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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

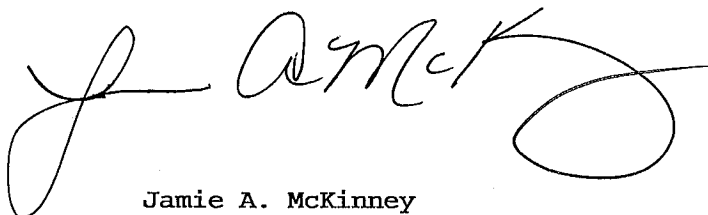
Eugenes Dry Cleaners

Lot #: H1A050479

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TESTAMERICA LABORATORIES, INC.



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Project Manager

January 14, 2011

ANALYTICAL METHODS SUMMARY

H1A050479

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic
Organic Compounds in Ambient Air", EPA-625/R-96/010b,
January 1999.

SAMPLE SUMMARY

H1A050479

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
MC2RQ	001	BA2		12/29/10	09:20
MC2RT	002	BA1		12/29/10	10:00
MC2RW	003	OA		12/29/10	09:35
MC2RX	004	DUP		12/29/10	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE

H1A050479

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

The canister ID listed on the chain of custody documentation did not match the ID listed on the canister for sample BA1.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified “zero air” as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of “zero air” by TestAmerica Knoxville.

Quantitation for ethanol was based on a one-point calibration standard at the reporting limit. Results for this analyte should be considered estimated.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

New York State D.E.C.

Client Sample ID: BA2

GC/MS Volatiles

Lot-Sample # H1A050479 - 001 Work Order # MC2RQ1AA Matrix.....: AIR

Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/11/2011
 Prep Batch #.....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	15	0.80	28	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	0.32	0.080	1.8	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.43	0.20	1.5	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.68	0.20	2.4	0.69
Benzene	0.68	0.080	2.2	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.36	0.080	2.4	0.54
Toluene	1.1	0.080	4.0	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.81	0.040	4.4	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	0.085	0.080	0.65	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	0.58	0.32	1.7	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.074	0.040	0.46	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: BA2

GC/MS Volatiles

Lot-Sample # H1A050479 - 001 Work Order # MC2RQ1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	0.74	0.20	1.5	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.59	0.080	2.9	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	0.19	0.080	0.75	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: BA1

GC/MS Volatiles

Lot-Sample # H1A050479 - 002 Work Order # MC2RT1AA Matrix.....: AIR

Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/11/2011
 Prep Batch #.....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	19	0.80	36	1.5
Ethylbenzene	0.14	0.080	0.60	0.35
Trichlorofluoromethane	0.25	0.080	1.4	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.35	0.20	1.2	0.70
2,2,4-Trimethylpentane	0.21	0.20	0.99	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.28	0.20	0.99	0.69
Benzene	0.53	0.080	1.7	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	2.1	0.080	15	0.54
Toluene	2.0	0.080	7.4	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.14	0.040	0.73	0.21
1,2,4-Trimethylbenzene	0.40	0.080	2.0	0.39
1,3,5-Trimethylbenzene	0.12	0.080	0.57	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.17	0.080	0.73	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	0.44	0.080	1.9	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.2	0.32	3.5	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.10	0.040	0.63	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	0.71	0.20	1.5	0.41

New York State D.E.C.

Client Sample ID: BA1

GC/MS Volatiles

Lot-Sample # H1A050479 - 002 Work Order # MC2RT1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.54	0.080	2.7	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: OA

GC/MS Volatiles

Lot-Sample # H1A050479 - 003 Work Order # MC2RW1AA Matrix.....: AIR

Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/11/2011
 Prep Batch #.....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	14	0.80	26	1.5
Ethylbenzene	0.14	0.080	0.62	0.35
Trichlorofluoromethane	0.30	0.080	1.7	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.40	0.20	1.4	0.70
2,2,4-Trimethylpentane	0.24	0.20	1.1	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.49	0.20	1.7	0.69
Benzene	0.58	0.080	1.9	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.10	0.080	0.70	0.54
Toluene	1.1	0.080	4.2	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.23	0.040	1.2	0.21
1,2,4-Trimethylbenzene	0.15	0.080	0.75	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.16	0.080	0.70	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	0.085	0.080	0.65	0.61
m-Xylene & p-Xylene	0.45	0.080	2.0	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	0.68	0.32	2.0	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.10	0.040	0.66	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	0.94	0.20	1.9	0.41

New York State D.E.C.

Client Sample ID: OA

GC/MS Volatiles

Lot-Sample # H1A050479 - 003 Work Order # MC2RW1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.62	0.080	3.0	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: DUP

GC/MS Volatiles

Lot-Sample # H1A050479 - 004 Work Order # MC2RX1AA Matrix.....: AIR
 Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/10/2011
 Prep Batch #....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	21	0.80	40	1.5
Ethylbenzene	0.12	0.080	0.53	0.35
Trichlorofluoromethane	0.28	0.080	1.6	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.42	0.20	1.5	0.70
2,2,4-Trimethylpentane	0.24	0.20	1.1	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.36	0.20	1.2	0.69
Benzene	0.59	0.080	1.9	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	2.1	0.080	14	0.54
Toluene	2.0	0.080	7.6	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.14	0.040	0.75	0.21
1,2,4-Trimethylbenzene	0.24	0.080	1.2	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.083	0.080	0.36	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	0.082	0.080	0.63	0.61
m-Xylene & p-Xylene	0.27	0.080	1.2	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.3	0.32	3.7	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.10	0.040	0.65	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	0.73	0.20	1.5	0.41

New York State D.E.C.

Client Sample ID: DUP

GC/MS Volatiles

Lot-Sample # H1A050479 - 004 Work Order # MC2RX1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.57	0.080	2.8	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.
Client Sample ID: INTRA-LAB BLANK
GC/MS Volatiles

Lot-Sample #	H1A100000 - 236B	Work Order #	MC7111AA	Matrix.....:	AIR
	12/29/2010	Date Received..:	01/04/2011		
Prep Date.....:	01/10/2011	Analysis Date...	01/10/2011		
Prep Batch #.....:	1010236				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.
 Client Sample ID: INTRA-LAB BLANK
 GC/MS Volatiles

Lot-Sample # H1A100000 - 236B Work Order # MC7111AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1A100000 - 236C Work Order # MC7111AC Matrix.....: AIR

12/29/2010
 Prep Date.....: 01/10/2011 Date Received..: 01/04/2011
 Prep Batch #.....: 1010236 Analysis Date...: 01/10/2011
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	5.00	4.69	23	21	94	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	6.12	35	43	122	60 - 140
1,4-Dioxane	5.00	4.33	18	16	87	60 - 140
Ethylbenzene	5.00	4.36	22	19	87	70 - 130
Trichlorofluoromethane	5.00	5.46	28	31	109	60 - 140
Hexachlorobutadiene	5.00	3.94	53	42	79	60 - 140
n-Hexane	5.00	5.45	18	19	109	70 - 130
2,2,4-Trimethylpentane	5.00	5.23	23	24	105	70 - 130
tert-Butyl alcohol	5.00	4.79	15	15	96	60 - 140
Methylene chloride	5.00	5.14	17	18	103	70 - 130
Benzene	5.00	5.09	16	16	102	70 - 130
Benzyl chloride	5.00	4.40	26	23	88	70 - 130
Styrene	5.00	4.41	21	19	88	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.63	34	32	93	70 - 130
Tetrachloroethene	5.00	4.78	34	32	96	70 - 130
Toluene	5.00	4.40	19	17	88	70 - 130
1,2,4-Trichlorobenzene	5.00	4.27	37	32	85	60 - 140
1,1,1-Trichloroethane	5.00	5.67	27	31	113	70 - 130
1,1,2-Trichloroethane	5.00	4.66	27	25	93	70 - 130
Trichloroethene	5.00	5.10	27	27	102	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	5.58	38	43	112	70 - 130
1,2,4-Trimethylbenzene	5.00	4.40	25	22	88	70 - 130
1,3,5-Trimethylbenzene	5.00	4.06	25	20	81	70 - 130
Vinyl chloride	5.00	6.12	13	16	122	70 - 130
o-Xylene	5.00	4.17	22	18	83	70 - 130
Methyl tert-butyl ether	5.00	4.30	18	16	86	60 - 140
m-Xylene & p-Xylene	10.0	8.46	43	37	85	70 - 130
Bromodichloromethane	5.00	4.97	34	33	99	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.58	38	35	92	70 - 130
2-Butanone (MEK)	5.00	4.21	15	12	84	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	4.62	20	19	92	60 - 140
Bromoform	5.00	5.38	52	56	108	60 - 140
Bromomethane	5.00	5.83	19	23	117	70 - 130
Carbon tetrachloride	5.00	6.01	31	38	120	70 - 130
Chlorobenzene	5.00	4.56	23	21	91	70 - 130
Dibromochloromethane	5.00	5.06	43	43	101	70 - 130
Chloroethane	5.00	5.67	13	15	113	70 - 130

New York State D.E.C.
Client Sample ID: CHECK SAMPLE
GC/MS Volatiles

Lot-Sample # H1A100000 - 236C Work Order # MC7111AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	5.00	5.47	24	27	109	70 - 130
Chloromethane	5.00	6.47	10	13	129	60 - 140
Cyclohexane	5.00	5.17	17	18	103	70 - 130
1,2-Dichlorobenzene	5.00	4.31	30	26	86	70 - 130
1,3-Dichlorobenzene	5.00	4.41	30	27	88	70 - 130
1,4-Dichlorobenzene	5.00	4.33	30	26	87	70 - 130
Dichlorodifluoromethane	5.00	5.80	25	29	116	60 - 140
1,1-Dichloroethane	5.00	5.65	20	23	113	70 - 130
1,2-Dichloroethane	5.00	5.06	20	20	101	70 - 130
1,1-Dichloroethene	5.00	5.54	20	22	111	70 - 130
cis-1,2-Dichloroethene	5.00	5.53	20	22	111	70 - 130
trans-1,2-Dichloroethene	5.00	5.48	20	22	110	70 - 130
1,2-Dichloropropane	5.00	4.64	23	21	93	70 - 130
cis-1,3-Dichloropropene	5.00	4.64	23	21	93	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

HIADSD479
TestAmerica

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information		Project Manager: Brian Sankar		Sampled By: Brian Sankar		1 of 1 COCs													
Company: NYSDEC		Phone:																	
Address: 625 Broadway, 11th Floor		Site Contact:																	
City/State/Zip Albany, NY 12233-7015		TAL Contact:																	
Phone: 518-402-9620																			
FAX:																			
Project Name: Eugene's Dry Cleaners		Analysis Turnaround Time																	
Site/location: Babylon, NY		Standard (Specify)																	
PO #		Rush (Specify)																	
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)	
BA 2	12/21/10	935	920	30	6	K387	12337	X						X					
BA 1	12/21/10	1005	1000	29.5	4	K464	8867	X						X					
OA	12/29/10	955	935	30+	8	K114	7484	X							X				
DUP	12/29/10	—	—	30	6	K122	6606	X						X					
Sampled by: 1 BOX RECEIVED AMBIENT TED EX # 4108 5800 6426 CUSTOM STAGS INTACT 5 CANS, 5 FLOW, IT-BAR, 5 C.A. TS 11411																			
Special Instructions/QC Requirements & Comments: Detection limits 1 v/v/m ³ (TCE, VC, carbon tet detection limits 0.25 v/v/m ³) - Please call with vac measurement prior to analysis.																			
Canisters Shipped by: Brian Sankar		Date/Time: 12/30/10 1455		Canisters Received by:															
Samples Relinquished by: Brian Sankar		Date/Time: 12/30/10 0455		Received by: [Signature]															
Relinquished by: [Signature]		Date/Time: 12-11-31/11 1700		Received by: [Signature]															

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H1A050474

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	☒	☐	☐	☒ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	1A COC LIST CAN ID FOR SAMPLE BAI AS 887; LIST NUMBER - CAN ID IS 6576
2. Is the cooler temperature within limits? (> freezing temp. of water to 6°C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6°C)	☒	☐	☒	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?	☒	☐	☒	☐ 3a Sample preservative = _____	
4. Were custody seals present/intact on cooler and/or containers?	☒	☐	☐	☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	☒	☐	☐	☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	☒	☐	☒	☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?	☒	☐	☒	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	☒	☐	☐	☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?	☒	☐	☒	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	☒	☐	☒	☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?	☒	☐	☒	☐ Incomplete information	
12. For 1613B water samples is pH<9?	☒	☐	☒	If no, was pH adjusted to pH 7 - 9 with sulfuric acid?	
13. Are the shipping containers intact?	☒	☐	☐	☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	☒	☐	☐	☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	☒	☐	☐	☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	☒	☐	☐	☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	☒	☐	☐	☐ 15a Incomplete information	
18. Is the client and project name/# identified?	☒	☐	☐	☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	☒	☐	☐	☐ 15a Incomplete information	

Quote #: 879316 PM Instructions: NA

Sample Receiving Associate: [Signature] Date: 1/4/11

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: H1A050479

Initial Can Pressure					Subsequent Dilutions													
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First In-Can Final Pres. Pf (psig)	Second In-Can Final Pres. Pf (psig)	Third In-Can Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
VDF 1-6-11	NA	8866	MC2RQ	12337 ✓	-2.8													8864
			MC2RT	6576 ✓	-1.3													8867
			MC2RW	7484 ✓	-1.8													8874/4
			MC2RX	6606 ✓	-2.8													8874

Ans 11111

Volatiles

Raw Sample Data

New York State D.E.C.

Client Sample ID: BA2

GC/MS Volatiles

Lot-Sample # H1A050479 - 001 Work Order # MC2RQ1AA Matrix.....: AIR

Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/11/2011
 Prep Batch #....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	15	0.80	28	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	0.32	0.080	1.8	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.43	0.20	1.5	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.68	0.20	2.4	0.69
Benzene	0.68	0.080	2.2	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.36	0.080	2.4	0.54
Toluene	1.1	0.080	4.0	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.81	0.040	4.4	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	0.085	0.080	0.65	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	0.58	0.32	1.7	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.074	0.040	0.46	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: BA2

GC/MS Volatiles

Lot-Sample # H1A050479 - 001 Work Order # MC2RQ1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	0.74	0.20	1.5	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.59	0.080	2.9	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	0.19	0.080	0.75	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqr.d
 Report Date: 11-Jan-2011 13:05

TestAmerica Knoxville

Modified Method TO-14/TO-15
 Data file : /var/chem/gcms/mj.i/J011011.b/mc2rqr.d
 Lab Smp Id: MC2RQ1AA Client Smp ID: BA2
 Inj Date : 11-JAN-2011 05:12
 Operator : 22980 Inst ID: mj.i
 Smp Info : MC2RQ1AA,1,0,,, /
 Misc Info : J011011,TO15,nysdec.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J011011.b/TO15.m
 Meth Date : 11-Jan-2011 13:01 barlozha Quant Type: ISTD
 Cal Date : 10-JAN-2011 12:07 Cal File: j1pta10.d
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: nysdec.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

01/20/11

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb (v/v))	FINAL (ppb (v/v))
* 1 Bromochloromethane	128	9.408	9.404	(1.000)	304422	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.576	11.577	(1.000)	1538637	4.00000	4.000	
* 3 Chlorobenzene-d5	117	16.245	16.247	(1.000)	1304376	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95	17.864	17.866	(1.100)	919173	4.02220	4.022	
8 Dichlorodifluoromethane	85	3.969	3.971	(0.422)	178686	0.59073	0.5907	
10 Chloromethane	52	4.174	4.175	(0.444)	34672	0.74230	0.7423	
20 Trichlorofluoromethane	101	5.605	5.606	(0.596)	75717	0.31530	0.3153	
30 1,1,2-Trichlorotrifluoroethane	101	6.557	6.558	(0.697)	16256	0.08514	0.08514	
31 Methylene Chloride	84	6.745	6.736	(0.717)	59622	0.68270	0.6827	
38 Hexane	56	8.639	8.635	(0.918)	40925	0.42723	0.4272	
39 2-Butanone	72	8.596	8.592	(0.914)	16638	0.58134	0.5813	
40 cis 1,2-Dichloroethene	96	9.069	9.060	(0.964)	17045	0.18973	0.1897	
48 Benzene	78	11.059	11.056	(0.955)	201241	0.67903	0.6790	
49 Carbon Tetrachloride	117	11.075	11.083	(0.957)	12231	0.07355	0.07355	
53 Trichloroethene	130	12.286	12.282	(1.061)	103282	0.81286	0.8128	

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqr.d
 Report Date: 11-Jan-2011 13:05

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
61 Toluene	91		14.298	14.299	(0.880)	288942	1.06559	1.066	
67 Tetrachloroethene	129		15.433	15.429	(0.950)	39846	0.36108	0.3611	
166 ~ ethanol	31		5.061	5.054	(0.538)	1262314	15.0726	15.07	20

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqr.d
 Report Date: 11-Jan-2011 13:05

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: mj.i	Calibration Date: 10-JAN-2011
Lab File ID: mc2rqr.d	Calibration Time: 10:50
Lab Smp Id: MC2RQ1AA	Client Smp ID: BA2
Analysis Type: OTHER	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: 22980	
Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m	
Misc Info: J011011,TO15,nysdec.sub,,,	

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 Bromochloromethan	322813	192074	453552	304422	-5.70
2 1,4-Difluorobenze	1506919	896617	2117221	1538637	2.10
3 Chlorobenzene-d5	1266542	753592	1779492	1304376	2.99

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 Bromochloromethan	9.40	9.07	9.73	9.41	0.04
2 1,4-Difluorobenze	11.58	11.25	11.91	11.58	-0.01
3 Chlorobenzene-d5	16.25	15.92	16.58	16.25	-0.01

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqr.d
 Report Date: 11-Jan-2011 13:05

TestAmerica Knoxville

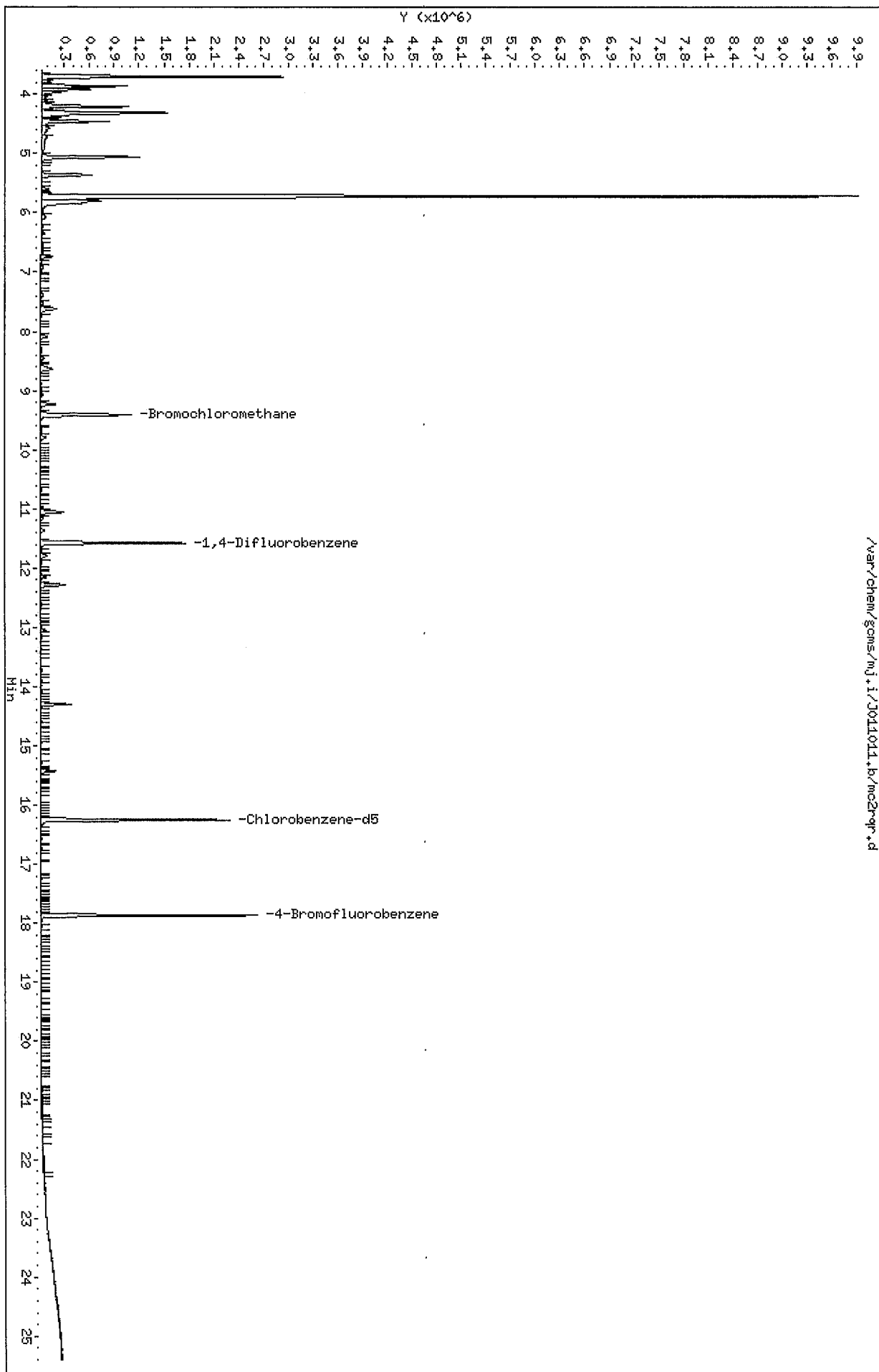
RECOVERY REPORT

Client Name: New York State D.E.C04-JAN-2011 00:00 Client SDG: H1A050479
 Sample Matrix: GAS Fraction: OTHER
 Lab Smp Id: MC2RQ1AA Client Smp ID: BA2
 Level: LOW Operator: 22980
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: allnew.spk Quant Type: ISTD
 Sublist File: nysdec.sub
 Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m
 Misc Info: J011011,TO15,nysdec.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
\$ 6 4-Bromofluorobenze	4.000	4.022	100.56	70-130

Data File: /var/chem/gcms/mj.i/1011011.b/mc2rqr.d
Date : 11-JAN-2011 05:12
Client ID: B02
Sample Info: MC2RQ1A0,1,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

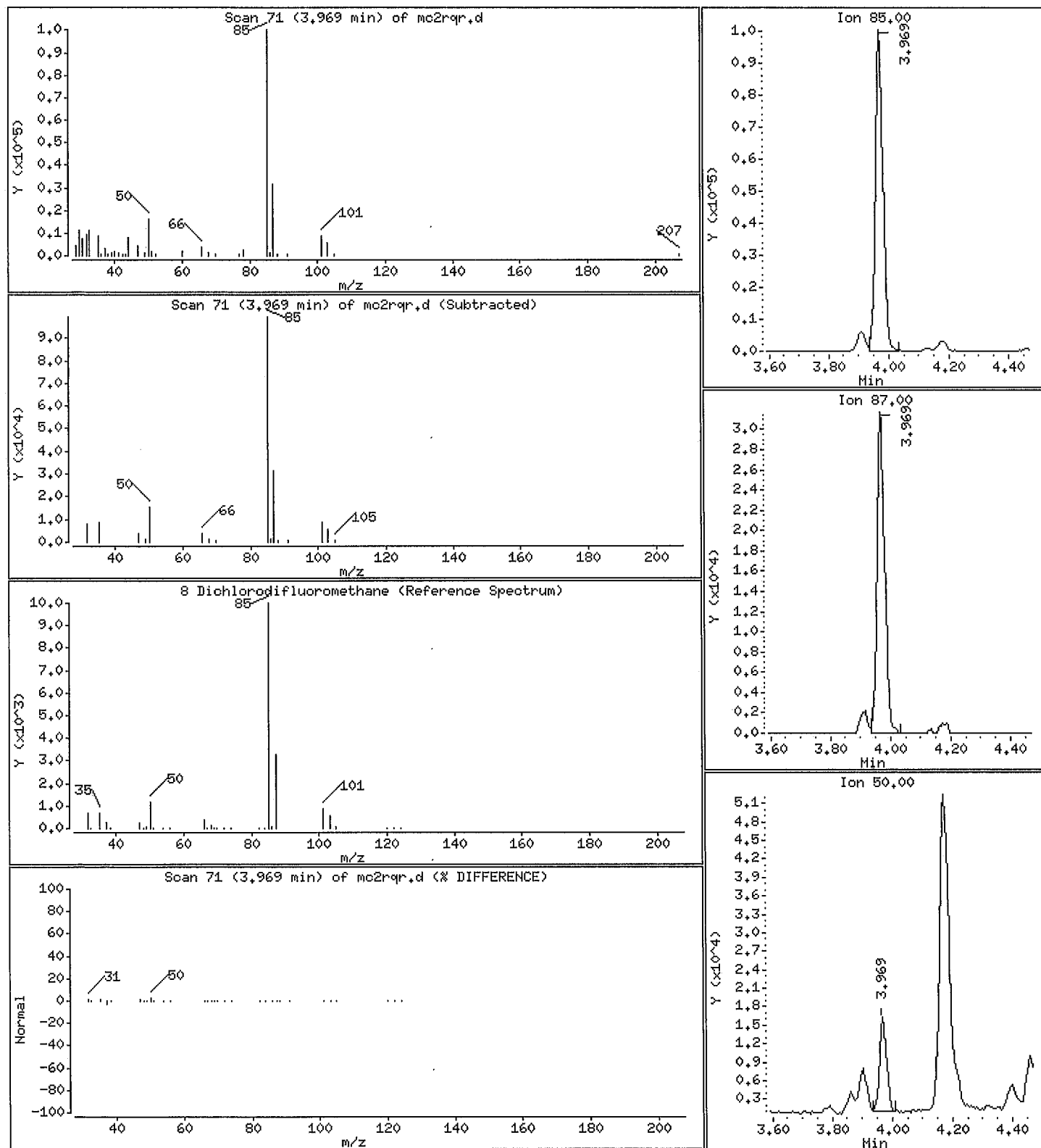
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

8 Dichlorodifluoromethane

Concentration: 0.5907 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

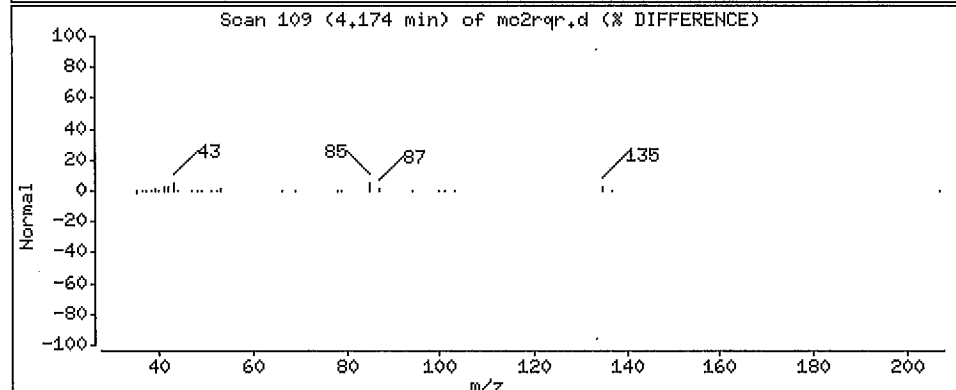
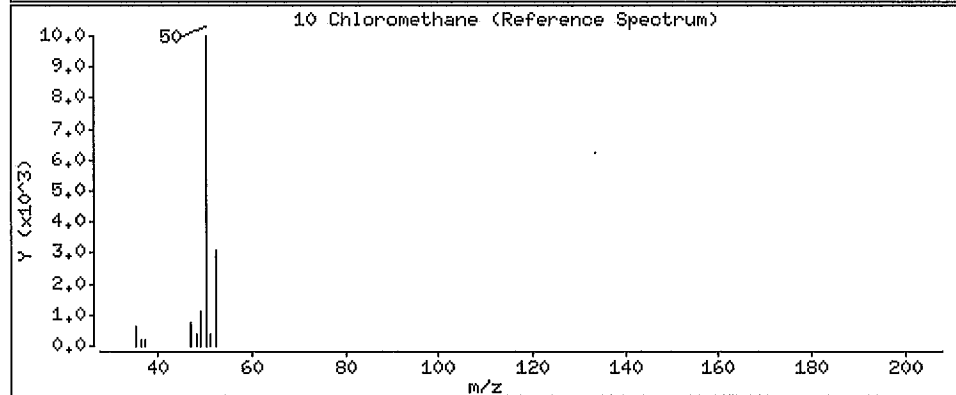
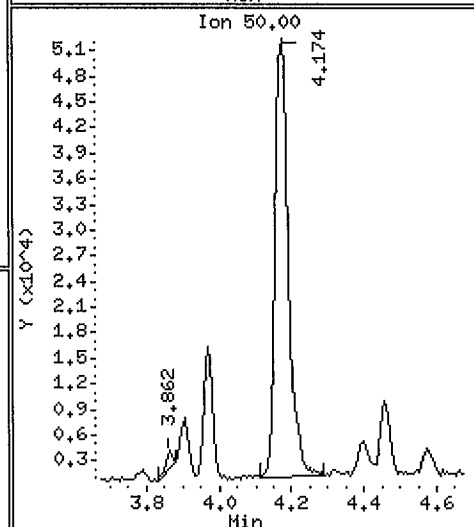
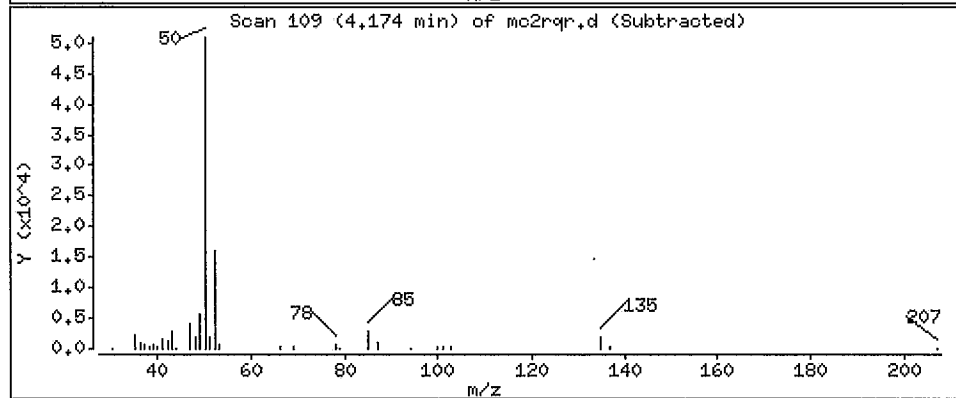
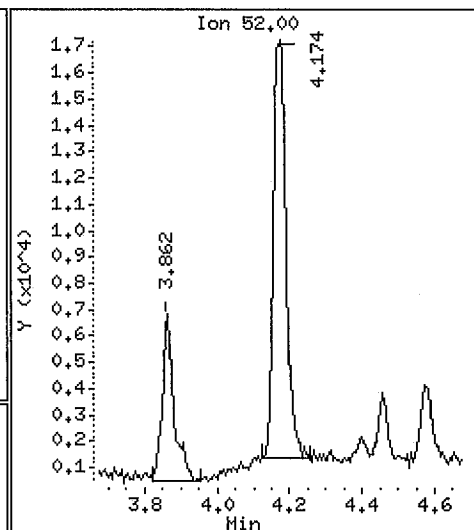
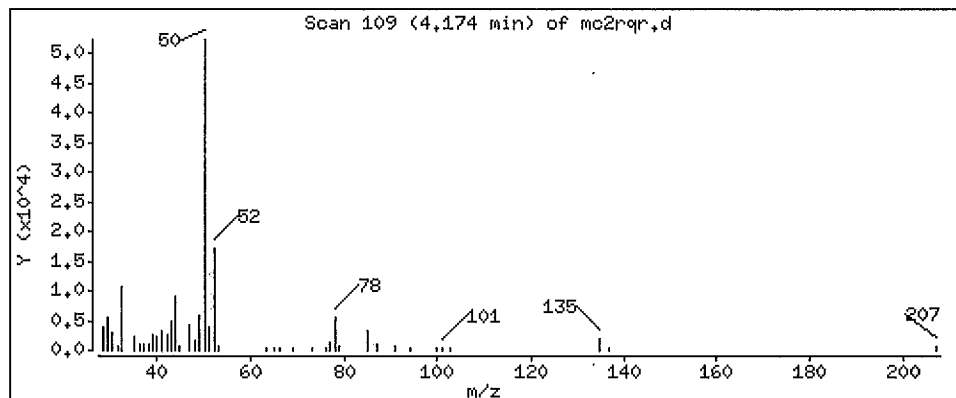
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

10 Chloromethane

Concentration: 0.7423 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqr.d

Date: 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,

Purge Volume: 500.0

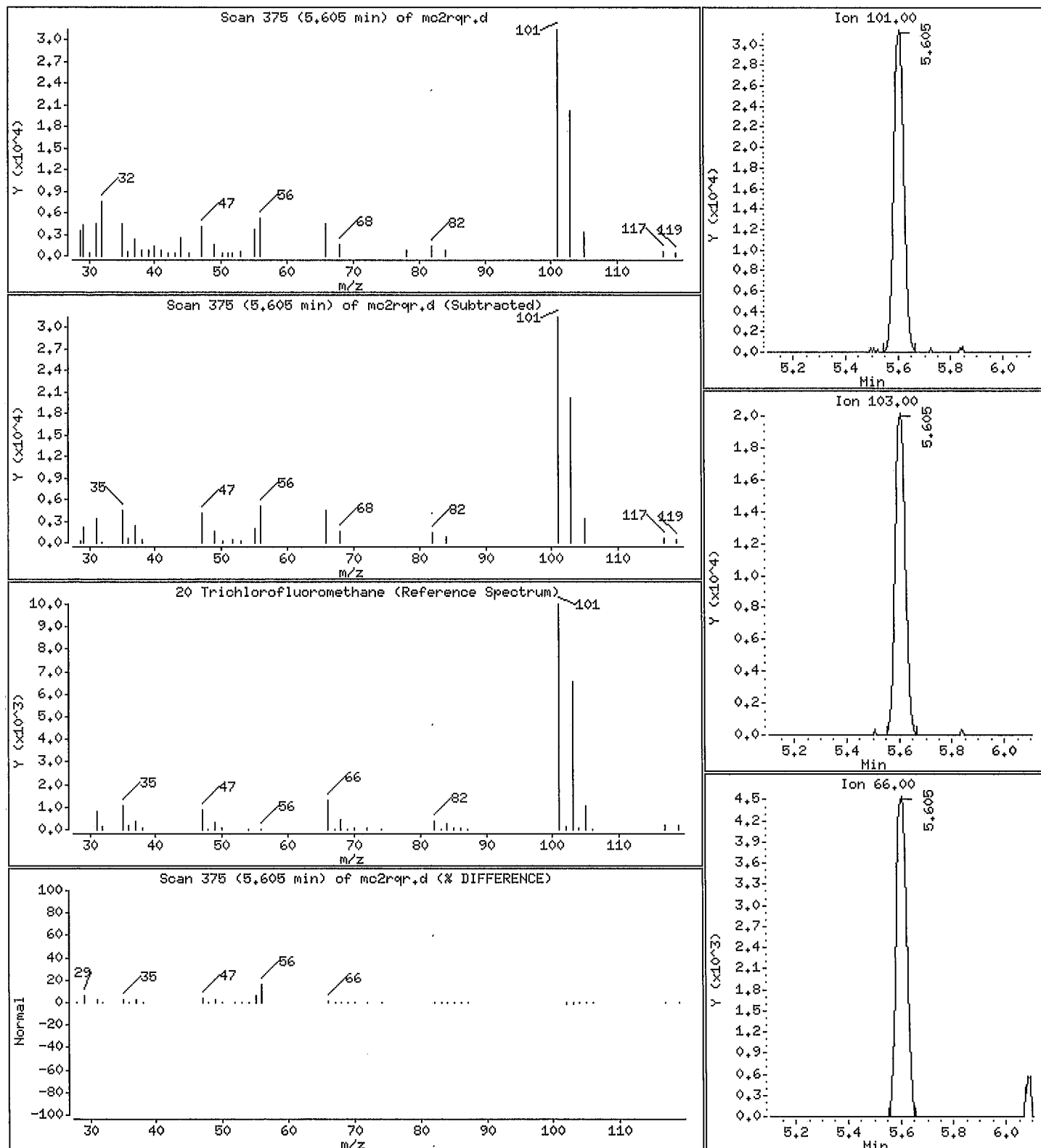
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

20 Trichlorofluoromethane

Concentration: 0.3153 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date: 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

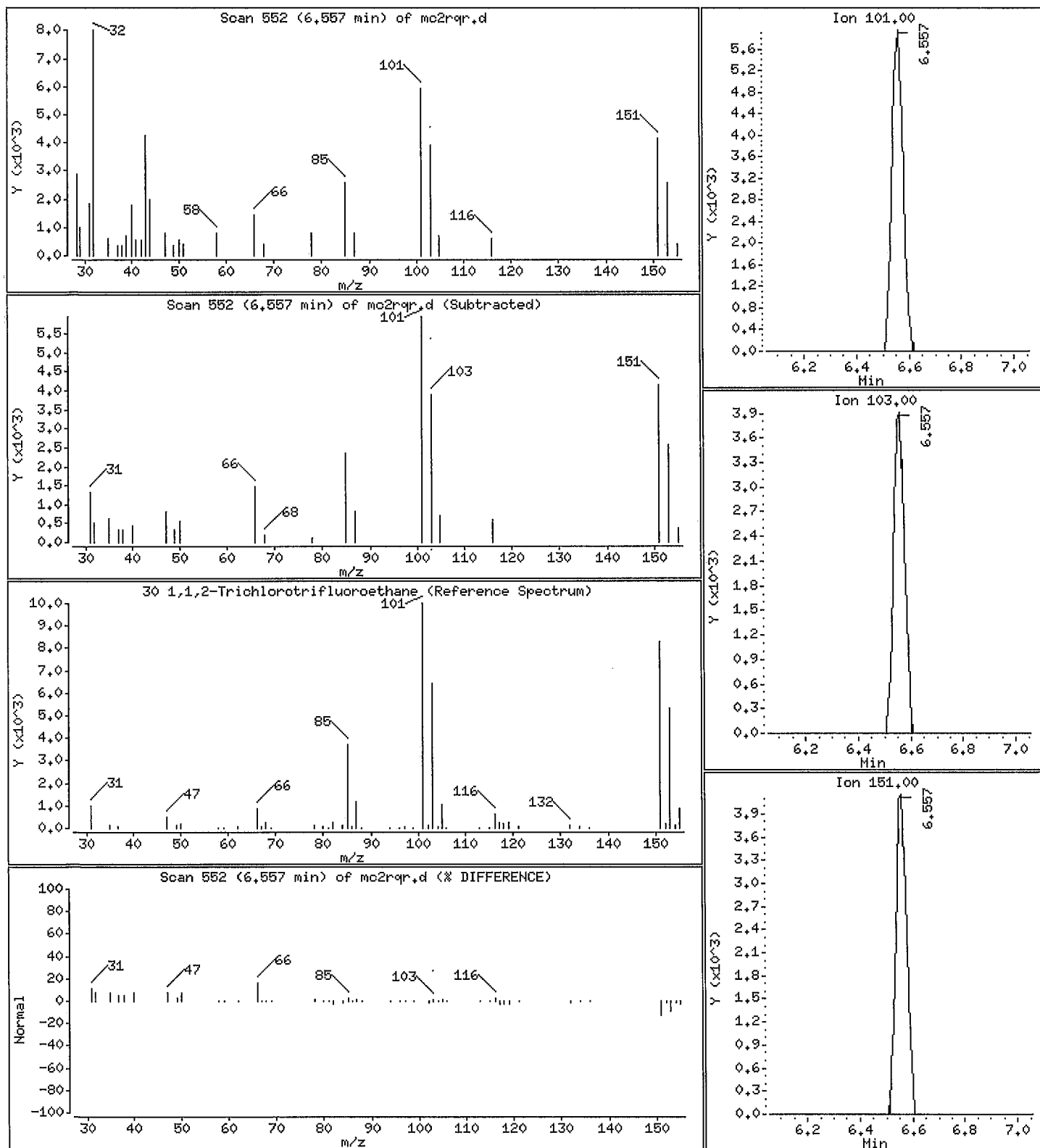
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

30 1,1,2-Trichlorotrifluoroethane

Concentration: 0.08514 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date: 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

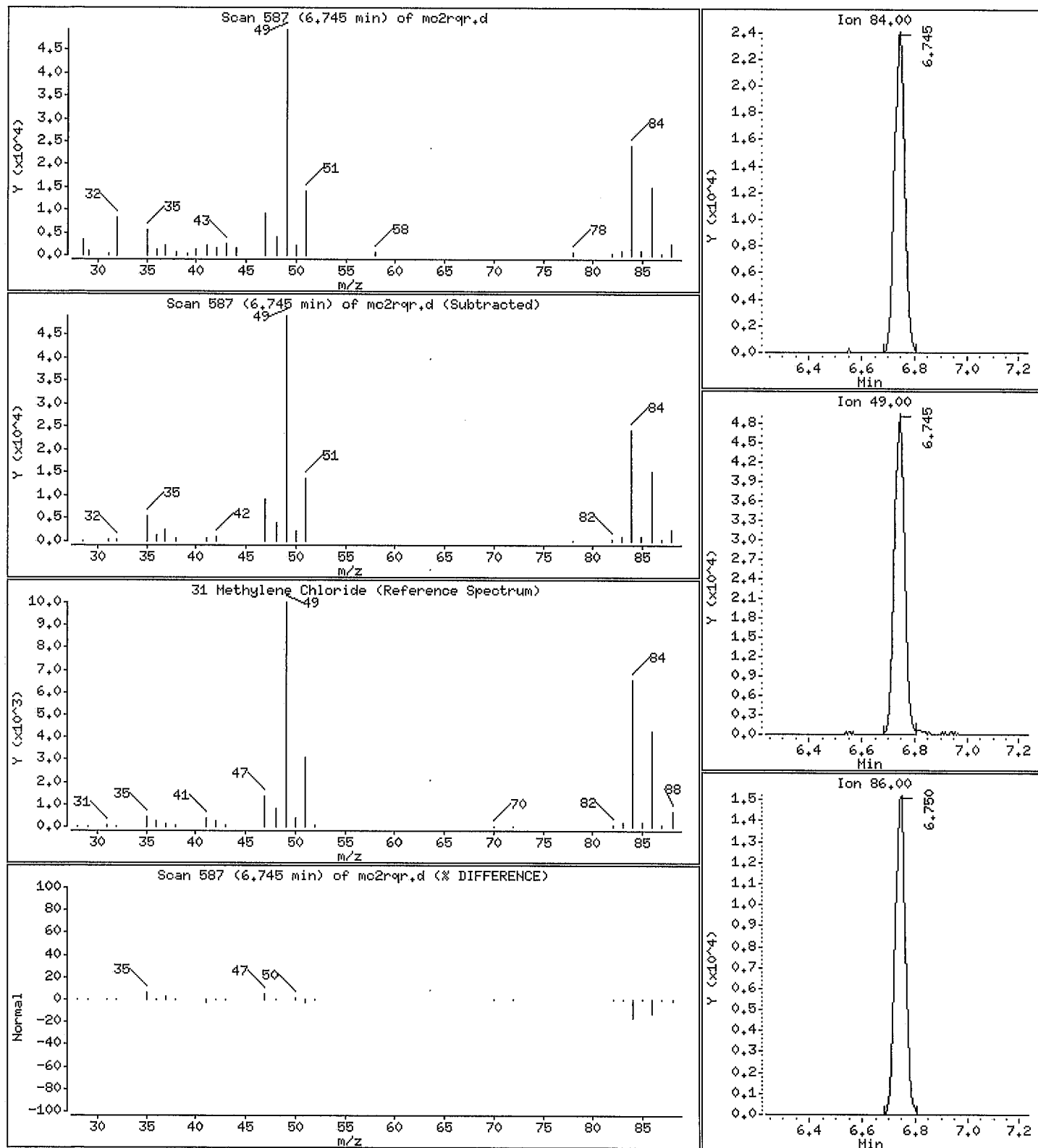
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

31 Methylene Chloride

Concentration: 0.6827 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

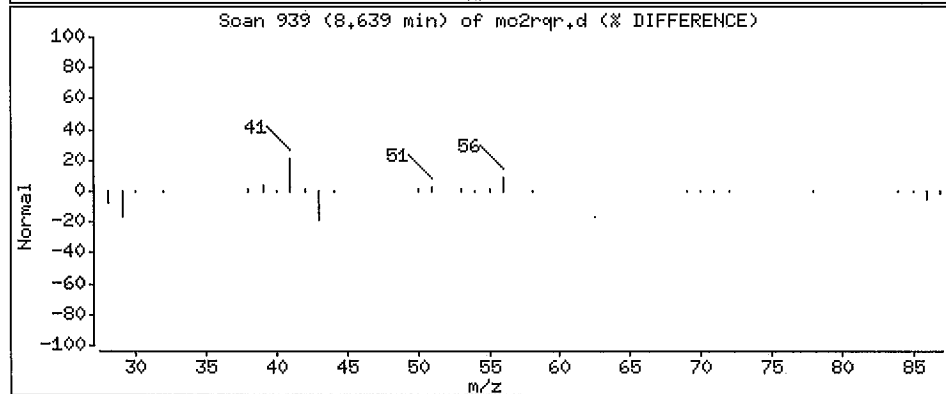
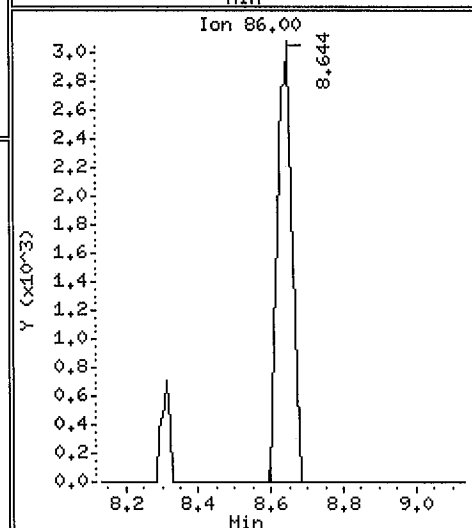
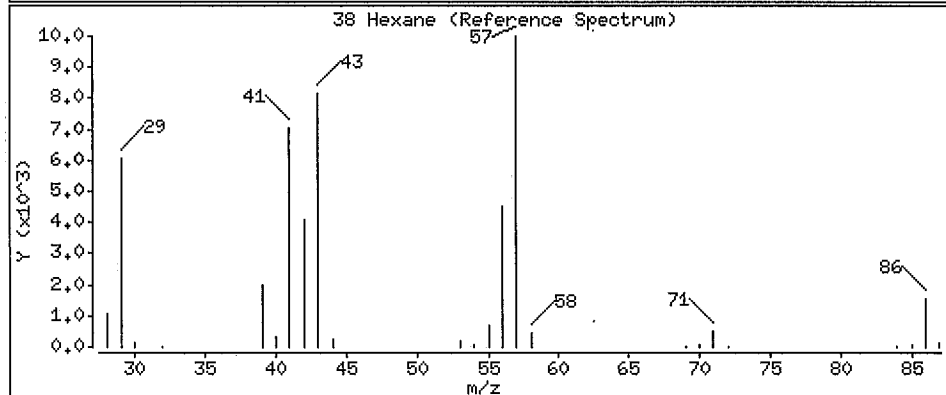
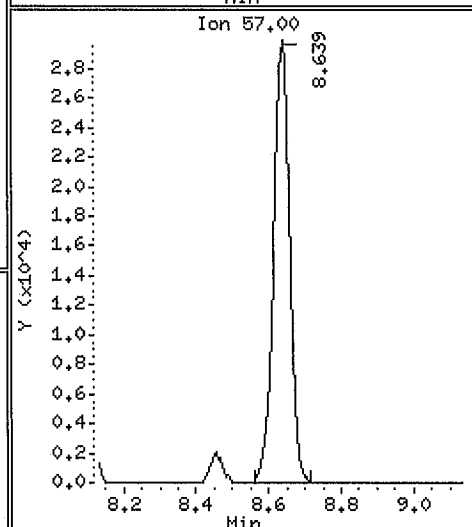
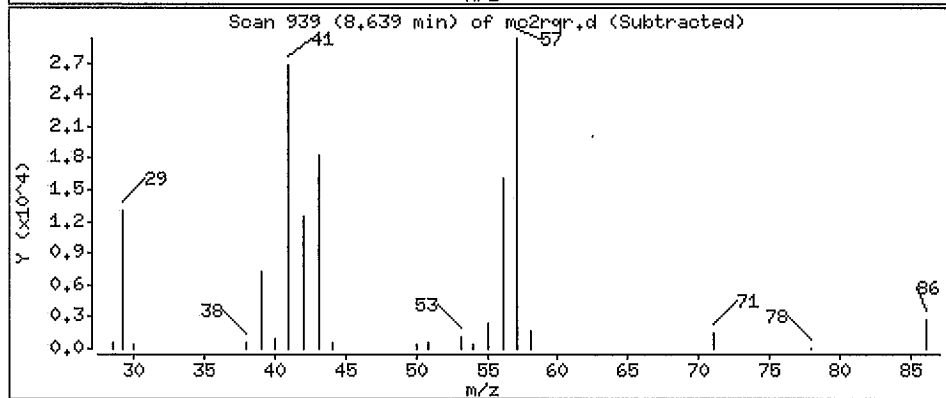
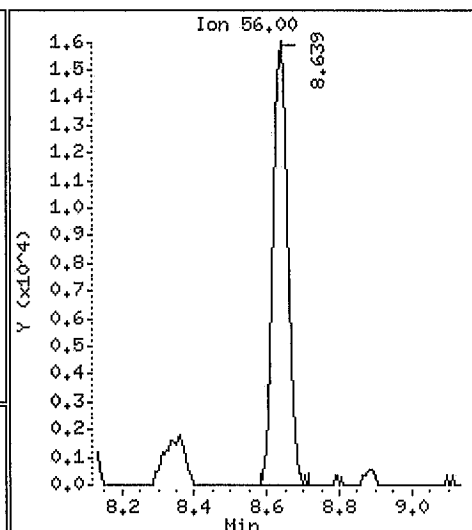
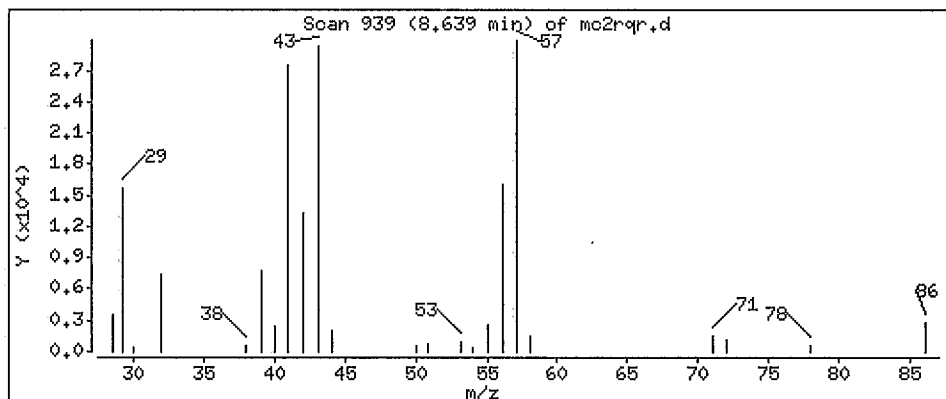
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

38 Hexane

Concentration: 0.4272 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

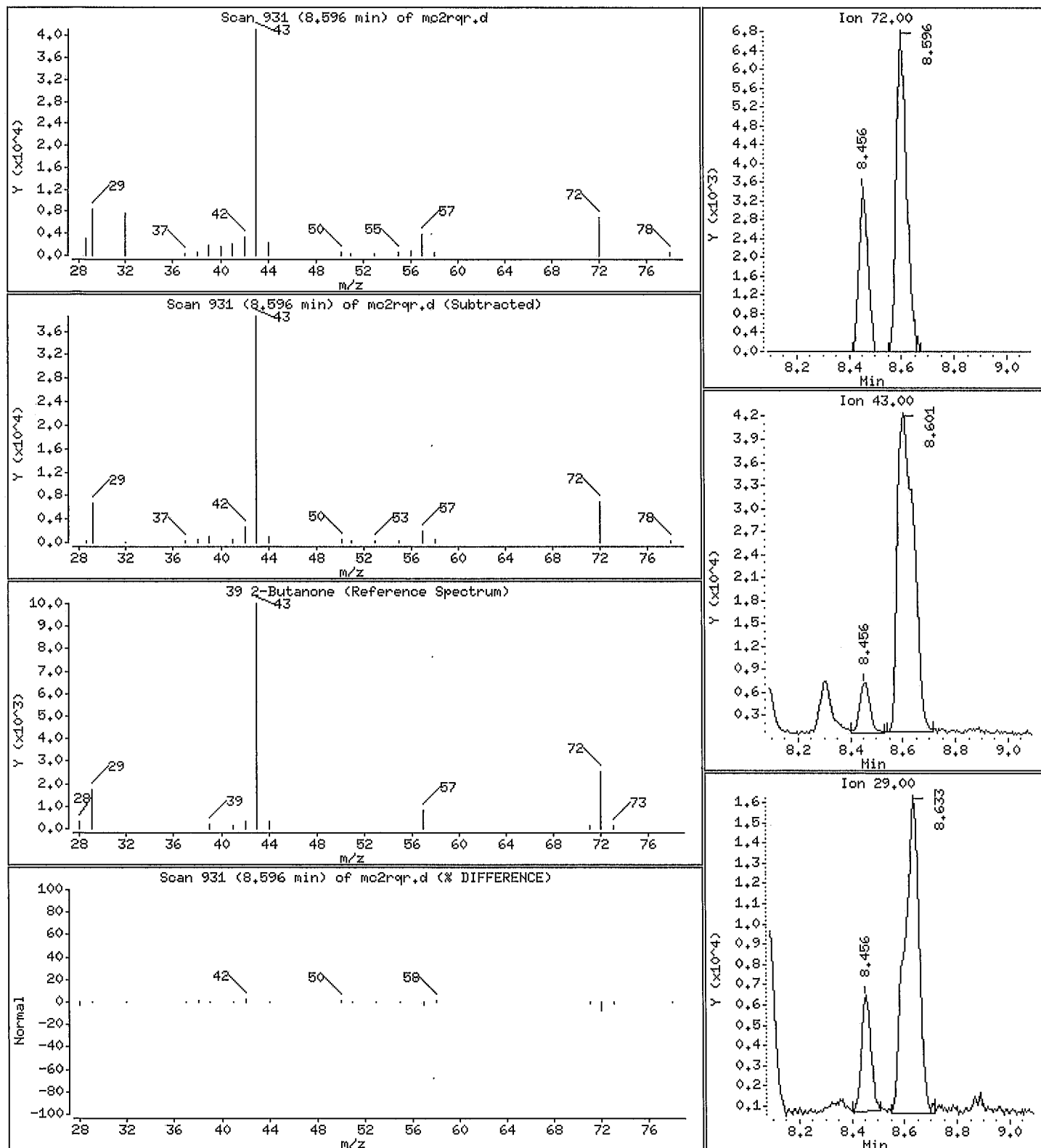
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

39 2-Butanone

Concentration: 0.5813 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,

Purge Volume: 500.0

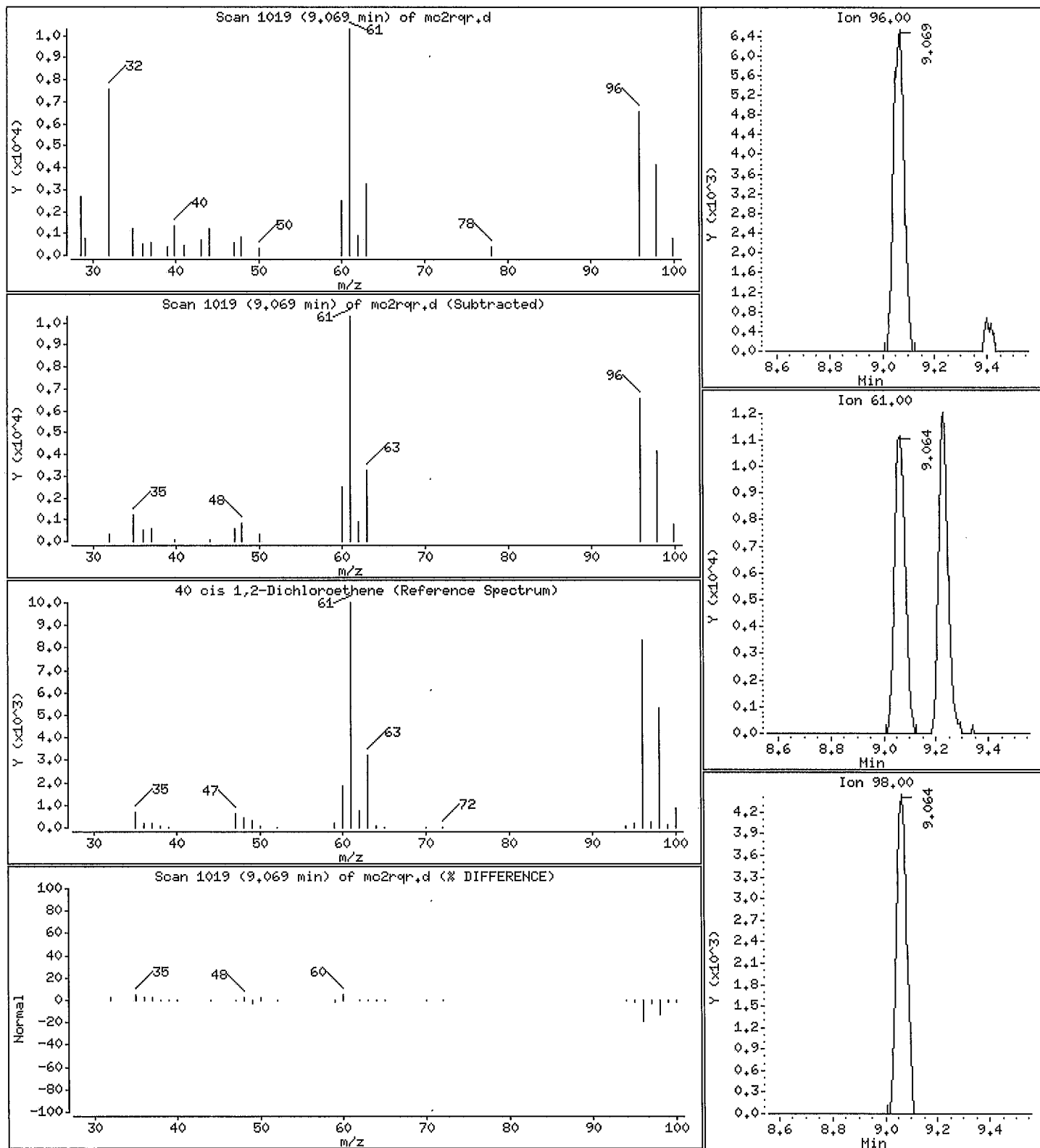
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

40 cis 1,2-Dichloroethene

Concentration: 0.1897 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date: 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

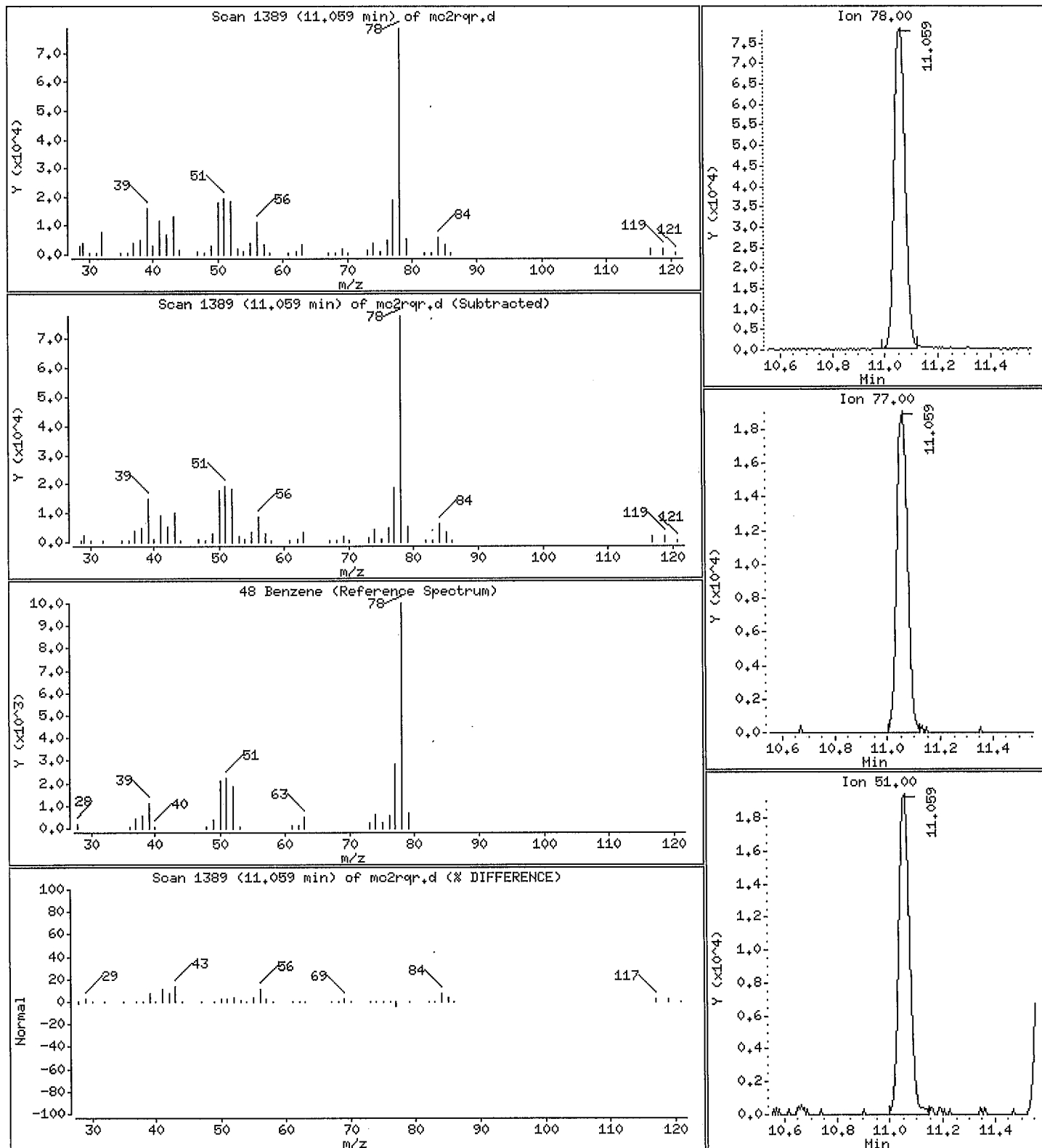
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

48 Benzene

Concentration: 0.6790 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date: 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

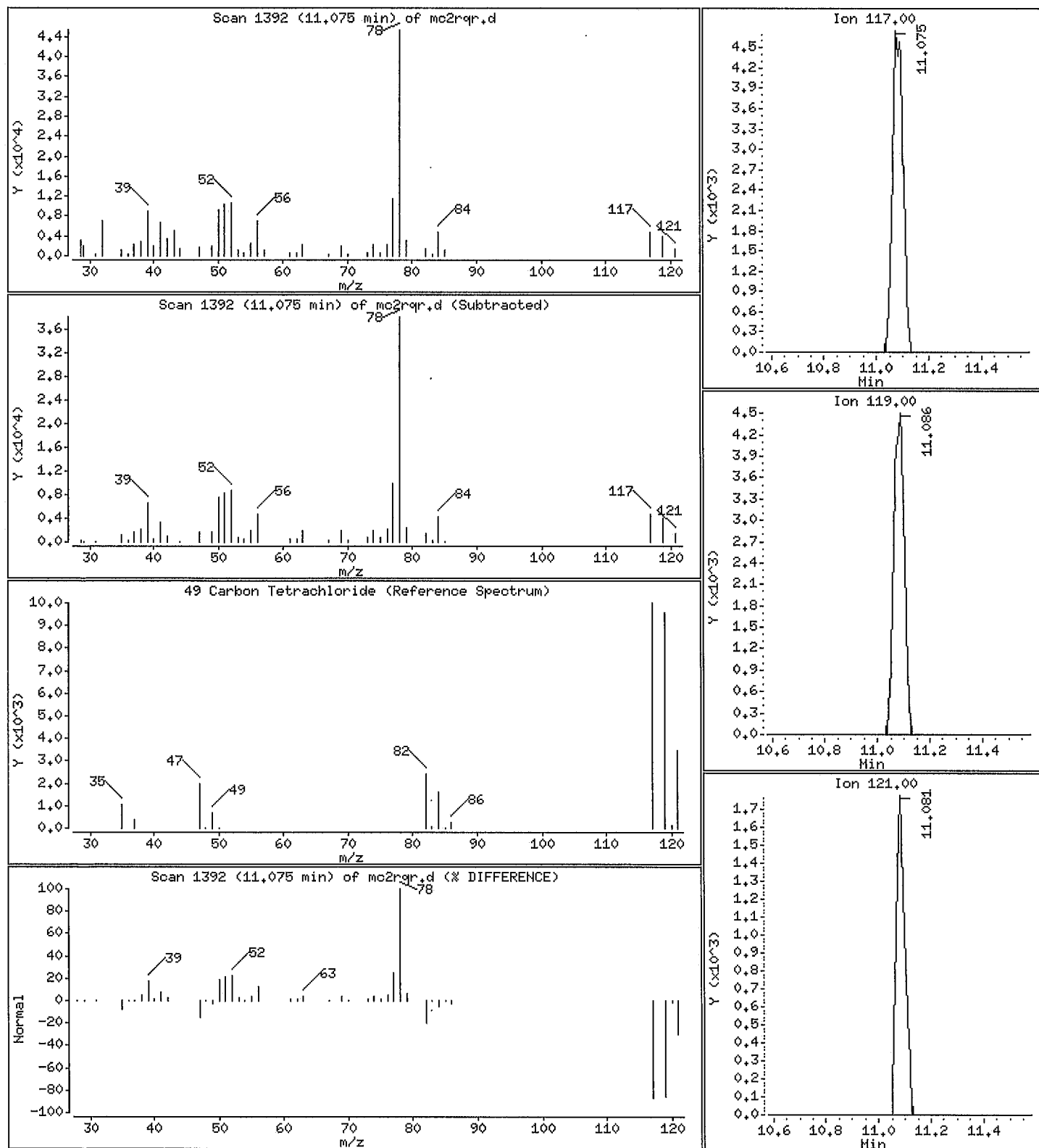
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

49 Carbon Tetrachloride

Concentration: 0.07355 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

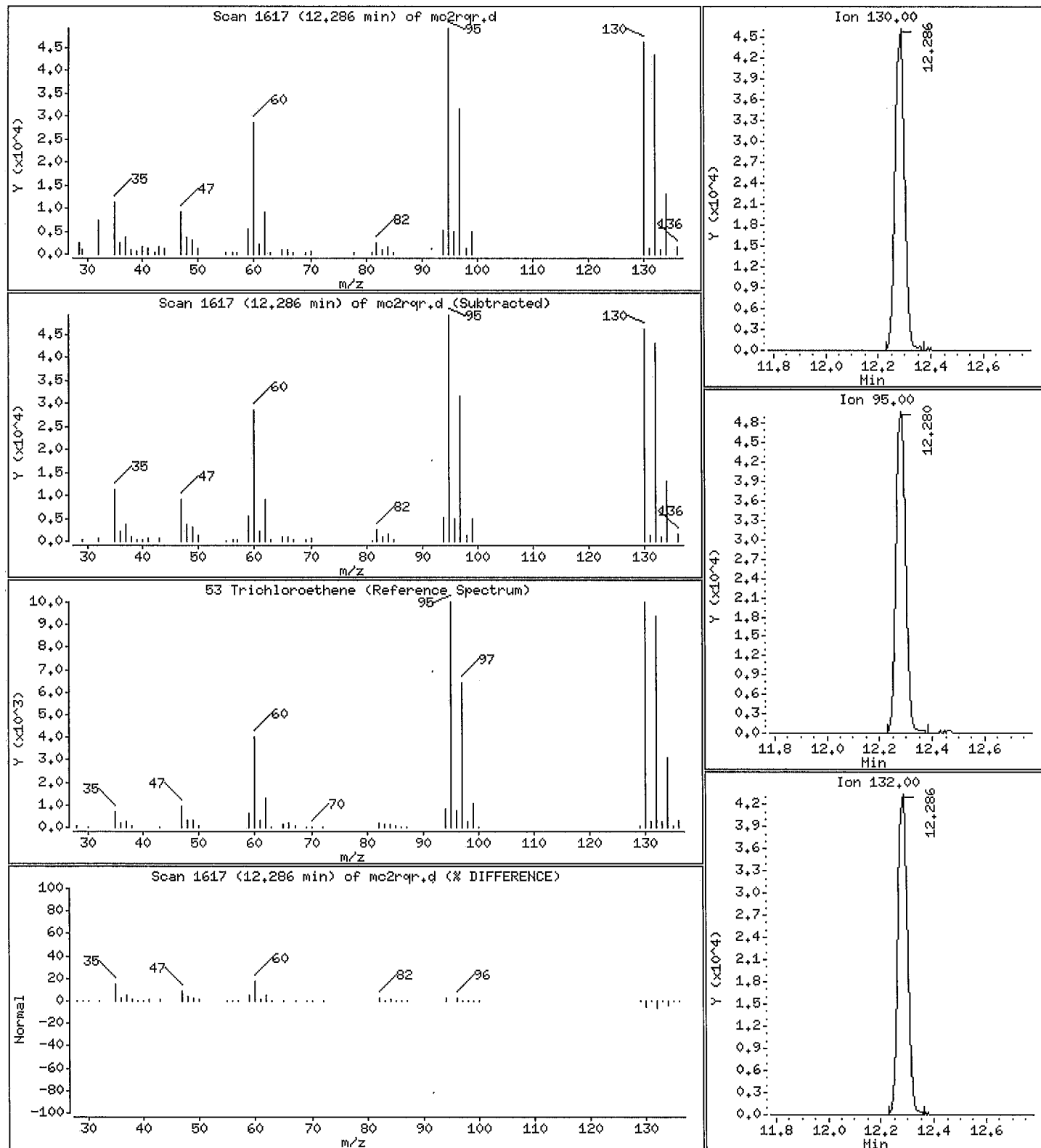
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

53 Trichloroethene

Concentration: 0.8128 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

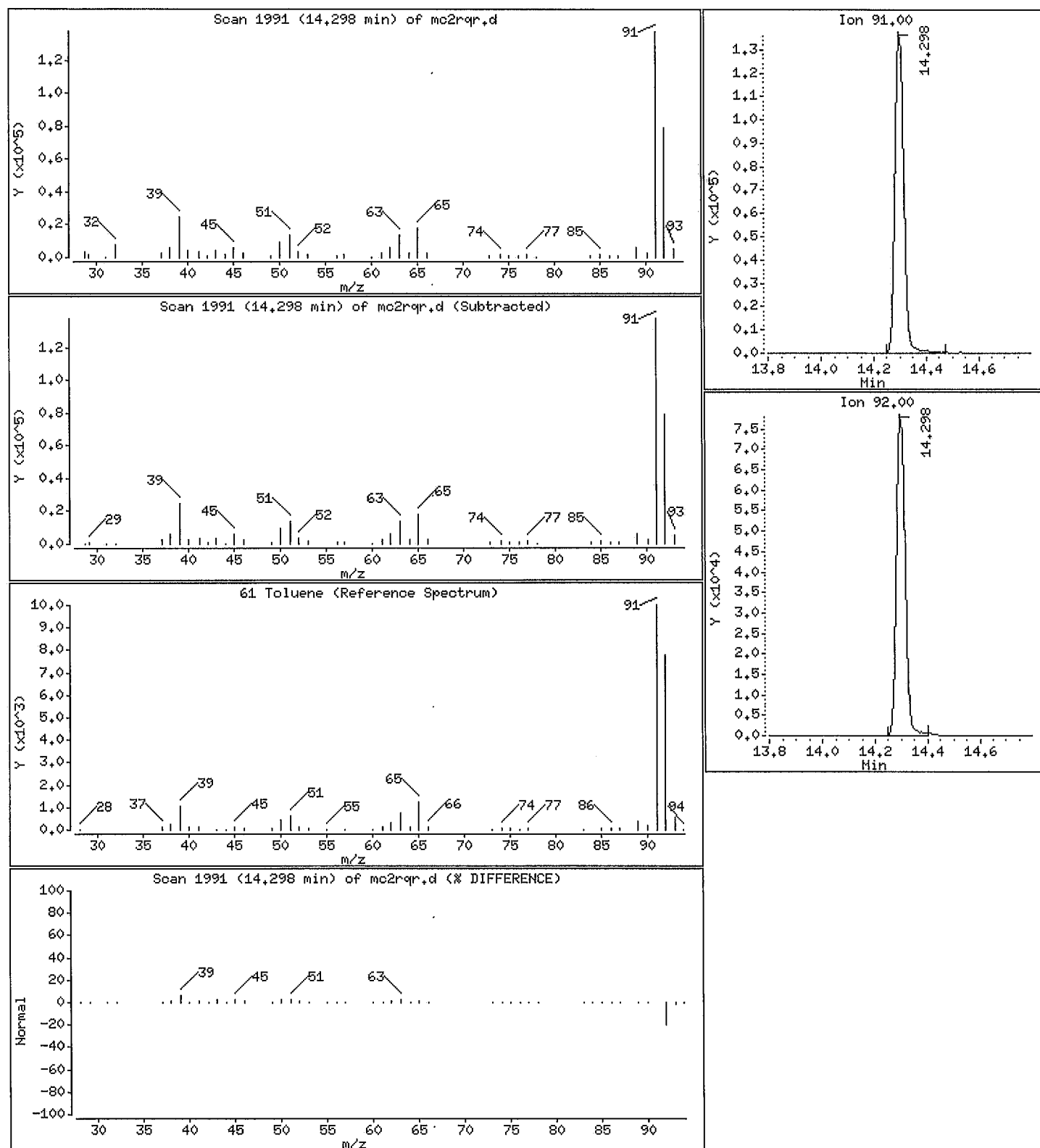
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

61 Toluene

Concentration: 1.066 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rqqr.d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

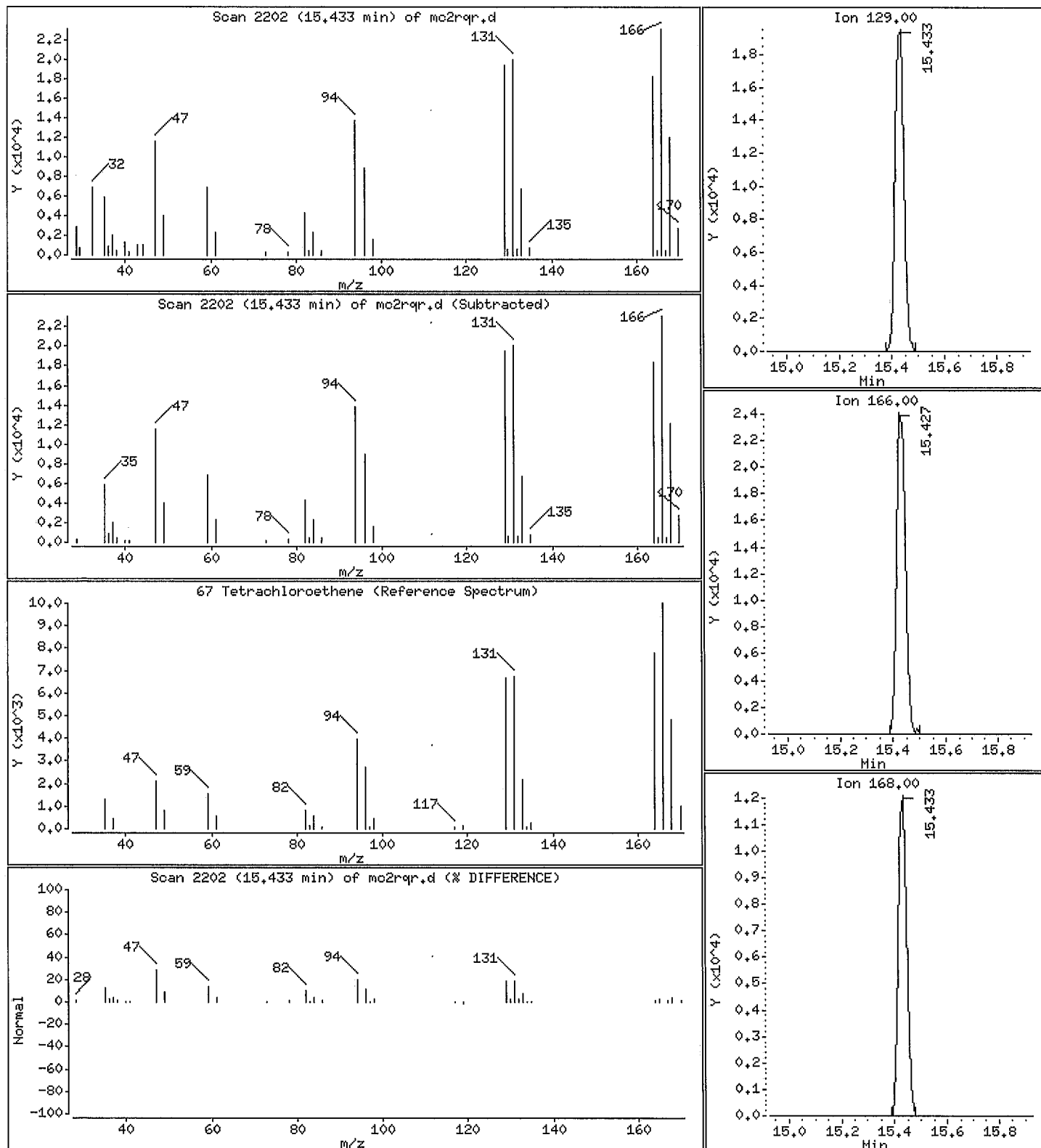
Operator: 22980

Column phase: Rtx-5

Column diameter: 0,32

67 Tetrachloroethene

Concentration: 0,3611 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rqr,d

Date : 11-JAN-2011 05:12

Client ID: BA2

Instrument: mj.i

Sample Info: MC2RQ1AA,1,0,,,

Purge Volume: 500.0

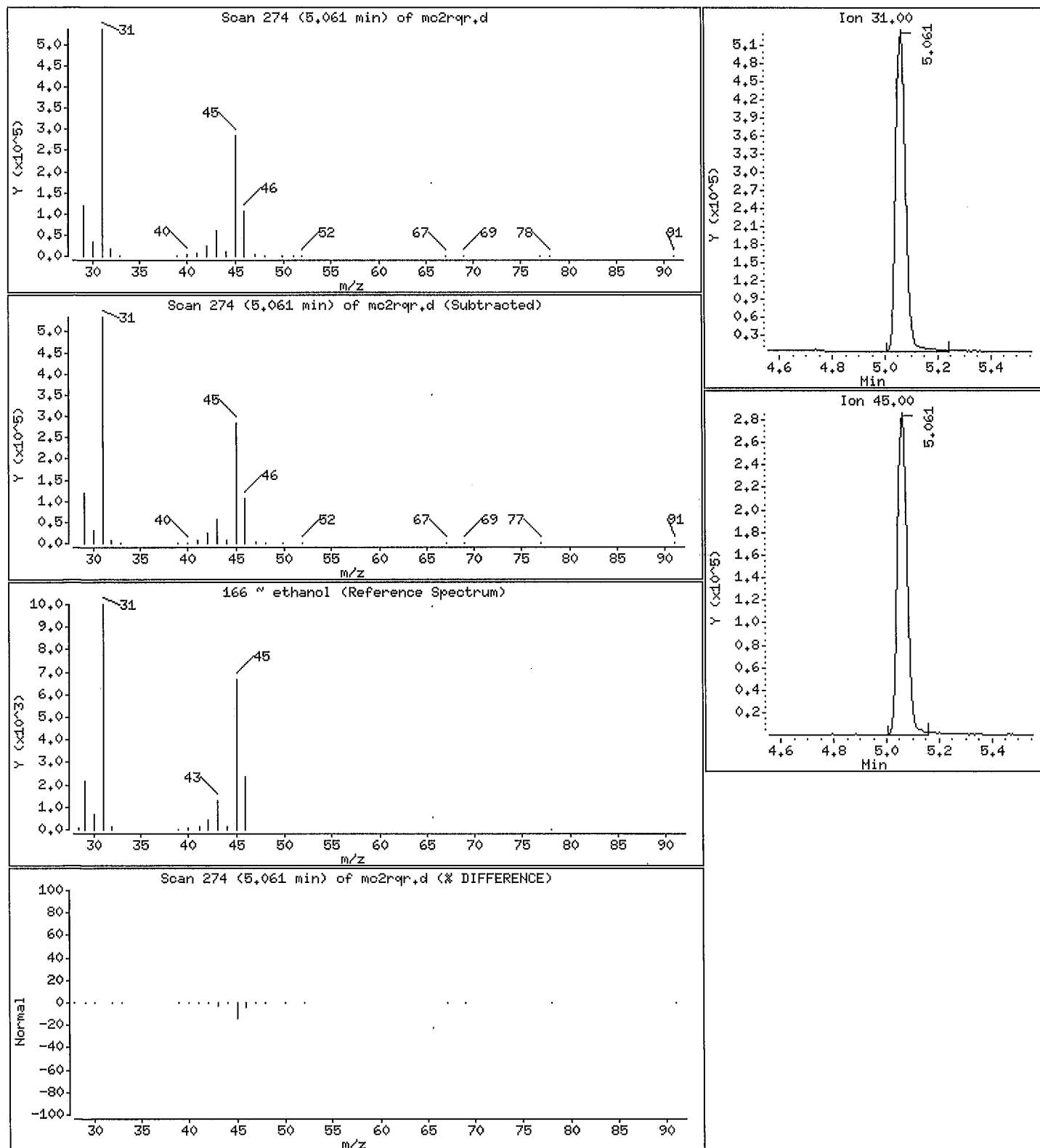
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

166 ~ ethanol

Concentration: 15.07 ppb(v/v)



New York State D.E.C.

