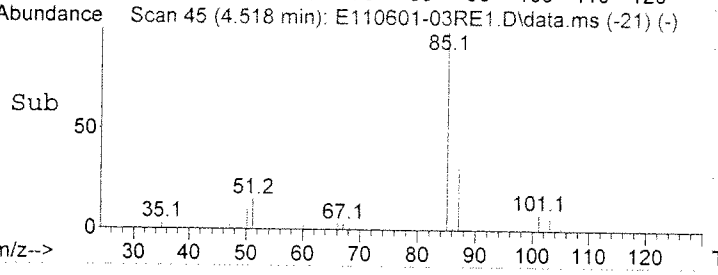


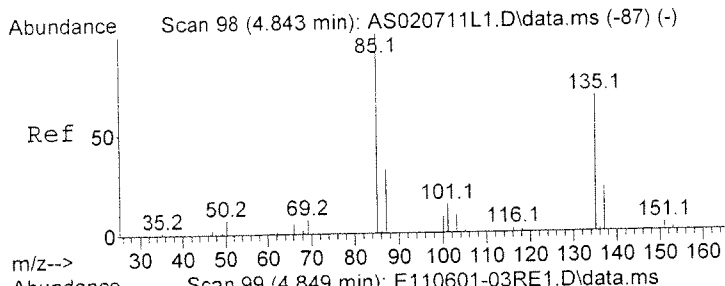
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.09 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion:	Resp:	Lower	Upper
85	183667		
87	31.6	12.7	52.7
50	10.7	0.0	29.1



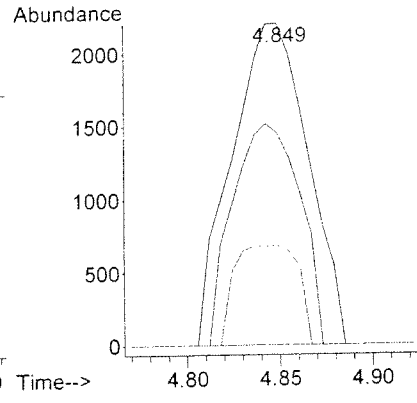
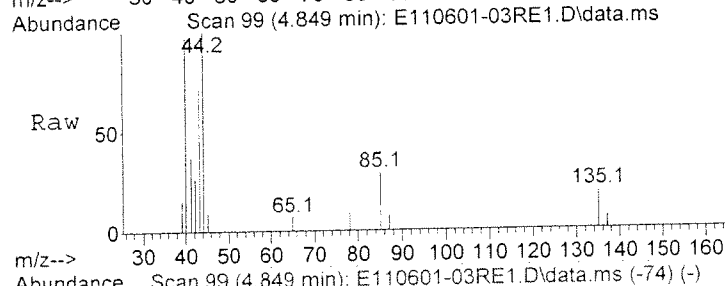
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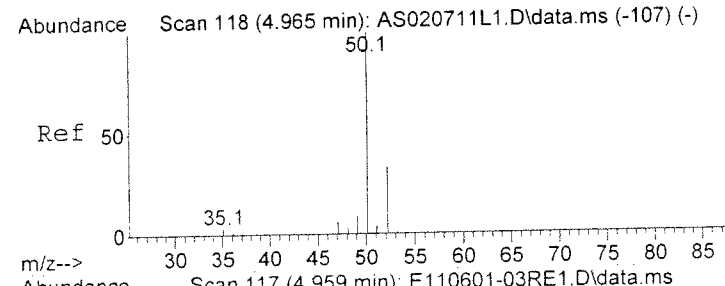
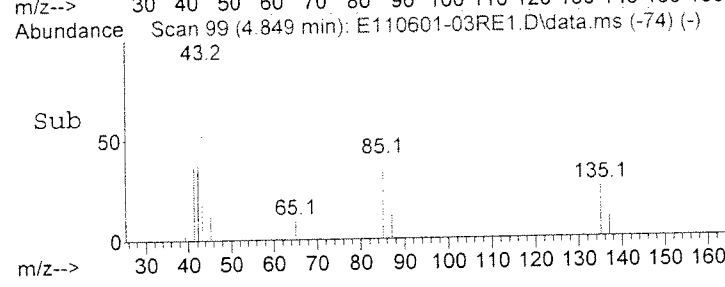


#4
 7017 Freon 114 (C12F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.849 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
85	100		
135	60.7	50.8	90.8
87	0.0	12.6	52.6#

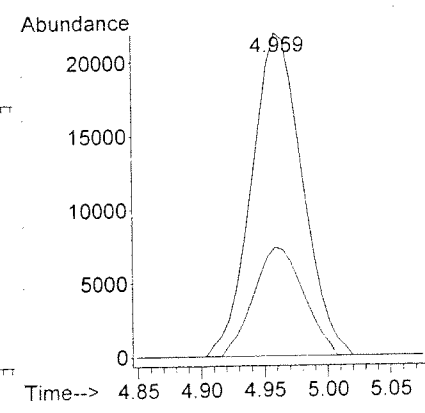
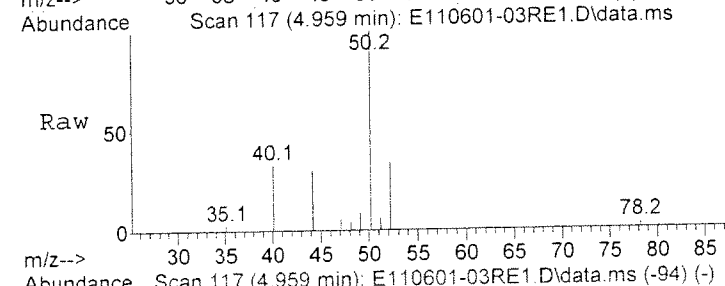


LMDL

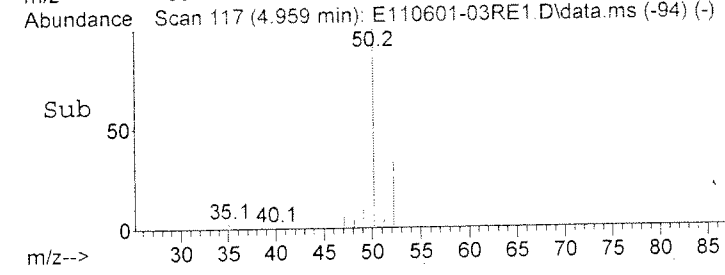


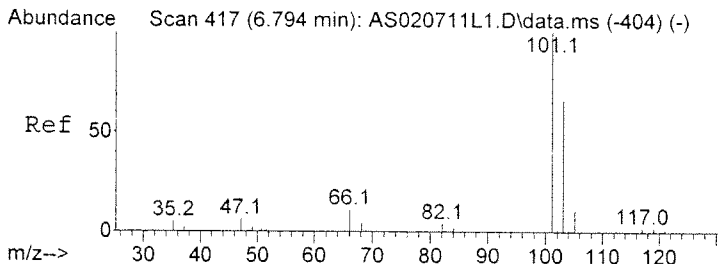
#5
 7025 Chloromethane
 Concen: 0.43 UG/M3
 RT: 4.959 min Scan# 117
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.2	13.2	53.2



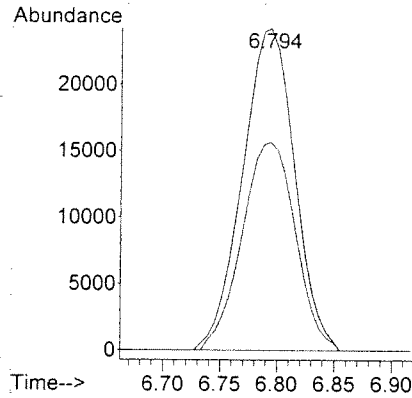
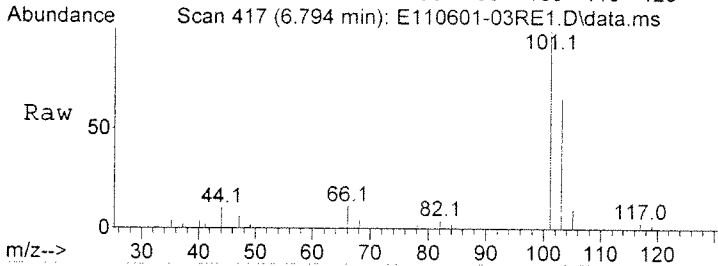
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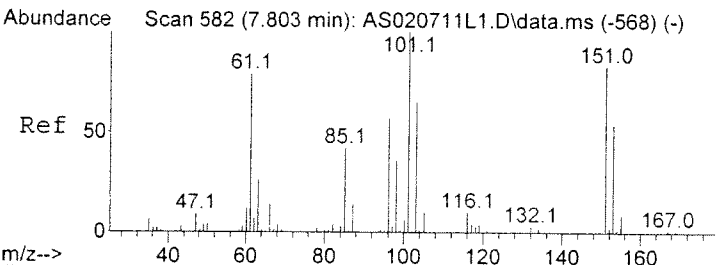
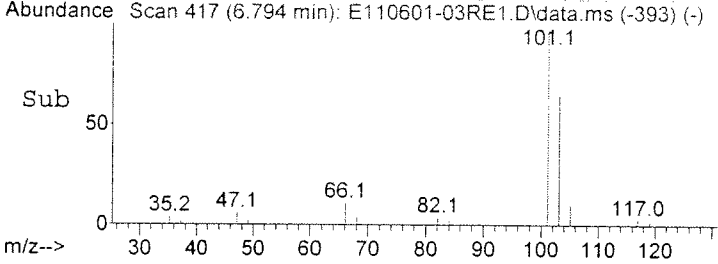


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.57 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
101	100		
103	66.1	45.1	85.1

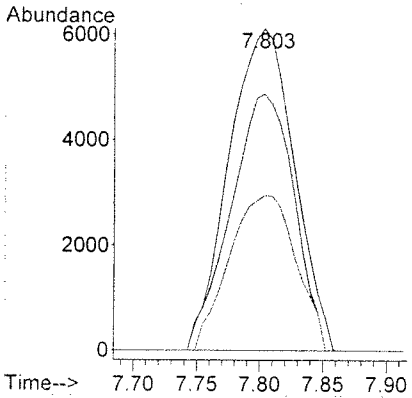
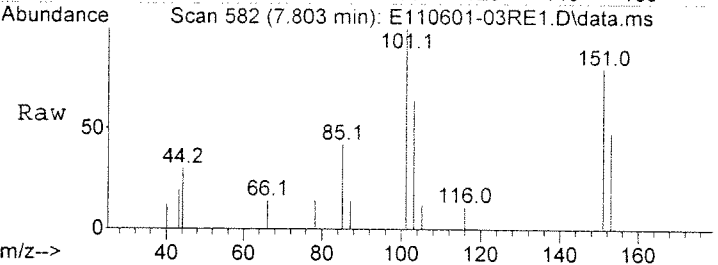


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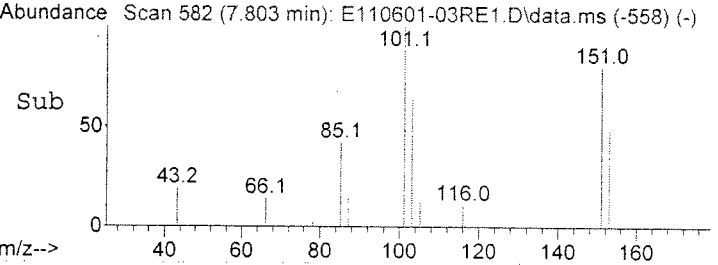


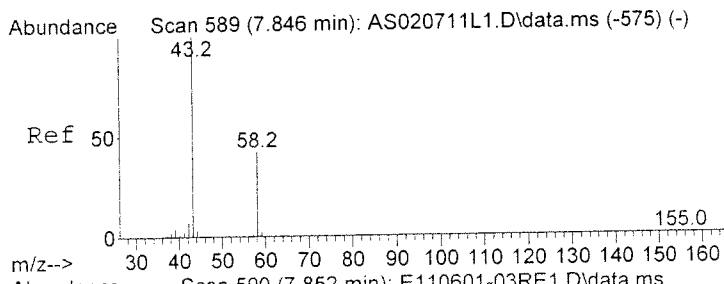
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.25 UG/M3
 RT: 7.803 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
101	100		
151	77.1	64.5	104.5
153	49.4	34.2	74.2



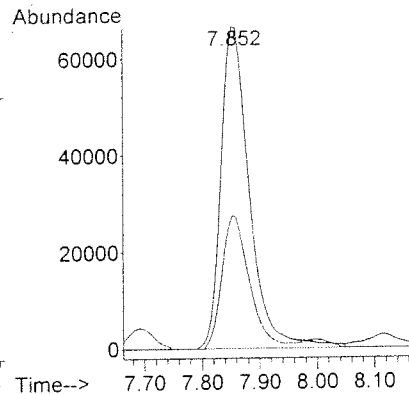
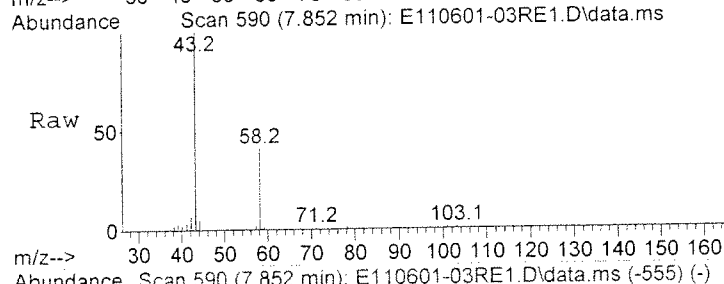
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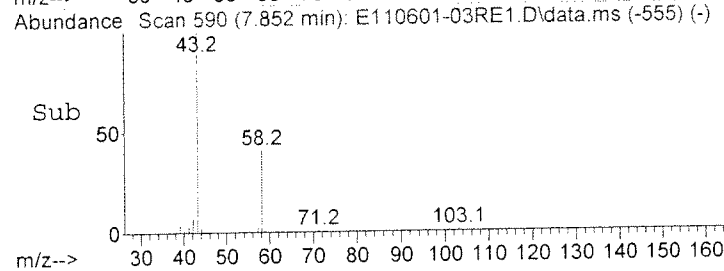


#14
 7051 Acetone
 Concen: 1.49 UG/M3
 RT: 7.852 min Scan# 590
 Delta R.T. 0.012 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
43	227846		
43	100		
58	39.5	21.6	61.6

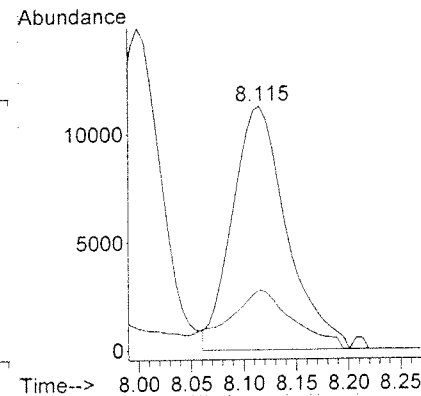
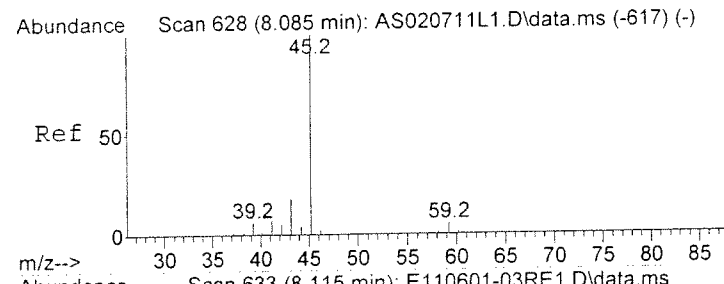


<10x blk

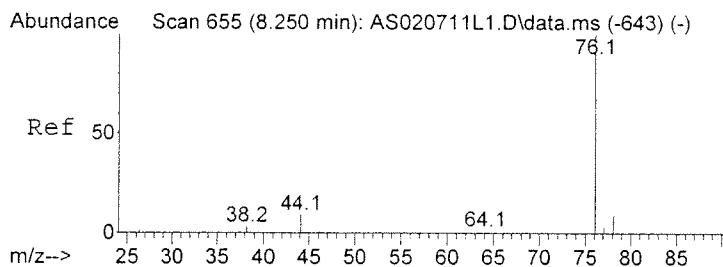


#15
 7024 Isopropanol
 Concen: 0.26 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
45	40433		
45	100		
43	18.3	0.0	37.4

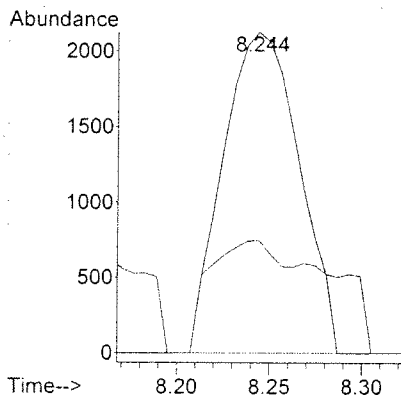
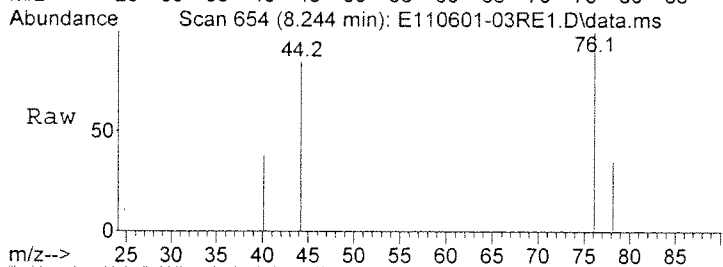


OK
LS blk*

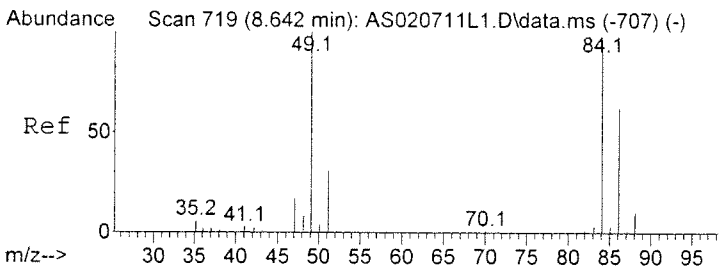
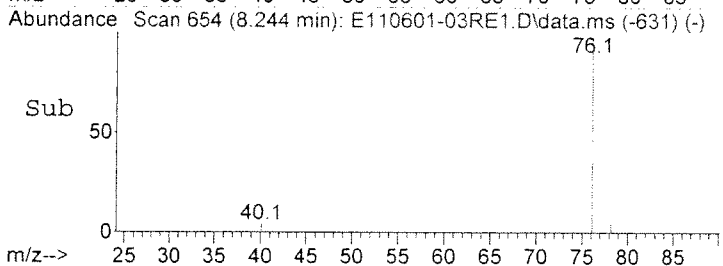


#16
 7052 Carbon Disulfide
 Concen: 0.02 UG/M3
 RT: 8.244 min Scan# 654
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
76	100		
78	0.0	0.0	29.2

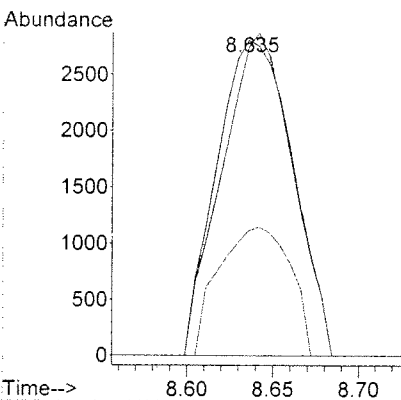
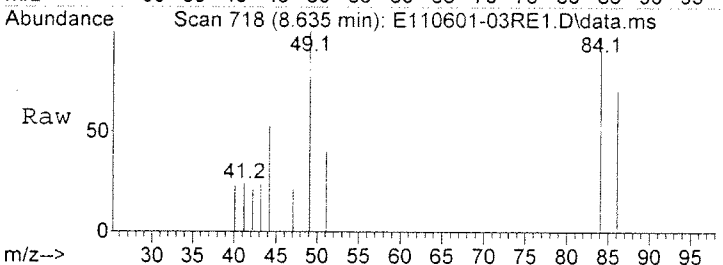


CMPL

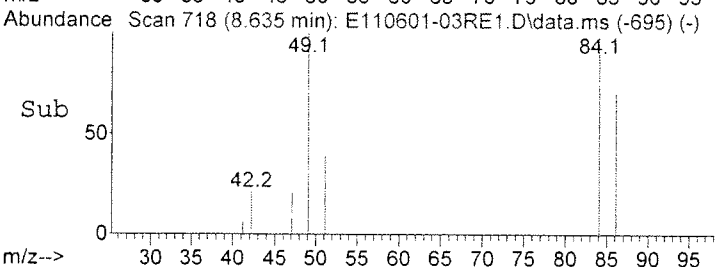


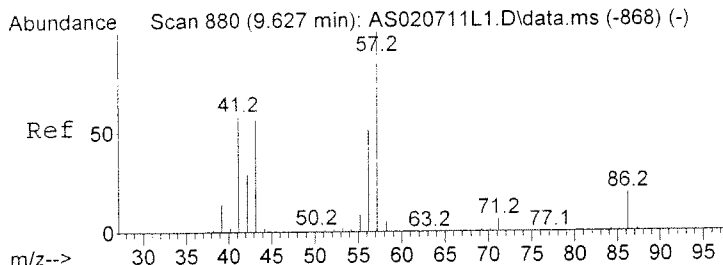
#18
 7045 Methylene Chloride
 Concen: 0.10 UG/M3
 RT: 8.635 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
49	100		
84	95.0	75.6	115.6
51	38.4	11.5	51.5



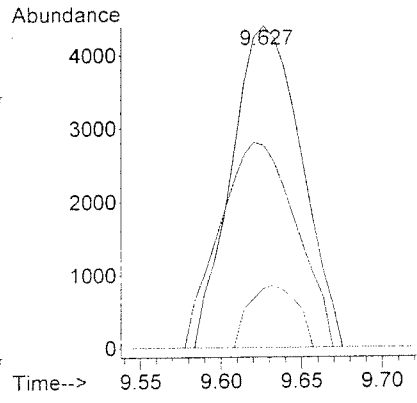
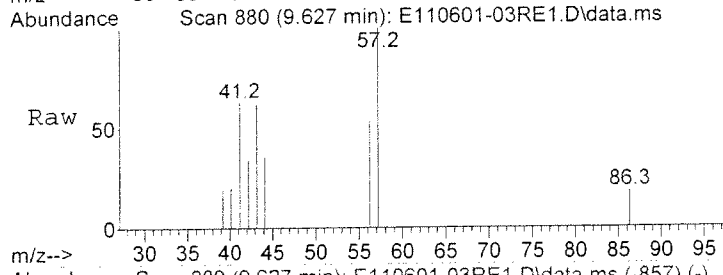
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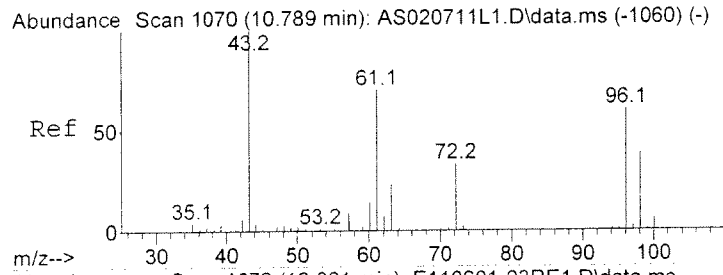
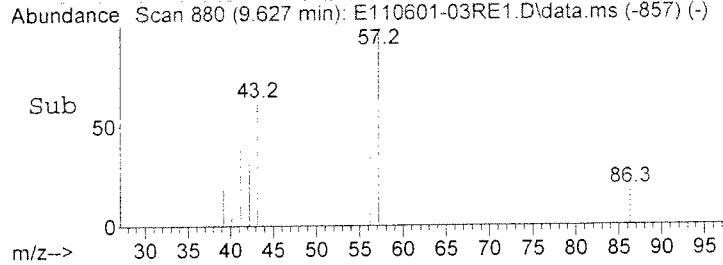


#22
 7016 Hexane
 Concen: 0.08 UG/M3
 RT: 9.627 min Scan# 880
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
57	13178		
57	100		
41	69.8	36.5	76.5
86	0.0	0.0	39.4

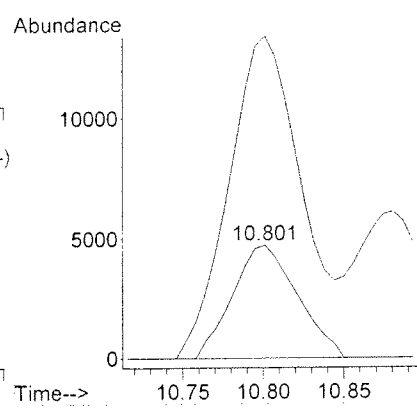
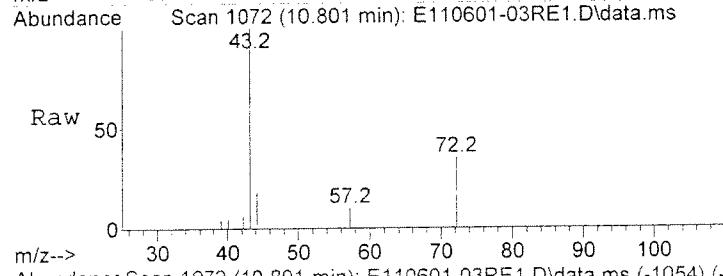


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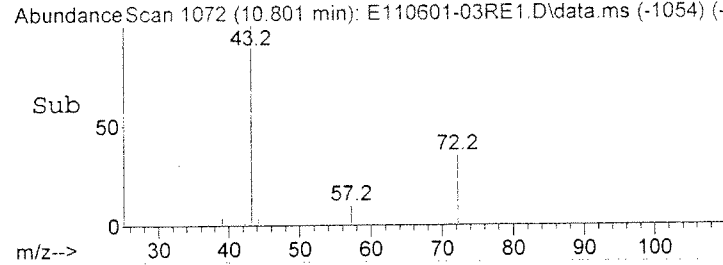


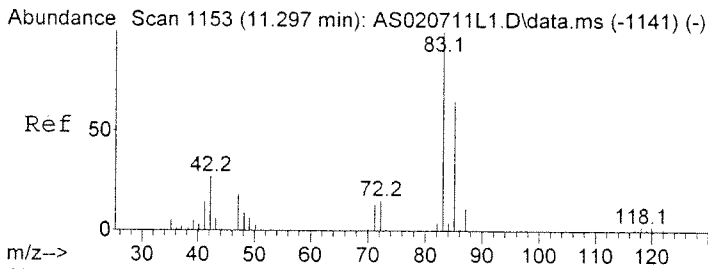
#25
 7058 Methyl Ethyl Ketone
 Concen: 0.29 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. 0.012 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
72	13172		
72	100		
43	314.6	275.8	315.8



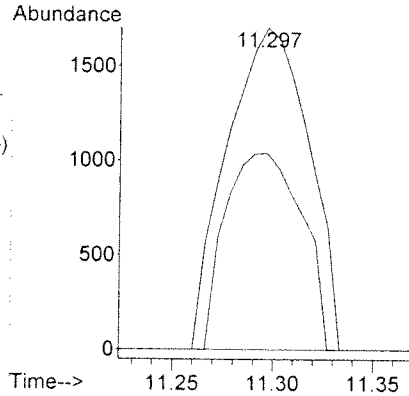
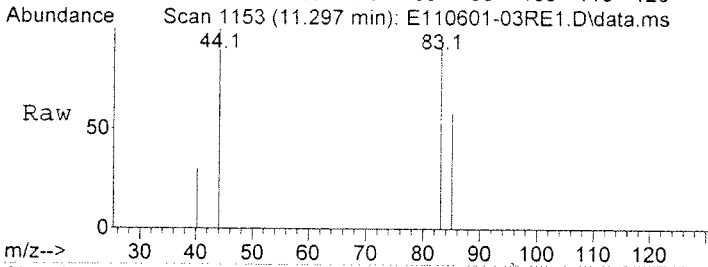
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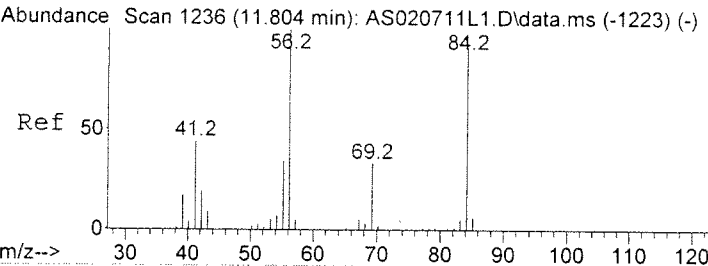
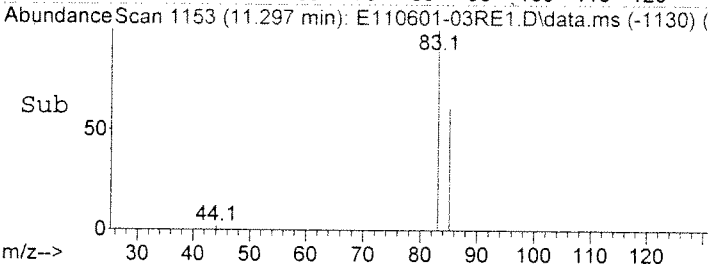


#28
 7065 Chloroform
 Concen: 0.04 UG/M3
 RT: 11.297 min Scan# 1153
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion: 83 Resp: 4834
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.2 85.2#

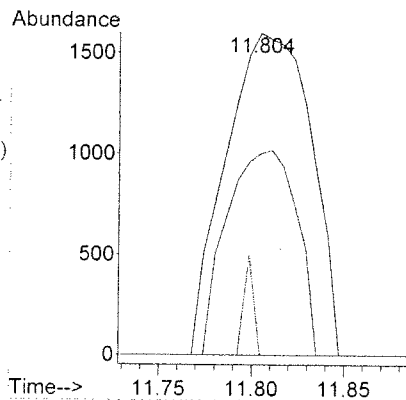
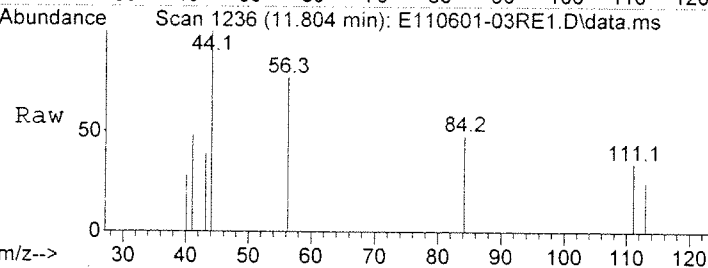


CMDL

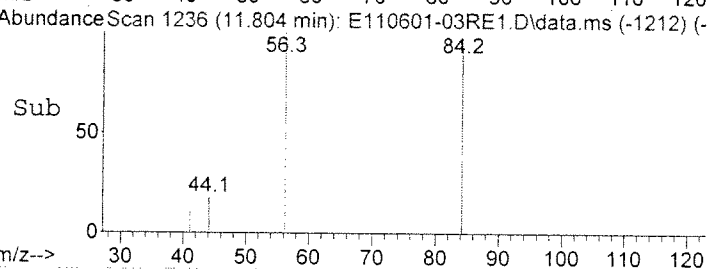


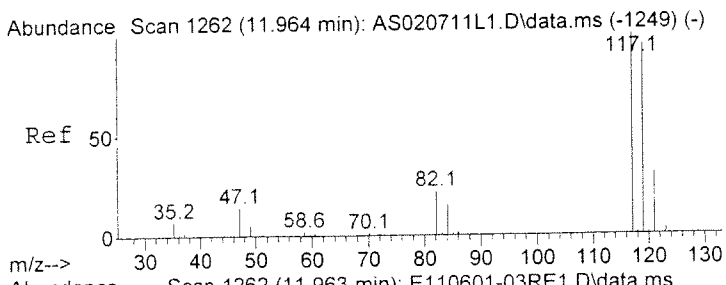
#32
 7013 Cyclohexane
 Concen: 0.03 UG/M3
 RT: 11.804 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion: 56 Resp: 5116
 Ion Ratio Lower Upper
 56 100
 84 0.0 72.6 112.6#
 69 0.0 13.2 53.2#



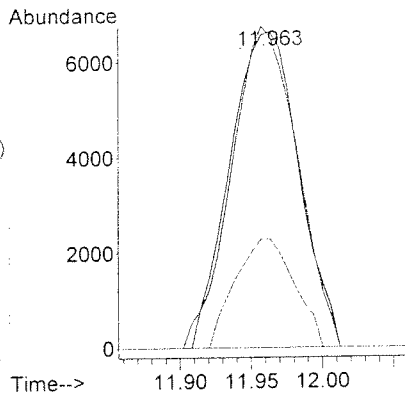
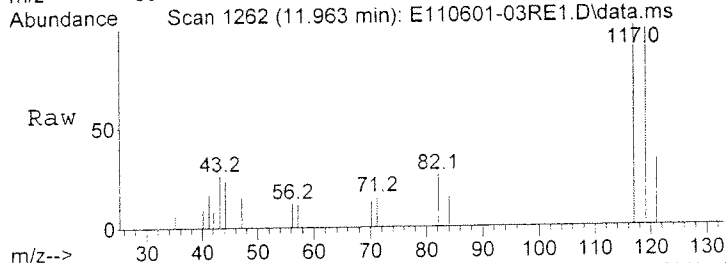
CMDL



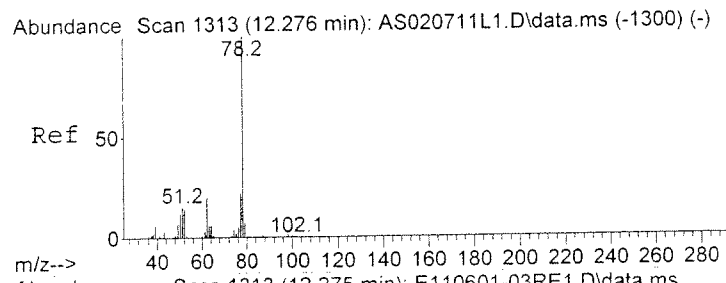
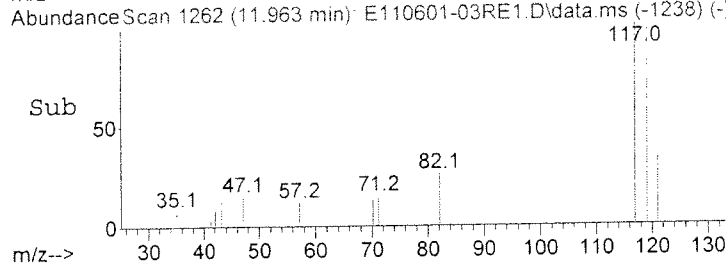


#33
 7080 Carbon Tetrachloride
 Concen: 0.23 UG/M3
 RT: 11.963 min Scan# 1262
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.5	76.2	116.2
121	29.7	11.2	51.2

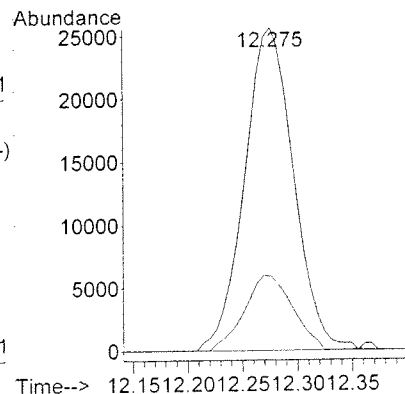
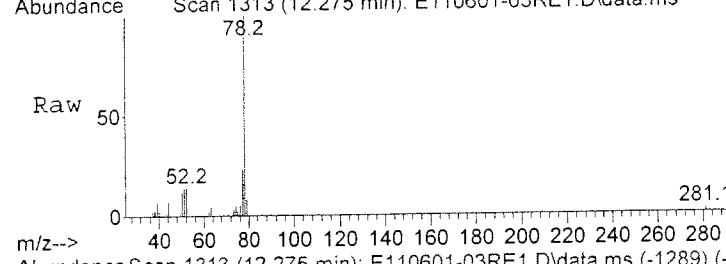


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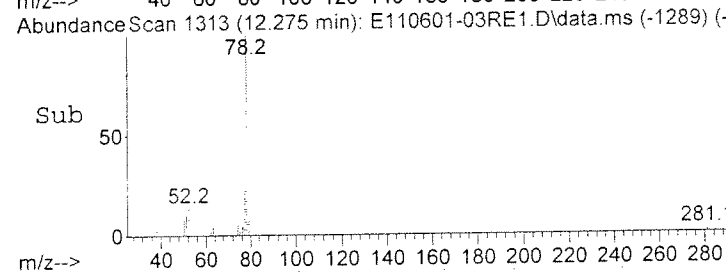


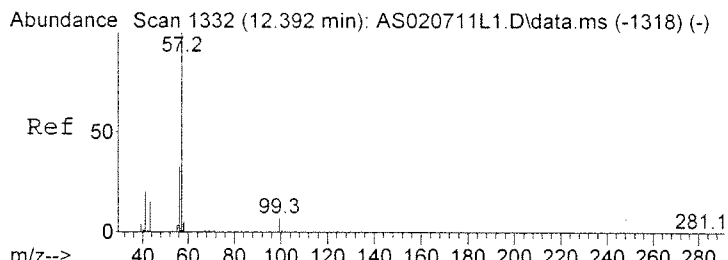
#35
 7105 Benzene
 Concen: 0.26 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.1	2.6	42.6



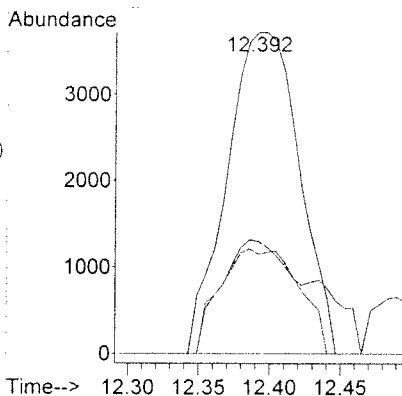
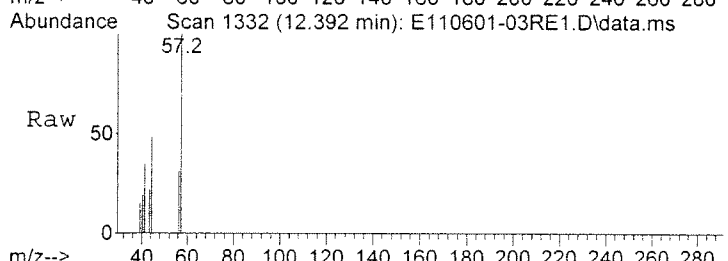
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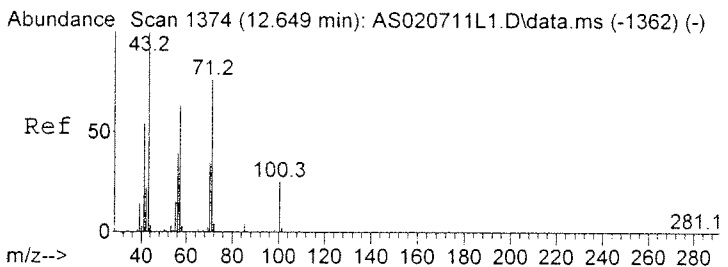
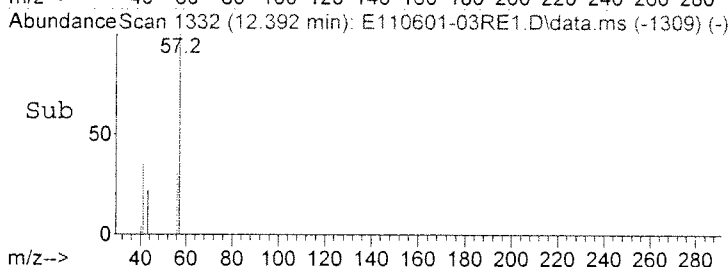


#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.04 UG/M3
 RT: 12.392 min Scan# 1332
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
57	13195		
41	33.4	0.1	40.1
56	0.0	13.6	53.6#

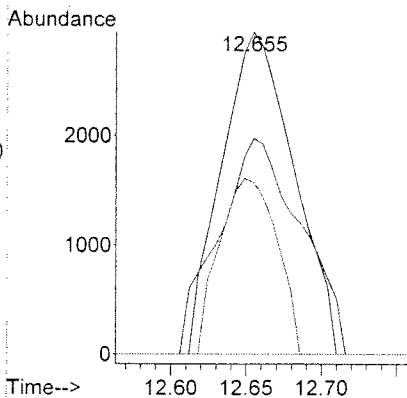
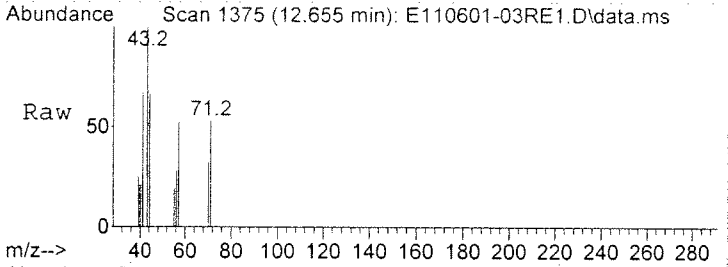


CMDL

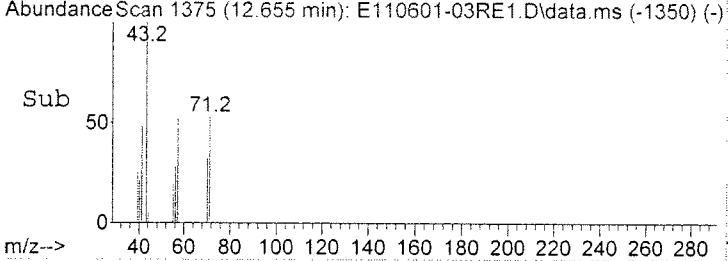


#37
 7038 Heptane
 Concen: 0.08 UG/M3
 RT: 12.655 min Scan# 1375
 Delta R.T. 0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

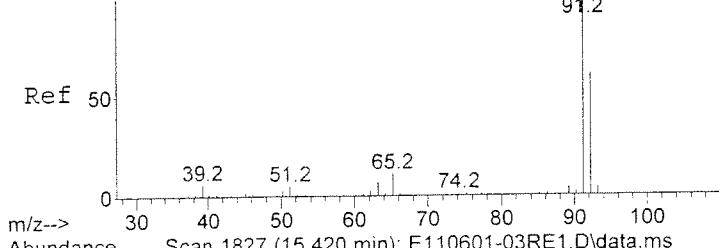
Tgt Ion	Resp	Lower	Upper
43	9827		
41	76.6	32.9	72.9#
71	43.5	56.7	96.7#



OK

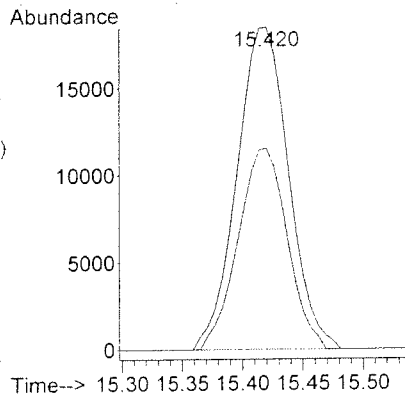
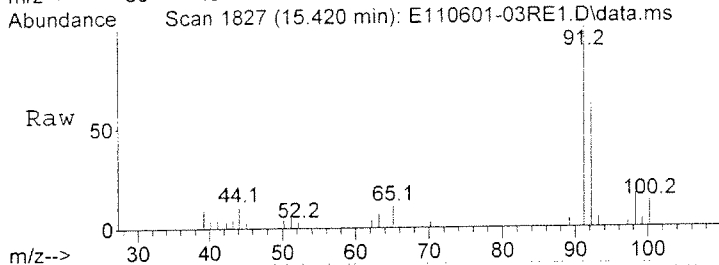


Abundance Scan 1827 (15.420 min): AS020711L1.D\data.ms (-1814) (-)



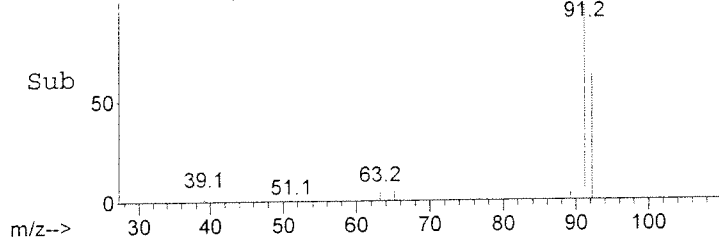
#46
7145 Toluene
Concen: 0.20 UG/M3
RT: 15.420 min Scan# 1827
Delta R.T. -0.000 min
Lab File: E110601-03RE1.D
Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
91	54879		
92	59.3	41.6	81.6

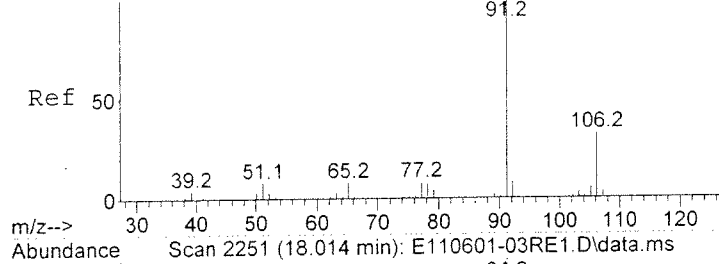


OK

Abundance Scan 1827 (15.420 min): E110601-03RE1.D\data.ms (-1803) (-)

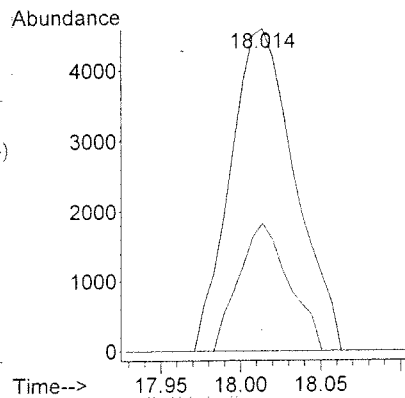
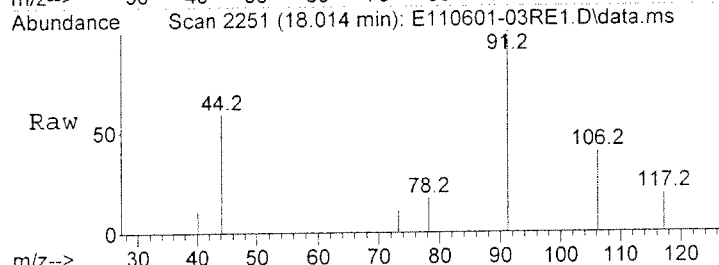


Abundance Scan 2251 (18.014 min): AS020711L1.D\data.ms (-2239) (-)



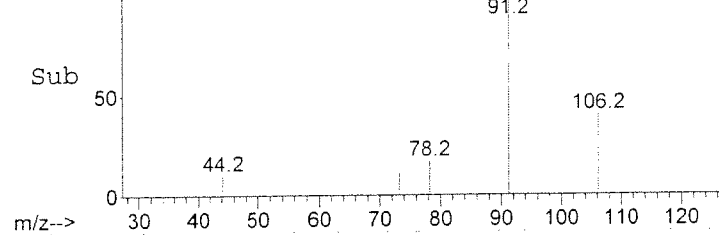
#54
7155 Ethylbenzene
Concen: 0.04 UG/M3
RT: 18.014 min Scan# 2251
Delta R.T. -0.006 min
Lab File: E110601-03RE1.D
Acq: 7 Feb 2011 6:50 pm

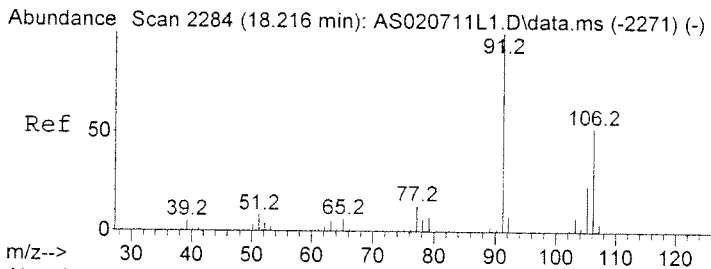
Tgt Ion	Resp	Lower	Upper
91	12837		
106	30.9	13.9	53.9
51	0.0	0.0	28.0



