H3B280421 Analytical Report 1

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Scobell Chemical

Lot #: H3B280421

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TESTAMERICA LABORATORIES, INC.

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Project Manager

March 6, 2013

ANALYTICAL METHODS SUMMARY

H3B280421

PARAMETER	ANALYTICAL METHOD
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

H3B280421

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MX8D8	001	828076-IA-003B1-01	02/20/13	09:25
MX8D9	002	828076-SS-003B1-01	02/20/13	09:26
MX8EA	003	828076-IA-003B1-02	02/20/13	09:16
MX8EC	004	828076-SS-003B1-02	02/20/13	09:17
MX8ED	005	828076-IA-003B2-01	02/20/13	09:43
MX8EE	006	828076-SS-003B2-02	02/20/13	09:43
MX8EH	007	828076-IA-003B2-02	02/20/13	09:54
MX8EJ	008	828076-SS-003B2-02	02/20/13	09:55
MX8EL	009	828076-SS-003B2-03	02/20/13	09:55
MX8EM	010	828076-OA-003B2-01	02/20/13	10:18
MX8EP	011	828076-IA-003B3-04	02/20/13	11:45
MX8EQ	012	828076-SS-003B3-04	02/20/13	11:45
MX8ET	013	828076-IA-003B3-05	02/20/13	11:56
MX8EV	014	828076-SS-003B3-05	02/20/13	11:56
MX8EW	015	828076-IA-003B4-01	02/21/13	08:11
MX8EX	016	828076-SS-003B4-01	02/21/13	08:11
MX8E0	017	828076-IA-003B4-02	02/21/13	08:22
MX8E1	018	828076-SS-003B4-02	02/21/13	08:22
MX8E2	019	828076-SS-003B6-01	02/21/13	12:36
MX8E3	020	828076-IA-003B6-02	02/21/13	12:50
MX8E4	021	828076-SS-003B6-02	02/21/13	12:50
MX8E5	022	828076-IA-003B7-01	02/22/13	08:10
MX8E6	023	828076-SS-003B7-01	02/22/13	08:10
MX8E7	024	828076-IA-003B7-02	02/22/13	08:25

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
H3B280421

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

Custody seals were not present.

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.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verifications analyzed on 3/1/13, 3/2/13 and 3/4/13 exhibited a % difference of > 30% for 1,2,4-trichlorobenzene, 1,4-dioxane and/or 2-butanone, the results were within the LCS acceptance limits.

Quantitation of ethanol was based on a minimum 5-point calibration curve. The following interim criteria are being used until the method performance for this additional analyte is fully established:

- The initial calibration acceptance criteria is set at 40% RSD. Any compound greater than 40% RSD was changed to a linear or quadratic model with an r2 ≥ 0.990 acceptance criteria.
- There are no criteria for second source standard verification % D. The second source standard was independently prepared from the same parent mixture (as the primary source).
- The continuing calibration verification criteria are set at 50% D. Any compound greater than 50% D must pass the LCS criteria.
- The LCS recovery criteria are set at 20% to 180%.
- A method detection limit study has not been performed. The detection of the analyte is demonstrated by detection of the calibration standard at the reporting limit. No estimated results are reported below the reporting limit.

PROJECT NARRATIVE
H3B280421

Several samples were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Sample Data Summary

New York State D.E.C.

Client Sample ID: 828076-IA-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 001 **Work Order #** MX8D81AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 02/28/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.22**	**0.080**	**0.69**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.53**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.49**	**0.20**	**1.0**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.42**	**0.080**	**2.1**	**0.40**
Ethanol	**9.2**	**0.80**	**17**	**1.5**
Ethylbenzene	**0.13**	**0.080**	**0.56**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.26**	**0.20**	**0.93**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 001 **Work Order #** MX8D81AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.22**	**0.20**	**0.77**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.83**	**0.080**	**3.1**	**0.30**
m-Xylene & p-Xylene	**0.37**	**0.080**	**1.6**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.58**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.12**	**0.040**	**0.66**	**0.21**
Trichlorofluoromethane	**0.24**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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: 828076-SS-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 002 **Work Order #** MX8D91AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 2.5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4
1,1,2-Trichlorotrifluoroethane	ND	0.20	ND	1.5
1,1,2-Trichloroethane	ND	0.20	ND	1.1
1,1-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	ND	0.20	ND	0.98
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,2-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloropropane	ND	0.20	ND	0.92
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98
1,4-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dioxane	ND	0.50	ND	1.8
2-Butanone (MEK)	**2.7**	**0.80**	**7.9**	**2.4**
1,3-Dichlorobenzene	ND	0.20	ND	1.2
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
Benzene	**0.76**	**0.20**	**2.4**	**0.64**
Benzyl chloride	ND	0.40	ND	2.1
Bromodichloromethane	ND	0.20	ND	1.3
Bromoform	ND	0.20	ND	2.1
Bromomethane	ND	0.20	ND	0.78
Carbon tetrachloride	ND	0.10	ND	0.63
Chlorobenzene	ND	0.20	ND	0.92
Chloroethane	**4.4**	**0.20**	**12**	**0.53**
Chloroform	ND	0.20	ND	0.98
Cyclohexane	**1.5**	**0.50**	**5.1**	**1.7**
Chloromethane	ND	0.50	ND	1.0
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
cis-1,3-Dichloropropene	ND	0.20	ND	0.91
Dibromochloromethane	ND	0.20	ND	1.7
Dichlorodifluoromethane	**0.48**	**0.20**	**2.4**	**0.99**
Ethanol	**8.5**	**2.0**	**16**	**3.8**
Ethylbenzene	**0.43**	**0.20**	**1.9**	**0.87**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
n-Hexane	**3.1**	**0.50**	**11**	**1.8**
Hexachlorobutadiene	ND	0.20	ND	2.1

New York State D.E.C.

Client Sample ID: 828076-SS-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 002 **Work Order #** MX8D91AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Methyl tert-butyl ether	ND	0.40	ND	1.4
Methylene chloride	**1.1**	**0.50**	**3.9**	**1.7**
Styrene	ND	0.20	ND	0.85
tert-Butyl alcohol	ND	0.80	ND	2.4
Tetrachloroethene	**0.73**	**0.20**	**4.9**	**1.4**
Toluene	**2.5**	**0.20**	**9.3**	**0.75**
m-Xylene & p-Xylene	**0.93**	**0.20**	**4.0**	**0.87**
o-Xylene	**0.29**	**0.20**	**1.3**	**0.87**
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
Trichloroethene	**16**	**0.10**	**86**	**0.54**
Trichlorofluoromethane	**0.28**	**0.20**	**1.5**	**1.1**
Vinyl chloride	ND	0.20	ND	0.51

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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: 828076-IA-003B1-02

GC/MS Volatiles

Lot-Sample #	H3B280421 - 003	**Work Order #**	MX8EA1AA	**Matrix.....:**	AIR
Date Sampled...:	02/20/2013	**Date Received..:**	02/28/2013		
Prep Date.....:	02/28/2013	**Analysis Date...**	02/28/2013		
Prep Batch #.....:	3060017				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.18**	**0.080**	**0.72**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.17**	**0.080**	**0.56**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	**0.094**	**0.080**	**0.63**	**0.54**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.094**	**0.040**	**0.59**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.1**	**0.080**	**5.1**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.64**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.34**	**0.080**	**1.7**	**0.40**
Ethanol	**25**	**0.80**	**48**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.22**	**0.20**	**0.77**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B1-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 003 **Work Order #** MX8EA1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	**0.20**	**0.20**	**0.84**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.41**	**0.080**	**1.5**	**0.30**
m-Xylene & p-Xylene	**0.20**	**0.080**	**0.87**	**0.35**
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.27**	**0.040**	**1.5**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	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: 828076-SS-003B1-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 004 **Work Order #** MX8EC1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/02/2013 **Analysis Date...** 03/03/2013
Prep Batch #.....: 3063014
Dilution Factor.: 25 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	2.0	ND	11
1,1,2,2-Tetrachloroethane	ND	2.0	ND	14
1,1,2-Trichlorotrifluoroethane	ND	2.0	ND	15
1,1,2-Trichloroethane	ND	2.0	ND	11
1,1-Dichloroethane	ND	2.0	ND	8.1
1,1-Dichloroethene	ND	2.0	ND	7.9
1,2,4-Trichlorobenzene	ND	2.0	ND	15
1,2,4-Trimethylbenzene	ND	2.0	ND	9.8
1,2-Dibromoethane (EDB)	ND	2.0	ND	15
1,2-Dichlorobenzene	ND	2.0	ND	12
1,2-Dichloroethane	ND	2.0	ND	8.1
1,2-Dichloropropane	ND	2.0	ND	9.2
1,3,5-Trimethylbenzene	ND	2.0	ND	9.8
1,4-Dichlorobenzene	ND	2.0	ND	12
1,4-Dioxane	ND	5.0	ND	18
2-Butanone (MEK)	ND	8.0	ND	24
1,3-Dichlorobenzene	ND	2.0	ND	12
2,2,4-Trimethylpentane	ND	5.0	ND	23
Benzene	ND	2.0	ND	6.4
Benzyl chloride	ND	4.0	ND	21
Bromodichloromethane	ND	2.0	ND	13
Bromoform	ND	2.0	ND	21
Bromomethane	ND	2.0	ND	7.8
Carbon tetrachloride	ND	1.0	ND	6.3
Chlorobenzene	ND	2.0	ND	9.2
Chloroethane	**2.2**	**2.0**	**5.9**	**5.3**
Chloroform	ND	2.0	ND	9.8
Cyclohexane	ND	5.0	ND	17
Chloromethane	ND	5.0	ND	10
cis-1,2-Dichloroethene	**2.5**	**2.0**	**9.9**	**7.9**
cis-1,3-Dichloropropene	ND	2.0	ND	9.1
Dibromochloromethane	ND	2.0	ND	17
Dichlorodifluoromethane	ND	2.0	ND	9.9
Ethanol	ND	20	ND	38
Ethylbenzene	ND	2.0	ND	8.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND	14
n-Hexane	ND	5.0	ND	18
Hexachlorobutadiene	ND	2.0	ND	21

New York State D.E.C.

Client Sample ID: 828076-SS-003B1-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 004 **Work Order #** MX8EC1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	5.0	ND	20
Methyl tert-butyl ether	ND	4.0	ND	14
Methylene chloride	ND	5.0	ND	17
Styrene	ND	2.0	ND	8.5
tert-Butyl alcohol	ND	8.0	ND	24
Tetrachloroethene	**3.6**	**2.0**	**24**	**14**
Toluene	ND	2.0	ND	7.5
m-Xylene & p-Xylene	**2.3**	**2.0**	**10**	**8.7**
o-Xylene	ND	2.0	ND	8.7
trans-1,2-Dichloroethene	ND	2.0	ND	7.9
trans-1,3-Dichloropropene	ND	2.0	ND	9.1
Trichloroethene	**110**	**1.0**	**600**	**5.4**
Trichlorofluoromethane	ND	2.0	ND	11
Vinyl chloride	ND	2.0	ND	5.1

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	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: 828076-IA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 005 **Work Order #** MX8ED1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 02/28/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	**0.33**	**0.080**	**1.8**	**0.44**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.37**	**0.080**	**1.8**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.097**	**0.080**	**0.48**	**0.39**
1,4-Dichlorobenzene	**0.12**	**0.080**	**0.75**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**1.3**	**0.32**	**4.0**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.75**	**0.20**	**3.5**	**0.93**
Benzene	**0.40**	**0.080**	**1.3**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.080**	**0.040**	**0.50**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	**0.38**	**0.20**	**1.3**	**0.69**
Chloromethane	**0.54**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
Ethanol	**44**	**0.80**	**83**	**1.5**
Ethylbenzene	**0.38**	**0.080**	**1.7**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**1.1**	**0.20**	**3.8**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

New York State D.E.C.

Client Sample ID: 828076-IA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 005 **Work Order #** MX8ED1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.77**	**0.20**	**2.7**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.098**	**0.080**	**0.67**	**0.54**
Toluene	**2.2**	**0.080**	**8.2**	**0.30**
m-Xylene & p-Xylene	**1.2**	**0.080**	**5.3**	**0.35**
o-Xylene	**0.47**	**0.080**	**2.0**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.25**	**0.040**	**1.4**	**0.21**
Trichlorofluoromethane	**0.30**	**0.080**	**1.7**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 006 **Work Order #** MX8EE1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.52**	**0.40**	**2.6**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**0.62**	**0.40**	**1.6**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.48**	**0.40**	**2.4**	**2.0**
Ethanol	**5.9**	**4.0**	**11**	**7.5**
Ethylbenzene	**0.70**	**0.40**	**3.1**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 006 **Work Order #** MX8EE1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**4.5**	**0.80**	**16**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.63**	**0.40**	**2.7**	**1.7**
tert-Butyl alcohol	**2.5**	**1.6**	**7.6**	**4.9**
Tetrachloroethene	**0.50**	**0.40**	**3.4**	**2.7**
Toluene	**4.9**	**0.40**	**19**	**1.5**
m-Xylene & p-Xylene	**2.8**	**0.40**	**12**	**1.7**
o-Xylene	**0.90**	**0.40**	**3.9**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**1.9**	**0.20**	**10**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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: 828076-IA-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 007 **Work Order #** MX8EH1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.35**	**0.20**	**1.7**	**0.93**
Benzene	**0.27**	**0.080**	**0.86**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.087**	**0.040**	**0.54**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	**0.21**	**0.20**	**0.74**	**0.69**
Chloromethane	**0.56**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
Ethanol	**13**	**0.80**	**24**	**1.5**
Ethylbenzene	**0.12**	**0.080**	**0.53**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.44**	**0.20**	**1.6**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 007 **Work Order #** MX8EH1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.42**	**0.20**	**1.5**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.75**	**0.080**	**2.8**	**0.30**
m-Xylene & p-Xylene	**0.36**	**0.080**	**1.6**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.55**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.089**	**0.040**	**0.48**	**0.21**
Trichlorofluoromethane	**0.23**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 008 **Work Order #** MX8EJ1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	ND	0.40	ND	2.0
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	ND	0.40	ND	1.1
Chloroform	ND	0.40	ND	2.0
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	**1.4**	**1.0**	**2.8**	**2.1**
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.42**	**0.40**	**2.1**	**2.0**
Ethanol	**4.8**	**4.0**	**9.0**	**7.5**
Ethylbenzene	ND	0.40	ND	1.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 008 **Work Order #** MX8EJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**2.7**	**0.80**	**9.7**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	ND	0.40	ND	1.7
tert-Butyl alcohol	**2.5**	**1.6**	**7.6**	**4.9**
Tetrachloroethene	**0.89**	**0.40**	**6.1**	**2.7**
Toluene	**1.1**	**0.40**	**4.1**	**1.5**
m-Xylene & p-Xylene	**1.4**	**0.40**	**6.1**	**1.7**
o-Xylene	**0.46**	**0.40**	**2.0**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**16**	**0.20**	**85**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	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: 828076-SS-003B2-03

GC/MS Volatiles

Lot-Sample # H3B280421 - 009 **Work Order #** MX8EL1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.41**	**0.40**	**2.0**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	ND	0.40	ND	1.1
Chloroform	ND	0.40	ND	2.0
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	ND	0.40	ND	2.0
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	**0.42**	**0.40**	**1.8**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B2-03

GC/MS Volatiles

Lot-Sample # H3B280421 - 009 **Work Order #** MX8EL1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**4.0**	**0.80**	**15**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.49**	**0.40**	**2.1**	**1.7**
tert-Butyl alcohol	**3.0**	**1.6**	**9.0**	**4.9**
Tetrachloroethene	**1.2**	**0.40**	**7.9**	**2.7**
Toluene	**1.3**	**0.40**	**4.7**	**1.5**
m-Xylene & p-Xylene	**1.9**	**0.40**	**8.2**	**1.7**
o-Xylene	**0.62**	**0.40**	**2.7**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**21**	**0.20**	**110**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	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: 828076-OA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 010 **Work Order #** MX8EM1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.21**	**0.20**	**0.96**	**0.93**
Benzene	**0.23**	**0.080**	**0.73**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.65**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.46**	**0.080**	**2.3**	**0.40**
Ethanol	**5.1**	**0.80**	**9.6**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.26**	**0.20**	**0.93**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-OA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 010 **Work Order #** MX8EM1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.48**	**0.080**	**1.8**	**0.30**
m-Xylene & p-Xylene	**0.20**	**0.080**	**0.87**	**0.35**
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.25**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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: 828076-IA-003B3-04

GC/MS Volatiles

Lot-Sample # H3B280421 - 011 **Work Order #** MX8EP1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.37**	**0.32**	**1.1**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.22**	**0.080**	**0.71**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.098**	**0.040**	**0.62**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.088**	**0.080**	**0.43**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.61**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.43**	**0.080**	**2.1**	**0.40**
Ethanol	**35**	**0.80**	**66**	**1.5**
Ethylbenzene	**0.086**	**0.080**	**0.38**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.25**	**0.20**	**0.89**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B3-04

GC/MS Volatiles

Lot-Sample # H3B280421 - 011 **Work Order #** MX8EP1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.64**	**0.080**	**2.4**	**0.30**
m-Xylene & p-Xylene	**0.26**	**0.080**	**1.1**	**0.35**
o-Xylene	**0.088**	**0.080**	**0.38**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.080**	**0.040**	**0.43**	**0.21**
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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: 828076-SS-003B3-04

GC/MS Volatiles

Lot-Sample # H3B280421 - 012 **Work Order #** MX8EQ1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.69**	**0.40**	**3.4**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	**2.0**	**1.6**	**5.9**	**4.7**
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**0.82**	**0.40**	**2.6**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**1.1**	**0.40**	**2.8**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	**1.8**	**1.0**	**6.3**	**3.4**
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.40**	**0.40**	**2.0**	**2.0**
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	**0.92**	**0.40**	**4.0**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**3.2**	**1.0**	**11**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B3-04

GC/MS Volatiles

Lot-Sample # H3B280421 - 012 **Work Order #** MX8EQ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**7.9**	**0.80**	**29**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.74**	**0.40**	**3.2**	**1.7**
tert-Butyl alcohol	**6.7**	**1.6**	**20**	**4.9**
Tetrachloroethene	**0.44**	**0.40**	**3.0**	**2.7**
Toluene	**3.3**	**0.40**	**12**	**1.5**
m-Xylene & p-Xylene	**3.6**	**0.40**	**16**	**1.7**
o-Xylene	**1.3**	**0.40**	**5.6**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**3.5**	**0.20**	**19**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	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: 828076-IA-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 013 **Work Order #** MX8ET1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.19**	**0.080**	**0.60**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.098**	**0.040**	**0.62**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.10**	**0.080**	**0.50**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.62**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.48**	**0.080**	**2.4**	**0.40**
Ethanol	**47**	**0.80**	**89**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.32**	**0.20**	**1.1**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 013 **Work Order #** MX8ET1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.27**	**0.080**	**1.0**	**0.30**
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.18**	**0.040**	**0.96**	**0.21**
Trichlorofluoromethane	**0.38**	**0.080**	**2.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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: 828076-SS-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 014 **Work Order #** MX8EV1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.89**	**0.40**	**4.4**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	**0.60**	**0.40**	**2.4**	**1.6**
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	**6.6**	**1.6**	**19**	**4.7**
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**0.72**	**0.40**	**2.3**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**8.4**	**0.40**	**22**	**1.1**
Chloroform	**0.48**	**0.40**	**2.3**	**2.0**
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	ND	0.40	ND	2.0
Ethanol	**8.1**	**4.0**	**15**	**7.5**
Ethylbenzene	**1.1**	**0.40**	**4.6**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**1.7**	**1.0**	**5.9**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 014 **Work Order #** MX8EV1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**15**	**0.80**	**53**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**1.1**	**0.40**	**4.9**	**1.7**
tert-Butyl alcohol	**13**	**1.6**	**39**	**4.9**
Tetrachloroethene	**2.0**	**0.40**	**14**	**2.7**
Toluene	**3.0**	**0.40**	**11**	**1.5**
m-Xylene & p-Xylene	**4.4**	**0.40**	**19**	**1.7**
o-Xylene	**1.5**	**0.40**	**6.7**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**35**	**0.20**	**190**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

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: 828076-IA-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 015 **Work Order #** MX8EW1AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.95**	**0.080**	**4.7**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.27**	**0.080**	**1.3**	**0.39**
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.81**	**0.32**	**2.4**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**2.9**	**0.20**	**13**	**0.93**
Benzene	**1.4**	**0.080**	**4.5**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	**0.081**	**0.080**	**0.55**	**0.54**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.53**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.41**	**0.080**	**2.0**	**0.39**
Cyclohexane	**1.3**	**0.20**	**4.5**	**0.69**
Chloromethane	**0.52**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
Ethanol	**74**	**0.80**	**140**	**1.5**
Ethylbenzene	**1.2**	**0.080**	**5.4**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**3.3**	**0.20**	**12**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

New York State D.E.C.

Client Sample ID: 828076-IA-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 015 **Work Order #** MX8EW1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.56**	**0.20**	**1.9**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.11**	**0.080**	**0.76**	**0.54**
Toluene	**7.5**	**0.080**	**28**	**0.30**
m-Xylene & p-Xylene	**4.2**	**0.080**	**18**	**0.35**
o-Xylene	**1.5**	**0.080**	**6.5**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.041**	**0.040**	**0.22**	**0.21**
Trichlorofluoromethane	**0.52**	**0.080**	**2.9**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

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)

New York State D.E.C.

Client Sample ID: 828076-SS-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 016 **Work Order #** MX8EX1AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.71**	**0.40**	**3.5**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**0.61**	**0.40**	**1.9**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**1.3**	**0.40**	**3.4**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	**1.2**	**1.0**	**4.0**	**3.4**
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	ND	0.40	ND	2.0
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	**0.94**	**0.40**	**4.1**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**1.8**	**1.0**	**6.2**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 016 **Work Order #** MX8EX1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**8.5**	**0.80**	**31**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.86**	**0.40**	**3.7**	**1.7**
tert-Butyl alcohol	**6.6**	**1.6**	**20**	**4.9**
Tetrachloroethene	ND	0.40	ND	2.7
Toluene	**2.9**	**0.40**	**11**	**1.5**
m-Xylene & p-Xylene	**3.8**	**0.40**	**16**	**1.7**
o-Xylene	**1.3**	**0.40**	**5.9**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**1.4**	**0.20**	**7.8**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

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: 828076-IA-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 017 **Work Order #** MX8E01AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.086**	**0.080**	**0.42**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**9.0**	**0.32**	**27**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.18**	**0.080**	**0.56**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.083**	**0.040**	**0.52**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.56**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.45**	**0.080**	**2.2**	**0.40**
Ethanol	**15**	**0.80**	**29**	**1.5**
Ethylbenzene	**0.10**	**0.080**	**0.43**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 017 **Work Order #** MX8E01AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.49**	**0.080**	**1.9**	**0.30**
m-Xylene & p-Xylene	**0.31**	**0.080**	**1.3**	**0.35**
o-Xylene	**0.12**	**0.080**	**0.52**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.24**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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: 828076-SS-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 018 **Work Order #** MX8E11AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/04/2013 **Analysis Date...** 03/04/2013
Prep Batch #.....: 3063050
Dilution Factor.: 2.5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4
1,1,2-Trichlorotrifluoroethane	ND	0.20	ND	1.5
1,1,2-Trichloroethane	ND	0.20	ND	1.1
1,1-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	**0.63**	**0.20**	**3.1**	**0.98**
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,2-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloropropane	ND	0.20	ND	0.92
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98
1,4-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dioxane	ND	0.50	ND	1.8
2-Butanone (MEK)	**1.8**	**0.80**	**5.2**	**2.4**
1,3-Dichlorobenzene	ND	0.20	ND	1.2
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
Benzene	ND	0.20	ND	0.64
Benzyl chloride	ND	0.40	ND	2.1
Bromodichloromethane	ND	0.20	ND	1.3
Bromoform	ND	0.20	ND	2.1
Bromomethane	ND	0.20	ND	0.78
Carbon tetrachloride	ND	0.10	ND	0.63
Chlorobenzene	ND	0.20	ND	0.92
Chloroethane	ND	0.20	ND	0.53
Chloroform	**0.33**	**0.20**	**1.6**	**0.98**
Cyclohexane	ND	0.50	ND	1.7
Chloromethane	ND	0.50	ND	1.0
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
cis-1,3-Dichloropropene	ND	0.20	ND	0.91
Dibromochloromethane	ND	0.20	ND	1.7
Dichlorodifluoromethane	**0.37**	**0.20**	**1.8**	**0.99**
Ethanol	**6.0**	**2.0**	**11**	**3.8**
Ethylbenzene	**0.75**	**0.20**	**3.3**	**0.87**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
n-Hexane	ND	0.50	ND	1.8
Hexachlorobutadiene	ND	0.20	ND	2.1

New York State D.E.C.

Client Sample ID: 828076-SS-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 018 **Work Order #** MX8E11AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Methyl tert-butyl ether	**5.1**	**0.40**	**18**	**1.4**
Methylene chloride	ND	0.50	ND	1.7
Styrene	**0.79**	**0.20**	**3.4**	**0.85**
tert-Butyl alcohol	**4.5**	**0.80**	**14**	**2.4**
Tetrachloroethene	**1.3**	**0.20**	**8.7**	**1.4**
Toluene	**1.9**	**0.20**	**7.1**	**0.75**
m-Xylene & p-Xylene	**3.1**	**0.20**	**14**	**0.87**
o-Xylene	**1.1**	**0.20**	**4.8**	**0.87**
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
Trichloroethene	**20**	**0.10**	**110**	**0.54**
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**	**1.1**
Vinyl chloride	ND	0.20	ND	0.51

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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: 828076-SS-003B6-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 019 **Work Order #** MX8E21AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/02/2013 **Analysis Date...** 03/03/2013
Prep Batch #.....: 3063014
Dilution Factor.: 25 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	2.0	ND	11
1,1,2,2-Tetrachloroethane	ND	2.0	ND	14
1,1,2-Trichlorotrifluoroethane	ND	2.0	ND	15
1,1,2-Trichloroethane	ND	2.0	ND	11
1,1-Dichloroethane	ND	2.0	ND	8.1
1,1-Dichloroethene	ND	2.0	ND	7.9
1,2,4-Trichlorobenzene	ND	2.0	ND	15
1,2,4-Trimethylbenzene	ND	2.0	ND	9.8
1,2-Dibromoethane (EDB)	ND	2.0	ND	15
1,2-Dichlorobenzene	ND	2.0	ND	12
1,2-Dichloroethane	ND	2.0	ND	8.1
1,2-Dichloropropane	ND	2.0	ND	9.2
1,3,5-Trimethylbenzene	ND	2.0	ND	9.8
1,4-Dichlorobenzene	ND	2.0	ND	12
1,4-Dioxane	ND	5.0	ND	18
2-Butanone (MEK)	ND	8.0	ND	24
1,3-Dichlorobenzene	ND	2.0	ND	12
2,2,4-Trimethylpentane	ND	5.0	ND	23
Benzene	ND	2.0	ND	6.4
Benzyl chloride	ND	4.0	ND	21
Bromodichloromethane	ND	2.0	ND	13
Bromoform	ND	2.0	ND	21
Bromomethane	ND	2.0	ND	7.8
Carbon tetrachloride	ND	1.0	ND	6.3
Chlorobenzene	ND	2.0	ND	9.2
Chloroethane	ND	2.0	ND	5.3
Chloroform	ND	2.0	ND	9.8
Cyclohexane	ND	5.0	ND	17
Chloromethane	ND	5.0	ND	10
cis-1,2-Dichloroethene	ND	2.0	ND	7.9
cis-1,3-Dichloropropene	ND	2.0	ND	9.1
Dibromochloromethane	ND	2.0	ND	17
Dichlorodifluoromethane	ND	2.0	ND	9.9
Ethanol	**120**	**20**	**220**	**38**
Ethylbenzene	ND	2.0	ND	8.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND	14
n-Hexane	ND	5.0	ND	18

New York State D.E.C.

Client Sample ID: 828076-SS-003B6-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 019 **Work Order #** MX8E21AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	2.0	ND	21
4-Methyl-2-pentanone (MIBK)	ND	5.0	ND	20
Methyl tert-butyl ether	ND	4.0	ND	14
Methylene chloride	ND	5.0	ND	17
Styrene	ND	2.0	ND	8.5
tert-Butyl alcohol	ND	8.0	ND	24
Tetrachloroethene	**4.4**	**2.0**	**30**	**14**
Toluene	**5.7**	**2.0**	**21**	**7.5**
m-Xylene & p-Xylene	**2.7**	**2.0**	**12**	**8.7**
o-Xylene	ND	2.0	ND	8.7
trans-1,2-Dichloroethene	ND	2.0	ND	7.9
trans-1,3-Dichloropropene	ND	2.0	ND	9.1
Trichloroethene	**130**	**1.0**	**710**	**5.4**
Trichlorofluoromethane	ND	2.0	ND	11
Vinyl chloride	ND	2.0	ND	5.1

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	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: 828076-IA-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 020 **Work Order #** MX8E31AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.13**	**0.080**	**0.64**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.17**	**0.080**	**0.55**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.076**	**0.040**	**0.48**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.49**	**0.20**	**1.0**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.42**	**0.080**	**2.1**	**0.40**
Ethanol	**11**	**0.80**	**21**	**1.5**
Ethylbenzene	**0.14**	**0.080**	**0.61**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 020 **Work Order #** MX8E31AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.27**	**0.20**	**0.93**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.74**	**0.080**	**2.8**	**0.30**
m-Xylene & p-Xylene	**0.48**	**0.080**	**2.1**	**0.35**
o-Xylene	**0.18**	**0.080**	**0.78**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.047**	**0.040**	**0.25**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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: 828076-SS-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 021 **Work Order #** MX8E41AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/02/2013 **Analysis Date...** 03/03/2013
Prep Batch #.....: 3063014
Dilution Factor.: 20 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	1.6	ND	8.7
1,1,2,2-Tetrachloroethane	ND	1.6	ND	11
1,1,2-Trichlorotrifluoroethane	ND	1.6	ND	12
1,1,2-Trichloroethane	ND	1.6	ND	8.7
1,1-Dichloroethane	ND	1.6	ND	6.5
1,1-Dichloroethene	ND	1.6	ND	6.3
1,2,4-Trichlorobenzene	ND	1.6	ND	12
1,2,4-Trimethylbenzene	ND	1.6	ND	7.9
1,2-Dibromoethane (EDB)	ND	1.6	ND	12
1,2-Dichlorobenzene	ND	1.6	ND	9.6
1,2-Dichloroethane	ND	1.6	ND	6.5
1,2-Dichloropropane	ND	1.6	ND	7.4
1,3,5-Trimethylbenzene	ND	1.6	ND	7.9
1,4-Dichlorobenzene	ND	1.6	ND	9.6
1,4-Dioxane	ND	4.0	ND	14
2-Butanone (MEK)	ND	6.4	ND	19
1,3-Dichlorobenzene	ND	1.6	ND	9.6
2,2,4-Trimethylpentane	ND	4.0	ND	19
Benzene	**2.1**	**1.6**	**6.7**	**5.1**
Benzyl chloride	ND	3.2	ND	17
Bromodichloromethane	ND	1.6	ND	11
Bromoform	ND	1.6	ND	17
Bromomethane	ND	1.6	ND	6.2
Carbon tetrachloride	ND	0.80	ND	5.0
Chlorobenzene	ND	1.6	ND	7.4
Chloroethane	**4.0**	**1.6**	**11**	**4.2**
Chloroform	ND	1.6	ND	7.8
Cyclohexane	**5.0**	**4.0**	**17**	**14**
Chloromethane	ND	4.0	ND	8.3
cis-1,2-Dichloroethene	ND	1.6	ND	6.3
cis-1,3-Dichloropropene	ND	1.6	ND	7.3
Dibromochloromethane	ND	1.6	ND	14
Dichlorodifluoromethane	ND	1.6	ND	7.9
Ethanol	ND	16	ND	30
Ethylbenzene	ND	1.6	ND	6.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.6	ND	11
n-Hexane	**11**	**4.0**	**40**	**14**
Hexachlorobutadiene	ND	1.6	ND	17

New York State D.E.C.

Client Sample ID: 828076-SS-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 021 **Work Order #** MX8E41AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	4.0	ND	16
Methyl tert-butyl ether	**5.2**	**3.2**	**19**	**12**
Methylene chloride	ND	4.0	ND	14
Styrene	ND	1.6	ND	6.8
tert-Butyl alcohol	ND	6.4	ND	19
Tetrachloroethene	**9.5**	**1.6**	**64**	**11**
Toluene	**4.6**	**1.6**	**17**	**6.0**
m-Xylene & p-Xylene	**3.0**	**1.6**	**13**	**6.9**
o-Xylene	ND	1.6	ND	6.9
trans-1,2-Dichloroethene	ND	1.6	ND	6.3
trans-1,3-Dichloropropene	ND	1.6	ND	7.3
Trichloroethene	**72**	**0.80**	**390**	**4.3**
Trichlorofluoromethane	ND	1.6	ND	9.0
Vinyl chloride	ND	1.6	ND	4.1

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	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: 828076-IA-003B7-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 022 **Work Order #** MX8E51AA **Matrix.....:** AIR

Date Sampled...: 02/22/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.11**	**0.080**	**0.53**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.18**	**0.080**	**0.58**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.083**	**0.040**	**0.52**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.50**	**0.20**	**1.0**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.44**	**0.080**	**2.2**	**0.40**
Ethanol	**29**	**0.80**	**55**	**1.5**
Ethylbenzene	**0.084**	**0.080**	**0.36**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B7-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 022 **Work Order #** MX8E51AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	**0.21**	**0.20**	**0.86**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.60**	**0.20**	**2.1**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.60**	**0.080**	**2.3**	**0.30**
m-Xylene & p-Xylene	**0.22**	**0.080**	**0.95**	**0.35**
o-Xylene	**0.083**	**0.080**	**0.36**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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: 828076-SS-003B7-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 023 **Work Order #** MX8E61AA **Matrix.....:** AIR

Date Sampled...: 02/22/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/02/2013 **Analysis Date...** 03/03/2013
Prep Batch #.....: 3063014
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.81**	**0.40**	**4.0**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**2.8**	**0.40**	**8.9**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**9.6**	**0.40**	**25**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	**5.4**	**1.0**	**19**	**3.4**
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.42**	**0.40**	**2.1**	**2.0**
Ethanol	**7.5**	**4.0**	**14**	**7.5**
Ethylbenzene	**1.1**	**0.40**	**4.8**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**12**	**1.0**	**41**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B7-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 023 **Work Order #** MX8E61AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**5.8**	**0.80**	**21**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.53**	**0.40**	**2.3**	**1.7**
tert-Butyl alcohol	**5.3**	**1.6**	**16**	**4.9**
Tetrachloroethene	ND	0.40	ND	2.7
Toluene	**6.7**	**0.40**	**25**	**1.5**
m-Xylene & p-Xylene	**4.9**	**0.40**	**21**	**1.7**
o-Xylene	**1.5**	**0.40**	**6.7**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	ND	0.20	ND	1.1
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	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: 828076-IA-003B7-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 024 **Work Order #** MX8E71AA **Matrix.....:** AIR

Date Sampled...: 02/22/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.084**	**0.080**	**0.41**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.11**	**0.080**	**0.46**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.18**	**0.080**	**0.57**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.53**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.11**	**0.080**	**0.51**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.51**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.50**	**0.080**	**2.5**	**0.40**
Ethanol	**16**	**0.80**	**31**	**1.5**
Ethylbenzene	**0.10**	**0.080**	**0.44**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B7-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 024 **Work Order #** MX8E71AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.54**	**0.080**	**2.0**	**0.30**
m-Xylene & p-Xylene	**0.32**	**0.080**	**1.4**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.57**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.25**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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 #	H3C010000 - 017B	**Work Order #**	MX8QX1AA	**Matrix.....:**	AIR
	02/20/2013	**Date Received..:**	02/28/2013		
Prep Date.....:	02/28/2013	**Analysis Date...**	02/28/2013		
Prep Batch #.....:	3060017				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C010000 - 017B **Work Order #** MX8QX1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

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: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C010000 - 017C **Work Order #** MX8QX1AC **Matrix.....:** AIR

	02/20/2013	**Date Received..:**	02/28/2013
Prep Date.....:	02/28/2013	**Analysis Date...**	02/28/2013
Prep Batch #.....:	3060017		
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
1,1,1-Trichloroethane	5.00	5.08	27	27.7	102	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.05	34	34.7	101	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.50	38	34.5	90	70 - 130
1,1,2-Trichloroethane	5.00	5.03	27	27.4	101	70 - 130
1,1-Dichloroethane	5.00	5.10	20	20.6	102	70 - 130
1,1-Dichloroethene	5.00	4.36	20	17.3	87	70 - 130
1,2,4-Trichlorobenzene	5.00	4.17	37	31.0	83	60 - 140
1,2,4-Trimethylbenzene	5.00	4.87	25	24.0	97	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.05	38	38.8	101	70 - 130
1,2-Dichlorobenzene	5.00	4.69	30	28.2	94	70 - 130
1,2-Dichloroethane	5.00	5.04	20	20.4	101	70 - 130
1,2-Dichloropropane	5.00	5.13	23	23.7	103	70 - 130
1,3,5-Trimethylbenzene	5.00	4.77	25	23.4	95	70 - 130
1,4-Dichlorobenzene	5.00	4.67	30	28.1	93	70 - 130
1,4-Dioxane	5.00	4.82	18	17.4	96	60 - 140
2-Butanone (MEK)	5.00	4.95	15	14.6	99	60 - 140
1,3-Dichlorobenzene	5.00	4.66	30	28.0	93	70 - 130
2,2,4-Trimethylpentane	5.00	5.33	23	24.9	107	70 - 130
Benzene	5.00	4.83	16	15.4	97	70 - 130
Benzyl chloride	5.00	5.18	26	26.8	104	70 - 130
Bromodichloromethane	5.00	5.41	34	36.3	108	70 - 130
Bromoform	5.00	5.50	52	56.9	110	60 - 140
Bromomethane	5.00	5.25	19	20.4	105	70 - 130
Carbon tetrachloride	5.00	5.22	31	32.8	104	70 - 130
Chlorobenzene	5.00	4.79	23	22.1	96	70 - 130
Chloroethane	5.00	5.33	13	14.1	107	70 - 130
Chloroform	5.00	5.04	24	24.6	101	70 - 130
Cyclohexane	5.00	5.18	17	17.8	104	70 - 130
Chloromethane	5.00	5.38	10	11.1	108	60 - 140
cis-1,2-Dichloroethene	5.00	4.75	20	18.8	95	70 - 130
cis-1,3-Dichloropropene	5.00	5.19	23	23.6	104	70 - 130
Dibromochloromethane	5.00	5.29	43	45.0	106	70 - 130
Dichlorodifluoromethane	5.00	5.38	25	26.6	108	60 - 140
Ethanol	25.0	23.2	47	43.8	93	20 - 180
Ethylbenzene	5.00	4.81	22	20.9	96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.25	35	36.7	105	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C010000 - 017C **Work Order #** MX8QX1AC **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
n-Hexane	5.00	5.35	18	18.9	107	70 - 130
Hexachlorobutadiene	5.00	4.07	53	43.4	81	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	5.60	20	23.0	112	60 - 140
Methyl tert-butyl ether	5.00	5.29	18	19.1	106	60 - 140
Methylene chloride	5.00	4.62	17	16.0	92	70 - 130
Styrene	5.00	5.13	21	21.8	103	70 - 130
tert-Butyl alcohol	5.00	5.16	15	15.6	103	60 - 140
Tetrachloroethene	5.00	4.68	34	31.8	94	70 - 130
Toluene	5.00	4.73	19	17.8	95	70 - 130
m-Xylene & p-Xylene	10.0	9.80	43	42.5	98	70 - 130
o-Xylene	5.00	4.89	22	21.2	98	70 - 130
trans-1,2-Dichloroethene	5.00	5.04	20	20.0	101	70 - 130
trans-1,3-Dichloropropene	5.00	5.00	23	22.7	100	70 - 130
Trichloroethene	5.00	4.82	27	25.9	96	70 - 130
Trichlorofluoromethane	5.00	5.29	28	29.7	106	60 - 140
Vinyl chloride	5.00	5.43	13	13.9	109	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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 #	H3C020000 - 010B	**Work Order #**	MX8861AA	**Matrix.....:**	AIR
	02/20/2013	**Date Received..:**	02/28/2013		
Prep Date.....:	03/01/2013	**Analysis Date...**	03/01/2013		
Prep Batch #.....:	3061010				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C020000 - 010B **Work Order #** MX8861AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	90	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 # H3C020000 - 010C **Work Order #** MX8861AC **Matrix.....:** AIR

	02/20/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/01/2013	**Analysis Date...**	03/01/2013
Prep Batch #.....:	3061010		
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
1,1,1-Trichloroethane	5.00	4.54	27	24.8	91	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.50	34	30.9	90	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.23	38	32.4	85	70 - 130
1,1,2-Trichloroethane	5.00	4.82	27	26.3	96	70 - 130
1,1-Dichloroethane	5.00	3.90	20	15.8	78	70 - 130
1,1-Dichloroethene	5.00	4.12	20	16.3	82	70 - 130
1,2,4-Trichlorobenzene	5.00	3.21	37	23.9	64	60 - 140
1,2,4-Trimethylbenzene	5.00	4.63	25	22.8	93	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.93	38	37.9	99	70 - 130
1,2-Dichlorobenzene	5.00	4.78	30	28.8	96	70 - 130
1,2-Dichloroethane	5.00	4.93	20	19.9	99	70 - 130
1,2-Dichloropropane	5.00	4.41	23	20.4	88	70 - 130
1,3,5-Trimethylbenzene	5.00	4.49	25	22.1	90	70 - 130
1,4-Dichlorobenzene	5.00	4.79	30	28.8	96	70 - 130
1,4-Dioxane	5.00	3.14	18	11.3	63	60 - 140
2-Butanone (MEK)	5.00	3.12	15	9.20	62	60 - 140
1,3-Dichlorobenzene	5.00	4.87	30	29.3	97	70 - 130
2,2,4-Trimethylpentane	5.00	4.74	23	22.2	95	70 - 130
Benzene	5.00	4.56	16	14.6	91	70 - 130
Benzyl chloride	5.00	4.72	26	24.4	94	70 - 130
Bromodichloromethane	5.00	5.36	34	35.9	107	70 - 130
Bromoform	5.00	5.54	52	57.3	111	60 - 140
Bromomethane	5.00	6.04	19	23.4	121	70 - 130
Carbon tetrachloride	5.00	5.40	31	34.0	108	70 - 130
Chlorobenzene	5.00	5.02	23	23.1	100	70 - 130
Chloroethane	5.00	5.74	13	15.1	115	70 - 130
Chloroform	5.00	4.30	24	21.0	86	70 - 130
Cyclohexane	5.00	4.92	17	16.9	98	70 - 130
Chloromethane	5.00	4.65	10	9.60	93	60 - 140
cis-1,2-Dichloroethene	5.00	4.09	20	16.2	82	70 - 130
cis-1,3-Dichloropropene	5.00	4.93	23	22.4	99	70 - 130
Dibromochloromethane	5.00	5.49	43	46.8	110	70 - 130
Dichlorodifluoromethane	5.00	5.03	25	24.9	101	60 - 140
Ethanol	25.0	16.9	47	31.8	67	20 - 180
Ethylbenzene	5.00	4.65	22	20.2	93	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.82	35	40.7	116	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C020000 - 010C **Work Order #** MX8861AC **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
n-Hexane	5.00	4.14	18	14.6	83	70 - 130
Hexachlorobutadiene	5.00	3.80	53	40.5	76	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	4.02	20	16.5	80	60 - 140
Methyl tert-butyl ether	5.00	3.86	18	13.9	77	60 - 140
Methylene chloride	5.00	3.93	17	13.7	79	70 - 130
Styrene	5.00	4.76	21	20.3	95	70 - 130
tert-Butyl alcohol	5.00	3.54	15	10.7	71	60 - 140
Tetrachloroethene	5.00	5.31	34	36.0	106	70 - 130
Toluene	5.00	4.64	19	17.5	93	70 - 130
m-Xylene & p-Xylene	10.0	9.46	43	41.1	95	70 - 130
o-Xylene	5.00	4.78	22	20.8	96	70 - 130
trans-1,2-Dichloroethene	5.00	4.63	20	18.3	93	70 - 130
trans-1,3-Dichloropropene	5.00	4.72	23	21.4	94	70 - 130
Trichloroethene	5.00	5.59	27	30.0	112	70 - 130
Trichlorofluoromethane	5.00	5.93	28	33.3	119	60 - 140
Vinyl chloride	5.00	5.94	13	15.2	119	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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 #	H3C040000 - 014B	**Work Order #**	MX9EA1AA	**Matrix.....:**	AIR
	02/26/2013	**Date Received..:**	02/28/2013		
Prep Date.....:	03/02/2013	**Analysis Date...**	03/02/2013		
Prep Batch #.....:	3063014				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C040000 - 014B **Work Order #** MX9EA1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	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 # H3C040000 - 014C **Work Order #** MX9EA1AC **Matrix.....:** AIR

	02/26/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/02/2013	**Analysis Date...**	03/02/2013
Prep Batch #.....:	3063014		
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
1,1,1-Trichloroethane	5.00	4.84	27	26.4	97	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.62	34	31.7	92	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.60	38	35.3	92	70 - 130
1,1,2-Trichloroethane	5.00	4.72	27	25.8	94	70 - 130
1,1-Dichloroethane	5.00	4.25	20	17.2	85	70 - 130
1,1-Dichloroethene	5.00	4.46	20	17.7	89	70 - 130
1,2,4-Trichlorobenzene	5.00	3.47	37	25.8	69	60 - 140
1,2,4-Trimethylbenzene	5.00	4.89	25	24.0	98	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.69	38	36.1	94	70 - 130
1,2-Dichlorobenzene	5.00	4.97	30	29.9	99	70 - 130
1,2-Dichloroethane	5.00	4.55	20	18.4	91	70 - 130
1,2-Dichloropropane	5.00	4.27	23	19.7	85	70 - 130
1,3,5-Trimethylbenzene	5.00	4.69	25	23.0	94	70 - 130
1,4-Dichlorobenzene	5.00	4.81	30	28.9	96	70 - 130
1,4-Dioxane	5.00	3.35	18	12.1	67	60 - 140
2-Butanone (MEK)	5.00	3.77	15	11.1	75	60 - 140
1,3-Dichlorobenzene	5.00	4.97	30	29.9	99	70 - 130
2,2,4-Trimethylpentane	5.00	4.58	23	21.4	92	70 - 130
Benzene	5.00	4.44	16	14.2	89	70 - 130
Benzyl chloride	5.00	4.96	26	25.7	99	70 - 130
Bromodichloromethane	5.00	5.09	34	34.1	102	70 - 130
Bromoform	5.00	5.47	52	56.6	109	60 - 140
Bromomethane	5.00	6.31	19	24.5	126	70 - 130
Carbon tetrachloride	5.00	4.95	31	31.1	99	70 - 130
Chlorobenzene	5.00	4.82	23	22.2	96	70 - 130
Chloroethane	5.00	6.04	13	15.9	121	70 - 130
Chloroform	5.00	4.67	24	22.8	93	70 - 130
Cyclohexane	5.00	4.74	17	16.3	95	70 - 130
Chloromethane	5.00	5.30	10	10.9	106	60 - 140
cis-1,2-Dichloroethene	5.00	4.47	20	17.7	89	70 - 130
cis-1,3-Dichloropropene	5.00	4.80	23	21.8	96	70 - 130
Dibromochloromethane	5.00	5.30	43	45.1	106	70 - 130
Dichlorodifluoromethane	5.00	5.29	25	26.1	106	60 - 140
Ethanol	25.0	20.2	47	38.1	81	20 - 180
Ethylbenzene	5.00	4.63	22	20.1	93	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.93	35	41.5	119	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C040000 - 014C **Work Order #** MX9EA1AC **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
n-Hexane	5.00	4.54	18	16.0	91	70 - 130
Hexachlorobutadiene	5.00	4.18	53	44.6	84	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	3.84	20	15.7	77	60 - 140
Methyl tert-butyl ether	5.00	4.39	18	15.8	88	60 - 140
Methylene chloride	5.00	4.39	17	15.2	88	70 - 130
Styrene	5.00	4.89	21	20.8	98	70 - 130
tert-Butyl alcohol	5.00	3.79	15	11.5	76	60 - 140
Tetrachloroethene	5.00	5.05	34	34.3	101	70 - 130
Toluene	5.00	4.54	19	17.1	91	70 - 130
m-Xylene & p-Xylene	10.0	9.51	43	41.3	95	70 - 130
o-Xylene	5.00	4.89	22	21.2	98	70 - 130
trans-1,2-Dichloroethene	5.00	5.06	20	20.1	101	70 - 130
trans-1,3-Dichloropropene	5.00	4.52	23	20.5	90	70 - 130
Trichloroethene	5.00	5.24	27	28.1	105	70 - 130
Trichlorofluoromethane	5.00	6.23	28	35.0	125	60 - 140
Vinyl chloride	5.00	6.25	13	16.0	125	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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 # H3C040000 - 050B **Work Order #** MX9GJ1AA **Matrix.....:** AIR

	02/21/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/04/2013	**Analysis Date...**	03/04/2013
Prep Batch #.....:	3063050		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C040000 - 050B **Work Order #** MX9GJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	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 # H3C040000 - 050C **Work Order #** MX9GJ1AC **Matrix.....:** AIR

	02/21/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/04/2013	**Analysis Date...**	03/04/2013
Prep Batch #.....:	3063050		
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
1,1,1-Trichloroethane	5.00	4.46	27	24.3	89	70 - 130
1,1,2,2-Tetrachloroethane	5.00	3.94	34	27.1	79	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.23	38	32.4	85	70 - 130
1,1,2-Trichloroethane	5.00	4.25	27	23.2	85	70 - 130
1,1-Dichloroethane	5.00	3.96	20	16.0	79	70 - 130
1,1-Dichloroethene	5.00	4.26	20	16.9	85	70 - 130
1,2,4-Trichlorobenzene	5.00	3.50	37	26.0	70	60 - 140
1,2,4-Trimethylbenzene	5.00	4.03	25	19.8	81	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.21	38	32.4	84	70 - 130
1,2-Dichlorobenzene	5.00	4.29	30	25.8	86	70 - 130
1,2-Dichloroethane	5.00	4.09	20	16.6	82	70 - 130
1,2-Dichloropropane	5.00	3.74	23	17.3	75	70 - 130
1,3,5-Trimethylbenzene	5.00	4.00	25	19.6	80	70 - 130
1,4-Dichlorobenzene	5.00	4.27	30	25.6	85	70 - 130
1,4-Dioxane	5.00	3.82	18	13.8	76	60 - 140
2-Butanone (MEK)	5.00	3.23	15	9.54	65	60 - 140
1,3-Dichlorobenzene	5.00	4.32	30	26.0	86	70 - 130
2,2,4-Trimethylpentane	5.00	4.20	23	19.6	84	70 - 130
Benzene	5.00	3.98	16	12.7	80	70 - 130
Benzyl chloride	5.00	4.22	26	21.8	84	70 - 130
Bromodichloromethane	5.00	4.52	34	30.3	90	70 - 130
Bromoform	5.00	4.80	52	49.6	96	60 - 140
Bromomethane	5.00	6.00	19	23.3	120	70 - 130
Carbon tetrachloride	5.00	4.57	31	28.7	91	70 - 130
Chlorobenzene	5.00	4.46	23	20.6	89	70 - 130
Chloroethane	5.00	5.37	13	14.2	107	70 - 130
Chloroform	5.00	4.26	24	20.8	85	70 - 130
Cyclohexane	5.00	4.50	17	15.5	90	70 - 130
Chloromethane	5.00	5.00	10	10.3	100	60 - 140
cis-1,2-Dichloroethene	5.00	4.29	20	17.0	86	70 - 130
cis-1,3-Dichloropropene	5.00	4.23	23	19.2	85	70 - 130
Dibromochloromethane	5.00	4.74	43	40.4	95	70 - 130
Dichlorodifluoromethane	5.00	5.20	25	25.7	104	60 - 140
Ethanol	25.0	17.7	47	33.4	71	20 - 180
Ethylbenzene	5.00	4.03	22	17.5	81	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.84	35	40.8	117	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C040000 - 050C **Work Order #** MX9GJ1AC **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
n-Hexane	5.00	4.24	18	15.0	85	70 - 130
Hexachlorobutadiene	5.00	3.61	53	38.5	72	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	3.76	20	15.4	75	60 - 140
Methyl tert-butyl ether	5.00	3.74	18	13.5	75	60 - 140
Methylene chloride	5.00	4.12	17	14.3	82	70 - 130
Styrene	5.00	4.20	21	17.9	84	70 - 130
tert-Butyl alcohol	5.00	3.87	15	11.7	77	60 - 140
Tetrachloroethene	5.00	4.82	34	32.7	96	70 - 130
Toluene	5.00	4.09	19	15.4	82	70 - 130
m-Xylene & p-Xylene	10.0	8.10	43	35.2	81	70 - 130
o-Xylene	5.00	4.08	22	17.7	82	70 - 130
trans-1,2-Dichloroethene	5.00	4.87	20	19.3	97	70 - 130
trans-1,3-Dichloropropene	5.00	4.17	23	18.9	83	70 - 130
Trichloroethene	5.00	5.06	27	27.2	101	70 - 130
Trichlorofluoromethane	5.00	5.68	28	31.9	114	60 - 140
Vinyl chloride	5.00	6.13	13	15.7	123	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	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

H3B280421

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jason Pelton	**Sampled By:** Greg Young	1 of 9 COCs
Company: NYSDEC Central office	Phone: (518) 402-9478		
Address:	Site Contact: Greg Young (585) 313-8588		
City/State/Zip	TAL Contact: Jamie McKinney		
Phone:			
FAX:			
Project Name: Scobell Chemical	**Analysis Turnaround Time**		
Site/location: Rochester, NY	Standard (Specify) X		
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-IA-00381-01 ✓	2/19-20/13	1019	925	-29	-3.5	K167	1530	X						X				
828076-SS-00381-01 ✓		1019	926	-29	-3.5	K122	1490	X								X		
828076-IA-00381-02 ✓		~~1022~~ 1135 (2/21)	~~916~~ 1022 (2/21)	-29	-3	K161	1135	X						X				
828076-SS-00381-02 ✓		1022	917	-29	-6	K103	6373	X								X		
828076-IA-00382-01 ✓		1103	943	-29	-6	K496	6655	X						X				
828076-SS-00382-02 ✓	2/19-20/13	1103	943	-29	-3	K473	6122	X								X		

Sampled by : Empire Geo Services

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

11 Boxes Rec'd @ Ambient Temp 2/20/13 without custody seals DPH 2/28/13

11 Boxes Rad X #'s

Pressure (inches of Hg)	Interior	Ambient	
Start			4485 0263 6845
Stop			4485 0263 6801

58 Cans/58 Flows/2 Trips/58 cc's

Special Instructions/QC Requirements & Comments:

Same standards as the January 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:	
Samples Relinquished by:	Date/Time: 2/27/13 @ 1410	Received by:	
Relinquished by:	Date/Time: 2/27/13 @ 460	Received by:	2/28/13 1005

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H3B280421

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jason Pelton	**Sampled By:** Greg Young	2 of 9 COCs
Company: NYSDEC Central office	Phone: (518) 402-9478		
Address:	Site Contact: Greg Young (585) 313-8588		
City/State/Zip	TAL Contact: Jamie McKinney		
Phone:			
FAX:			
Project Name: Scobell Chemical	**Analysis Turnaround Time**		
Site/location: Rochester, NY	Standard (Specify) X		
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-IA-003B2-02 ✓	2/19-20/13	1127	954	-29	-4	K444	04404	X							X				
828076-SS-003B2-02 ✓		1128	955	-29	0	K098	7489	X									X		
828076-SS-003B2-03 ✓		1128	955	-29	-5	K190	7494	X									X		
828076-OA-003B2-01 ✓		1138	1018	-29	-3	K928	6530	X								X			
828076-IA-003B3-04 ✓		1252	1145	-27	-6	K478	12181	X							X				
828076-SS-003B3-04 ✓		1252	1145	-29	-4	K462	12270	X									X		

Sampled by : Empire Geo Services

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments: Same standards as the January 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 2/27/13@ 1410	Received by:
Relinquished by:	Date/Time: 2/27/13@ 1610	Received by: 2/28/13 1005

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H3B280421

Canister Samples Chain of Custody Record

H3B280421

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jason Pelton	**Sampled By:** Greg Young
Company: NYSDEC Central office	Phone (518) 402-9478	3 of 9 COCs
Address:	Site Contact: Greg Young (585) 313-8588	
City/State/Zip	TAL Contact: Jamie McKinney	
Phone:		
FAX:		
Project Name: Scobell Chemical	**Analysis Turnaround Time**	
Site/location: Rochester, NY	Standard (Specify) X	
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-IA-003B3-05	2/19-22/13	1315	1156	-27	-6	K481	92068	X							X				
828076-SS-003B3-05	↓	1315	1156	-29	-4	K507	6522	X									X		
828076-IA-003B4-01	2/20-21/13	839	811	-28	-4	K479B	21665	X							X				
828076-SS-003B4-01	↓	840	811	-30	-4	K216	04311	X									X		
828076-IA-003B4-02	↓	904	822	-30	-3	K409	12821	X							X				
828076-SS-003B4-02	↓	903	822	-30	-5.5	K528	1319N	X									X		

Sampled by : Empire Geo Services

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments: Same standards as the Janvary 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 2/27/13 @ 1410	Received by:
Relinquished by:	Date/Time: 2/27/13 @ 1610	Received by: 2/28/13 1005

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H3B280421

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jason Pelton	**Sampled By:** Greg Young
Company: NYSDEC Central office	Phone: (518) 402-9478	5 of 9 COCs
Address:	Site Contact: Greg Young (585) 313-8588	
City/State/Zip	TAL Contact: Jamie McKinney	
Phone:		
FAX:		
Project Name: Scobell Chemical	**Analysis Turnaround Time**	
Site/location: Rochester, NY	Standard (Specify) X	
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-SS-003B6-01 ✓	2/20-21/13	1326	1236	-29	-3.5	K230	93149	X									X		
828076-IA-003B6-02 ✓	↓	1343	1250	-30	-5	K272	04337	X							X				
828076-SS-003B6-02 ✓	↓	1343	1250	-27	-1	K427	6575	X									X		
828076-IA-003B7-01 ✓	2/21-22/13	905	810	-29	-4	K302	6664	X							X				
828076-SS-003B7-01 ✓	↓	905	810	-29	-4	K131	12878	X									X		
828076-IA-003B7-02 ✓	↓	924	825	-29	-3.5	K310	43A	X							X				

Sampled by : Empire Geo Services

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments: Same standards as the January 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 2/27/13 @ 1410	Received by:
Relinquished by:	Date/Time: 2/27/13 @ 1600	Received by: 2/28/13 1005

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H3B280421

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:	NA
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
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?	✓			☐ **19a** Other	

Quote #: 89579 PM Instructions: NA

Sample Receiving Associate: _____ Date: 2/26/13

QA026R23.doc, 022812

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

Lot Number: *H3B280421*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Can or Tedlar bag prep Time	Baro ID B2 Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Baro ID___ Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
MM 4/28/13	1355	28.78	MX8D8	1530 ✓	-2.0	–												10354
			S MX8D9	1490 ✓	-3.0	–						–						10351
			MX8EA	1135 ✓	-1.7	–												"
			S MX8EC	6373 ✓	-4.0	–												"
			MX8ED	6655 ✓	-4.9	–												10356
	"		S MX8EE	6122 ✓	-2.4	–												"
	1400		MX8EH	04404 ✓	-3.5	–												"
			S MX8EJ	7489 ✓	0	–												10358
			S MX8EL	7494 ✓	-3.8	–												10356
			MX8EM	6530 ✓	-2.0	–												10358
			MX8EP	12181 ✓	-4.6	–												10351
	↓		S MX8EQ	12270 ✓	-4.0	–												10354
	1405		MX8ET	92068 ✓	-5.7	–												10358
			S MX8EV	6522 ✓	-4.7	–												"
			MX8EW	21665 ✓	-1.8	–												10356
			S MX8EX	04311 ✓	-3.3	–												"
			MX8E0	12821 ✓	-2.1	–												10358
	"		S MX8E1	1319N ✓	-3.3	–												10359
	1410	↓	S MX8E2	93149 ✓	0	–												10351
↓	"	↓	MX8E3	04337 ✓	-3.0	–												10351

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

Lot Number: *H3B280421*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Can or Tedlar bag prep Time	Baro ID B2 Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Baro ID___ Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
2/28/13	1415	28.81	S MX8E4	6575	0	—												10351
		28.81	MX8E5	6664	-3.2													
			S MX8E6	12878	-3.6	—												
			MX8E7	43A	-3.8	—												10359

Volatiles

Raw Sample Data

New York State D.E.C.

Client Sample ID: 828076-IA-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 001 **Work Order #** MX8D81AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 02/28/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.22**	**0.080**	**0.69**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.53**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.49**	**0.20**	**1.0**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.42**	**0.080**	**2.1**	**0.40**
Ethanol	**9.2**	**0.80**	**17**	**1.5**
Ethylbenzene	**0.13**	**0.080**	**0.56**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.26**	**0.20**	**0.93**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 001 **Work Order #** MX8D81AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.22**	**0.20**	**0.77**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.83**	**0.080**	**3.1**	**0.30**
m-Xylene & p-Xylene	**0.37**	**0.080**	**1.6**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.58**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.12**	**0.040**	**0.66**	**0.21**
Trichlorofluoromethane	**0.24**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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/mr.i/R022813.b/mx8d81aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d
Lab Smp Id: MX8D81AA Client Smp ID: 828076-IA-003B1-01
Inj Date : 28-FEB-2013 22:08
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

03/05/13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))	
*	1 Bromochloromethane	128	9.094	9.088	(1.000)	332051	4.00000	4.000	
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1689036	4.00000	4.000	
*	3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1279076	4.00000	4.000	
$	4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	934947	4.17502	4.175	
	7 Dichlorodifluoromethane	85	4.235	4.241	(0.466)	145378	0.42015	0.4202	
	8 Chloromethane	52	4.413	4.419	(0.485)	20741	0.49039	0.4904	
	20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	80223	0.23863	0.2386	
	31 Methylene Chloride	84	6.673	6.656	(0.734)	26535	0.22179	0.2218	
	33 Carbon Disulfide	76	6.818	6.824	(0.750)	12233	0.03202	0.03202	NA
	40 Hexane	56	8.425	8.414	(0.926)	30092	0.26376	0.2638	
	39 2-Butanone	72	8.361	8.344	(0.919)	17057	0.25585	0.2558	
	48 Benzene	78	10.712	10.706	(0.950)	92821	0.21711	0.2171	
	50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	18746	0.08488	0.08488	
	54 Heptane	71	11.968	11.968	(1.062)	16607	0.11070	0.1107	NA
	56 Trichloroethene	130	12.070	12.070	(1.071)	23220	0.12209	0.1221	
	65 Toluene	91	14.632	14.632	(0.837)	441155	0.83127	0.8313	

Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d
Report Date: 01-Mar-2013 11:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
76 Ethylbenzene	91	18.045	18.067	(1.032)	85577	0.12841	0.1284
78 m&p-Xylene	91	18.315	18.336	(1.048)	190950	0.37115	0.3712
82 o-Xylene	91	19.178	19.194	(1.097)	71461	0.13464	0.1346
89 4-Ethyltoluene	105	21.442	21.453	(1.227)	25184	0.03206	0.03206
17 ~ ethanol	31	5.238	5.222	(0.576)	419124	9.20334	9.203

Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8d81aa.d
Lab Smp Id: MX8D81AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B1-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	332051	-24.08
2 1,4-Difluorobenze	2178721	1296339	3061103	1689036	-22.48
3 Chlorobenzene-d5	1632809	971521	2294097	1279076	-21.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8d81aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

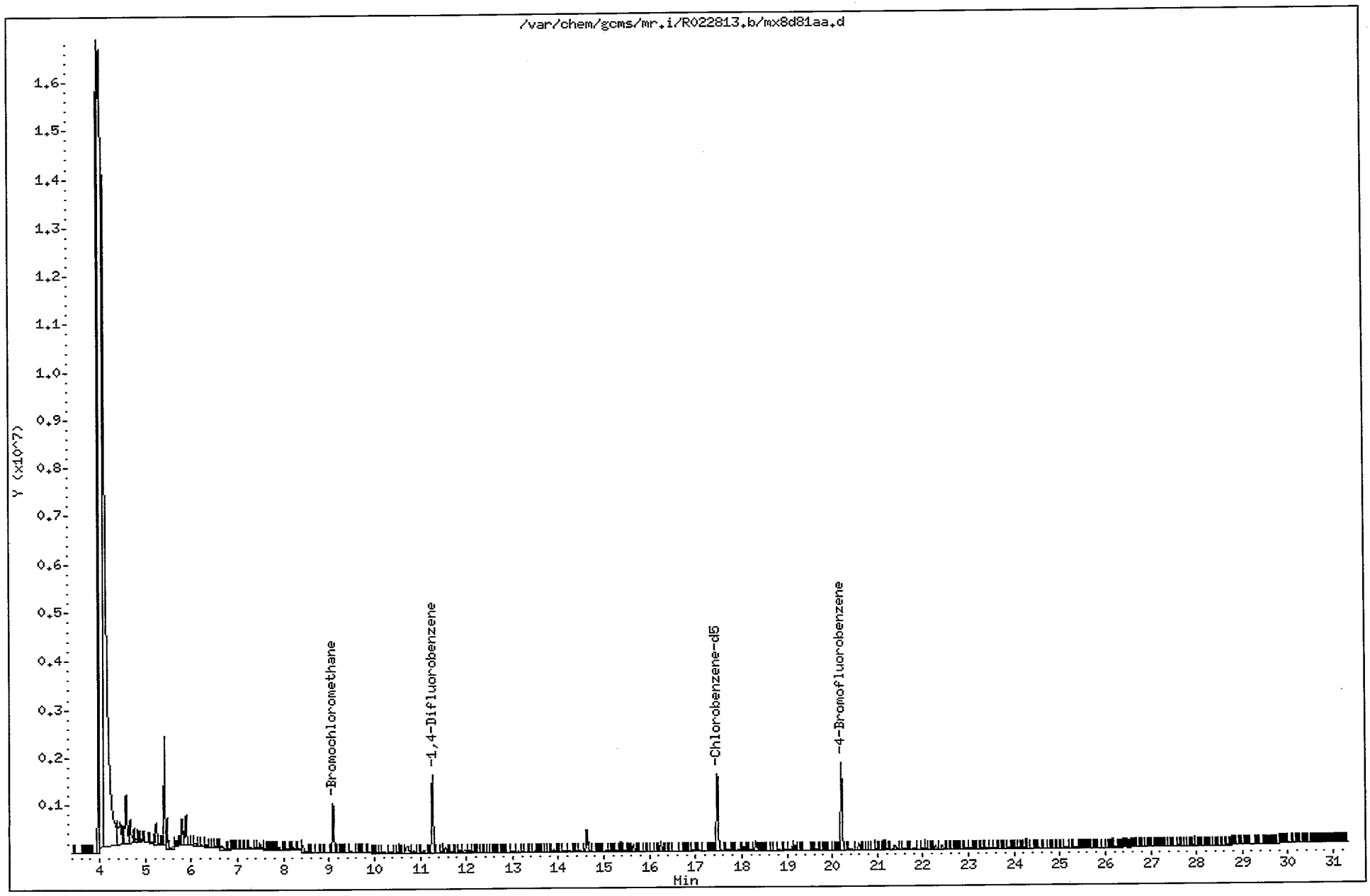
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8D81AA Client Smp ID: 828076-IA-003B1-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.175	104.38	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d
Date : 28-FEB-2013 22:08
Client ID: 828076-IA-003B1-01
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

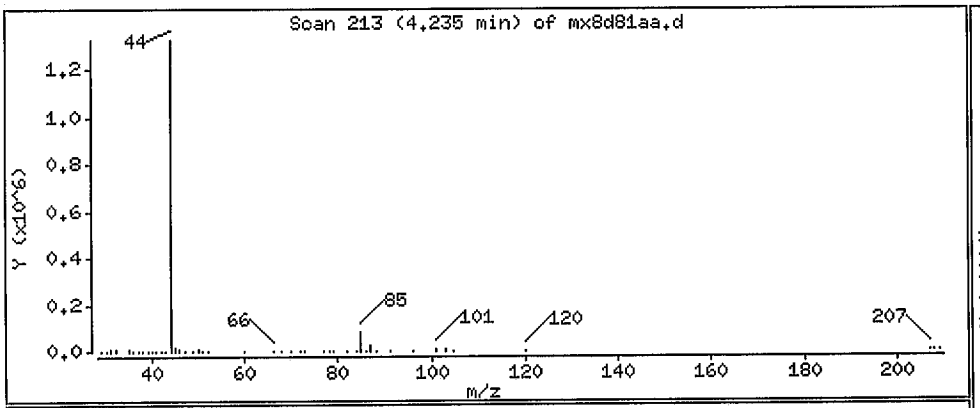
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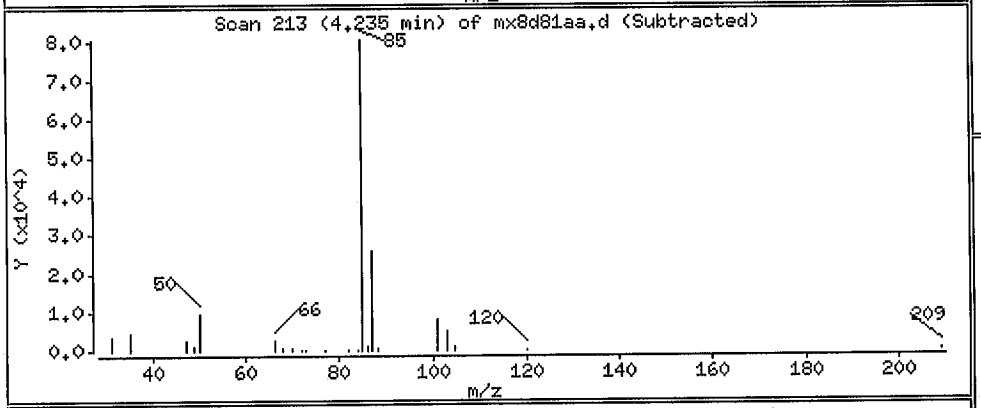
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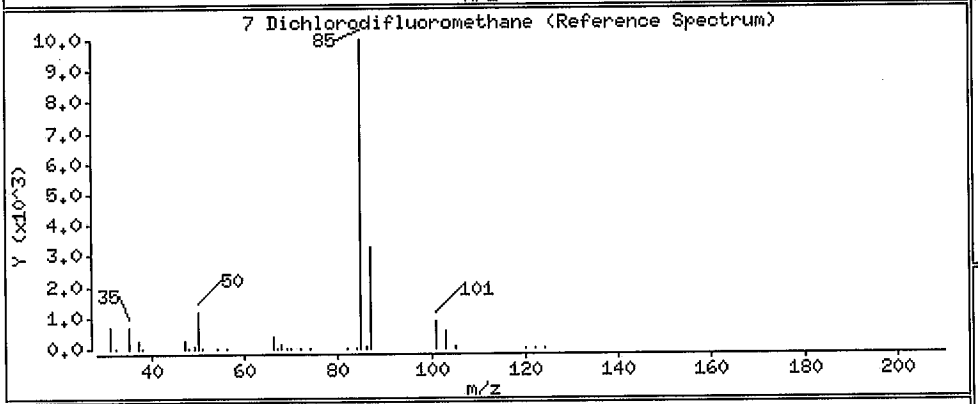
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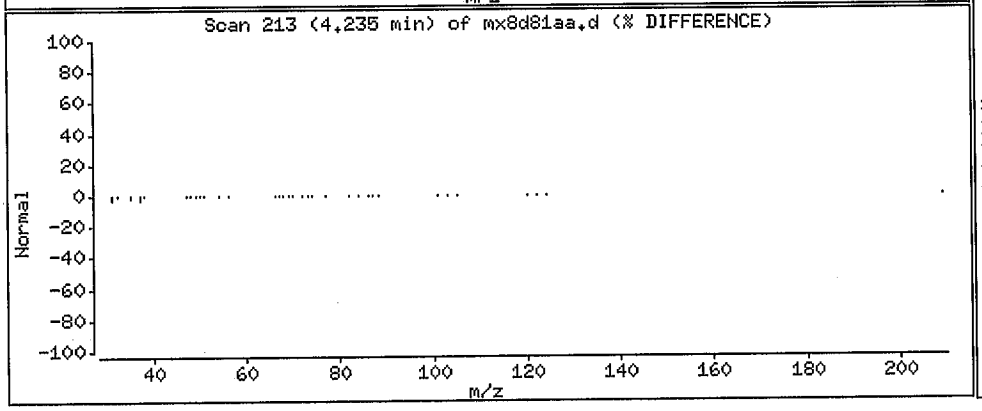
7 Dichlorodifluoromethane