Client Sample ID: BA1

GC/MS Volatiles

Lot-Sample # H1A050479 - 002 Work Order # MC2RT1AA Matrix.....: AIR

Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/11/2011
 Prep Batch #....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	19	0.80	36	1.5
Ethylbenzene	0.14	0.080	0.60	0.35
Trichlorofluoromethane	0.25	0.080	1.4	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.35	0.20	1.2	0.70
2,2,4-Trimethylpentane	0.21	0.20	0.99	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.28	0.20	0.99	0.69
Benzene	0.53	0.080	1.7	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	2.1	0.080	15	0.54
Toluene	2.0	0.080	7.4	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.14	0.040	0.73	0.21
1,2,4-Trimethylbenzene	0.40	0.080	2.0	0.39
1,3,5-Trimethylbenzene	0.12	0.080	0.57	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.17	0.080	0.73	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	0.44	0.080	1.9	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.2	0.32	3.5	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.10	0.040	0.63	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	0.71	0.20	1.5	0.41

New York State D.E.C.

Client Sample ID: BA1

GC/MS Volatiles

Lot-Sample # H1A050479 - 002 Work Order # MC2RT1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.54	0.080	2.7	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

Modified Method TO-14/TO-15
 Data file : /var/chem/gcms/mj.i/J011011.b/mc2rtr.d
 Lab Smp Id: MC2RT1AA Client Smp ID: BA1
 Inj Date : 11-JAN-2011 06:04
 Operator : 22980 Inst ID: mj.i
 Smp Info : MC2RT1AA,1,0,,,
 Misc Info : J011011,TO15,nysdec.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J011011.b/TO15.m
 Meth Date : 11-Jan-2011 13:01 barlozha Quant Type: ISTD
 Cal Date : 10-JAN-2011 12:07 Cal File: j1pta10.d
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: nysdec.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

✓
2/1/21

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb (v/v))	FINAL (ppb (v/v))
* 1 Bromochloromethane	128		9.409	9.404	(1.000)	325464	4.00000	4.000
* 2 1,4-Difluorobenzene	114		11.577	11.577	(1.000)	1614649	4.00000	4.000
* 3 Chlorobenzene-d5	117		16.246	16.247	(1.000)	1364841	4.00000	4.000
\$ 6 4-Bromofluorobenzene	95		17.865	17.866	(1.100)	958021	4.00647	4.006
8 Dichlorodifluoromethane	85		3.970	3.971	(0.422)	175372	0.54229	0.5423
10 Chloromethane	52		4.174	4.175	(0.444)	35317	0.70723	0.7072
20 Trichlorofluoromethane	101		5.605	5.606	(0.596)	64934	0.25292	0.2529
31 Methylene Chloride	84		6.746	6.736	(0.717)	26547	0.28433	0.2843
38 Hexane	56		8.639	8.635	(0.918)	35599	0.34760	0.3476
39 2-Butanone	72		8.596	8.592	(0.914)	36809	1.20293	1.203
48 Benzene	78		11.060	11.056	(0.955)	164169	0.52786	0.5278
49 Carbon Tetrachloride	117		11.082	11.083	(0.957)	17449	0.09998	0.09998
50 2,2,4-trimethylpentane	57		11.792	11.793	(1.019)	127747	0.21198	0.2120
53 Trichloroethene	130		12.281	12.282	(1.061)	18164	0.13623	0.1362
61 Toluene	91		14.299	14.299	(0.880)	560788	1.97650	1.976

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d
 Report Date: 11-Jan-2011 13:06

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
						(ppb (v/v))	(ppb (v/v))	
=====	=====	==	=====	=====	=====	=====	=====	
67 Tetrachloroethene	129	15.428	15.429	(0.950)	247902	2.14691	2.147	
69 Ethylbenzene	91	16.574	16.575	(1.020)	41897	0.13849	0.1385	
70 m&p-Xylene	91	16.730	16.731	(1.030)	100360	0.43938	0.4394	
74 o-Xylene	91	17.257	17.258	(1.062)	39774	0.16921	0.1692	
81 1,3,5-Trimethylbenzene	120	18.559	18.560	(1.142)	12295	0.11525	0.1152	
84 1,2,4-Trimethylbenzene	105	18.984	18.985	(1.169)	81728	0.40209	0.4021	
166 ~ ethanol	31	5.062	5.054	(0.538)	1713478	19.1370	19.14 (A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: mj.i	Calibration Date: 10-JAN-2011
Lab File ID: mc2rtr.d	Calibration Time: 10:50
Lab Smp Id: MC2RT1AA	Client Smp ID: BA1
Analysis Type: OTHER	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: 22980	
Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m	
Misc Info: J011011,TO15,nysdec.sub,,,	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	322813	192074	453552	325464	0.82
2 1,4-Difluorobenze	1506919	896617	2117221	1614649	7.15
3 Chlorobenzene-d5	1266542	753592	1779492	1364841	7.76

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	9.40	9.07	9.73	9.41	0.05
2 1,4-Difluorobenze	11.58	11.25	11.91	11.58	-0.01
3 Chlorobenzene-d5	16.25	15.92	16.58	16.25	-0.01

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

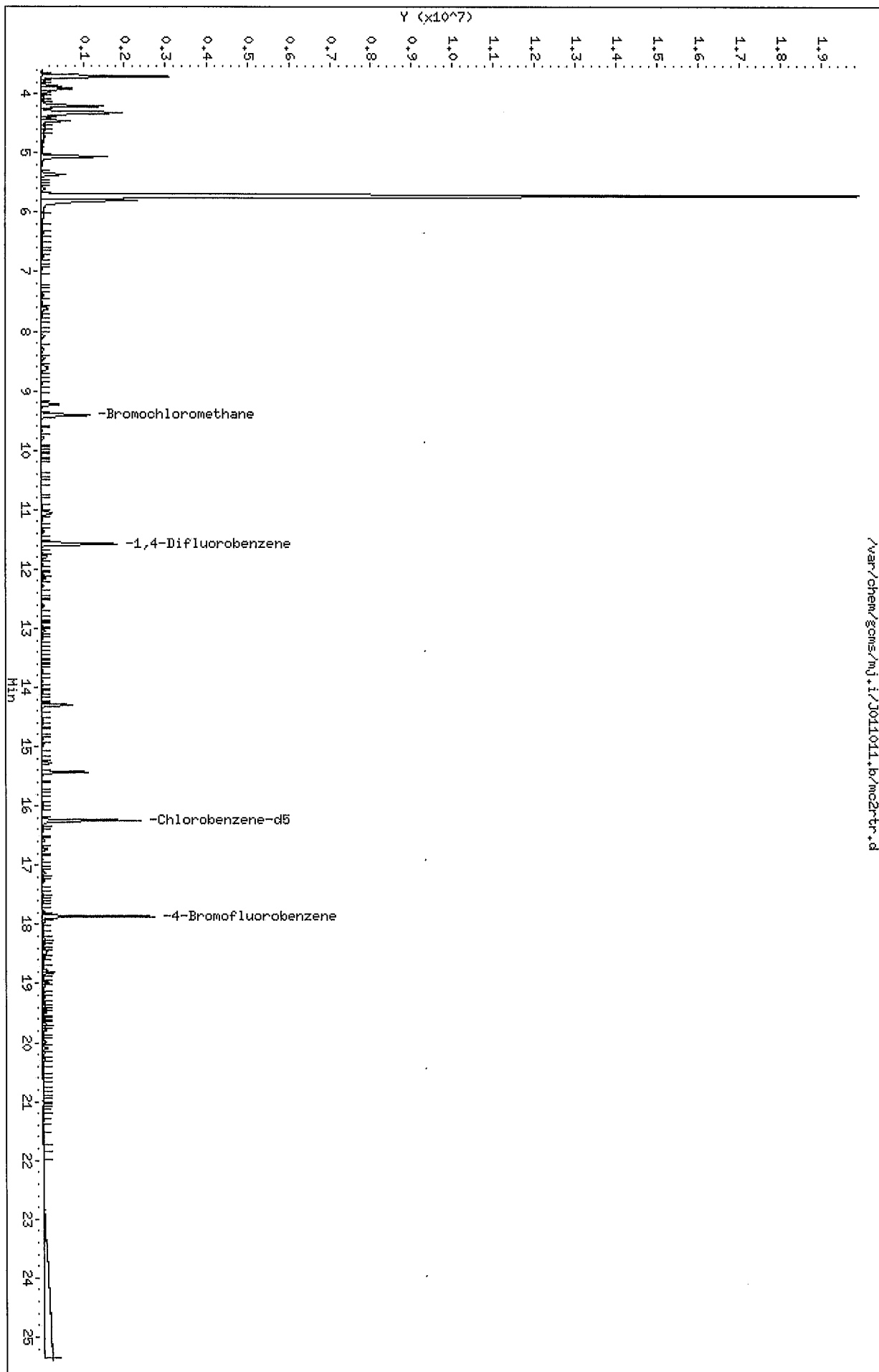
RECOVERY REPORT

Client Name: New York State D.E.C04-JAN-2011 00:00 Client SDG: H1A050479
 Sample Matrix: GAS Fraction: OTHER
 Lab Smp Id: MC2RT1AA Client Smp ID: BA1
 Level: LOW Operator: 22980
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: allnew.spk Quant Type: ISTD
 Sublist File: nysdec.sub
 Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m
 Misc Info: J011011,TO15,nysdec.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
\$ 6 4-Bromofluorobenze	4.000	4.006	100.16	70-130

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d
Date: 11-JUN-2011 06:04
Client ID: B41
Sample Info: MC2R1A9,1.0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

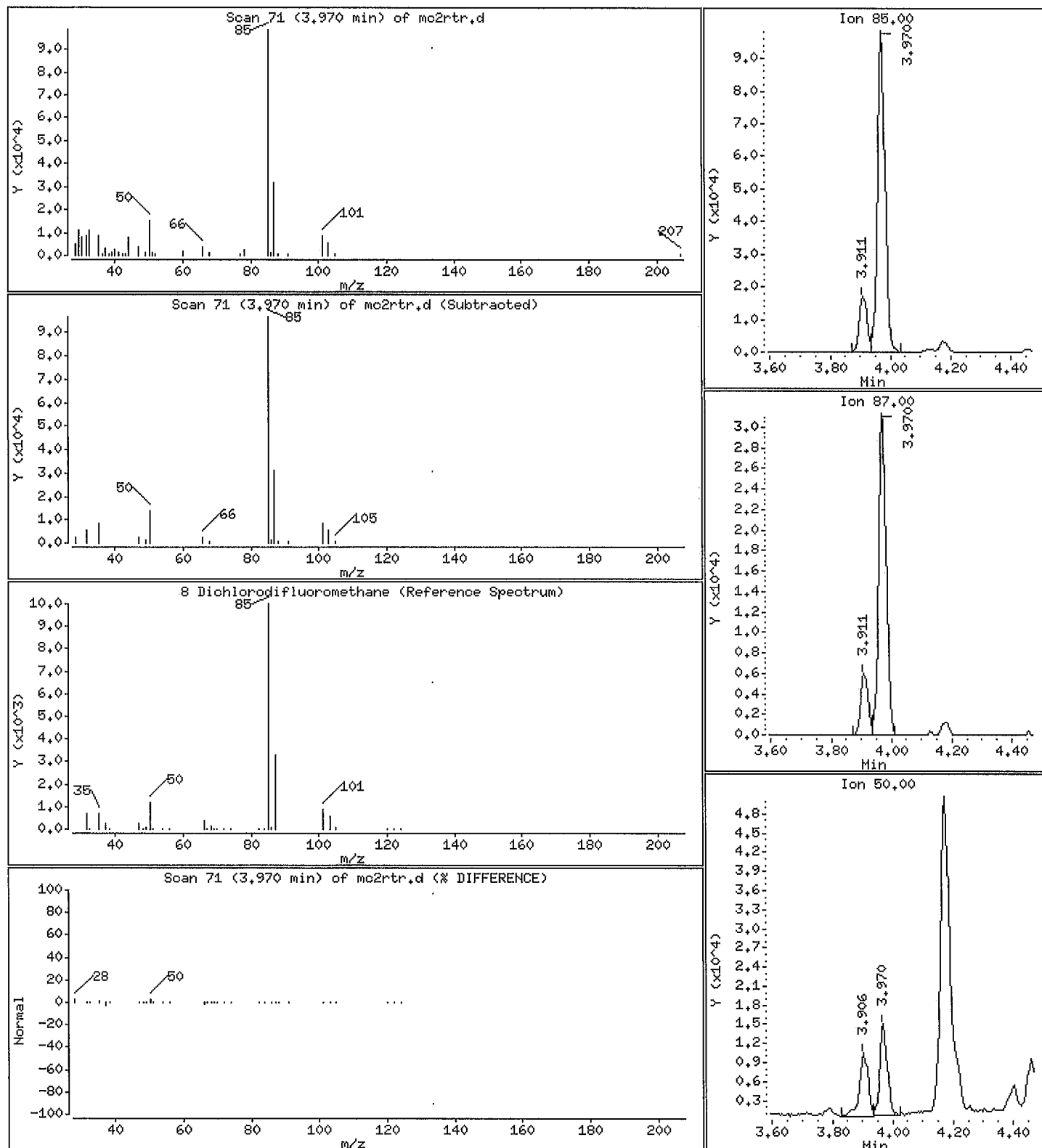
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

8 Dichlorodifluoromethane

Concentration: 0.5423 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

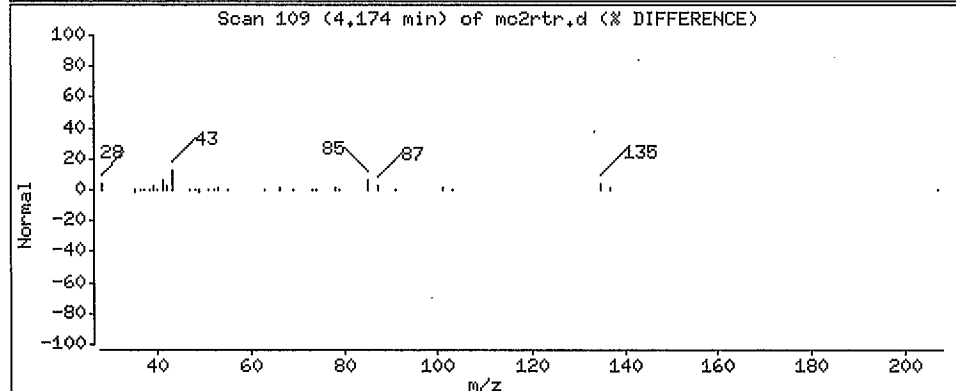
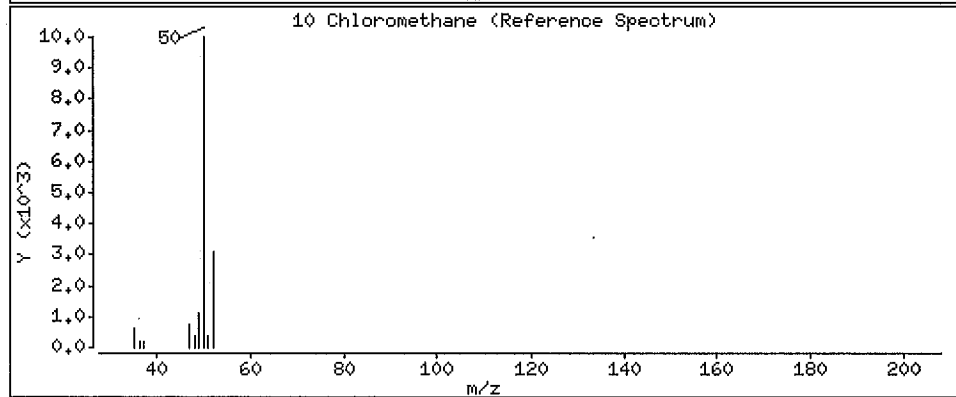
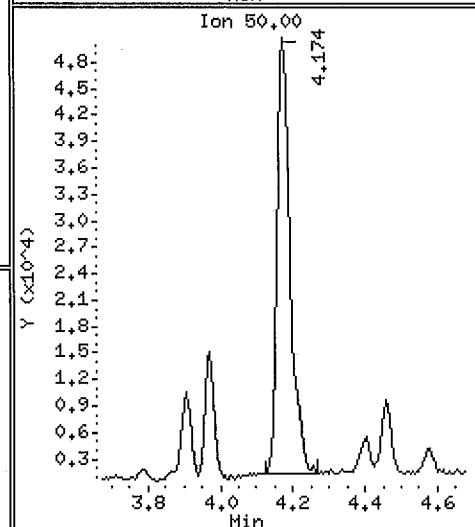
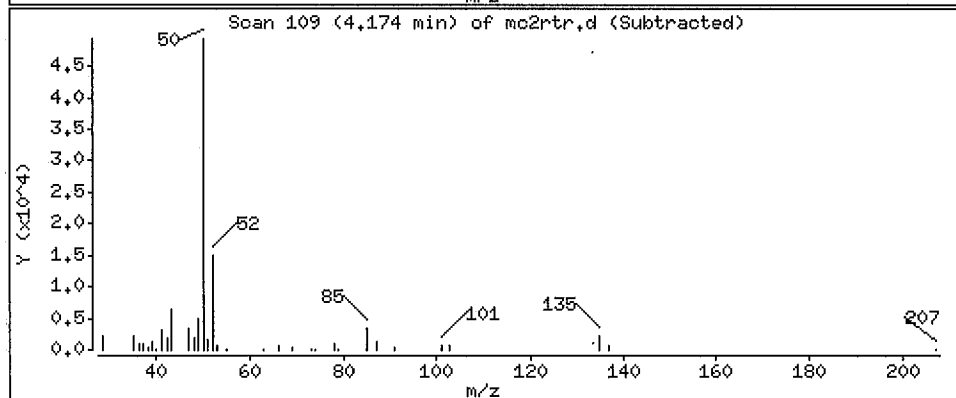
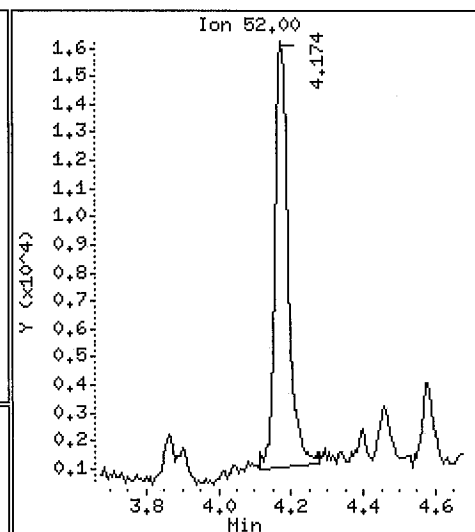
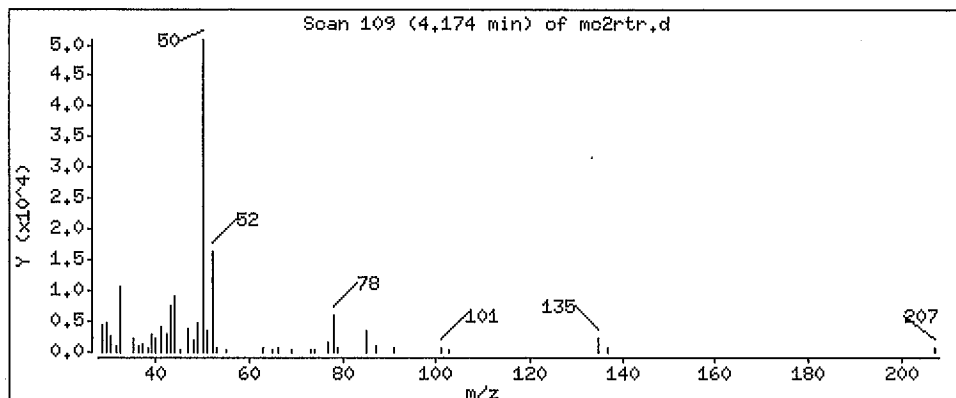
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

10 Chloromethane

Concentration: 0.7072 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

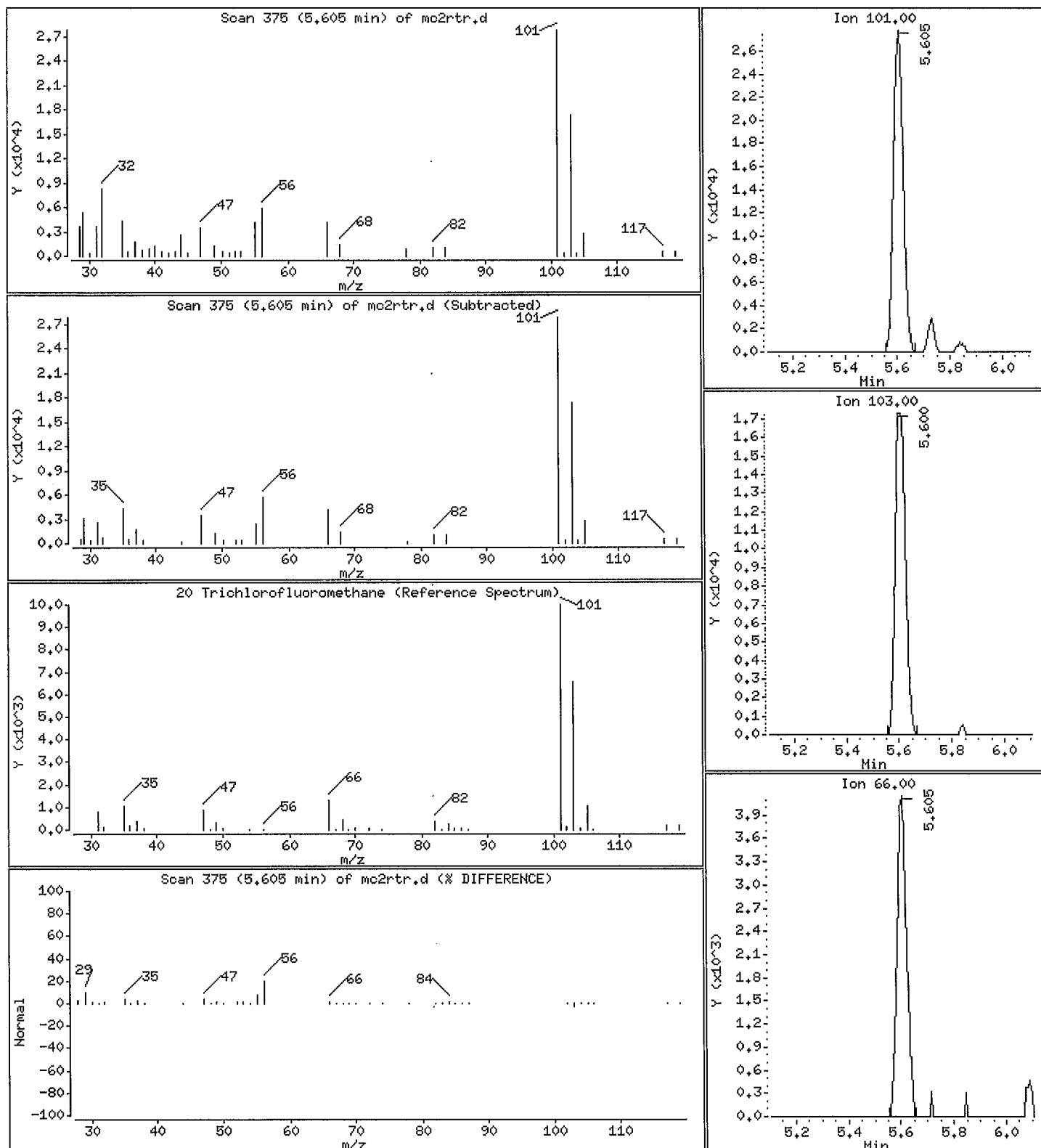
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

20 Trichlorofluoromethane

Concentration: 0.2529 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

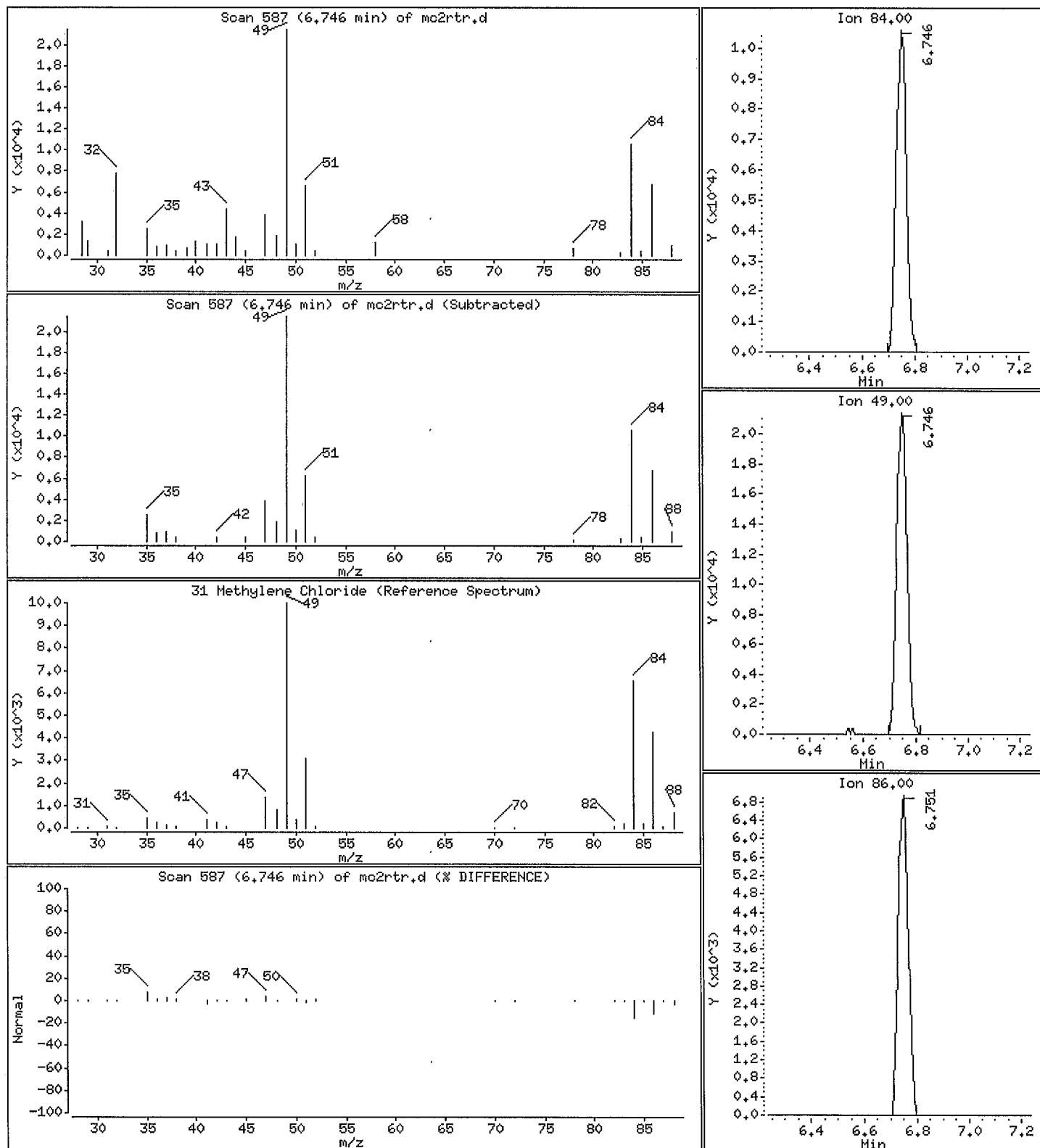
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

31 Methylene Chloride

Concentration: 0.2843 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

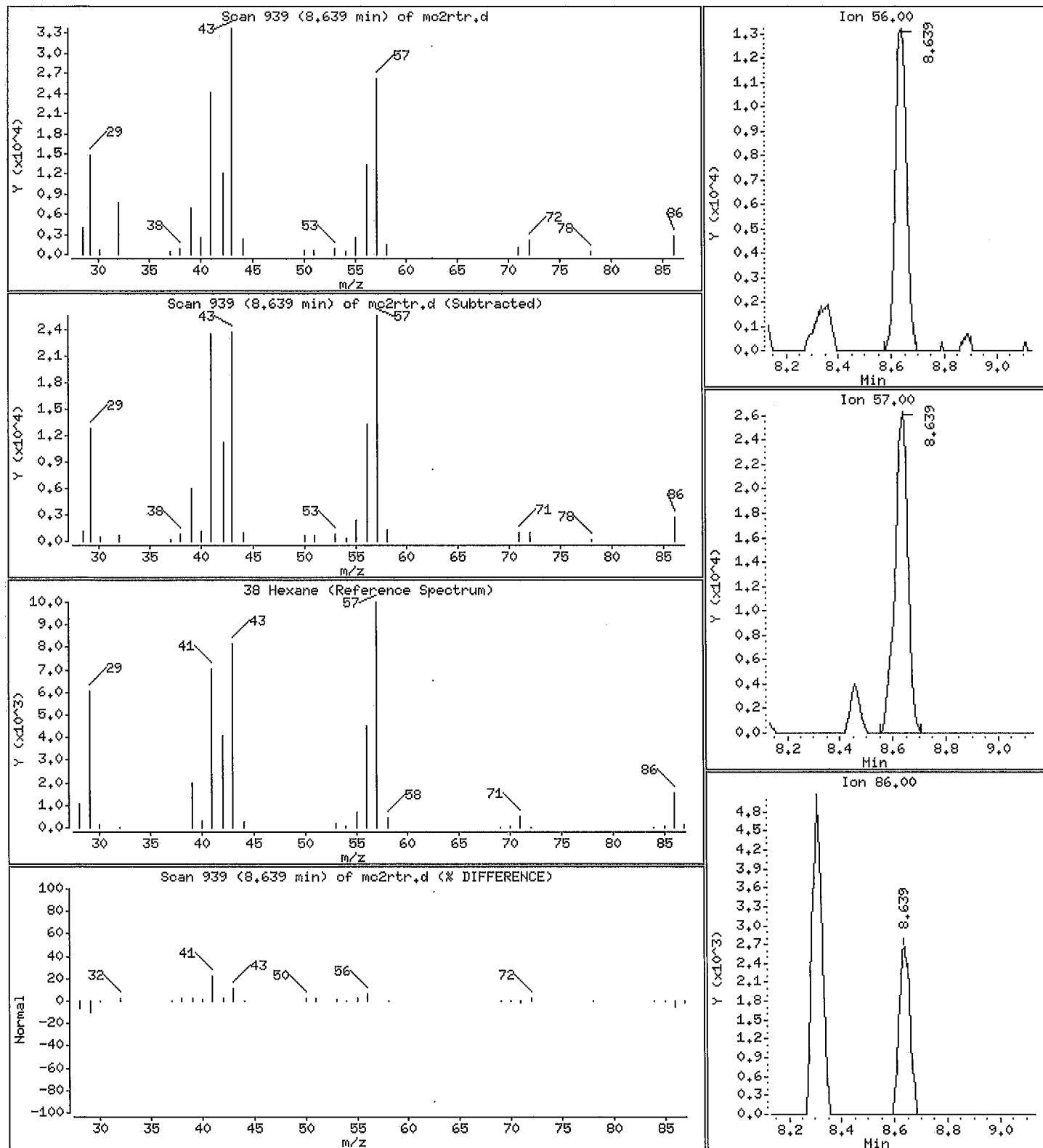
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

38 Hexane

Concentration: 0.3476 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date: 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

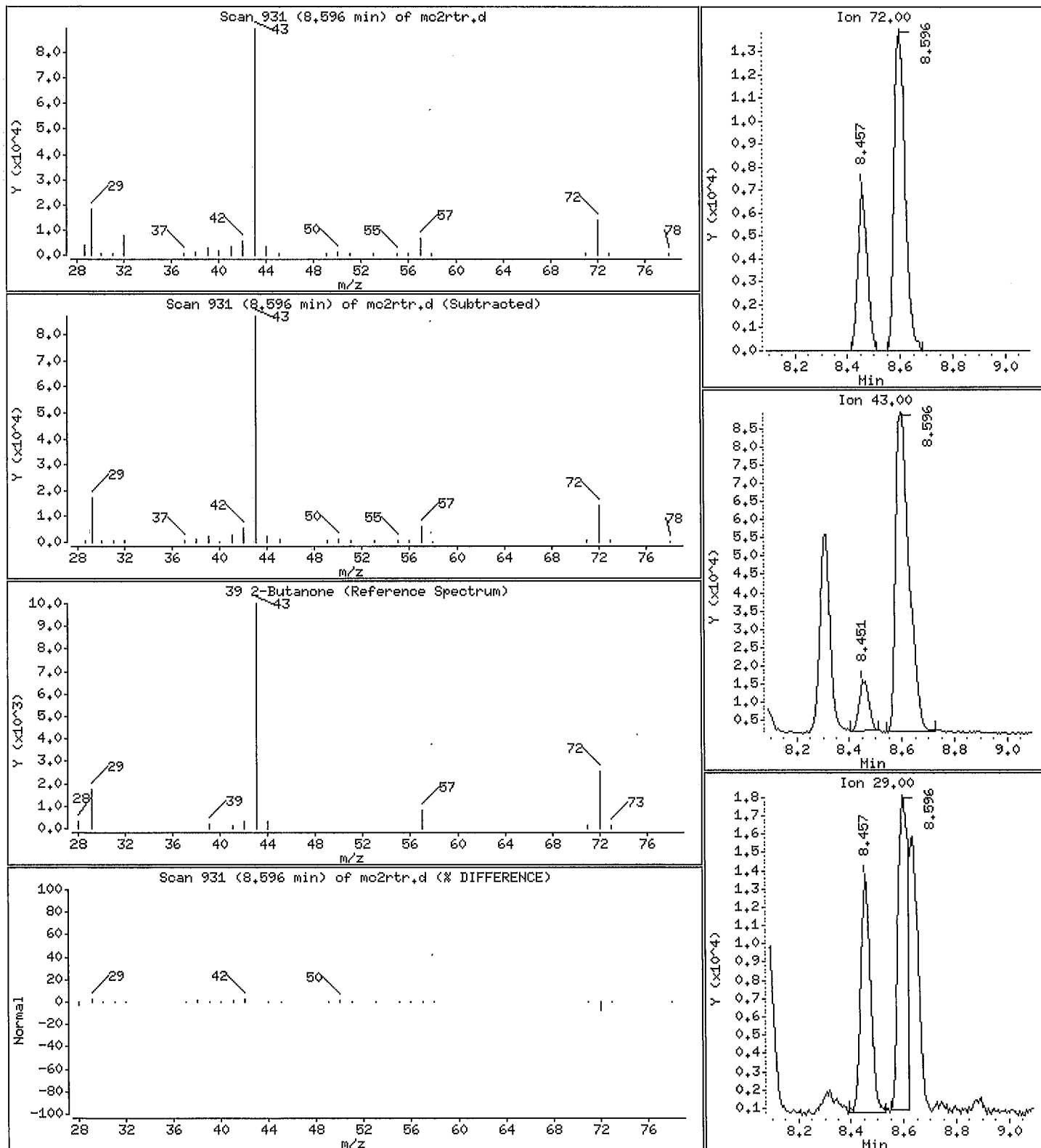
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

39 2-Butanone

Concentration: 1.203 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

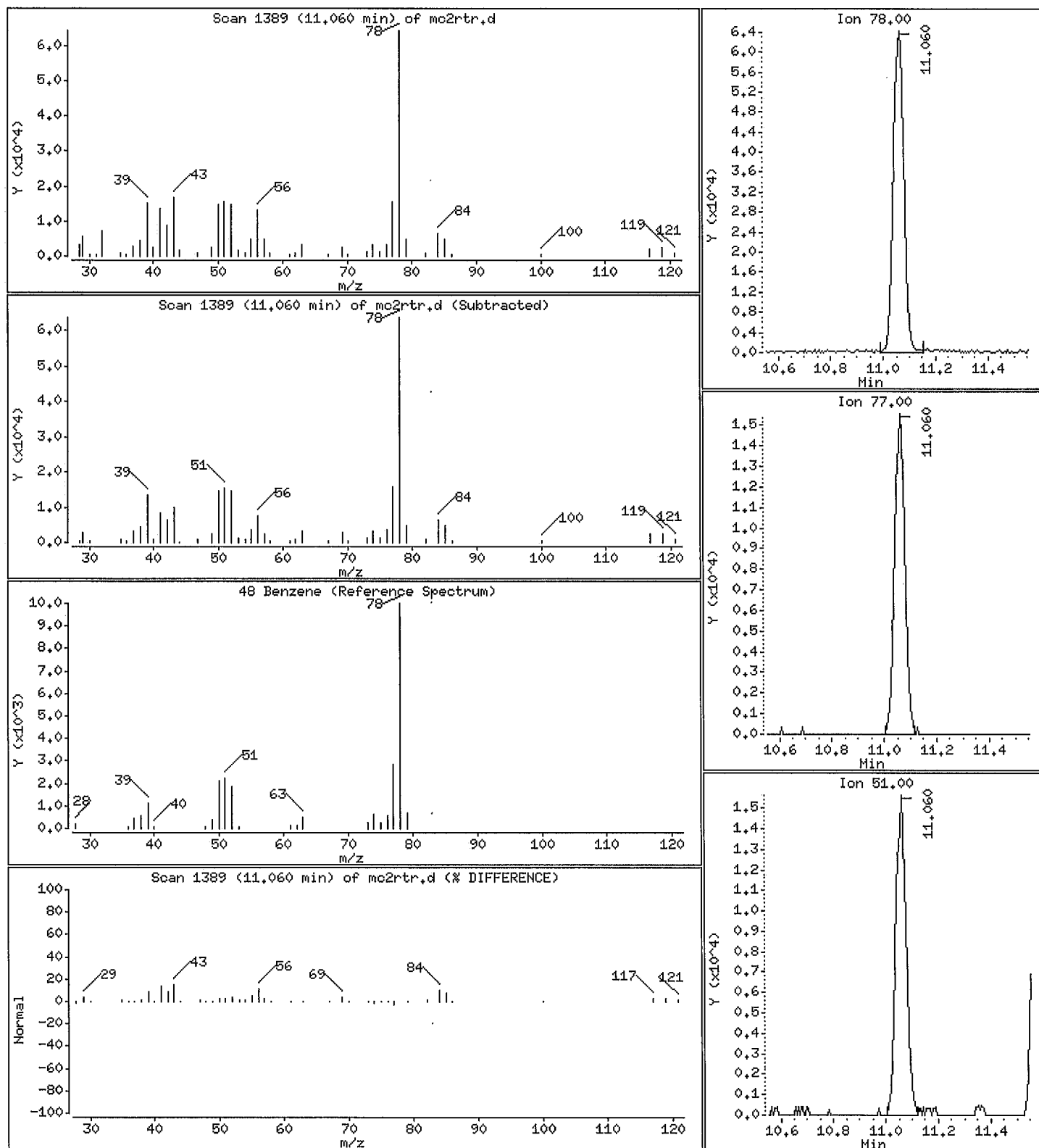
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

48 Benzene

Concentration: 0.5278 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date: 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

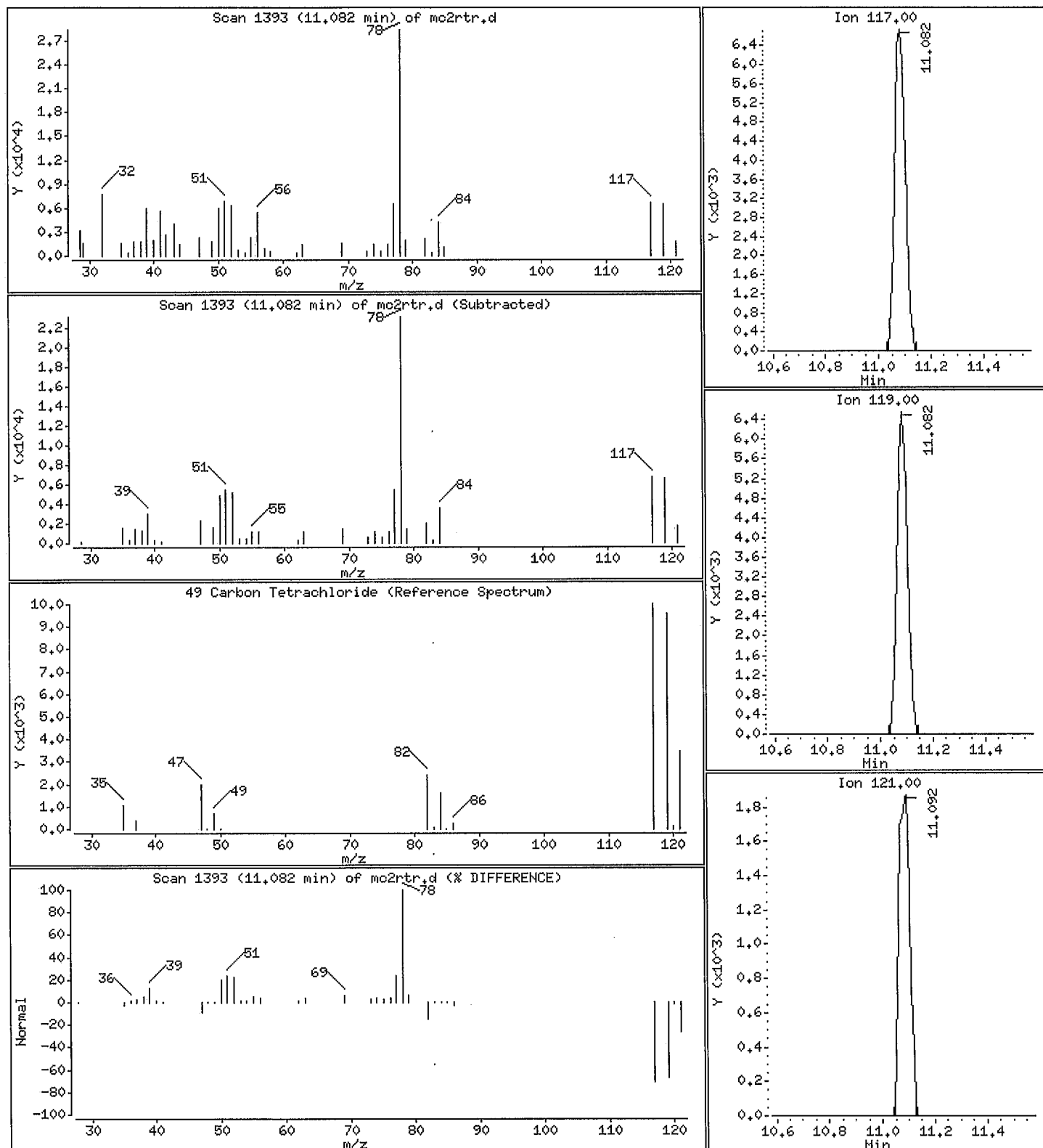
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

49 Carbon Tetrachloride

Concentration: 0.09998 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rtr,d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

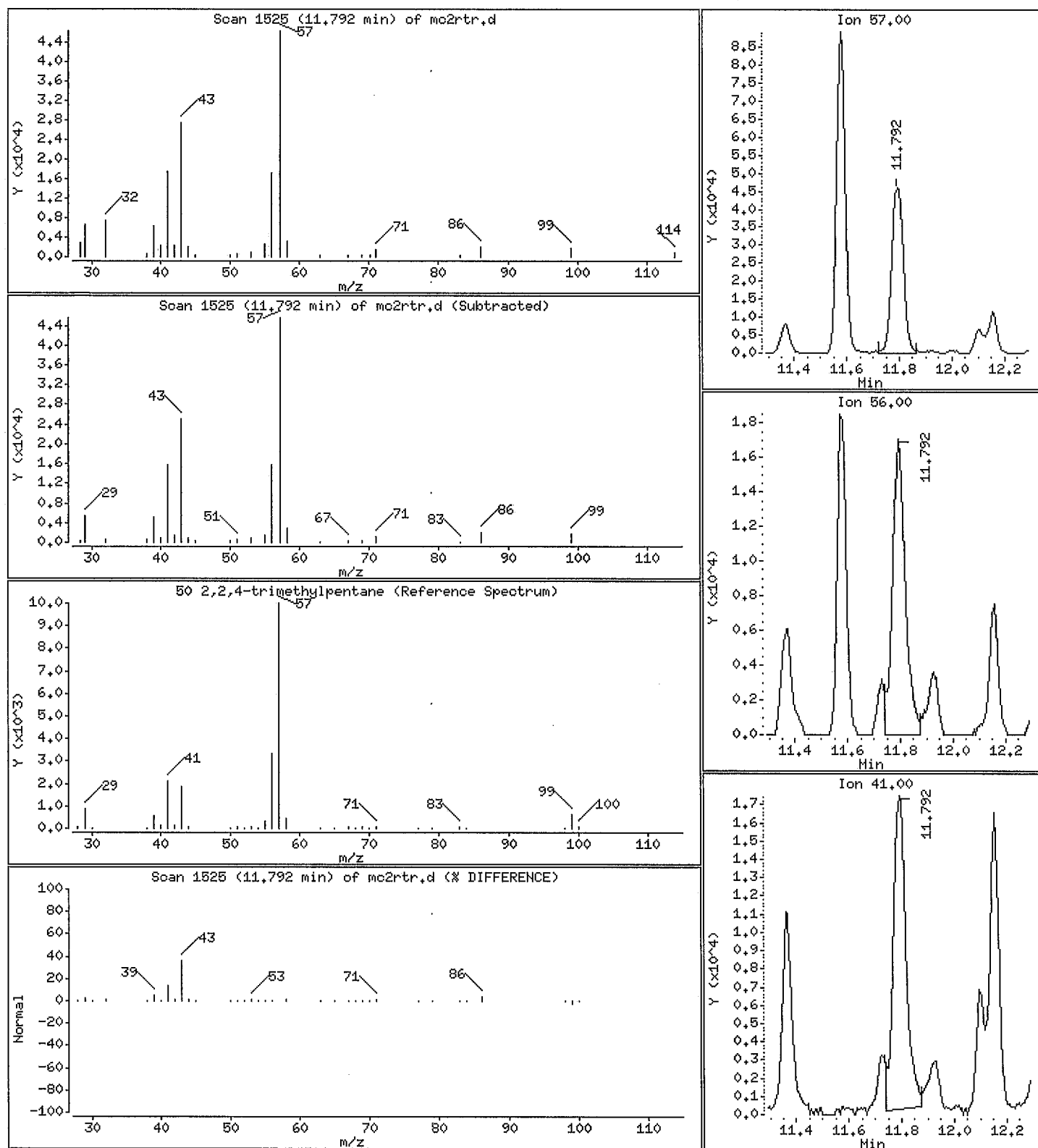
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

50 2,2,4-trimethylpentane

Concentration: 0.2120 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

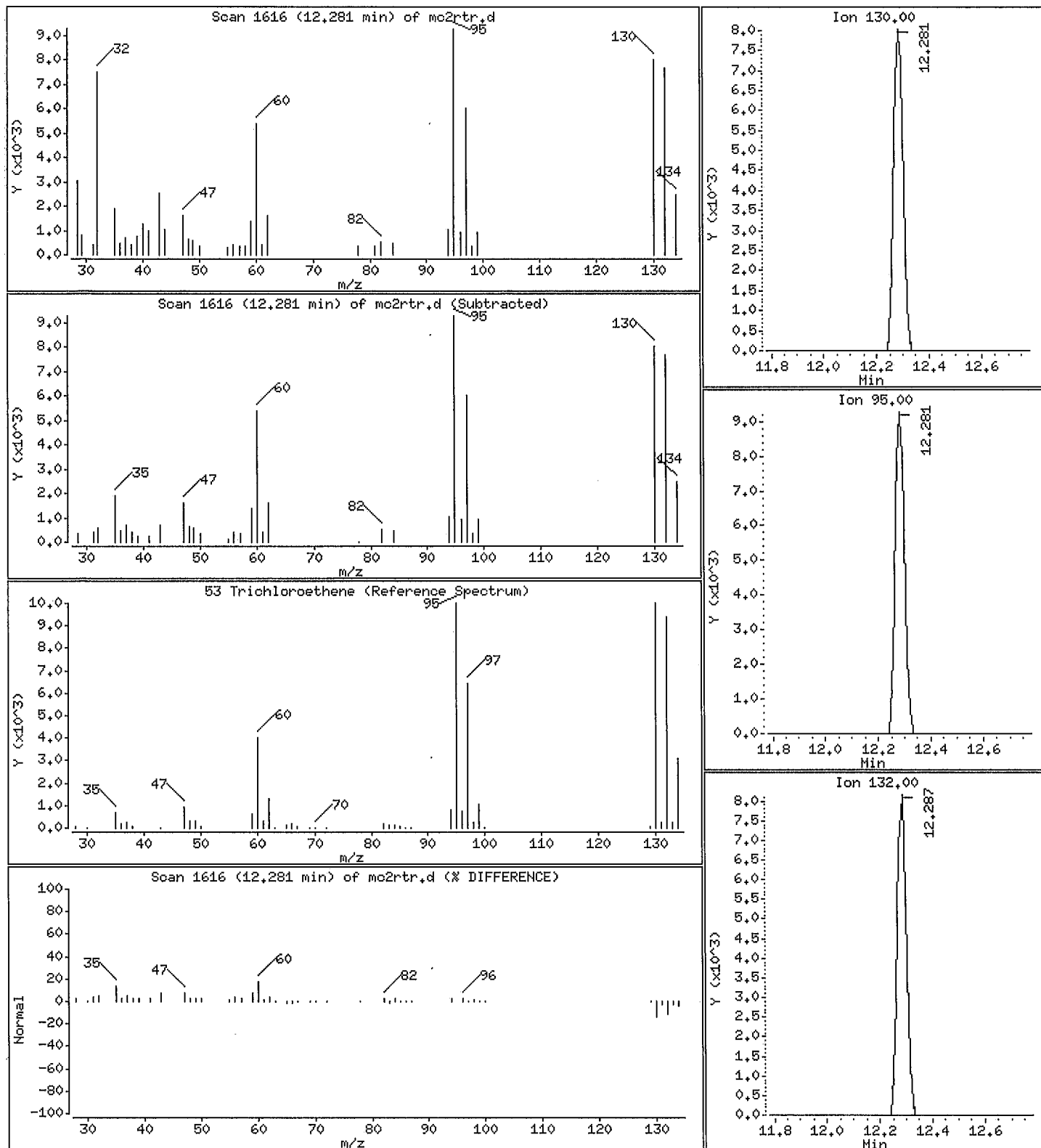
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

53 Trichloroethene

Concentration: 0.1362 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

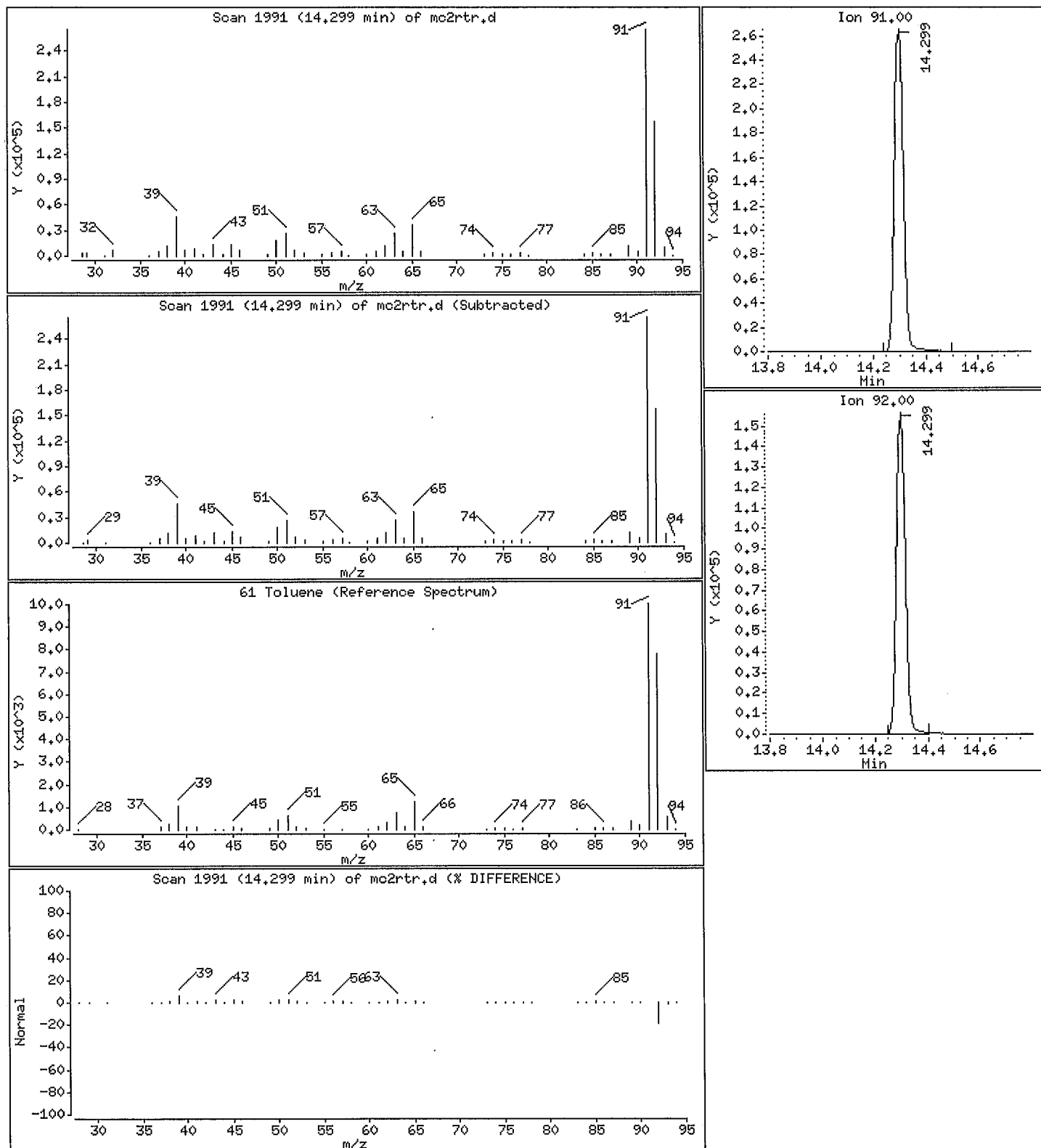
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

61 Toluene

Concentration: 1.976 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date: 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,

Purge Volume: 500.0

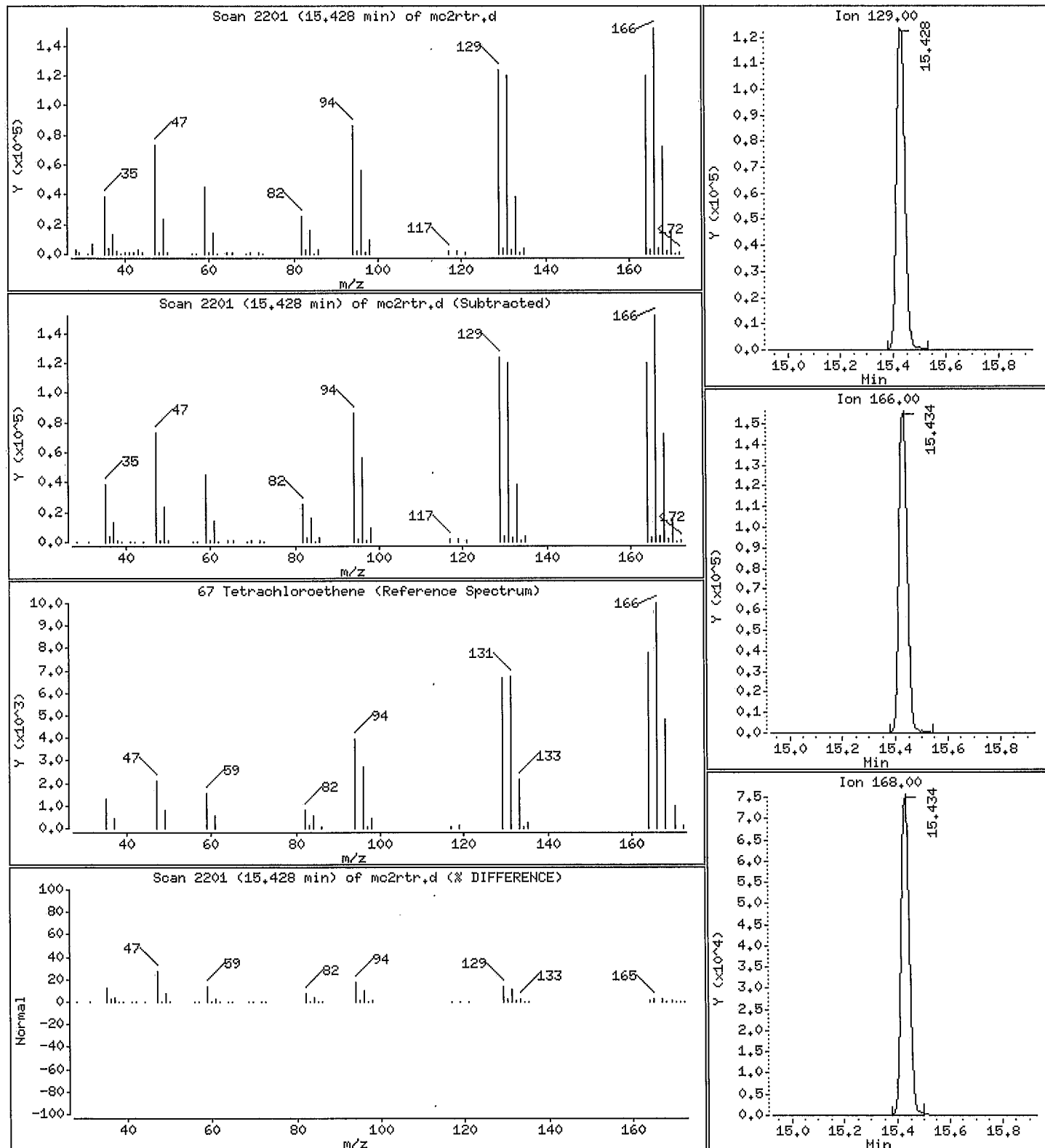
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

67 Tetrachloroethene

Concentration: 2,147 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rtr,d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj,i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

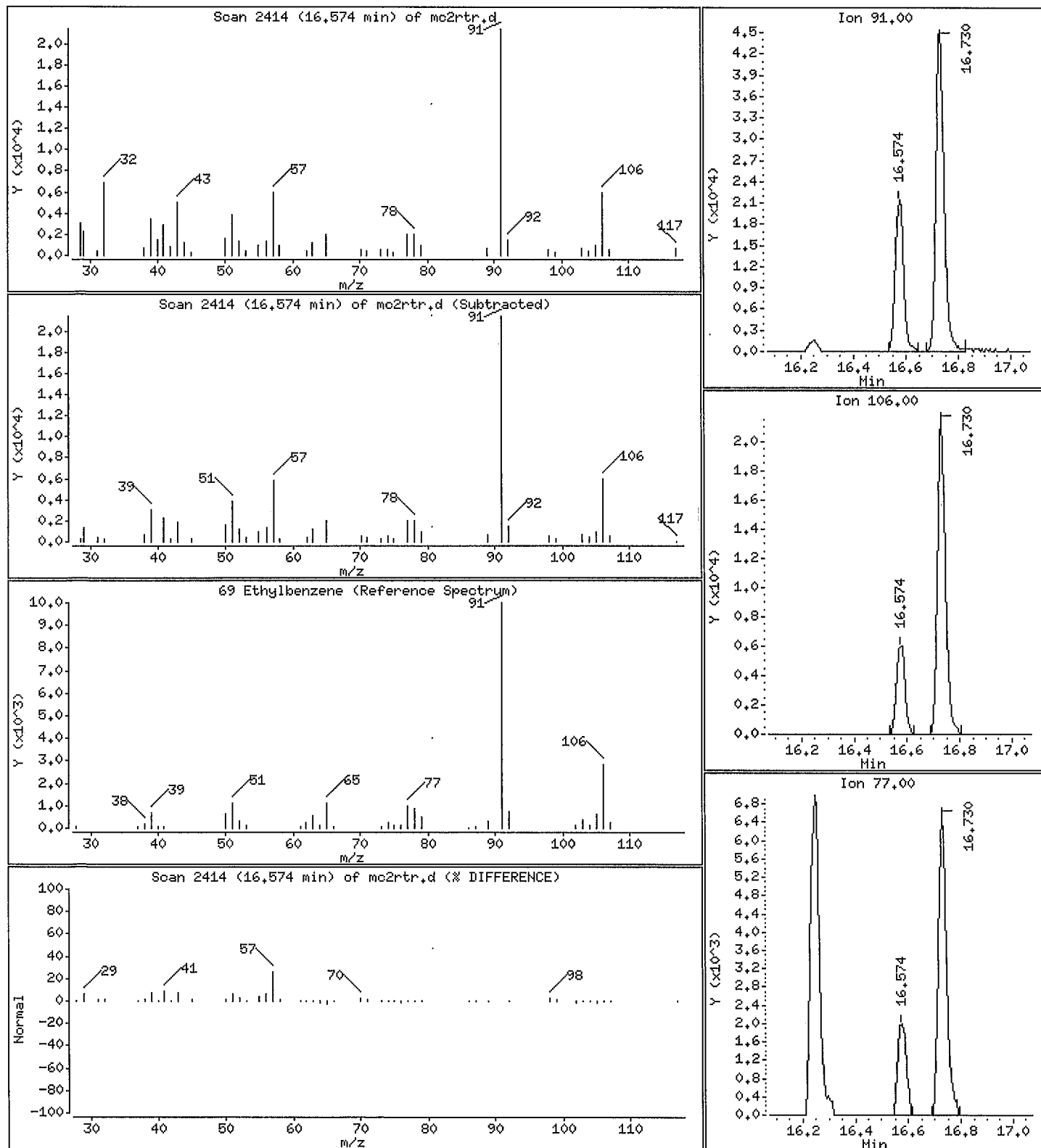
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

69 Ethylbenzene

Concentration: 0.1385 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date: 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

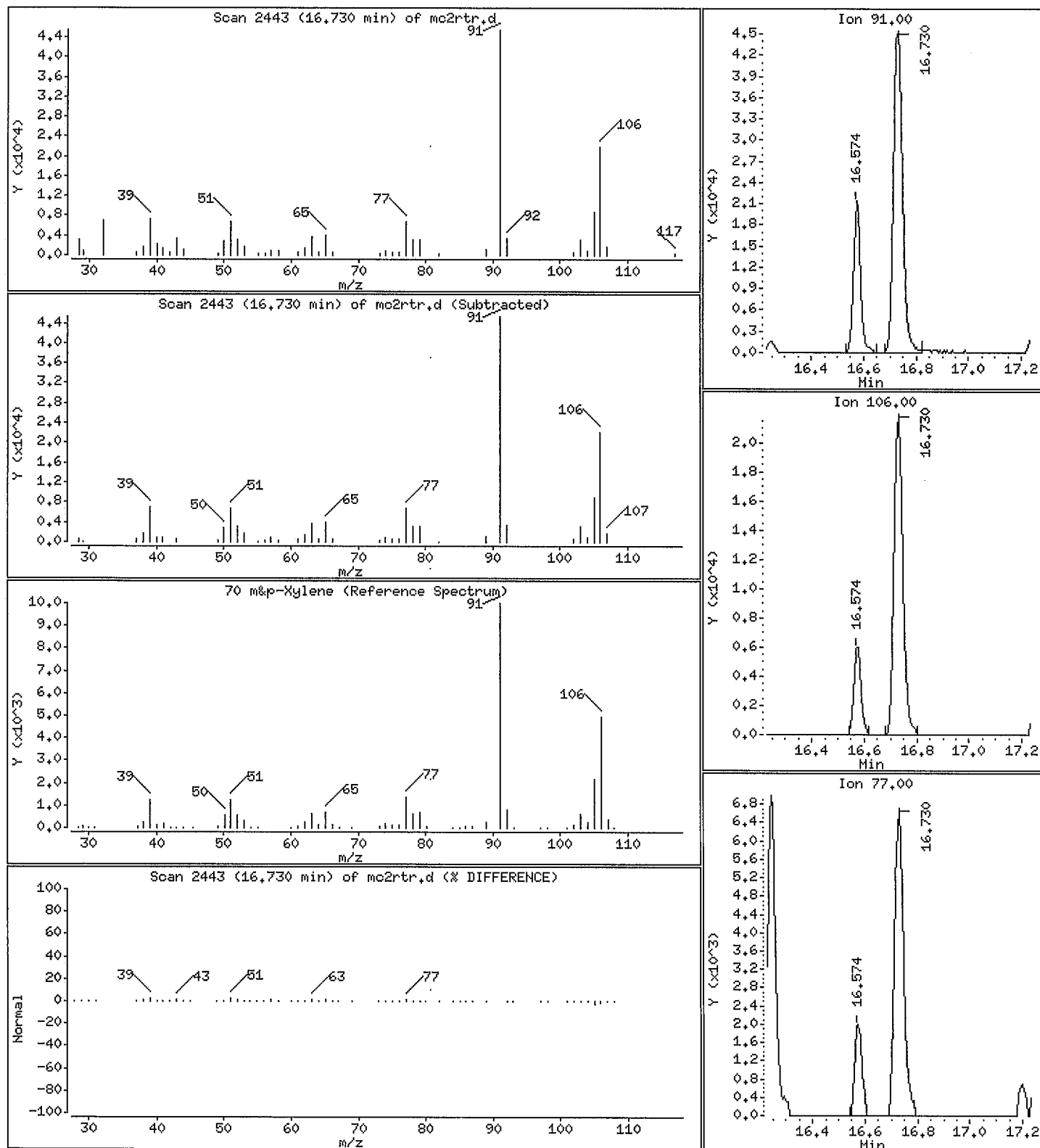
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

70 m&p-Xylene

Concentration: 0.4394 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

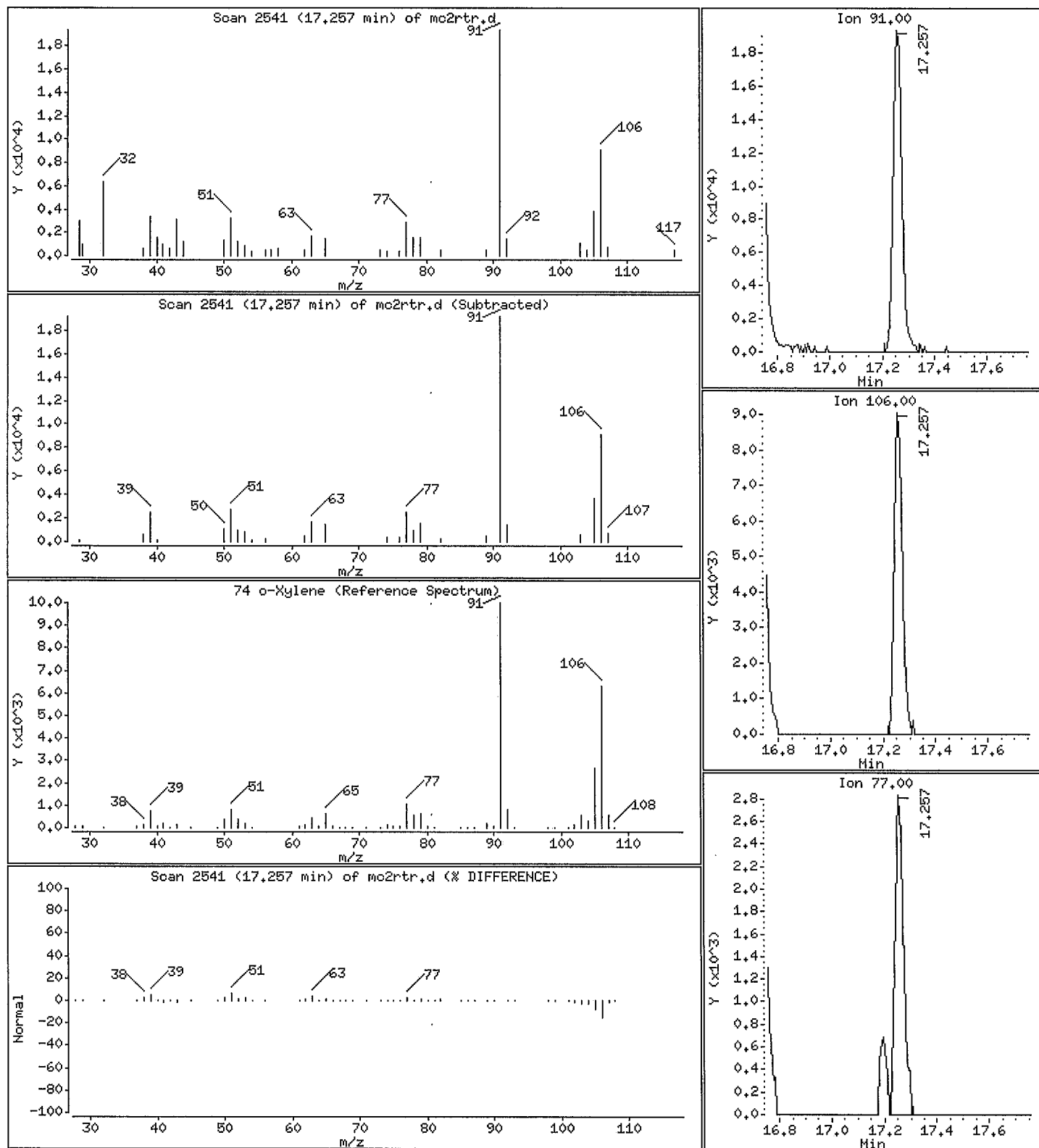
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

74 o-Xylene

Concentration: 0.1692 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

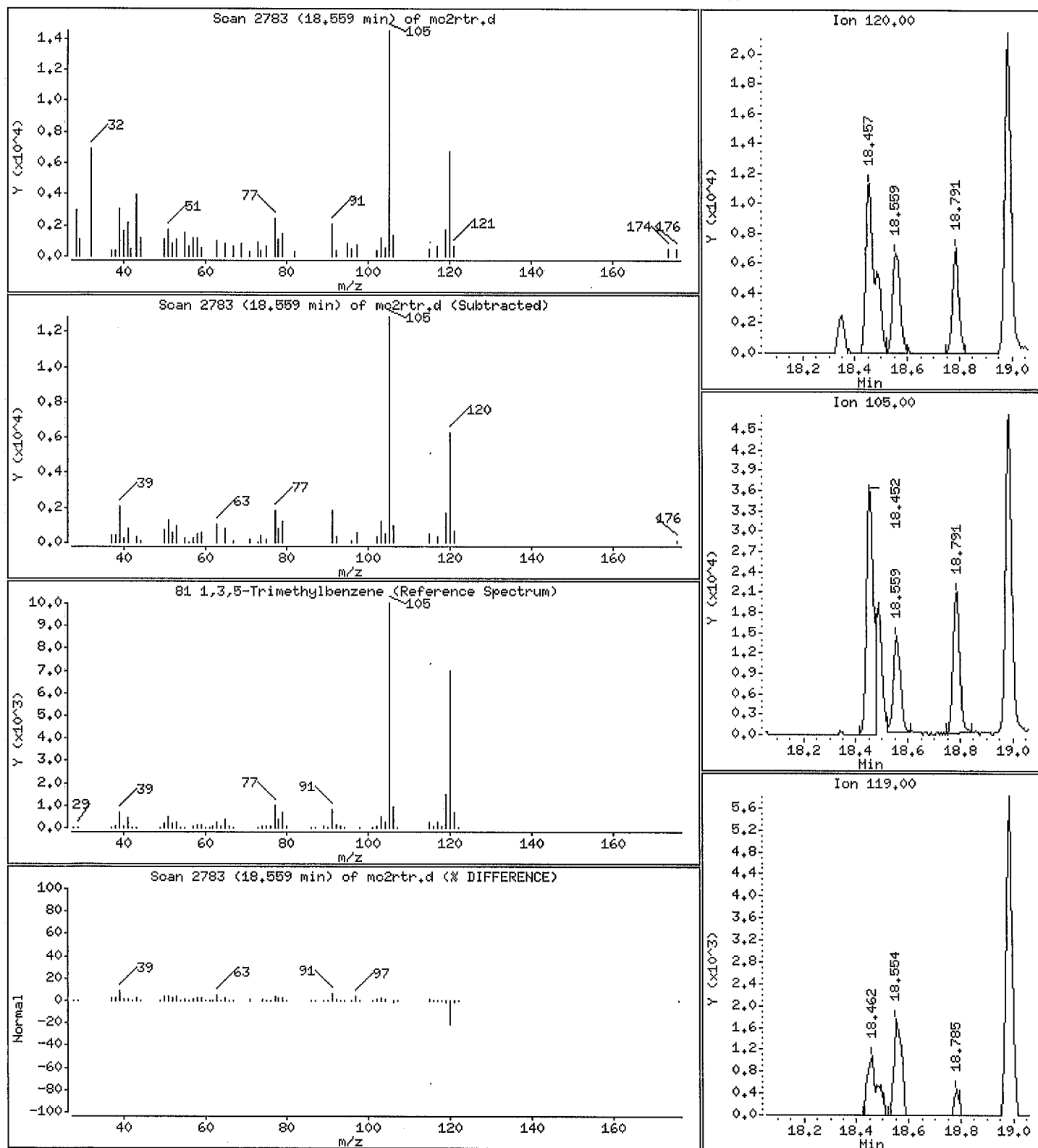
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

81 1,3,5-Trimethylbenzene

Concentration: 0.1152 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: MC2RT1AA,1,0,,,

Purge Volume: 500.0

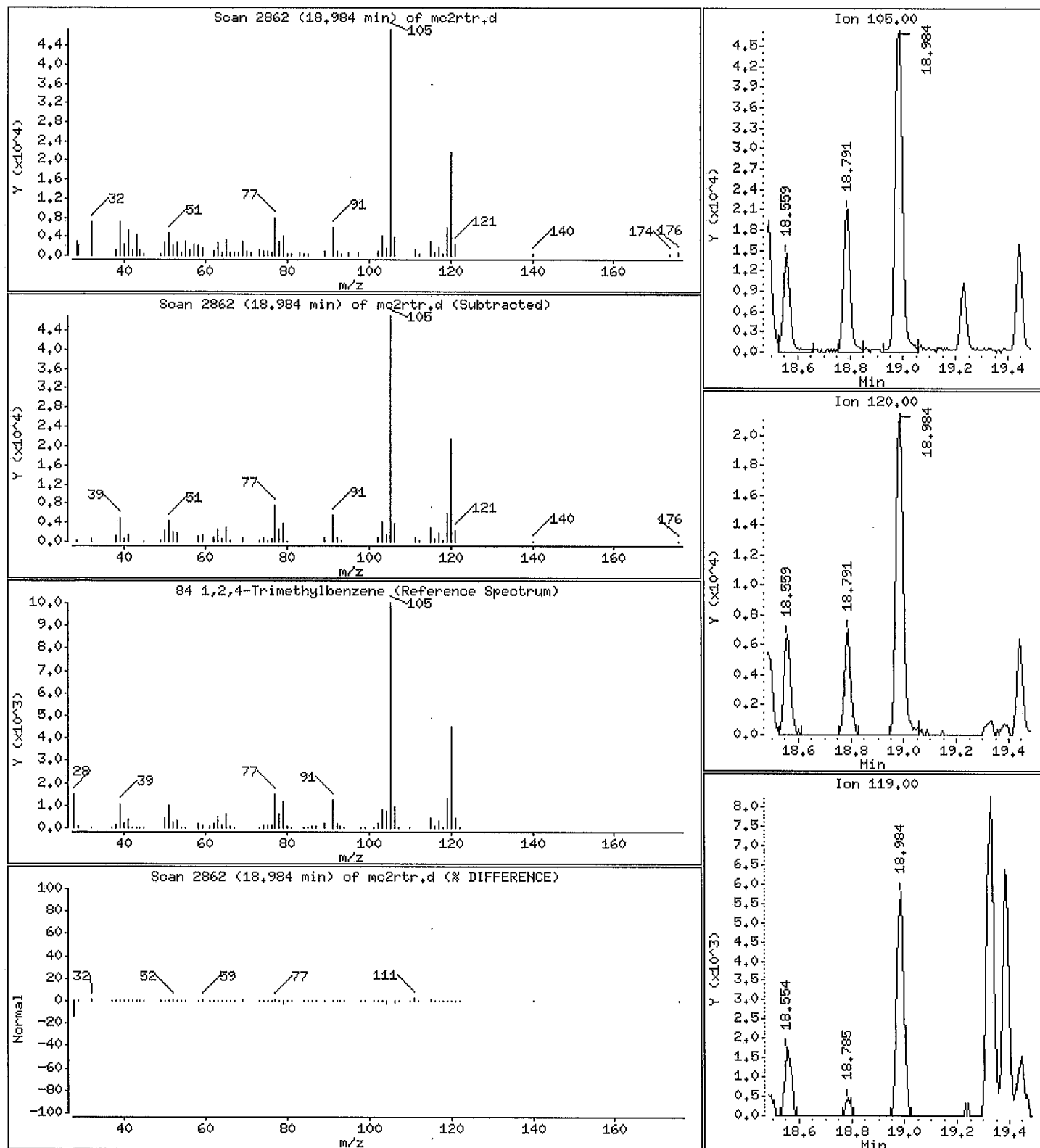
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

84 1,2,4-Trimethylbenzene

Concentration: 0.4021 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rtr.d

Date : 11-JAN-2011 06:04

Client ID: BA1

Instrument: mj.i

Sample Info: HC2RT1AA,1,0,,

Purge Volume: 500.0

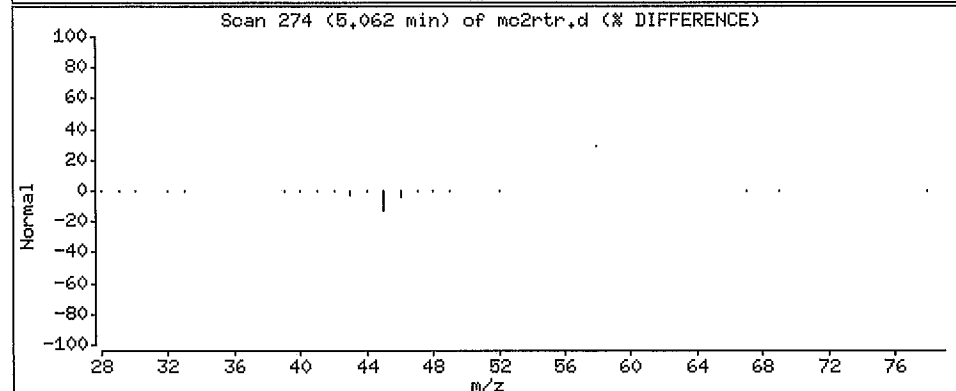
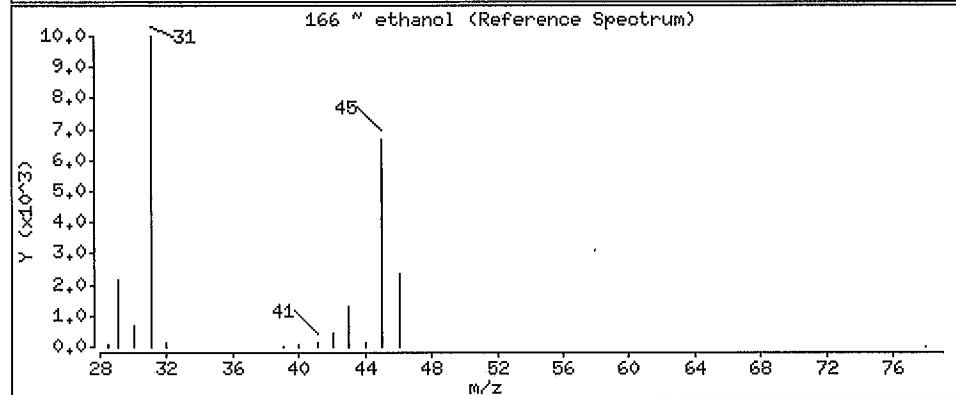
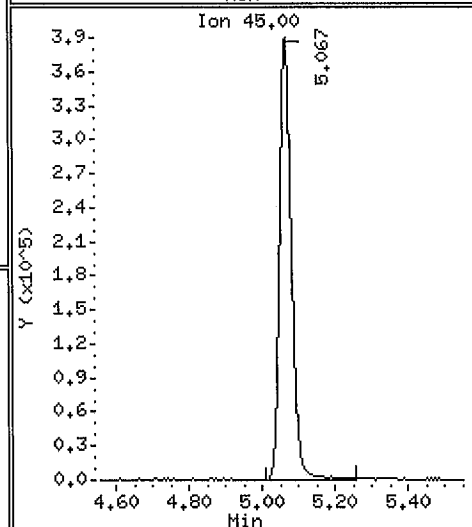
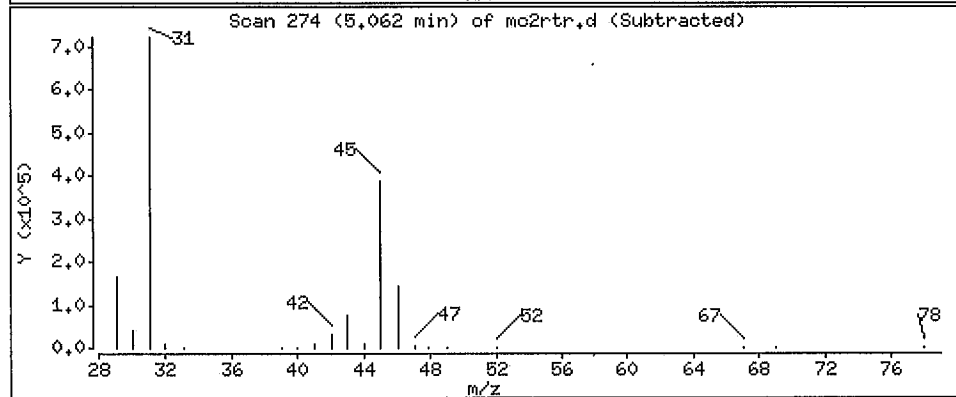
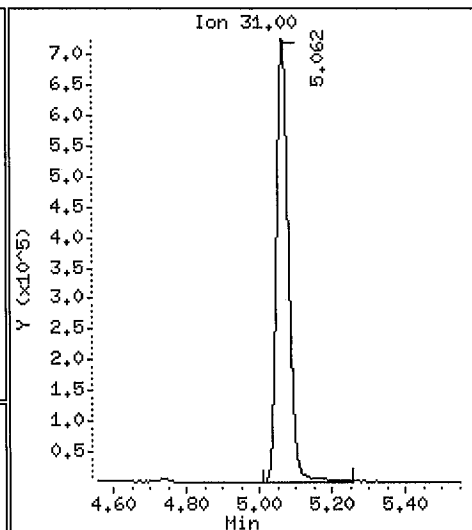
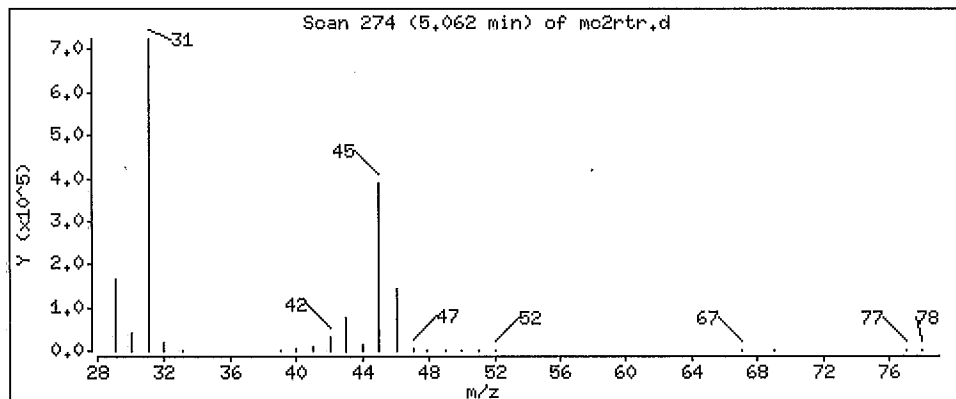
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

166 ~ ethanol

Concentration: 19.14 ppb(v/v)



New York State D.E.C.