CMDL

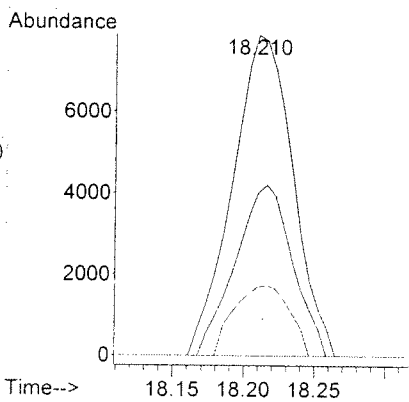
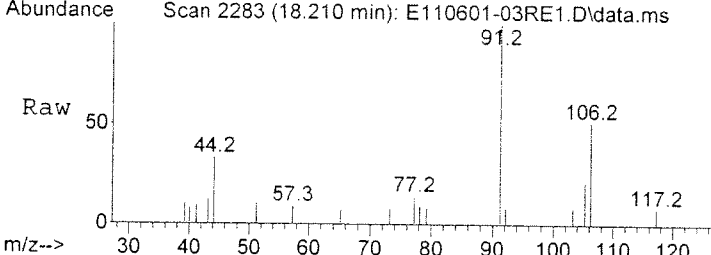
Abundance Scan 2251 (18.014 min): E110601-03RE1.D\data.ms (-2228) (-)



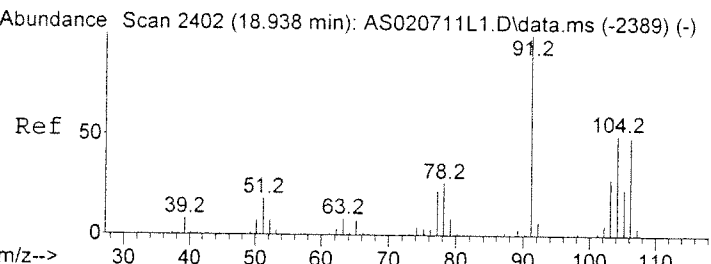
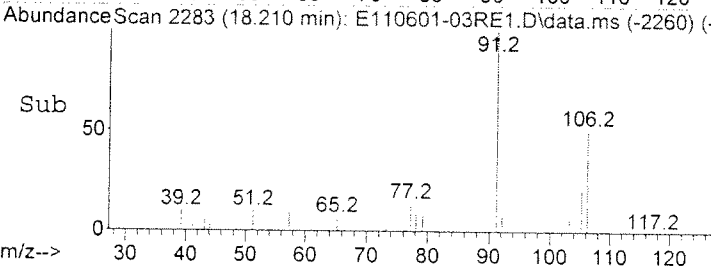


#55
 7156 (m- and/or p-) Xylene
 Concen: 0.11 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
91	23513		
106	50.4	33.6	73.6
105	20.2	3.5	43.5

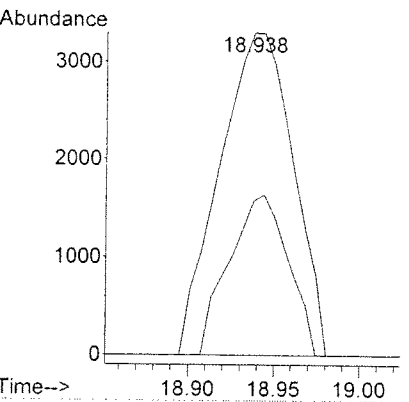
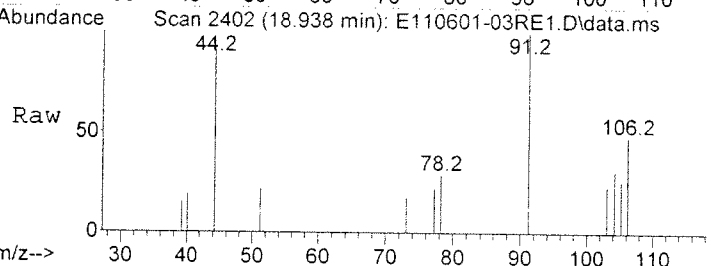


OK

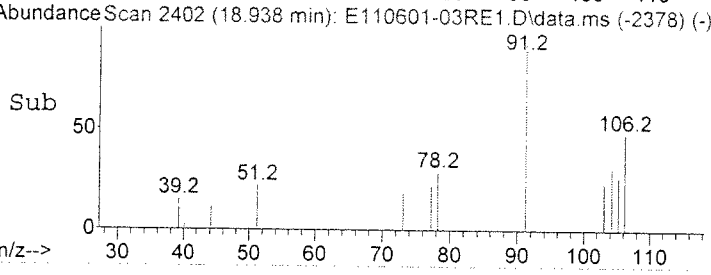


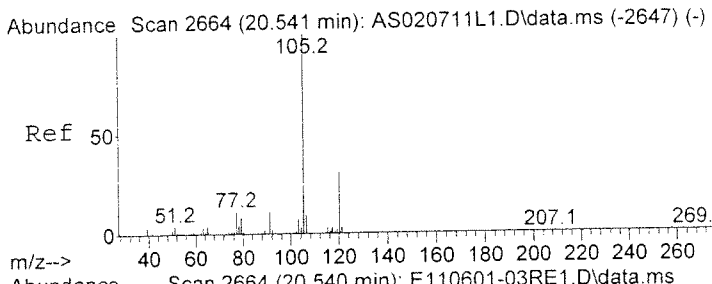
#56
 7157 o-Xylene
 Concen: 0.04 UG/M3
 RT: 18.938 min Scan# 2402
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
91	9850		
106	39.9	29.7	69.7



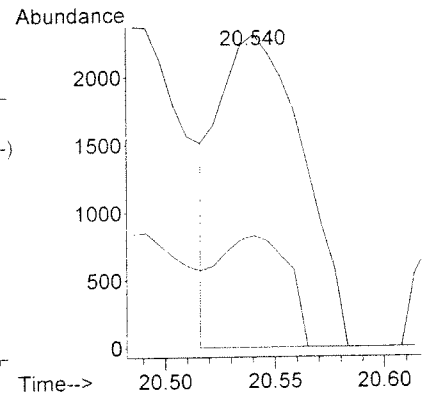
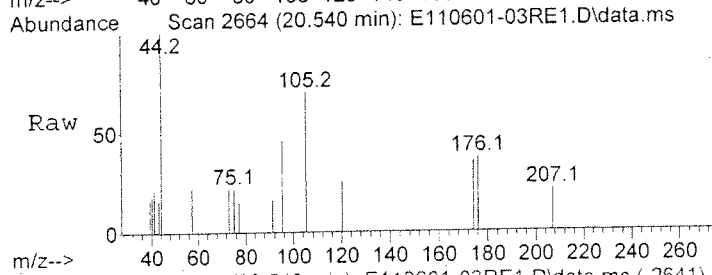
CMPL



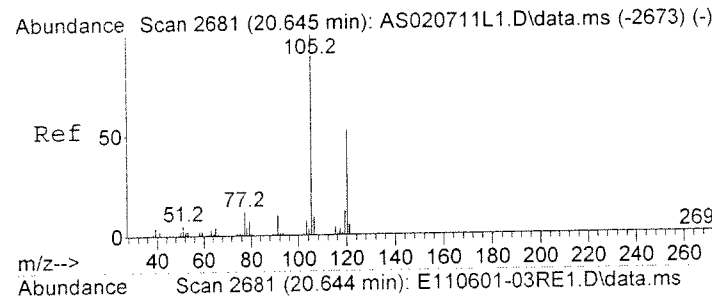
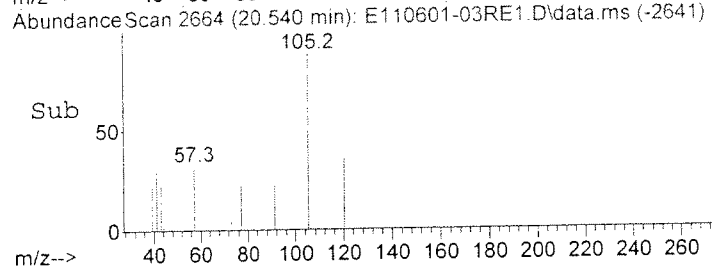


#62
 7047 4-Ethyltoluene (1-ethyl-4-methylbe
 Concen: 0.02 UG/M3
 RT: 20.540 min Scan# 2664
 Delta R.T. -0.006 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
105	100		
120	0.0	15.2	55.2#

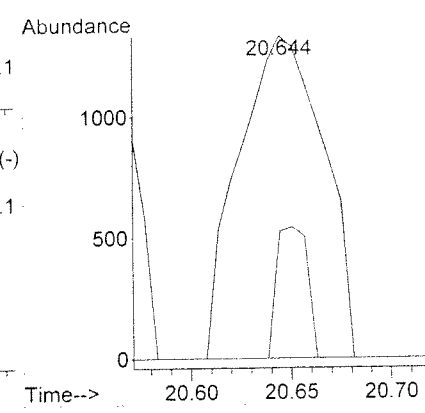
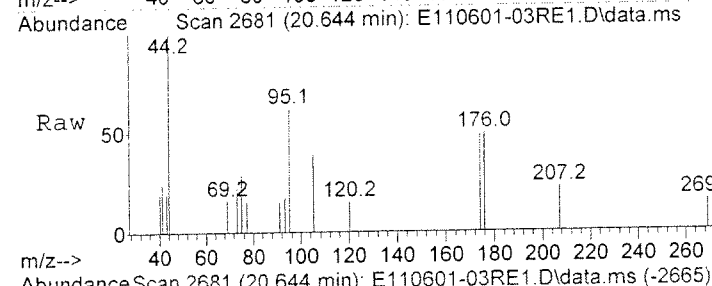


LMDL

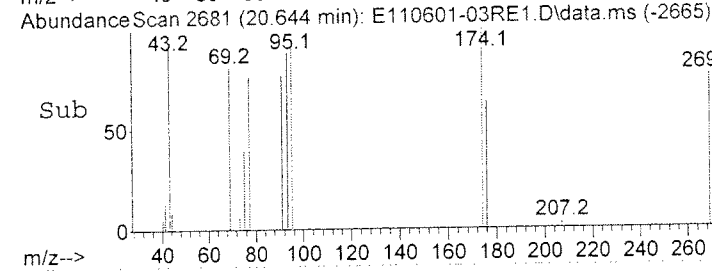


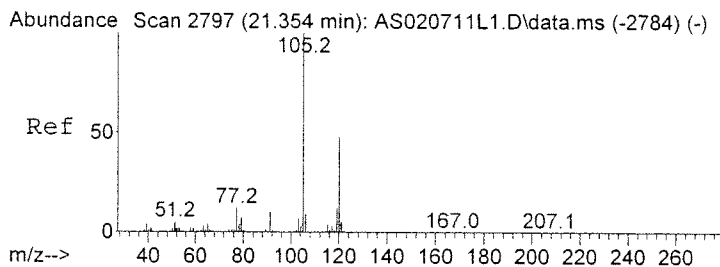
#63
 7902 1,3,5-Trimethylbenzene
 Concen: 0.02 UG/M3
 RT: 20.644 min Scan# 2681
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Resp	Lower	Upper
105	100		
120	0.0	32.8	72.8#
119	0.0	0.0	32.6



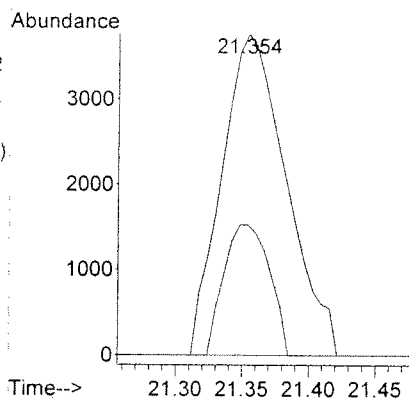
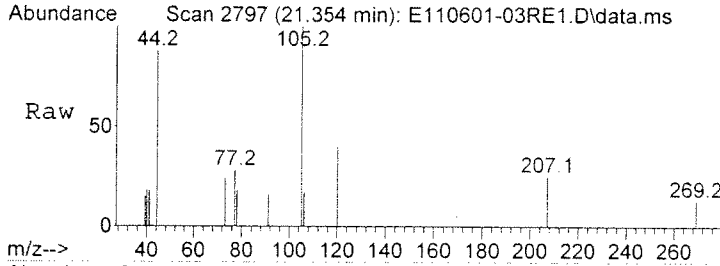
LMDL



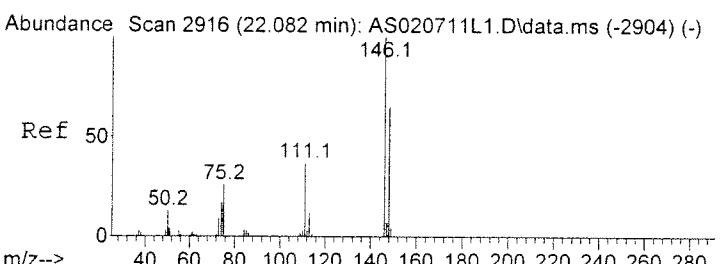
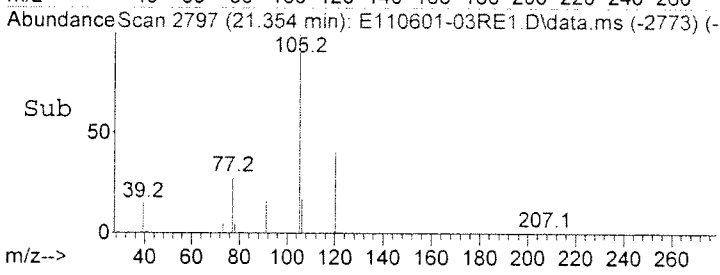


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.06 UG/M3
 RT: 21.354 min Scan# 2797
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.8	28.6	68.6

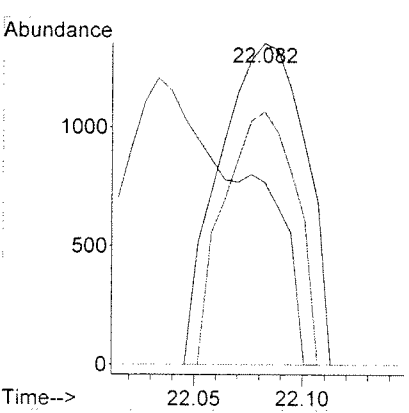
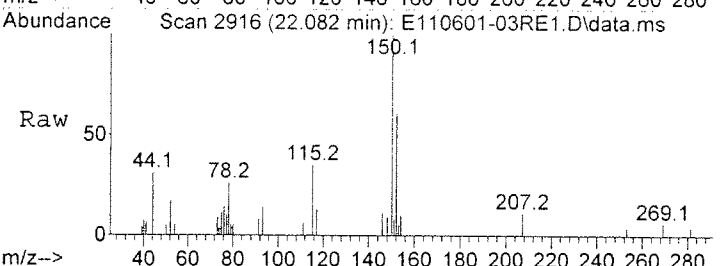


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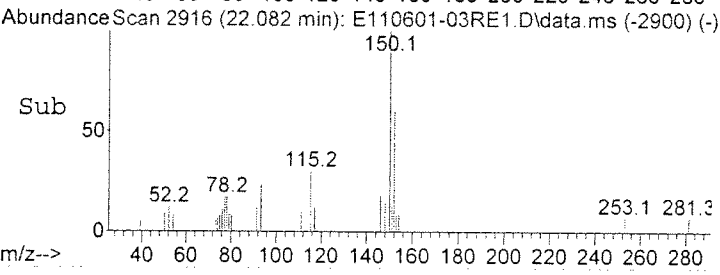


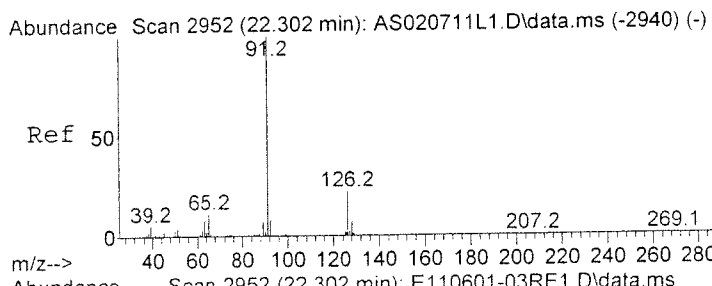
#66
 7200 1,4-Dichlorobenzene
 Concen: 0.03 UG/M3
 RT: 22.082 min Scan# 2916
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	99.1	18.0	58.0#
148	0.0	44.3	84.3#



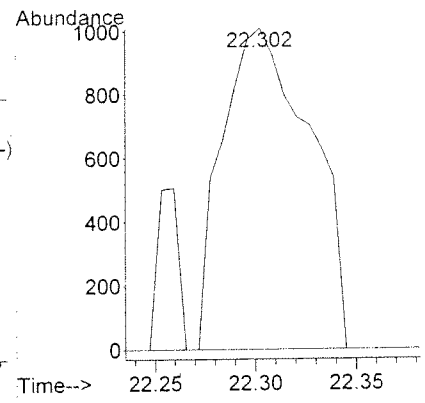
<MDL





#67
 7063 Benzyl Chloride
 Concen: 0.02 UG/M3
 RT: 22.302 min Scan# 2952
 Delta R.T. -0.000 min
 Lab File: E110601-03RE1.D
 Acq: 7 Feb 2011 6:50 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	2.0	42.0#
65	0.0	0.0	31.1



SMDL

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020711.M
 Title : TO15

Signal : TIC: E110601-03RE1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	21	rVB	60269	142981	1.14%	0.267%
2	4.433	21	31	37	rVV2	96976	282791	2.26%	0.529%
3	4.518	37	45	59	rVB3	141587	431430	3.45%	0.807%
4	4.879	88	104	110	rBV3	43265	133173	1.06%	0.249%
5	5.246	149	164	175	rBV	79174	252417	2.02%	0.472%
6	5.503	197	206	216	rVB	60967	183772	1.47%	0.344%
7	6.421	345	356	369	rVB	45299	157113	1.26%	0.294%
8	6.794	403	417	433	rVB	53305	176196	1.41%	0.330%
9	6.959	433	444	458	rVV	33228	105536	0.84%	0.197%
10	7.118	460	470	495	rBV	26869	100084	0.80%	0.187%
11	7.852	572	590	604	rBV	112421	439866	3.51%	0.823%
12	7.999	604	614	624	rVB	123099	368756	2.95%	0.690%
13	11.554	1179	1195	1209	rBV	2268958	6921975	55.31%	12.945%
14	12.275	1302	1313	1324	rVB	53361	152608	1.22%	0.285%
15	12.814	1388	1401	1417	rBV	684967	1992564	15.92%	3.726%
16	15.304	1793	1808	1821	rBV2	3524002	10620439	84.86%	19.862%
17	15.414	1821	1826	1839	rVB	50698	147910	1.18%	0.277%
18	17.800	2201	2216	2244	rBV	698070	2054715	16.42%	3.843%
19	19.611	2497	2512	2529	rBV	3462178	10704810	85.53%	20.020%
20	19.886	2538	2557	2576	rBV	4271299	12515249	100.00%	23.405%
21	20.143	2590	2599	2613	rVB2	82262	279286	2.23%	0.522%
22	20.840	2701	2713	2729	rVB	1126299	3420973	27.33%	6.398%
23	21.862	2864	2880	2887	rBV	89887	263407	2.10%	0.493%
24	22.033	2897	2908	2924	rBV	536043	1623802	12.97%	3.037%

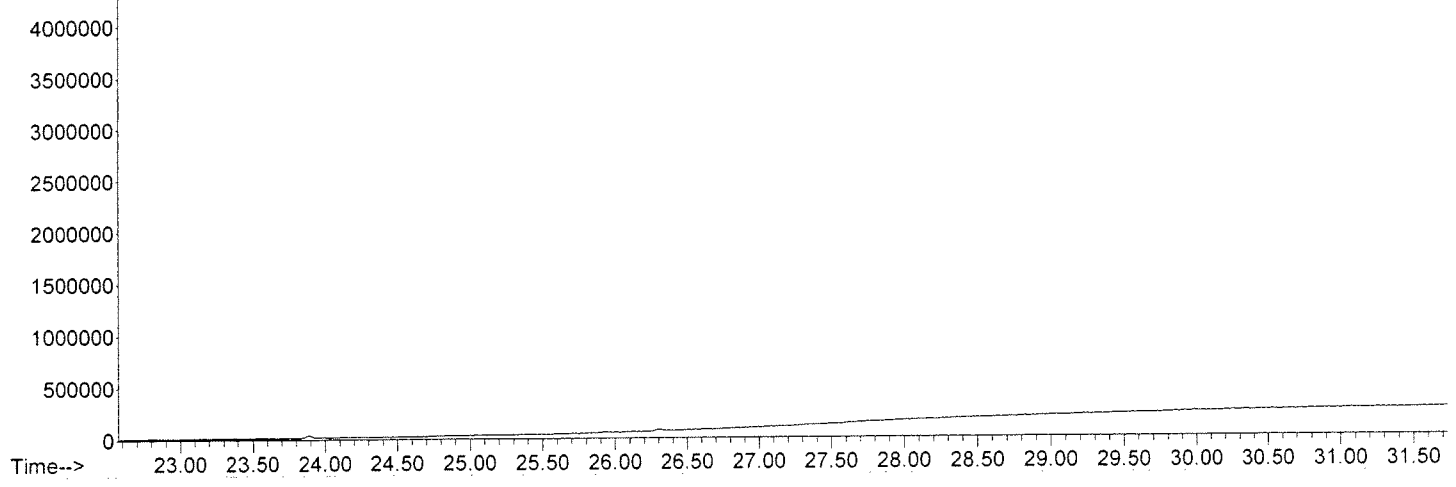
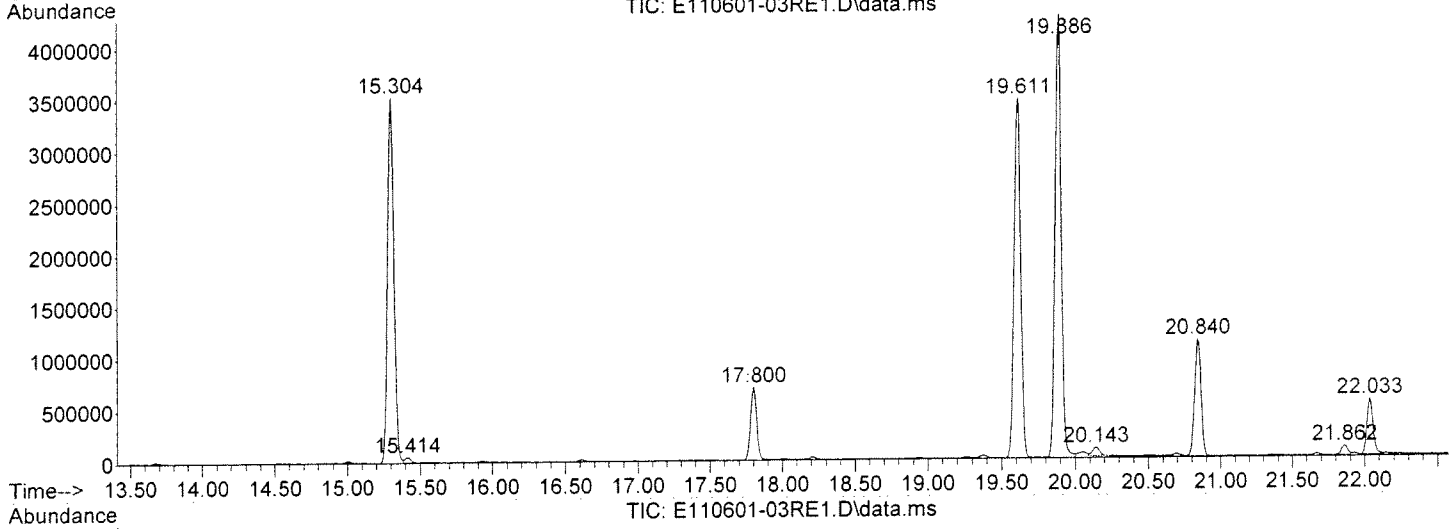
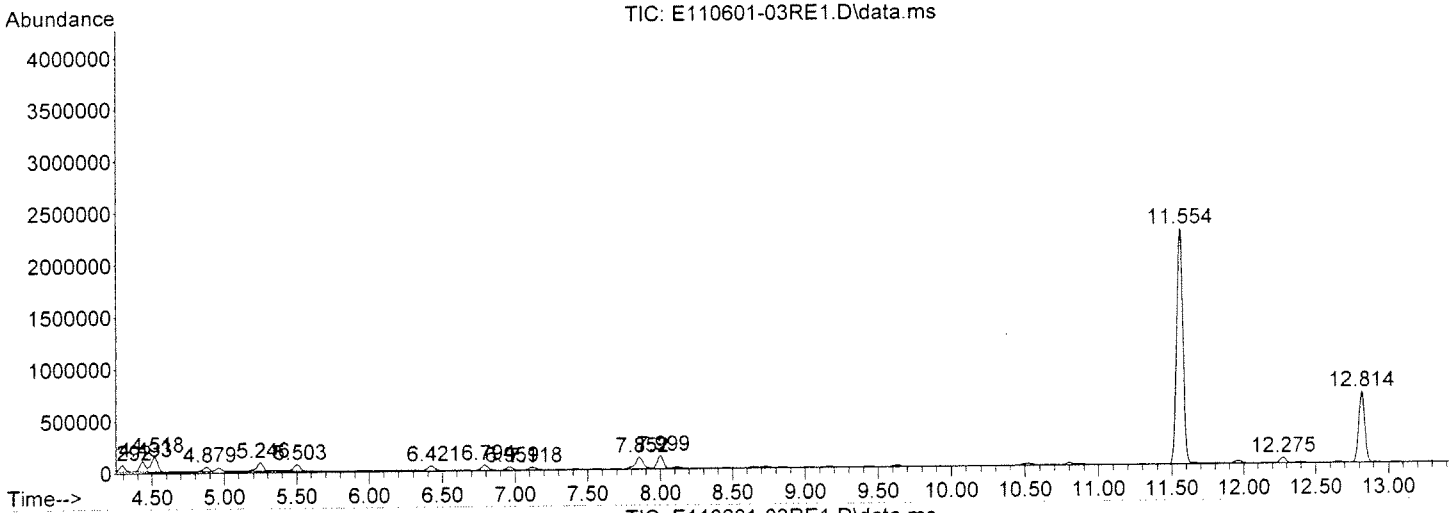
Sum of corrected areas: 53471853

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020711\
Data File : E110601-03RE1.D
Acq On : 7 Feb 2011 6:50 pm
Operator : FW
Sample : E110601-03RE1
Misc : can5930,500cc,ip=13,fp=30
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

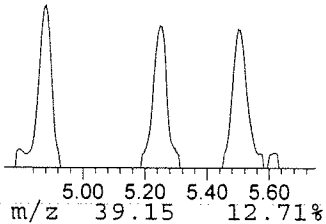
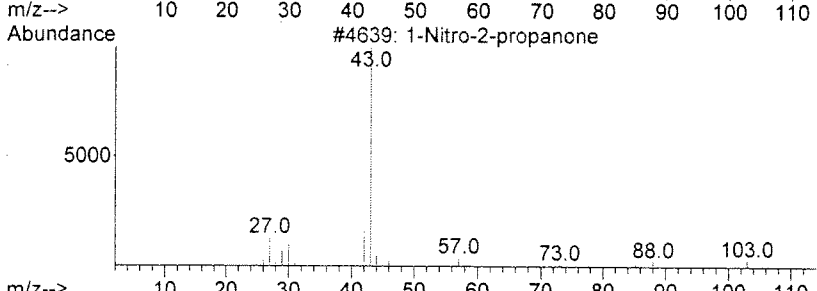
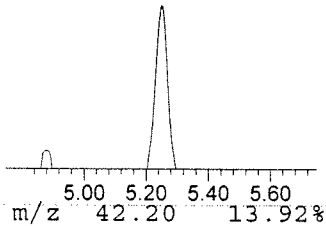
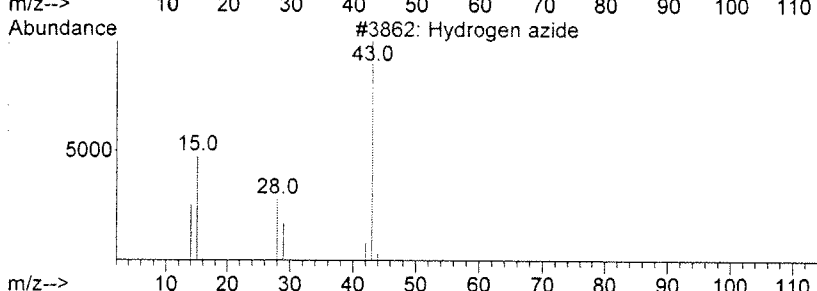
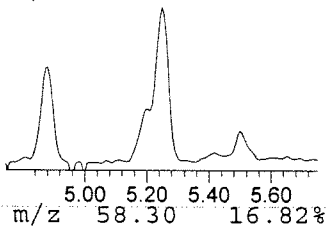
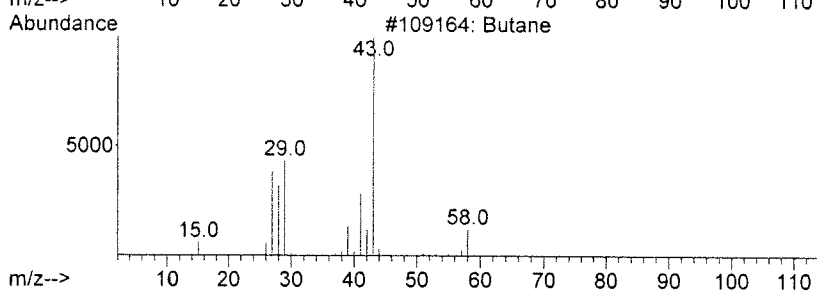
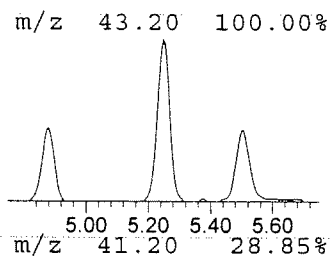
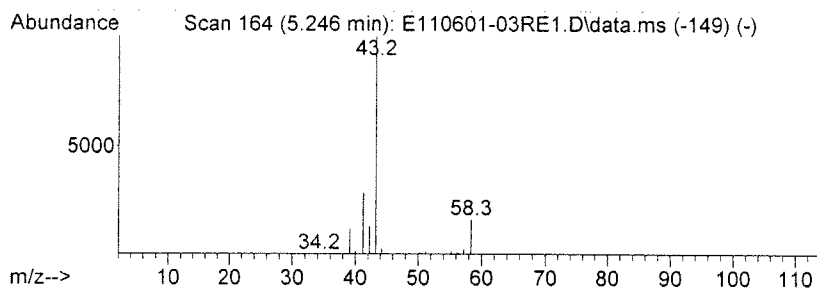
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Butane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.246	3.01 UG/M3 ^{L10}	252417	IS01 Difluorobenzene	12.814

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane	58	C4H10	000106-97-8	64
2		Hydrogen azide	43	HN3	007782-79-8	4
3		1-Nitro-2-propanone	103	C3H5NO3	010230-68-9	4
4		Isobutane	58	C4H10	000075-28-5	4
5		Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	4



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

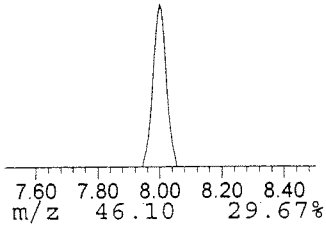
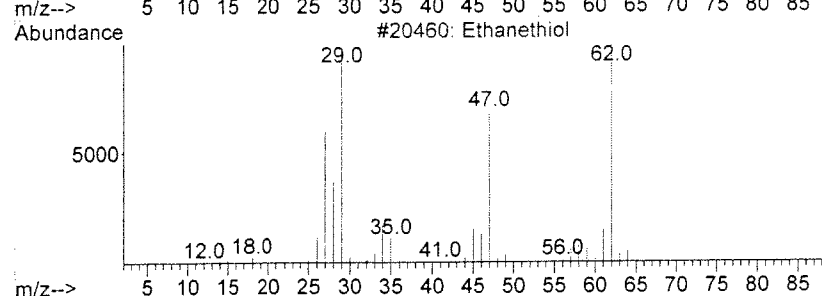
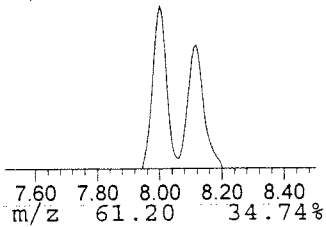
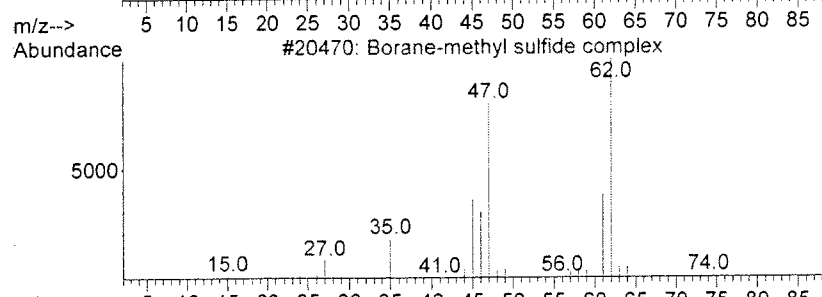
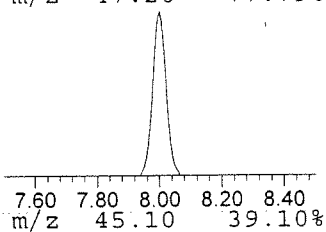
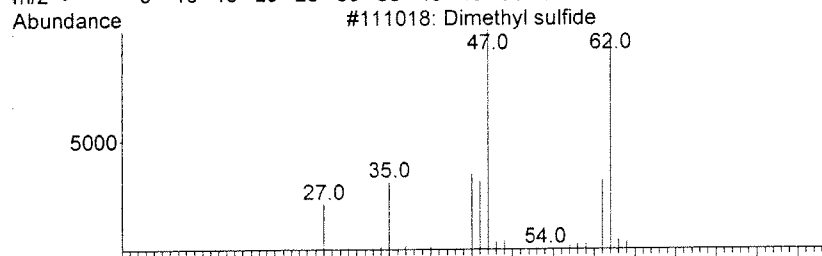
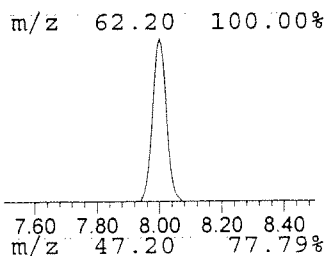
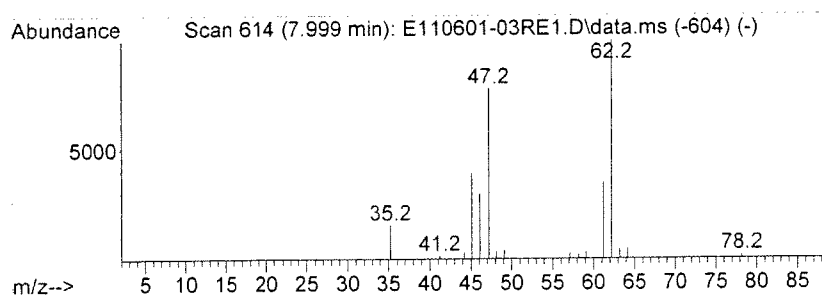
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Dimethyl sulfide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.999	4.40 ^{L10} UG/M3	368756	IS01 Difluorobenzene	12.814

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	94
2		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	91
3		Ethanethiol	62	C2H6S	000075-08-1	86
4		Methionine, 2-methyl-	163	C6H13NO2S	000562-48-1	83
5		Ethene, chloro-	62	C2H3Cl	000075-01-4	50



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

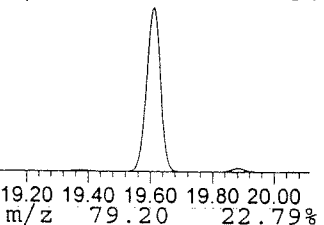
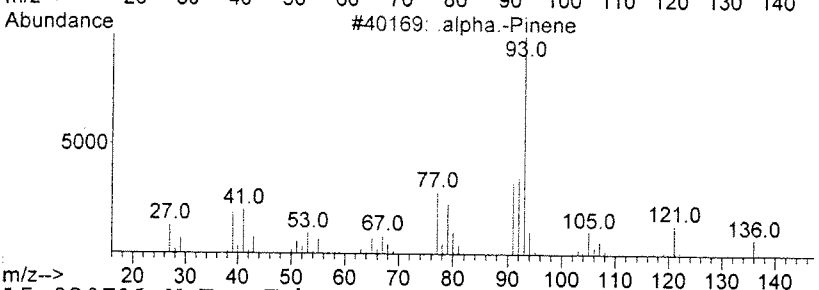
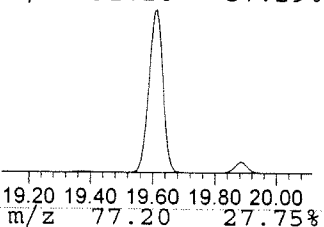
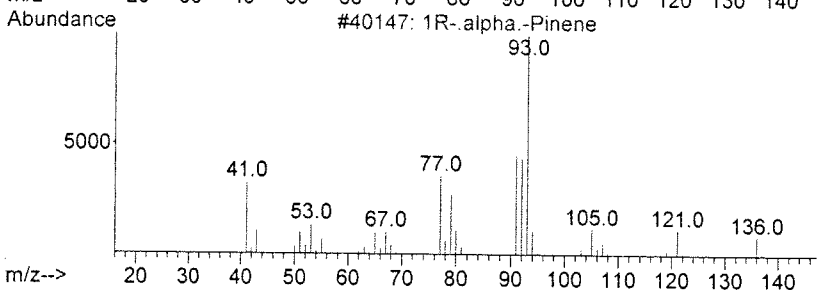
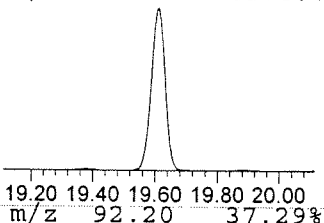
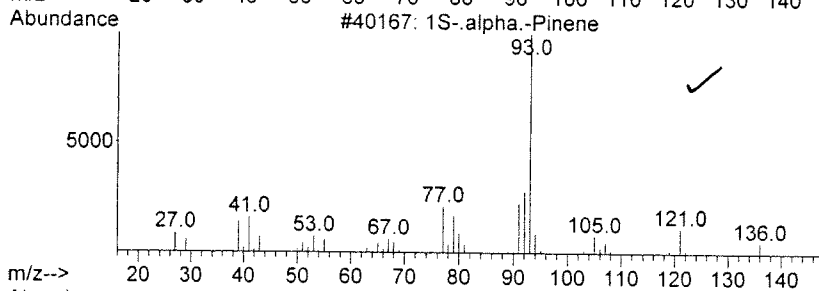
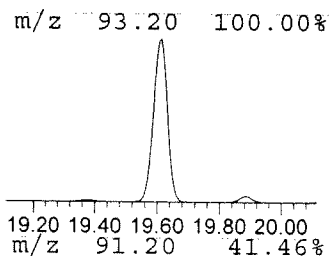
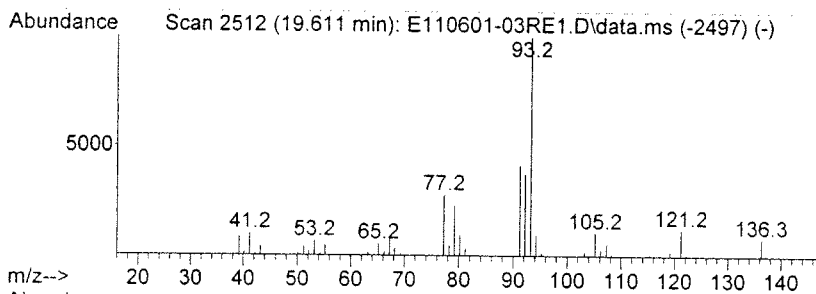
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 1S-.alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.611	124.52 UG/M3	10704800	IS02 Chlorobenzene-D5	17.800

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	1S-.alpha.-Pinene	136	C10H16	007785-26-4	96
2	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
5	Tricyclo[2.2.1.0 ^{2,6}]heptane, 1,7...	136	C10H16	000508-32-7	91



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

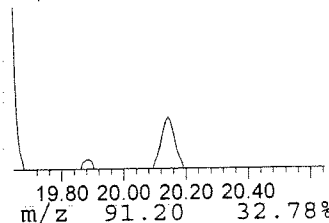
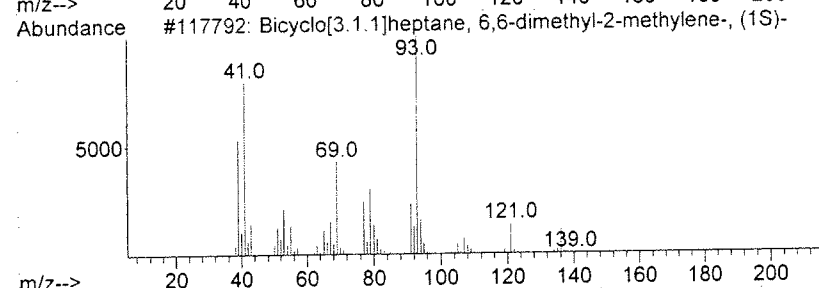
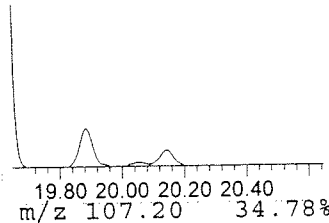
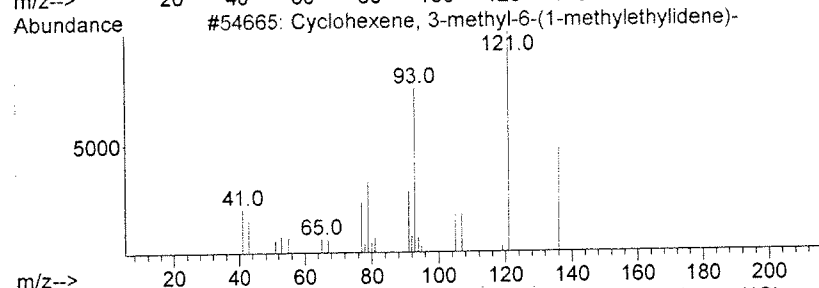
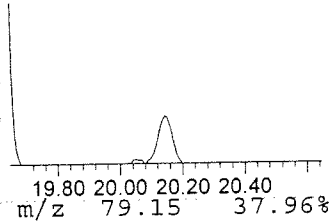
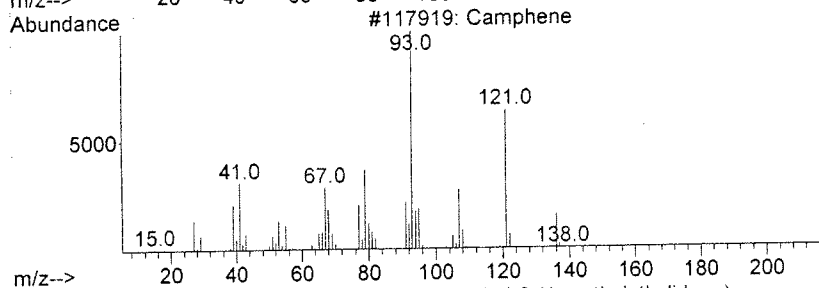
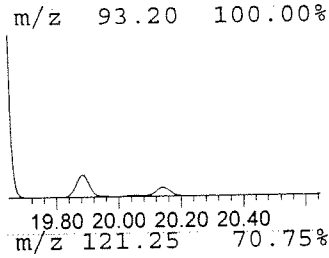
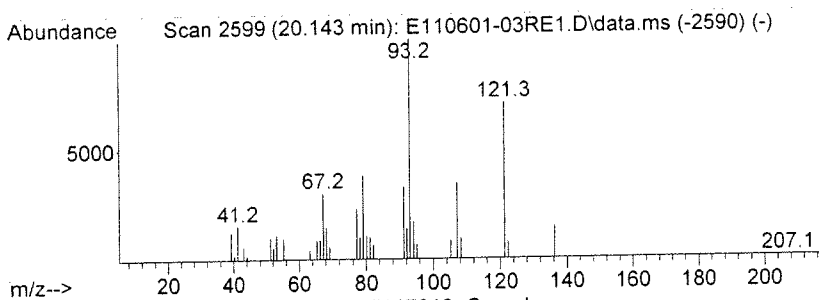
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Camphene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.143	4.57 $\mu\text{g}/\text{M3}$	247277	IS03 1,4-Dichlorobenzene-D4	22.033

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	94
2	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	87
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	80
4	.beta.-Pinene	136	C10H16	000127-91-3	80
5	Tricyclo[2.2.1.0 ^{2,6}]heptane, 1,7...	136	C10H16	000508-32-7	72



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

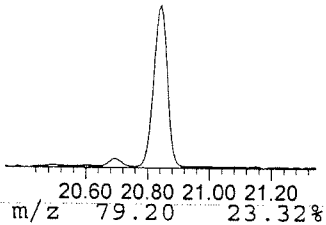
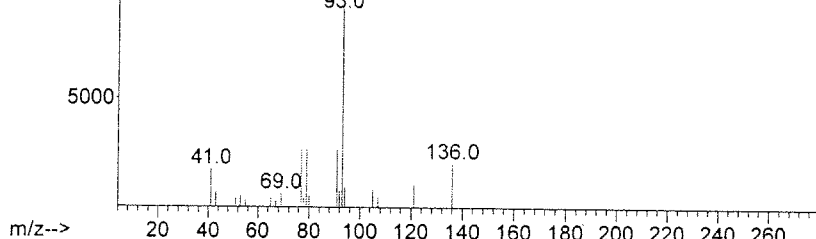
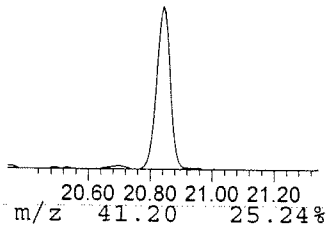
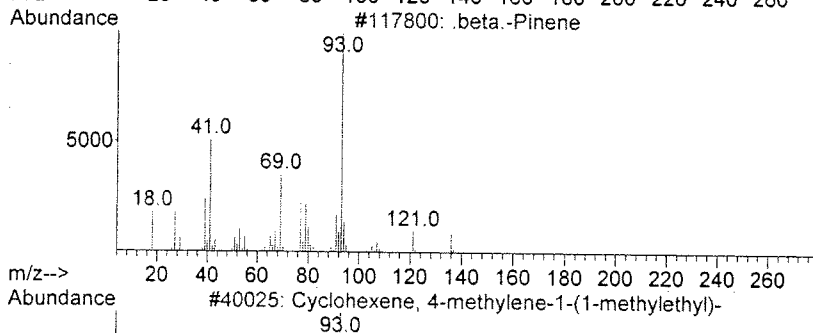
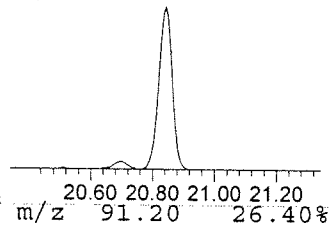
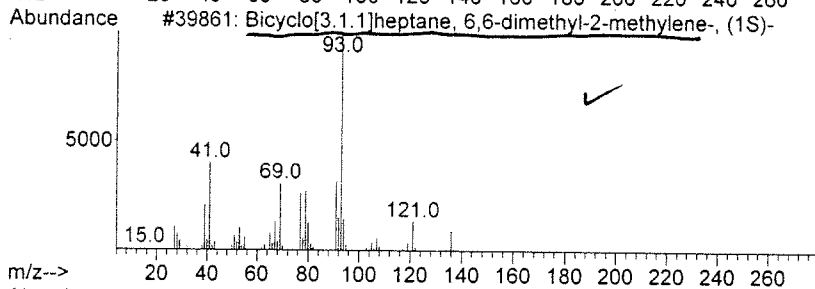
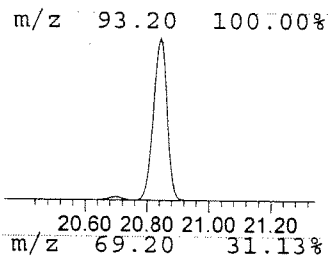
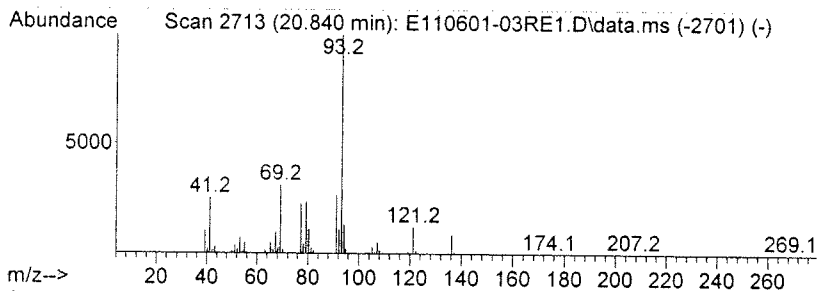
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.840	63.20 UG/M3	3420970	IS03 1,4-Dichlorobenzene-D4	22.033