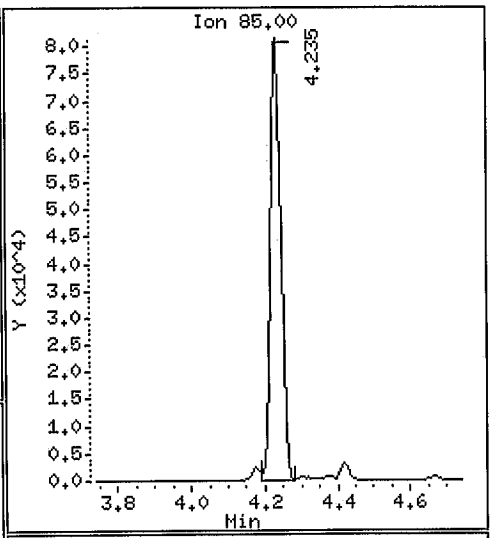
Concentration: 0.4202 ppb(v/v)

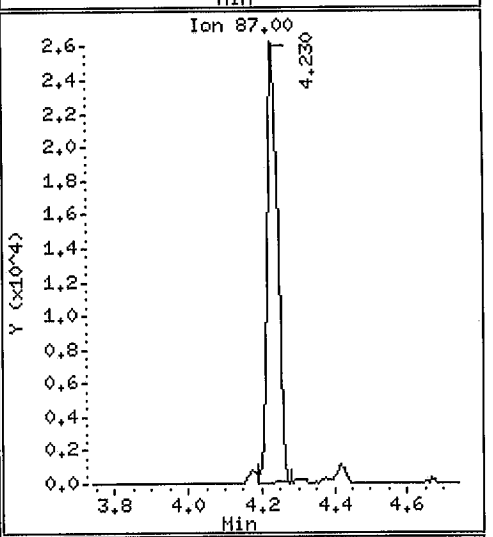


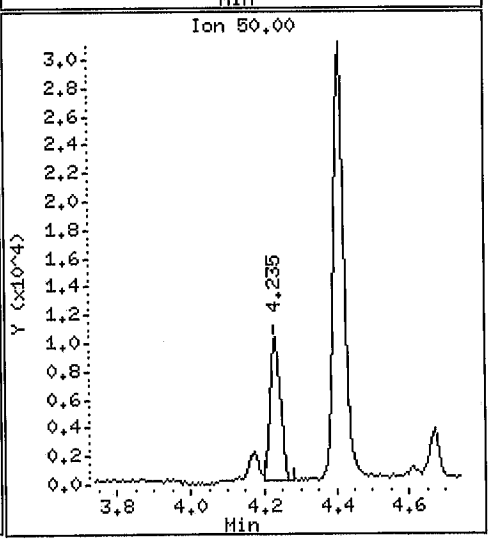












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

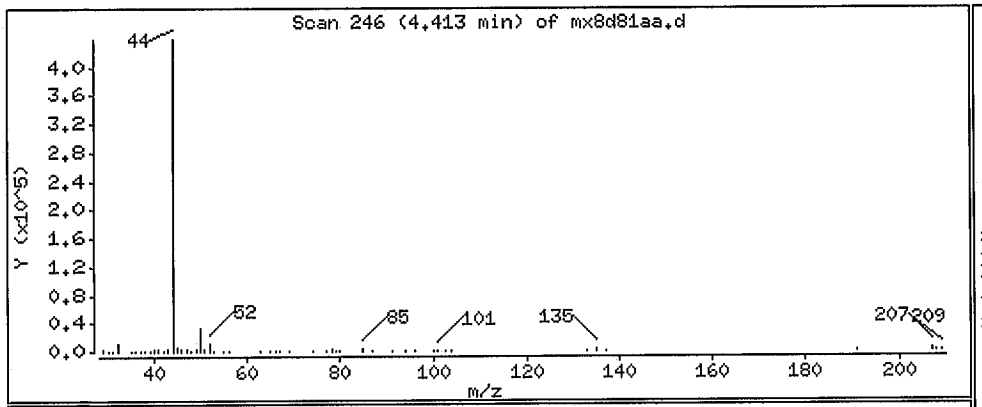
Client ID: 828076-IA-003B1-01 Instrument: mr.i

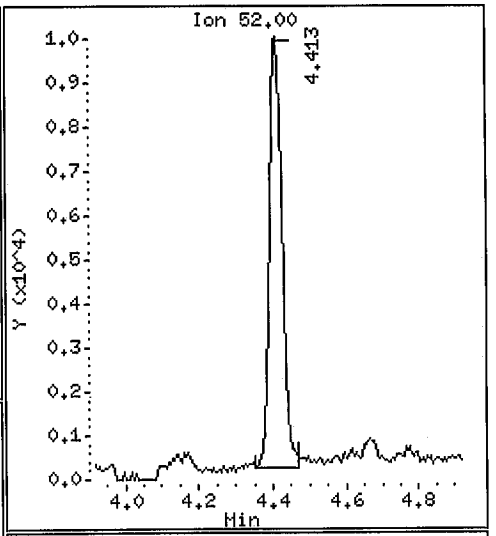
Sample Info: ,,0,,,

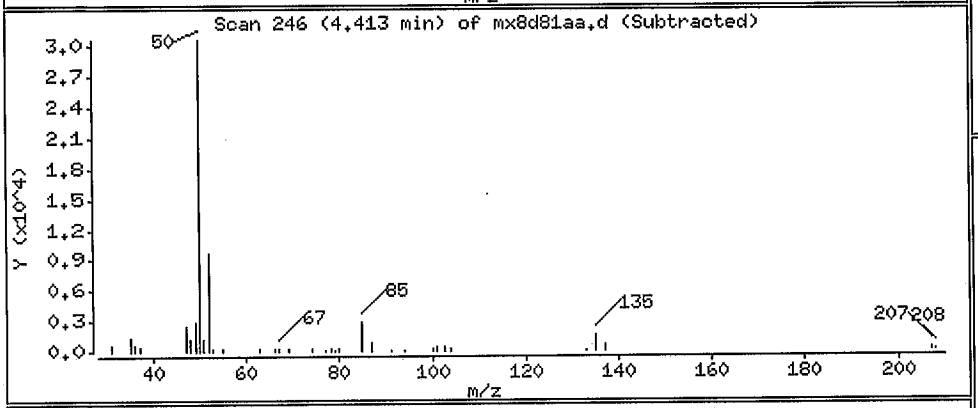
Purge Volume: 500.0 Operator: 403648

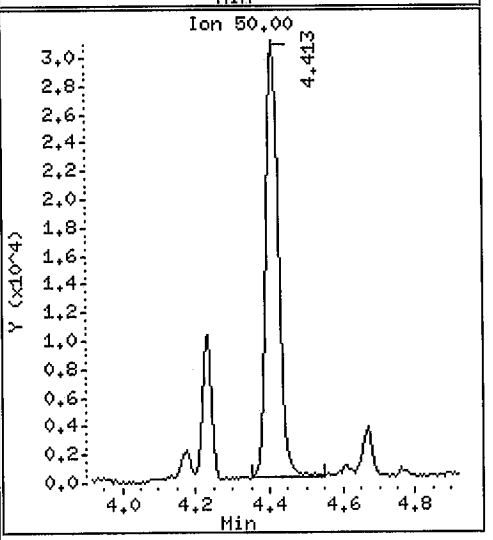
Column phase: Rtx-5 Column diameter: 0.32

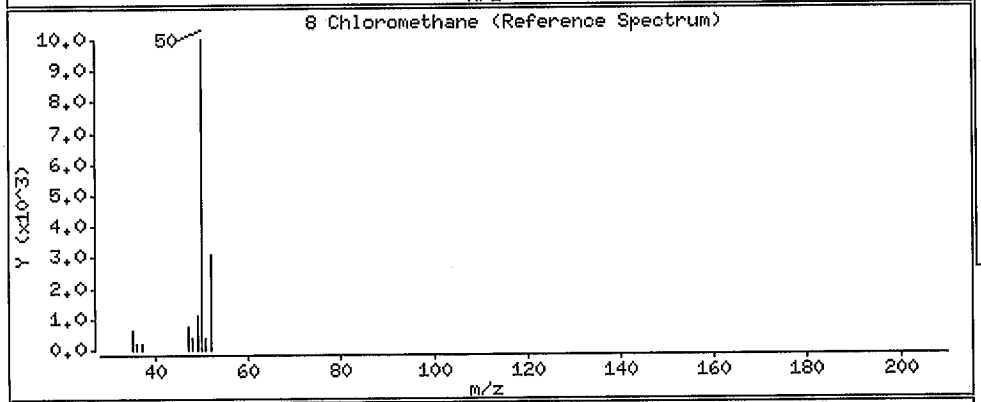
8 Chloromethane Concentration: 0.4904 ppb(v/v)

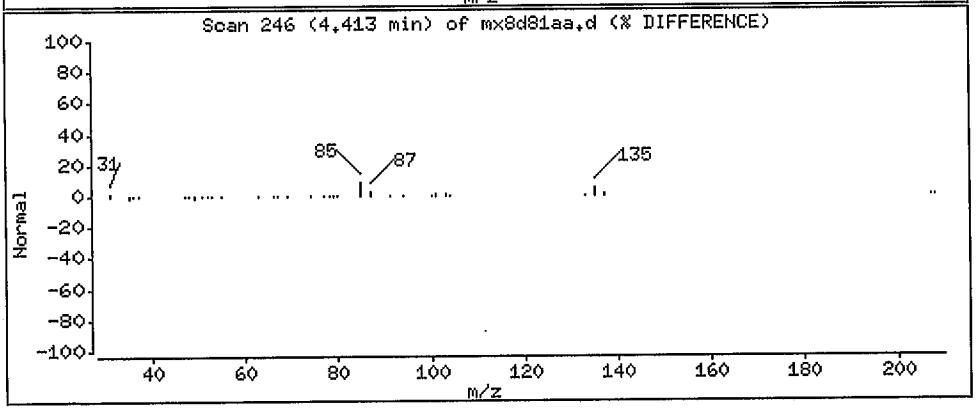












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

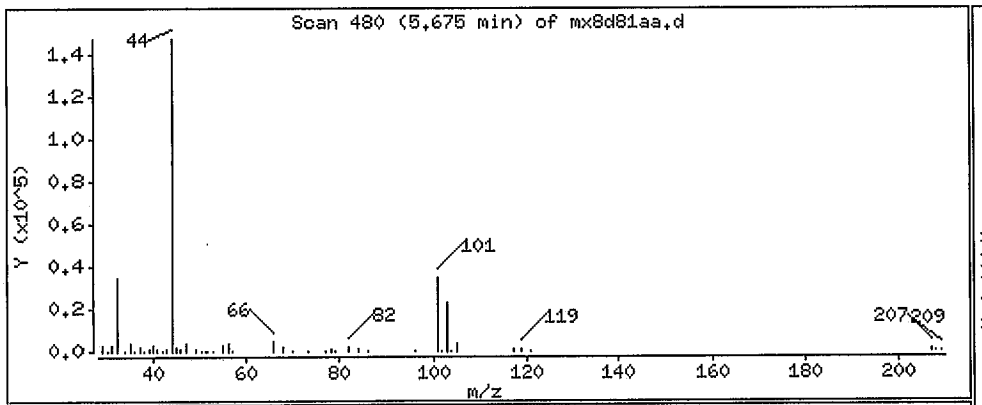
Client ID: 828076-IA-003B1-01 Instrument: mr.i

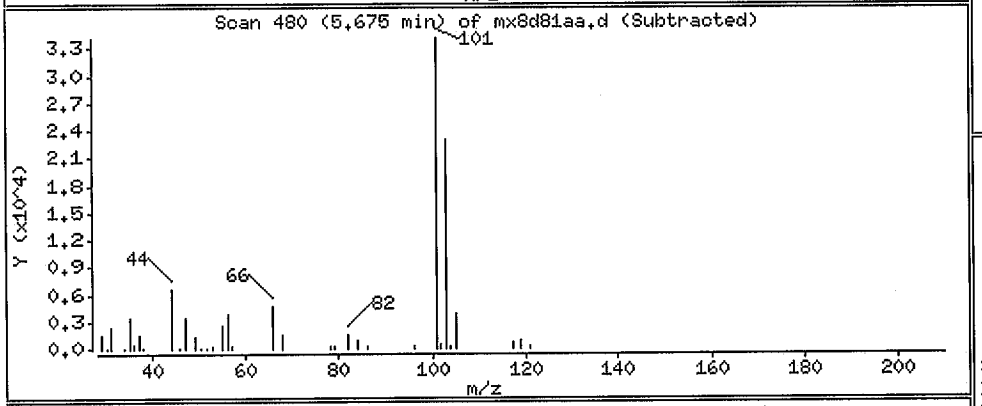
Sample Info: ,,0,,,

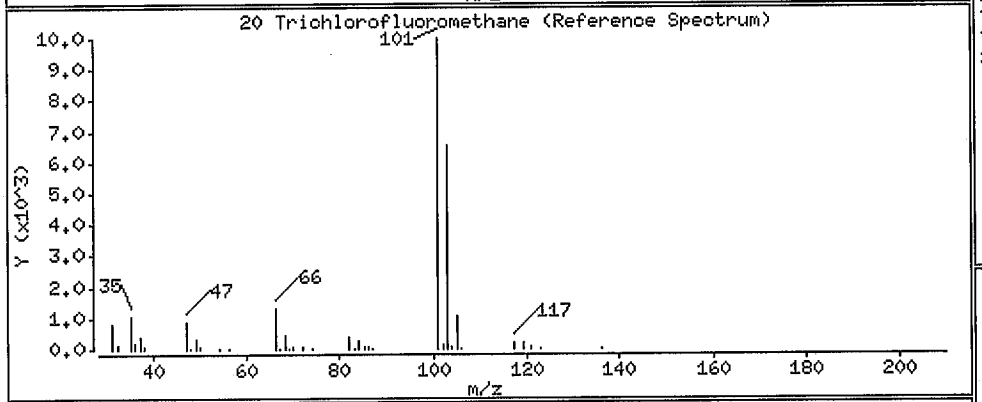
Purge Volume: 500.0 Operator: 403648

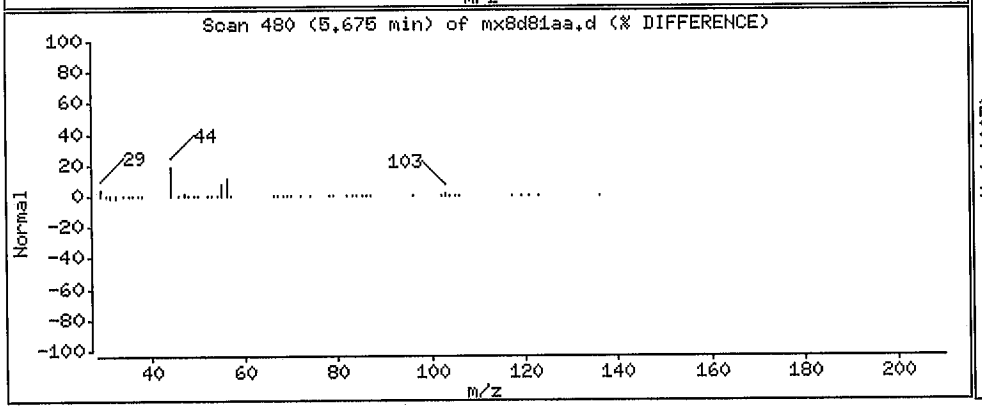
Column phase: Rtx-5 Column diameter: 0.32

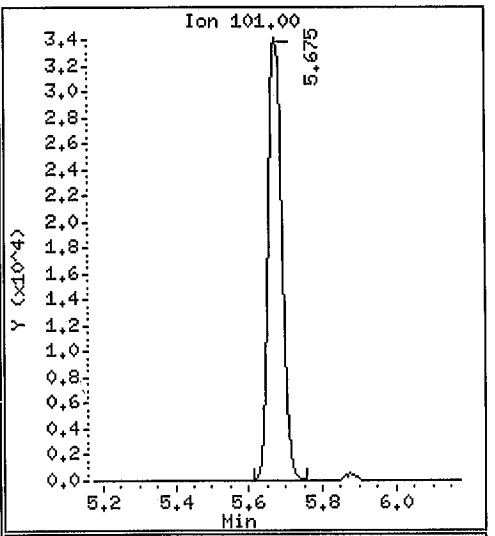
20 Trichlorofluoromethane Concentration: 0.2386 ppb(v/v)

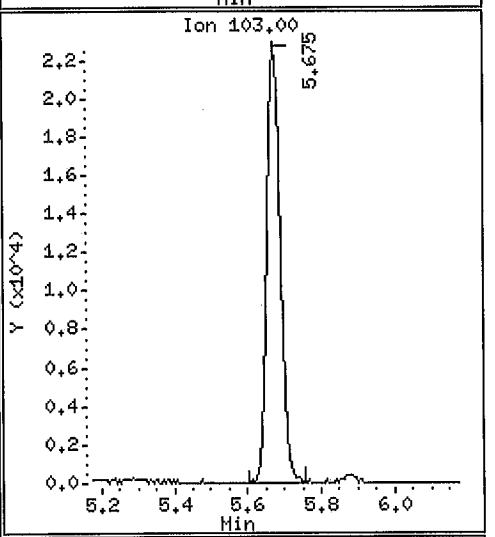


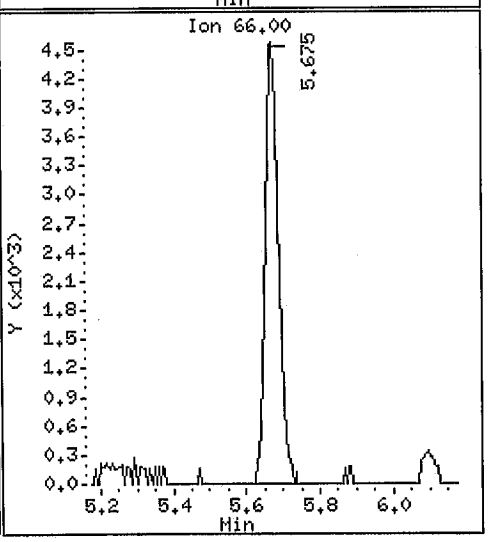












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

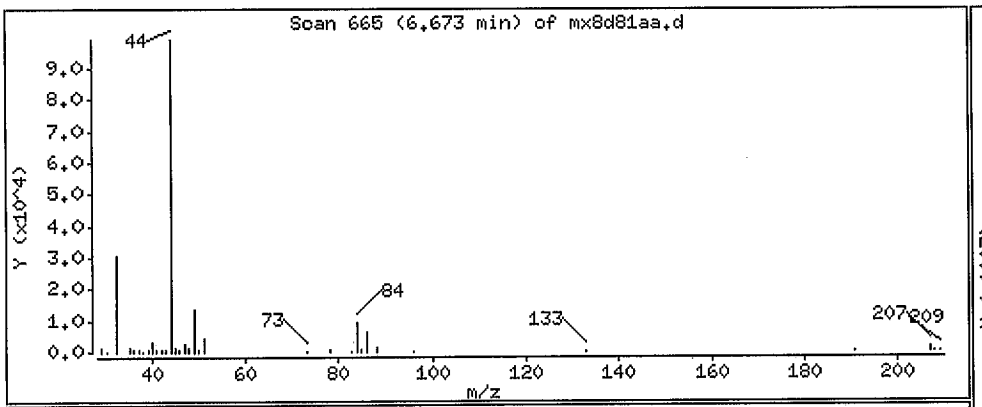
Client ID: 828076-IA-003B1-01 Instrument: mr.i

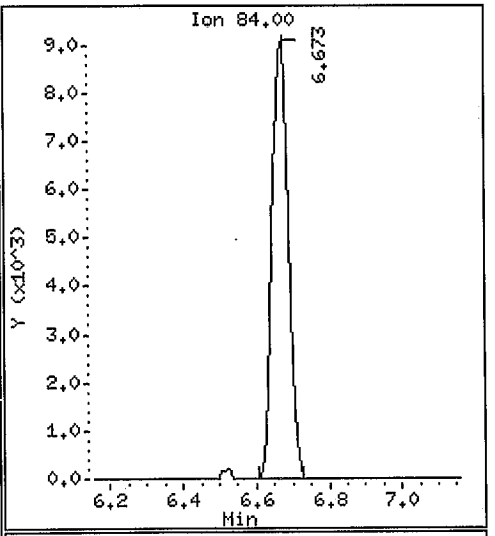
Sample Info: ,,0,,,

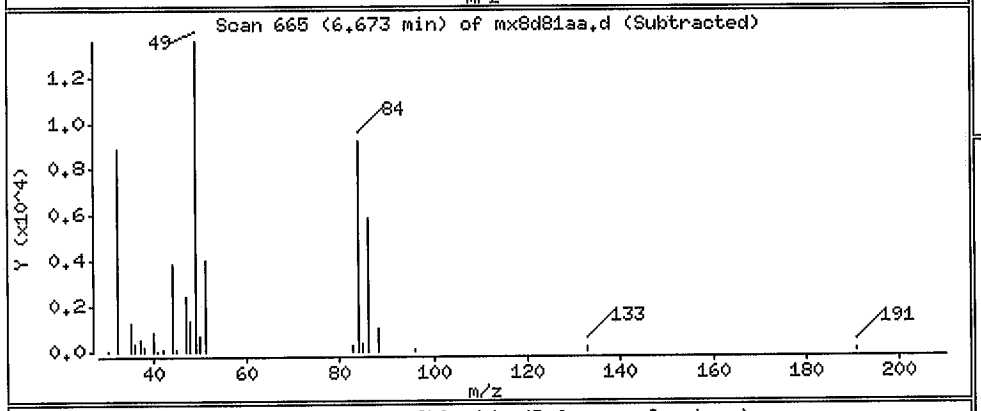
Purge Volume: 500.0 Operator: 403648

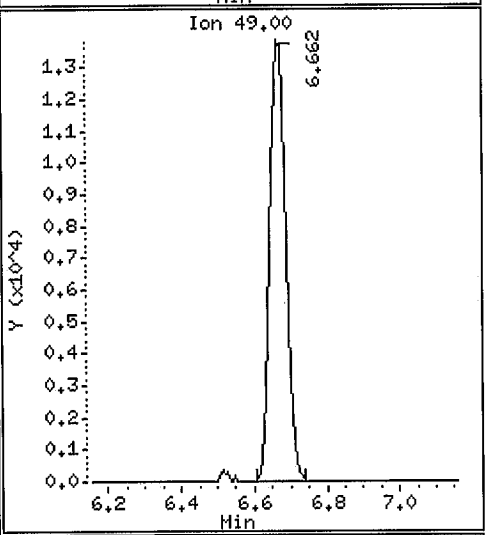
Column phase: Rtx-5 Column diameter: 0.32

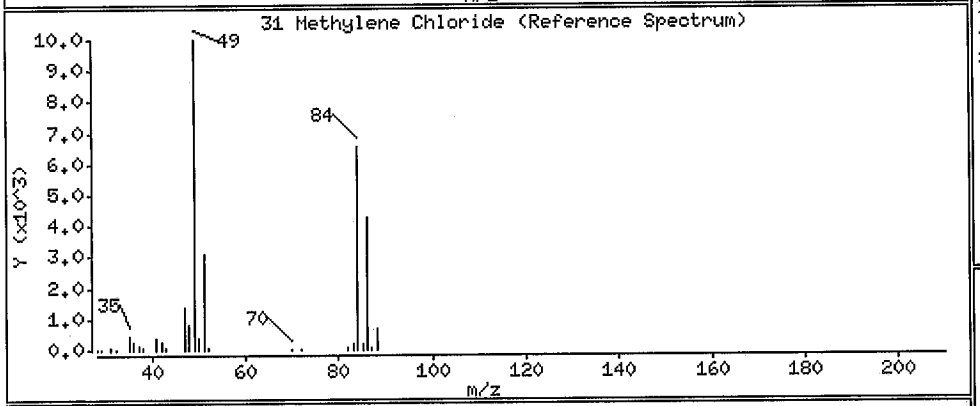
31 Methylene Chloride Concentration: 0.2218 ppb(v/v)

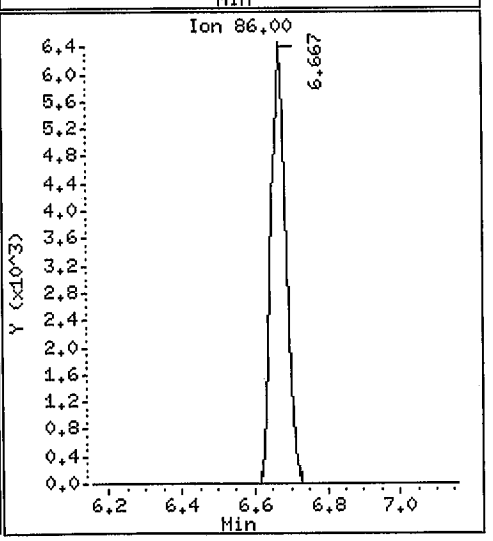


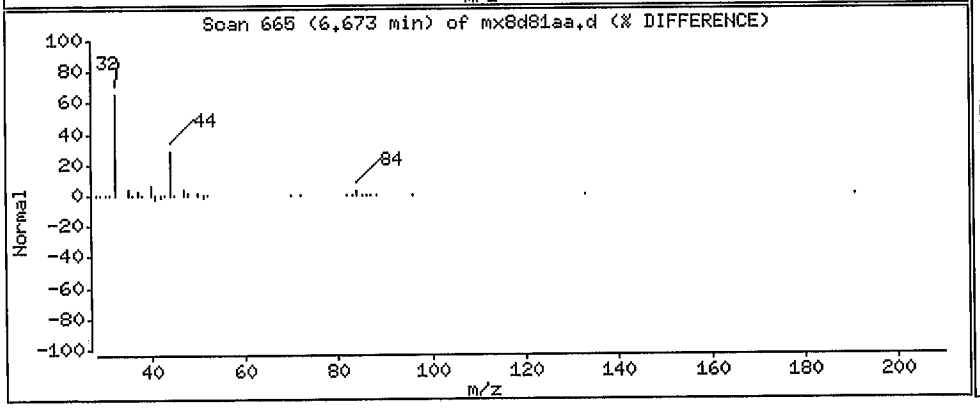












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

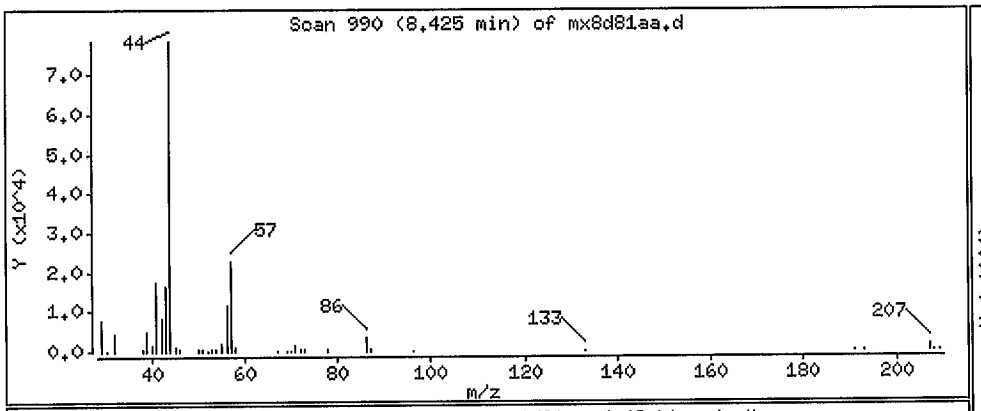
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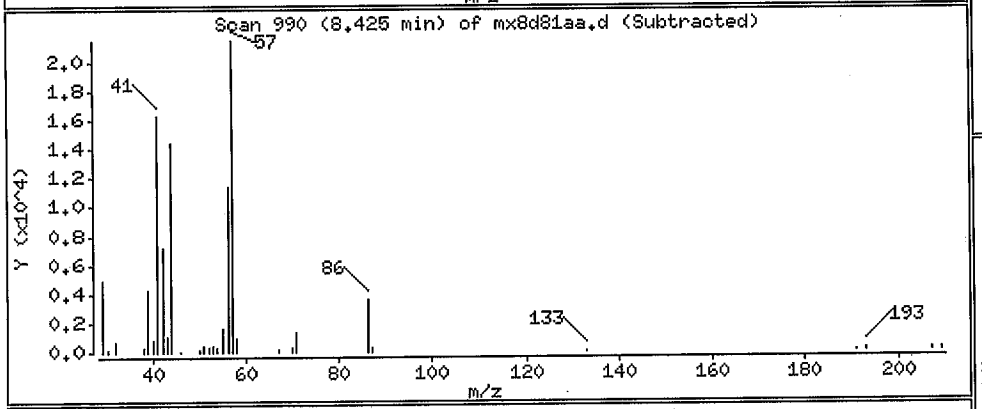
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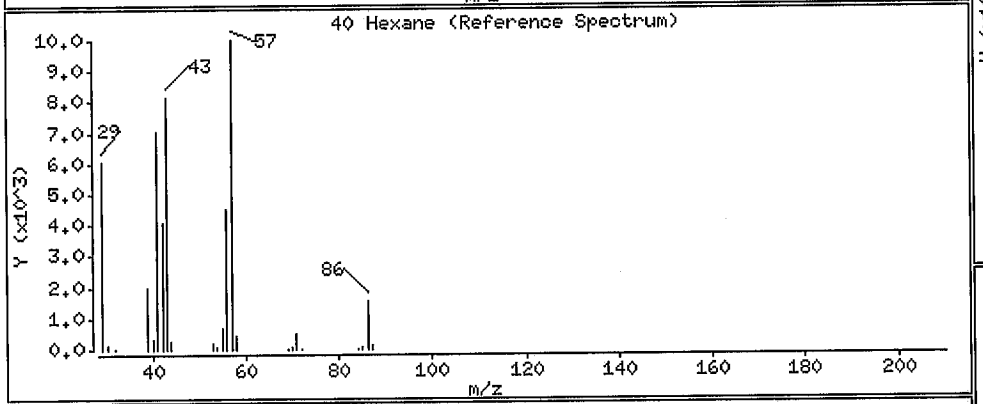
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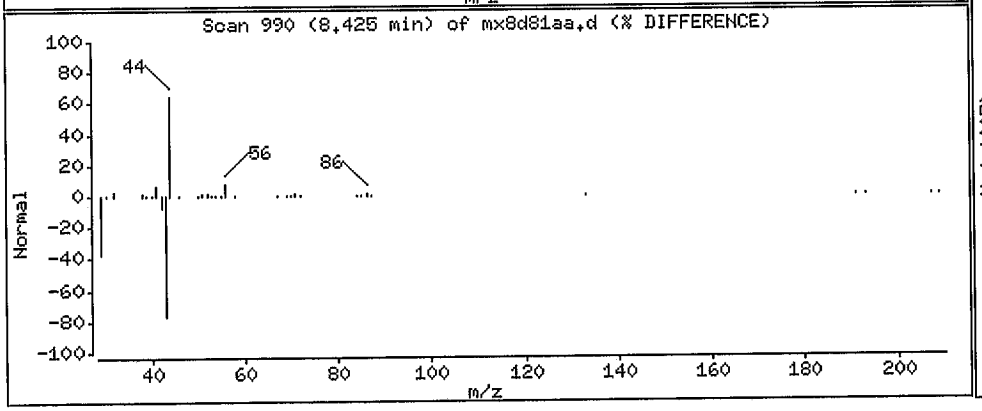
40 Hexane

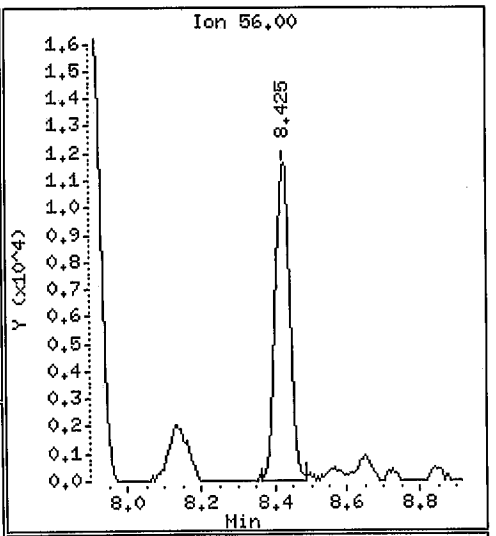
Concentration: 0.2638 ppb(v/v)

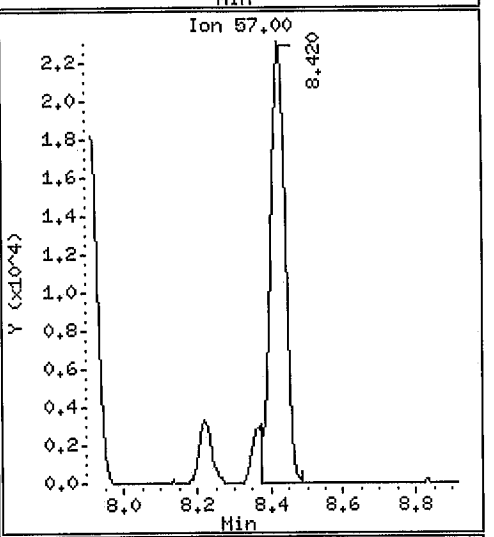


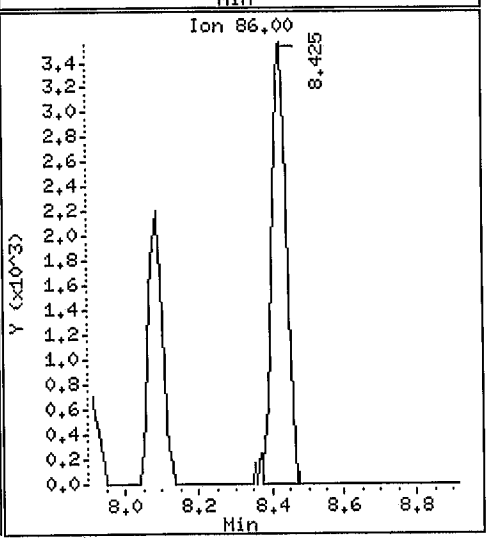












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

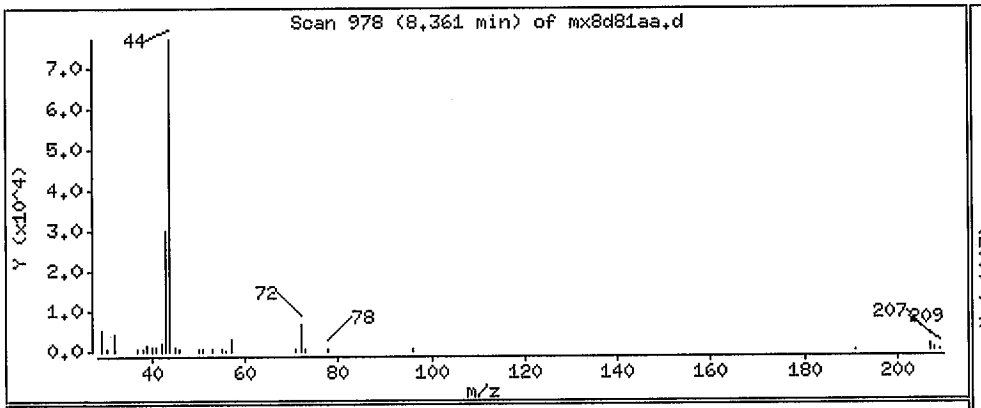
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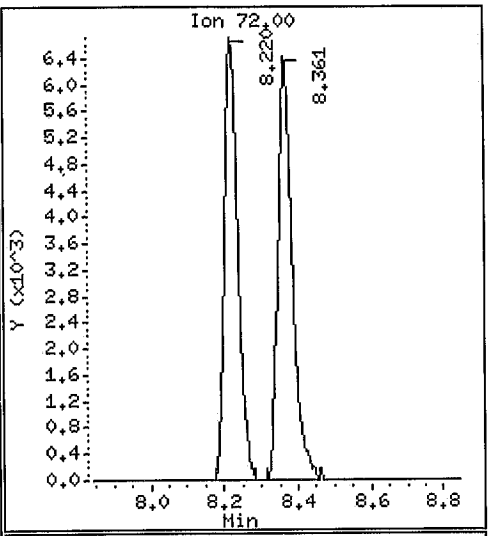
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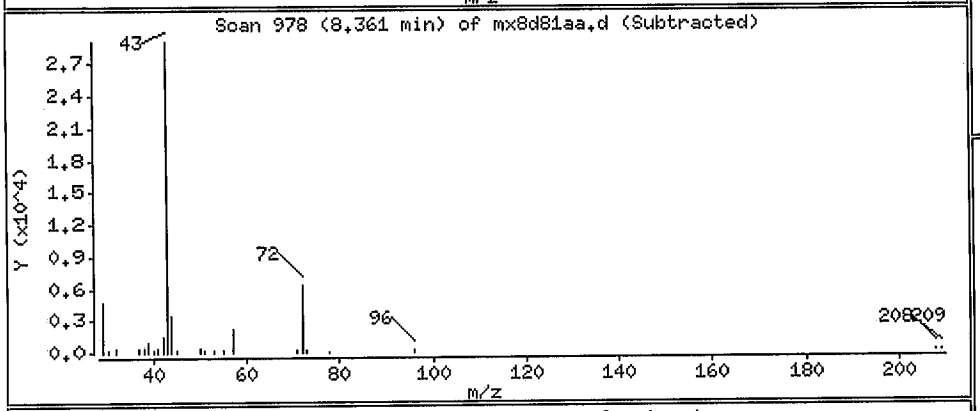
Column diameter: 0.32

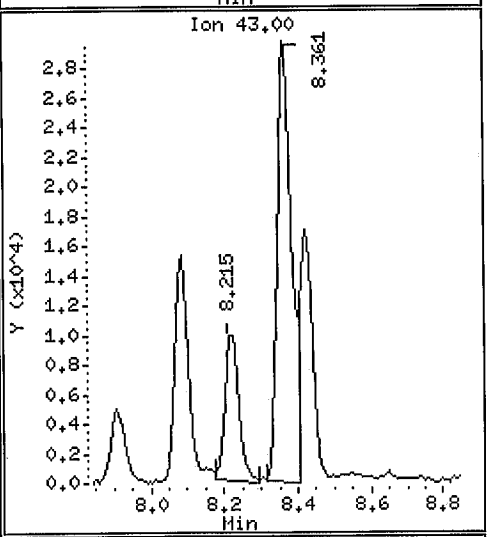
39 2-Butanone

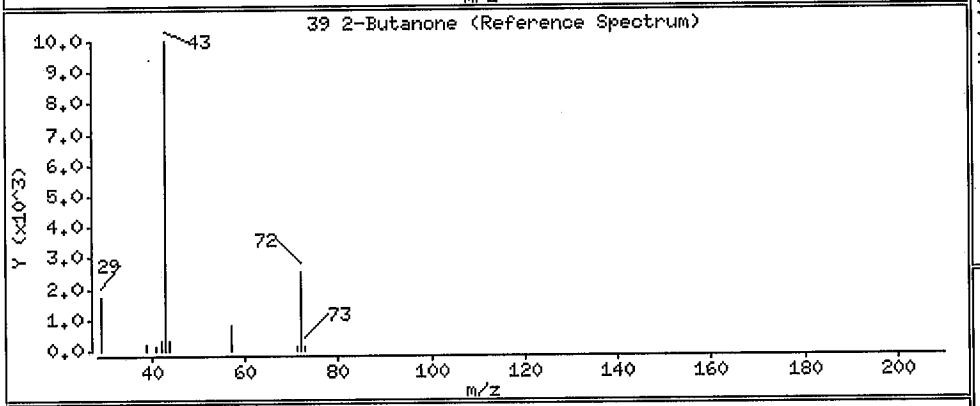
Concentration: 0.2558 ppb(v/v)

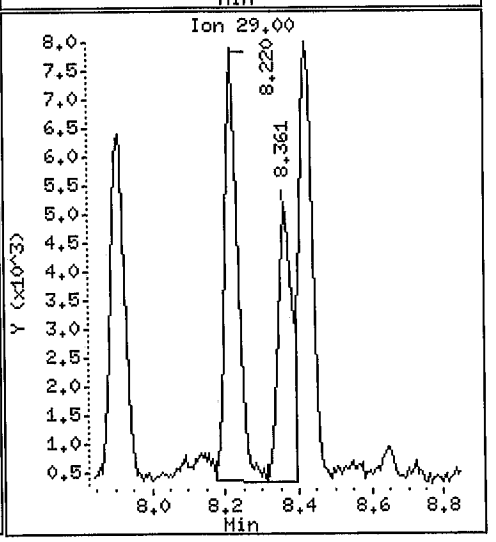


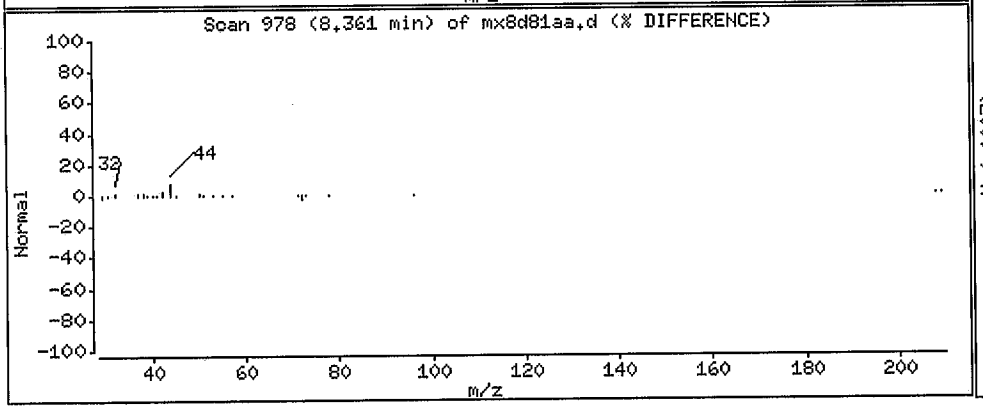












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

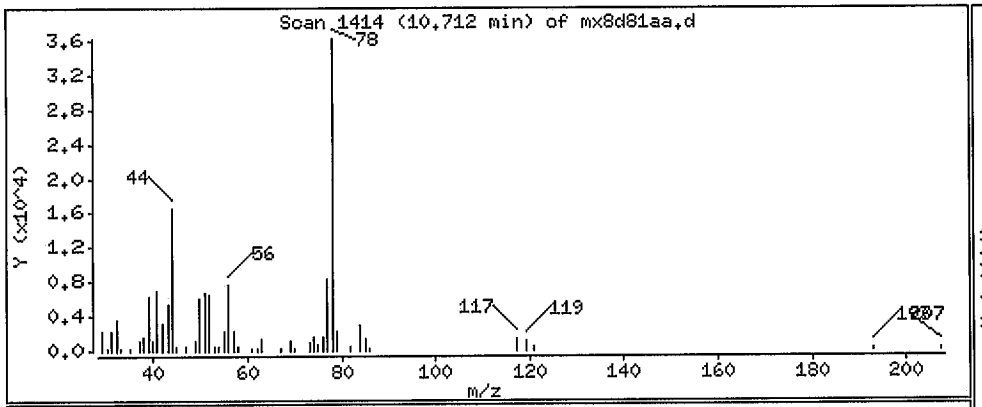
Operator: 403648

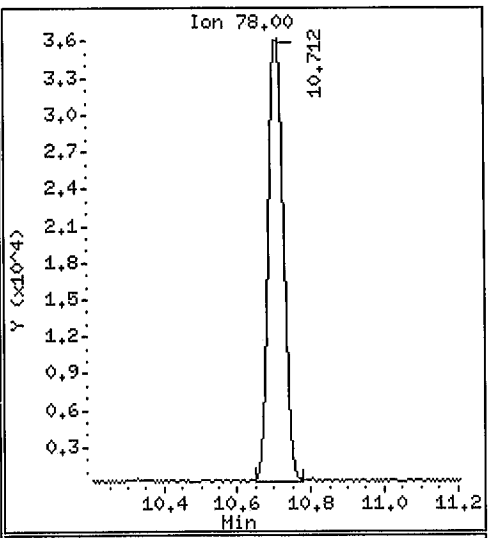
Column phase: Rtx-5

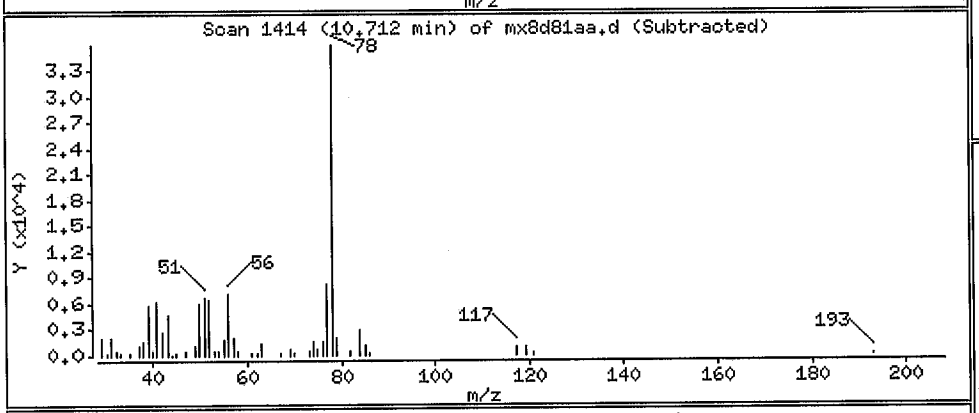
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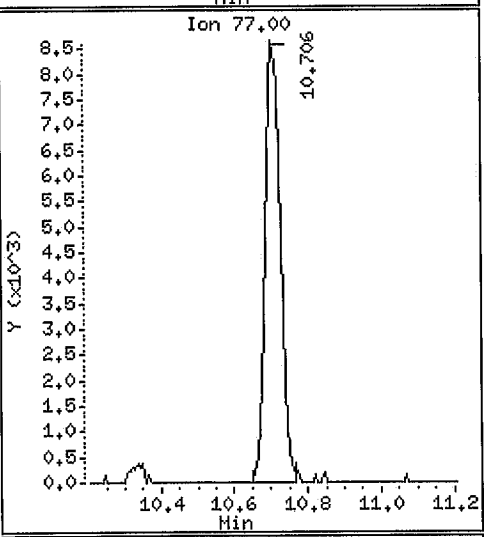
48 Benzene

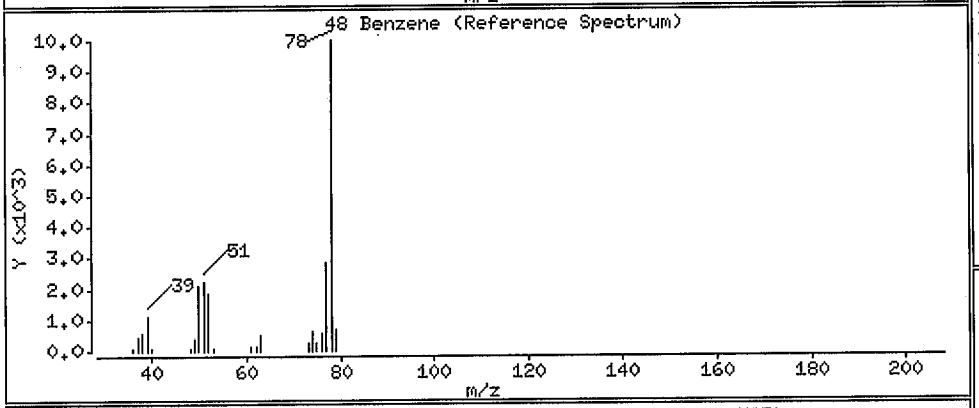
Concentration: 0.2171 ppb(v/v)

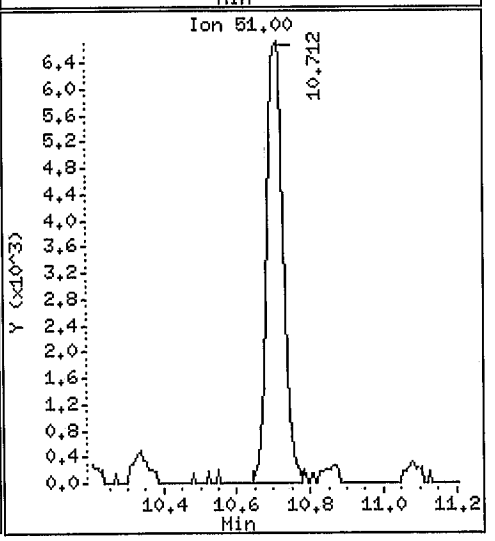


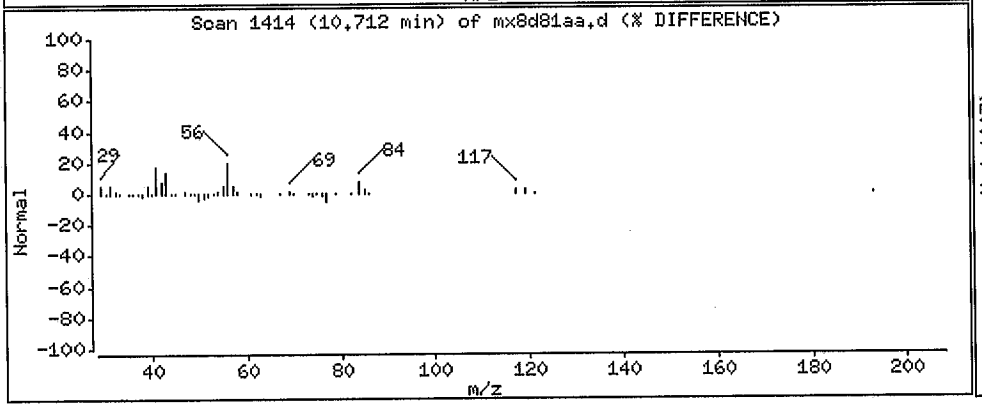












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

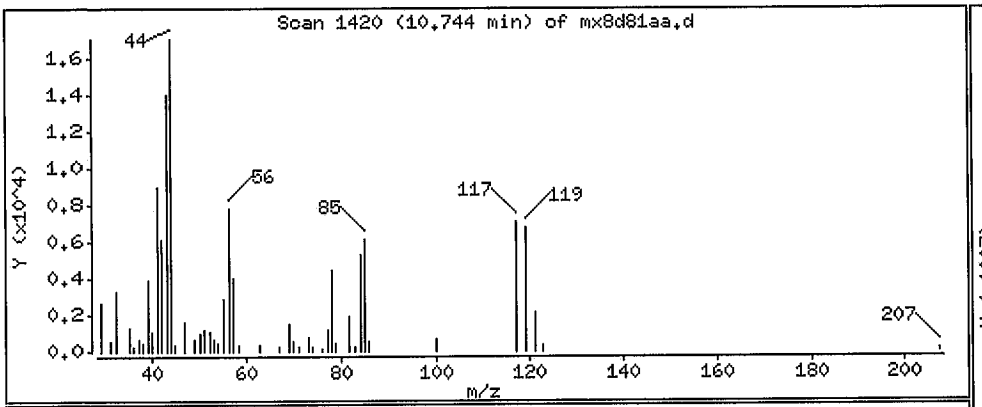
Operator: 403648

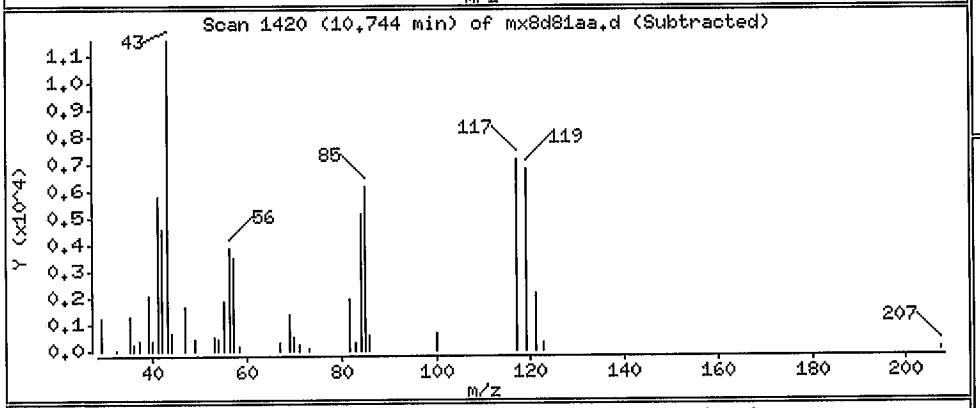
Column phase: Rtx-5

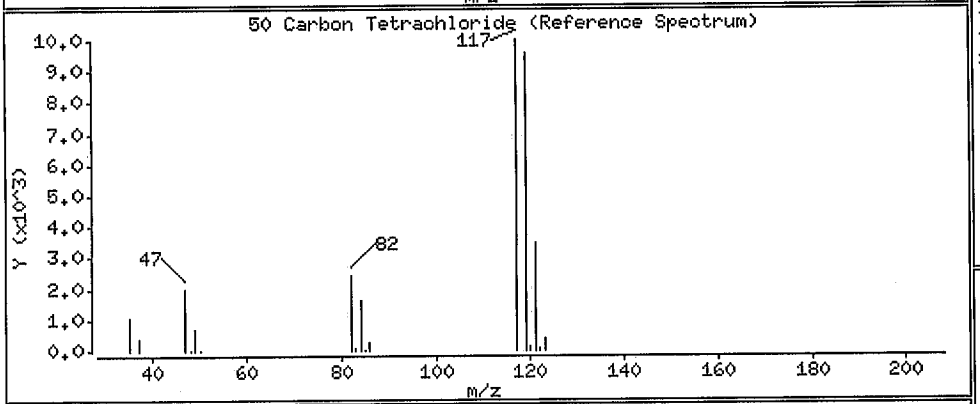
Column diameter: 0.32

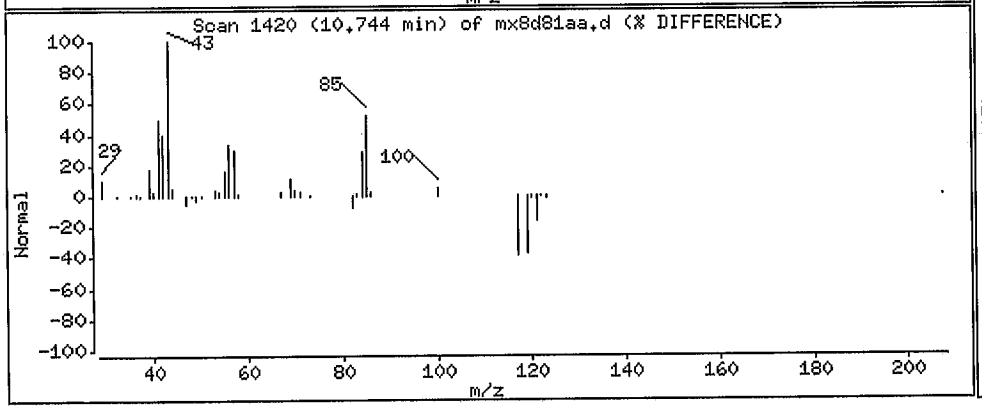
50 Carbon Tetrachloride

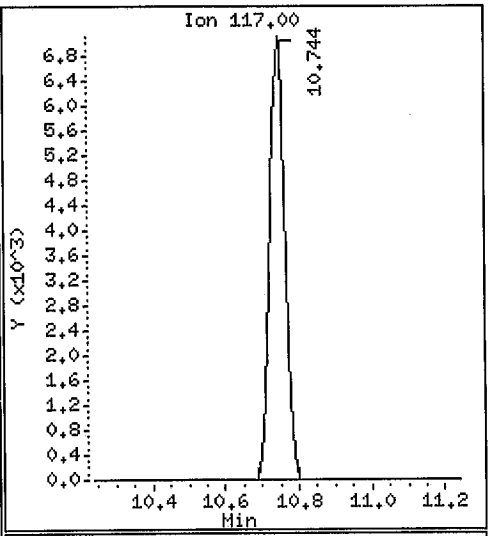
Concentration: 0.08488 ppb(v/v)

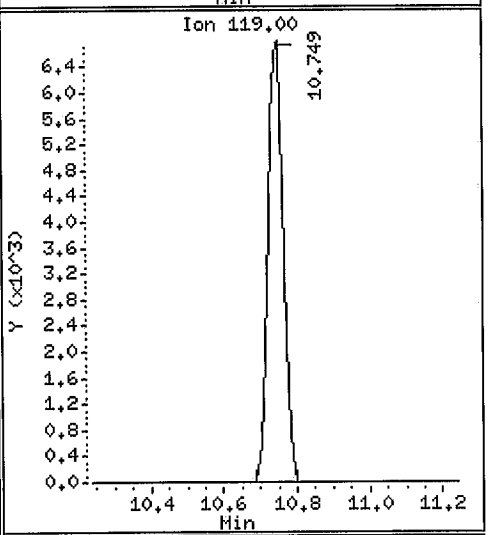


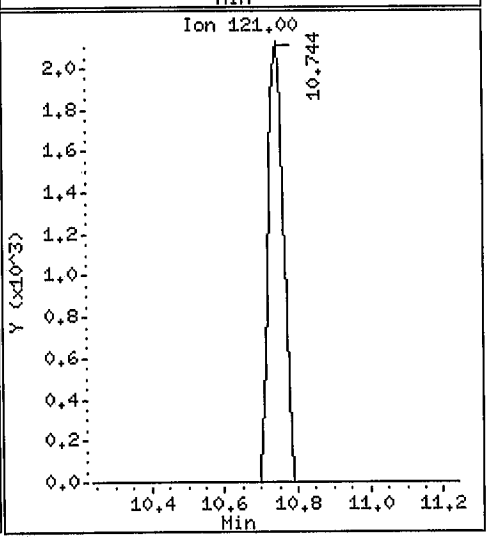












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

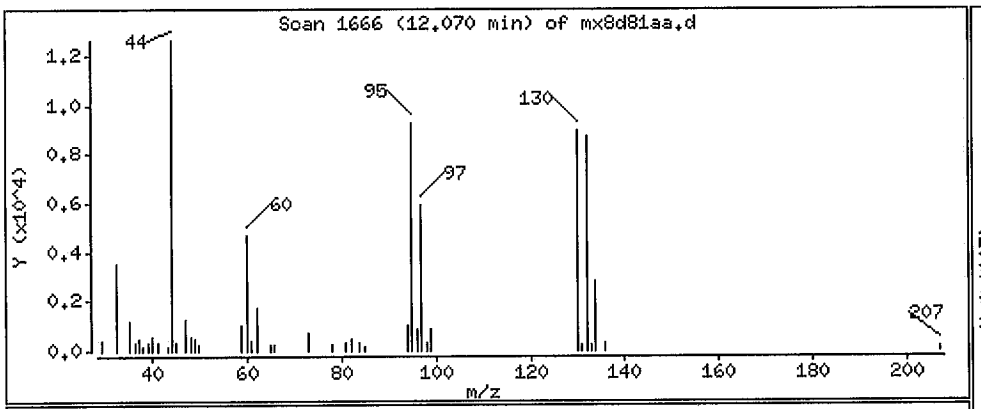
Client ID: 828076-IA-003B1-01 Instrument: mr.i

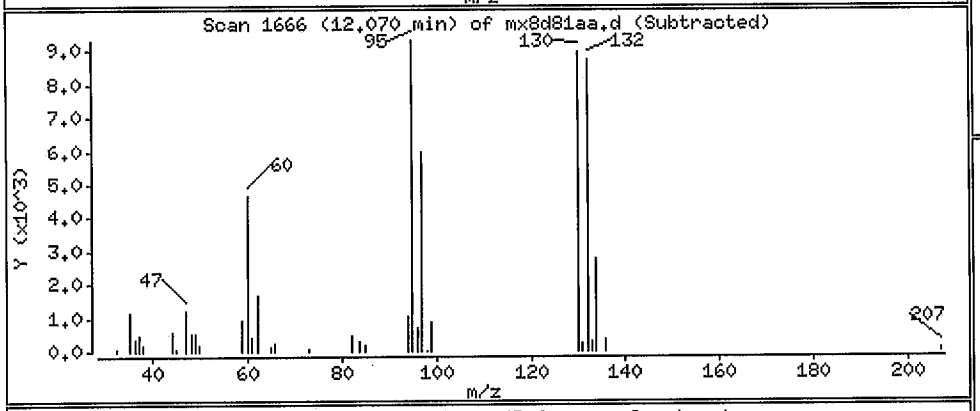
Sample Info: ,,0,,,

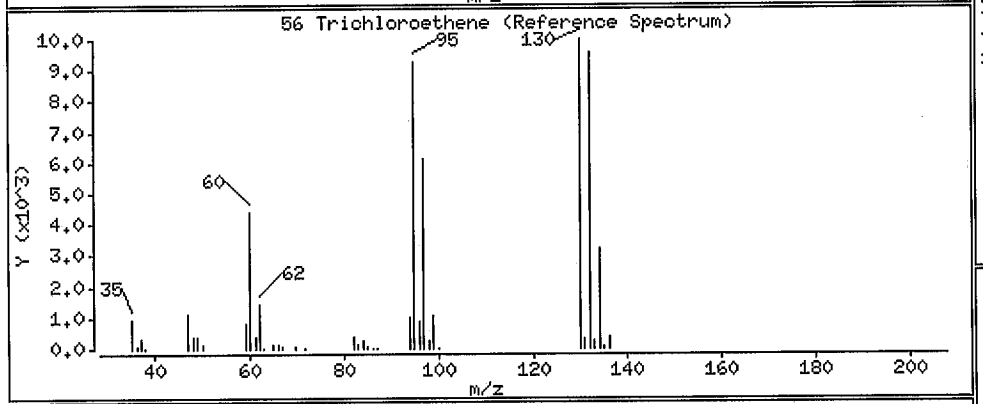
Purge Volume: 500.0 Operator: 403648

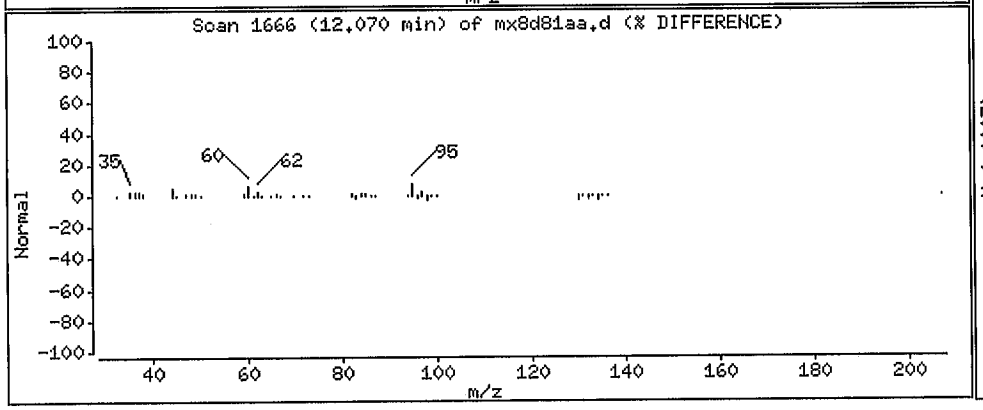
Column phase: Rtx-5 Column diameter: 0.32

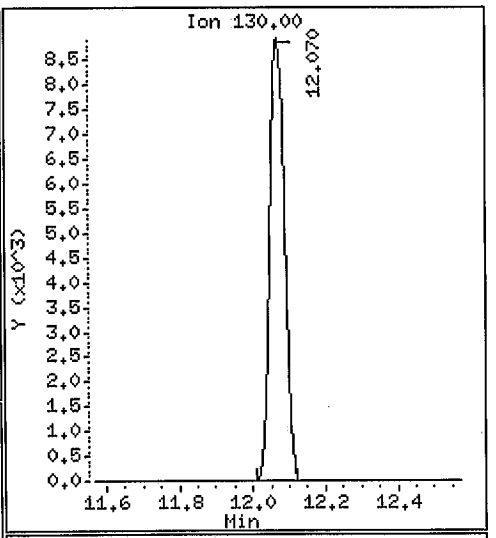
56 Trichloroethene Concentration: 0.1221 ppb(v/v)

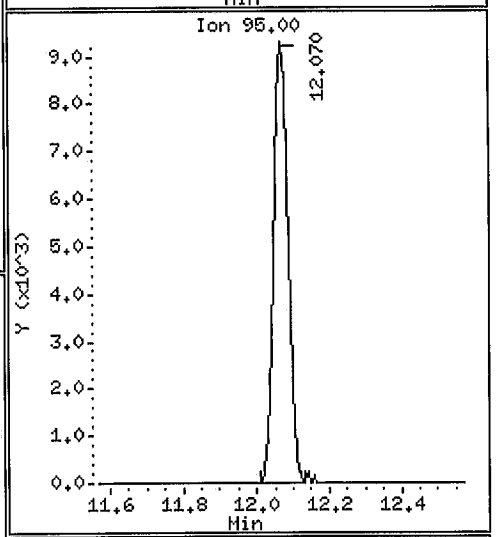


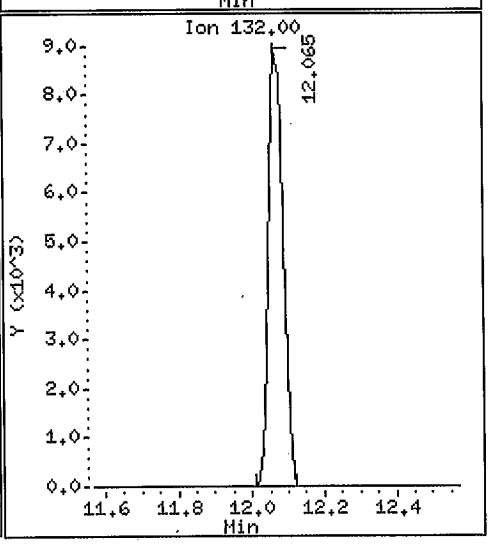












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

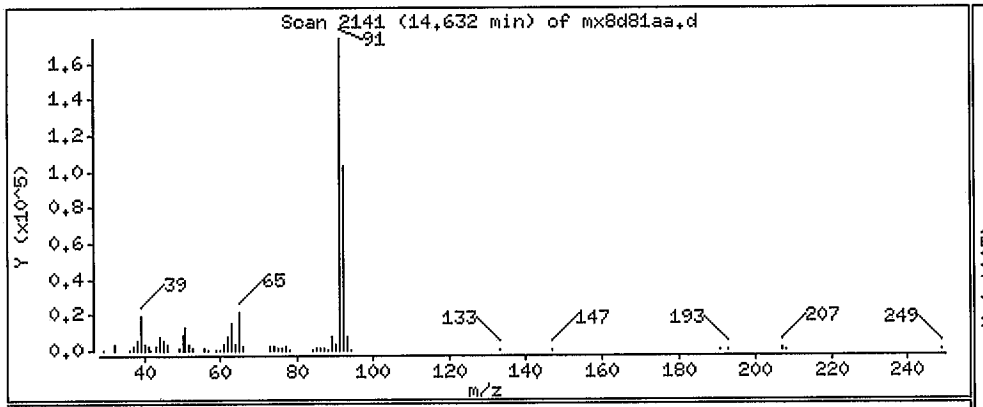
Client ID: 828076-IA-003B1-01 Instrument: mr.i

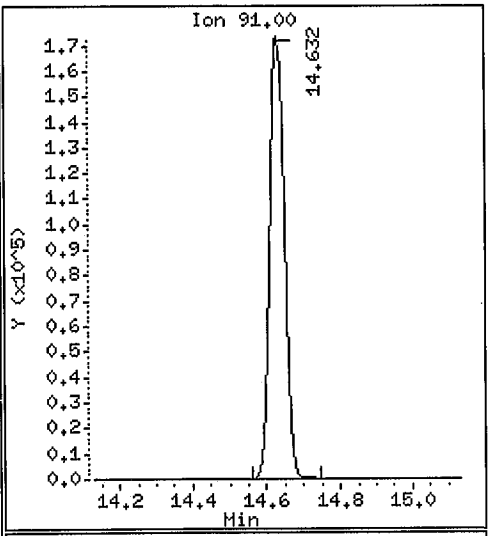
Sample Info: ,,0,,,

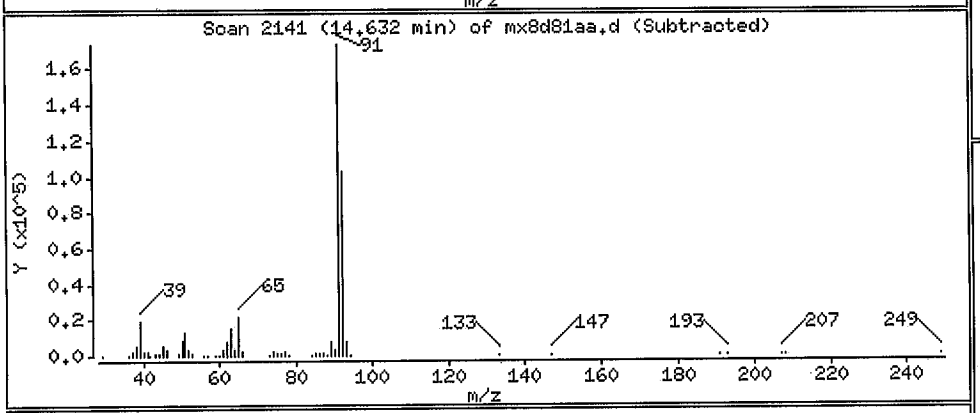
Purge Volume: 500.0 Operator: 403648

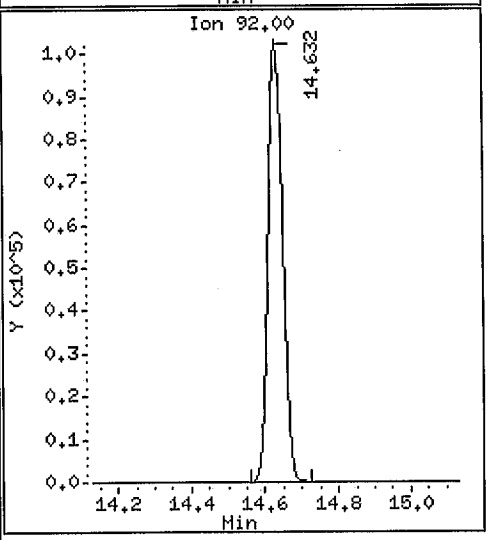
Column phase: Rtx-5 Column diameter: 0.32