Client Sample ID: OA

GC/MS Volatiles

Lot-Sample # H1A050479 - 003 Work Order # MC2RW1AA Matrix.....: AIR

Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/11/2011
 Prep Batch #....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	14	0.80	26	1.5
Ethylbenzene	0.14	0.080	0.62	0.35
Trichlorofluoromethane	0.30	0.080	1.7	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.40	0.20	1.4	0.70
2,2,4-Trimethylpentane	0.24	0.20	1.1	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.49	0.20	1.7	0.69
Benzene	0.58	0.080	1.9	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.10	0.080	0.70	0.54
Toluene	1.1	0.080	4.2	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.23	0.040	1.2	0.21
1,2,4-Trimethylbenzene	0.15	0.080	0.75	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.16	0.080	0.70	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	0.085	0.080	0.65	0.61
m-Xylene & p-Xylene	0.45	0.080	2.0	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	0.68	0.32	2.0	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.10	0.040	0.66	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	0.94	0.20	1.9	0.41

New York State D.E.C.

Client Sample ID: OA

GC/MS Volatiles

Lot-Sample # H1A050479 - 003 Work Order # MC2RW1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.62	0.080	3.0	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
SURROGATE		PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)	
4-Bromofluorobenzene		101	60 - 140	

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J011011.b/mc2rwr.d
 Lab Smp Id: MC2RW1AA Client Smp ID: OA
 Inj Date : 11-JAN-2011 07:00 /
 Operator : 22980 Inst ID: mj.i
 Smp Info : MC2RW1AA,1,0,,, /
 Misc Info : J011011,TO15,nysdec.sub,,, /
 Comment :
 Method : /var/chem/gcms/mj.i/J011011.b/TO15.m
 Meth Date : 11-Jan-2011 13:01 barlozha Quant Type: ISTD
 Cal Date : 10-JAN-2011 12:07 Cal File: j1pta10.d
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: nysdec.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ppb (v/v))	FINAL (ppb (v/v))
* 1 Bromochloromethane	128		9.399	9.404	(1.000)	304522	4.00000	4.000	
* 2 1,4-Difluorobenzene	114		11.572	11.577	(1.000)	1521913	4.00000	4.000	
* 3 Chlorobenzene-d5	117		16.247	16.247	(1.000)	1312483	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95		17.861	17.866	(1.099)	931986	4.05308	4.053	
8 Dichlorodifluoromethane	85		3.966	3.971	(0.422)	186126	0.61513	0.6151	
10 Chloromethane	52		4.170	4.175	(0.444)	43817	0.93778	0.9378	
20 Trichlorofluoromethane	101		5.601	5.606	(0.596)	72955	0.30371	0.3037	
30 1,1,2-Trichlorotrifluoroethane	101		6.559	6.558	(0.698)	16302	0.08535	0.08535	
31 Methylene Chloride	84		6.742	6.736	(0.717)	42514	0.48665	0.4866	
38 Hexane	56		8.635	8.635	(0.919)	38804	0.40496	0.4050	
39 2-Butanone	72		8.598	8.592	(0.915)	19329	0.67511	0.6751	
48 Benzene	78		11.051	11.056	(0.955)	171412	0.58473	0.5847	
49 Carbon Tetrachloride	117		11.083	11.083	(0.958)	17277	0.10503	0.1050	
50 2,2,4-trimethylpentane	57		11.793	11.793	(1.019)	134879	0.23745	0.2374	
53 Trichloroethene	130		12.277	12.282	(1.061)	28588	0.22747	0.2275	

dim

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d
 Report Date: 11-Jan-2011 13:06

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	==	=====	=====	=====	(ppb(v/v))	(ppb(v/v))	
61 Toluene	91	14.300	14.299	(0.880)	304083	1.11450	1.114	
67 Tetrachloroethene	129	15.430	15.429	(0.950)	11381	0.10250	0.1025	
69 Ethylbenzene	91	16.575	16.575	(1.020)	41277	0.14189	0.1419	
70 m&p-Xylene	91	16.731	16.731	(1.030)	98912	0.45032	0.4503	
74 o-Xylene	91	17.259	17.258	(1.062)	36353	0.16083	0.1608	
81 1,3,5-Trimethylbenzene	120	18.453	18.560	(1.136)	8289	0.08080	~~0.08080~~	
84 1,2,4-Trimethylbenzene	105	18.980	18.985	(1.168)	29957	0.15326	0.1533	
166 ~ ethanol	31	5.053	5.054	(0.538)	1138959	13.5952	13.60 (A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: mj.i
 Lab File ID: mc2rwr.d
 Lab Smp Id: MC2RW1AA
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: 22980

Calibration Date: 10-JAN-2011
 Calibration Time: 10:50
 Client Smp ID: OA
 Level: LOW
 Sample Type: AIR

Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m
 Misc Info: J011011,TO15,nysdec.sub,,,

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	322813	192074	453552	304522	-5.67
2 1,4-Difluorobenze	1506919	896617	2117221	1521913	1.00
3 Chlorobenzene-d5	1266542	753592	1779492	1312483	3.63

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	9.40	9.07	9.73	9.40	-0.05
2 1,4-Difluorobenze	11.58	11.25	11.91	11.57	-0.04
3 Chlorobenzene-d5	16.25	15.92	16.58	16.25	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

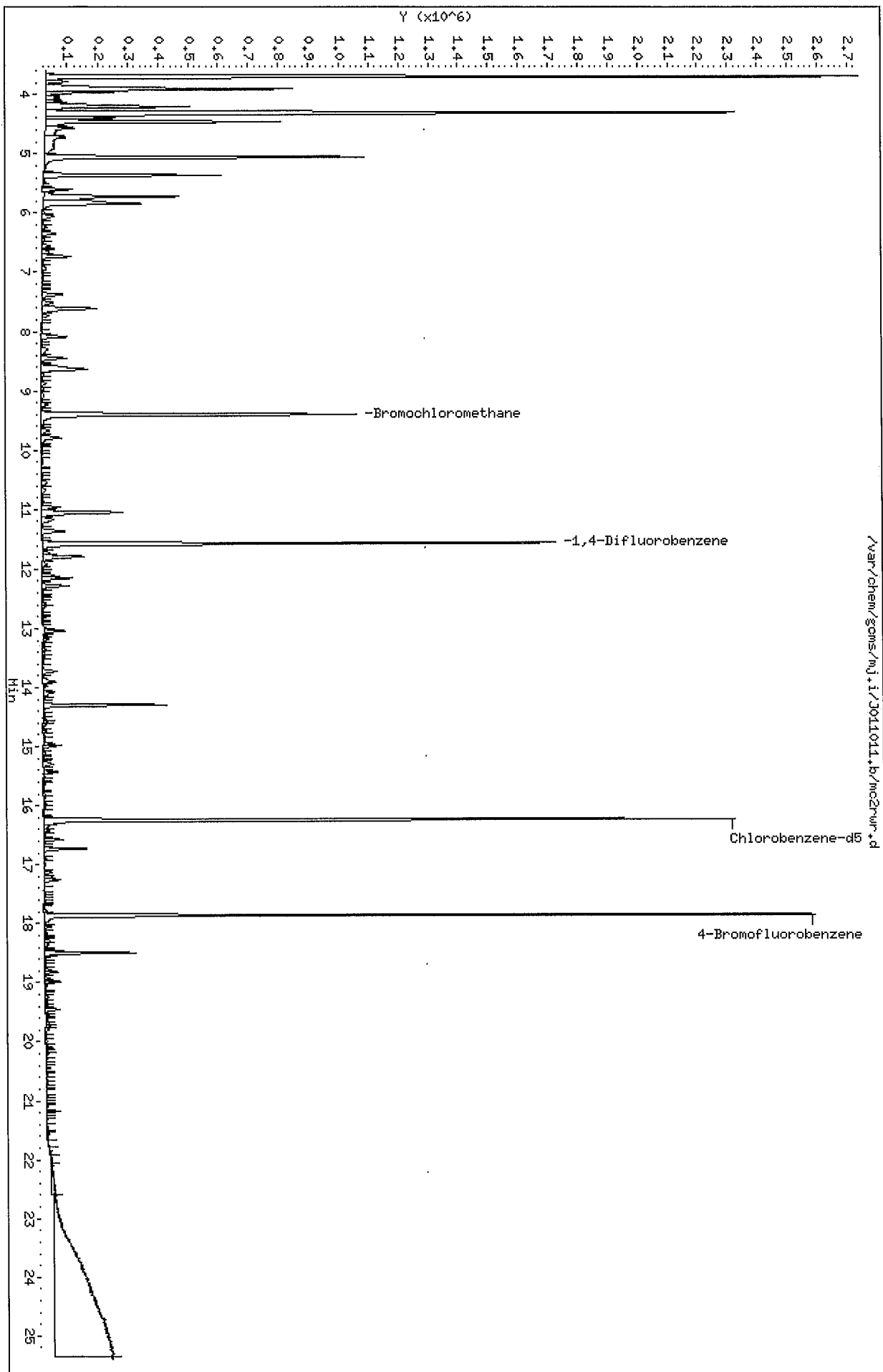
RECOVERY REPORT

Client Name: New York State D.E.C04-JAN-2011 00:00 Client SDG: H1A050479
 Sample Matrix: GAS Fraction: OTHER
 Lab Smp Id: MC2RW1AA Client Smp ID: OA
 Level: LOW Operator: 22980
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: allnew.spk Quant Type: ISTD
 Sublist File: nysdec.sub
 Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m
 Misc Info: J011011,TO15,nysdec.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
\$ 6 4-Bromofluorobenze	4.000	4.053	101.33	70-130

Data File: /var/chem/gcms/mj.i/3011011.b/mc2rur.d
Date: 11-JAN-2011 07:00
Client ID: 0A
Sample Info: MC2R41A9.1.0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

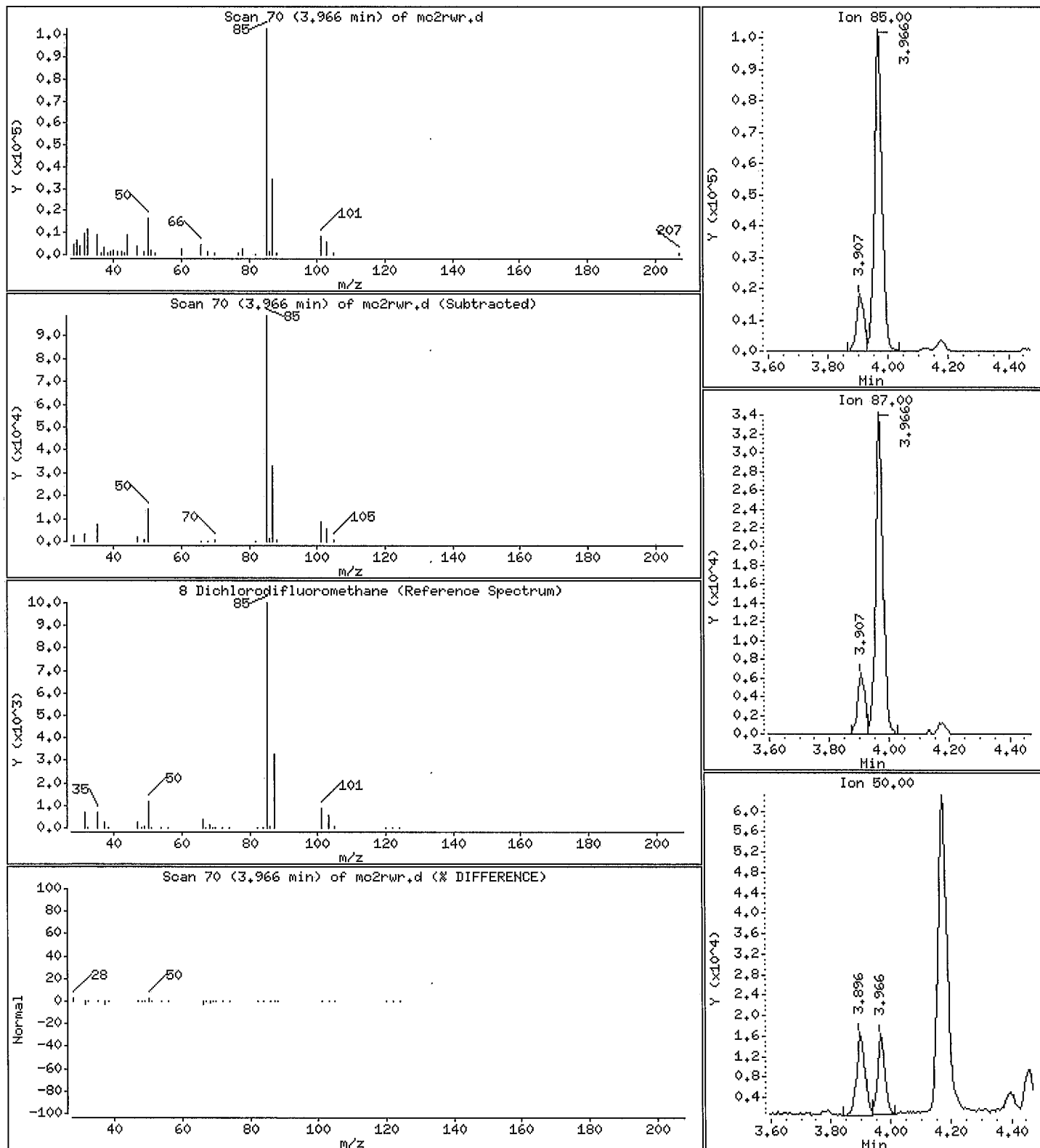
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

8 Dichlorodifluoromethane

Concentration: 0.6151 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rwr,d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj,i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

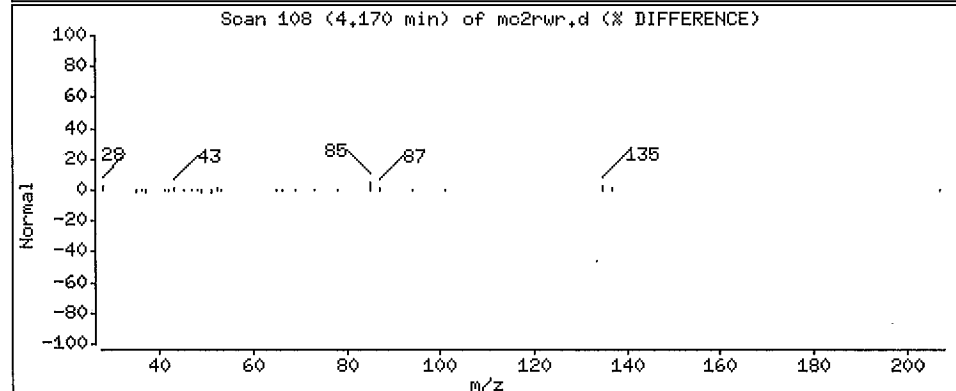
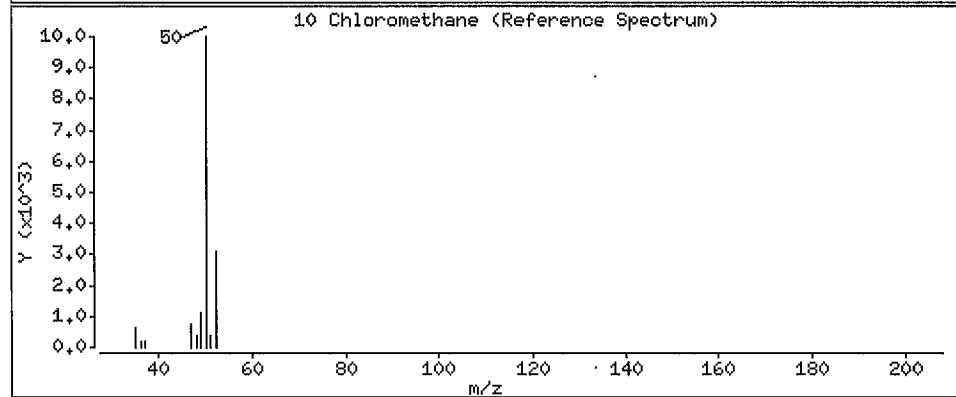
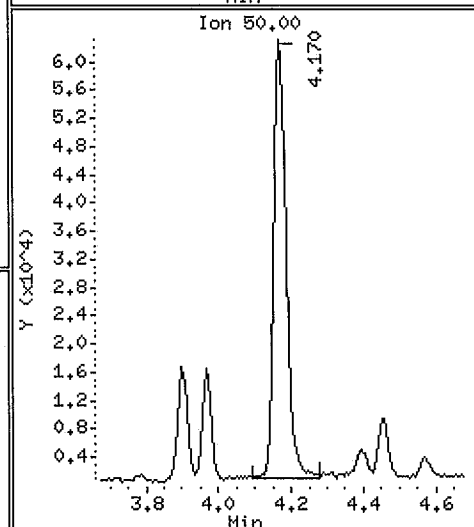
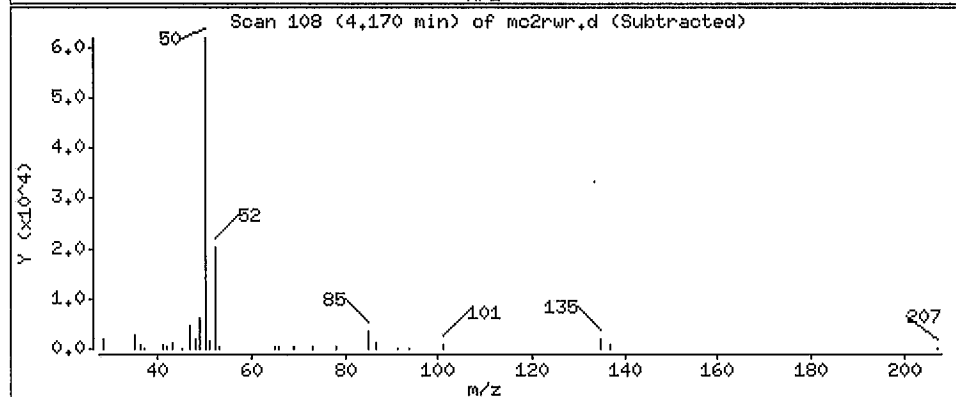
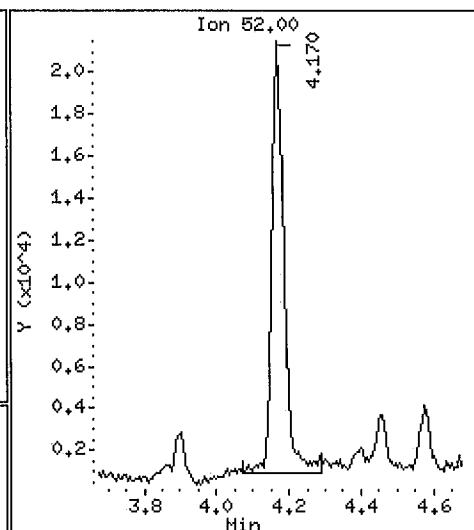
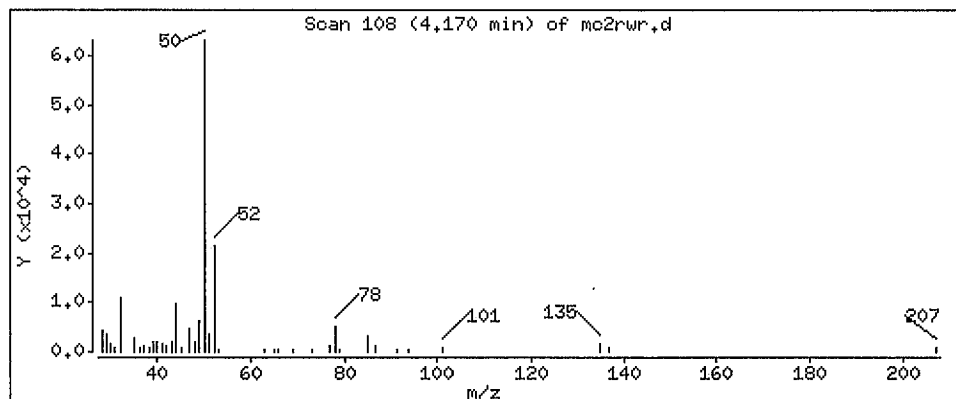
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

10 Chloromethane

Concentration: 0.9378 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rwr.d

Date: 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,

Purge Volume: 500.0

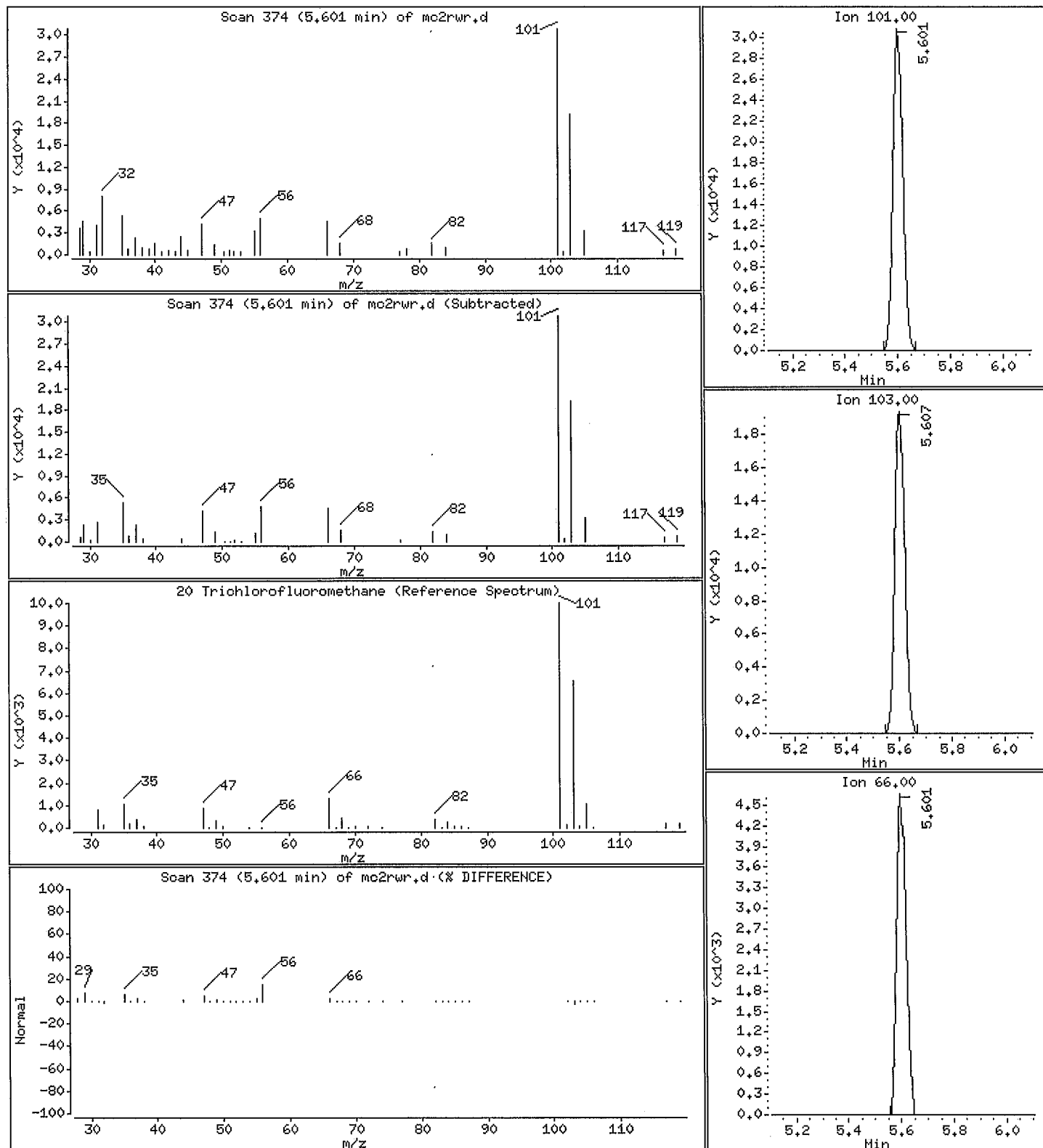
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

20 Trichlorofluoromethane

Concentration: 0.3037 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj.i

Sample Info: MC2RM1AA,1,0,,,

Purge Volume: 500.0

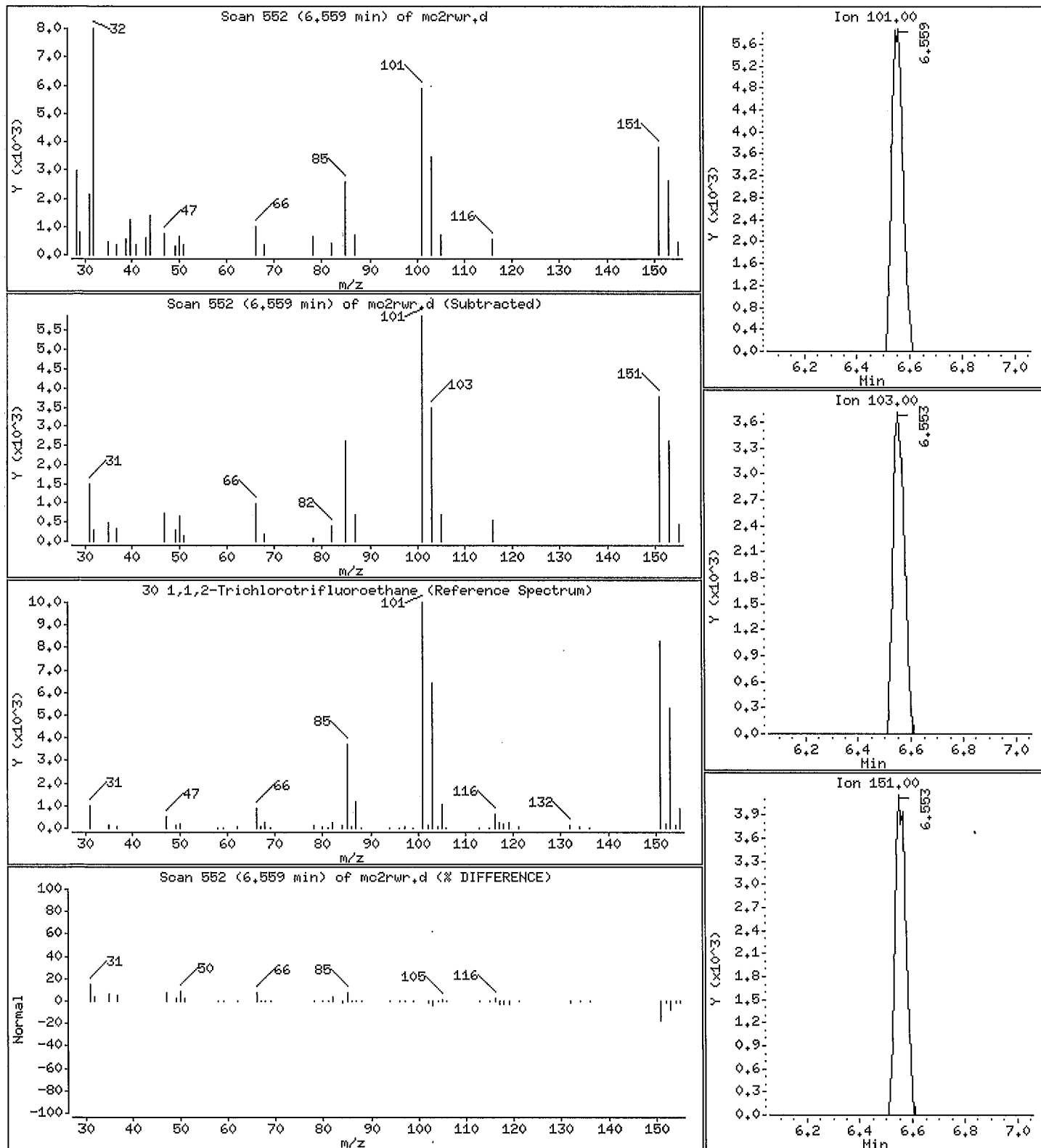
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

30 1,1,2-Trichlorotrifluoroethane

Concentration: 0.08535 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date: 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

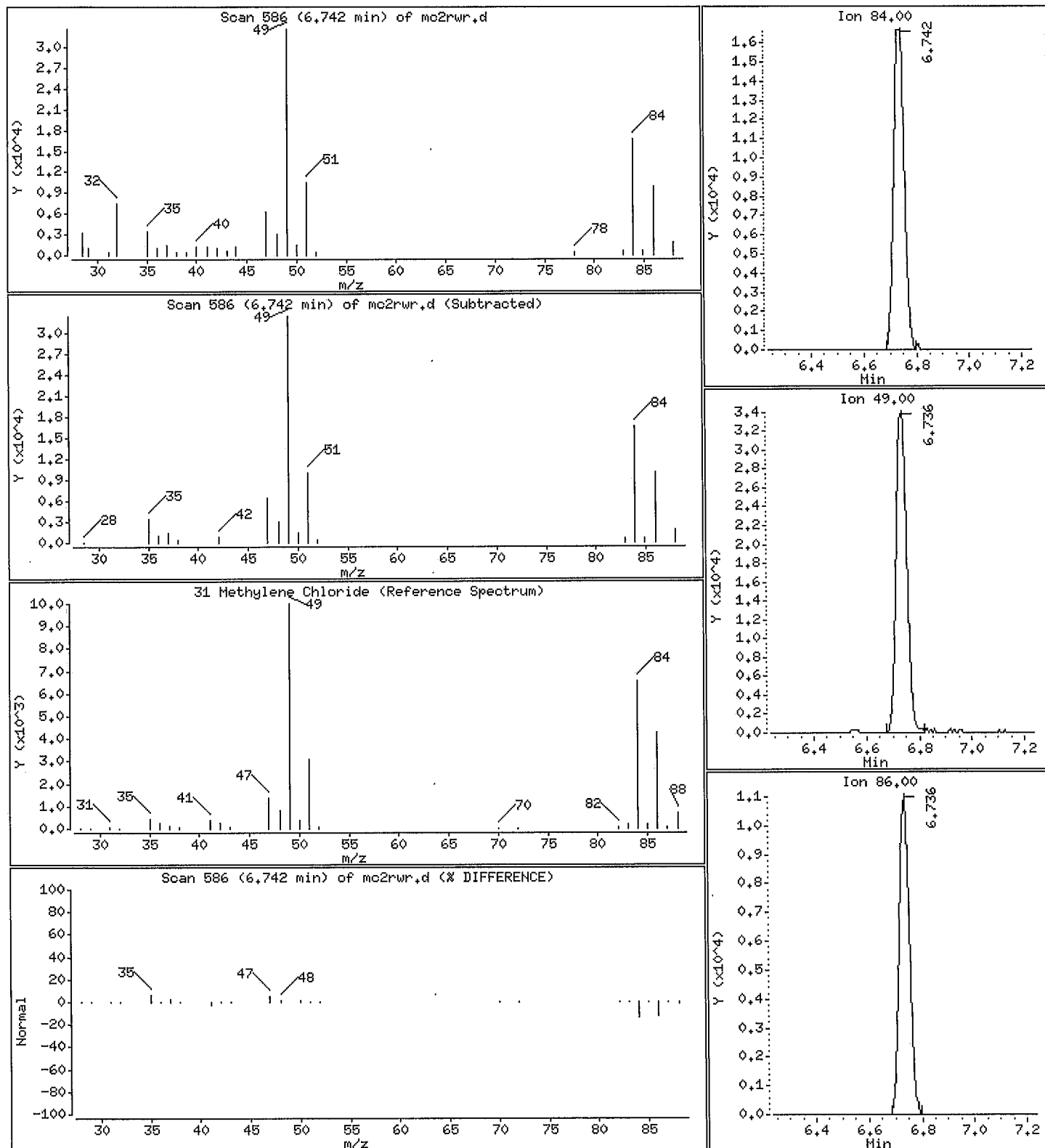
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

31 Methylene Chloride

Concentration: 0.4866 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011,b/mo2rwr.d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

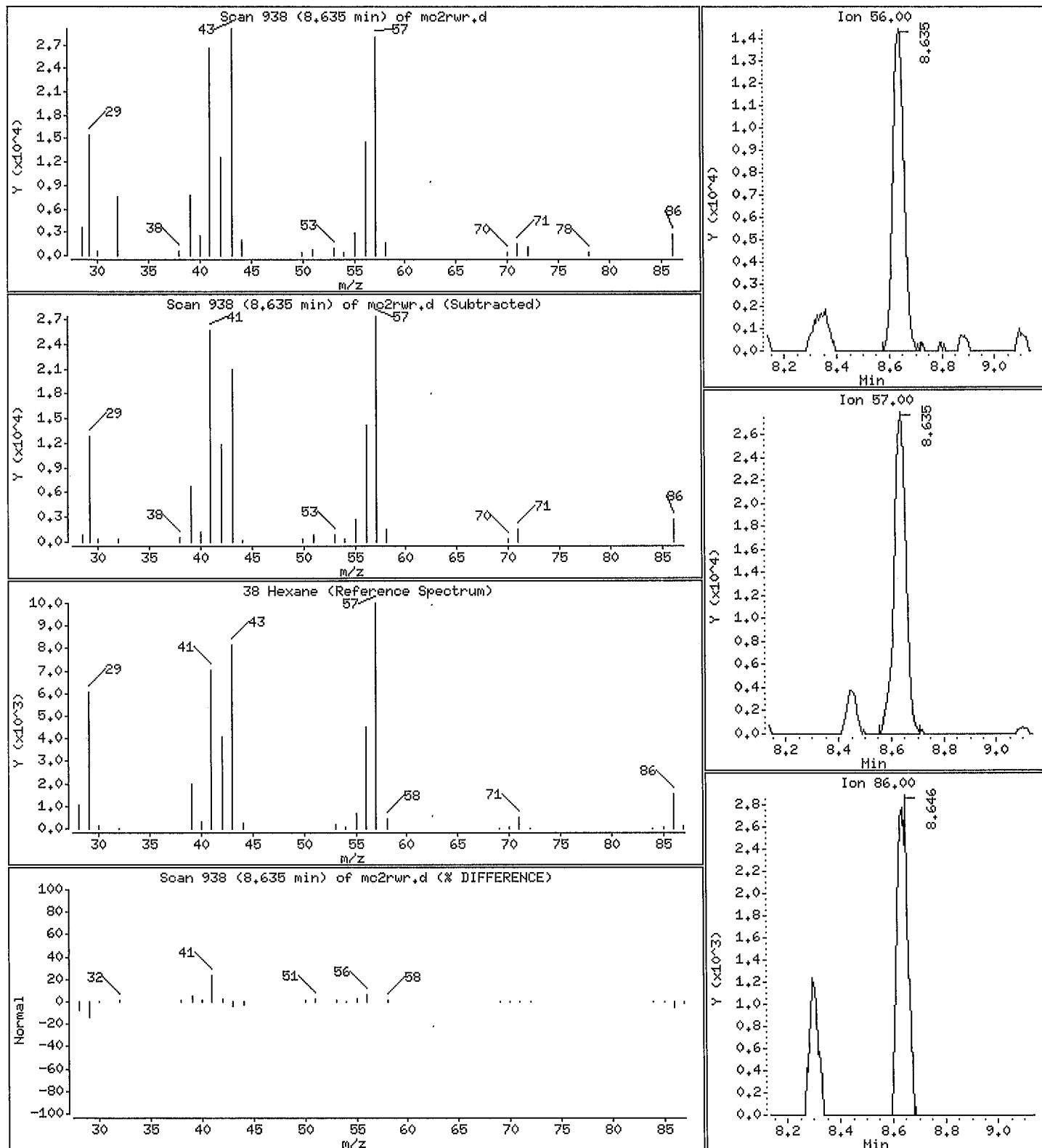
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

38 Hexane

Concentration: 0.4050 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,

Purge Volume: 500.0

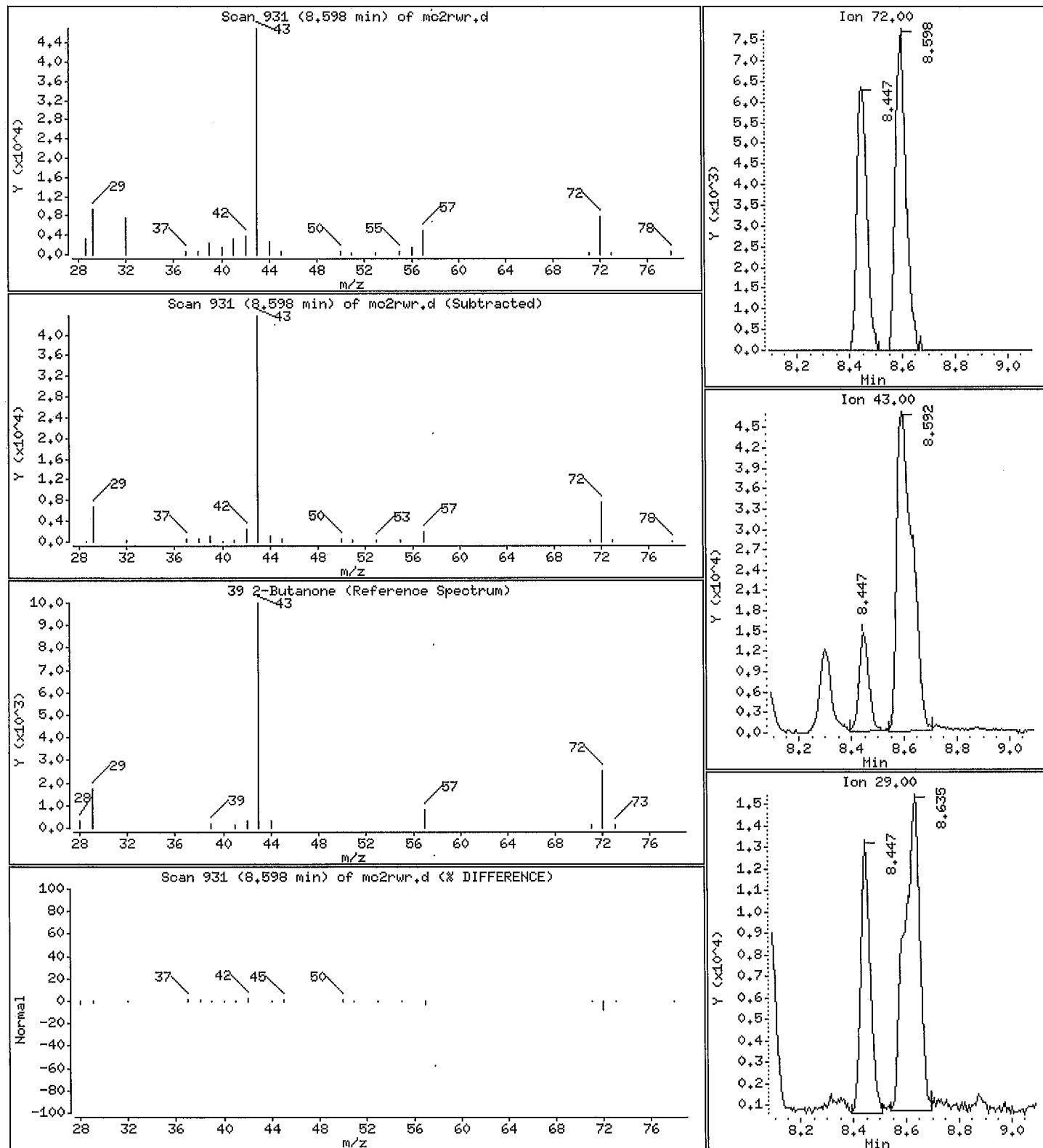
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

39 2-Butanone

Concentration: 0.6751 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

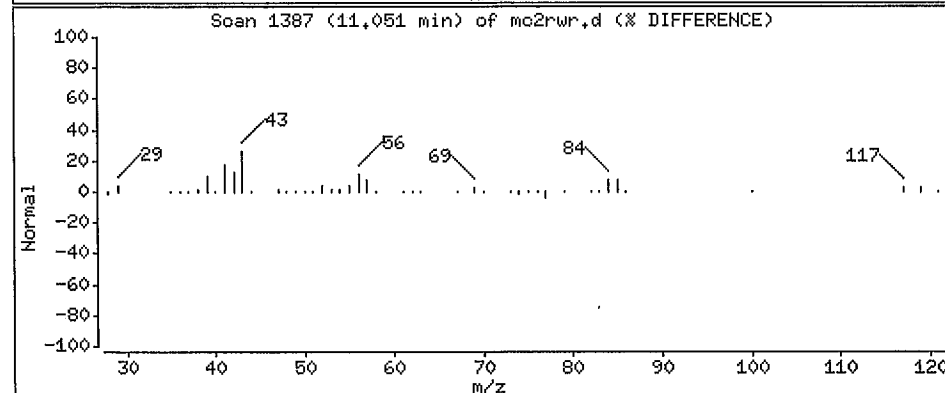
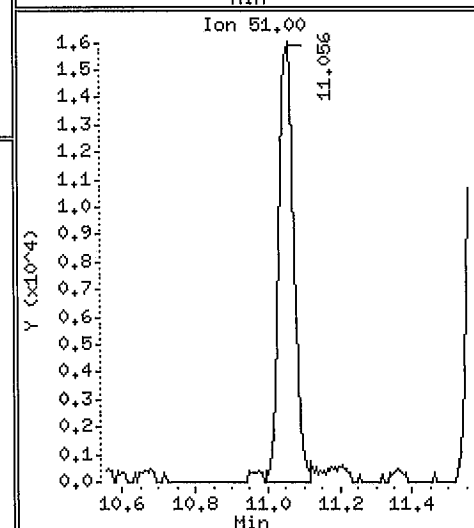
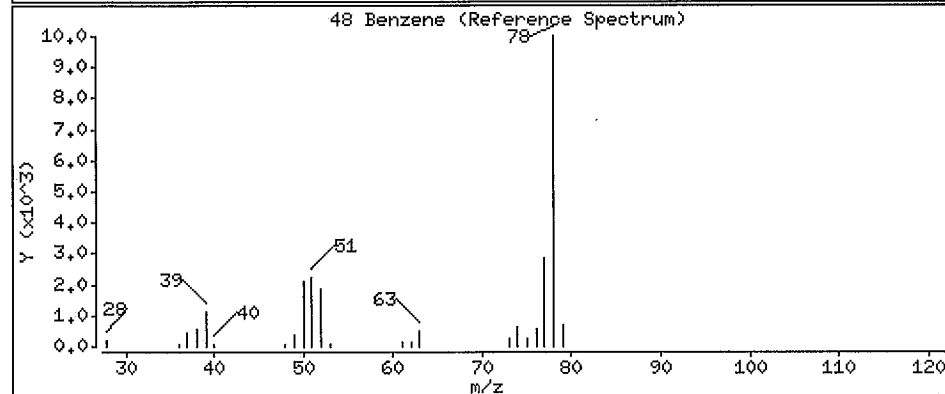
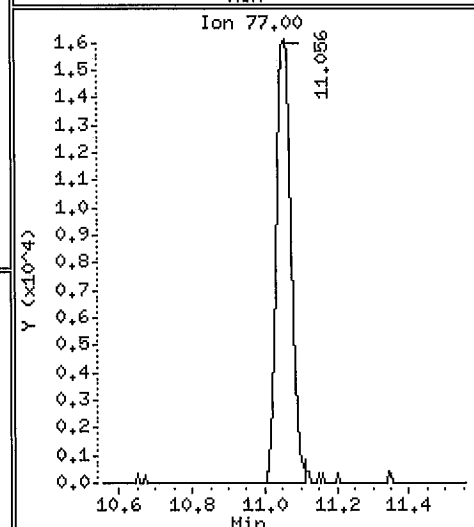
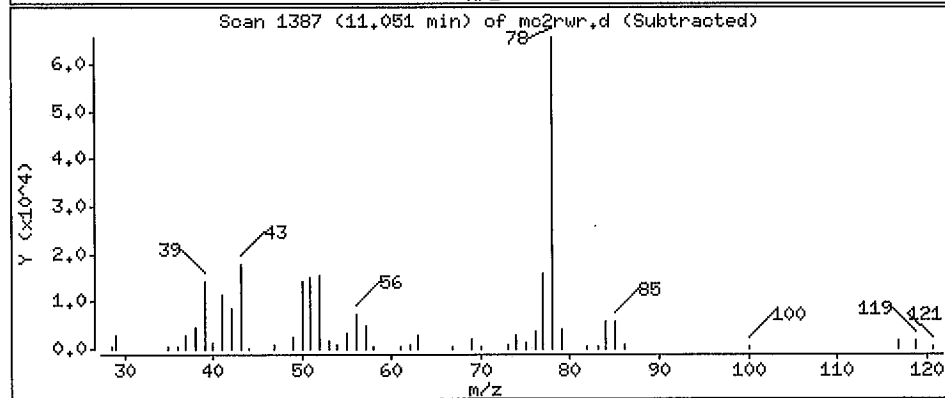
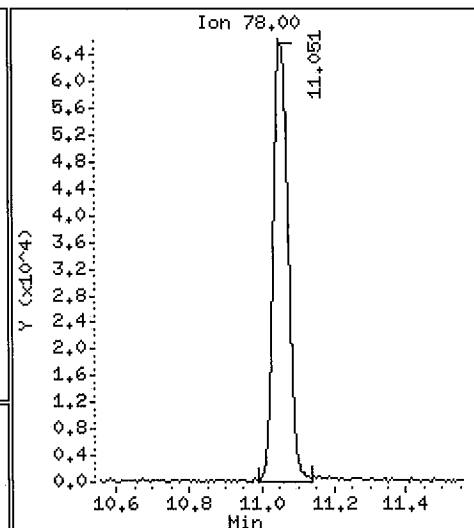
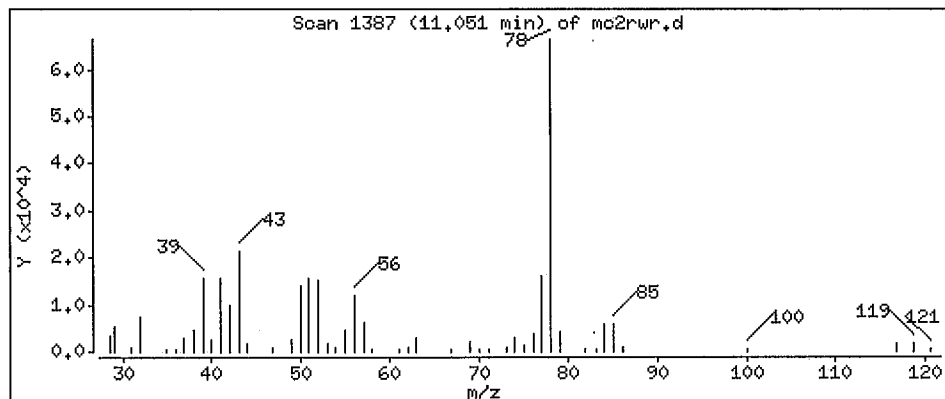
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

48 Benzene

Concentration: 0.5847 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

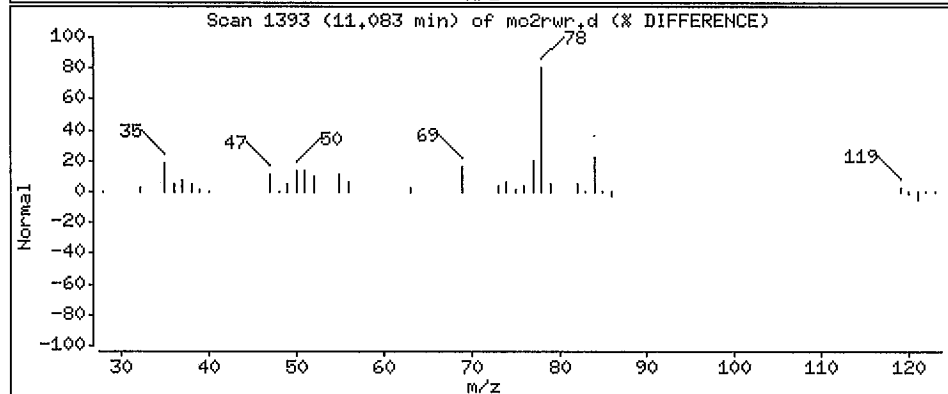
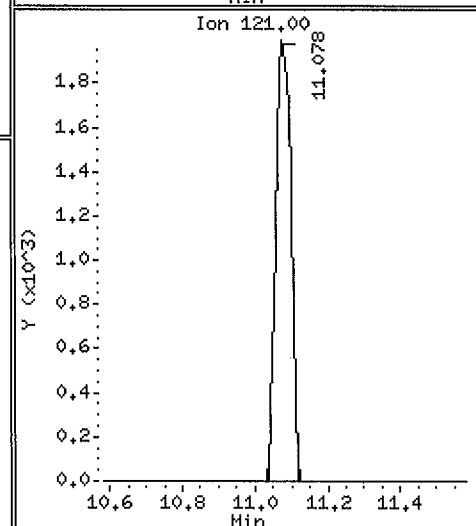
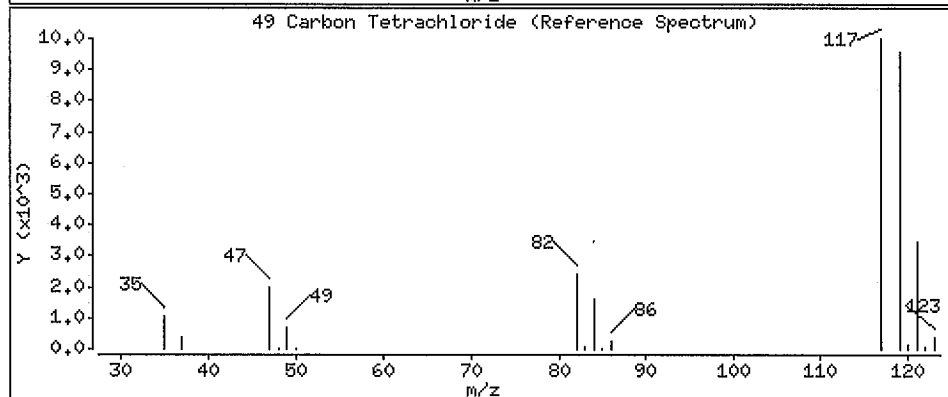
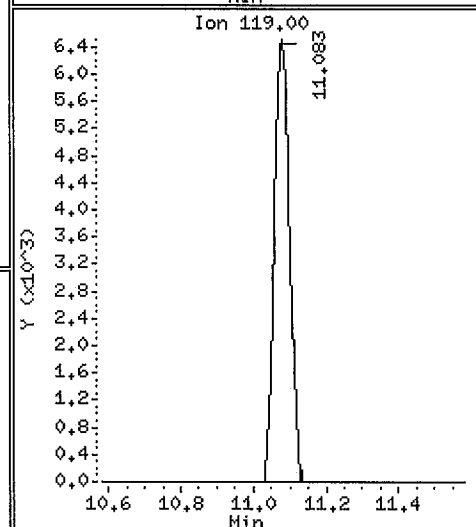
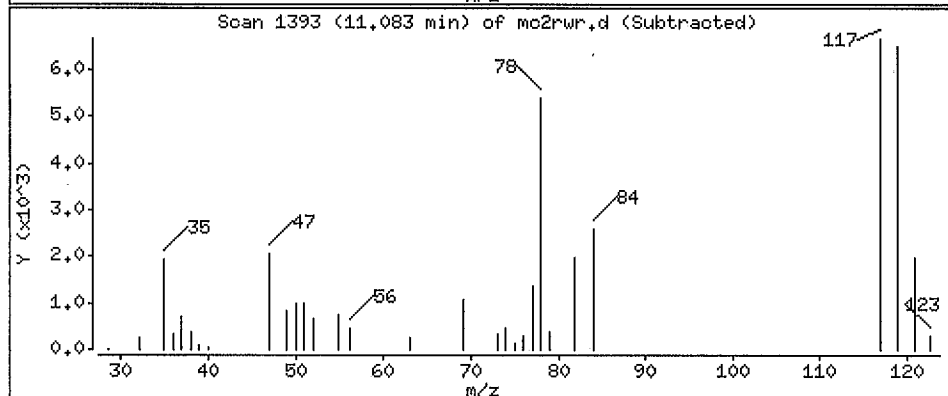
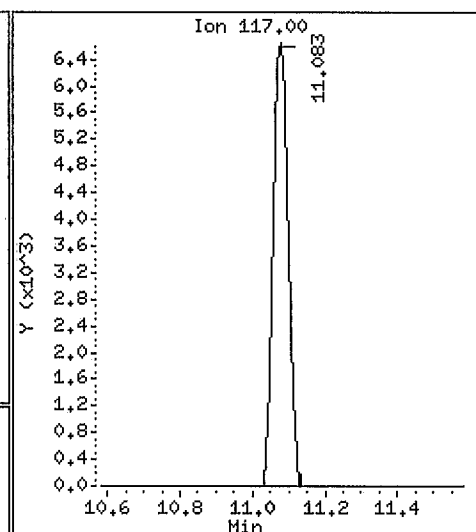
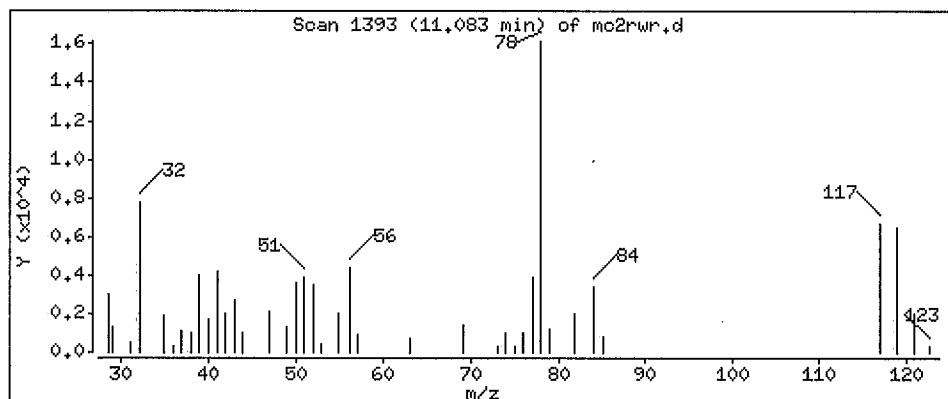
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

49 Carbon Tetrachloride

Concentration: 0.1050 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

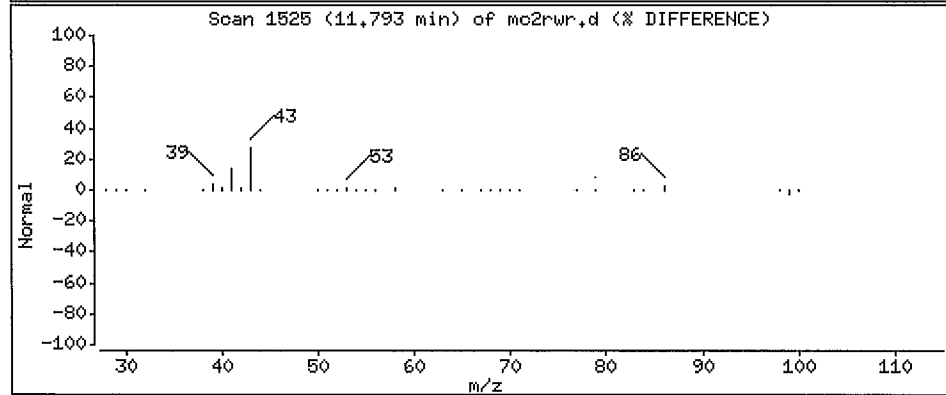
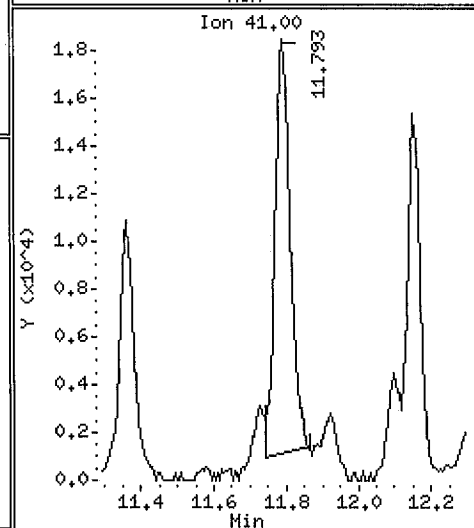
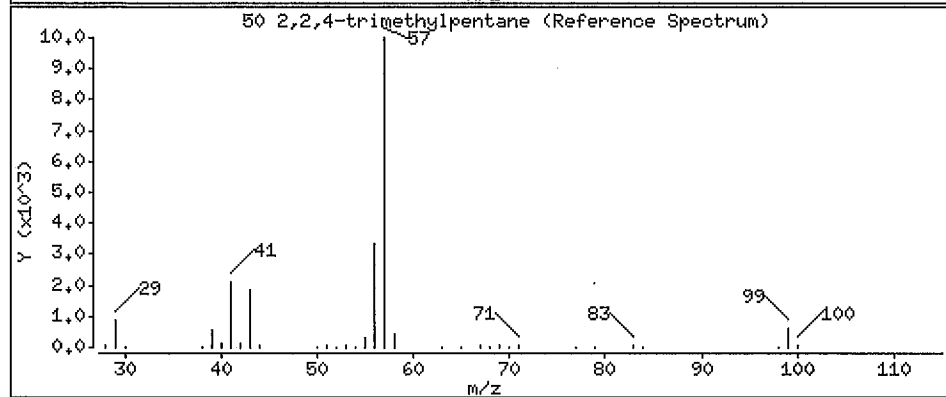
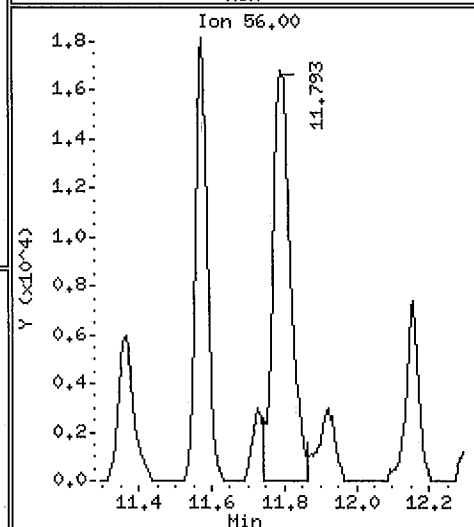
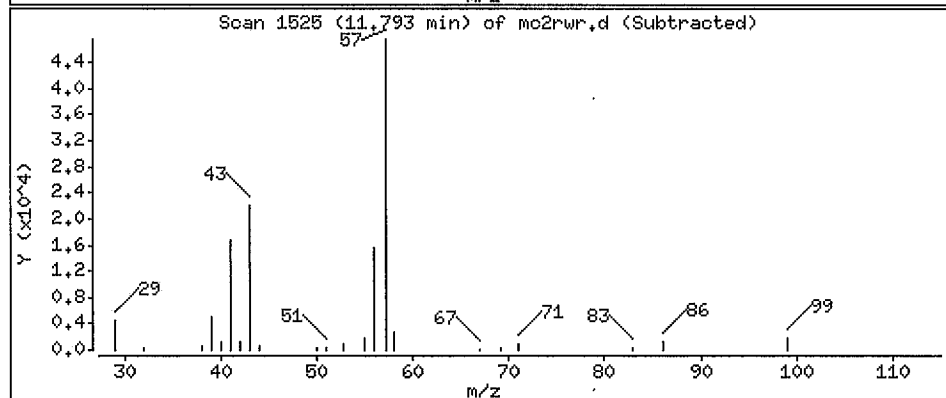
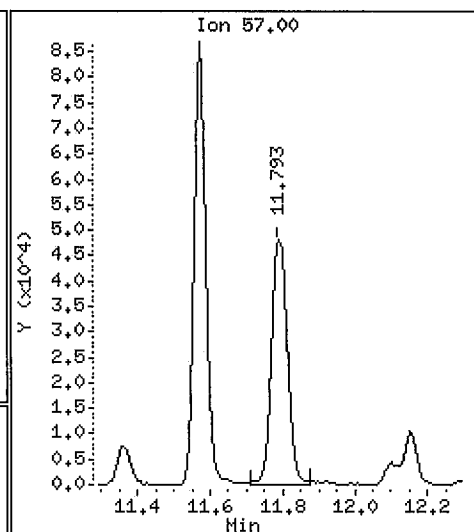
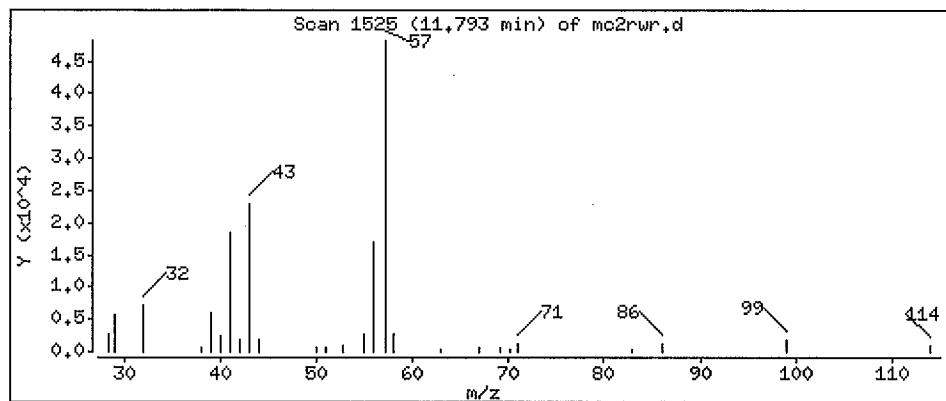
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

50 2,2,4-trimethylpentane

Concentration: 0.2374 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rwr.d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

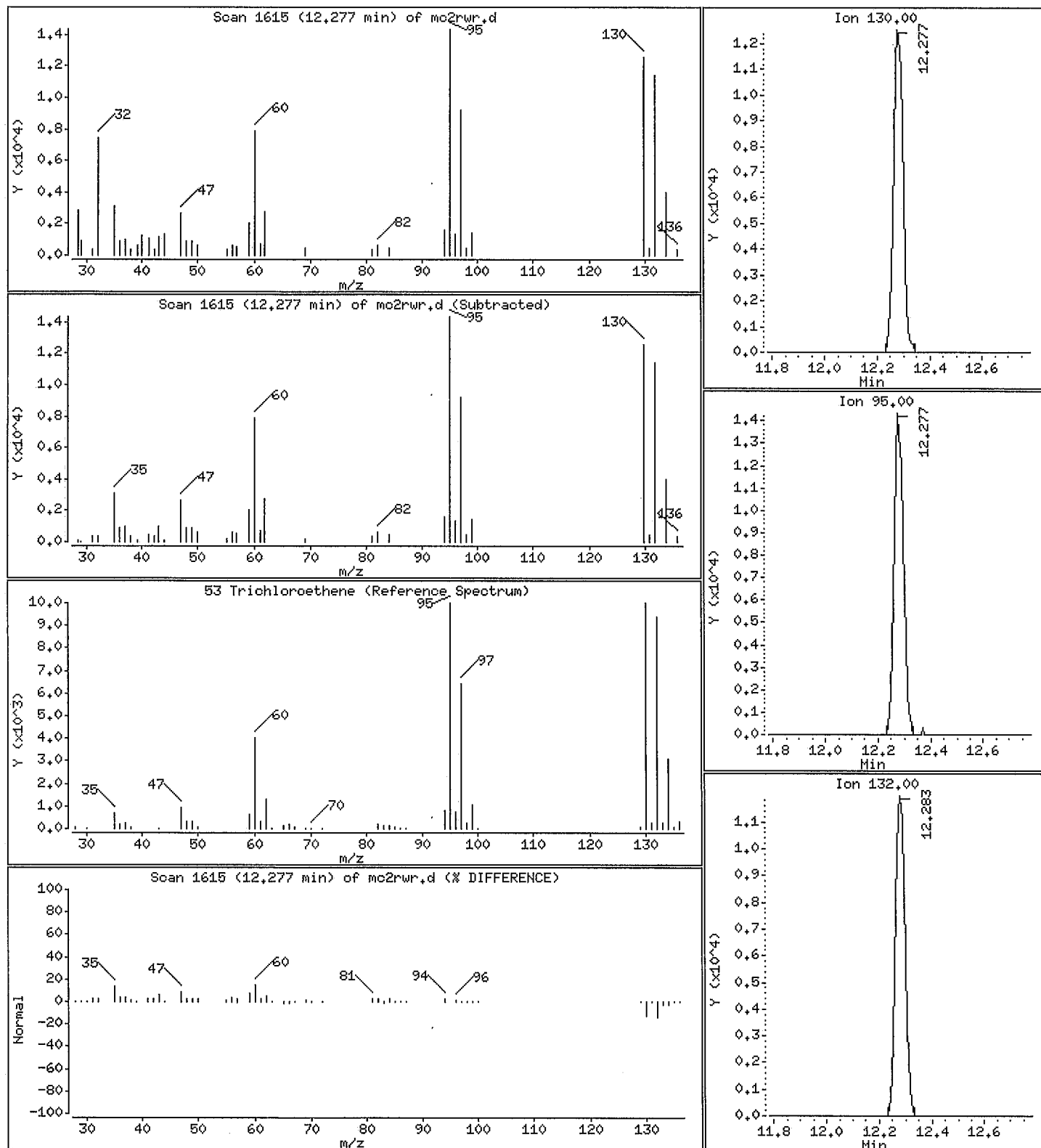
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

53 Trichloroethene

Concentration: 0.2275 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj.i

Sample Info: MC2RM1AA,1,0,,,

Purge Volume: 500.0

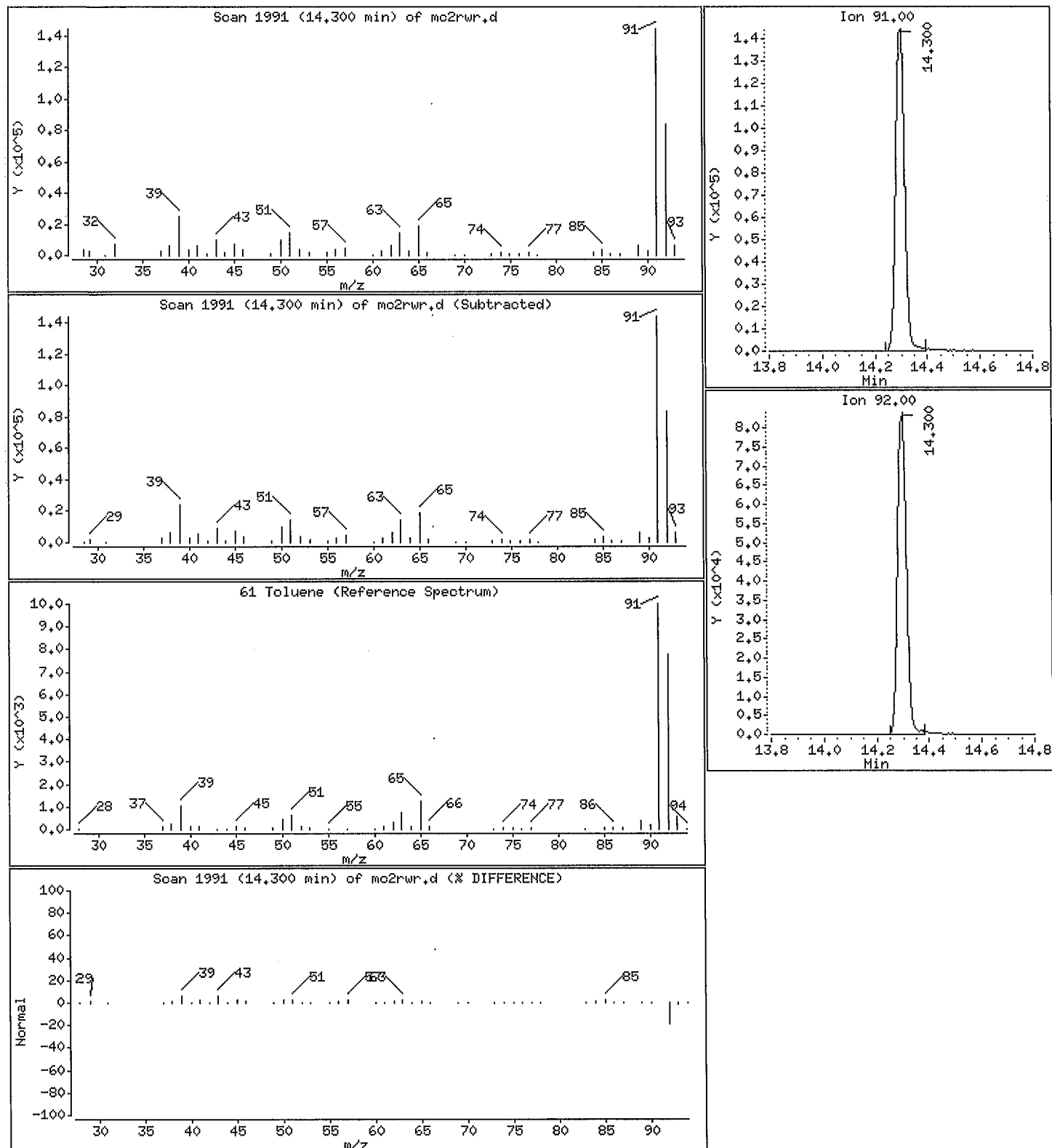
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

61 Toluene

Concentration: 1,114 ppb(v/v)



Data File: /var/chem/goms/mj,i/J011011,b/mc2rwr,d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj,i

Sample Info: MC2RM1AA,1,0,,,

Purge Volume: 500,0

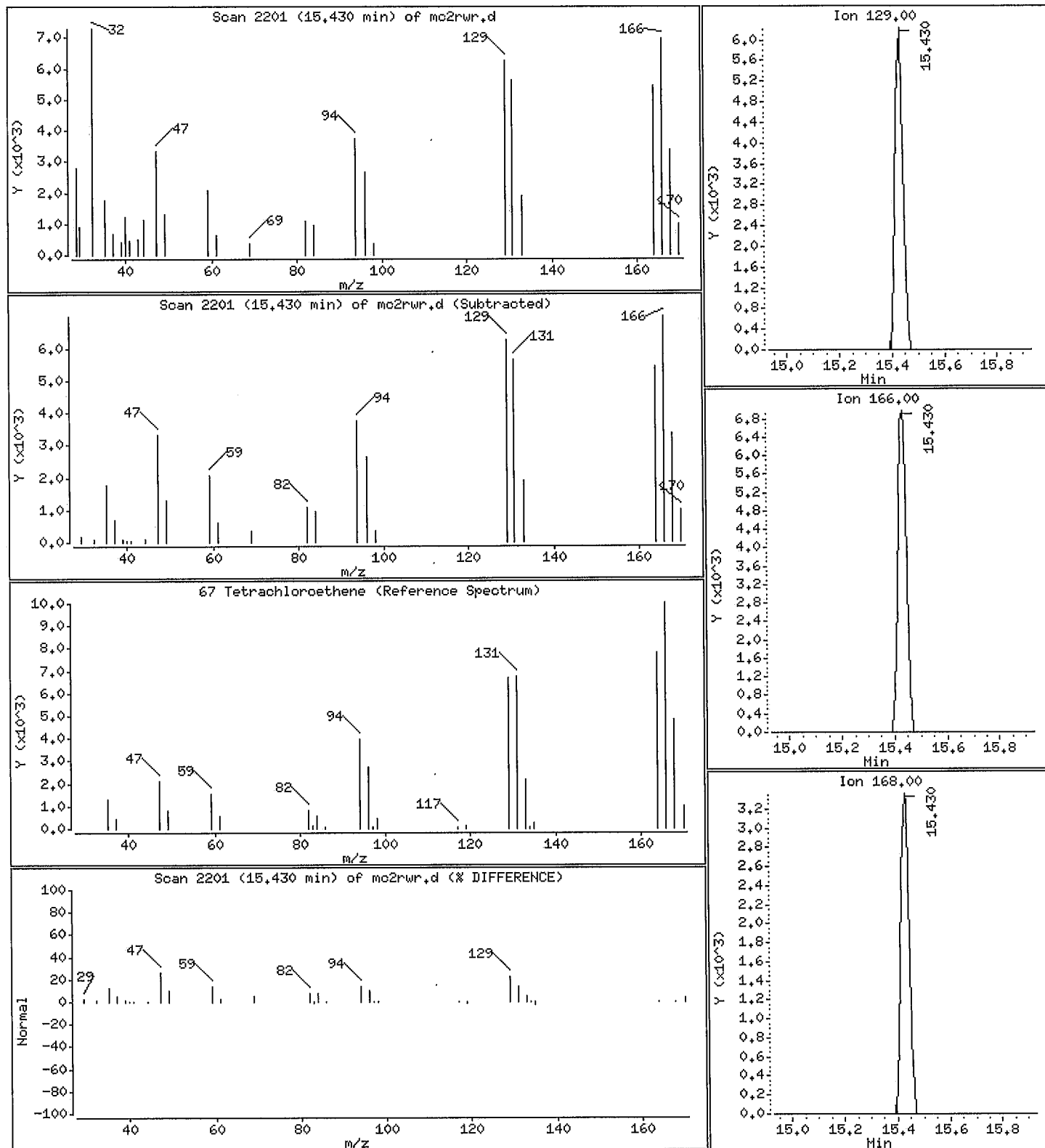
Operator: 22980

Column phase: Rtx-5

Column diameter: 0,32

67 Tetrachloroethene

Concentration: 0,1025 ppb(v/v)



Data File: /var/chem/goms/mj.i/J011011,b/mo2rwr,d

Date : 11-JAN-2011 07:00

Client ID: OA

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

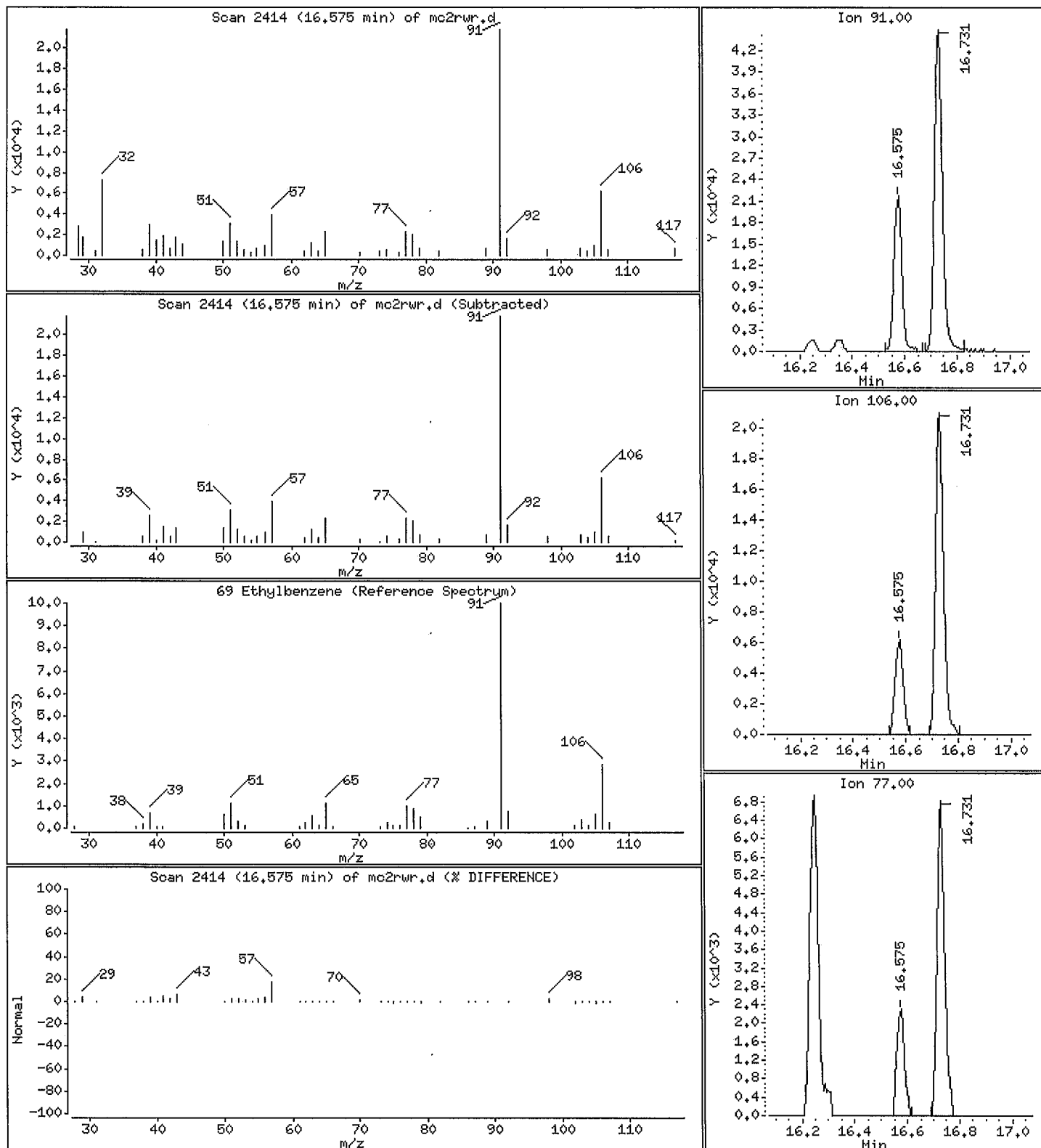
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

69 Ethylbenzene

Concentration: 0.1419 ppb(v/v)



Data File: /var/chem/goms/mj.i/J011011.b/mc2rwr.d

Date: 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,

Purge Volume: 500.0

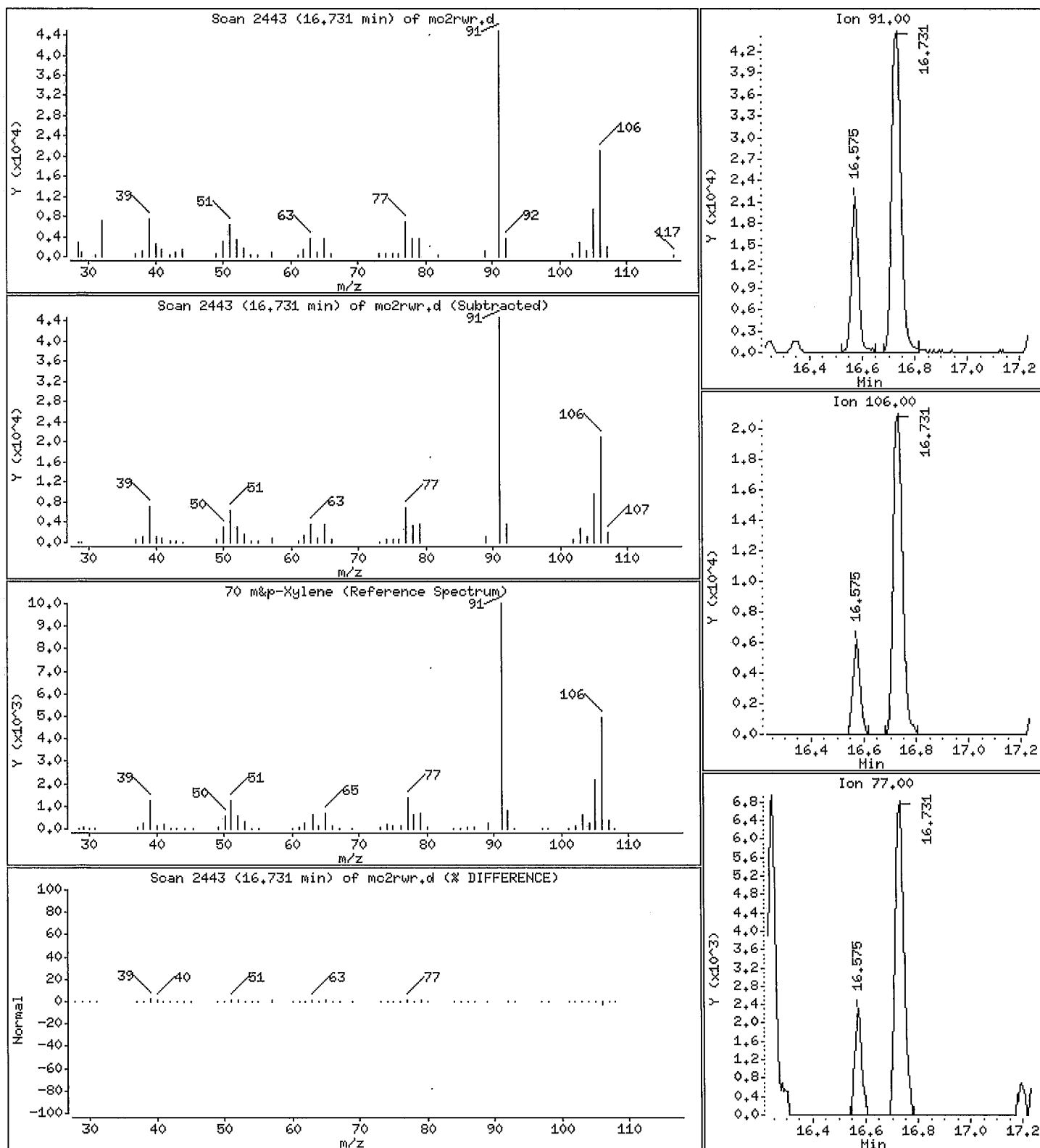
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