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	97
2	.beta.-Pinene	136	C10H16	000127-91-3	94
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4	Tricyclo[2.2.1.0 ^{2,6}]heptane, 1,7...	136	C10H16	000508-32-7	91
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	87



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

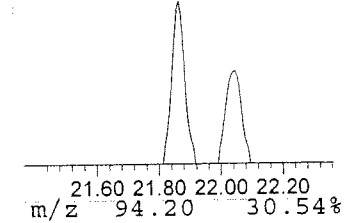
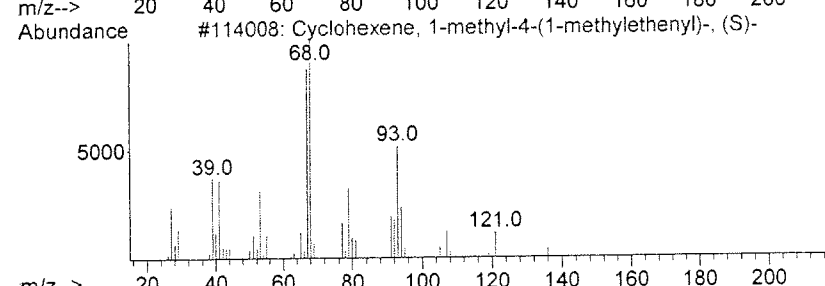
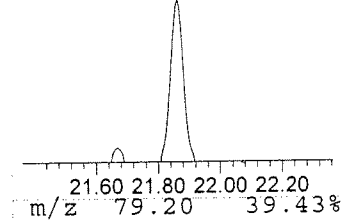
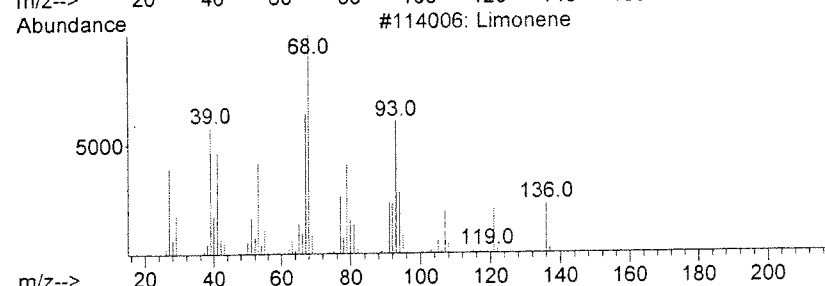
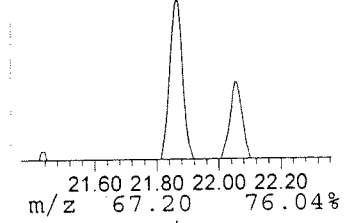
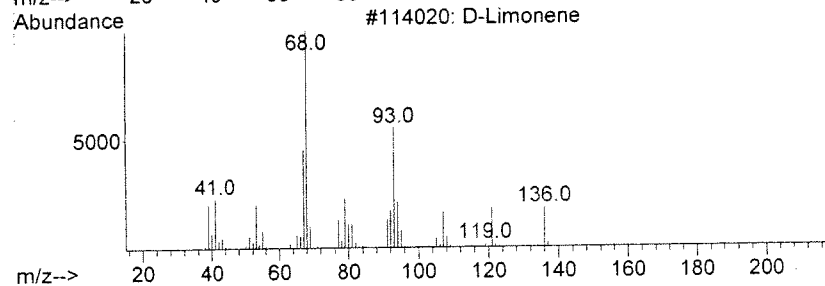
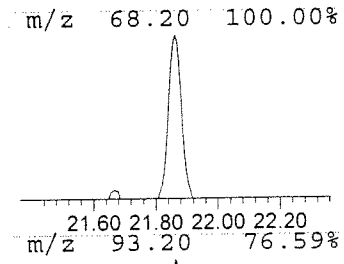
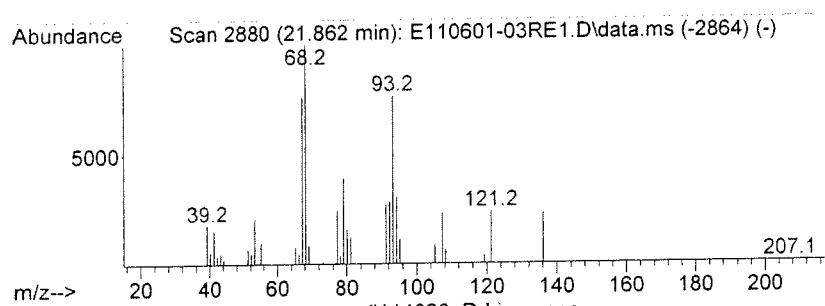
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 D-Limonene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.862	4.87 UG/M3 ²¹⁰	263407	IS03 1,4-Dichlorobenzene-D4	22.033

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	94
2		Limonene	136	C10H16	000138-86-3	94
3		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	90
4		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	007705-14-8	76
5		Cyclobutane, 1,3-diisopropenyl-,...	136	C10H16	1000152-89-6	59



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-03RE1.D
 Acq On : 7 Feb 2011 6:50 pm
 Operator : FW
 Sample : E110601-03RE1
 Misc : can5930,500cc,ip=13,fp=30
 ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	5.246	3.0	UG/M3	252417	1	12.814	1992560	23.8
Dimethyl sulfide	7.999	4.4	UG/M3	368756	1	12.814	1992560	23.8
1S-.alpha.-Pinene	19.611	124.5	UG/M3	10704800	2	17.800	2054720	23.9
Camphene	20.143	4.6	UG/M3	247277	3	22.033	1623800	30.0
Bicyclo[3.1.1]h...	20.840	63.2	UG/M3	3420970	3	22.033	1623800	30.0
D-Limonene	21.862	4.9	UG/M3	263407	3	22.033	1623800	30.0

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 08 08:01:50 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) IS01 Difluorobenzene	12.820	114	960653	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	754988	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	300975	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
2) 7001 Propene	4.433	41	50897	0.37 UG/M3#			1581 61K
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	183924	1.10 UG/M3			98
4) 7017 Freon 114 (Cl2F4E...	4.849	85	6312	0.05 UG/M3#			76
5) 7025 Chloromethane	4.959	50	54142	0.38 UG/M3			99
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	75808	0.56 UG/M3			97
12) 7011 Freon 113 (Cl3F3E...	7.810	101	21143	0.24 UG/M3			99
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.859	43	137820	0.91 UG/M3			10x68
15) 7024 Isopropanol	8.115	45	34452	0.22 UG/M3			15x96 61K
16) 7052 Carbon Disulfide	8.244	76	4968	0.02 UG/M3#			75
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	8.642	49	8346	0.10 UG/M3			96
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	9.627	57	9527	0.06 UG/M3#			74
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	10.801	72	7422	0.16 UG/M3#			79
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	11.297	83	3971	0.03 UG/M3#			17
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	11.804	56	3173	0.02 UG/M3#			13
33) 7080 Carbon Tetrachloride	11.963	117	21556	0.22 UG/M3			93
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.275	78	69662	0.23 UG/M3			100
36) 7036 Isooctane (2,2,4-...	12.392	57	5395	0.02 UG/M3#			25
37) 7038 Heptane	12.655	43	5818	0.05 UG/M3#			38
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

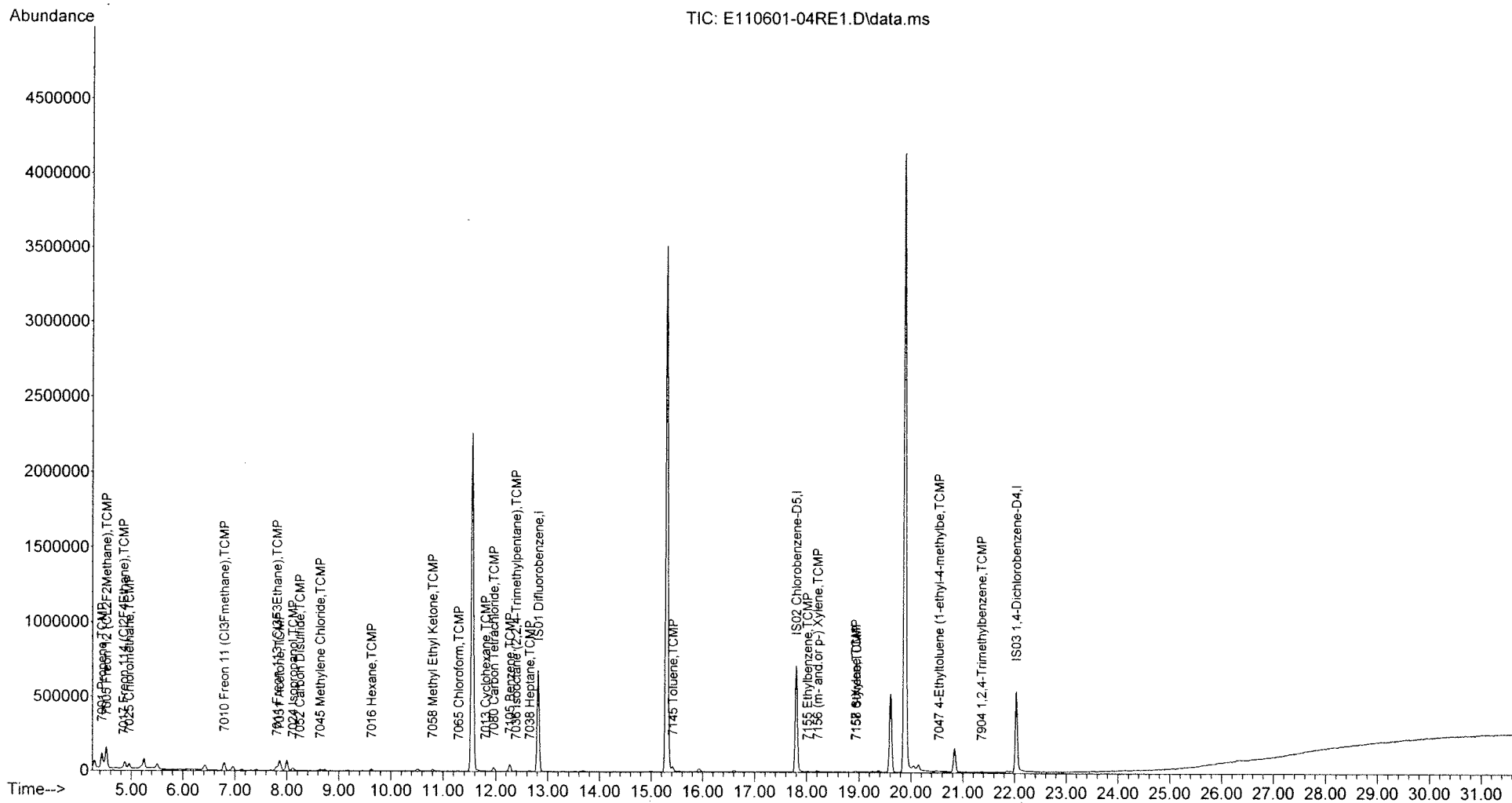
Quant Time: Feb 08 08:01:50 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration

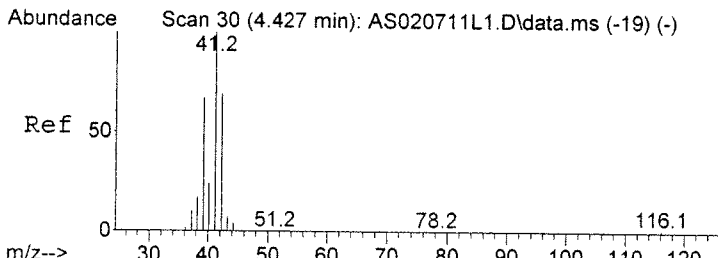
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.420	91	33304	0.12	UG/M3	48 <i>2589 blf</i>
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	18.014	91	6854	0.02	UG/M3#	48
55) 7156 (m- and/or p-) Xy...	18.210	91	9770	0.04	UG/M3#	76
56) 7157 o-Xylene	18.938	91	4206	0.02	UG/M3#	28
57) 7158 Styrene	18.950	104	3702	0.02	UG/M3#	25
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	20.541	105	3484	0.01	UG/M3#	40
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	21.360	105	4004	0.02	UG/M3#	28
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

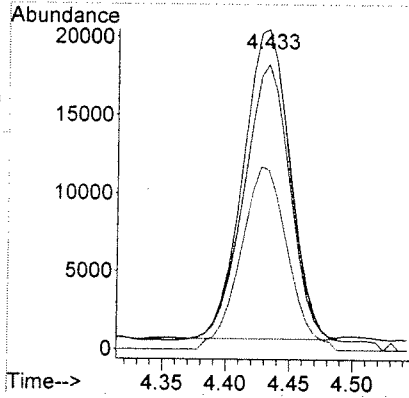
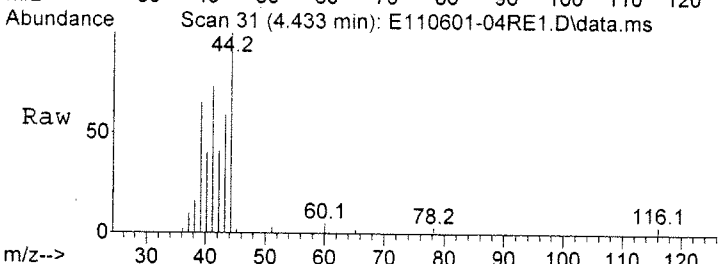
Quant Time: Feb 08 08:01:50 2011
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 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration



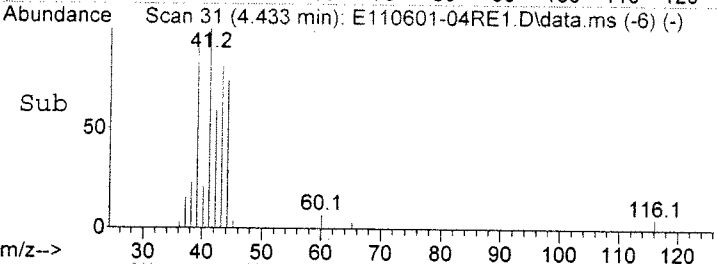


#2
 7001 Propene
 Concen: 0.37 UG/M3
 RT: 4.433 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Ratio	Lower	Upper
41	100		
39	87.9	47.3	87.3#
42	59.0	49.0	89.0

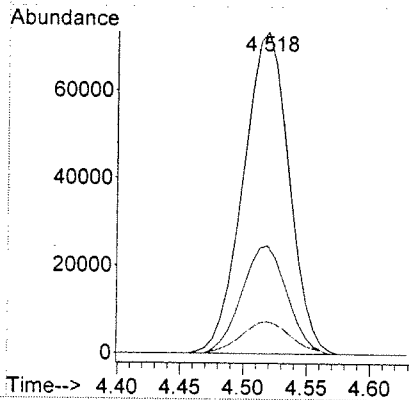
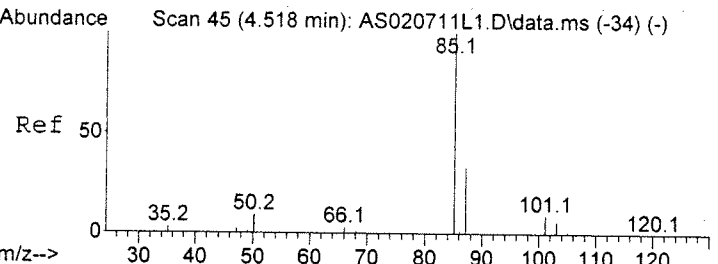


LS x 6K

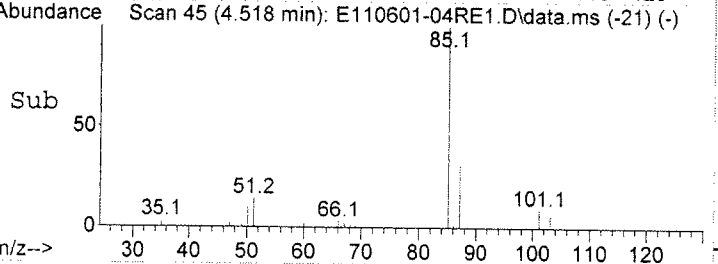
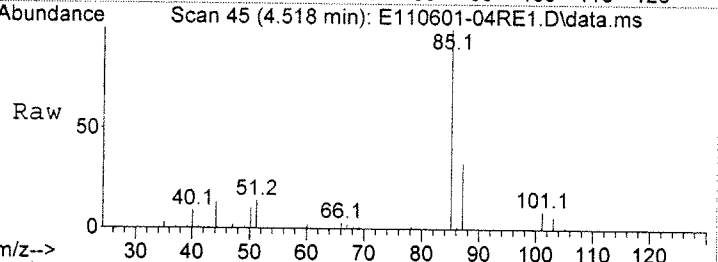


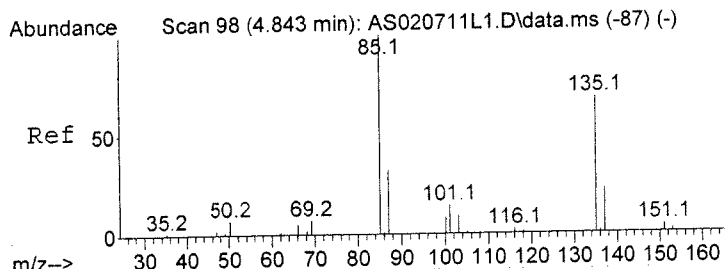
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.10 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	12.7	52.7
50	10.7	0.0	29.1



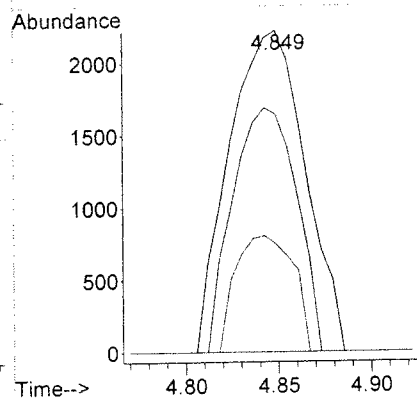
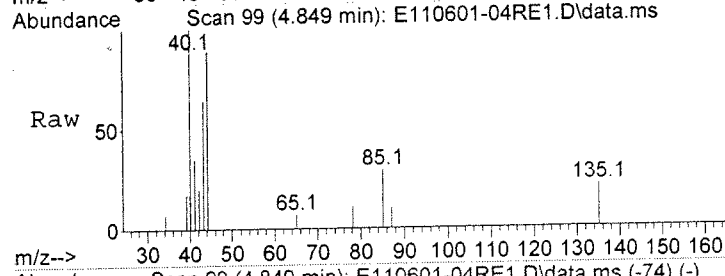
OK



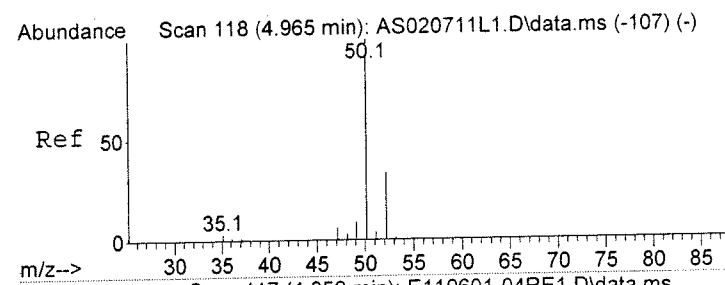
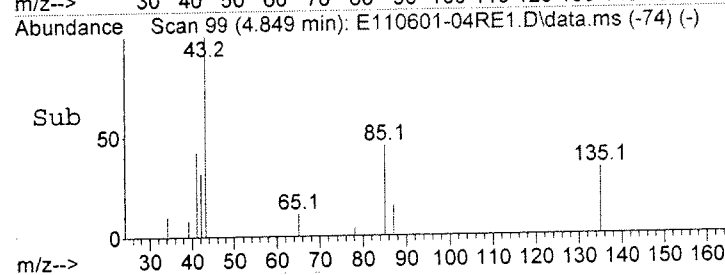


#4
 7017 Freon 114 (C12F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.849 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
85	100		
135	64.1	50.8	90.8
87	0.0	12.6	52.6#

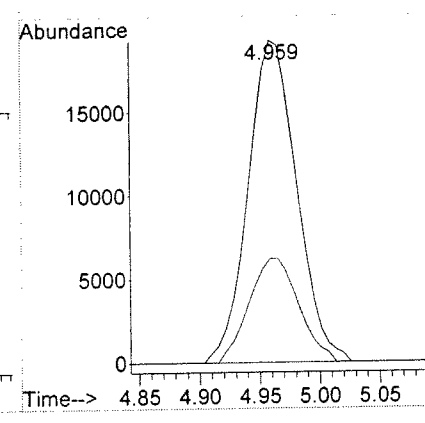
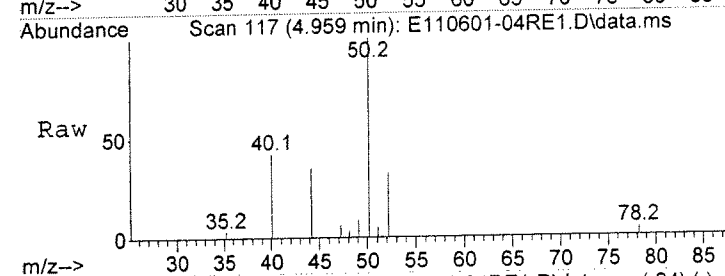


CMDL

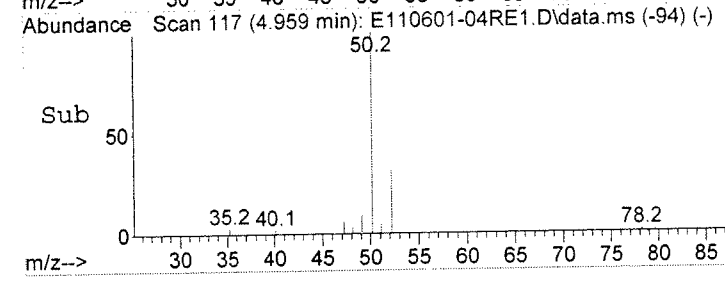


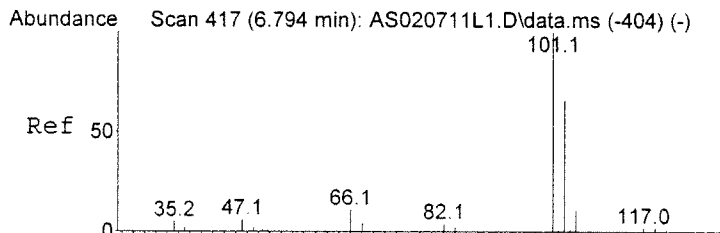
#5
 7025 Chloromethane
 Concen: 0.38 UG/M3
 RT: 4.959 min Scan# 117
 Delta R.T. -0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.9	13.2	53.2



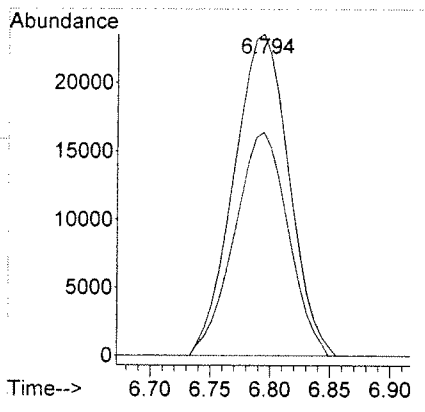
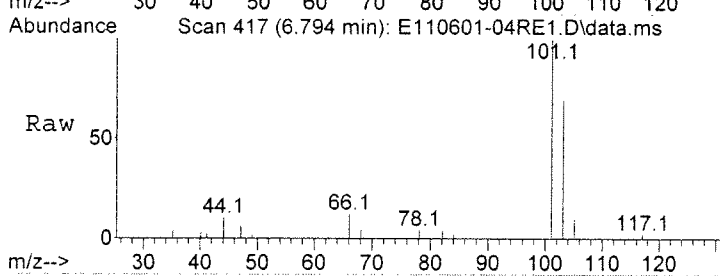
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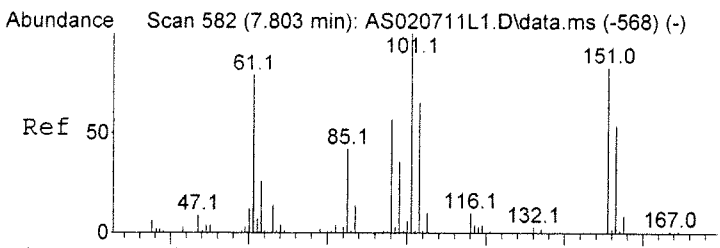
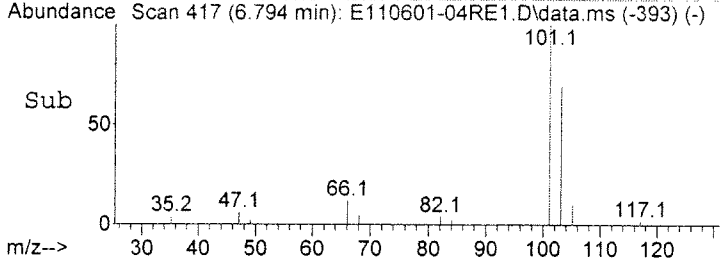


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.56 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
101	100		
103	67.7	45.1	85.1

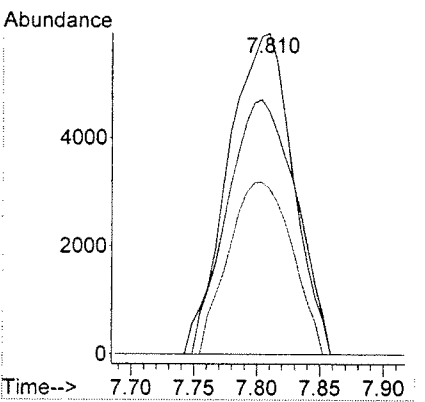
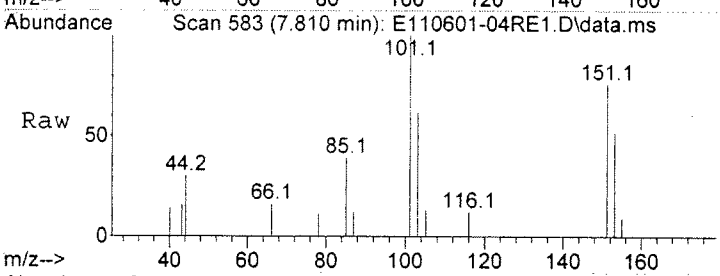


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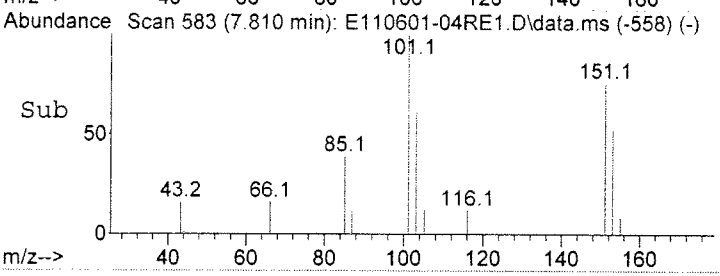


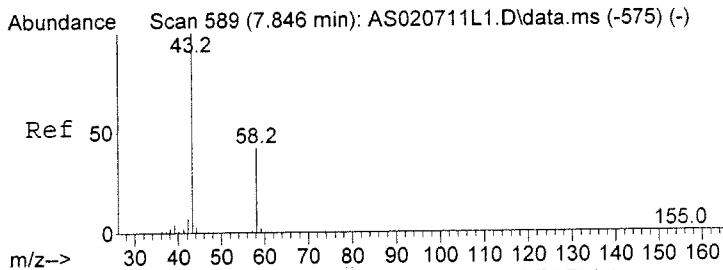
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.24 UG/M3
 RT: 7.810 min Scan# 583
 Delta R.T. 0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
101	100		
151	84.3	64.5	104.5
153	52.9	34.2	74.2



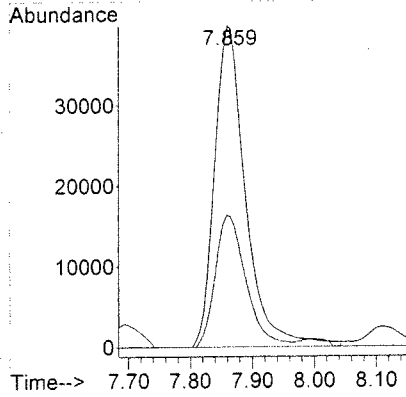
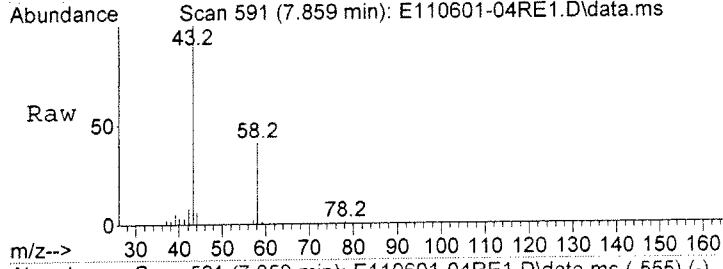
OK



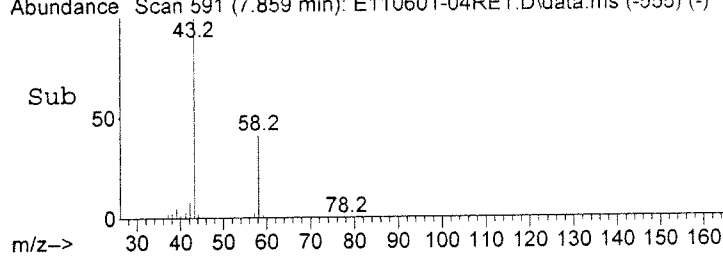


#14
 7051 Acetone
 Concen: 0.91 UG/M3
 RT: 7.859 min Scan# 591
 Delta R.T. 0.018 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion: 43 Resp: 137820
 Ion Ratio Lower Upper
 43 100
 58 40.4 21.6 61.6

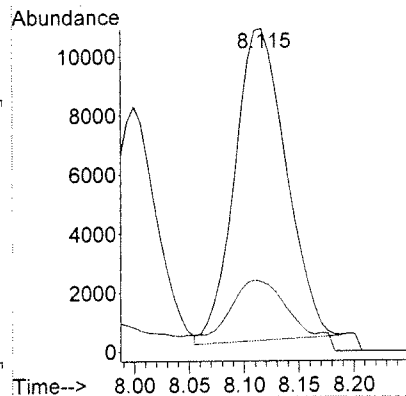
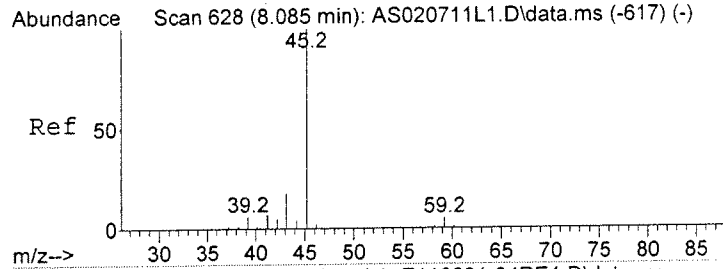


<10x blk

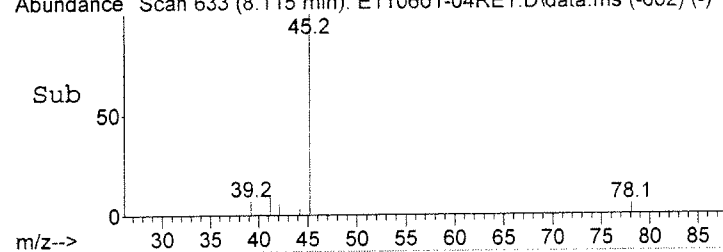
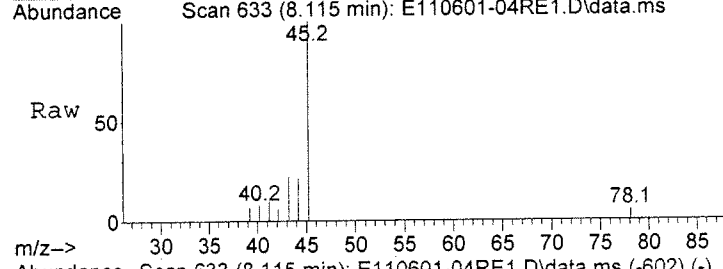


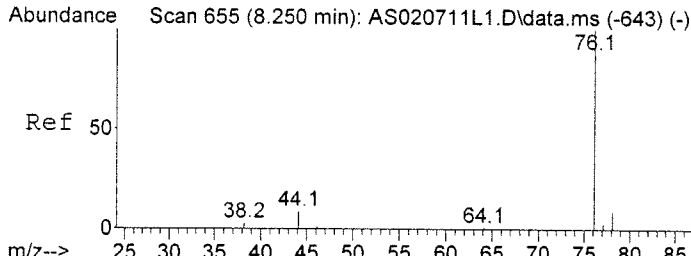
#15
 7024 Isopropanol
 Concen: 0.22 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion: 45 Resp: 34452
 Ion Ratio Lower Upper
 45 100
 43 16.7 0.0 37.4



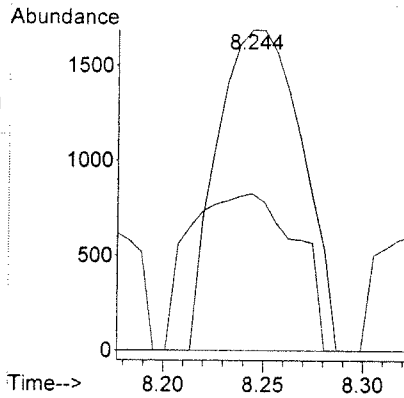
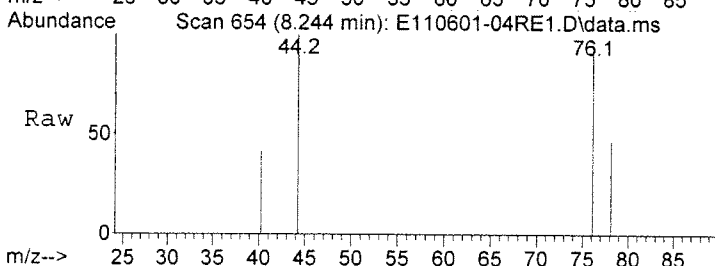
<5x blk



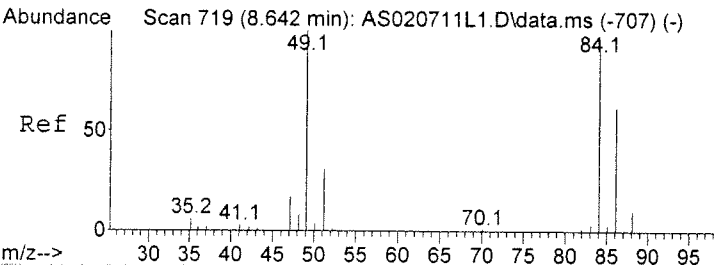
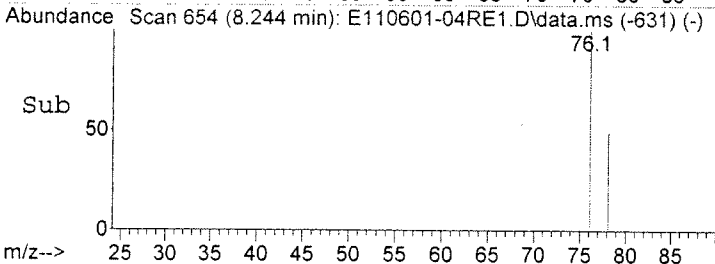


#16
 7052 Carbon Disulfide
 Concen: 0.02 UG/M3
 RT: 8.244 min Scan# 654
 Delta R.T. -0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
76	4968	100	100
78	0.0	0.0	29.2

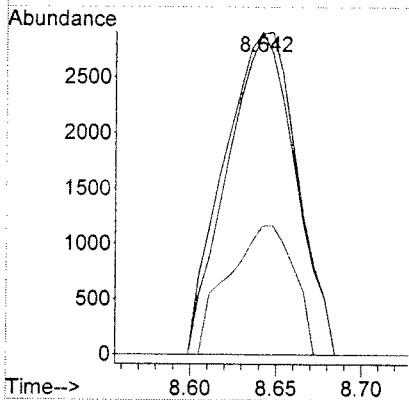
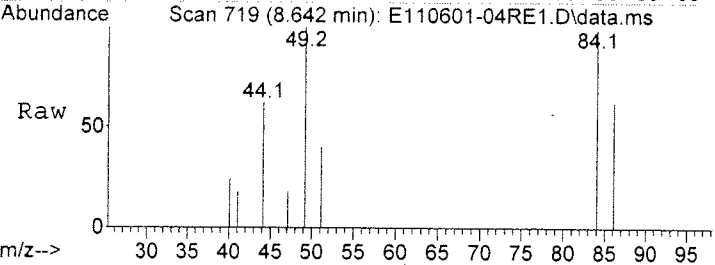


CMDL

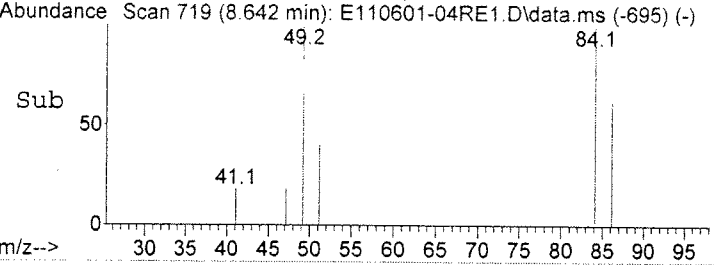


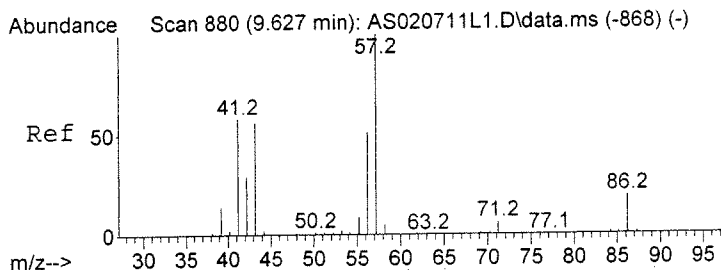
#18
 7045 Methylene Chloride
 Concen: 0.10 UG/M3
 RT: 8.642 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
49	8346	100	100
84	98.1	75.6	115.6
51	37.2	11.5	51.5



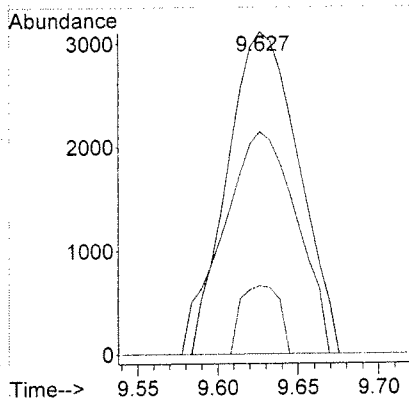
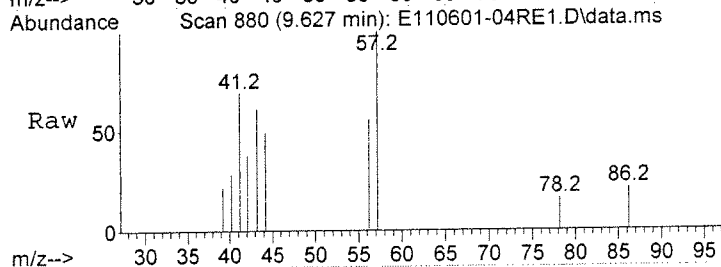
OK



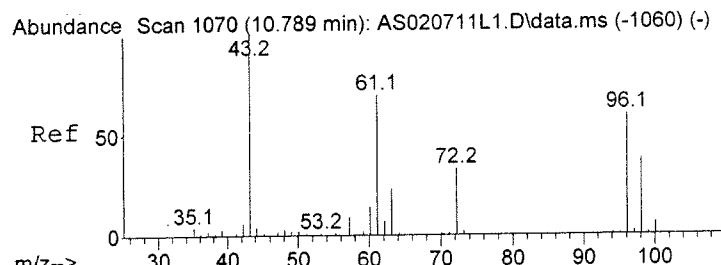
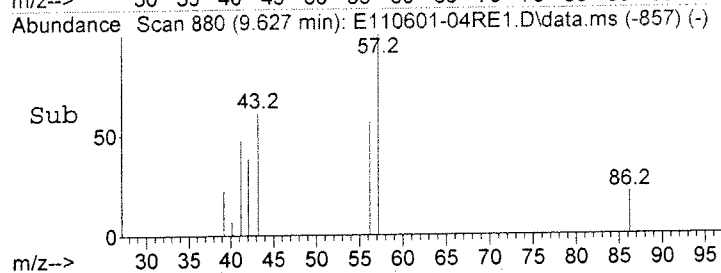


#22
 7016 Hexane
 Concen: 0.06 UG/M3
 RT: 9.627 min Scan# 880
 Delta R.T. -0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
57	100		
41	71.8	36.5	76.5
86	0.0	0.0	39.4

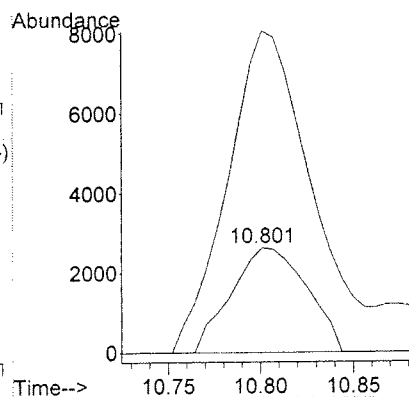
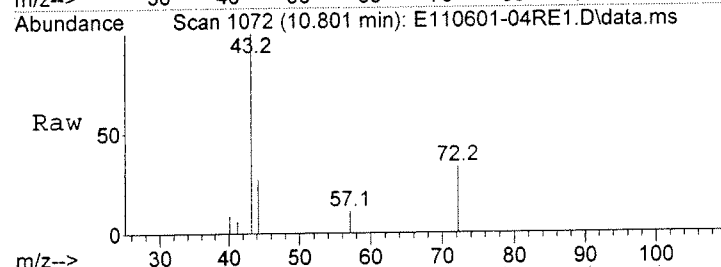


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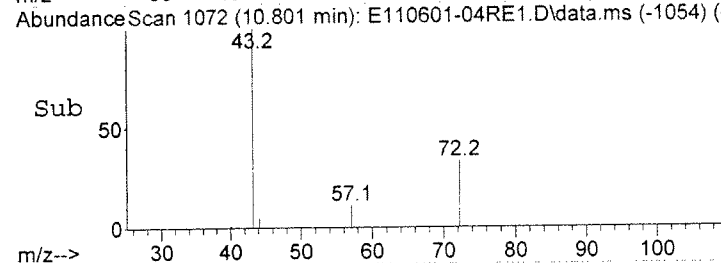


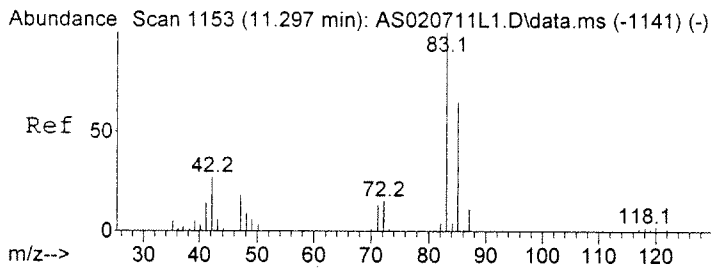
#25
 7058 Methyl Ethyl Ketone
 Concen: 0.16 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. 0.012 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
72	100		
43	336.9	275.8	315.8#



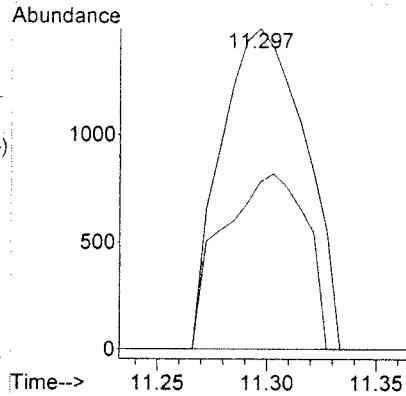
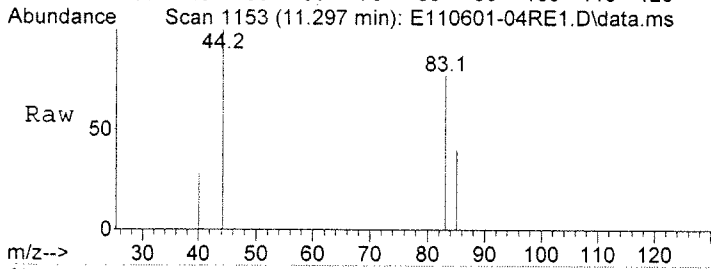
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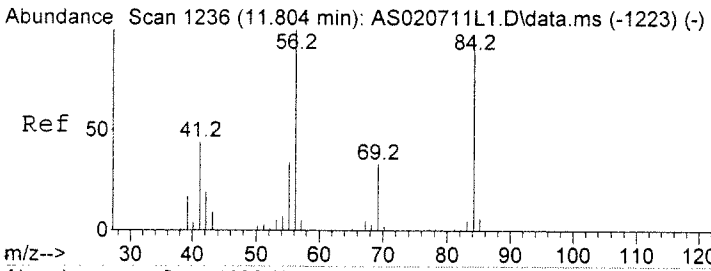
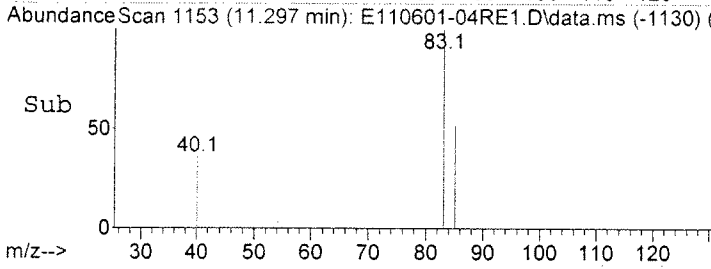


#28
 7065 Chloroform
 Concen: 0.03 UG/M3
 RT: 11.297 min Scan# 1153
 Delta R.T. -0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion: 83 Resp: 3971
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.2 85.2#

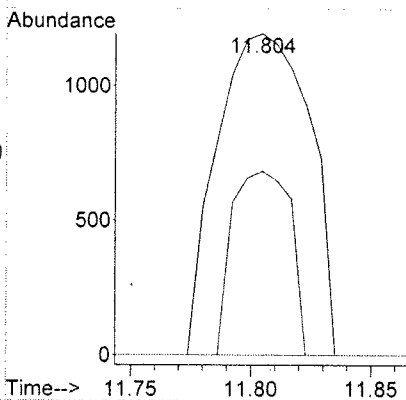
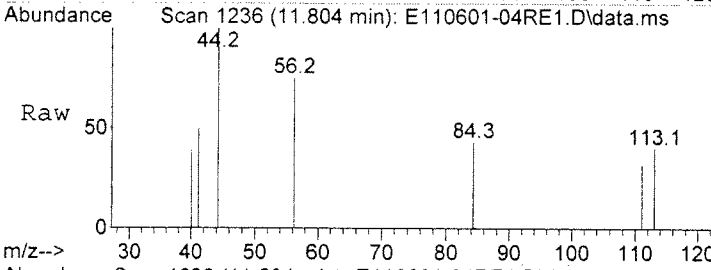


CMPL

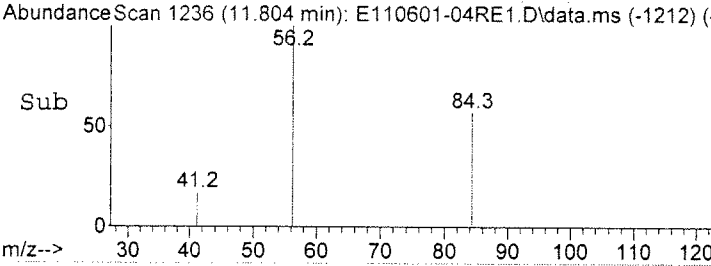


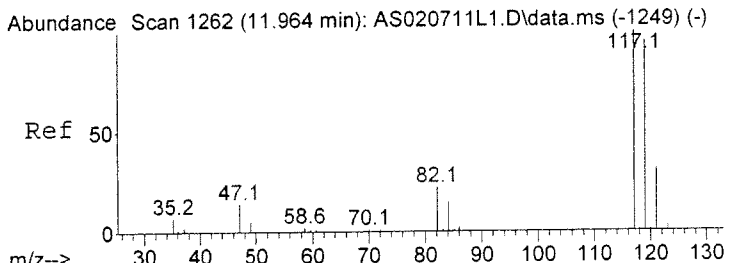
#32
 7013 Cyclohexane
 Concen: 0.02 UG/M3
 RT: 11.804 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion: 56 Resp: 3173
 Ion Ratio Lower Upper
 56 100
 84 0.0 72.6 112.6#
 69 0.0 13.2 53.2#