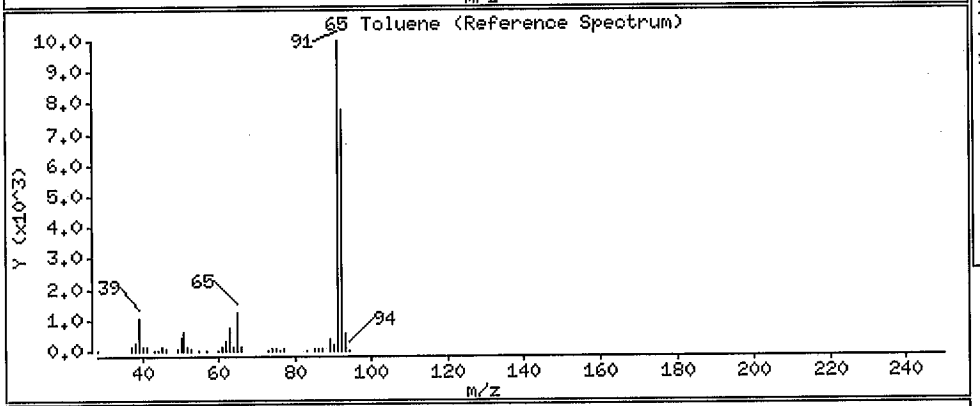
65 Toluene Concentration: 0.8313 ppb(v/v)

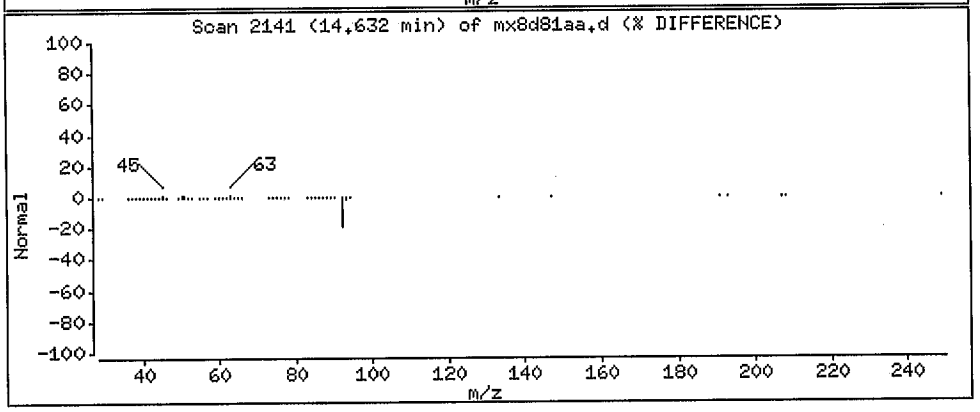












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

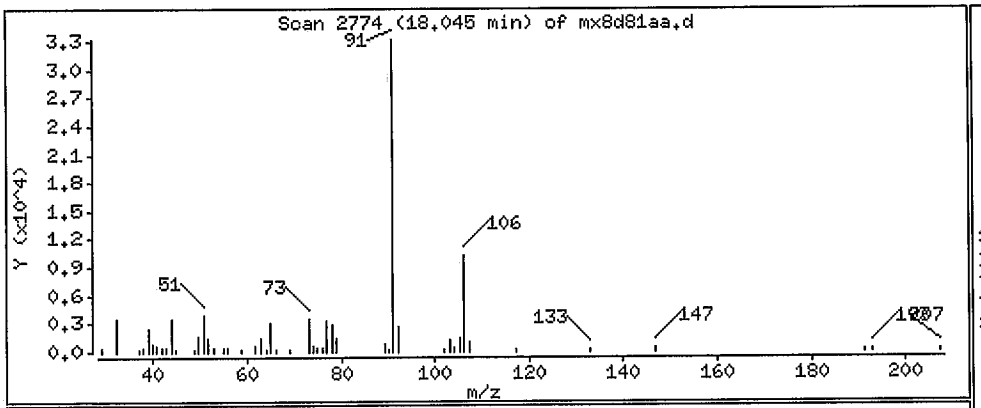
Client ID: 828076-IA-003B1-01 Instrument: mr.i

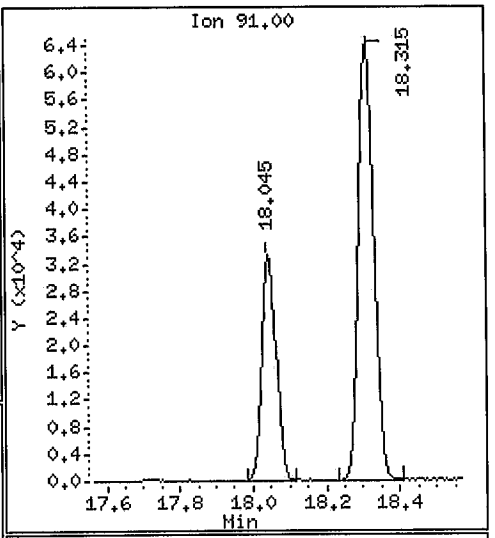
Sample Info: ,,0,,,

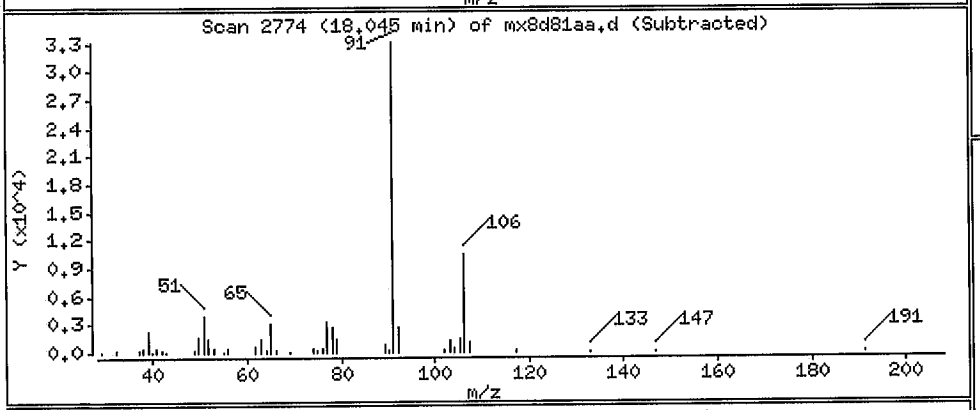
Purge Volume: 500.0 Operator: 403648

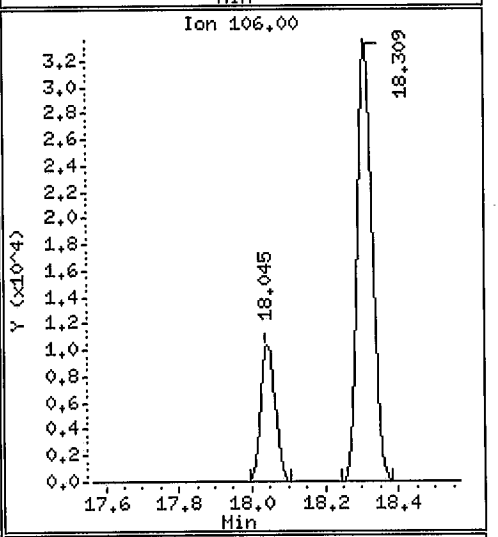
Column phase: Rtx-5 Column diameter: 0.32

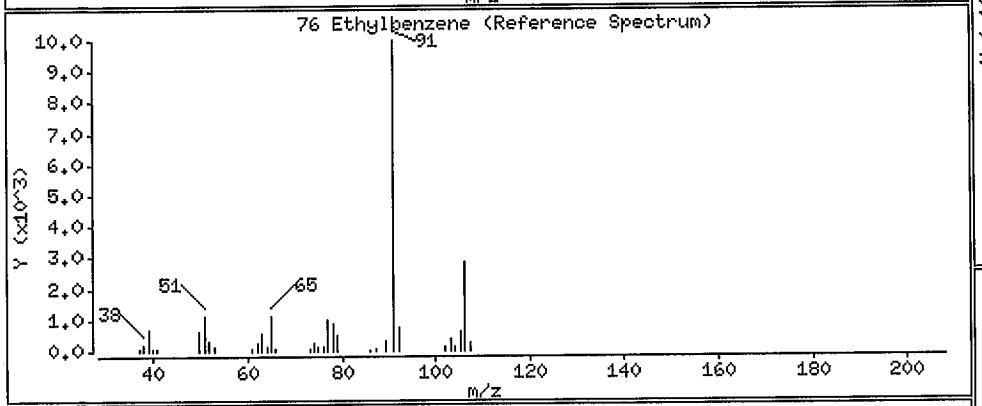
76 Ethylbenzene Concentration: 0.1284 ppb(v/v)

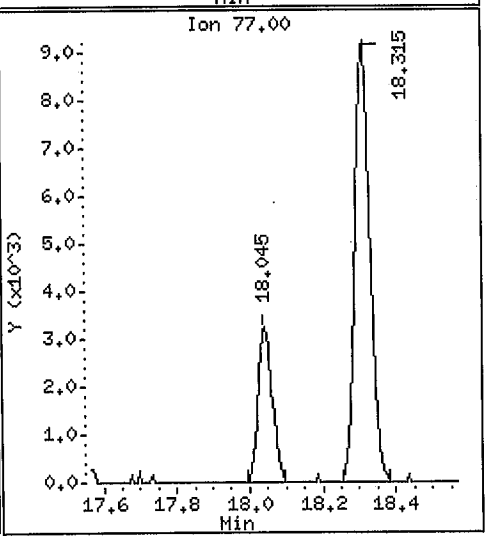


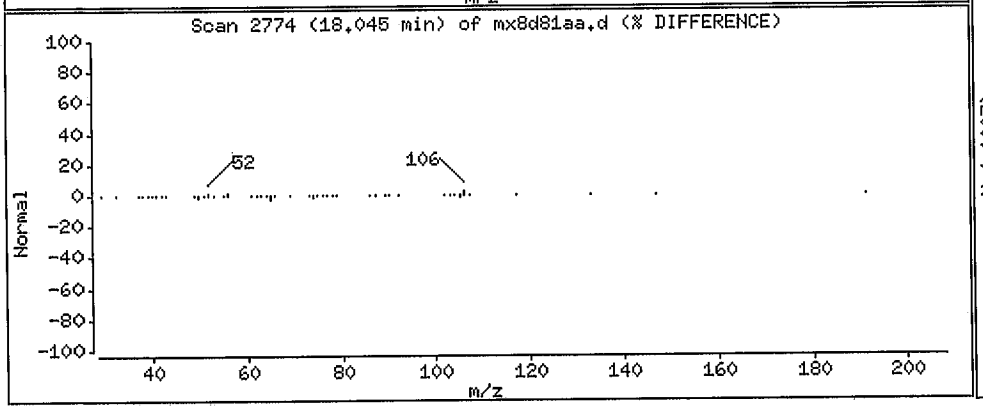












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

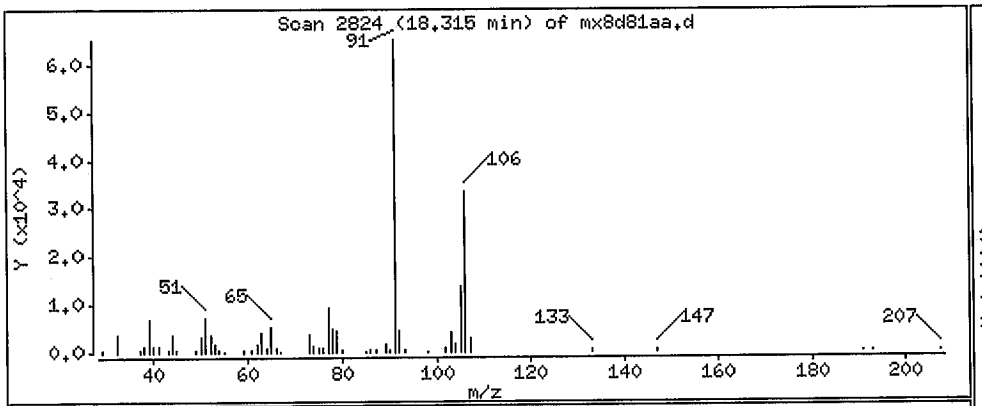
Operator: 403648

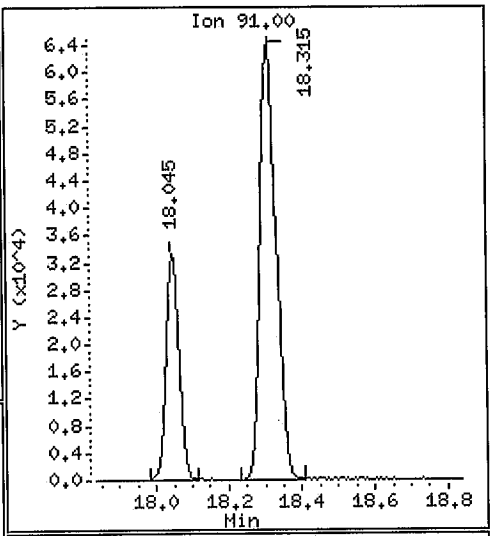
Column phase: Rtx-5

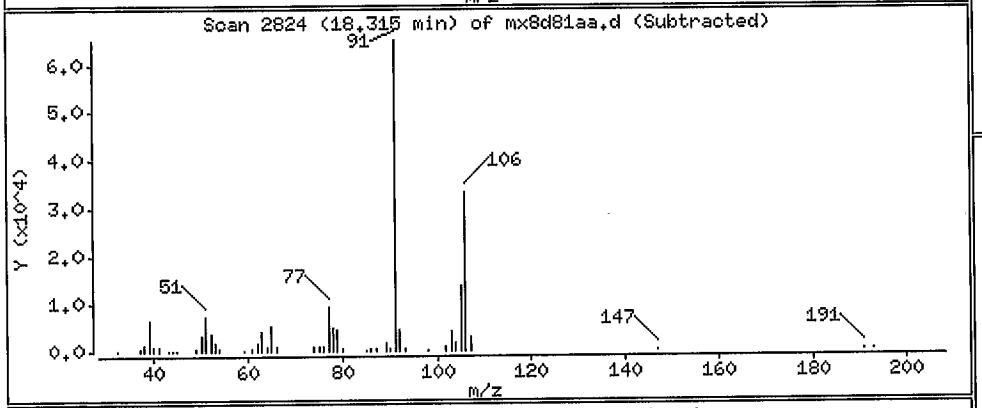
Column diameter: 0.32

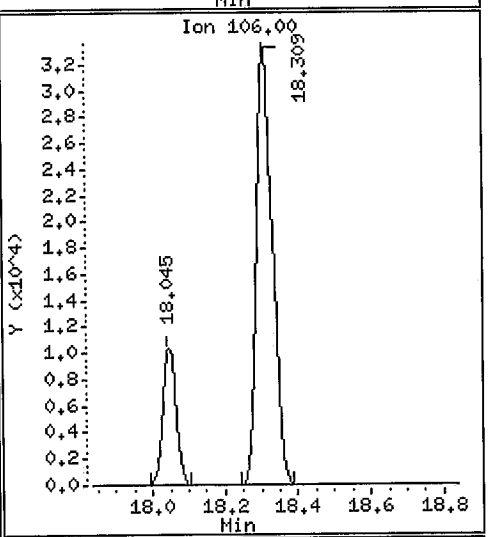
78 m&p-Xylene

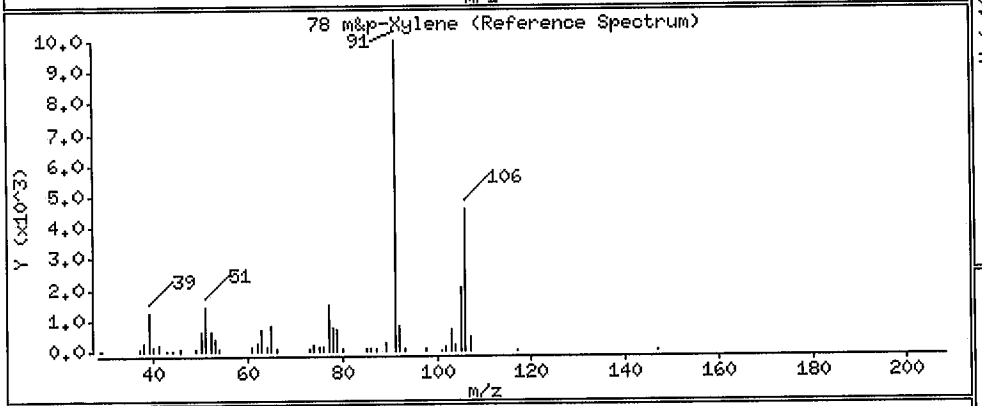
Concentration: 0.3712 ppb(v/v)

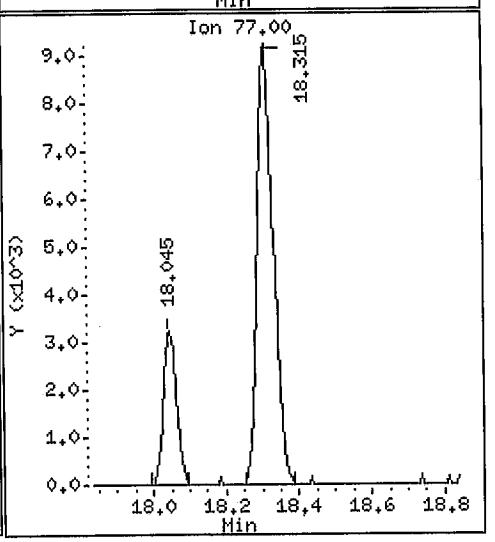


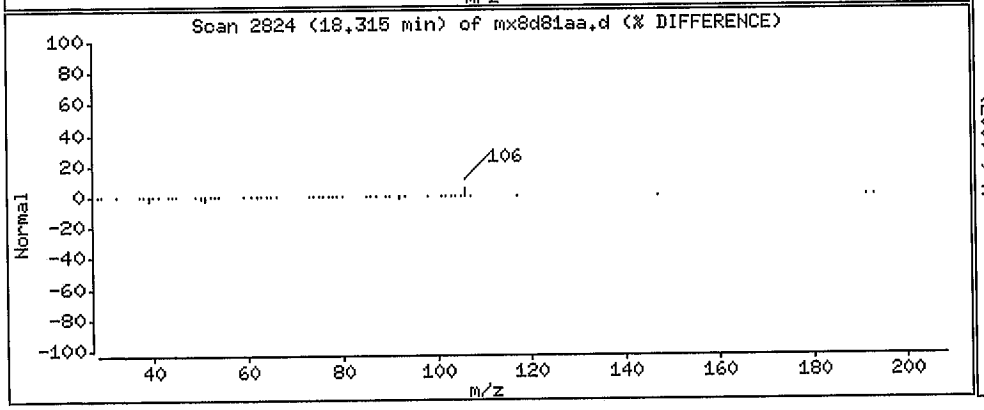












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

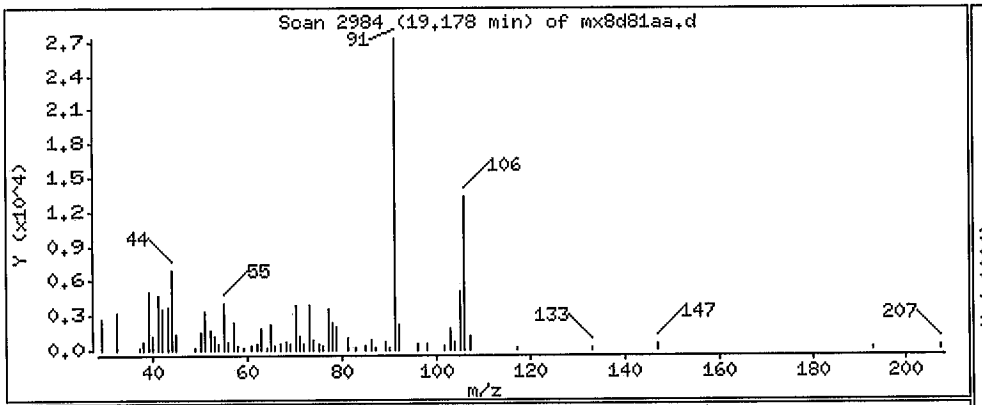
Operator: 403648

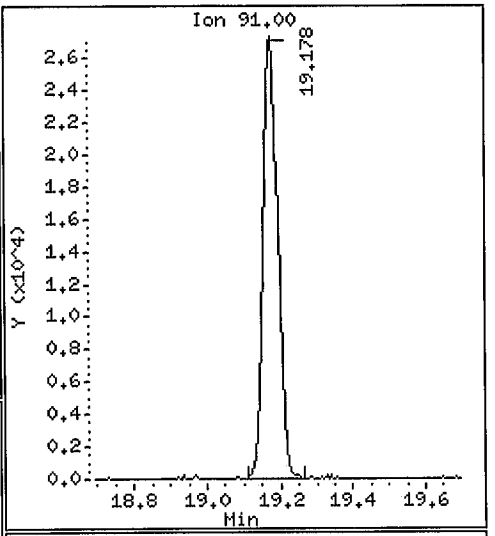
Column phase: Rtx-5

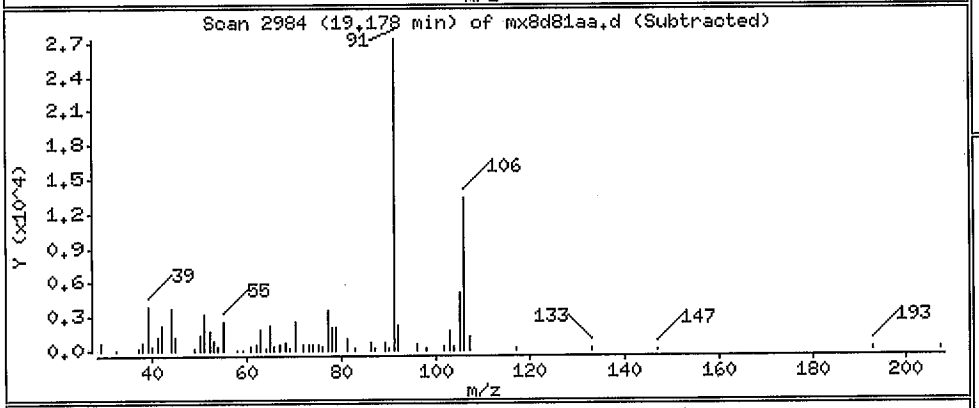
Column diameter: 0.32

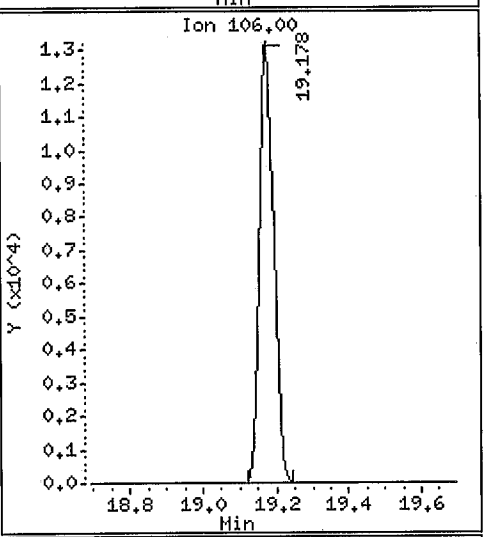
82 o-Xylene

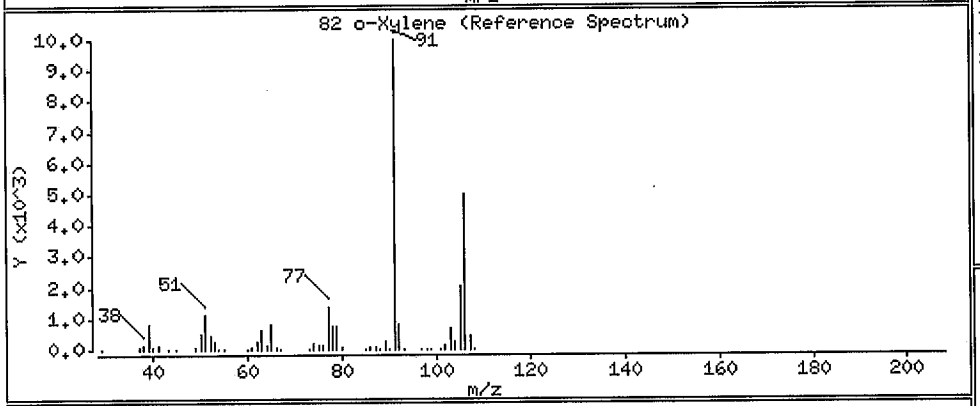
Concentration: 0.1346 ppb(v/v)

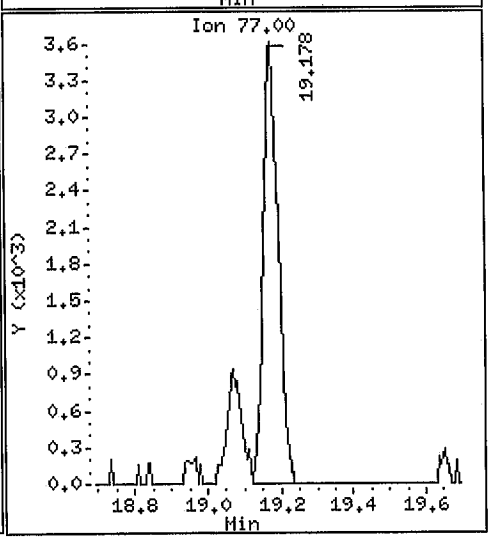


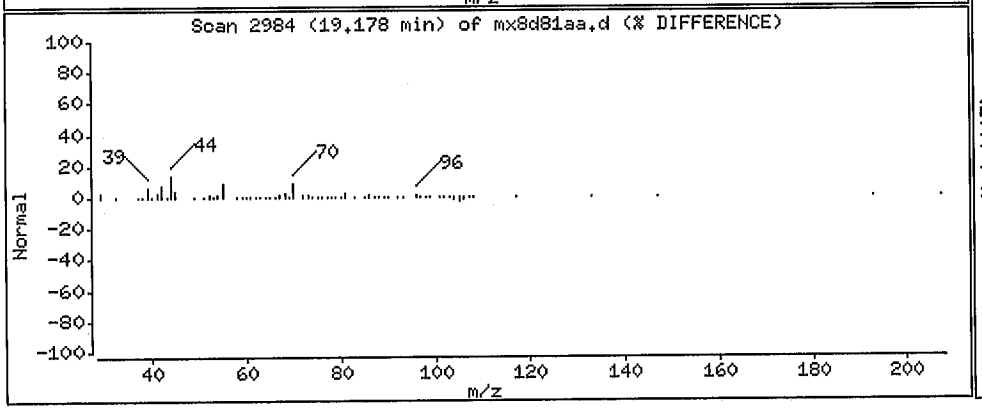












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d81aa.d

Date : 28-FEB-2013 22:08

Client ID: 828076-IA-003B1-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

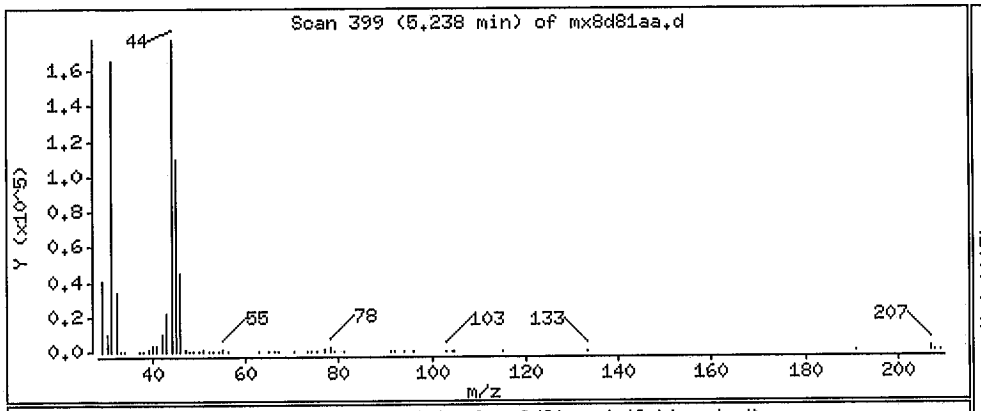
Operator: 403648

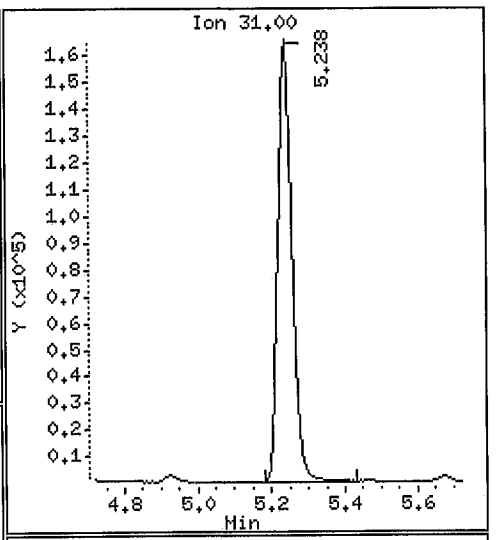
Column phase: Rtx-5

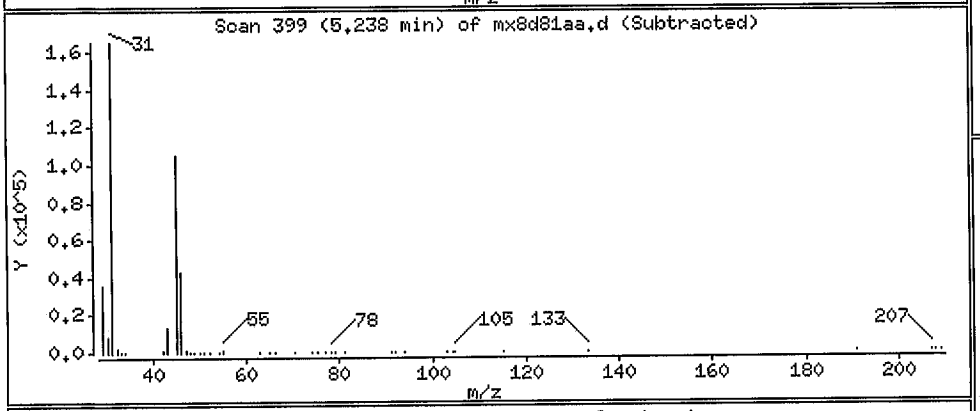
Column diameter: 0.32

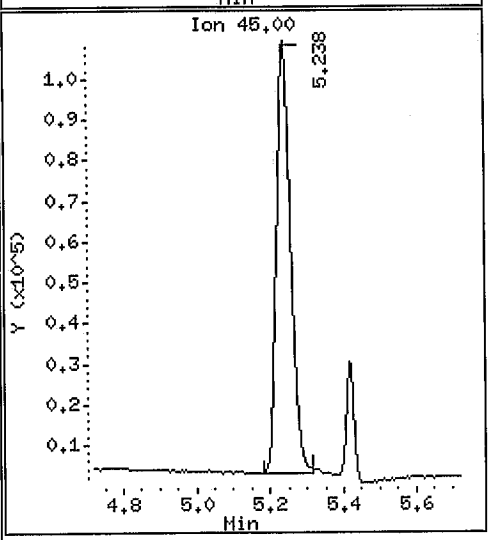
17 ~ ethanol

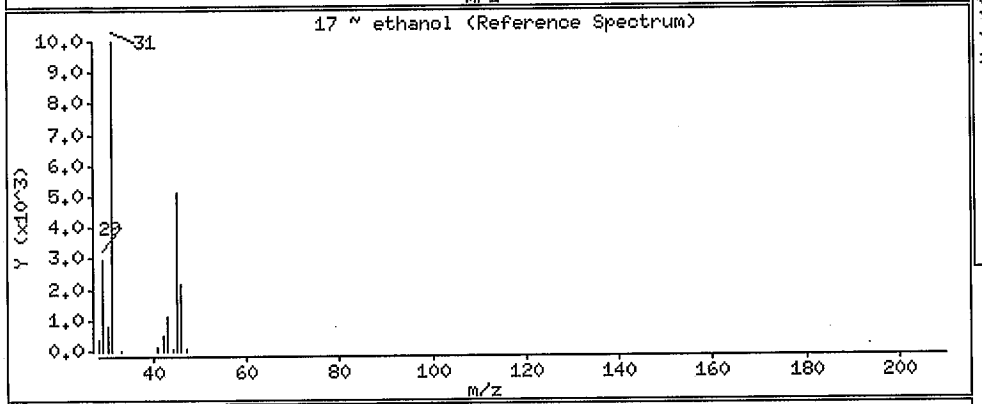
Concentration: 9.203 ppb(v/v)

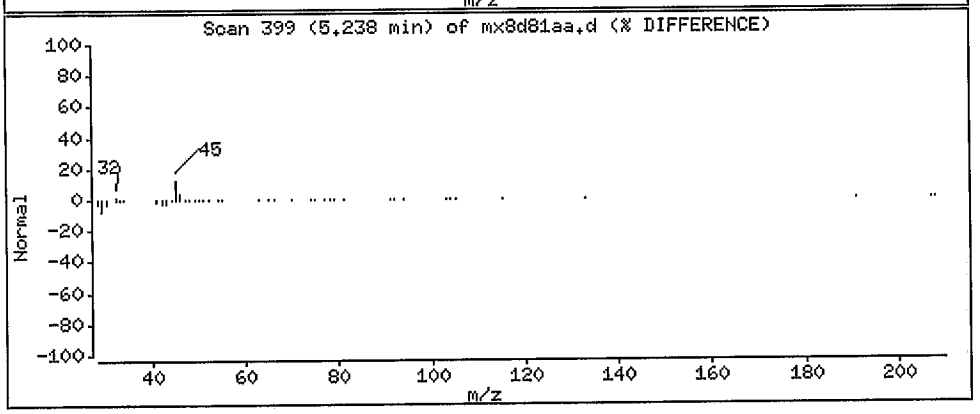












New York State D.E.C.

Client Sample ID: 828076-SS-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 002 **Work Order #** MX8D91AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 2.5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4
1,1,2-Trichlorotrifluoroethane	ND	0.20	ND	1.5
1,1,2-Trichloroethane	ND	0.20	ND	1.1
1,1-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	ND	0.20	ND	0.98
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,2-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloropropane	ND	0.20	ND	0.92
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98
1,4-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dioxane	ND	0.50	ND	1.8
2-Butanone (MEK)	**2.7**	**0.80**	**7.9**	**2.4**
1,3-Dichlorobenzene	ND	0.20	ND	1.2
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
Benzene	**0.76**	**0.20**	**2.4**	**0.64**
Benzyl chloride	ND	0.40	ND	2.1
Bromodichloromethane	ND	0.20	ND	1.3
Bromoform	ND	0.20	ND	2.1
Bromomethane	ND	0.20	ND	0.78
Carbon tetrachloride	ND	0.10	ND	0.63
Chlorobenzene	ND	0.20	ND	0.92
Chloroethane	**4.4**	**0.20**	**12**	**0.53**
Chloroform	ND	0.20	ND	0.98
Cyclohexane	**1.5**	**0.50**	**5.1**	**1.7**
Chloromethane	ND	0.50	ND	1.0
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
cis-1,3-Dichloropropene	ND	0.20	ND	0.91
Dibromochloromethane	ND	0.20	ND	1.7
Dichlorodifluoromethane	**0.48**	**0.20**	**2.4**	**0.99**
Ethanol	**8.5**	**2.0**	**16**	**3.8**
Ethylbenzene	**0.43**	**0.20**	**1.9**	**0.87**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
n-Hexane	**3.1**	**0.50**	**11**	**1.8**
Hexachlorobutadiene	ND	0.20	ND	2.1

New York State D.E.C.

Client Sample ID: 828076-SS-003B1-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 002 **Work Order #** MX8D91AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Methyl tert-butyl ether	ND	0.40	ND	1.4
Methylene chloride	**1.1**	**0.50**	**3.9**	**1.7**
Styrene	ND	0.20	ND	0.85
tert-Butyl alcohol	ND	0.80	ND	2.4
Tetrachloroethene	**0.73**	**0.20**	**4.9**	**1.4**
Toluene	**2.5**	**0.20**	**9.3**	**0.75**
m-Xylene & p-Xylene	**0.93**	**0.20**	**4.0**	**0.87**
o-Xylene	**0.29**	**0.20**	**1.3**	**0.87**
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
Trichloroethene	**16**	**0.10**	**86**	**0.54**
Trichlorofluoromethane	**0.28**	**0.20**	**1.5**	**1.1**
Vinyl chloride	ND	0.20	ND	0.51

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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/mr.i/R022813.b/mx8d91aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d
Lab Smp Id: MX8D91AA Client Smp ID: 828076-SS-003B1-01
Inj Date : 01-MAR-2013 08:34
Operator : 403648 Inst ID: mr.i
Smp Info : ,2.5,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 14
Dil Factor: 2.50000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	2.50000	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))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.115	9.088	(1.000)	282601	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.288	11.272	(1.000)	1467181	4.00000	4.000
* 3 Chlorobenzene-d5	117	17.484	17.495	(1.000)	1152016	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	832839	4.12924	4.129
7 Dichlorodifluoromethane	85	4.198	4.241	(0.460)	56590	0.19217	0.4804
16 Chloroethane	64	5.103	5.120	(0.560)	111074	1.77574	4.439
20 Trichlorofluoromethane	101	5.664	5.675	(0.621)	31566	0.11033	0.2758
31 Methylene Chloride	84	6.651	6.656	(0.730)	46326	0.45497	1.137
33 Carbon Disulfide	76	6.813	6.824	(0.747)	22918	0.07048	0.1762
40 Hexane	56	8.414	8.414	(0.923)	120136	1.23726	3.093
39 2-Butanone	72	8.387	8.344	(0.920)	60886	1.07308	2.683
44 Tetrahydrofuran	42	9.531	9.498	(1.046)	15293	0.11969	0.2992(H)
49 Cyclohexane	69	10.744	10.722	(0.952)	34219	0.59409	1.485
48 Benzene	78	10.728	10.706	(0.950)	112254	0.30226	0.7557
54 Heptane	71	11.984	11.968	(1.062)	103270	0.79245	1.981
56 Trichloroethene	130	12.081	12.070	(1.070)	1061513	6.42558	16.06

Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d
Report Date: 01-Mar-2013 11:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
65 Toluene	91	14.637	14.632	(0.837)	473176	0.98994	2.475
69 2-Hexanone	58	15.279	15.273	(0.874)	7030	0.04831	0.1208
73 Tetrachloroethene	129	16.244	16.244	(0.929)	49176	0.29048	0.7262
76 Ethylbenzene	91	18.045	18.067	(1.032)	103220	0.17196	0.4299
78 m&p-Xylene	91	18.315	18.336	(1.047)	171806	0.37077	0.9269
82 o-Xylene	91	19.178	19.194	(1.097)	55306	0.11569	0.2892
17 ~ ethanol	31	5.281	5.222	(0.579)	131359	3.38918	8.473

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8d91aa.d
Lab Smp Id: MX8D91AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-SS-003B1-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	282601	-35.38
2 1,4-Difluorobenze	2178721	1296339	3061103	1467181	-32.66
3 Chlorobenzene-d5	1632809	971521	2294097	1152016	-29.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.12	0.30
2 1,4-Difluorobenze	11.27	10.94	11.60	11.29	0.14
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.06

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/mr.i/R022813.b/mx8d91aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

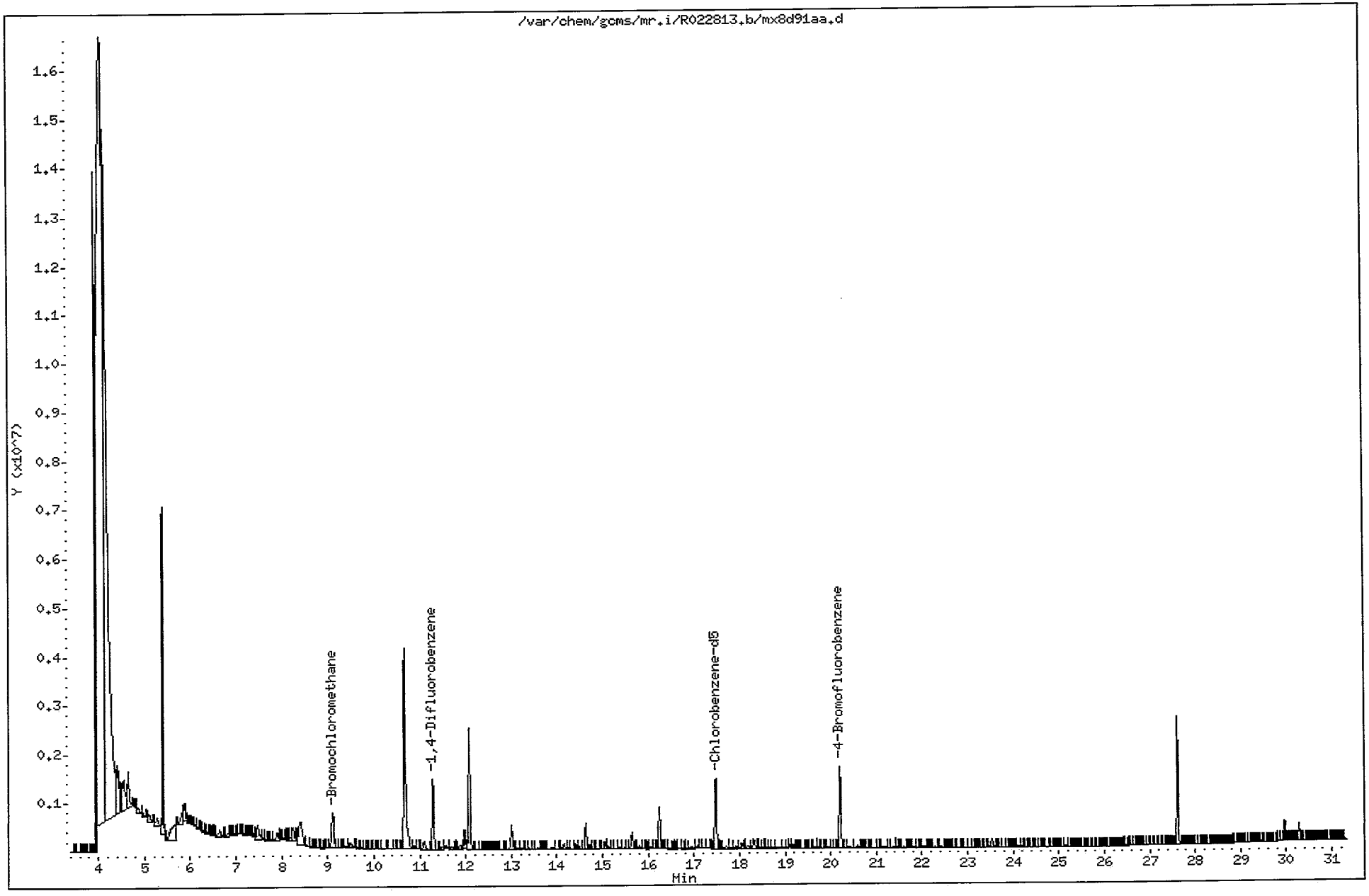
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8D91AA Client Smp ID: 828076-SS-003B1-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.129	103.23	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d
Date : 01-MAR-2013 08:34
Client ID: 828076-SS-003B1-01
Sample Info: ,2.5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

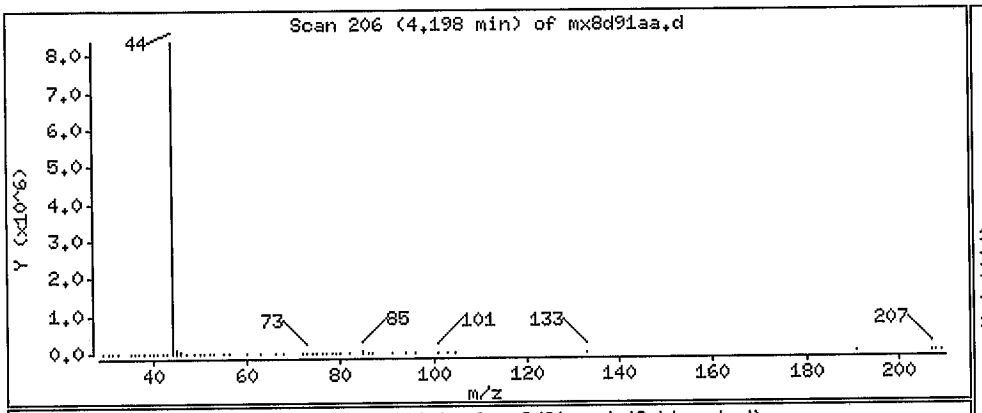
Operator: 403648

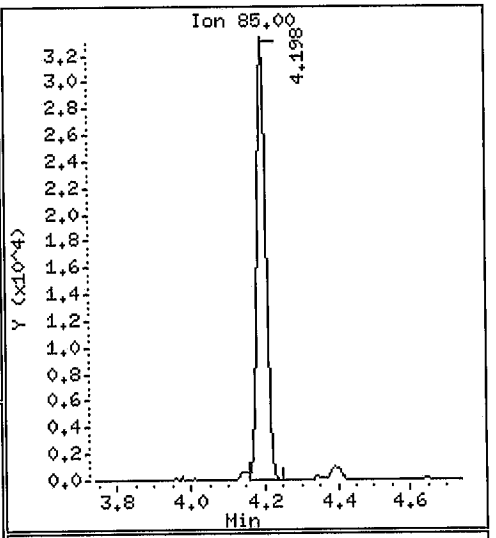
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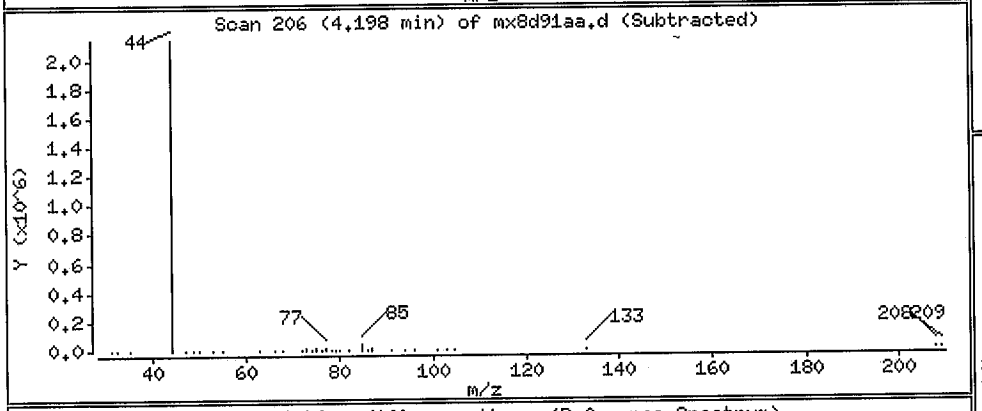
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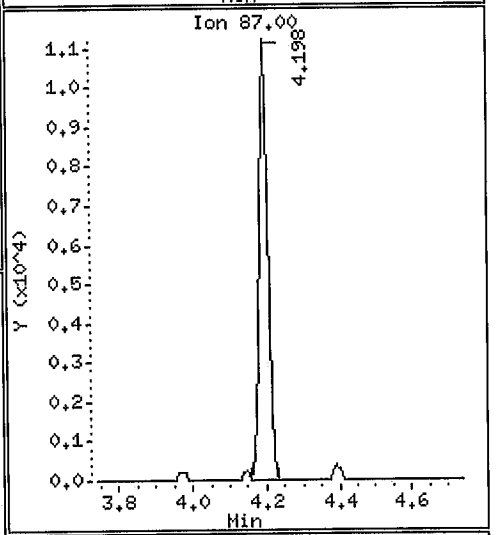
7 Dichlorodifluoromethane

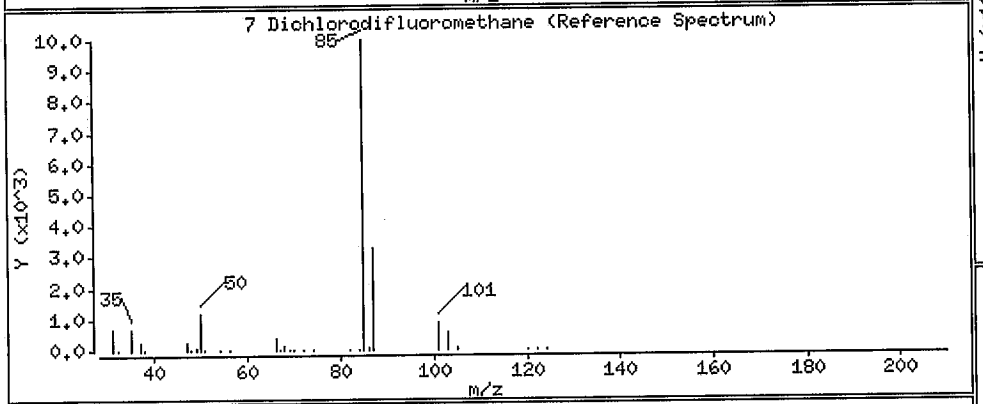
Concentration: 0.4804 ppb(v/v)

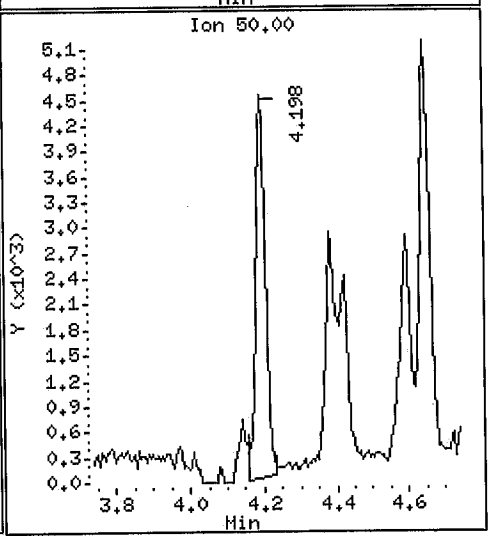


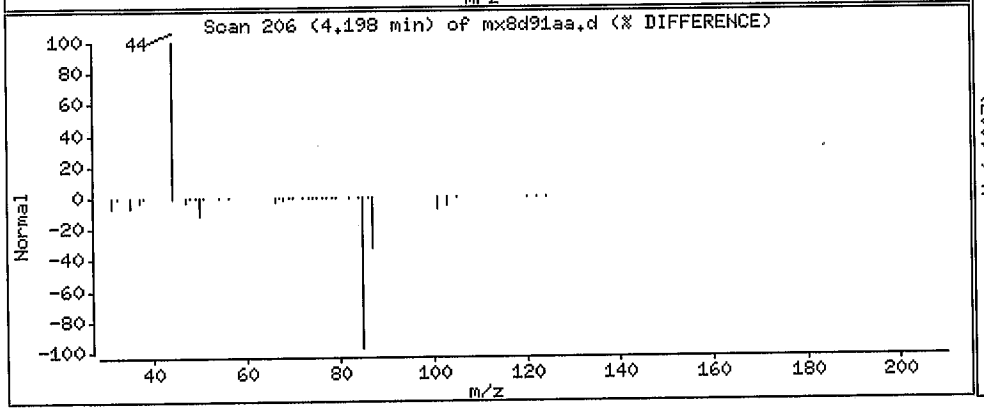












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

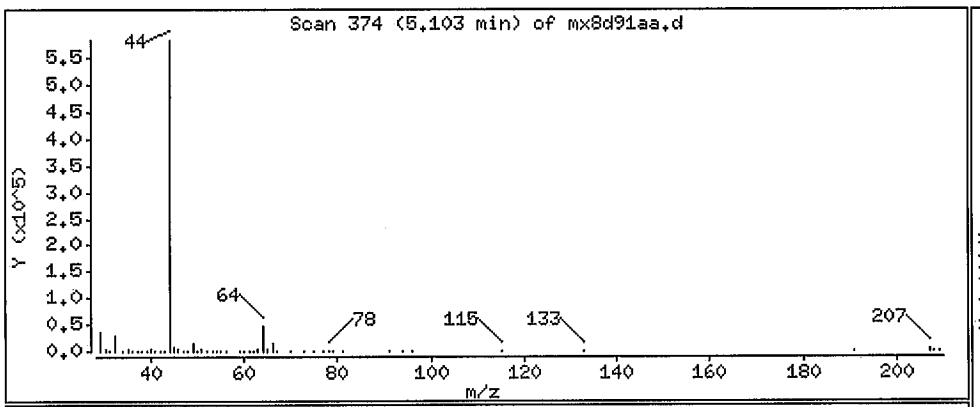
Client ID: 828076-SS-003B1-01 Instrument: mr.i

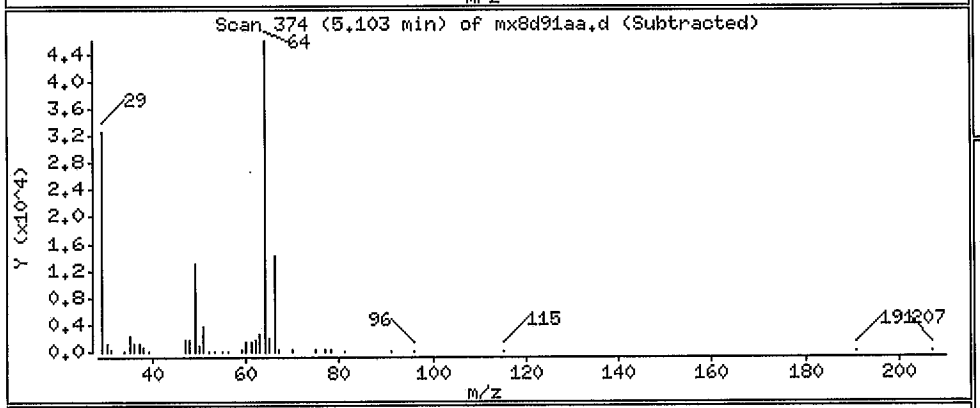
Sample Info: ,2.5,0,,,

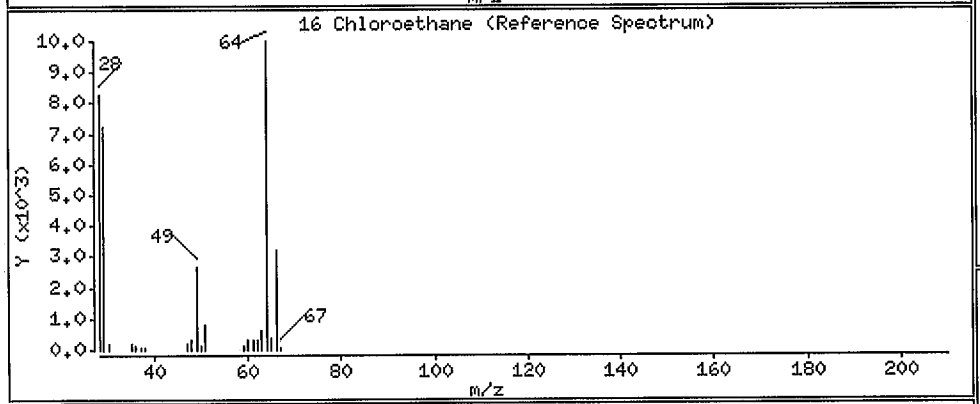
Purge Volume: 500.0 Operator: 403648

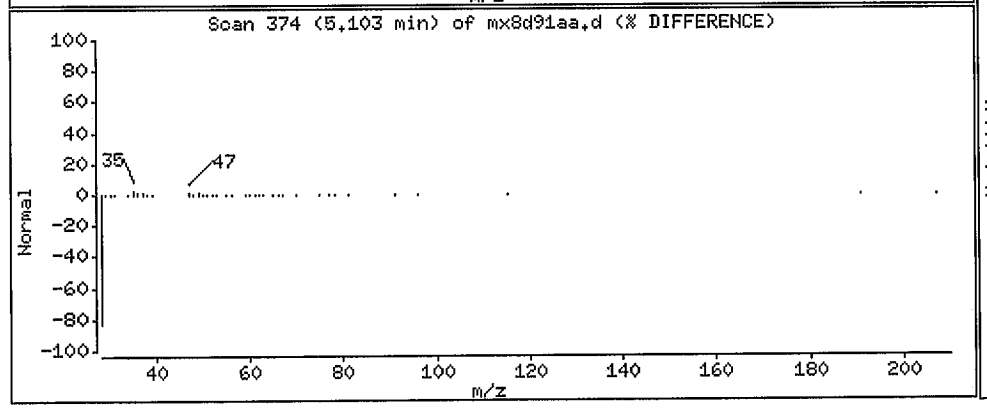
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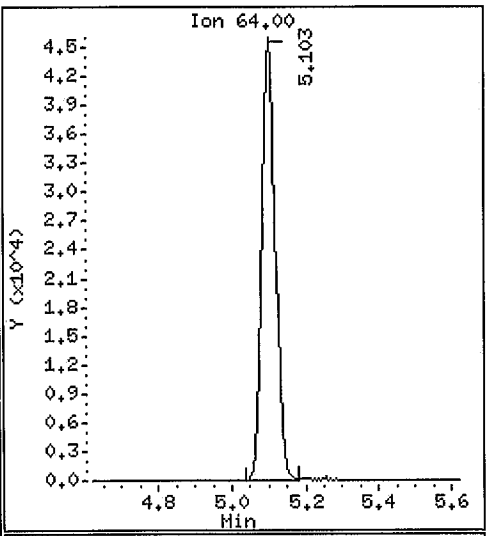
16 Chloroethane Concentration: 4.439 ppb(v/v)

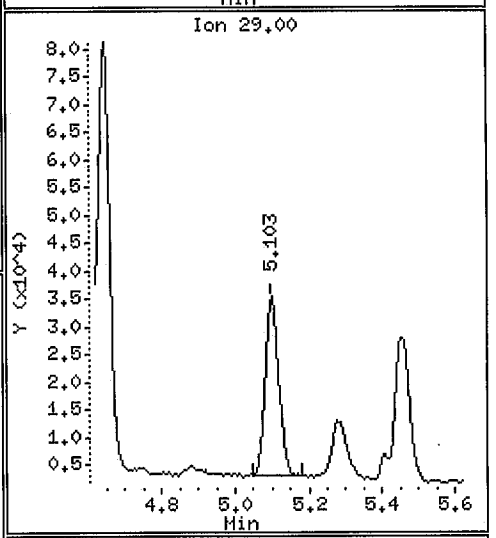


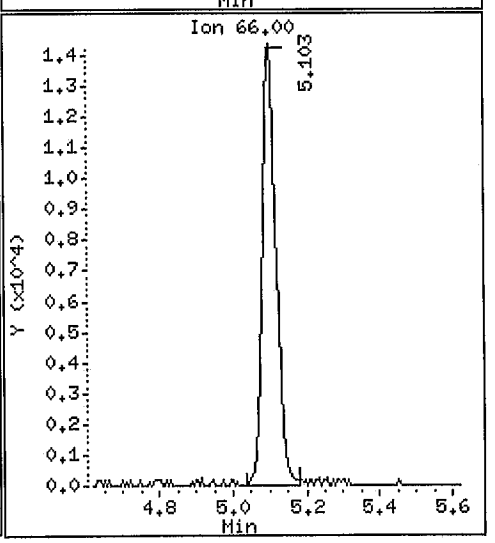












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

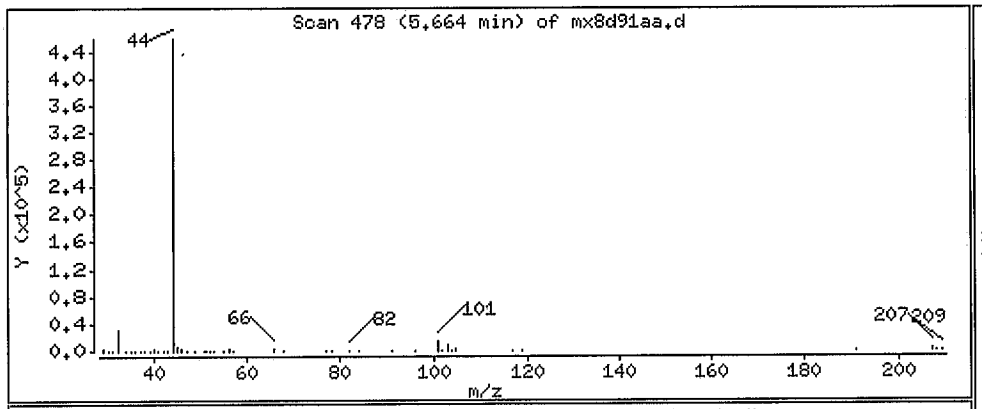
Client ID: 828076-SS-003B1-01 Instrument: mr.i

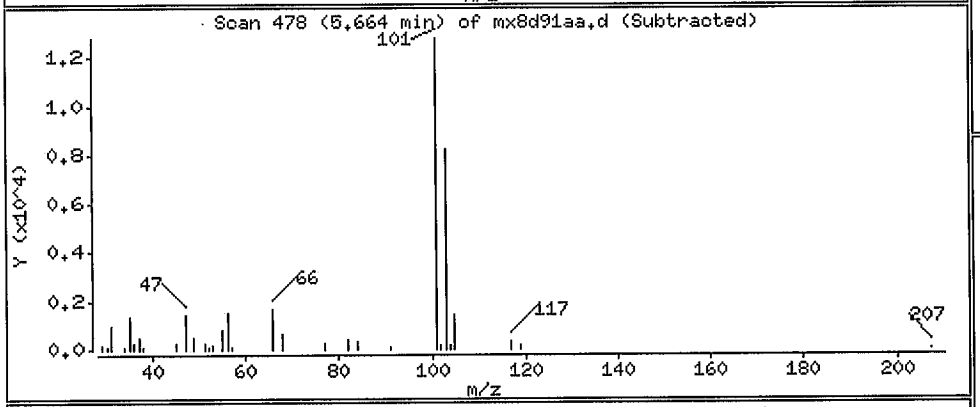
Sample Info: ,2.5,0,,,

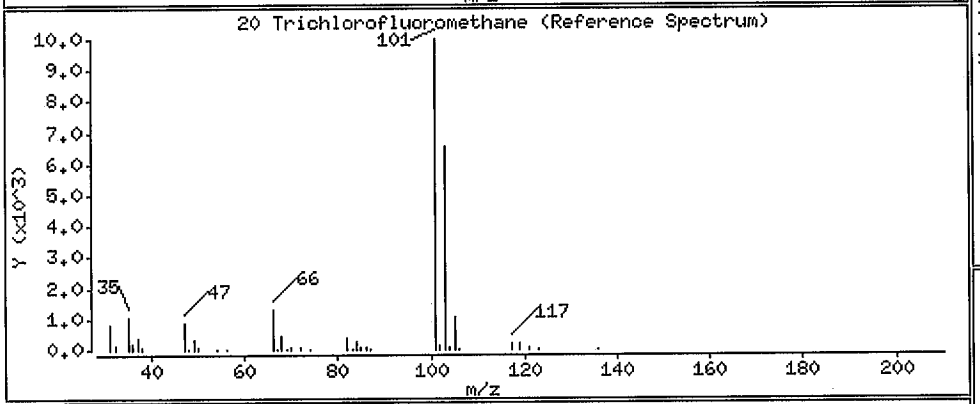
Purge Volume: 500.0 Operator: 403648

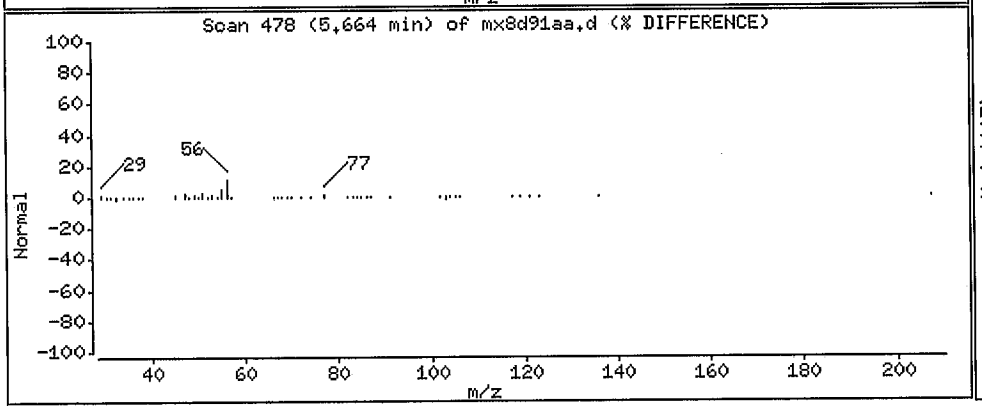
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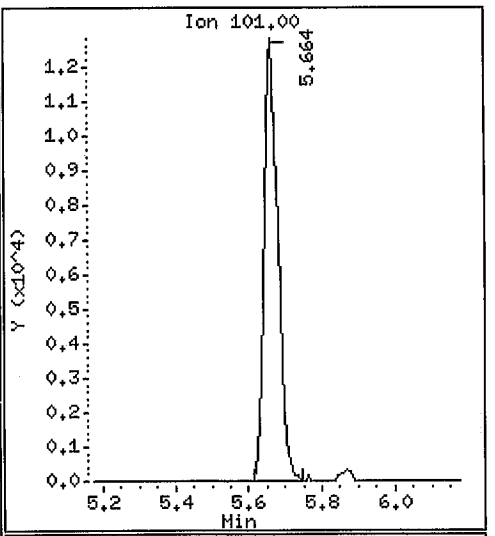
20 Trichlorofluoromethane Concentration: 0.2758 ppb(v/v)

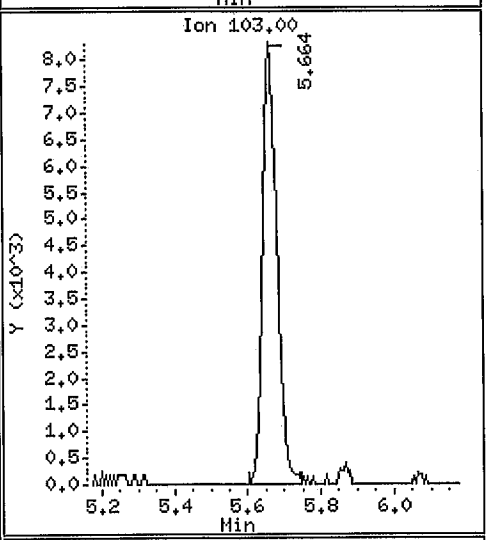


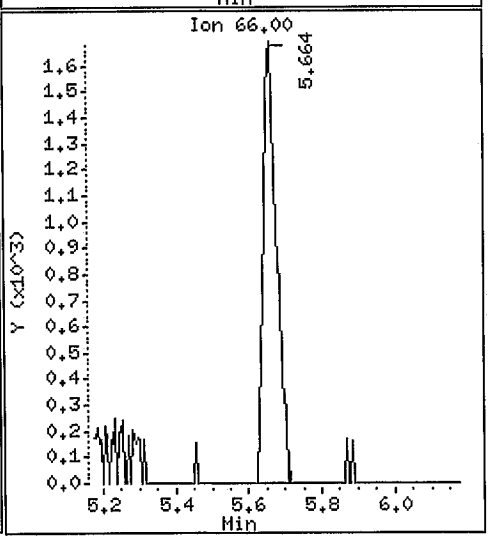












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

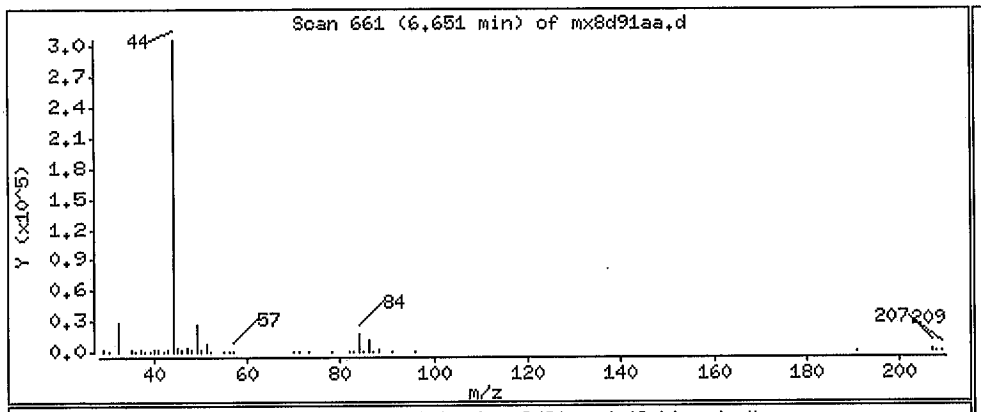
Client ID: 828076-SS-003B1-01 Instrument: mr.i

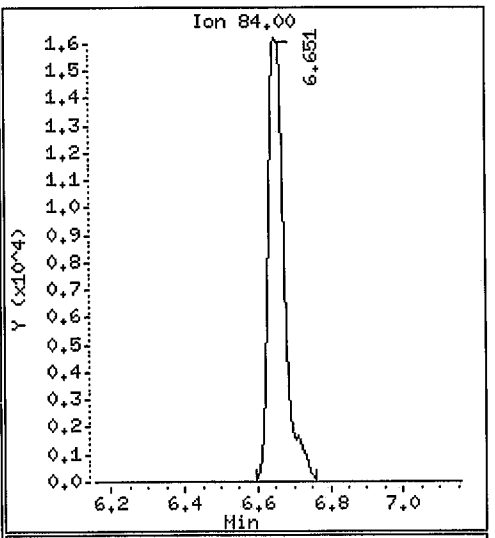
Sample Info: ,2.5,0,,,

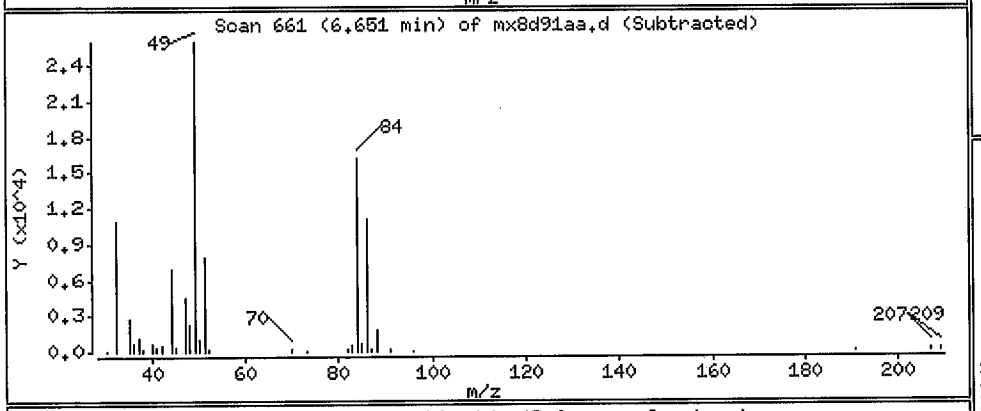
Purge Volume: 500.0 Operator: 403648

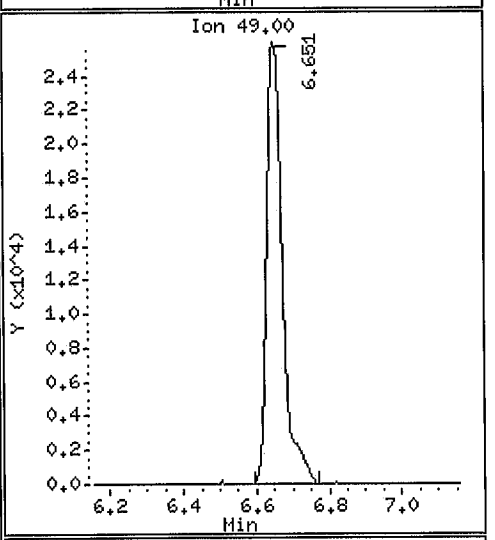
Column phase: Rtx-5 Column diameter: 0.32