70 m&p-Xylene

Concentration: 0.4503 ppb(v/v)



Data File: /var/chem/goms/mj.i/J011011.b/mo2rwr.d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,

Purge Volume: 500.0

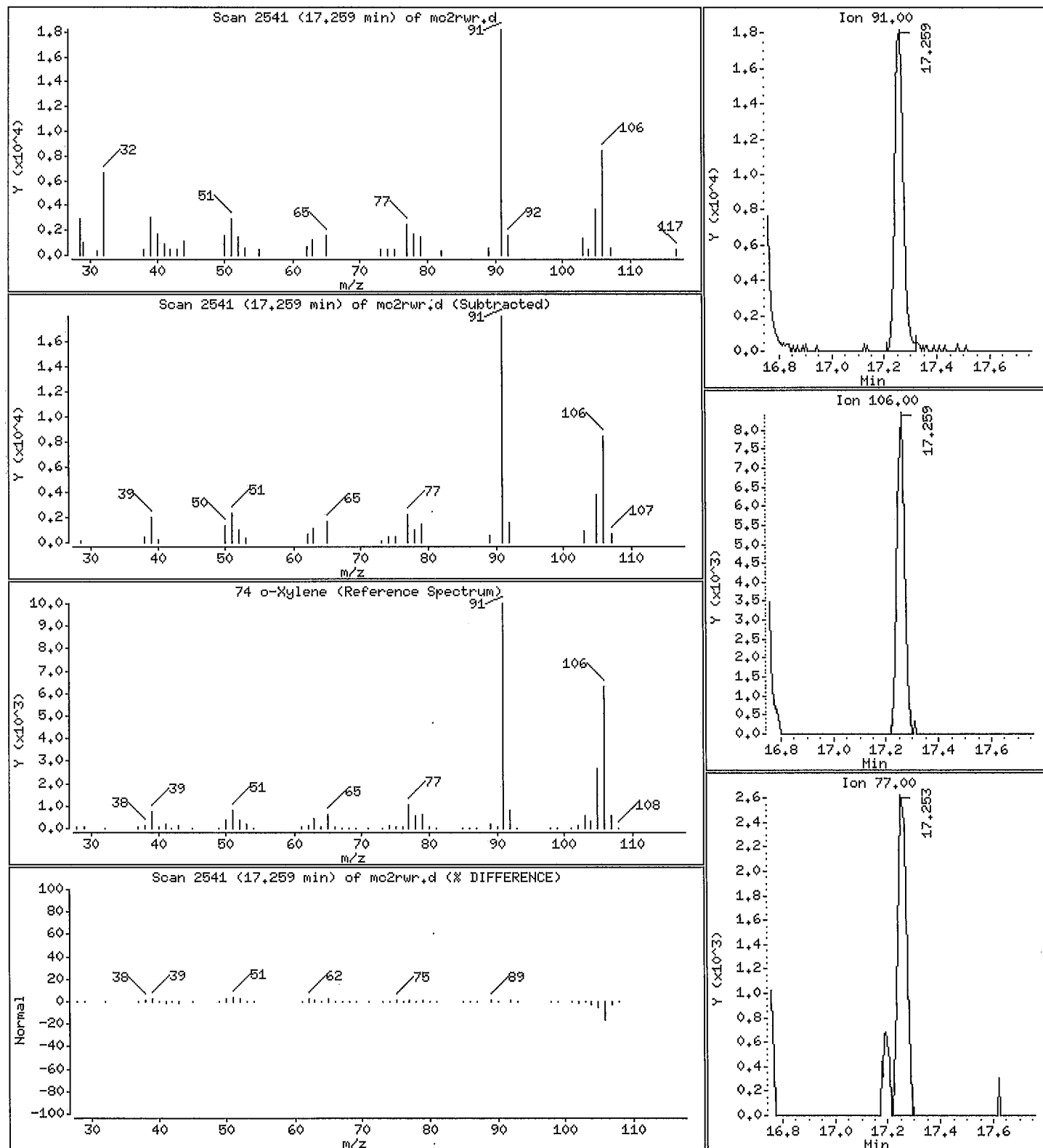
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

74 o-Xylene

Concentration: 0.1608 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rwr,d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj,i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

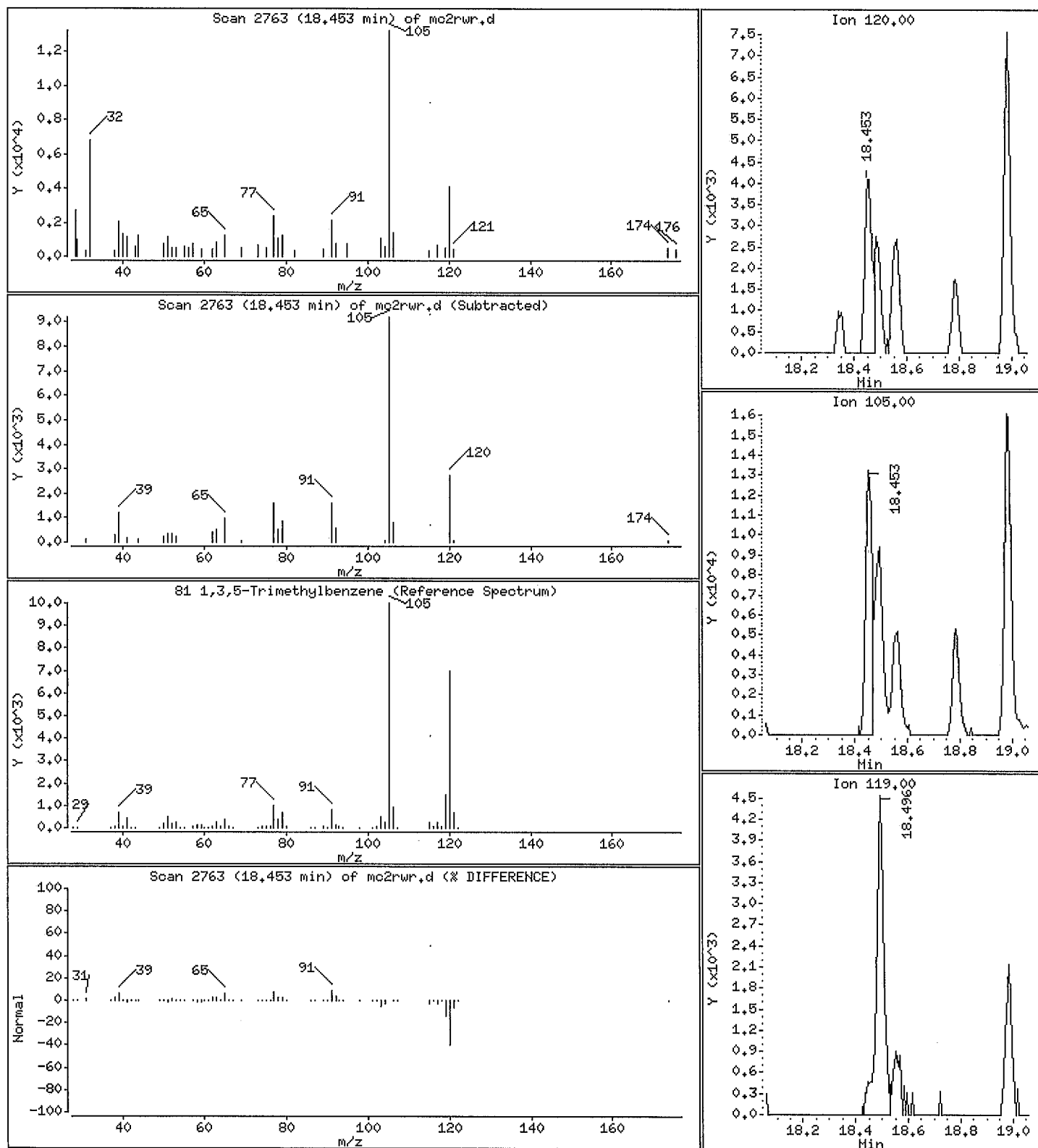
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

81 1,3,5-Trimethylbenzene

Concentration: 0.08080 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rwr.d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RW1AA,1,0,,,

Purge Volume: 500.0

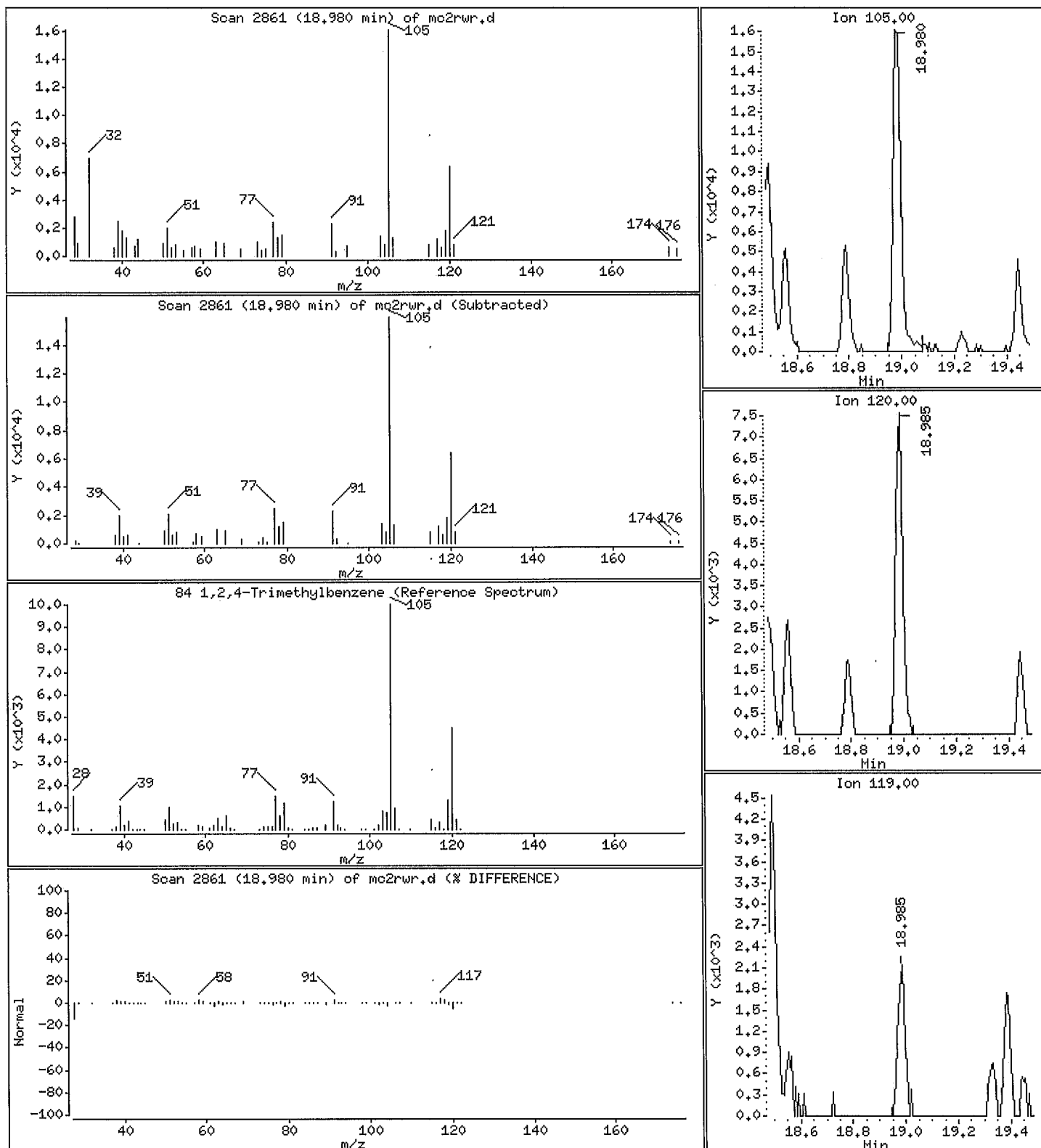
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

84 1,2,4-Trimethylbenzene

Concentration: 0.1533 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2run.d

Date : 11-JAN-2011 07:00

Client ID: 0A

Instrument: mj.i

Sample Info: MC2RH1AA,1,0,,,

Purge Volume: 500.0

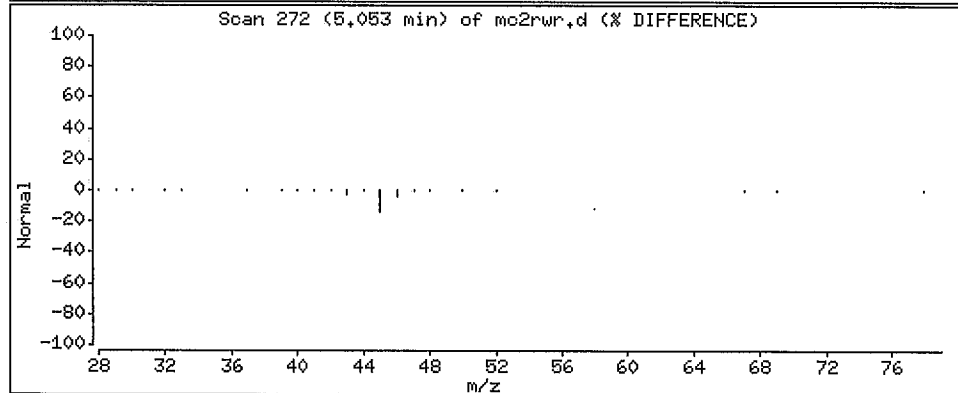
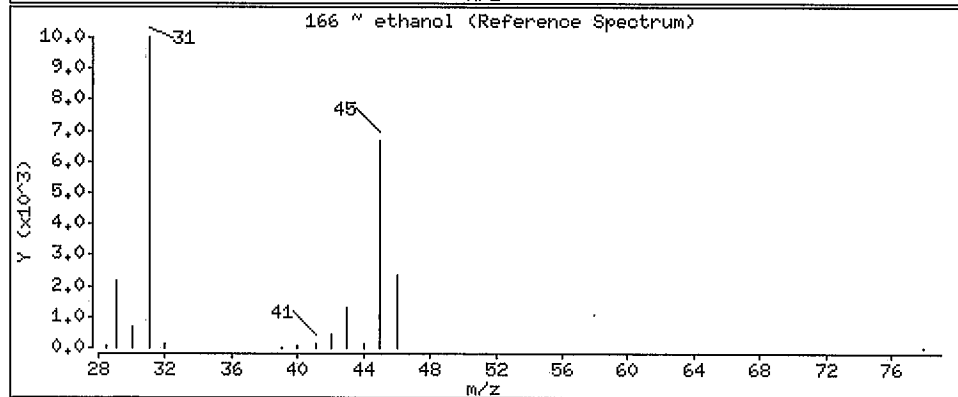
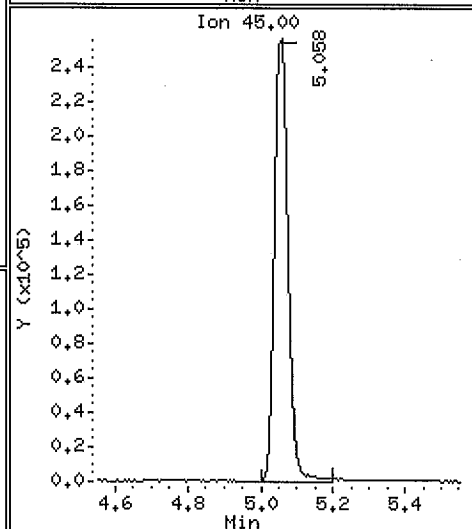
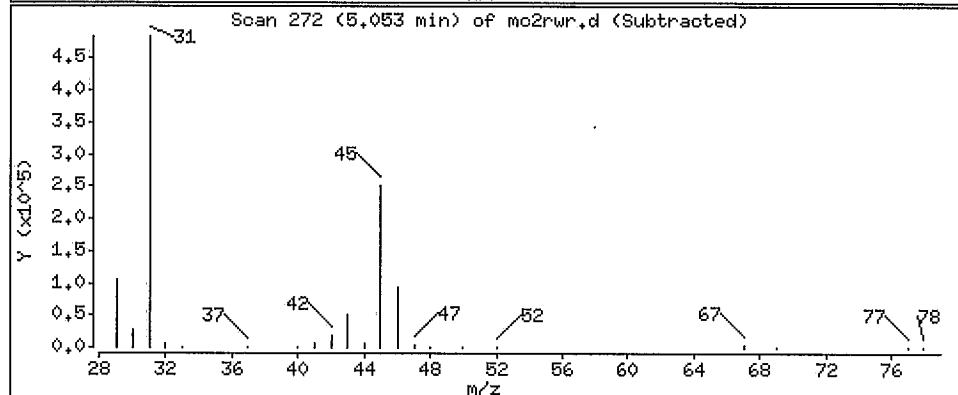
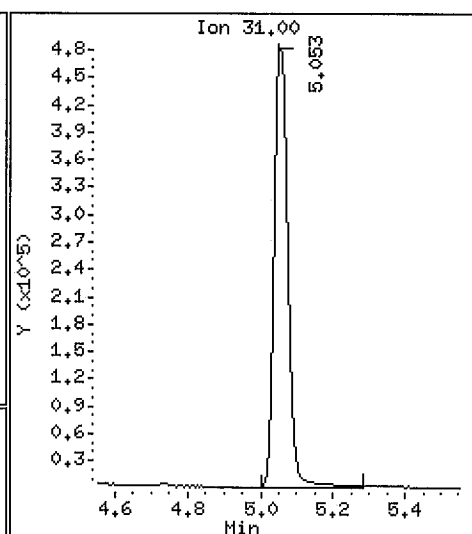
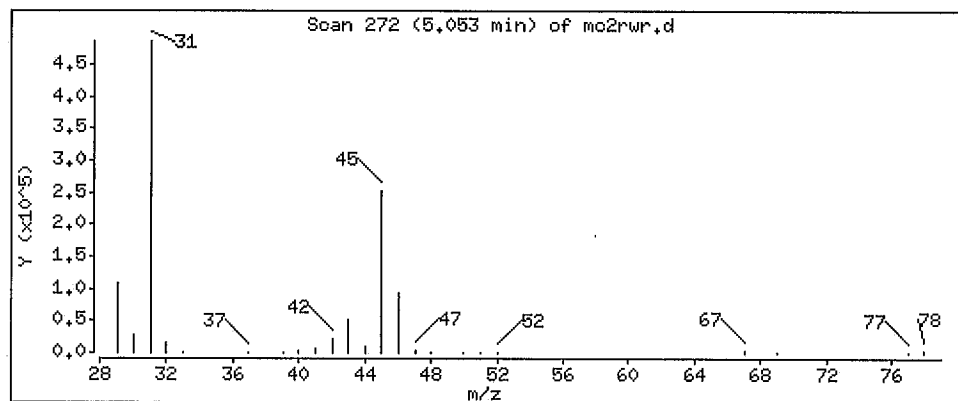
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

166 ~ ethanol

Concentration: 13.60 ppb(v/v)



New York State D.E.C.

Client Sample ID: DUP

GC/MS Volatiles

Lot-Sample # H1A050479 - 004 Work Order # MC2RX1AA Matrix.....: AIR

Date Sampled...: 12/29/2010 Date Received...: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/10/2011
 Prep Batch #.....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	21	0.80	40	1.5
Ethylbenzene	0.12	0.080	0.53	0.35
Trichlorofluoromethane	0.28	0.080	1.6	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	0.42	0.20	1.5	0.70
2,2,4-Trimethylpentane	0.24	0.20	1.1	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	0.36	0.20	1.2	0.69
Benzene	0.59	0.080	1.9	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	2.1	0.080	14	0.54
Toluene	2.0	0.080	7.6	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.14	0.040	0.75	0.21
1,2,4-Trimethylbenzene	0.24	0.080	1.2	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.083	0.080	0.36	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	0.082	0.080	0.63	0.61
m-Xylene & p-Xylene	0.27	0.080	1.2	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.3	0.32	3.7	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.10	0.040	0.65	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	0.73	0.20	1.5	0.41

New York State D.E.C.

Client Sample ID: DUP

GC/MS Volatiles

Lot-Sample # H1A050479 - 004 Work Order # MC2RX1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.57	0.080	2.8	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
SURROGATE		PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)	
4-Bromofluorobenzene		101	60 - 140	

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d
 Lab Smp Id: MC2RX1AA Client Smp ID: DUP
 Inj Date : 10-JAN-2011 18:09
 Operator : 22980 Inst ID: mj.i
 Smp Info : , , 0 , , ,
 Misc Info : J011011,TO15,nysdec.sub , , ,
 Comment :
 Method : /var/chem/gcms/mj.i/J011011.b/TO15.m
 Meth Date : 11-Jan-2011 13:01 barlozha Quant Type: ISTD
 Cal Date : 10-JAN-2011 12:07 Cal File: j1pta10.d
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: nysdec.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

w
6/1/21

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128		9.411	9.404	(1.000)	292075	4.00000	4.000	
* 2 1,4-Difluorobenzene	114		11.579	11.577	(1.000)	1458039	4.00000	4.000	
* 3 Chlorobenzene-d5	117		16.248	16.247	(1.000)	1255937	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95		17.862	17.866	(1.099)	890460	4.04684	4.047	
8 Dichlorodifluoromethane	85		3.967	3.971	(0.422)	164169	0.56569	0.5657	
10 Chloromethane	52		4.171	4.175	(0.443)	32533	0.72596	0.7260	
20 Trichlorofluoromethane	101		5.608	5.606	(0.596)	64954	0.28192	0.2819	
30 1,1,2-Trichlorotrifluoroethane	101		6.554	6.558	(0.696)	15047	0.08214	0.08214	
31 Methylene Chloride	84		6.743	6.736	(0.716)	29975	0.35774	0.3577	
38 Hexane	56		8.642	8.635	(0.918)	38423	0.41807	0.4181	
39 2-Butanone	72		8.593	8.592	(0.913)	34916	1.27149	1.271	
48 Benzene	78		11.062	11.056	(0.955)	165784	0.59031	0.5903	
49 Carbon Tetrachloride	117		11.084	11.083	(0.957)	16364	0.10384	0.1038	
50 2,2,4-trimethylpentane	57		11.794	11.793	(1.019)	131942	0.24246	0.2424	
53 Trichloroethene	130		12.284	12.282	(1.061)	16768	0.13926	0.1393	

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d
 Report Date: 11-Jan-2011 13:06

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
						(ppb (v/v))	(ppb (v/v))	
=====	=====	==	=====	=====	=====	=====	=====	
61 Toluene	91	14.296	14.299	(0.880)	527304	2.01964	2.020	
67 Tetrachloroethene	129	15.431	15.429	(0.950)	224113	2.10919	2.109	
69 Ethylbenzene	91	16.576	16.575	(1.020)	33702	0.12106	0.1211	
70 m&p-Xylene	91	16.727	16.731	(1.029)	57169	0.27199	0.2720	
74 o-Xylene	91	17.254	17.258	(1.062)	17911	0.08281	0.08280	
84 1,2,4-Trimethylbenzene	105	18.981	18.985	(1.168)	44516	0.23800	0.2380	
166 ~ ethanol	31	5.064	5.054	(0.538)	1722202	21.4332	21.43 (A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d
 Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: mj.i	Calibration Date: 10-JAN-2011
Lab File ID: mc2rx1aa.d	Calibration Time: 10:50
Lab Smp Id: MC2RX1AA	Client Smp ID: DUP
Analysis Type: OTHER	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: 22980	
Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m	
Misc Info: J011011,TO15,nysdec.sub,,,	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	322813	192074	453552	292075	-9.52
2 1,4-Difluorobenze	1506919	896617	2117221	1458039	-3.24
3 Chlorobenzene-d5	1266542	753592	1779492	1255937	-0.84

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	9.40	9.07	9.73	9.41	0.07
2 1,4-Difluorobenze	11.58	11.25	11.91	11.58	0.01
3 Chlorobenzene-d5	16.25	15.92	16.58	16.25	0.01

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d
Report Date: 11-Jan-2011 13:06

TestAmerica Knoxville

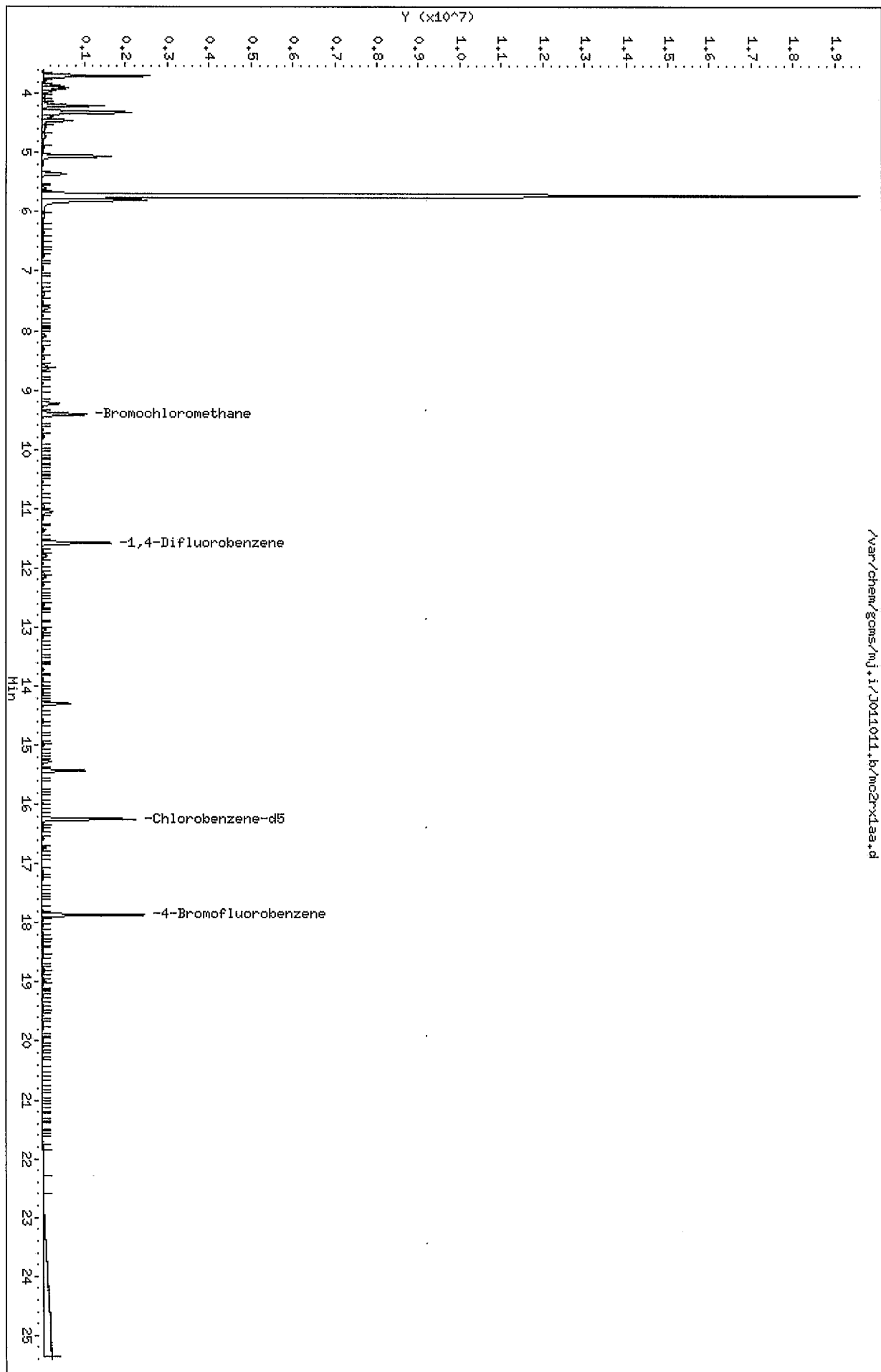
RECOVERY REPORT

Client Name: New York State D.E.C04-JAN-2011 00:00 Client SDG: H1A050479
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MC2RX1AA Client Smp ID: DUP
Level: LOW Operator: 22980
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m
Misc Info: J011011,TO15,nysdec.sub,, ,

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
\$ 6 4-Bromofluorobenze	4.000	4.047	101.17	70-130

Data File: /var/chem/gcms/mj.i/3011011.b/mc2rx1aa.d
Date: 10-JAN-2011 18:09
Client ID: DUP
Sample Info: ,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



Data File: /var/chem/goms/mj,i/J011011,b/mc2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500,0

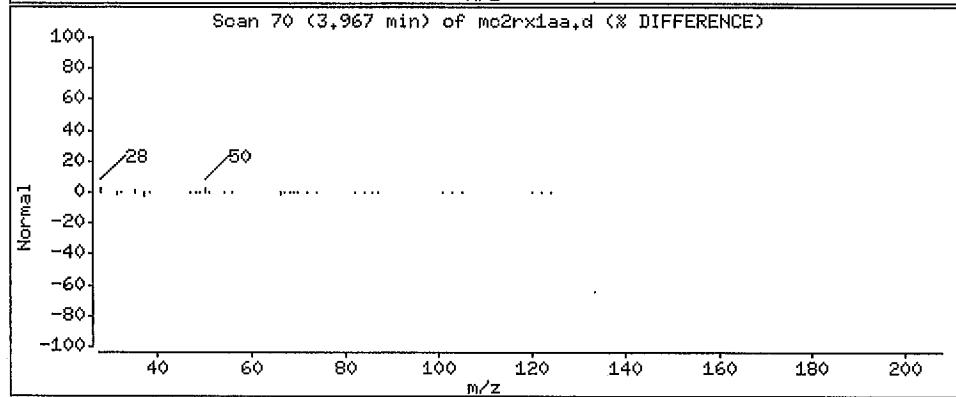
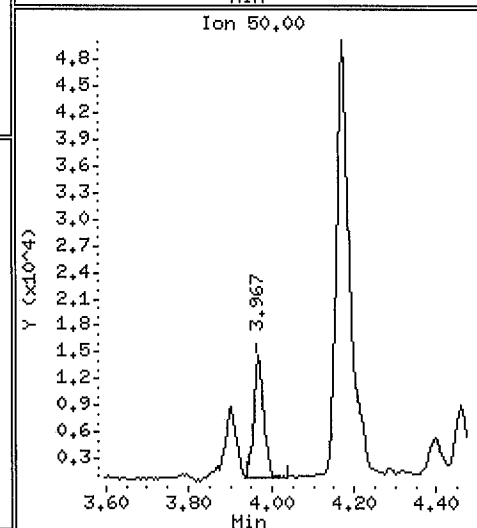
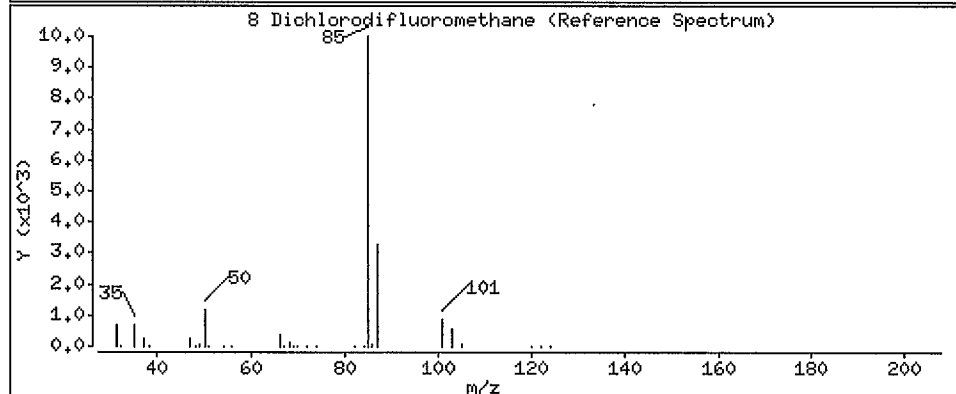
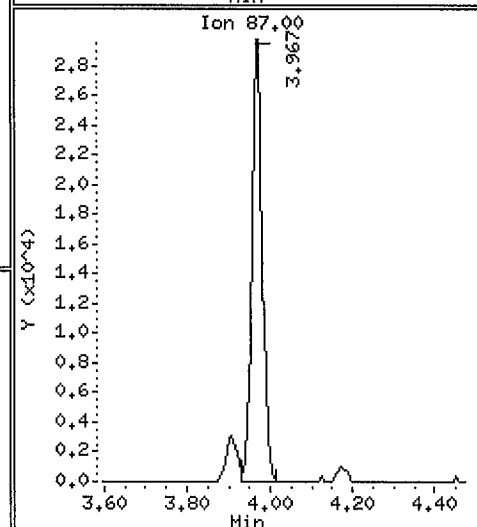
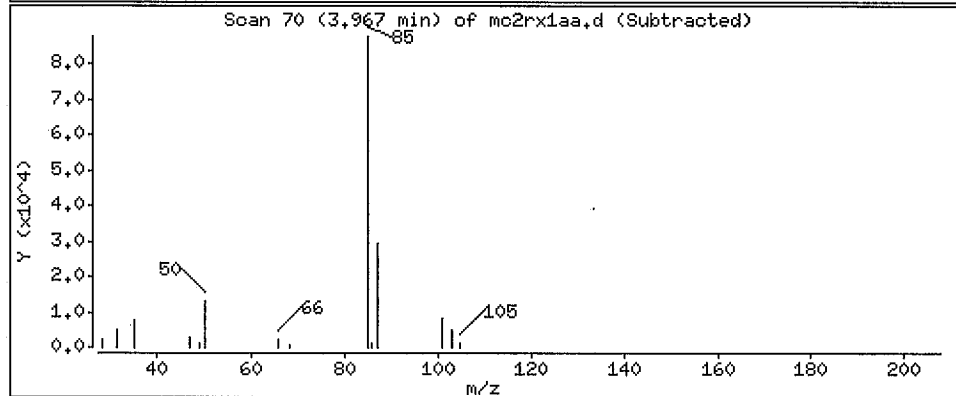
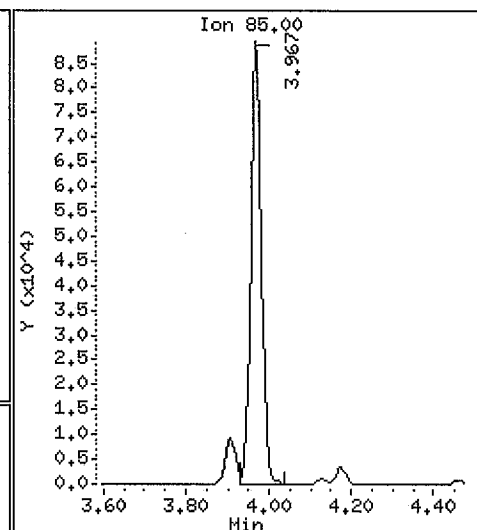
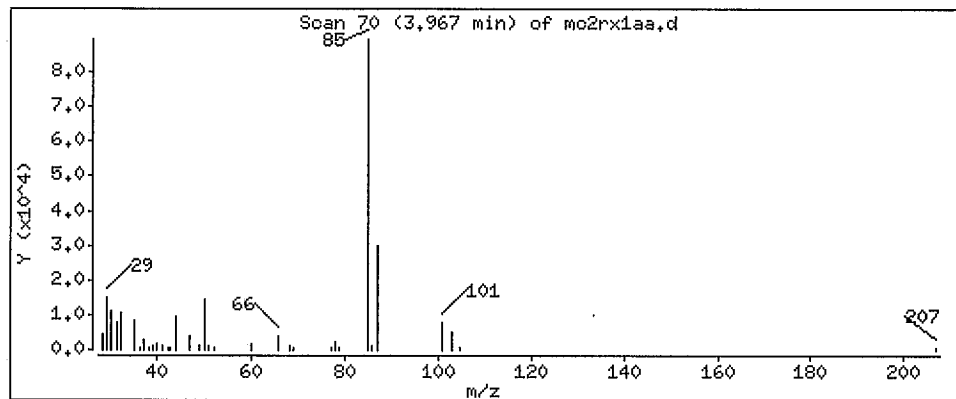
Operator: 22980

Column phase: Rtx-5

Column diameter: 0,32

8 Dichlorodifluoromethane

Concentration: 0,5657 ppb(v/v)



Data File: /var/chem/goms/mj,i/J011011,b/mc2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500,0

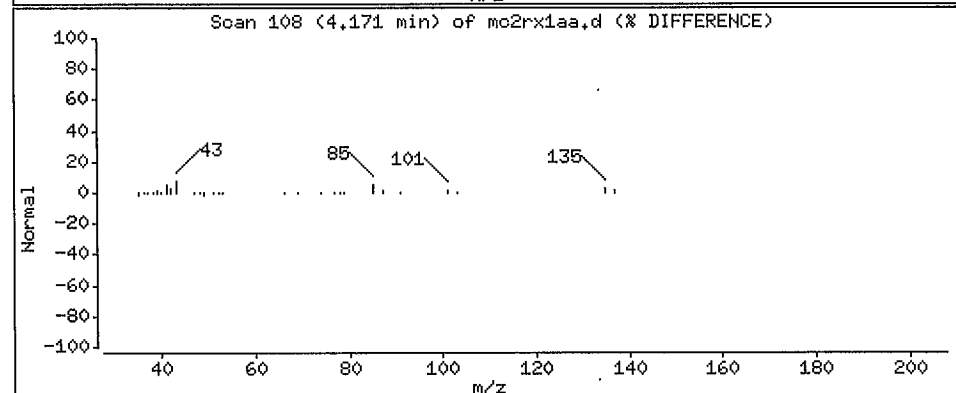
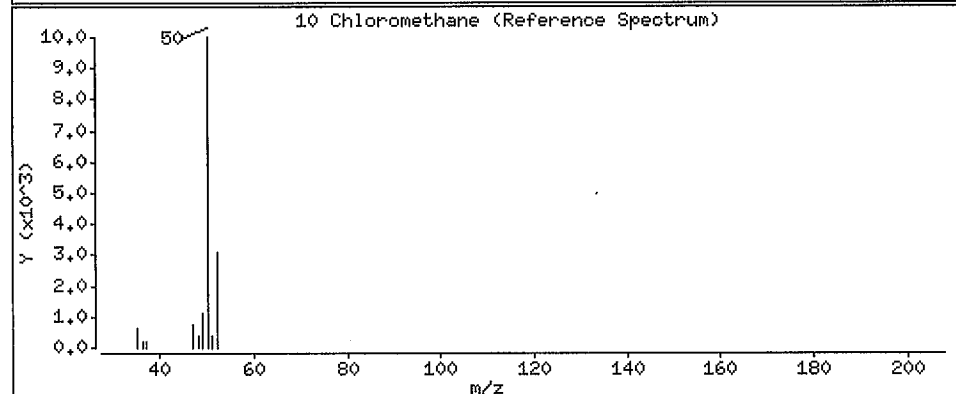
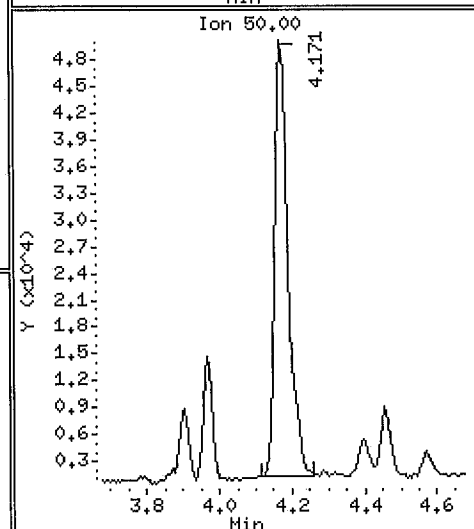
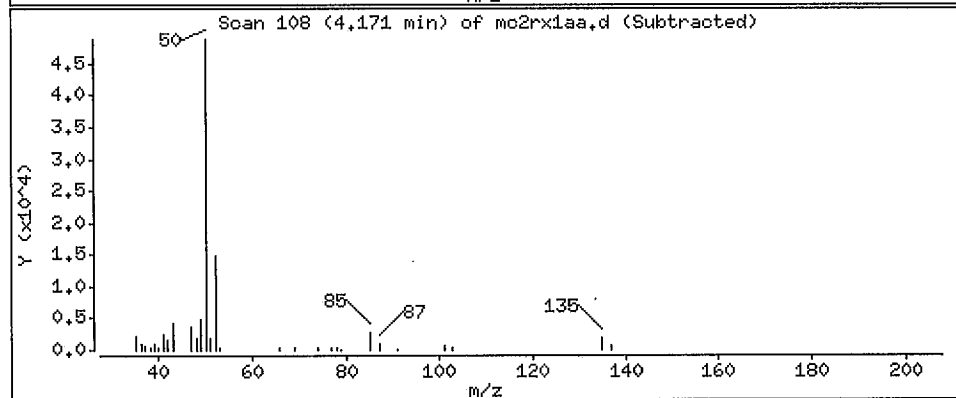
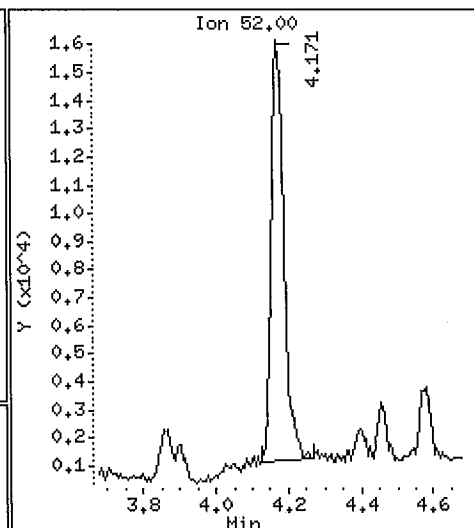
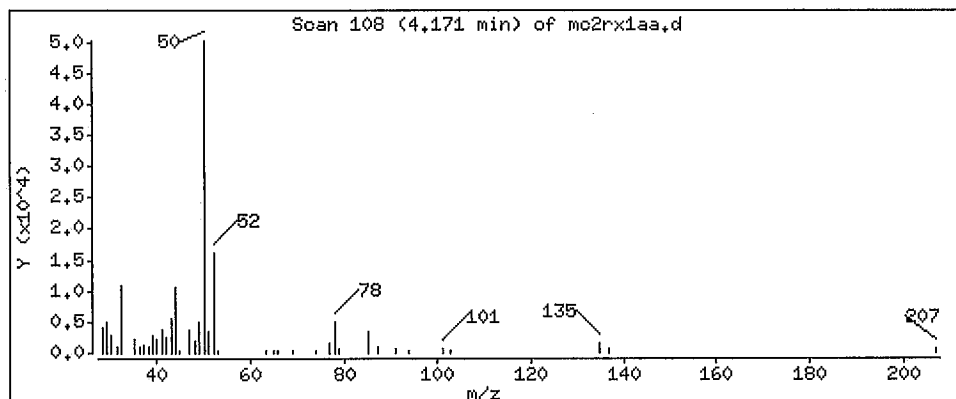
Operator: 22980

Column phase: Rtx-5

Column diameter: 0,32

10 Chloromethane

Concentration: 0,7260 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500.0

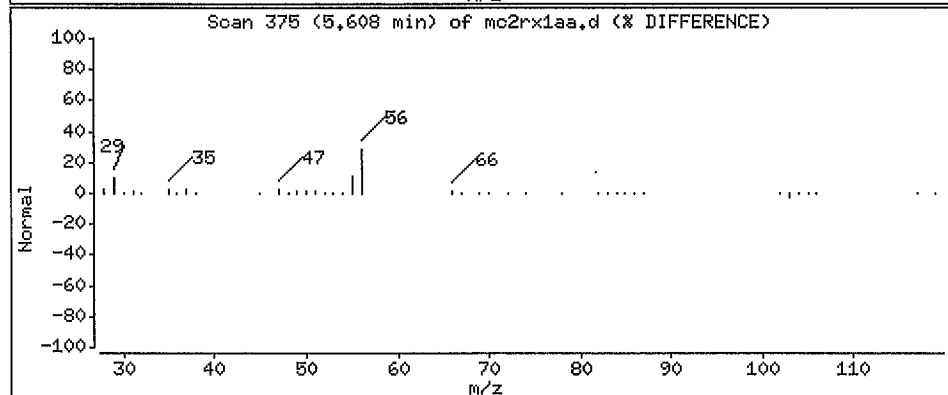
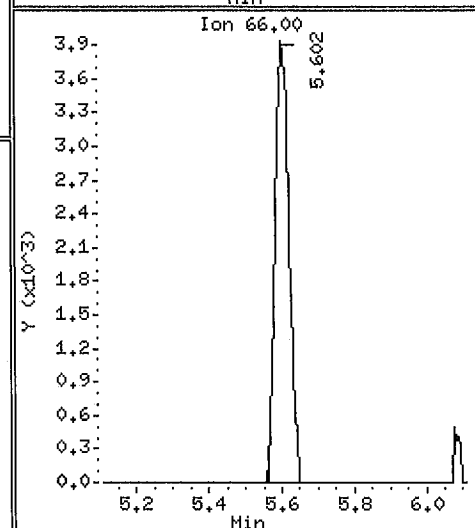
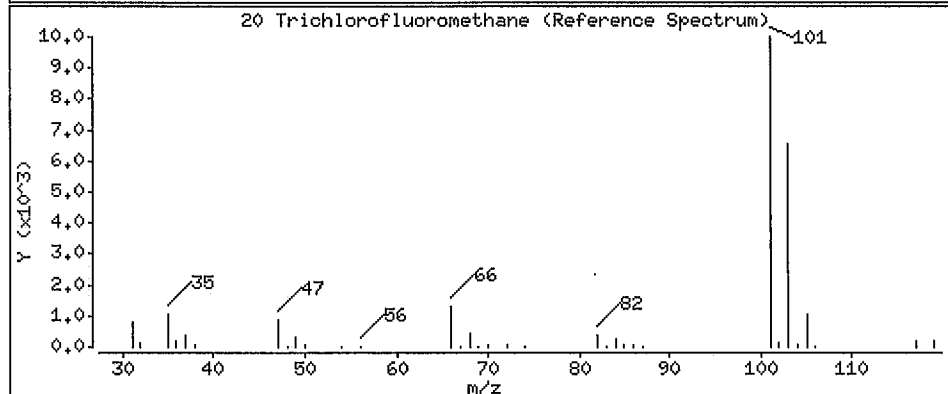
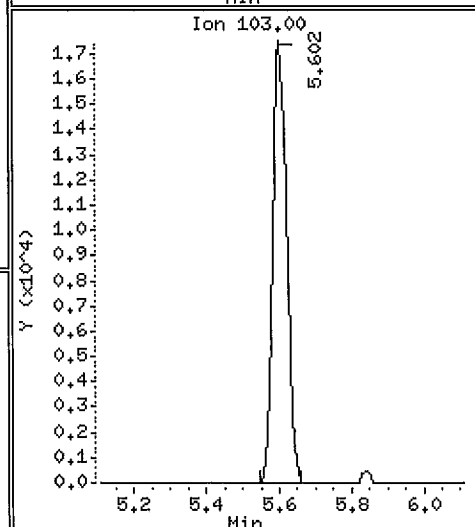
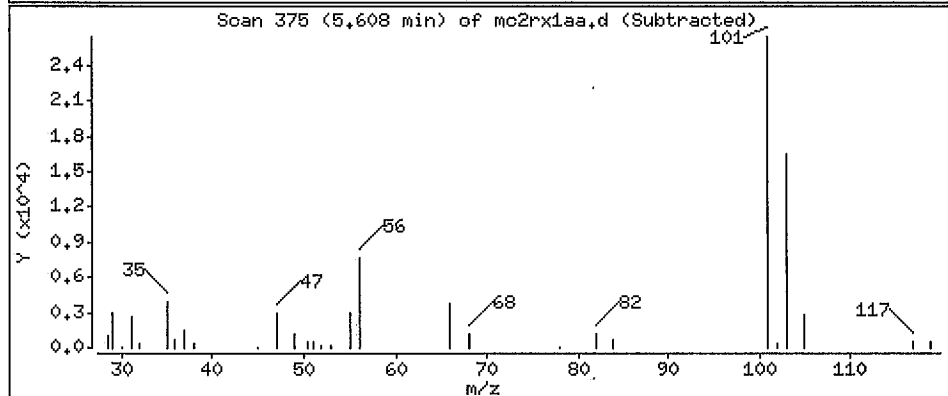
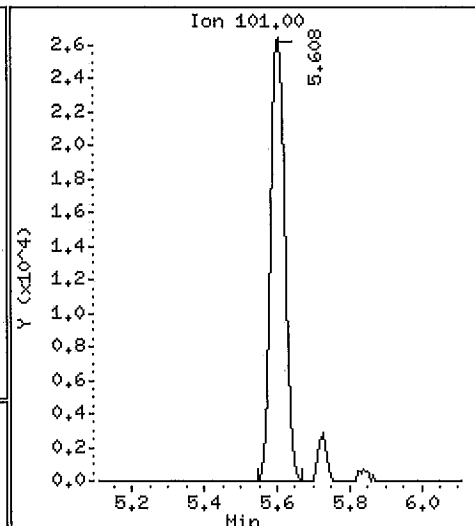
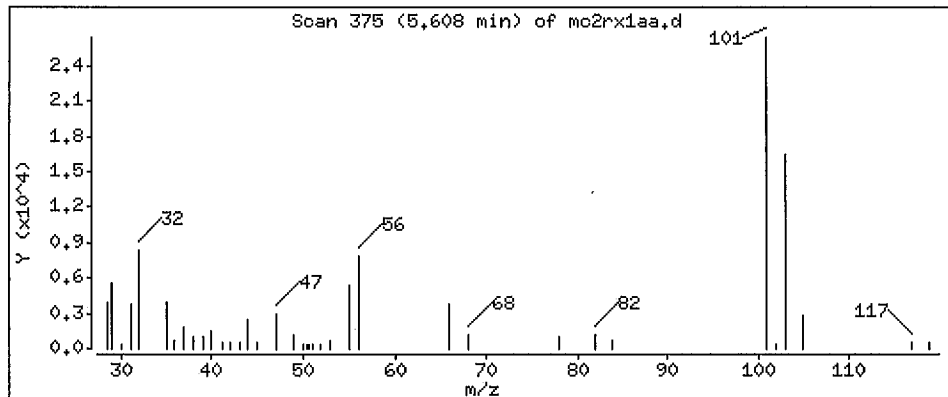
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

20 Trichlorofluoromethane

Concentration: 0.2819 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011,b/mc2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,,,0,,,

Purge Volume: 500.0

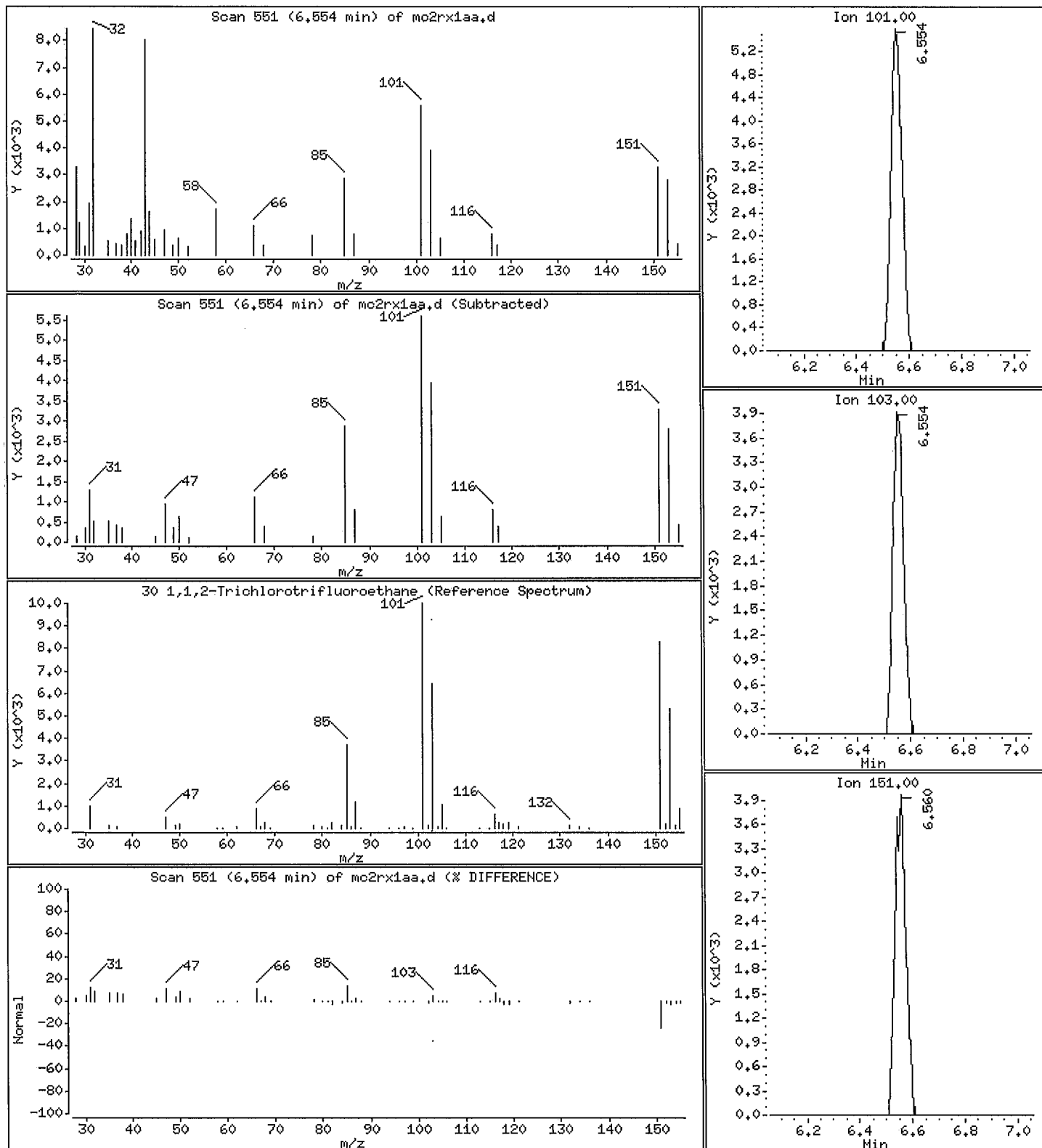
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

30 1,1,2-Trichlorotrifluoroethane

Concentration: 0.08214 ppb(v/v)



Data File: /var/chem/goms/mj.i/J011011.b/mc2rx1aa.d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,,,0,,,

Purge Volume: 500.0

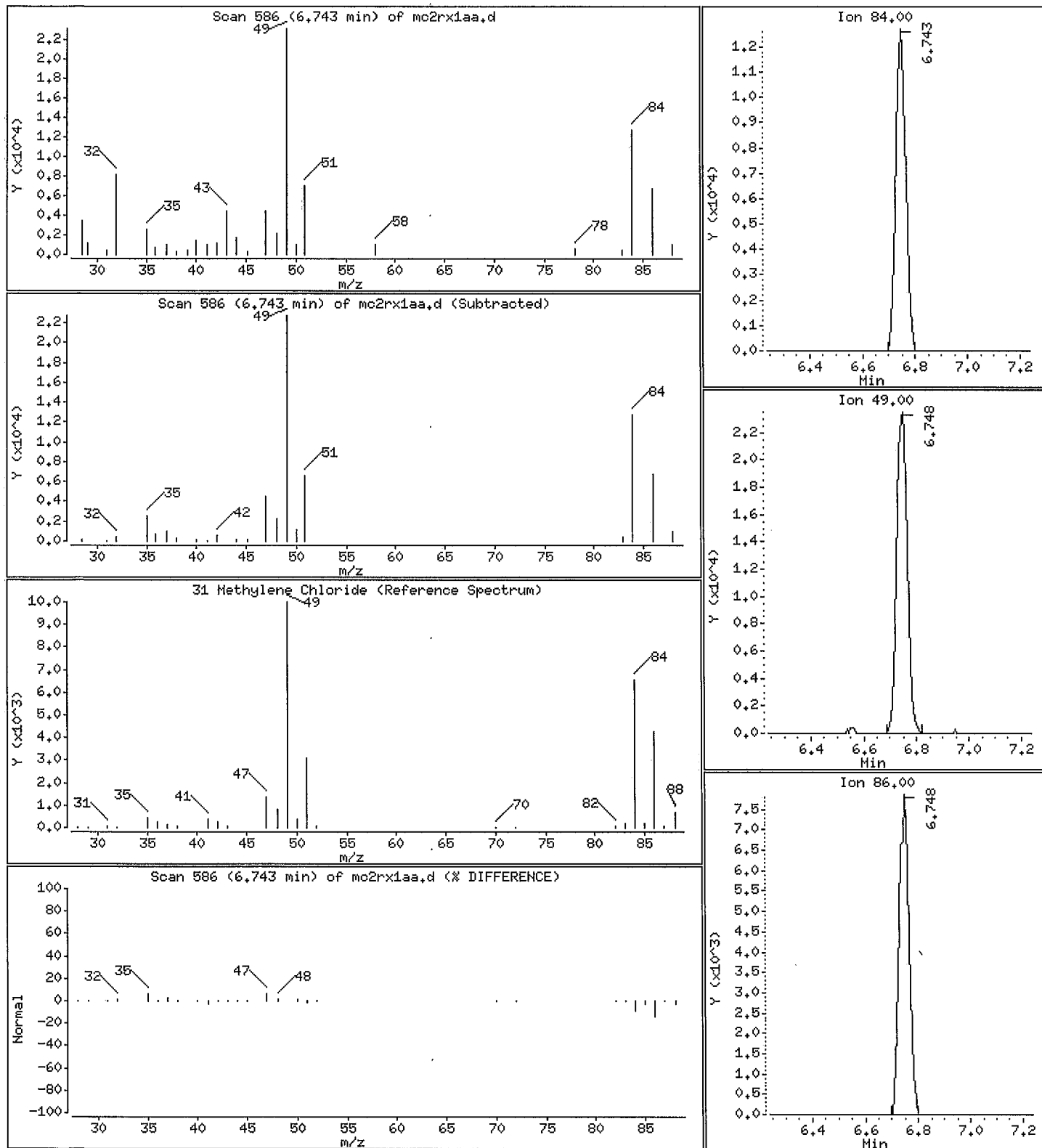
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

31 Methylene Chloride

Concentration: 0.3577 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mo2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500.0

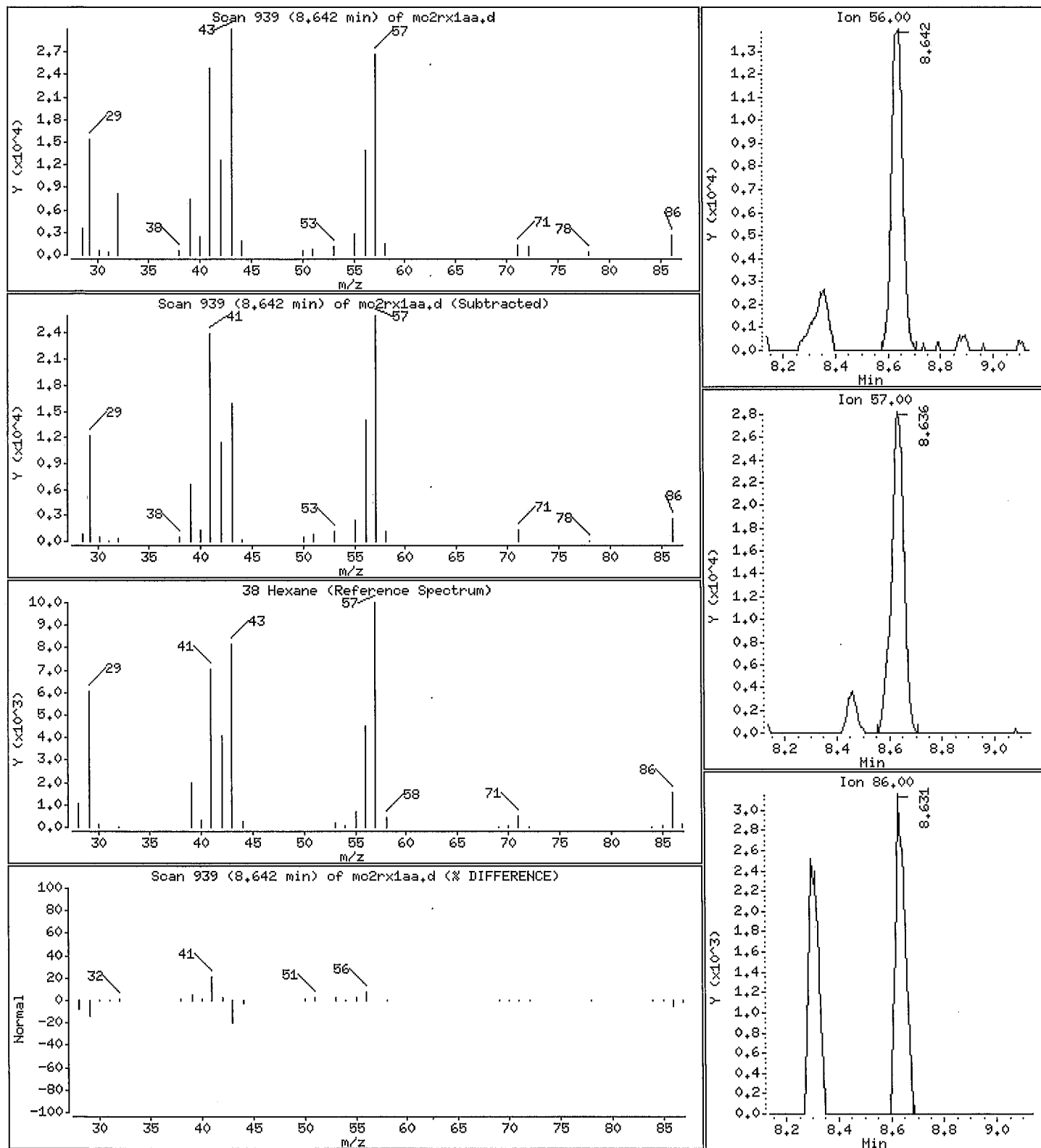
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

38 Hexane

Concentration: 0.4181 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rx1aa.d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,,,0,,,

Purge Volume: 500.0

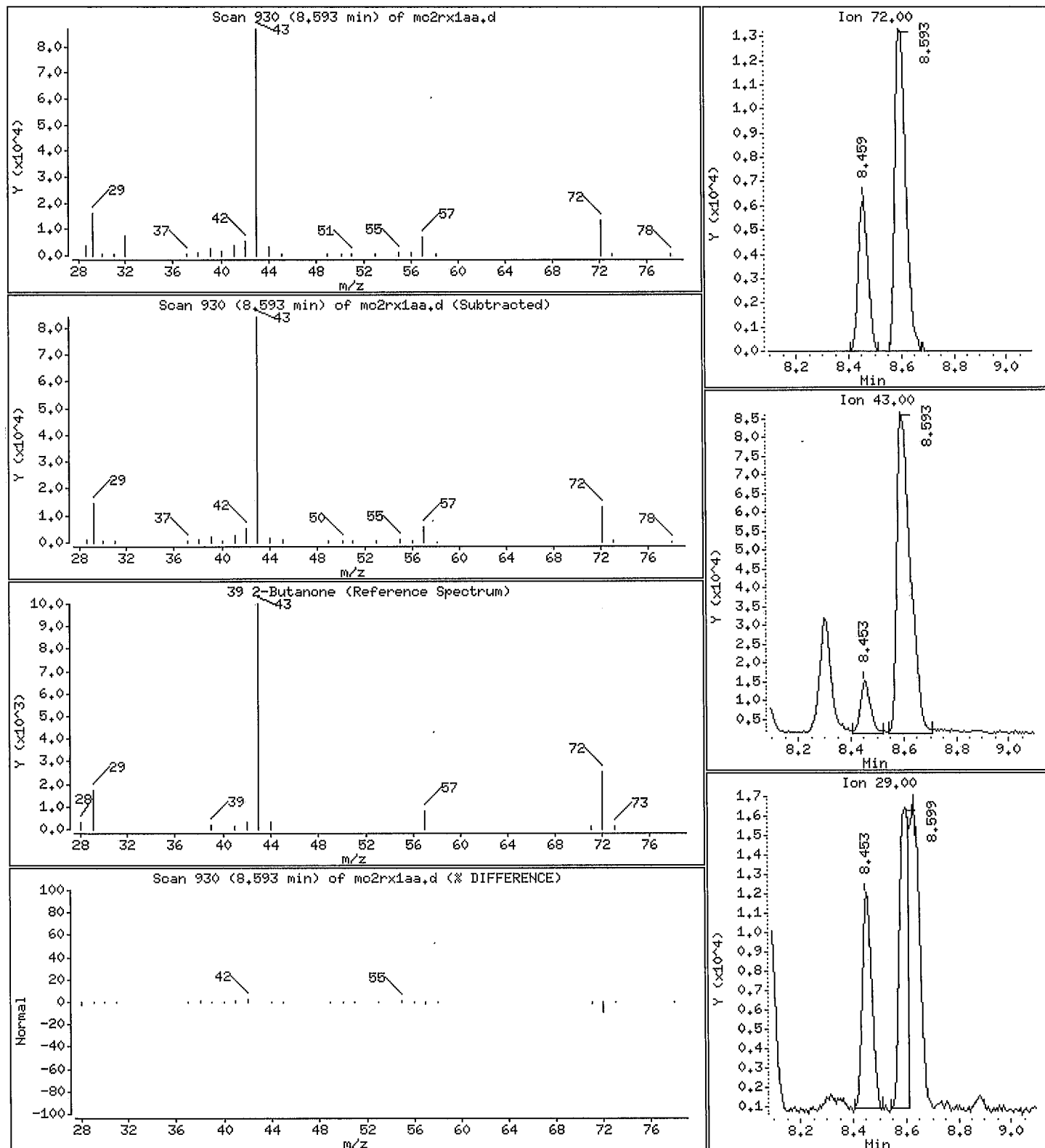
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

39 2-Butanone

Concentration: 1,271 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mc2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500.0

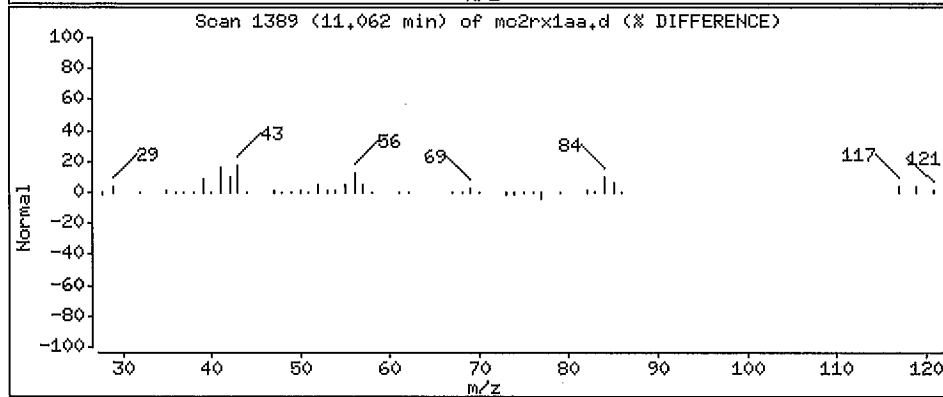
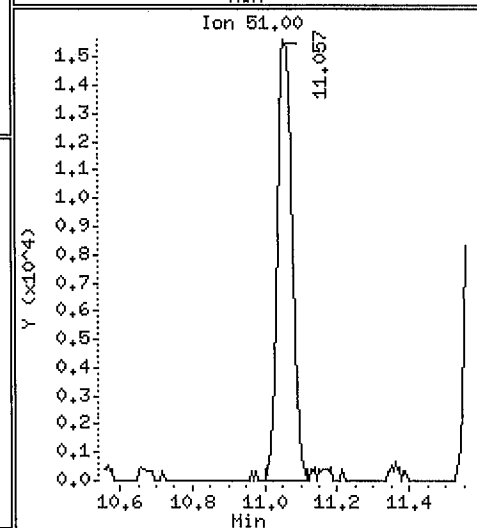
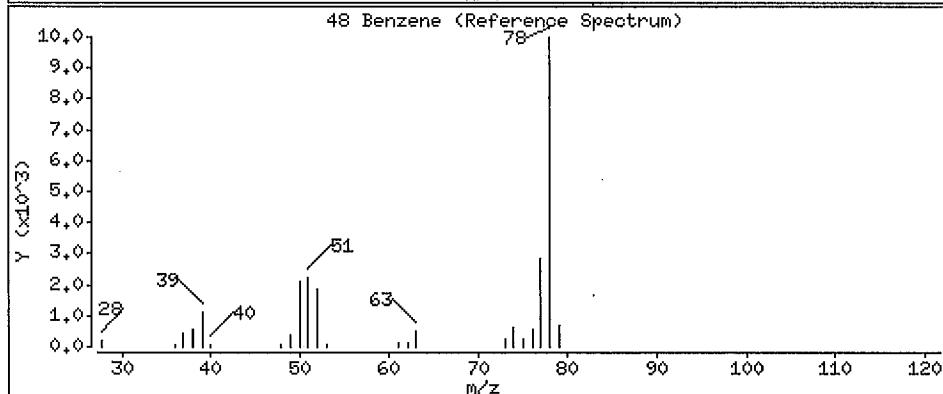
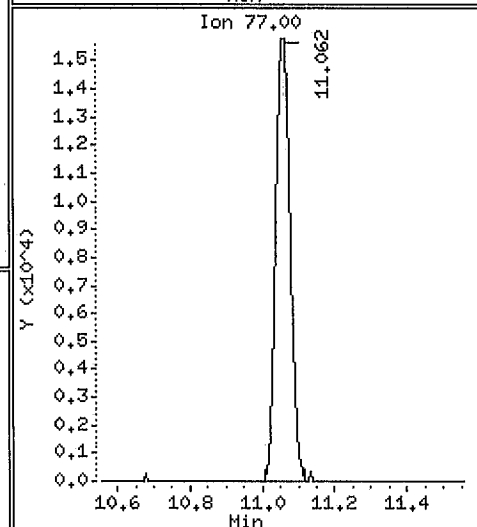
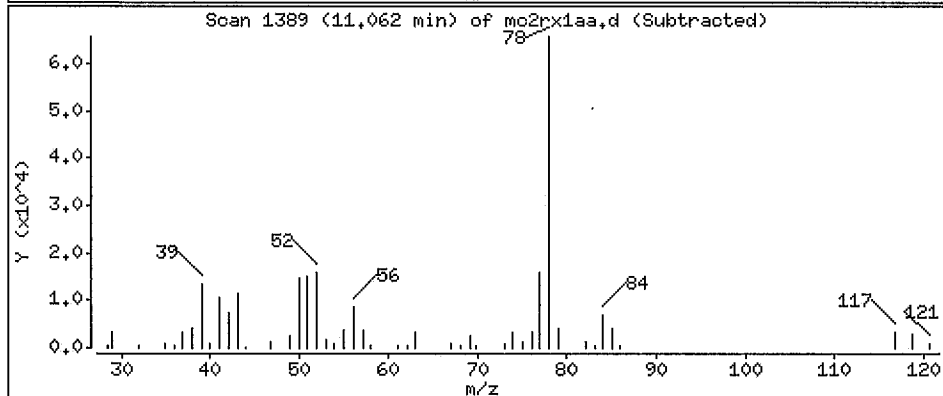
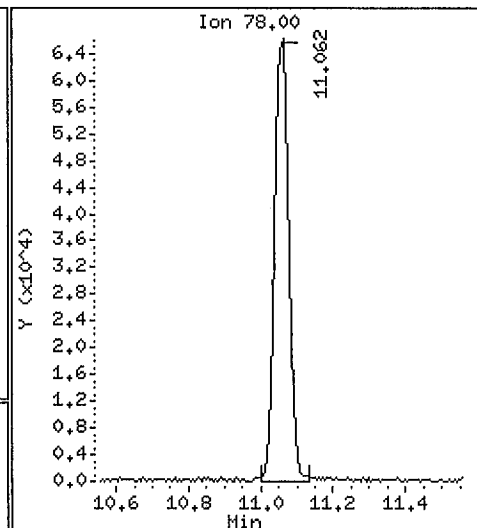
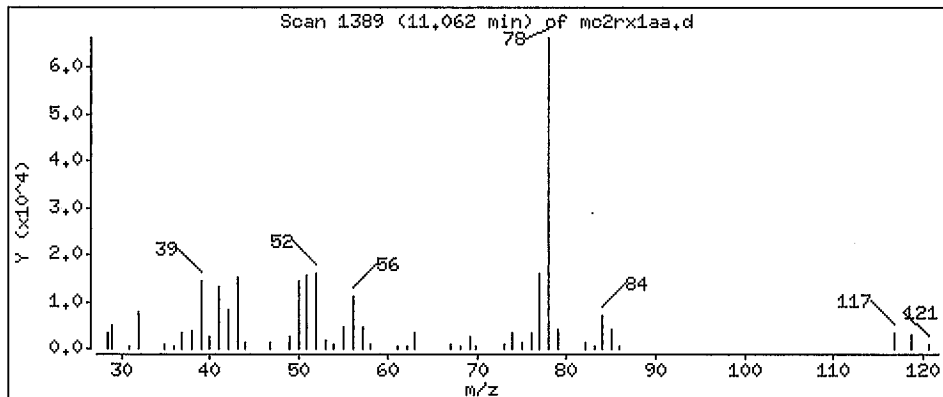
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

48 Benzene

Concentration: 0.5903 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rx1aa.d

Date: 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,0,,,

Purge Volume: 500.0

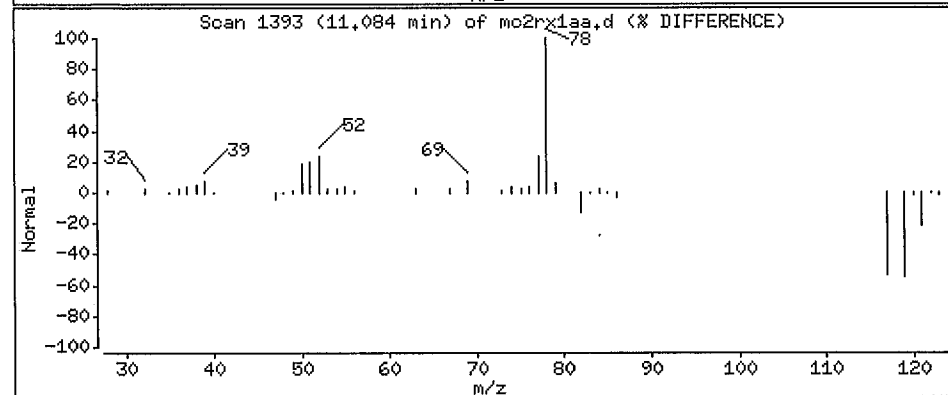
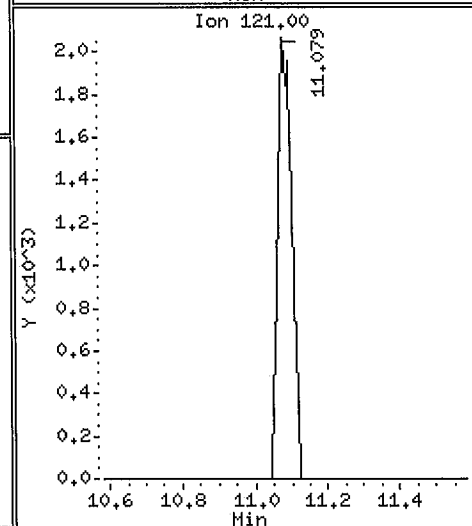
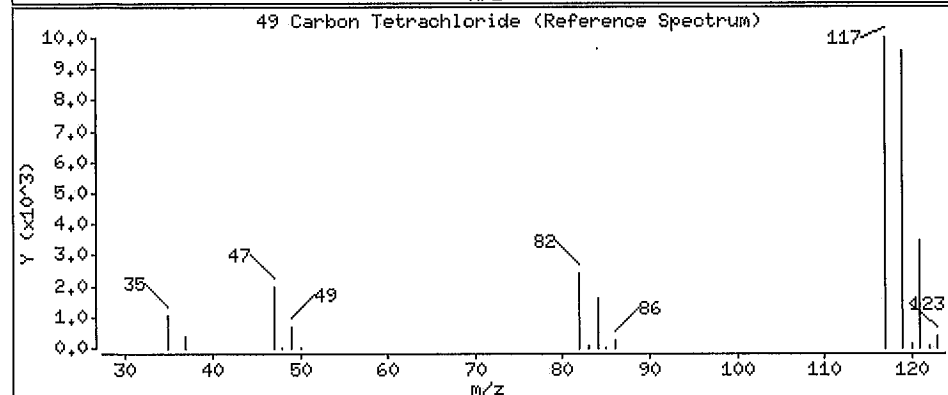
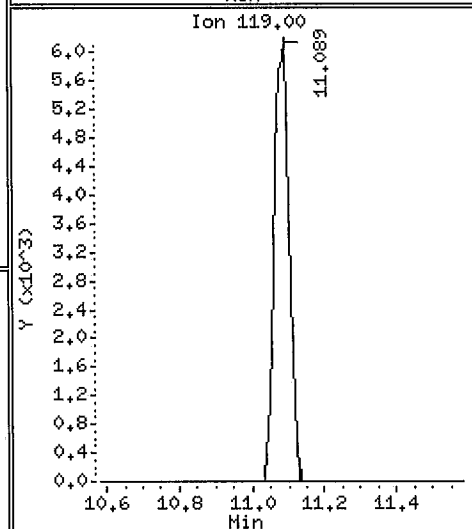
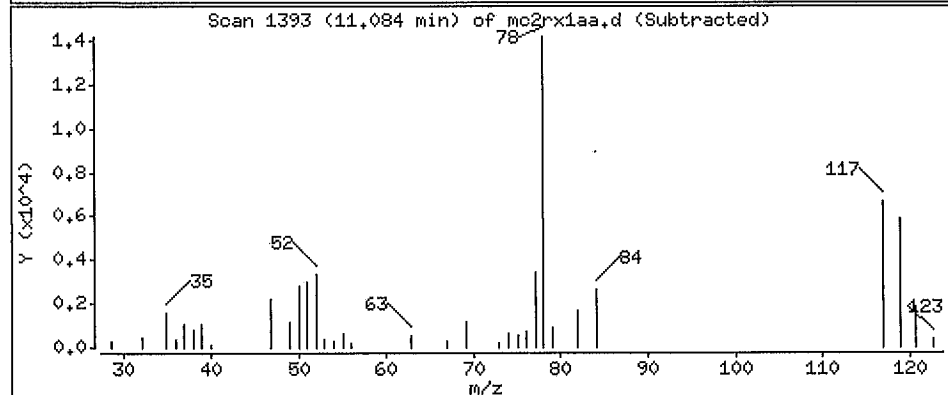
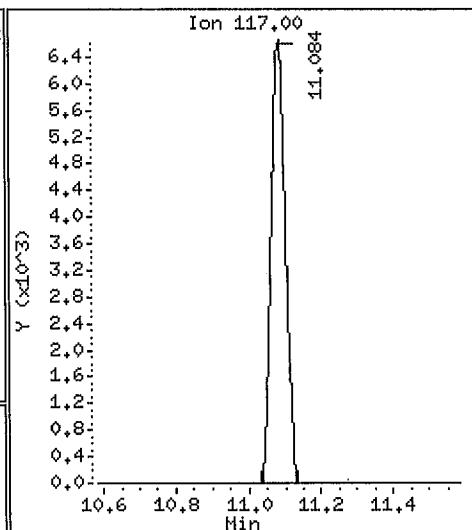
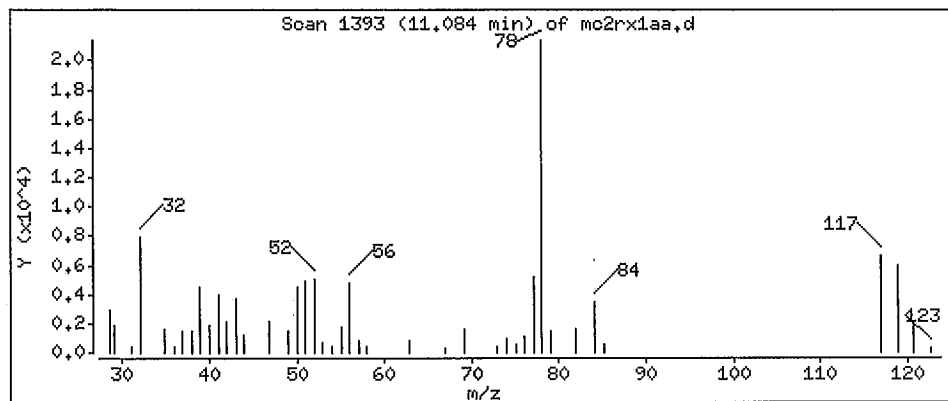
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

49 Carbon Tetrachloride

Concentration: 0.1038 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mo2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500,0