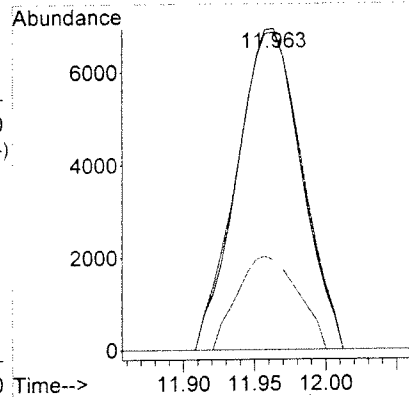
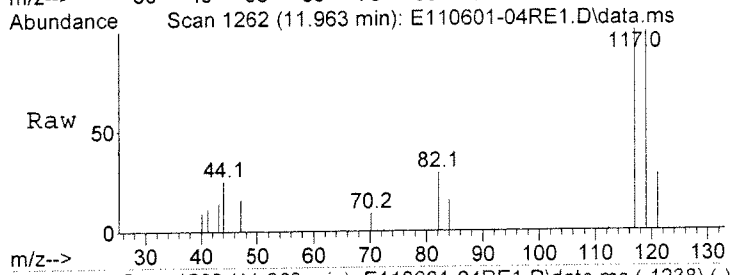
CMPL



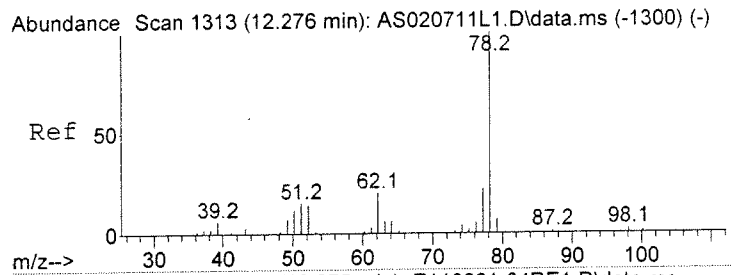
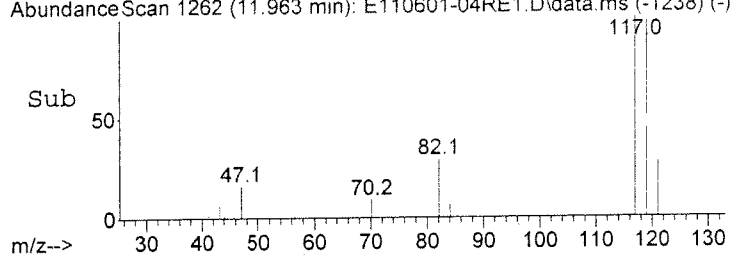


#33
 7080 Carbon Tetrachloride
 Concen: 0.22 UG/M3
 RT: 11.963 min Scan# 1262
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
117	100		
119	102.6	76.2	116.2
121	27.6	11.2	51.2

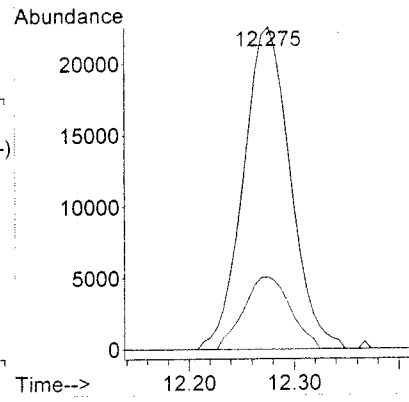
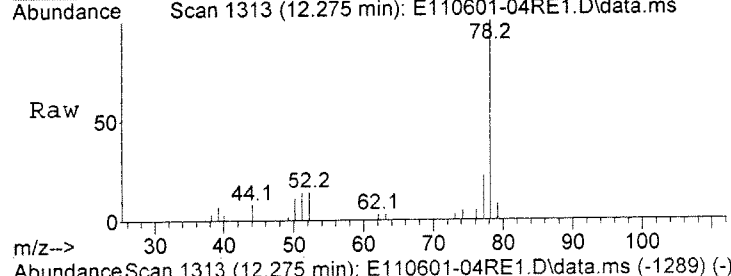


OK

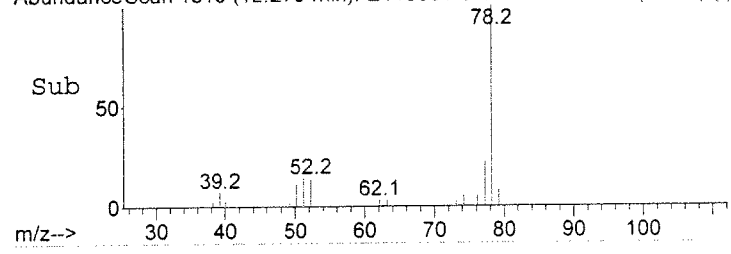


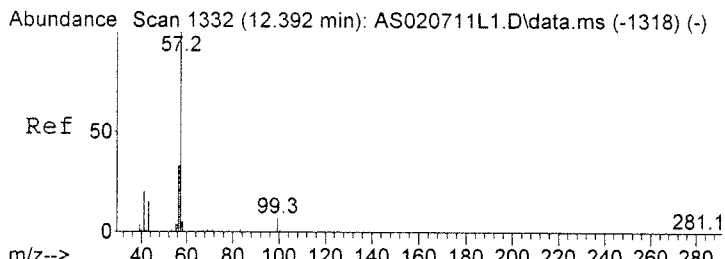
#35
 7105 Benzene
 Concen: 0.23 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
78	100		
77	22.4	2.6	42.6



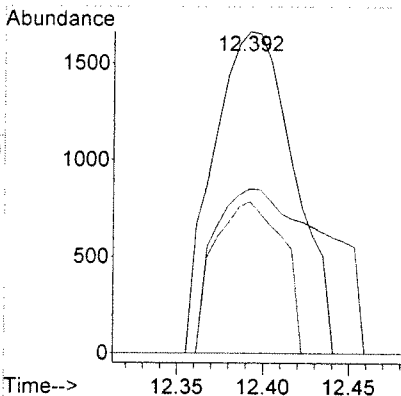
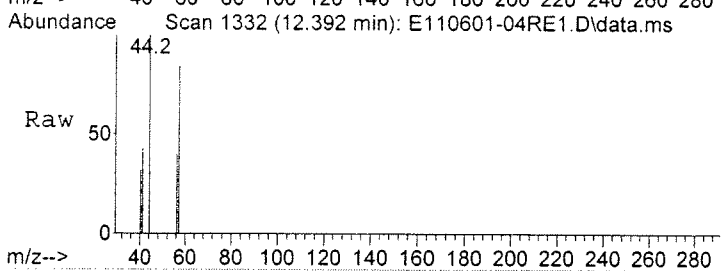
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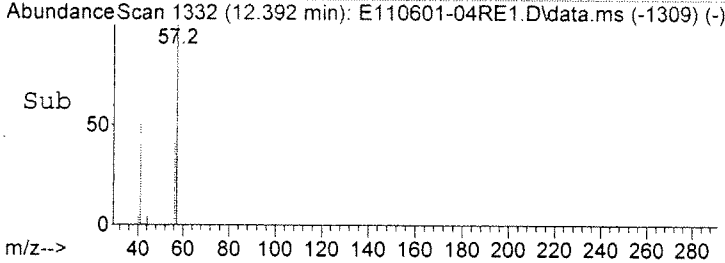


#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.02 UG/M3
 RT: 12.392 min Scan# 1332
 Delta R.T. -0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
57	100		
41	66.9	0.1	40.1#
56	0.0	13.6	53.6#

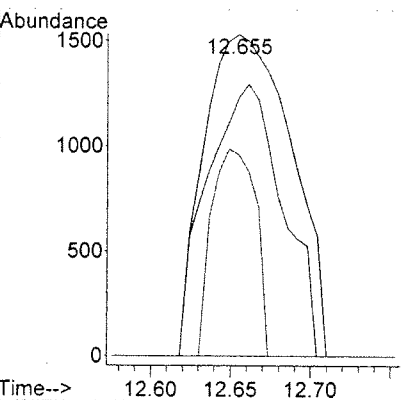
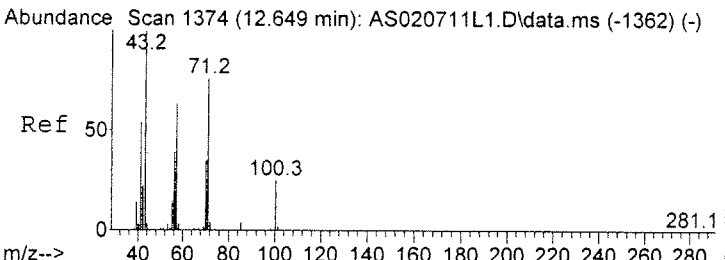


CMDC

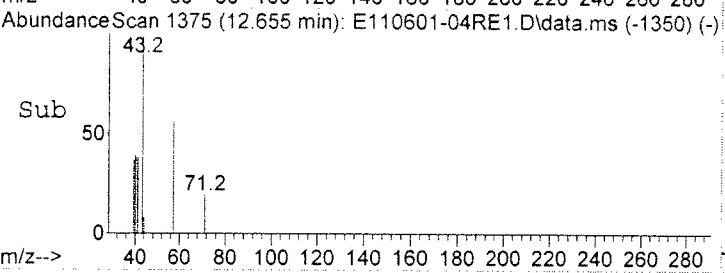
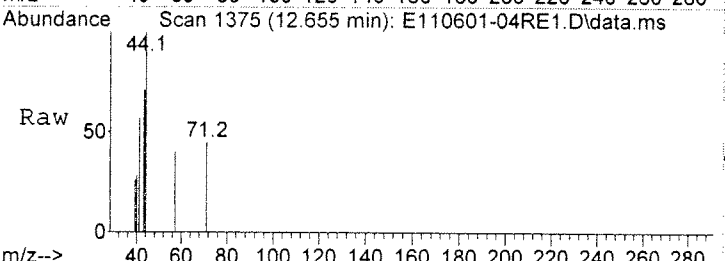


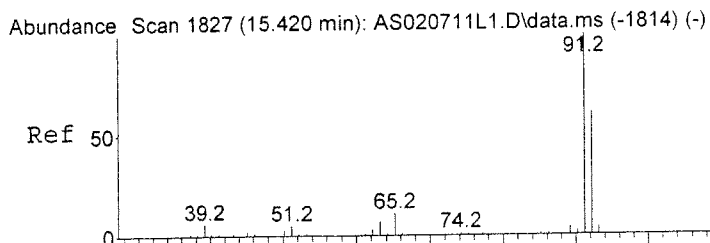
#37
 7038 Heptane
 Concen: 0.05 UG/M3
 RT: 12.655 min Scan# 1375
 Delta R.T. 0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
43	100		
41	69.3	32.9	72.9
71	0.0	56.7	96.7#

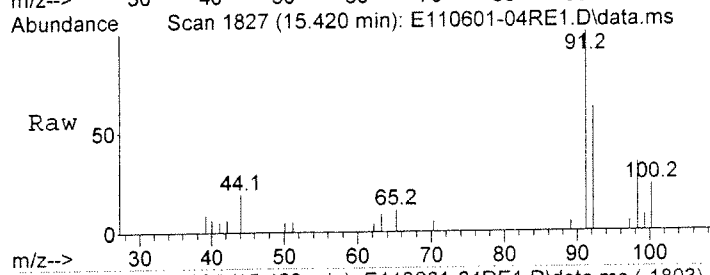


CMDC

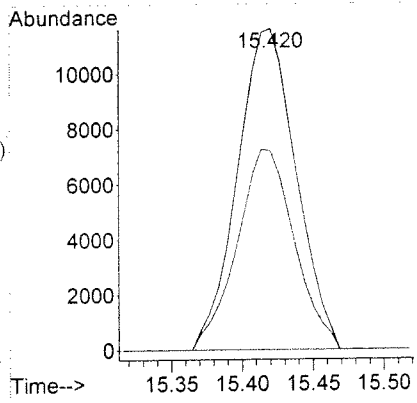
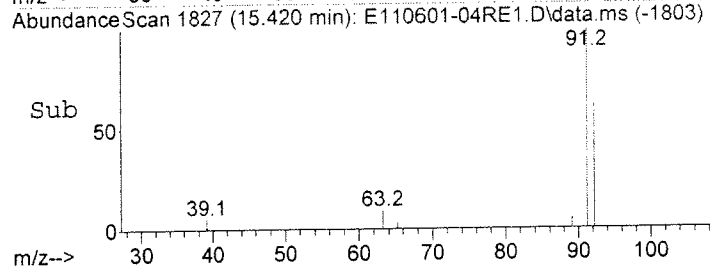




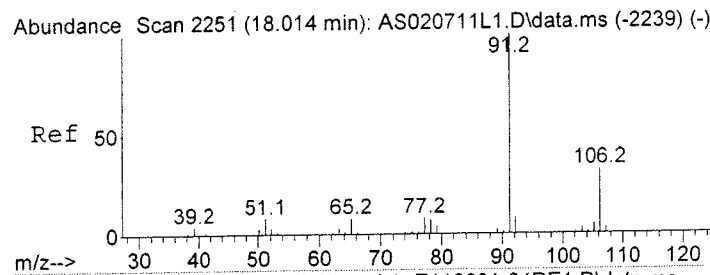
#46
 7145 Toluene
 Concen: 0.12 UG/M3
 RT: 15.420 min Scan# 1827
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm



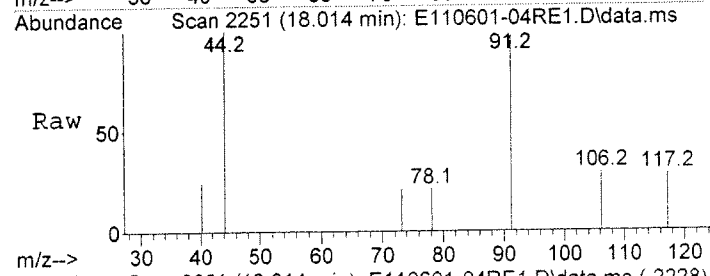
Tgt Ion: 91 Resp: 33304
 Ion Ratio Lower Upper
 91 100
 92 61.1 41.6 81.6



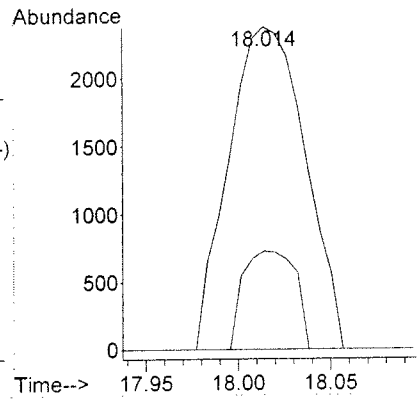
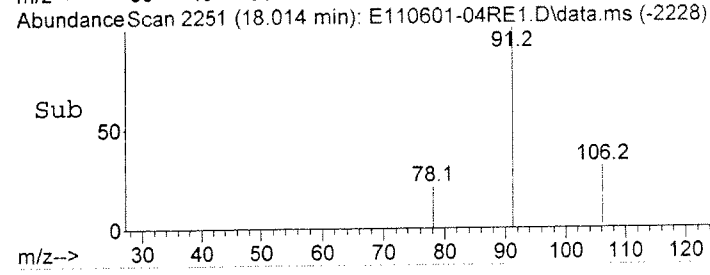
CAA
25x blk



#54
 7155 Ethylbenzene
 Concen: 0.02 UG/M3
 RT: 18.014 min Scan# 2251
 Delta R.T. -0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

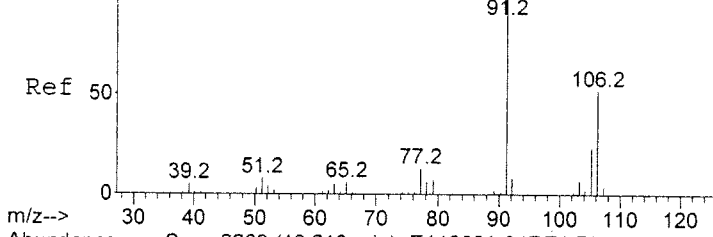


Tgt Ion: 91 Resp: 6854
 Ion Ratio Lower Upper
 91 100
 106 0.0 13.9 53.9#
 51 0.0 0.0 28.0



CMDL

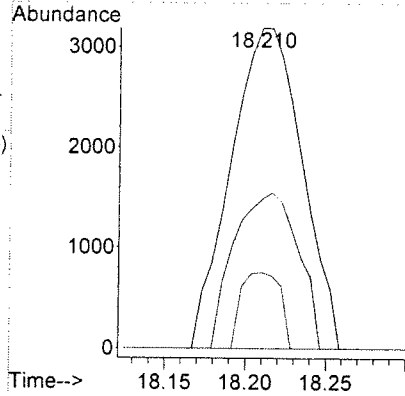
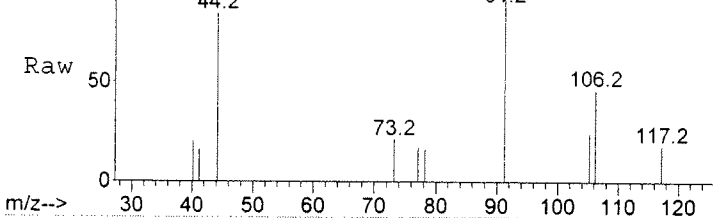
Abundance Scan 2284 (18.216 min): AS020711L1.D\data.ms (-2271) (-)



#55
7156 (m- and/or p-) Xylene
Concen: 0.04 UG/M3
RT: 18.210 min Scan# 2283
Delta R.T. -0.006 min
Lab File: E110601-04RE1.D
Acq: 7 Feb 2011 7:40 pm

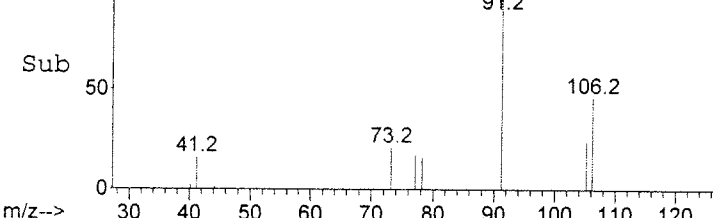
Tgt Ion	Resp	Lower	Upper
91	100		
106	43.6	33.6	73.6
105	0.0	3.5	43.5#

Abundance Scan 2283 (18.210 min): E110601-04RE1.D\data.ms

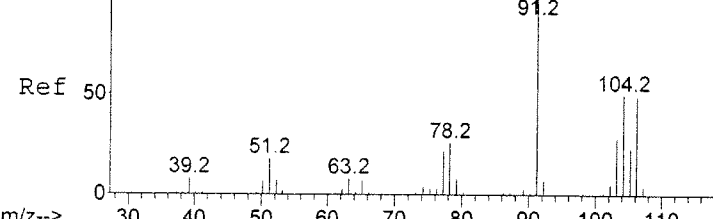


MDL

Abundance Scan 2283 (18.210 min): E110601-04RE1.D\data.ms (-2260) (-)



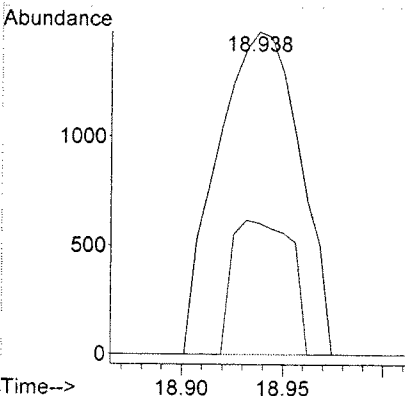
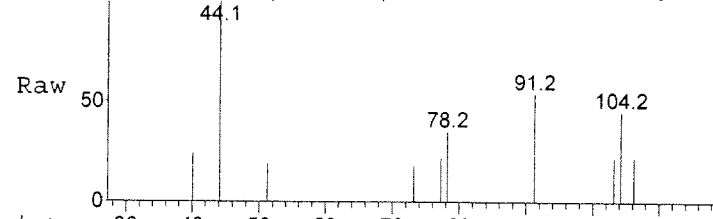
Abundance Scan 2402 (18.938 min): AS020711L1.D\data.ms (-2389) (-)



#56
7157 o-Xylene
Concen: 0.02 UG/M3
RT: 18.938 min Scan# 2402
Delta R.T. -0.000 min
Lab File: E110601-04RE1.D
Acq: 7 Feb 2011 7:40 pm

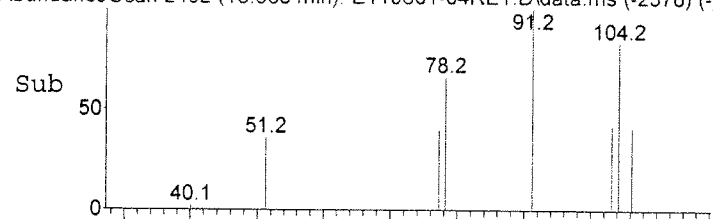
Tgt Ion	Resp	Lower	Upper
91	100		
106	0.0	29.7	69.7#

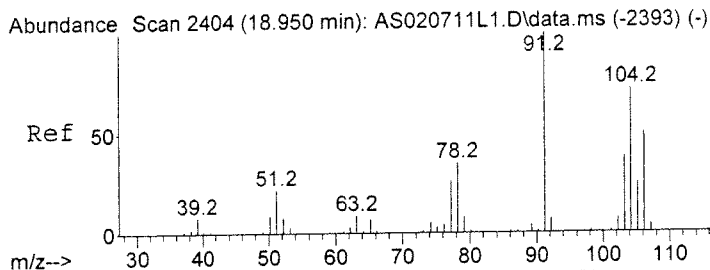
Abundance Scan 2402 (18.938 min): E110601-04RE1.D\data.ms



MDL

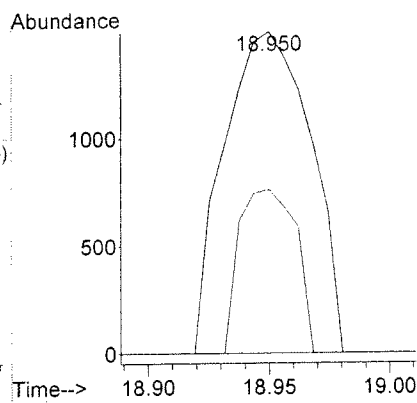
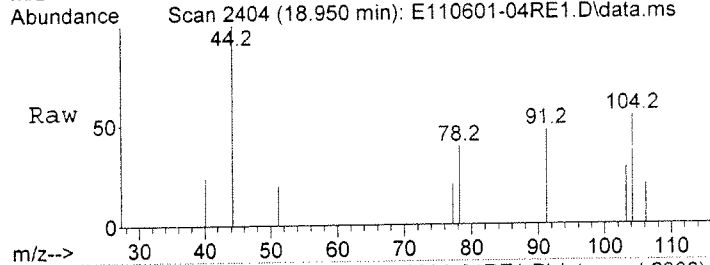
Abundance Scan 2402 (18.938 min): E110601-04RE1.D\data.ms (-2378) (-)



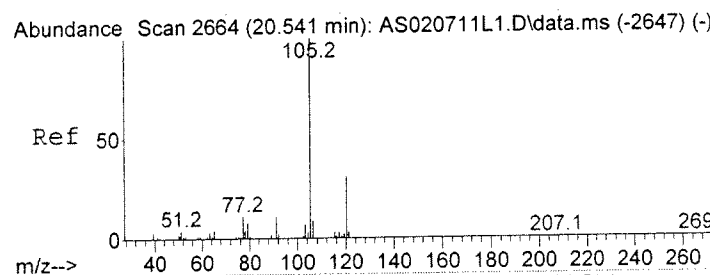
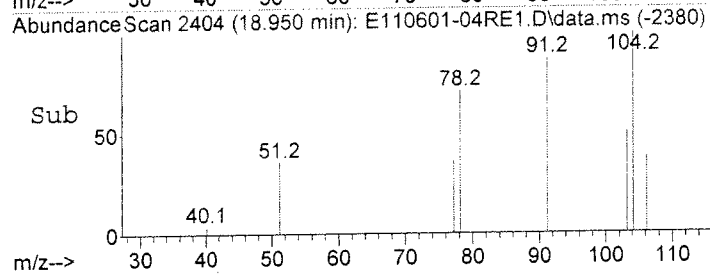


#57
 7158 Styrene
 Concen: 0.02 UG/M3
 RT: 18.950 min Scan# 2404
 Delta R.T. -0.000 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
104	100		
103	0.0	33.5	73.5#

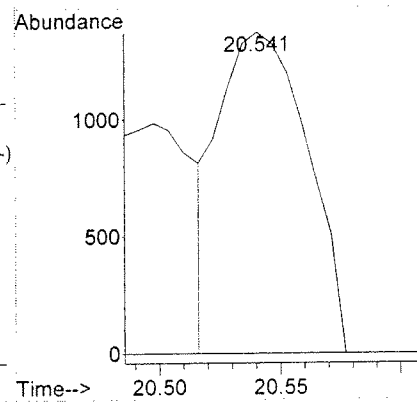
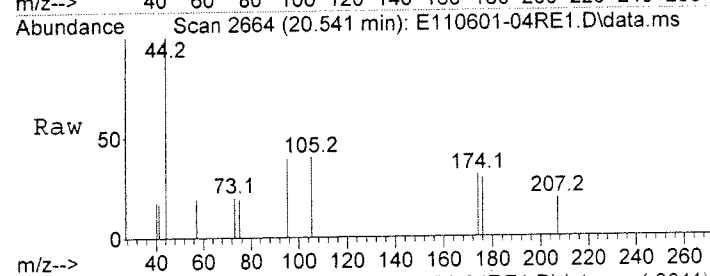


CMDE

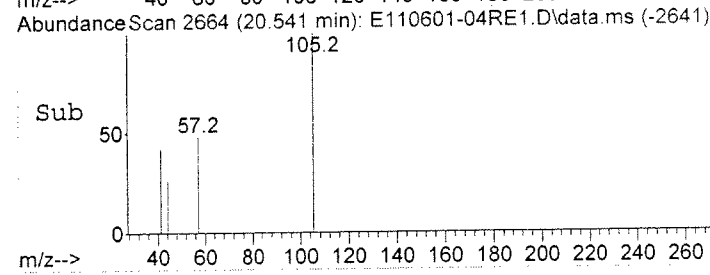


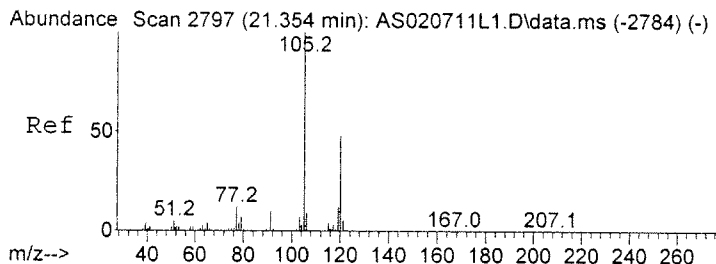
#62
 7047 4-Ethyltoluene (1-ethyl-4-methylbe
 Concen: 0.01 UG/M3
 RT: 20.541 min Scan# 2664
 Delta R.T. -0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Resp	Lower	Upper
105	100		
120	0.0	15.2	55.2#



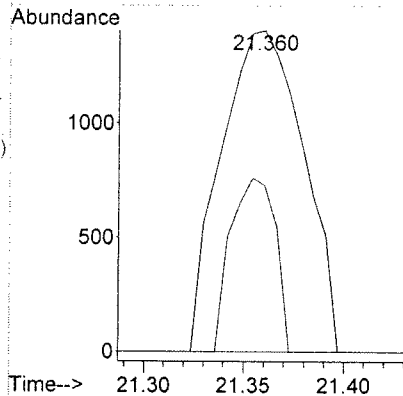
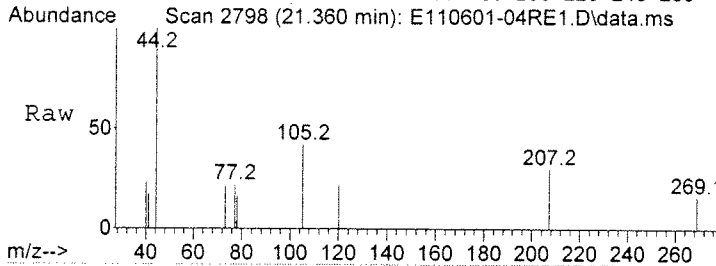
CMDE



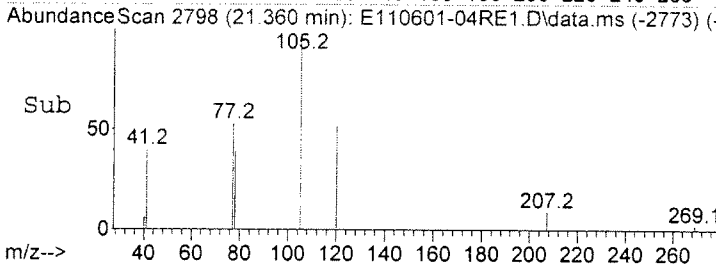


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.02 UG/M3
 RT: 21.360 min Scan# 2798
 Delta R.T. 0.006 min
 Lab File: E110601-04RE1.D
 Acq: 7 Feb 2011 7:40 pm

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	28.6	68.6#



CMDL



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.02
 Stop Thrs : 0

Filtering: 5
 Min Area: 3000 Area counts
 Max Peaks: 3
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020711.M
 Title : TO15

Signal : TIC: E110601-04RE1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	20	rVB	46690	115076	0.94%	0.288%
2	4.433	20	31	38	rVV	100632	295864	2.42%	0.742%
3	4.518	38	45	57	rVB2	142896	404949	3.31%	1.015%
4	4.879	87	104	111	rBV2	41695	127756	1.04%	0.320%
5	5.246	145	164	177	rBV	63659	222608	1.82%	0.558%
6	5.503	197	206	217	rVB2	33960	110704	0.90%	0.277%
7	6.421	345	356	368	rVB	31801	110624	0.90%	0.277%
8	6.794	407	417	433	rVB	51528	164641	1.34%	0.413%
9	7.859	572	591	605	rBV2	66402	304653	2.49%	0.764%
10	7.999	605	614	624	rVB	67655	198462	1.62%	0.497%
11	11.554	1176	1195	1221	rBV	2262263	6942814	56.69%	17.403%
12	12.275	1296	1313	1326	rBV	45067	135312	1.10%	0.339%
13	12.814	1388	1401	1420	rBV	678072	1978983	16.16%	4.960%
14	15.304	1793	1808	1822	rBV2	3515013	10545113	86.10%	26.432%
15	17.800	2205	2216	2239	rBV	712566	2086171	17.03%	5.229%
16	19.611	2495	2512	2524	rBV	524744	1605183	13.11%	4.023%
17	19.886	2538	2557	2576	rBV	4144587	12246973	100.00%	30.698%
18	20.143	2592	2599	2616	rVB5	40355	130646	1.07%	0.327%
19	20.840	2700	2713	2725	rVB	160740	495920	4.05%	1.243%
20	22.033	2897	2908	2935	rBV	539297	1672795	13.66%	4.193%

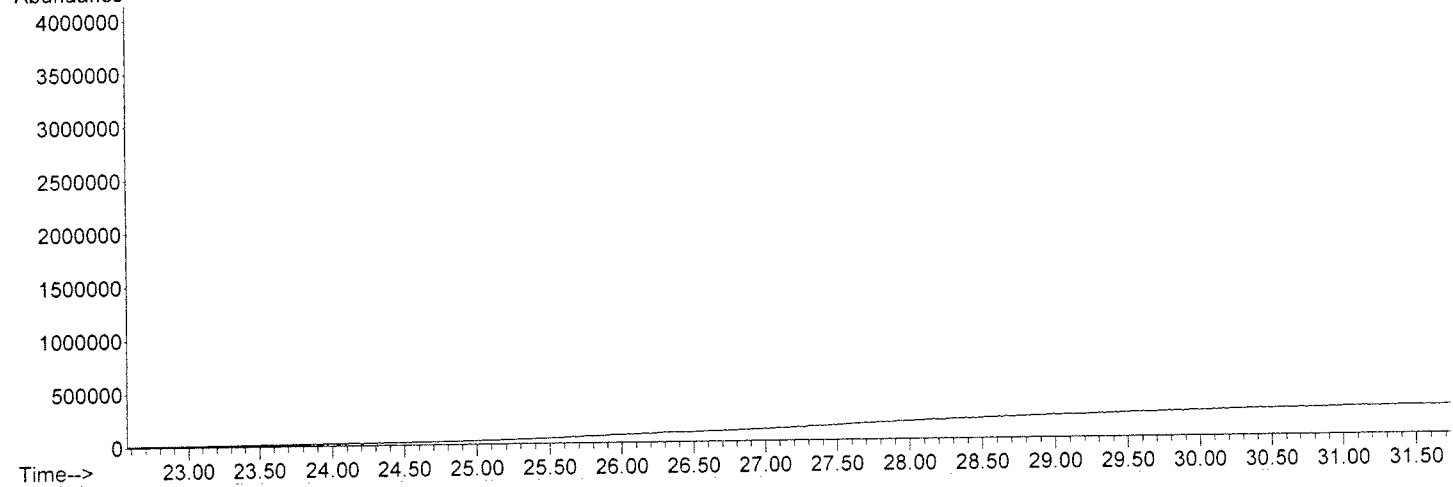
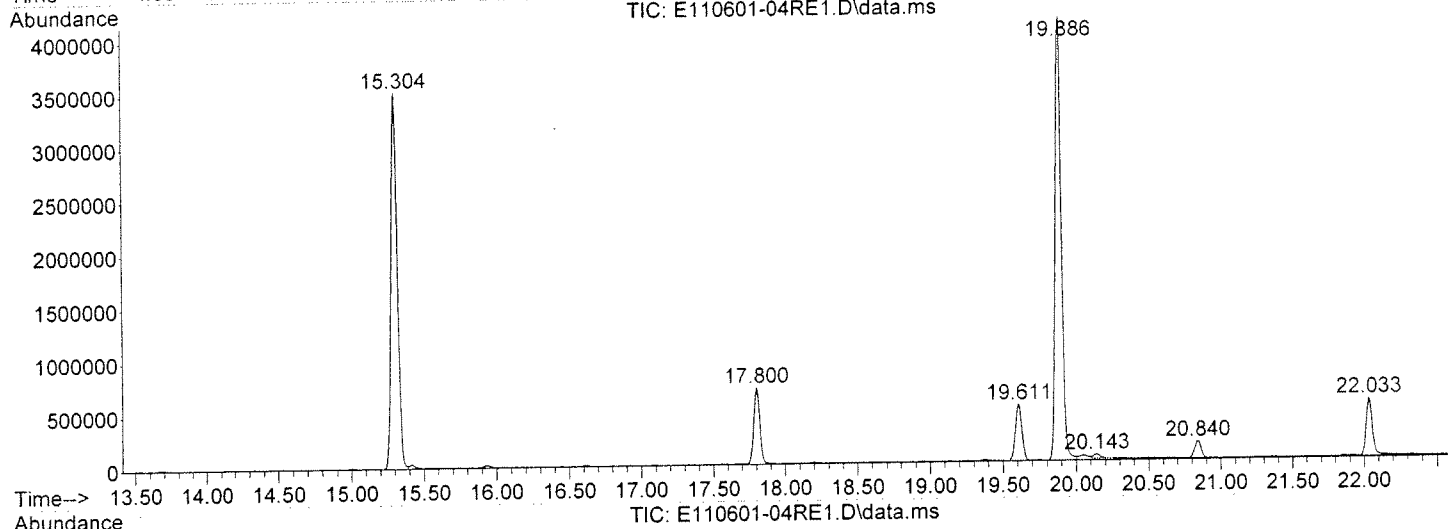
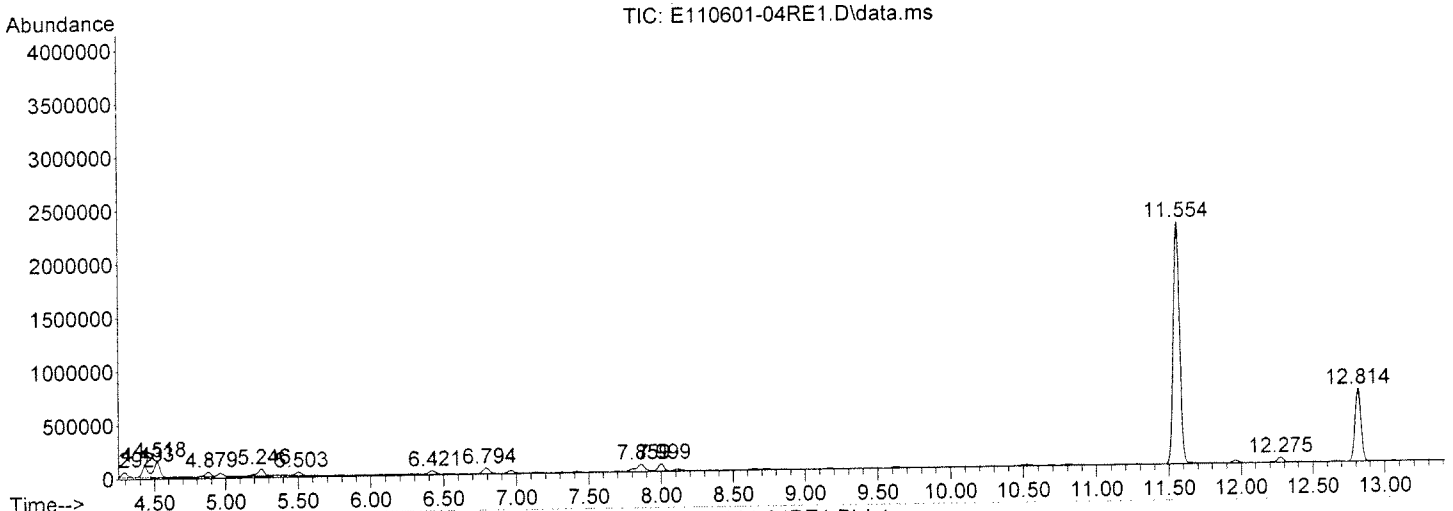
Sum of corrected areas: 39895247

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020711\
Data File : E110601-04RE1.D
Acq On : 7 Feb 2011 7:40 pm
Operator : FW
Sample : E110601-04RE1
Misc : can2783,500cc,ip=13,fp=30
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

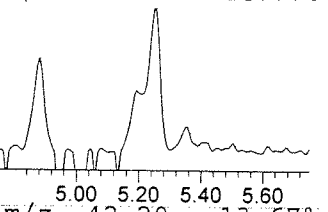
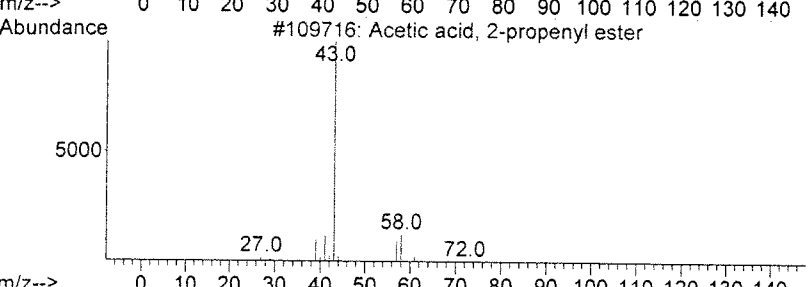
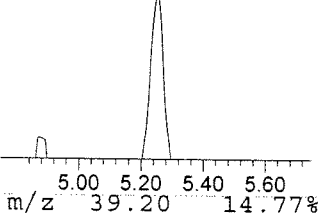
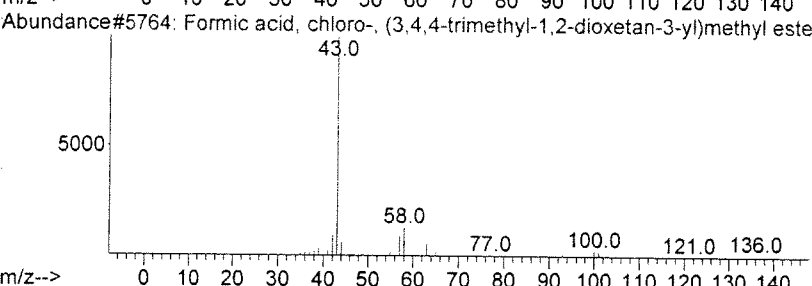
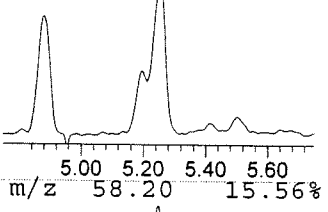
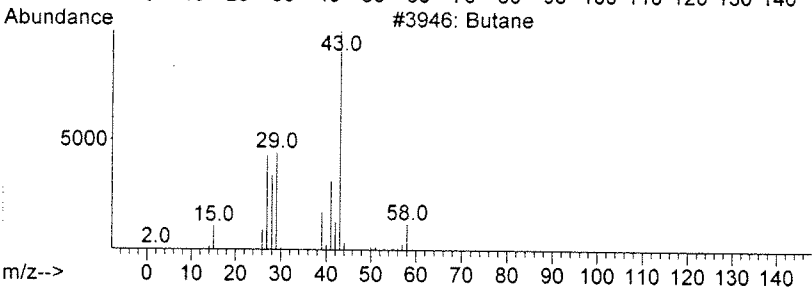
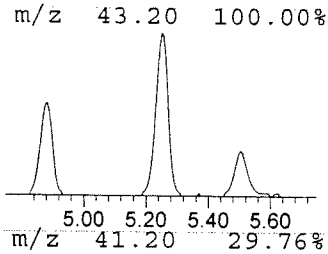
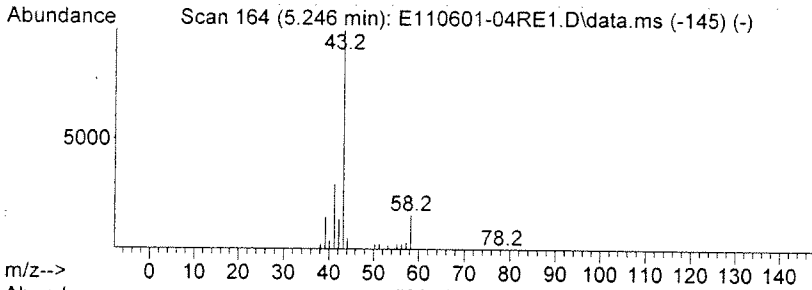
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Butane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.246	2.68 ^{2.10} UG/M3	222608	IS01 Difluorobenzene	12.820

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane	58	C4H10	000106-97-8	64
2		Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	9
3		Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	4
4		2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	4
5		Hydrogen azide	43	HN3	007782-79-8	4



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

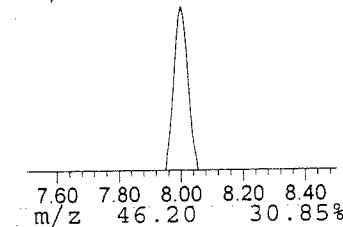
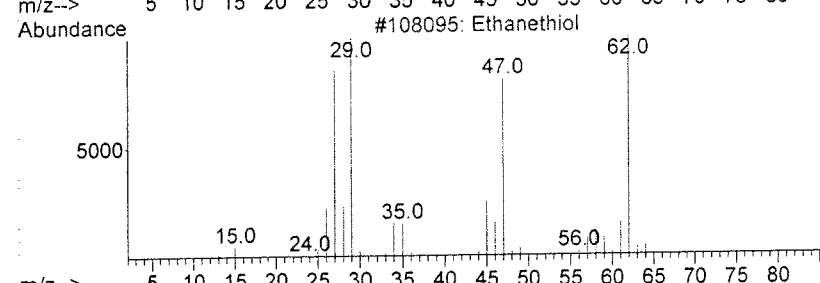
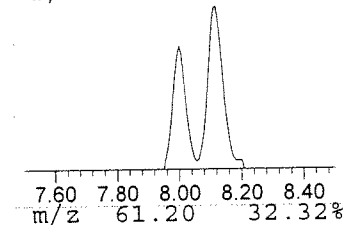
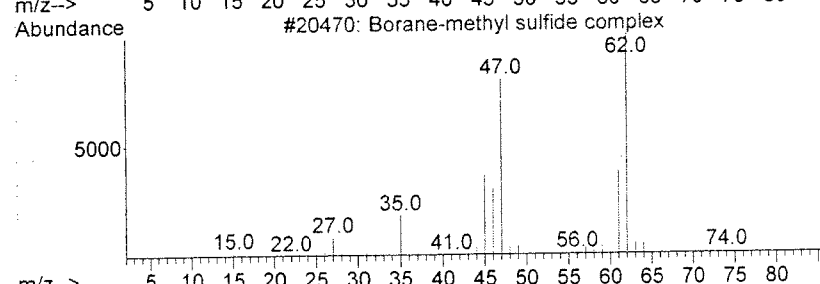
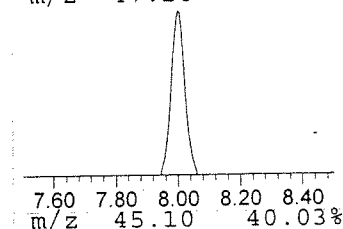
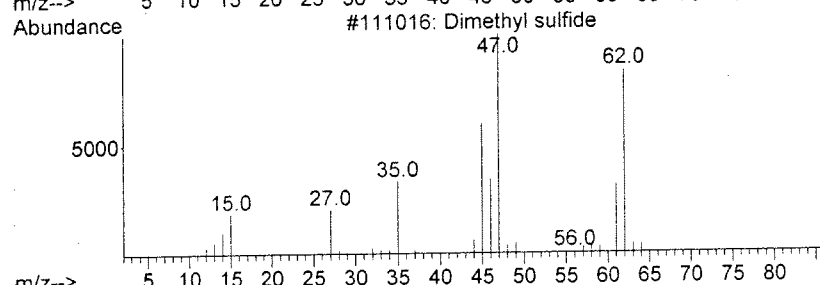
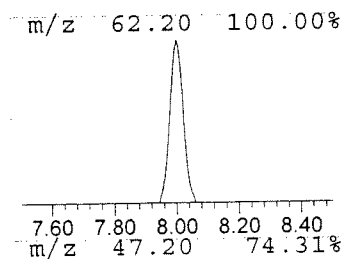
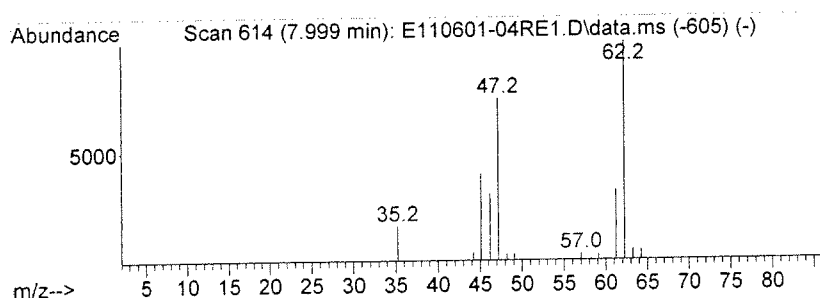
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Dimethyl sulfide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.999	2.39 UG/M3	198462	IS01 Difluorobenzene	12.820

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	91
3		Ethanethiol	62	C2H6S	000075-08-1	86
4		Methionine, 2-methyl-	163	C6H13NO2S	000562-48-1	78
5		Ethene, chloro-	62	C2H3Cl	000075-01-4	42