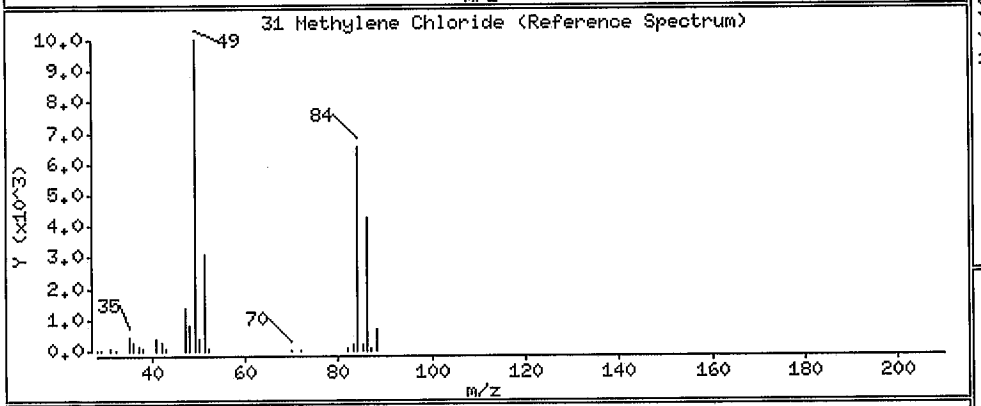
31 Methylene Chloride Concentration: 1.137 ppb(v/v)

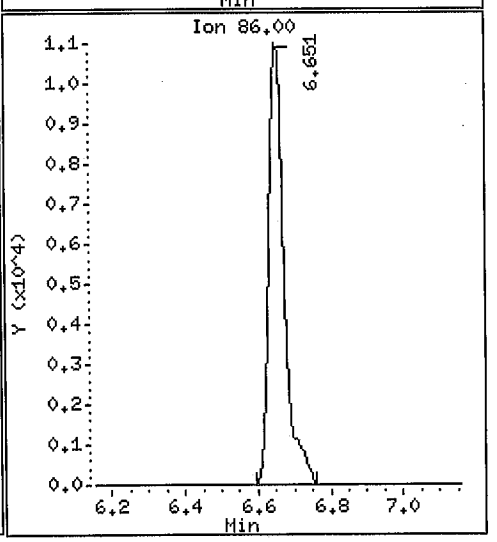


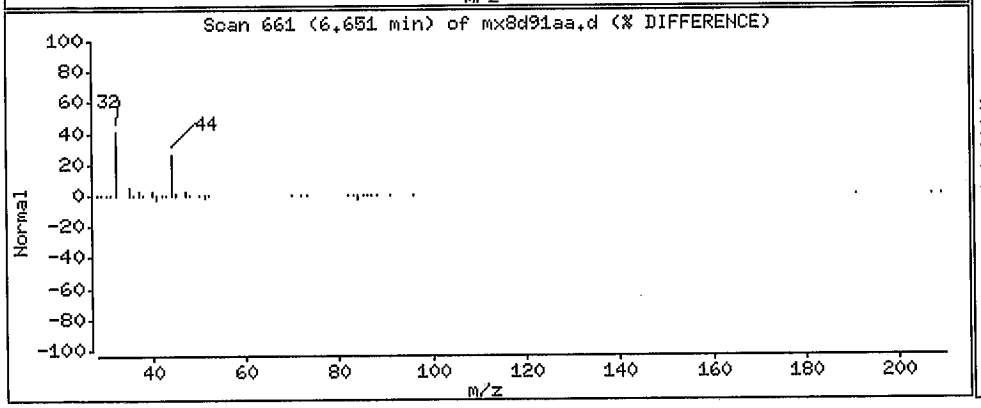












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

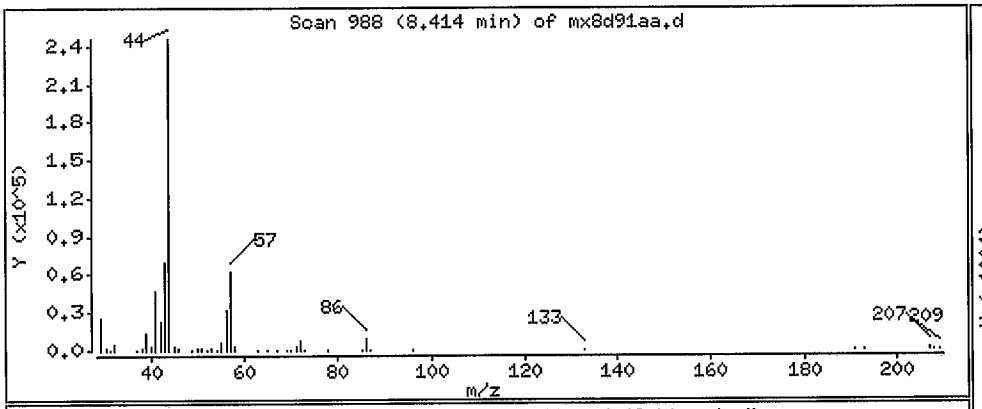
Operator: 403648

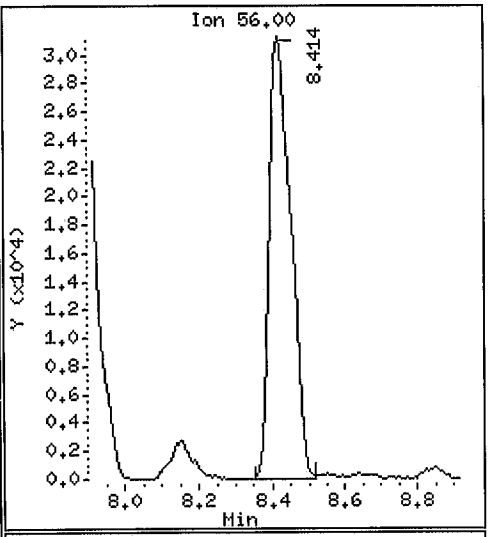
Column phase: Rtx-5

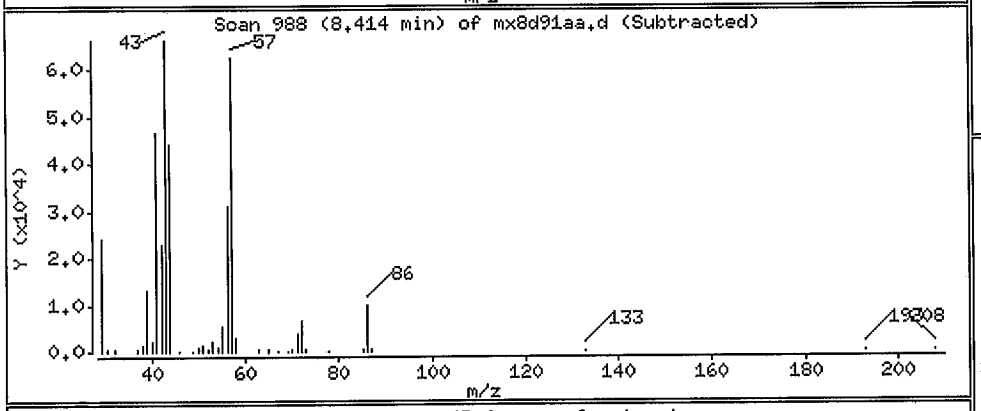
Column diameter: 0.32

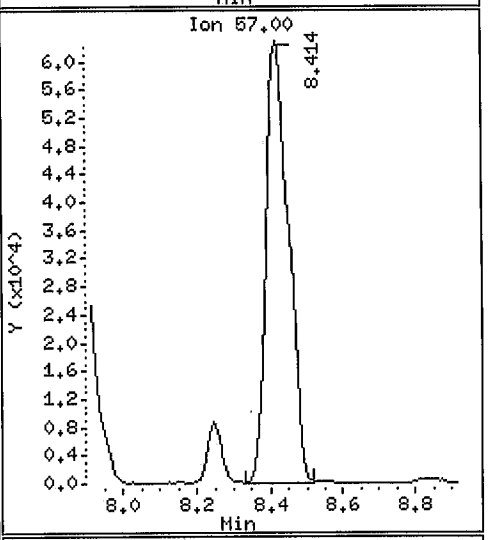
40 Hexane

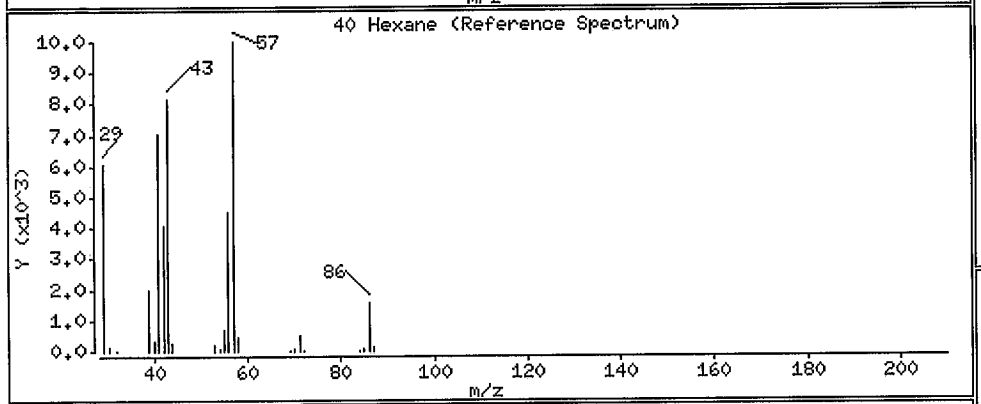
Concentration: 3.093 ppb(v/v)

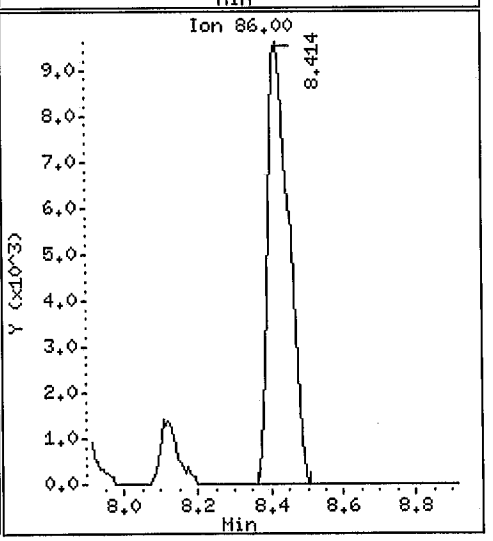


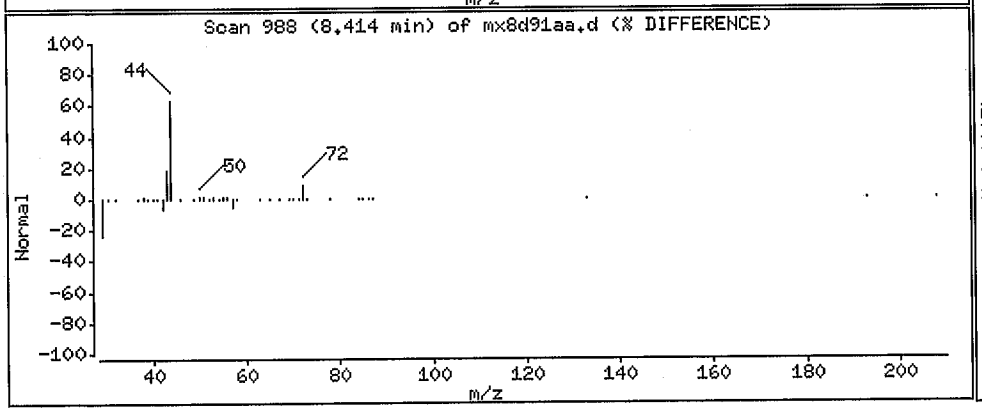












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

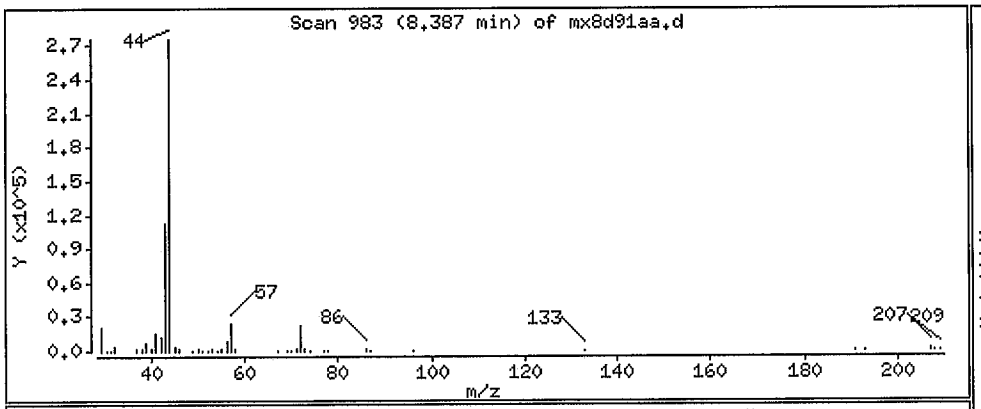
Operator: 403648

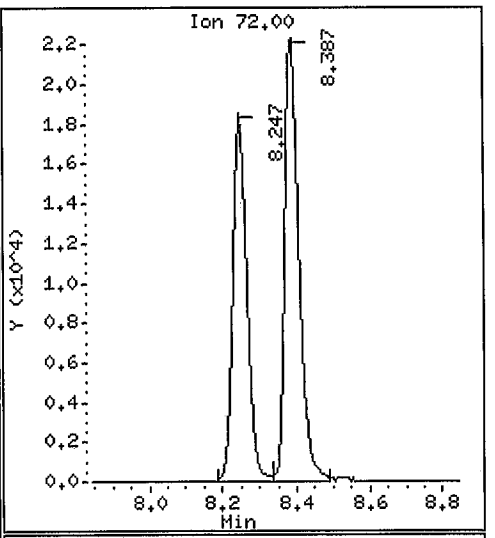
Column phase: Rtx-5

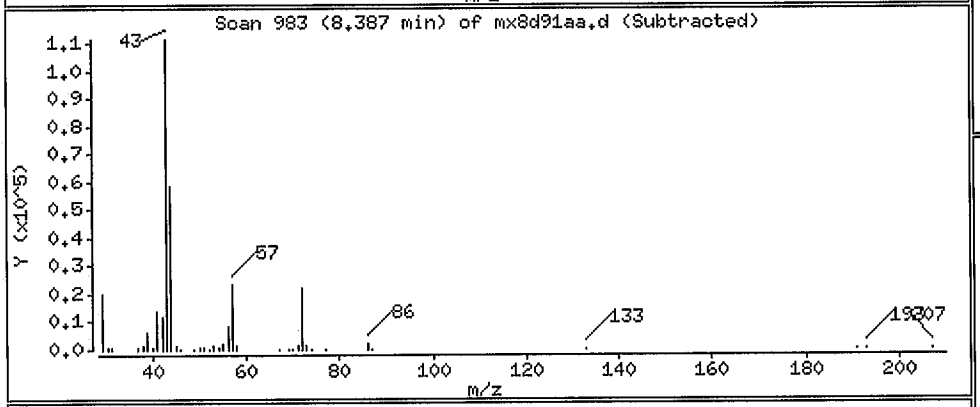
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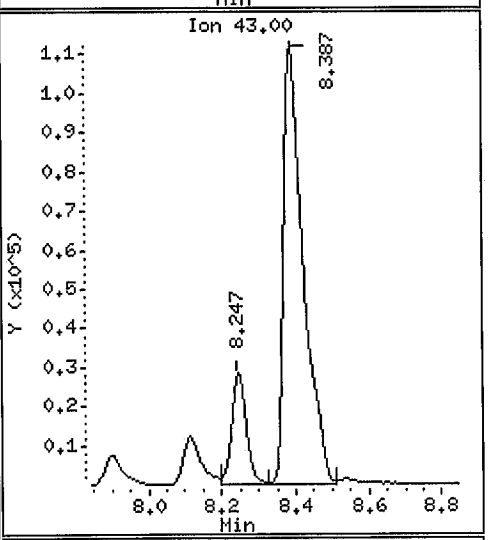
39 2-Butanone

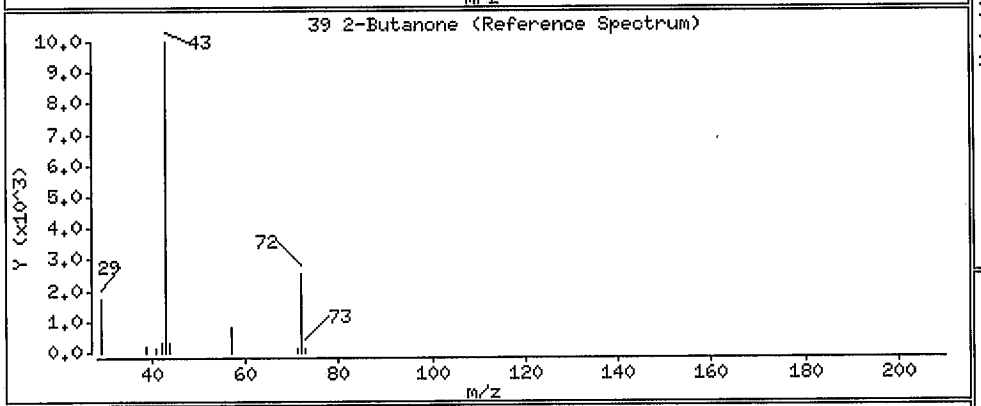
Concentration: 2.683 ppb(v/v)

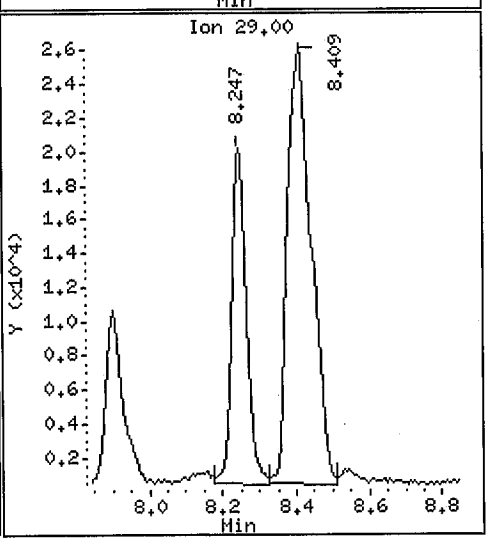


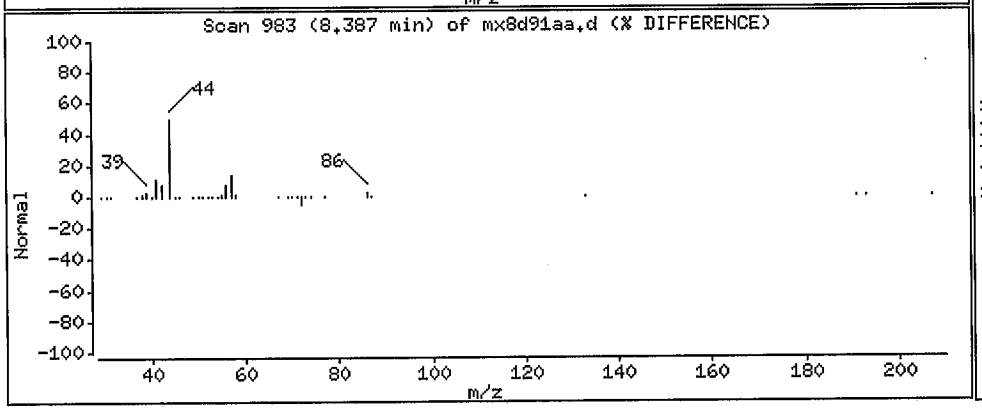












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

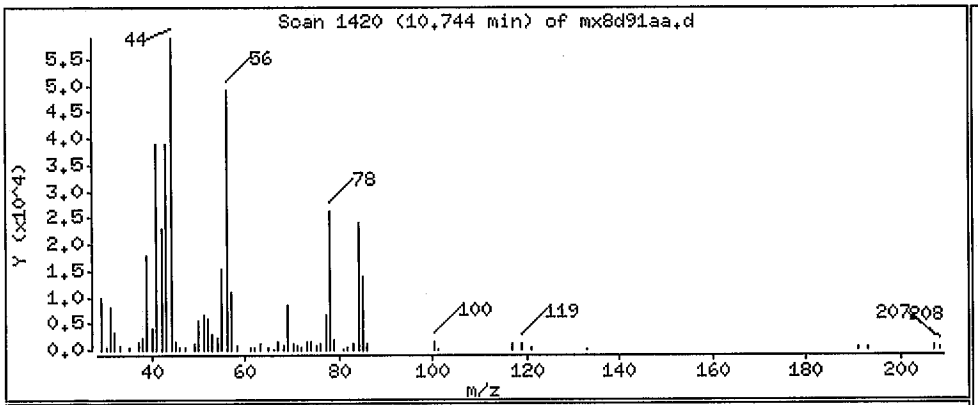
Client ID: 828076-SS-003B1-01 Instrument: mr.i

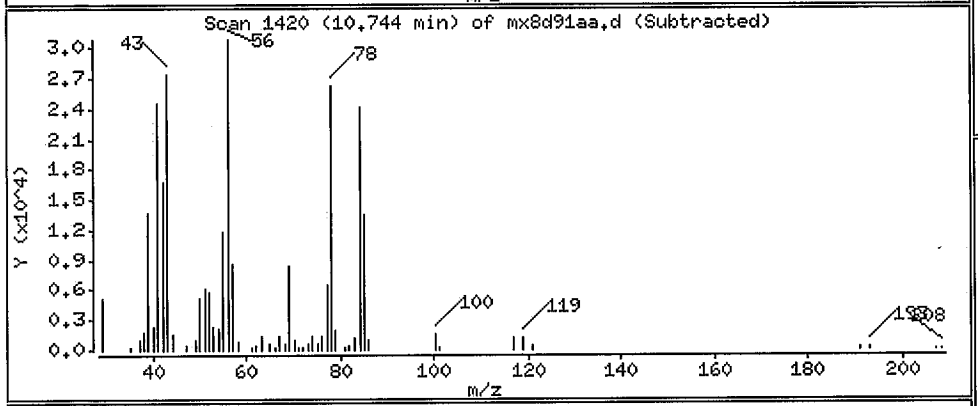
Sample Info: ,2.5,0,,,

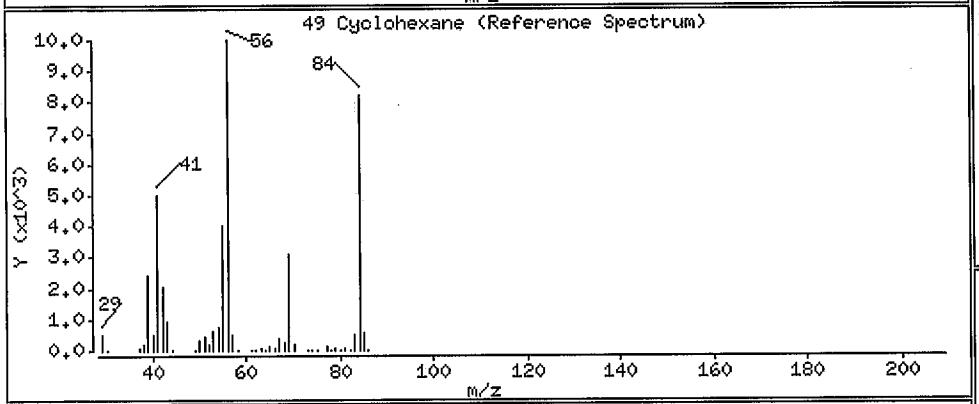
Purge Volume: 500.0 Operator: 403648

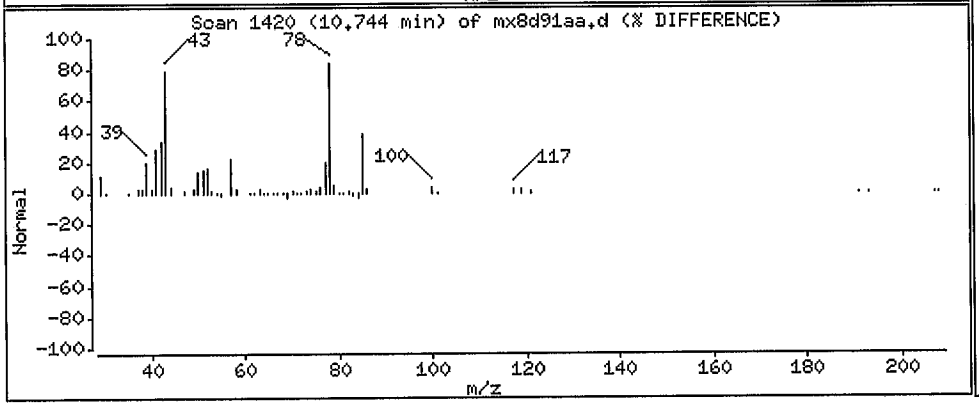
Column phase: Rtx-5 Column diameter: 0.32

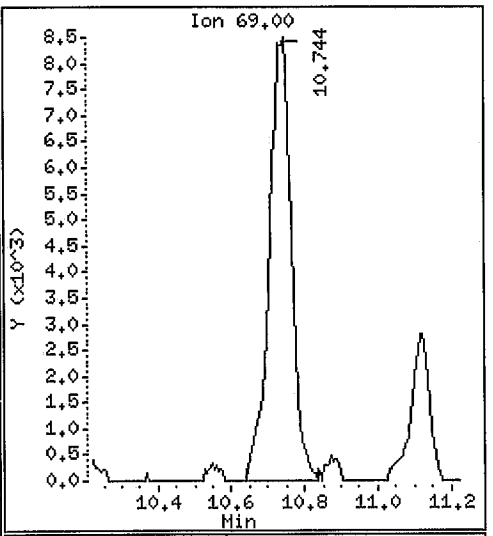
49 Cyclohexane Concentration: 1.485 ppb(v/v)

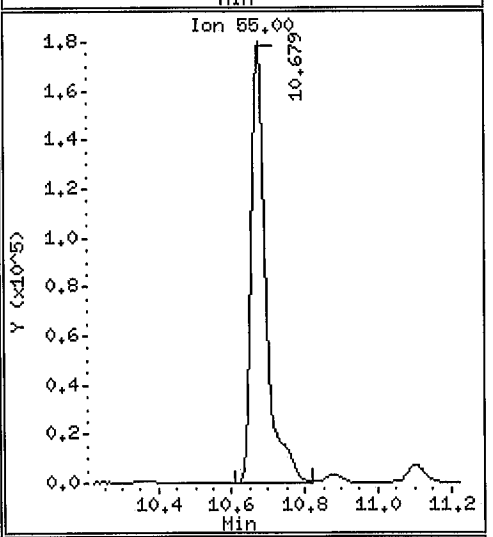


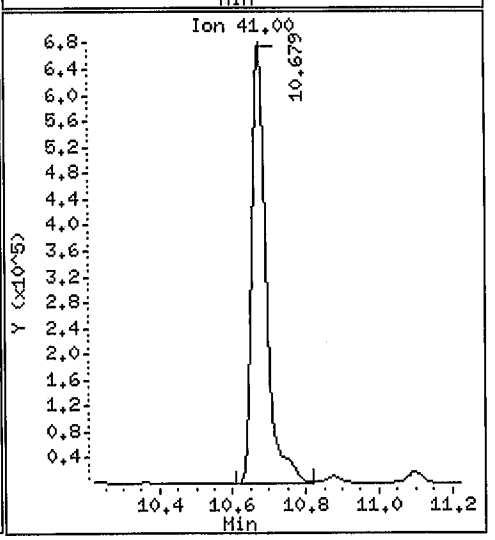












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2,5,0,,,

Purge Volume: 500.0

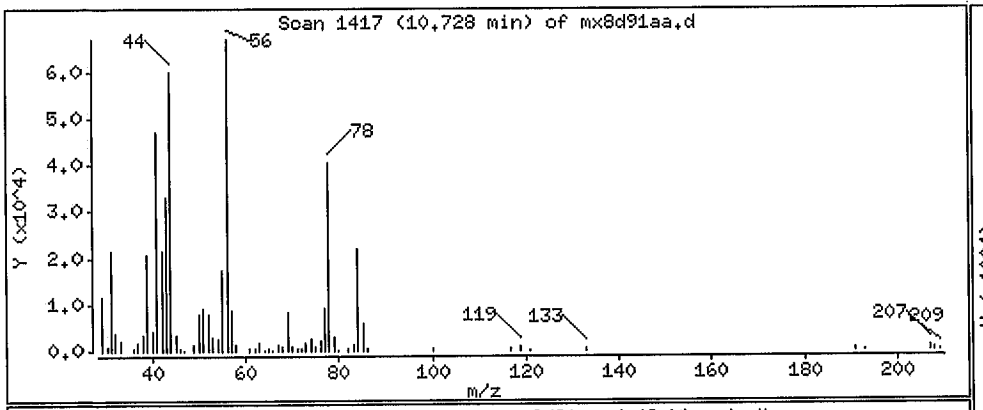
Operator: 403648

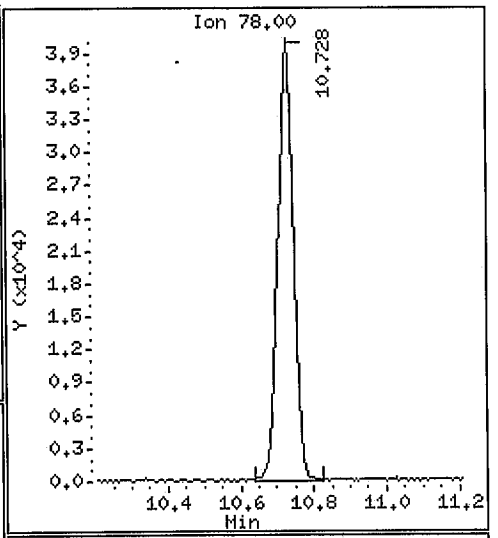
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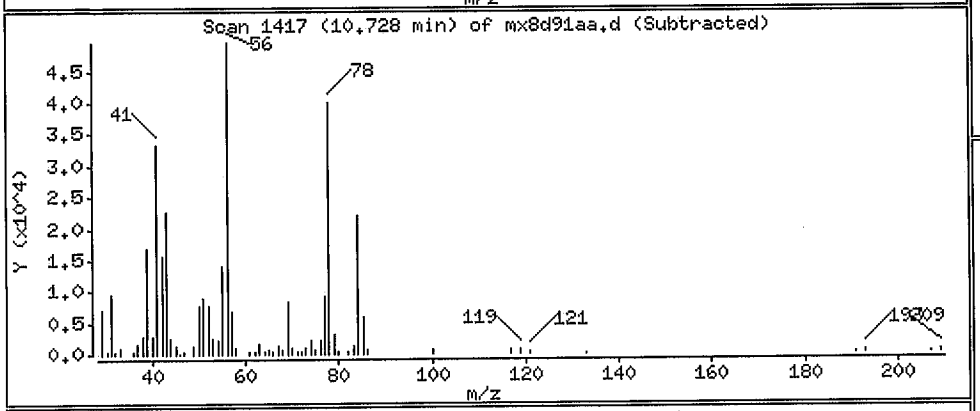
Column diameter: 0.32

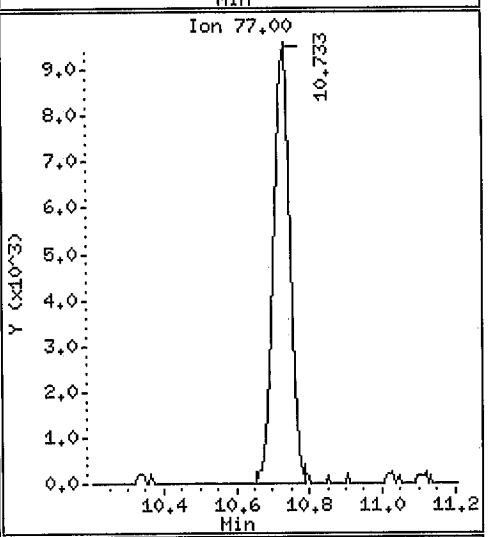
48 Benzene

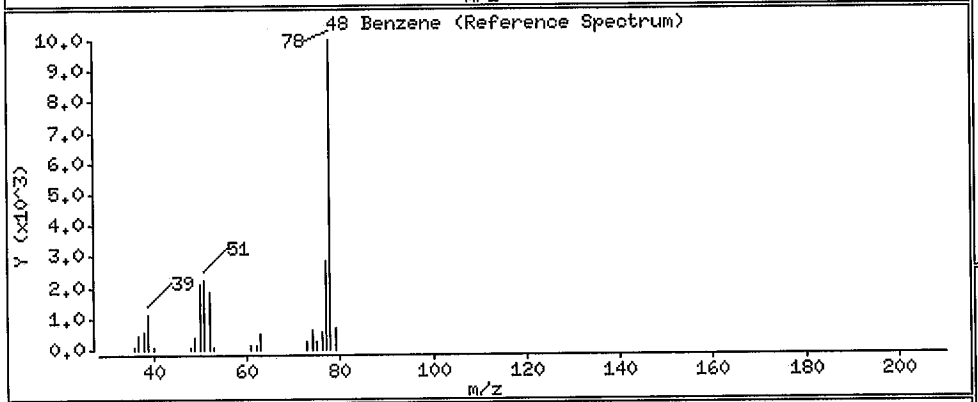
Concentration: 0.7557 ppb(v/v)

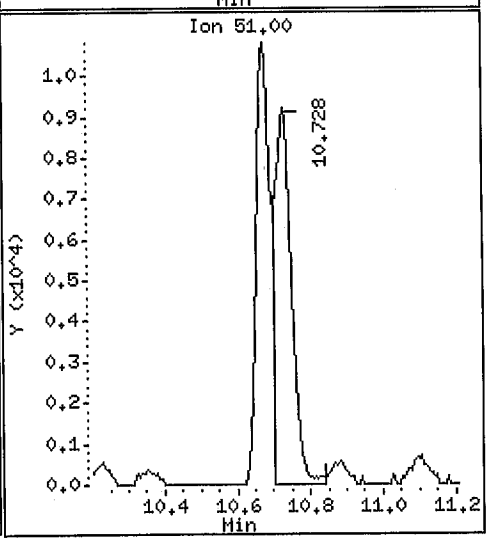


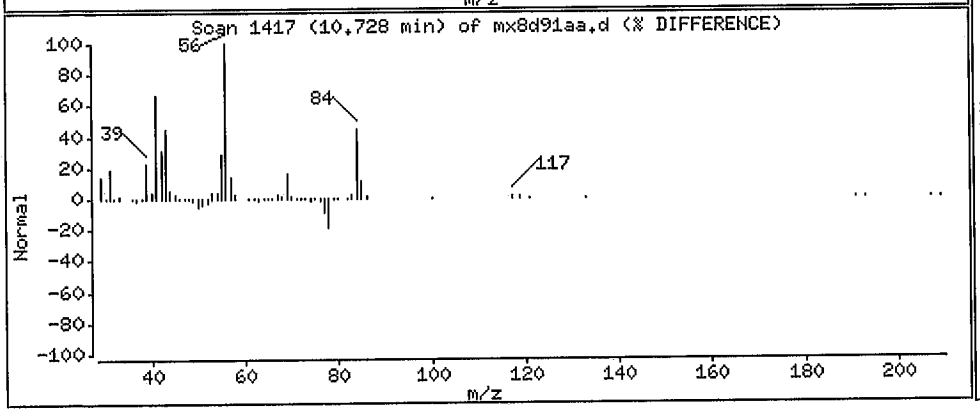












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

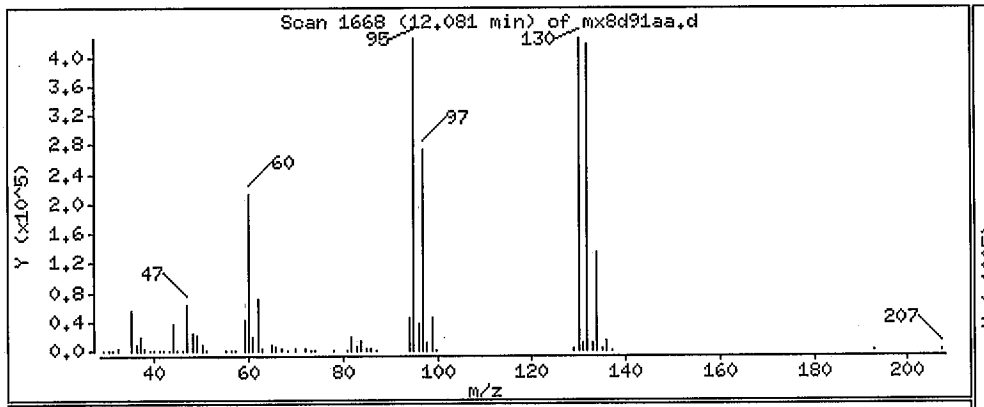
Client ID: 828076-SS-003B1-01 Instrument: mr.i

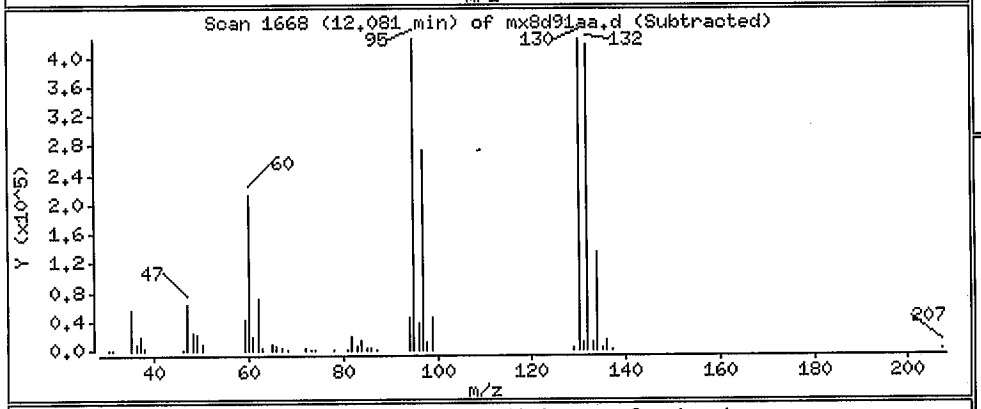
Sample Info: ,2.5,0,,,

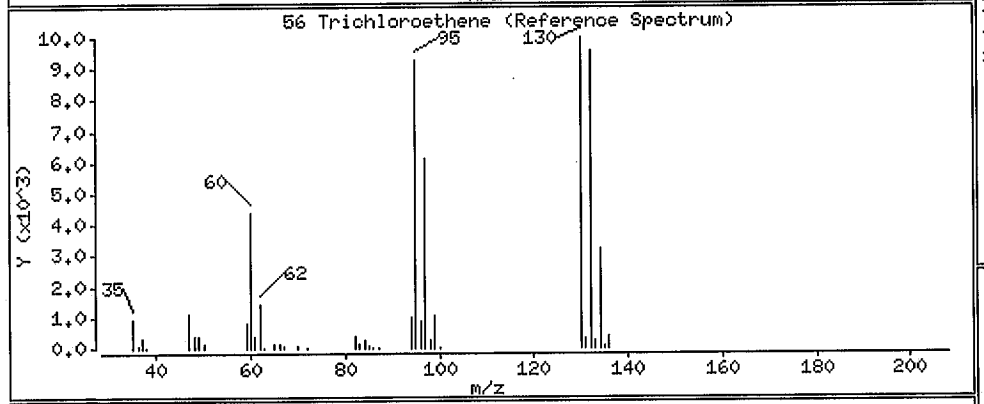
Purge Volume: 500.0 Operator: 403648

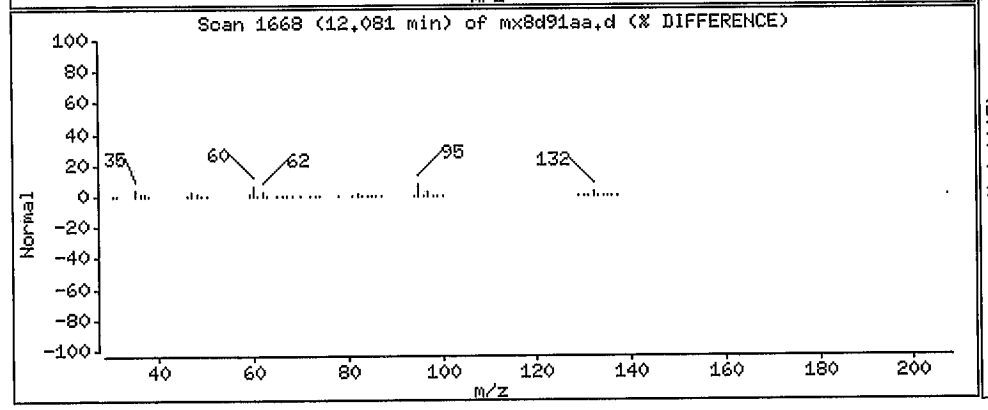
Column phase: Rtx-5 Column diameter: 0.32

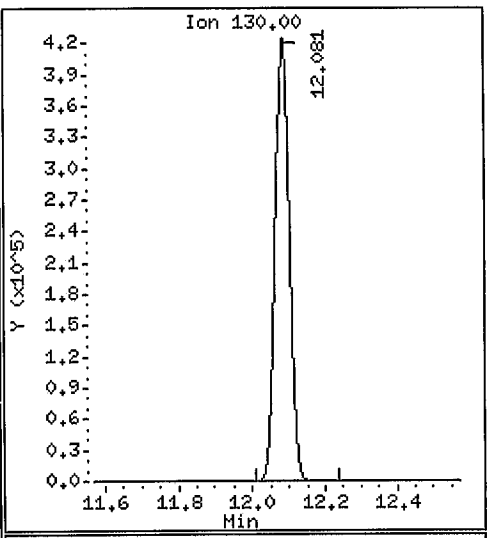
56 Trichloroethene Concentration: 16.06 ppb(v/v)

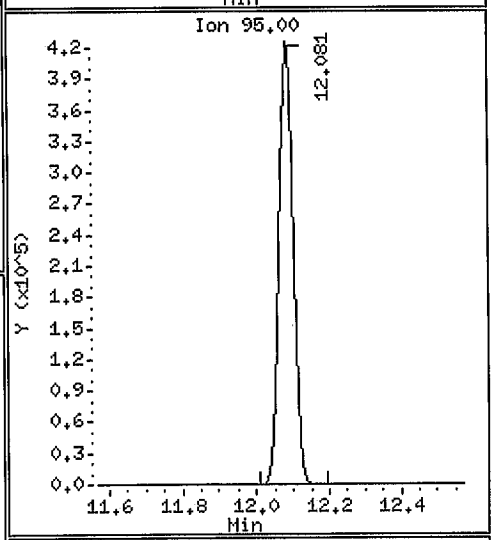


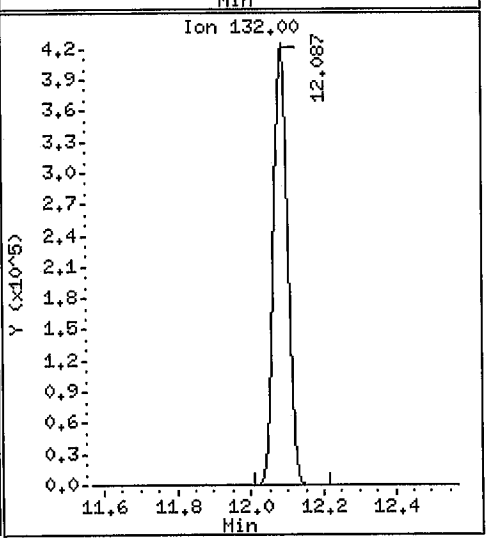












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2,5,0,,,

Purge Volume: 500.0

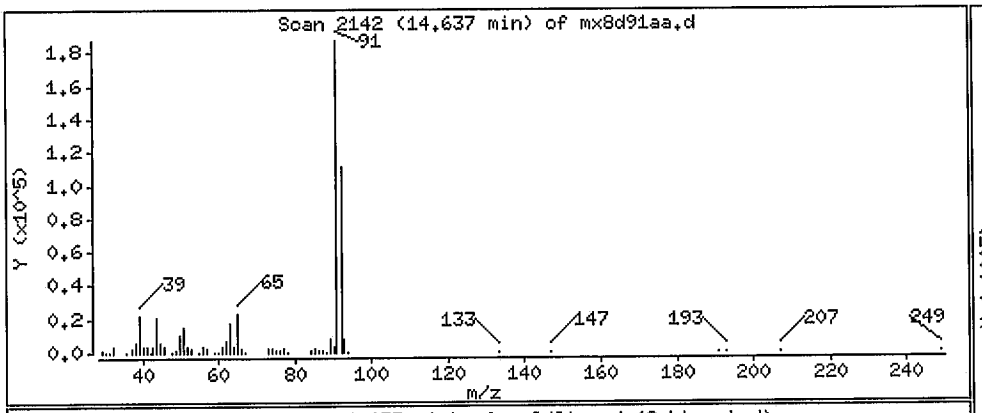
Operator: 403648

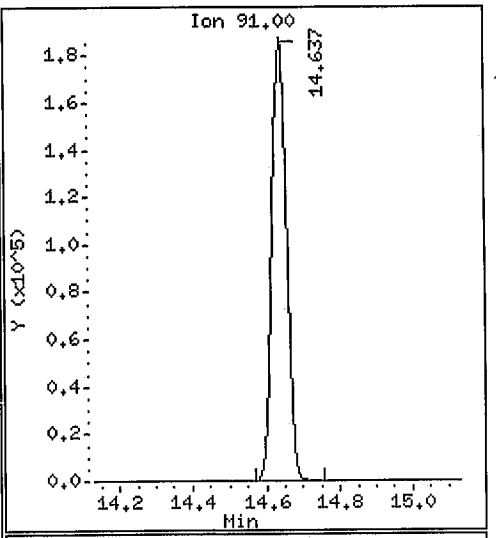
Column phase: Rtx-5

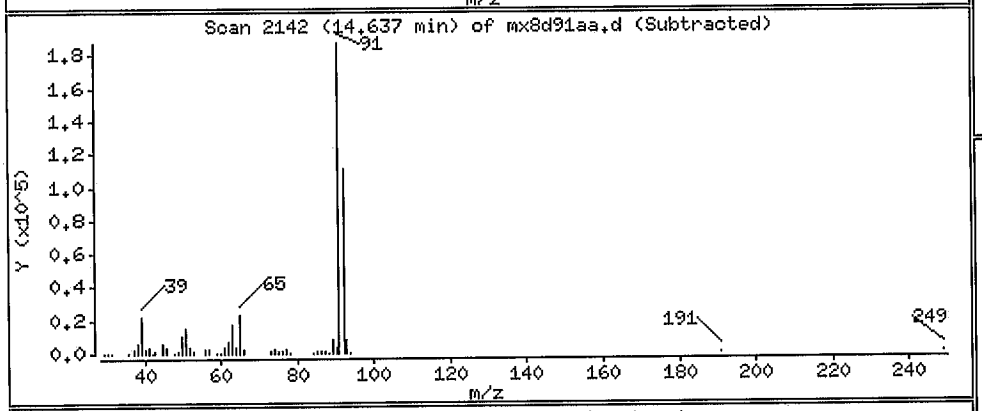
Column diameter: 0.32

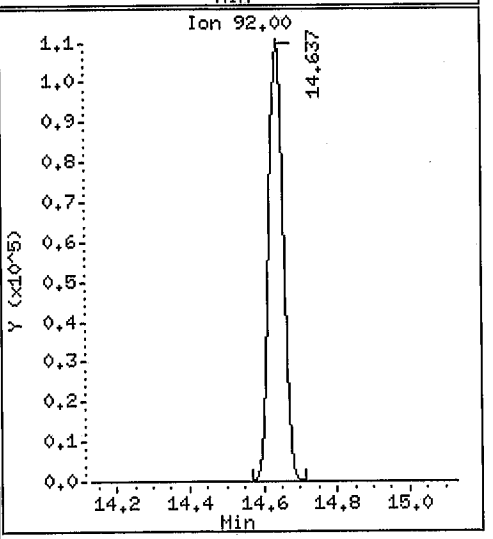
65 Toluene

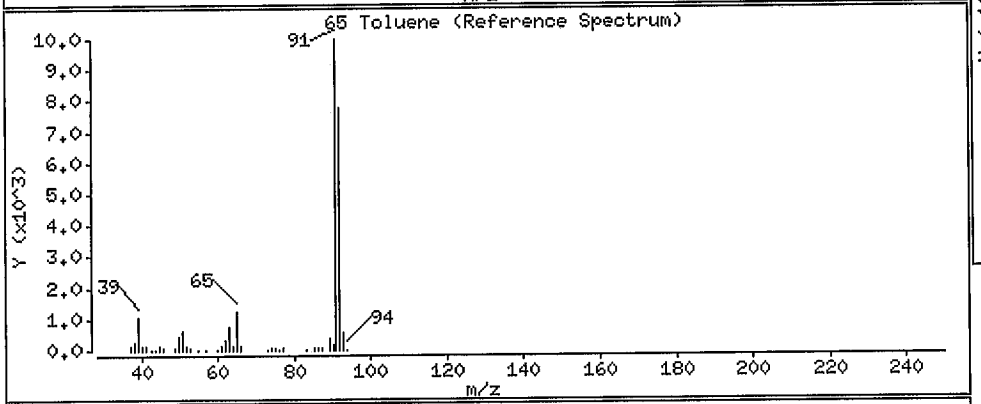
Concentration: 2.475 ppb(v/v)

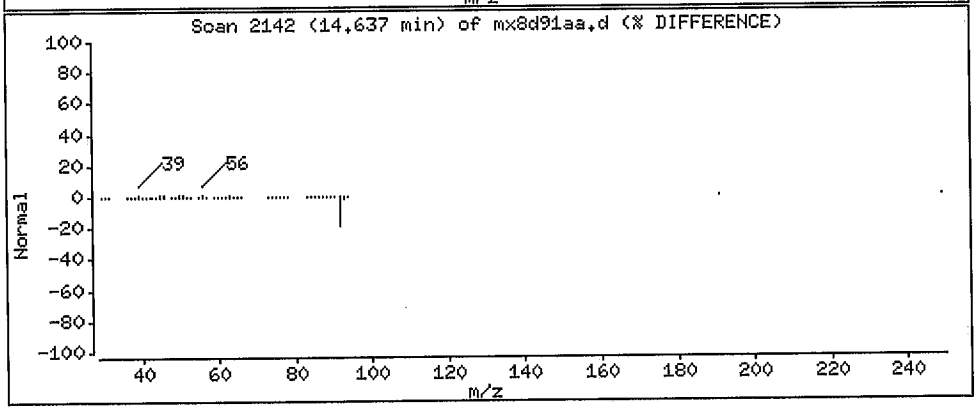












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

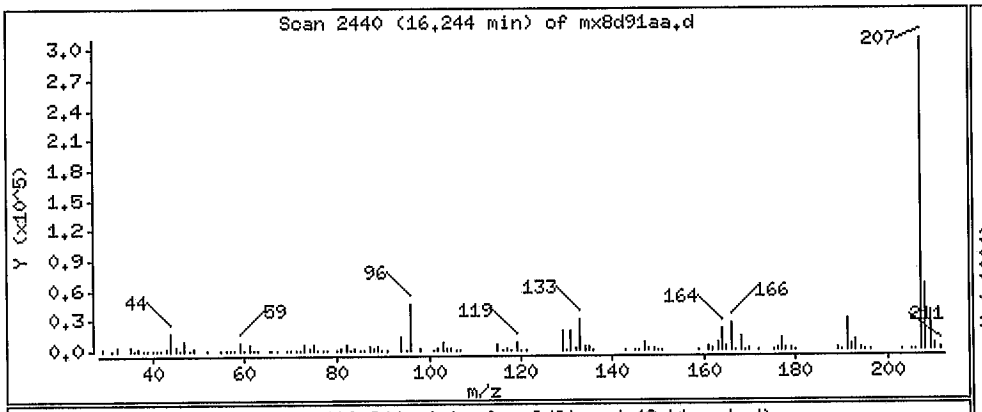
Operator: 403648

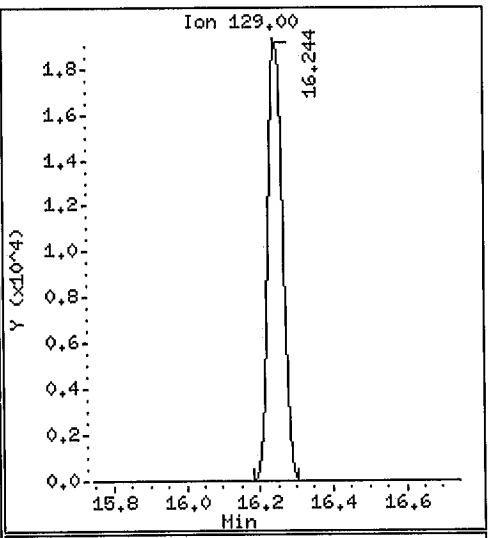
Column phase: Rtx-5

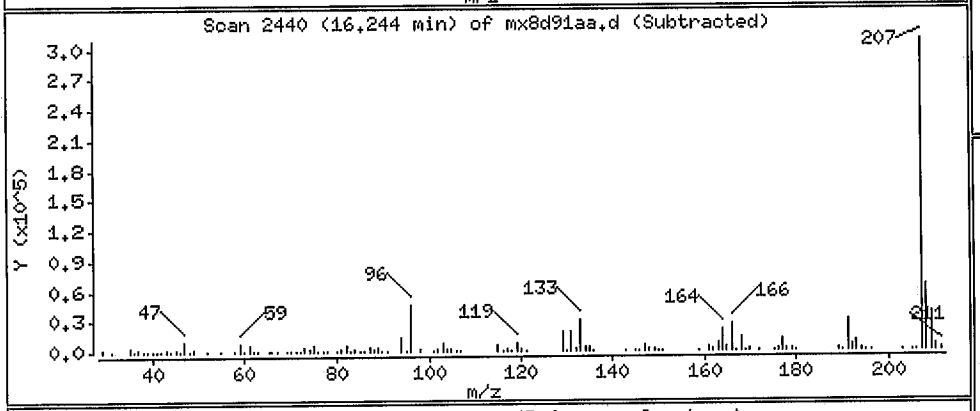
Column diameter: 0.32

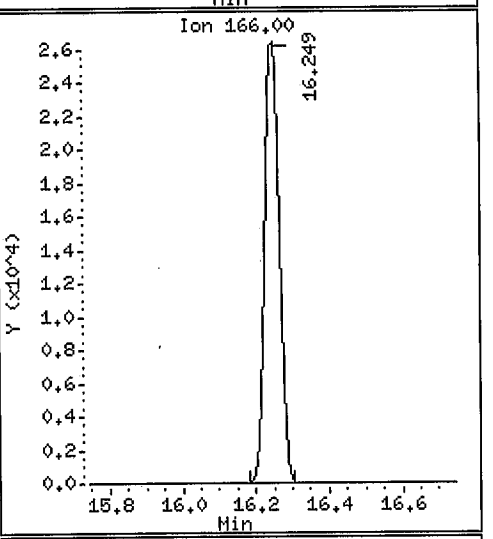
73 Tetrachloroethene

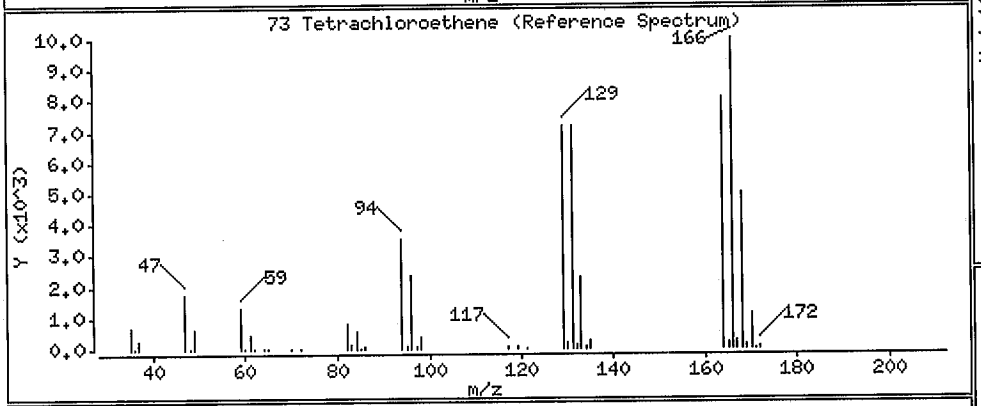
Concentration: 0.7262 ppb(v/v)

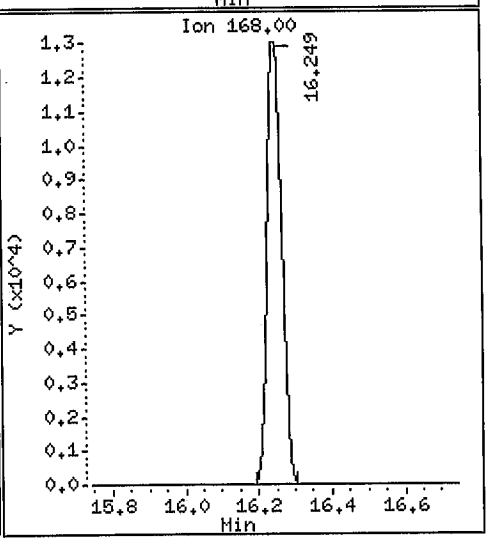


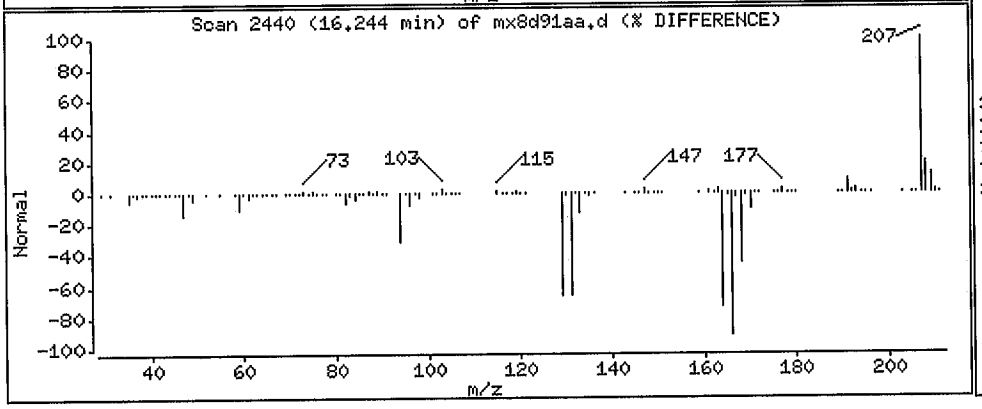












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2,5,0,,,

Purge Volume: 500.0

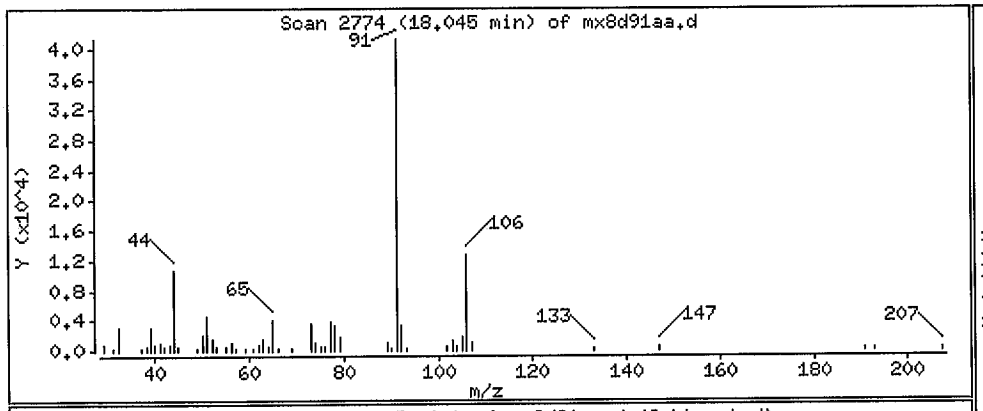
Operator: 403648

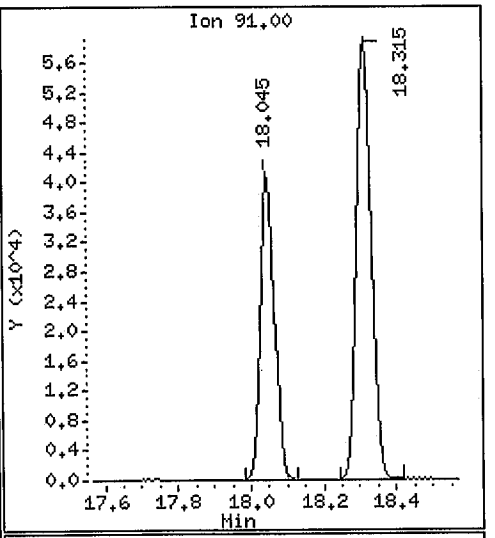
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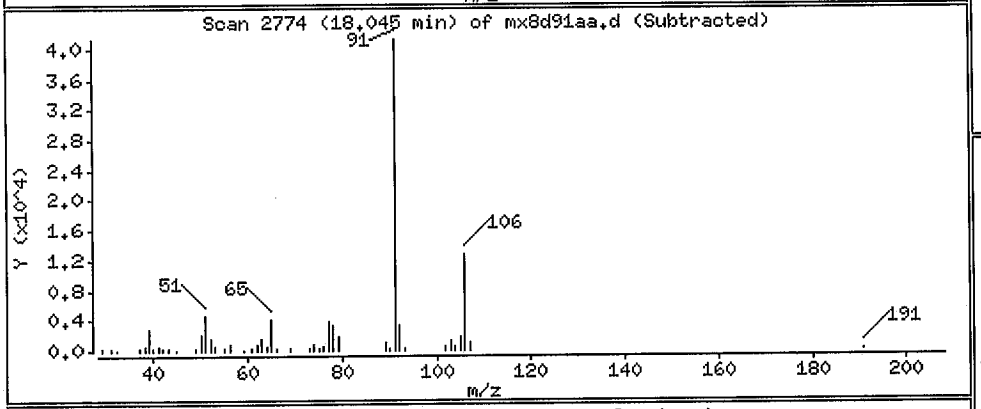
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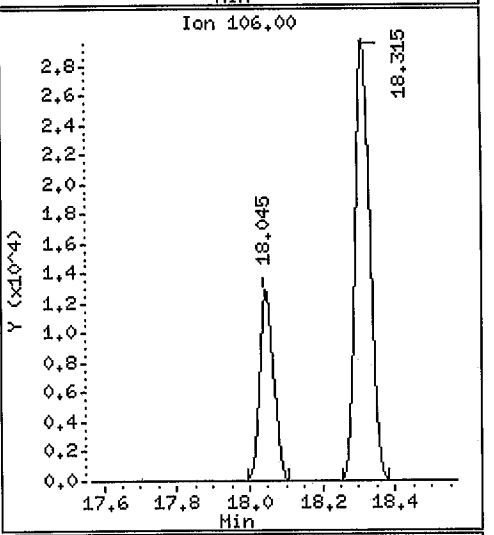
76 Ethylbenzene

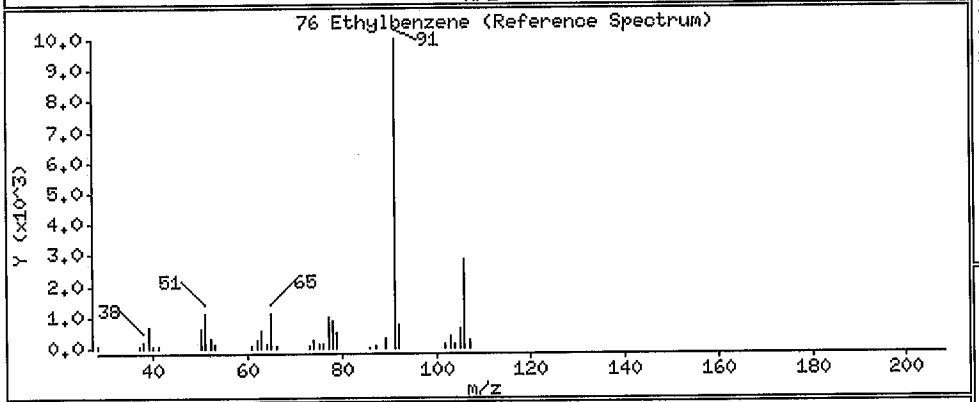
Concentration: 0.4299 ppb(v/v)

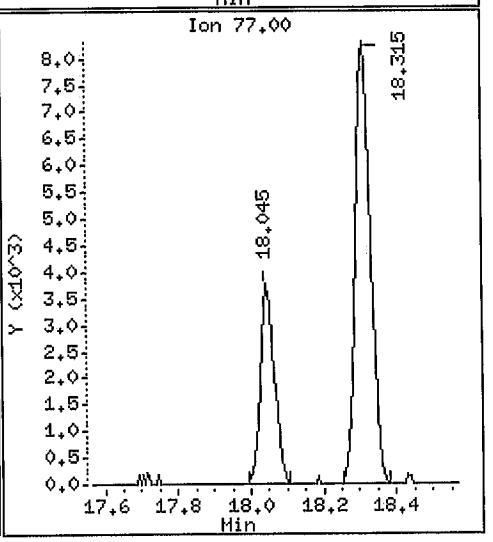


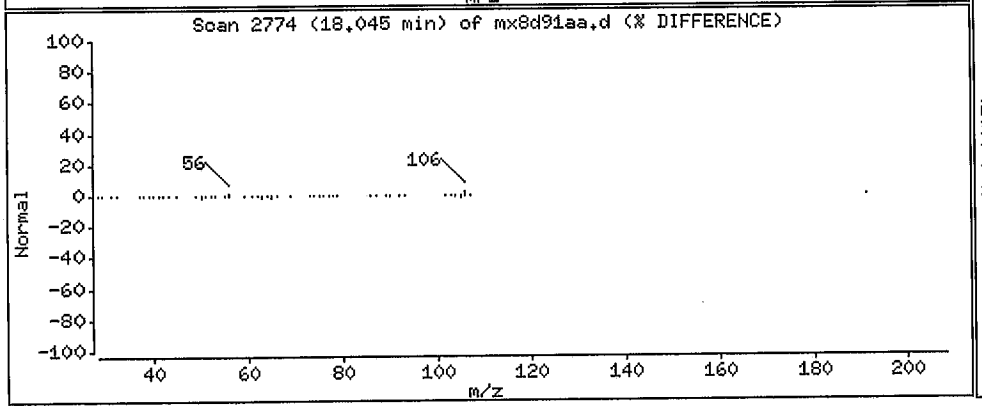












Data File: /var/chem/goms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2,5,0,,,

Purge Volume: 500.0

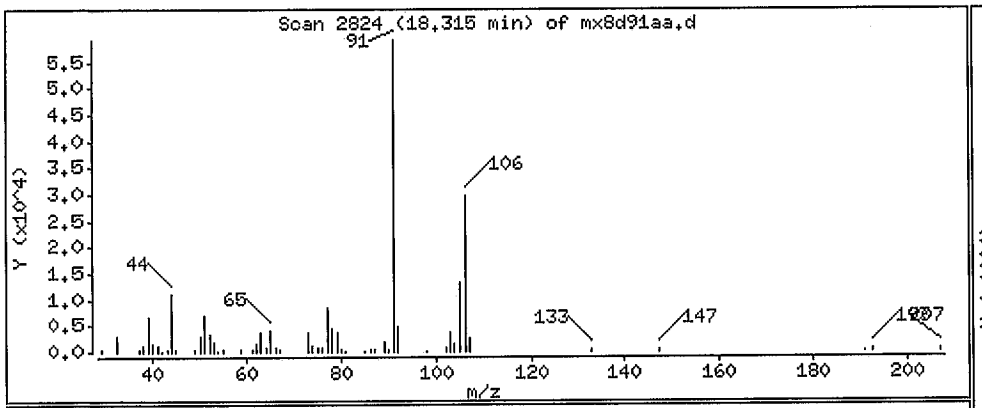
Operator: 403648

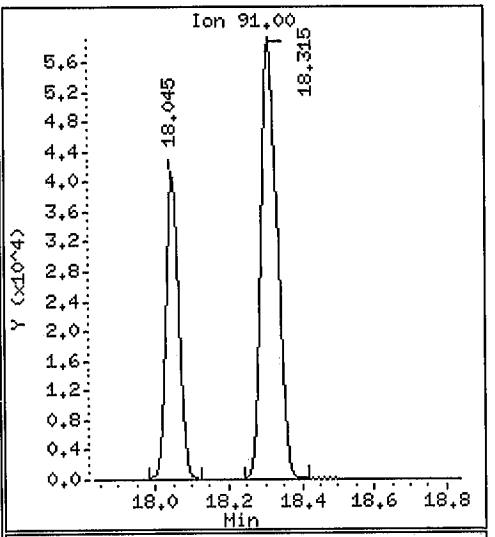
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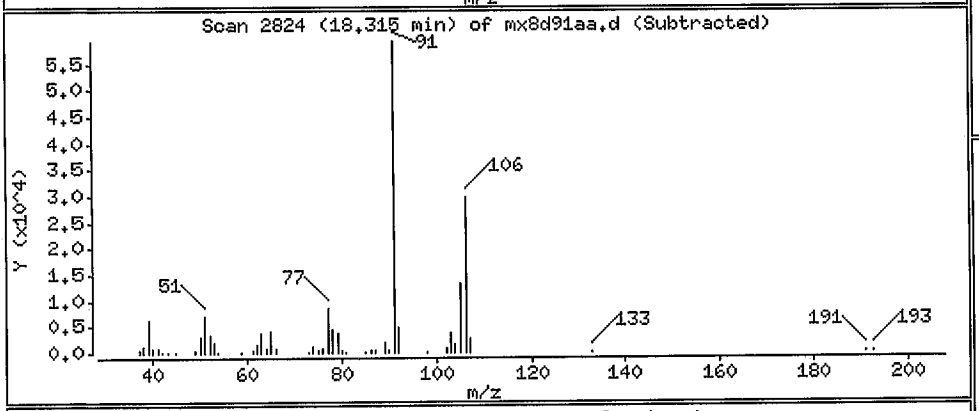
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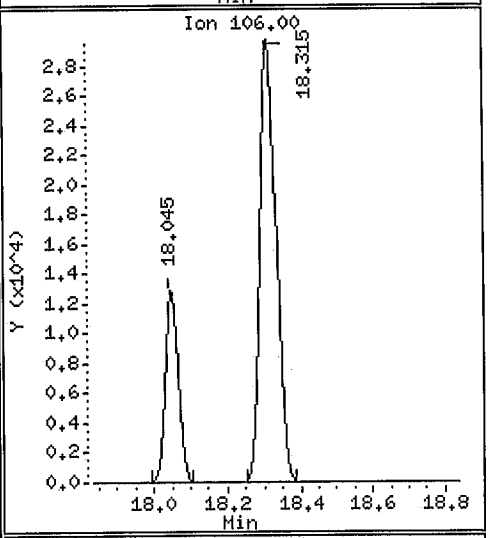
78 m&p-Xylene

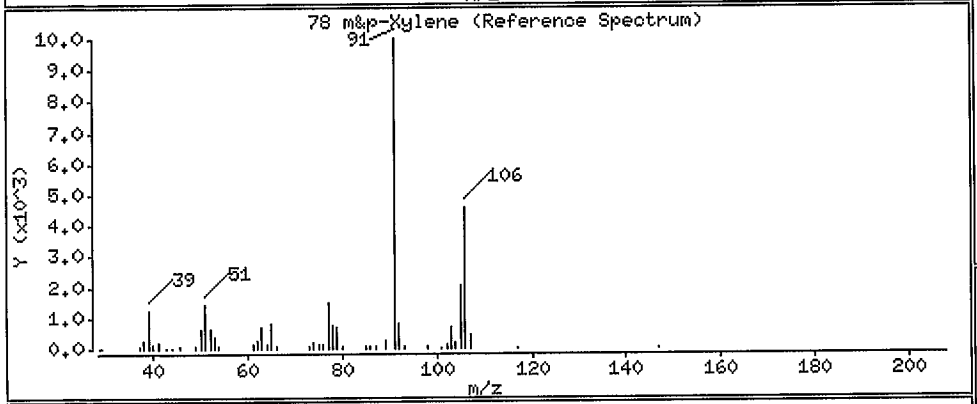
Concentration: 0.9269 ppb(v/v)