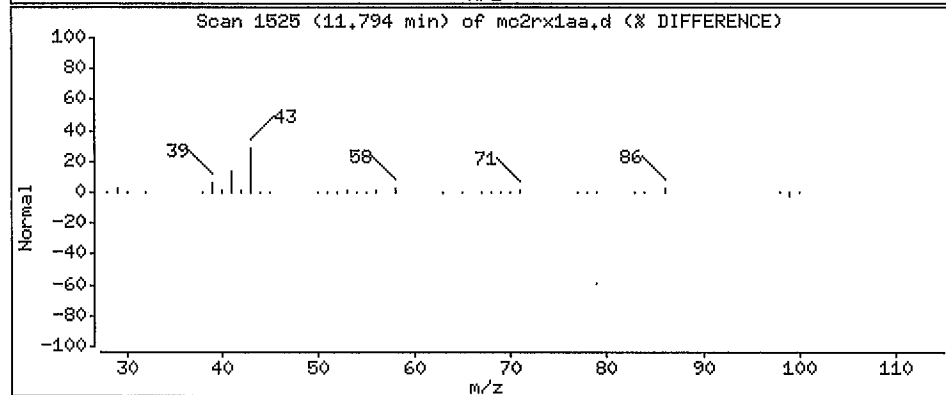
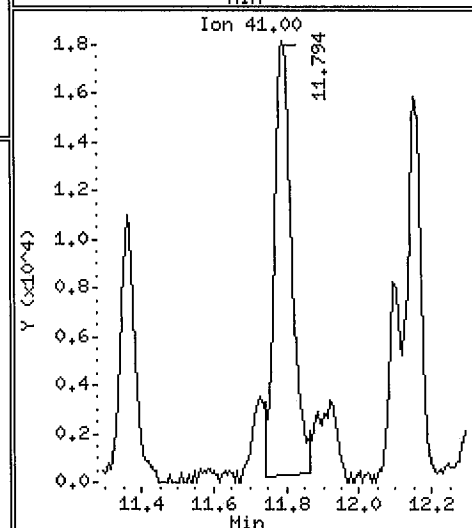
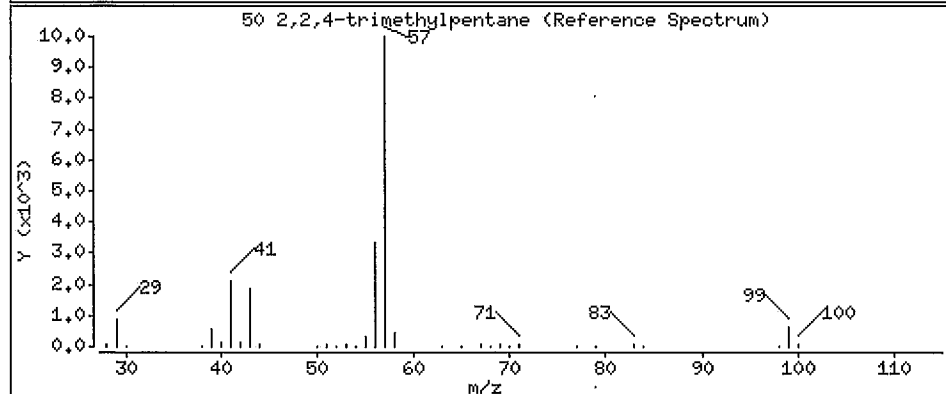
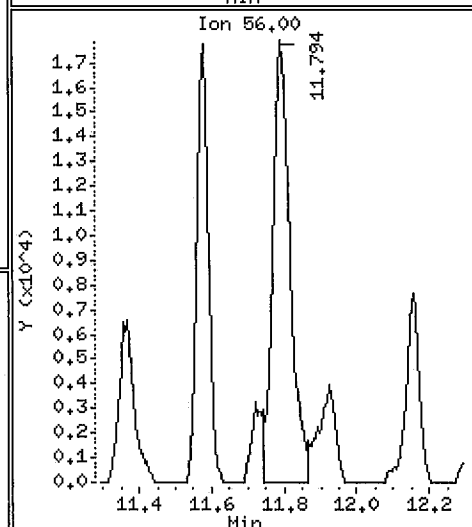
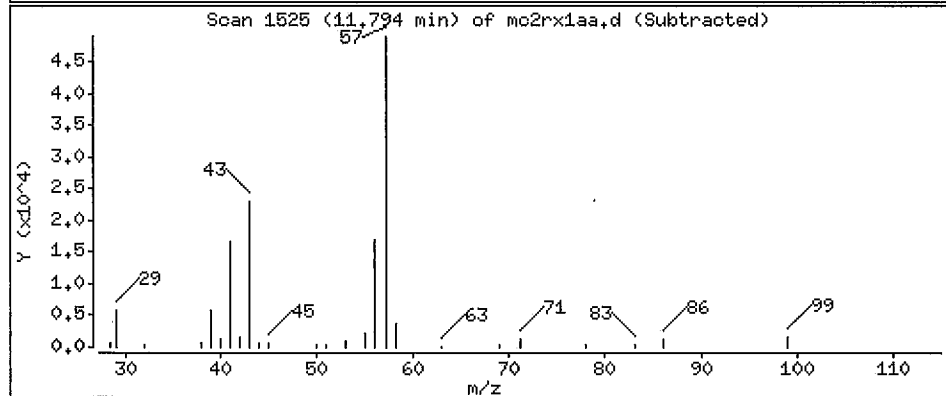
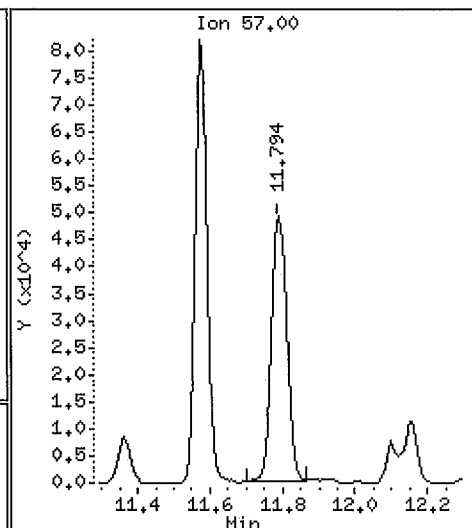
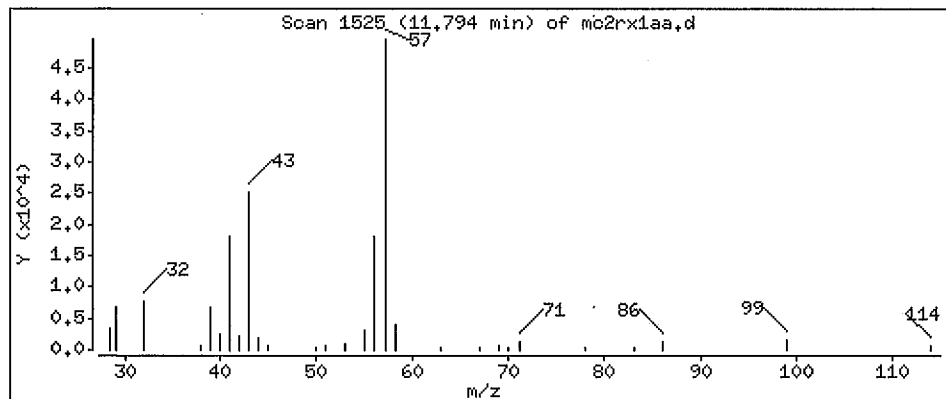
Operator: 22980

Column phase: Rtx-5

Column diameter: 0,32

50 2,2,4-trimethylpentane

Concentration: 0,2424 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mo2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500.0

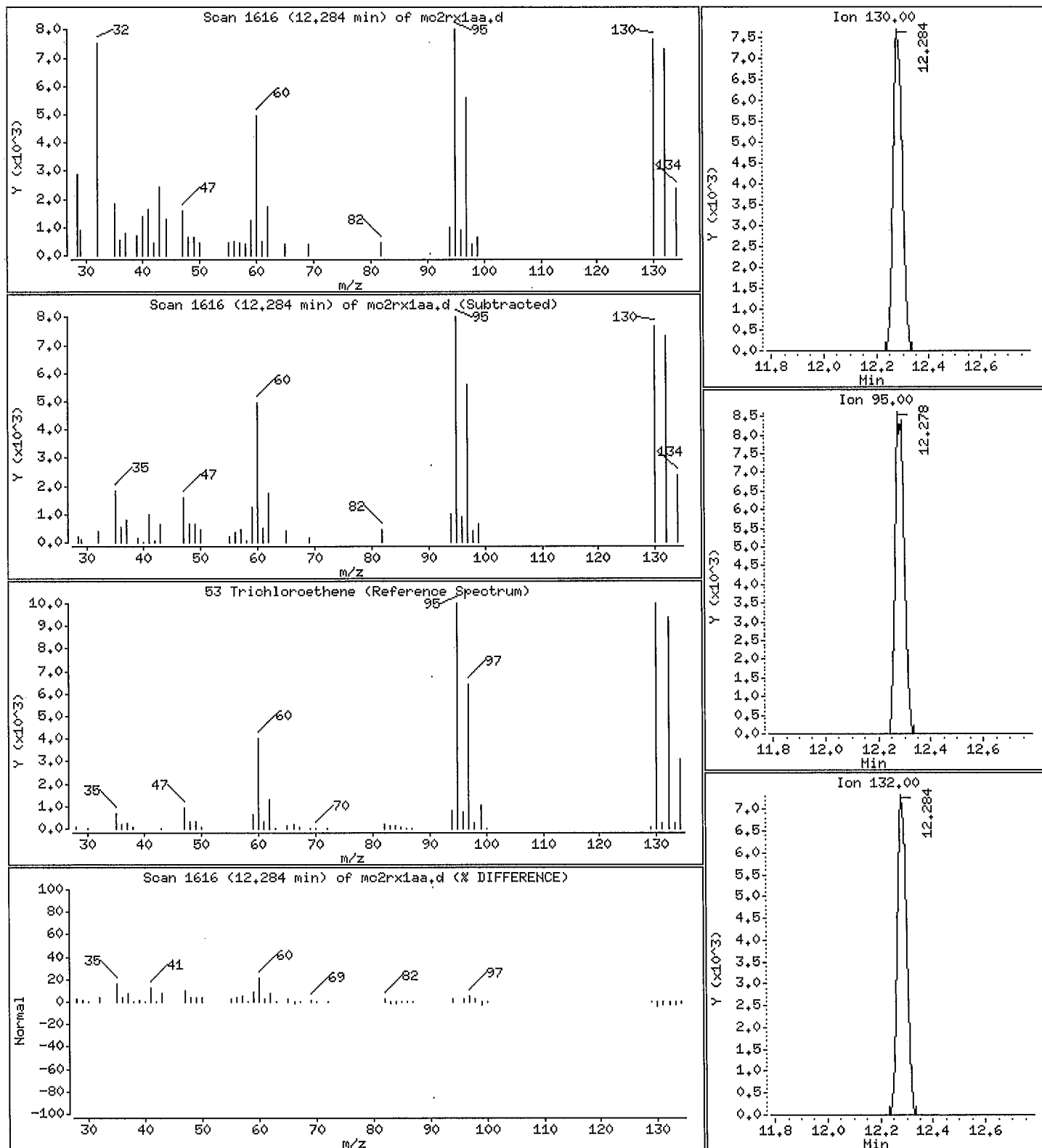
Operator: 22980

Column phase: Rtx-5

Column diameter: 0,32

53 Trichloroethene

Concentration: 0,1393 ppb(v/v)



Data File: /var/chem/goms/mj,i/J011011,b/mo2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500,0

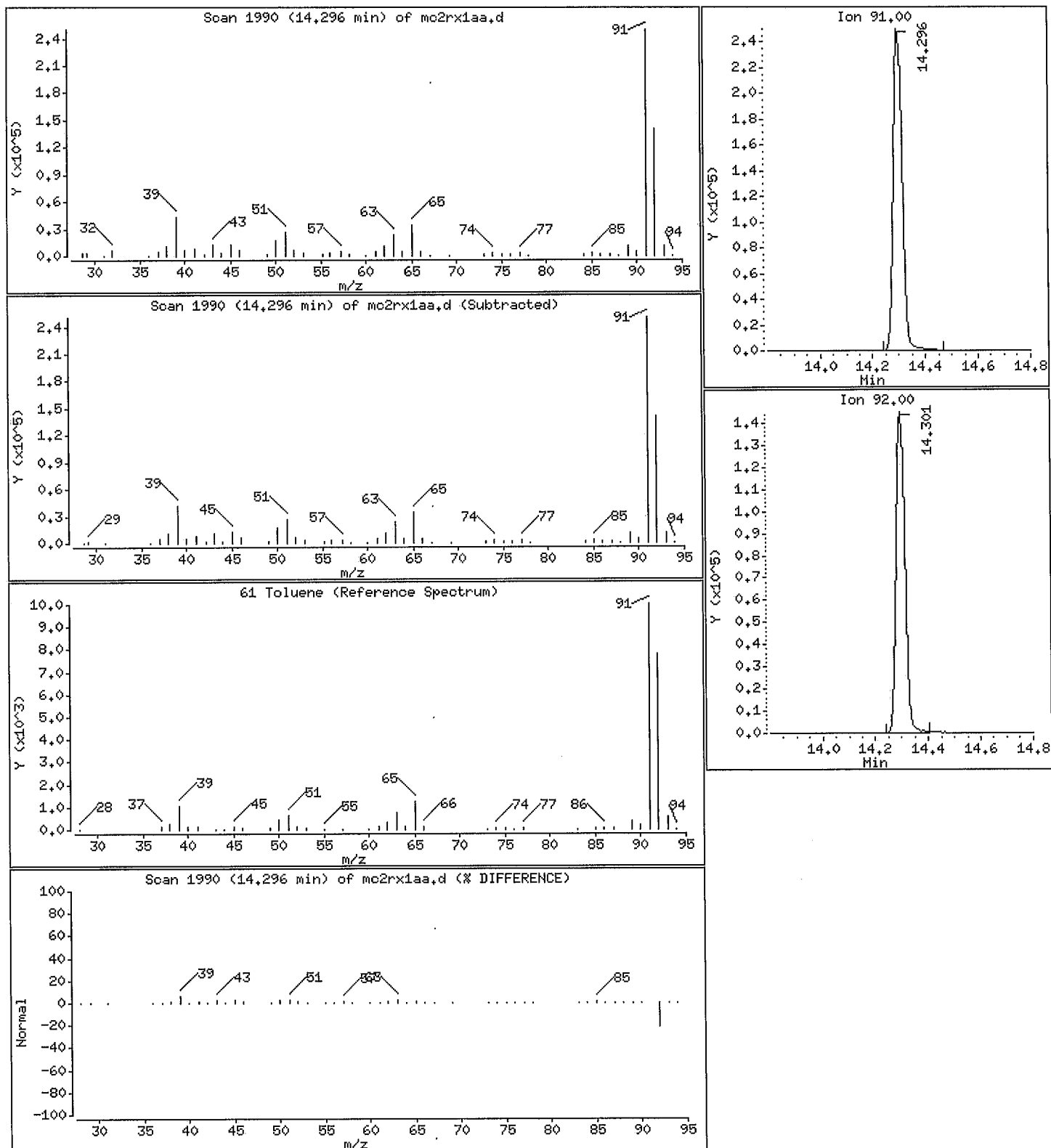
Operator: 22980

Column phase: Rtx-5

Column diameter: 0,32

61 Toluene

Concentration: 2,020 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,,,0,,,

Purge Volume: 500.0

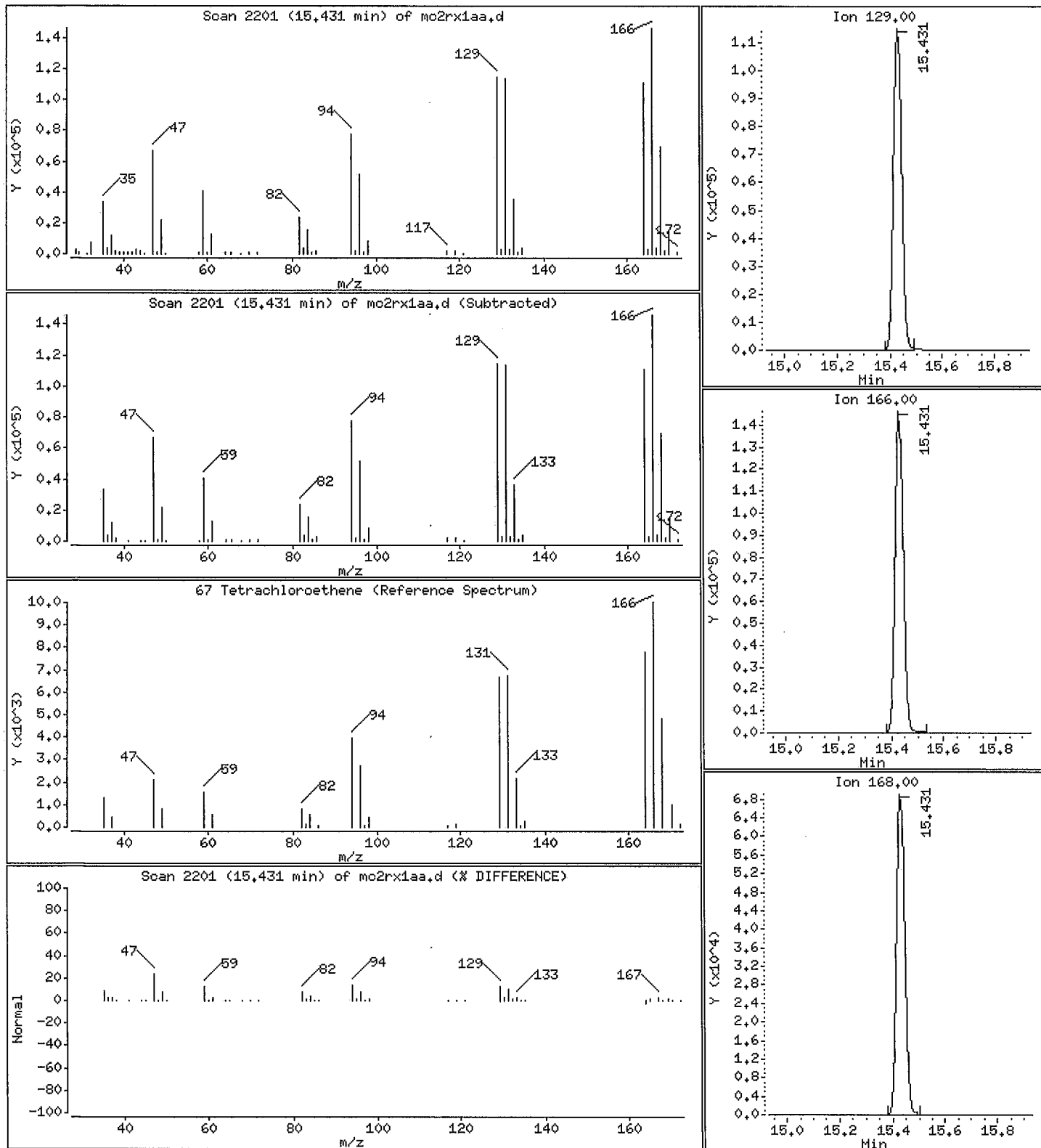
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

67 Tetrachloroethene

Concentration: 2.109 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mo2rx1aa.d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500,0

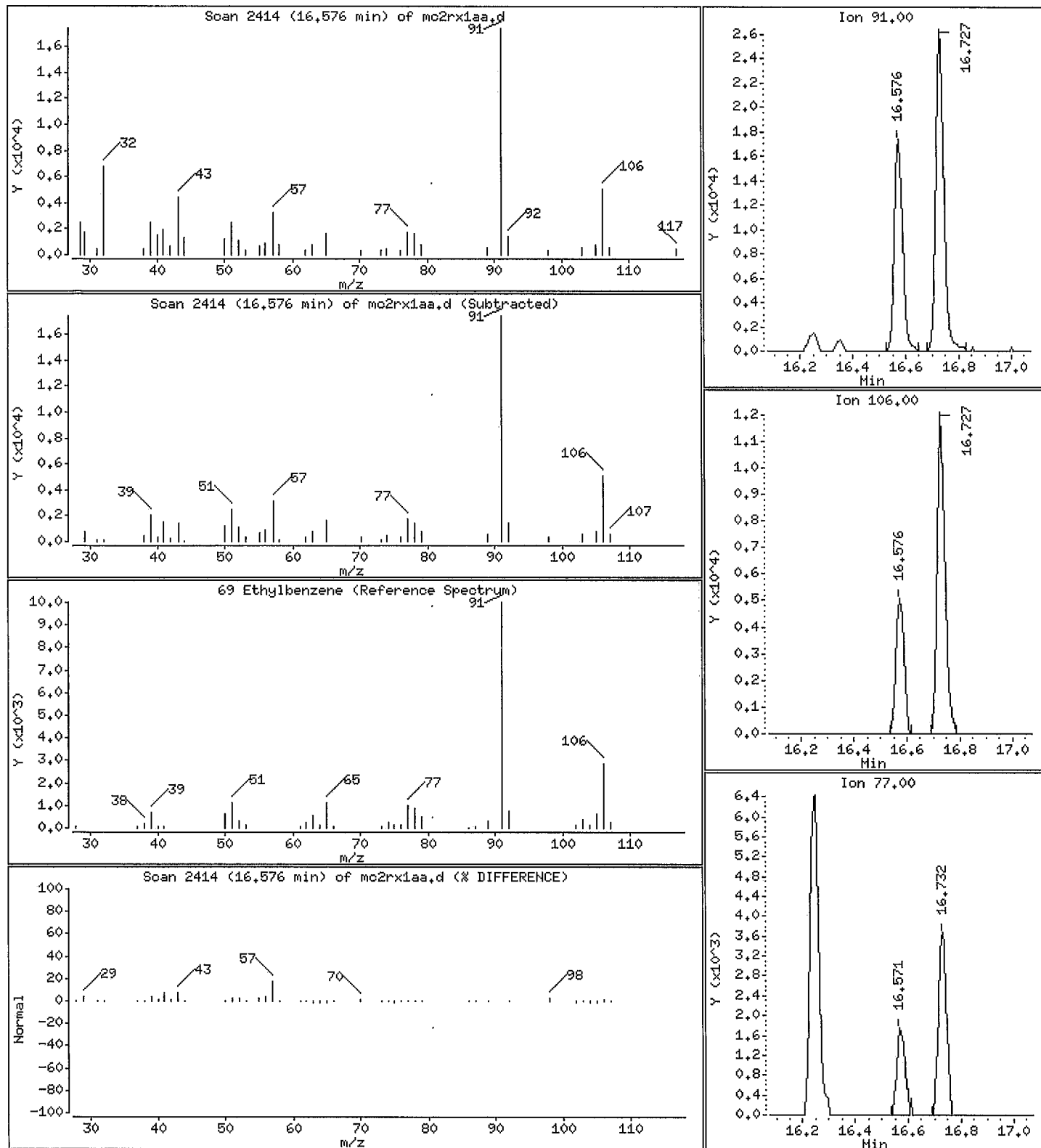
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

69 Ethylbenzene

Concentration: 0.1211 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,,,0,,,

Purge Volume: 500.0

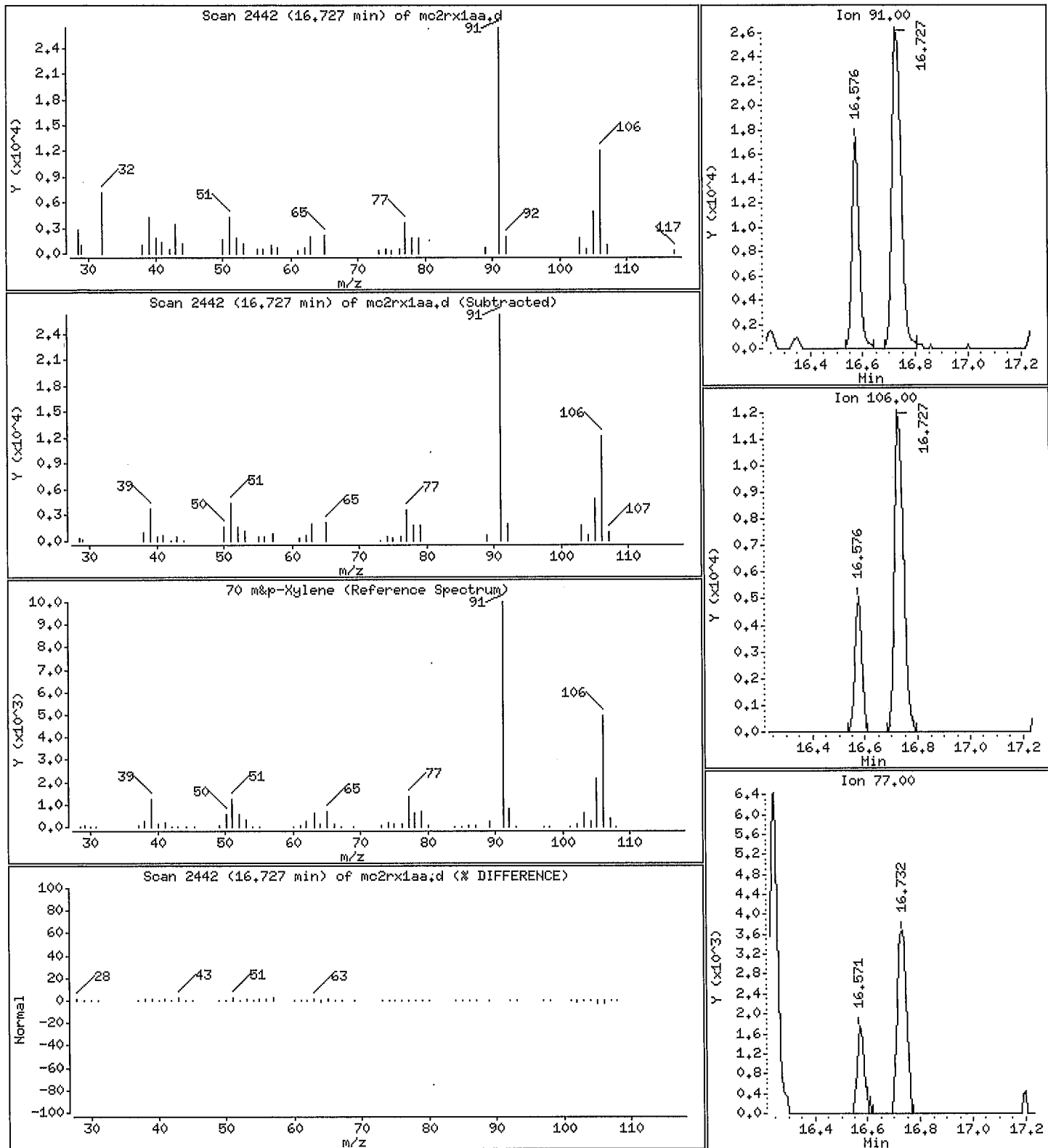
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

70 m&p-Xylene

Concentration: 0.2720 ppb(v/v)



Data File: /var/chem/gcms/mj,i/J011011,b/mo2rx1aa,d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj,i

Sample Info: ,,,0,,,

Purge Volume: 500.0

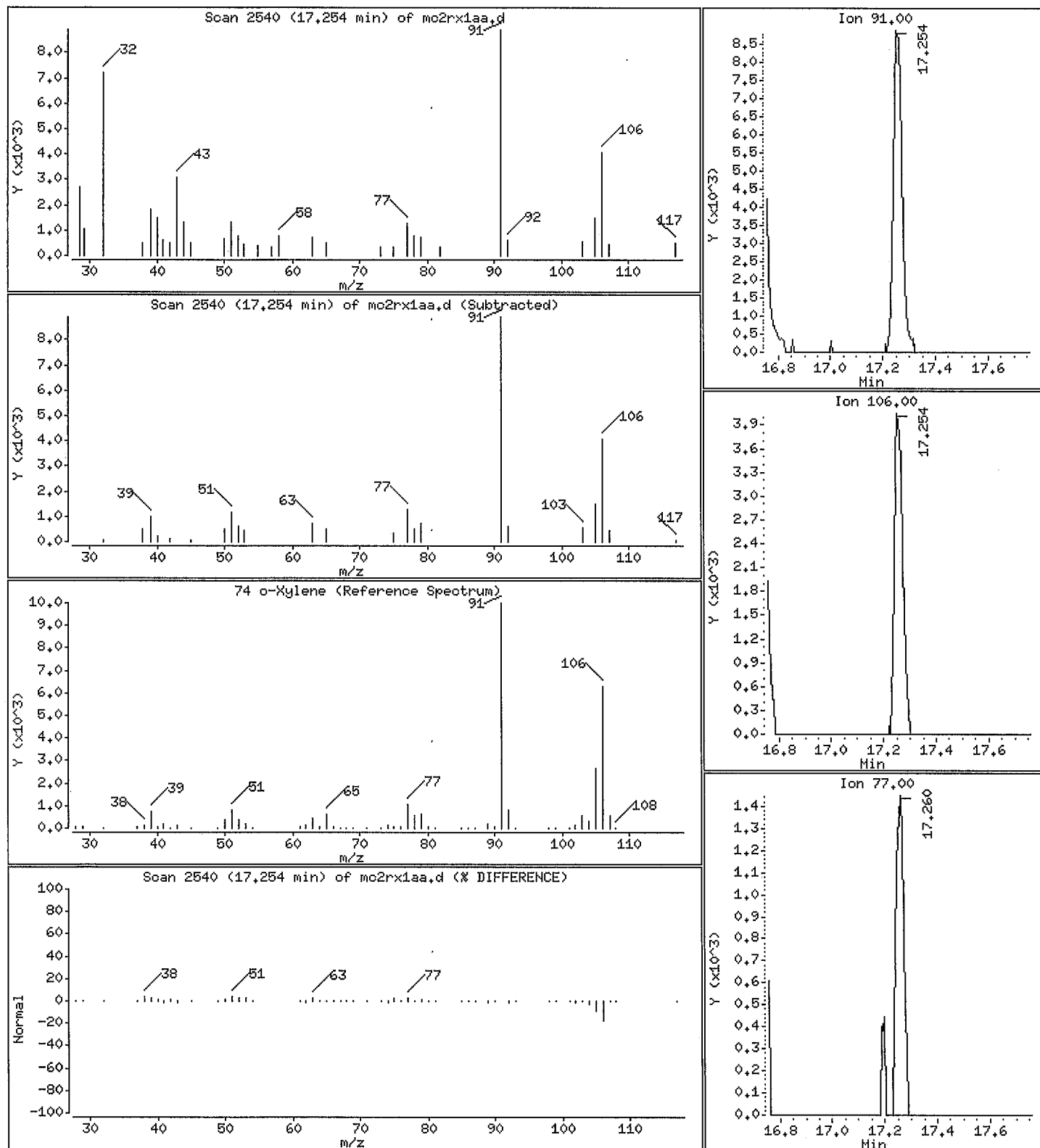
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

74 o-Xylene

Concentration: 0.08280 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mc2rx1aa.d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,,,0,,,

Purge Volume: 500.0

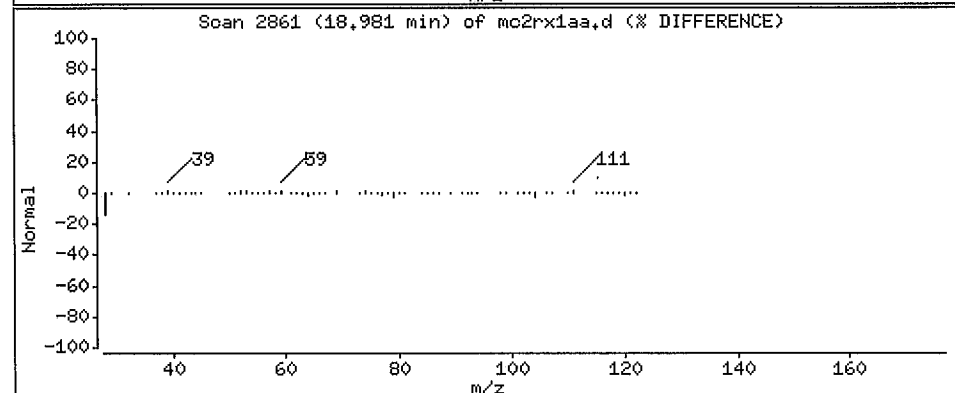
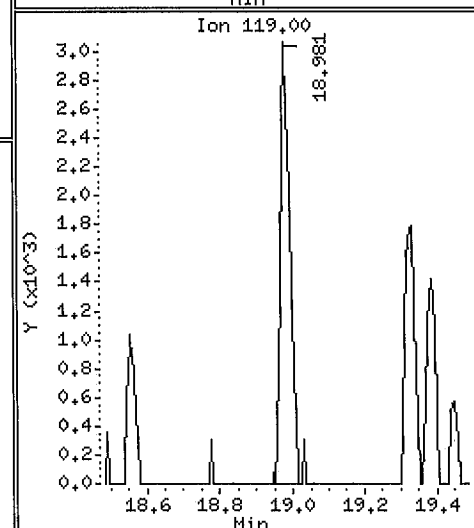
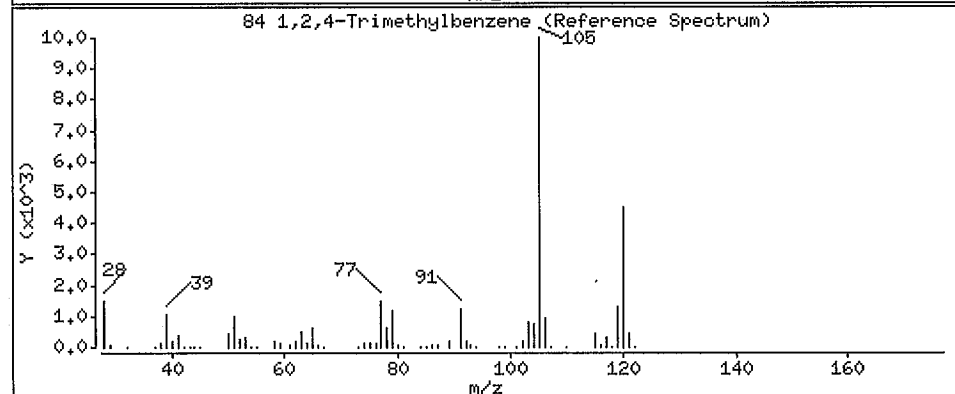
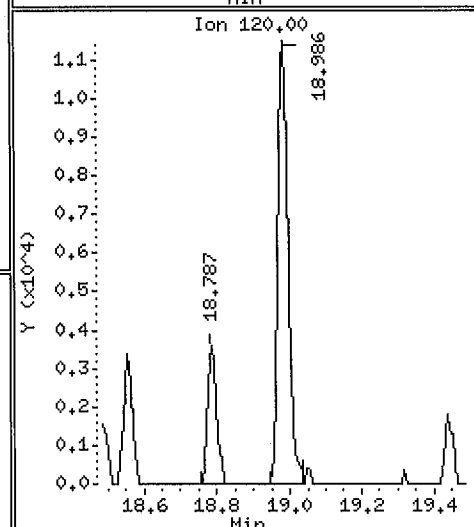
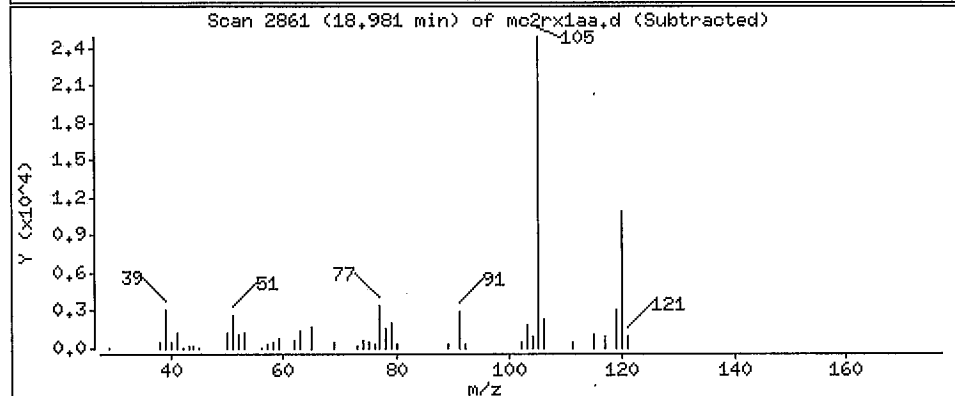
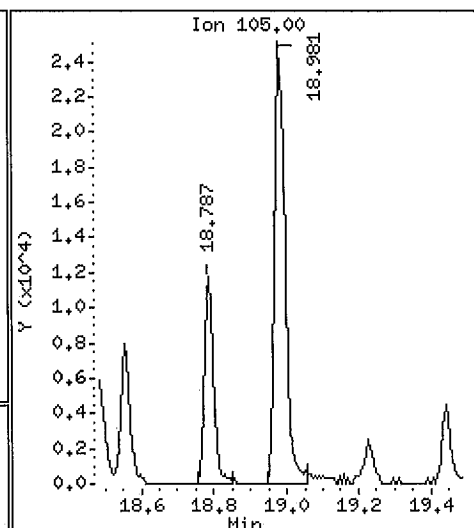
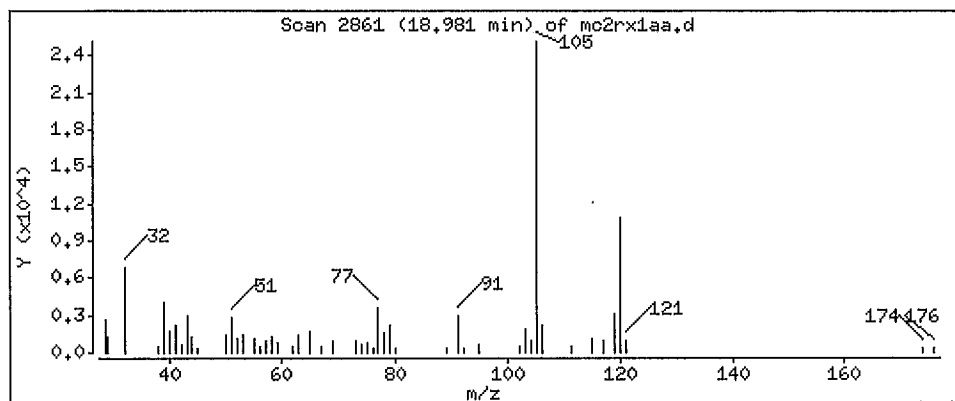
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

84 1,2,4-Trimethylbenzene

Concentration: 0.2380 ppb(v/v)



Data File: /var/chem/gcms/mj.i/J011011.b/mo2rx1aa.d

Date : 10-JAN-2011 18:09

Client ID: DUP

Instrument: mj.i

Sample Info: ,,,0,,,

Purge Volume: 500.0

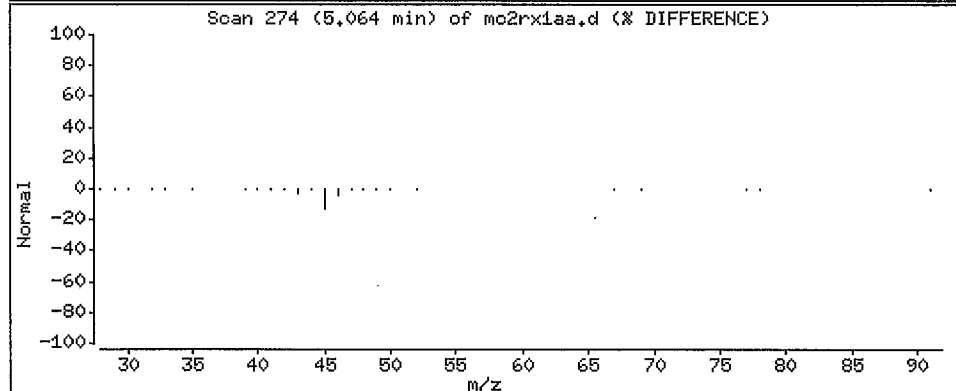
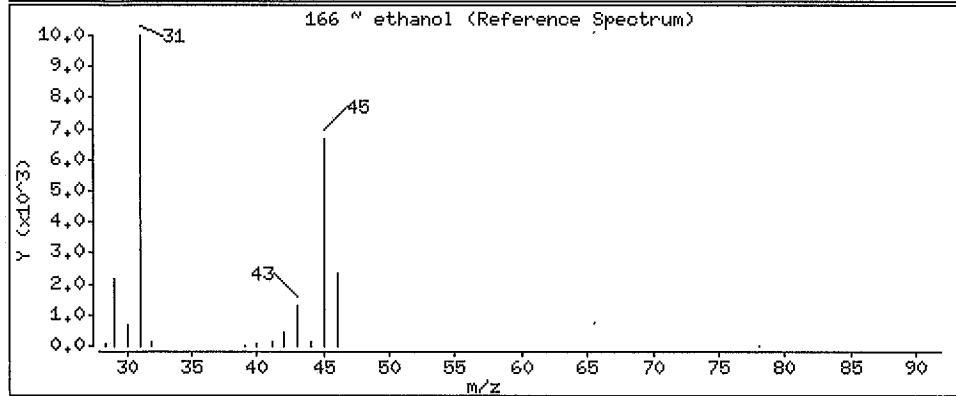
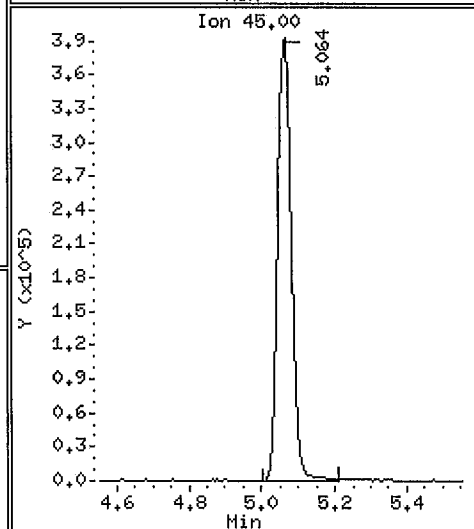
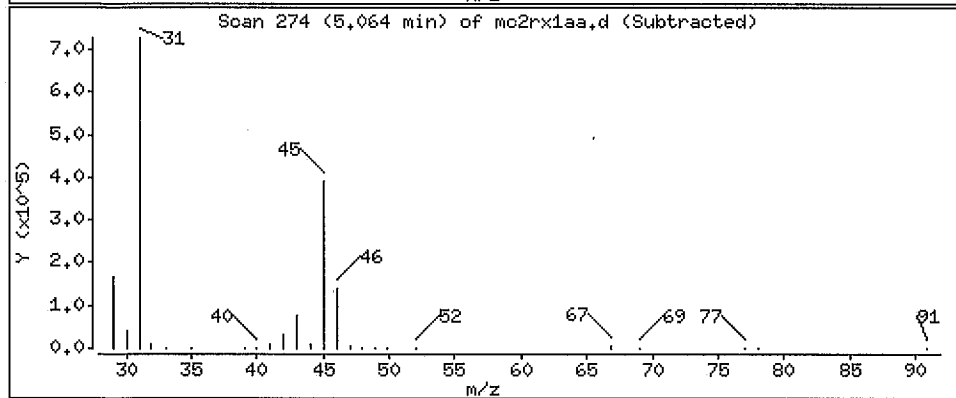
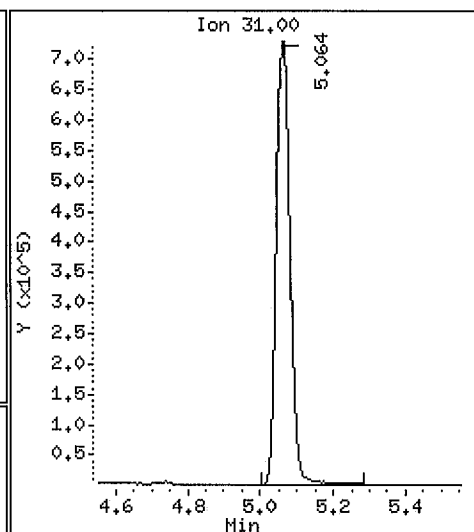
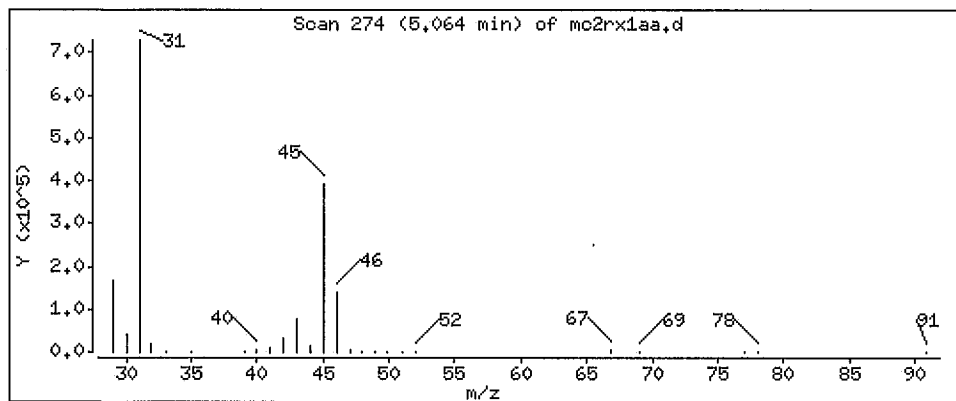
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

166 ~ ethanol

Concentration: 21.43 ppb(v/v)



Standards Data

TestAmerica Knoxville GC/MS Air Initial Calibration Data Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 11

Analysis Date: 12/6/10	Instrument: M J	ICAL Batch/Scan Name: J120610F	Scanned ☐
------------------------	-----------------	--------------------------------	----------------------------------

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd
1. Did BFB meet tune criteria?		/			/
2. Were all standards injected within 24 hr of BFB?		/			/
3. Was date/time of analysis verified and logbook as correct?		/			/
4. Is low level std at or <RL and are the remaining points consecutive?		/			/
5. Are the calibration levels correct? (Calculate standard concentration & amt. injected with quan rpt at each level)		/			/
6. Was ICAL processed using correct methods and files?		/			/
7. Are the ICAL start and end dates/times correct?		/			/
8. Were at least 5 levels of each compound analyzed?		/			/
9. At least 6 consecutive points used for quadratic curves, and at least 5 consecutive points for linear curves?		/			/
10. Is %RSD for all target analytes $\leq 30\%$? (with up to 2 compounds with RSD $\leq 40\%$)		/		124 PCB2, naph. 740% Dodecane, 123 PCB2 - NOT VALID	/
11. If curves were used, is correlation coefficient ≥ 0.990 ?	/				NA
12. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	/				NA
13. For linear or quadratic: origin NOT "included"? (NOTE: OHIO does NOT allow "FORCE" through origin).	/				NA
14. Is the "Y" intercept less than the RL for each curve?	/				NA
15. RT for each IS ± 20 sec avg. RT?		/			/
16. Area for each IS $\pm 40\%$ avg. area?		/			/
17. Each analyte ± 0.06 RRT of avg. RRT?		/			/
18. Have all peaks been auto identified? If not, list:		/			/
19. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	/			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailg; 4)RT shift; 5)wrong peak selected; 6)other	NA
20. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in ICAL summary?	/				NA
21. Are all the active compounds listed on each quan report?		/			/
22. High point checked for saturation and point removed if saturated?		/			/
23. Elution order checked on isomeric pairs? - dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane - trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane - vinyl acetate / hexane - cis- and trans- isomers - ethyl benzene / m/p-xylene / o-xylene - n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene - tert-butylbenzene/p-cymene 1,2,4-trimethylbenzene/sec-butylbenzene 1,3-, 1,4-, and 1,2-dichlorobenzene 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		/			/
24. Is the second source analysis of a reference standard within limits? (65-135% R)		/		70309. OK	/
25. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	/				NA
26. Does the ICAL folder contain complete data in the following order: Data review checklist, a complete runlog, Entech report, BFB info, ICAL summary, curves, followed by [Quan reports, chromatograms, manual integrations], in increasing amount order, 2 nd source info.		/			/

Analyst: <i>[Signature]</i>	Date: 12/7/10	2nd Level Reviewer: <i>[Signature]</i>	Date: 12/8/10
Comments:		Comments:	

GCMS Analysis: AIR

Inst: MJ

Analyst: HUT Qtimes Batch: ICAE + BIKs.

Date: 12/6/10 ICAL Batch: J120610I Target Batch: J120610I IS #1 Area: 512063

Surr/IS ID & Vol.: 40MLV320 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☒ Daily[illegible]

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calculations.

Analyst:

Date: 2/6/10

MS027r16.DOC, 051210

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	202	12/6/2010	11:37
1	51	12/6/2010	12:04
1	101	12/6/2010	12:56
1	200	12/6/2010	13:49
2	81	12/6/2010	14:42
2	201	12/6/2010	15:33
3	200	12/6/2010	16:25
4	201	12/6/2010	17:19
5	201	12/6/2010	18:11
6	201	12/6/2010	19:04
7	201	12/6/2010	19:59
16	201	12/6/2010	20:53
15	200	12/6/2010	21:44
13	200	12/6/2010	22:36
16	0 39(Std)	12/6/2010	23:27
8	501	12/7/2010	0:18
8	500	12/7/2010	1:09
9	501	12/7/2010	2:01
10	500	12/7/2010	2:52
11	501	12/7/2010	3:44
12	501	12/7/2010	4:36
14	501	12/7/2010	5:28
14	500	12/7/2010	6:20
1	501	12/7/2010	7:12
2	500	12/7/2010	8:05

Data File: /chem/gcms/mj.i/J1206101.b/jbfb106.d

Date : 06-DEC-2010 11:37

Client ID: BFB

Instrument: mj.i

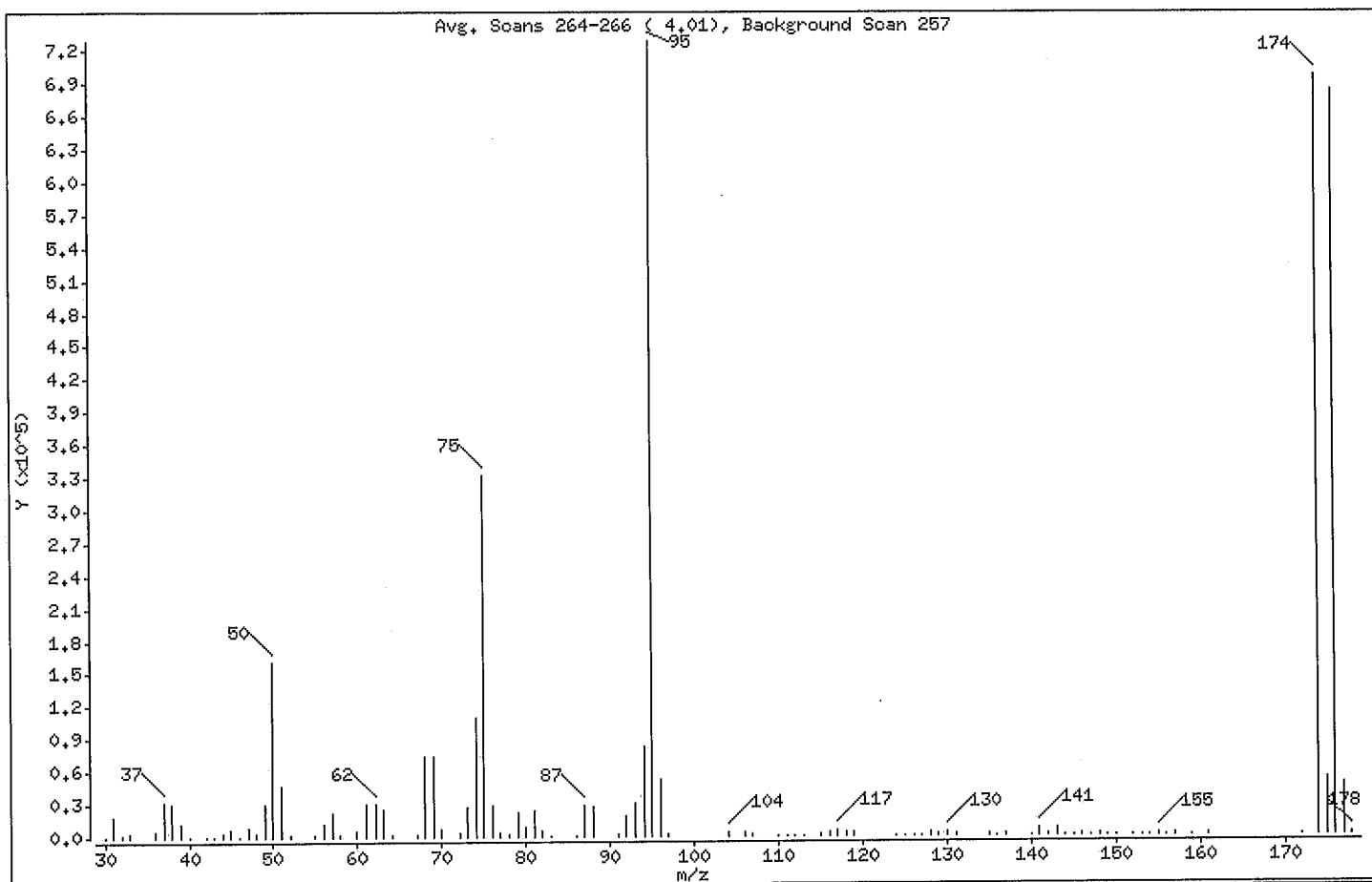
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.05
75	30.00 - 60.00% of mass 95	45.43
96	5.00 - 9.00% of mass 95	7.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	95.59
175	5.00 - 9.00% of mass 174	7.22 (7.56)
176	95.00 - 101.00% of mass 174	93.72 (98.05)
177	5.00 - 9.00% of mass 176	6.48 (6.91)

Data File: /chem/gcms/mj.i/J120610I.b/jbfb106.d

Date : 06-DEC-2010 11:37

Client ID: BFB

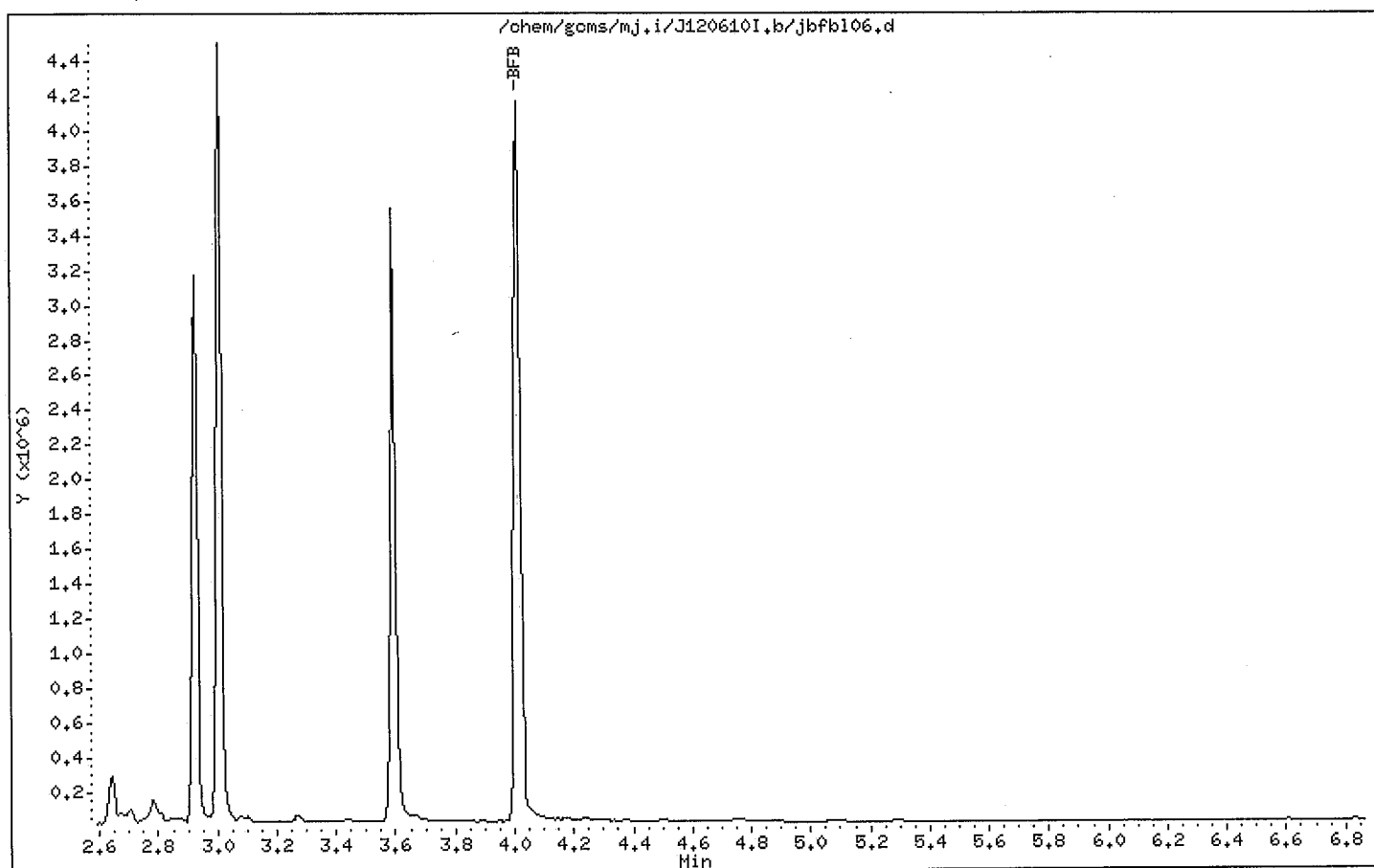
Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32



INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mj.i/J120610I.b/jic1061.d
 STD 2 = /var/chem/gcms/mj.i/J120610I.b/jic1062.d
 STD 3 = /var/chem/gcms/mj.i/J120610I.b/jic1063.d
 STD 4 = /var/chem/gcms/mj.i/J120610I.b/jic1064.d
 STD 5 = /var/chem/gcms/mj.i/J120610I.b/jic1065.d
 STD 6 = /var/chem/gcms/mj.i/J120610I.b/jic1066.d
 STD 7 = /var/chem/gcms/mj.i/J120610I.b/jic1067.d
 STD 8 = /var/chem/gcms/mj.i/J120610I.b/jic1068.d
 STD 9 = /var/chem/gcms/mj.i/J120610I.b/jic1069.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,4-Difluorobenzene	11.594	11.594	11.597	11.595	11.596	11.598	11.599	11.596	11.595	11.596
Chlorobenzene-d5	16.263	16.264	16.266	16.265	16.265	16.268	16.268	16.266	16.264	16.265
Bromochloromethane	9.426	9.426	9.423	9.427	9.428	9.430	9.431	9.428	9.427	9.427
4-Bromofluorobenzene	1.100	1.100	1.099	1.099	1.100	1.099	1.099	1.100	1.100	1.100
Benzyl Chloride	NA	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
Chlorodifluoromethane	0.413	0.414	0.414	0.414	0.413	0.415	0.414	0.414	0.413	0.414
1,4-Dichlorobenzene	NA	1.190	1.190	1.190	1.190	1.189	1.189	1.190	1.190	1.190
Dichlorodifluoromethane	0.421	0.421	0.422	0.421	0.421	0.422	0.422	0.421	0.421	0.421
Chloromethane	NA	0.444	0.443	0.443	0.443	0.444	0.444	0.443	0.442	0.443
1,2-Dichlorotetrafluoroethane	NA	0.444	0.443	0.444	0.443	0.444	0.444	0.444	0.443	0.444
Methanol	NA	NA	NA	NA	0.457	0.458	0.459	0.457	0.457	0.458
Vinyl Chloride	0.464	0.463	0.463	0.463	0.463	0.464	0.464	0.464	0.463	0.463
n-Butane	NA	NA	0.474	0.473	0.473	0.475	0.475	0.474	0.473	0.474
1,3-Butadiene	0.474	0.474	0.474	0.473	0.473	0.475	0.475	0.474	0.473	0.474
Bromomethane	0.511	0.512	0.512	0.512	0.512	0.513	0.513	0.512	0.512	0.512
Chloroethane	0.528	0.528	0.529	0.528	0.529	0.529	0.529	0.529	0.528	0.528
Vinyl Bromide	0.564	0.564	0.564	0.565	0.564	0.565	0.565	0.565	0.564	0.564
p-Cymene	NA	1.193	1.192	1.193	1.193	1.192	1.192	1.193	1.193	1.193
Trichlorofluoromethane	0.596	0.595	0.596	0.595	0.595	0.597	0.596	0.596	0.595	0.596
Acrolein	NA	NA	0.596	0.596	0.595	0.596	0.596	0.596	0.595	0.596
Acetonitrile	NA	NA	0.604	0.603	0.603	0.604	0.604	0.603	0.603	0.603
Acetone	NA	NA	NA	NA	0.608	0.609	0.609	0.608	0.608	0.608
Pentane	NA	NA	0.622	0.620	0.621	0.622	0.622	0.621	0.620	0.621
1,2-Dichlorobenzene	NA	1.211	1.211	1.211	1.211	1.211	1.211	1.211	1.211	1.211
Ethyl Ether	NA	NA	0.640	0.639	0.639	0.639	0.639	0.639	0.638	0.639
1,1-Dichloroethene	0.678	0.676	0.677	0.676	0.677	0.678	0.678	0.677	0.677	0.677
Acrylonitrile	NA	NA	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688
tert-butanol	NA	NA	0.686	0.684	0.683	0.684	0.684	0.684	0.683	0.684
1,1,2-Trichlorotrifluoroethane	0.698	0.697	0.697	0.697	0.697	0.698	0.697	0.697	0.696	0.697
Methylene Chloride	NA	NA	0.716	0.716	0.716	0.717	0.717	0.716	0.716	0.716
3-Chloropropene	NA	0.718	0.718	0.718	0.718	0.719	0.719	0.719	0.718	0.718
Carbon Disulfide	NA	NA	0.736	0.736	0.736	0.736	0.736	0.736	0.736	0.736
trans-1,2-Dichloroethene	0.808	0.808	0.808	0.808	0.807	0.808	0.808	0.808	0.808	0.808
Methyl-t-Butyl Ether	NA	0.821	0.822	0.820	0.820	0.820	0.820	0.819	0.818	0.820
1,1-Dichloroethane	0.854	0.855	0.854	0.854	0.854	0.855	0.855	0.854	0.854	0.854
Vinyl Acetate	NA	NA	0.865	0.864	0.864	0.865	0.865	0.865	0.864	0.864
Hexane	0.918	0.919	0.918	0.918	0.918	0.919	0.918	0.918	0.918	0.918

Evaluation Criteria

Internal Standard RT shift within 20 seconds of mean RT

Target compound RRT within 0.06 RRT of the RRT mean

Note: IS data is RT, SS and Target Compound Data is RRT.

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mj.i/J120610I.b/jic1061.d
 STD 2 = /var/chem/gcms/mj.i/J120610I.b/jic1062.d
 STD 3 = /var/chem/gcms/mj.i/J120610I.b/jic1063.d
 STD 4 = /var/chem/gcms/mj.i/J120610I.b/jic1064.d
 STD 5 = /var/chem/gcms/mj.i/J120610I.b/jic1065.d
 STD 6 = /var/chem/gcms/mj.i/J120610I.b/jic1066.d
 STD 7 = /var/chem/gcms/mj.i/J120610I.b/jic1067.d
 STD 8 = /var/chem/gcms/mj.i/J120610I.b/jic1068.d
 STD 9 = /var/chem/gcms/mj.i/J120610I.b/jic1069.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
2-Butanone	NA	NA	0.915	0.914	0.913	0.914	0.913	0.913	0.913	0.914
cis 1,2-Dichloroethene	0.963	0.964	0.964	0.963	0.963	0.963	0.963	0.963	0.963	0.963
n-butylbenzene	NA	1.219	1.219	1.219	1.219	1.218	1.218	1.219	1.219	1.219
Chloroform	1.001	1.000	1.001	1.000	1.000	1.000	1.001	1.001	1.000	1.000
Undecane	NA	NA	NA	1.236	1.236	1.236	1.236	1.236	1.236	1.236
1,1,1-Trichloroethane	1.113	1.113	1.114	1.112	1.112	1.113	1.113	1.113	1.113	1.113
1,2-Dichloroethane	0.914	0.914	0.914	0.914	0.913	0.914	0.914	0.914	0.914	0.914
Cyclohexane	NA	0.956	0.956	0.956	0.956	0.956	0.956	0.956	0.956	0.956
Benzene	0.956	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955
1-Butanol	NA	NA	0.948	0.947	0.947	0.947	0.946	0.946	0.946	0.947
Carbon Tetrachloride	0.958	0.958	0.957	0.958	0.958	0.958	0.958	0.958	0.957	0.958
2,2,4-trimethylpentane	1.018	1.019	1.019	1.019	1.018	1.018	1.019	1.018	1.018	1.018
Heptane	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Hexachlorobutadiene	NA	1.338	1.338	1.338	1.338	1.338	1.338	1.338	1.338	1.338
1,2-Dichloropropane	1.059	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058
Trichloroethene	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061
Dibromomethane	1.068	1.069	1.068	1.068	1.068	1.069	1.069	1.069	1.069	1.068
Bromodichloromethane	1.081	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
Napthalene	NA	1.326	1.326	1.326	1.326	1.326	1.326	1.326	1.326	1.326
1,2,4-Trichlorobenzene	NA	1.317	1.317	1.317	1.317	1.317	1.317	1.317	1.317	1.317
4-Methyl-2-pentanone	NA	1.158	1.159	1.158	1.158	1.158	1.158	1.158	1.158	1.158
cis-1,3-Dichloropropene	1.165	1.164	1.165	1.165	1.165	1.165	1.165	1.165	1.165	1.165
trans-1,3-Dichloropropene	0.872	0.872	0.872	0.872	0.872	0.872	0.872	0.872	0.872	0.872
Toluene	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880
1,1,2-Trichloroethane	0.884	0.884	0.884	0.884	0.884	0.884	0.884	0.884	0.884	0.884
2-Hexanone	NA	NA	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906
Octane	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921
Dibromochloromethane	0.928	0.928	0.928	0.928	0.928	0.928	0.928	0.928	0.928	0.928
1,2-Dibromoethane	0.946	0.945	0.946	0.945	0.945	0.945	0.945	0.945	0.946	0.945
Tetrachloroethene	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950
Chlorobenzene	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
Ethylbenzene	1.020	1.020	1.020	1.020	1.020	1.020	1.020	1.020	1.020	1.020
m&p-Xylene	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030
Nonane	NA	1.054	1.054	1.054	1.054	1.054	1.054	1.054	1.054	1.054
Bromoform	NA	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058
Styrene	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058
o-Xylene	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062

Evaluation Criteria

Internal Standard RT shift within 20 seconds of mean RT

Target compound RRT within 0.06 RRT of the RRT mean

Note: IS data is RT, SS and Target Compound Data is RRT.

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mj.i/J120610I.b/jic1061.d
 STD 2 = /var/chem/gcms/mj.i/J120610I.b/jic1062.d
 STD 3 = /var/chem/gcms/mj.i/J120610I.b/jic1063.d
 STD 4 = /var/chem/gcms/mj.i/J120610I.b/jic1064.d
 STD 5 = /var/chem/gcms/mj.i/J120610I.b/jic1065.d
 STD 6 = /var/chem/gcms/mj.i/J120610I.b/jic1066.d
 STD 7 = /var/chem/gcms/mj.i/J120610I.b/jic1067.d
 STD 8 = /var/chem/gcms/mj.i/J120610I.b/jic1068.d
 STD 9 = /var/chem/gcms/mj.i/J120610I.b/jic1069.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,1,2,2-Tetrachloroethane	1.082	1.081	1.081	1.082	1.081	1.081	1.081	1.081	1.081	1.081
1,2,3-Trichloropropane	1.092	1.092	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091
Cumene	1.098	1.097	1.097	1.097	1.097	1.097	1.097	1.097	1.097	1.097
n-Propylbenzene	1.129	1.129	1.129	1.129	1.129	1.129	1.129	1.129	1.129	1.129
2-chlorotoluene	1.132	1.132	1.132	1.132	1.132	1.132	1.132	1.132	1.132	1.132
4-Ethyltoluene	1.138	1.138	1.138	1.138	1.138	1.138	1.138	1.138	1.138	1.138
1,3,5-Trimethylbenzene	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142
Alpha-Methylstyrene	NA	NA	1.156	1.156	1.156	1.155	1.155	1.156	1.156	1.156
Decane	NA	1.158	1.158	1.158	1.158	1.158	1.158	1.158	1.158	1.158
Dodecane	NA	NA	NA	1.302	1.302	1.302	1.302	1.302	1.302	1.302
1,2,4-Trimethylbenzene	NA	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168
sec-butylbenzene	1.183	1.183	1.183	1.183	1.183	1.183	1.183	1.183	1.183	1.183
1,3-Dichlorobenzene	NA	1.184	1.184	1.185	1.184	1.184	1.184	1.184	1.184	1.184
Propene	NA	NA	0.415	0.415	0.415	0.416	0.416	0.416	0.415	0.415
2-methyl butane	NA	0.570	0.570	0.570	0.570	0.571	0.571	0.570	0.570	0.570
Isopropyl Alcohol	NA	NA	0.618	0.616	0.616	0.617	0.617	0.616	0.615	0.616
Ethyl acetate	NA	NA	0.982	0.981	0.980	0.981	0.981	0.981	0.980	0.981
Tetrahydrofuran	NA	1.045	1.045	1.044	1.043	1.043	1.043	1.042	1.042	1.043
1,4-dioxane	1.081	1.081	1.081	1.080	1.080	1.080	1.080	1.080	1.080	1.080
methyl methacrylate	NA	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086
tert-butylbenzene	1.167	1.167	1.167	1.167	1.167	1.167	1.167	1.167	1.167	1.167
1,2,3-trichlorobenzene	NA	1.343	1.343	1.343	1.343	1.342	1.342	1.343	1.343	1.343

Evaluation Criteria

Internal Standard RT shift within 20 seconds of mean RT

Target compound RRT within 0.06 RRT of the RRT mean

Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date : 07-Dec-2010 11:15

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 06-DEC-2010 12:56
 End Cal Date : 06-DEC-2010 23:27
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Cal Date : 07-Dec-2010 10:56 tajh
 Curve Type : Average

Calibration File Names:

Level 1: /var/chem/gcms/mj.i/J120610I.b/jic1061.d
 Level 2: /var/chem/gcms/mj.i/J120610I.b/jic1062.d
 Level 3: /var/chem/gcms/mj.i/J120610I.b/jic1063.d
 Level 4: /var/chem/gcms/mj.i/J120610I.b/jic1064.d
 Level 5: /var/chem/gcms/mj.i/J120610I.b/jic1065.d
 Level 6: /var/chem/gcms/mj.i/J120610I.b/j1pt106.d
 Level 7: /var/chem/gcms/mj.i/J120610I.b/jic1067.d
 Level 8: /var/chem/gcms/mj.i/J120610I.b/jic1068.d
 Level 9: /var/chem/gcms/mj.i/J120610I.b/jic1069.d

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
7 Chlorodifluoromethane	0.53266 0.40038	0.51705 0.39358	0.43180 0.37486	0.46387	0.47437	0.43242	0.44678	12.247
8 Dichlorodifluoromethane	4.45768 3.70909	4.11623 3.46854	3.98512 3.03477	4.43025	4.54011	4.02874	3.97450	12.561
9 Propene	++++ 1.47156	++++ 1.42912	1.68056 1.37986	1.74036	1.72049	1.58544	1.57249	9.353
10 Chloromethane	++++ 0.57345	0.55657 0.54234	0.66526 0.49775	0.76744	0.68858	0.61851	0.61374	14.488
11 1,2-Dichlorotetrafluoroethane	++++ 2.51565	2.63357 2.39512	2.61821 1.88007	2.97639	3.08791	2.65320	2.59502	14.205

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Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
12 Methanol	+++++	+++++	+++++	+++++	3.93362	2.81924		
	1.55320	0.99381	0.65032				1.99004	68.547
13 Vinyl Chloride	2.03325	1.72822	1.76785	1.90504	1.93049	1.74252		
	1.61572	1.51705	1.36809				1.73425	12.123
14 n-Butane	+++++	+++++	3.23902	3.42300	3.34558	2.97222		
	2.71352	2.43365	2.06038				2.88391	17.611
15 1,3-Butadiene	1.78948	1.70709	1.47972	1.57152	1.55785	1.42641		
	1.32061	1.24396	1.11590				1.46806	14.788
16 Bromomethane	1.11616	1.47415	1.50946	1.52072	1.45174	1.32311		
	1.27617	1.16701	1.08500				1.32483	13.052
17 Chloroethane	0.77643	0.71457	0.71822	0.76257	0.77206	0.70997		
	0.67820	0.64421	0.61162				0.70976	8.053
18 Vinyl Bromide	1.11493	1.09417	1.12245	1.24695	1.30077	1.19868		
	1.16150	1.13132	1.09649				1.16303	6.187
19 2-methyl butane	+++++	2.42030	2.22709	2.29506	2.33123	2.09390		
	1.98803	1.86890	1.75112				2.12195	11.182
20 Trichlorofluoromethane	3.42850	3.19690	3.11310	3.42453	3.48427	3.20862		
	3.02640	2.85633	2.65962				3.15536	8.776

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Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
21 Acrolein	+++++	+++++	0.24661	0.35001	0.32679	0.34150	0.31590	11.092
	0.31551	0.29772	0.33317					
22 Acetonitrile	+++++	+++++	0.29385	0.51693	0.44209	0.46362	0.42995	15.865
	0.41755	0.42616	0.44942					
23 Acetone	+++++	+++++	+++++	+++++	2.33164	1.98148	1.90215	16.353
	1.51089	1.70869	1.97807					
24 Pentane	+++++	+++++	0.18637	0.21031	0.21029	0.19447	0.19414	6.146
	0.19236	0.18349	0.18170					
25 Isopropyl alcohol	+++++	+++++	1.35092	1.71174	1.83250	1.55242	1.48127	14.916
	1.35132	1.27038	1.29961					
26 Ethyl Ether	+++++	+++++	1.17727	1.62367	1.50457	1.62252	1.45992	10.445
	1.46480	1.41502	1.41160					
27 1,1-Dichloroethene	1.21946	1.05836	1.12822	1.21663	1.27471	1.17677	1.15720	6.117
	1.14291	1.11966	1.07811					
28 tert-butanol	+++++	+++++	1.39615	1.76682	2.19015	1.68436	1.61439	18.229
	1.40934	1.42307	1.43082					
29 Acrylonitrile	+++++	+++++	0.50697	0.76744	0.71092	0.76903	0.71194	13.212
	0.71559	0.73833	0.77533					

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 Cal Date : 07-Dec-2010 10:56 tajh
 Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
30 1,1,2-Trichlorotrifluoroethan	2.62451	2.42392	2.47483	2.71542	2.80490	2.53756		
	2.43428	2.34327	2.22122				2.50888	7.303
31 Methylene Chloride	+++++	+++++	1.39263	1.30839	1.26624	1.11066		
	1.01926	0.98962	0.94592				1.14753	15.237
32 3-Chloropropene	+++++	1.32163	1.07046	1.16703	1.31900	1.21160		
	1.15424	1.10805	1.11315				1.18315	8.004
33 Carbon Disulfide	+++++	+++++	3.29017	3.62354	3.81631	3.44592		
	3.27762	3.14144	2.87153				3.35236	9.296
34 trans-1,2-Dichloroethene	1.14780	1.05405	1.07403	1.18822	1.23359	1.15466		
	1.12006	1.10886	1.07837				1.12885	5.160
35 Methyl-t-Butyl Ether	+++++	2.34672	1.51440	2.32391	2.31087	2.19605		
	1.98252	1.93815	1.94075				2.06917	13.735
36 1,1-Dichloroethane	2.66024	2.56382	2.53586	2.78016	2.61307	2.66302		
	2.49497	2.36978	2.22011				2.54456	6.610
37 Vinyl Acetate	+++++	+++++	1.62257	2.62979	2.55221	2.67966		
	2.51022	2.55657	2.63106				2.45458	15.132
38 Hexane	1.47079	1.43541	1.15555	1.27550	1.30714	1.22676		
	1.17886	1.15376	1.12439				1.25868	9.967

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Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
39 2-Butanone	+++++	+++++	0.28138	0.45639	0.46604	0.36630		
	0.33773	0.34074	0.38398				0.37608	17.634
40 cis 1,2-Dichloroethene	1.25662	1.11765	1.13184	1.21579	1.20154	1.21427		
	1.18271	1.17299	1.13066				1.18045	3.961
41 Ethyl acetate	+++++	+++++	1.57851	2.60119	2.65119	2.18552		
	1.97865	1.97162	1.97792				2.13494	17.855
42 Chloroform	2.57531	2.55286	2.56598	2.75721	2.56873	2.62286		
	2.45975	2.31895	2.13641				2.50645	7.262
43 Tetrahydrofuran	+++++	1.50810	0.95559	1.40912	1.41694	1.29217		
	1.15565	1.14856	1.17473				1.25761	14.496
44 1,1,1-Trichloroethane	2.45424	2.31806	2.36866	2.57866	2.53514	2.54382		
	2.43023	2.33486	2.15504				2.41319	5.581
45 1,2-Dichloroethane	0.37630	0.35181	0.33784	0.45870	0.40567	0.39017		
	0.38531	0.38655	0.37643				0.38542	8.875
46 Cyclohexane	+++++	0.11533	0.11203	0.15737	0.15444	0.12679		
	0.13314	0.14010	0.14458				0.13547	12.413
47 1-Butanol	+++++	+++++	0.07733	0.11755	0.13413	0.09117		
	0.09080	0.09198	0.10050				0.10049	19.106

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Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
48 Benzene	0.81120 0.75807	0.72424 0.76678	0.70438 0.75496	0.91234	0.75545	0.74682	0.77047	7.879
49 Carbon Tetrachloride	0.51791 0.45773	0.45147 0.44479	0.28813 0.60183	0.39910	0.24197	0.48825	0.43235	25.662
50 2,2,4-trimethylpentane	1.49849 1.47365	1.34290 1.44931	1.38997 1.35364	1.82472	1.63106	1.47267	1.49293	10.169
51 Heptane	0.27647 0.26196	0.26925 0.27027	0.22784 0.26936	0.30763	0.28330	0.25747	0.26928	7.911
52 1,2-Dichloropropane	0.33556 0.29093	0.30525 0.30279	0.26039 0.31451	0.36968	0.30662	0.28796	0.30819	10.002
53 Trichloroethene	0.32409 0.33718	0.27874 0.34514	0.28248 0.35287	0.37442	0.35212	0.32587	0.33032	9.694
54 Dibromomethane	0.30455 0.32043	0.26825 0.32393	0.27277 0.32232	0.37237	0.33868	0.30862	0.31466	10.133
55 Bromodichloromethane	0.49434 0.52210	0.45089 0.53108	0.43531 0.52129	0.63405	0.56287	0.51801	0.51888	11.315
56 1,4-dioxane	0.07039 0.06679	0.06210 0.06656	0.04760 0.05930	0.08467	0.09671	0.06443	0.06873	20.870

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Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000	8.000	16.000					
	Level 7	Level 8	Level 9					
57 Methyl Methacrylate	+++++	0.26799	0.16444	0.33819	0.32627	0.25031		
	0.26217	0.27804	0.30332				0.27384	19.747
58 4-Methyl-2-pentanone	+++++	0.72698	0.32008	0.67815	0.72510	0.46366		
	0.49449	0.51388	0.50287				0.55315	26.041
59 cis-1,3-Dichloropropene	0.35045	0.31416	0.27255	0.42533	0.37614	0.34216		
	0.35305	0.37417	0.37983				0.35420	12.236
60 trans-1,3-Dichloropropene	0.39205	0.33401	0.26403	0.41543	0.40485	0.36286		
	0.37914	0.38938	0.38864				0.37004	12.512
61 Toluene	1.00475	0.92850	0.64809	0.97123	0.82092	0.76559		
	0.79112	0.78700	0.76659				0.83153	13.769
62 1,1,2-Trichloroethane	0.29637	0.26822	0.23171	0.35185	0.31775	0.28153		
	0.28745	0.28896	0.28812				0.29022	11.291
63 2-Hexanone	+++++	+++++	0.15610	0.31250	0.36392	0.23611		
	0.25262	0.25212	0.25434				0.26110	24.752
64 Octane	0.25980	0.28048	0.21792	0.31451	0.29841	0.26155		
	0.26707	0.27092	0.27323				0.27154	9.903
65 Dibromochloromethane	0.45499	0.42012	0.35196	0.53050	0.50804	0.49351		
	0.52235	0.55648	0.55354				0.48794	13.863

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	4.000	8.000	16.000					
	Level 7	Level 8	Level 9					
66 1,2-Dibromoethane	0.47360	0.42522	0.38206	0.55482	0.50445	0.44809		
	0.46404	0.47070	0.45373				0.46408	10.389
67 Tetrachloroethene	0.34594	0.30031	0.32597	0.40081	0.36857	0.32661		
	0.33377	0.32963	0.31410				0.33841	8.923
68 Chlorobenzene	0.67753	0.60580	0.51115	0.73694	0.66098	0.56807		
	0.60631	0.61061	0.59042				0.61864	10.622
69 Ethylbenzene	1.00151	0.86067	0.61092	0.99455	0.96567	0.86529		
	0.89970	0.90655	0.87474				0.88662	13.162
70 m&p-Xylene	0.72887	0.65483	0.43982	0.75249	0.74374	0.66532		
	0.68666	0.68991	0.66311				0.66942	13.940
M 178 Xylene (total)	+++++	+++++	+++++	0.76414	0.74830	0.66532		
	0.68451	0.68845	0.66510				0.70263	6.104
71 Nonane	+++++	0.57518	0.39841	0.67546	0.68310	0.62845		
	0.63449	0.64754	0.66446				0.61338	15.198
72 Bromoform	+++++	0.28556	0.20797	0.34658	0.33965	0.37194		
	0.40605	0.47251	0.48446				0.36434	25.307
73 Styrene	0.40570	0.35363	0.23741	0.45192	0.50069	0.45773		
	0.51490	0.55328	0.56421				0.44883	23.233

Report Date : 07-Dec-2010 11:15

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 06-DEC-2010 12:56
 End Cal Date : 06-DEC-2010 23:27
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Cal Date : 07-Dec-2010 10:56 tajh
 Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000	8.000	16.000			.		
	Level 7	Level 8	Level 9					
74 o-Xylene	0.82439 0.68021	0.68049 0.68552	0.45023 0.66910	0.78742	0.75741	0.66531	0.68890	15.467
75 1,1,2,2-Tetrachloroethane	0.57645 0.52700	0.48739 0.54187	0.32562 0.54949	0.60627	0.65244	0.52342	0.53222	17.205
76 1,2,3-Trichloropropane	0.14045 0.11997	0.11770 0.12436	0.07593 0.13176	0.13779	0.14684	0.11664	0.12349	16.843
77 Cumene	0.98862 0.84896	0.85665 0.87554	0.53786 0.87204	0.96462	0.96269	0.84470	0.86130	15.498
78 n-Propylbenzene	0.23801 0.22837	0.19190 0.25053	0.11811 0.27939	0.24003	0.25549	0.21501	0.22409	20.906
79 2-chlorotoluene	0.24956 0.24568	0.21854 0.25812	0.16081 0.26892	0.25968	0.26285	0.23148	0.23952	14.003
80 4-Ethyltoluene	0.98711 0.76600	0.79492 0.80236	0.40187 0.82754	0.84896	0.94284	0.74714	0.79097	20.981
81 1,3,5-Trimethylbenzene	0.33046 0.31338	0.28018 0.34110	0.15486 0.37705	0.31942	0.38952	0.30808	0.31267	21.810
82 Alpha-Methylstyrene	+++++ 0.31703	+++++ 0.35290	0.11828 0.37981	0.27275	0.32967	0.28074	0.29303	29.269