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

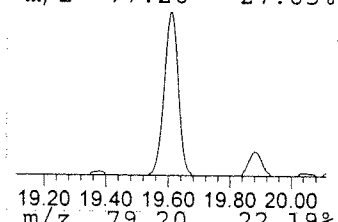
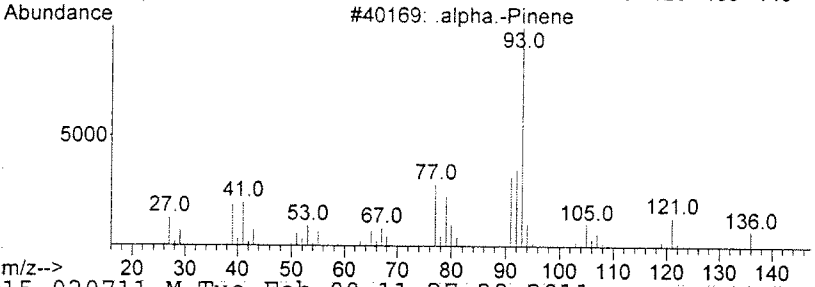
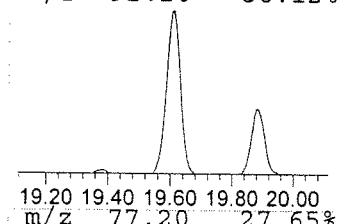
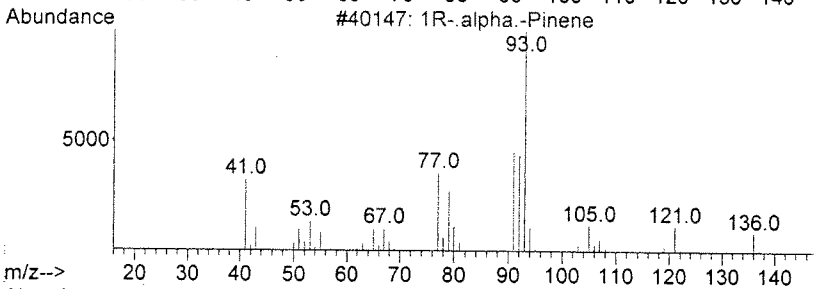
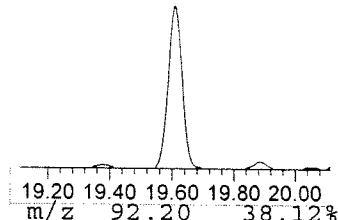
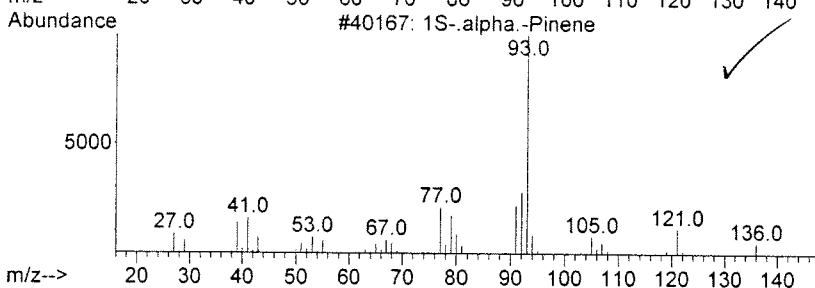
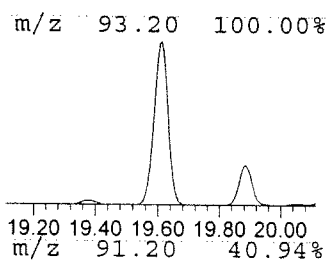
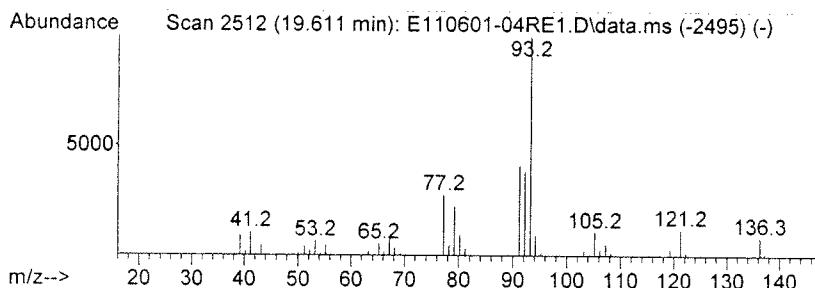
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 1S-.alpha.-Pinene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.611	18.39 UG/M3	1605180	IS02 Chlorobenzene-D5	17.800

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	1S-.alpha.-Pinene	136	C10H16	007785-26-4	96
2	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	94
4	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
5	3-Carene	136	C10H16	013466-78-9	87



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

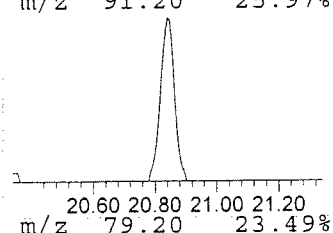
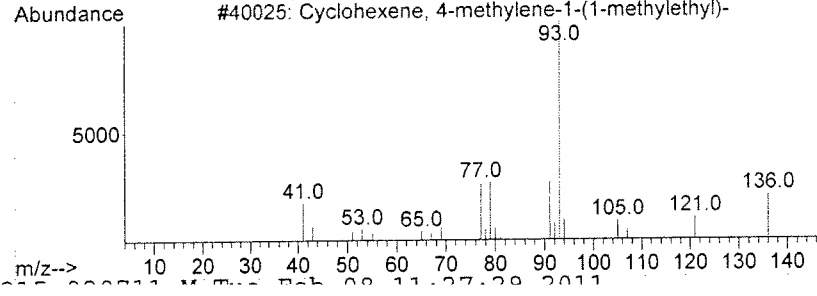
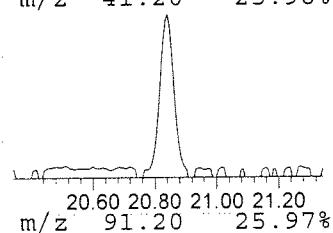
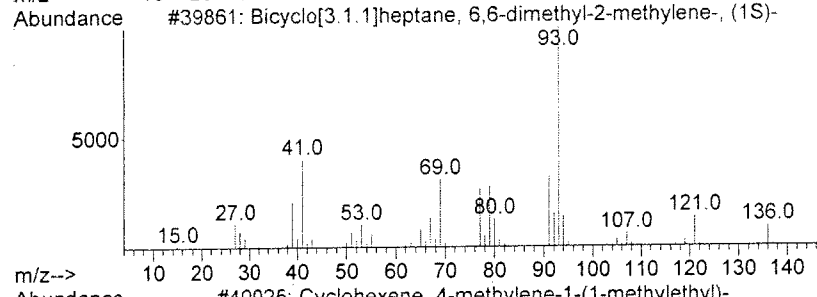
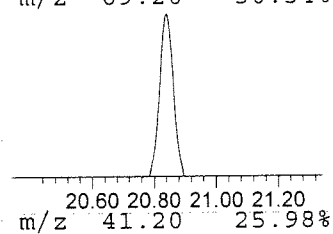
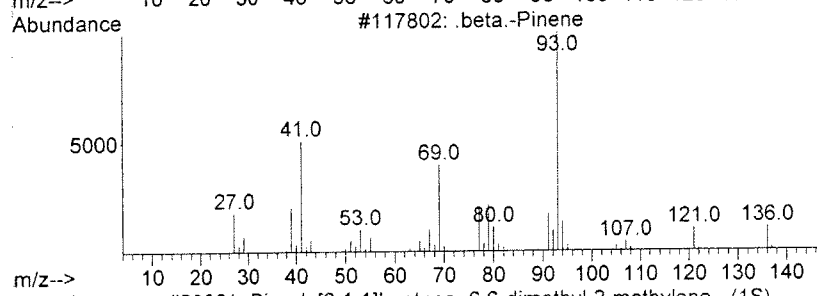
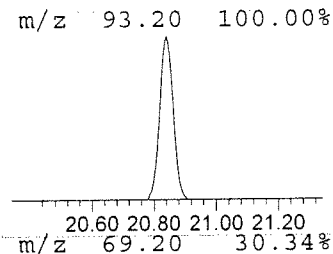
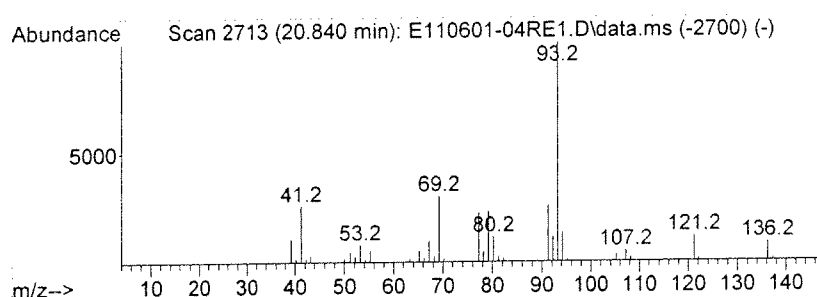
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 .beta.-Pinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.840	8.89 UG/M3	495920	IS03 1,4-Dichlorobenzene-D4	22.033

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-Pinene	136	C10H16	000127-91-3	97
2		Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	97
3		Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4		Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	87
5		.alpha.-Pinene	136	C10H16	000080-56-8	87



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-04RE1.D
 Acq On : 7 Feb 2011 7:40 pm
 Operator : FW
 Sample : E110601-04RE1
 Misc : can2783,500cc,ip=13,fp=30
 ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	5.246	2.7	UG/M3	222608	1	12.820	1978980	23.8
Dimethyl sulfide	7.999	2.4	UG/M3	198462	1	12.820	1978980	23.8
1S-.alpha.-Pinene	19.611	18.4	UG/M3	1605180	2	17.800	2086170	23.9
.beta.-Pinene	20.840	8.9	UG/M3	495920	3	22.033	1672800	30.0

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-05RE1.D
 Acq On : 7 Feb 2011 8:29 pm
 Operator : FW
 Sample : E110601-05RE1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 08 08:01:55 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	Qvalue
Internal Standards							
1) IS01 Difluorobenzene	12.820	114	964545	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	745527	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	288074	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
2) 7001 Propene	4.433	41	72314	0.52	UG/M3#		<i>< 5% BIK</i>
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	188671	<u>1.12</u>	UG/M3	97	
4) 7017 Freon 114 (Cl2F4E...	4.842	85	7309	0.05	UG/M3#	70	
5) 7025 Chloromethane	4.965	50	60311	<u>0.42</u>	UG/M3	98	
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	79070	<u>0.58</u>	UG/M3	99	
12) 7011 Freon 113 (Cl3F3E...	7.803	101	22377	<u>0.26</u>	UG/M3	94	
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.858	43	233410	1.53	UG/M3		<i>< 10% BIK</i>
15) 7024 Isopropanol	8.115	45	39121	0.25	UG/M3		<i>< 5% BIK</i>
16) 7052 Carbon Disulfide	8.250	76	4953	0.02	UG/M3#	75	
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	8.635	49	8907	<u>0.10</u>	UG/M3#	84	
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	9.627	57	9335	<u>0.06</u>	UG/M3#	65	
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	10.801	72	19186	<u>0.42</u>	UG/M3#	82	
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	11.297	83	3594	0.03	UG/M3#	17	
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	11.963	117	22787	<u>0.23</u>	UG/M3	99	
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.275	78	92484	<u>0.30</u>	UG/M3	99	
36) 7036 Isooctane (2,2,4-...	12.392	57	8275	0.02	UG/M3#	43	
37) 7038 Heptane	12.661	43	7246	<u>0.06</u>	UG/M3#	14	
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

*OK
FW
2-9-11*

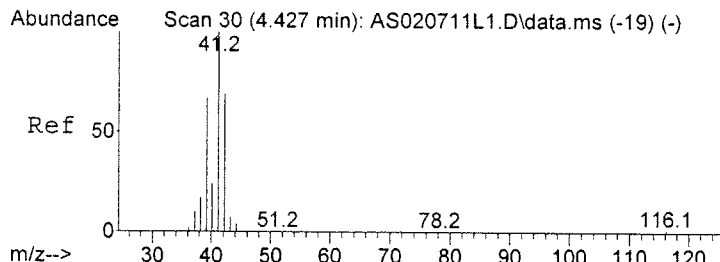
Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-05RE1.D
 Acq On : 7 Feb 2011 8:29 pm
 Operator : FW
 Sample : E110601-05RE1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 08 08:01:55 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration

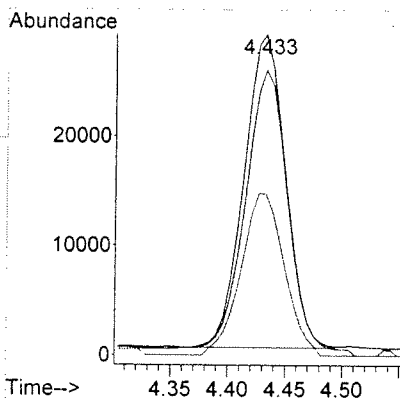
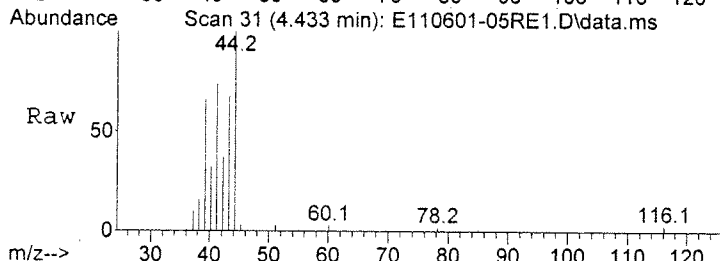
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	46007	0.16	UG/M3	98
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	16.436	43	4332	0.05	UG/M3#	26
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	18.014	91	7545	0.03	UG/M3#	48
55) 7156 (m- and/or p-) Xy...	18.210	91	10707	0.05	UG/M3#	74
56) 7157 o-Xylene	18.938	91	4961	0.02	UG/M3#	28
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	0.000		0		N.D.	
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	21.354	105	3524	0.02	UG/M3#	28
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

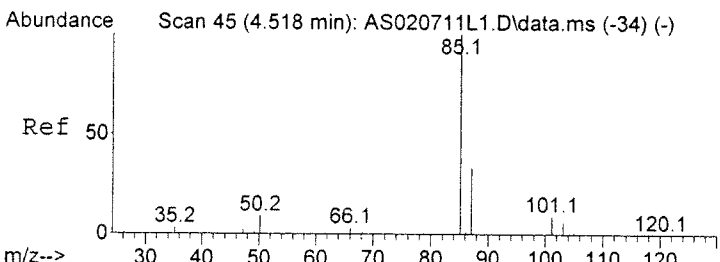
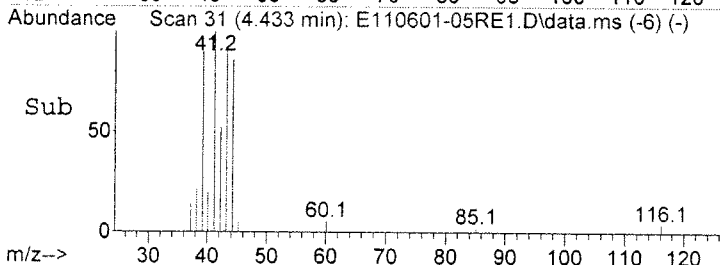


#2
 7001 Propene
 Concen: 0.52 UG/M3
 RT: 4.433 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
41	72314		
41	100		
39	88.5	47.3	87.3#
42	53.6	49.0	89.0



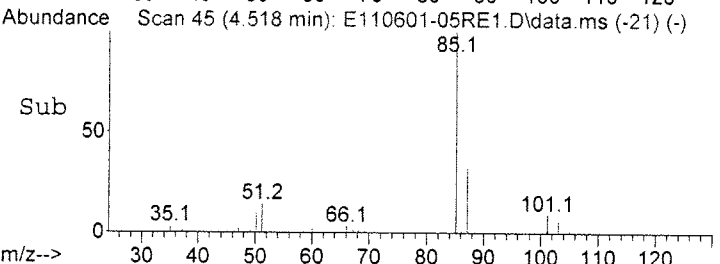
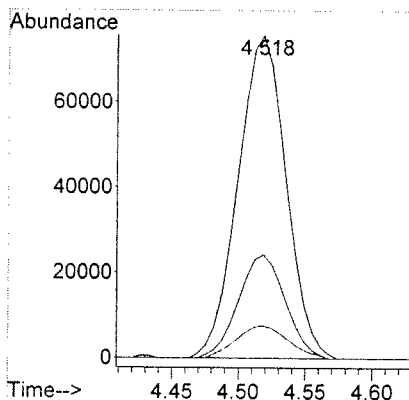
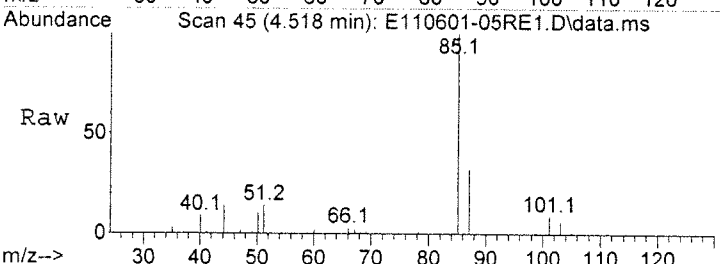
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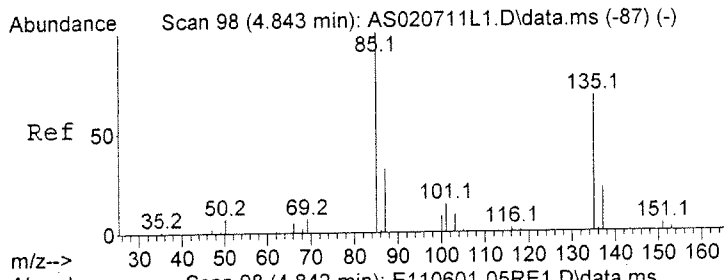


#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.12 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
85	188671		
85	100		
87	31.2	12.7	52.7
50	10.8	0.0	29.1

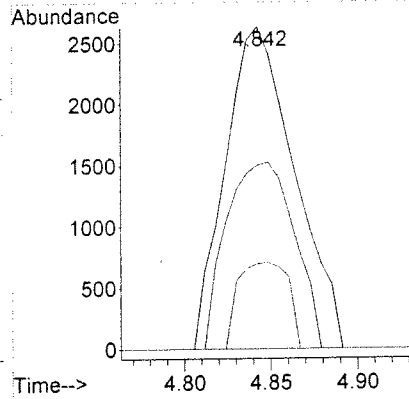
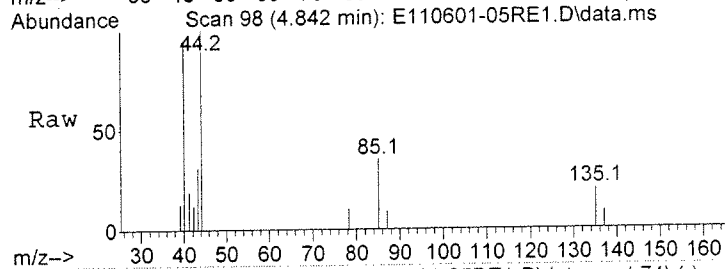
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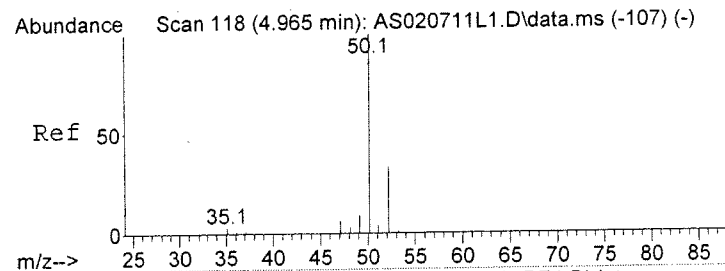
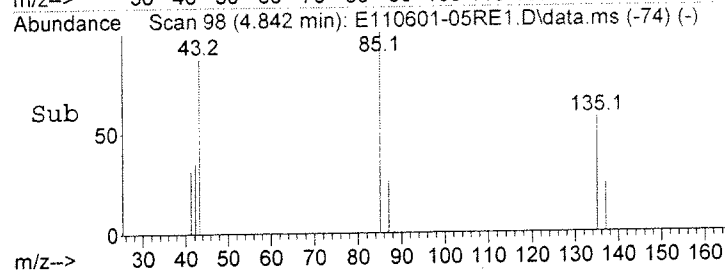


#4
 7017 Freon 114 (C12F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.842 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Ratio	Lower	Upper
85	100		
135	56.7	50.8	90.8
87	0.0	12.6	52.6#

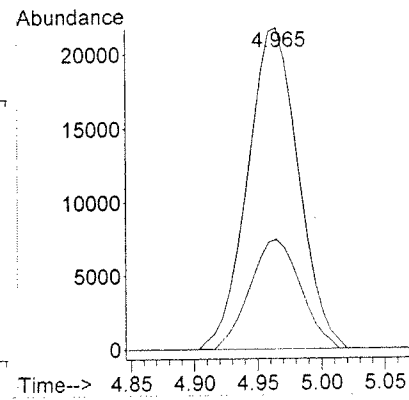
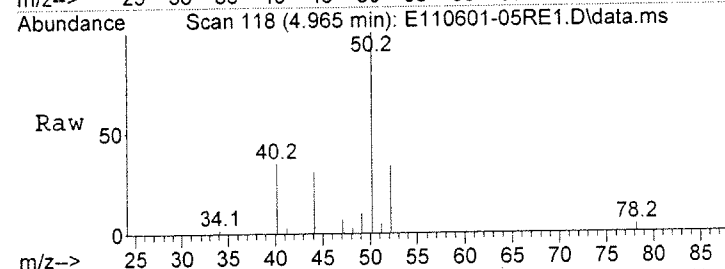


CMP

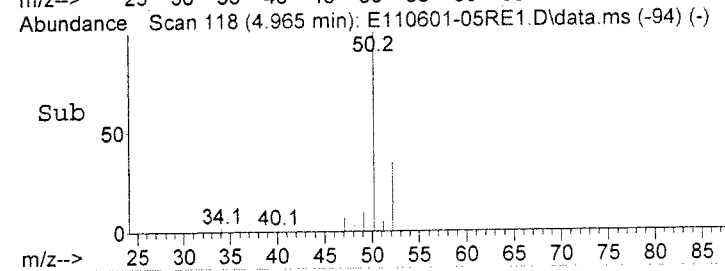


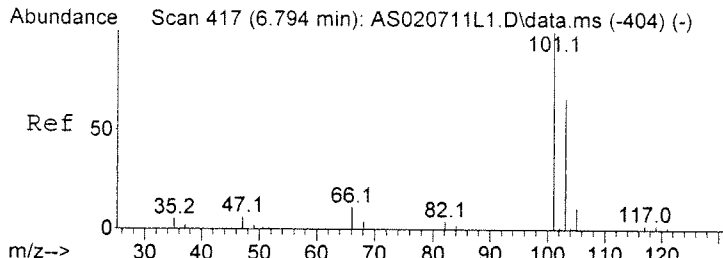
#5
 7025 Chloromethane
 Concen: 0.42 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.1	13.2	53.2



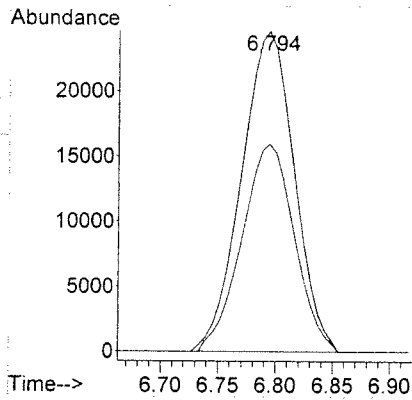
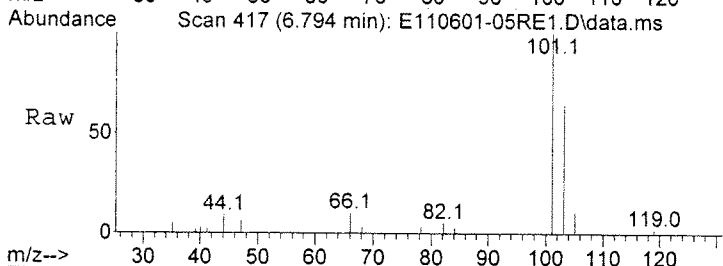
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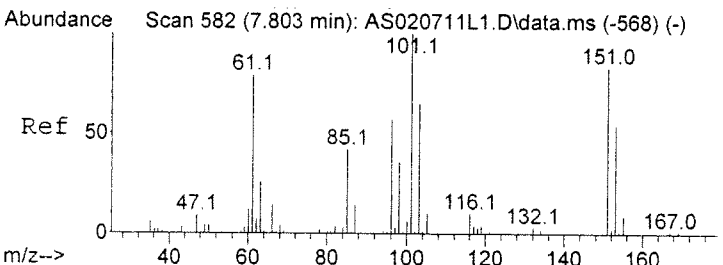
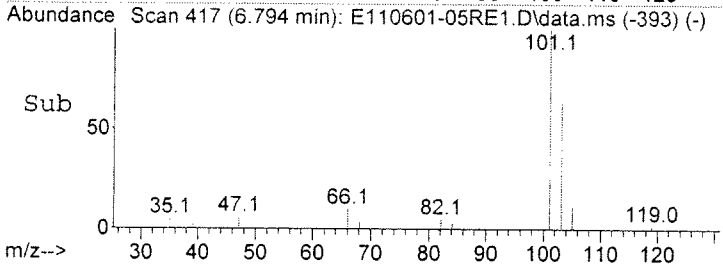


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.58 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion:101 Resp: 79070
 Ion Ratio Lower Upper
 101 100
 103 64.5 45.1 85.1

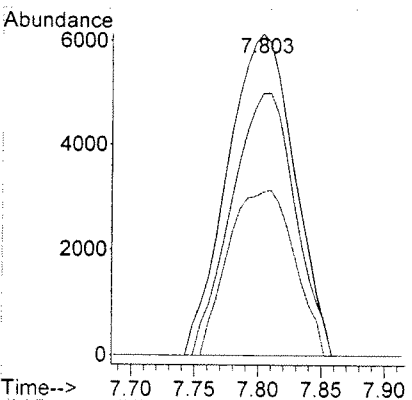
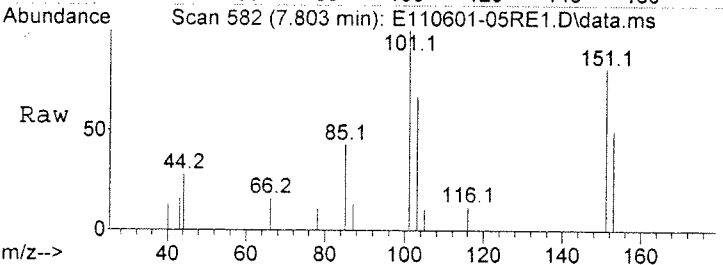


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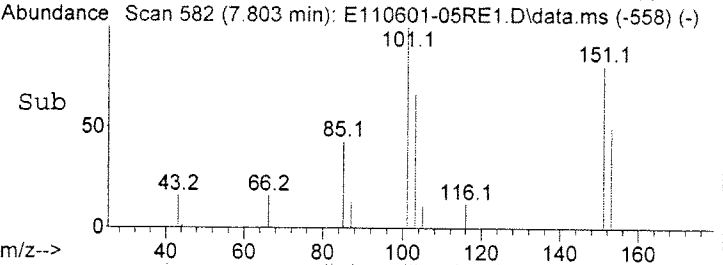


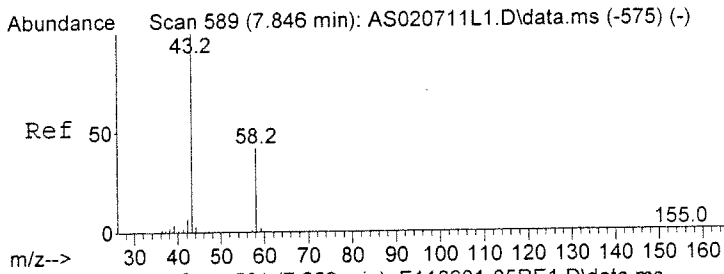
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.26 UG/M3
 RT: 7.803 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion:101 Resp: 22377
 Ion Ratio Lower Upper
 101 100
 151 77.7 64.5 104.5
 153 50.9 34.2 74.2



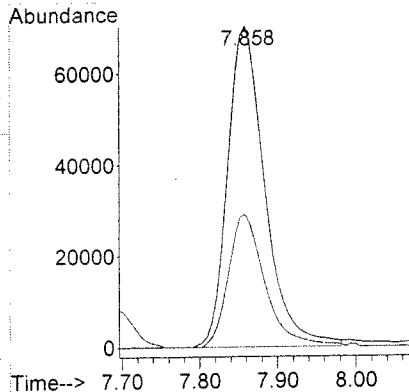
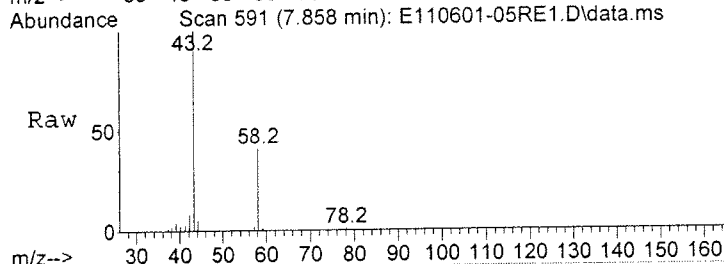
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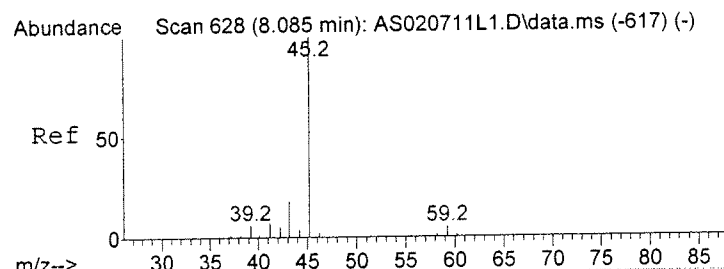
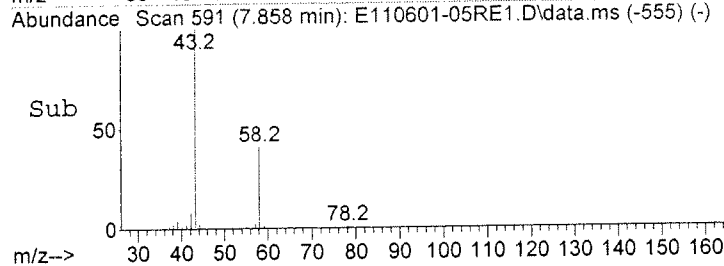


#14
 7051 Acetone
 Concen: 1.53 UG/M3
 RT: 7.858 min Scan# 591
 Delta R.T. 0.018 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
43	233410		
58	40.5	21.6	61.6

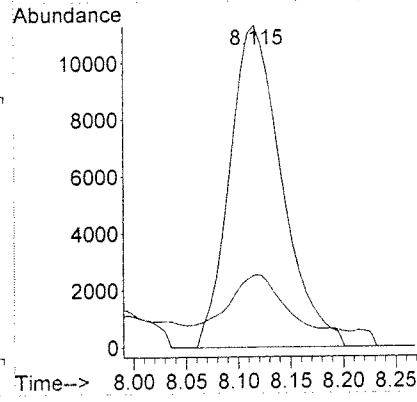
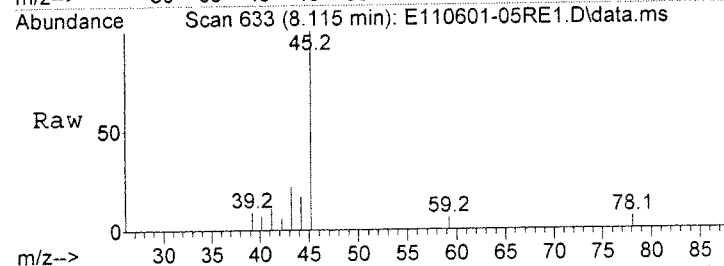


<10x BIK

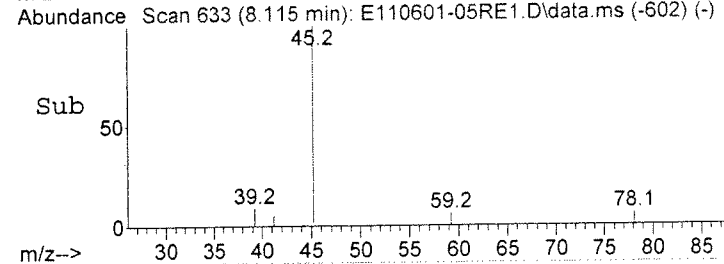


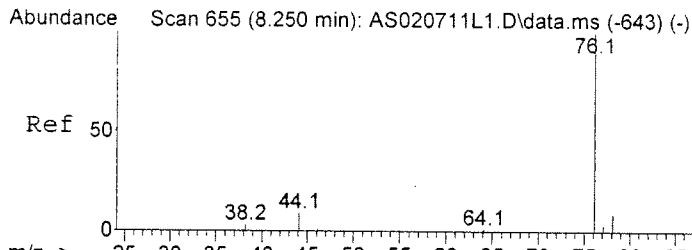
#15
 7024 Isopropanol
 Concen: 0.25 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
45	39121		
43	16.0	0.0	37.4



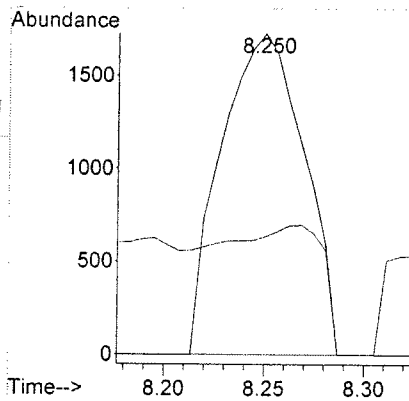
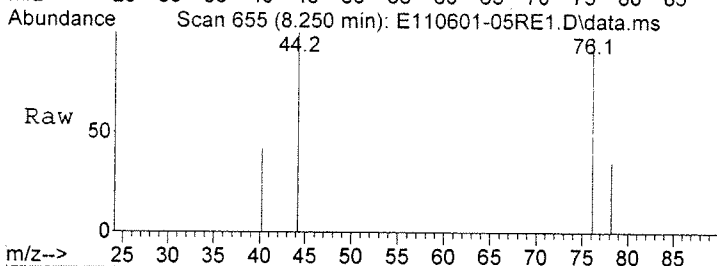
CSX BIK



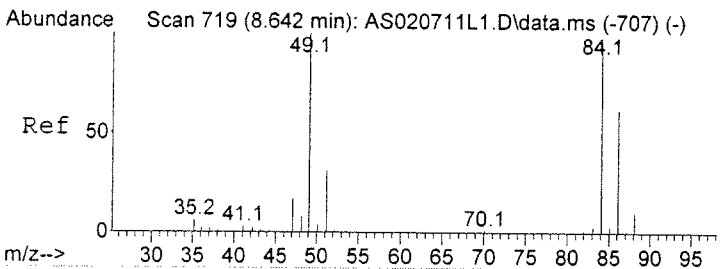
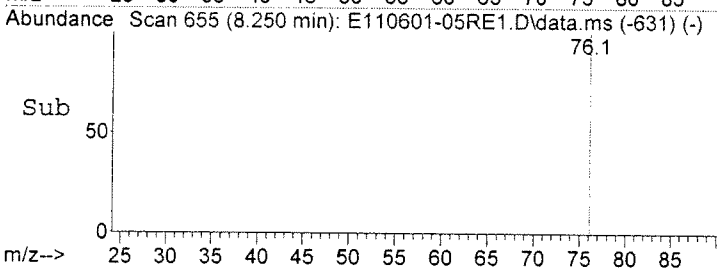


#16
 7052 Carbon Disulfide
 Concen: 0.02 UG/M3
 RT: 8.250 min Scan# 655
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion: 76 Resp: 4953
 Ion Ratio Lower Upper
 76 100
 78 0.0 0.0 29.2

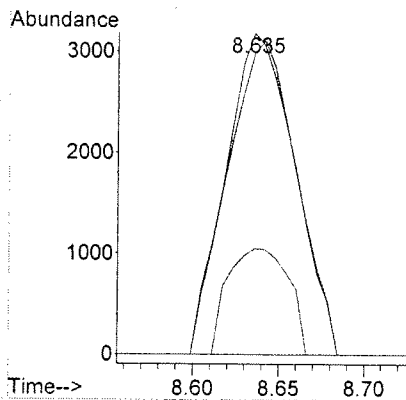
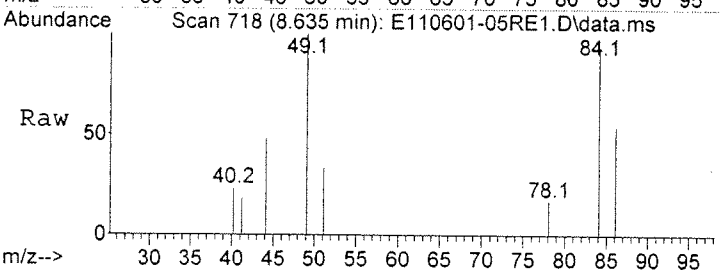


CMDL

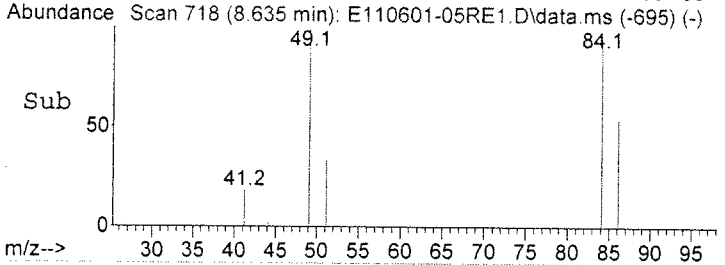


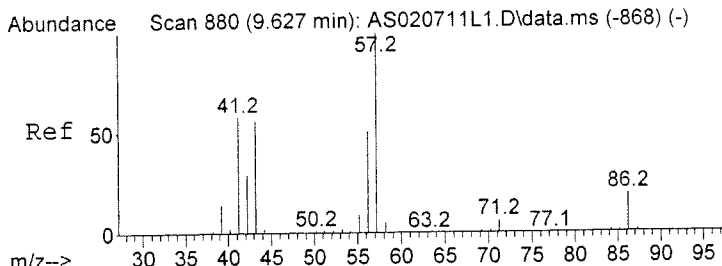
#18
 7045 Methylene Chloride
 Concen: 0.10 UG/M3
 RT: 8.635 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion: 49 Resp: 8907
 Ion Ratio Lower Upper
 49 100
 84 97.8 75.6 115.6
 51 0.0 11.5 51.5#



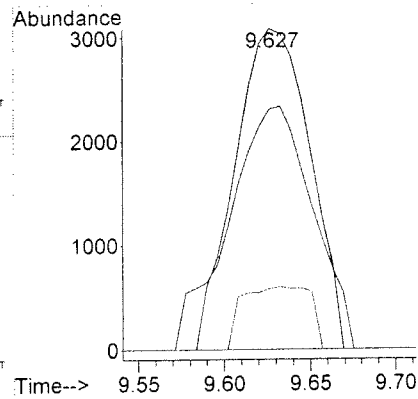
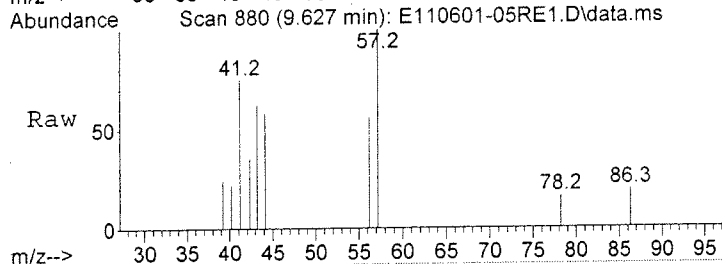
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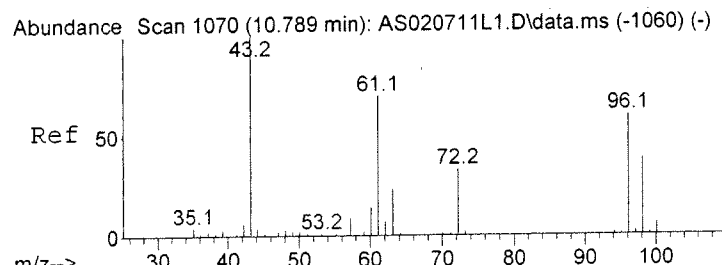
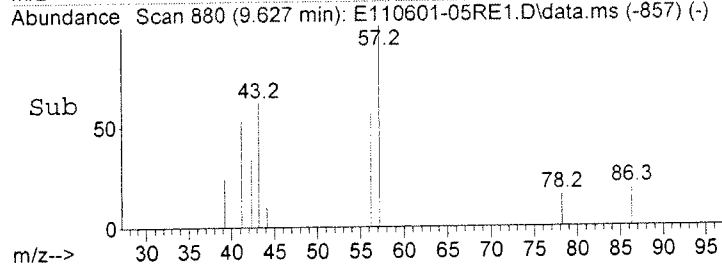


#22
 7016 Hexane
 Concen: 0.06 UG/M3
 RT: 9.627 min Scan# 880
 Delta R.T. -0.006 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion:	Resp:	Lower	Upper
57	9335		
41	80.4	36.5	76.5#
86	0.0	0.0	39.4

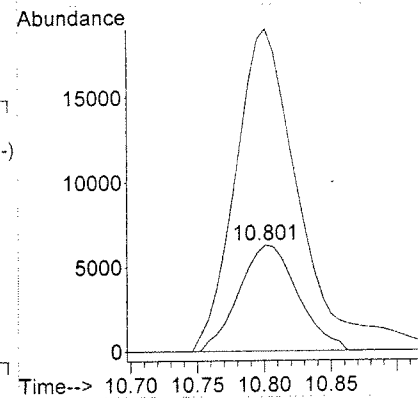
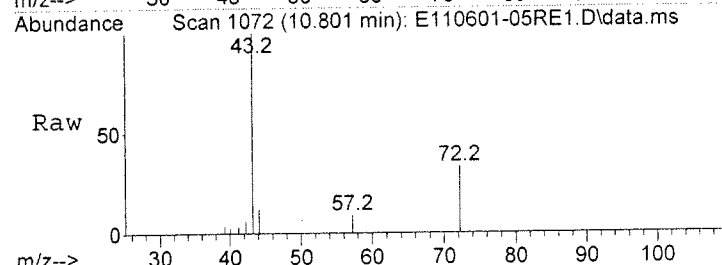


OK

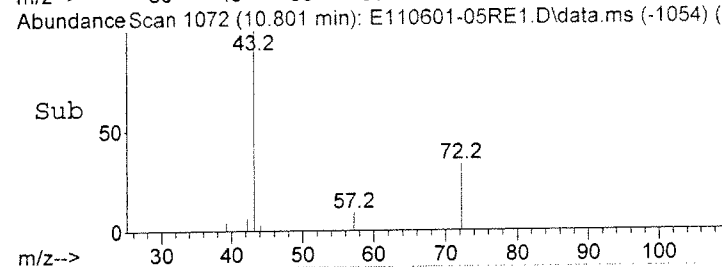


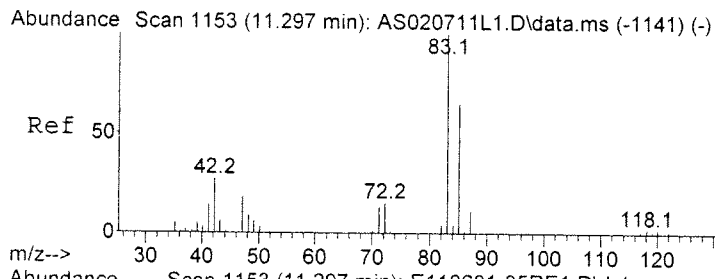
#25
 7058 Methyl Ethyl Ketone
 Concen: 0.42 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. 0.012 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion:	Resp:	Lower	Upper
72	19186		
43	330.3	275.8	315.8#



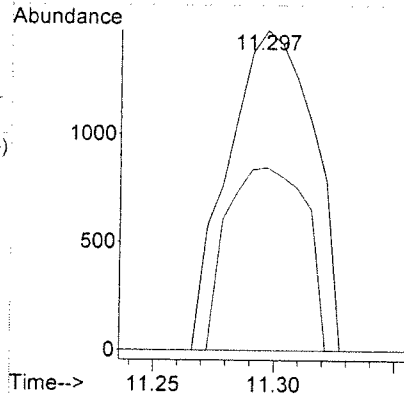
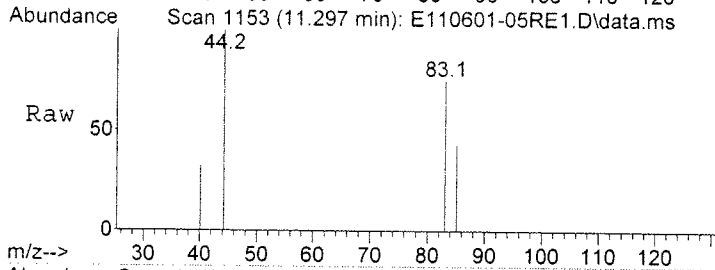
OK



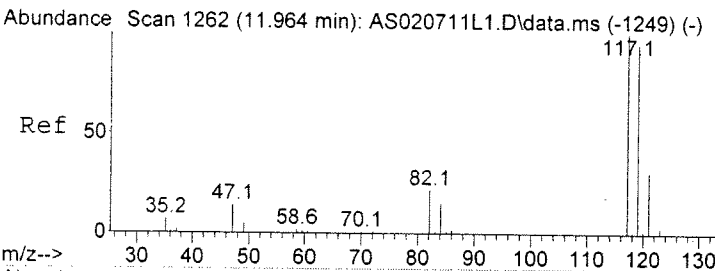
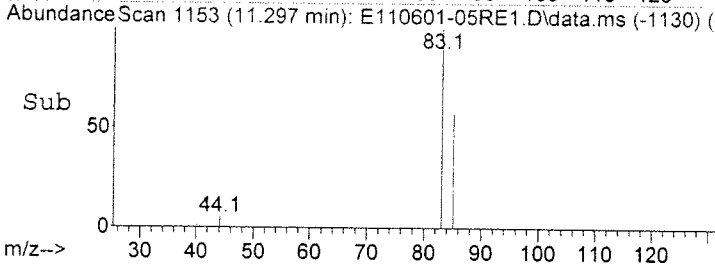


#28
 7065 Chloroform
 Concen: 0.03 UG/M3
 RT: 11.297 min Scan# 1153
 Delta R.T. -0.006 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
83	100		
85	0.0	45.2	85.2#

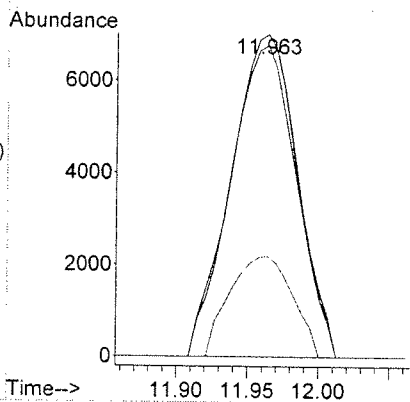
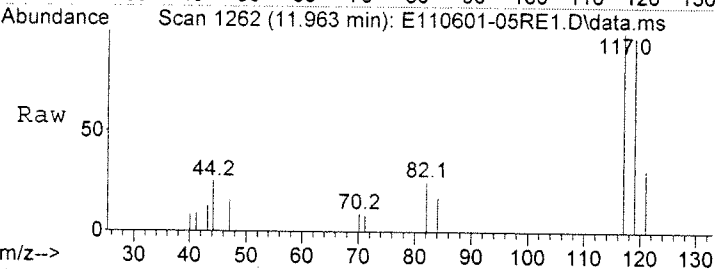


SMPL

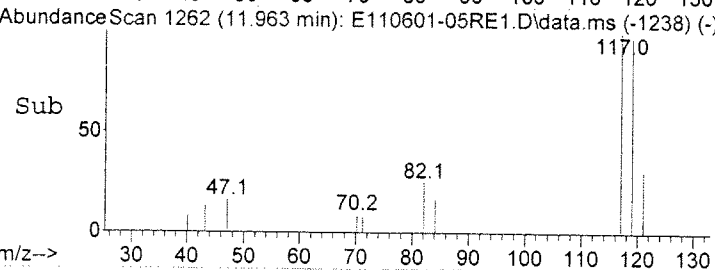


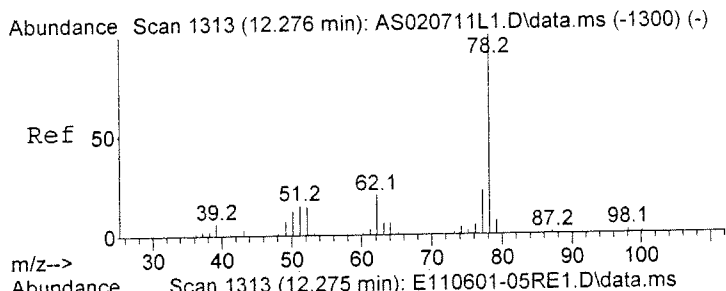
#33
 7080 Carbon Tetrachloride
 Concen: 0.23 UG/M3
 RT: 11.963 min Scan# 1262
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.5	76.2	116.2
121	29.4	11.2	51.2