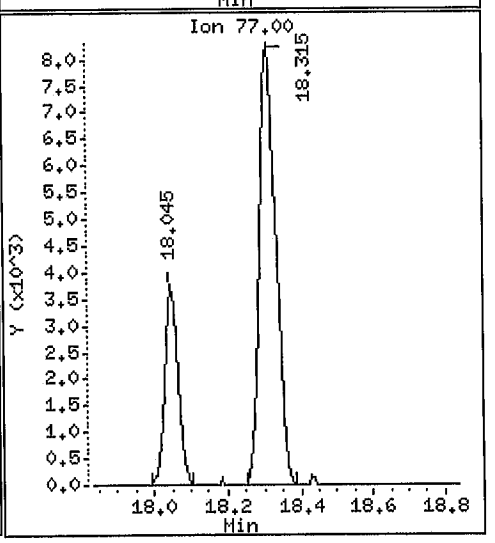


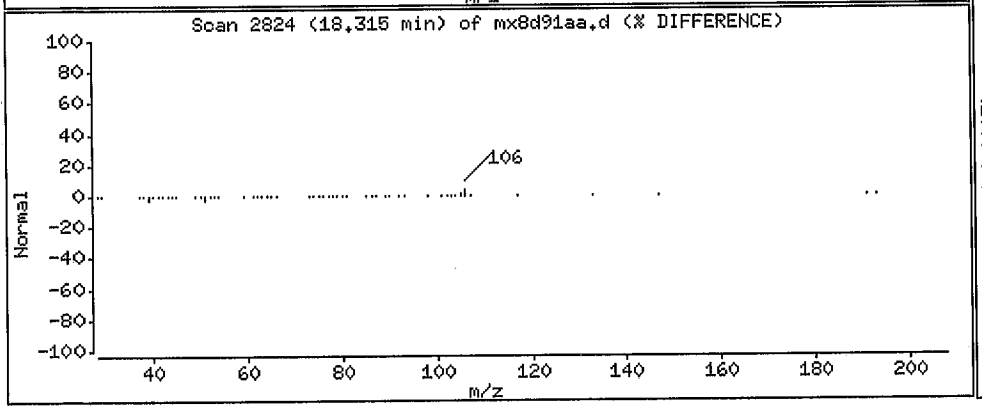












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

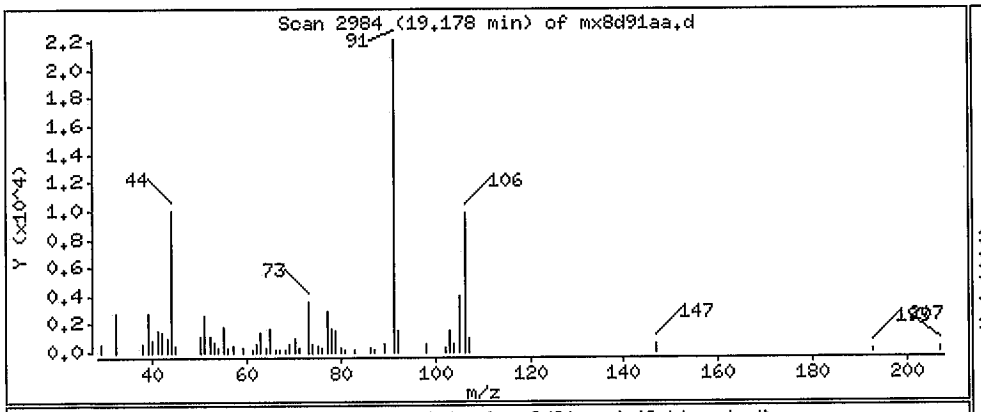
Operator: 403648

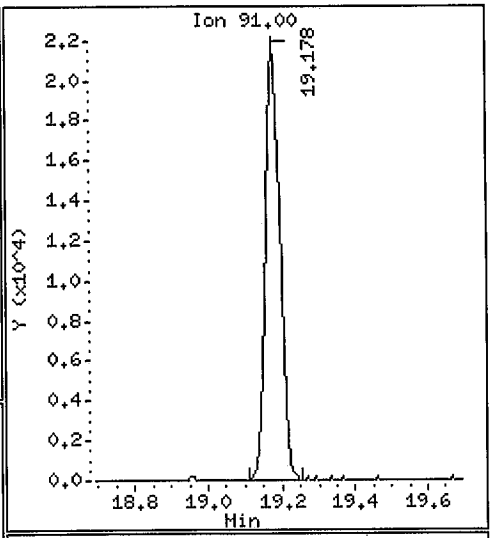
Column phase: Rtx-5

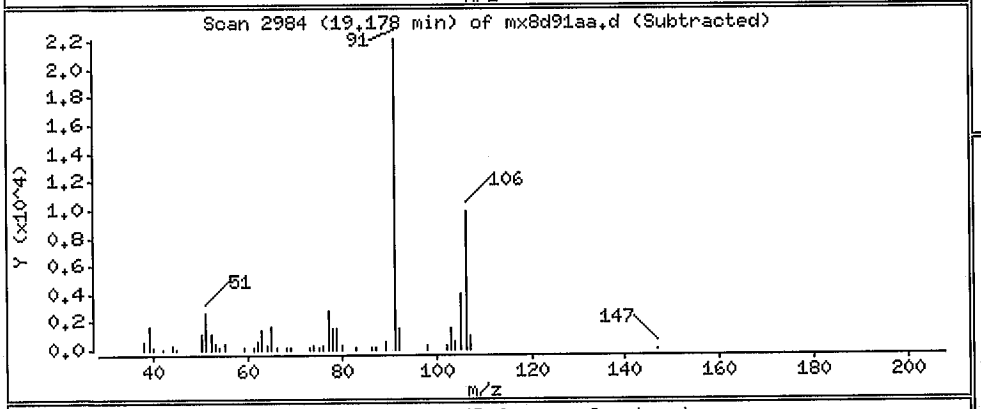
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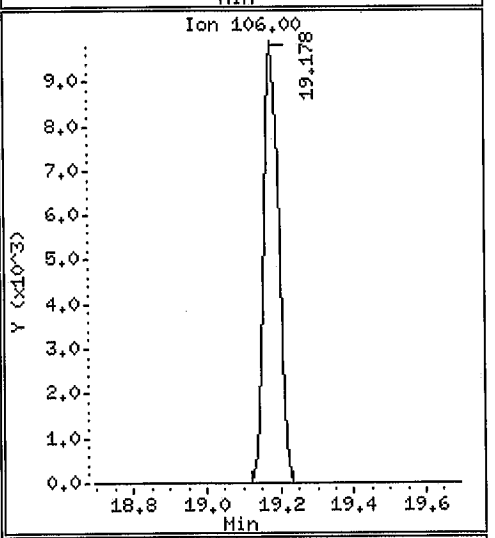
82 o-Xylene

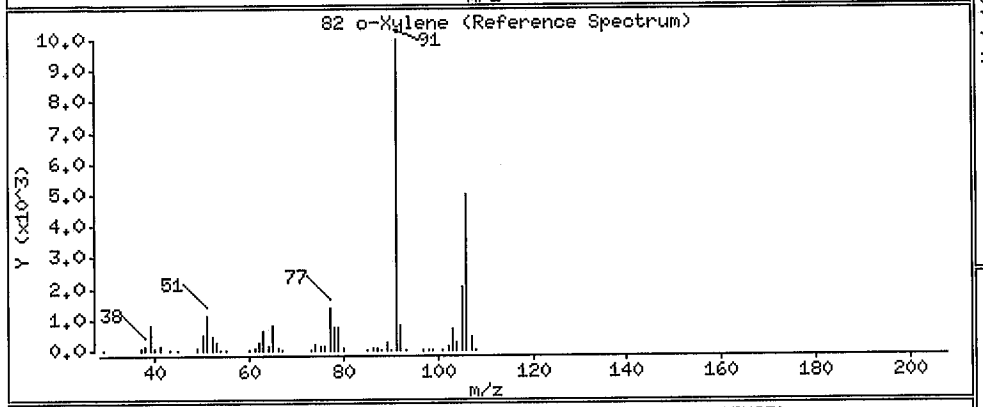
Concentration: 0.2892 ppb(v/v)

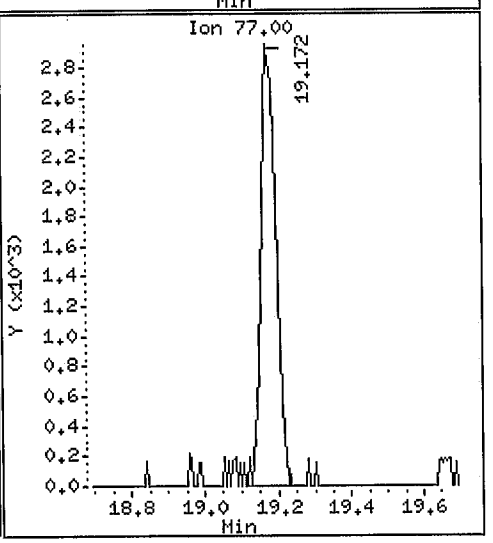


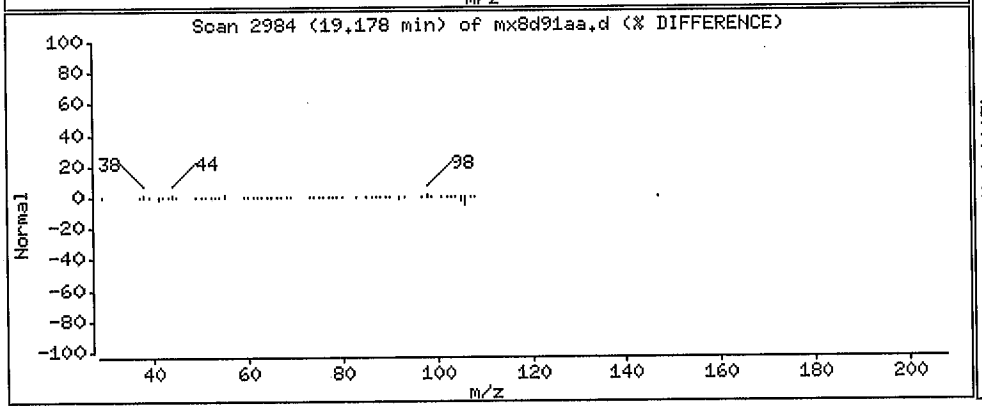












Data File: /var/chem/gcms/mr.i/R022813.b/mx8d91aa.d

Date : 01-MAR-2013 08:34

Client ID: 828076-SS-003B1-01

Instrument: mr.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

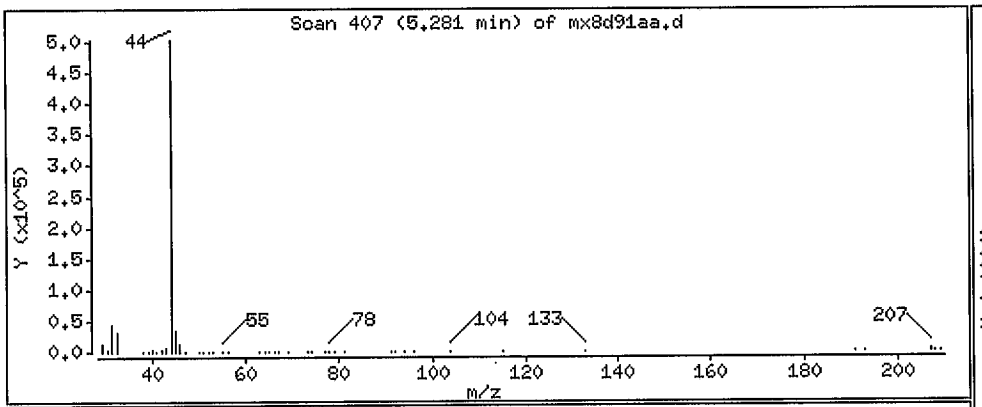
Operator: 403648

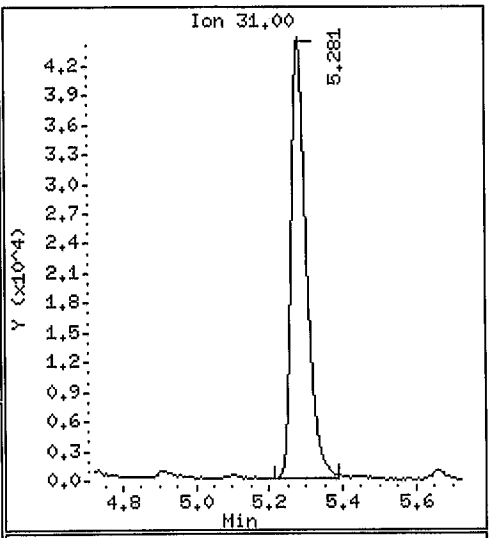
Column phase: Rtx-5

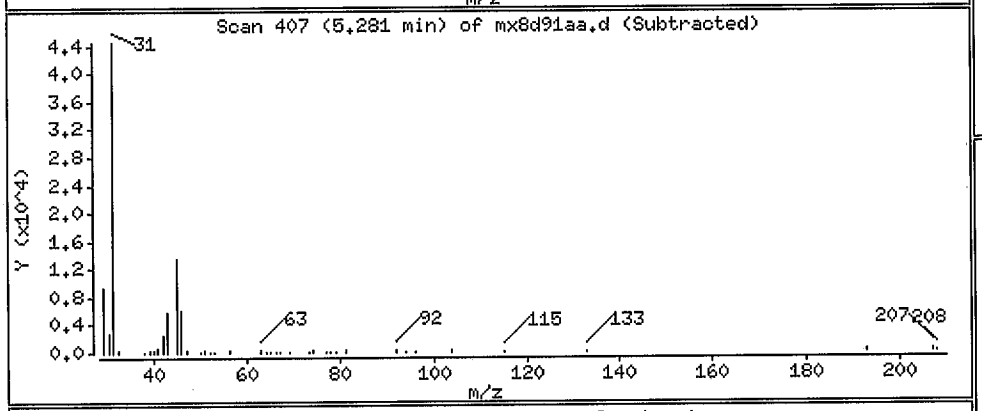
Column diameter: 0.32

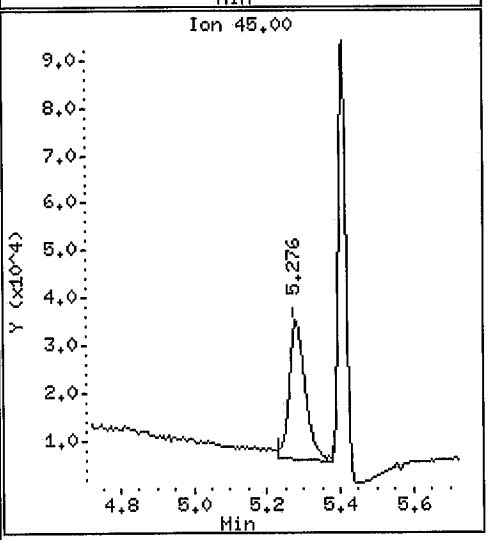
17 ^ ethanol

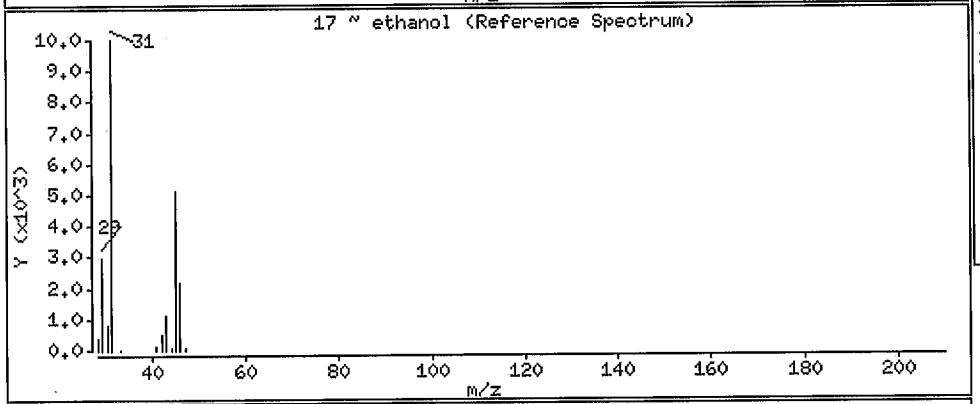
Concentration: 8.473 ppb(v/v)

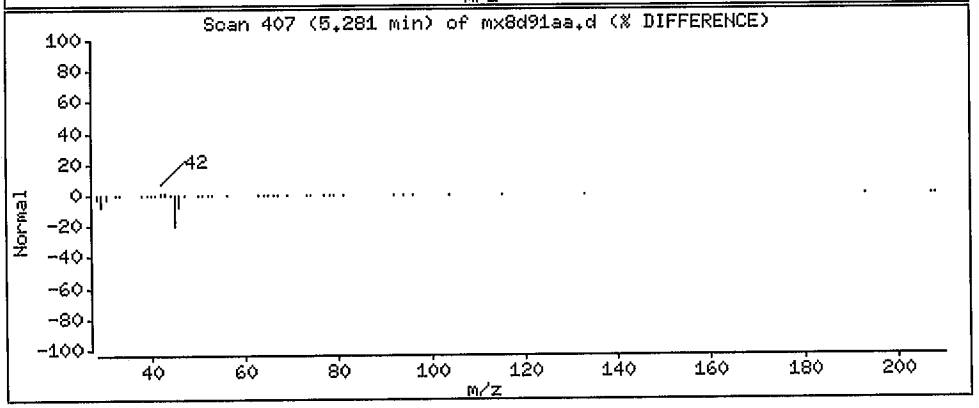












New York State D.E.C.

Client Sample ID: 828076-IA-003B1-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 003 **Work Order #** MX8EA1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 02/28/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.18**	**0.080**	**0.72**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.17**	**0.080**	**0.56**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	**0.094**	**0.080**	**0.63**	**0.54**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.094**	**0.040**	**0.59**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.1**	**0.080**	**5.1**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.64**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.34**	**0.080**	**1.7**	**0.40**
Ethanol	**25**	**0.80**	**48**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.22**	**0.20**	**0.77**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B1-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 003 **Work Order #** MX8EA1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	**0.20**	**0.20**	**0.84**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.41**	**0.080**	**1.5**	**0.30**
m-Xylene & p-Xylene	**0.20**	**0.080**	**0.87**	**0.35**
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.27**	**0.040**	**1.5**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	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/mr.i/R022813.b/mx8ea1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d
Lab Smp Id: MX8EA1AA Client Smp ID: 828076-IA-003B1-02
Inj Date : 28-FEB-2013 23:01
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

8/05-13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))	
* 1 Bromochloromethane	128	9.094	9.088	(1.000)	327849	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.273	11.272	(1.000)	1637850	4.00000	4.000	
* 3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1261137	4.00000	4.000	
$ 4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	940426	4.25922	4.259	
7 Dichlorodifluoromethane	85	4.235	4.241	(0.466)	116434	0.34082	0.3408	
8 Chloromethane	52	4.413	4.419	(0.485)	26627	0.63762	0.6376	
20 Trichlorofluoromethane	101	5.670	5.675	(0.623)	71575	0.21564	0.2156	
33 Carbon Disulfide	76	6.829	6.824	(0.751)	8908	0.02362	0.02362	NA
40 Hexane	56	8.425	8.414	(0.926)	24685	0.21914	0.2191	
39 2-Butanone	72	8.361	8.344	(0.919)	19363	0.29416	0.2942	
43 Chloroform	83	9.116	9.105	(1.002)	276985	1.05395	1.054	
44 Tetrahydrofuran	42	9.488	9.498	(1.043)	12208	0.08236	0.08236	NA
46 1,2-Dichloroethane	62	10.199	10.194	(0.905)	31788	0.17726	0.1772	
48 Benzene	78	10.706	10.706	(0.950)	72424	0.17469	0.1747	
50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	20200	0.09432	0.09432	
54 Heptane	71	11.968	11.968	(1.062)	29386	0.20200	0.2020	NA

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d
Report Date: 01-Mar-2013 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
56 Trichloroethene	130	12.071	12.070	(1.071)	49832	0.27021	0.2702
58 Bromodichloromethane	83	12.319	12.318	(1.093)	24671	0.09362	0.09362
62 4-Methyl-2-pentanone	43	13.483	13.478	(1.196)	59786	0.20428	0.2043
65 Toluene	91	14.632	14.632	(0.837)	213479	0.40798	0.4080
78 m&p-Xylene	91	18.310	18.336	(1.048)	101364	0.19983	0.1998
17 ~ ethanol	31	5.233	5.222	(0.575)	1141670	25.3907	25.39

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8ea1aa.d
Lab Smp Id: MX8EA1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B1-02
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	327849	-25.04
2 1,4-Difluorobenze	2178721	1296339	3061103	1637850	-24.83
3 Chlorobenzene-d5	1632809	971521	2294097	1261137	-22.76

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8ea1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

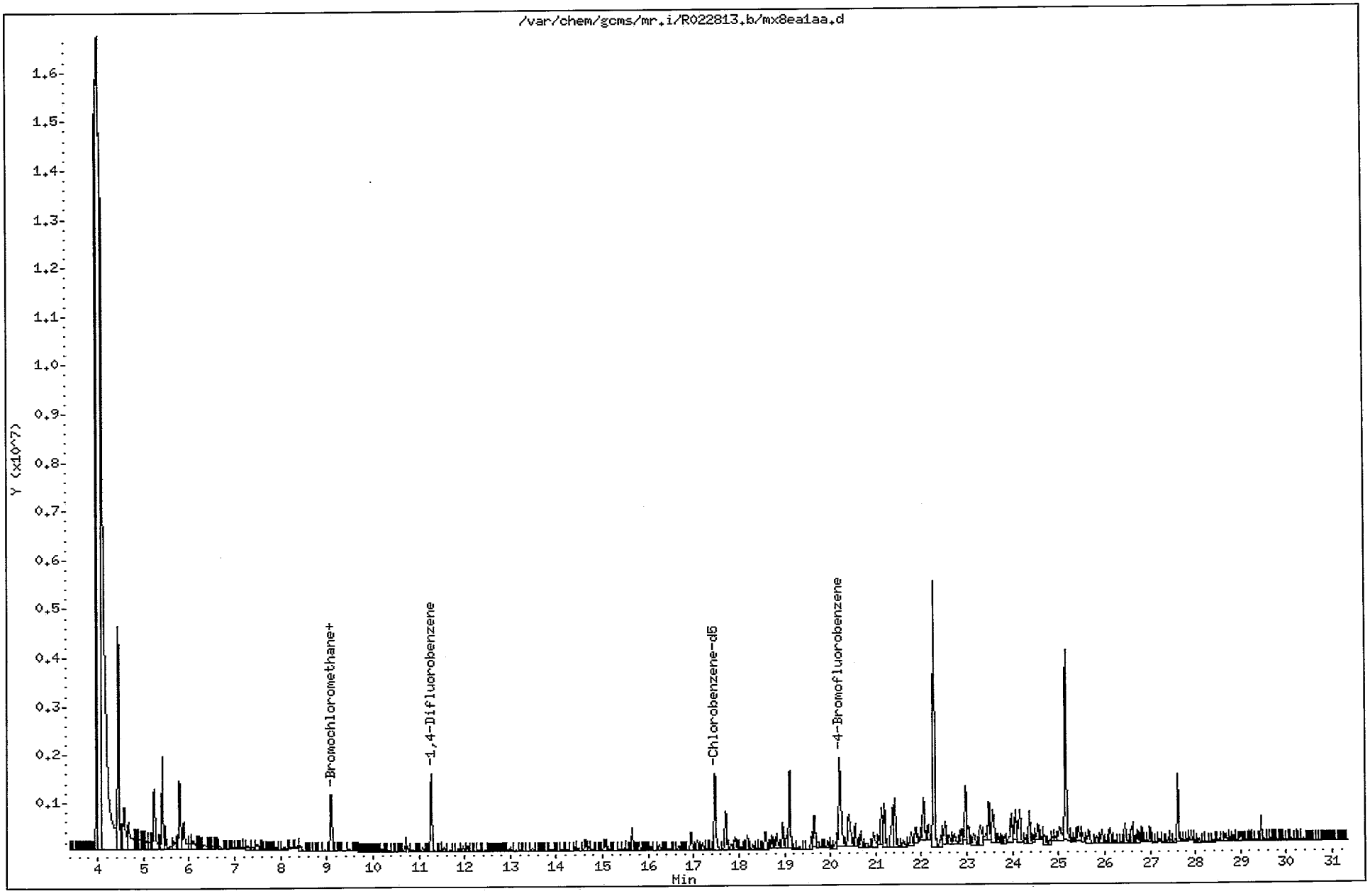
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EA1AA Client Smp ID: 828076-IA-003B1-02
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.259	106.48	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d
Date : 28-FEB-2013 23:01
Client ID: 828076-IA-003B1-02
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

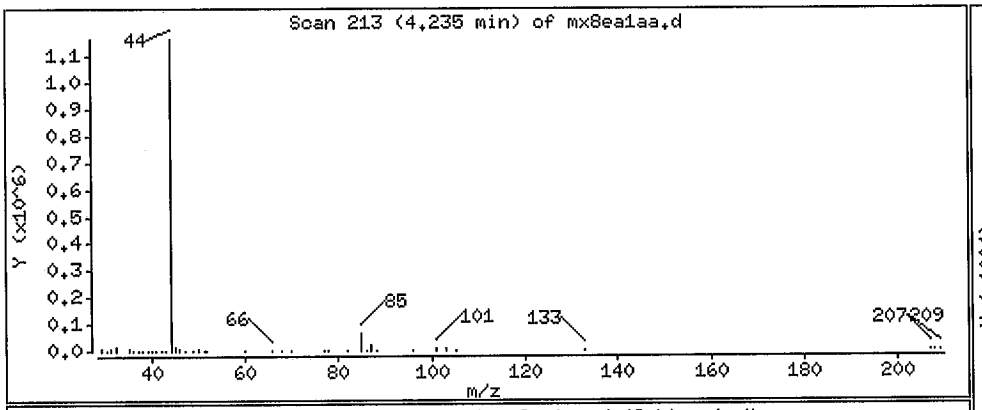
Operator: 403648

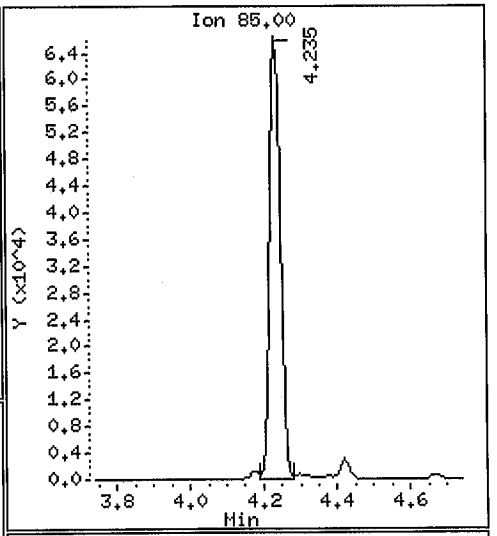
Column phase: Rtx-5

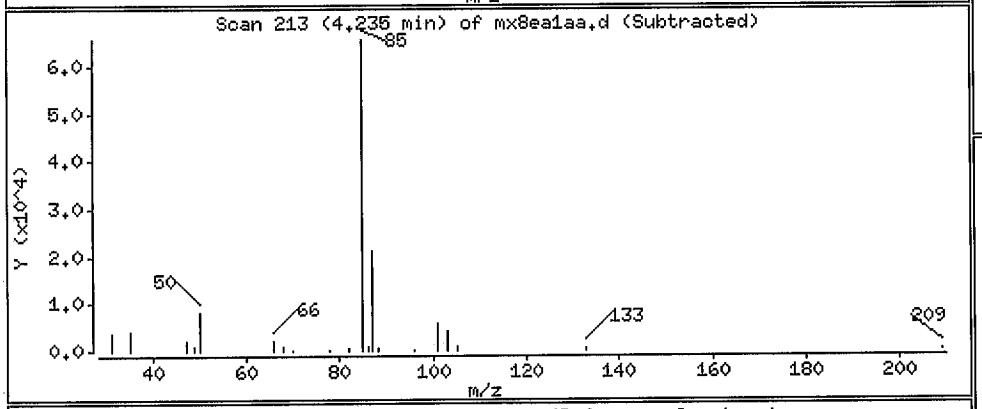
Column diameter: 0.32

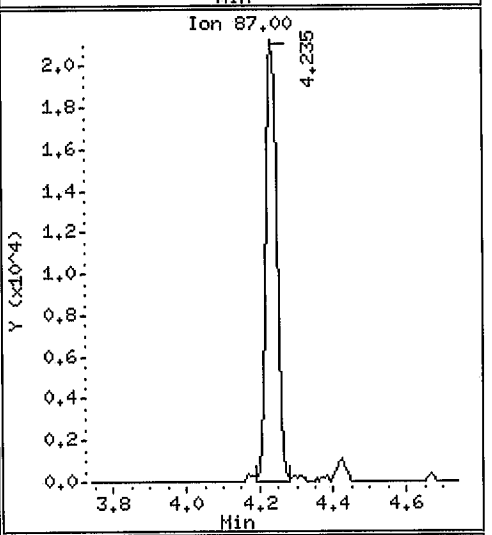
7 Dichlorodifluoromethane

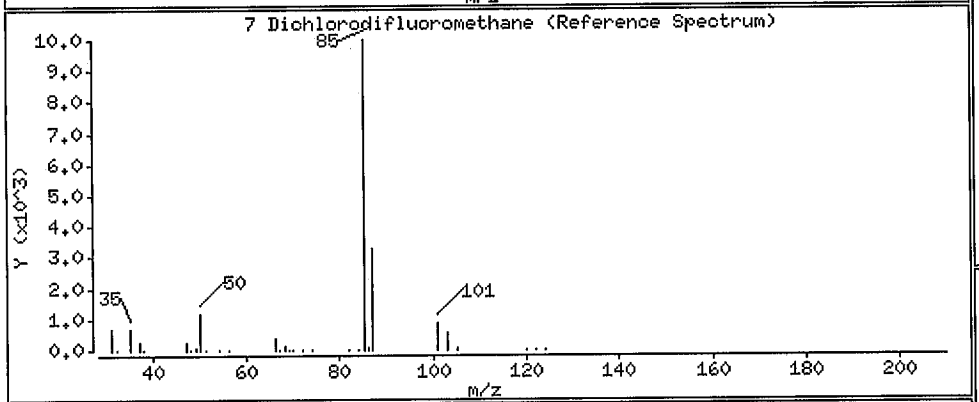
Concentration: 0.3408 ppb(v/v)

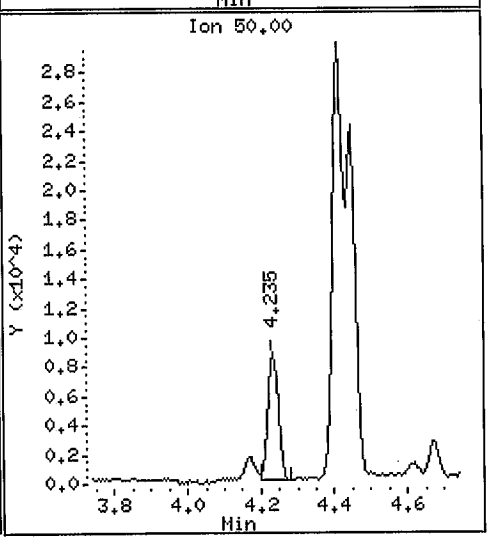


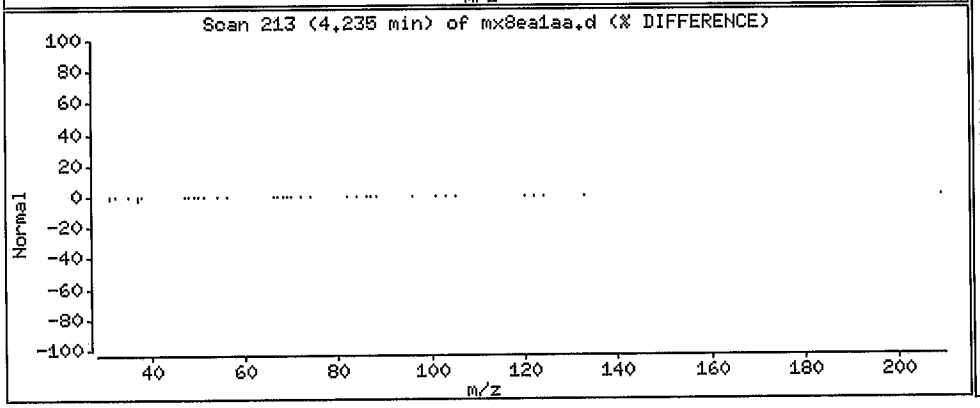












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

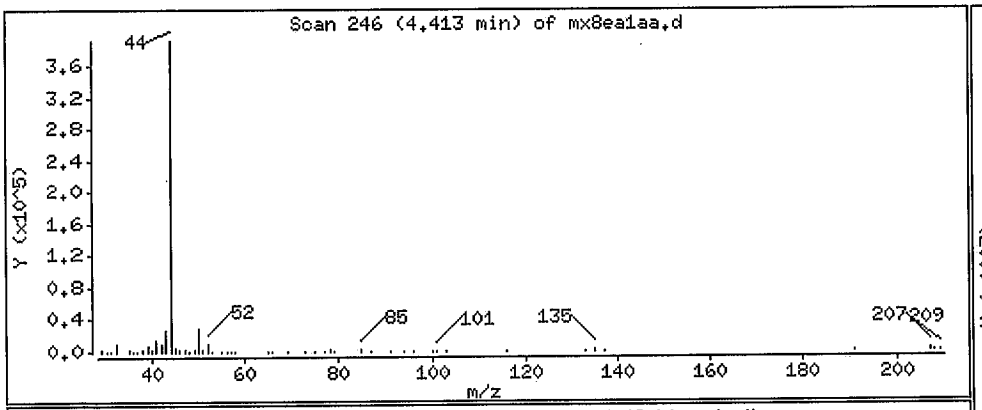
Operator: 403648

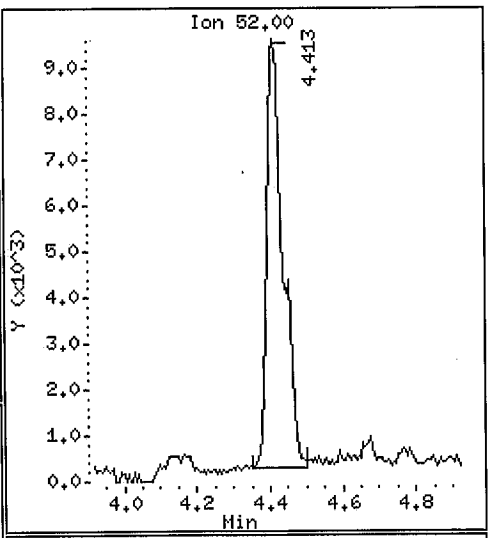
Column phase: Rtx-5

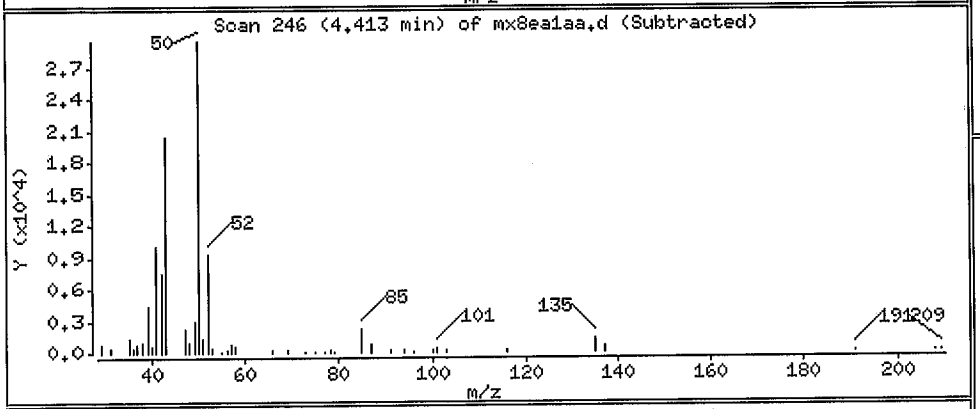
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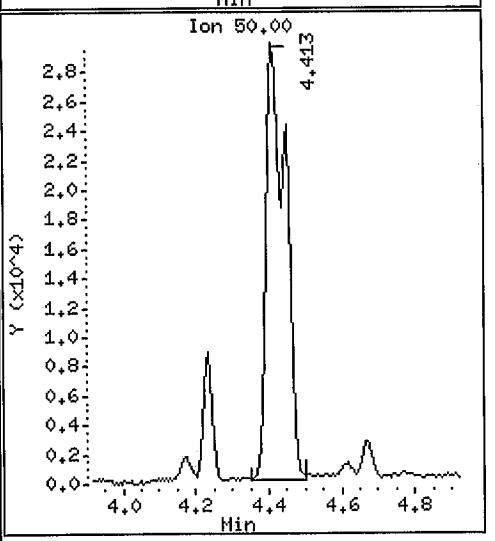
8 Chloromethane

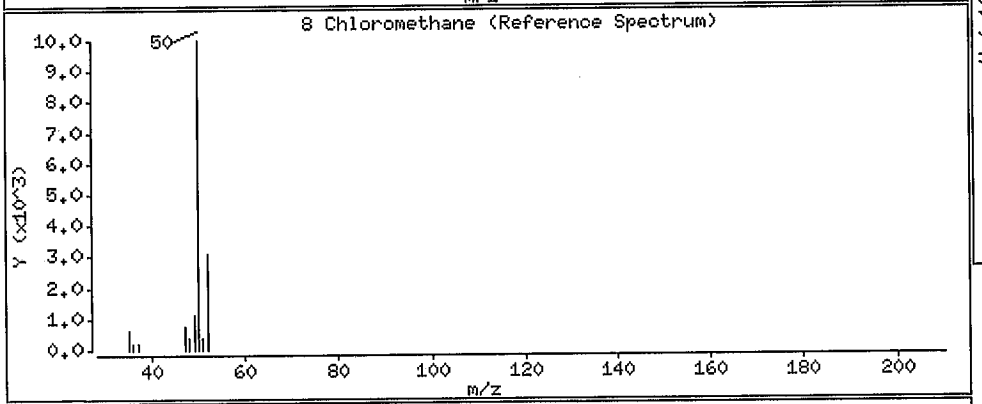
Concentration: 0.6376 ppb(v/v)

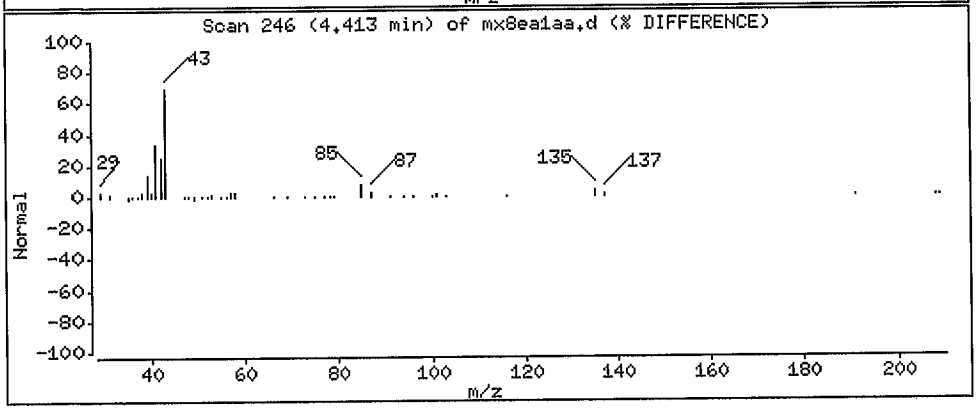












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

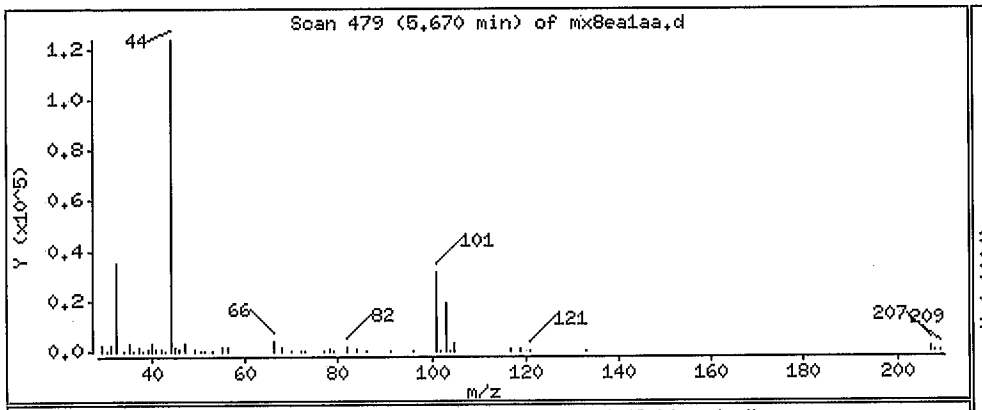
Client ID: 828076-IA-003B1-02 Instrument: mr.i

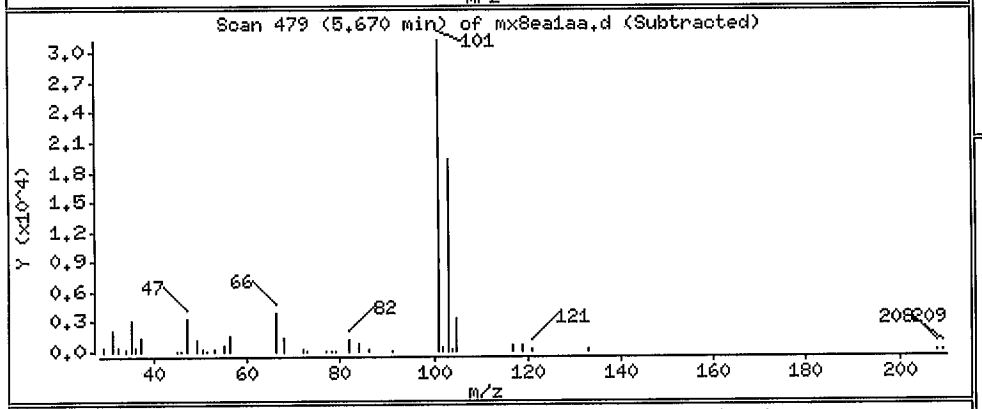
Sample Info: ,,0,,,

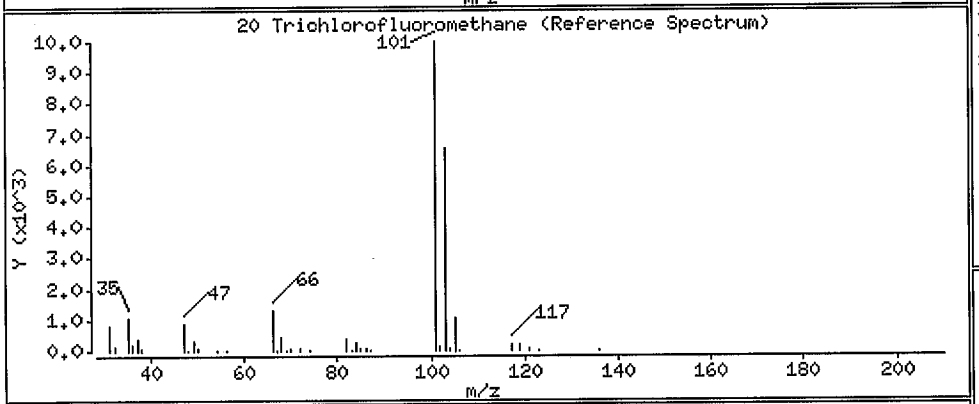
Purge Volume: 500.0 Operator: 403648

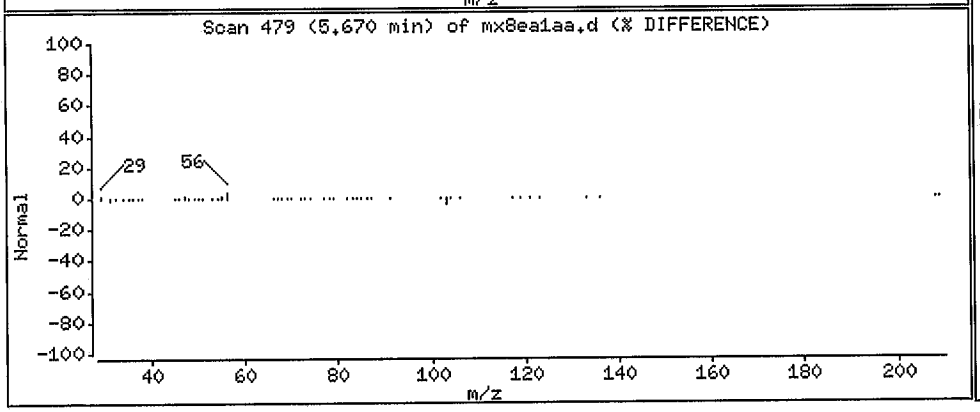
Column phase: Rtx-5 Column diameter: 0.32

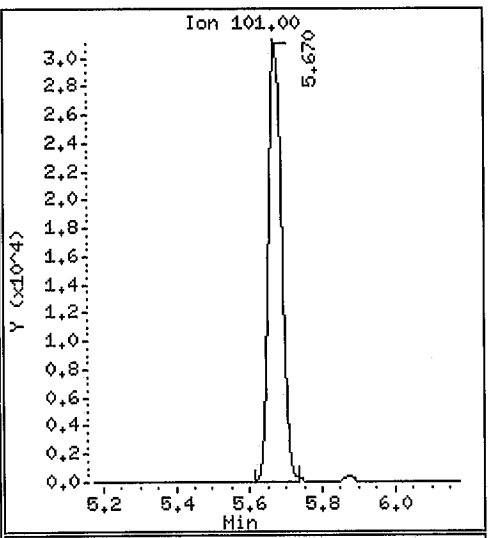
20 Trichlorofluoromethane Concentration: 0.2156 ppb(v/v)

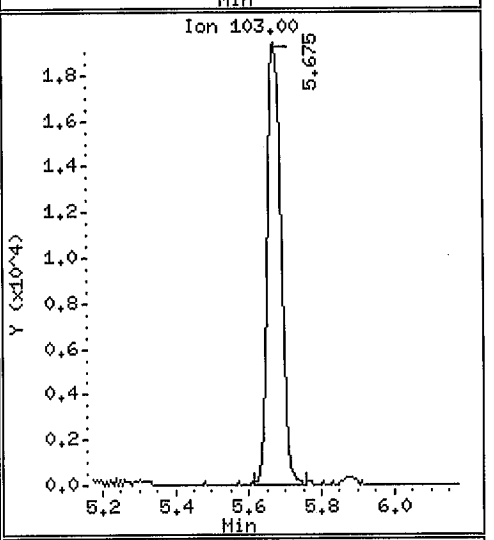


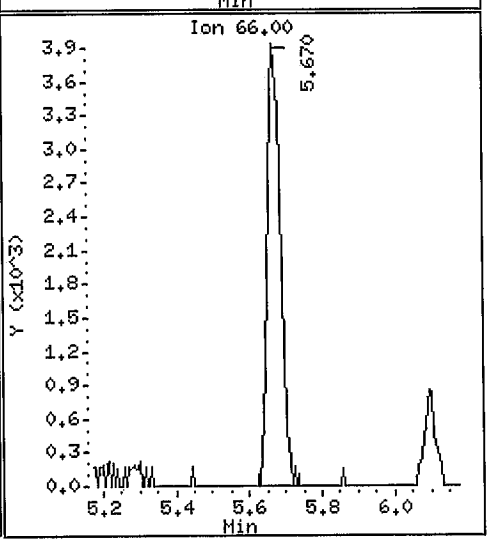












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

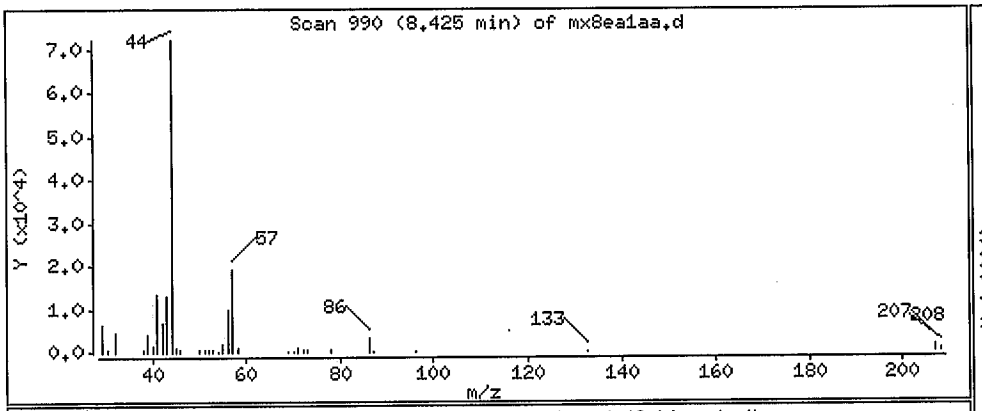
Operator: 403648

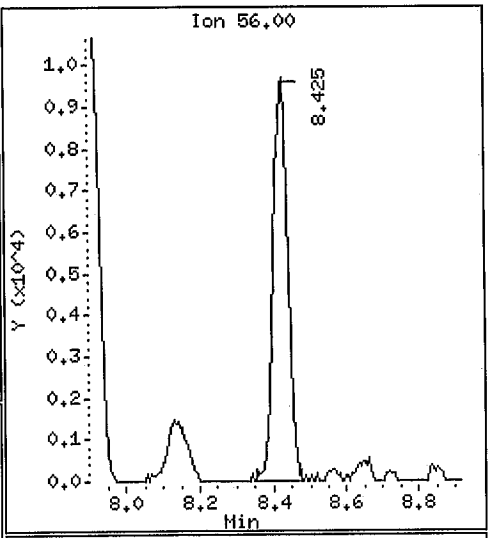
Column phase: Rtx-5

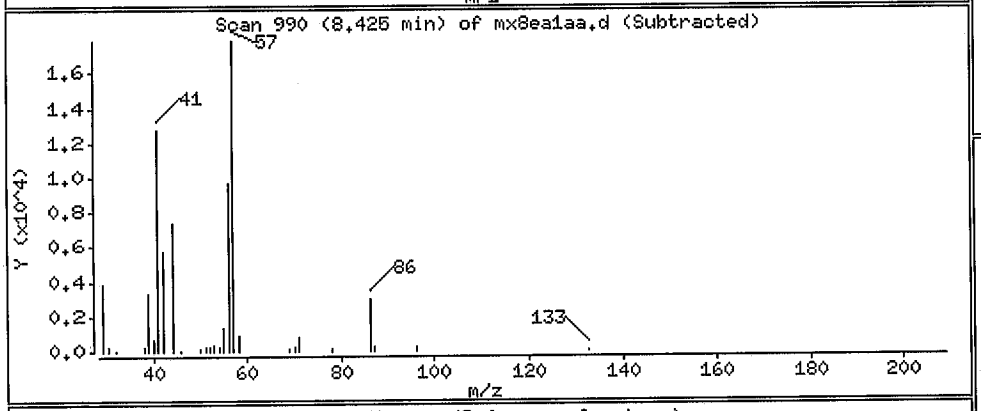
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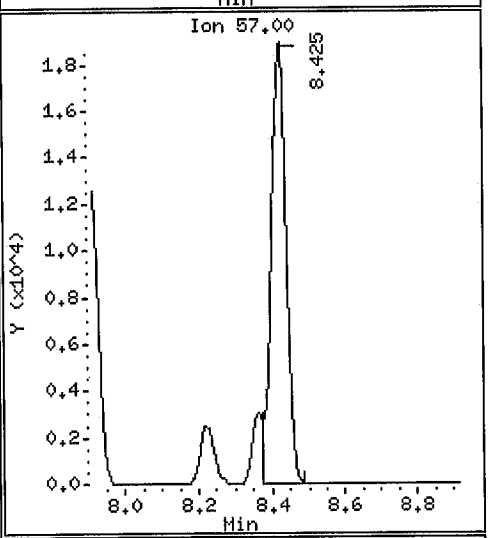
40 Hexane

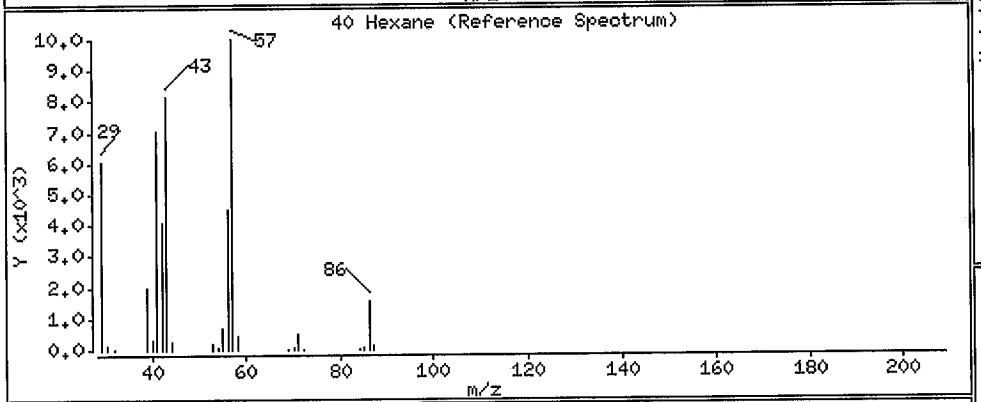
Concentration: 0.2191 ppb(v/v)

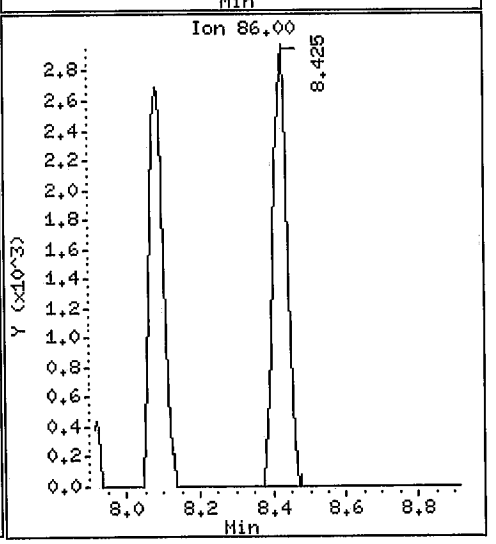


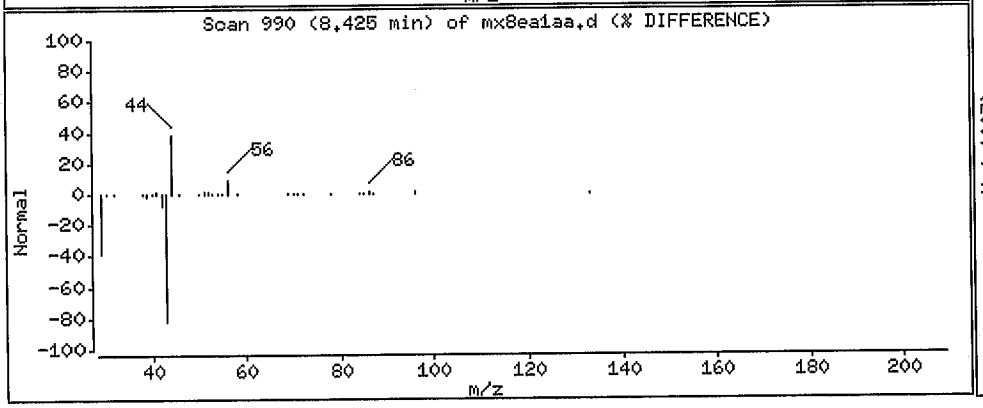












Data File: /var/chem/goms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

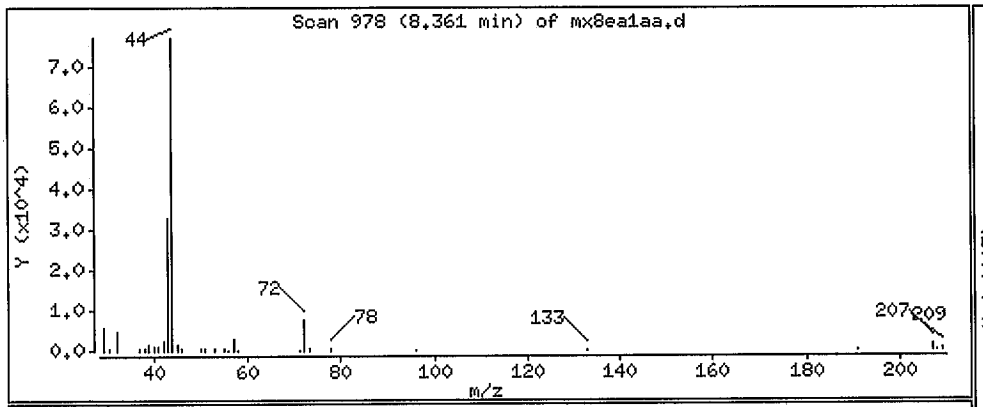
Operator: 403648

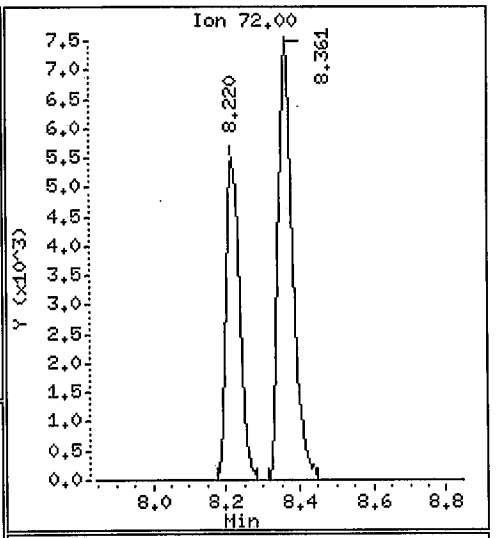
Column phase: Rtx-5

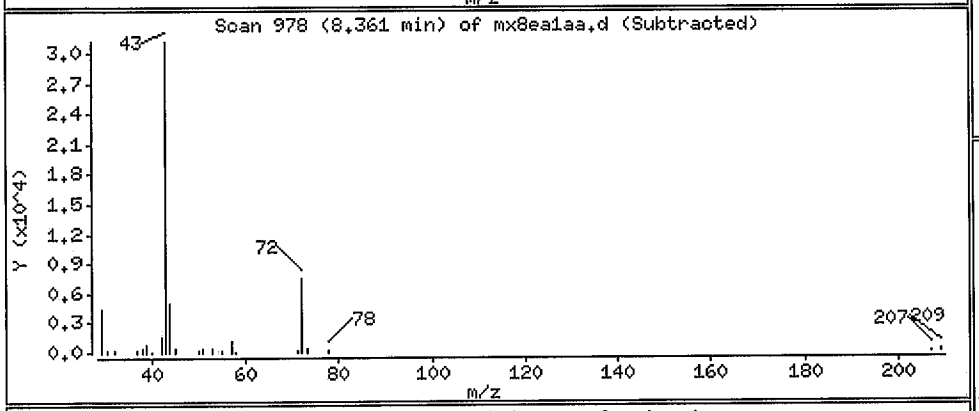
Column diameter: 0.32

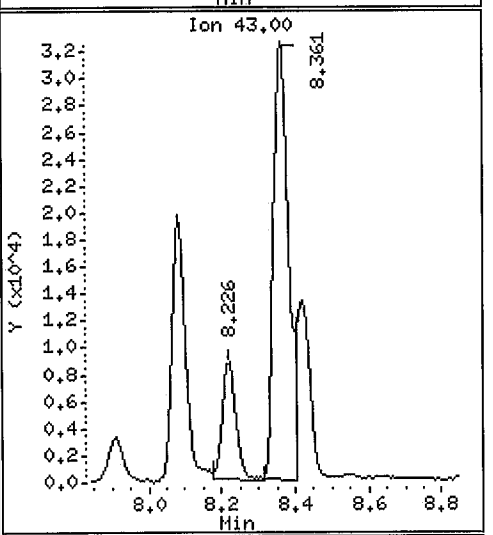
39 2-Butanone

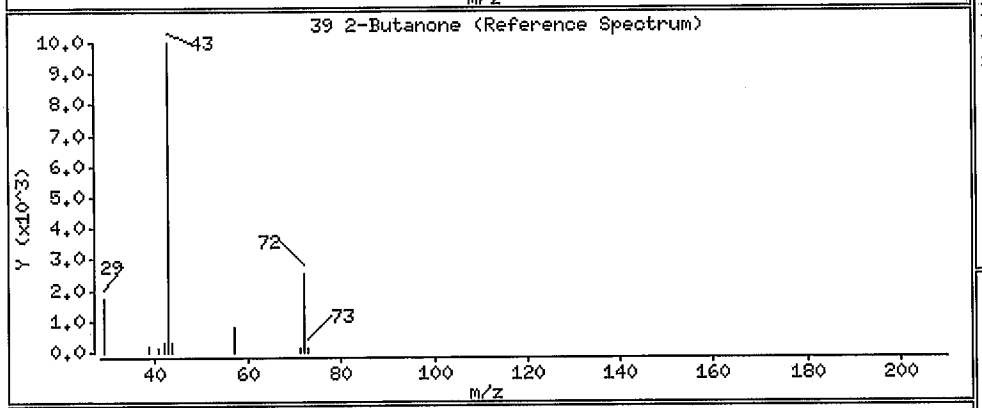
Concentration: 0.2942 ppb(v/v)

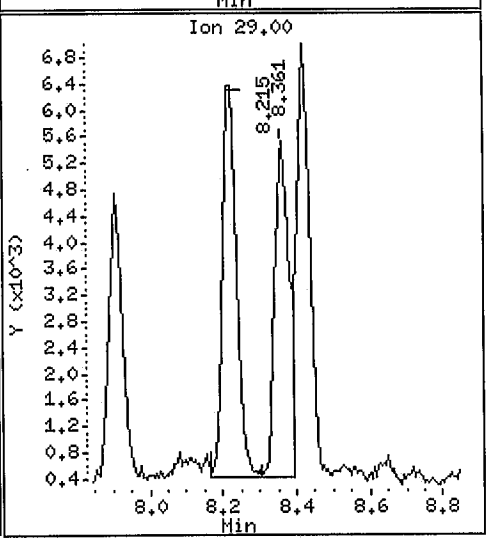


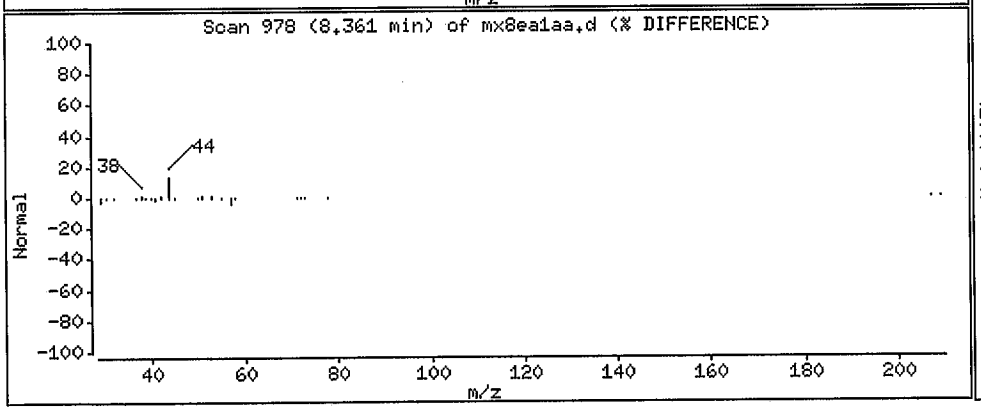












Data File: /var/chem/goms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

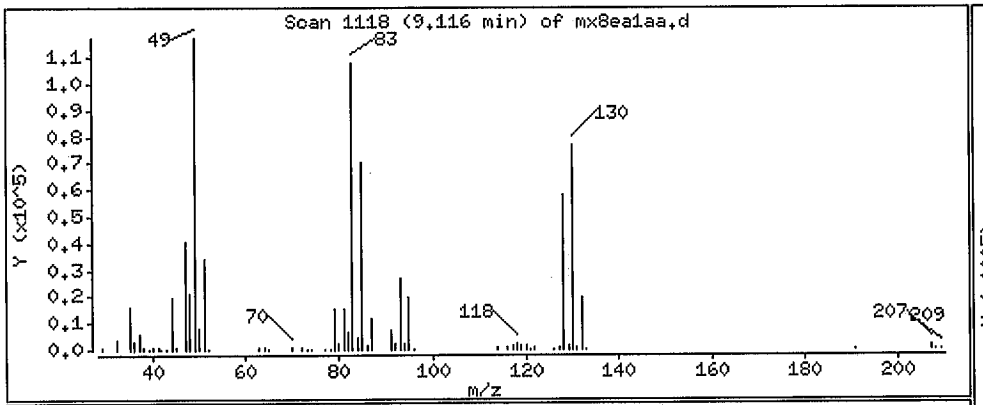
Operator: 403648

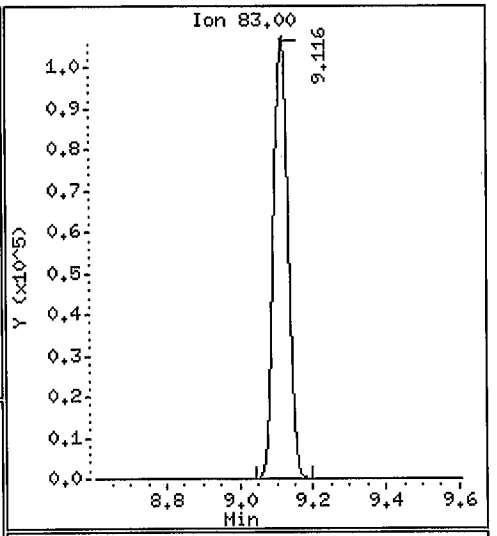
Column phase: Rtx-5

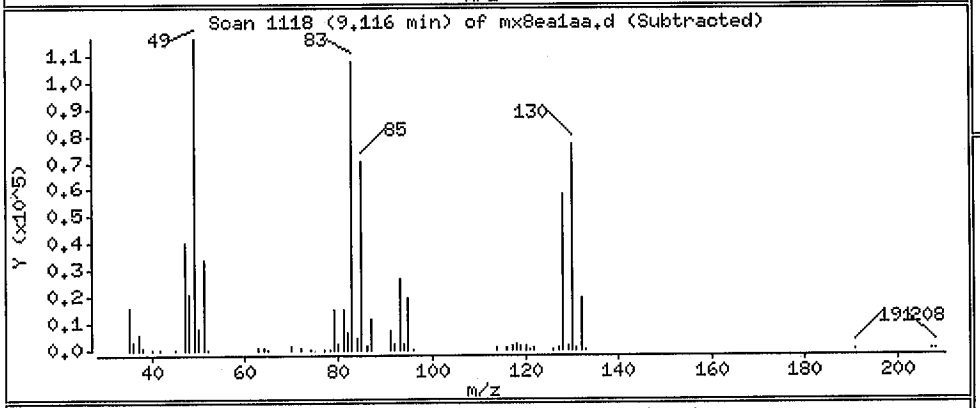
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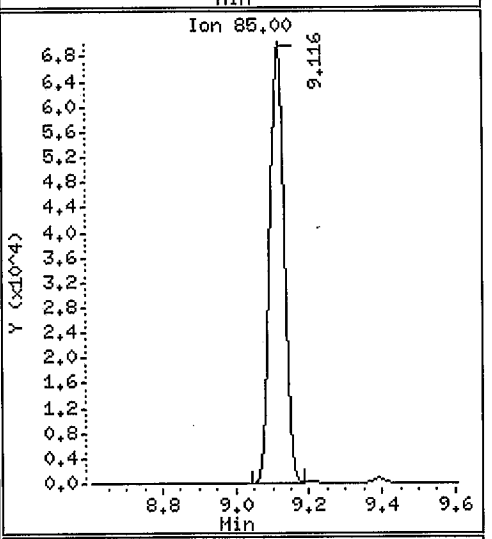
43 Chloroform

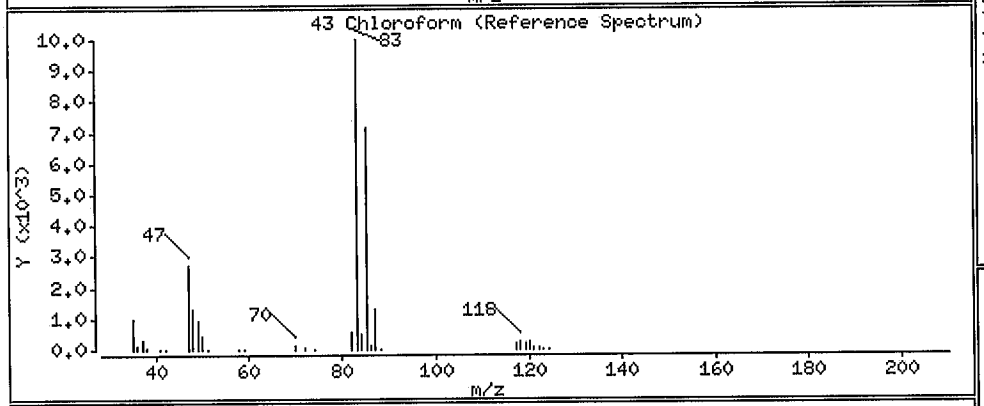
Concentration: 1.054 ppb(v/v)

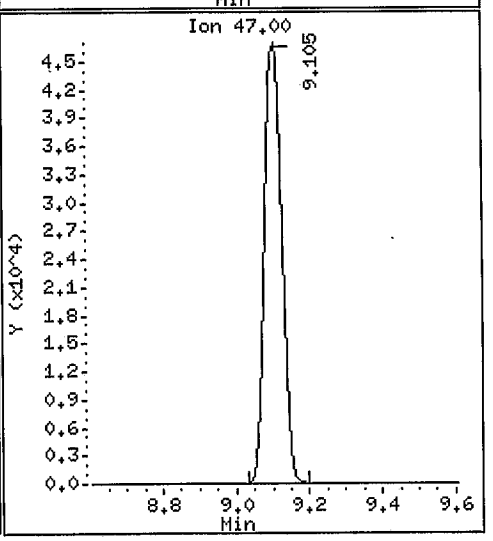


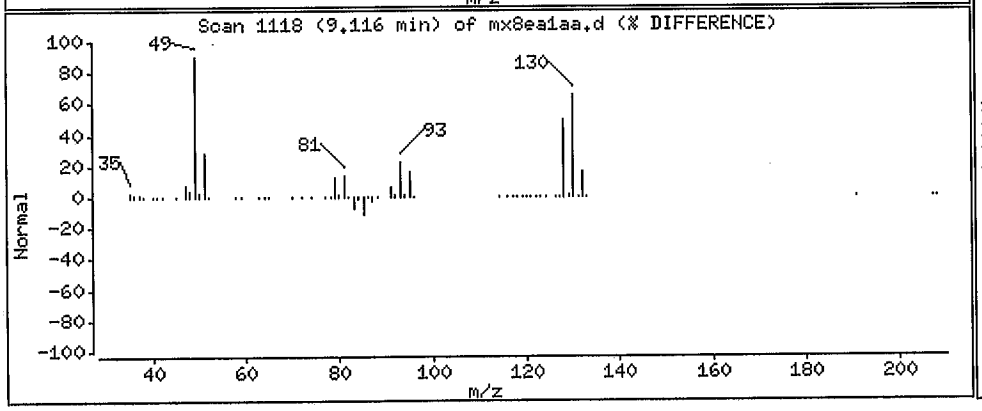












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

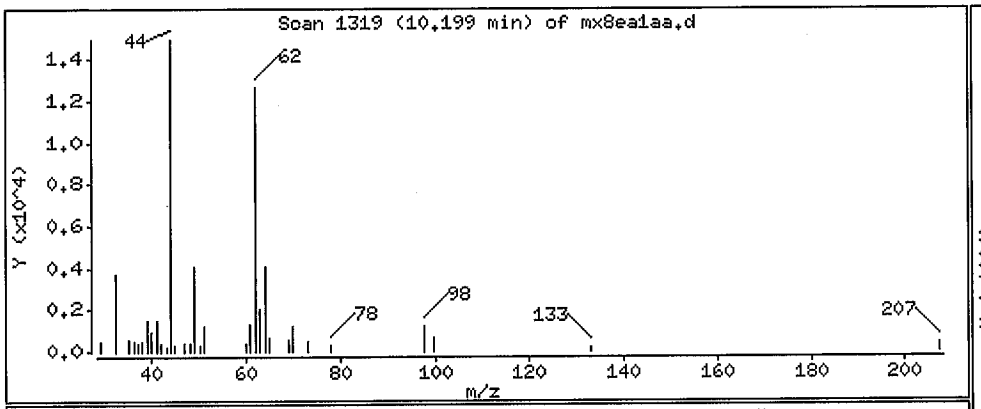
Client ID: 828076-IA-003B1-02 Instrument: mr.i