Report Date : 07-Dec-2010 11:15

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 06-DEC-2010 12:56
 End Cal Date : 06-DEC-2010 23:27
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Cal Date : 07-Dec-2010 10:56 tajh
 Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
83 Decane	+++++	0.50022	0.30279	0.60974	0.70871	0.59979		
	0.61136	0.66381	0.69058				0.58588	22.442
84 1,2,4-Trimethylbenzene	+++++	0.54094	0.30775	0.65703	0.74464	0.59336		
	0.60186	0.63861	0.68140				0.59570	22.078
85 tert-butylbenzene	0.75498	0.64433	0.37214	0.74128	0.81023	0.66179		
	0.67012	0.73729	0.78869				0.68676	19.090
86 sec-butylbenzene	1.05221	0.88252	0.48620	0.97028	1.07962	0.88437		
	0.88779	0.93269	0.94923				0.90277	19.014
87 1,3-Dichlorobenzene	+++++	0.43011	0.28791	0.50616	0.54014	0.42712		
	0.46366	0.50094	0.52721				0.46041	17.673
88 Benzyl Chloride	+++++	0.46030	0.24229	0.59462	0.69945	0.50394		
	0.54200	0.59001	0.61708				0.53121	25.901
89 1,4-Dichlorobenzene	+++++	0.43490	0.28548	0.50155	0.53160	0.41784		
	0.45096	0.49229	0.50259				0.45215	17.164
90 p-Cymene	+++++	0.64247	0.33890	0.73591	0.83381	0.64346		
	0.65925	0.70668	0.72614				0.66083	21.870
91 1,2-Dichlorobenzene	+++++	0.39837	0.25097	0.44705	0.48068	0.37945		
	0.39771	0.42736	0.45382				0.40443	17.447

Report Date : 07-Dec-2010 11:15

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 06-DEC-2010 12:56
 End Cal Date : 06-DEC-2010 23:27
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Cal Date : 07-Dec-2010 10:56 tajh
 Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
92 n-butylbenzene	+++++	0.61658	0.35825	0.79715	0.87660	0.61484		
	0.64863	0.67840	0.70633				0.66210	23.067
93 Undecane	+++++	+++++	+++++	0.57581	0.71410	0.34523		
	0.37039	0.41720	0.56939				0.49869	28.920
94 Dodecane	+++++	+++++	+++++	0.49669	0.78829	0.36872		
	0.26998	0.29590	0.39663				0.43604	43.641
95 1,2,4-Trichlorobenzene	+++++	0.19270	0.15363	0.28996	0.40103	0.20079		
	0.17316	0.18328	0.28732				0.23523	35.714
96 Napthalene	+++++	0.42139	0.31633	0.67243	0.92925	0.44056		
	0.38879	0.39449	0.52555				0.51110	39.173
97 Hexachlorobutadiene	+++++	0.26389	0.15725	0.31471	0.39443	0.24849		
	0.20241	0.20257	0.31270				0.26206	29.250
98 1,2,3-trichlorobenzene	+++++	0.23833	0.18658	0.34145	0.47976	0.22154		
	0.15188	0.15101	0.22075				0.24891	44.632
99 ~ Thiophene	+++++	+++++	+++++	+++++	+++++	0.34756		
	+++++	+++++	+++++				0.34756	0.000
100 ~ 1,2,3- Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	0.20564		
	+++++	+++++	+++++				0.20564	0.000

Report Date : 07-Dec-2010 11:15

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 06-DEC-2010 12:56
 End Cal Date : 06-DEC-2010 23:27
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Cal Date : 07-Dec-2010 10:56 tajh
 Curve Type : Average

Compound	0.04000	0.08000	0.16000	0.40000	1.000	2.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	4.000	8.000	16.000					
	Level 7	Level 8	Level 9					
=====								
\$ 6 4-Bromofluorobenzene	0.67299	0.69010	0.69579	0.73732	0.70018	0.69570		
	0.71462	0.70524	0.69522				0.70079	2.530

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1061.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1061.d
 Lab Smp Id: ICAL1 Client Smp ID: STD 0.04
 Inj Date : 06-DEC-2010 12:56
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL1,,1,1,,STD 0.04
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 12:56 Cal File: jic1061.d
 Als bottle: 1 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: low.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	128	9.426	9.426	(1.000)	489806	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.594	11.594	(1.000)	2283039	4.00000	4.000	
* 3 Chlorobenzene-d5	117	16.263	16.263	(1.000)	1854093	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95	17.882	17.882	(1.100)	1247781	4.00000	3.841	
7 Chlorodifluoromethane	67	3.896	3.896	(0.413)	2609	0.04000	0.04769	
9 Propene	41	3.912	3.912	(0.415)	39947	0.04000	0.2074	
8 Dichlorodifluoromethane	85	3.971	3.971	(0.421)	21834	0.04000	0.04486	
11 1,2-Dichlorotetrafluoroethane	135	4.175	4.175	(0.443)	15188	0.04000	0.04780	
12 Methanol	31	4.304	4.304	(0.457)	344680	0.04000	1.414	
13 Vinyl Chloride	62	4.369	4.369	(0.464)	9959	0.04000	0.04690	
14 n-Butane	43	4.460	4.460	(0.473)	31891	0.04000	0.09031	
15 1,3-Butadiene	54	4.466	4.466	(0.474)	8765	0.04000	0.04876	
16 Bromomethane	94	4.821	4.821	(0.511)	5467	0.04000	0.03370	
17 Chloroethane	64	4.977	4.977	(0.528)	3803	0.04000	0.04376	
18 Vinyl Bromide	106	5.321	5.321	(0.565)	5461	0.04000	0.03834	

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1061.d

Report Date: 07-Dec-2010 11:18

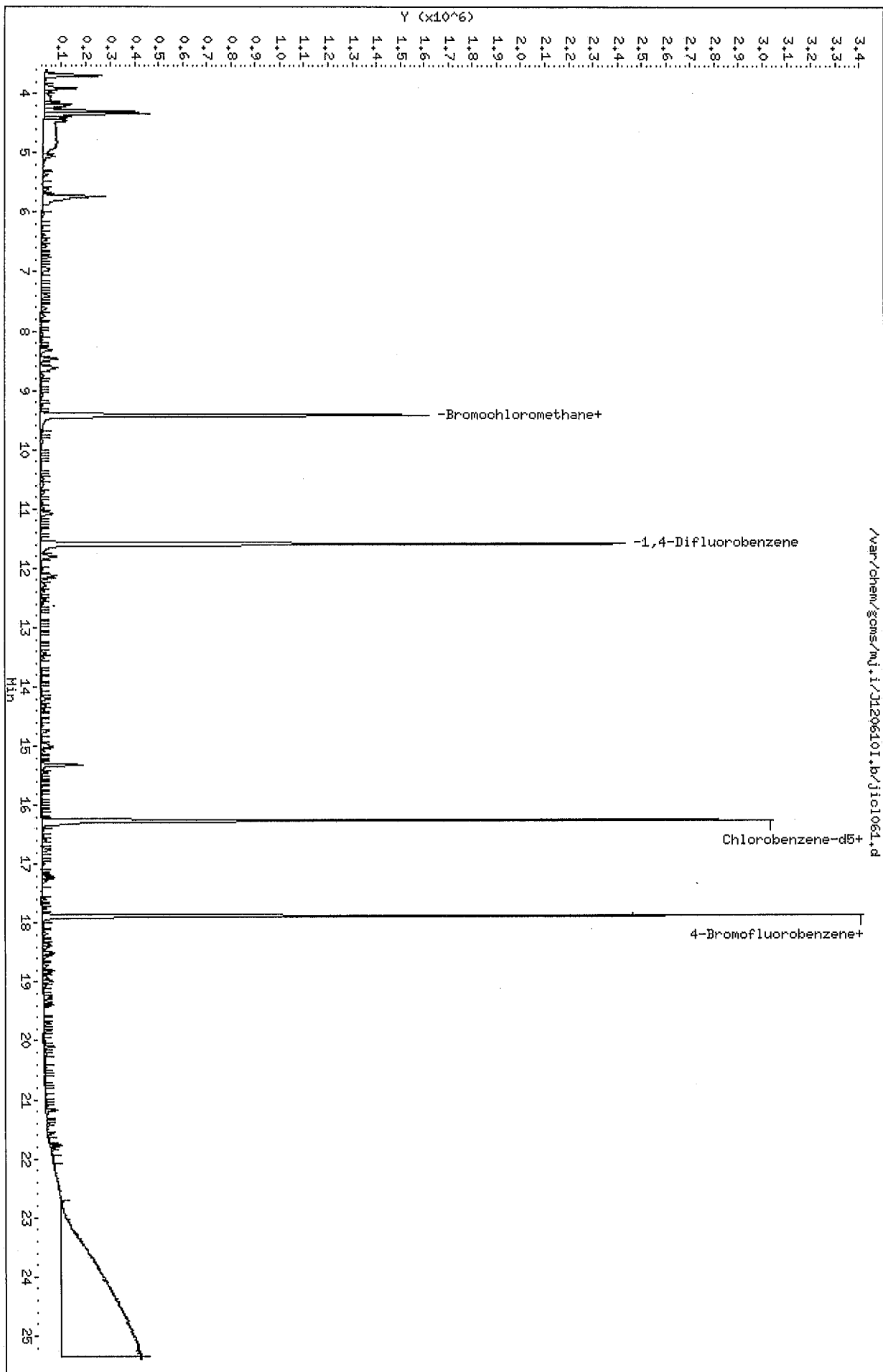
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
19 2-methyl butane	43	5.370	5.370	(0.570)	12666	0.04000	0.04875
20 Trichlorofluoromethane	101	5.617	5.617	(0.596)	16793	0.04000	0.04346
21 Acrolein	56	5.617	5.617	(0.596)	5901	0.04000	0.1525
23 Acetone	43	5.735	5.735	(0.608)	397196	0.04000	1.705
24 Pentane	72	5.848	5.848	(0.620)	1017	0.04000	0.04278
25 Isopropyl Alcohol	45	5.811	5.811	(0.616)	55854	0.04000	0.3079
26 Ethyl Ether	31	6.026	6.026	(0.639)	8427	0.04000	0.04714
27 1,1-Dichloroethene	96	6.386	6.386	(0.678)	5973	0.04000	0.04215
28 tert-butanol	59	6.462	6.462	(0.686)	29551	0.04000	0.1495
30 1,1,2-Trichlorotrifluoroethane	101	6.575	6.575	(0.698)	12855	0.04000	0.04184
31 Methylene Chloride	84	6.752	6.752	(0.716)	14359	0.04000	0.1022
32 3-Chloropropene	39	6.768	6.768	(0.718)	6915	0.04000	0.04773
33 Carbon Disulfide	76	6.935	6.935	(0.736)	19811	0.04000	0.04826
34 trans-1,2-Dichloroethene	96	7.613	7.613	(0.808)	5622	0.04000	0.04067
36 1,1-Dichloroethane	63	8.049	8.049	(0.854)	13030	0.04000	0.04182
38 Hexane	56	8.656	8.656	(0.918)	7204	0.04000	0.04674
39 2-Butanone	72	8.613	8.613	(0.914)	19469	0.04000	0.4228
40 cis 1,2-Dichloroethene	96	9.081	9.081	(0.963)	6155	0.04000	0.04258
42 Chloroform	83	9.436	9.436	(1.001)	12614	0.04000	0.04110
43 Tetrahydrofuran	42	9.851	9.851	(1.045)	8629	0.04000	0.05603
44 1,1,1-Trichloroethane	97	10.491	10.491	(1.113)	12021	0.04000	0.04068
45 1,2-Dichloroethane	62	10.593	10.593	(0.914)	8591	0.04000	0.03905
46 Cyclohexane	69	11.083	11.083	(0.956)	3035	0.04000	0.03925
48 Benzene	78	11.083	11.083	(0.956)	18520	0.04000	0.04211
47 1-Butanol	31	10.991	10.991	(0.948)	6208	0.04000	0.1082
49 Carbon Tetrachloride	117	11.104	11.104	(0.958)	11824	0.04000	0.04792
50 2,2,4-trimethylpentane	57	11.809	11.809	(1.019)	34211	0.04000	0.04015
51 Heptane	71	12.169	12.169	(1.050)	6312	0.04000	0.04107
52 1,2-Dichloropropane	63	12.277	12.277	(1.059)	7661	0.04000	0.04355
53 Trichloroethene	130	12.304	12.304	(1.061)	7399	0.04000	0.03924
54 Dibromomethane	93	12.384	12.384	(1.068)	6953	0.04000	0.03872
55 Bromodichloromethane	83	12.530	12.530	(1.081)	11286	0.04000	0.03811
56 1,4-dioxane	88	12.530	12.530	(1.081)	1607	0.04000	0.04097
57 methyl methacrylate	41	12.594	12.594	(1.086)	8824	0.04000	0.05646
58 4-Methyl-2-pentanone	43	13.428	13.428	(1.158)	22927	0.04000	0.07262
59 cis-1,3-Dichloropropene	75	13.503	13.503	(1.165)	8001	0.04000	0.03958
60 trans-1,3-Dichloropropene	75	14.181	14.181	(0.872)	7269	0.04000	0.04238
61 Toluene	91	14.316	14.316	(0.880)	18629	0.04000	0.04833
62 1,1,2-Trichloroethane	97	14.386	14.386	(0.885)	5495	0.04000	0.04085
63 2-Hexanone	58	14.746	14.746	(0.907)	10700	0.04000	0.08841
64 Octane	85	14.972	14.972	(0.921)	4817	0.04000	0.03827
65 Dibromochloromethane	129	15.085	15.085	(0.928)	8436	0.04000	0.03730
66 1,2-Dibromoethane	107	15.381	15.381	(0.946)	8781	0.04000	0.04082
67 Tetrachloroethene	129	15.451	15.451	(0.950)	6414	0.04000	0.04089
68 Chlorobenzene	112	16.311	16.311	(1.003)	12562	0.04000	0.04381
69 Ethylbenzene	91	16.591	16.591	(1.020)	18569	0.04000	0.04518
70 m&p-Xylene	91	16.747	16.747	(1.030)	27028	0.08000	0.08710

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1061.d
 Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
71 Nonane	57	17.145	17.145	(1.054)	11593	0.04000	0.04077
72 Bromoform	173	17.210	17.210	(1.058)	5776	0.04000	0.03420
73 Styrene	104	17.215	17.215	(1.059)	7522	0.04000	0.03616
74 o-Xylene	91	17.274	17.274	(1.062)	15285	0.04000	0.04787
75 1,1,2,2-Tetrachloroethane	83	17.592	17.592	(1.082)	10688	0.04000	0.04332
76 1,2,3-Trichloropropane	110	17.753	17.753	(1.092)	2604	0.04000	0.04549
77 Cumene	105	17.850	17.850	(1.098)	18330	0.04000	0.04591
78 n-Propylbenzene	120	18.361	18.361	(1.129)	4413	0.04000	0.04248
79 2-chlorotoluene	126	18.409	18.409	(1.132)	4627	0.04000	0.04168
80 4-Ethyltoluene	105	18.506	18.506	(1.138)	18302	0.04000	0.04992
81 1,3,5-Trimethylbenzene	120	18.571	18.571	(1.142)	6127	0.04000	0.04228
82 Alpha-Methylstyrene	118	18.797	18.797	(1.156)	4485	0.04000	0.03302
83 Decane	57	18.829	18.829	(1.158)	13371	0.04000	0.04924
85 tert-butylbenzene	119	18.985	18.985	(1.167)	13998	0.04000	0.04397
84 1,2,4-Trimethylbenzene	105	18.996	18.996	(1.168)	13237	0.04000	0.04794
86 sec-butylbenzene	105	19.243	19.243	(1.183)	19509	0.04000	0.04662
87 1,3-Dichlorobenzene	146	19.270	19.270	(1.185)	9911	0.04000	0.04644
88 Benzyl Chloride	91	19.335	19.335	(1.189)	12138	0.04000	0.04930
89 1,4-Dichlorobenzene	146	19.351	19.351	(1.190)	10291	0.04000	0.04910
90 p-Cymene	119	19.399	19.399	(1.193)	14912	0.04000	0.04868
91 1,2-Dichlorobenzene	146	19.706	19.706	(1.212)	9188	0.04000	0.04901
92 n-butylbenzene	91	19.819	19.819	(1.219)	15863	0.04000	0.05169
93 Undecane	57	20.104	20.104	(1.236)	13277	0.04000	0.05744
94 Dodecane	57	21.180	21.180	(1.302)	14353	0.04000	0.07101
95 1,2,4-Trichlorobenzene	180	21.422	21.422	(1.317)	7646	0.04000	0.07012
96 Napthalene	128	21.572	21.572	(1.326)	18324	0.04000	0.07735
97 Hexachlorobutadiene	225	21.772	21.772	(1.339)	8278	0.04000	0.06815
98 1,2,3-trichlorobenzene	180	21.841	21.841	(1.343)	9723	0.04000	0.08427

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1061.d
Date: 06-DEC-2010 12:56
Client ID: STD 0.04
Sample Info: IC6L1,,1,1,,STD 0.04
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1062.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1062.d
 Lab Smp Id: ICAL2 Client Smp ID: STD 0.08
 Inj Date : 06-DEC-2010 13:49
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL2,,1,2,,STD 0.08
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 13:49 Cal File: jic1062.d
 Als bottle: 1 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: low.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	128	9.426	9.426	(1.000)	511074	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.594	11.594	(1.000)	2576557	4.00000	4.000	
* 3 Chlorobenzene-d5	117	16.264	16.264	(1.000)	2127946	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95	17.883	17.883	(1.100)	1468488	4.00000	3.939	
7 Chlorodifluoromethane	67	3.902	3.902	(0.414)	5285	0.08000	0.09258	
9 Propene	41	3.918	3.918	(0.416)	74542	0.08000	0.3710	
8 Dichlorodifluoromethane	85	3.972	3.972	(0.421)	42074	0.08000	0.08285	
10 Chloromethane	52	4.181	4.181	(0.444)	5689	0.08000	0.07255	
11 1,2-Dichlorotetrafluoroethane	135	4.181	4.181	(0.444)	26919	0.08000	0.08119	
12 Methanol	31	4.305	4.305	(0.457)	681889	0.08000	2.682	
13 Vinyl Chloride	62	4.364	4.364	(0.463)	17665	0.08000	0.07972	
14 n-Butane	43	4.467	4.467	(0.474)	58598	0.08000	0.1590	
15 1,3-Butadiene	54	4.467	4.467	(0.474)	17449	0.08000	0.09302	
16 Bromomethane	94	4.827	4.827	(0.512)	15068	0.08000	0.08902	
17 Chloroethane	64	4.978	4.978	(0.528)	7304	0.08000	0.08054	

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1062.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.322	5.322	(0.565)	11184	0.08000	0.07526
19 2-methyl butane	43	5.376	5.376	(0.570)	24739	0.08000	0.09125
20 Trichlorofluoromethane	101	5.612	5.612	(0.595)	32677	0.08000	0.08105
21 Acrolein	56	5.612	5.612	(0.595)	13072	0.08000	0.3239
22 Acetonitrile	40	5.688	5.688	(0.603)	8952	0.08000	0.1630
23 Acetone	43	5.731	5.731	(0.608)	756057	0.08000	3.111
24 Pentane	72	5.854	5.854	(0.621)	2151	0.08000	0.08672
25 Isopropyl Alcohol	45	5.811	5.811	(0.616)	95789	0.08000	0.5061
26 Ethyl Ether	31	6.032	6.032	(0.640)	18507	0.08000	0.09922
27 1,1-Dichloroethene	96	6.376	6.376	(0.676)	10818	0.08000	0.07317
29 Acrylonitrile	53	6.478	6.478	(0.687)	9347	0.08000	0.1028
28 tert-butanol	59	6.452	6.452	(0.684)	47550	0.08000	0.2305
30 1,1,2-Trichlorotrifluoroethane	101	6.570	6.570	(0.697)	24776	0.08000	0.07729
31 Methylene Chloride	84	6.753	6.753	(0.716)	20997	0.08000	0.1432
32 3-Chloropropene	39	6.769	6.769	(0.718)	13509	0.08000	0.08936
33 Carbon Disulfide	76	6.936	6.936	(0.736)	38919	0.08000	0.09086
34 trans-1,2-Dichloroethene	96	7.614	7.614	(0.808)	10774	0.08000	0.07470
35 Methyl-t-Butyl Ether	73	7.737	7.737	(0.821)	23987	0.08000	0.09073
36 1,1-Dichloroethane	63	8.060	8.060	(0.855)	26206	0.08000	0.08060
37 Vinyl Acetate	43	8.151	8.151	(0.865)	26889	0.08000	0.08574
38 Hexane	56	8.662	8.662	(0.919)	14672	0.08000	0.09123
39 2-Butanone	72	8.614	8.614	(0.914)	36115	0.08000	0.7516
40 cis 1,2-Dichloroethene	96	9.087	9.087	(0.964)	11424	0.08000	0.07574
41 Ethyl acetate	43	9.254	9.254	(0.982)	24265	0.08000	0.08895
42 Chloroform	83	9.432	9.432	(1.001)	26094	0.08000	0.08148
43 Tetrahydrofuran	42	9.851	9.851	(1.045)	15415	0.08000	0.09593
44 1,1,1-Trichloroethane	97	10.492	10.492	(1.113)	23694	0.08000	0.07685
45 1,2-Dichloroethane	62	10.594	10.594	(0.914)	18129	0.08000	0.07302
46 Cyclohexane	69	11.089	11.089	(0.956)	5943	0.08000	0.06810
48 Benzene	78	11.078	11.078	(0.955)	37321	0.08000	0.07520
47 1-Butanol	31	10.981	10.981	(0.947)	9413	0.08000	0.1454
49 Carbon Tetrachloride	117	11.105	11.105	(0.958)	23265	0.08000	0.08354
50 2,2,4-trimethylpentane	57	11.815	11.815	(1.019)	69201	0.08000	0.07196
51 Heptane	71	12.175	12.175	(1.050)	13875	0.08000	0.07999
52 1,2-Dichloropropane	63	12.267	12.267	(1.058)	15730	0.08000	0.07924
53 Trichloroethene	130	12.304	12.304	(1.061)	14364	0.08000	0.06751
54 Dibromomethane	93	12.390	12.390	(1.069)	13823	0.08000	0.06820
55 Bromodichloromethane	83	12.525	12.525	(1.080)	23235	0.08000	0.06952
56 1,4-dioxane	88	12.536	12.536	(1.081)	3200	0.08000	0.07228
57 methyl methacrylate	41	12.595	12.595	(1.086)	13810	0.08000	0.07829
58 4-Methyl-2-pentanone	43	13.429	13.429	(1.158)	37462	0.08000	0.1051
59 cis-1,3-Dichloropropene	75	13.499	13.499	(1.164)	16189	0.08000	0.07096
60 trans-1,3-Dichloropropene	75	14.182	14.182	(0.872)	14215	0.08000	0.07221
61 Toluene	91	14.322	14.322	(0.881)	39516	0.08000	0.08933
62 1,1,2-Trichloroethane	97	14.386	14.386	(0.885)	11415	0.08000	0.07394
63 2-Hexanone	58	14.747	14.747	(0.907)	17179	0.08000	0.1237
64 Octane	85	14.978	14.978	(0.921)	11937	0.08000	0.08263

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1062.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
65 Dibromochloromethane	129	15.091	15.091	(0.928)	17880	0.08000	0.06888
66 1,2-Dibromoethane	107	15.376	15.376	(0.945)	18097	0.08000	0.07330
67 Tetrachloroethene	129	15.446	15.446	(0.950)	12781	0.08000	0.07099
68 Chlorobenzene	112	16.312	16.312	(1.003)	25782	0.08000	0.07834
69 Ethylbenzene	91	16.592	16.592	(1.020)	36629	0.08000	0.07766
70 m&p-Xylene	91	16.753	16.753	(1.030)	55738	0.16000	0.1565
71 Nonane	57	17.141	17.141	(1.054)	24479	0.08000	0.07502
72 Bromoform	173	17.210	17.210	(1.058)	12153	0.08000	0.06270
73 Styrene	104	17.210	17.210	(1.058)	15050	0.08000	0.06303
74 o-Xylene	91	17.275	17.275	(1.062)	28961	0.08000	0.07902
75 1,1,2,2-Tetrachloroethane	83	17.587	17.587	(1.081)	20743	0.08000	0.07326
76 1,2,3-Trichloropropane	110	17.754	17.754	(1.092)	5009	0.08000	0.07624
77 Cumene	105	17.845	17.845	(1.097)	36458	0.08000	0.07957
78 n-Propylbenzene	120	18.362	18.362	(1.129)	8167	0.08000	0.06851
79 2-chlorotoluene	126	18.410	18.410	(1.132)	9301	0.08000	0.07300
80 4-Ethyltoluene	105	18.507	18.507	(1.138)	33831	0.08000	0.08040
81 1,3,5-Trimethylbenzene	120	18.571	18.571	(1.142)	11924	0.08000	0.07168
82 Alpha-Methylstyrene	118	18.797	18.797	(1.156)	8670	0.08000	0.05562
83 Decane	57	18.835	18.835	(1.158)	21289	0.08000	0.06830
85 tert-butylbenzene	119	18.980	18.980	(1.167)	27422	0.08000	0.07506
84 1,2,4-Trimethylbenzene	105	18.996	18.996	(1.168)	23022	0.08000	0.07265
86 sec-butylbenzene	105	19.244	19.244	(1.183)	37559	0.08000	0.07820
87 1,3-Dichlorobenzene	146	19.265	19.265	(1.185)	18305	0.08000	0.07474
88 Benzyl Chloride	91	19.335	19.335	(1.189)	19590	0.08000	0.06932
89 1,4-Dichlorobenzene	146	19.352	19.352	(1.190)	18509	0.08000	0.07695
90 p-Cymene	119	19.400	19.400	(1.193)	27343	0.08000	0.07778
91 1,2-Dichlorobenzene	146	19.701	19.701	(1.211)	16954	0.08000	0.07880
92 n-butylbenzene	91	19.820	19.820	(1.219)	26241	0.08000	0.07450
93 Undecane	57	20.105	20.105	(1.236)	16919	0.08000	0.06377
94 Dodecane	57	21.181	21.181	(1.302)	13536	0.08000	0.05835
95 1,2,4-Trichlorobenzene	180	21.423	21.423	(1.317)	8201	0.08000	0.06553
96 Napthalene	128	21.568	21.568	(1.326)	17934	0.08000	0.06596
97 Hexachlorobutadiene	225	21.767	21.767	(1.338)	11231	0.08000	0.08056
98 1,2,3-trichlorobenzene	180	21.842	21.842	(1.343)	10143	0.08000	0.07660

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1062.d

Date: 06-DEC-2010 13:49

Client ID: STD 0.08

Sample Info: ICAL2,1,2,STD 0.08

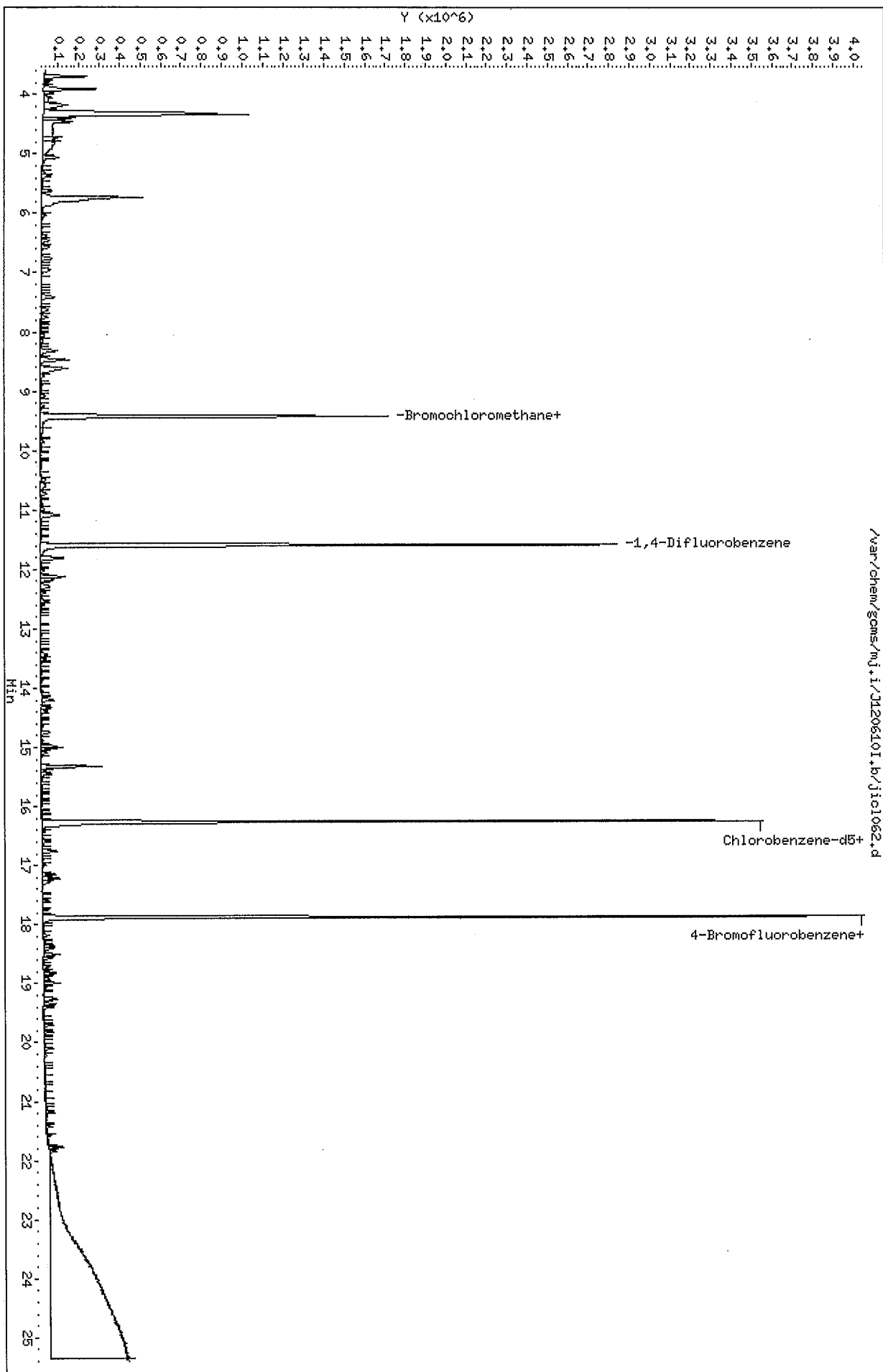
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Column phase: Rtx-5

Instrument: mj.i

Operator: 7126

Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1063.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1063.d
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 Inj Date : 06-DEC-2010 14:42
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL3,,1,3,,STD 0.16
 Misc Info : J120610I,TO15,1-all.sub,,,
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 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 14:42 Cal File: jic1063.d
 Als bottle: 2 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: low.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb (v/v))	(ppb (v/v))
* 1 Bromochloromethane	128	9.423	9.423	(1.000)	511227	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.597	11.597	(1.000)	2531660	4.00000	4.000	
* 3 Chlorobenzene-d5	117	16.266	16.266	(1.000)	2048474	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95	17.880	17.880	(1.099)	1425299	4.00000	3.971	
7 Chlorodifluoromethane	67	3.904	3.904	(0.414)	8830	0.16000	0.1546	
9 Propene	41	3.915	3.915	(0.415)	34366	0.16000	0.1710	
8 Dichlorodifluoromethane	85	3.974	3.974	(0.422)	81492	0.16000	0.1604	
10 Chloromethane	52	4.178	4.178	(0.443)	13604	0.16000	0.1734	
11 1,2-Dichlorotetrafluoroethane	135	4.178	4.178	(0.443)	53540	0.16000	0.1614	
13 Vinyl Chloride	62	4.367	4.367	(0.463)	36151	0.16000	0.1631	
14 n-Butane	43	4.469	4.469	(0.474)	66235	0.16000	0.1797	
15 1,3-Butadiene	54	4.464	4.464	(0.474)	30259	0.16000	0.1613	
16 Bromomethane	94	4.824	4.824	(0.512)	30867	0.16000	0.1823	
17 Chloroethane	64	4.985	4.985	(0.529)	14687	0.16000	0.1619	
18 Vinyl Bromide	106	5.319	5.319	(0.564)	22953	0.16000	0.1544	

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1063.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
19 2-methyl butane	43	5.373	5.373	(0.570)	45542	0.16000	0.1679
20 Trichlorofluoromethane	101	5.615	5.615	(0.596)	63660	0.16000	0.1578
21 Acrolein	56	5.620	5.620	(0.596)	5043	0.16000	0.1249
22 Acetonitrile	40	5.695	5.695	(0.604)	6009	0.16000	0.1094
24 Pentane	72	5.857	5.857	(0.622)	3811	0.16000	0.1536
25 Isopropyl Alcohol	45	5.825	5.825	(0.618)	27625	0.16000	0.1459
26 Ethyl Ether	31	6.029	6.029	(0.640)	24074	0.16000	0.1290
27 1,1-Dichloroethene	96	6.384	6.384	(0.677)	23071	0.16000	0.1560
29 Acrylonitrile	53	6.481	6.481	(0.688)	10367	0.16000	0.1139
28 tert-butanol	59	6.465	6.465	(0.686)	28550	0.16000	0.1384
30 1,1,2-Trichlorotrifluoroethane	101	6.567	6.567	(0.697)	50608	0.16000	0.1578
31 Methylene Chloride	84	6.750	6.750	(0.716)	28478	0.16000	0.1942
32 3-Chloropropene	39	6.771	6.771	(0.719)	21890	0.16000	0.1448
33 Carbon Disulfide	76	6.938	6.938	(0.736)	67281	0.16000	0.1570
34 trans-1,2-Dichloroethene	96	7.616	7.616	(0.808)	21963	0.16000	0.1522
35 Methyl-t-Butyl Ether	73	7.745	7.745	(0.822)	30968	0.16000	0.1171
36 1,1-Dichloroethane	63	8.052	8.052	(0.854)	51856	0.16000	0.1594
37 Vinyl Acetate	43	8.154	8.154	(0.865)	33180	0.16000	0.1058
38 Hexane	56	8.654	8.654	(0.918)	23630	0.16000	0.1469
39 2-Butanone	72	8.622	8.622	(0.915)	5754	0.16000	0.1197
40 cis 1,2-Dichloroethene	96	9.085	9.085	(0.964)	23145	0.16000	0.1534
41 Ethyl acetate	43	9.257	9.257	(0.982)	32279	0.16000	0.1183
42 Chloroform	83	9.434	9.434	(1.001)	52472	0.16000	0.1638
43 Tetrahydrofuran	42	9.848	9.848	(1.045)	19541	0.16000	0.1216
44 1,1,1-Trichloroethane	97	10.494	10.494	(1.114)	48437	0.16000	0.1570
45 1,2-Dichloroethane	62	10.596	10.596	(0.914)	34212	0.16000	0.1402
46 Cyclohexane	69	11.086	11.086	(0.956)	11345	0.16000	0.1323
48 Benzene	78	11.075	11.075	(0.955)	71330	0.16000	0.1463
47 1-Butanol	31	10.989	10.989	(0.948)	7831	0.16000	0.1231
49 Carbon Tetrachloride	117	11.102	11.102	(0.957)	29178	0.16000	0.1066
50 2,2,4-trimethylpentane	57	11.817	11.817	(1.019)	140757	0.16000	0.1490
51 Heptane	71	12.178	12.178	(1.050)	23073	0.16000	0.1354
52 1,2-Dichloropropane	63	12.269	12.269	(1.058)	26369	0.16000	0.1352
53 Trichloroethene	130	12.301	12.301	(1.061)	28606	0.16000	0.1368
54 Dibromomethane	93	12.387	12.387	(1.068)	27622	0.16000	0.1387
55 Bromodichloromethane	83	12.527	12.527	(1.080)	44082	0.16000	0.1342
56 1,4-dioxane	88	12.533	12.533	(1.081)	4820	0.16000	0.1108
57 methyl methacrylate	41	12.597	12.597	(1.086)	16652	0.16000	0.09608
58 4-Methyl-2-pentanone	43	13.436	13.436	(1.159)	32413	0.16000	0.09258
59 cis-1,3-Dichloropropene	75	13.506	13.506	(1.165)	27600	0.16000	0.1231
60 trans-1,3-Dichloropropene	75	14.184	14.184	(0.872)	21634	0.16000	0.1142
61 Toluene	91	14.319	14.319	(0.880)	53104	0.16000	0.1247
62 1,1,2-Trichloroethane	97	14.383	14.383	(0.884)	18986	0.16000	0.1277
63 2-Hexanone	58	14.744	14.744	(0.906)	12791	0.16000	0.09566
64 Octane	85	14.975	14.975	(0.921)	17856	0.16000	0.1284
65 Dibromochloromethane	129	15.088	15.088	(0.928)	28839	0.16000	0.1154
66 1,2-Dibromoethane	107	15.384	15.384	(0.946)	31306	0.16000	0.1317

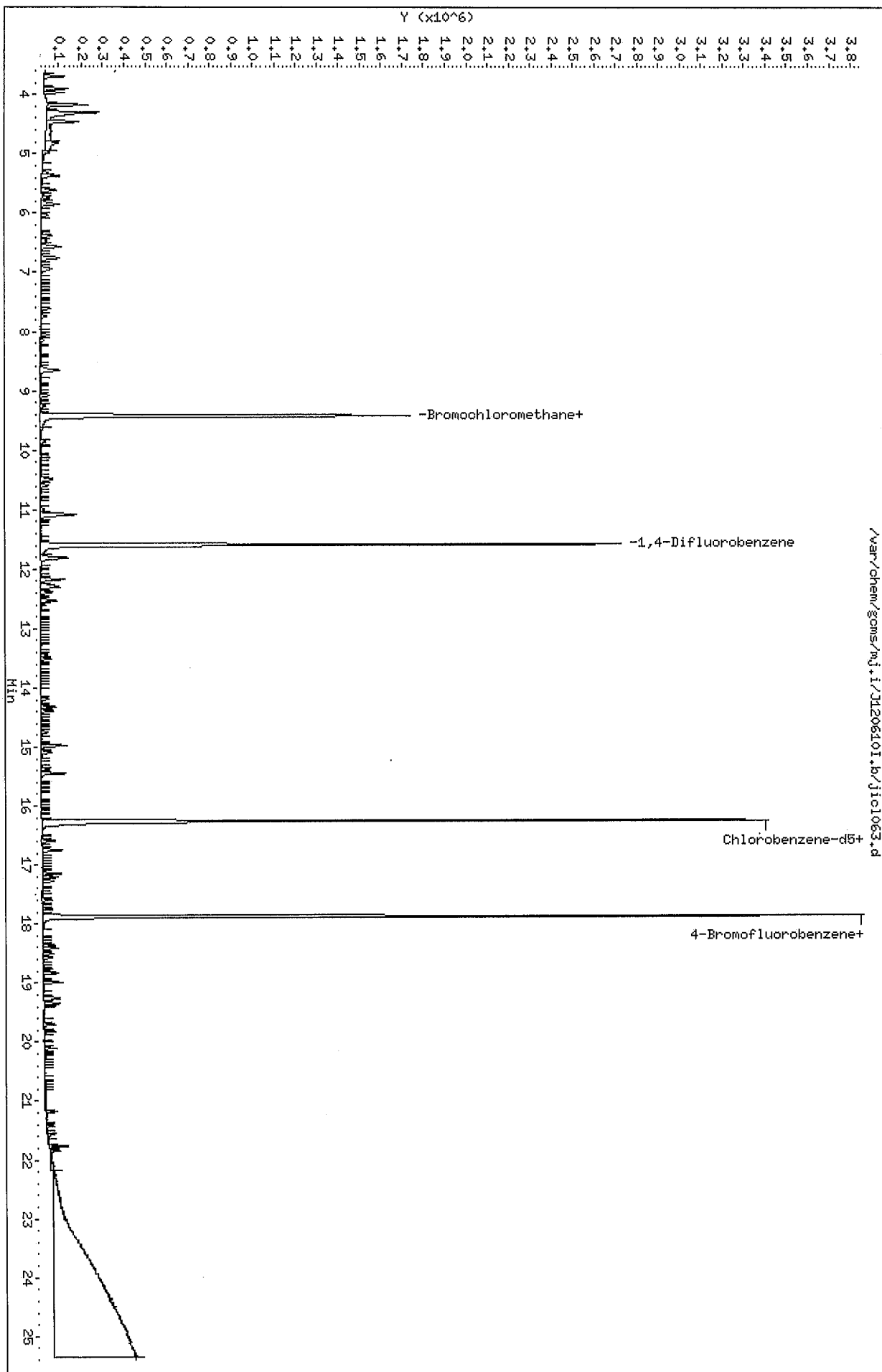
Data File: /var/chem/gcms/mj.i/J120610I.b/jic1063.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
67 Tetrachloroethene	129	15.448	15.448	(0.950)	26710	0.16000	0.1541
68 Chlorobenzene	112	16.314	16.314	(1.003)	41883	0.16000	0.1322
69 Ethylbenzene	91	16.589	16.589	(1.020)	50058	0.16000	0.1102
70 m&p-Xylene	91	16.750	16.750	(1.030)	72077	0.32000	0.2102
71 Nonane	57	17.143	17.143	(1.054)	32645	0.16000	0.1039
72 Bromoform	173	17.207	17.207	(1.058)	17041	0.16000	0.09133
73 Styrene	104	17.213	17.213	(1.058)	19453	0.16000	0.08463
74 o-Xylene	91	17.277	17.277	(1.062)	36891	0.16000	0.1046
75 1,1,2,2-Tetrachloroethane	83	17.589	17.589	(1.081)	26681	0.16000	0.09789
76 1,2,3-Trichloropropane	110	17.745	17.745	(1.091)	6222	0.16000	0.09838
77 Cumene	105	17.848	17.848	(1.097)	44072	0.16000	0.09992
78 n-Propylbenzene	120	18.364	18.364	(1.129)	9678	0.16000	0.08433
79 2-chlorotoluene	126	18.412	18.412	(1.132)	13177	0.16000	0.1074
80 4-Ethyltoluene	105	18.504	18.504	(1.138)	32929	0.16000	0.08129
81 1,3,5-Trimethylbenzene	120	18.574	18.574	(1.142)	12689	0.16000	0.07924
82 Alpha-Methylstyrene	118	18.800	18.800	(1.156)	9692	0.16000	0.06458
83 Decane	57	18.832	18.832	(1.158)	24810	0.16000	0.08269
85 tert-butylbenzene	119	18.988	18.988	(1.167)	30493	0.16000	0.08670
84 1,2,4-Trimethylbenzene	105	18.999	18.999	(1.168)	25217	0.16000	0.08266
86 sec-butylbenzene	105	19.246	19.246	(1.183)	39839	0.16000	0.08617
87 1,3-Dichlorobenzene	146	19.268	19.268	(1.185)	23591	0.16000	0.1000
88 Benzyl Chloride	91	19.338	19.338	(1.189)	19853	0.16000	0.07298
89 1,4-Dichlorobenzene	146	19.354	19.354	(1.190)	23392	0.16000	0.1010
90 p-Cymene	119	19.397	19.397	(1.192)	27769	0.16000	0.08205
91 1,2-Dichlorobenzene	146	19.704	19.704	(1.211)	20564	0.16000	0.09929
92 n-butylbenzene	91	19.822	19.822	(1.219)	29355	0.16000	0.08657
93 Undecane	57	20.107	20.107	(1.236)	22107	0.16000	0.08656
94 Dodecane	57	21.183	21.183	(1.302)	18581	0.16000	0.08321
95 1,2,4-Trichlorobenzene	180	21.425	21.425	(1.317)	12588	0.16000	0.1045
96 Napthalene	128	21.570	21.570	(1.326)	25920	0.16000	0.09903
97 Hexachlorobutadiene	225	21.769	21.769	(1.338)	12885	0.16000	0.09601
98 1,2,3-trichlorobenzene	180	21.839	21.839	(1.343)	15288	0.16000	0.1199

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1063.d
Date: 06-DEC-2010 14:42
Client ID: STD 0.16
Sample Info: ICAL3,,1,3,,STD 0.16
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1064.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1064.d
 Lab Smp Id: ICAL4 Client Smp ID: STD 0.4
 Inj Date : 06-DEC-2010 15:33
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL4,,1,4,,STD 0.4
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 15:33 Cal File: jic1064.d
 Als bottle: 2 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane		128	9.427	9.427	(1.000)	430468	4.00000	4.000
* 2 1,4-Difluorobenzene		114	11.595	11.595	(1.000)	1719127	4.00000	4.000
* 3 Chlorobenzene-d5		117	16.265	16.265	(1.000)	1484113	4.00000	4.000
\$ 6 4-Bromofluorobenzene		95	17.879	17.879	(1.099)	1094264	4.00000	4.208
7 Chlorodifluoromethane		67	3.903	3.903	(0.414)	19968	0.40000	0.4153
9 Propene		41	3.913	3.913	(0.415)	74917	0.40000	0.4427
8 Dichlorodifluoromethane		85	3.973	3.973	(0.421)	190708	0.40000	0.4459
10 Chloromethane		52	4.177	4.177	(0.443)	33036	0.40000	0.5002
11 1,2-Dichlorotetrafluoroethane		135	4.182	4.182	(0.444)	128124	0.40000	0.4588
12 Methanol		31	4.306	4.306	(0.457)	618454	0.40000	2.888
13 Vinyl Chloride		62	4.365	4.365	(0.463)	82006	0.40000	0.4394
14 n-Butane		43	4.462	4.462	(0.473)	147349	0.40000	0.4748
15 1,3-Butadiene		54	4.462	4.462	(0.473)	67649	0.40000	0.4282
16 Bromomethane		94	4.823	4.823	(0.512)	65462	0.40000	0.4591
17 Chloroethane		64	4.979	4.979	(0.528)	32826	0.40000	0.4298

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1064.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.323	5.323	(0.565)	53677	0.40000	0.4289
19 2-methyl butane	43	5.371	5.371	(0.570)	98795	0.40000	0.4326
20 Trichlorofluoromethane	101	5.613	5.613	(0.595)	147415	0.40000	0.4341
21 Acrolein	56	5.619	5.619	(0.596)	15067	0.40000	0.4432
22 Acetonitrile	40	5.689	5.689	(0.603)	22252	0.40000	0.4809
23 Acetone	43	5.737	5.737	(0.609)	177603	0.40000	0.8676
24 Pentane	72	5.850	5.850	(0.621)	9053	0.40000	0.4333
25 Isopropyl Alcohol	45	5.812	5.812	(0.617)	73685	0.40000	0.4622
26 Ethyl Ether	31	6.028	6.028	(0.639)	69894	0.40000	0.4449
27 1,1-Dichloroethene	96	6.377	6.377	(0.676)	52372	0.40000	0.4205
29 Acrylonitrile	53	6.485	6.485	(0.688)	33036	0.40000	0.4312
28 tert-butanol	59	6.453	6.453	(0.684)	76056	0.40000	0.4378
30 1,1,2-Trichlorotrifluoroethane	101	6.571	6.571	(0.697)	116890	0.40000	0.4329
31 Methylene Chloride	84	6.754	6.754	(0.716)	56322	0.40000	0.4561
32 3-Chloropropene	39	6.770	6.770	(0.718)	50237	0.40000	0.3946
33 Carbon Disulfide	76	6.937	6.937	(0.736)	155982	0.40000	0.4324
34 trans-1,2-Dichloroethene	96	7.615	7.615	(0.808)	51149	0.40000	0.4210
35 Methyl-t-Butyl Ether	73	7.733	7.733	(0.820)	100037	0.40000	0.4492
36 1,1-Dichloroethane	63	8.056	8.056	(0.854)	119677	0.40000	0.4370
37 Vinyl Acetate	43	8.147	8.147	(0.864)	113204	0.40000	0.4286
38 Hexane	56	8.653	8.653	(0.918)	54906	0.40000	0.4053
39 2-Butanone	72	8.615	8.615	(0.914)	19646	0.40000	0.4854
40 cis 1,2-Dichloroethene	96	9.078	9.078	(0.963)	52336	0.40000	0.4120
41 Ethyl acetate	43	9.250	9.250	(0.981)	111973	0.40000	0.4874
42 Chloroform	83	9.433	9.433	(1.001)	118689	0.40000	0.4400
43 Tetrahydrofuran	42	9.842	9.842	(1.044)	60658	0.40000	0.4482
44 1,1,1-Trichloroethane	97	10.487	10.487	(1.112)	111003	0.40000	0.4274
45 1,2-Dichloroethane	62	10.595	10.595	(0.914)	78856	0.40000	0.4760
46 Cyclohexane	69	11.084	11.084	(0.956)	27054	0.40000	0.4646
48 Benzene	78	11.079	11.079	(0.955)	156842	0.40000	0.4736
47 1-Butanol	31	10.982	10.982	(0.947)	20208	0.40000	0.4679
49 Carbon Tetrachloride	117	11.106	11.106	(0.958)	68610	0.40000	0.3692
50 2,2,4-trimethylpentane	57	11.816	11.816	(1.019)	313692	0.40000	0.4889
51 Heptane	71	12.176	12.176	(1.050)	52886	0.40000	0.4570
52 1,2-Dichloropropane	63	12.268	12.268	(1.058)	63553	0.40000	0.4798
53 Trichloroethene	130	12.300	12.300	(1.061)	64367	0.40000	0.4534
54 Dibromomethane	93	12.386	12.386	(1.068)	64015	0.40000	0.4734
55 Bromodichloromethane	83	12.526	12.526	(1.080)	109002	0.40000	0.4888
56 1,4-dioxane	88	12.526	12.526	(1.080)	14555	0.40000	0.4928
57 methyl methacrylate	41	12.596	12.596	(1.086)	58140	0.40000	0.4940
58 4-Methyl-2-pentanone	43	13.430	13.430	(1.158)	116583	0.40000	0.4904
59 cis-1,3-Dichloropropene	75	13.505	13.505	(1.165)	73120	0.40000	0.4803
60 trans-1,3-Dichloropropene	75	14.183	14.183	(0.872)	61655	0.40000	0.4491
61 Toluene	91	14.317	14.317	(0.880)	144141	0.40000	0.4672
62 1,1,2-Trichloroethane	97	14.387	14.387	(0.885)	52218	0.40000	0.4849
63 2-Hexanone	58	14.742	14.742	(0.906)	46379	0.40000	0.4787
64 Octane	85	14.974	14.974	(0.921)	46677	0.40000	0.4633

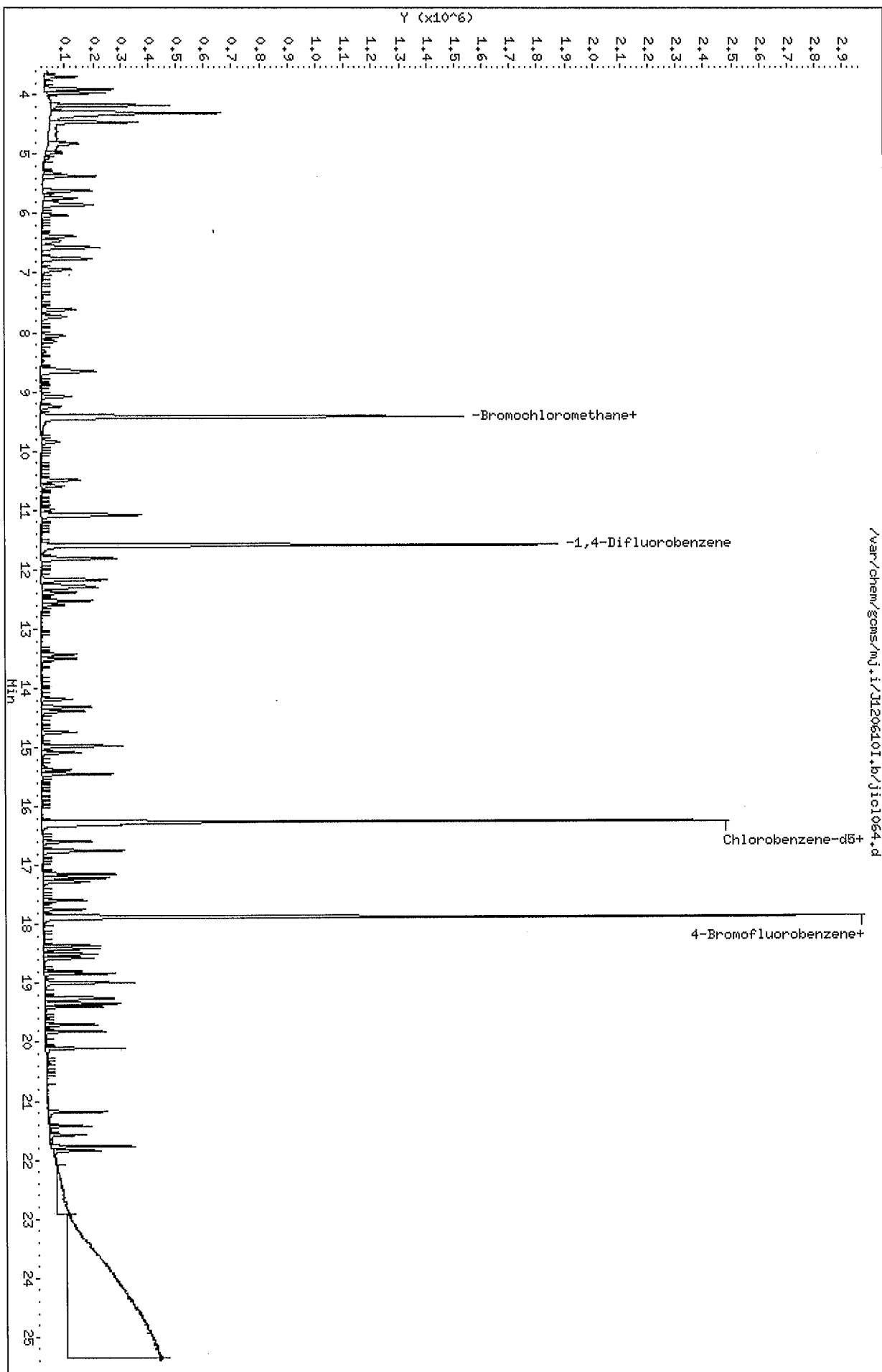
Data File: /var/chem/gcms/mj.i/J120610I.b/jic1064.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
65 Dibromochloromethane	129	15.092	15.092	(0.928)	78732	0.40000	0.4349
66 1,2-Dibromoethane	107	15.377	15.377	(0.945)	82342	0.40000	0.4782
67 Tetrachloroethene	129	15.447	15.447	(0.950)	59484	0.40000	0.4737
68 Chlorobenzene	112	16.313	16.313	(1.003)	109370	0.40000	0.4765
69 Ethylbenzene	91	16.593	16.593	(1.020)	147603	0.40000	0.4487
70 m&p-Xylene	91	16.749	16.749	(1.030)	223356	0.80000	0.8993
M 178 Xylene (total)	100				340218	1.20000	1.356
71 Nonane	57	17.147	17.147	(1.054)	100246	0.40000	0.4405
72 Bromoform	173	17.206	17.206	(1.058)	51437	0.40000	0.3805
73 Styrene	104	17.211	17.211	(1.058)	67070	0.40000	0.4028
74 o-Xylene	91	17.276	17.276	(1.062)	116862	0.40000	0.4572
75 1,1,2,2-Tetrachloroethane	83	17.593	17.593	(1.082)	89978	0.40000	0.4556
76 1,2,3-Trichloropropane	110	17.749	17.749	(1.091)	20449	0.40000	0.4463
77 Cumene	105	17.846	17.846	(1.097)	143161	0.40000	0.4480
78 n-Propylbenzene	120	18.363	18.363	(1.129)	35623	0.40000	0.4284
79 2-chlorotoluene	126	18.411	18.411	(1.132)	38540	0.40000	0.4337
80 4-Ethyltoluene	105	18.508	18.508	(1.138)	125995	0.40000	0.4293
81 1,3,5-Trimethylbenzene	120	18.573	18.573	(1.142)	47406	0.40000	0.4086
82 Alpha-Methylstyrene	118	18.798	18.798	(1.156)	40479	0.40000	0.3723
83 Decane	57	18.836	18.836	(1.158)	90492	0.40000	0.4163
85 tert-butylbenzene	119	18.987	18.987	(1.167)	110015	0.40000	0.4318
84 1,2,4-Trimethylbenzene	105	18.997	18.997	(1.168)	97510	0.40000	0.4412
86 sec-butylbenzene	105	19.245	19.245	(1.183)	144000	0.40000	0.4299
87 1,3-Dichlorobenzene	146	19.272	19.272	(1.185)	75120	0.40000	0.4398
88 Benzyl Chloride	91	19.336	19.336	(1.189)	88249	0.40000	0.4477
89 1,4-Dichlorobenzene	146	19.353	19.353	(1.190)	74436	0.40000	0.4437
90 p-Cymene	119	19.401	19.401	(1.193)	109218	0.40000	0.4454
91 1,2-Dichlorobenzene	146	19.702	19.702	(1.211)	66348	0.40000	0.4422
92 n-butylbenzene	91	19.821	19.821	(1.219)	118306	0.40000	0.4816
93 Undecane	57	20.106	20.106	(1.236)	85456	0.40000	0.4618
94 Dodecane	57	21.182	21.182	(1.302)	73715	0.40000	0.4556
95 1,2,4-Trichlorobenzene	180	21.424	21.424	(1.317)	43033	0.40000	0.4930
96 Napthalene	128	21.574	21.574	(1.326)	99796	0.40000	0.5263
97 Hexachlorobutadiene	225	21.768	21.768	(1.338)	46706	0.40000	0.4804
98 1,2,3-trichlorobenzene	180	21.843	21.843	(1.343)	50675	0.40000	0.5487

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1064.d
Date : 06-DEC-2010 15:33
Client ID: STD 0.4
Sample Info: ICAL4,1,4,,STD 0.4
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1065.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1065.d
 Lab Smp Id: ICAL5 Client Smp ID: STD 1.0
 Inj Date : 06-DEC-2010 16:25
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL5,,1,5,,STD 1.0
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 16:25 Cal File: jic1065.d
 Als bottle: 3 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

		QUANT SIG				AMOUNTS	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ON-COL
							(ppb (v/v)) (ppb (v/v))
* 1	Bromochloromethane	128	9.428	9.428	(1.000)	455362	4.00000 4.000
* 2	1,4-Difluorobenzene	114	11.596	11.596	(1.000)	1893135	4.00000 4.000
* 3	Chlorobenzene-d5	117	16.265	16.265	(1.000)	1594702	4.00000 4.000
\$ 6	4-Bromofluorobenzene	95	17.884	17.884	(1.100)	1116582	4.00000 3.996
7	Chlorodifluoromethane	67	3.898	3.898	(0.413)	54002	1.00000 1.062
9	Propene	41	3.914	3.914	(0.415)	195861	1.00000 1.094
8	Dichlorodifluoromethane	85	3.973	3.973	(0.421)	516848	1.00000 1.142
10	Chloromethane	52	4.177	4.177	(0.443)	78388	1.00000 1.122
11	1,2-Dichlorotetrafluoroethane	135	4.177	4.177	(0.443)	351529	1.00000 1.190
12	Methanol	31	4.307	4.307	(0.457)	447805	1.00000 1.977
13	Vinyl Chloride	62	4.366	4.366	(0.463)	219768	1.00000 1.113
14	n-Butane	43	4.463	4.463	(0.473)	380862	1.00000 1.160
15	1,3-Butadiene	54	4.463	4.463	(0.473)	177346	1.00000 1.061
16	Bromomethane	94	4.823	4.823	(0.512)	165267	1.00000 1.096
17	Chloroethane	64	4.984	4.984	(0.529)	87892	1.00000 1.088

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1065.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.318	5.318	(0.564)	148080	1.00000	1.118
19 2-methyl butane	43	5.372	5.372	(0.570)	265388	1.00000	1.099
20 Trichlorofluoromethane	101	5.614	5.614	(0.595)	396651	1.00000	1.104
21 Acrolein	56	5.614	5.614	(0.595)	37202	1.00000	1.034
22 Acetonitrile	40	5.684	5.684	(0.603)	50328	1.00000	1.028
23 Acetone	43	5.737	5.737	(0.609)	265435	1.00000	1.226
24 Pentane	72	5.856	5.856	(0.621)	23940	1.00000	1.083
25 Isopropyl Alcohol	45	5.807	5.807	(0.616)	208613	1.00000	1.237
26 Ethyl Ether	31	6.023	6.023	(0.639)	171281	1.00000	1.030
27 1,1-Dichloroethene	96	6.383	6.383	(0.677)	145114	1.00000	1.102
29 Acrylonitrile	53	6.485	6.485	(0.688)	80932	1.00000	0.9986
28 tert-butanol	59	6.442	6.442	(0.683)	249328	1.00000	1.357
30 1,1,2-Trichlorotrifluoroethane	101	6.571	6.571	(0.697)	319311	1.00000	1.118
31 Methylene Chloride	84	6.754	6.754	(0.716)	144149	1.00000	1.103
32 3-Chloropropene	39	6.770	6.770	(0.718)	150156	1.00000	1.115
33 Carbon Disulfide	76	6.937	6.937	(0.736)	434451	1.00000	1.138
34 trans-1,2-Dichloroethene	96	7.610	7.610	(0.807)	140433	1.00000	1.093
35 Methyl-t-Butyl Ether	73	7.728	7.728	(0.820)	263071	1.00000	1.117
36 1,1-Dichloroethane	63	8.056	8.056	(0.854)	297473	1.00000	1.027
37 Vinyl Acetate	43	8.148	8.148	(0.864)	290545	1.00000	1.040
38 Hexane	56	8.659	8.659	(0.918)	148805	1.00000	1.038
39 2-Butanone	72	8.610	8.610	(0.913)	53054	1.00000	1.239
40 cis 1,2-Dichloroethene	96	9.084	9.084	(0.963)	136784	1.00000	1.018
41 Ethyl acetate	43	9.245	9.245	(0.981)	301813	1.00000	1.242
42 Chloroform	83	9.433	9.433	(1.001)	292425	1.00000	1.025
43 Tetrahydrofuran	42	9.837	9.837	(1.043)	161305	1.00000	1.127
44 1,1,1-Trichloroethane	97	10.488	10.488	(1.112)	288602	1.00000	1.050
45 1,2-Dichloroethane	62	10.590	10.590	(0.913)	191999	1.00000	1.052
46 Cyclohexane	69	11.085	11.085	(0.956)	73092	1.00000	1.140
48 Benzene	78	11.079	11.079	(0.955)	357540	1.00000	0.9805
47 1-Butanol	31	10.977	10.977	(0.947)	63481	1.00000	1.335
49 Carbon Tetrachloride	117	11.106	11.106	(0.958)	114520	1.00000	0.5596
50 2,2,4-trimethylpentane	57	11.811	11.811	(1.019)	771955	1.00000	1.092
51 Heptane	71	12.171	12.171	(1.050)	134081	1.00000	1.052
52 1,2-Dichloropropane	63	12.268	12.268	(1.058)	145120	1.00000	0.9949
53 Trichloroethene	130	12.300	12.300	(1.061)	166655	1.00000	1.066
54 Dibromomethane	93	12.387	12.387	(1.068)	160290	1.00000	1.076
55 Bromodichloromethane	83	12.526	12.526	(1.080)	266395	1.00000	1.085
56 1,4-dioxane	88	12.526	12.526	(1.080)	45772	1.00000	1.407
57 methyl methacrylate	41	12.591	12.591	(1.086)	154417	1.00000	1.191
58 4-Methyl-2-pentanone	43	13.425	13.425	(1.158)	343177	1.00000	1.311
59 cis-1,3-Dichloropropene	75	13.505	13.505	(1.165)	178021	1.00000	1.062
60 trans-1,3-Dichloropropene	75	14.183	14.183	(0.872)	161402	1.00000	1.094
61 Toluene	91	14.318	14.318	(0.880)	327282	1.00000	0.9872
62 1,1,2-Trichloroethane	97	14.388	14.388	(0.885)	126680	1.00000	1.095
63 2-Hexanone	58	14.743	14.743	(0.906)	145086	1.00000	1.394
64 Octane	85	14.974	14.974	(0.921)	118968	1.00000	1.099

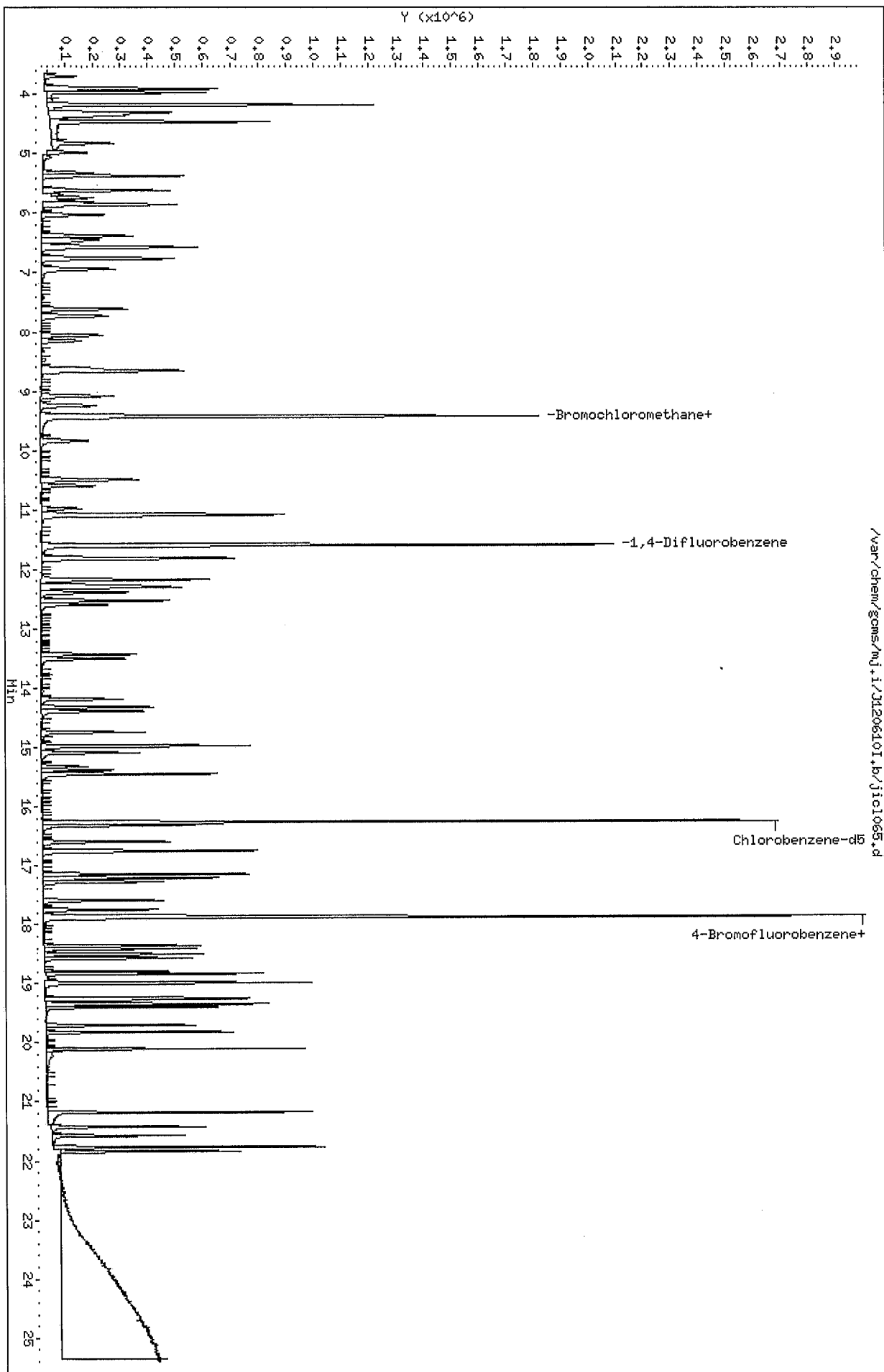
Data File: /var/chem/gcms/mj.i/J120610I.b/jic1065.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
65 Dibromochloromethane	129	15.087	15.087	(0.928)	202543	1.00000	1.041
66 1,2-Dibromoethane	107	15.377	15.377	(0.945)	201111	1.00000	1.087
67 Tetrachloroethene	129	15.447	15.447	(0.950)	146938	1.00000	1.089
68 Chlorobenzene	112	16.314	16.314	(1.003)	263517	1.00000	1.068
69 Ethylbenzene	91	16.593	16.593	(1.020)	384987	1.00000	1.089
70 m&p-Xylene	91	16.749	16.749	(1.030)	593022	2.00000	2.222
M 178 Xylene (total)	100				894982	3.00000	3.322
71 Nonane	57	17.147	17.147	(1.054)	272335	1.00000	1.114
72 Bromoform	173	17.212	17.212	(1.058)	135409	1.00000	0.9322
73 Styrene	104	17.212	17.212	(1.058)	199612	1.00000	1.116
74 o-Xylene	91	17.276	17.276	(1.062)	301960	1.00000	1.099
75 1,1,2,2-Tetrachloroethane	83	17.588	17.588	(1.081)	260110	1.00000	1.226
76 1,2,3-Trichloropropane	110	17.750	17.750	(1.091)	58543	1.00000	1.189
77 Cumene	105	17.847	17.847	(1.097)	383802	1.00000	1.118
78 n-Propylbenzene	120	18.363	18.363	(1.129)	101857	1.00000	1.140
79 2-chlorotoluene	126	18.412	18.412	(1.132)	104790	1.00000	1.097
80 4-Ethyltoluene	105	18.503	18.503	(1.138)	375886	1.00000	1.192
81 1,3,5-Trimethylbenzene	120	18.573	18.573	(1.142)	155292	1.00000	1.246
82 Alpha-Methylstyrene	118	18.799	18.799	(1.156)	131432	1.00000	1.125
83 Decane	57	18.837	18.837	(1.158)	282547	1.00000	1.210
85 tert-butylbenzene	119	18.987	18.987	(1.167)	323019	1.00000	1.180
84 1,2,4-Trimethylbenzene	105	18.998	18.998	(1.168)	296869	1.00000	1.250
86 sec-butylbenzene	105	19.245	19.245	(1.183)	430419	1.00000	1.196
87 1,3-Dichlorobenzene	146	19.267	19.267	(1.185)	215340	1.00000	1.173
88 Benzyl Chloride	91	19.337	19.337	(1.189)	278853	1.00000	1.317
89 1,4-Dichlorobenzene	146	19.353	19.353	(1.190)	211937	1.00000	1.176
90 p-Cymene	119	19.401	19.401	(1.193)	332419	1.00000	1.262
91 1,2-Dichlorobenzene	146	19.703	19.703	(1.211)	191637	1.00000	1.188
92 n-butylbenzene	91	19.821	19.821	(1.219)	349477	1.00000	1.324
93 Undecane	57	20.106	20.106	(1.236)	284696	1.00000	1.432
94 Dodecane	57	21.182	21.182	(1.302)	314271	1.00000	1.808
95 1,2,4-Trichlorobenzene	180	21.424	21.424	(1.317)	159881	1.00000	1.705
96 Napthalene	128	21.575	21.575	(1.326)	370468	1.00000	1.818
97 Hexachlorobutadiene	225	21.768	21.768	(1.338)	157251	1.00000	1.505
98 1,2,3-trichlorobenzene	180	21.844	21.844	(1.343)	191268	1.00000	1.927

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1065.d
Date: 06-DEC-2010 16:25
Client ID: STD 1.0
Sample Info: ICAL5,,4,5,,STD 1.0
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1066.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1066.d
 Lab Smp Id: ICAL6 Client Smp ID: STD 2.0
 Inj Date : 06-DEC-2010 17:19
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL6,,1,6,,STD 2.0
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 23:27 Cal File: j1pt106.d
 Als bottle: 4 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

		QUANT SIG				AMOUNTS	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	128	9.430	9.430	(1.000)	512063	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.598	11.598	(1.000)	2445729	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.268	16.268	(1.000)	2037986	4.00000	4.000
\$ 6 4-Bromofluorobenzene	95	17.881	17.881	(1.099)	1417824	4.00000	3.971
7 Chlorodifluoromethane	67	3.911	3.911	(0.415)	110713	2.00000	1.936
9 Propene	41	3.927	3.927	(0.416)	405923	2.00000	2.016
8 Dichlorodifluoromethane	85	3.981	3.981	(0.422)	1031485	2.00000	2.027
10 Chloromethane	52	4.191	4.191	(0.444)	158359	2.00000	2.016
11 1,2-Dichlorotetrafluoroethane	135	4.191	4.191	(0.444)	679304	2.00000	2.045
12 Methanol	31	4.320	4.320	(0.458)	721813	2.00000	2.833
13 Vinyl Chloride	62	4.379	4.379	(0.464)	446139	2.00000	2.010
14 n-Butane	43	4.476	4.476	(0.475)	760982	2.00000	2.061
15 1,3-Butadiene	54	4.476	4.476	(0.475)	365207	2.00000	1.943
16 Bromomethane	94	4.836	4.836	(0.513)	338757	2.00000	1.997
17 Chloroethane	64	4.992	4.992	(0.529)	181774	2.00000	2.000

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1066.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.326	5.326	(0.565)	306899	2.00000	2.061
19 2-methyl butane	43	5.385	5.385	(0.571)	536105	2.00000	1.974
20 Trichlorofluoromethane	101	5.627	5.627	(0.597)	821507	2.00000	2.034
21 Acrolein	56	5.622	5.622	(0.596)	87434	2.00000	2.162
22 Acetonitrile	40	5.691	5.691	(0.604)	118701	2.00000	2.157
23 Acetone	43	5.745	5.745	(0.609)	507322	2.00000	2.083
24 Pentane	72	5.864	5.864	(0.622)	49790	2.00000	2.003
25 Isopropyl Alcohol	45	5.815	5.815	(0.617)	397468	2.00000	2.096
26 Ethyl Ether	31	6.030	6.030	(0.639)	415417	2.00000	2.223
27 1,1-Dichloroethene	96	6.391	6.391	(0.678)	301289	2.00000	2.034
29 Acrylonitrile	53	6.493	6.493	(0.689)	196896	2.00000	2.160
28 tert-butanol	59	6.450	6.450	(0.684)	431250	2.00000	2.087
30 1,1,2-Trichlorotrifluoroethane	101	6.579	6.579	(0.698)	649695	2.00000	2.023
31 Methylene Chloride	84	6.762	6.762	(0.717)	284364	2.00000	1.936
32 3-Chloropropene	39	6.778	6.778	(0.719)	310207	2.00000	2.048
33 Carbon Disulfide	76	6.945	6.945	(0.736)	882265	2.00000	2.056
34 trans-1,2-Dichloroethene	96	7.623	7.623	(0.808)	295630	2.00000	2.046
35 Methyl-t-Butyl Ether	73	7.730	7.730	(0.820)	562257	2.00000	2.123
36 1,1-Dichloroethane	63	8.064	8.064	(0.855)	681816	2.00000	2.093
37 Vinyl Acetate	43	8.155	8.155	(0.865)	686078	2.00000	2.183
38 Hexane	56	8.666	8.666	(0.919)	314090	2.00000	1.949
39 2-Butanone	72	8.618	8.618	(0.914)	93785	2.00000	1.948
40 cis 1,2-Dichloroethene	96	9.086	9.086	(0.963)	310892	2.00000	2.057
41 Ethyl acetate	43	9.253	9.253	(0.981)	559563	2.00000	2.047
42 Chloroform	83	9.436	9.436	(1.001)	671536	2.00000	2.093
43 Tetrahydrofuran	42	9.834	9.834	(1.043)	330836	2.00000	2.055
44 1,1,1-Trichloroethane	97	10.495	10.495	(1.113)	651299	2.00000	2.108
45 1,2-Dichloroethane	62	10.598	10.598	(0.914)	477131	2.00000	2.025
46 Cyclohexane	69	11.087	11.087	(0.956)	155052	2.00000	1.872
48 Benzene	78	11.082	11.082	(0.955)	913260	2.00000	1.939
47 1-Butanol	31	10.985	10.985	(0.947)	111492	2.00000	1.814
49 Carbon Tetrachloride	117	11.109	11.109	(0.958)	597064	2.00000	2.258
50 2,2,4-trimethylpentane	57	11.813	11.813	(1.019)	1800879	2.00000	1.973
51 Heptane	71	12.174	12.174	(1.050)	314848	2.00000	1.912
52 1,2-Dichloropropane	63	12.271	12.271	(1.058)	352139	2.00000	1.869
53 Trichloroethene	130	12.308	12.308	(1.061)	398492	2.00000	1.973
54 Dibromomethane	93	12.394	12.394	(1.069)	377406	2.00000	1.962
55 Bromodichloromethane	83	12.529	12.529	(1.080)	633462	2.00000	1.997
56 1,4-dioxane	88	12.523	12.523	(1.080)	78792	2.00000	1.875
57 methyl methacrylate	41	12.593	12.593	(1.086)	306100	2.00000	1.828
58 4-Methyl-2-pentanone	43	13.427	13.427	(1.158)	566992	2.00000	1.676
59 cis-1,3-Dichloropropene	75	13.508	13.508	(1.165)	418410	2.00000	1.932
60 trans-1,3-Dichloropropene	75	14.186	14.186	(0.872)	369755	2.00000	1.961
61 Toluene	91	14.320	14.320	(0.880)	780135	2.00000	1.841
62 1,1,2-Trichloroethane	97	14.390	14.390	(0.885)	286881	2.00000	1.940
63 2-Hexanone	58	14.740	14.740	(0.906)	240597	2.00000	1.808
64 Octane	85	14.976	14.976	(0.921)	266513	2.00000	1.926

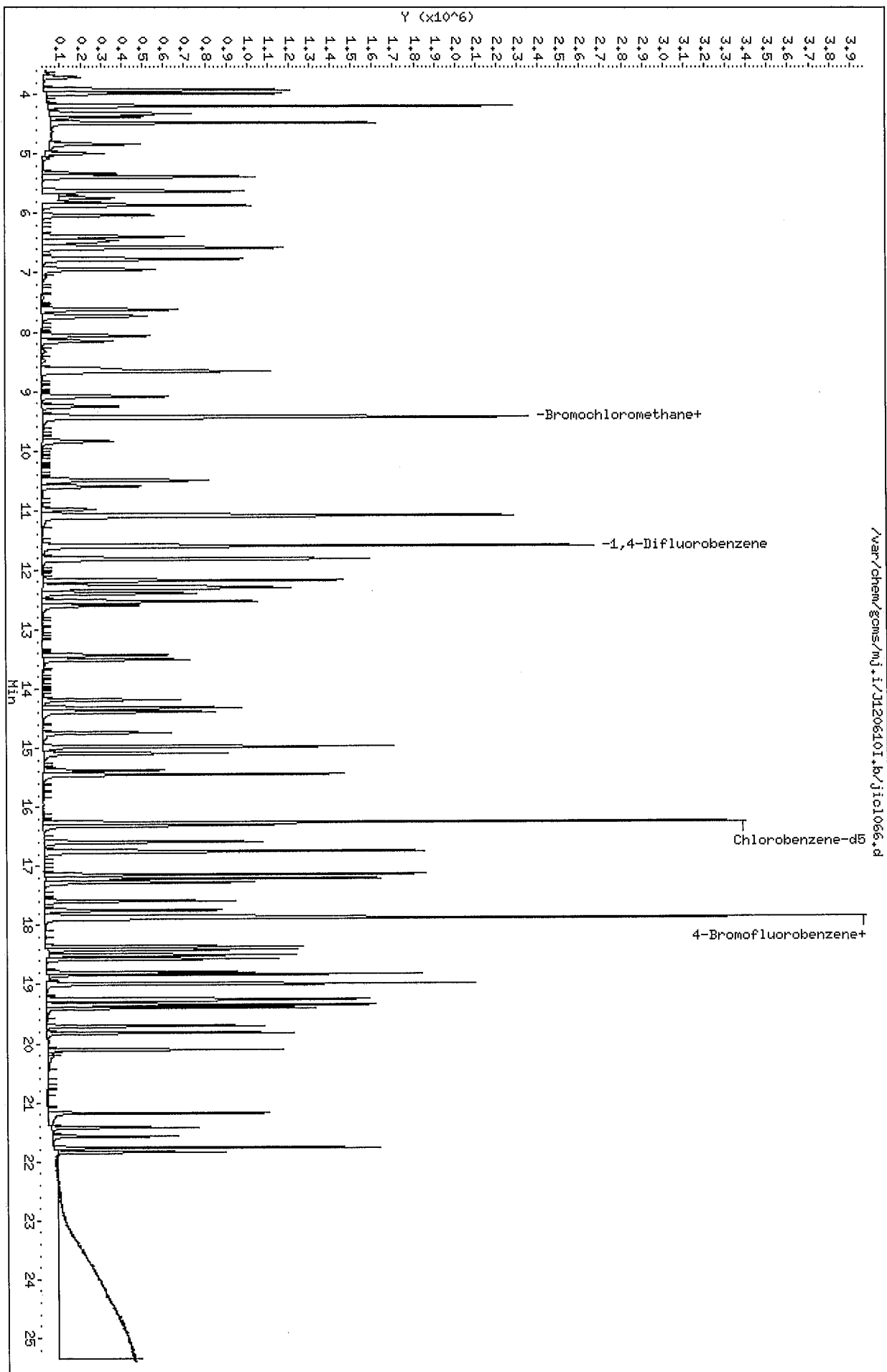
Data File: /var/chem/gcms/mj.i/J120610I.b/jic1066.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
65 Dibromochloromethane	129	15.089	15.089	(0.928)	502886	2.00000	2.023
66 1,2-Dibromoethane	107	15.380	15.380	(0.945)	456601	2.00000	1.931
67 Tetrachloroethene	129	15.450	15.450	(0.950)	332816	2.00000	1.930
68 Chlorobenzene	112	16.316	16.316	(1.003)	578858	2.00000	1.836
69 Ethylbenzene	91	16.596	16.596	(1.020)	881721	2.00000	1.952
70 m&p-Xylene	91	16.752	16.752	(1.030)	1355915	4.00000	3.976
M 178 Xylene (total)	100				2033857	6.00000	5.907
71 Nonane	57	17.144	17.144	(1.054)	640386	2.00000	2.049
72 Bromoform	173	17.209	17.209	(1.058)	379000	2.00000	2.042
73 Styrene	104	17.214	17.214	(1.058)	466425	2.00000	2.040
74 o-Xylene	91	17.273	17.273	(1.062)	677942	2.00000	1.932
75 1,1,2,2-Tetrachloroethane	83	17.591	17.591	(1.081)	533361	2.00000	1.967
76 1,2,3-Trichloropropane	110	17.747	17.747	(1.091)	118851	2.00000	1.889
77 Cumene	105	17.849	17.849	(1.097)	860746	2.00000	1.961
78 n-Propylbenzene	120	18.360	18.360	(1.129)	219095	2.00000	1.919
79 2-chlorotoluene	126	18.414	18.414	(1.132)	235872	2.00000	1.933
80 4-Ethyltoluene	105	18.505	18.505	(1.138)	761330	2.00000	1.889
81 1,3,5-Trimethylbenzene	120	18.575	18.575	(1.142)	313928	2.00000	1.971
82 Alpha-Methylstyrene	118	18.796	18.796	(1.155)	286068	2.00000	1.916
83 Decane	57	18.834	18.834	(1.158)	611183	2.00000	2.048
85 tert-butylbenzene	119	18.984	18.984	(1.167)	674361	2.00000	1.927
84 1,2,4-Trimethylbenzene	105	19.000	19.000	(1.168)	604631	2.00000	1.992
86 sec-butylbenzene	105	19.248	19.248	(1.183)	901168	2.00000	1.959
87 1,3-Dichlorobenzene	146	19.269	19.269	(1.185)	435235	2.00000	1.855
88 Benzyl Chloride	91	19.339	19.339	(1.189)	513515	2.00000	1.897
89 1,4-Dichlorobenzene	146	19.350	19.350	(1.189)	425779	2.00000	1.848
90 p-Cymene	119	19.398	19.398	(1.192)	655683	2.00000	1.947
91 1,2-Dichlorobenzene	146	19.705	19.705	(1.211)	386659	2.00000	1.876
92 n-butylbenzene	91	19.818	19.818	(1.218)	626521	2.00000	1.857
93 Undecane	57	20.108	20.108	(1.236)	351790	2.00000	1.384
94 Dodecane	57	21.179	21.179	(1.302)	375728	2.00000	1.691
95 1,2,4-Trichlorobenzene	180	21.426	21.426	(1.317)	204605	2.00000	1.707
96 Napthalene	128	21.572	21.572	(1.326)	448931	2.00000	1.724
97 Hexachlorobutadiene	225	21.765	21.765	(1.338)	253209	2.00000	1.896
98 1,2,3-trichlorobenzene	180	21.841	21.841	(1.343)	225748	2.00000	1.780