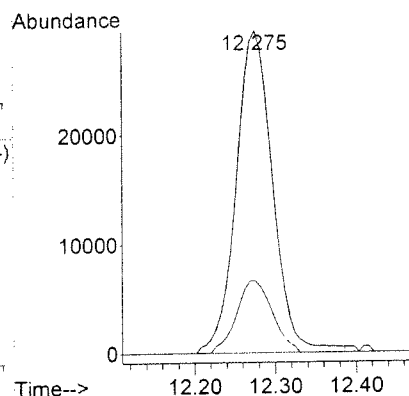
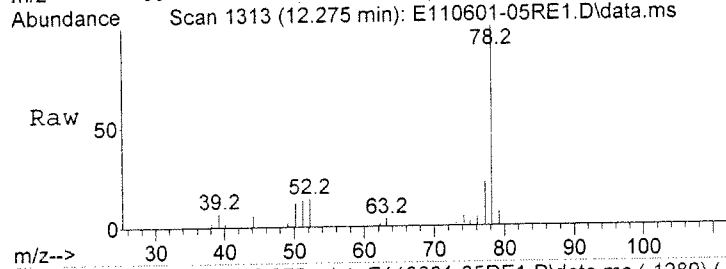
OK



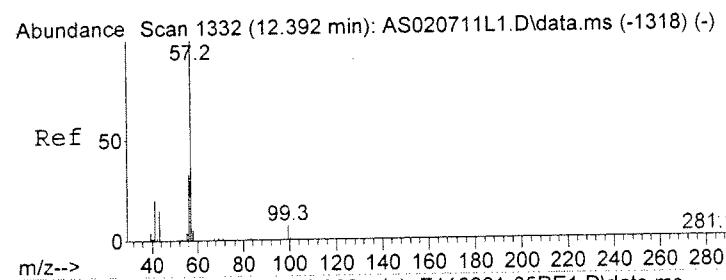
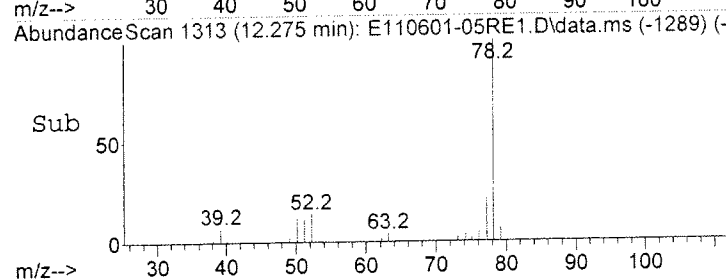


#35
 7105 Benzene
 Concen: 0.30 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
78	100		
77	22.1	2.6	42.6

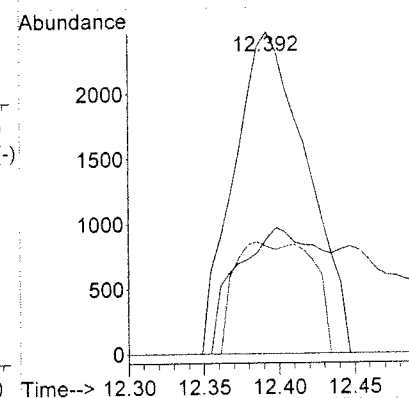
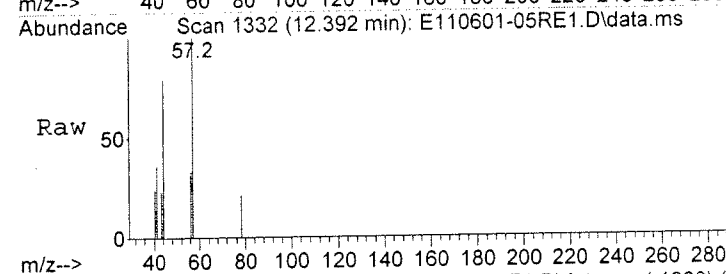


OK

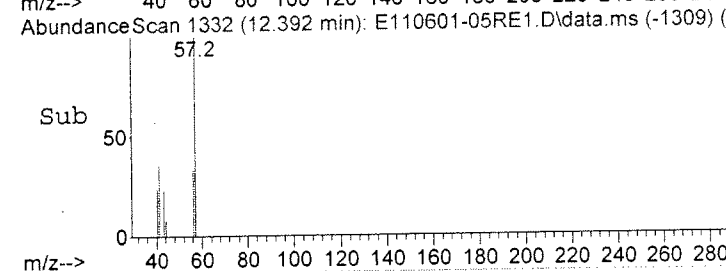


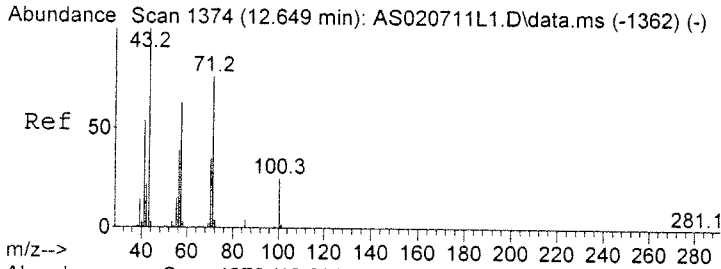
#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.02 UG/M3
 RT: 12.392 min Scan# 1332
 Delta R.T. -0.006 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
57	100		
41	45.1	0.1	40.1#
56	0.0	13.6	53.6#



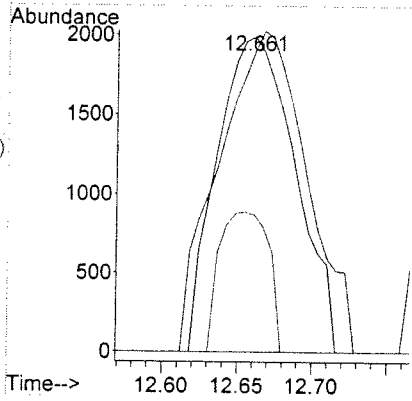
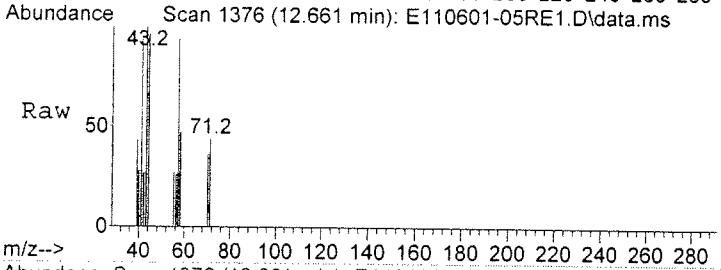
LMDL



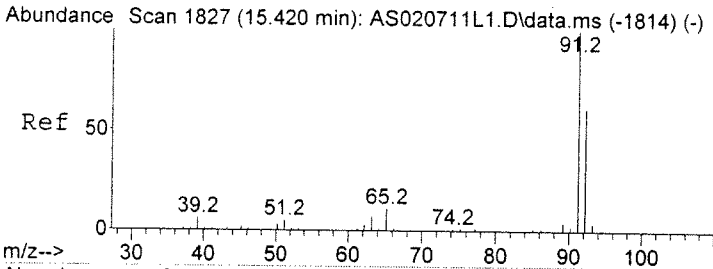
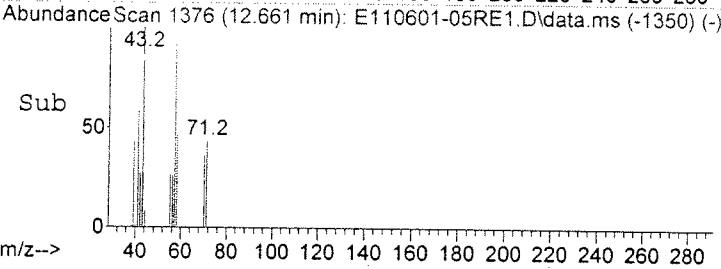


#37
 7038 Heptane
 Concen: 0.06 UG/M3
 RT: 12.661 min Scan# 1376
 Delta R.T. 0.012 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
43	7246		
41	111.4	32.9	72.9#
71	0.0	56.7	96.7#

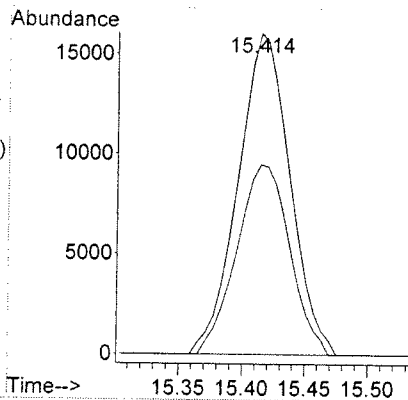
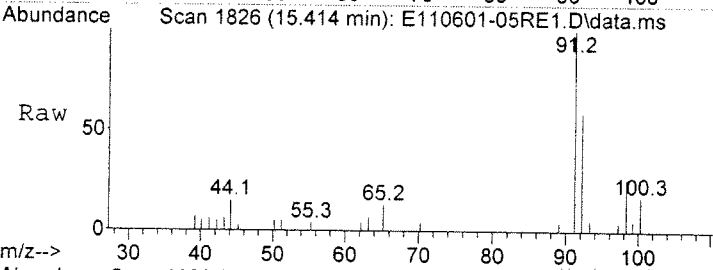


AMDC
OK

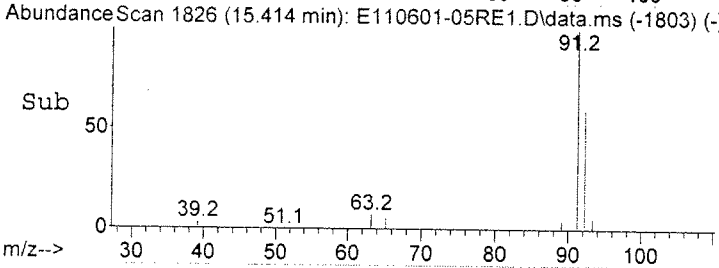


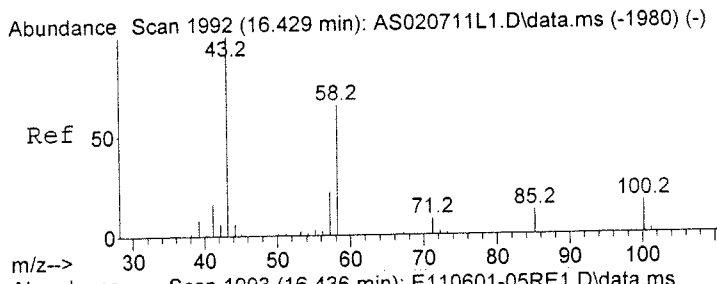
#46
 7145 Toluene
 Concen: 0.16 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
91	46007		
92	60.2	41.6	81.6



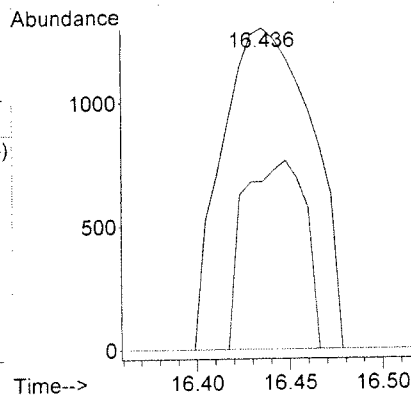
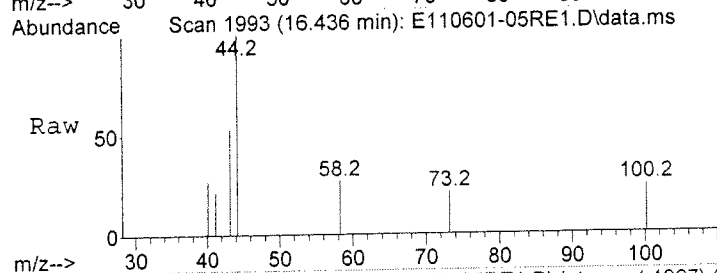
OK



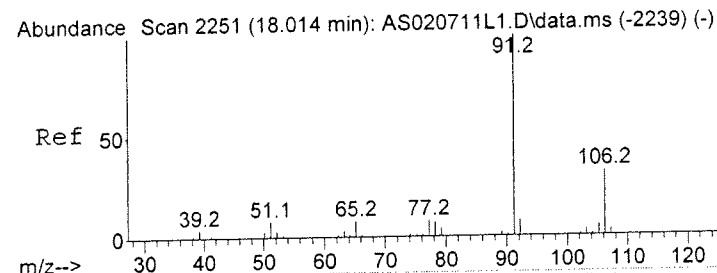
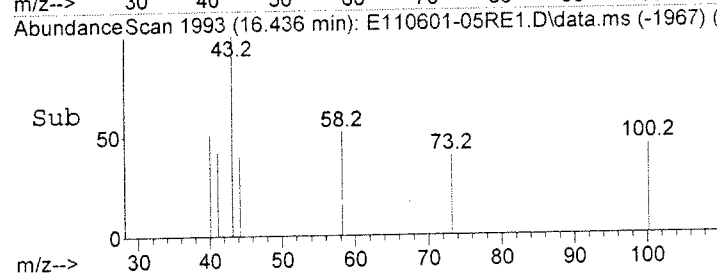


#50
 7142 Methyl Butyl Ketone
 Concen: 0.05 UG/M3
 RT: 16.436 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	46.5	86.5#
57	0.0	2.5	42.5#

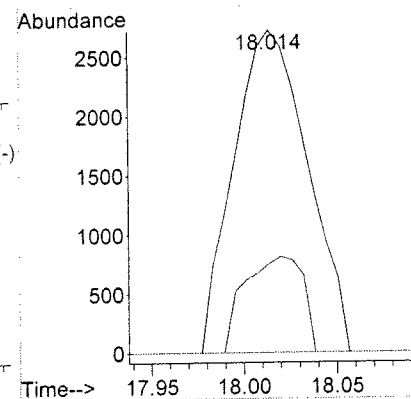
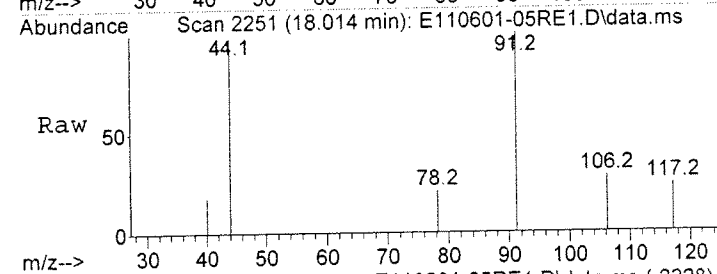


No

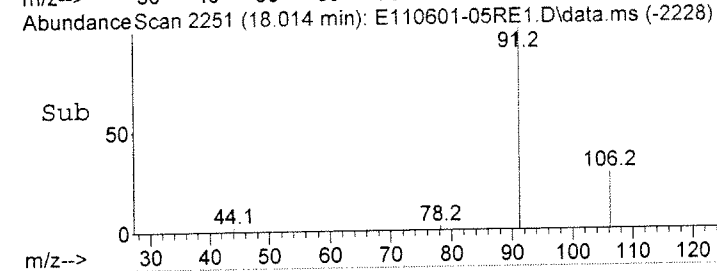


#54
 7155 Ethylbenzene
 Concen: 0.03 UG/M3
 RT: 18.014 min Scan# 2251
 Delta R.T. -0.006 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

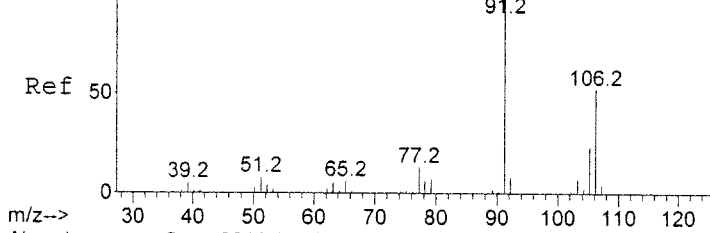
Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	13.9	53.9#
51	0.0	0.0	28.0



SMPL



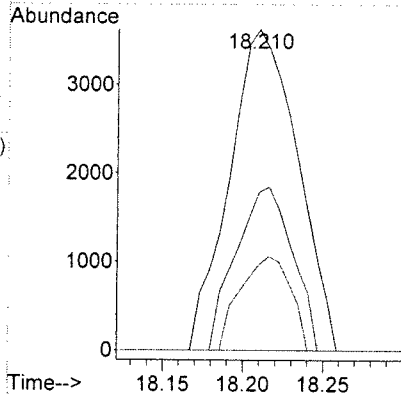
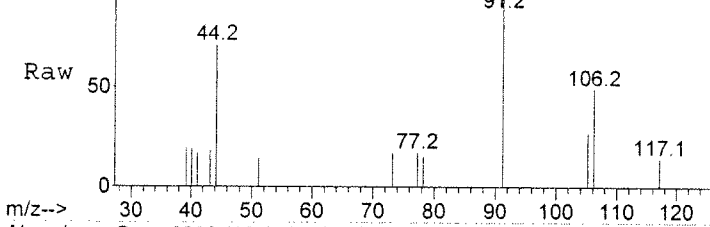
Abundance Scan 2284 (18.216 min): AS020711L1.D\data.ms (-2271) (-)



#55
7156 (m- and/or p-) Xylene
Concen: 0.05 UG/M3
RT: 18.210 min Scan# 2283
Delta R.T. -0.006 min
Lab File: E110601-05RE1.D
Acq: 7 Feb 2011 8:29 pm

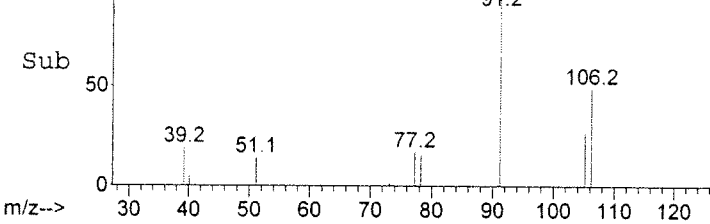
Tgt Ion: 91 Resp: 10707
Ion Ratio Lower Upper
91 100
106 42.2 33.6 73.6
105 0.0 3.5 43.5#

Abundance Scan 2283 (18.210 min): E110601-05RE1.D\data.ms

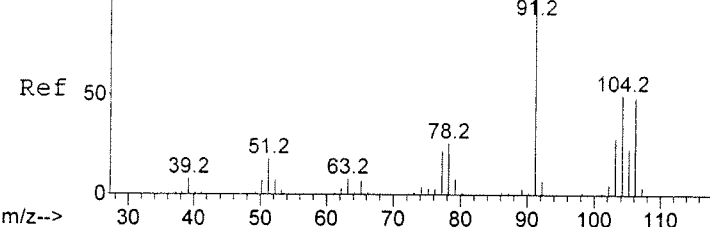


CMDL

Abundance Scan 2283 (18.210 min): E110601-05RE1.D\data.ms (-2260) (-)



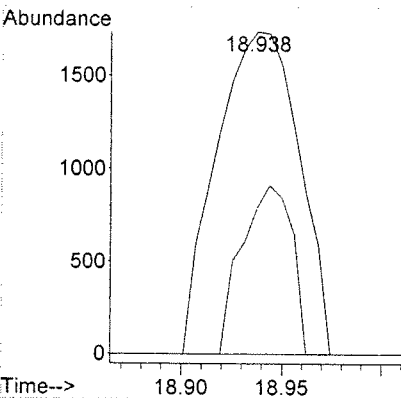
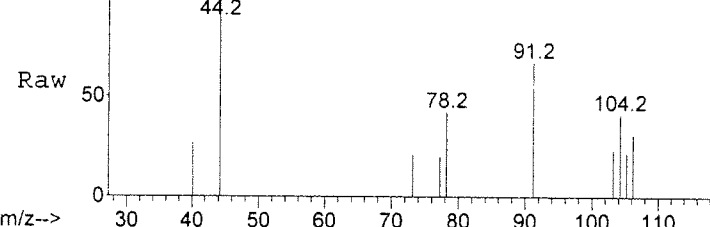
Abundance Scan 2402 (18.938 min): AS020711L1.D\data.ms (-2389) (-)



#56
7157 o-Xylene
Concen: 0.02 UG/M3
RT: 18.938 min Scan# 2402
Delta R.T. -0.000 min
Lab File: E110601-05RE1.D
Acq: 7 Feb 2011 8:29 pm

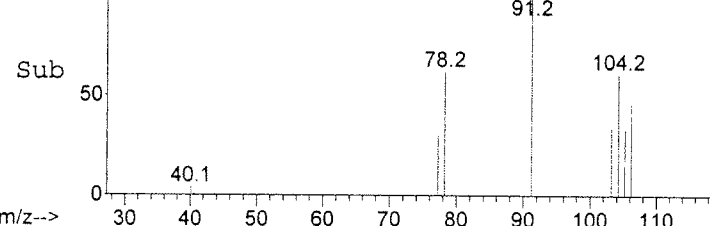
Tgt Ion: 91 Resp: 4961
Ion Ratio Lower Upper
91 100
106 0.0 29.7 69.7#

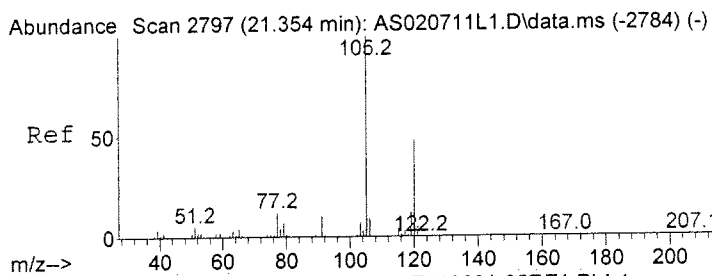
Abundance Scan 2402 (18.938 min): E110601-05RE1.D\data.ms



CMDL

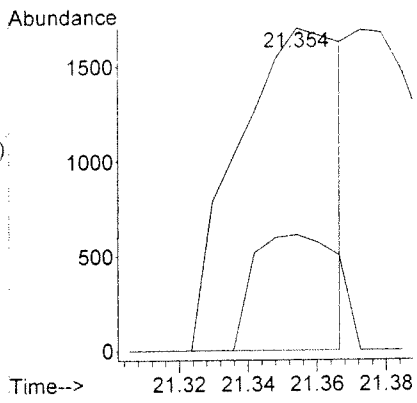
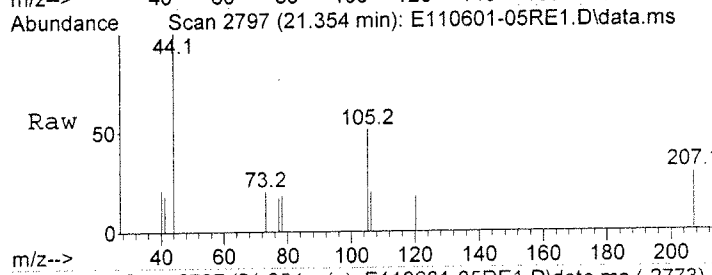
Abundance Scan 2402 (18.938 min): E110601-05RE1.D\data.ms (-2378) (-)



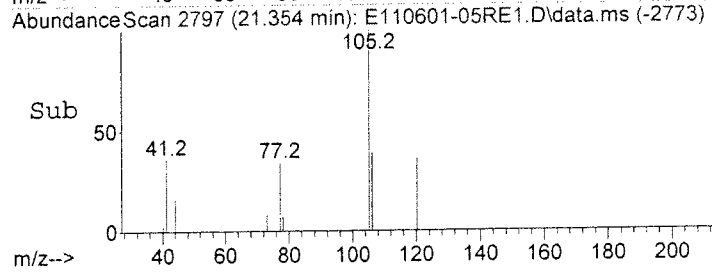


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.02 UG/M3
 RT: 21.354 min Scan# 2797
 Delta R.T. -0.000 min
 Lab File: E110601-05RE1.D
 Acq: 7 Feb 2011 8:29 pm

Tgt Ion	Resp	Lower	Upper
105	3524	0.0	68.6#
120	100		



CMDL



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-05RE1.D
 Acq On : 7 Feb 2011 8:29 pm
 Operator : FW
 Sample : E110601-05RE1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.02
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3000 Area counts
 Max Peaks: 3
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020711.M
 Title : TO15

Signal : TIC: E110601-05RE1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	19	rVB	57773	142254	1.16%	0.368%
2	4.433	19	31	38	rVV2	147635	424026	3.45%	1.096%
3	4.518	38	45	60	rVB2	146195	430063	3.50%	1.112%
4	4.879	85	104	111	rBV3	35715	116272	0.95%	0.301%
5	5.246	146	164	174	rBV	55589	191207	1.56%	0.494%
6	5.503	186	206	228	rVB	77619	299046	2.43%	0.773%
7	6.421	346	356	369	rVB3	31386	106265	0.86%	0.275%
8	6.794	404	417	432	rVB	52165	168916	1.37%	0.437%
9	7.858	572	591	608	rBV	116174	455104	3.70%	1.177%
10	10.514	1012	1025	1043	rVB5	23317	102276	0.83%	0.264%
11	10.801	1063	1072	1094	rBV	30137	100612	0.82%	0.260%
12	11.554	1180	1195	1211	rBV	2265104	6918807	56.30%	17.890%
13	12.275	1297	1313	1323	rBV	58416	177339	1.44%	0.459%
14	12.820	1388	1402	1416	rBV	681938	2001712	16.29%	5.176%
15	15.304	1793	1808	1821	rBV2	3534290	10632099	86.51%	27.491%
16	15.414	1821	1826	1839	rVB	44855	133236	1.08%	0.345%
17	17.800	2203	2216	2240	rBV	701337	2043229	16.63%	5.283%
18	19.604	2497	2511	2522	rVB	58846	179798	1.46%	0.465%
19	19.886	2544	2557	2575	rBV	4216350	12289642	100.00%	31.777%
20	20.045	2575	2583	2594	rVB2	40673	158655	1.29%	0.410%
21	22.033	2896	2908	2942	rBV	514421	1603684	13.05%	4.147%

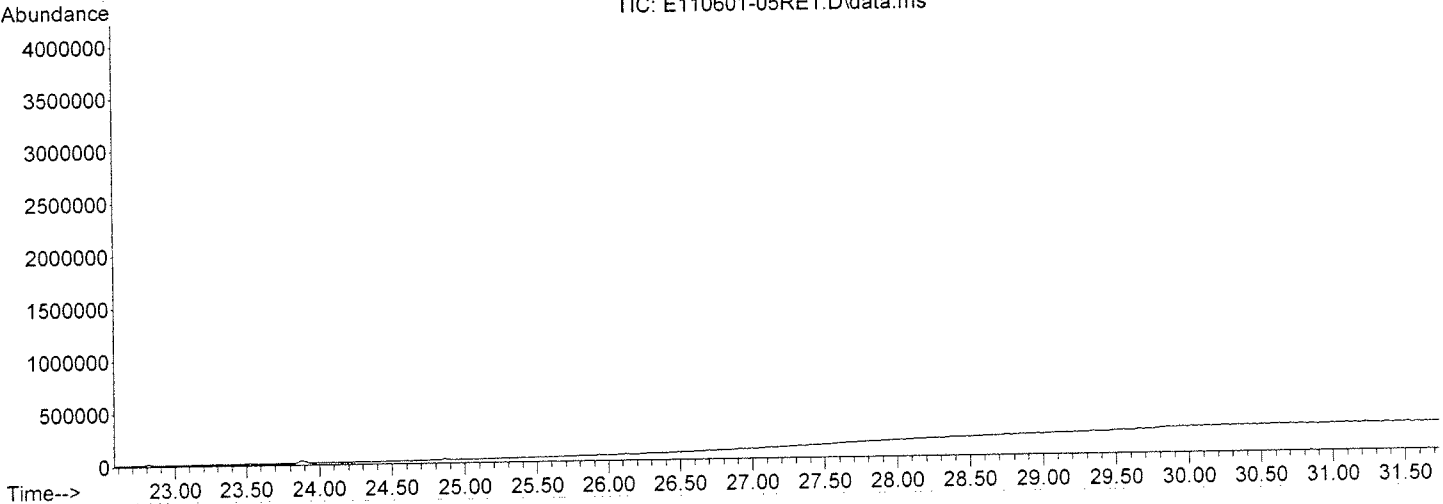
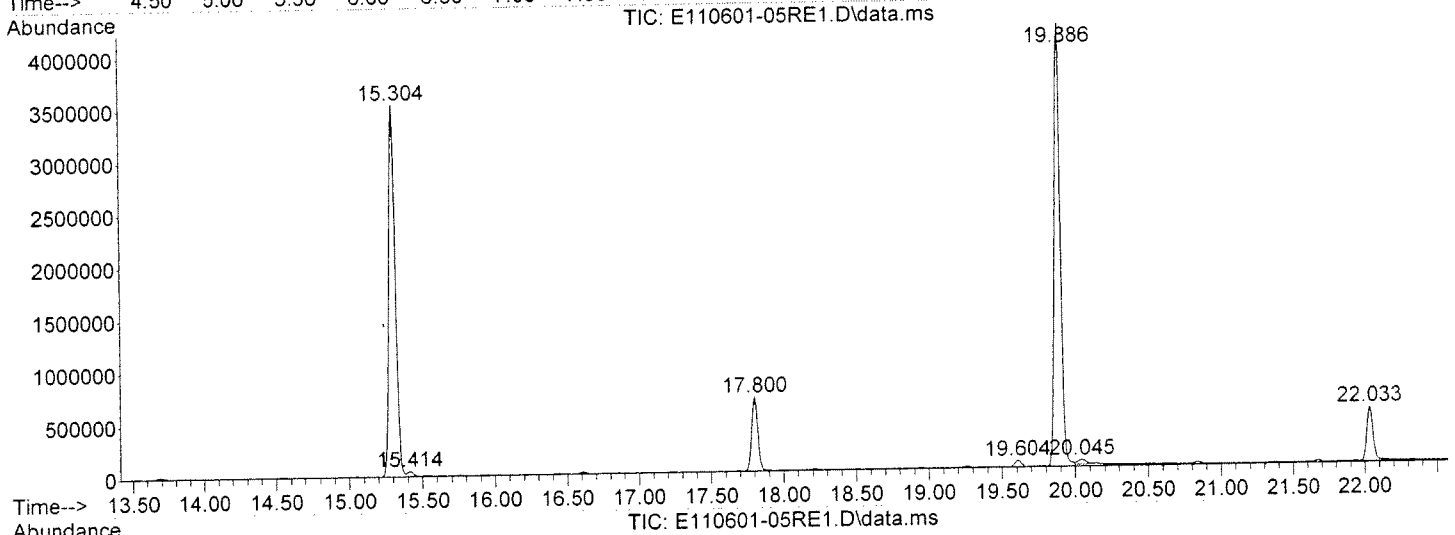
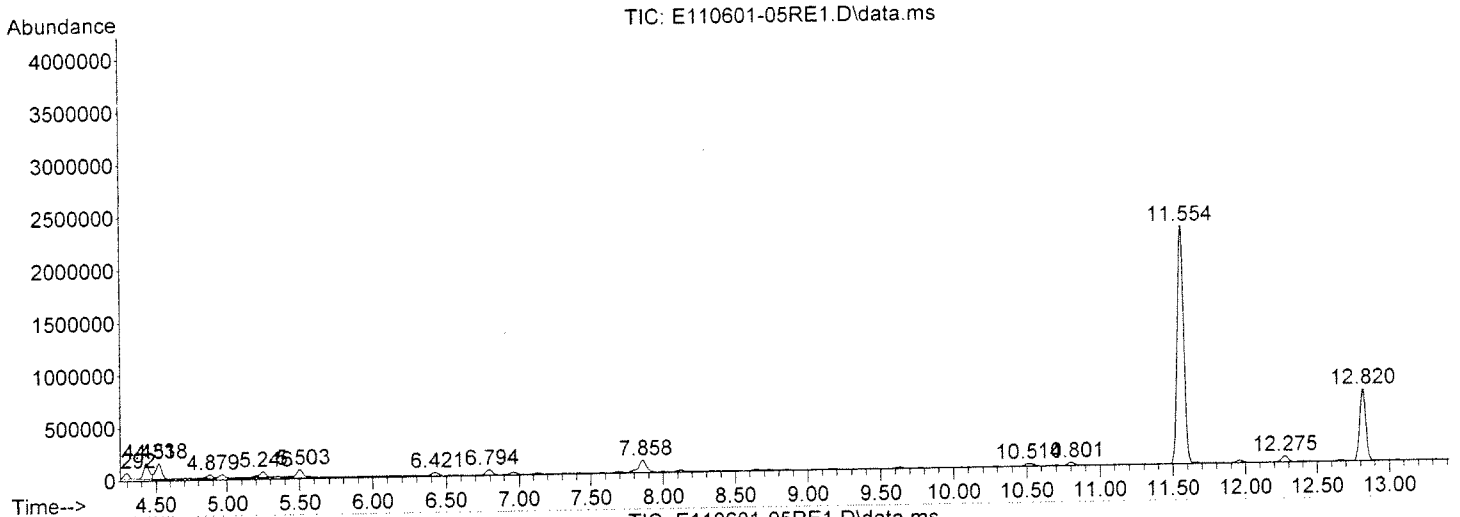
Sum of corrected areas: 38674242

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020711\
Data File : E110601-05RE1.D
Acq On : 7 Feb 2011 8:29 pm
Operator : FW
Sample : E110601-05RE1
Misc : can5928,500cc,ip=13.3,fp=30
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
Data File : E110601-05RE1.D
Acq On : 7 Feb 2011 8:29 pm
Operator : FW
Sample : E110601-05RE1
Misc : can5928,500cc,ip=13.3,fp=30
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Acetaldehyde Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.503	3.50 UG/M3	299046	IS01 Difluorobenzene	12.820

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acetaldehyde	44	C2H4O	000075-07-0	74
2		Ethylene oxide	44	C2H4O	000075-21-8	5
3		Propane	44	C3H8	000074-98-6	4
4		(R)-(-)-2-Amino-1-propanol	75	C3H9NO	035320-23-1	4
5		Acetic acid, [(aminocarbonyl)ami...	132	C3H4N2O4	000585-05-7	4

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020711\
 Data File : E110601-05RE1.D
 Acq On : 7 Feb 2011 8:29 pm
 Operator : FW
 Sample : E110601-05RE1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
acetaldehyde	5.503	3.6	UG/M3	299046	1	12.820	2001710	23.8

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-DUP1.D
 Acq On : 7 Feb 2011 9:19 pm
 Operator : FW
 Sample : 1102049-DUP1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 08 08:01:40 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:07 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS01 Difluorobenzene	12.820	114	953706	23.80	UG/M3	0.00
42) IS02 Chlorobenzene-D5	17.800	117	729644	23.90	UG/M3	0.00
58) IS03 1,4-Dichlorobenze...	22.033	152	281584	30.00	UG/M3	0.00
System Monitoring Compounds						
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec	
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec	
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec	
Target Compounds						
2) 7001 Propene	4.433	41	69768	0.51	UG/M3#	Qvalue 25761K
3) 7005 Freon 12 (CL2F2Me...	4.518	85	187511	1.13	UG/M3	99
4) 7017 Freon 114 (CL2F4E...	4.842	85	6721	0.05	UG/M3#	72
5) 7025 Chloromethane	4.965	50	60820	0.43	UG/M3	99
6) 7035 Vinyl Chloride	0.000		0	N.D.		
7) 7018 1,3-Butadiene	0.000		0	N.D.		
8) 7030 Bromomethane	0.000		0	N.D.		
9) 7040 Chloroethane	0.000		0	N.D.		
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.		
11) 7010 Freon 11 (Cl3Fmet...	6.794	101	77753	0.57	UG/M3	98
12) 7011 Freon 113 (Cl3F3E...	7.803	101	21802	0.25	UG/M3	95
13) 7050 1,1-Dichloroethene	0.000		0	N.D.		
14) 7051 Acetone	7.859	43	232735	1.54	UG/M3	<1098 blk
15) 7024 Isopropanol	8.115	45	36640	0.23	UG/M3	<57051K
16) 7052 Carbon Disulfide	8.250	76	4576	0.02	UG/M3#	75
17) 7026 3-Chloropropene (...)	0.000		0	N.D.		
18) 7045 Methylene Chloride	8.642	49	9137	0.11	UG/M3	89
19) 7020 Acrylonitrile	0.000		0	N.D.		
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.		
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.		
22) 7016 Hexane	9.633	57	9521	0.06	UG/M3#	63
23) 7055 1,1-Dichloroethane	0.000		0	N.D.		
24) 7028 Vinyl Acetate	0.000		0	N.D.		
25) 7058 Methyl Ethyl Ketone	10.801	72	18676	0.42	UG/M3#	79
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.		
27) 7029 Ethyl Acetate	0.000		0	N.D.		
28) 7065 Chloroform	11.303	83	3120	0.03	UG/M3#	17
29) 7032 Tetrahydrofuran	0.000		0	N.D.		
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.		
32) 7013 Cyclohexane	0.000		0	N.D.		
33) 7080 Carbon Tetrachloride	11.957	117	23047	0.24	UG/M3	95
34) 7070 1,2-Dichloroethane	12.257	62	3025	0.04	UG/M3#	49
35) 7105 Benzene	12.275	78	86375	0.28	UG/M3	100
36) 7036 Isooctane (2,2,4-...	12.392	57	8722	0.03	UG/M3#	78
37) 7038 Heptane	12.667	43	7438	0.06	UG/M3#	17
38) 7100 Trichloroethene	0.000		0	N.D.		
39) 7090 1,2-Dichloropropane	0.000		0	N.D.		
40) 7043 1,4-Dioxane	0.000		0	N.D.		
41) 7085 Bromodichloromethane	0.000		0	N.D.		
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.		

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 Data File : 1102049-DUP1.D
 Acq On : 7 Feb 2011 9:19 pm
 Operator : FW
 Sample : 1102049-DUP1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

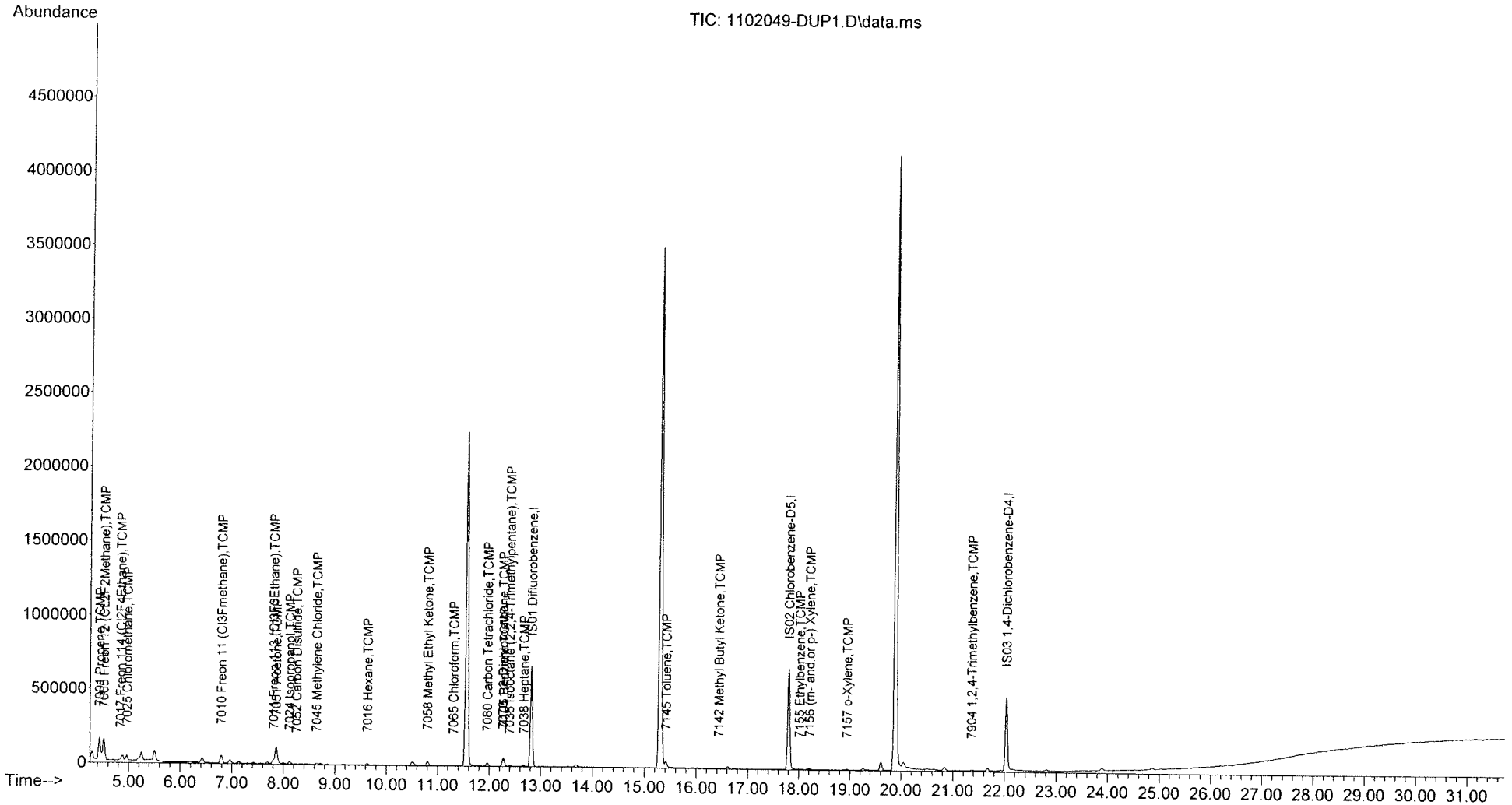
Quant Time: Feb 08 08:01:40 2011
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 Quant Title : TO15
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 Response via : Initial Calibration

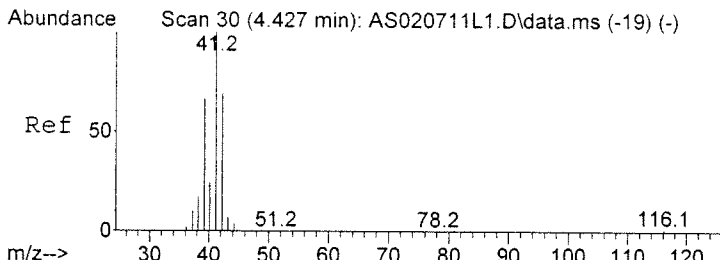
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0	N.D.		
46) 7145 Toluene	15.414	91	46016	0.17	UG/M3	96
47) 7095 trans-1,3-Dichlor...	0.000		0	N.D.		
48) 7115 1,1,2-Trichloroet...	0.000		0	N.D.		
49) 7140 Tetrachloroethene	0.000		0	N.D.		
50) 7142 Methyl Butyl Ketone	16.436	43	3363	0.04	UG/M3#	26
51) 7110 Dibromochloromethane	0.000		0	N.D.		
52) 7720 1,2-Dibromoethane	0.000		0	N.D.		
53) 7150 Chlorobenzene	0.000		0	N.D.		
54) 7155 Ethylbenzene	18.014	91	7674	0.03	UG/M3#	48
55) 7156 (m- and/or p-) Xy...	18.210	91	10170	0.05	UG/M3#	76
56) 7157 o-Xylene	18.944	91	4830	0.02	UG/M3#	28
57) 7158 Styrene	0.000		0	N.D.		
59) 7130 Bromoform	0.000		0	N.D.		
61) 7135 1,1,2,2-Tetrachlo...	0.000		0	N.D.		
62) 7047 4-Ethyltoluene (1...	0.000		0	N.D.		
63) 7902 1,3,5-Trimethylbe...	0.000		0	N.D.		
64) 7904 1,2,4-Trimethylbe...	21.360	105	6140	0.03	UG/M3#	28
65) 7195 1,3-Dichlorobenzene	0.000		0	N.D.		
66) 7200 1,4-Dichlorobenzene	0.000		0	N.D.		
67) 7063 Benzyl Chloride	0.000		0	N.D.		
68) 7205 1,2-Dichlorobenzene	0.000		0	N.D.		
69) 7909 1,2,4-Trichlorobe...	0.000		0	N.D.		
70) 7910 Hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : 1102049-DUP1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

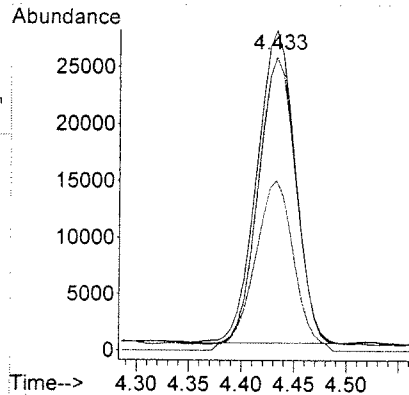
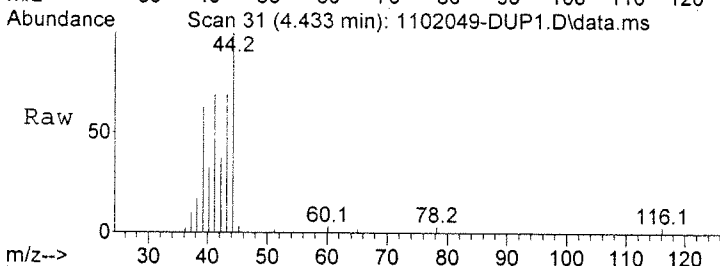
Quant Time: Feb 08 08:01:40 2011
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 Quant Title : TO15
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 Response via : Initial Calibration



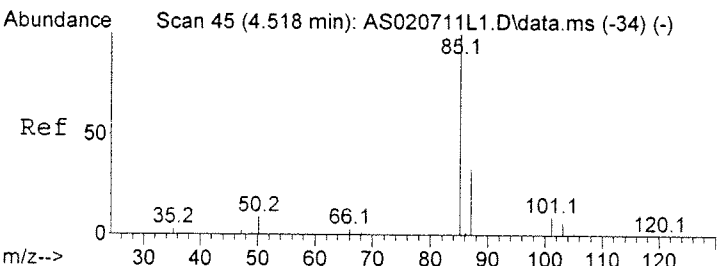
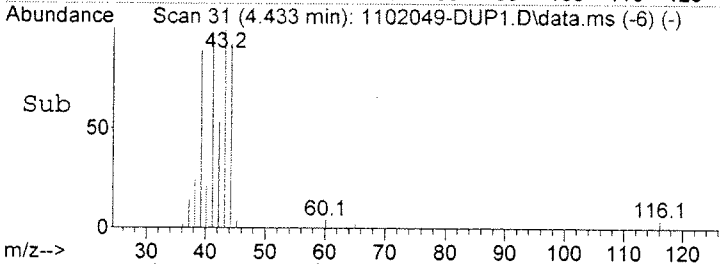


#2
 7001 Propene
 Concen: 0.51 UG/M3
 RT: 4.433 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
41	100		
39	90.4	47.3	87.3#
42	55.6	49.0	89.0

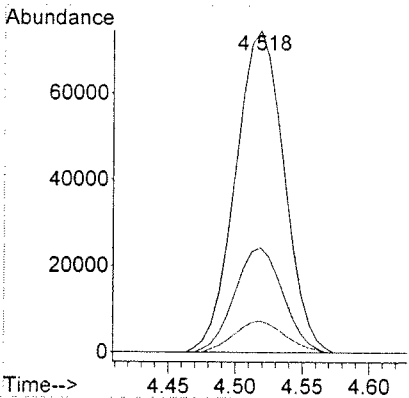
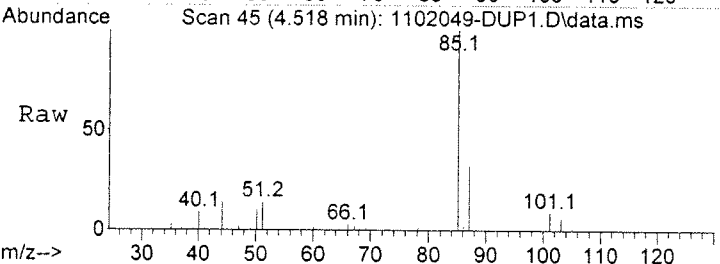


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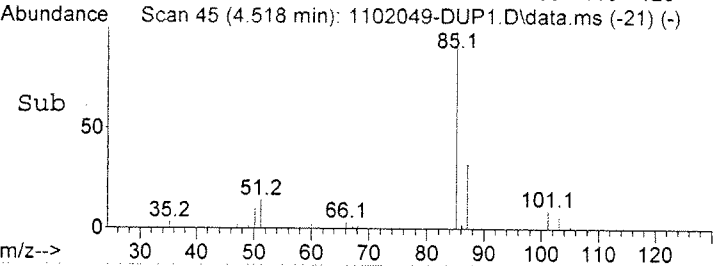


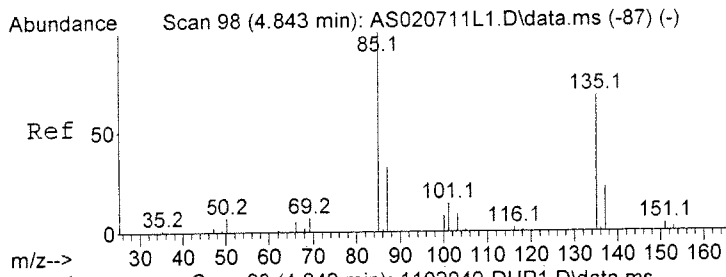
#3
 7005 Freon 12 (CL2F2Methane)
 Concen: 1.13 UG/M3
 RT: 4.518 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	12.7	52.7
50	10.1	0.0	29.1