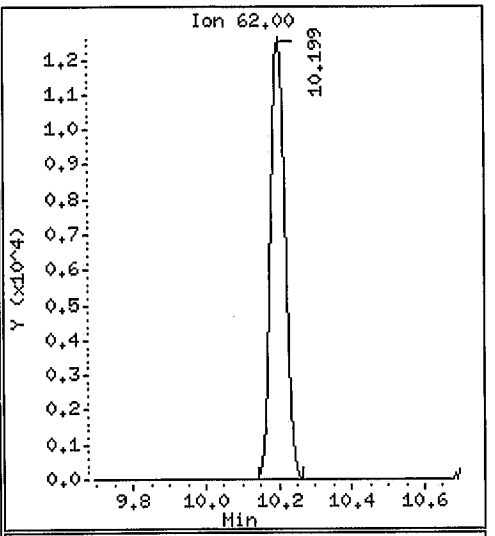
Sample Info: ,,0,,,

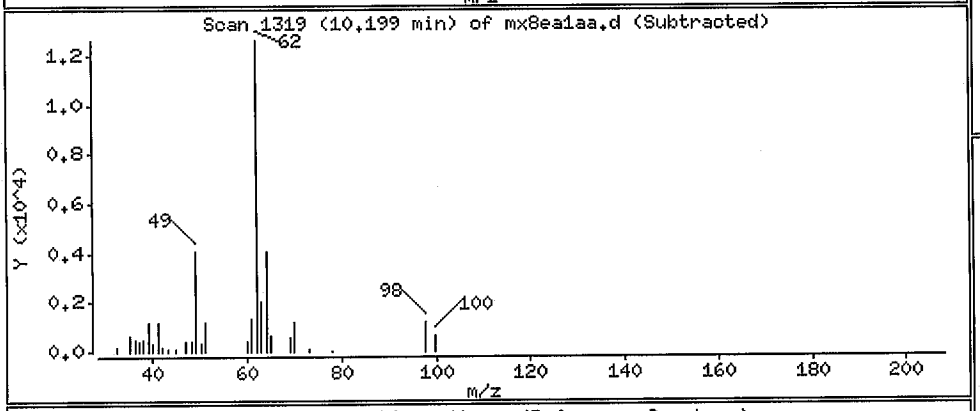
Purge Volume: 500.0 Operator: 403648

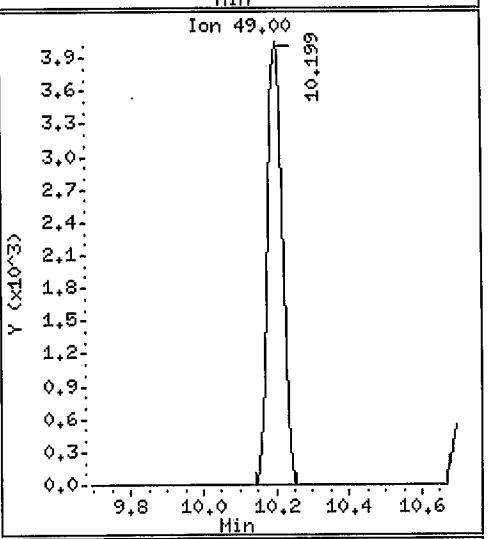
Column phase: Rtx-5 Column diameter: 0.32

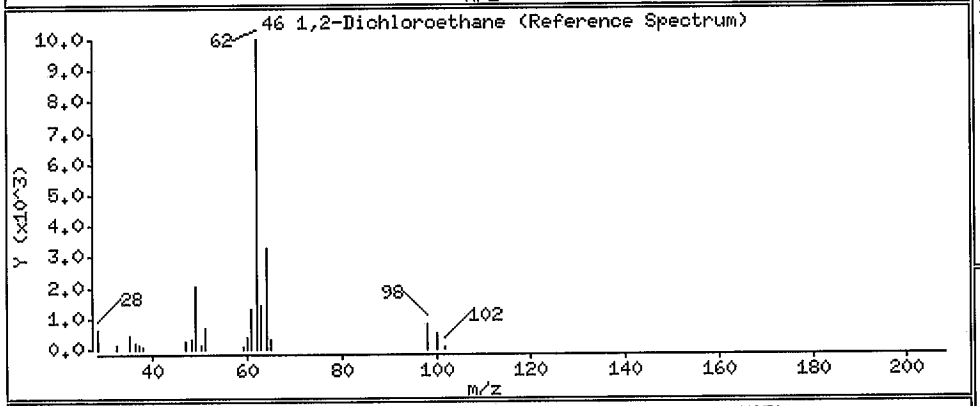
46 1,2-Dichloroethane Concentration: 0.1772 ppb(v/v)

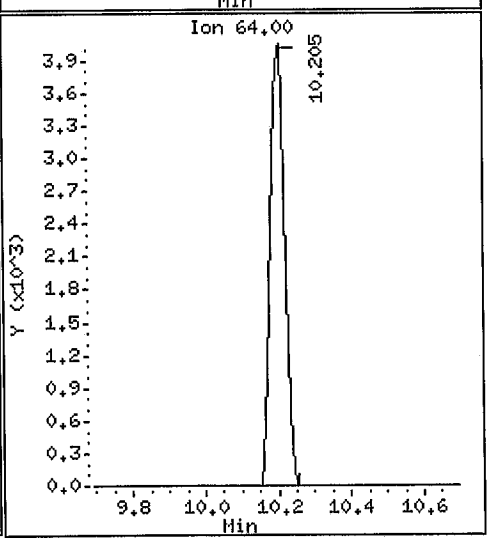


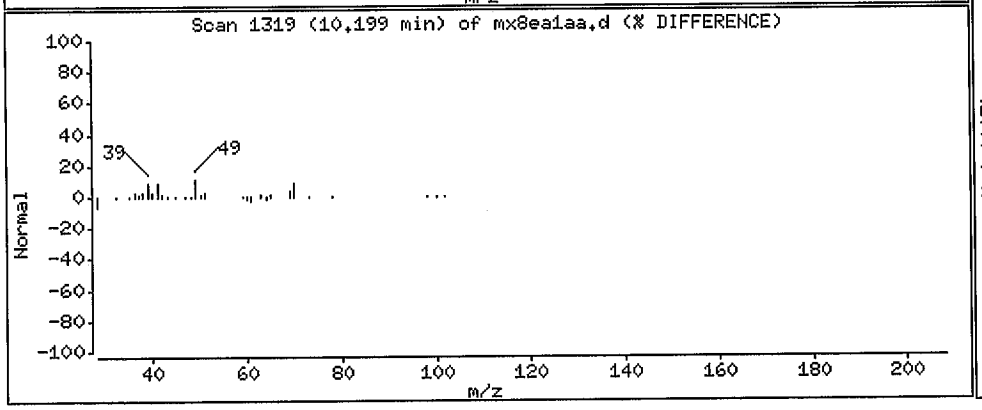












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

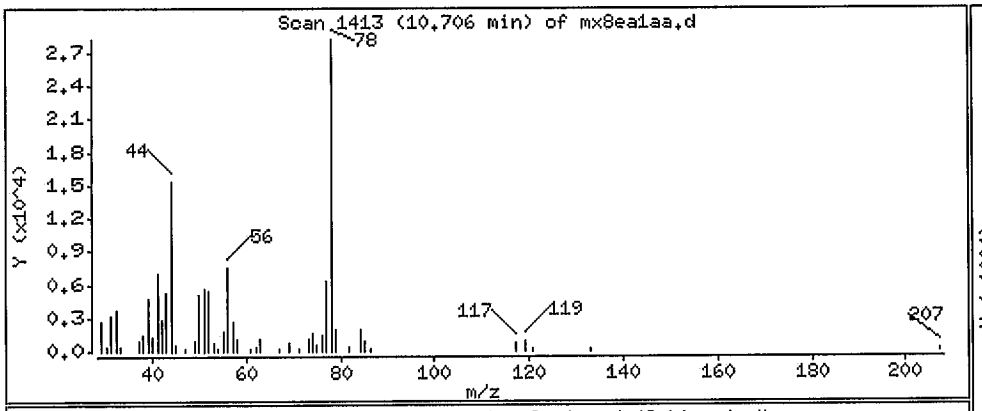
Client ID: 828076-IA-003B1-02 Instrument: mr.i

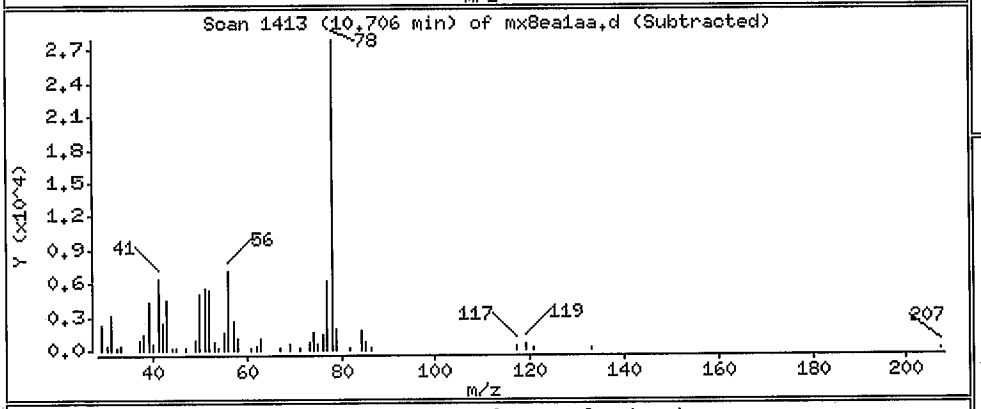
Sample Info: ,,0,,,

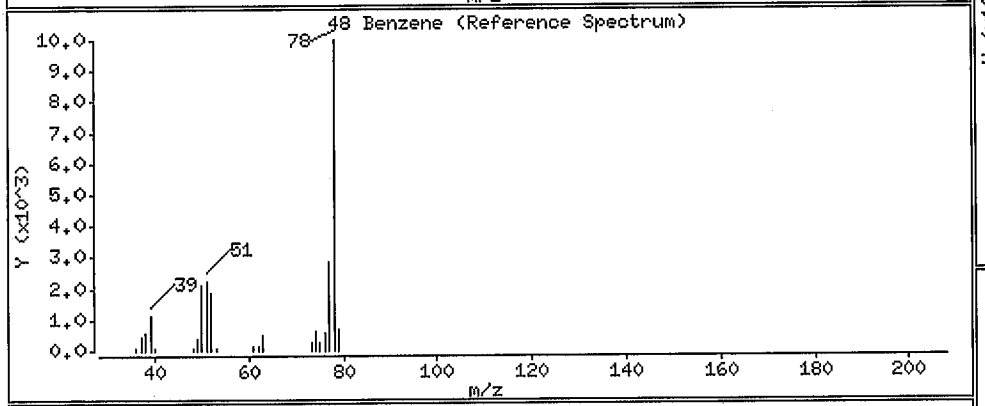
Purge Volume: 500.0 Operator: 403648

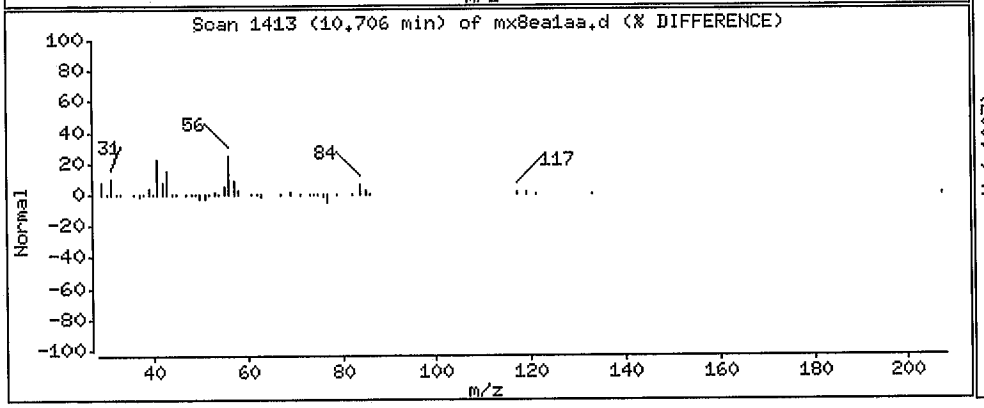
Column phase: Rtx-5 Column diameter: 0.32

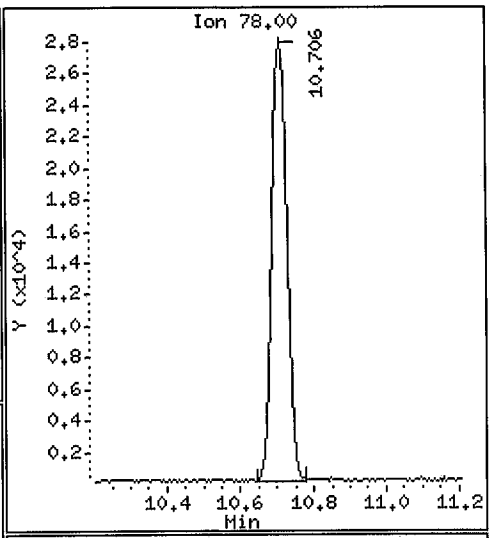
48 Benzene Concentration: 0.1747 ppb(v/v)

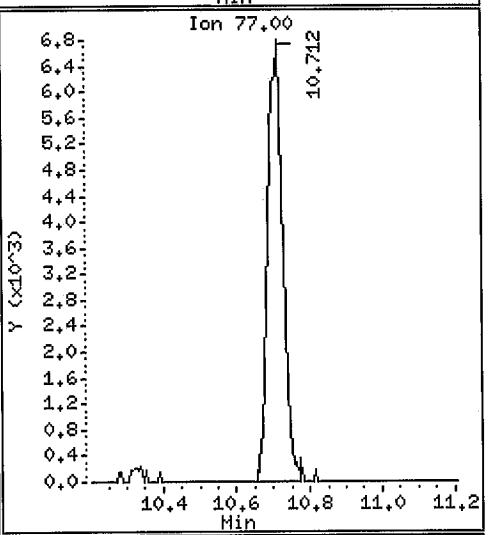


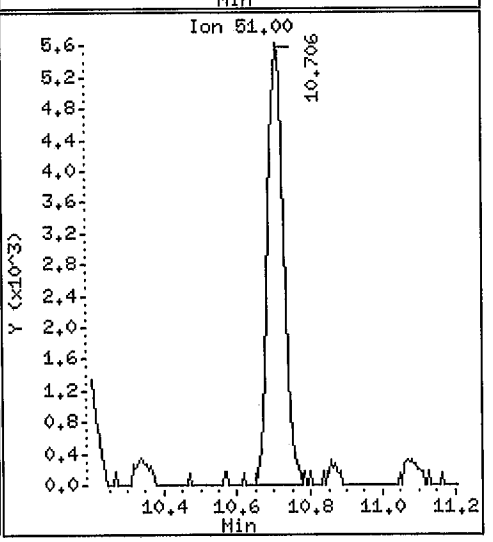












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

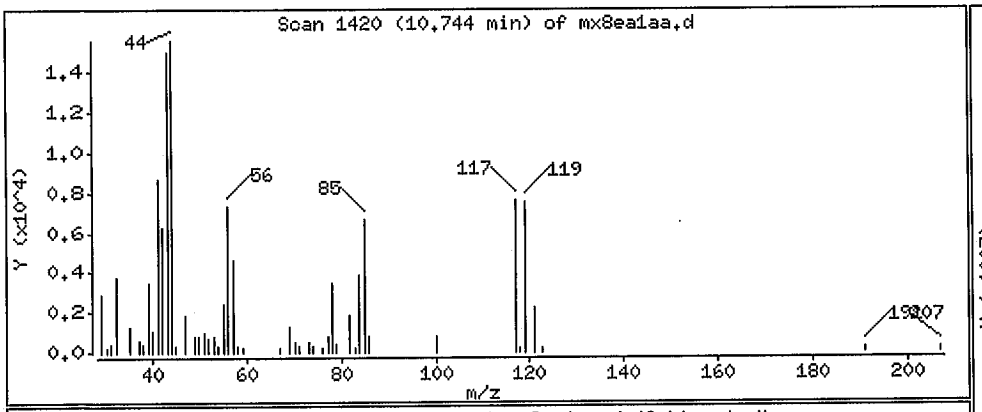
Operator: 403648

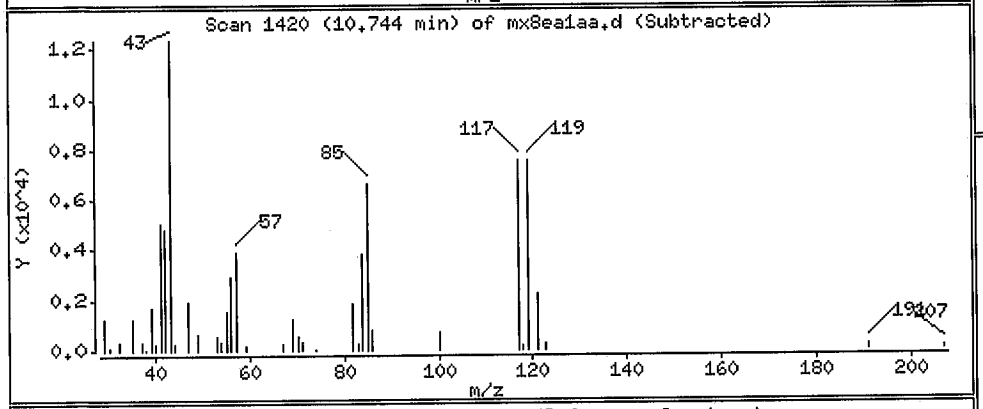
Column phase: Rtx-5

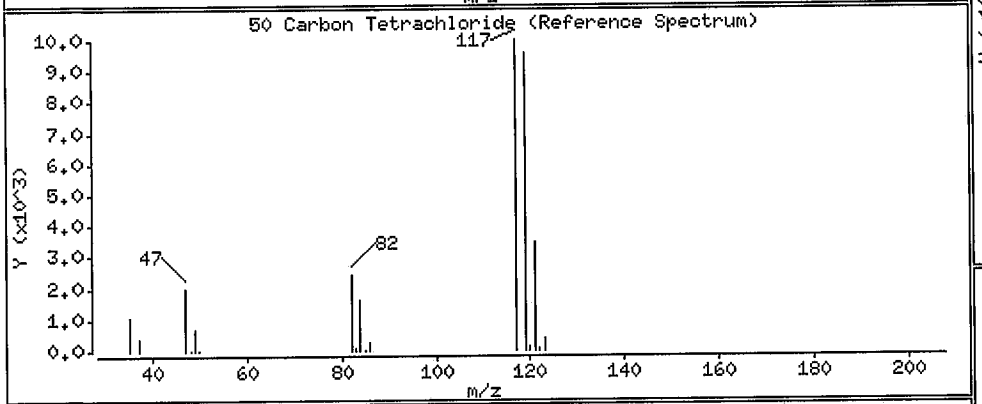
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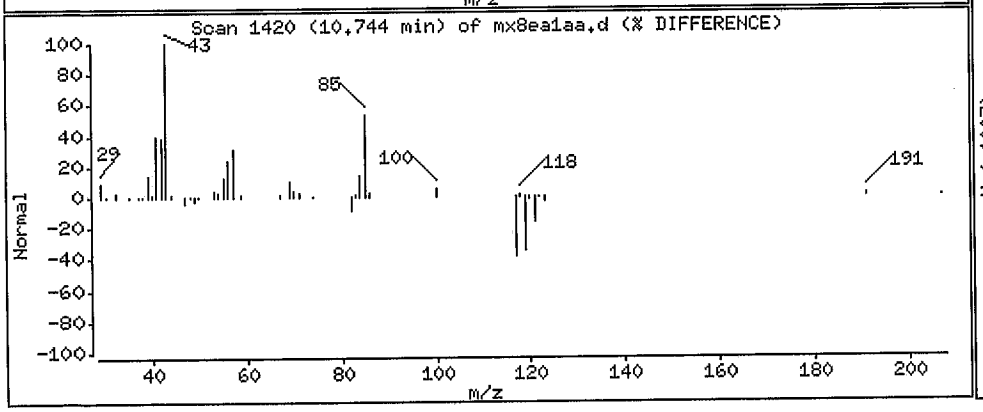
50 Carbon Tetrachloride

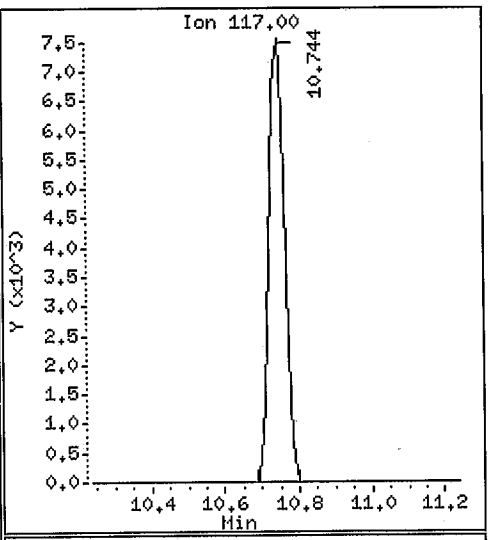
Concentration: 0.09432 ppb(v/v)

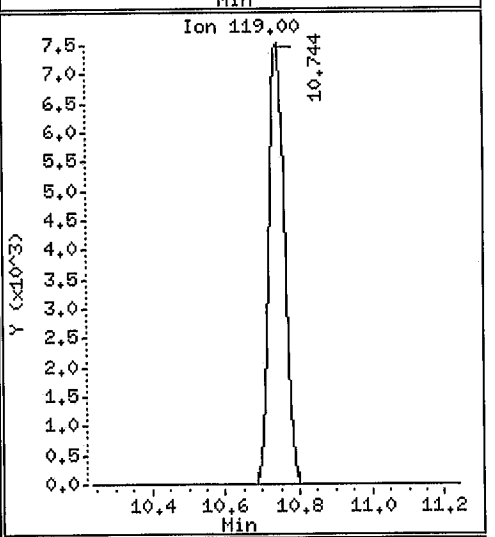


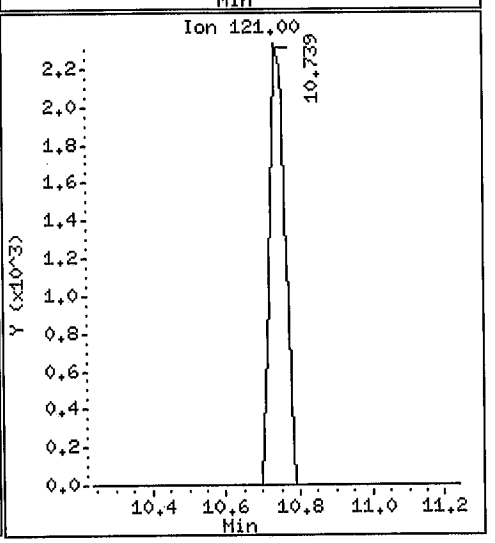












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

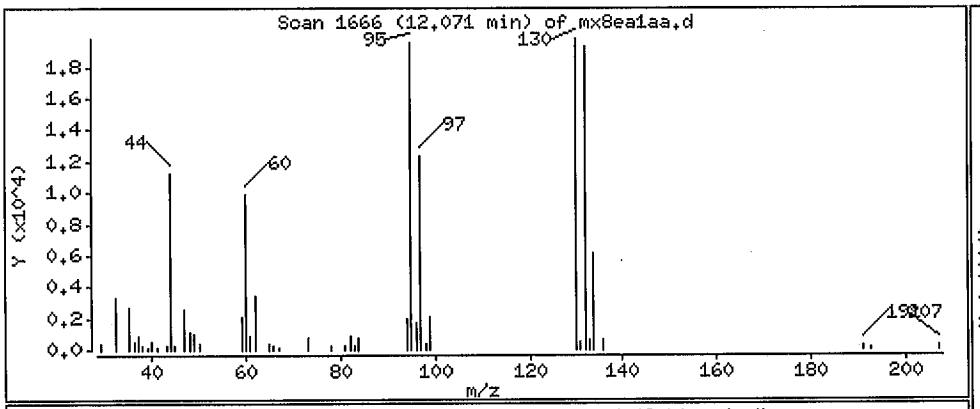
Client ID: 828076-IA-003B1-02 Instrument: mr.i

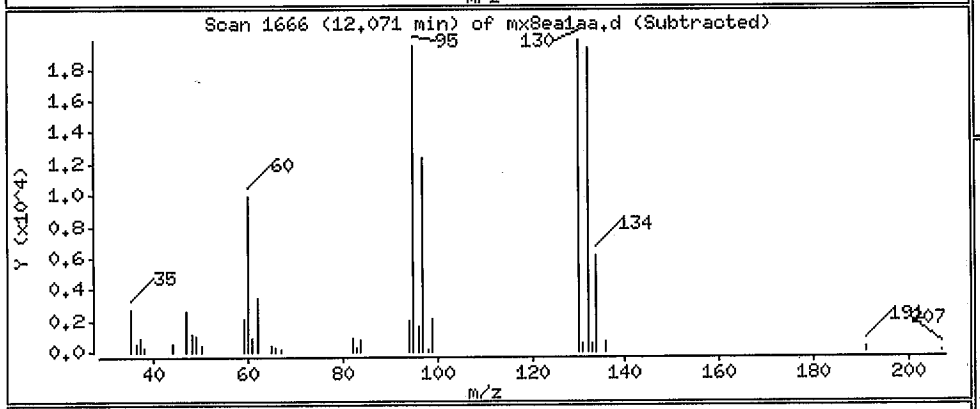
Sample Info: ,,0,,,

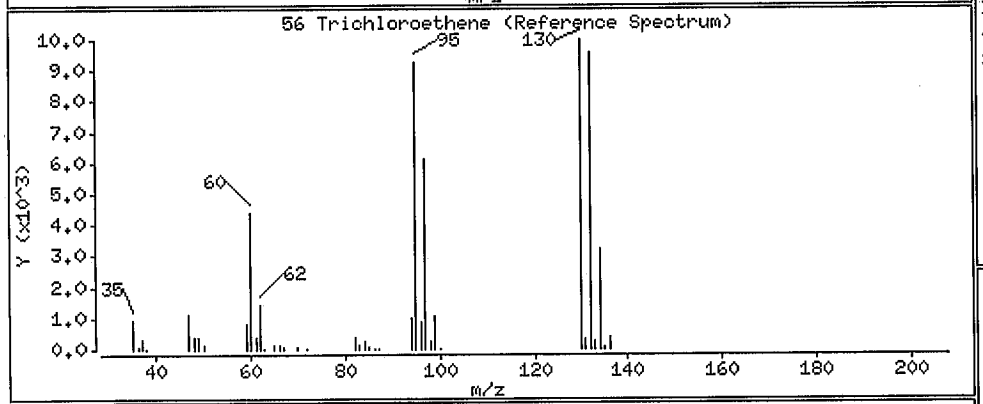
Purge Volume: 500.0 Operator: 403648

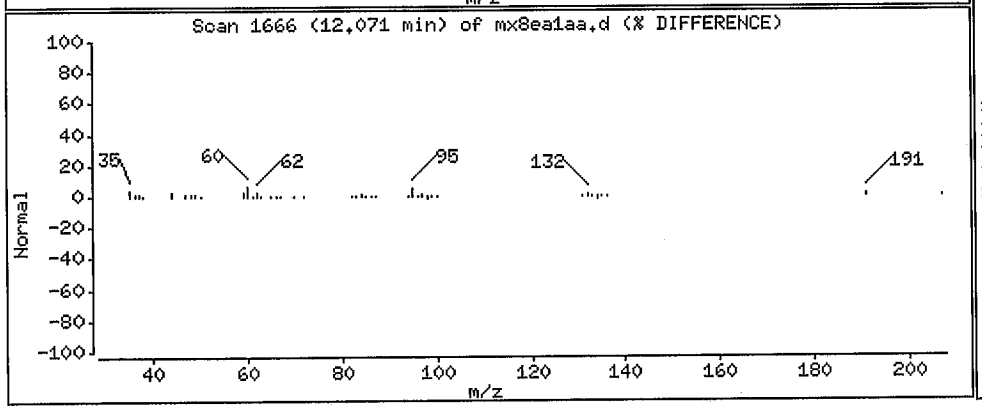
Column phase: Rtx-5 Column diameter: 0.32

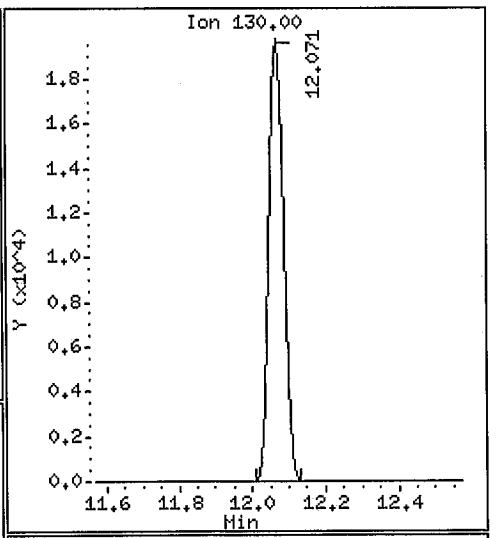
56 Trichloroethene Concentration: 0.2702 ppb(v/v)

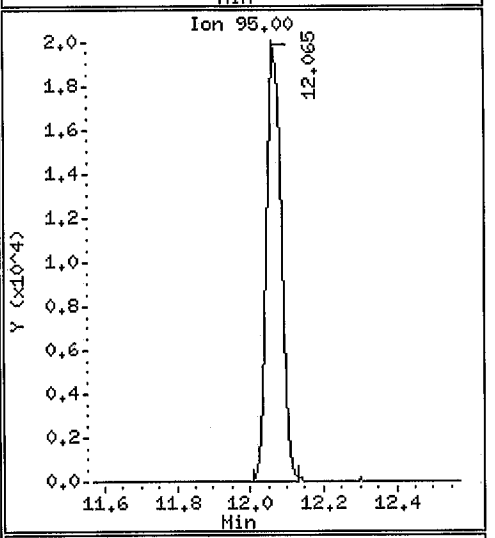


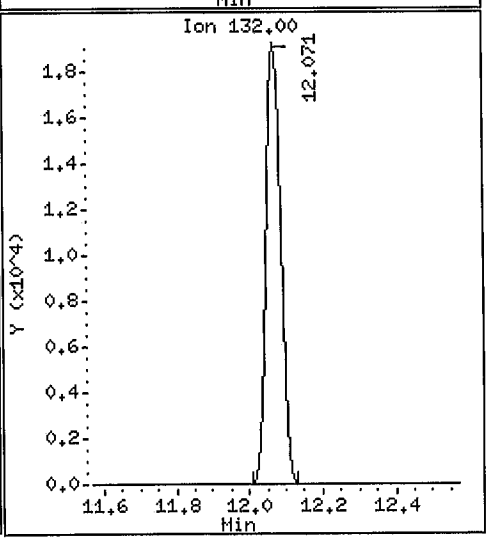












Data File: /var/chem/goms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

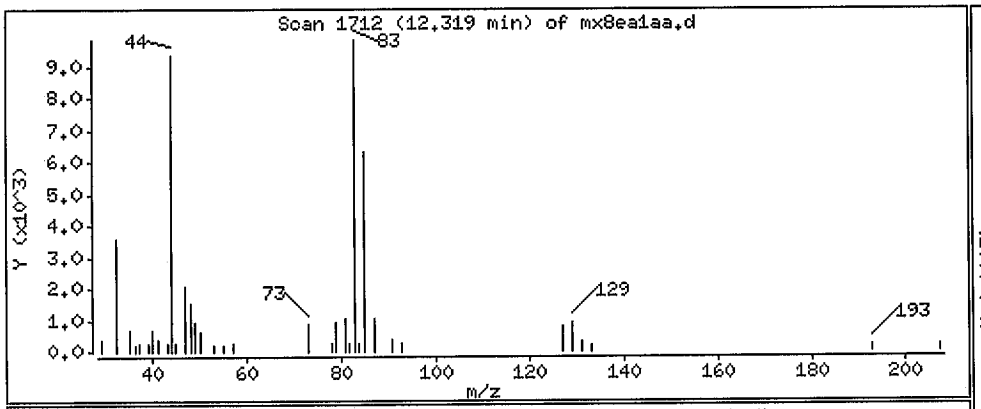
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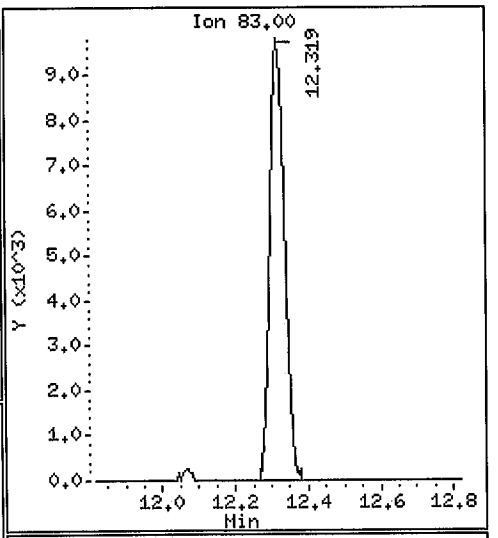
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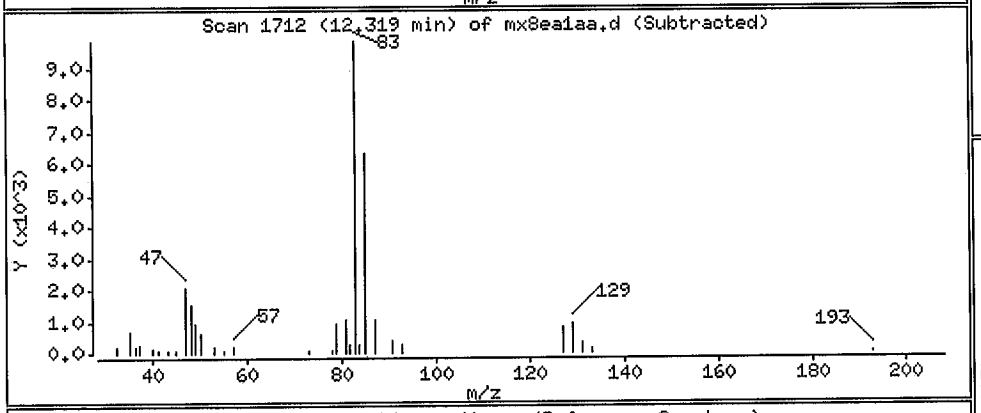
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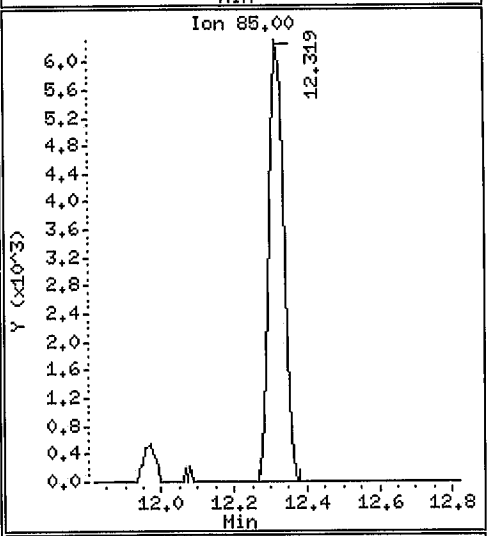
58 Bromodichloromethane

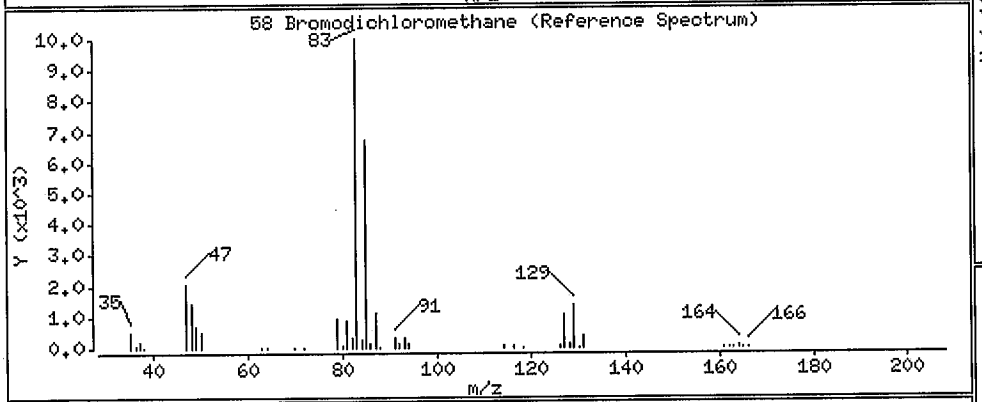
Concentration: 0.09362 ppb(v/v)

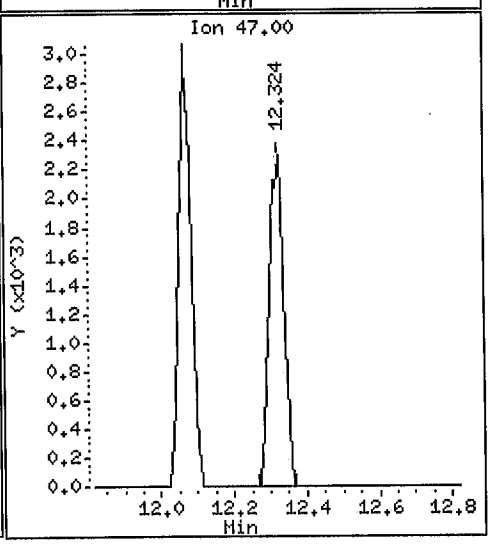


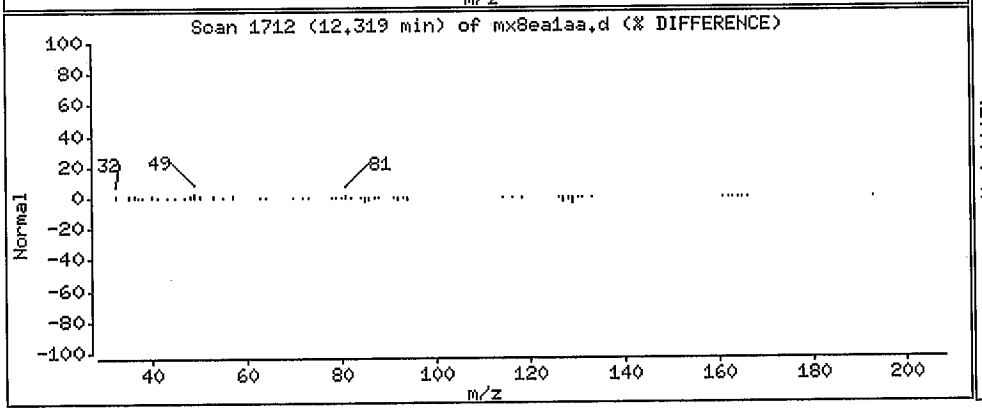












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

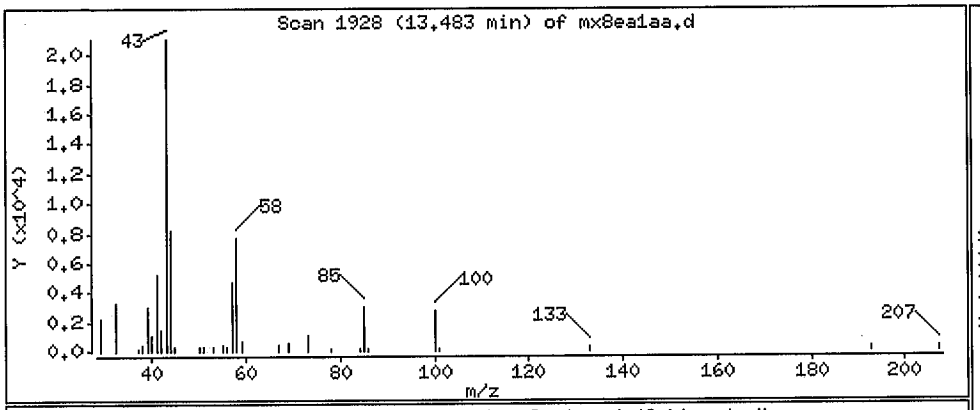
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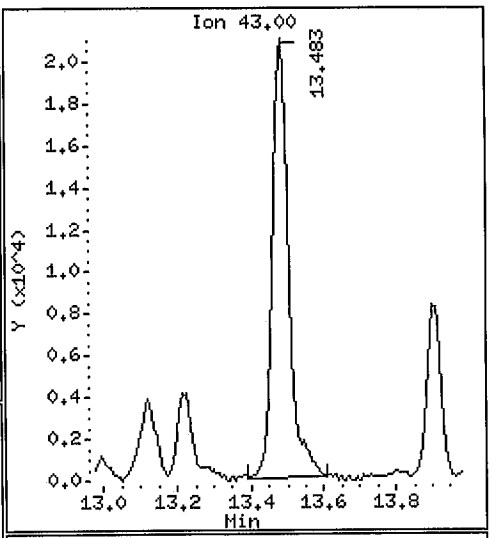
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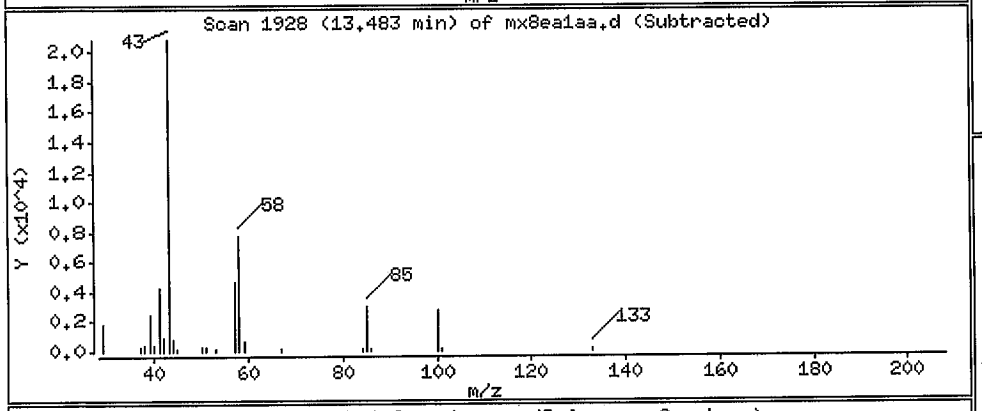
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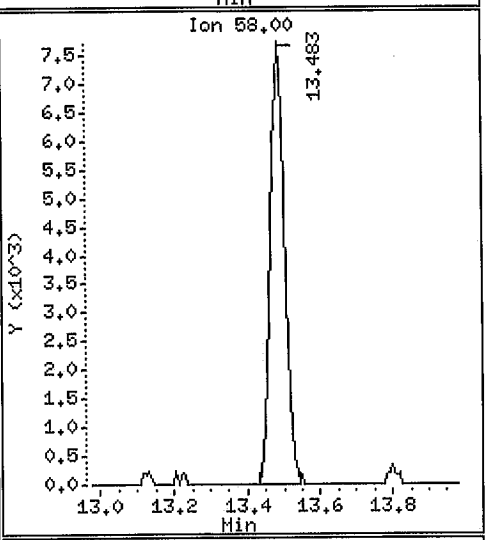
62 4-Methyl-2-pentanone

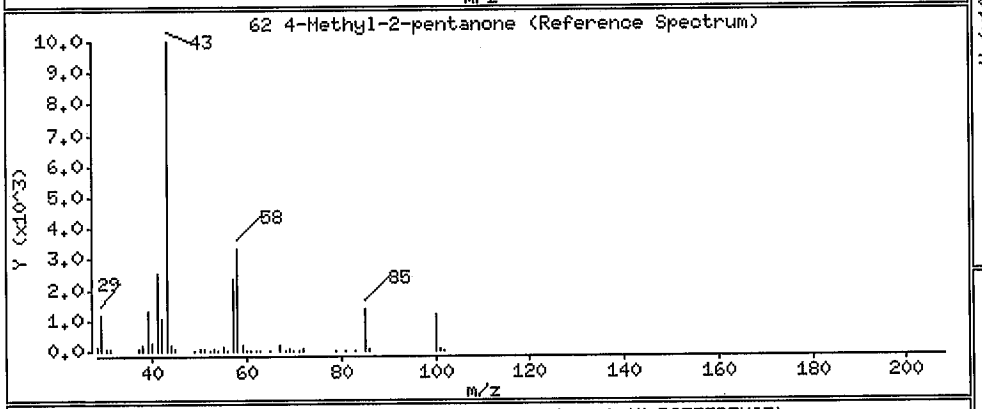
Concentration: 0.2043 ppb(v/v)

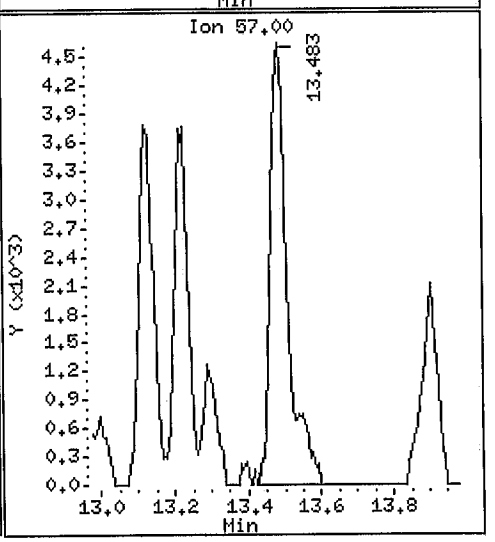


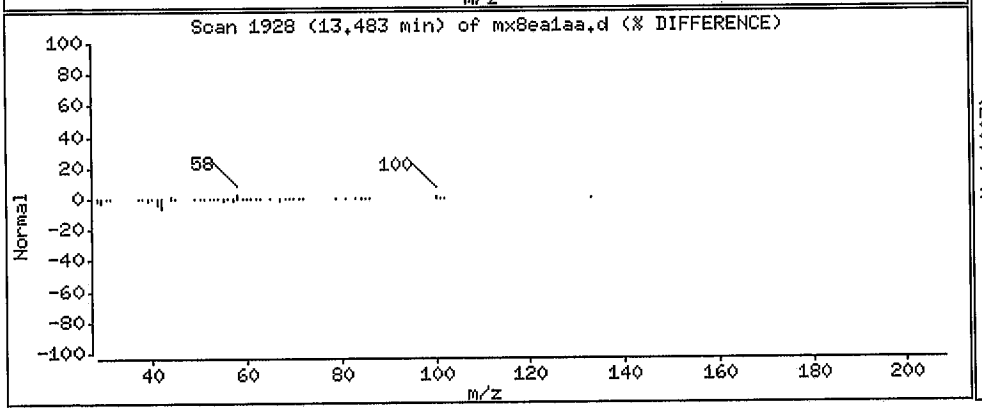












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

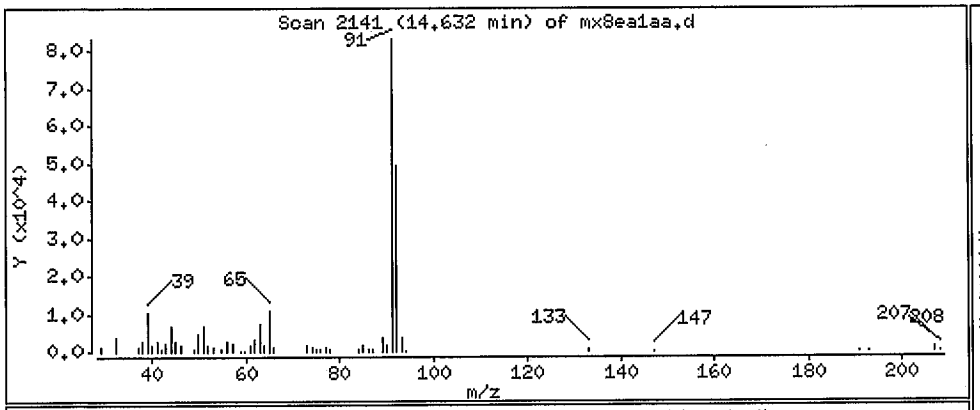
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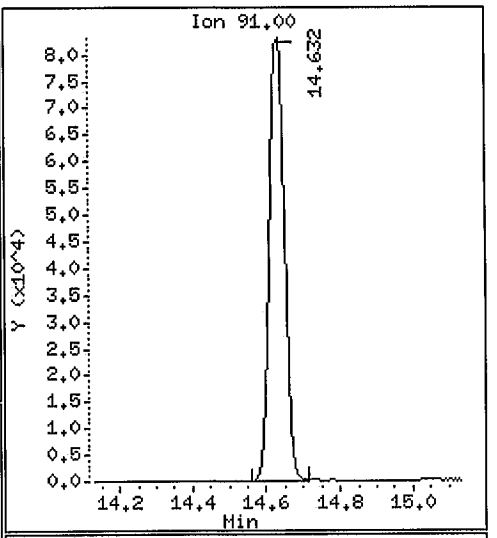
Sample Info: ,,0,,,

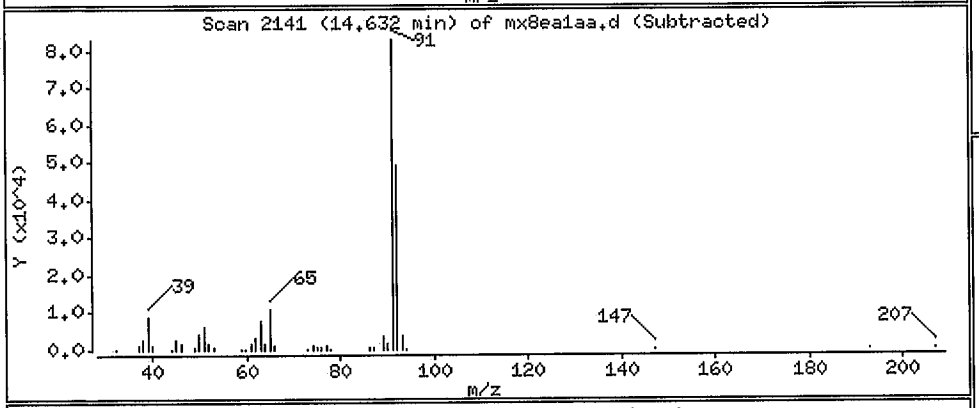
Purge Volume: 500.0 Operator: 403648

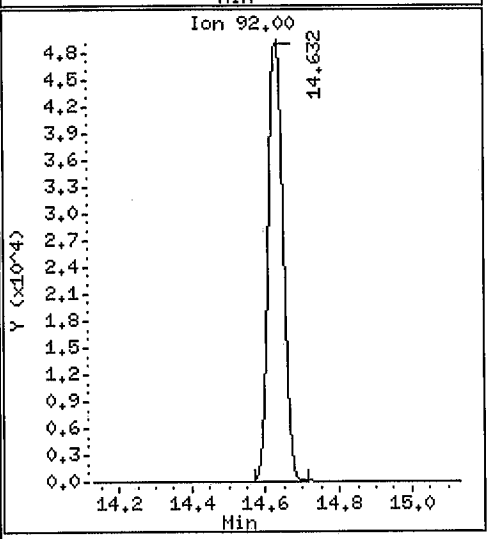
Column phase: Rtx-5 Column diameter: 0.32

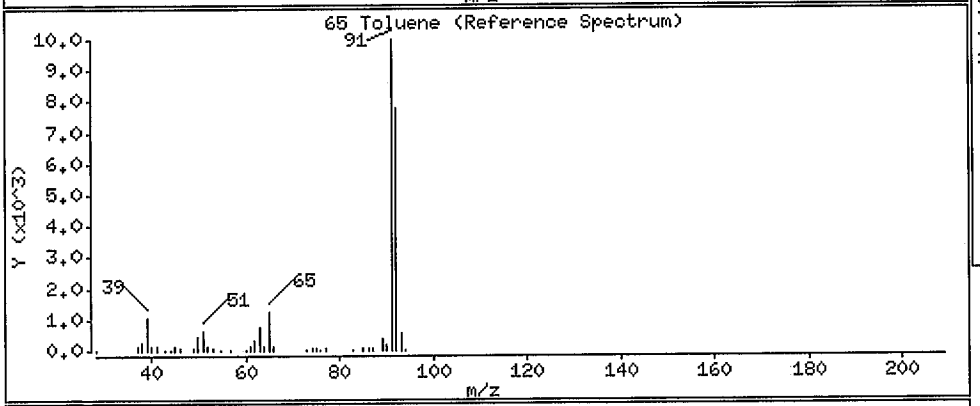
65 Toluene Concentration: 0.4080 ppb(v/v)

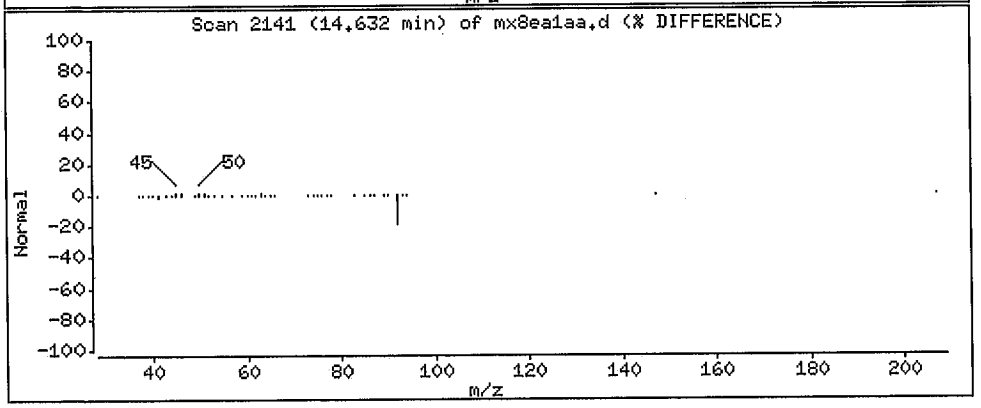












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

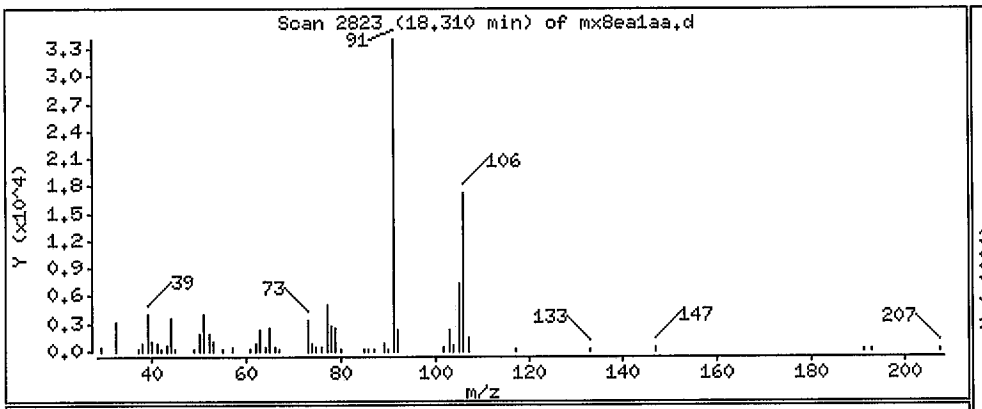
Client ID: 828076-IA-003B1-02 Instrument: mr.i

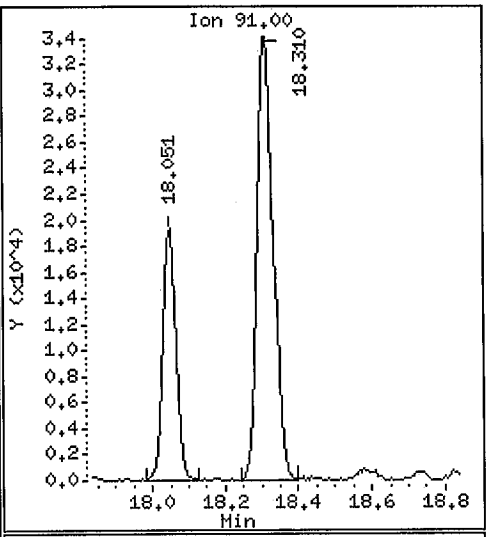
Sample Info: ,,0,,,

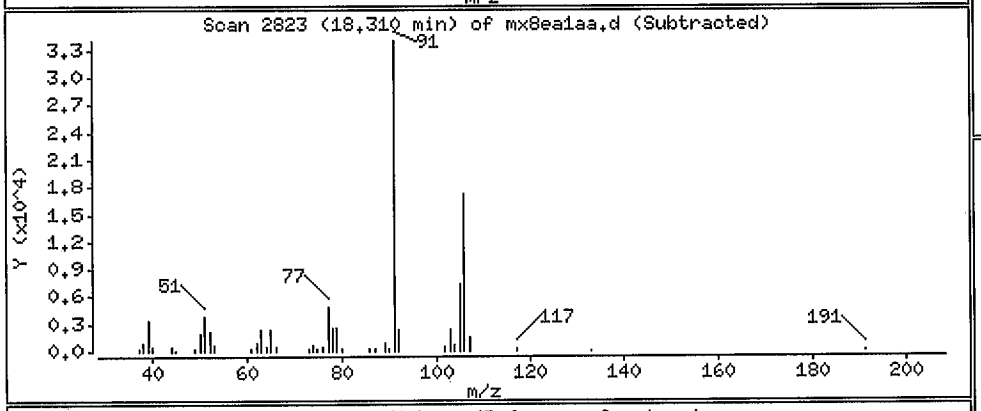
Purge Volume: 500.0 Operator: 403648

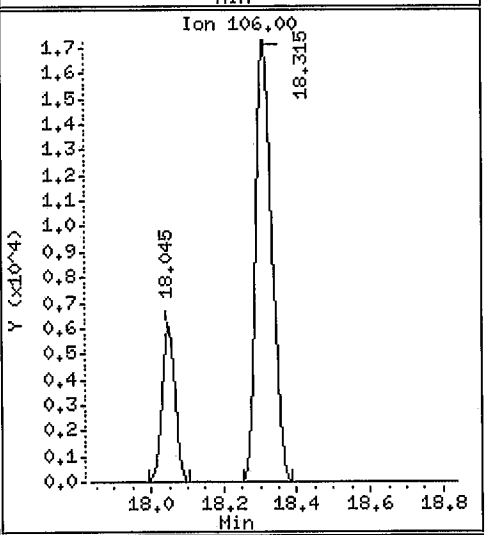
Column phase: Rtx-5 Column diameter: 0.32

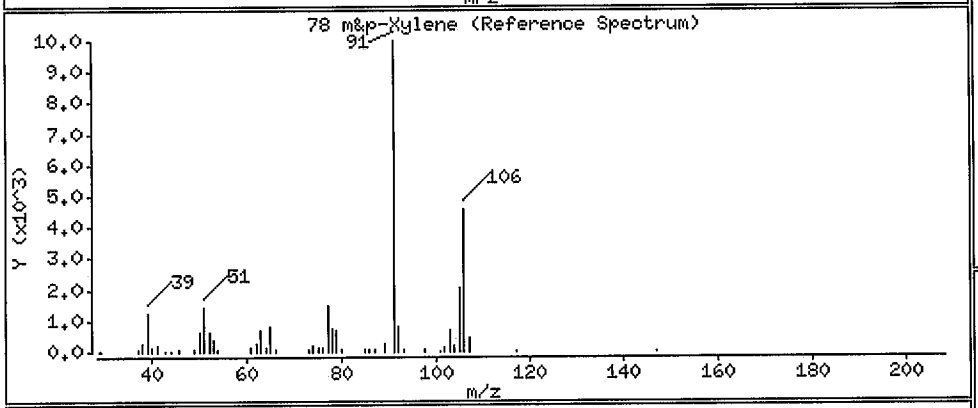
78 m&p-Xylene Concentration: 0.1998 ppb(v/v)

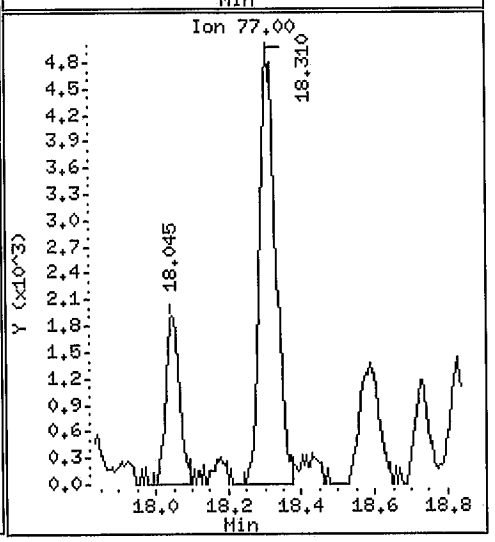


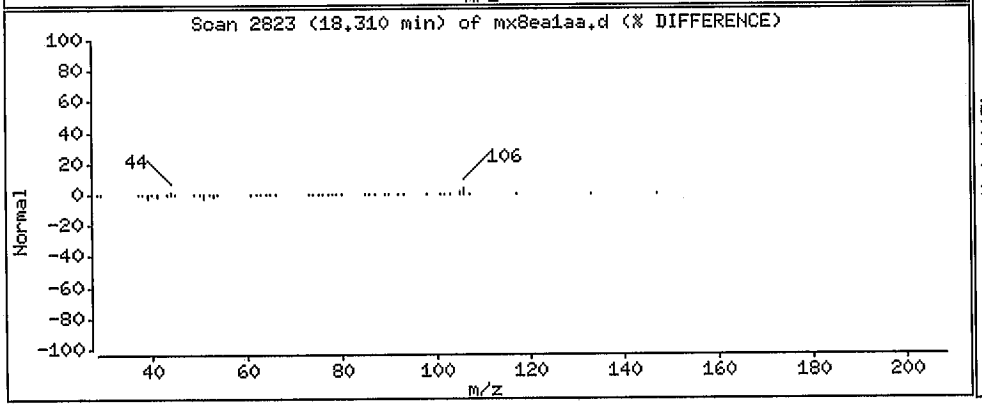












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ea1aa.d

Date : 28-FEB-2013 23:01

Client ID: 828076-IA-003B1-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

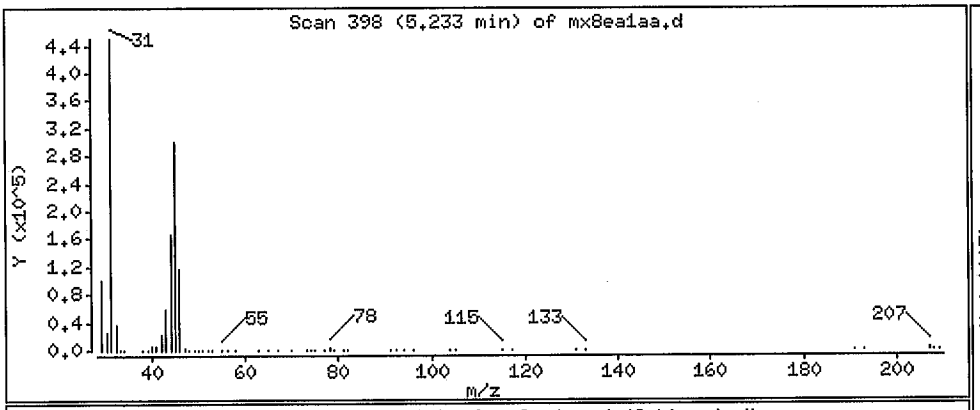
Operator: 403648

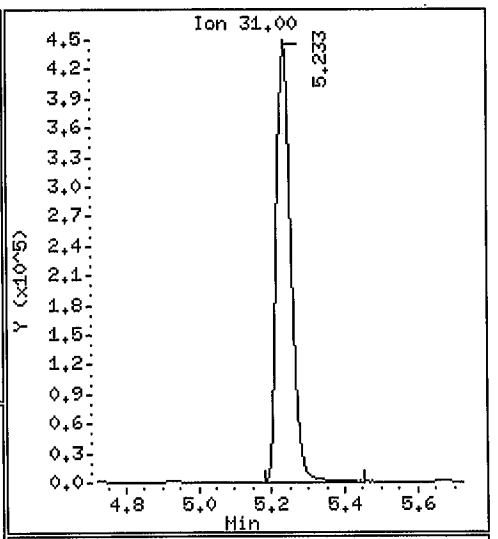
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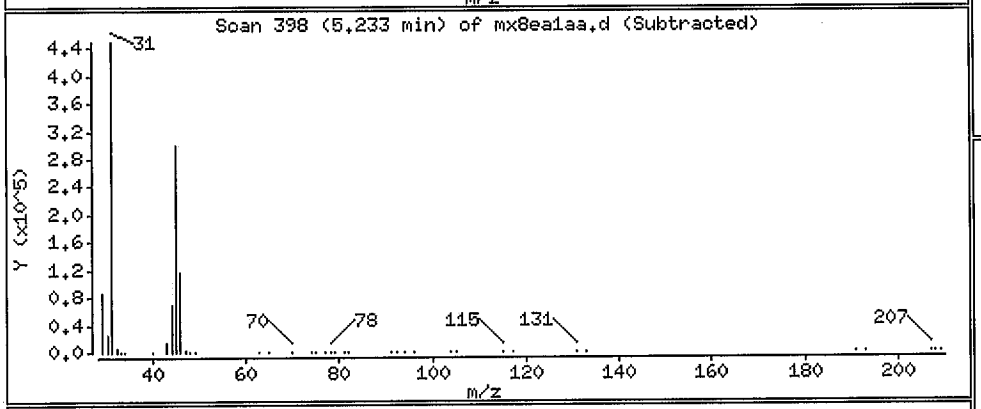
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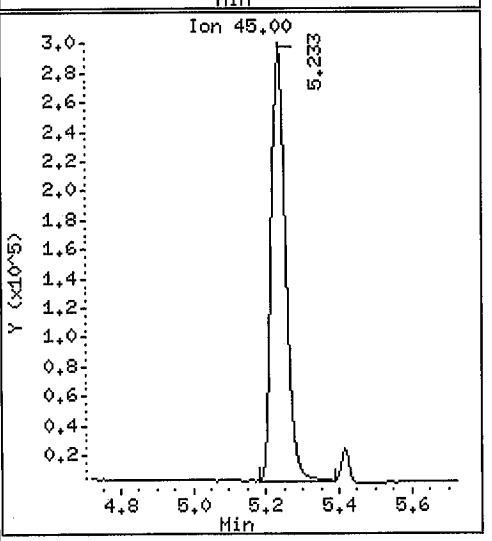
17 ^ ethanol

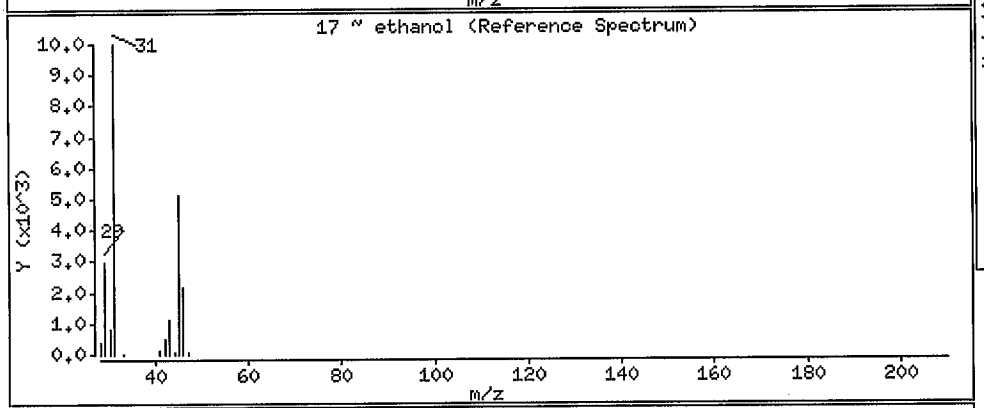
Concentration: 25.39 ppb(v/v)

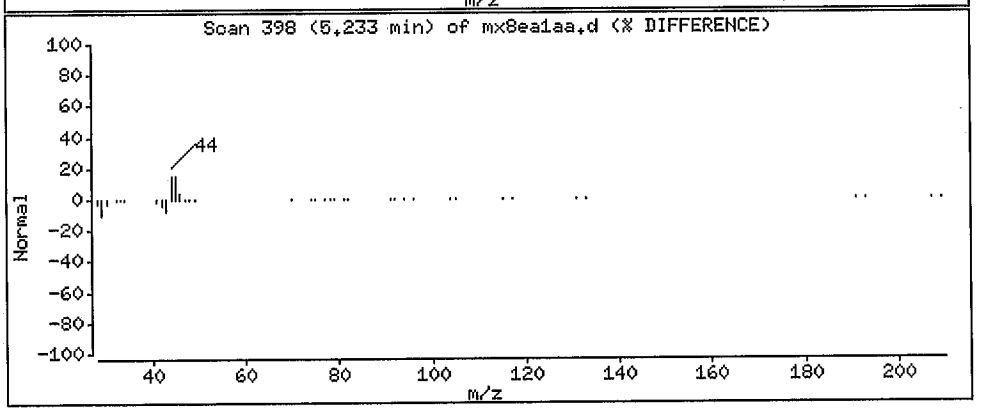












New York State D.E.C.

Client Sample ID: 828076-SS-003B1-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 004 **Work Order #** MX8EC1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/02/2013 **Analysis Date...** 03/03/2013
Prep Batch #.....: 3063014
Dilution Factor.: 25 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	2.0	ND	11
1,1,2,2-Tetrachloroethane	ND	2.0	ND	14
1,1,2-Trichlorotrifluoroethane	ND	2.0	ND	15
1,1,2-Trichloroethane	ND	2.0	ND	11
1,1-Dichloroethane	ND	2.0	ND	8.1
1,1-Dichloroethene	ND	2.0	ND	7.9
1,2,4-Trichlorobenzene	ND	2.0	ND	15
1,2,4-Trimethylbenzene	ND	2.0	ND	9.8
1,2-Dibromoethane (EDB)	ND	2.0	ND	15
1,2-Dichlorobenzene	ND	2.0	ND	12
1,2-Dichloroethane	ND	2.0	ND	8.1
1,2-Dichloropropane	ND	2.0	ND	9.2
1,3,5-Trimethylbenzene	ND	2.0	ND	9.8
1,4-Dichlorobenzene	ND	2.0	ND	12
1,4-Dioxane	ND	5.0	ND	18
2-Butanone (MEK)	ND	8.0	ND	24
1,3-Dichlorobenzene	ND	2.0	ND	12
2,2,4-Trimethylpentane	ND	5.0	ND	23
Benzene	ND	2.0	ND	6.4
Benzyl chloride	ND	4.0	ND	21
Bromodichloromethane	ND	2.0	ND	13
Bromoform	ND	2.0	ND	21
Bromomethane	ND	2.0	ND	7.8
Carbon tetrachloride	ND	1.0	ND	6.3
Chlorobenzene	ND	2.0	ND	9.2
Chloroethane	**2.2**	**2.0**	**5.9**	**5.3**
Chloroform	ND	2.0	ND	9.8
Cyclohexane	ND	5.0	ND	17
Chloromethane	ND	5.0	ND	10
cis-1,2-Dichloroethene	**2.5**	**2.0**	**9.9**	**7.9**
cis-1,3-Dichloropropene	ND	2.0	ND	9.1
Dibromochloromethane	ND	2.0	ND	17
Dichlorodifluoromethane	ND	2.0	ND	9.9
Ethanol	ND	20	ND	38
Ethylbenzene	ND	2.0	ND	8.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND	14
n-Hexane	ND	5.0	ND	18
Hexachlorobutadiene	ND	2.0	ND	21

New York State D.E.C.