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1066.d
Date: 06-DEC-2010 17:19
Client ID: STD 2.0
Sample Info: ICPL6,1,6,,STD 2.0
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1067.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1067.d
 Lab Smp Id: ICAL7 Client Smp ID: 'STD 4
 Inj Date : 06-DEC-2010 18:11
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL7,,1,7,,STD 4
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 18:11 Cal File: jic1067.d
 Als bottle: 5 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

		QUANT SIG				AMOUNTS	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	128	9.431	9.431	(1.000)	539956	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.599	11.599	(1.000)	2371248	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.268	16.268	(1.000)	2050169	4.00000	4.000
\$ 6 4-Bromofluorobenzene	95	17.882	17.882	(1.099)	1465088	4.00000	4.079
7 Chlorodifluoromethane	67	3.906	3.906	(0.414)	216189	4.00000	3.585
9 Propene	41	3.922	3.922	(0.416)	794579	4.00000	3.743
8 Dichlorodifluoromethane	85	3.981	3.981	(0.422)	2002745	4.00000	3.733
10 Chloromethane	52	4.186	4.186	(0.444)	309638	4.00000	3.737
11 1,2-Dichlorotetrafluoroethane	135	4.191	4.191	(0.444)	1358342	4.00000	3.878
12 Methanol	31	4.326	4.326	(0.459)	838662	4.00000	3.122
13 Vinyl Chloride	62	4.380	4.380	(0.464)	872418	4.00000	3.727
14 n-Butane	43	4.476	4.476	(0.475)	1465184	4.00000	3.764
15 1,3-Butadiene	54	4.476	4.476	(0.475)	713073	4.00000	3.598
16 Bromomethane	94	4.837	4.837	(0.513)	689073	4.00000	3.853
17 Chloroethane	64	4.993	4.993	(0.529)	366197	4.00000	3.822

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1067.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.332	5.332	(0.565)	627158	4.00000	3.995
19 2-methyl butane	43	5.385	5.385	(0.571)	1073448	4.00000	3.748
20 Trichlorofluoromethane	101	5.622	5.622	(0.596)	1634125	4.00000	3.836
21 Acrolein	56	5.622	5.622	(0.596)	170359	4.00000	3.995
22 Acetonitrile	40	5.697	5.697	(0.604)	225458	4.00000	3.885
23 Acetone	43	5.746	5.746	(0.609)	815814	4.00000	3.177
24 Pentane	72	5.864	5.864	(0.622)	103866	4.00000	3.963
25 Isopropyl Alcohol	45	5.821	5.821	(0.617)	729652	4.00000	3.649
26 Ethyl Ether	31	6.031	6.031	(0.639)	790925	4.00000	4.013
27 1,1-Dichloroethene	96	6.391	6.391	(0.678)	617120	4.00000	3.950
29 Acrylonitrile	53	6.494	6.494	(0.689)	386386	4.00000	4.020
28 tert-butanol	59	6.456	6.456	(0.685)	760980	4.00000	3.492
30 1,1,2-Trichlorotrifluoroethane	101	6.574	6.574	(0.697)	1314402	4.00000	3.881
31 Methylene Chloride	84	6.763	6.763	(0.717)	550354	4.00000	3.553
32 3-Chloropropene	39	6.779	6.779	(0.719)	623240	4.00000	3.902
33 Carbon Disulfide	76	6.946	6.946	(0.736)	1769768	4.00000	3.911
34 trans-1,2-Dichloroethene	96	7.618	7.618	(0.808)	604785	4.00000	3.969
35 Methyl-t-Butyl Ether	73	7.731	7.731	(0.820)	1070473	4.00000	3.832
36 1,1-Dichloroethane	63	8.064	8.064	(0.855)	1347174	4.00000	3.922
37 Vinyl Acetate	43	8.156	8.156	(0.865)	1355407	4.00000	4.091
38 Hexane	56	8.662	8.662	(0.918)	636535	4.00000	3.746
39 2-Butanone	72	8.613	8.613	(0.913)	182361	4.00000	3.592
40 cis 1,2-Dichloroethene	96	9.087	9.087	(0.963)	638614	4.00000	4.008
41 Ethyl acetate	43	9.253	9.253	(0.981)	1068383	4.00000	3.707
42 Chloroform	83	9.442	9.442	(1.001)	1328156	4.00000	3.925
43 Tetrahydrofuran	42	9.834	9.834	(1.043)	623998	4.00000	3.676
44 1,1,1-Trichloroethane	97	10.496	10.496	(1.113)	1312215	4.00000	4.028
45 1,2-Dichloroethane	62	10.598	10.598	(0.914)	913667	4.00000	3.999
46 Cyclohexane	69	11.088	11.088	(0.956)	315707	4.00000	3.931
48 Benzene	78	11.082	11.082	(0.955)	1797566	4.00000	3.936
47 1-Butanol	31	10.975	10.975	(0.946)	215301	4.00000	3.614
49 Carbon Tetrachloride	117	11.109	11.109	(0.958)	1085398	4.00000	4.235
50 2,2,4-trimethylpentane	57	11.819	11.819	(1.019)	3494395	4.00000	3.948
51 Heptane	71	12.174	12.174	(1.050)	621161	4.00000	3.891
52 1,2-Dichloropropane	63	12.271	12.271	(1.058)	689878	4.00000	3.776
53 Trichloroethene	130	12.309	12.309	(1.061)	799534	4.00000	4.083
54 Dibromomethane	93	12.395	12.395	(1.069)	759826	4.00000	4.073
55 Bromodichloromethane	83	12.529	12.529	(1.080)	1238021	4.00000	4.025
56 1,4-dioxane	88	12.524	12.524	(1.080)	158385	4.00000	3.887
57 methyl methacrylate	41	12.594	12.594	(1.086)	621681	4.00000	3.830
58 4-Methyl-2-pentanone	43	13.428	13.428	(1.158)	1172565	4.00000	3.576
59 cis-1,3-Dichloropropene	75	13.508	13.508	(1.165)	837159	4.00000	3.987
60 trans-1,3-Dichloropropene	75	14.186	14.186	(0.872)	777296	4.00000	4.098
61 Toluene	91	14.321	14.321	(0.880)	1621927	4.00000	3.806
62 1,1,2-Trichloroethane	97	14.391	14.391	(0.885)	589330	4.00000	3.962
63 2-Hexanone	58	14.740	14.740	(0.906)	517914	4.00000	3.870
64 Octane	85	14.977	14.977	(0.921)	547539	4.00000	3.934

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1067.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
65 Dibromochloromethane	129	15.090	15.090	(0.928)	1070910	4.00000	4.282
66 1,2-Dibromoethane	107	15.381	15.381	(0.945)	951361	4.00000	4.000
67 Tetrachloroethene	129	15.450	15.450	(0.950)	684277	4.00000	3.945
68 Chlorobenzene	112	16.317	16.317	(1.003)	1243040	4.00000	3.920
69 Ethylbenzene	91	16.591	16.591	(1.020)	1844537	4.00000	4.059
70 m&p-Xylene	91	16.752	16.752	(1.030)	2815518	8.00000	8.206
M 178 Xylene (total)	100				4210071	12.0000	12.16
71 Nonane	57	17.145	17.145	(1.054)	1300808	4.00000	4.138
72 Bromoform	173	17.210	17.210	(1.058)	832475	4.00000	4.458
73 Styrene	104	17.215	17.215	(1.058)	1055642	4.00000	4.589
74 o-Xylene	91	17.274	17.274	(1.062)	1394553	4.00000	3.950
75 1,1,2,2-Tetrachloroethane	83	17.591	17.591	(1.081)	1080440	4.00000	3.961
76 1,2,3-Trichloropropane	110	17.747	17.747	(1.091)	245960	4.00000	3.886
77 Cumene	105	17.850	17.850	(1.097)	1740518	4.00000	3.943
78 n-Propylbenzene	120	18.361	18.361	(1.129)	468188	4.00000	4.076
79 2-chlorotoluene	126	18.415	18.415	(1.132)	503690	4.00000	4.103
80 4-Ethyltoluene	105	18.506	18.506	(1.138)	1570422	4.00000	3.874
81 1,3,5-Trimethylbenzene	120	18.576	18.576	(1.142)	642485	4.00000	4.009
82 Alpha-Methylstyrene	118	18.796	18.796	(1.155)	649956	4.00000	4.328
83 Decane	57	18.834	18.834	(1.158)	1253382	4.00000	4.174
85 tert-butylbenzene	119	18.985	18.985	(1.167)	1373857	4.00000	3.903
84 1,2,4-Trimethylbenzene	105	18.996	18.996	(1.168)	1233919	4.00000	4.041
86 sec-butylbenzene	105	19.243	19.243	(1.183)	1820120	4.00000	3.934
87 1,3-Dichlorobenzene	146	19.270	19.270	(1.185)	950587	4.00000	4.028
88 Benzyl Chloride	91	19.340	19.340	(1.189)	1111192	4.00000	4.081
89 1,4-Dichlorobenzene	146	19.351	19.351	(1.189)	924545	4.00000	3.989
90 p-Cymene	119	19.399	19.399	(1.192)	1351582	4.00000	3.990
91 1,2-Dichlorobenzene	146	19.706	19.706	(1.211)	815370	4.00000	3.934
92 n-butylbenzene	91	19.819	19.819	(1.218)	1329798	4.00000	3.919
93 Undecane	57	20.104	20.104	(1.236)	759357	4.00000	2.971
94 Dodecane	57	21.180	21.180	(1.302)	553504	4.00000	2.477
95 1,2,4-Trichlorobenzene	180	21.422	21.422	(1.317)	355008	4.00000	2.944
96 Napthalene	128	21.572	21.572	(1.326)	797082	4.00000	3.043
97 Hexachlorobutadiene	225	21.766	21.766	(1.338)	414969	4.00000	3.090
98 1,2,3-trichlorobenzene	180	21.841	21.841	(1.343)	311372	4.00000	2.441

Data File: /var/chem/gcms/mj.i/J1206101.b/j1c1067.d

Date : 06-DEC-2010 18:11

Client ID: STD 4

Sample Info: ICAL7,,1,7,,STD 4

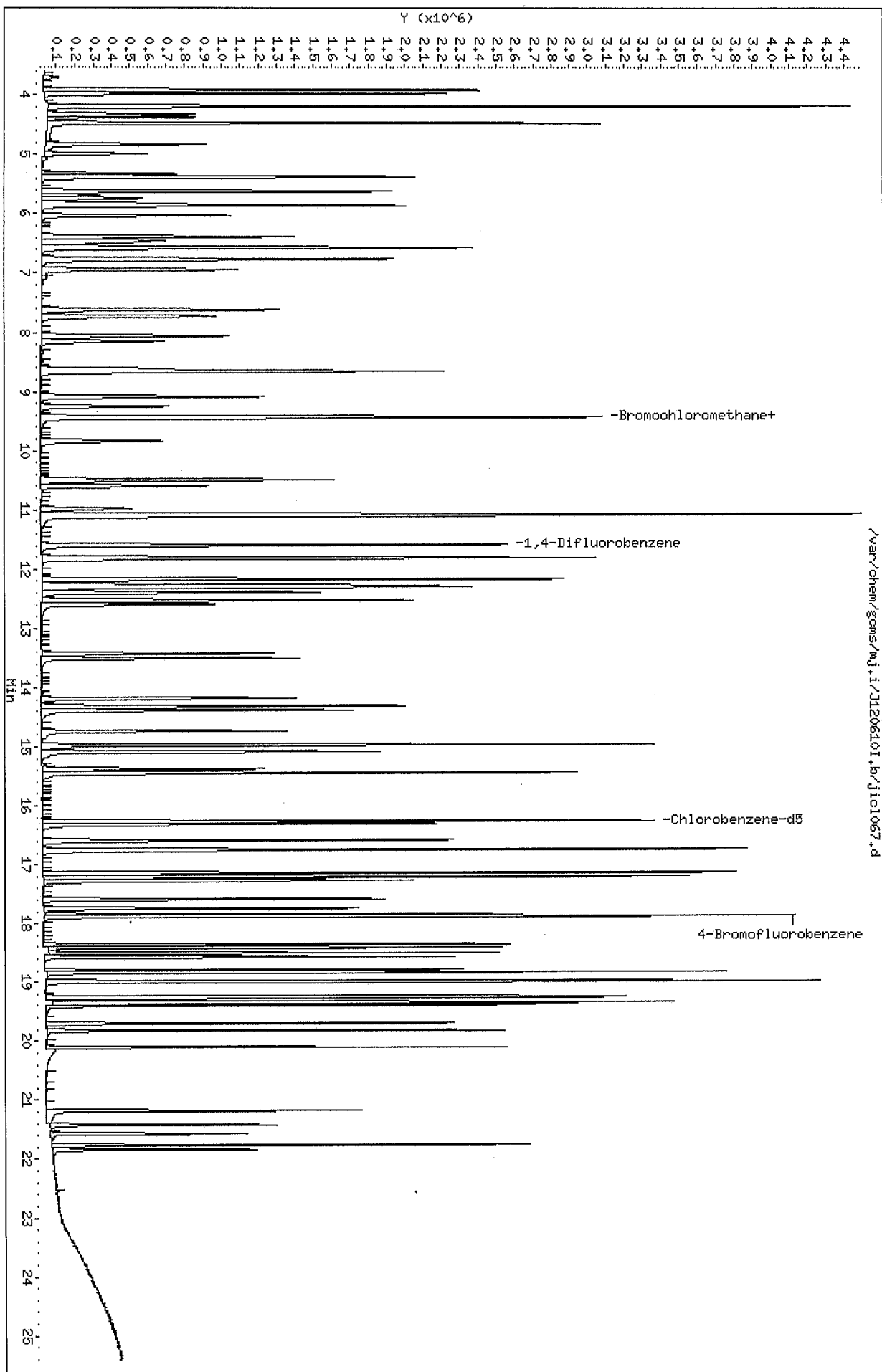
Purge Volume: 200.0

Column phase: Rtx-5

Instrument: mj.i

Operator: 7126

Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1068.d
 Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1068.d
 Lab Smp Id: ICAL8 Client Smp ID: STD 8
 Inj Date : 06-DEC-2010 19:04
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL8,,1,8,,STD 8
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 19:04 Cal File: jic1068.d
 Als bottle: 6 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	=====	128	9.428	9.428	(1.000)	556626	4.00000	4.000
* 2 1,4-Difluorobenzene	=====	114	11.596	11.596	(1.000)	2303729	4.00000	4.000
* 3 Chlorobenzene-d5	=====	117	16.266	16.266	(1.000)	2077036	4.00000	4.000
\$ 6 4-Bromofluorobenzene	=====	95	17.885	17.885	(1.100)	1464814	4.00000	4.025
7 Chlorodifluoromethane	=====	67	3.904	3.904	(0.414)	438158	8.00000	7.048
9 Propene	=====	41	3.920	3.920	(0.416)	1590969	8.00000	7.271
8 Dichlorodifluoromethane	=====	85	3.973	3.973	(0.421)	3861355	8.00000	6.982
10 Chloromethane	=====	52	4.178	4.178	(0.443)	603759	8.00000	7.069
11 1,2-Dichlorotetrafluoroethane	=====	135	4.183	4.183	(0.444)	2666374	8.00000	7.384
12 Methanol	=====	31	4.312	4.312	(0.457)	1106366	8.00000	3.995
13 Vinyl Chloride	=====	62	4.372	4.372	(0.464)	1688858	8.00000	6.998
14 n-Butane	=====	43	4.468	4.468	(0.474)	2709262	8.00000	6.751
15 1,3-Butadiene	=====	54	4.468	4.468	(0.474)	1384844	8.00000	6.779
16 Bromomethane	=====	94	4.829	4.829	(0.512)	1299179	8.00000	7.047
17 Chloroethane	=====	64	4.985	4.985	(0.529)	717173	8.00000	7.261

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1068.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.324	5.324	(0.565)	1259445	8.00000	7.782
19 2-methyl butane	43	5.377	5.377	(0.570)	2080556	8.00000	7.046
20 Trichlorofluoromethane	101	5.620	5.620	(0.596)	3179812	8.00000	7.242
21 Acrolein	56	5.620	5.620	(0.596)	331442	8.00000	7.540
22 Acetonitrile	40	5.689	5.689	(0.603)	474421	8.00000	7.930
23 Acetone	43	5.738	5.738	(0.609)	1902199	8.00000	7.186
24 Pentane	72	5.856	5.856	(0.621)	204276	8.00000	7.561
25 Isopropyl Alcohol	45	5.808	5.808	(0.616)	1414258	8.00000	6.861
26 Ethyl Ether	31	6.023	6.023	(0.639)	1575272	8.00000	7.754
27 1,1-Dichloroethene	96	6.383	6.383	(0.677)	1246468	8.00000	7.740
29 Acrylonitrile	53	6.486	6.486	(0.688)	821944	8.00000	8.296
28 tert-butanol	59	6.448	6.448	(0.684)	1584233	8.00000	7.052
30 1,1,2-Trichlorotrifluoroethane	101	6.572	6.572	(0.697)	2608649	8.00000	7.472
31 Methylene Chloride	84	6.755	6.755	(0.716)	1101695	8.00000	6.899
32 3-Chloropropene	39	6.776	6.776	(0.719)	1233542	8.00000	7.492
33 Carbon Disulfide	76	6.938	6.938	(0.736)	3497209	8.00000	7.497
34 trans-1,2-Dichloroethene	96	7.615	7.615	(0.808)	1234444	8.00000	7.858
35 Methyl-t-Butyl Ether	73	7.723	7.723	(0.819)	2157654	8.00000	7.493
36 1,1-Dichloroethane	63	8.056	8.056	(0.854)	2638166	8.00000	7.450
37 Vinyl Acetate	43	8.153	8.153	(0.865)	2846107	8.00000	8.332
38 Hexane	56	8.659	8.659	(0.918)	1284429	8.00000	7.333
39 2-Butanone	72	8.611	8.611	(0.913)	379326	8.00000	7.248
40 cis 1,2-Dichloroethene	96	9.084	9.084	(0.963)	1305834	8.00000	7.949
41 Ethyl acetate	43	9.245	9.245	(0.981)	2194910	8.00000	7.388
42 Chloroform	83	9.439	9.439	(1.001)	2581577	8.00000	7.402
43 Tetrahydrofuran	42	9.826	9.826	(1.042)	1278642	8.00000	7.306
44 1,1,1-Trichloroethane	97	10.493	10.493	(1.113)	2599290	8.00000	7.740
45 1,2-Dichloroethane	62	10.596	10.596	(0.914)	1780995	8.00000	8.023
46 Cyclohexane	69	11.085	11.085	(0.956)	645503	8.00000	8.273
48 Benzene	78	11.080	11.080	(0.955)	3532917	8.00000	7.962
47 1-Butanol	31	10.972	10.972	(0.946)	423809	8.00000	7.322
49 Carbon Tetrachloride	117	11.107	11.107	(0.958)	2049335	8.00000	8.230
50 2,2,4-trimethylpentane	57	11.811	11.811	(1.019)	6677617	8.00000	7.766
51 Heptane	71	12.172	12.172	(1.050)	1245239	8.00000	8.029
52 1,2-Dichloropropane	63	12.269	12.269	(1.058)	1395099	8.00000	7.860
53 Trichloroethene	130	12.306	12.306	(1.061)	1590203	8.00000	8.359
54 Dibromomethane	93	12.392	12.392	(1.069)	1492502	8.00000	8.236
55 Bromodichloromethane	83	12.527	12.527	(1.080)	2446919	8.00000	8.188
56 1,4-dioxane	88	12.521	12.521	(1.080)	306695	8.00000	7.748
57 methyl methacrylate	41	12.591	12.591	(1.086)	1281040	8.00000	8.122
58 4-Methyl-2-pentanone	43	13.425	13.425	(1.158)	2367667	8.00000	7.432
59 cis-1,3-Dichloropropene	75	13.506	13.506	(1.165)	1723964	8.00000	8.451
60 trans-1,3-Dichloropropene	75	14.184	14.184	(0.872)	1617529	8.00000	8.418
61 Toluene	91	14.318	14.318	(0.880)	3269273	8.00000	7.572
62 1,1,2-Trichloroethane	97	14.388	14.388	(0.885)	1200353	8.00000	7.965
63 2-Hexanone	58	14.738	14.738	(0.906)	1047329	8.00000	7.725
64 Octane	85	14.974	14.974	(0.921)	1125407	8.00000	7.982

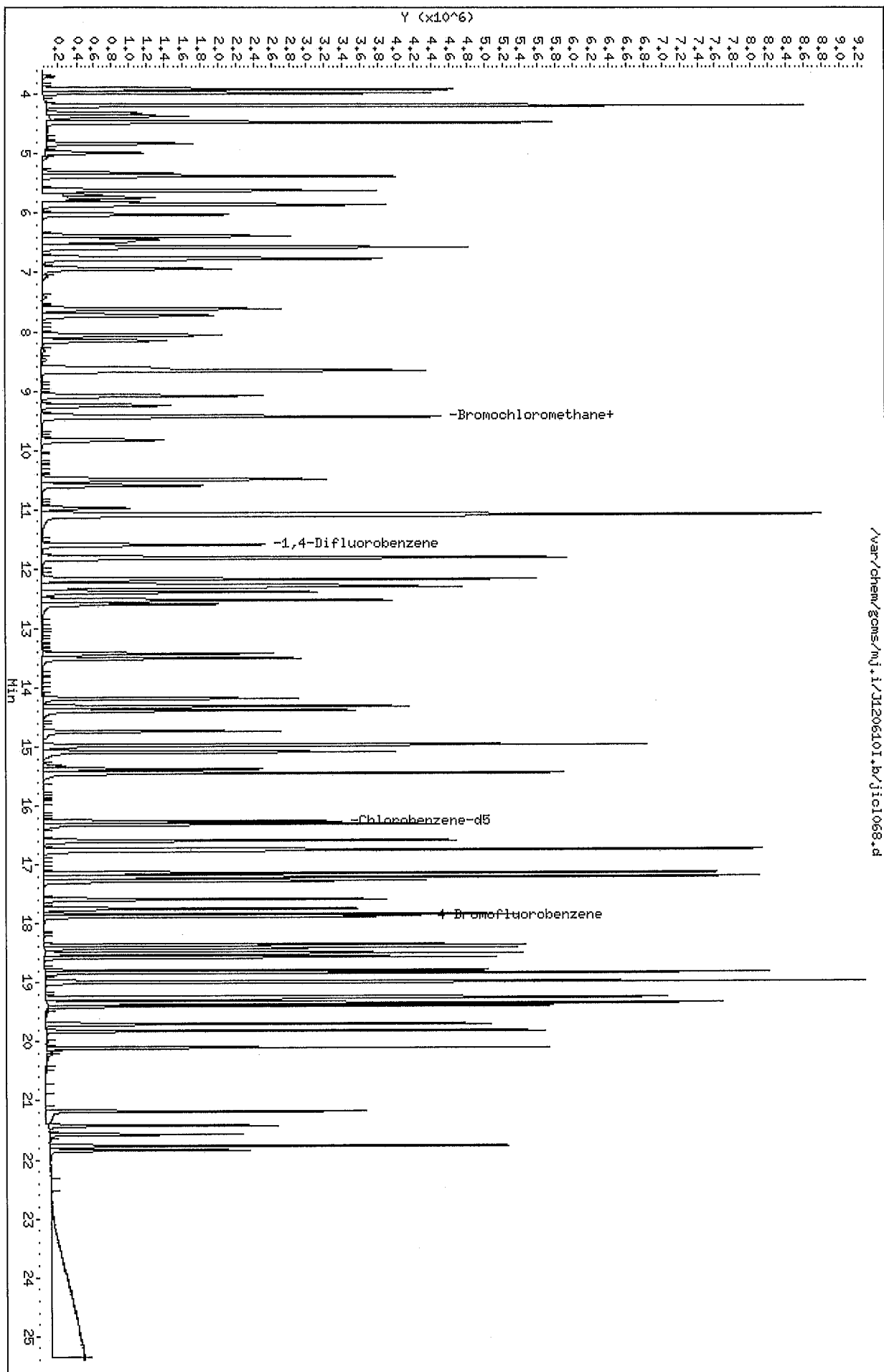
Data File: /var/chem/gcms/mj.i/J120610I.b/jic1068.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	====	==	=====	=====	=====	=====	=====
65 Dibromochloromethane	129	15.087	15.087	(0.928)	2311644	8.00000	9.124
66 1,2-Dibromoethane	107	15.378	15.378	(0.945)	1955304	8.00000	8.114
67 Tetrachloroethene	129	15.448	15.448	(0.950)	1369301	8.00000	7.792
68 Chlorobenzene	112	16.314	16.314	(1.003)	2536534	8.00000	7.896
69 Ethylbenzene	91	16.594	16.594	(1.020)	3765890	8.00000	8.180
70 m&p-Xylene	91	16.750	16.750	(1.030)	5731893	16.0000	16.49
M 178 Xylene (total)	100				8579578	24.0000	24.45
71 Nonane	57	17.148	17.148	(1.054)	2689913	8.00000	8.445
72 Bromoform	173	17.212	17.212	(1.058)	1962845	8.00000	10.38
73 Styrene	104	17.212	17.212	(1.058)	2298382	8.00000	9.862
74 o-Xylene	91	17.277	17.277	(1.062)	2847685	8.00000	7.961
75 1,1,2,2-Tetrachloroethane	83	17.589	17.589	(1.081)	2250986	8.00000	8.145
76 1,2,3-Trichloropropane	110	17.750	17.750	(1.091)	516592	8.00000	8.056
77 Cumene	105	17.847	17.847	(1.097)	3637047	8.00000	8.132
78 n-Propylbenzene	120	18.364	18.364	(1.129)	1040731	8.00000	8.944
79 2-chlorotoluene	126	18.412	18.412	(1.132)	1072267	8.00000	8.622
80 4-Ethyltoluene	105	18.503	18.503	(1.138)	3333080	8.00000	8.115
81 1,3,5-Trimethylbenzene	120	18.573	18.573	(1.142)	1416957	8.00000	8.727
82 Alpha-Methylstyrene	118	18.799	18.799	(1.156)	1465988	8.00000	9.635
83 Decane	57	18.837	18.837	(1.158)	2757531	8.00000	9.064
85 tert-butylbenzene	119	18.988	18.988	(1.167)	3062774	8.00000	8.589
84 1,2,4-Trimethylbenzene	105	18.998	18.998	(1.168)	2652828	8.00000	8.576
86 sec-butylbenzene	105	19.246	19.246	(1.183)	3874463	8.00000	8.265
87 1,3-Dichlorobenzene	146	19.267	19.267	(1.185)	2080942	8.00000	8.704
88 Benzyl Chloride	91	19.337	19.337	(1.189)	2450931	8.00000	8.885
89 1,4-Dichlorobenzene	146	19.353	19.353	(1.190)	2044991	8.00000	8.710
90 p-Cymene	119	19.402	19.402	(1.193)	2935592	8.00000	8.555
91 1,2-Dichlorobenzene	146	19.703	19.703	(1.211)	1775265	8.00000	8.454
92 n-butylbenzene	91	19.821	19.821	(1.219)	2818142	8.00000	8.197
93 Undecane	57	20.106	20.106	(1.236)	1733087	8.00000	6.693
94 Dodecane	57	21.182	21.182	(1.302)	1229201	8.00000	5.429
95 1,2,4-Trichlorobenzene	180	21.424	21.424	(1.317)	761340	8.00000	6.233
96 Napthalene	128	21.570	21.570	(1.326)	1638737	8.00000	6.175
97 Hexachlorobutadiene	225	21.769	21.769	(1.338)	841485	8.00000	6.184
98 1,2,3-trichlorobenzene	180	21.839	21.839	(1.343)	627301	8.00000	4.853

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1068.d
Date: 06-DEC-2010 19:04
Client ID: STD 8
Sample Info: ICAL8,,1,8,,STD 8
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jic1069.d

Report Date: 07-Dec-2010 11:18

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jic1069.d
 Lab Smp Id: ICAL9 Client Smp ID: STD 16
 Inj Date : 06-DEC-2010 19:59
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICAL9,,1,9,,STD 16
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 19:59 Cal File: jic1069.d
 Als bottle: 7 Calibration Sample, Level: 9
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	128	9.427	9.427	(1.000)	571910	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.595	11.595	(1.000)	2294148	4.00000	4.000	
* 3 Chlorobenzene-d5	117	16.265	16.265	(1.000)	2146810	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95	17.884	17.884	(1.100)	1492509	4.00000	3.968	
7 Chlorodifluoromethane	67	3.897	3.897	(0.413)	857552	16.0000	13.42	
9 Propene	41	3.913	3.913	(0.415)	3156622	16.0000	14.04	
8 Dichlorodifluoromethane	85	3.967	3.967	(0.421)	6942455	16.0000	12.22	
10 Chloromethane	52	4.172	4.172	(0.442)	1138676	16.0000	12.98	
11 1,2-Dichlorotetrafluoroethane	135	4.177	4.177	(0.443)	4300919	16.0000	11.59	
12 Methanol	31	4.311	4.311	(0.457)	1487691	16.0000	5.228	
13 Vinyl Chloride	62	4.365	4.365	(0.463)	3129696	16.0000	12.62	
14 n-Butane	43	4.462	4.462	(0.473)	4713407	16.0000	11.43	
15 1,3-Butadiene	54	4.462	4.462	(0.473)	2552787	16.0000	12.16	
16 Bromomethane	94	4.822	4.822	(0.512)	2482085	16.0000	13.10	
17 Chloroethane	64	4.978	4.978	(0.528)	1399156	16.0000	13.79	

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1069.d

Report Date: 07-Dec-2010 11:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.317	5.317	(0.564)	2508375	16.0000	15.08
19 2-methyl butane	43	5.371	5.371	(0.570)	4005922	16.0000	13.20
20 Trichlorofluoromethane	101	5.613	5.613	(0.595)	6084247	16.0000	13.49
21 Acrolein	56	5.613	5.613	(0.595)	762181	16.0000	16.87 (A)
22 Acetonitrile	40	5.689	5.689	(0.603)	1028113	16.0000	16.72 (A)
23 Acetone	43	5.732	5.732	(0.608)	4525118	16.0000	16.64 (A)
24 Pentane	72	5.850	5.850	(0.621)	415661	16.0000	14.97
25 Isopropyl Alcohol	45	5.801	5.801	(0.615)	2973047	16.0000	14.04
26 Ethyl Ether	31	6.017	6.017	(0.638)	3229242	16.0000	15.47
27 1,1-Dichloroethene	96	6.382	6.382	(0.677)	2466320	16.0000	14.91
29 Acrylonitrile	53	6.485	6.485	(0.688)	1773686	16.0000	17.42 (A)
28 tert-butanol	59	6.442	6.442	(0.683)	3273191	16.0000	14.18
30 1,1,2-Trichlorotrifluoroethane	101	6.565	6.565	(0.696)	5081354	16.0000	14.16
31 Methylene Chloride	84	6.754	6.754	(0.716)	2163914	16.0000	13.19
32 3-Chloropropene	39	6.770	6.770	(0.718)	2546497	16.0000	15.05
33 Carbon Disulfide	76	6.937	6.937	(0.736)	6569031	16.0000	13.70
34 trans-1,2-Dichloroethene	96	7.614	7.614	(0.808)	2466930	16.0000	15.28
35 Methyl-t-Butyl Ether	73	7.717	7.717	(0.819)	4439730	16.0000	15.01
36 1,1-Dichloroethane	63	8.055	8.055	(0.854)	5078819	16.0000	13.96
37 Vinyl Acetate	43	8.147	8.147	(0.864)	6018918	16.0000	17.15 (A)
38 Hexane	56	8.653	8.653	(0.918)	2572198	16.0000	14.29
39 2-Butanone	72	8.604	8.604	(0.913)	878415	16.0000	16.34 (A)
40 cis 1,2-Dichloroethene	96	9.083	9.083	(0.963)	2586554	16.0000	15.32
41 Ethyl acetate	43	9.239	9.239	(0.980)	4524770	16.0000	14.82
42 Chloroform	83	9.433	9.433	(1.001)	4887335	16.0000	13.64
43 Tetrahydrofuran	42	9.820	9.820	(1.042)	2687365	16.0000	14.94
44 1,1,1-Trichloroethane	97	10.492	10.492	(1.113)	4929957	16.0000	14.29
45 1,2-Dichloroethane	62	10.595	10.595	(0.914)	3454348	16.0000	15.63
46 Cyclohexane	69	11.084	11.084	(0.956)	1326796	16.0000	17.08 (A)
48 Benzene	78	11.079	11.079	(0.955)	6927922	16.0000	15.68
47 1-Butanol	31	10.971	10.971	(0.946)	922260	16.0000	16.00 (A)
49 Carbon Tetrachloride	117	11.100	11.100	(0.957)	5522705	16.0000	22.27 (A)
50 2,2,4-trimethylpentane	57	11.810	11.810	(1.019)	12421814	16.0000	14.51
51 Heptane	71	12.176	12.176	(1.050)	2471813	16.0000	16.00 (A)
52 1,2-Dichloropropane	63	12.268	12.268	(1.058)	2886123	16.0000	16.33 (A)
53 Trichloroethene	130	12.305	12.305	(1.061)	3238139	16.0000	17.09 (A)
54 Dibromomethane	93	12.391	12.391	(1.069)	2957793	16.0000	16.39 (A)
55 Bromodichloromethane	83	12.526	12.526	(1.080)	4783626	16.0000	16.07 (A)
56 1,4-dioxane	88	12.520	12.520	(1.080)	544201	16.0000	13.80
57 methyl methacrylate	41	12.590	12.590	(1.086)	2783401	16.0000	17.72 (A)
58 4-Methyl-2-pentanone	43	13.424	13.424	(1.158)	4614675	16.0000	14.54
59 cis-1,3-Dichloropropene	75	13.505	13.505	(1.165)	3485509	16.0000	17.16 (A)
60 trans-1,3-Dichloropropene	75	14.183	14.183	(0.872)	3337384	16.0000	16.80 (A)
61 Toluene	91	14.317	14.317	(0.880)	6582932	16.0000	14.75
62 1,1,2-Trichloroethane	97	14.387	14.387	(0.885)	2474167	16.0000	15.88
63 2-Hexanone	58	14.737	14.737	(0.906)	2184101	16.0000	15.58
64 Octane	85	14.979	14.979	(0.921)	2346277	16.0000	16.10 (A)

Data File: /var/chem/gcms/mj.i/J120610I.b/jic1069.d
 Report Date: 07-Dec-2010 11:18

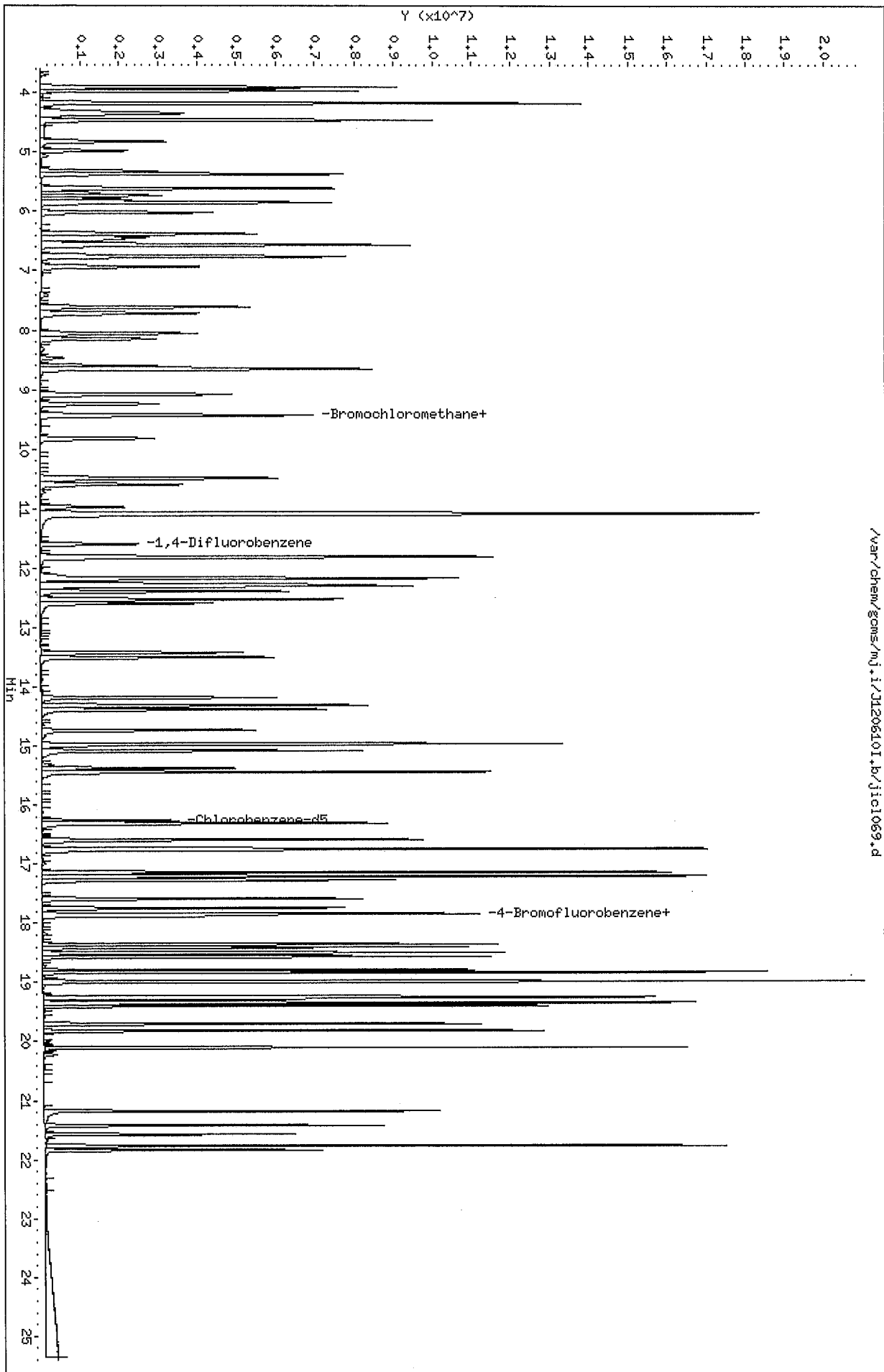
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	====	==	=====	=====	=====	=====	=====
65 Dibromochloromethane	129	15.086	15.086	(0.928)	4753404	16.0000	18.15 (A)
66 1,2-Dibromoethane	107	15.382	15.382	(0.946)	3896329	16.0000	15.64
67 Tetrachloroethene	129	15.447	15.447	(0.950)	2697210	16.0000	14.85
68 Chlorobenzene	112	16.313	16.313	(1.003)	5070040	16.0000	15.27
69 Ethylbenzene	91	16.593	16.593	(1.020)	7511624	16.0000	15.78
70 m&p-Xylene	91	16.754	16.754	(1.030)	11388487	32.0000	31.70
M 178 Xylene (total)	100				17134229	48.0000	47.24
71 Nonane	57	17.147	17.147	(1.054)	5705835	16.0000	17.33 (A)
72 Bromoform	173	17.211	17.211	(1.058)	4160134	16.0000	21.27 (A)
73 Styrene	104	17.211	17.211	(1.058)	4844991	16.0000	20.11 (A)
74 o-Xylene	91	17.276	17.276	(1.062)	5745742	16.0000	15.54
75 1,1,2,2-Tetrachloroethane	83	17.588	17.588	(1.081)	4718620	16.0000	16.52 (A)
76 1,2,3-Trichloropropane	110	17.749	17.749	(1.091)	1131473	16.0000	17.07 (A)
77 Cumene	105	17.846	17.846	(1.097)	7488397	16.0000	16.20 (A)
78 n-Propylbenzene	120	18.363	18.363	(1.129)	2399196	16.0000	19.95 (A)
79 2-chlorotoluene	126	18.416	18.416	(1.132)	2309240	16.0000	17.96 (A)
80 4-Ethyltoluene	105	18.502	18.502	(1.138)	7106278	16.0000	16.74 (A)
81 1,3,5-Trimethylbenzene	120	18.572	18.572	(1.142)	3237799	16.0000	19.29 (A)
82 Alpha-Methylstyrene	118	18.798	18.798	(1.156)	3261554	16.0000	20.74 (A)
83 Decane	57	18.836	18.836	(1.158)	5930172	16.0000	18.86 (A)
85 tert-butylbenzene	119	18.987	18.987	(1.167)	6772675	16.0000	18.37 (A)
84 1,2,4-Trimethylbenzene	105	18.997	18.997	(1.168)	5851311	16.0000	18.30 (A)
86 sec-butylbenzene	105	19.245	19.245	(1.183)	8151290	16.0000	16.82 (A)
87 1,3-Dichlorobenzene	146	19.266	19.266	(1.185)	4527246	16.0000	18.32 (A)
88 Benzyl Chloride	91	19.336	19.336	(1.189)	5298991	16.0000	18.59 (A)
89 1,4-Dichlorobenzene	146	19.352	19.352	(1.190)	4315852	16.0000	17.78 (A)
90 p-Cymene	119	19.401	19.401	(1.193)	6235517	16.0000	17.58 (A)
91 1,2-Dichlorobenzene	146	19.702	19.702	(1.211)	3897051	16.0000	17.95 (A)
92 n-butylbenzene	91	19.820	19.820	(1.219)	6065436	16.0000	17.07 (A)
93 Undecane	57	20.105	20.105	(1.236)	4889482	16.0000	18.27 (A)
94 Dodecane	57	21.181	21.181	(1.302)	3405953	16.0000	14.55
95 1,2,4-Trichlorobenzene	180	21.423	21.423	(1.317)	2467283	16.0000	19.54 (A)
96 Napthalene	128	21.574	21.574	(1.326)	4513042	16.0000	16.45 (A)
97 Hexachlorobutadiene	225	21.768	21.768	(1.338)	2685226	16.0000	19.09 (A)
98 1,2,3-trichlorobenzene	180	21.843	21.843	(1.343)	1895617	16.0000	14.19

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/J1206101.b/jic1069.d
Date: 06-DEC-2010 19:59
Client ID: STD 16
Sample Info: ICAL9,,1,9,,STD 16
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/jicv106.d
 Report Date: 07-Dec-2010 11:19

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/jicv106.d
 Lab Smp Id: ICV Client Smp ID: LCS
 Inj Date : 06-DEC-2010 21:44
 Operator : 7126 Inst ID: mj.i
 Smp Info : ICV,,3,,,LCS
 Misc Info : J120610I,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 11:18 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 19:59 Cal File: jic1069.d
 Als bottle: 15 QC Sample: 2ND SOURCE
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb (v/v))
* 1 Bromochloromethane	128	9.424	9.427	(1.000)	538245	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.597	11.595	(1.000)	2220019	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.267	16.265	(1.000)	1996375	4.00000	4.000
\$ 6 4-Bromofluorobenzene	95	17.880	17.884	(1.099)	1394743	3.98769	9.969
7 Chlorodifluoromethane	67	3.899	3.897	(0.414)	220346	3.66517	9.163
9 Propene	41	3.910	3.913	(0.415)	840066	3.97015	9.925
8 Dichlorodifluoromethane	85	3.969	3.967	(0.421)	2116485	3.95742	9.894
10 Chloromethane	52	4.174	4.172	(0.443)	317935	3.84977	9.624
11 1,2-Dichlorotetrafluoroethane	135	4.179	4.177	(0.443)	1442021	4.12963	10.32
12 Methanol	31	4.313	4.311	(0.458)	701862	2.62102	6.552
13 Vinyl Chloride	62	4.362	4.365	(0.463)	889709	3.81256	9.531
14 n-Butane	43	4.464	4.462	(0.474)	1454625	3.74843	9.371
15 1,3-Butadiene	54	4.464	4.462	(0.474)	701955	3.55341	8.884
16 Bromomethane	94	4.824	4.822	(0.512)	711398	3.99054	9.976
17 Chloroethane	64	4.980	4.978	(0.528)	383380	4.01418	10.04

Data File: /var/chem/gcms/mj.i/J120610I.b/jicv106.d

Report Date: 07-Dec-2010 11:19

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb (v/v))	FINAL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
18 Vinyl Bromide	106	5.319	5.317	(0.564)	620350	3.96394	9.910
19 2-methyl butane	43	5.373	5.371	(0.570)	1089205	3.81464	9.537
20 Trichlorofluoromethane	101	5.615	5.613	(0.596)	1703558	4.01225	10.03
21 Acrolein	56	5.615	5.613	(0.596)	186775	4.39385	10.98
22 Acetonitrile	40	5.685	5.689	(0.603)	197509	3.41392	8.535
23 Acetone	43	5.734	5.732	(0.608)	749689	2.92897	7.322
24 Pentane	72	5.852	5.850	(0.621)	108807	4.16504	10.41
25 Isopropyl Alcohol	45	5.803	5.801	(0.616)	695907	3.49138	8.728
26 Ethyl Ether	31	6.019	6.017	(0.639)	773028	3.93501	9.838
27 1,1-Dichloroethene	96	6.379	6.382	(0.677)	544120	3.49434	8.736
29 Acrylonitrile	53	6.481	6.485	(0.688)	333771	3.48403	8.710
28 tert-butanol	59	6.438	6.442	(0.683)	826441	3.80438	9.511
30 1,1,2-Trichlorotrifluoroethane	101	6.567	6.565	(0.697)	1187130	3.51640	8.791
31 Methylene Chloride	84	6.750	6.754	(0.716)	509444	3.29923	8.248
32 3-Chloropropene	39	6.766	6.770	(0.718)	580730	3.64767	9.119
33 Carbon Disulfide	76	6.933	6.937	(0.736)	1812767	4.01857	10.05
34 trans-1,2-Dichloroethene	96	7.611	7.614	(0.808)	631231	4.15558	10.39
35 Methyl-t-Butyl Ether	73	7.724	7.717	(0.820)	1055418	3.79060	9.476
36 1,1-Dichloroethane	63	8.052	8.055	(0.854)	1252762	3.65878	9.147
37 Vinyl Acetate	43	8.149	8.147	(0.865)	1157554	3.50464	8.762
38 Hexane	56	8.655	8.653	(0.918)	646718	3.81837	9.546
39 2-Butanone	72	8.606	8.604	(0.913)	180949	3.57565	8.939
40 cis 1,2-Dichloroethene	96	9.080	9.083	(0.963)	596035	3.75235	9.381
41 Ethyl acetate	43	9.241	9.239	(0.981)	1087099	3.78410	9.460
42 Chloroform	83	9.435	9.433	(1.001)	1183032	3.50766	8.769
43 Tetrahydrofuran	42	9.827	9.820	(1.043)	583434	3.44768	8.619
44 1,1,1-Trichloroethane	97	10.489	10.492	(1.113)	1243299	3.82881	9.572
45 1,2-Dichloroethane	62	10.591	10.595	(0.913)	794541	3.71437	9.286
46 Cyclohexane	69	11.081	11.084	(0.955)	323842	4.30709	10.77
48 Benzene	78	11.075	11.079	(0.955)	1565564	3.66116	9.153
47 1-Butanol	31	10.973	10.971	(0.946)	222330	3.98620	9.965
49 Carbon Tetrachloride	117	11.102	11.100	(0.957)	1250424	5.21102	13.03
50 2,2,4-trimethylpentane	57	11.812	11.810	(1.019)	3283299	3.96254	9.906
51 Heptane	71	12.173	12.176	(1.050)	585299	3.91625	9.791
52 1,2-Dichloropropane	63	12.270	12.268	(1.058)	606067	3.54328	8.858
53 Trichloroethene	130	12.302	12.305	(1.061)	731598	3.99059	9.976
54 Dibromomethane	93	12.388	12.391	(1.068)	713110	4.08340	10.21
55 Bromodichloromethane	83	12.522	12.526	(1.080)	1153432	4.00522	10.01
56 1,4-dioxane	88	12.517	12.520	(1.079)	145968	3.82671	9.567
57 methyl methacrylate	41	12.592	12.590	(1.086)	629214	4.14002	10.35
58 4-Methyl-2-pentanone	43	13.426	13.424	(1.158)	1263697	4.11626	10.29
59 cis-1,3-Dichloropropene	75	13.502	13.505	(1.164)	774851	3.94157	9.854
60 trans-1,3-Dichloropropene	75	14.185	14.183	(0.872)	715166	3.87232	9.681
61 Toluene	91	14.319	14.317	(0.880)	1450820	3.49584	8.740
62 1,1,2-Trichloroethane	97	14.384	14.387	(0.884)	555798	3.83716	9.593
63 2-Hexanone	58	14.739	14.737	(0.906)	549101	4.21364	10.53
64 Octane	85	14.975	14.979	(0.921)	531046	3.91843	9.796

Data File: /var/chem/gcms/mj.i/J120610I.b/jicv106.d

Report Date: 07-Dec-2010 11:19

Compounds	QUANT SIG				RESPONSE	CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT		ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	(ppb (v/v))	(ppb (v/v))
65 Dibromochloromethane	129	15.088	15.086	(0.928)	1033245	4.24279	10.61
66 1,2-Dibromoethane	107	15.379	15.382	(0.945)	886220	3.82619	9.565
67 Tetrachloroethene	129	15.449	15.447	(0.950)	637248	3.77296	9.432
68 Chlorobenzene	112	16.315	16.313	(1.003)	1166407	3.77769	9.444
69 Ethylbenzene	91	16.589	16.593	(1.020)	1662363	3.75669	9.392
70 m&p-Xylene	91	16.751	16.754	(1.030)	2535699	7.58960	18.97
M 178 Xylene (total)	100				3806514	11.2857	28.21
71 Nonane	57	17.143	17.147	(1.054)	1262909	4.12532	10.31
72 Bromoform	173	17.208	17.211	(1.058)	829912	4.56398	11.41
73 Styrene	104	17.213	17.211	(1.058)	965902	4.31190	10.78
74 o-Xylene	91	17.273	17.276	(1.062)	1270815	3.69612	9.240
75 1,1,2,2-Tetrachloroethane	83	17.590	17.588	(1.081)	1038149	3.90830	9.771
76 1,2,3-Trichloropropane	110	17.746	17.749	(1.091)	240626	3.90409	9.760
77 Cumene	105	17.848	17.846	(1.097)	1627855	3.78686	9.467
78 n-Propylbenzene	120	18.359	18.363	(1.129)	449726	4.02102	10.05
79 2-chlorotoluene	126	18.413	18.416	(1.132)	481166	4.02512	10.06
80 4-Ethyltoluene	105	18.504	18.502	(1.138)	1513700	3.83440	9.586
81 1,3,5-Trimethylbenzene	120	18.574	18.572	(1.142)	613570	3.93182	9.830
82 Alpha-Methylstyrene	118	18.795	18.798	(1.155)	630670	4.31235	10.78
83 Decane	57	18.833	18.836	(1.158)	1149403	3.93084	9.827
85 tert-butylbenzene	119	18.983	18.987	(1.167)	1328749	3.87663	9.692
84 1,2,4-Trimethylbenzene	105	18.999	18.997	(1.168)	1181565	3.97419	9.935
86 sec-butylbenzene	105	19.241	19.245	(1.183)	1769358	3.92697	9.817
87 1,3-Dichlorobenzene	146	19.268	19.266	(1.185)	904822	3.93767	9.844
88 Benzyl Chloride	91	19.338	19.336	(1.189)	1084218	4.08947	10.22
89 1,4-Dichlorobenzene	146	19.349	19.352	(1.189)	876071	3.88215	9.705
90 p-Cymene	119	19.397	19.401	(1.192)	1349781	4.09254	10.23
91 1,2-Dichlorobenzene	146	19.704	19.702	(1.211)	782117	3.87481	9.687
92 n-butylbenzene	91	19.817	19.820	(1.218)	1289037	3.90086	9.752
93 Undecane	57	20.107	20.105	(1.236)	934179	3.75336	9.383
94 Dodecane	57	21.178	21.181	(1.302)	822005	3.77720	9.443
95 1,2,4-Trichlorobenzene	180	21.425	21.423	(1.317)	432852	3.68689	9.217
96 Napthalene	128	21.571	21.574	(1.326)	929650	3.64445	9.111
97 Hexachlorobutadiene	225	21.770	21.768	(1.338)	440742	3.36983	8.424
98 1,2,3-trichlorobenzene	180	21.840	21.843	(1.343)	417157	3.35794	8.395

Data File: /var/chem/gcms/mj.i/J120610I.b/jicv106.d
 Report Date: 07-Dec-2010 11:19

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: mj.i
 Lab File ID: jicv106.d
 Lab Smp Id: ICV
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: 7126
 Method File: /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Misc Info: J120610I,TO15,1-all.sub,,,

Calibration Date: 06-DEC-2010
 Calibration Time: 17:19
 Client Smp ID: LCS
 Level: LOW
 Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	512063	304677	719449	538245	5.11
2 1,4-Difluorobenze	2445729	1455209	3436249	2220019	-9.23
3 Chlorobenzene-d5	2037986	1212602	2863370	1996375	-2.04

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	9.43	9.10	9.76	9.42	-0.07
2 1,4-Difluorobenze	11.60	11.27	11.93	11.60	-0.01
3 Chlorobenzene-d5	16.27	15.94	16.60	16.27	-0.01

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J120610I.b/jicv106.d

Report Date: 07-Dec-2010 11:19

TestAmerica Knoxville

RECOVERY REPORT

Client Name: Client SDG: J120610I
 Sample Matrix: GAS Fraction: OTHER
 Lab Smp Id: ICV Client Smp ID: LCS
 Level: LOW Operator: 7126
 Data Type: MS DATA SampleType: 2ND SOURCE
 SpikeList File: icv.spk Quant Type: ISTD
 Sublist File: 1-all.sub
 Method File: /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Misc Info: J120610I,TO15,1-all.sub,,,

SPIKE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
7 Chlorodifluorometh	10.00	9.163	91.63	65-135
8 Dichlorodifluorome	10.00	9.894	98.94	65-135
9 Propene	10.00	9.925	99.25	65-135
11 1,2-Dichlorotetra	10.00	10.32	103.24	65-135
10 Chloromethane	10.00	9.624	96.24	65-135
12 Methanol	10.00	6.552	65.53	65-135
13 Vinyl Chloride	10.00	9.531	95.31	65-135
14 n-Butane	10.00	9.371	93.71	65-135
15 1,3-Butadiene	10.00	8.884	88.84	65-135
16 Bromomethane	10.00	9.976	99.76	65-135
17 Chloroethane	10.00	10.04	100.35	65-135
18 Vinyl Bromide	10.00	9.910	99.10	65-135
19 2-methyl butane	10.00	9.537	95.37	65-135
20 Trichlorofluoromet	10.00	10.03	100.31	65-135
21 Acrolein	10.00	10.98	109.85	65-135
22 Acetonitrile	10.00	8.535	85.35	65-135
23 Acetone	10.00	7.322	73.22	65-135
24 Pentane	10.00	10.41	104.13	65-135
25 Isopropyl Alcohol	10.00	8.728	87.28	65-135
26 Ethyl Ether	10.00	9.838	98.38	65-135
27 1,1-Dichloroethene	10.00	8.736	87.36	65-135
29 Acrylonitrile	10.00	8.710	87.10	65-135
28 tert-butanol	10.00	9.511	95.11	65-135
30 1,1,2-Trichlorotri	10.00	8.791	87.91	65-135
31 Methylene Chloride	10.00	8.248	82.48	65-135
32 3-Chloropropene	10.00	9.119	91.19	65-135
33 Carbon Disulfide	10.00	10.05	100.46	65-135
34 trans-1,2-Dichloro	10.00	10.39	103.89	65-135
35 Methyl-t-Butyl Eth	10.00	9.476	94.77	65-135
36 1,1-Dichloroethane	10.00	9.147	91.47	65-135
37 Vinyl Acetate	10.00	8.762	87.62	65-135
39 2-Butanone	10.00	8.939	89.39	65-135
38 Hexane	10.00	9.546	95.46	65-135

Data File: /var/chem/gcms/mj.i/J120610I.b/jicv106.d

Report Date: 07-Dec-2010 11:19

SPIKE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
40 cis 1,2-Dichloroet	10.00	9.381	93.81	65-135
41 Ethyl acetate	10.00	9.460	94.60	65-135
42 Chloroform	10.00	8.769	87.69	65-135
43 Tetrahydrofuran	10.00	8.619	86.19	65-135
44 1,1,1-Trichloroeth	10.00	9.572	95.72	65-135
45 1,2-Dichloroethane	10.00	9.286	92.86	65-135
47 1-Butanol	10.00	9.965	99.65	65-135
46 Cyclohexane	10.00	10.77	107.68	65-135
48 Benzene	10.00	9.153	91.53	65-135
49 Carbon Tetrachlori	10.00	13.03	130.28	65-135
50 2,2,4-trimethylpen	10.00	9.906	99.06	65-135
51 Heptane	10.00	9.791	97.91	65-135
52 1,2-Dichloropropan	10.00	8.858	88.58	65-135
53 Trichloroethene	10.00	9.976	99.76	65-135
54 Dibromomethane	10.00	10.21	102.09	65-135
55 Bromodichlorometha	10.00	10.01	100.13	65-135
56 1,4-dioxane	10.00	9.567	95.67	65-135
57 methyl methacrylat	10.00	10.35	103.50	65-135
58 4-Methyl-2-pentano	10.00	10.29	102.91	65-135
59 cis-1,3-Dichloropr	10.00	9.854	98.54	65-135
60 trans-1,3-Dichloro	10.00	9.681	96.81	65-135
61 Toluene	10.00	8.740	87.40	65-135
62 1,1,2-Trichloroeth	10.00	9.593	95.93	65-135
63 2-Hexanone	10.00	10.53	105.34	65-135
64 Octane	10.00	9.796	97.96	65-135
65 Dibromochlorometha	10.00	10.61	106.07	65-135
66 1,2-Dibromoethane	10.00	9.565	95.65	65-135
67 Tetrachloroethene	10.00	9.432	94.32	65-135
68 Chlorobenzene	10.00	9.444	94.44	65-135
69 Ethylbenzene	10.00	9.392	93.92	65-135
70 m&p-Xylene	20.00	18.97	94.87	65-135
71 Nonane	10.00	10.31	103.13	65-135
72 Bromoform	10.00	11.41	114.10	65-135
73 Styrene	10.00	10.78	107.80	65-135
74 o-Xylene	10.00	9.240	92.40	65-135
75 1,1,2,2-Tetrachlor	10.00	9.771	97.71	65-135
76 1,2,3-Trichloropro	10.00	9.760	97.60	65-135
77 Cumene	10.00	9.467	94.67	65-135
78 n-Propylbenzene	10.00	10.05	100.53	65-135
79 2-chlorotoluene	10.00	10.06	100.63	65-135
80 4-Ethyltoluene	10.00	9.586	95.86	65-135
81 1,3,5-Trimethylben	10.00	9.830	98.30	65-135
82 Alpha-Methylstyren	10.00	10.78	107.81	65-135
83 Decane	10.00	9.827	98.27	65-135
84 1,2,4-Trimethylben	10.00	9.935	99.35	65-135
85 tert-butylbenzene	10.00	9.692	96.92	65-135
86 sec-butylbenzene	10.00	9.817	98.17	65-135

Data File: /var/chem/gcms/mj.i/J120610I.b/jicv106.d

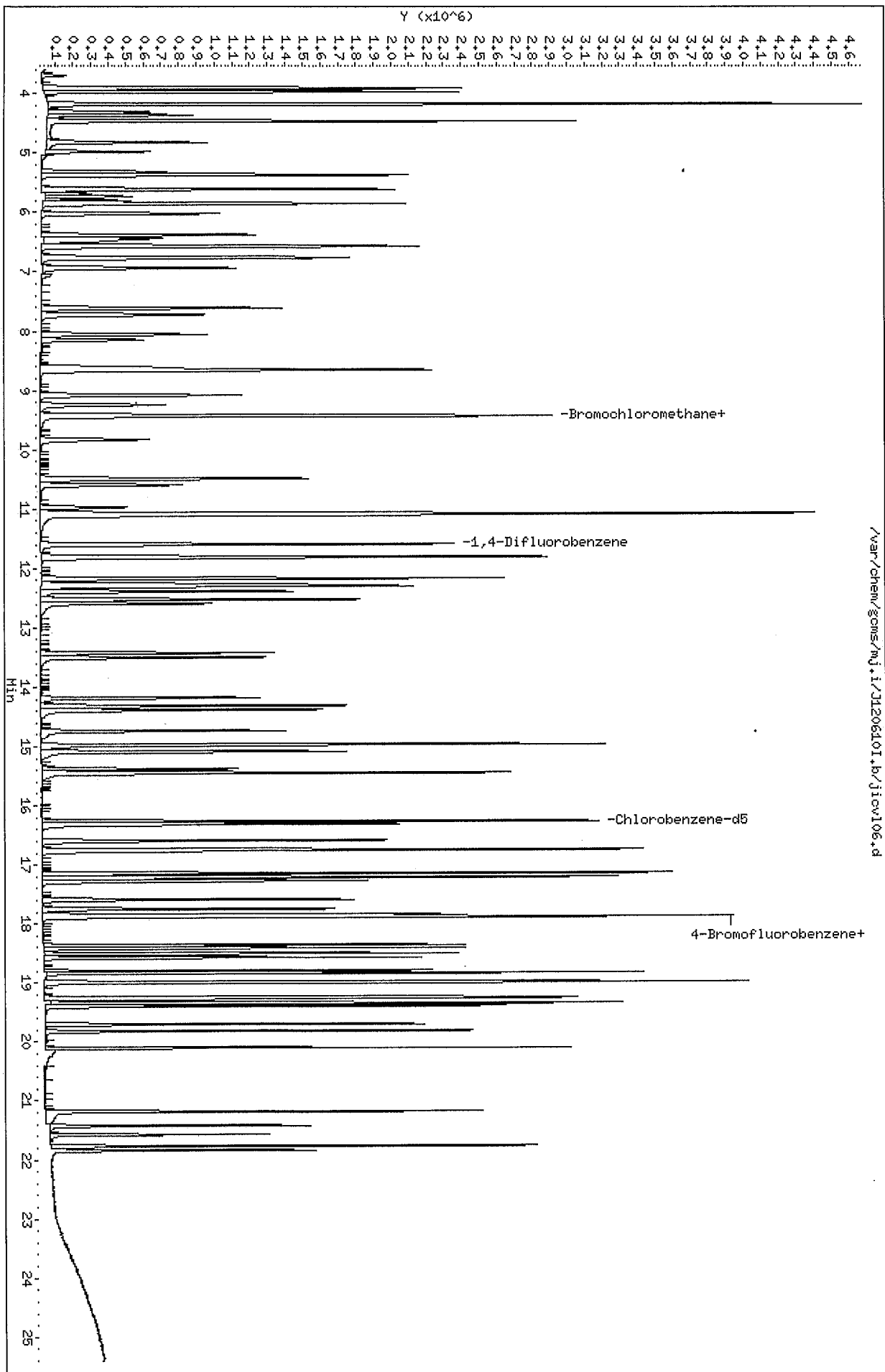
Report Date: 07-Dec-2010 11:19

SPIKE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
87 1,3-Dichlorobenzen	10.00	9.844	98.44	65-135
89 1,4-Dichlorobenzen	10.00	9.705	97.05	65-135
88 Benzyl Chloride	10.00	10.22	102.24	65-135
90 p-Cymene	10.00	10.23	102.31	65-135
91 1,2-Dichlorobenzen	10.00	9.687	96.87	65-135
92 n-butylbenzene	10.00	9.752	97.52	65-135
93 Undecane	10.00	9.383	93.83	65-135
94 Dodecane	10.00	9.443	94.43	65-135
95 1,2,4-Trichloroben	10.00	9.217	92.17	65-135
96 Napthalene	10.00	9.111	91.11	65-135
97 Hexachlorobutadien	10.00	8.424	84.25	65-135
98 1,2,3-trichloroben	10.00	8.395	83.95	65-135

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
\$ 6 4-Bromofluorobenze	10.00	9.969	99.69	70-130

Data File: /var/chem/gcms/mj.i/J1206101.b/jicv106.d
Date : 06-DEC-2010 21:44
Client ID: LCS
Sample Info: ICV,,3,,LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J120610I.b/j1ptl06.d
 Report Date: 07-Dec-2010 10:49

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J120610I.b/j1ptl06.d
 Lab Smp Id: 1ptcal Client Smp ID: 1ptcal
 Inj Date : 06-DEC-2010 23:27
 Operator : 7126 Inst ID: mj.i
 Smp Info : 1ptcal,,3,6,,1ptcal
 Misc Info : J120610I,1ptcal,1ptcala.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J120610I.b/TO15.m
 Meth Date : 07-Dec-2010 10:49 tajh Quant Type: ISTD
 Cal Date : 06-DEC-2010 23:27 Cal File: j1ptl06.d
 Als bottle: 17 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1ptcala.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	=====	128	9.427	9.427	(1.000)	533005	4.00000	4.000
* 2 1,4-Difluorobenzene	=====	114	11.595	11.595	(1.000)	2676984	4.00000	4.000
* 3 Chlorobenzene-d5	=====	117	16.264	16.264	(1.000)	2182159	4.00000	4.000
99 ~ Thiophene	=====	84	11.347	11.347	(0.979)	18608	0.08000	0.08000 (A)
100 ~ 1,2,3- Trimethylbenzene	=====	105	19.454	19.454	(1.196)	8975	0.08000	0.08000 (A)
101 ~ Indane	=====	117	19.702	19.702	(1.211)	12598	0.08000	0.08000 (A)
102 ~ Indene	=====	116	19.831	19.831	(1.219)	6505	0.08000	0.08000 (A)
103 ~ 2-Methylnaphthalene	=====	142	22.483	22.483	(1.382)	109286	1.00000	1.000 (A)
104 ~ 1-Methylnaphthalene	=====	142	22.617	22.617	(1.391)	121784	1.00000	1.000 (A)
164 ~ methyl cyclohexane	=====	83	13.063	13.063	(1.127)	21479	0.08000	0.08000 (A)
165 ~ acetaldehyde	=====	44	4.343	4.343	(0.461)	37981	0.38000	0.3800 (A)
166 ~ ethanol	=====	31	5.064	5.064	(0.537)	45584	0.39000	0.3900 (A)
167 ~ 2,3-dimethylpentane	=====	56	11.181	11.181	(0.964)	27312	0.08000	0.08000 (A)
168 ~ 2-methyl thiophene	=====	97	14.473	14.473	(0.890)	19971	0.08000	0.08000 (A)
169 ~ 3-methyl thiophene	=====	97	14.666	14.666	(0.902)	20080	0.08000	0.08000 (A)

Data File: /var/chem/gcms/mj.i/J120610I.b/j1pt106.d
 Report Date: 07-Dec-2010 10:49

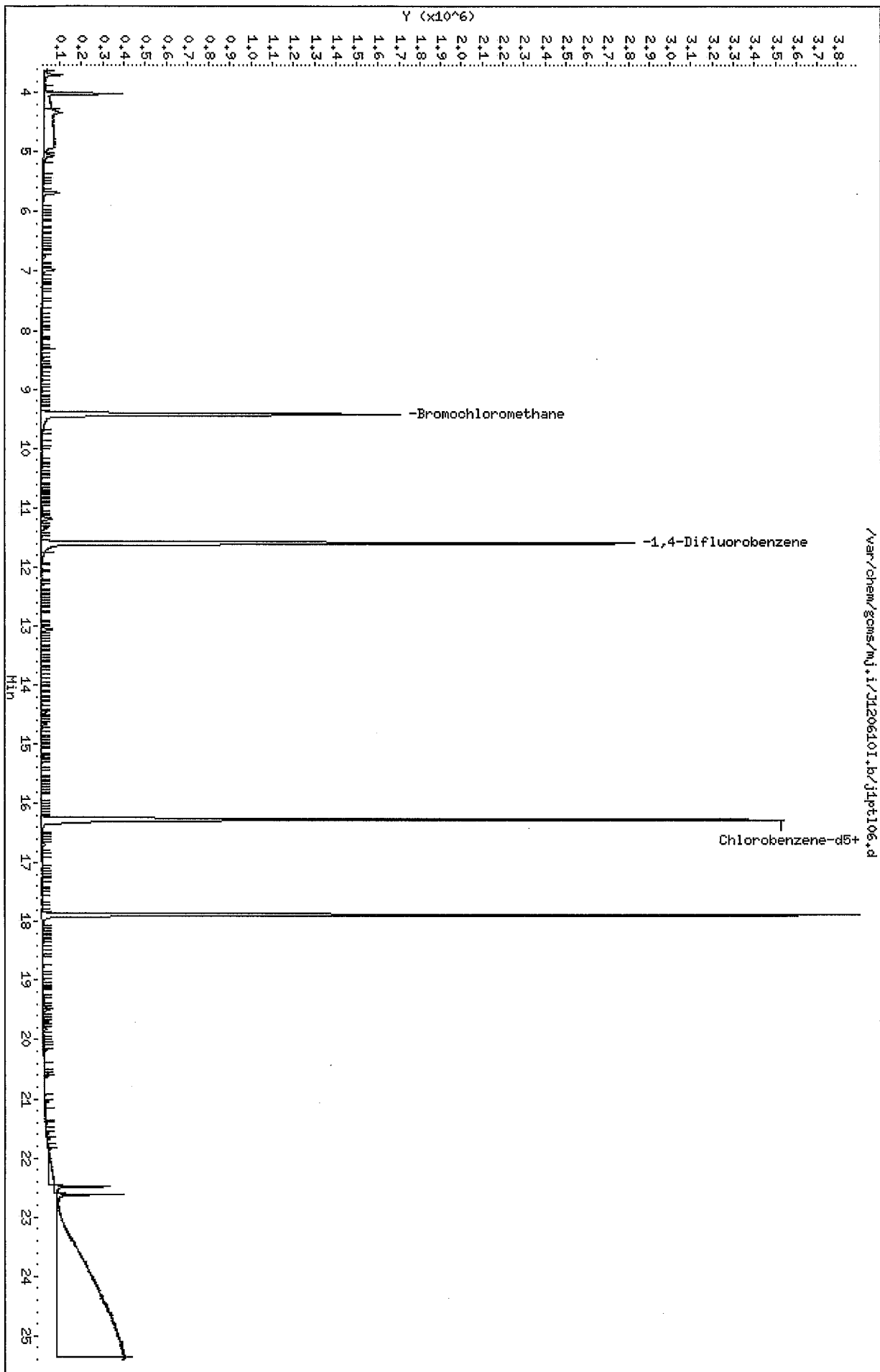
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
170 ~ 2,3-dimethylheptane	43	16.307	16.307	(1.003)	35069	0.08000	0.08000 (A)
171 ~ 2-ethyl thiophene	97	16.695	16.695	(1.026)	14407	0.08000	0.08000 (A)
172 ~ n-butylcyclohexane	83	19.503	19.503	(1.199)	10126	0.08000	0.08000 (A)
173 ~ 1,2-dimethyl-4-ethylenzene	119	20.180	20.180	(1.241)	11034	0.08000	0.08000 (A)
174 ~ 1,2,4,5-tetramethylbenzene	119	20.568	20.568	(1.265)	11116	0.08000	0.08000 (A)
175 ~ 1,2,3,5-tetramethylbenzene	119	20.622	20.622	(1.268)	11528	0.08000	0.08000 (A)
176 ~ 1,2,3,4-tetramethylbenzene	119	21.041	21.041	(1.294)	10540	0.08000	0.08000 (A)
177 ~ benzo(b) thiophene	134	21.681	21.681	(1.333)	9231	0.08000	0.08000 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount
 exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/J1206101.b/j1pt106.d
Date : 06-DEC-2010 23:27
Client ID: 1ptcal
Sample Info: 1ptcal, 3,6,,1ptcal
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 11 & KNOX-MS-0023, Rev 0

Analysis Date: 1/10/11	CCAL Batch/ Scan Name: J011011	Instrument: MJ	ICAL Batch/ Scan Name: J0120601	Scanned ☒
------------------------	--------------------------------	----------------	---------------------------------	---

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd														
1. Did BFB meet tune criteria?		☒		☐ failed for TO-14A, but passes for TO-15	☒														
2. Were all standards injected within 24 hr of BFB?		☒			☒														
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		☒			☒														
4. Was date/time of analysis in logbook correct?		☒			☒														
5. Was the CCAL compared to the correct ICAL (date & time on CCAL matches the ICAL)		☒			☒														
6. Is the %D $\leq$ 30% for all target analytes? (Narrative req'd.).		☒		☐ [ccal] analytes > 30% but passes LCS criteria.	☒														
7. Have all peaks been auto identified? If not, list:		☒			☒														
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	☒			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailg; 4)RT shift; 5)wrong peak selected; 6)other	NA														
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?		☒			NA														
10. Is the first IS documented correctly on the log?		☒			☒														
11. Elution order checked on isomeric pairs?		☒			☒														
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		☒			☒														
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		☒			☒														
• vinyl acetate / hexane		☒			☒														
• cis- and trans- isomers		☒			☒														
• ethyl benzene / m/p-xylene / o-xylene		☒			☒														
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		☒			☒														
• tert-butylbenzene/p-cymene		☒			☒														
• 1,2,4-trimethylbenzene/sec-butylbenzene		☒			☒														
• 1,3-, 1,4-, and 1,2-dichlorobenzene		☒			☒														
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		☒			☒														
12. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%). Note: Ohio does not allow for ME.		☒		☐ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits ☐ [lcs5] LCS outside marginal exceedences high, but analytes were not detected <i>N-butane = -35%</i>	☒														
<table border="1"> <tr> <th>Number of target analytes in LCS</th> <th># marginal exceedences of LCS control limits allowed</th> </tr> <tr> <td>>90</td> <td>5</td> </tr> <tr> <td>71 - 90</td> <td>4</td> </tr> <tr> <td>51 - 70</td> <td>3</td> </tr> <tr> <td>31 - 50</td> <td>2</td> </tr> <tr> <td>11 - 30</td> <td>1</td> </tr> <tr> <td><11</td> <td>0</td> </tr> </table>	Number of target analytes in LCS	# marginal exceedences of LCS control limits allowed	>90	5	71 - 90	4	51 - 70	3	31 - 50	2	11 - 30	1	<11	0		☒			☒
Number of target analytes in LCS	# marginal exceedences of LCS control limits allowed																		
>90	5																		
71 - 90	4																		
51 - 70	3																		
31 - 50	2																		
11 - 30	1																		
<11	0																		
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	☒				NA														
14. Does the CCAL folder contain complete data in the following order: data review checklist, a complete runlog, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations.		☒			☒														

Analyst: <i>NA</i>	Date: 1/10/11	2nd Level Reviewer: <i>AB</i>	Date: 1/11/11
Comments:		Comments:	

TestAmerica Laboratories, Inc. - Knoxville

95

CANISTER RUN LOG

GCMS Analysis: AIR

Analyst: ABQtimes Batch: 1010217

(MC710)

Inst: MJ

1010218 (MC711)

Date: 1/10/11ICAL Batch: J120610

AB 1/10/11

Target Batch: J011011IS #1 Area: 322813Surr/IS ID & Vol.: 40mL V320 System Date/Time ok (y/n): Y

1010237

Preventive Maintenance Performed ☒ Daily

AB 1/11/11

1010238 (MC715)

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1021	✓	Tune	JBSBAID	—	16	100	1	
1050	✓	CLR	JCLVAID	CX-2153	15	↓	↓	1/10/11 n-bud. f352
1050	✓	LES	JLCSAID	↓	↓	↓	↓	
1207	✓	2PT	J2PTAID	CX-2164	51A	40	1	
1258	✓	BIK	JBIKAID	—	16	500	1	
1351	✓	HOL220527	MCPL9ZAC	6123	1	10	1	10 (tce)
1442	✓	↓	↓ IAD	↓	1	10	1	
1533	✓	H1A050479	MC2RQ1AA	12337	2	50	↓	nysdec RR 500mL
1626	✓	↓	↓ RT	6576	3	↓	↓	↓
1717	✓	↓	↓ RW	7484	4	↓	↓	↓
1809	✓	↓	↓ RX	6606	5	500	↓	500mL
1900	RR org	H1A040464	MC1JC	4497N	6	20	2.93	bechtel 29.3
1951	RR org	↓	↓ JF	93132	7	10	1	(10)
2042	RR org	↓	↓ JG	93212	8	202	↓	22mL AB 1/11/11 1/11/11
2133	✓	H1A060402	MC3GX	12460	9	455	6.86	to 14nj 55 (25) 30.5
2224	(E)	HOL290507	MCWAA	1529	10	40	1	mactec (E) tce RR 20m
2314	✓	↓	↓ WAAD	↓	10	↓	↓	
0007	✓	↓	↓ V921AA	6378	11	↓	↓	
0057	✓ (E)	↓	↓ V96	6371	12	↓	↓	(E) to 1/8 pcc RR 10mL
0148	✓	↓	↓ V97	12406	13	↓	↓	
0240	✓	H1A070453	MC49T	02643	14	200	↓	to 14nj
0331	✓	↓	↓ 92	93170	15	↓	↓	
0421	✓	↓	↓ 95	S1551	1	↓	↓	
0751	✓	HOL290421	MCVQ3	0163	5	79	7.91	cleaner
0512	✓	H1A050479	MC2RQR	12337	2	500	1	
0604	✓	↓	↓ RT	6576	3	↓	↓	
0700	✓	↓	↓ RW	7484	4	↓	↓	
0843	F	BLK 60904	62276	→	16	↓	↓	
0935	F	↓	0151	→	STD	↓	↓	

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calculations.