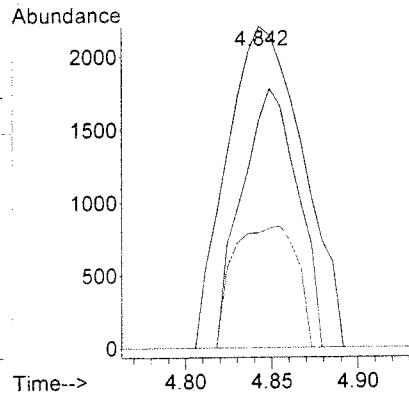
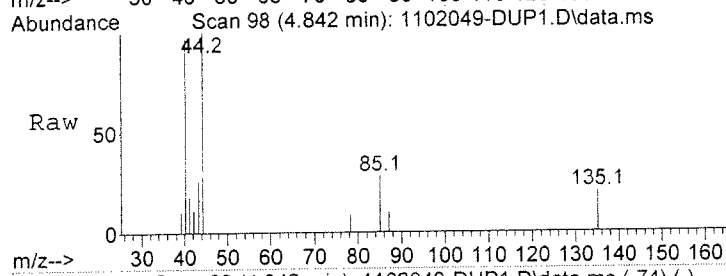
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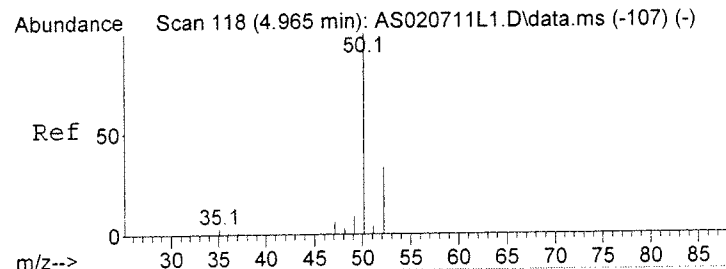
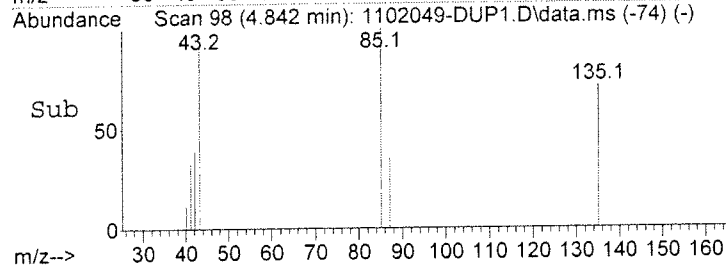


#4
 7017 Freon 114 (Cl2F4Ethane)
 Concen: 0.05 UG/M3
 RT: 4.842 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
85	6721		
85	100		
135	59.5	50.8	90.8
87	0.0	12.6	52.6#

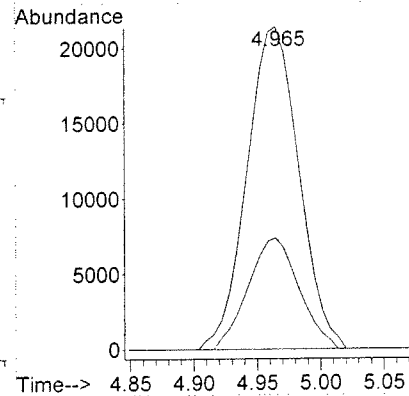
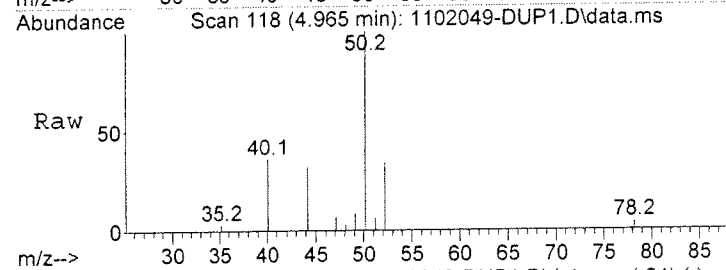


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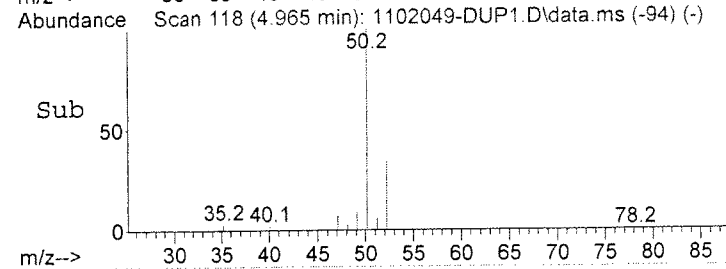


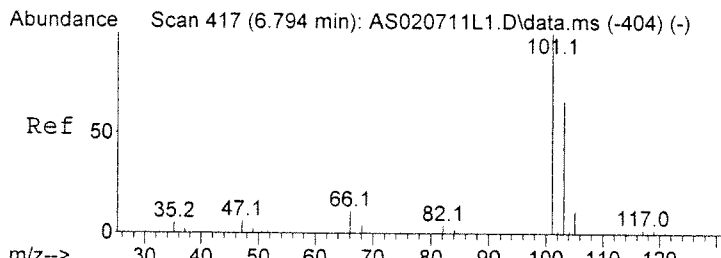
#5
 7025 Chloromethane
 Concen: 0.43 UG/M3
 RT: 4.965 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
50	60820		
50	100		
52	33.8	13.2	53.2



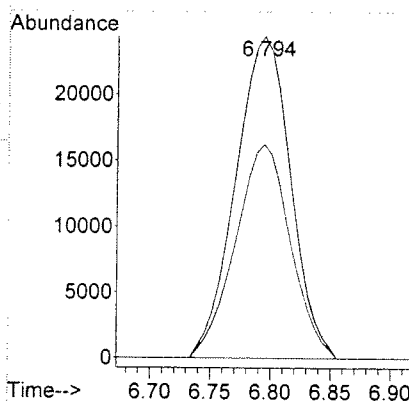
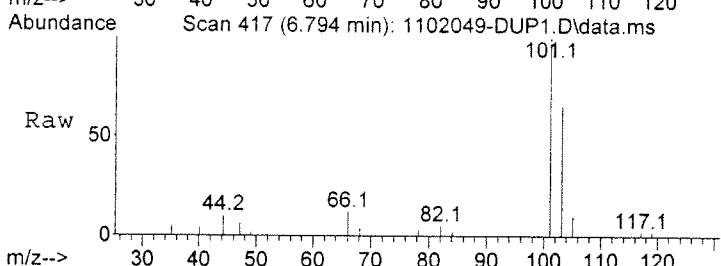
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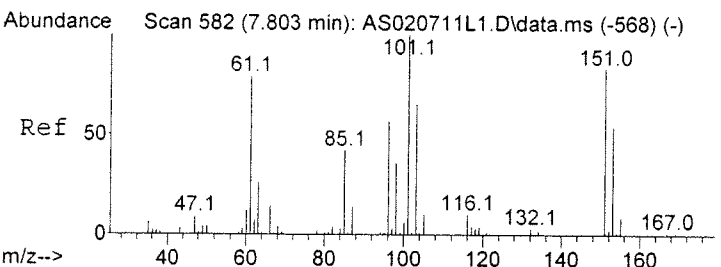
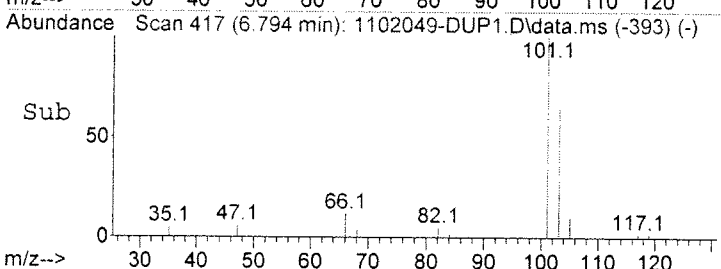


#11
 7010 Freon 11 (Cl3Fmethane)
 Concen: 0.57 UG/M3
 RT: 6.794 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.5	45.1	85.1

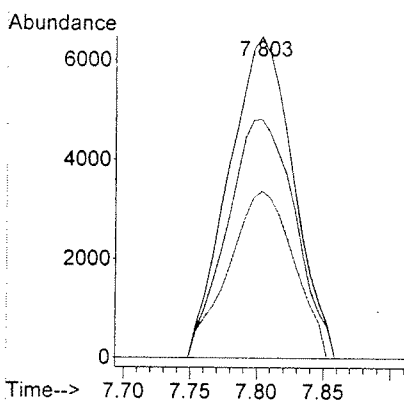
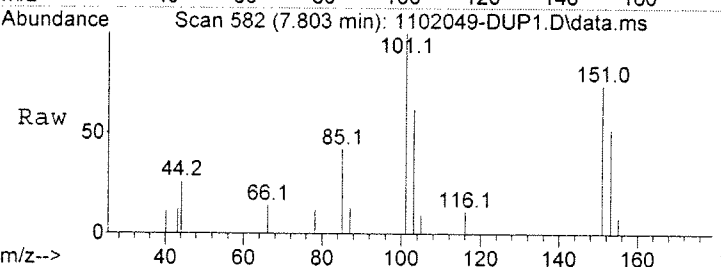


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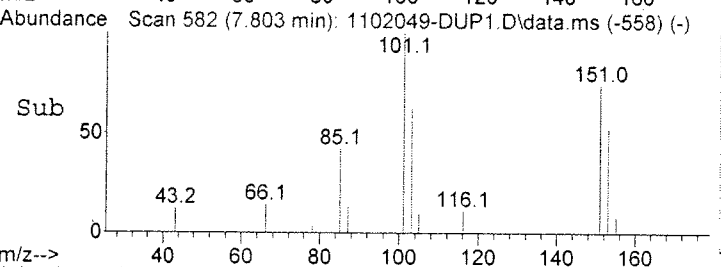


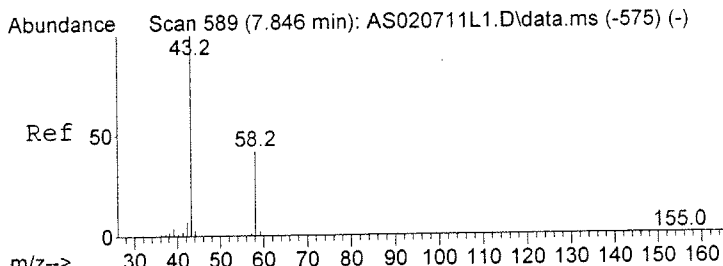
#12
 7011 Freon 113 (Cl3F3Ethane)
 Concen: 0.25 UG/M3
 RT: 7.803 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
101	100		
151	78.1	64.5	104.5
153	52.7	34.2	74.2



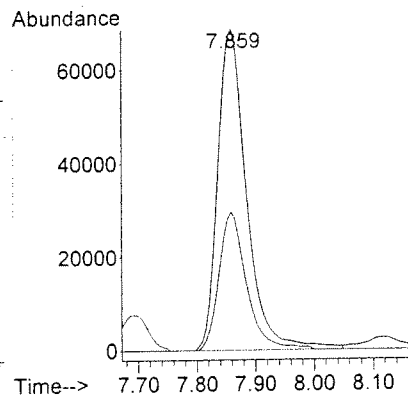
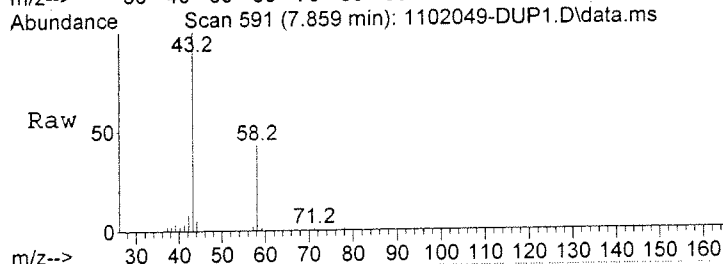
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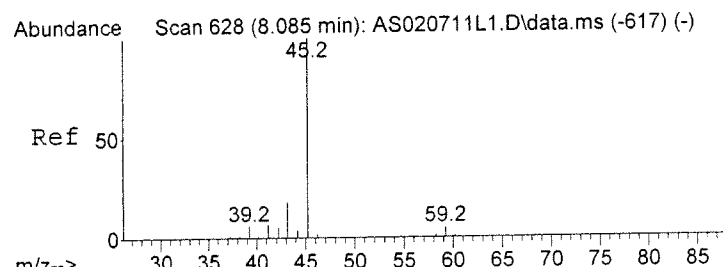
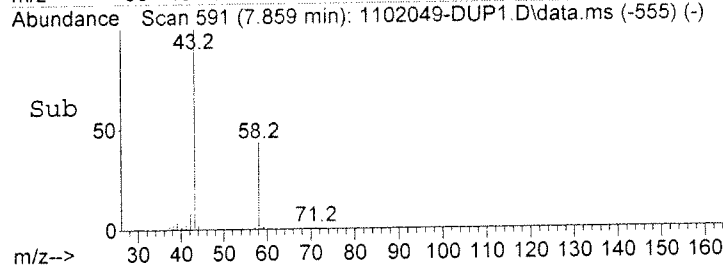


#14
 7051 Acetone
 Concen: 1.54 UG/M3
 RT: 7.859 min Scan# 591
 Delta R.T. 0.018 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	21.6	61.6

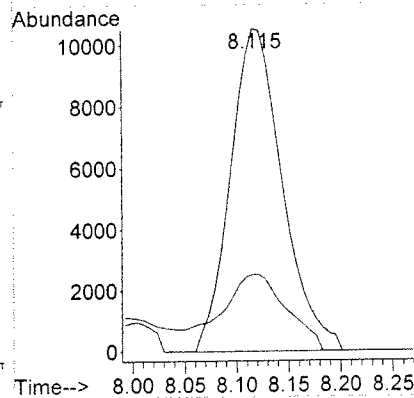
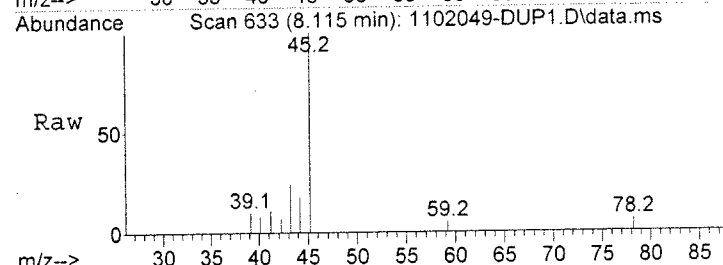


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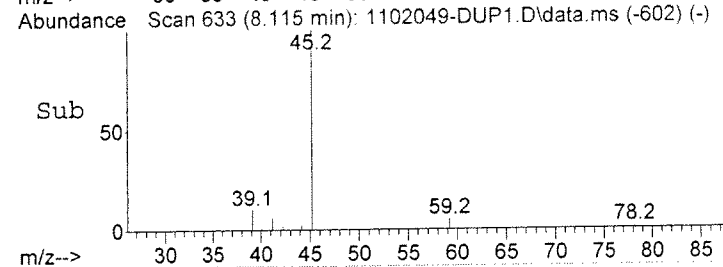


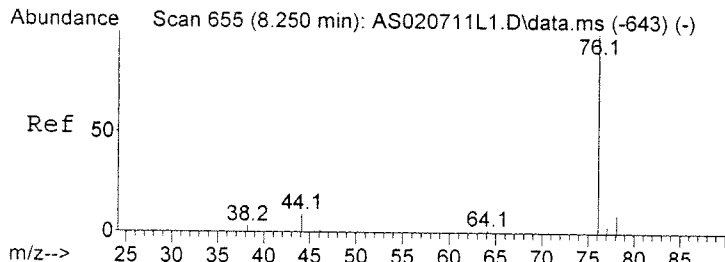
#15
 7024 Isopropanol
 Concen: 0.23 UG/M3
 RT: 8.115 min Scan# 633
 Delta R.T. 0.043 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
45	100		
43	30.7	0.0	37.4



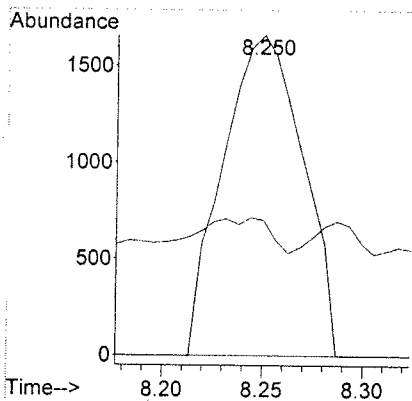
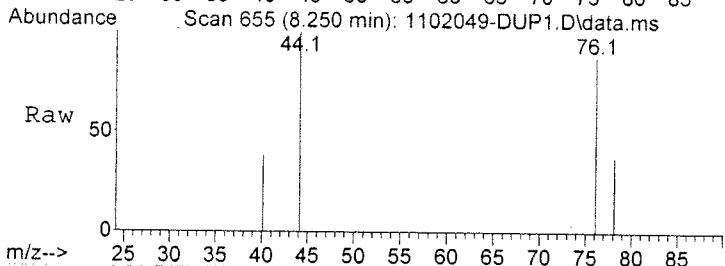
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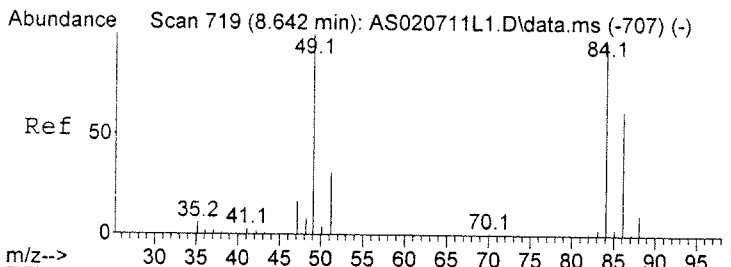
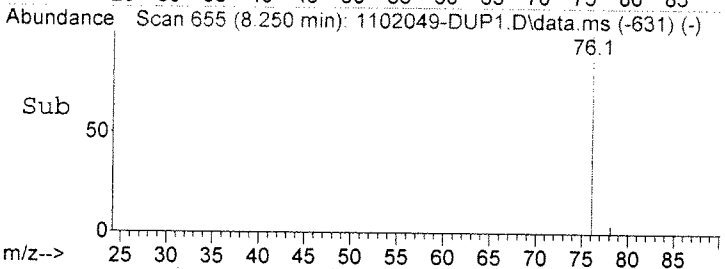


#16
 7052 Carbon Disulfide
 Concen: 0.02 UG/M3
 RT: 8.250 min Scan# 655
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion:	Resp:	Lower	Upper
76	4576	100	
78	0.0	0.0	29.2

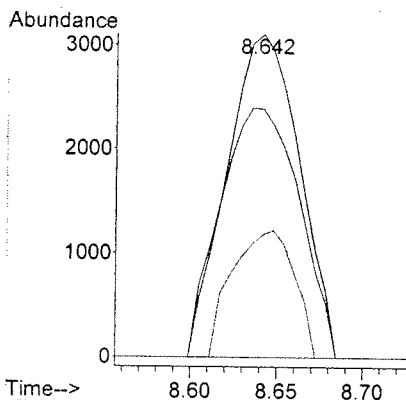
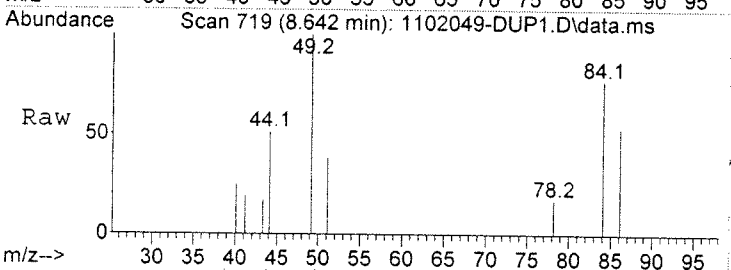


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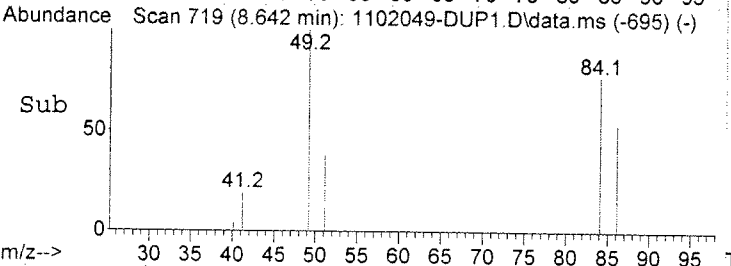


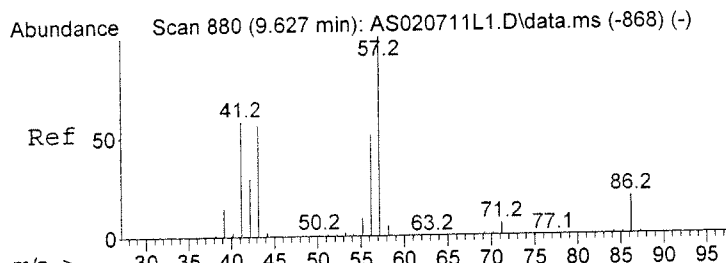
#18
 7045 Methylene Chloride
 Concen: 0.11 UG/M3
 RT: 8.642 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion:	Resp:	Lower	Upper
49	9137	100	
84	82.4	75.6	115.6
51	33.4	11.5	51.5



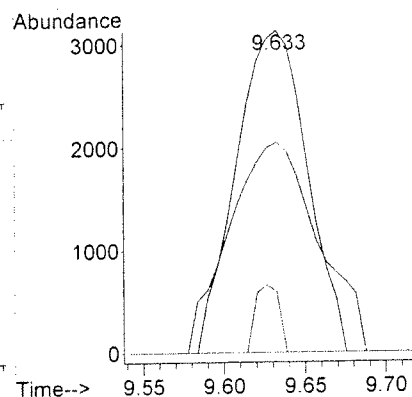
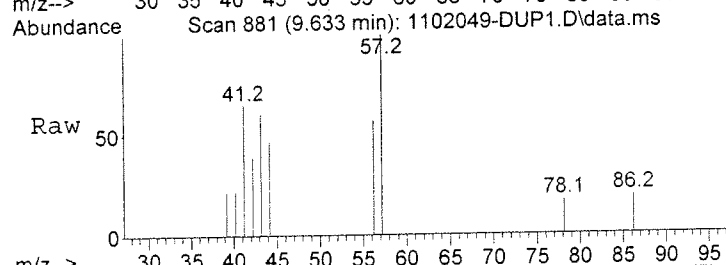
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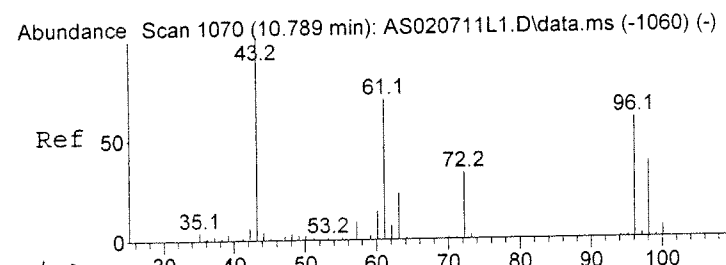
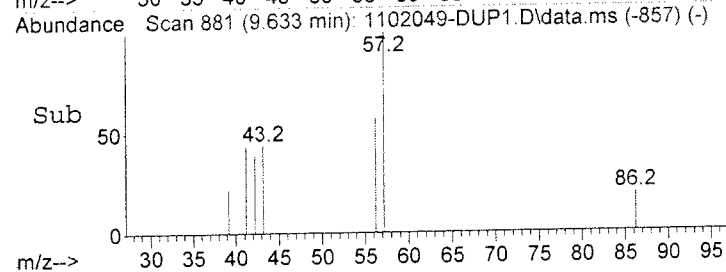


#22
 7016 Hexane
 Concen: 0.06 UG/M3
 RT: 9.633 min Scan# 881
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
57	100		
41	81.7	36.5	76.5#
86	0.0	0.0	39.4

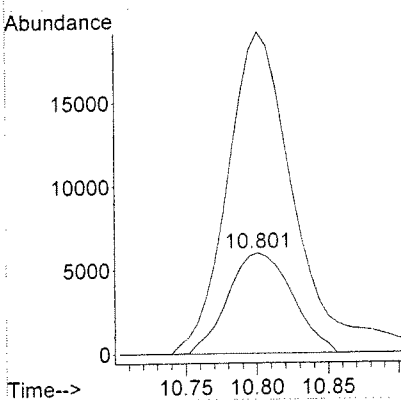
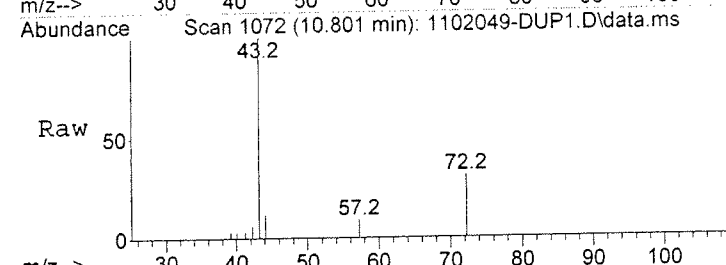


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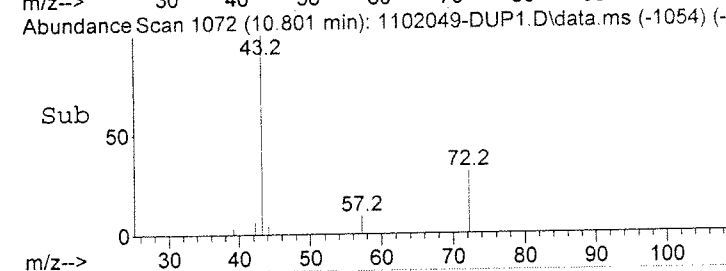


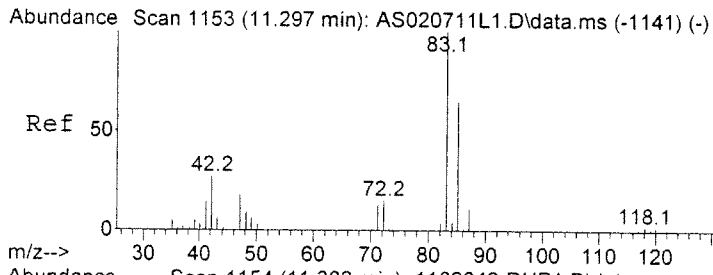
#25
 7058 Methyl Ethyl Ketone
 Concen: 0.42 UG/M3
 RT: 10.801 min Scan# 1072
 Delta R.T. 0.012 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
72	100		
43	337.2	275.8	315.8#

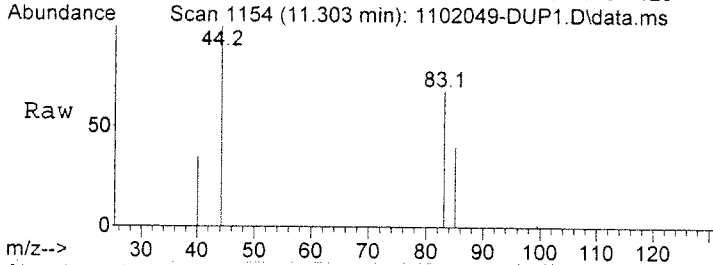


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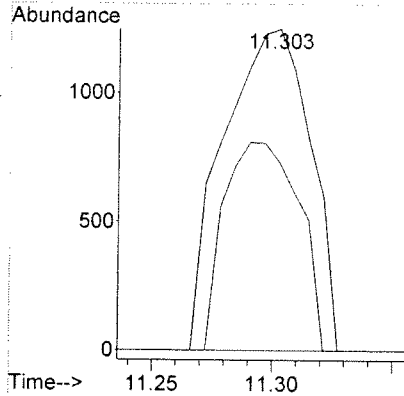
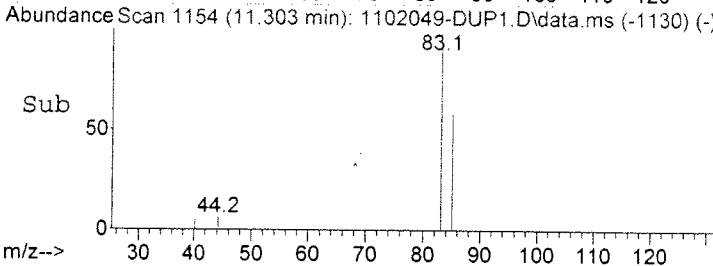




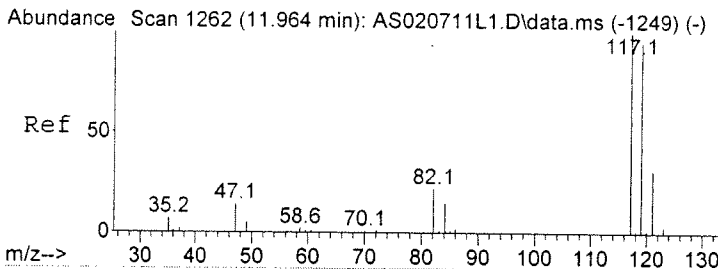
#28
 7065 Chloroform
 Concen: 0.03 UG/M3
 RT: 11.303 min Scan# 1154
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm



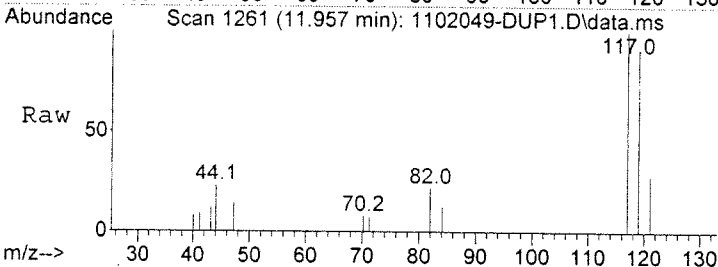
Tgt Ion: 83 Resp: 3120
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.2 85.2#



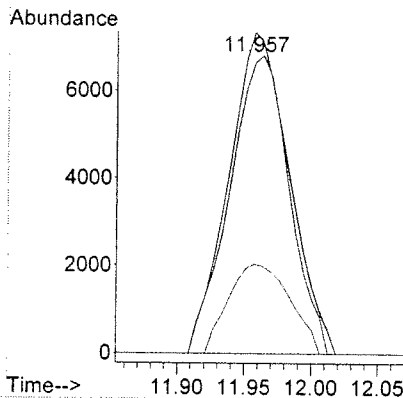
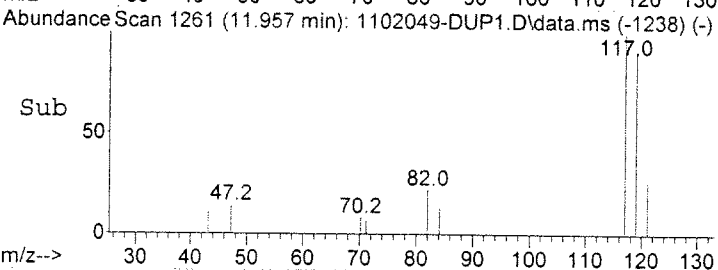
LMDL



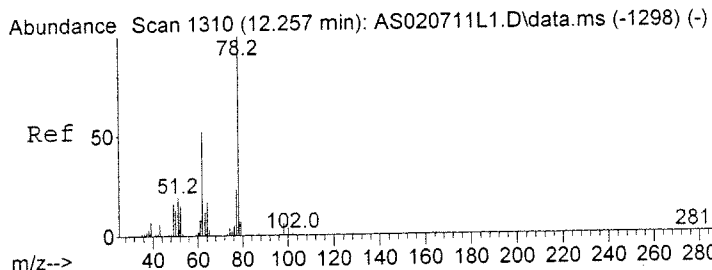
#33
 7080 Carbon Tetrachloride
 Concen: 0.24 UG/M3
 RT: 11.957 min Scan# 1261
 Delta R.T. -0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm



Tgt Ion: 117 Resp: 23047
 Ion Ratio Lower Upper
 117 100
 119 91.1 76.2 116.2
 121 28.1 11.2 51.2

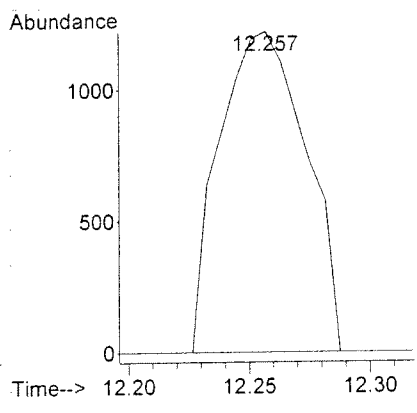
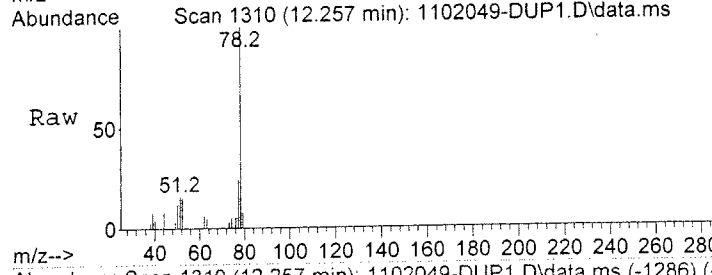


OK

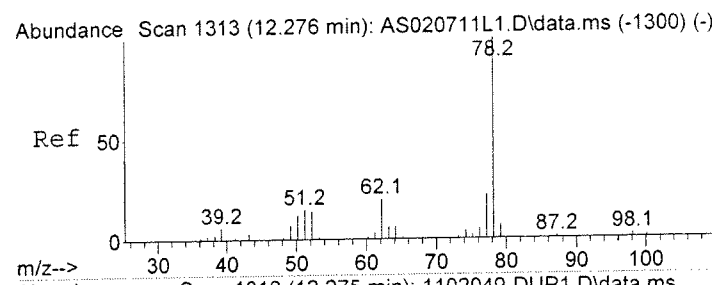
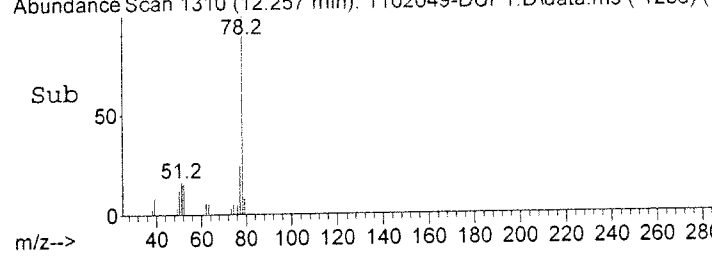


#34
 7070 1,2-Dichloroethane
 Concen: 0.04 UG/M3
 RT: 12.257 min Scan# 1310
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	3025		
64	0.0	12.9	52.9#	
98	0.0	0.0	31.4	

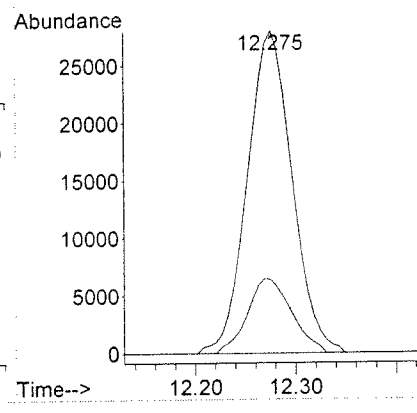
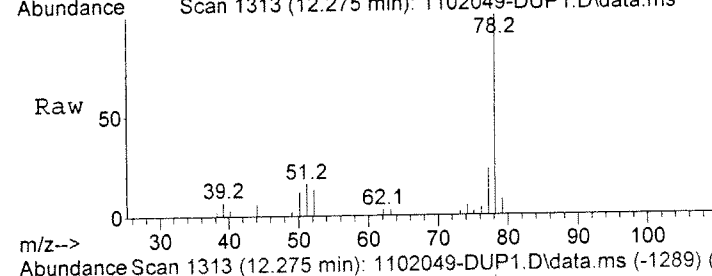


ZML

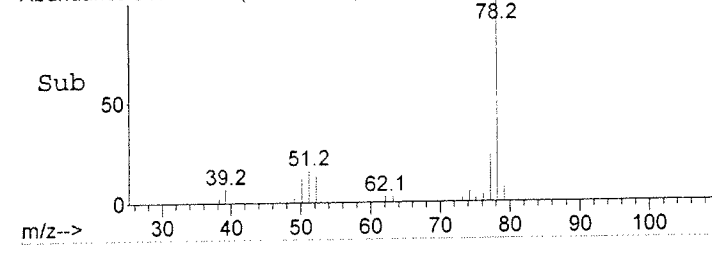


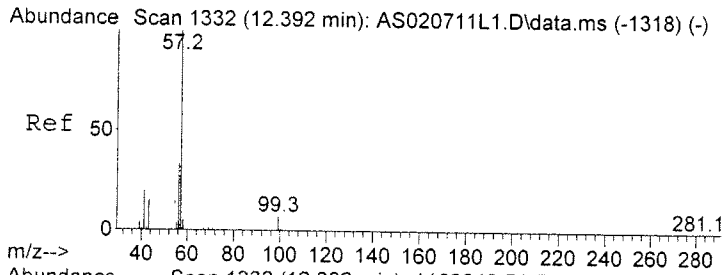
#35
 7105 Benzene
 Concen: 0.28 UG/M3
 RT: 12.275 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	86375		
77	22.7	2.6	42.6	



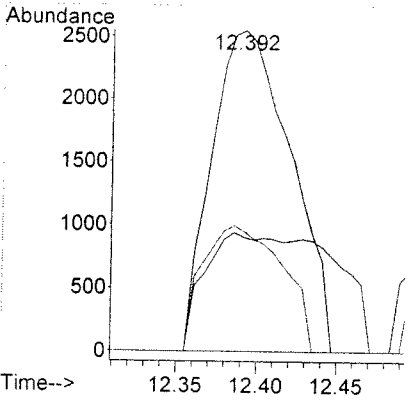
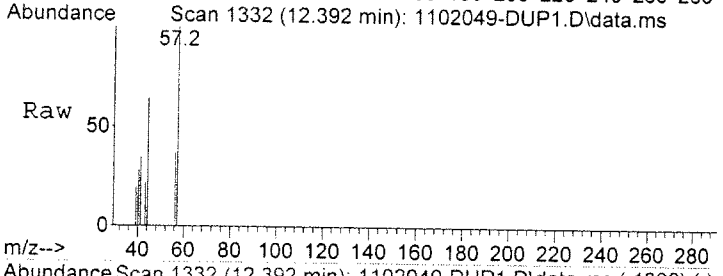
OK



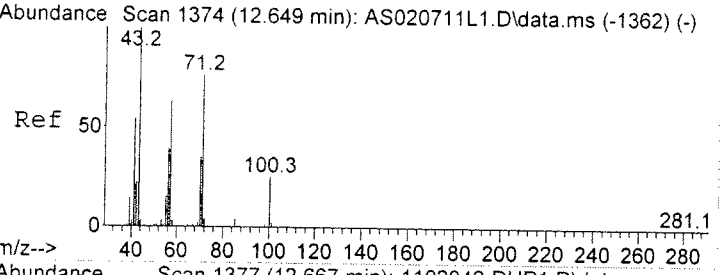
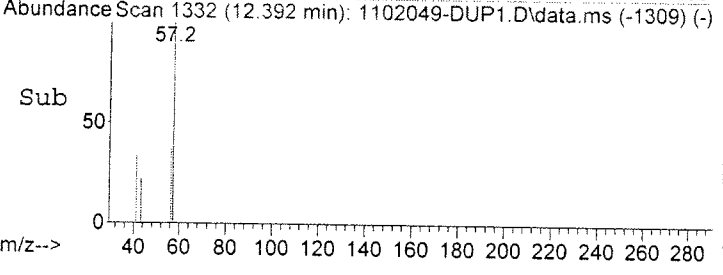


#36
 7036 Isooctane (2,2,4-Trimethylpentane)
 Concen: 0.03 UG/M3
 RT: 12.392 min Scan# 1332
 Delta R.T. -0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	0.1	40.1#
56	39.2	13.6	53.6

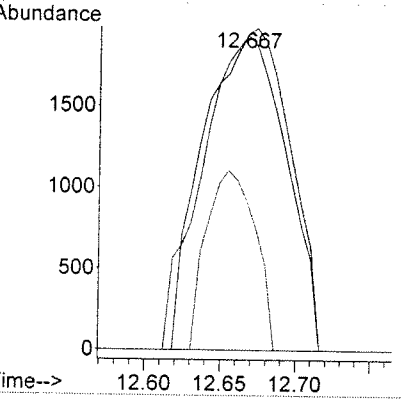
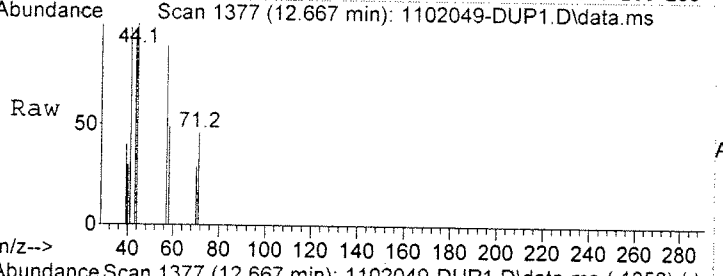


CMDL

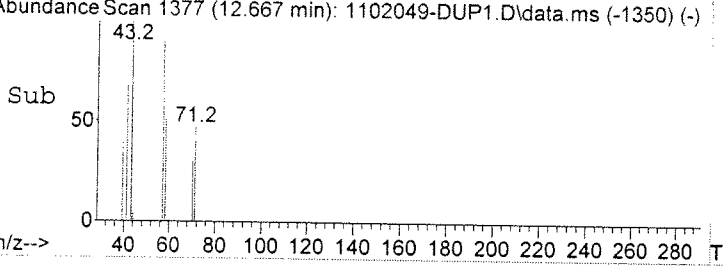


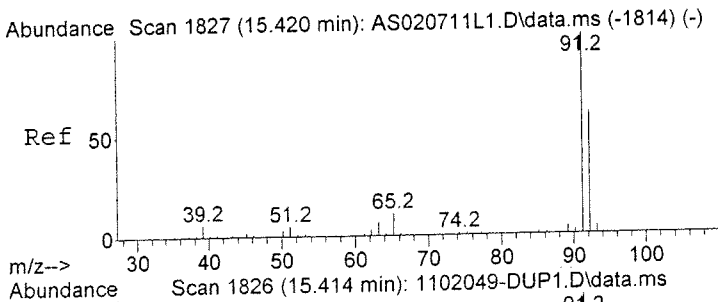
#37
 7038 Heptane
 Concen: 0.06 UG/M3
 RT: 12.667 min Scan# 1377
 Delta R.T. 0.018 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
41	105.4	32.9	72.9#
71	0.0	56.7	96.7#



CMDL

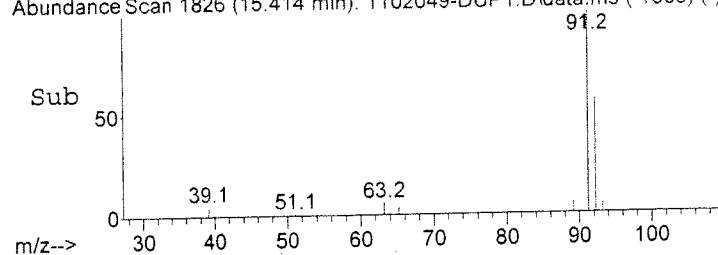
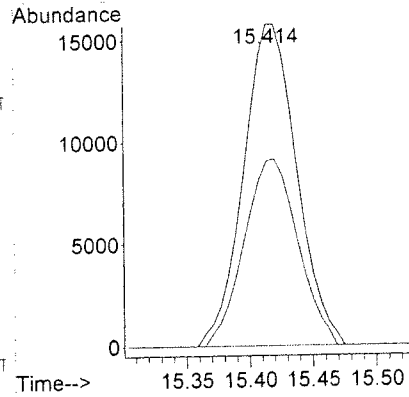
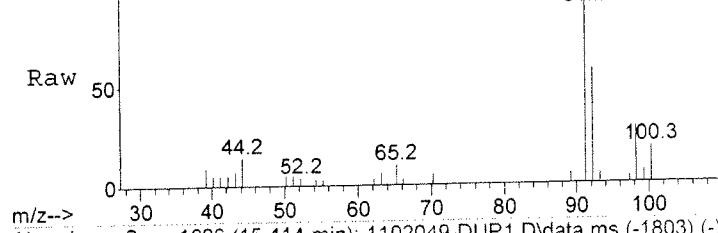




#46
 7145 Toluene
 Concen: 0.17 UG/M3
 RT: 15.414 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
91	46016		
91	100		
92	58.4	41.6	81.6

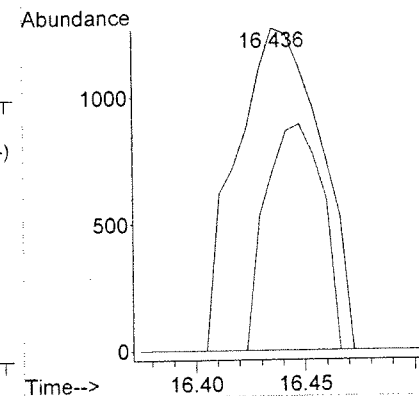
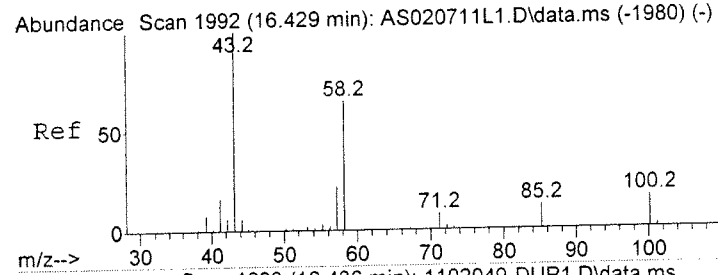
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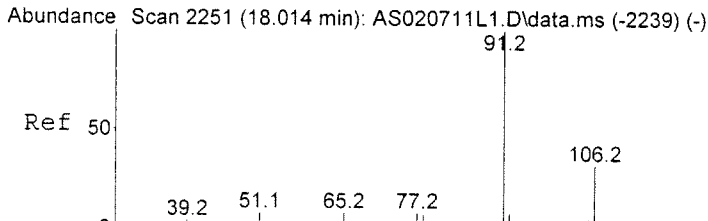


#50
 7142 Methyl Butyl Ketone
 Concen: 0.04 UG/M3
 RT: 16.436 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
43	3363		
43	100		
58	0.0	46.5	86.5#
57	0.0	2.5	42.5#

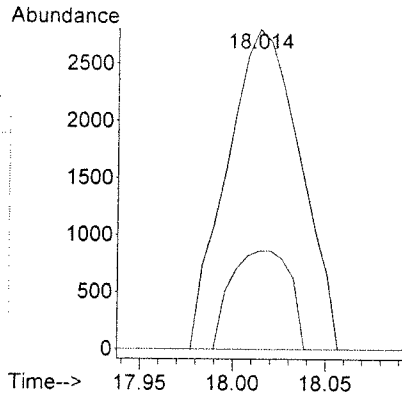
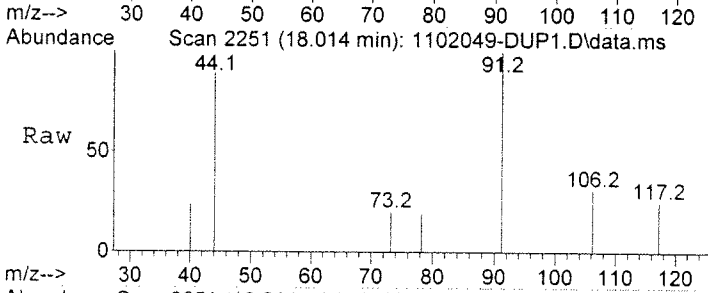
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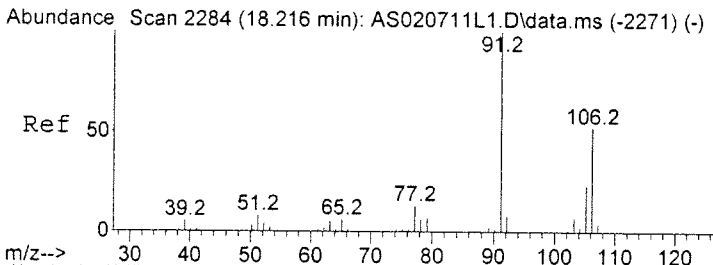
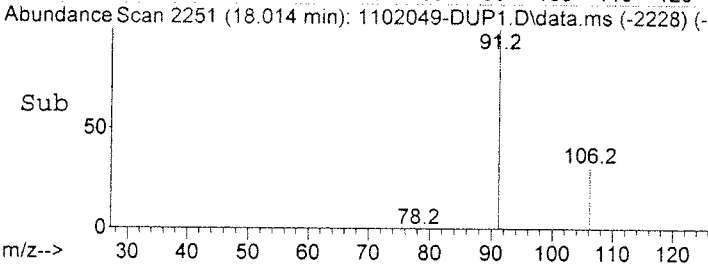