Client Sample ID: 828076-SS-003B1-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 004 **Work Order #** MX8EC1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	5.0	ND	20
Methyl tert-butyl ether	ND	4.0	ND	14
Methylene chloride	ND	5.0	ND	17
Styrene	ND	2.0	ND	8.5
tert-Butyl alcohol	ND	8.0	ND	24
Tetrachloroethene	**3.6**	**2.0**	**24**	**14**
Toluene	ND	2.0	ND	7.5
m-Xylene & p-Xylene	**2.3**	**2.0**	**10**	**8.7**
o-Xylene	ND	2.0	ND	8.7
trans-1,2-Dichloroethene	ND	2.0	ND	7.9
trans-1,3-Dichloropropene	ND	2.0	ND	9.1
Trichloroethene	**110**	**1.0**	**600**	**5.4**
Trichlorofluoromethane	ND	2.0	ND	11
Vinyl chloride	ND	2.0	ND	5.1

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	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/mg.i/G030213.b/mx8ec1aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d
Lab Smp Id: MX8EC1AA Client Smp ID: 828076-SS-003B1-02
Inj Date : 03-MAR-2013 03:46
Operator : 403648 Inst ID: mg.i
Smp Info : ,25,0,,,
Misc Info : G030213,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030213.b/TO15.m
Meth Date : 04-Mar-2013 09:32 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 15
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	25.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.575	7.581	(1.000)	423629	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.646	9.651	(1.000)	1915752	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.585	14.591	(1.000)	1739347	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.279	16.284	(1.116)	1183375	3.83719	3.837
	16 Chloroethane	64	4.151	4.151	(0.548)	4443	0.08872	2.218
	41 cis 1,2-Dichloroethene	96	7.290	7.295	(0.962)	13922	0.09980	2.495
	56 Trichloroethene	130	10.363	10.363	(1.074)	891831	4.43651	110.9
	73 Tetrachloroethene	129	13.707	13.712	(0.940)	26063	0.14421	3.605
	78 m&p-Xylene	91	15.098	15.103	(1.035)	41142	0.09323	2.331

Data File: /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8ec1aa.d
Lab Smp Id: MX8EC1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

Calibration Date: 02-MAR-2013
Calibration Time: 13:15
Client Smp ID: 828076-SS-003B1-02
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	347074	206509	487639	423629	22.06
2 1,4-Difluorobenze	1570764	934605	2206923	1915752	21.96
3 Chlorobenzene-d5	1425721	848304	2003138	1739347	22.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	-0.07
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	-0.04

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.

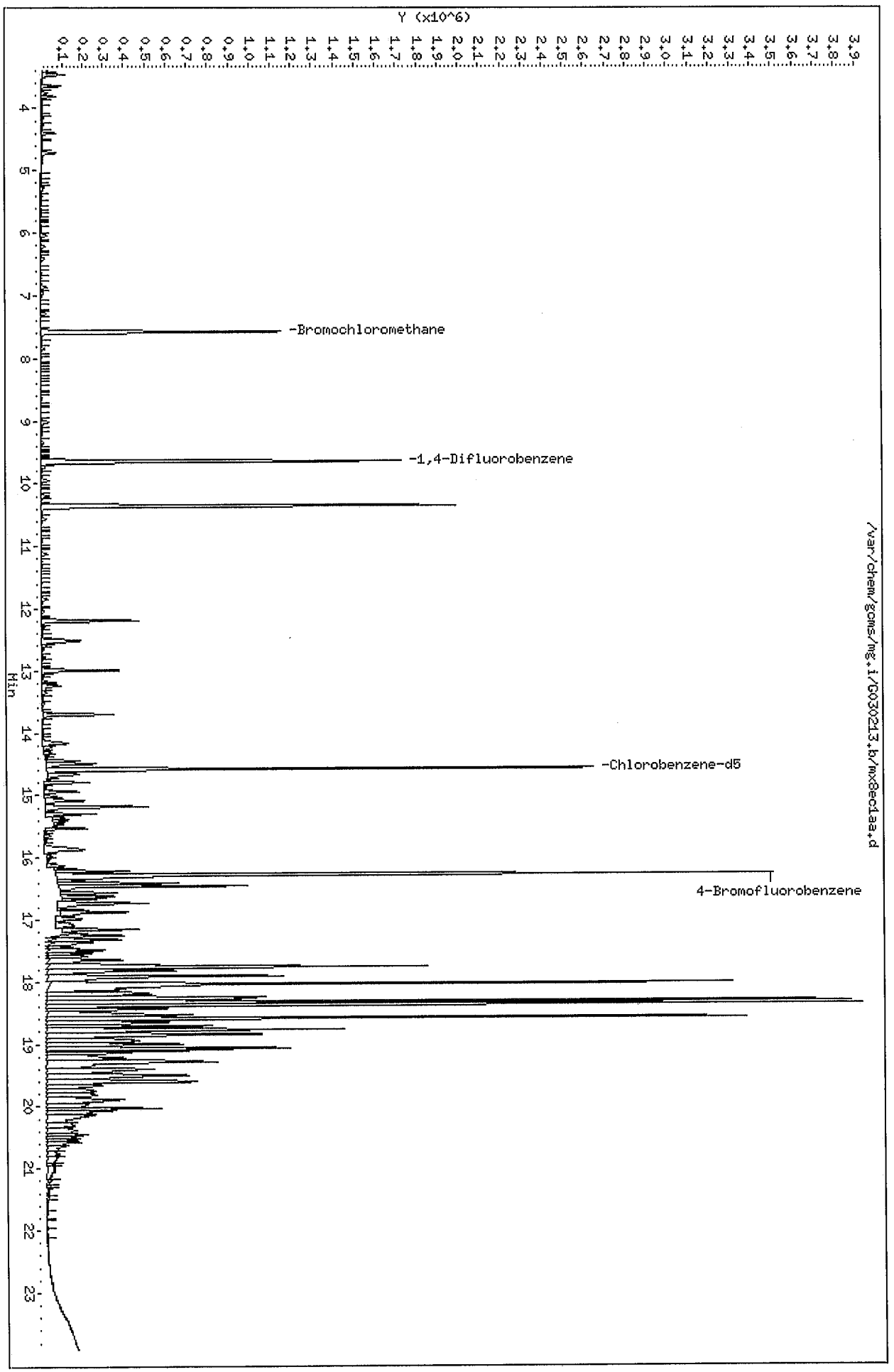
Data File: /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EC1AA Client Smp ID: 828076-SS-003B1-02
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.837	95.93	60-140


Data File: /var/chem/gcms/mg.i/G030213.b/mx8ecl1aa.d
Date : 03-MAR-2013 03:46
Client ID: 828076-SS-003B1-02
Sample Info: ,25,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene
/var/chem/gcms/mg.i/G030213.b/mx8ecl1aa.d

Data File: /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d

Date : 03-MAR-2013 03:46

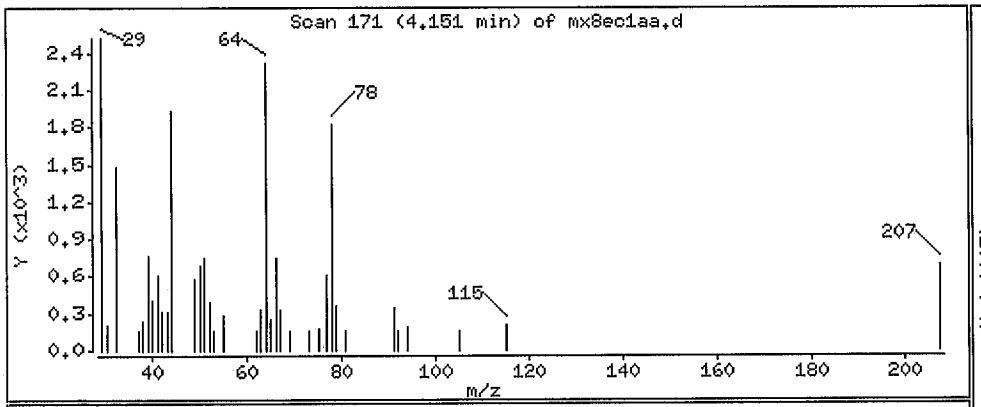
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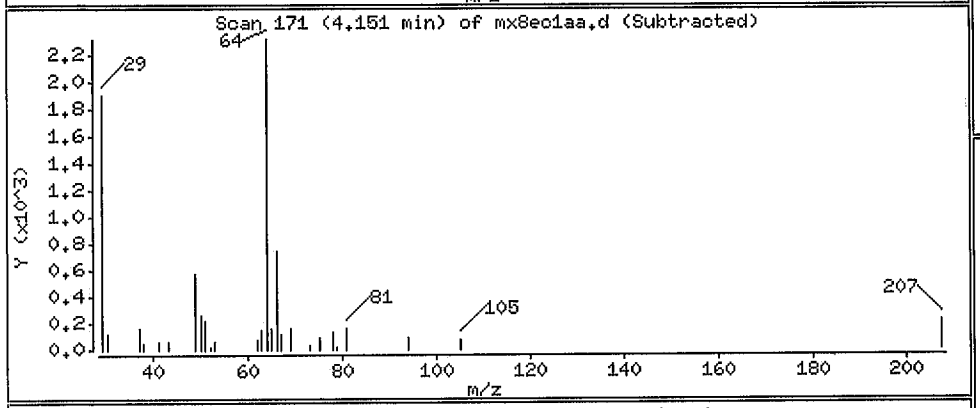
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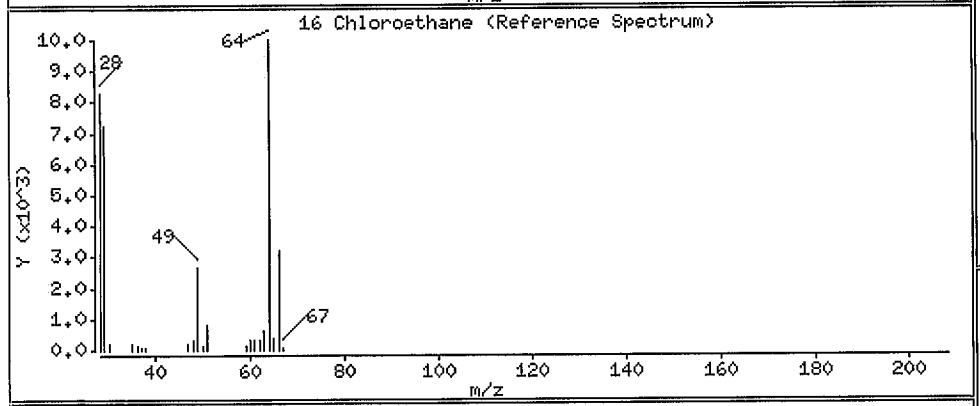
Purge Volume: 500.0 Operator: 403648

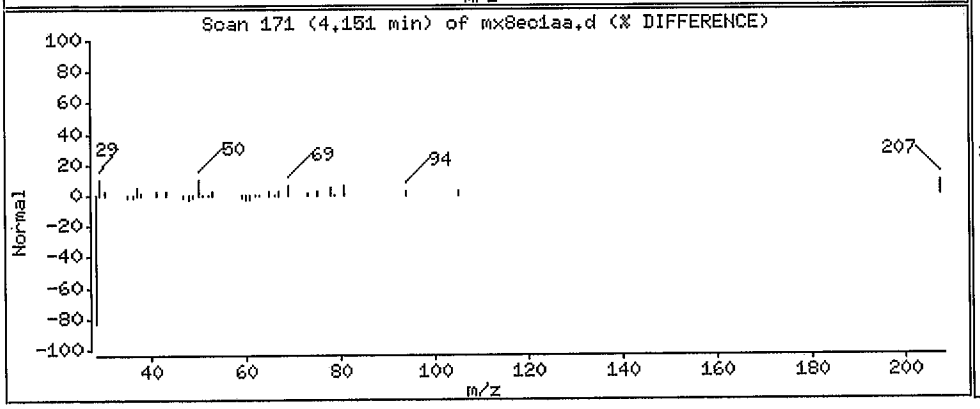
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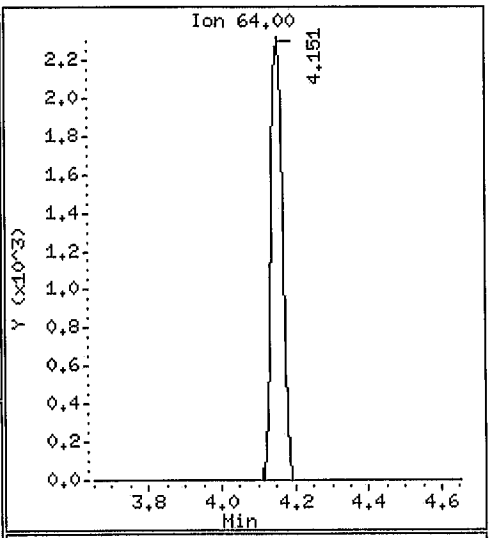
16 Chloroethane Concentration: 2.218 ppb(v/v)

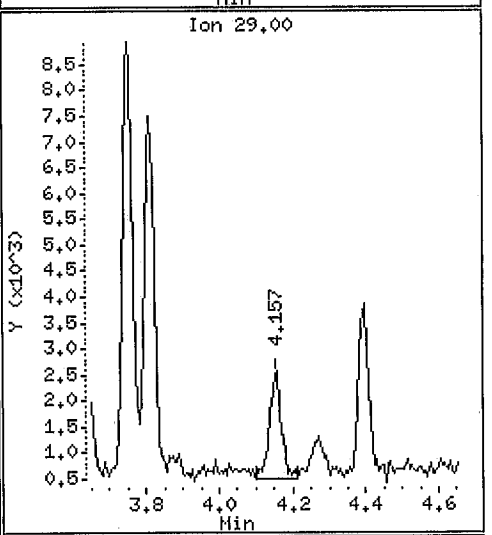


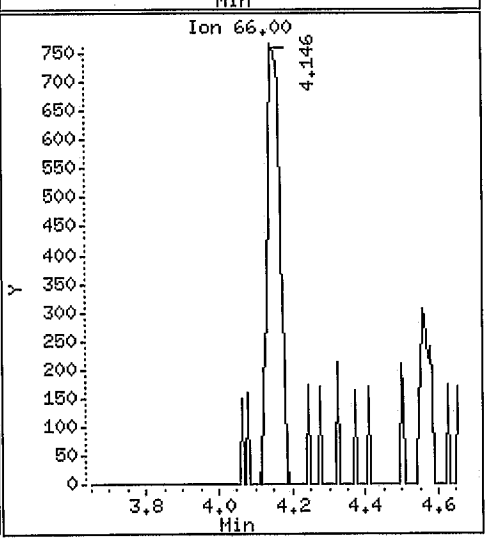












Data File: /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d

Date : 03-MAR-2013 03:46

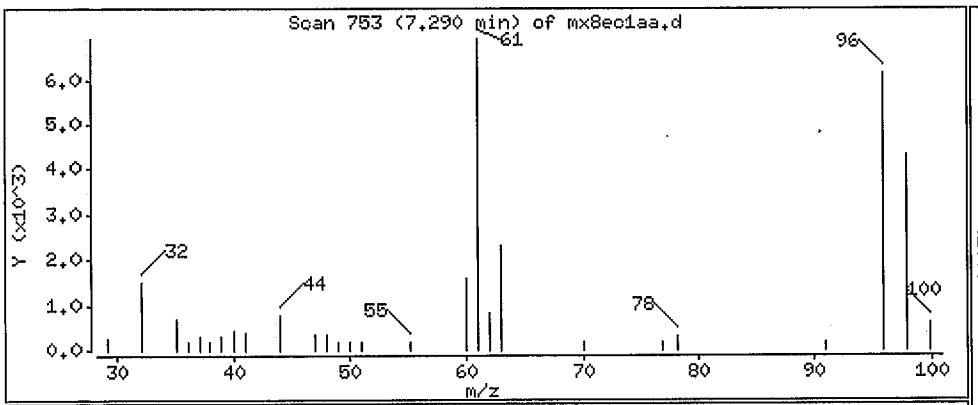
Client ID: 828076-SS-003B1-02 Instrument: mg.i

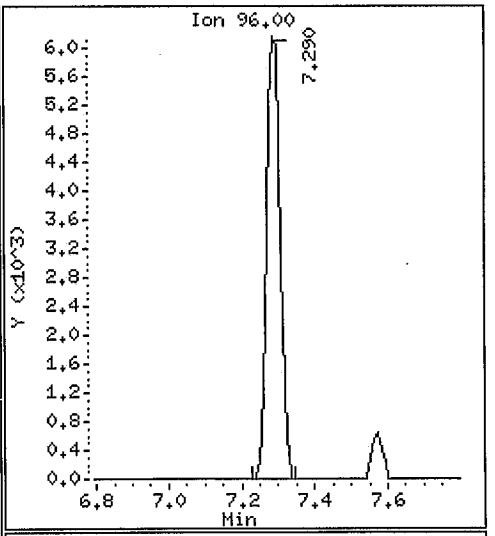
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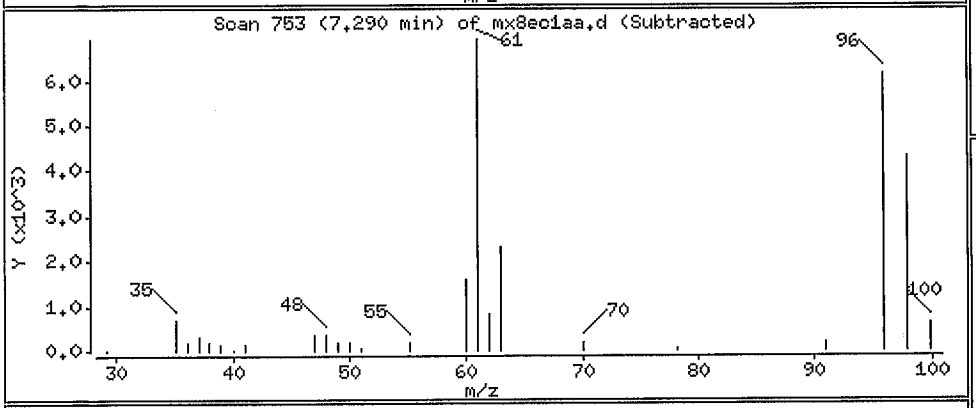
Purge Volume: 500.0 Operator: 403648

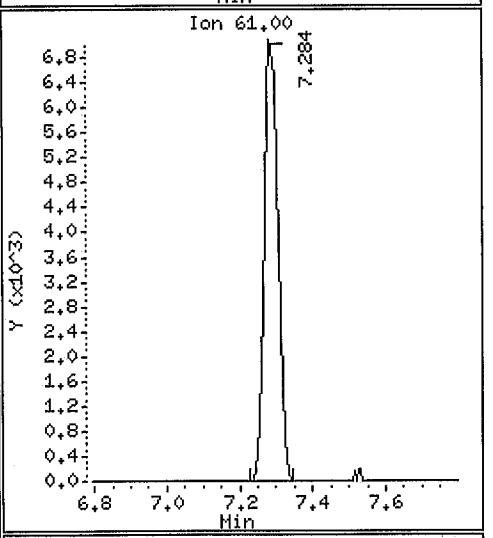
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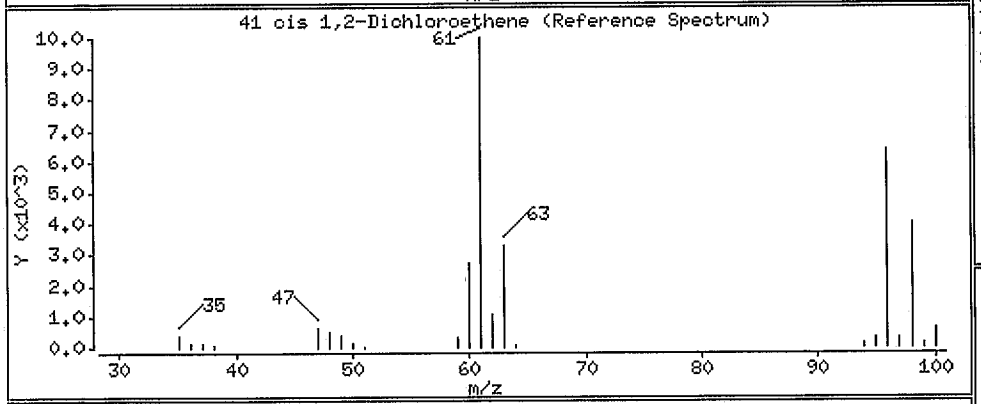
41 cis 1,2-Dichloroethene Concentration: 2.495 ppb(v/v)

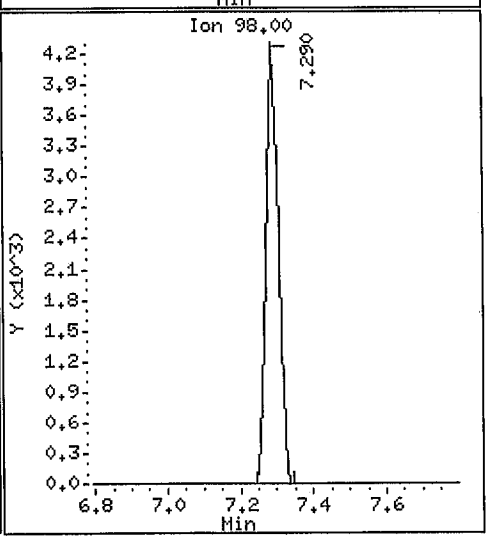


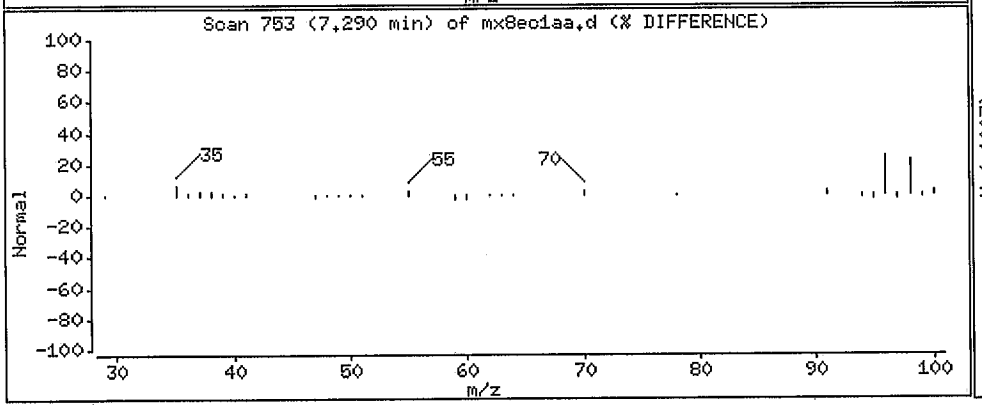












Data File: /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d

Date : 03-MAR-2013 03:46

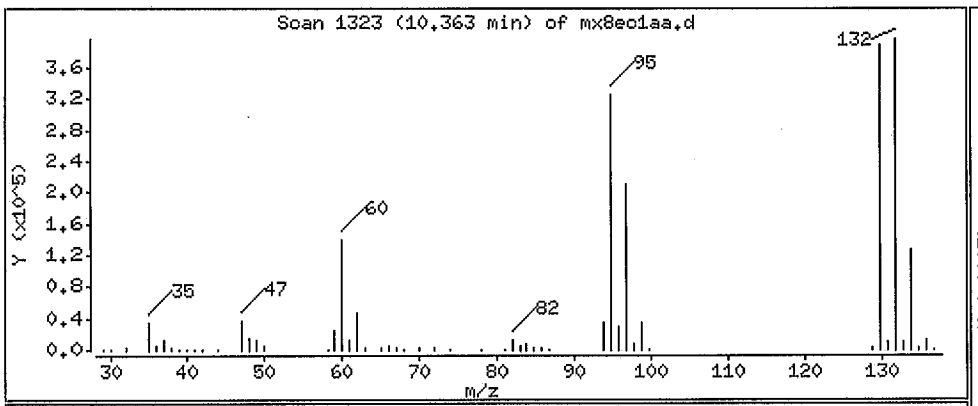
Client ID: 828076-SS-003B1-02 Instrument: mg.i

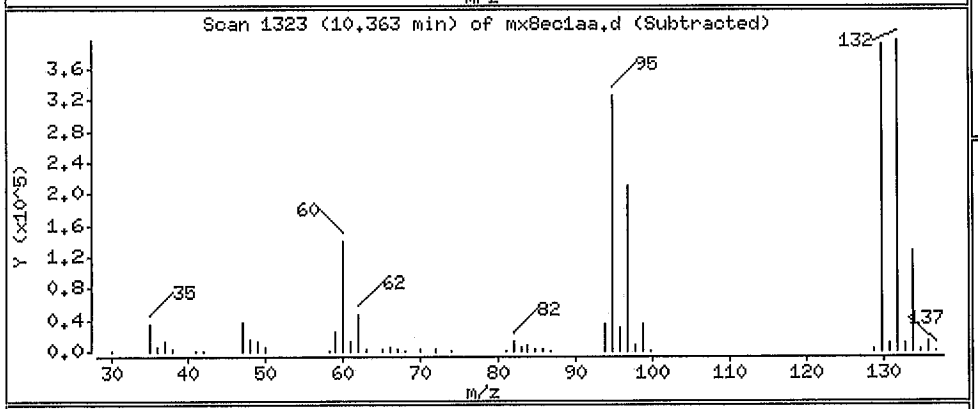
Sample Info: ,25,0,,,

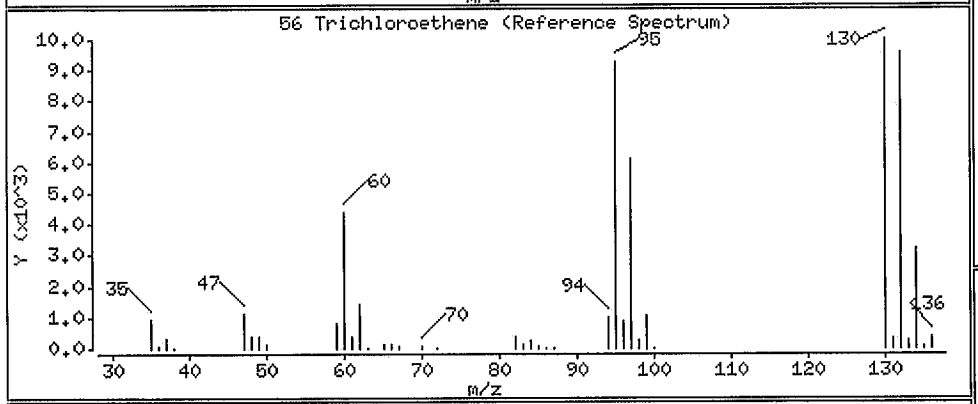
Purge Volume: 500.0 Operator: 403648

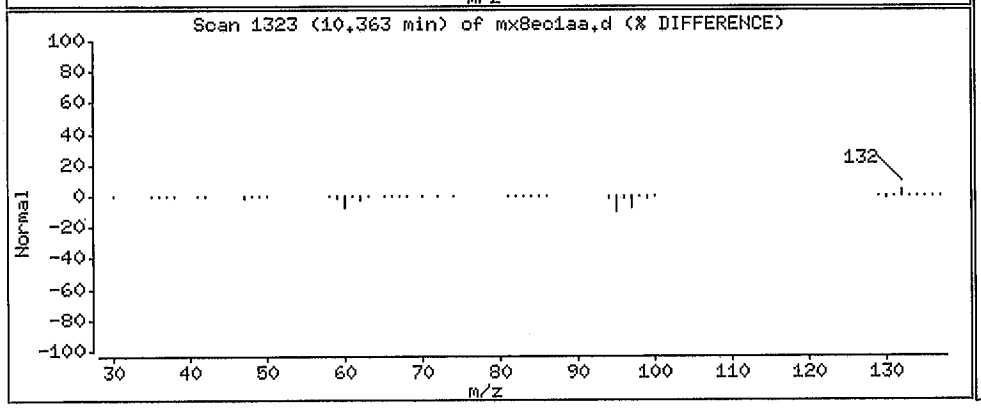
Column phase: Rtx-5 Column diameter: 0.32

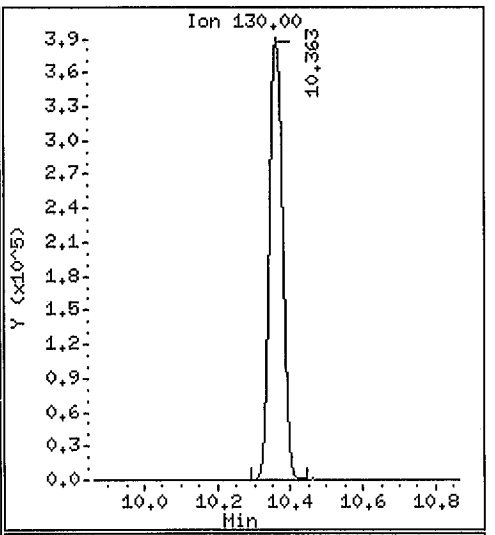
56 Trichloroethene Concentration: 110.9 ppb(v/v)

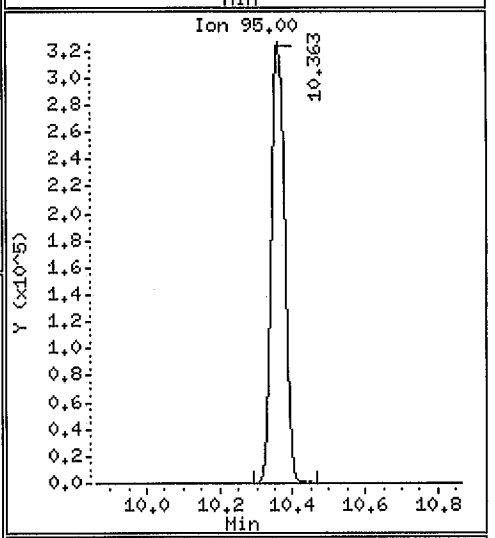


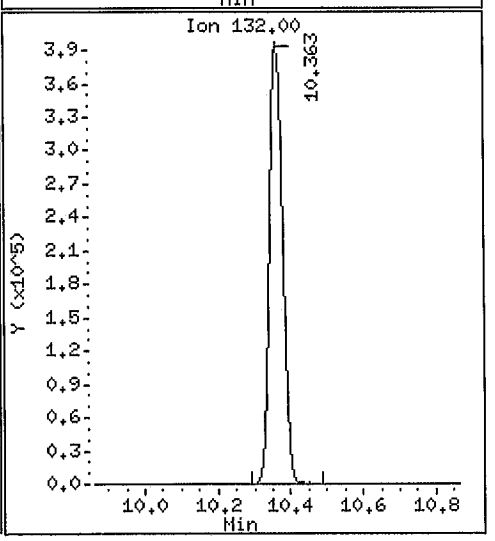












Data File: /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d

Date : 03-MAR-2013 03:46

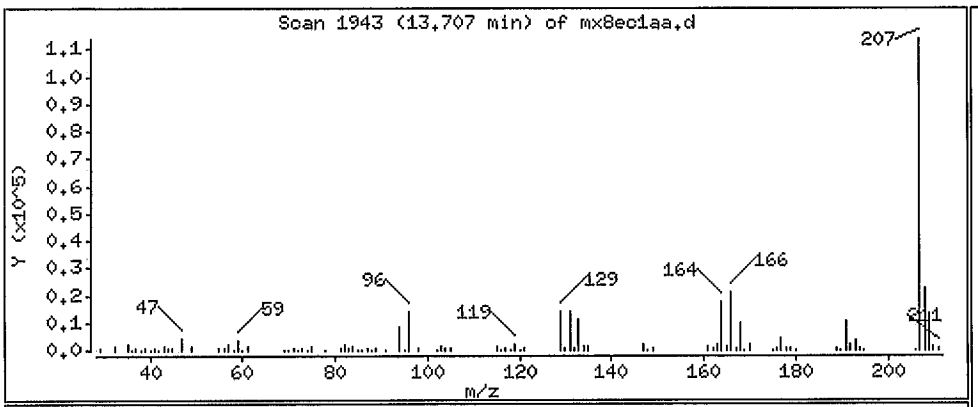
Client ID: 828076-SS-003B1-02 Instrument: mg.i

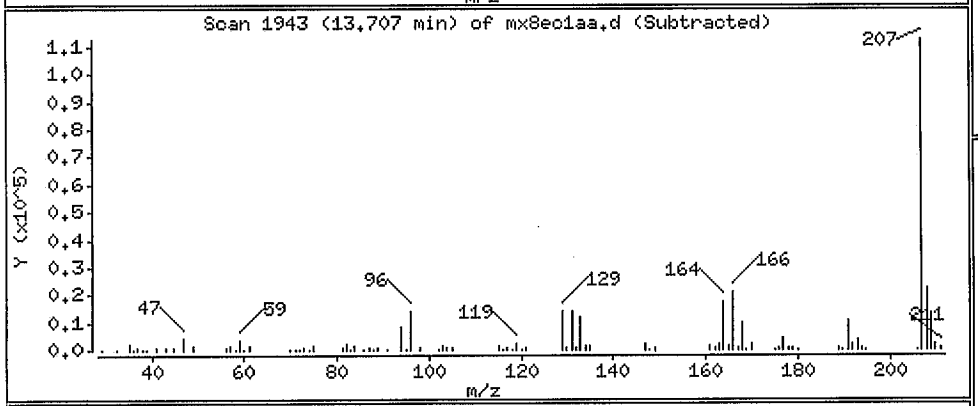
Sample Info: ,25,0,,,

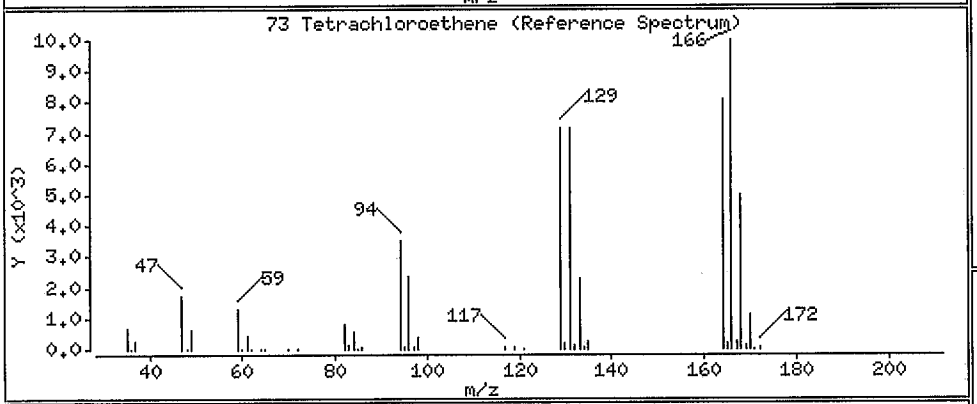
Purge Volume: 500.0 Operator: 403648

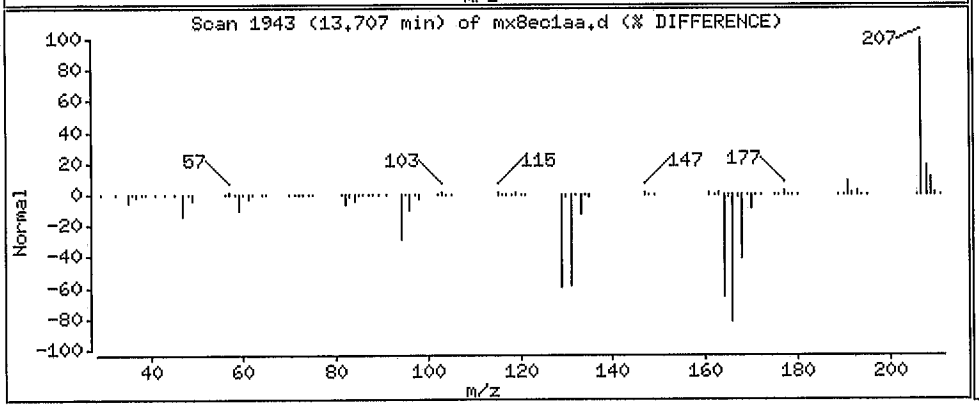
Column phase: Rtx-5 Column diameter: 0.32

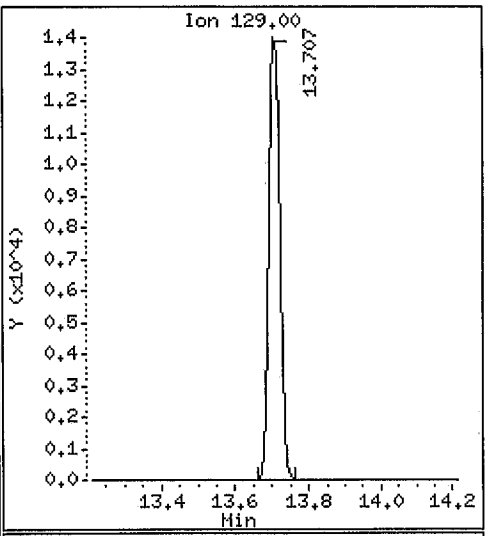
73 Tetrachloroethene Concentration: 3.605 ppb(v/v)

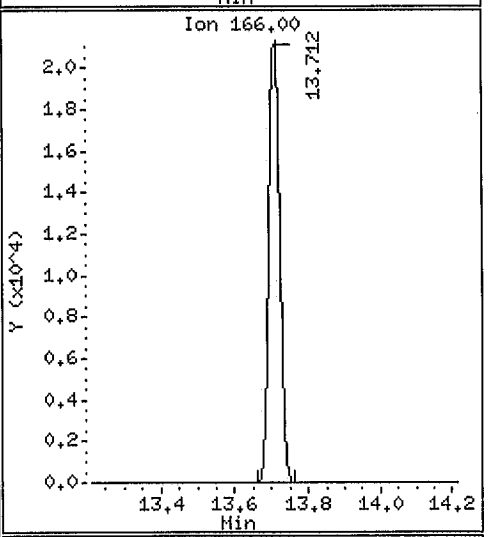


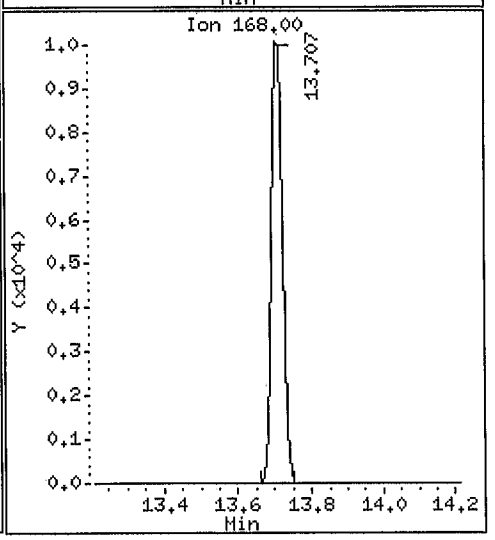












Data File: /var/chem/gcms/mg.i/G030213.b/mx8ec1aa.d

Date : 03-MAR-2013 03:46

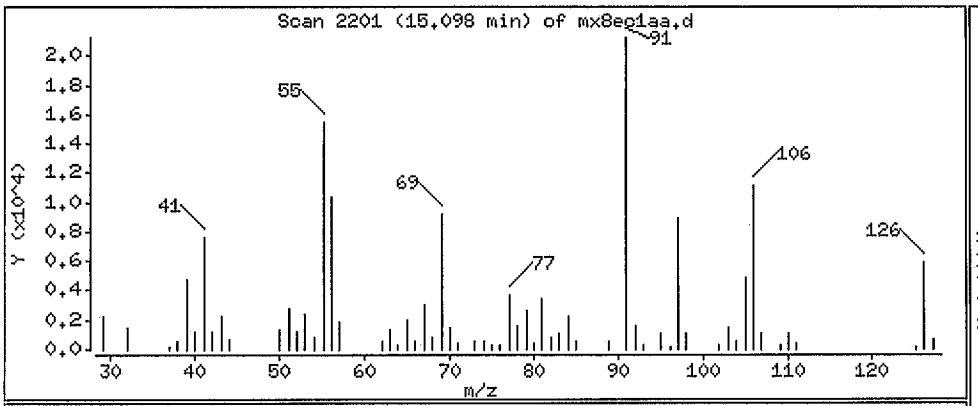
Client ID: 828076-SS-003B1-02 Instrument: mg.i

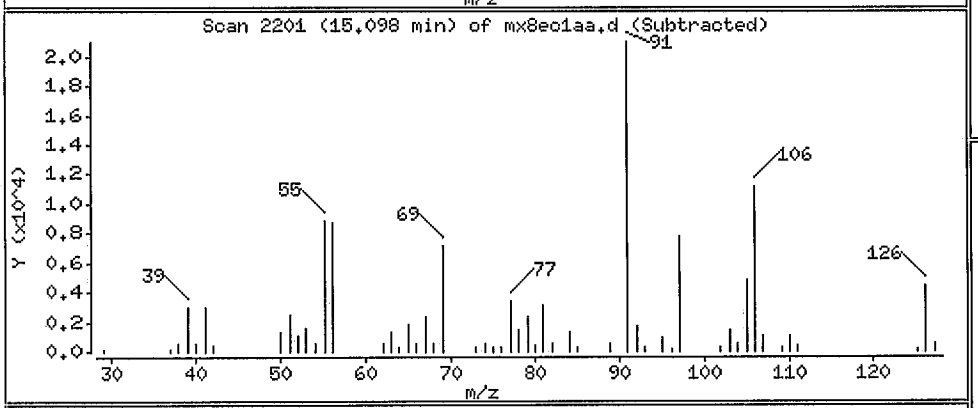
Sample Info: ,25,0,,,

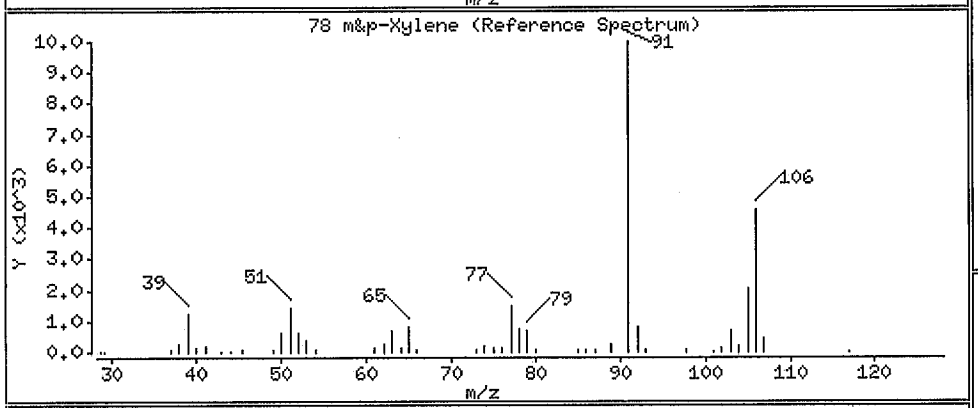
Purge Volume: 500.0 Operator: 403648

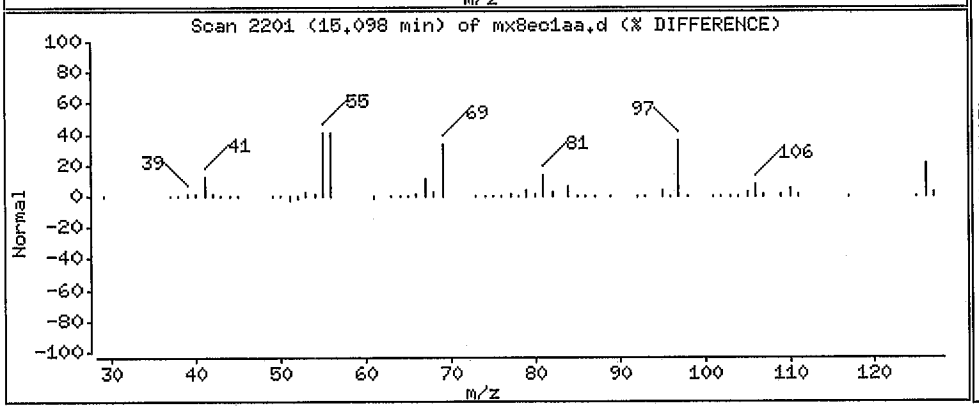
Column phase: Rtx-5 Column diameter: 0.32

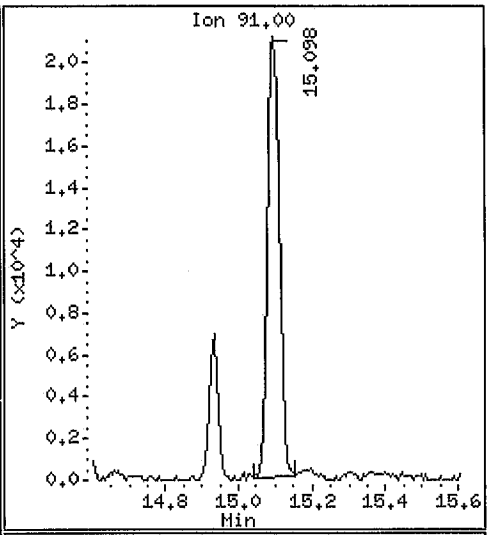
78 m&p-Xylene Concentration: 2.331 ppb(v/v)

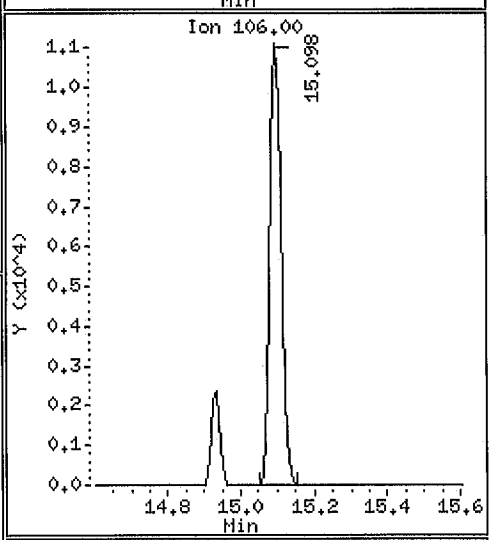


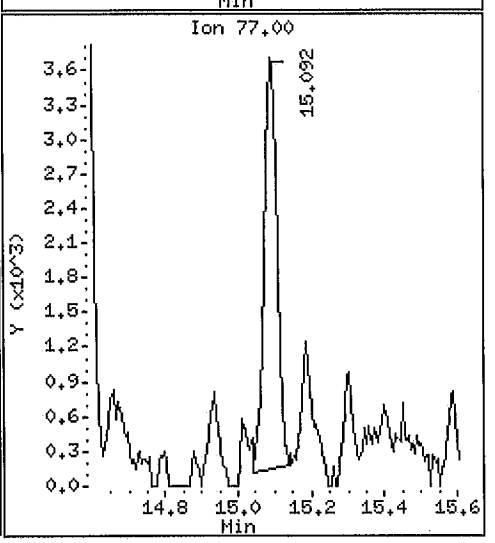












New York State D.E.C.

Client Sample ID: 828076-IA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 005 **Work Order #** MX8ED1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 02/28/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	**0.33**	**0.080**	**1.8**	**0.44**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.37**	**0.080**	**1.8**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.097**	**0.080**	**0.48**	**0.39**
1,4-Dichlorobenzene	**0.12**	**0.080**	**0.75**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**1.3**	**0.32**	**4.0**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.75**	**0.20**	**3.5**	**0.93**
Benzene	**0.40**	**0.080**	**1.3**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.080**	**0.040**	**0.50**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	**0.38**	**0.20**	**1.3**	**0.69**
Chloromethane	**0.54**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
Ethanol	**44**	**0.80**	**83**	**1.5**
Ethylbenzene	**0.38**	**0.080**	**1.7**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**1.1**	**0.20**	**3.8**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

New York State D.E.C.

Client Sample ID: 828076-IA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 005 **Work Order #** MX8ED1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.77**	**0.20**	**2.7**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.098**	**0.080**	**0.67**	**0.54**
Toluene	**2.2**	**0.080**	**8.2**	**0.30**
m-Xylene & p-Xylene	**1.2**	**0.080**	**5.3**	**0.35**
o-Xylene	**0.47**	**0.080**	**2.0**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.25**	**0.040**	**1.4**	**0.21**
Trichlorofluoromethane	**0.30**	**0.080**	**1.7**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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/mr.i/R022813.b/mx8ed1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d
Lab Smp Id: MX8ED1AA Client Smp ID: 828076-IA-003B2-01
Inj Date : 28-FEB-2013 23:53
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.094	9.088	(1.000)	371911	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1885739	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.474	17.495	(1.000)	1446454	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.208	20.224	(1.156)	1037242	4.09584	4.096
	7 Dichlorodifluoromethane	85	4.230	4.241	(0.465)	158350	0.40859	0.4086
	8 Chloromethane	52	4.408	4.419	(0.485)	25750	0.54356	0.5436
	20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	112433	0.29860	0.2986
	31 Methylene Chloride	84	6.678	6.656	(0.734)	103576	0.77295	0.7729
	33 Carbon Disulfide	76	6.829	6.824	(0.751)	7373	0.01723	0.01723
	40 Hexane	56	8.420	8.414	(0.926)	139383	1.09076	1.091
	39 2-Butanone	72	8.350	8.344	(0.918)	100733	1.34902	1.349
	44 Tetrahydrofuran	42	9.498	9.498	(1.044)	282366	1.67929	1.679
	45 1,1,1-Trichloroethane	97	10.118	10.113	(1.113)	95222	0.32847	0.3285
	49 Cyclohexane	69	10.728	10.722	(0.952)	28218	0.38116	0.3812
	48 Benzene	78	10.706	10.706	(0.950)	192029	0.40230	0.4023
	50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	19769	0.08017	0.08017

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d
Report Date: 01-Mar-2013 11:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53	2,2,4-trimethylpentane	57	11.547	11.547	(1.024)	576782	0.74600	0.7460
54	Heptane	71	11.968	11.968	(1.062)	64536	0.38530	0.3853
56	Trichloroethene	130	12.065	12.070	(1.070)	53723	0.25302	0.2530
65	Toluene	91	14.632	14.632	(0.837)	1307372	2.17841	2.178
73	Tetrachloroethene	129	16.244	16.244	(0.930)	20915	0.09839	0.09839
76	Ethylbenzene	91	18.040	18.067	(1.032)	286695	0.38040	0.3804
78	m&p-Xylene	91	18.304	18.336	(1.048)	712495	1.22463	1.225
82	o-Xylene	91	19.172	19.194	(1.097)	281606	0.46916	0.4692
86	Cumene	105	20.191	20.207	(1.156)	69254	0.07986	0.07986
87	n-Propylbenzene	120	21.151	21.167	(1.210)	16967	0.06824	0.06824
89	4-Ethyltoluene	105	21.437	21.453	(1.227)	93172	0.10488	0.1049
90	1,3,5-Trimethylbenzene	120	21.593	21.609	(1.236)	40841	0.09746	0.09746
94	1,2,4-Trimethylbenzene	105	22.429	22.445	(1.284)	271037	0.36969	0.3697
98	1,4-Dichlorobenzene	146	23.103	23.114	(1.322)	62309	0.12481	0.1248
17	~ ethanol	31	5.233	5.222	(0.575)	2241354	43.9420	43.94

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8ed1aa.d
Lab Smp Id: MX8ED1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B2-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	371911	-14.96
2 1,4-Difluorobenze	2178721	1296339	3061103	1885739	-13.45
3 Chlorobenzene-d5	1632809	971521	2294097	1446454	-11.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.47	-0.12

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/mr.i/R022813.b/mx8ed1aa.d
Report Date: 01-Mar-2013 11:07

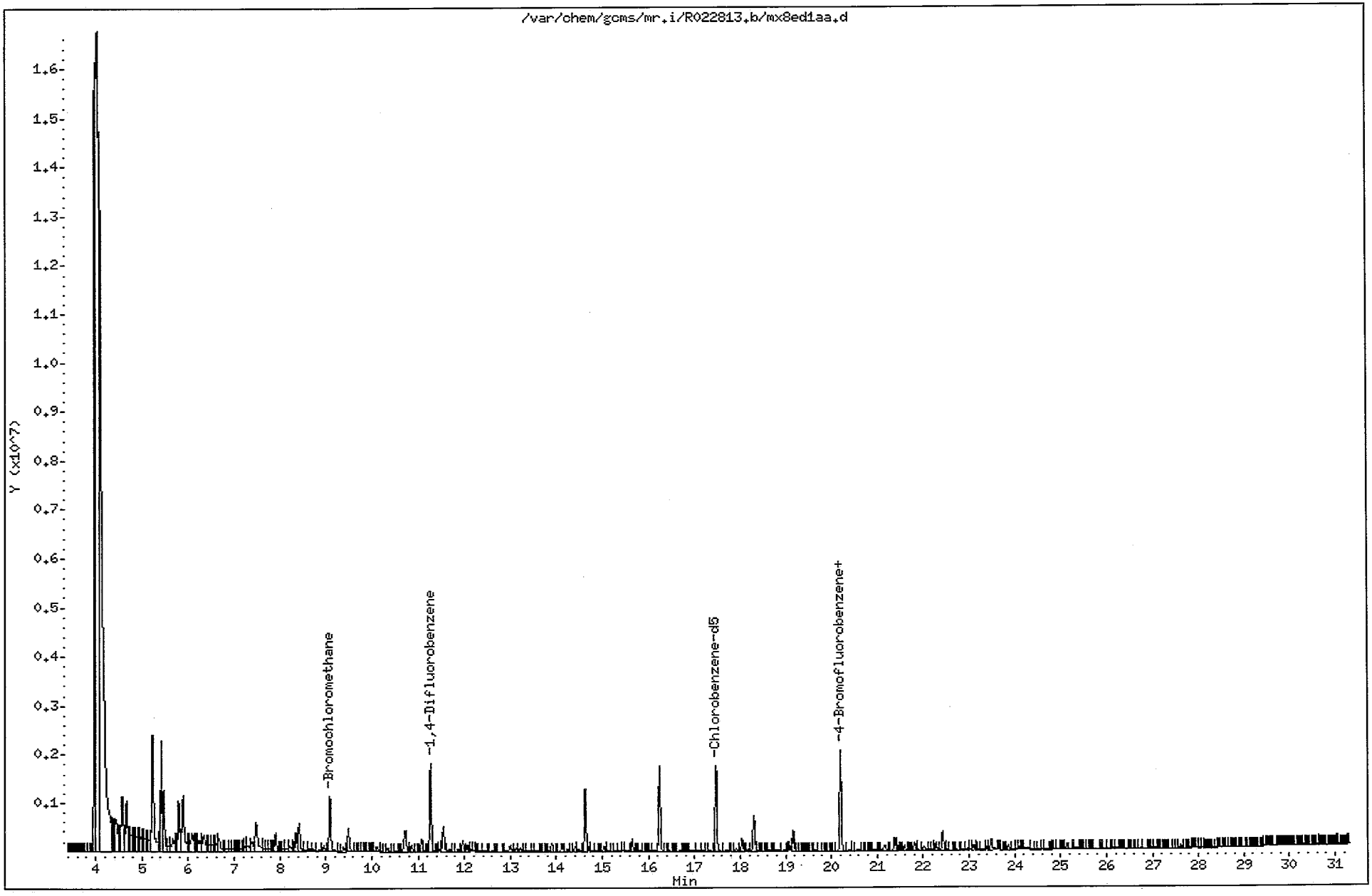
TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8ED1AA Client Smp ID: 828076-IA-003B2-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.096	102.40	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d
Date : 28-FEB-2013 23:53
Client ID: 828076-IA-003B2-01
Instrument: mr.i
Sample Info: ,,0,,,
Purge Volume: 500.0
Operator: 403648
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

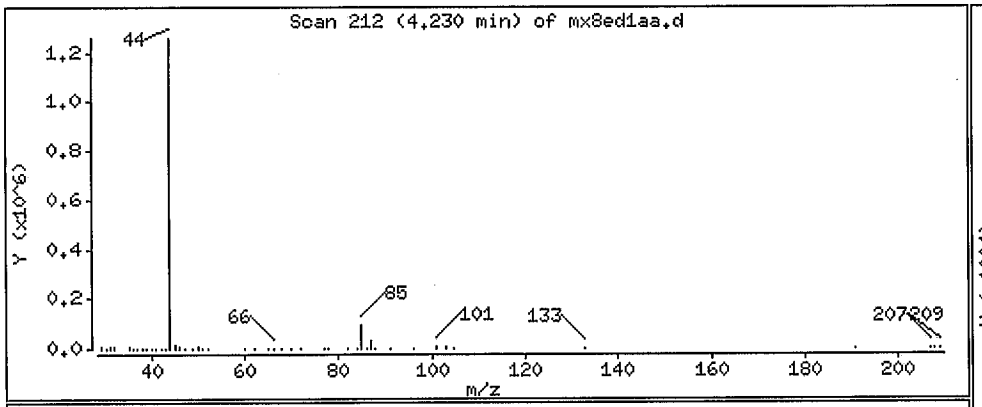
Client ID: 828076-IA-003B2-01 Instrument: mr.i

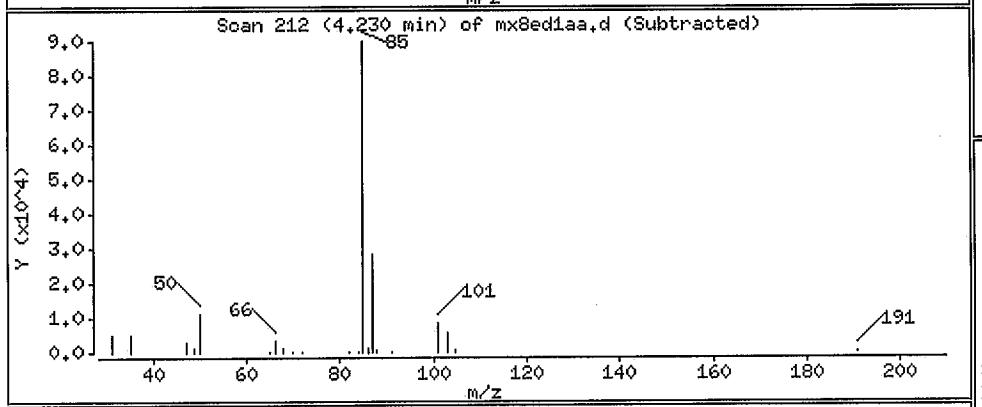
Sample Info: ,,0,,,

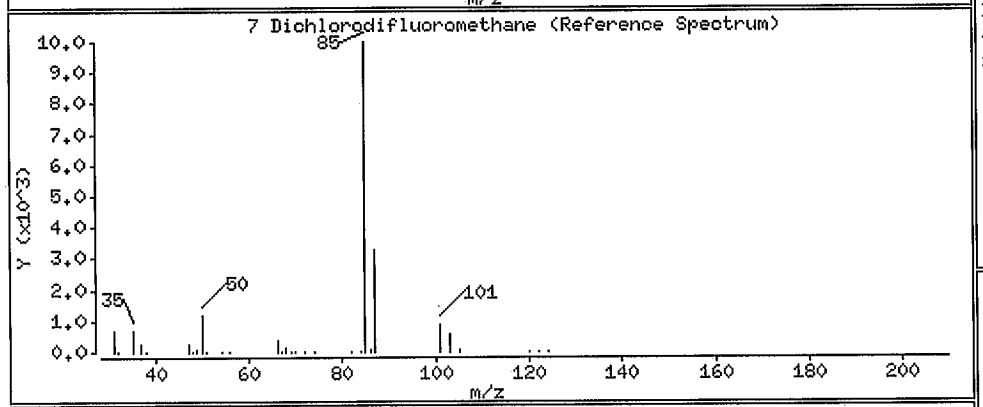
Purge Volume: 500.0 Operator: 403648

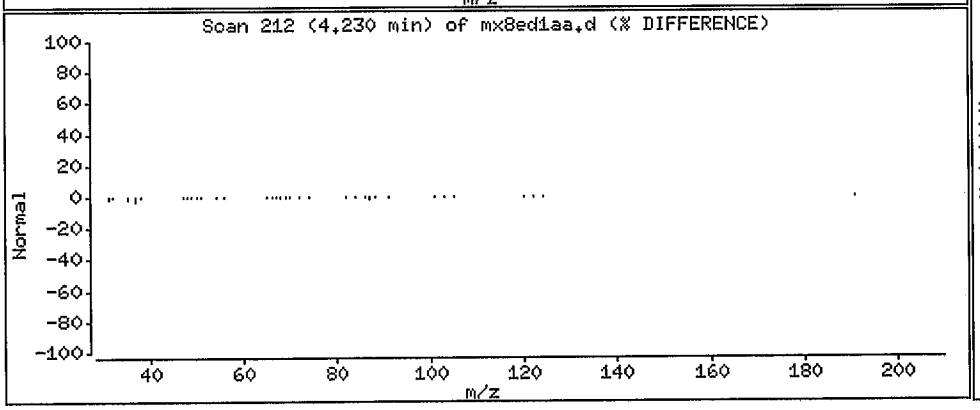
Column phase: Rtx-5 Column diameter: 0.32

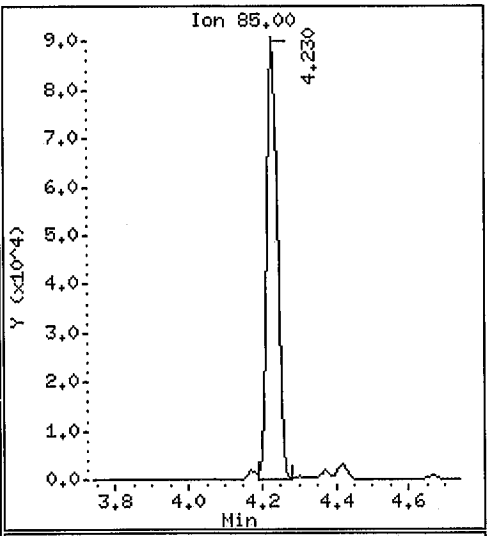
7 Dichlorodifluoromethane Concentration: 0.4086 ppb(v/v)

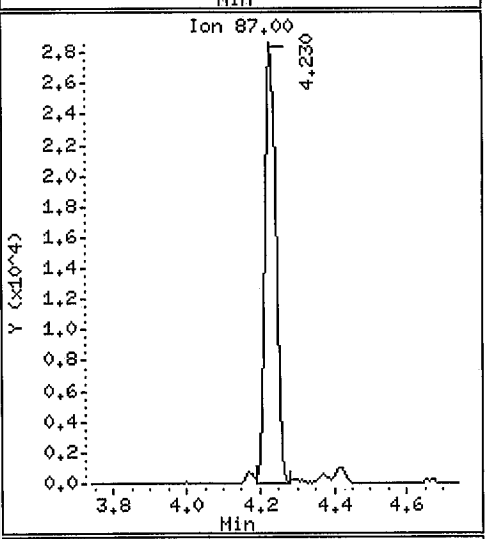


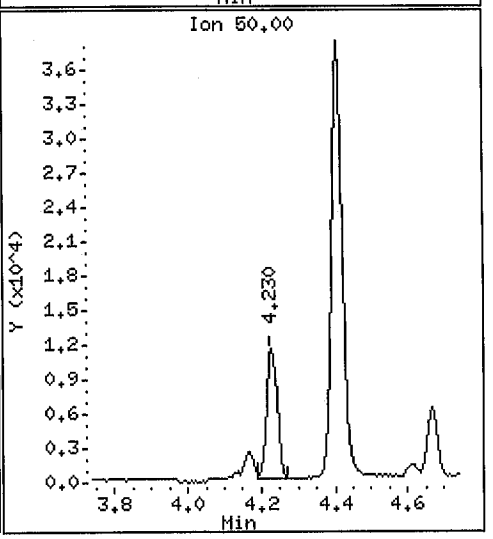












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

Client ID: 828076-IA-003B2-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

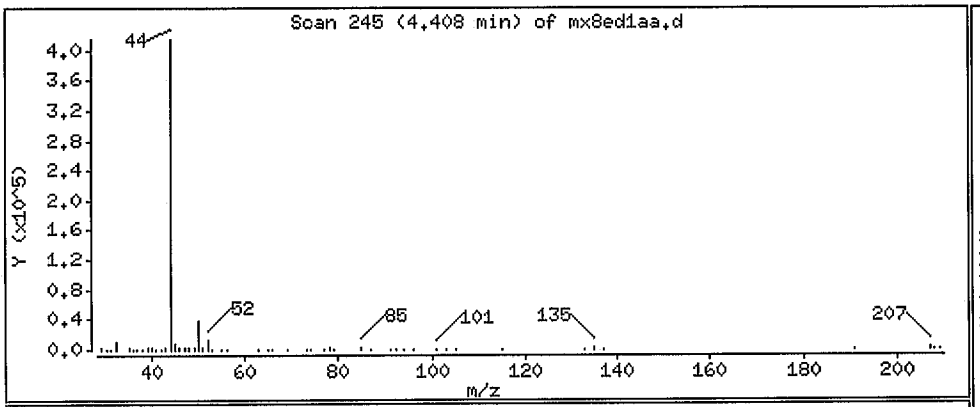
Operator: 403648

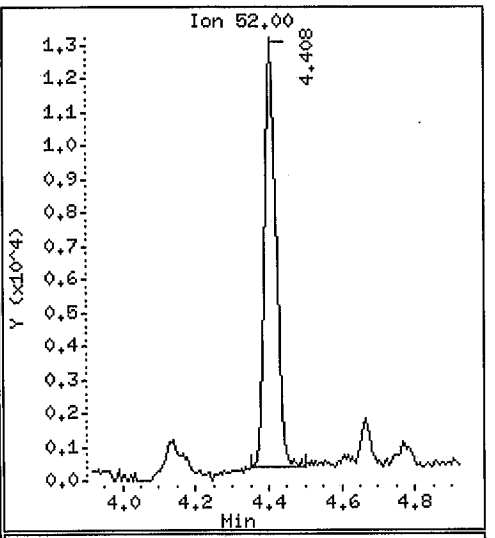
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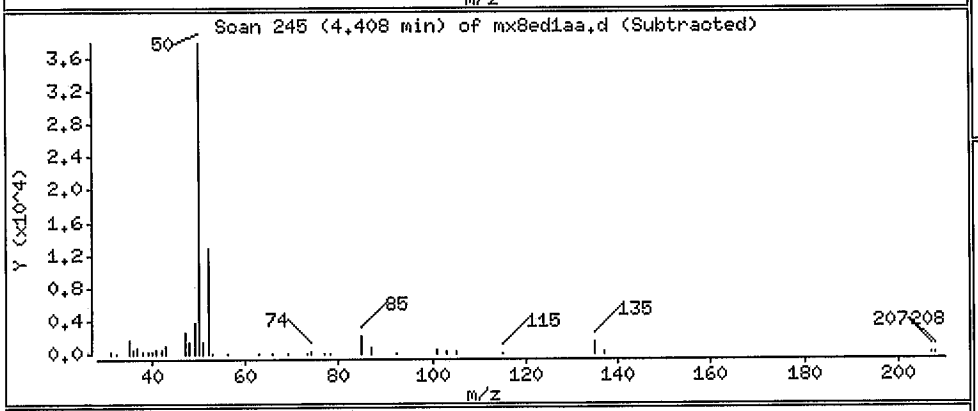
Column diameter: 0.32

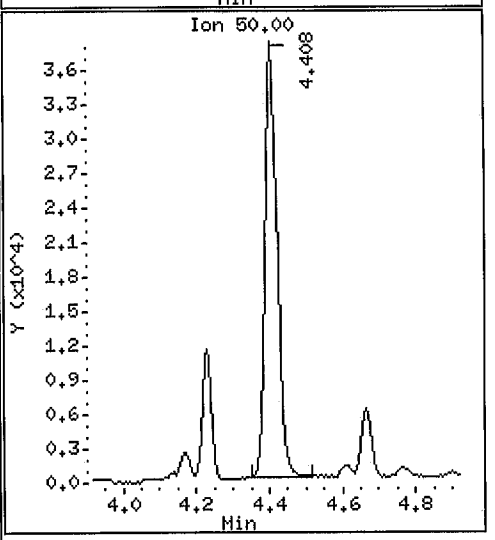
8 Chloromethane

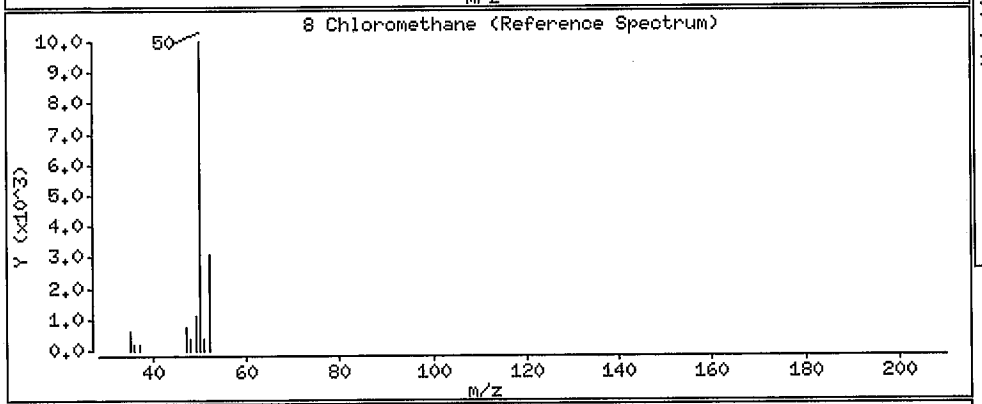
Concentration: 0.5436 ppb(v/v)

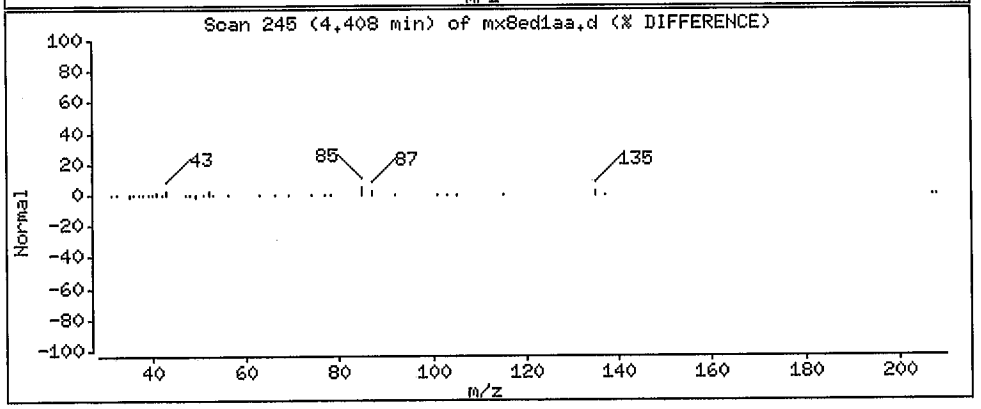












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

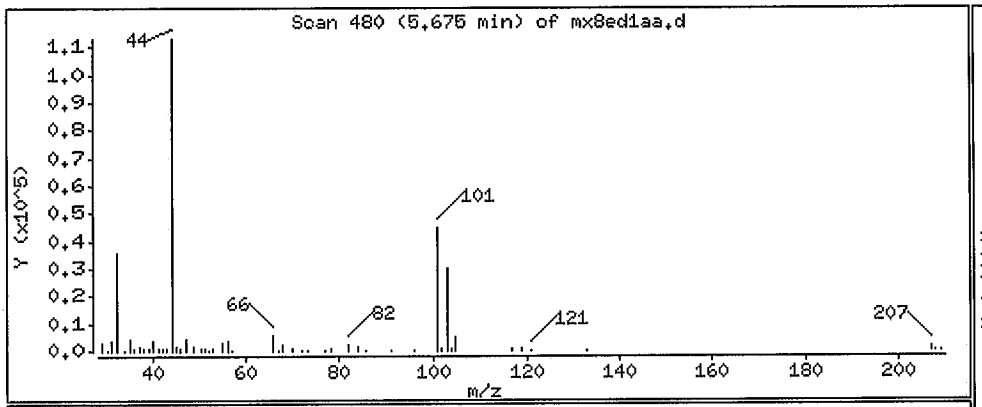
Client ID: 828076-IA-003B2-01 Instrument: mr.i