Analyst: ABDate: 1/11/11

MS027r16.DOC, 051210

Entech Autosampler Log

Position	Volume	Date	Time
16	101	1/10/2011	10:21
15	101	1/10/2011	10:50
15	0 40(Std)	1/10/2011	12:07
16	500	1/10/2011	12:58
1	10	1/10/2011	13:51
1	10	1/10/2011	14:42
2	50	1/10/2011	15:33
3	50	1/10/2011	16:26
4	50	1/10/2011	17:17
5	500	1/10/2011	18:09
6	21	1/10/2011	19:00
7	10	1/10/2011	19:51
8	22	1/10/2011	20:42
9	56	1/10/2011	21:33
10	40	1/10/2011	22:24
10	40	1/10/2011	23:14
11	40	1/11/2011	0:06
12	40	1/11/2011	0:57
13	40	1/11/2011	1:48
14	200	1/11/2011	2:40
15	201	1/11/2011	3:31
1	201	1/11/2011	4:21
2	500	1/11/2011	5:12
3	500	1/11/2011	6:04
4	500	1/11/2011	7:00
5	80	1/11/2011	7:51

Position	Volume	Date	Time
16	500	1/11/2011	8:43
16	0 500(Std)	1/11/2011	9:35

Data File: /chem/gcms/mj.1/J011011.b/jbfbai0.d

Date : 10-JAN-2011 10:21

Client ID: BFB

Instrument: mj.1

Sample Info: BFB,,3,,,BFB

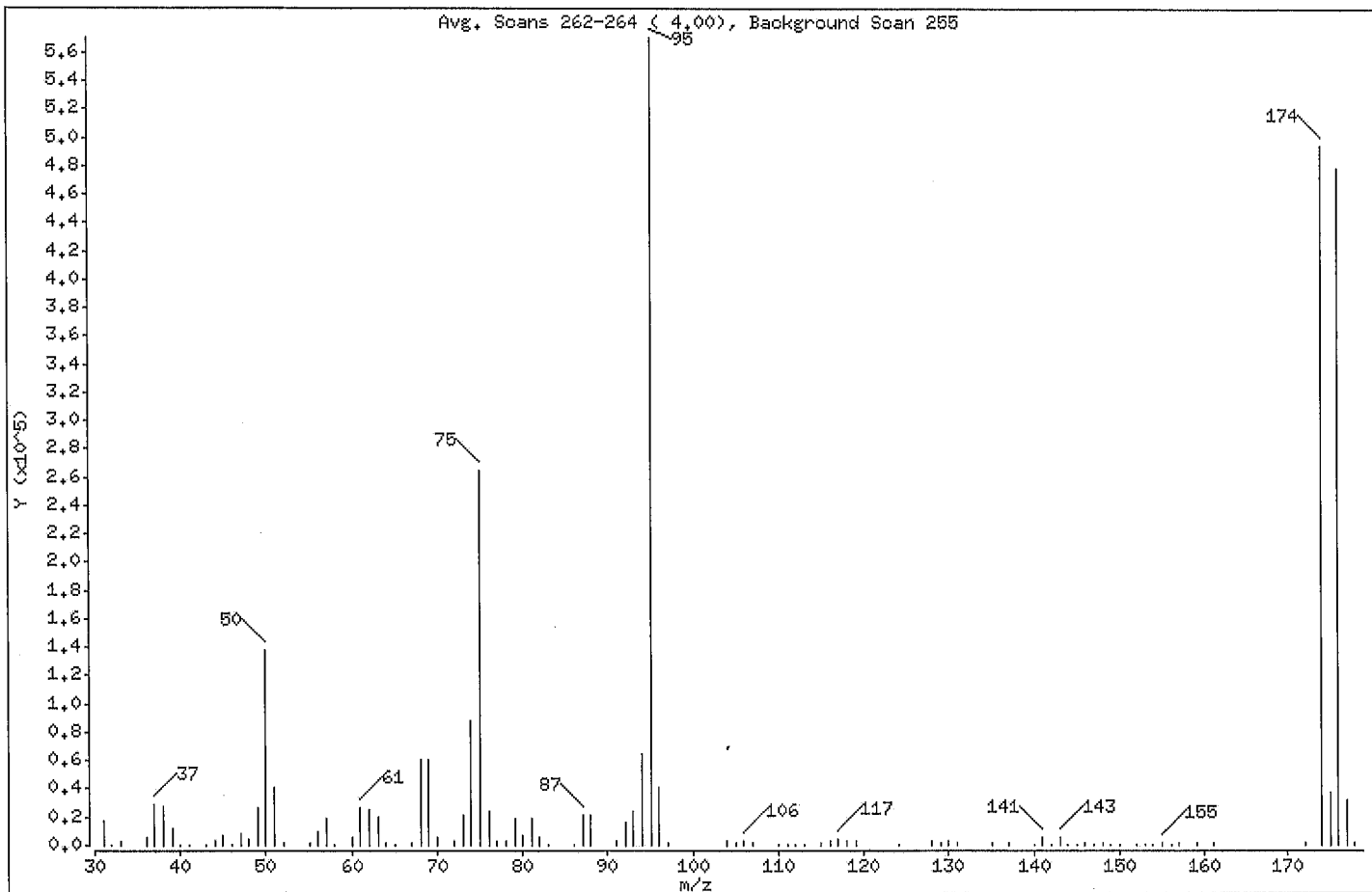
Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32

1 BFB

Avg. Scans 262-264 (< 4.00), Background Scan 255



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.17
75	30.00 - 60.00% of mass 95	46.36
96	5.00 - 9.00% of mass 95	7.13
173	Less than 2.00% of mass 174	0.00 (< 0.00)
174	50.00 - 120.00% of mass 95	86.76
175	5.00 - 9.00% of mass 174	6.42 (< 7.40)
176	95.00 - 101.00% of mass 174	83.90 (< 96.71)
177	5.00 - 9.00% of mass 176	5.62 (< 6.70)

Data File: /chem/goms/mj.i/J011011.b/jbfba10.d

Date : 10-JAN-2011 10:21

Client ID: BFB

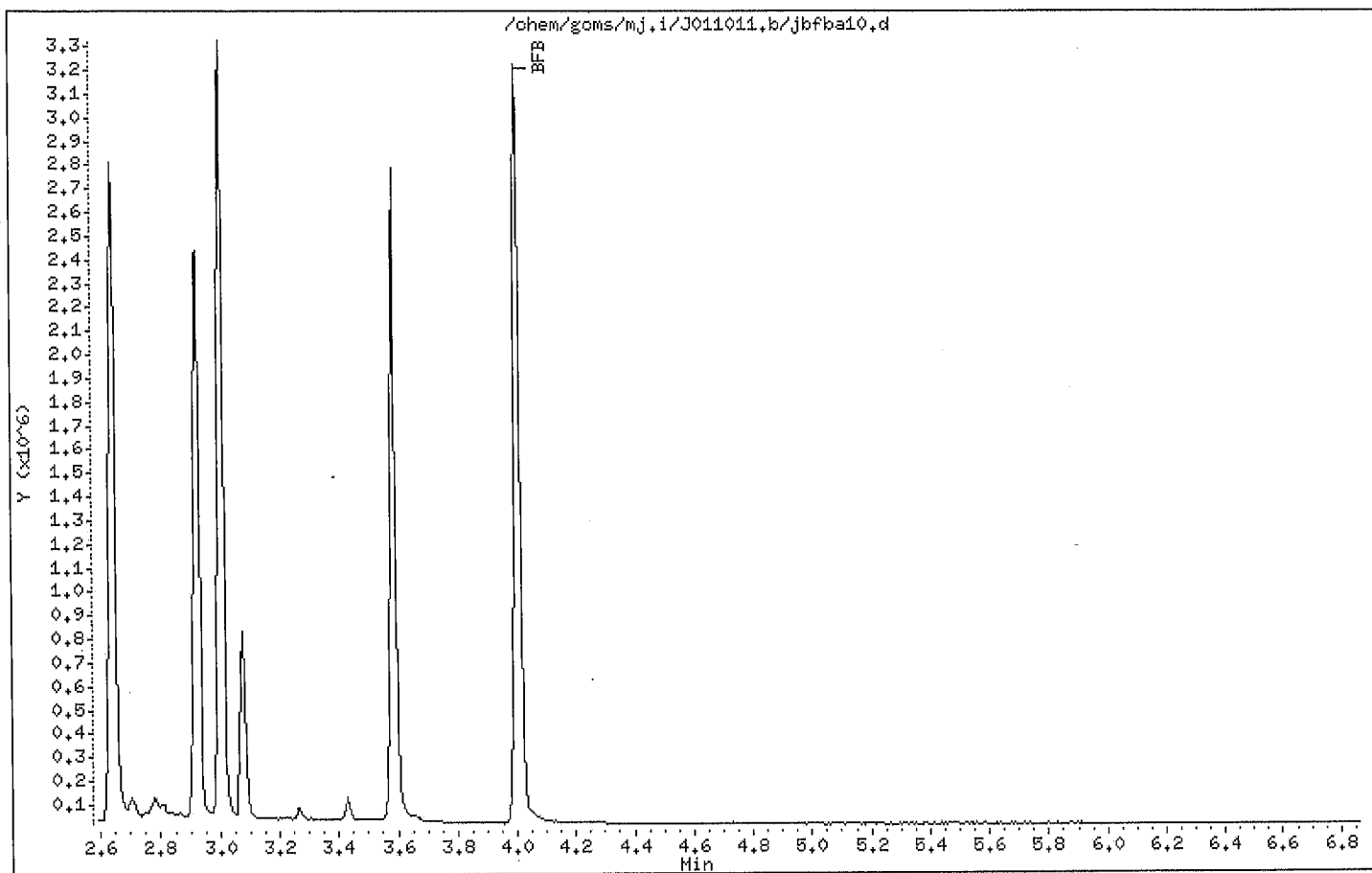
Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 22980

Column phase: Rtx-5

Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J011011.b/jccva10.d

Report Date: 11-Jan-2011 12:02

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i Injection Date: 10-JAN-2011 10:50
 Lab File ID: jccva10.d Init. Cal. Date(s): 06-DEC-2010 10-JAN-2011
 Analysis Type: AIR Init. Cal. Times: 12:56 12:07
 Lab Sample ID: CCV Quant Type: ISTD
 Method: /var/chem/gcms/mj.i/J011011.b/TO15.m

COMPOUND	RRF / AMOUNT	RF2	MIN	RRF	%D / %DRIFT	MAX	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 6 4-Bromofluorobenzene	0.70079	0.73478	0.000	-4.84902	30.00000	Averaged		
7 Chlorodifluoromethane	0.44678	0.48113	0.000	-7.68972	30.00000	Averaged		
9 Propene	1.57248	1.94388	0.000	-23.61841	30.00000	Averaged		
8 Dichlorodifluoromethane	3.97450	4.61400	0.000	-16.08990	30.00000	Averaged		
10 Chloromethane	0.61374	0.79364	0.000	-29.31269	30.00000	Averaged		
11 1,2-Dichlorotetrafluoroetha	2.59502	3.17527	0.000	-22.36028	30.00000	Averaged		
12 Methanol	1.99004	0.40115	0.000	79.84185	30.00000	Averaged	<- NA	
13 Vinyl Chloride	1.73425	2.12145	0.000	-22.32679	30.00000	Averaged		
14 n-Butane	2.88391	3.88722	0.000	-34.78984	30.00000	Averaged	<- 60-140	
15 1,3-Butadiene	1.46806	1.79610	0.000	-22.34484	30.00000	Averaged		
16 Bromomethane	1.32483	1.54584	0.000	-16.68151	30.00000	Averaged		
17 Chloroethane	0.70976	0.80453	0.000	-13.35278	30.00000	Averaged		
18 Vinyl Bromide	1.16303	1.30494	0.000	-12.20215	30.00000	Averaged		
19 2-methyl butane	2.12195	2.45284	0.000	-15.59373	30.00000	Averaged		
20 Trichlorofluoromethane	3.15536	3.44242	0.000	-9.09747	30.00000	Averaged		
21 Acrolein	0.31590	0.28945	0.000	8.37385	30.00000	Averaged		
22 Acetonitrile	0.42995	0.36271	0.000	15.63916	30.00000	Averaged		
23 Acetone	1.90215	1.41116	0.000	25.81234	30.00000	Averaged		
24 Pentane	0.19414	0.21592	0.000	-11.21845	30.00000	Averaged		
25 Isopropyl alcohol	1.48127	1.45746	0.000	1.60724	30.00000	Averaged		
26 Ethyl Ether	1.45992	1.61124	0.000	-10.36457	30.00000	Averaged		
27 1,1-Dichloroethene	1.15720	1.28277	0.000	-10.85124	30.00000	Averaged		
29 Acrylonitrile	0.71194	0.61713	0.000	13.31756	30.00000	Averaged		
28 tert-butanol	1.61439	1.54735	0.000	4.15221	30.00000	Averaged		
30 1,1,2-Trichlorotrifluoroeth	2.50888	2.79885	0.000	-11.55773	30.00000	Averaged		
31 Methylene Chloride	1.14753	1.17933	0.000	-2.77091	30.00000	Averaged		
32 3-Chloropropene	1.18315	1.38108	0.000	-16.72976	30.00000	Averaged		
33 Carbon Disulfide	3.35236	3.82898	0.000	-14.21732	30.00000	Averaged		
34 trans-1,2-Dichloroethene	1.12885	1.23608	0.000	-9.49870	30.00000	Averaged		
35 Methyl-t-Butyl Ether	2.06917	1.78105	0.000	13.92450	30.00000	Averaged		
36 1,1-Dichloroethane	2.54456	2.87594	0.000	-13.02306	30.00000	Averaged		
37 Vinyl Acetate	2.45458	2.07114	0.000	15.62161	30.00000	Averaged		
38 Hexane	1.25868	1.37254	0.000	-9.04566	30.00000	Averaged		
39 2-Butanone	0.37608	0.31689	0.000	15.73893	30.00000	Averaged		
40 cis 1,2-Dichloroethene	1.18045	1.30500	0.000	-10.55104	30.00000	Averaged		
41 Ethyl acetate	2.13494	1.94391	0.000	8.94814	30.00000	Averaged		

Data File: /var/chem/gcms/mj.i/J011011.b/jccva10.d

Report Date: 11-Jan-2011 12:02

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i Injection Date: 10-JAN-2011 10:50
 Lab File ID: jccva10.d Init. Cal. Date(s): 06-DEC-2010 10-JAN-2011
 Analysis Type: AIR Init. Cal. Times: 12:56 12:07
 Lab Sample ID: CCV Quant Type: ISTD
 Method: /var/chem/gcms/mj.i/J011011.b/TO15.m

COMPOUND	RRF / AMOUNT	RF2	MIN	RRF	%D / %DRIFT	MAX	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====	=====	=====
42 Chloroform	2.50645	2.74304	0.000	-9.43935	30.00000	Averaged		
43 Tetrahydrofuran	1.25761	1.09491	0.000	12.93736	30.00000	Averaged		
44 1,1,1-Trichloroethane	2.41319	2.73729	0.000	-13.43023	30.00000	Averaged		
45 1,2-Dichloroethane	0.38542	0.38998	0.000	-1.18242	30.00000	Averaged		
46 Cyclohexane	0.13547	0.14001	0.000	-3.35108	30.00000	Averaged		
48 Benzene	0.77047	0.78376	0.000	-1.72489	30.00000	Averaged		
47 1-Butanol	0.10049	0.09730	0.000	3.17826	30.00000	Averaged		
49 Carbon Tetrachloride	0.43235	0.51942	0.000	-20.13837	30.00000	Averaged		
50 2,2,4-trimethylpentane	1.49293	1.56038	0.000	-4.51798	30.00000	Averaged		
51 Heptane	0.26928	0.25837	0.000	4.05456	30.00000	Averaged		
52 1,2-Dichloropropane	0.30819	0.28578	0.000	7.27261	30.00000	Averaged		
53 Trichloroethene	0.33032	0.33727	0.000	-2.10300	30.00000	Averaged		
54 Dibromomethane	0.31466	0.31034	0.000	1.37064	30.00000	Averaged		
55 Bromodichloromethane	0.51888	0.51587	0.000	0.58072	30.00000	Averaged		
56 1,4-dioxane	0.06873	0.05953	0.000	13.38449	30.00000	Averaged		
57 Methyl Methacrylate	0.27384	0.22130	0.000	19.18715	30.00000	Averaged		
58 4-Methyl-2-pentanone	0.55315	0.51093	0.000	7.63259	30.00000	Averaged		
59 cis-1,3-Dichloropropene	0.35420	0.32838	0.000	7.29017	30.00000	Averaged		
60 trans-1,3-Dichloropropene	0.37004	0.34716	0.000	6.18334	30.00000	Averaged		
61 Toluene	0.83153	0.73189	0.000	11.98328	30.00000	Averaged		
62 1,1,2-Trichloroethane	0.29022	0.27024	0.000	6.88337	30.00000	Averaged		
63 2-Hexanone	0.26110	0.24015	0.000	8.02555	30.00000	Averaged		
64 Octane	0.27154	0.25734	0.000	5.22857	30.00000	Averaged		
65 Dibromochloromethane	0.48794	0.49409	0.000	-1.25928	30.00000	Averaged		
66 1,2-Dibromoethane	0.46408	0.42469	0.000	8.48771	30.00000	Averaged		
67 Tetrachloroethene	0.33841	0.32348	0.000	4.41229	30.00000	Averaged		
68 Chlorobenzene	0.61864	0.56433	0.000	8.78007	30.00000	Averaged		
69 Ethylbenzene	0.88662	0.77390	0.000	12.71410	30.00000	Averaged		
70 m&p-Xylene	0.66942	0.56622	0.000	15.41540	30.00000	Averaged		
M 178 Xylene (total)	0.70263	0.56904	0.000	19.01380	25.00000	Averaged		
71 Nonane	0.61338	0.63323	0.000	-3.23486	30.00000	Averaged		
72 Bromoform	0.36434	0.39230	0.000	-7.67514	30.00000	Averaged		
73 Styrene	0.44883	0.39594	0.000	11.78301	30.00000	Averaged		
74 o-Xylene	0.68890	0.57466	0.000	16.58206	30.00000	Averaged		
75 1,1,2,2-Tetrachloroethane	0.53222	0.49265	0.000	7.43403	30.00000	Averaged		

Data File: /var/chem/gcms/mj.i/J011011.b/jccva10.d

Report Date: 11-Jan-2011 12:02

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i Injection Date: 10-JAN-2011 10:50
 Lab File ID: jccva10.d Init. Cal. Date(s): 06-DEC-2010 10-JAN-2011
 Analysis Type: AIR Init. Cal. Times: 12:56 12:07
 Lab Sample ID: CCV Quant Type: ISTD
 Method: /var/chem/gcms/mj.i/J011011.b/TO15.m

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	MAX %D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====
76 1,2,3-Trichloropropane	0.12349	0.10235	0.000	17.11956	Averaged
77 Cumene	0.86130	0.72130	0.000	16.25448	Averaged
78 n-Propylbenzene	0.22409	0.18477	0.000	17.54608	Averaged
79 2-chlorotoluene	0.23952	0.22544	0.000	5.87516	Averaged
80 4-Ethyltoluene	0.79097	0.65123	0.000	17.66687	Averaged
81 1,3,5-Trimethylbenzene	0.31267	0.25401	0.000	18.76247	Averaged
82 Alpha-Methylstyrene	0.29303	0.24366	0.000	16.84691	Averaged
83 Decane	0.58588	0.47108	0.000	19.59444	Averaged
85 tert-butylbenzene	0.68676	0.56694	0.000	17.44805	Averaged
84 1,2,4-Trimethylbenzene	0.59570	0.52434	0.000	11.97934	Averaged
86 sec-butylbenzene	0.90277	0.79440	0.000	12.00429	Averaged
87 1,3-Dichlorobenzene	0.46041	0.40649	0.000	11.71105	Averaged
88 Benzyl Chloride	0.53121	0.46794	0.000	11.91138	Averaged
89 1,4-Dichlorobenzene	0.45215	0.39157	0.000	13.39928	Averaged
90 p-Cymene	0.66083	0.57140	0.000	13.53230	Averaged
91 1,2-Dichlorobenzene	0.40443	0.34828	0.000	13.88192	Averaged
92 n-butylbenzene	0.66210	0.57230	0.000	13.56246	Averaged
93 Undecane	0.49869	0.37539	0.000	24.72355	Averaged
94 Dodecane	0.43604	0.40033	0.000	8.18900	Averaged
95 1,2,4-Trichlorobenzene	0.23523	0.20081	0.000	14.63413	Averaged
96 Napthalene	0.51110	0.49813	0.000	2.53699	Averaged
97 Hexachlorobutadiene	0.26206	0.20651	0.000	21.19495	Averaged
98 1,2,3-trichlorobenzene	0.24891	0.22455	0.000	9.78704	Averaged

Data File: /var/chem/gcms/mj.i/J011011.b/jccva10.d
 Report Date: 11-Jan-2011 12:02

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J011011.b/jccva10.d
 Lab Smp Id: CCV Client Smp ID: CCV/LCS
 Inj Date : 10-JAN-2011 10:50
 Operator : 22980 Inst ID: mj.i
 Smp Info : CCV,,2,6,,CCV/LCS
 Misc Info : J011011,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J011011.b/TO15.m
 Meth Date : 11-Jan-2011 12:02 barlozha Quant Type: ISTD
 Cal Date : 10-JAN-2011 12:07 Cal File: j1pta10.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1-all.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

		QUANT SIG					AMOUNTS	
Compounds	MASS	RT	EXP RT	REL RT	RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
* 1 Bromochloromethane	128	9.404	9.404	(1.000)		322813	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.577	11.577	(1.000)		1506919	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.247	16.247	(1.000)		1266542	4.00000	4.000
\$ 6 4-Bromofluorobenzene	95	17.866	17.866	(1.100)		930625	4.00000	4.194
7 Chlorodifluoromethane	67	3.901	3.901	(0.415)		77658	2.00000	2.154
9 Propene	41	3.912	3.912	(0.416)		313755	2.00000	2.472
8 Dichlorodifluoromethane	85	3.971	3.971	(0.422)		744729	2.00000	2.322
10 Chloromethane	52	4.175	4.175	(0.444)		128099	2.00000	2.586
11 1,2-Dichlorotetrafluoroethane	135	4.181	4.181	(0.445)		512509	2.00000	2.447
13 Vinyl Chloride	62	4.364	4.364	(0.464)		342416	2.00000	2.446
14 n-Butane	43	4.460	4.460	(0.474)		627422	2.00000	2.696
15 1,3-Butadiene	54	4.460	4.460	(0.474)		289902	2.00000	2.447
16 Bromomethane	94	4.821	4.821	(0.513)		249508	2.00000	2.334
17 Chloroethane	64	4.977	4.977	(0.529)		129857	2.00000	2.267
18 Vinyl Bromide	106	5.310	5.310	(0.565)		210626	2.00000	2.244

Data File: /var/chem/gcms/mj.i/J011011.b/jccva10.d

Report Date: 11-Jan-2011 12:02

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
19 2-methyl butane	43	5.364	5.364	(0.570)	395905	2.00000	2.312
20 Trichlorofluoromethane	101	5.606	5.606	(0.596)	555629	2.00000	2.182
21 Acrolein	56	5.606	5.606	(0.596)	46719	2.00000	1.832
22 Acetonitrile	40	5.682	5.682	(0.604)	58543	2.00000	1.687
23 Acetone	43	5.730	5.730	(0.609)	227771	2.00000	1.484
24 Pentane	72	5.843	5.843	(0.621)	34851	2.00000	2.224
25 Isopropyl Alcohol	45	5.800	5.800	(0.617)	235244	2.00000	1.968
26 Ethyl Ether	31	6.015	6.015	(0.640)	260064	2.00000	2.207
27 1,1-Dichloroethene	96	6.370	6.370	(0.677)	207048	2.00000	2.217
29 Acrylonitrile	53	6.467	6.467	(0.688)	99609	2.00000	1.734
28 tert-butanol	59	6.435	6.435	(0.684)	249753	2.00000	1.917
30 1,1,2-Trichlorotrifluoroethane	101	6.558	6.558	(0.697)	451752	2.00000	2.231
31 Methylene Chloride	84	6.736	6.736	(0.716)	190351	2.00000	2.055
32 3-Chloropropene	39	6.757	6.757	(0.719)	222916	2.00000	2.334
33 Carbon Disulfide	76	6.924	6.924	(0.736)	618022	2.00000	2.284
34 trans-1,2-Dichloroethene	96	7.597	7.597	(0.808)	199511	2.00000	2.190
35 Methyl-t-Butyl Ether	73	7.715	7.715	(0.820)	287473	2.00000	1.722
36 1,1-Dichloroethane	63	8.038	8.038	(0.855)	464195	2.00000	2.260
37 Vinyl Acetate	43	8.135	8.135	(0.865)	334295	2.00000	1.688
38 Hexane	56	8.635	8.635	(0.918)	221537	2.00000	2.181
39 2-Butanone	72	8.592	8.592	(0.914)	51148	2.00000	1.685
40 cis 1,2-Dichloroethene	96	9.060	9.060	(0.963)	210636	2.00000	2.211
41 Ethyl acetate	43	9.227	9.227	(0.981)	313759	2.00000	1.821
42 Chloroform	83	9.410	9.410	(1.001)	442745	2.00000	2.189
43 Tetrahydrofuran	42	9.813	9.813	(1.043)	176725	2.00000	1.741
44 1,1,1-Trichloroethane	97	10.469	10.469	(1.113)	441816	2.00000	2.269
45 1,2-Dichloroethane	62	10.572	10.572	(0.913)	293832	2.00000	2.024
46 Cyclohexane	69	11.061	11.061	(0.955)	105494	2.00000	2.067
48 Benzene	78	11.056	11.056	(0.955)	590531	2.00000	2.034
47 1-Butanol	31	10.959	10.959	(0.947)	73312	2.00000	1.936
49 Carbon Tetrachloride	117	11.083	11.083	(0.957)	391363	2.00000	2.403
50 2,2,4-trimethylpentane	57	11.793	11.793	(1.019)	1175686	2.00000	2.090
51 Heptane	71	12.153	12.153	(1.050)	194668	2.00000	1.919
52 1,2-Dichloropropane	63	12.245	12.245	(1.058)	215321	2.00000	1.854
53 Trichloroethene	130	12.282	12.282	(1.061)	254119	2.00000	2.042
54 Dibromomethane	93	12.368	12.368	(1.068)	233832	2.00000	1.972
55 Bromodichloromethane	83	12.503	12.503	(1.080)	388686	2.00000	1.988
56 1,4-dioxane	88	12.503	12.503	(1.080)	44853	2.00000	1.732
57 methyl methacrylate	41	12.578	12.578	(1.086)	166740	2.00000	1.616
58 4-Methyl-2-pentanone	43	13.412	13.412	(1.158)	384966	2.00000	1.847
59 cis-1,3-Dichloropropene	75	13.487	13.487	(1.165)	247422	2.00000	1.854
60 trans-1,3-Dichloropropene	75	14.165	14.165	(0.872)	219848	2.00000	1.876
61 Toluene	91	14.299	14.299	(0.880)	463484	2.00000	1.760
62 1,1,2-Trichloroethane	97	14.369	14.369	(0.884)	171136	2.00000	1.862
63 2-Hexanone	58	14.724	14.724	(0.906)	152079	2.00000	1.839
64 Octane	85	14.961	14.961	(0.921)	162969	2.00000	1.895
65 Dibromochloromethane	129	15.069	15.069	(0.927)	312892	2.00000	2.025

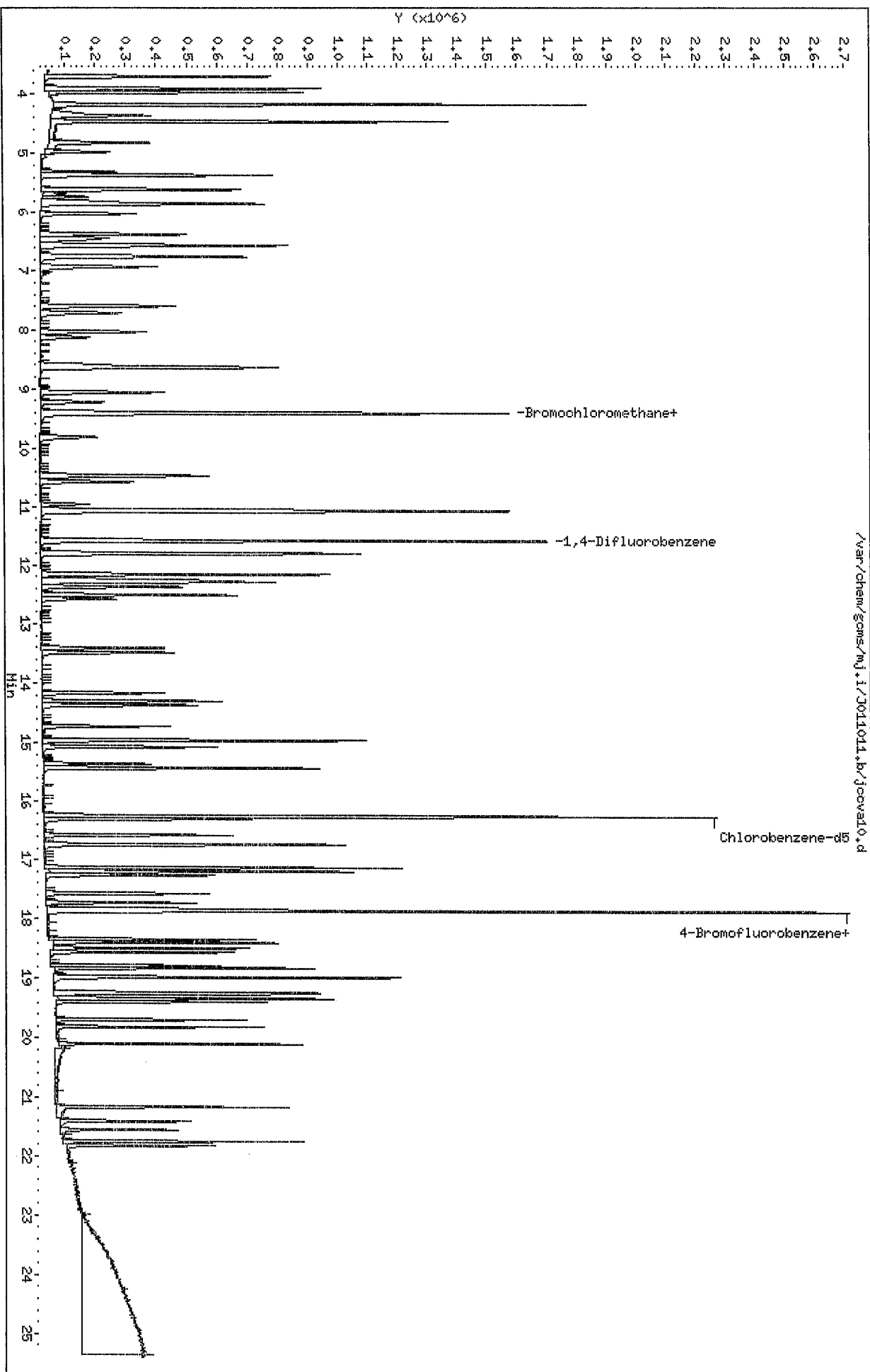
Data File: /var/chem/gcms/mj.i/J011011.b/jccva10.d

Report Date: 11-Jan-2011 12:02

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
66 1,2-Dibromoethane	107	15.359	15.359	(0.945)	268944	2.00000	1.830
67 Tetrachloroethene	129	15.429	15.429	(0.950)	204850	2.00000	1.912
68 Chlorobenzene	112	16.295	16.295	(1.003)	357372	2.00000	1.824
69 Ethylbenzene	91	16.575	16.575	(1.020)	490086	2.00000	1.746
70 m&p-Xylene	91	16.731	16.731	(1.030)	717146	4.00000	3.383
M 178 Xylene (total)	100				1081064	6.00000	5.052
71 Nonane	57	17.129	17.129	(1.054)	401004	2.00000	2.065
72 Bromoform	173	17.194	17.194	(1.058)	248434	2.00000	2.154
73 Styrene	104	17.194	17.194	(1.058)	250740	2.00000	1.764
74 o-Xylene	91	17.258	17.258	(1.062)	363918	2.00000	1.668
75 1,1,2,2-Tetrachloroethane	83	17.576	17.576	(1.082)	311983	2.00000	1.851
76 1,2,3-Trichloropropane	110	17.732	17.732	(1.091)	64816	2.00000	1.658
77 Cumene	105	17.834	17.834	(1.098)	456778	2.00000	1.675
78 n-Propylbenzene	120	18.345	18.345	(1.129)	117012	2.00000	1.649
79 2-chlorotoluene	126	18.399	18.399	(1.132)	142767	2.00000	1.882
80 4-Ethyltoluene	105	18.490	18.490	(1.138)	412406	2.00000	1.647
81 1,3,5-Trimethylbenzene	120	18.560	18.560	(1.142)	160855	2.00000	1.625
82 Alpha-Methylstyrene	118	18.781	18.781	(1.156)	154303	2.00000	1.663
83 Decane	57	18.818	18.818	(1.158)	298319	2.00000	1.608
85 tert-butylbenzene	119	18.974	18.974	(1.168)	359024	2.00000	1.651
84 1,2,4-Trimethylbenzene	105	18.985	18.985	(1.169)	332048	2.00000	1.760
86 sec-butylbenzene	105	19.232	19.232	(1.184)	503069	2.00000	1.760
87 1,3-Dichlorobenzene	146	19.254	19.254	(1.185)	257417	2.00000	1.766
88 Benzyl Chloride	91	19.324	19.324	(1.189)	296331	2.00000	1.762
89 1,4-Dichlorobenzene	146	19.335	19.335	(1.190)	247968	2.00000	1.732
90 p-Cymene	119	19.383	19.383	(1.193)	361853	2.00000	1.729
91 1,2-Dichlorobenzene	146	19.690	19.690	(1.212)	220558	2.00000	1.722
92 n-butylbenzene	91	19.808	19.808	(1.219)	362422	2.00000	1.729
93 Undecane	57	20.093	20.093	(1.237)	237726	2.00000	1.506
94 Dodecane	57	21.169	21.169	(1.303)	253517	2.00000	1.836
95 1,2,4-Trichlorobenzene	180	21.411	21.411	(1.318)	127166	2.00000	1.707
96 Napthalene	128	21.556	21.556	(1.327)	315453	2.00000	1.949
97 Hexachlorobutadiene	225	21.755	21.755	(1.339)	130779	2.00000	1.576
98 1,2,3-trichlorobenzene	180	21.831	21.831	(1.344)	142201	2.00000	1.804

Data File: /var/chem/gcms/mj.i/J011011.b/jocval0.d
Date: 10-JAN-2011 10:50
Client ID: CCV/LCS
Sample Info: CCV,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J011011.b/j1pta10.d
 Report Date: 10-Jan-2011 13:11

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J011011.b/j1pta10.d
 Lab Smp Id: 1PTCAL Client Smp ID: 1ptcal
 Inj Date : 10-JAN-2011 12:07
 Operator : 22980 Inst ID: mj.i
 Smp Info : 1PTCAL,,3,6,,1ptcal
 Misc Info : J011011,1ptcal,1ptcala.sub,,,
 Comment :
 Method : /chem/gcms/mj.i/J011011.b/TO15.m
 Meth Date : 10-Jan-2011 13:11 gosss Quant Type: ISTD
 Cal Date : 10-JAN-2011 12:07 Cal File: j1pta10.d
 Als bottle: 13 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 1ptcala.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	9.401	9.401	(1.000)	367250	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.574	11.574	(1.000)	1779324	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.249	16.249	(1.000)	1459415	4.00000	4.000
99 ~ Thiophene	84	11.316	11.316	(0.978)	13226	0.08000	0.08000(A)
100 ~ 1,2,3- Trimethylbenzene	105	19.444	19.444	(1.197)	18048	0.08000	0.08000(A)
101 ~ Indane	117	19.686	19.686	(1.212)	21680	0.08000	0.08000(A)
102 ~ Indene	116	19.815	19.815	(1.219)	13290	0.08000	0.08000(A)
103 ~ 2-Methylnaphthalene	142	22.473	22.473	(1.383)	134880	1.00000	1.000(A)
104 ~ 1-Methylnaphthalene	142	22.607	22.607	(1.391)	163725	1.00000	1.000(A)
164 ~ methyl cyclohexane	83	13.043	13.043	(1.127)	13893	0.08000	0.08000(A)
165 ~ acetaldehyde	44	4.339	4.339	(0.462)	61046	0.38000	0.38000(A)
166 ~ ethanol	31	5.054	5.054	(0.538)	39403	0.39000	0.39000(A)
167 ~ 2,3-dimethylpentane	56	11.165	11.165	(0.965)	18691	0.08000	0.08000(A)
168 ~ 2-methyl thiophene	97	14.447	14.447	(0.889)	19616	0.08000	0.08000(A)
169 ~ 3-methyl thiophene	97	14.646	14.646	(0.901)	19968	0.08000	0.08000(A)

Data File: /var/chem/gcms/mj.i/J011011.b/j1pta10.d
 Report Date: 10-Jan-2011 13:11

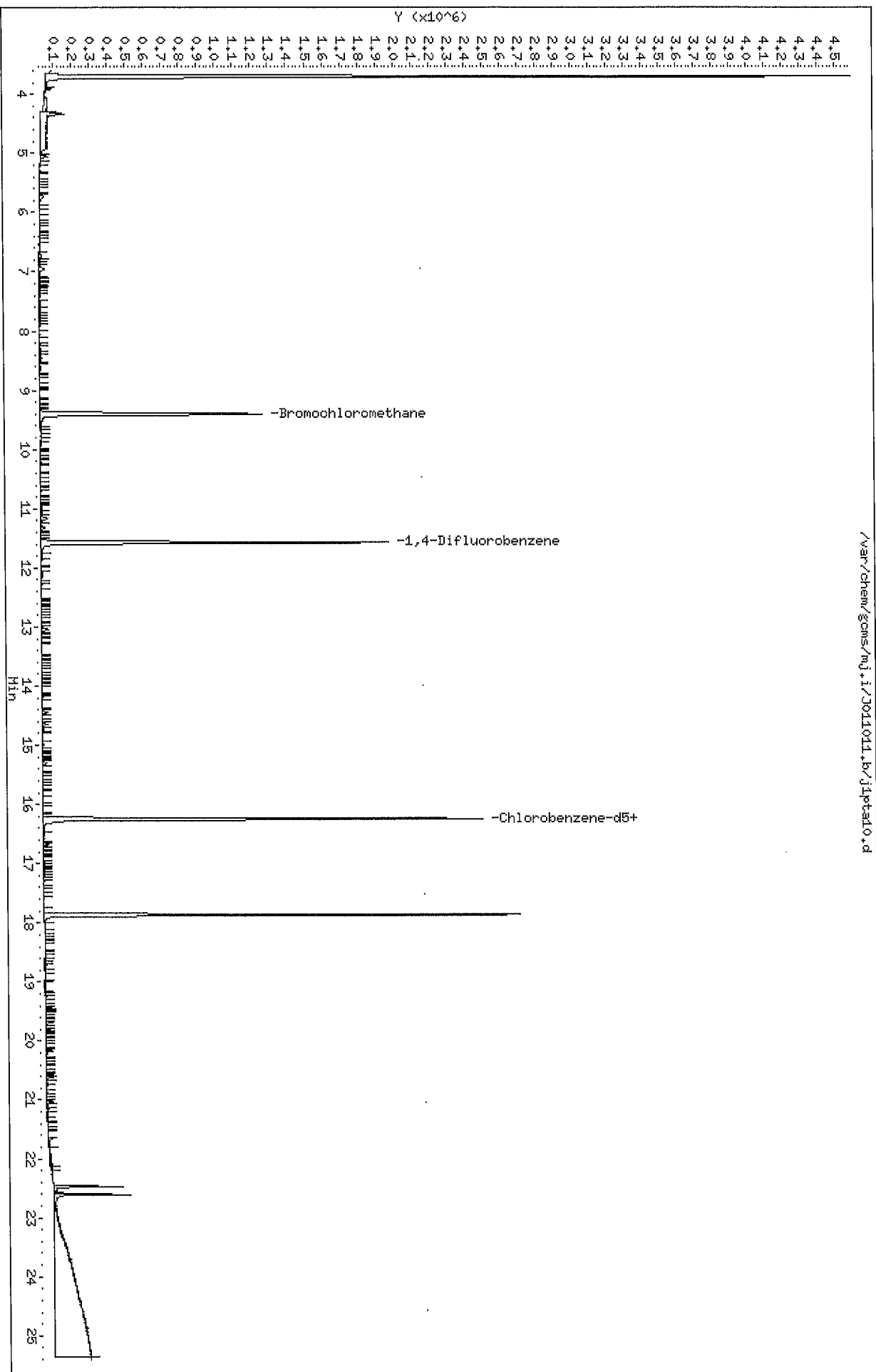
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb (v/v))	ON-COL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
170 ~ 2,3-dimethylheptane	43	16.292	16.292	(1.003)	41833	0.08000	0.08000 (A)
171 ~ 2-ethyl thiophene	97	16.679	16.679	(1.026)	21154	0.08000	0.08000 (A)
172 ~ n-butylcyclohexane	83	19.493	19.493	(1.200)	18816	0.08000	0.08000 (A)
173 ~ 1,2-dimethyl-4-ethylenzene	119	20.165	20.165	(1.241)	20773	0.08000	0.08000 (A)
174 ~ 1,2,4,5-tetramethylbenzene	119	20.552	20.552	(1.265)	22767	0.08000	0.08000 (A)
175 ~ 1,2,3,5-tetramethylbenzene	119	20.612	20.612	(1.268)	20432	0.08000	0.08000 (A)
176 ~ 1,2,3,4-tetramethylbenzene	119	21.026	21.026	(1.294)	21443	0.08000	0.08000 (A)
177 ~ benzo(b) thiophene	134	21.666	21.666	(1.333)	16156	0.08000	0.08000 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount
 exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/2011011.b/j1ptal0.d
Date: 10-JAN-2011 12:07
Client ID: 1ptcal
Sample Info: 1PTCAL,,3,6,,1ptcal
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



Raw QC Data

New York State D.E.C.
 Client Sample ID: INTRA-LAB BLANK
 GC/MS Volatiles

Lot-Sample # H1A100000 - 236B Work Order # MC7111AA Matrix.....: AIR

Prep Date.....: 12/29/2010 Date Received..: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/10/2011
 Prep Batch #.....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.
 Client Sample ID: INTRA-LAB BLANK
 GC/MS Volatiles

Lot-Sample # H1A100000 - 236B Work Order # MC7111AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
SURROGATE		PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)	
4-Bromofluorobenzene		99	60 - 140	

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting
 Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J011011.b/jblka10.d
 Report Date: 11-Jan-2011 12:51

TestAmerica Knoxville

Modified Method TO-14/TO-15
 Data file : /var/chem/gcms/mj.i/J011011.b/jblka10.d
 Lab Smp Id: MC7111AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 10-JAN-2011 12:58
 Operator : 22980 Inst ID: mj.i
 Smp Info : MC7111AA,,3,,,BLANK
 Misc Info : J011011,TO15,1-all.sub,,,
 Comment :
 Method : /var/chem/gcms/mj.i/J011011.b/TO15.m
 Meth Date : 11-Jan-2011 12:02 barlozha Quant Type: ISTD
 Cal Date : 10-JAN-2011 12:07 Cal File: j1pta10.d
 Als bottle: 14 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: nysdec.sub
 Target Version: 3.50
 Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

01/20/11

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb (v/v))	FINAL (ppb (v/v))
* 1 Bromochloromethane	128	9.404	9.404	(1.000)	323125	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.572	11.577	(1.000)	1595037	4.00000	4.000	
* 3 Chlorobenzene-d5	117	16.247	16.247	(1.000)	1340293	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95	17.866	17.866	(1.100)	931110	3.96525	3.965	

Data File: /var/chem/gcms/mj.i/J011011.b/jblka10.d
 Report Date: 11-Jan-2011 12:50

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: mj.i	Calibration Date: 10-JAN-2011
Lab File ID: jblka10.d	Calibration Time: 10:50
Lab Smp Id: MC7111AA	Client Smp ID: INTRA-LAB BLANK
Analysis Type: OTHER	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: 22980	
Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m	
Misc Info: J011011,TO15,1-all.sub,,	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	322813	192074	453552	323125	0.10
2 1,4-Difluorobenze	1506919	896617	2117221	1595037	5.85
3 Chlorobenzene-d5	1266542	753592	1779492	1340293	5.82

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 Bromochloromethan	9.40	9.07	9.73	9.40	0.00
2 1,4-Difluorobenze	11.58	11.25	11.91	11.57	-0.05
3 Chlorobenzene-d5	16.25	15.92	16.58	16.25	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J011011.b/jblka10.d
 Report Date: 11-Jan-2011 12:51

TestAmerica Knoxville

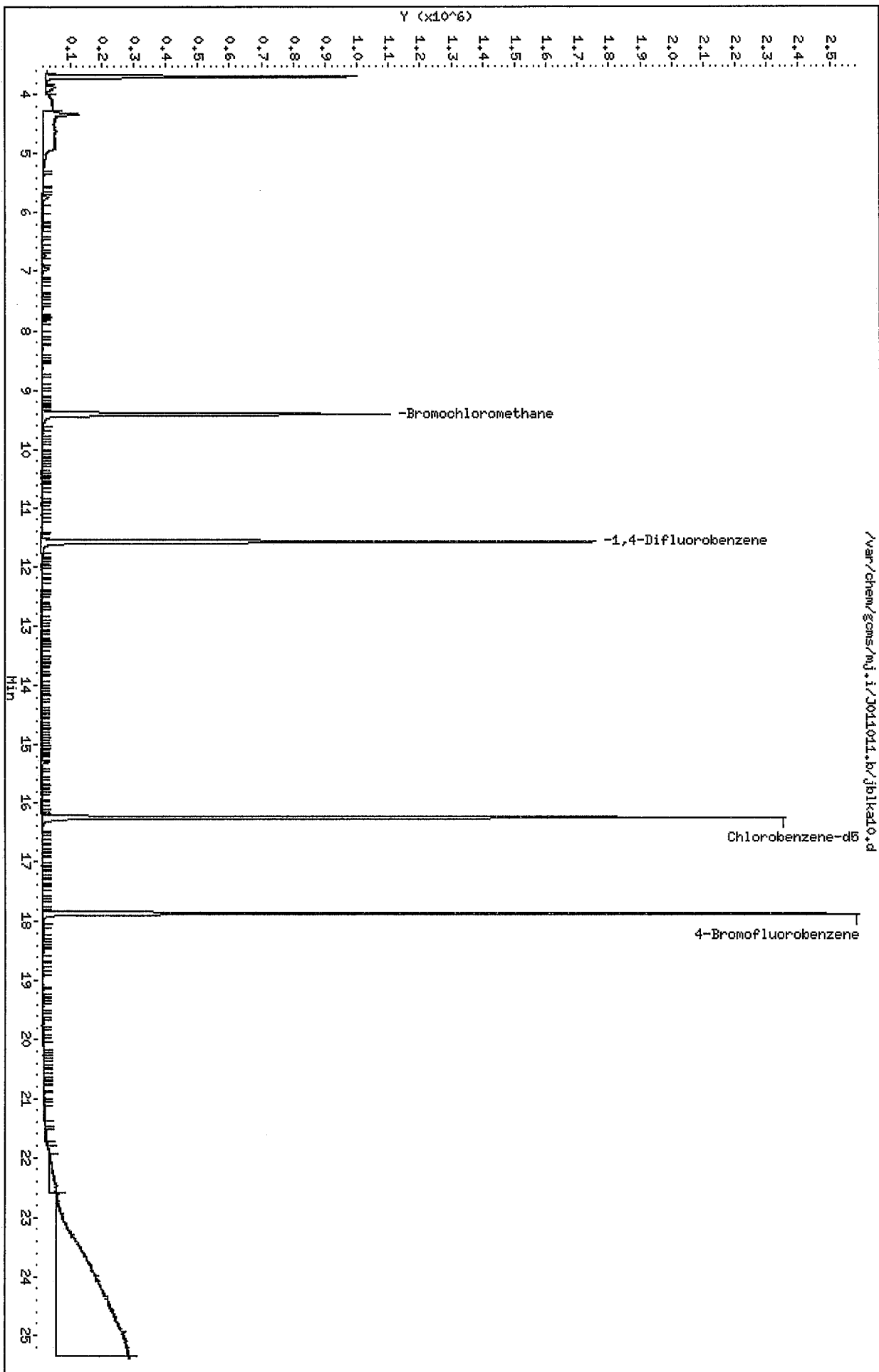
RECOVERY REPORT

Client Name:	Client SDG: H1A100000
Sample Matrix: GAS	Fraction: OTHER
Lab Smp Id: MC7111AA	Client Smp ID: INTRA-LAB BLANK
Level: LOW	Operator: 22980
Data Type: MS DATA	SampleType: METHOD BLANK
SpikeList File: allnew.spk	Quant Type: ISTD
Sublist File: nysdec.sub	
Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m	
Misc Info: J011011,TO15,1-all.sub,,,	

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
\$ 6 4-Bromofluorobenze	4.000	3.965	99.13	70-130

Data File: /var/chem/gcms/mj.i/3011011.b/jbika0.d
Date : 10-JAN-2011 12:58
Client ID: INTRA-LAB BLANK
Sample Info: MC711100,3,,BLANK
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1A100000 - 236C Work Order # MC7111AC Matrix.....: AIR

Prep Date.....: 12/29/2010 Date Received..: 01/04/2011
 Prep Date.....: 01/10/2011 Analysis Date...: 01/10/2011
 Prep Batch #.....: 1010236
 Dilution Factor.: 1 Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	5.00	4.69	23	21	94	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	6.12	35	43	122	60 - 140
1,4-Dioxane	5.00	4.33	18	16	87	60 - 140
Ethylbenzene	5.00	4.36	22	19	87	70 - 130
Trichlorofluoromethane	5.00	5.46	28	31	109	60 - 140
Hexachlorobutadiene	5.00	3.94	53	42	79	60 - 140
n-Hexane	5.00	5.45	18	19	109	70 - 130
2,2,4-Trimethylpentane	5.00	5.23	23	24	105	70 - 130
tert-Butyl alcohol	5.00	4.79	15	15	96	60 - 140
Methylene chloride	5.00	5.14	17	18	103	70 - 130
Benzene	5.00	5.09	16	16	102	70 - 130
Benzyl chloride	5.00	4.40	26	23	88	70 - 130
Styrene	5.00	4.41	21	19	88	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.63	34	32	93	70 - 130
Tetrachloroethene	5.00	4.78	34	32	96	70 - 130
Toluene	5.00	4.40	19	17	88	70 - 130
1,2,4-Trichlorobenzene	5.00	4.27	37	32	85	60 - 140
1,1,1-Trichloroethane	5.00	5.67	27	31	113	70 - 130
1,1,2-Trichloroethane	5.00	4.66	27	25	93	70 - 130
Trichloroethene	5.00	5.10	27	27	102	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	5.58	38	43	112	70 - 130
1,2,4-Trimethylbenzene	5.00	4.40	25	22	88	70 - 130
1,3,5-Trimethylbenzene	5.00	4.06	25	20	81	70 - 130
Vinyl chloride	5.00	6.12	13	16	122	70 - 130
o-Xylene	5.00	4.17	22	18	83	70 - 130
Methyl tert-butyl ether	5.00	4.30	18	16	86	60 - 140
m-Xylene & p-Xylene	10.0	8.46	43	37	85	70 - 130
Bromodichloromethane	5.00	4.97	34	33	99	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.58	38	35	92	70 - 130
2-Butanone (MEK)	5.00	4.21	15	12	84	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	4.62	20	19	92	60 - 140
Bromoform	5.00	5.38	52	56	108	60 - 140
Bromomethane	5.00	5.83	19	23	117	70 - 130
Carbon tetrachloride	5.00	6.01	31	38	120	70 - 130
Chlorobenzene	5.00	4.56	23	21	91	70 - 130
Dibromochloromethane	5.00	5.06	43	43	101	70 - 130
Chloroethane	5.00	5.67	13	15	113	70 - 130

New York State D.E.C.
 Client Sample ID: CHECK SAMPLE
 GC/MS Volatiles

Lot-Sample #	H1A100000 - 236C	Work Order #	MC7111AC	Matrix.....:	AIR	
PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	5.00	5.47	24	27	109	70 - 130
Chloromethane	5.00	6.47	10	13	129	60 - 140
Cyclohexane	5.00	5.17	17	18	103	70 - 130
1,2-Dichlorobenzene	5.00	4.31	30	26	86	70 - 130
1,3-Dichlorobenzene	5.00	4.41	30	27	88	70 - 130
1,4-Dichlorobenzene	5.00	4.33	30	26	87	70 - 130
Dichlorodifluoromethane	5.00	5.80	25	29	116	60 - 140
1,1-Dichloroethane	5.00	5.65	20	23	113	70 - 130
1,2-Dichloroethane	5.00	5.06	20	20	101	70 - 130
1,1-Dichloroethene	5.00	5.54	20	22	111	70 - 130
cis-1,2-Dichloroethene	5.00	5.53	20	22	111	70 - 130
trans-1,2-Dichloroethene	5.00	5.48	20	22	110	70 - 130
1,2-Dichloropropane	5.00	4.64	23	21	93	70 - 130
cis-1,3-Dichloropropene	5.00	4.64	23	21	93	70 - 130
SURROGATE		PERCENT RECOVERY			LABORATORY CONTROL LIMITS (%)	
4-Bromofluorobenzene		105			60 - 140	

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J011011.b/jlcsa10.d

Report Date: 11-Jan-2011 12:51

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J011011.b/jlcsa10.d

Lab Smp Id: MC7111AC

Client Smp ID: CCV/LCS

Inj Date : 10-JAN-2011 10:50

Operator : 22980

Inst ID: mj.i

Smp Info : M77111AC,,2,6,,CCV/LCS

Misc Info : J011011,TO15,1-all.sub,,,

Comment :

Method : /var/chem/gcms/mj.i/J011011.b/TO15.m

Meth Date : 11-Jan-2011 12:02 barlozha Quant Type: ISTD

Cal Date : 10-JAN-2011 12:07

Cal File: j1pta10.d

Als bottle: 1

QC Sample: LCS

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 1-all.sub

Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.404	9.404	(1.000)	322813	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.577	11.577	(1.000)	1506919	4.00000	4.000	
* 3 Chlorobenzene-d5	117	16.247	16.247	(1.000)	1266542	4.00000	4.000	
\$ 6 4-Bromofluorobenzene	95	17.866	17.866	(1.100)	930625	4.19396	10.48	
7 Chlorodifluoromethane	67	3.901	3.901	(0.415)	77658	2.15379	5.384	
9 Propene	41	3.912	3.912	(0.416)	313755	2.47237	6.181	
8 Dichlorodifluoromethane	85	3.971	3.971	(0.422)	744729	2.32180	5.804	
10 Chloromethane	52	4.175	4.175	(0.444)	128099	2.58625	6.466	
11 1,2-Dichlorotetrafluoroethane	135	4.181	4.181	(0.445)	512509	2.44721	6.118	
13 Vinyl Chloride	62	4.364	4.364	(0.464)	342416	2.44654	6.116	
14 n-Butane	43	4.460	4.460	(0.474)	627422	2.69580	6.739	
15 1,3-Butadiene	54	4.460	4.460	(0.474)	289902	2.44690	6.117	
16 Bromomethane	94	4.821	4.821	(0.513)	249508	2.33363	5.834	
17 Chloroethane	64	4.977	4.977	(0.529)	129857	2.26706	5.668	
18 Vinyl Bromide	106	5.310	5.310	(0.565)	210626	2.24404	5.610	
19 2-methyl butane	43	5.364	5.364	(0.570)	395905	2.31187	5.780	

Data File: /var/chem/gcms/mj.i/J011011.b/jlcsa10.d
 Report Date: 11-Jan-2011 12:51

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb (v/v))	FINAL (ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====
20 Trichlorofluoromethane	101	5.606	5.606	(0.596)	555629	2.18195	5.455
21 Acrolein	56	5.606	5.606	(0.596)	46719	1.83252	4.581
22 Acetonitrile	40	5.682	5.682	(0.604)	58543	1.68722	4.218
23 Acetone	43	5.730	5.730	(0.609)	227771	1.48375	3.709
24 Pentane	72	5.843	5.843	(0.621)	34851	2.22437	5.561
25 Isopropyl Alcohol	45	5.800	5.800	(0.617)	235244	1.96786	4.920
26 Ethyl Ether	31	6.015	6.015	(0.640)	260064	2.20729	5.518
27 1,1-Dichloroethene	96	6.370	6.370	(0.677)	207048	2.21702	5.542
29 Acrylonitrile	53	6.467	6.467	(0.688)	99609	1.73365	4.334
28 tert-butanol	59	6.435	6.435	(0.684)	249753	1.91696	4.792
30 1,1,2-Trichlorotrifluoroethane	101	6.558	6.558	(0.697)	451752	2.23115	5.578
31 Methylene Chloride	84	6.736	6.736	(0.716)	190351	2.05542	5.138
32 3-Chloropropene	39	6.757	6.757	(0.719)	222916	2.33460	5.836
33 Carbon Disulfide	76	6.924	6.924	(0.736)	618022	2.28435	5.711
34 trans-1,2-Dichloroethene	96	7.597	7.597	(0.808)	199511	2.18997	5.475
35 Methyl-t-Butyl Ether	73	7.715	7.715	(0.820)	287473	1.72151	4.304
36 1,1-Dichloroethane	63	8.038	8.038	(0.855)	464195	2.26046	5.651
37 Vinyl Acetate	43	8.135	8.135	(0.865)	334295	1.68757	4.219
38 Hexane	56	8.635	8.635	(0.918)	221537	2.18091	5.452
39 2-Butanone	72	8.592	8.592	(0.914)	51148	1.68522	4.213
40 cis 1,2-Dichloroethene	96	9.060	9.060	(0.963)	210636	2.21102	5.528
41 Ethyl acetate	43	9.227	9.227	(0.981)	313759	1.82104	4.552
42 Chloroform	83	9.410	9.410	(1.001)	442745	2.18879	5.472
43 Tetrahydrofuran	42	9.813	9.813	(1.043)	176725	1.74125	4.353
44 1,1,1-Trichloroethane	97	10.469	10.469	(1.113)	441816	2.26860	5.672
45 1,2-Dichloroethane	62	10.572	10.572	(0.913)	293832	2.02365	5.059
46 Cyclohexane	69	11.061	11.061	(0.955)	105494	2.06702	5.168
48 Benzene	78	11.056	11.056	(0.955)	590531	2.03450	5.086
47 1-Butanol	31	10.959	10.959	(0.947)	73312	1.93643	4.841
49 Carbon Tetrachloride	117	11.083	11.083	(0.957)	391363	2.40277	6.007
50 2,2,4-trimethylpentane	57	11.793	11.793	(1.019)	1175686	2.09036	5.226
51 Heptane	71	12.153	12.153	(1.050)	194668	1.91891	4.797
52 1,2-Dichloropropane	63	12.245	12.245	(1.058)	215321	1.85455	4.636
53 Trichloroethene	130	12.282	12.282	(1.061)	254119	2.04206	5.105
54 Dibromomethane	93	12.368	12.368	(1.068)	233832	1.97259	4.931
55 Bromodichloromethane	83	12.503	12.503	(1.080)	388686	1.98839	4.971
56 1,4-dioxane	88	12.503	12.503	(1.080)	44853	1.73231	4.331
57 methyl methacrylate	41	12.578	12.578	(1.086)	166740	1.61626	4.041
58 4-Methyl-2-pentanone	43	13.412	13.412	(1.158)	384966	1.84735	4.618
59 cis-1,3-Dichloropropene	75	13.487	13.487	(1.165)	247422	1.85420	4.635
60 trans-1,3-Dichloropropene	75	14.165	14.165	(0.872)	219848	1.87633	4.691
61 Toluene	91	14.299	14.299	(0.880)	463484	1.76033	4.401
62 1,1,2-Trichloroethane	97	14.369	14.369	(0.884)	171136	1.86233	4.656
63 2-Hexanone	58	14.724	14.724	(0.906)	152079	1.83949	4.599
64 Octane	85	14.961	14.961	(0.921)	162969	1.89543	4.738
65 Dibromochloromethane	129	15.069	15.069	(0.927)	312892	2.02519	5.063
66 1,2-Dibromoethane	107	15.359	15.359	(0.945)	268944	1.83025	4.576

Data File: /var/chem/gcms/mj.i/J011011.b/jlcsa10.d
 Report Date: 11-Jan-2011 12:51

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ppb (v/v))	(ppb (v/v))
=====	=====	==	=====	=====	=====	=====	=====	
67 Tetrachloroethene	129	15.429	15.429	(0.950)	204850	1.91175	4.779	
68 Chlorobenzene	112	16.295	16.295	(1.003)	357372	1.82440	4.561	
69 Ethylbenzene	91	16.575	16.575	(1.020)	490086	1.74572	4.364	
70 m&p-Xylene	91	16.731	16.731	(1.030)	717146	3.38338	8.458	
M 178 Xylene (total)	100				1081064	5.05174	12.63	
71 Nonane	57	17.129	17.129	(1.054)	401004	2.06470	5.162	
72 Bromoform	173	17.194	17.194	(1.058)	248434	2.15350	5.384	
73 Styrene	104	17.194	17.194	(1.058)	250740	1.76434	4.411	
74 o-Xylene	91	17.258	17.258	(1.062)	363918	1.66836	4.171	
75 1,1,2,2-Tetrachloroethane	83	17.576	17.576	(1.082)	311983	1.85132	4.628	
76 1,2,3-Trichloropropane	110	17.732	17.732	(1.091)	64816	1.65761	4.144	
77 Cumene	105	17.834	17.834	(1.098)	456778	1.67491	4.187	
78 n-Propylbenzene	120	18.345	18.345	(1.129)	117012	1.64908	4.123	
79 2-chlorotoluene	126	18.399	18.399	(1.132)	142767	1.88250	4.706	
80 4-Ethyltoluene	105	18.490	18.490	(1.138)	412406	1.64666	4.117	
81 1,3,5-Trimethylbenzene	120	18.560	18.560	(1.142)	160855	1.62475	4.062	
82 Alpha-Methylstyrene	118	18.781	18.781	(1.156)	154303	1.66306	4.158	
83 Decane	57	18.818	18.818	(1.158)	298319	1.60811	4.020	
85 tert-butylbenzene	119	18.974	18.974	(1.168)	359024	1.65104	4.128	
84 1,2,4-Trimethylbenzene	105	18.985	18.985	(1.169)	332048	1.76041	4.401	
86 sec-butylbenzene	105	19.232	19.232	(1.184)	503069	1.75991	4.400	
87 1,3-Dichlorobenzene	146	19.254	19.254	(1.185)	257417	1.76578	4.414	
88 Benzyl Chloride	91	19.324	19.324	(1.189)	296331	1.76177	4.404	
89 1,4-Dichlorobenzene	146	19.335	19.335	(1.190)	247968	1.73201	4.330	
90 p-Cymene	119	19.383	19.383	(1.193)	361853	1.72935	4.323	
91 1,2-Dichlorobenzene	146	19.690	19.690	(1.212)	220558	1.72236	4.306	
92 n-butylbenzene	91	19.808	19.808	(1.219)	362422	1.72875	4.322	
93 Undecane	57	20.093	20.093	(1.237)	237726	1.50553	3.764	
94 Dodecane	57	21.169	21.169	(1.303)	253517	1.83622	4.590	
95 1,2,4-Trichlorobenzene	180	21.411	21.411	(1.318)	127166	1.70732	4.268	
96 Napthalene	128	21.556	21.556	(1.327)	315453	1.94926	4.873	
97 Hexachlorobutadiene	225	21.755	21.755	(1.339)	130779	1.57610	3.940	
98 1,2,3-trichlorobenzene	180	21.831	21.831	(1.344)	142201	1.80426	4.511	

Data File: /var/chem/gcms/mj.i/J011011.b/jlcsa10.d
 Report Date: 11-Jan-2011 12:51

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: mj.i	Calibration Date: 10-JAN-2011
Lab File ID: jlcsa10.d	Calibration Time: 10:50
Lab Smp Id: MC7111AC	Client Smp ID: CCV/LCS
Analysis Type: OTHER	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: 22980	
Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m	
Misc Info: J011011,TO15,1-all.sub,,	

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 Bromochloromethan	322813	192074	453552	322813	0.00
2 1,4-Difluorobenze	1506919	896617	2117221	1506919	0.00
3 Chlorobenzene-d5	1266542	753592	1779492	1266542	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 Bromochloromethan	9.40	9.07	9.73	9.40	0.00
2 1,4-Difluorobenze	11.58	11.25	11.91	11.58	0.00
3 Chlorobenzene-d5	16.25	15.92	16.58	16.25	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J011011.b/jlcsa10.d
 Report Date: 11-Jan-2011 12:51

TestAmerica Knoxville

RECOVERY REPORT

Client Name: Client SDG: J011011
 Sample Matrix: GAS Fraction: OTHER
 Lab Smp Id: MC7111AC Client Smp ID: CCV/LCS
 Level: LOW Operator: 22980
 Data Type: MS DATA SampleType: LCS
 SpikeList File: allnew.spk Quant Type: ISTD
 Sublist File: 1-all.sub
 Method File: /var/chem/gcms/mj.i/J011011.b/TO15.m
 Misc Info: J011011,TO15,1-all.sub,,,

SPIKE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
7 Chlorodifluorometh	5.000	5.384	107.69	60-140
9 Propene	5.000	6.181	123.62	60-140
8 Dichlorodifluorome	5.000	5.804	116.09	60-140
10 Chloromethane	5.000	6.466	129.31	60-140
11 1,2-Dichlorotetra	5.000	6.118	122.36	60-140
12 Methanol	5.000	1.008	20.16*	60-140
13 Vinyl Chloride	5.000	6.116	122.33	70-130
14 n-Butane	5.000	6.739	134.79	60-140
15 1,3-Butadiene	5.000	6.117	122.34	60-140
16 Bromomethane	5.000	5.834	116.68	70-130
17 Chloroethane	5.000	5.668	113.35	70-130
18 Vinyl Bromide	5.000	5.610	112.20	60-140
19 2-methyl butane	5.000	5.780	115.59	70-130
20 Trichlorofluoromet	5.000	5.455	109.10	60-140
21 Acrolein	5.000	4.581	91.63	60-140
22 Acetonitrile	5.000	4.218	84.36	60-140
23 Acetone	5.000	3.709	74.19	60-140
24 Pentane	5.000	5.561	111.22	70-130
25 Isopropyl Alcohol	5.000	4.920	98.39	60-140
26 Ethyl Ether	5.000	5.518	110.36	60-140
27 1,1-Dichloroethene	5.000	5.542	110.85	70-130
28 tert-butanol	5.000	4.792	95.85	60-140
29 Acrylonitrile	5.000	4.334	86.68	60-140
30 1,1,2-Trichlorotri	5.000	5.578	111.56	70-130
31 Methylene Chloride	5.000	5.138	102.77	70-130
32 3-Chloropropene	5.000	5.836	116.73	60-140
33 Carbon Disulfide	5.000	5.711	114.22	70-130
34 trans-1,2-Dichloro	5.000	5.475	109.50	70-130
35 Methyl-t-Butyl Eth	5.000	4.304	86.08	60-140
36 1,1-Dichloroethane	5.000	5.651	113.02	70-130
37 Vinyl Acetate	5.000	4.219	84.38	60-140
39 2-Butanone	5.000	4.213	84.26	60-140
38 Hexane	5.000	5.452	109.05	70-130

Data File: /var/chem/gcms/mj.i/J011011.b/jlcsa10.d
 Report Date: 11-Jan-2011 12:51

SPIKE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
40 cis 1,2-Dichloroet	5.000	5.528	110.55	70-130
41 Ethyl acetate	5.000	4.552	91.05	60-140
42 Chloroform	5.000	5.472	109.44	70-130
43 Tetrahydrofuran	5.000	4.353	87.06	60-140
44 1,1,1-Trichloroeth	5.000	5.672	113.43	70-130
45 1,2-Dichloroethane	5.000	5.059	101.18	70-130
47 1-Butanol	5.000	4.841	96.82	60-140
48 Benzene	5.000	5.086	101.72	70-130
46 Cyclohexane	5.000	5.168	103.35	70-130
49 Carbon Tetrachlori	5.000	6.007	120.14	70-130
50 2,2,4-trimethylpen	5.000	5.226	104.52	70-130
51 Heptane	5.000	4.797	95.95	70-130
52 1,2-Dichloropropan	5.000	4.636	92.73	70-130
53 Trichloroethene	5.000	5.105	102.10	70-130
54 Dibromomethane	5.000	4.931	98.63	70-130
55 Bromodichlorometha	5.000	4.971	99.42	70-130
56 1,4-dioxane	5.000	4.331	86.62	60-140
57 methyl methacrylat	5.000	4.041	80.81	60-140
58 4-Methyl-2-pentano	5.000	4.618	92.37	60-140
59 cis-1,3-Dichloropr	5.000	4.635	92.71	70-130
60 trans-1,3-Dichloro	5.000	4.691	93.82	70-130
61 Toluene	5.000	4.401	88.02	70-130
62 1,1,2-Trichloroeth	5.000	4.656	93.12	70-130
63 2-Hexanone	5.000	4.599	91.97	60-140
64 Octane	5.000	4.738	94.77	70-130
65 Dibromochlorometha	5.000	5.063	101.26	70-130
66 1,2-Dibromoethane	5.000	4.576	91.51	70-130
67 Tetrachloroethene	5.000	4.779	95.59	70-130
68 Chlorobenzene	5.000	4.561	91.22	70-130
69 Ethylbenzene	5.000	4.364	87.29	70-130
70 m&p-Xylene	10.00	8.458	84.58	70-130
M 178 Xylene (total)	15.00	12.63	84.20	70-130
71 Nonane	5.000	5.162	103.23	60-140
72 Bromoform	5.000	5.384	107.68	60-140
73 Styrene	5.000	4.411	88.22	70-130
74 o-Xylene	5.000	4.171	83.42	70-130
75 1,1,2,2-Tetrachlor	5.000	4.628	92.57	70-130
76 1,2,3-Trichloropro	5.000	4.144	82.88	60-140
77 Cumene	5.000	4.187	83.75	70-130
78 n-Propylbenzene	5.000	4.123	82.45	70-130
79 2-chlorotoluene	5.000	4.706	94.12	70-130
80 4-Ethyltoluene	5.000	4.117	82.33	70-130
81 1,3,5-Trimethylben	5.000	4.062	81.24	70-130
82 Alpha-Methylstyren	5.000	4.158	83.15	60-140
83 Decane	5.000	4.020	80.41	60-140
85 tert-butylbenzene	5.000	4.128	82.55	70-130
84 1,2,4-Trimethylben	5.000	4.401	88.02	70-130

Data File: /var/chem/gcms/mj.i/J011011.b/jlcsa10.d

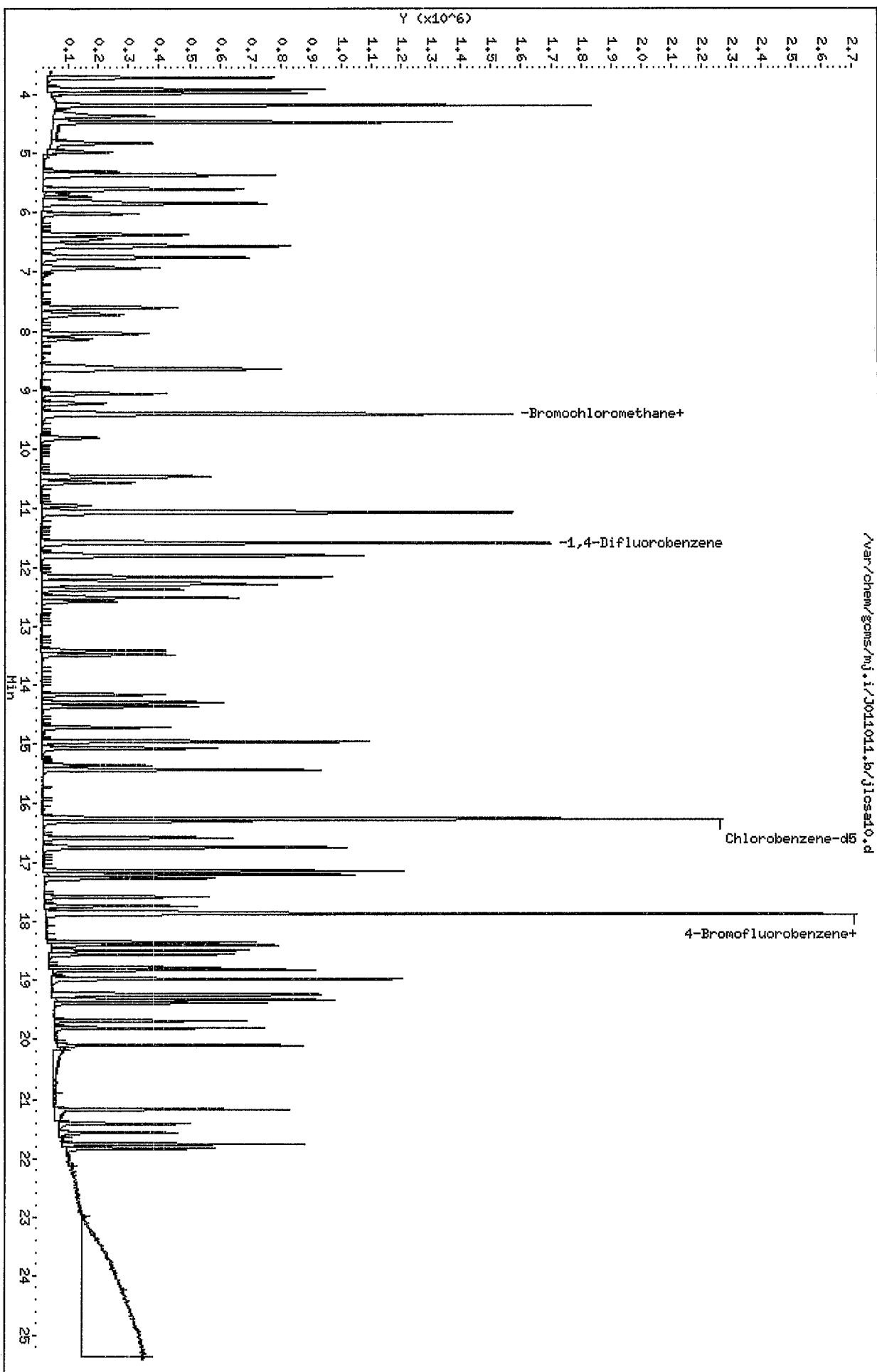
Report Date: 11-Jan-2011 12:51

SPIKE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
86 sec-butylbenzene	5.000	4.400	88.00	70-130
87 1,3-Dichlorobenzen	5.000	4.414	88.29	70-130
88 Benzyl Chloride	5.000	4.404	88.09	70-130
89 1,4-Dichlorobenzen	5.000	4.330	86.60	70-130
90 p-Cymene	5.000	4.323	86.47	70-130
91 1,2-Dichlorobenzen	5.000	4.306	86.12	70-130
92 n-butylbenzene	5.000	4.322	86.44	60-140
93 Undecane	5.000	3.764	75.28	60-140
94 Dodecane	5.000	4.590	91.81	60-140
95 1,2,4-Trichloroben	5.000	4.268	85.37	60-140
96 Napthalene	5.000	4.873	97.46	40-140
97 Hexachlorobutadien	5.000	3.940	78.81	60-140
98 1,2,3-trichloroben	5.000	4.511	90.21	40-140

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
\$ 6 4-Bromofluorobenze	10.00	10.48	104.85	70-130

Data File: /var/chem/gcms/mj.i/2011011.b/j10s10.d
Date: 10-JAN-2011 10:50
Client ID: CCV/LCS
Sample Info: M77111AC, 2,6, CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 22980
Column diameter: 0.32



Miscellaneous Data

TestAmerica Knoxville GC/MS Air Data Review / Narrative Checklist LOT/Project # H1A050479
 Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 11 & KNOX-MS-0023, Rev 0

Instrument:	<u>MS</u>			
Scanned File:	<u>512061DI</u>			
	<u>JD11011</u>			

Review Items	N/A	Yes	No	Why is data reportable?	2nd														
A. Tune / Continuing Calibration																			
1. Were all samples injected within 24 hr of BFB?		☒			☒														
2. Has a Continuing Calibration Checklist & run log been completed for each analytical batch and scanned properly?		☒			☒														
3. Was the correct ICAL used for quantitation?		☒			☒														
B. CLIENT SAMPLE AND QC SAMPLE Results																			
1. Were all special project requirements met?		☒			☒														
2. Were samples received in cans?		☒		☐ [Tedlar1] analyzed w/n 72 hours, ☐ [Tedlar2] X-fer within 72 hours.	☒														
3. Can pressure/vac on receipt acceptable?		☒		☐ see narrative	☒														
4. Were dilution factors/can prep information verified?		☒			☒														
5. Have the can number & lab ID been verified between the analysis log & sample prep log?		☒			☒														
6. Sample analyses done within analytical holding time (HT)? If no, list samples:		☒		☐ [ht2] Client requested analysis after HT expired. ☐ Other:	☒														
7. Are surrogates and internal standards within QC limits? (60-140% R for surr.; 60-140%R from CCAL for IS) If no, list samples/reason (e.g., sur1): <table border="1"> <thead> <tr> <th>Sample</th> <th>Reason</th> <th>Sample</th> <th>Reason</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Sample	Reason	Sample	Reason													☒	☐ [sur7] Obvious matrix effect ☐ [sur12] high recovery, no hits. ☐ [sur14] entire sample consumed ☐ [is1] Per client, reanalysis was not performed * ☐ [is2] Reanalysis confirmed a matrix effect.	☒
Sample	Reason	Sample	Reason																
8. Were all positive results and false negatives on quan report verified to be correct in LIMS?		☒			☒														
9. For dilutions, is highest concentration hit $\geq$ 20% cal range and not above calibration range? List samples and reason (e.g., elev1): <table border="1"> <thead> <tr> <th>Sample</th> <th>Reason</th> <th>Sample</th> <th>Reason</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Sample	Reason	Sample	Reason													☒	☐ [elev1] Elevated RL for due to sample matrix interferences. ☐ [elev3] Elevated RLs for all analytes due to difficult sample matrix. ☐ [elev4] Elevated RLs based on screening ☐ [elev5] Elevated RLs for all analytes due to presence of non-target compounds. ☐ [elev7] Elevated RLs due to sample volume	☒
Sample	Reason	Sample	Reason																
10. If manual integrations were performed, are they clearly identified, initialed, dated and reason given & alternate hits verified.	☒	☒		Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	☒														
C. Preparation QC																			
1. System blank run every 24 hours prior to samples?		☒			☒														
2. System blank surrogate recoveries within QC limits (60-140% R)?		☒		☐ [mb1] All sample surrogates OK and there is no analyte >RL in samples associated with blank.*	☒														
3. Are all analytes present in the system blank < RL? (1/2 RL for DoD). If no, list blank ID:		☒		☐ [mb3] No analyte > RL in associated samples.* ☐ [mb4] Sample results > 20x higher than blank.	☒														
4. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for methanol and n-butanol) If no, list DUP ID:		☒			☒														
5. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%). Note: Ohio does not allow for ME. <table border="1"> <thead> <tr> <th>Number of target analytes in LCS</th> <th># marginal exceedances of LCS control limits allowed</th> </tr> </thead> <tbody> <tr><td>>90</td><td>5</td></tr> <tr><td>71 - 90</td><td>4</td></tr> <tr><td>51 - 70</td><td>3</td></tr> <tr><td>31 - 50</td><td>2</td></tr> <tr><td>11 - 30</td><td>1</td></tr> <tr><td><11</td><td>0</td></tr> </tbody> </table>	Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed	>90	5	71 - 90	4	51 - 70	3	31 - 50	2	11 - 30	1	<11	0	☒	☐ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits ☐ [lcs5] LCS outside marginal exceedances high, but analytes were not detected LCS ID: _____	☒		
Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed																		
>90	5																		
71 - 90	4																		
51 - 70	3																		
31 - 50	2																		
11 - 30	1																		
<11	0																		
D. Other																			
1. Final report acceptable? (Results correct, RLs calculated correctly, units correct, surrogate %R correct, appropriate flags used, dilution factor correct, analysis dates correct.)		☒			☒														
2. Are all nonconformances documented appropriately and copy included with deliverable?	☒				☒														
4. Was a narrative prepared and all deviations noted?		☒		☐ [1pt6]; ☐ [1pt11]; ☐ [1ptsur] <u>ethanol</u>	☒														
5. TO14A Autotext included in narrative (for TO14A samples only).	☒			☐ [TO14]	☒														
6. All target analytes on c.cal >30%D but passes LCS criteria noted in the narrative?	☒			☐ [cca] The ccal exhibited a %D ICAL >30% but passes LCS...list analytes on narrative.	☒														
Analyst: <u>AB</u>	Date: <u>1/11/11</u>	2nd Level Reviewer: <u>[Signature]</u>	Date: <u>01/12/11</u>																

☐ [see following page for comments.]

*Such action must be taken in consultation with client.

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 1/11/11
Time: 10:13:50

LEV	LEV	LEV	LEV
1	2	1	2
-	-	-	-
-	-	-	-
-	-	-	-

Blank
Check
MS/MSD

Weights/Volumes
Spike & Surrogate Worksheet
Vial contains correct volume
Labels, greenbars, worksheets
computer batch: correct & all match
Anomalies to Extraction Method

Extractionist: _____

Concentrationist: _____

Reviewer/Date: _____ / 0/00/00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	1/13/11	MC2RQ-1-AA	DR	88	7M	AIR	NA	NA	NA	.0	.0	.0
COMMENTS:												

0/00/00	1/13/11	MC2RT-1-AA	DR	88	7M	AIR	NA	NA	NA	.0	.0	.0
COMMENTS:												

0/00/00	1/13/11	MC2RW-1-AA	DR	88	7M	AIR	NA	NA	NA	.0	.0	.0
COMMENTS:												

0/00/00	1/13/11	MC2RX-1-AA	DR	88	7M	AIR	NA	NA	NA	.0	.0	.0
COMMENTS:												

0/00/00	0/00/00	MC711-1-AAB	DR	88	7M	AIR	NA	NA	NA	.0	.0	.0
COMMENTS:												

0/00/00	0/00/00	MC711-1-ACC	DR	88	7M	AIR	NA	NA	NA	.0	.0	.0
COMMENTS:												

R = RUSH
E = EPA 600
M = CLIENT REQ MS/MSD

C = CLP
D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 6

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to Analytical Group
Bench Sheet Copied per COC

* QC BATCH: 1010236 *
* PREP DATE: 1/10/11 *
* COMP DATE: 1/11/11 *

Volatile Organics by GC/MS TO-15 low-level pbw/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

Sample Receipt Documentation

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

H1A050479

TestAmerica

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information		Project Manager: Brian Sunkasikas		Sampled By: Brian Sunkasikas		1 of 1 COCs												
Company: NYSDEC		Phone:																
Address: 625 Broadway, 11th Floor		Site Contact:																
City/State/Zip Albany, NY 12233-1705		TAL Contact:																
Phone: 518-402-9620																		
FAX:																		
Project Name: Eugene's Dry Cleaners		Analysis Turnaround Time																
Site/location: Babylon, NY		Standard (Specify)																
PO #		Rush (Specify)																
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
BA 2	12/29/10	935	920	30	6	K387	12339X	X						X				
BA 1	12/29/10	1005	1000	29.5	4	K464	8867	X						X				
OA	12/29/10	955	935	30+	8	K114	7484	X										
DUP	12/29/10	—	—	30	6	K122	6606	X						X				
Sampled by: 1 BOX RECEIVED AMBIENT FEB EX # 4108 5800 6426 CUSTOMER STAG INPAT 5 CAN, 5 FLOW, 1T-BAR, 5 C.A. TS 11411																		
Special Instructions/QC Requirements & Comments: Detection limits 1 ug/m ³ (TCE, VC, carbon tet detection limits 0.25 ug/m ³) - Please call with vac measurement prior to analysis.																		
Canisters Shipped by: Brian Sunkasikas		Date/Time: 12/30/10 1455		Canisters Received by:														
Samples Relinquished by: Brian Sunkasikas		Date/Time: 12/30/10 2455		Received by: [Signature]														
Relinquished by: [Signature]		Date/Time: 12-11-31 1700		Received by: [Signature]														

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H1A0SD479

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		☒		☒ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	1A COC U533 CAN ID FOR SAMPLE BAI AS 8867; LOT NUMBER - CAN ID IS 6576
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			☒	☐ 2a Temp Blank = ☐ 2b Cooler Temp =	
3. Were samples received with correct chemical preservative (excluding Encore)?			☒	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	☒			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	☒			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	☒			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?	☒			☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	☒			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?	☒			☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	☒			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?	☒			☐ Incomplete information	
12. For 1613B water samples is pH<9?	☒			If no, was pH adjusted to pH 7 - 9 with sulfuric acid?	
13. Are the shipping containers intact?	☒			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	☒			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	☒			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	☒			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	☒			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	☒			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	☒				

Quote #: 879316 PM Instructions: NA

Sample Receiving Associate: [Signature] Date: 1/4/11

QA026R21.doc, 090409

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: H1A050479

Initial Can Pressure					Subsequent Dilutions													
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First In-can Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third In-can Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
DVF 1-6-11	NA	28.46	MC2RQ	12337 ✓	-2.8													8864
			MC2RT	6576 ✓	-1.3													8867
			MC2RW	7484 ✓	-1.8													8874
			MC2RX	6606 ✓	-2.8													8874

Ans 11111