#54
 7155 Ethylbenzene
 Concen: 0.03 UG/M3
 RT: 18.014 min Scan# 2251
 Delta R.T. -0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
91	7674		
106	0.0	13.9	53.9#
51	0.0	0.0	28.0

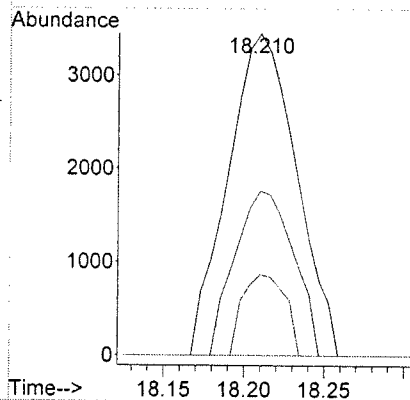
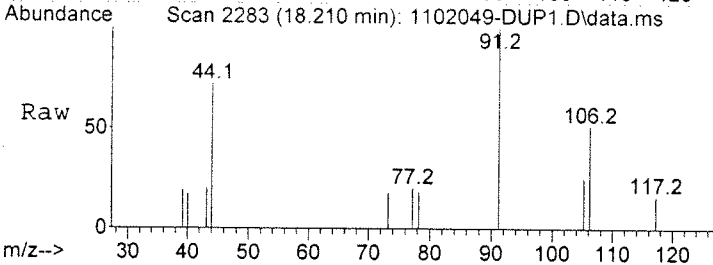


CMDC

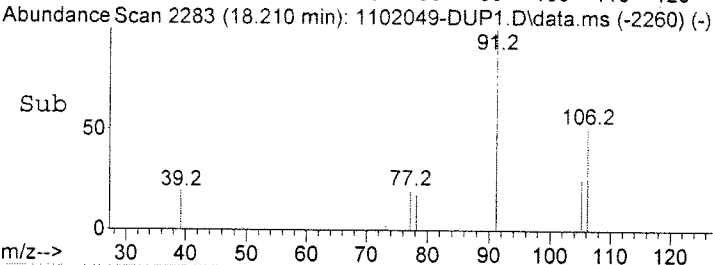


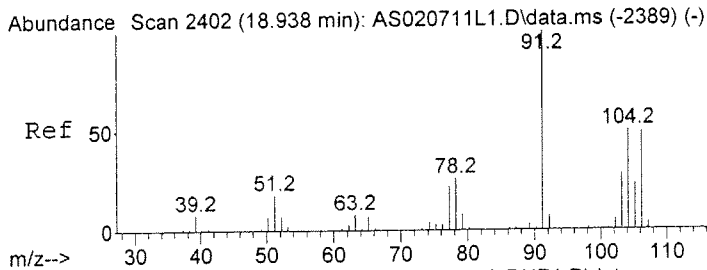
#55
 7156 (m- and/or p-) Xylene
 Concen: 0.05 UG/M3
 RT: 18.210 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion	Resp	Lower	Upper
91	10170		
106	43.8	33.6	73.6
105	0.0	3.5	43.5#



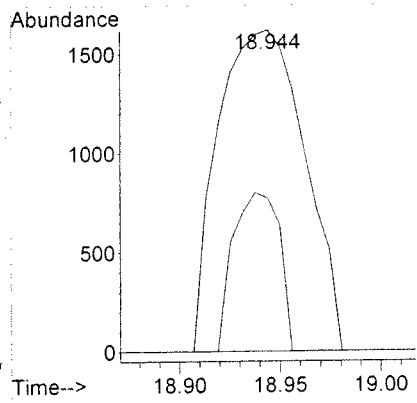
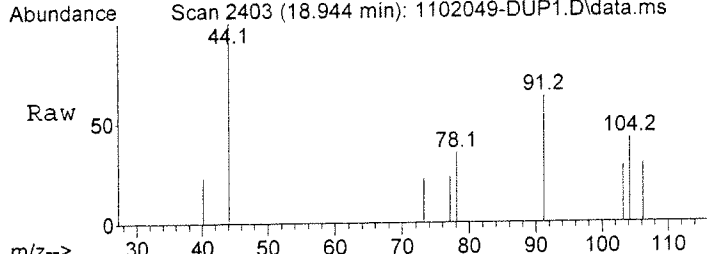
CMDC



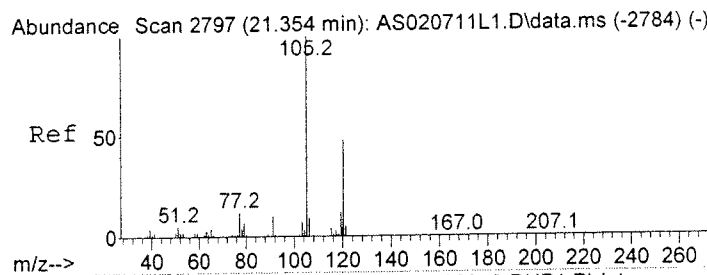
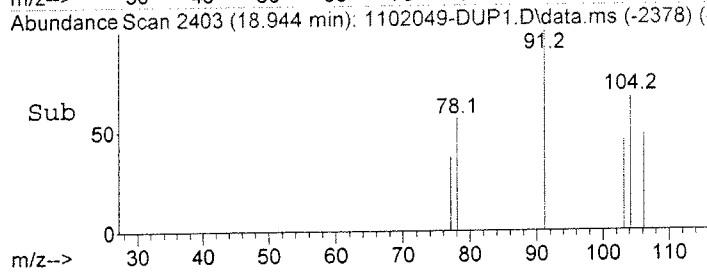


#56
 7157 o-Xylene
 Concen: 0.02 UG/M3
 RT: 18.944 min Scan# 2403
 Delta R.T. 0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion: 91 Resp: 4830
 Ion Ratio Lower Upper
 91 100
 106 0.0 29.7 69.7#

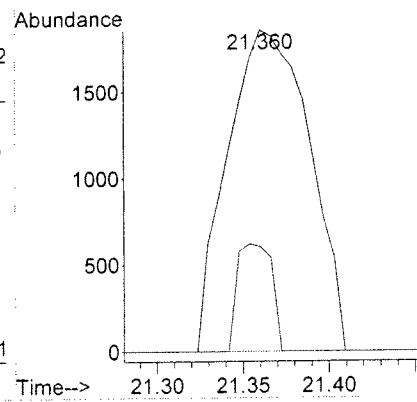
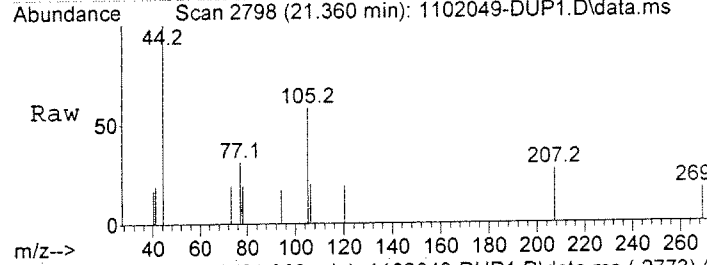


△MDL

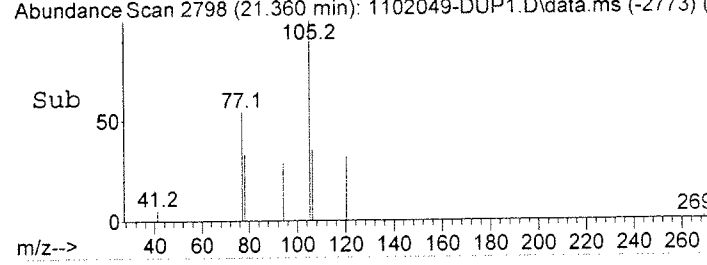


#64
 7904 1,2,4-Trimethylbenzene
 Concen: 0.03 UG/M3
 RT: 21.360 min Scan# 2798
 Delta R.T. 0.006 min
 Lab File: 1102049-DUP1.D
 Acq: 7 Feb 2011 9:19 pm

Tgt Ion: 105 Resp: 6140
 Ion Ratio Lower Upper
 105 100
 120 0.0 28.6 68.6#



△MDL



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-DUP1.D
 Acq On : 7 Feb 2011 9:19 pm
 Operator : FW
 Sample : 1102049-DUP1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.02
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3000 Area counts
 Max Peaks: 3
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020711.M
 Title : TO15

Signal : TIC: 1102049-DUP1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.292	3	8	19	rVB	57331	138478	1.14%	0.361%
2	4.433	19	31	38	rVV	148661	420456	3.45%	1.097%
3	4.518	38	45	59	rVB2	144497	425949	3.49%	1.111%
4	4.873	88	103	110	rBV3	33468	104658	0.86%	0.273%
5	5.246	148	164	175	rBV	56101	190532	1.56%	0.497%
6	5.503	197	206	227	rVB	76023	257659	2.11%	0.672%
7	6.421	346	356	371	rVB2	32363	111374	0.91%	0.290%
8	6.794	406	417	431	rVB	53104	171118	1.40%	0.446%
9	7.859	573	591	608	rBV	115253	454351	3.72%	1.185%
10	10.507	1009	1024	1038	rBV5	23776	101395	0.83%	0.264%
11	10.801	1062	1072	1094	rVB	30357	103487	0.85%	0.270%
12	11.554	1182	1195	1223	rBV	2255827	6921245	56.74%	18.050%
13	12.276	1297	1313	1325	rBV	56472	173644	1.42%	0.453%
14	12.820	1387	1402	1424	rBV	677310	1977730	16.21%	5.158%
15	15.304	1794	1808	1821	rBV2	3519487	10592564	86.84%	27.625%
16	15.414	1821	1826	1840	rVB	44652	133032	1.09%	0.347%
17	17.800	2203	2216	2234	rBV	678816	2001786	16.41%	5.221%
18	19.605	2501	2511	2524	rVB	56222	170239	1.40%	0.444%
19	19.886	2537	2557	2575	rBV	4158665	12198031	100.00%	31.812%
20	20.045	2575	2583	2596	rVB	39860	162171	1.33%	0.423%
21	22.033	2897	2908	2943	rBV	496376	1533902	12.57%	4.000%

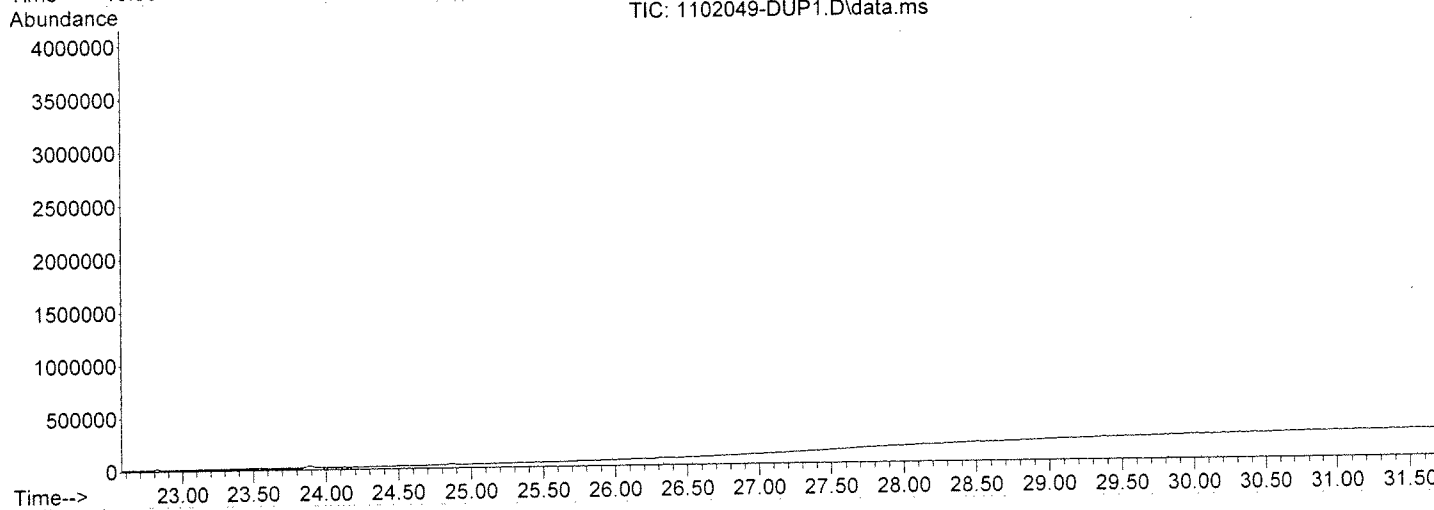
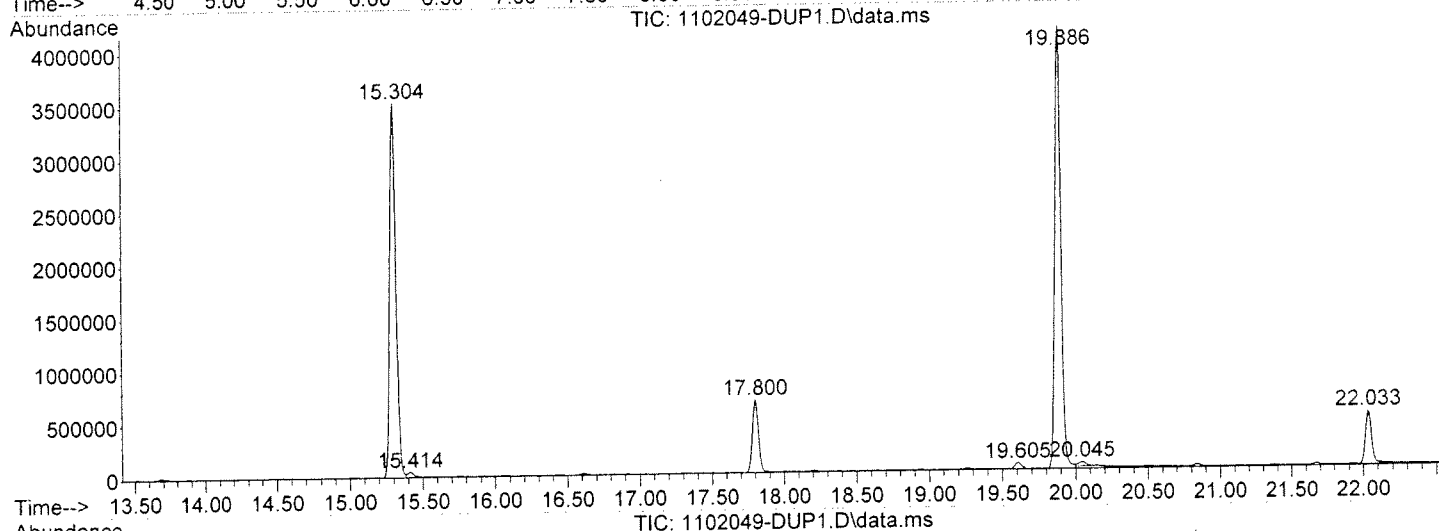
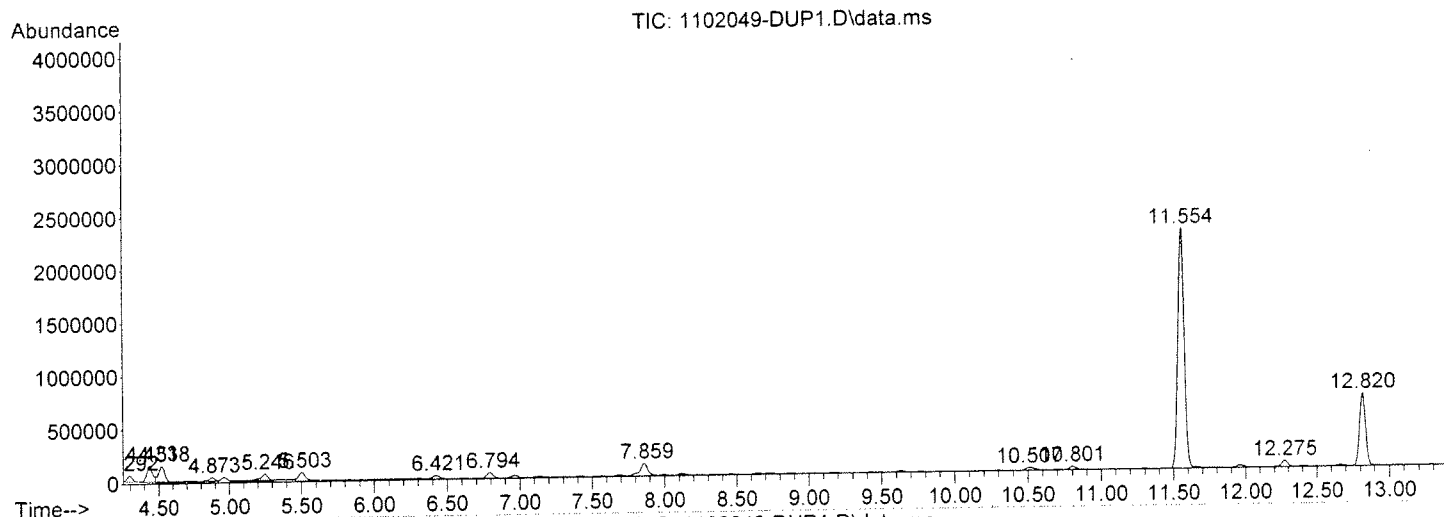
Sum of corrected areas: 38343801

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020711\
Data File : 1102049-DUP1.D
Acq On : 7 Feb 2011 9:19 pm
Operator : FW
Sample : 1102049-DUP1
Misc : can5928,500cc,ip=13.3,fp=30
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-DUP1.D
 Acq On : 7 Feb 2011 9:19 pm
 Operator : FW
 Sample : 1102049-DUP1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Acetaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.503	3.10 UG/M3	257659	IS01 Difluorobenzene	12.820

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Ethylene oxide	44	C2H4O	000075-21-8	5
3	Propane	44	C3H8	000074-98-6	4
4	1-Propanol, 2-amino-	75	C3H9NO	000078-91-1	4
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	4

 Peak Number 2 Cyclotetrasiloxane, octamet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.045	3.17 UG/M3	162171	IS03 1,4-Dichlorobenzene-D4	22.033

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
2	5H-Naphtho[2,3-c]carbazole, 5-me...	281	C21H15N	100025-44-3	40
3	11H-Dibenzo[b,e][1,4]diazepin-11...	281	C17H19N3O	013450-70-9	37
4	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	9
5	3,6-Bis(N-dimethylamino)-9-ethyl...	281	C18H23N3	057103-04-5	9

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-DUP1.D
 Acq On : 7 Feb 2011 9:19 pm
 Operator : FW
 Sample : 1102049-DUP1
 Misc : can5928,500cc,ip=13.3,fp=30
 ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
acetaldehyde	5.503	3.1	UG/M3	257659	1	12.820	1977730	23.8
lyclotetrasilox...	20.045	3.2	UG/M3	162171	3	22.033	1533900	30.0

InstName : V 5973va1
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BLK1.D
 Acq On : 8 Feb 2011 6:50 am
 Operator : FW
 Sample : 1102049-BLK1
 Misc : can2771, 500cc, ip=13.5, fp=30
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 08 07:29:19 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) IS01 Difluorobenzene	12.814	114	1019222	23.80	UG/M3	0.00	
42) IS02 Chlorobenzene-D5	17.800	117	751171	23.90	UG/M3	0.00	
58) IS03 1,4-Dichlorobenze...	22.033	152	278511	30.00	UG/M3	0.00	
System Monitoring Compounds							
30) SS17 Dibromofluoromethane	0.000	111	0	0.00	% Rec		
45) SS11 Toluene-D8	0.000	98	0	0.00	% Rec		
60) SS19 p-Bromofluorobenzene	0.000	174	0	0.00	% Rec		
Target Compounds							
2) 7001 Propene	4.426	41	31961	0.22	UG/M3		88
3) 7005 Freon 12 (Cl2F2Me...	4.518	85	5947	0.03	UG/M3#		49
4) 7017 Freon 114 (Cl2F4E...	0.000		0	N.D.			
5) 7025 Chloromethane	0.000		0	N.D.			
6) 7035 Vinyl Chloride	0.000		0	N.D.			
7) 7018 1,3-Butadiene	0.000		0	N.D.			
8) 7030 Bromomethane	0.000		0	N.D.			
9) 7040 Chloroethane	0.000		0	N.D.			
10) 7008 Vinyl Bromide (Br...	0.000		0	N.D.			
11) 7010 Freon 11 (Cl3Fmet...	0.000		0	N.D.			
12) 7011 Freon 113 (Cl3F3E...	0.000		0	N.D.			
13) 7050 1,1-Dichloroethene	0.000		0	N.D.			
14) 7051 Acetone	7.877	43	35764	0.22	UG/M3		99
15) 7024 Isopropanol	0.000		27388	N.D.	0.16 ug/m3		
16) 7052 Carbon Disulfide	8.244	76	7625	0.03	UG/M3#		75
17) 7026 3-Chloropropene (...)	0.000		0	N.D.			
18) 7045 Methylene Chloride	0.000		0	N.D.			
19) 7020 Acrylonitrile	0.000		0	N.D.			
20) 7915 Methyl T-Butyl Ether	0.000		0	N.D.			
21) 7060 trans-1,2-Dichlor...	0.000		0	N.D.			
22) 7016 Hexane	0.000		0	N.D.			
23) 7055 1,1-Dichloroethane	0.000		0	N.D.			
24) 7028 Vinyl Acetate	0.000		0	N.D.			
25) 7058 Methyl Ethyl Ketone	0.000		0	N.D.			
26) 7056 cis-1,2-Dichloroe...	0.000		0	N.D.			
27) 7029 Ethyl Acetate	0.000		0	N.D.			
28) 7065 Chloroform	0.000		0	N.D.			
29) 7032 Tetrahydrofuran	0.000		0	N.D.			
31) 7075 1,1,1-Trichloroet...	0.000		0	N.D.			
32) 7013 Cyclohexane	0.000		0	N.D.			
33) 7080 Carbon Tetrachloride	0.000		0	N.D.			
34) 7070 1,2-Dichloroethane	0.000		0	N.D.			
35) 7105 Benzene	12.269	78	8962	0.03	UG/M3#		53
36) 7036 Isooctane (2,2,4-...	12.392	57	3089	N.D.			
37) 7038 Heptane	0.000		0	N.D.			
38) 7100 Trichloroethene	0.000		0	N.D.			
39) 7090 1,2-Dichloropropane	0.000		0	N.D.			
40) 7043 1,4-Dioxane	0.000		0	N.D.			
41) 7085 Bromodichloromethane	0.000		0	N.D.			
43) 7120 cis-1,3-Dichlorop...	0.000		0	N.D.			

*missed peak
 see method for 29-11*
 KT
 2.11.11

Quantitation Report (Not Reviewed)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BLK1.D
 Acq On : 8 Feb 2011 6:50 am
 Operator : FW
 Sample : 1102049-BLK1
 Misc : can2771,500cc,ip=13.5,fp=30
 ALS Vial : 4 Sample Multiplier: 1

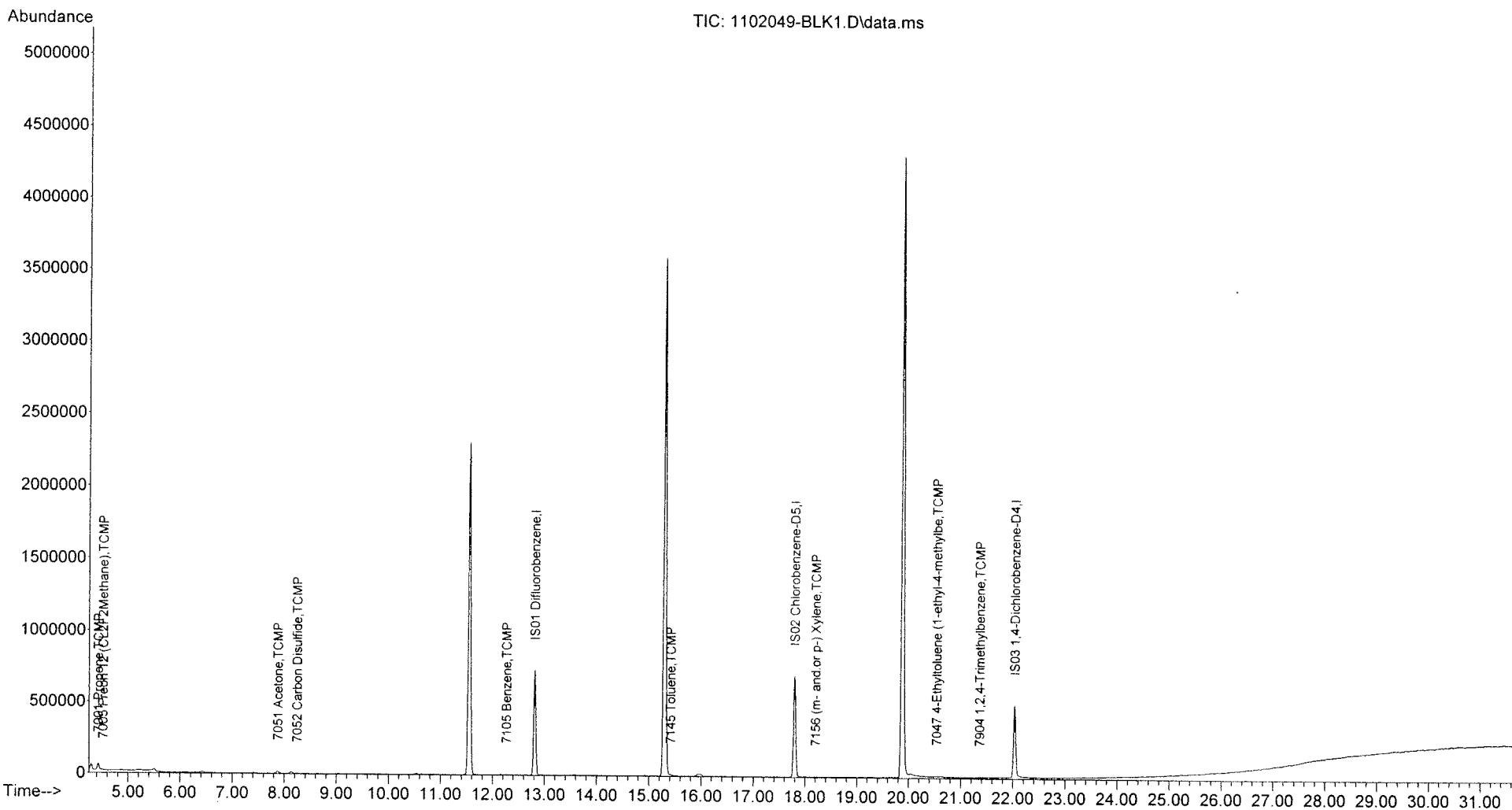
Quant Time: Feb 08 07:29:19 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 7086 Methyl Isobutyl K...	0.000		0		N.D.	
46) 7145 Toluene	15.414	91	9202	0.03	UG/M3	93
47) 7095 trans-1,3-Dichlor...	0.000		0		N.D.	
48) 7115 1,1,2-Trichloroet...	0.000		0		N.D.	
49) 7140 Tetrachloroethene	0.000		0		N.D.	
50) 7142 Methyl Butyl Ketone	0.000		0		N.D.	
51) 7110 Dibromochloromethane	0.000		0		N.D.	
52) 7720 1,2-Dibromoethane	0.000		0		N.D.	
53) 7150 Chlorobenzene	0.000		0		N.D.	
54) 7155 Ethylbenzene	0.000		0		N.D.	
55) 7156 (m- and/or p-) Xy...	18.203	91	5130	0.02	UG/M3#	33
56) 7157 o-Xylene	0.000		0		N.D.	
57) 7158 Styrene	0.000		0		N.D.	
59) 7130 Bromoform	0.000		0		N.D.	
61) 7135 1,1,2,2-Tetrachlo...	0.000		0		N.D.	
62) 7047 4-Ethyltoluene (1...	20.540	105	4754	0.02	UG/M3#	40
63) 7902 1,3,5-Trimethylbe...	0.000		0		N.D.	
64) 7904 1,2,4-Trimethylbe...	21.360	105	3149	0.02	UG/M3#	28
65) 7195 1,3-Dichlorobenzene	0.000		0		N.D.	
66) 7200 1,4-Dichlorobenzene	0.000		0		N.D.	
67) 7063 Benzyl Chloride	0.000		0		N.D.	
68) 7205 1,2-Dichlorobenzene	0.000		0		N.D.	
69) 7909 1,2,4-Trichlorobe...	0.000		0		N.D.	
70) 7910 Hexachlorobutadiene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BLK1.D
 Acq On : 8 Feb 2011 6:50 am
 Operator : FW
 Sample : 1102049-BLK1
 Misc : can2771,500cc,ip=13.5,fp=30
 ALS Vial : 4 Sample Multiplier: 1

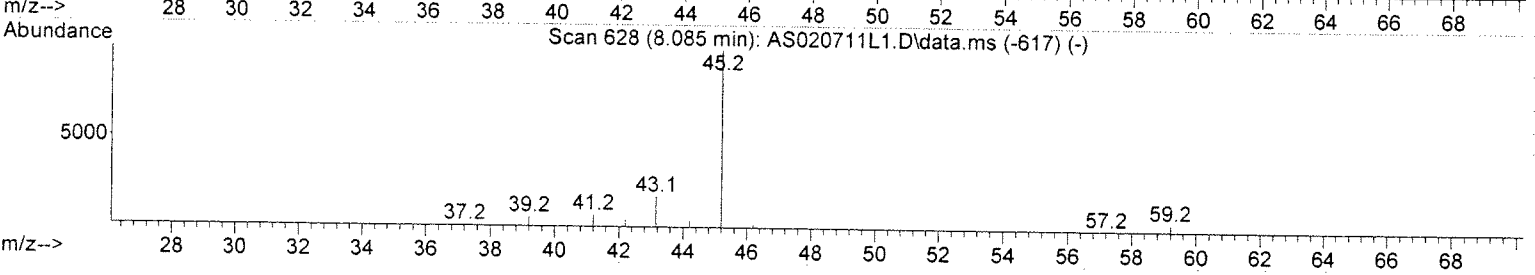
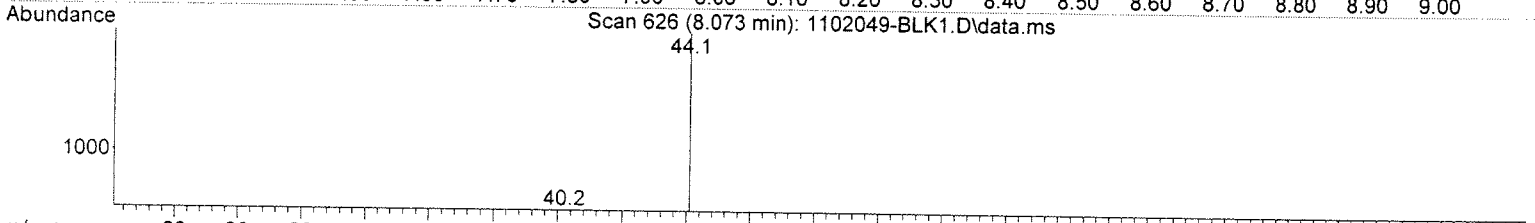
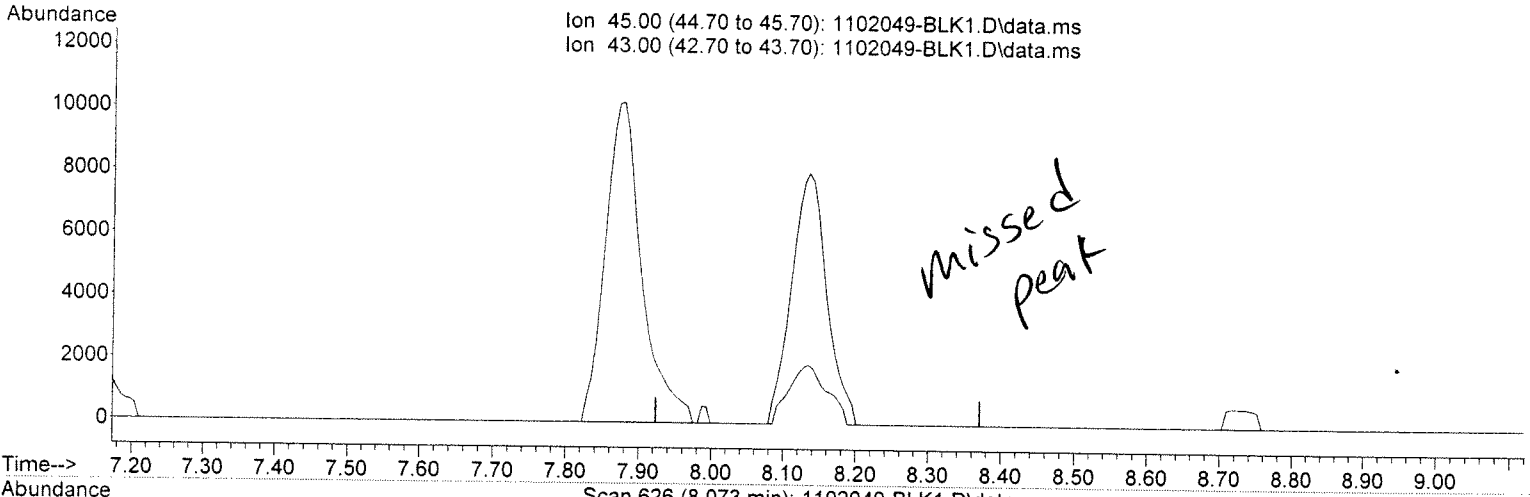
Quant Time: Feb 08 07:29:19 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

InstName : V 5973val
 Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BLK1.D
 Acq On : 8 Feb 2011 6:50 am
 Operator : FW
 Sample : 1102049-BLK1
 Misc : can2771,500cc,ip=13.5,fp=30
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 08 07:29:19 2011
 Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
 Quant Title : TO15
 QLast Update : Mon Feb 07 16:09:09 2011
 Response via : Initial Calibration



TIC: 1102049-BLK1.D\data.ms

(15) 7024 Isopropanol (TCMP)

8.073min (-8.073) 0.00 UG/M3

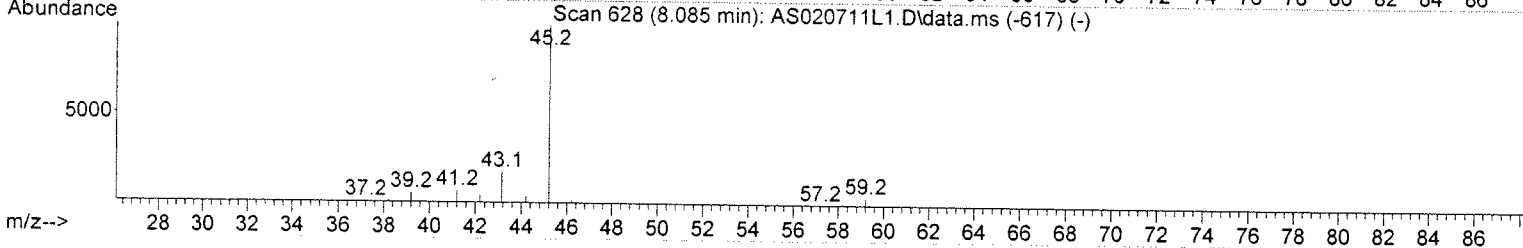
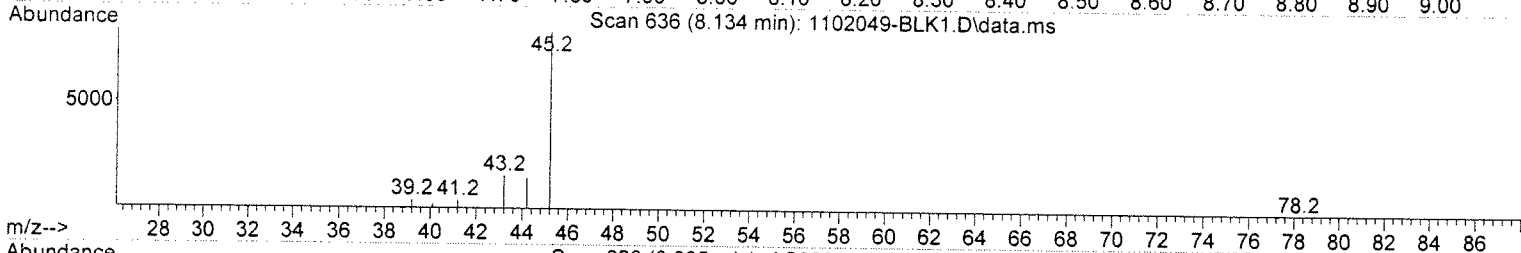
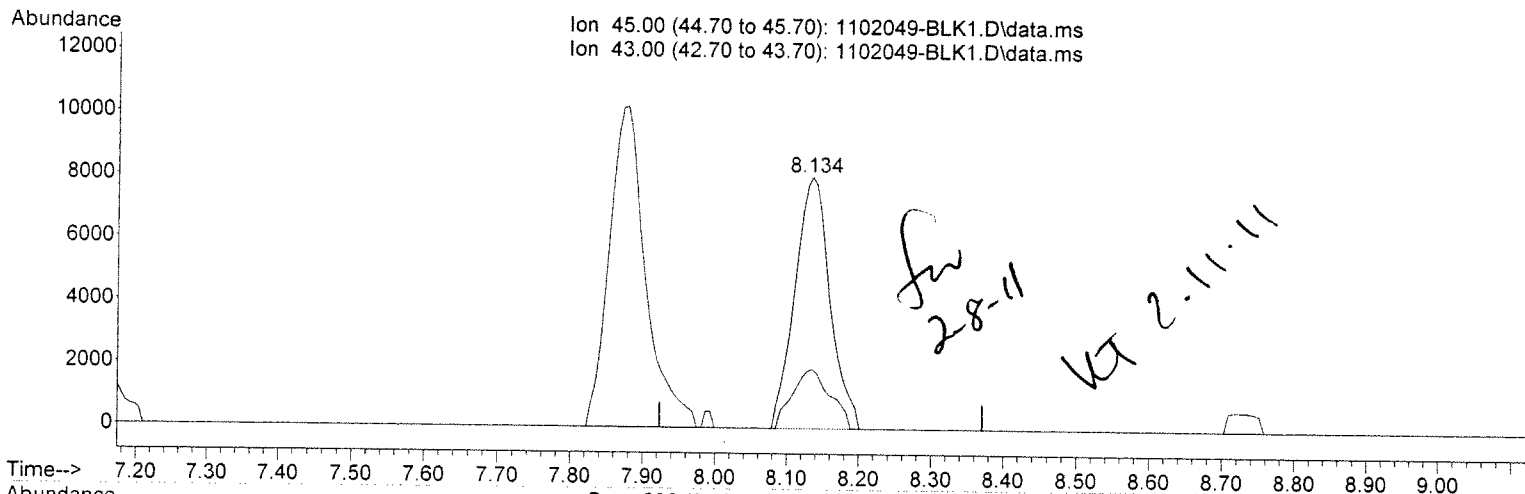
response 0

Ion	Exp%	Act%
45.00	100	0.00
43.00	17.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : V 5973val
Data Path : C:\msdchem\1\DATA\020711\
Data File : 1102049-BLK1.D
Acq On : 8 Feb 2011 6:50 am
Operator : FW
Sample : 1102049-BLK1
Misc : can2771,500cc,ip=13.5,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 08 07:29:19 2011
Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15
QLast Update : Mon Feb 07 16:09:09 2011
Response via : Initial Calibration



TIC: 1102049-BLK1.D\data.ms

(15) 7024 Isopropanol (TCMP)

8.134min (+0.061) 0.16 UG/M3 m

response 27388

Ion	Exp%	Act%
45.00	100	100
43.00	17.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\020711\
 Data File : 1102049-BLK1.D
 Acq On : 8 Feb 2011 6:50 am
 Operator : FW
 Sample : 1102049-BLK1
 Misc : can2771,500cc,ip=13.5,fp=30
 ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 3000 Area counts
 Start Thrs: 0.02 Max Peaks: 3
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\TO15_020711.M
 Title : TO15

Signal : TIC: 1102049-BLK1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.426	21	30	41	rBV3	45347	120764	0.97%	0.335%
2	11.554	1180	1195	1230	rBV	2304579	7011207	56.16%	19.432%
3	12.814	1387	1401	1416	rBV	730605	2115383	16.94%	5.863%
4	15.298	1792	1807	1845	rBV2	3592687	10768842	86.25%	29.846%
5	17.800	2202	2216	2239	rBV	705192	2057445	16.48%	5.702%
6	19.880	2538	2556	2578	rBV	4310317	12485343	100.00%	34.604%
7	22.027	2895	2907	2932	rBV	501832	1521882	12.19%	4.218%

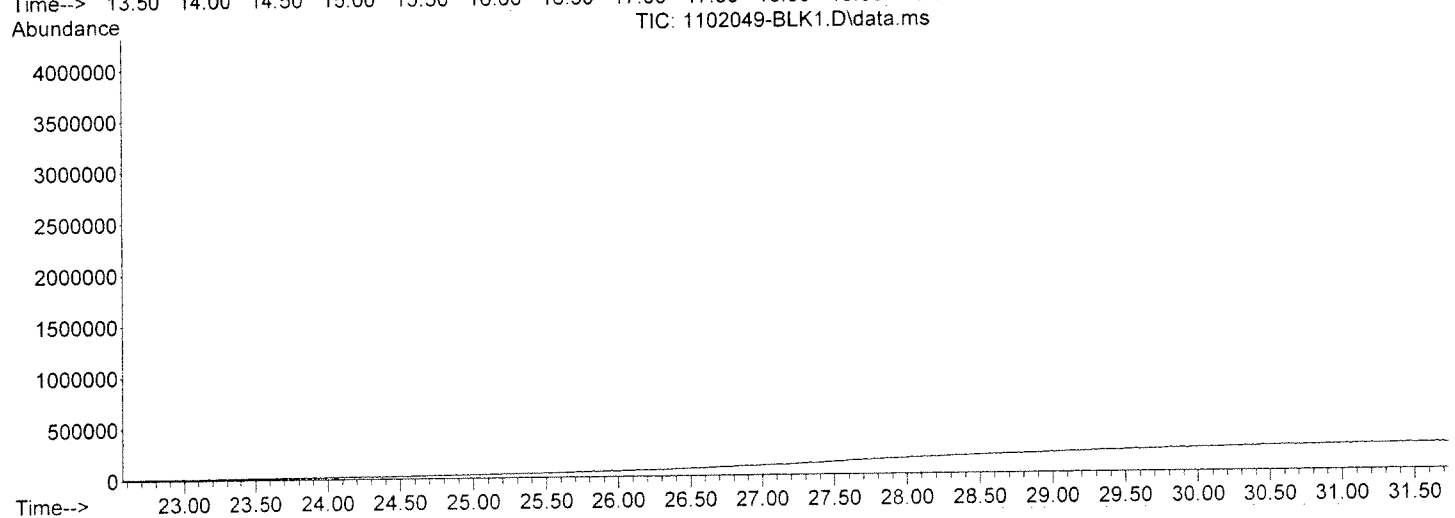
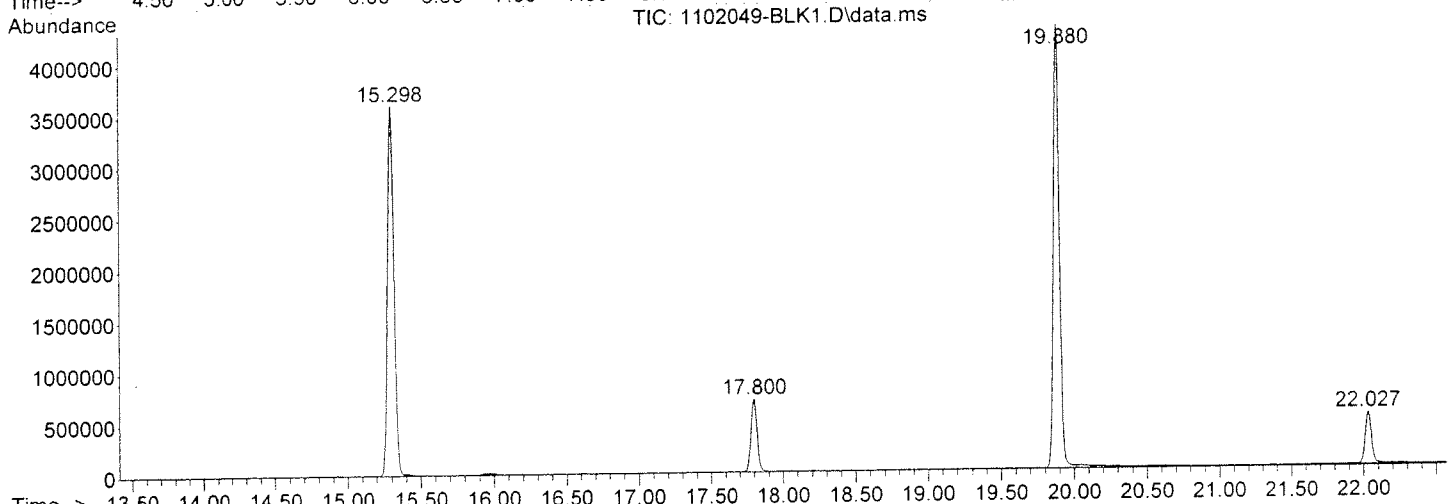
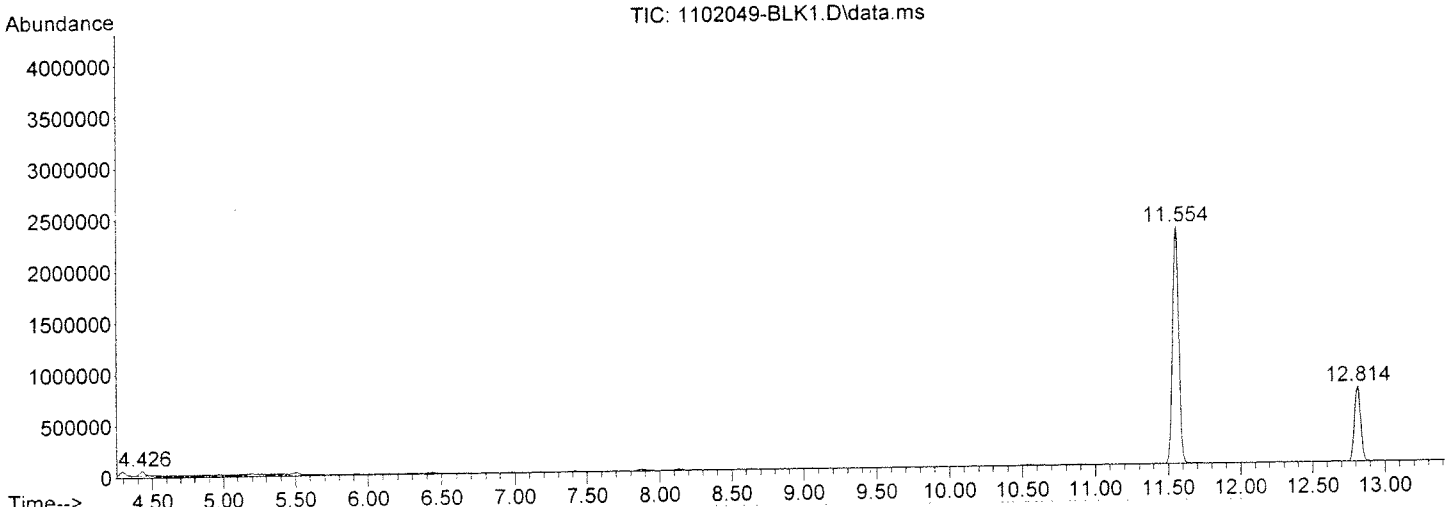
Sum of corrected areas: 36080866

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\020711\
Data File : 1102049-BLK1.D
Acq On : 8 Feb 2011 6:50 am
Operator : FW
Sample : 1102049-BLK1
Misc : can2771,500cc,ip=13.5,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\020711\
Data File : 1102049-BLK1.D
Acq On : 8 Feb 2011 6:50 am
Operator : FW
Sample : 1102049-BLK1
Misc : can2771,500cc,ip=13.5,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\020711\
Data File : 1102049-BLK1.D
Acq On : 8 Feb 2011 6:50 am
Operator : FW
Sample : 1102049-BLK1
Misc : can2771,500cc,ip=13.5,fp=30
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TO15_020711.M
Quant Title : TO15

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