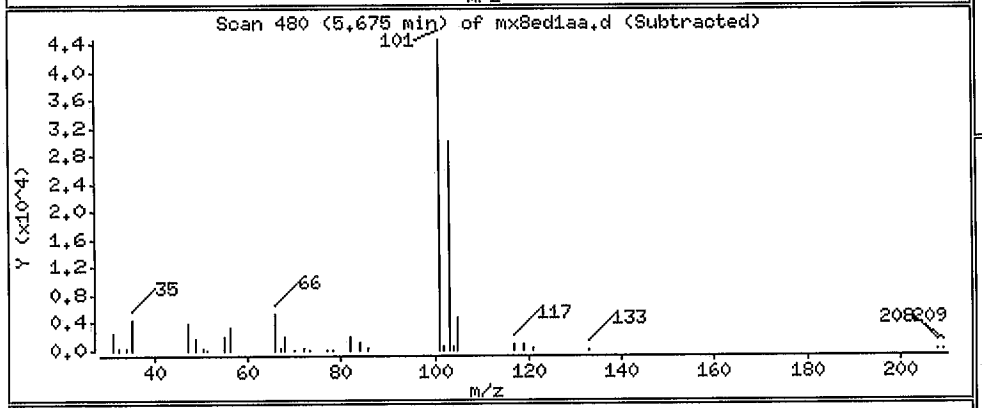
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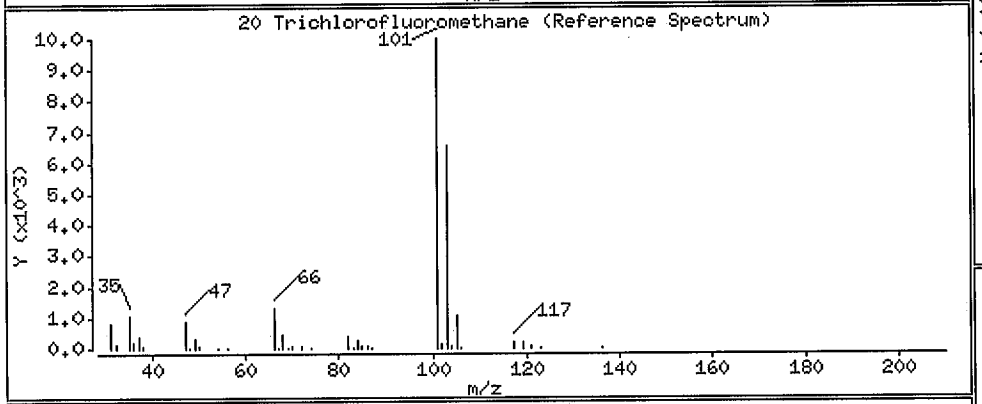
Purge Volume: 500.0 Operator: 403648

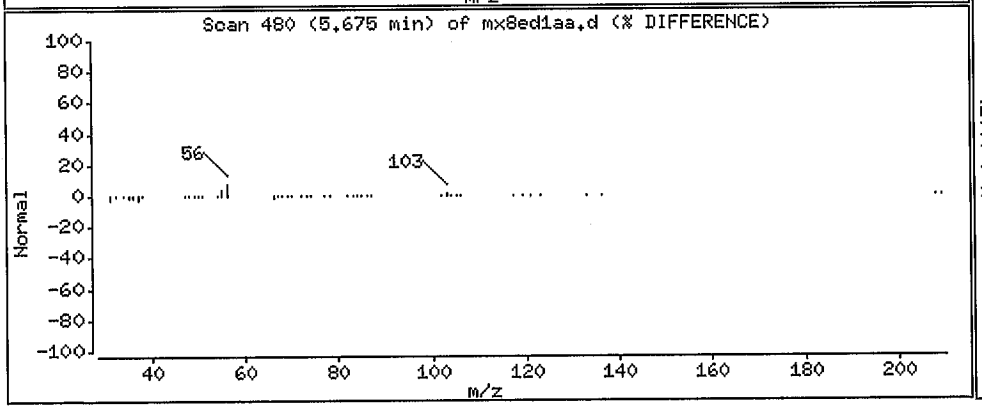
Column phase: Rtx-5 Column diameter: 0.32

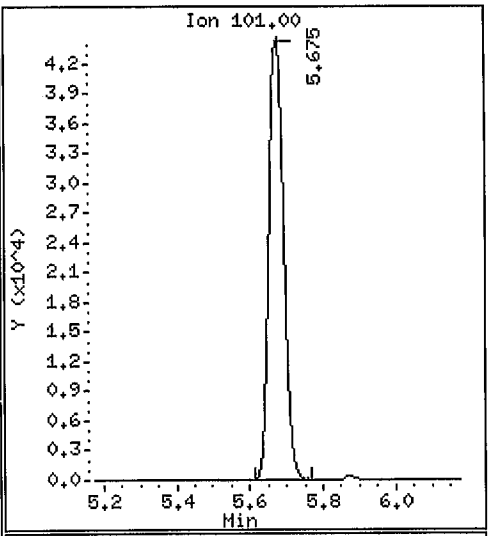
20 Trichlorofluoromethane Concentration: 0.2986 ppb(v/v)

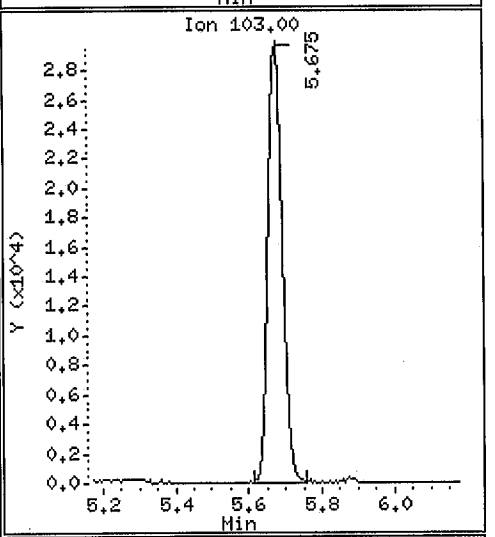


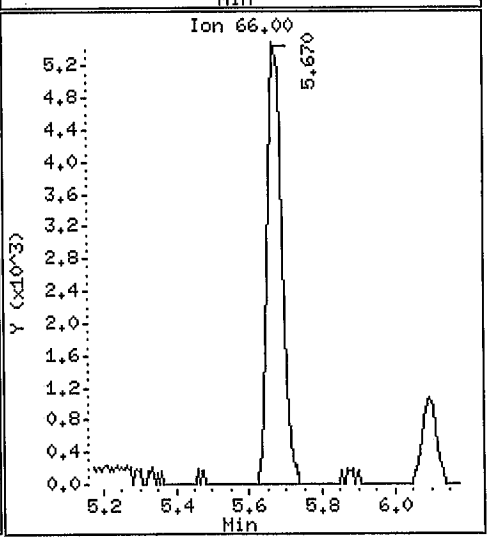












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

Client ID: 828076-IA-003B2-01

Instrument: mr.i

Sample Info: ,,0,,,

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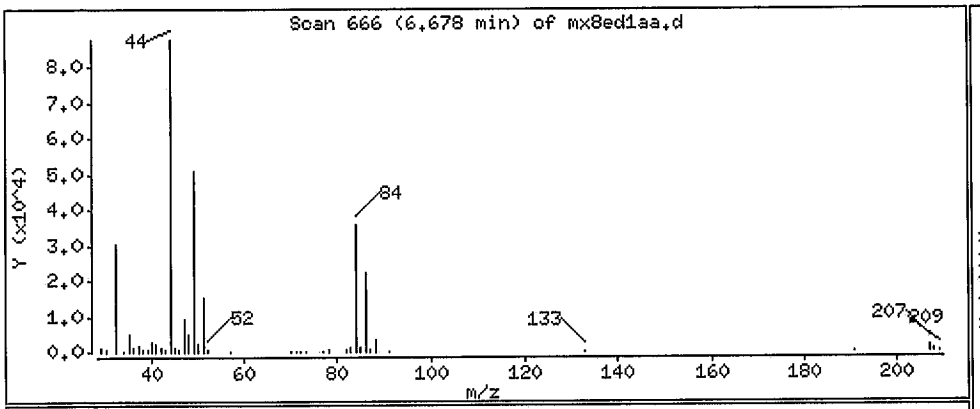
Operator: 403648

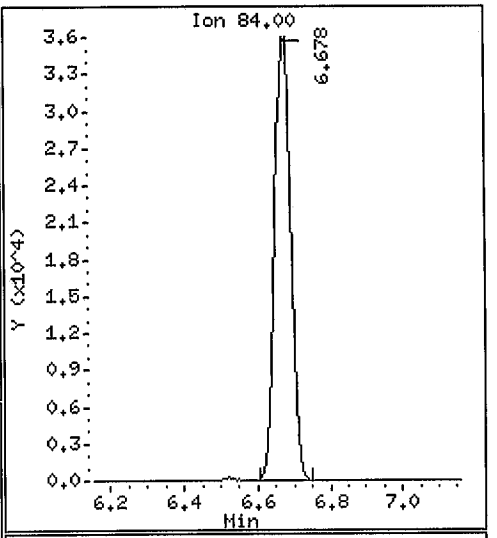
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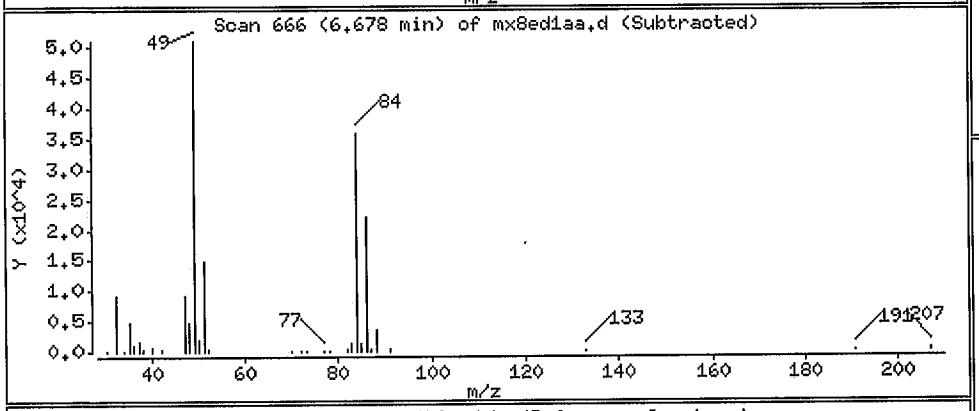
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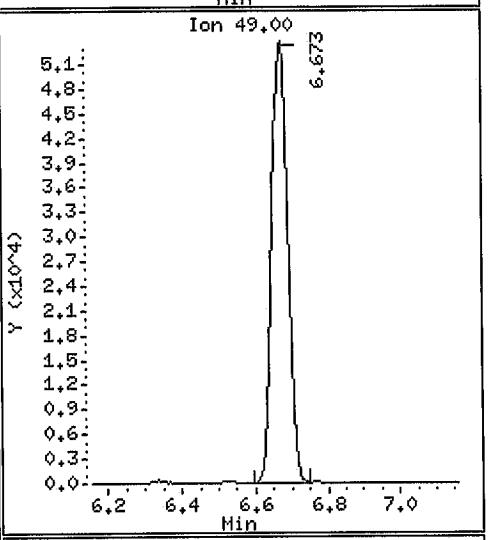
31 Methylene Chloride

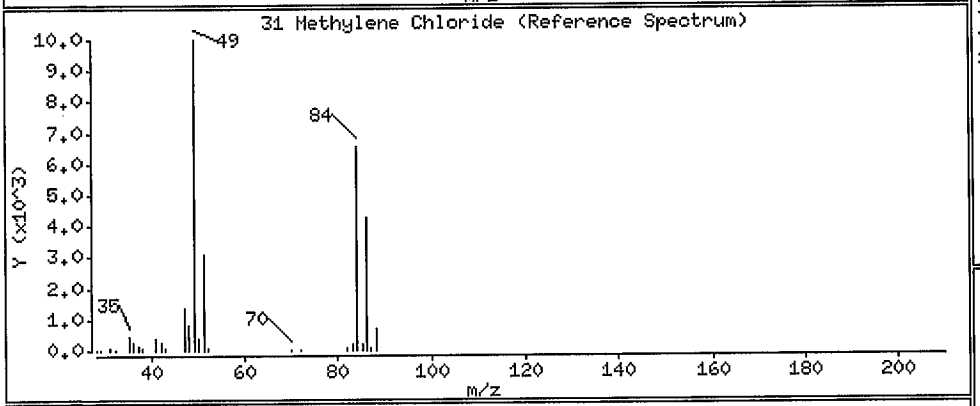
Concentration: 0.7729 ppb(v/v)

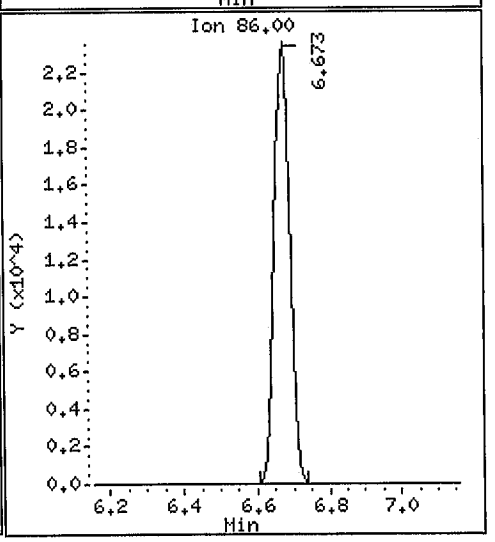


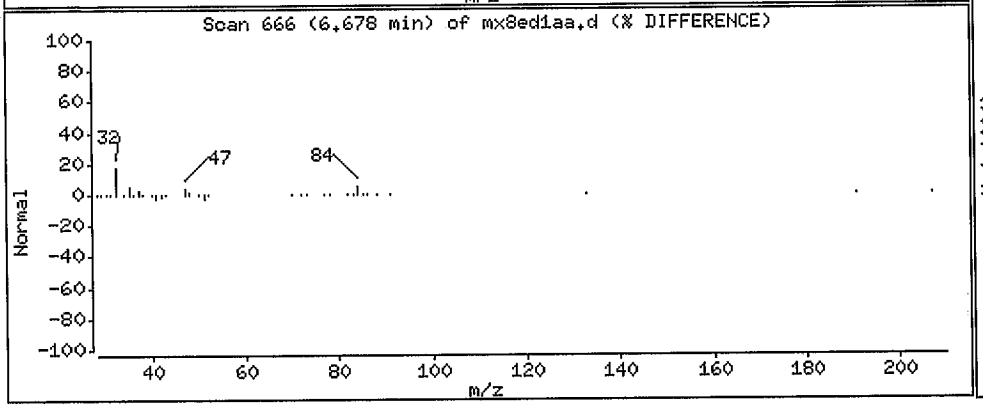












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

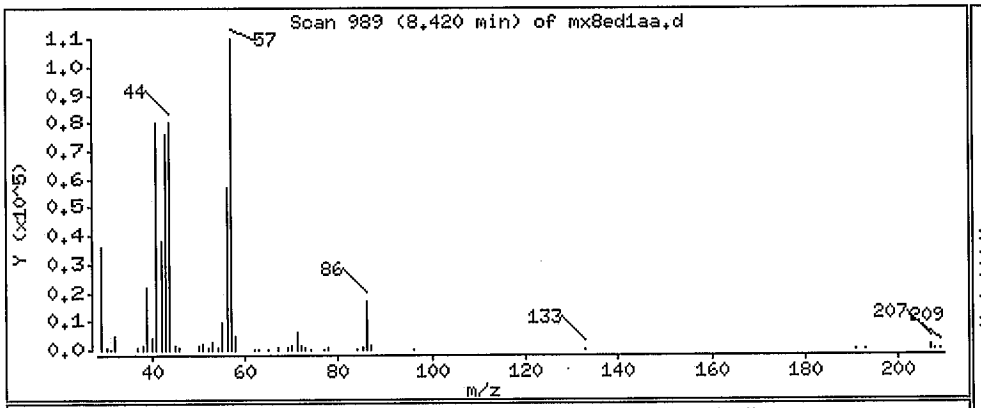
Client ID: 828076-IA-003B2-01 Instrument: mr.i

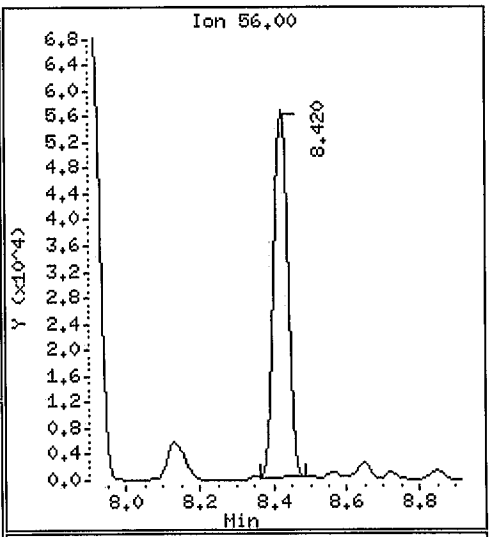
Sample Info: ,,0,,,

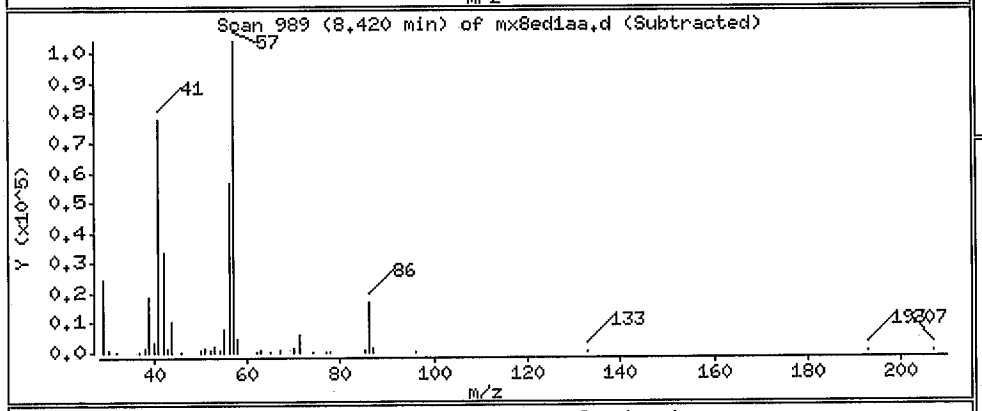
Purge Volume: 500.0 Operator: 403648

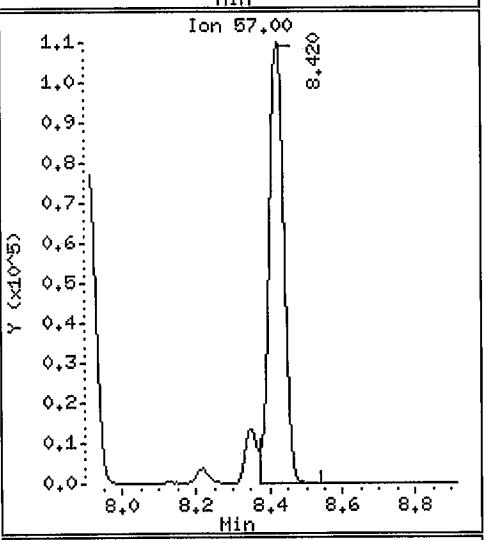
Column phase: Rtx-5 Column diameter: 0.32

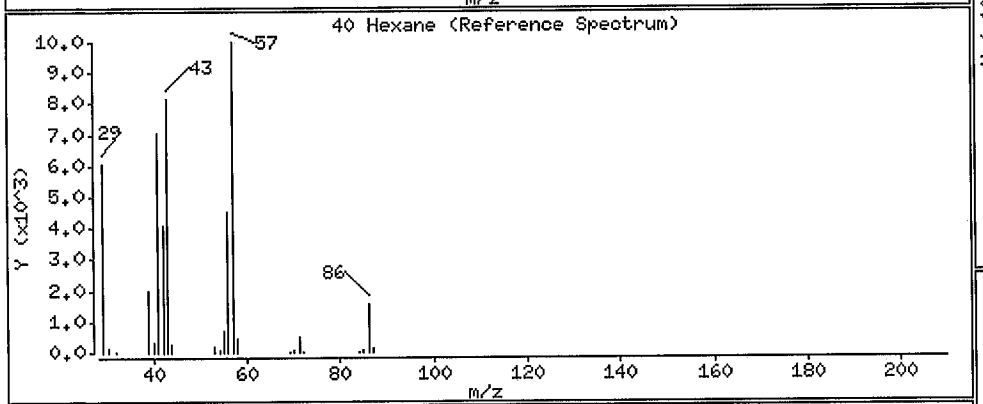
40 Hexane Concentration: 1.091 ppb(v/v)

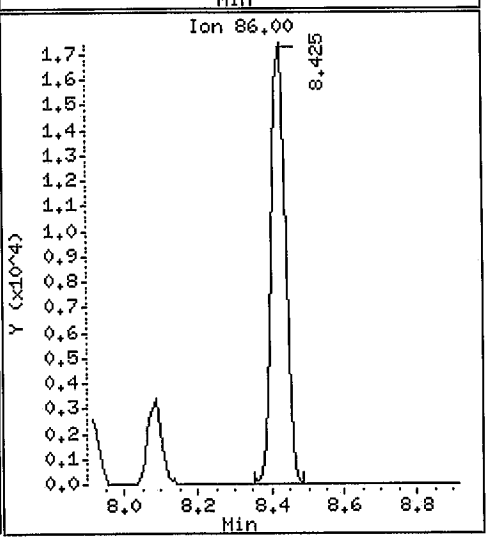


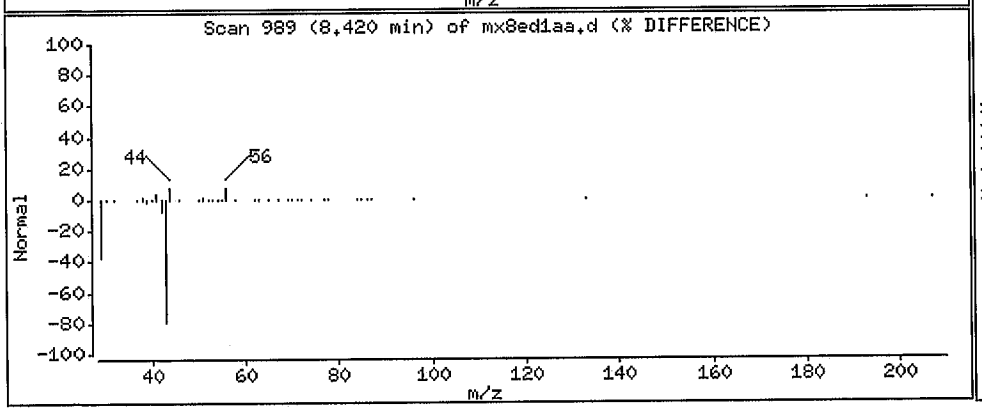












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

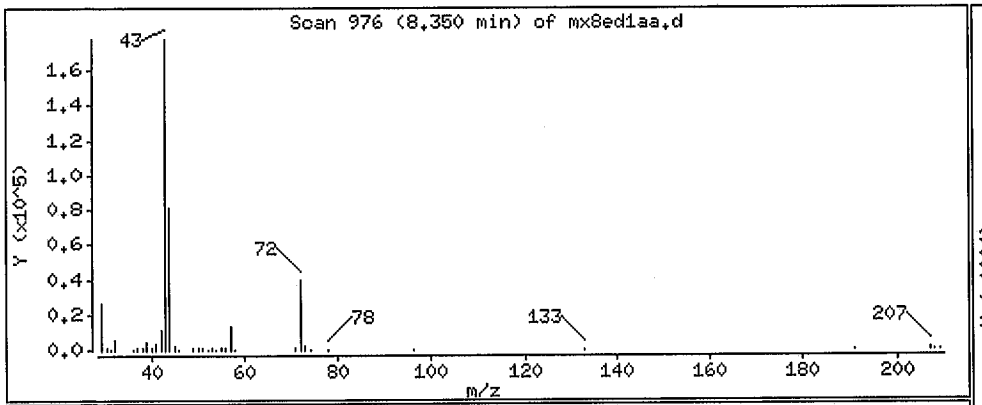
Client ID: 828076-IA-003B2-01 Instrument: mr.i

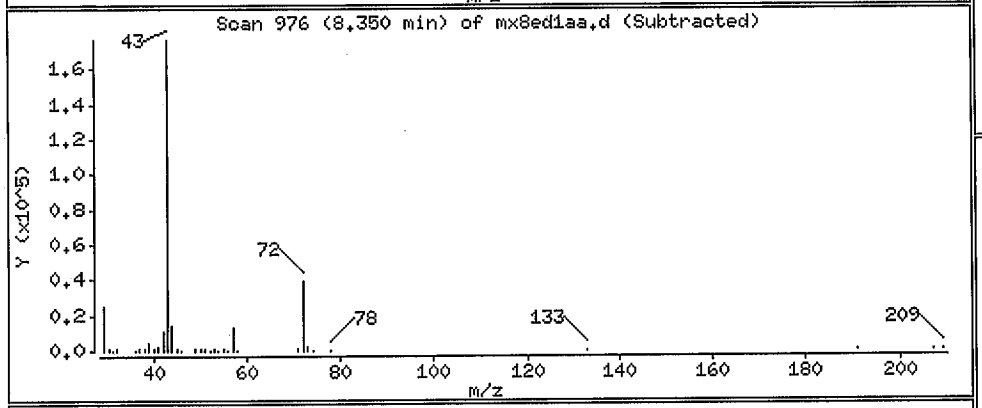
Sample Info: ,,0,,,

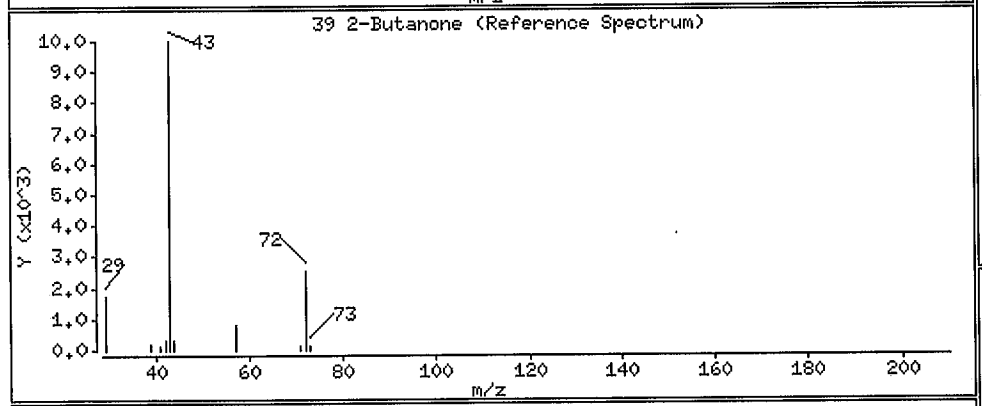
Purge Volume: 500.0 Operator: 403648

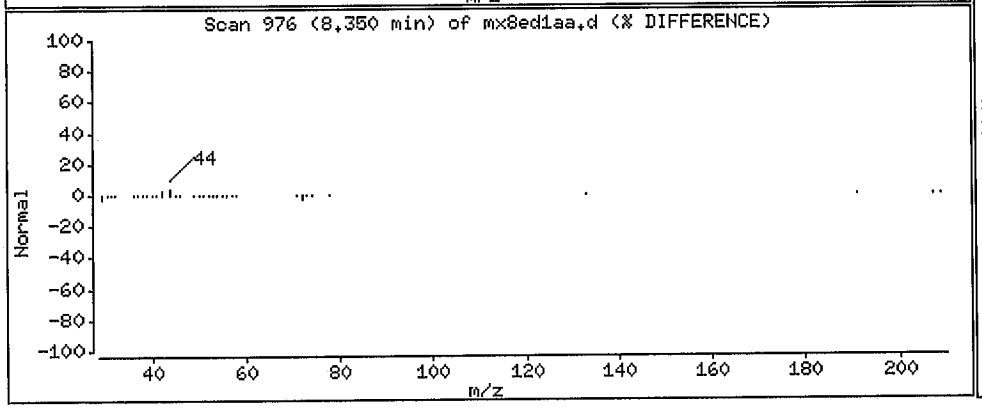
Column phase: Rtx-5 Column diameter: 0.32

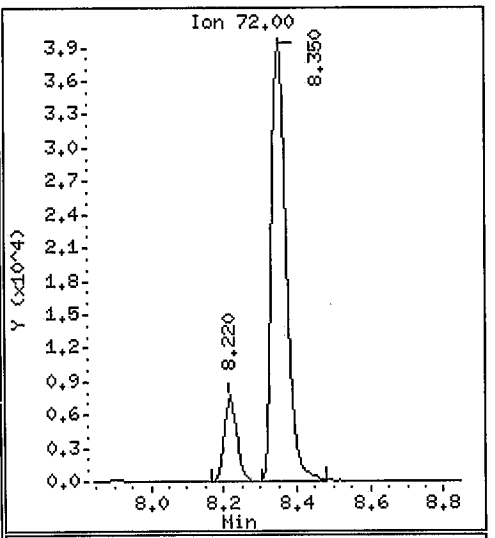
39 2-Butanone Concentration: 1.349 ppb(v/v)

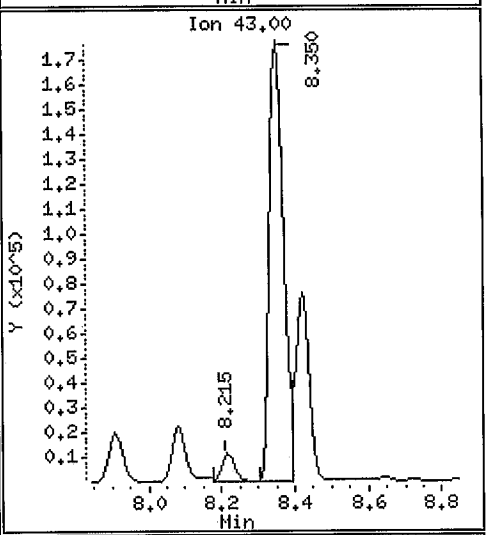


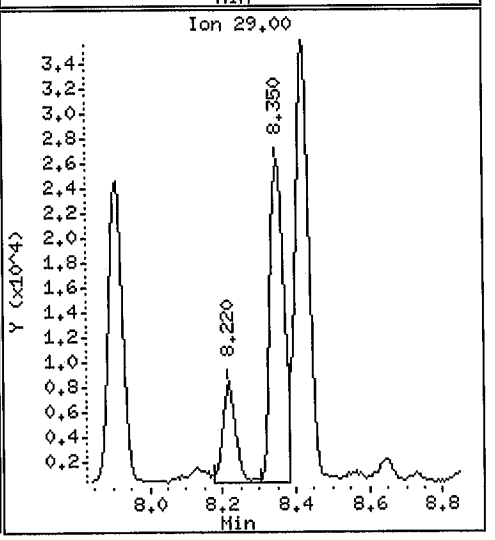












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

Client ID: 828076-IA-003B2-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

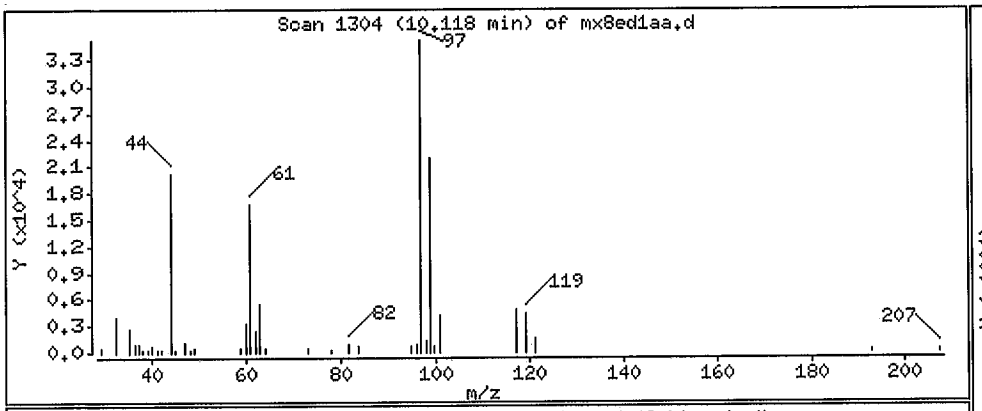
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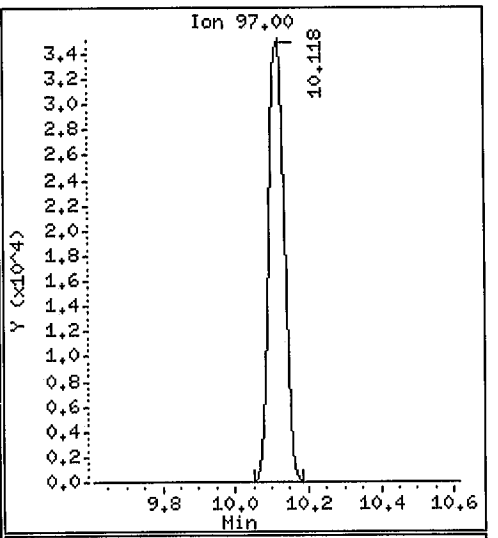
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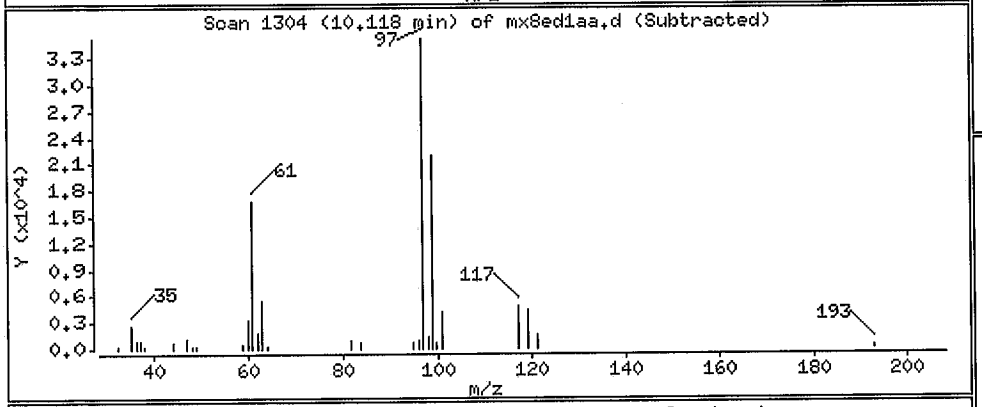
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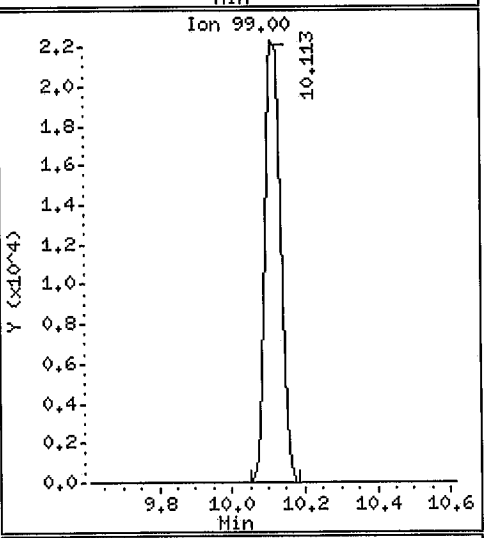
45 1,1,1-Trichloroethane

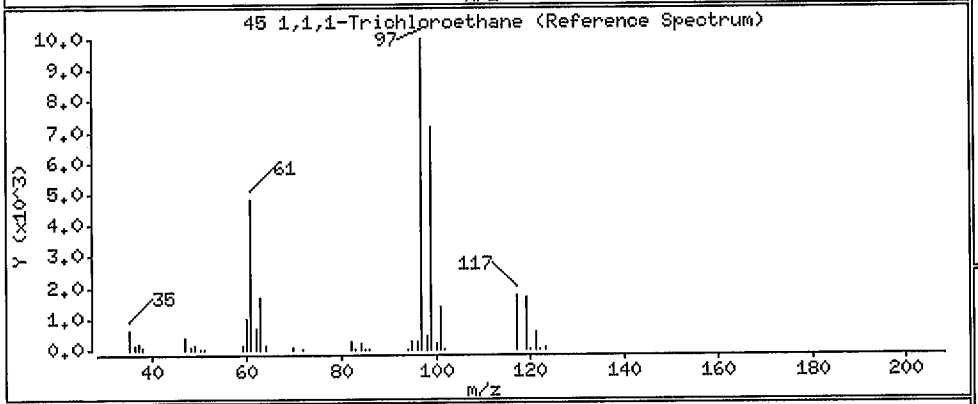
Concentration: 0.3285 ppb(v/v)

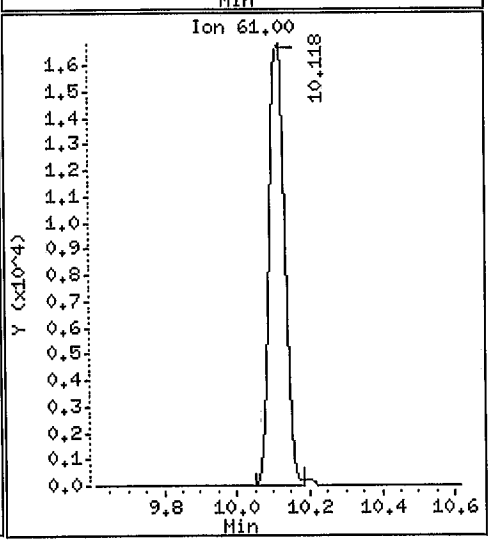


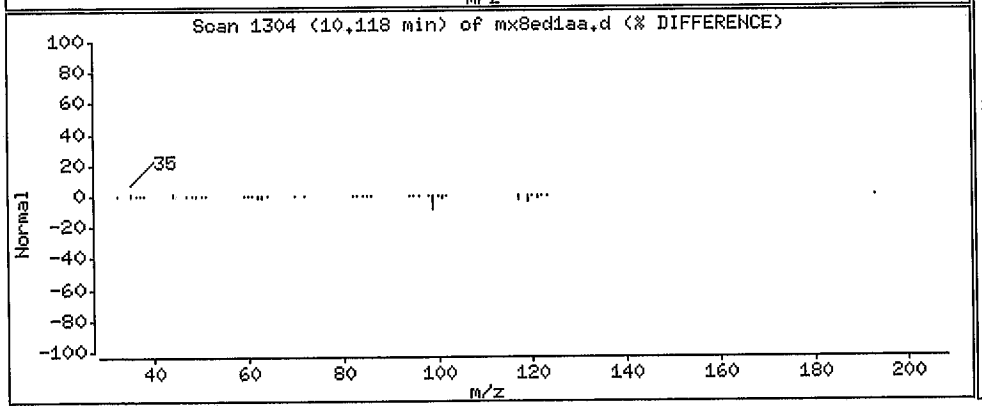












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

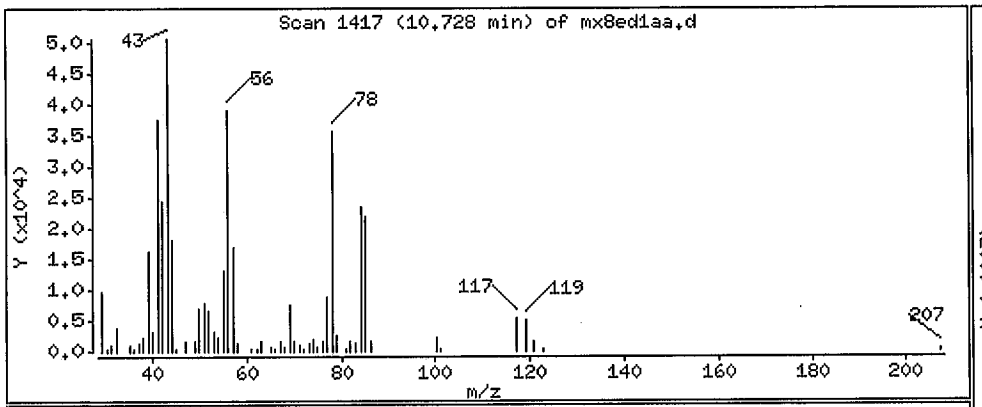
Client ID: 828076-IA-003B2-01 Instrument: mr.i

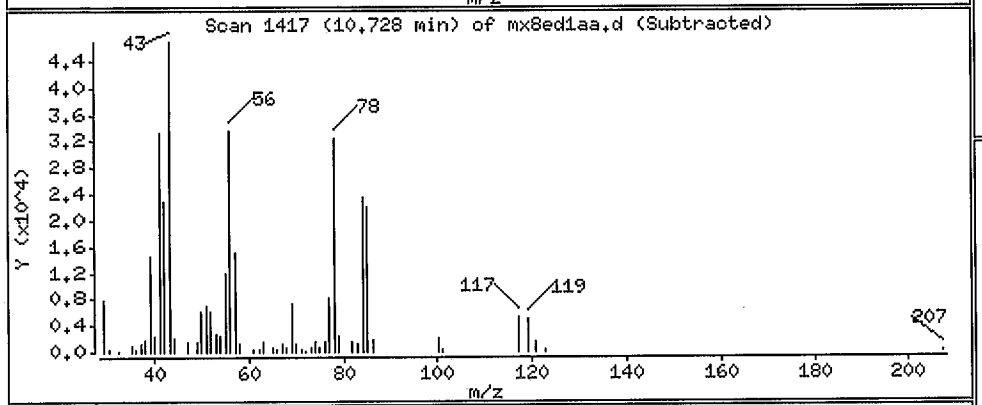
Sample Info: ,,0,,,

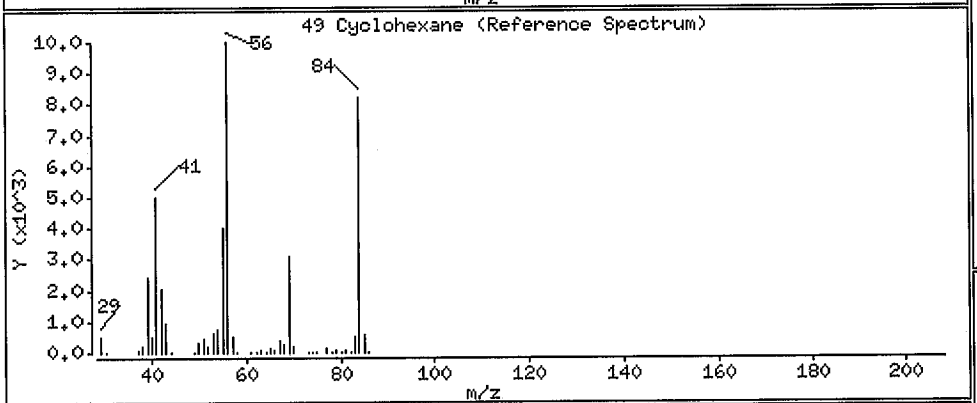
Purge Volume: 500.0 Operator: 403648

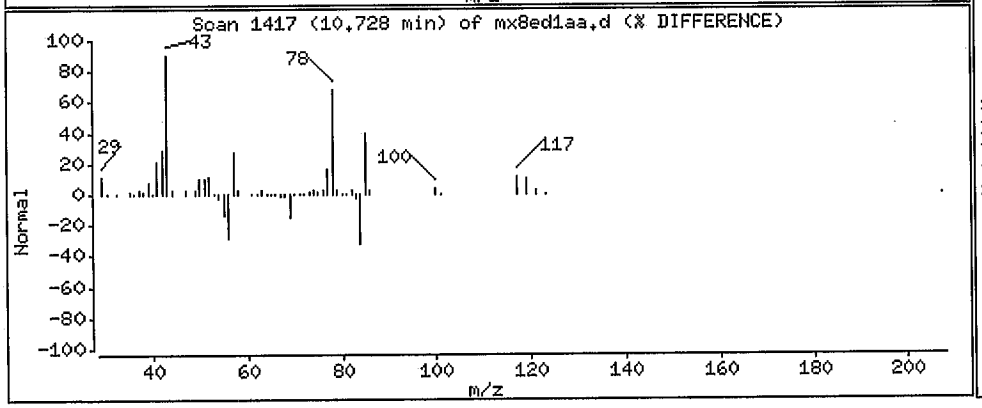
Column phase: Rtx-5 Column diameter: 0.32

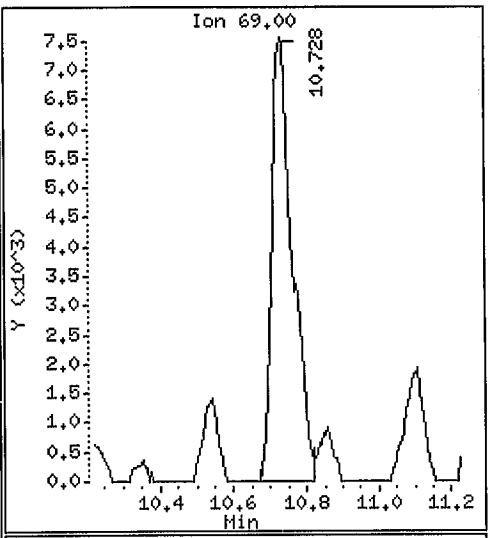
49 Cyclohexane Concentration: 0.3812 ppb(v/v)

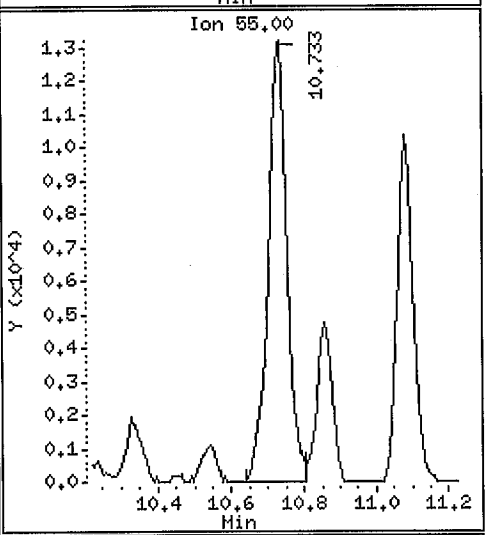


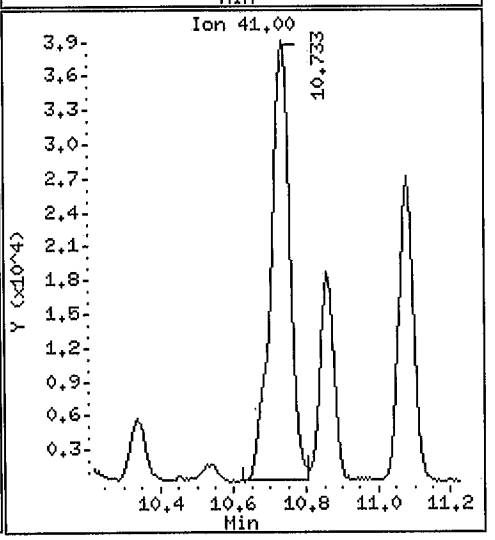












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

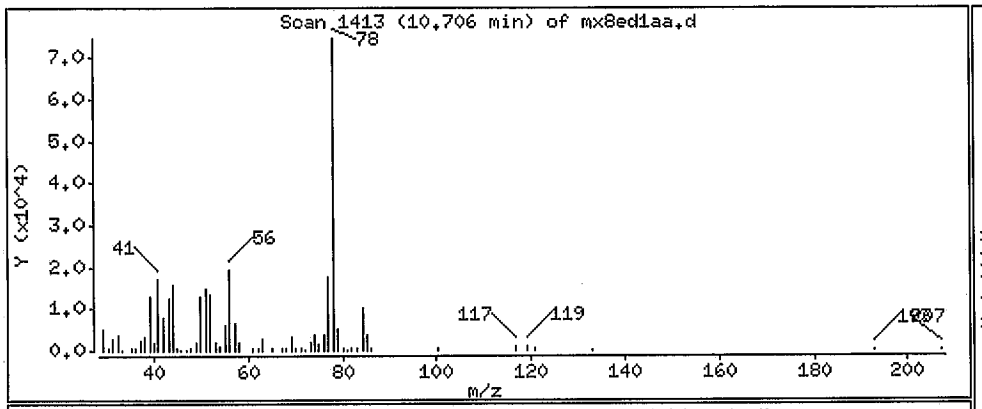
Client ID: 828076-IA-003B2-01 Instrument: mr.i

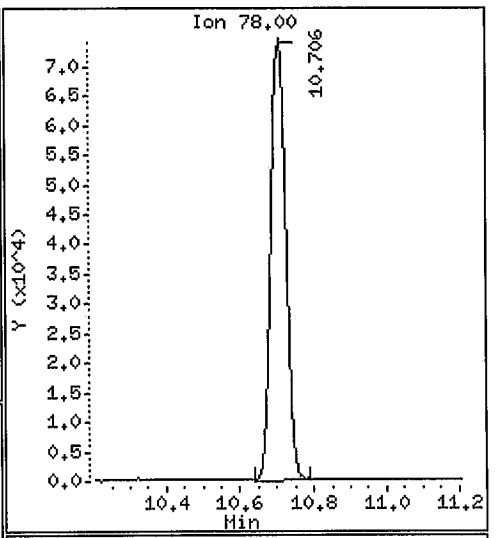
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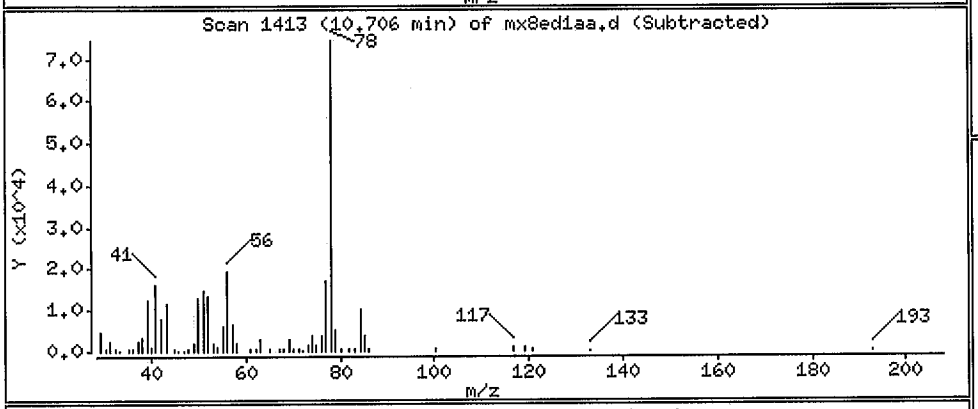
Purge Volume: 500.0 Operator: 403648

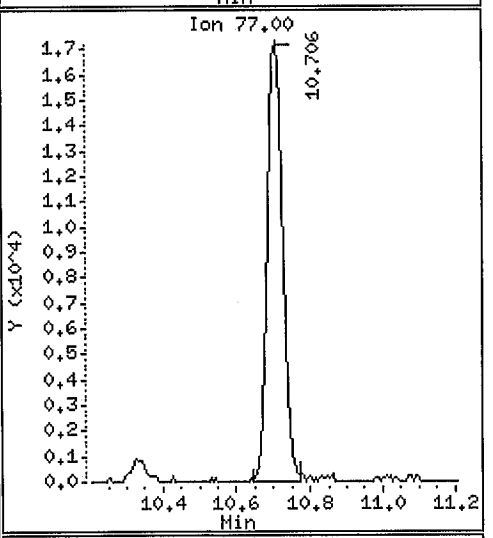
Column phase: Rtx-5 Column diameter: 0.32

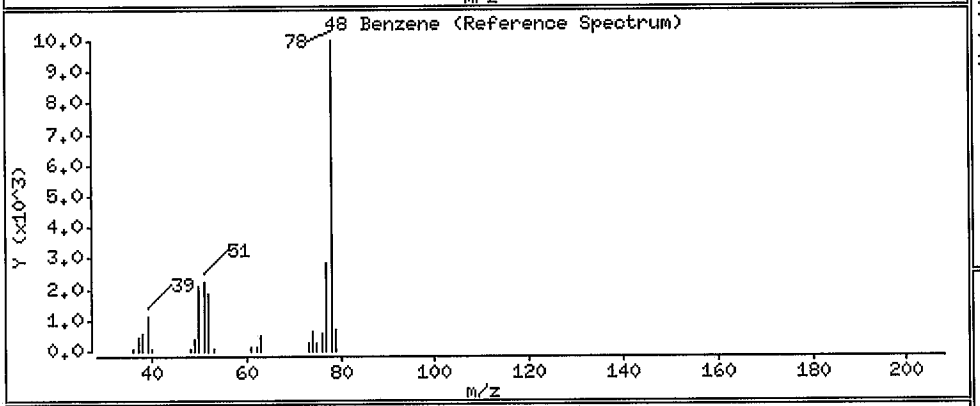
48 Benzene Concentration: 0.4023 ppb(v/v)

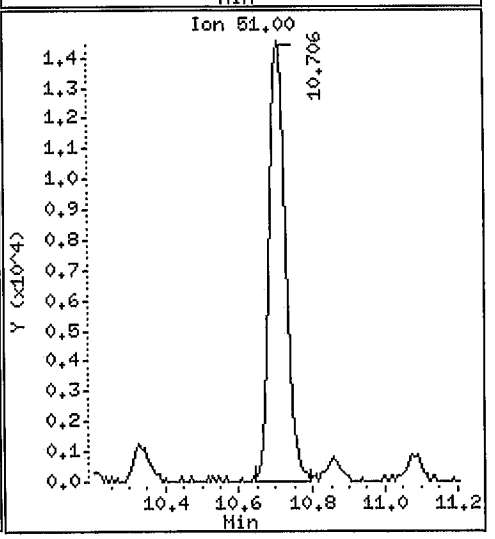


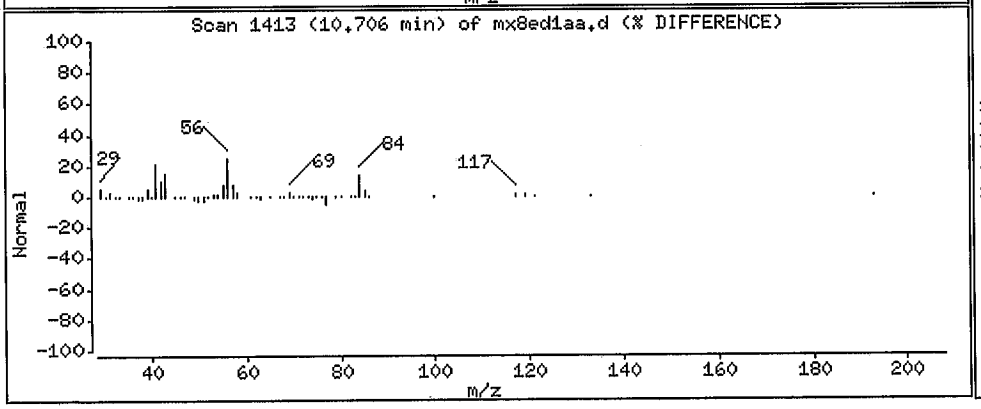












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

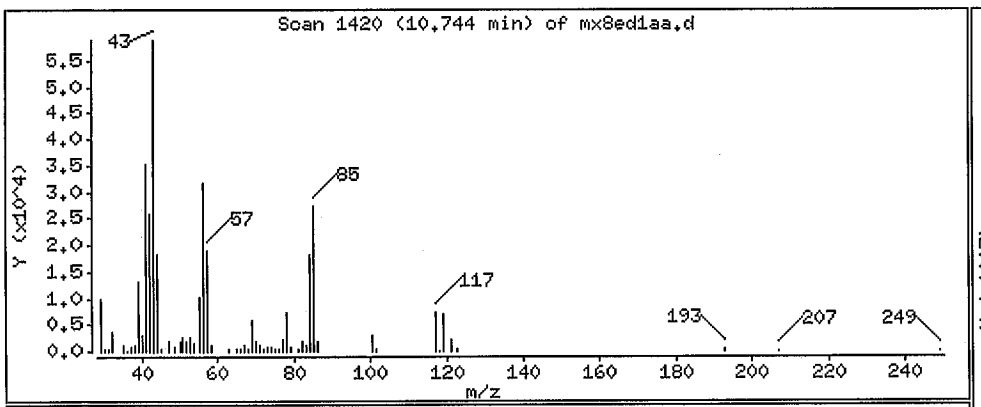
Client ID: 828076-IA-003B2-01 Instrument: mr.i

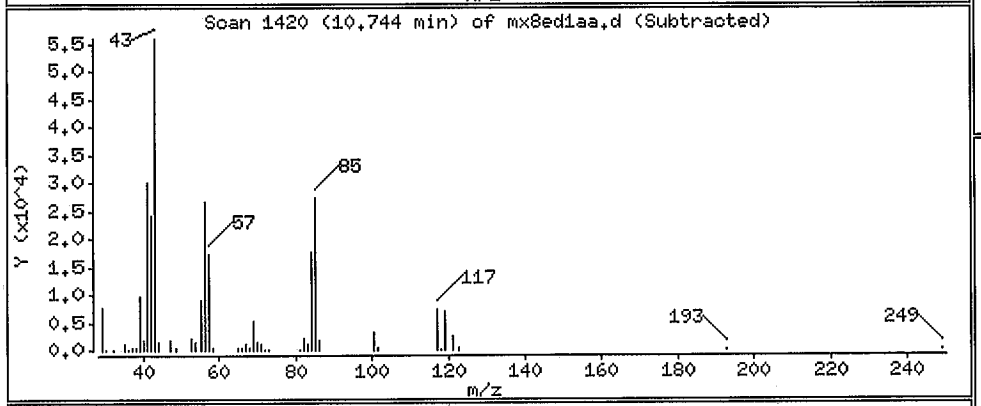
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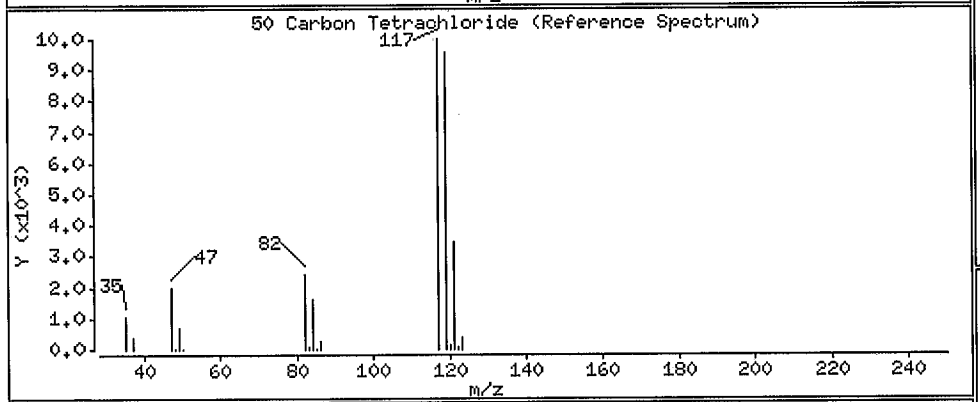
Purge Volume: 500.0 Operator: 403648

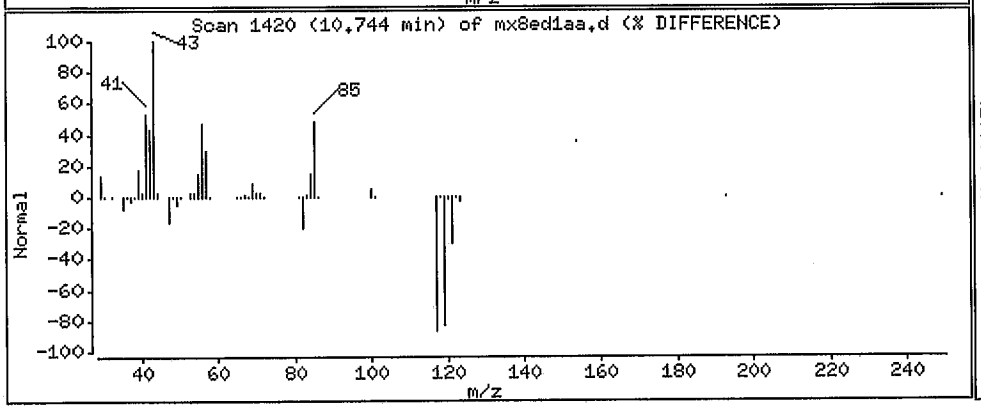
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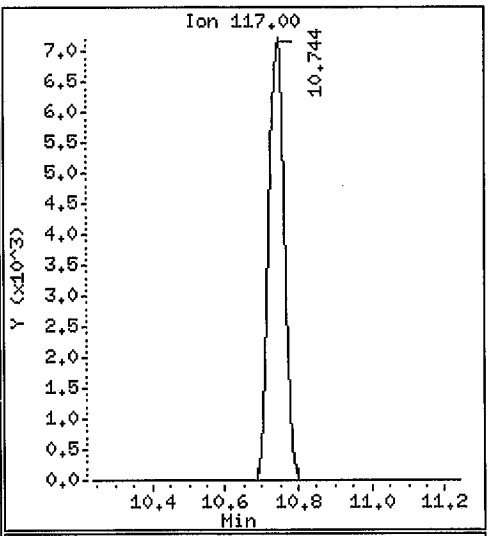
50 Carbon Tetrachloride Concentration: 0.08017 ppb(v/v)

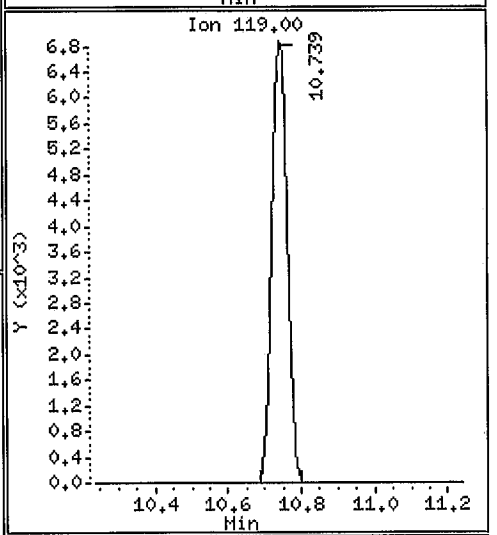


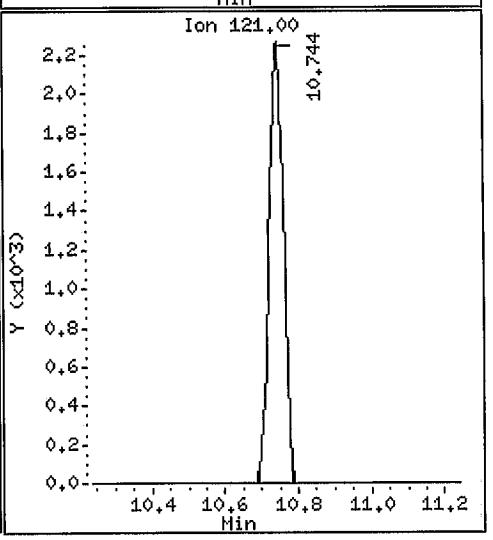












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Date : 28-FEB-2013 23:53

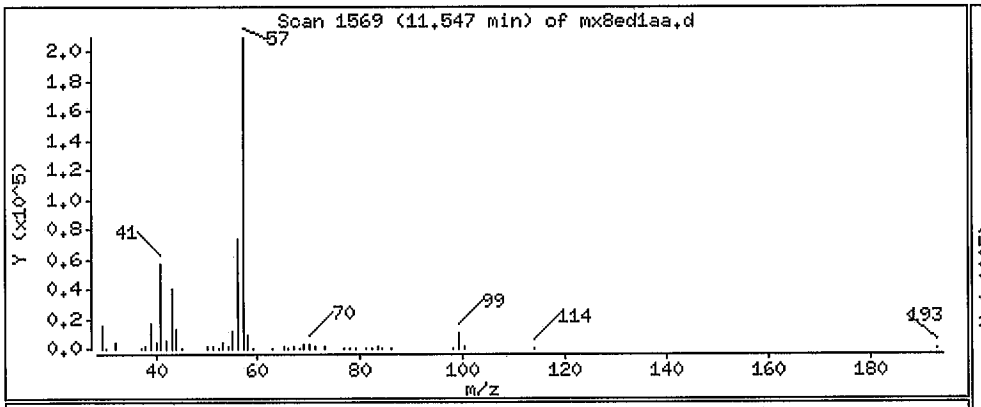
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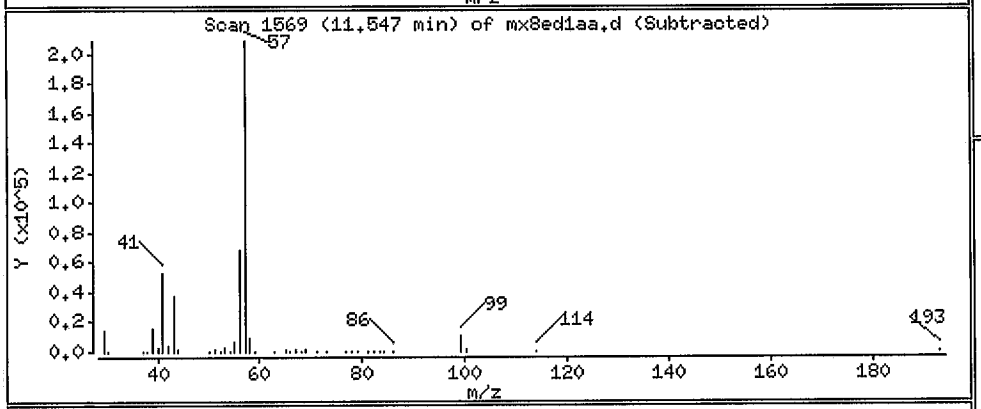
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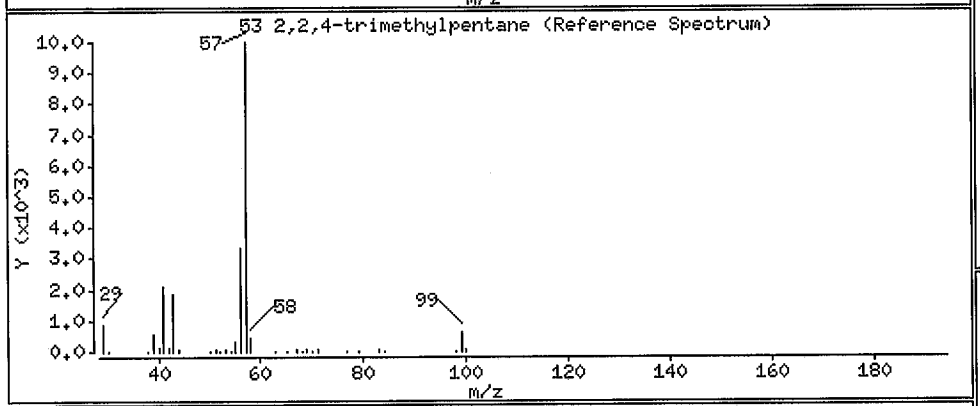
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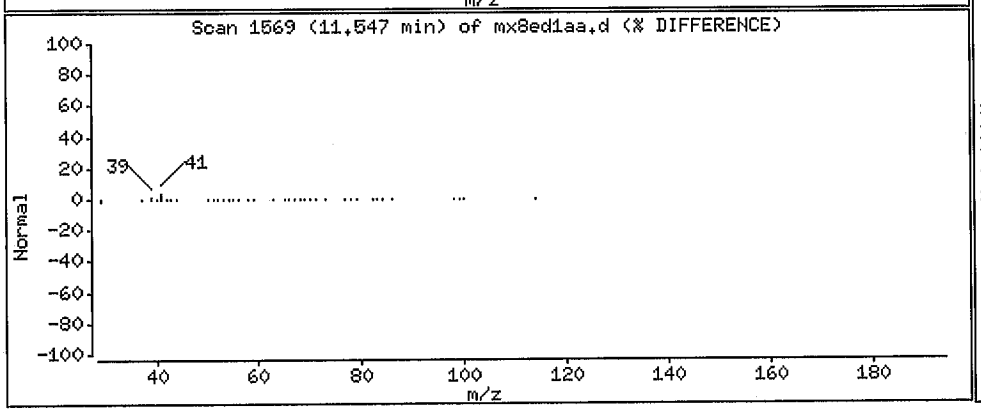
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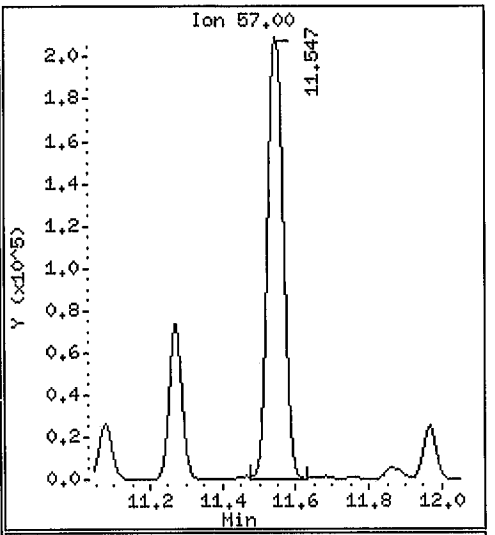
53 2,2,4-trimethylpentane Concentration: 0.7460 ppb(v/v)

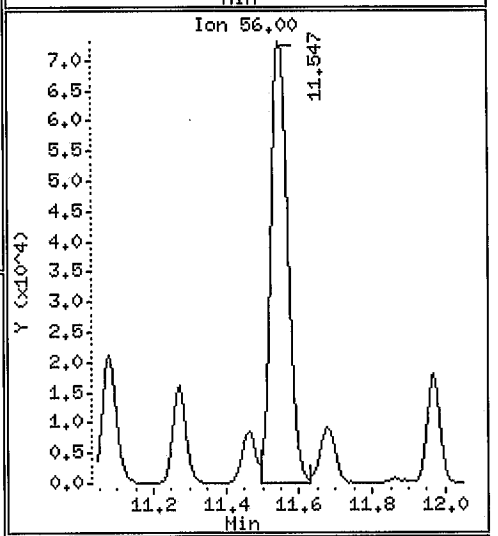


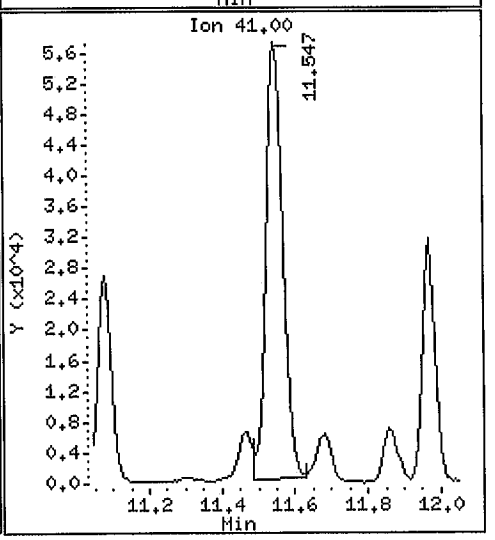












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

Client ID: 828076-IA-003B2-01

Instrument: mr.i

Sample Info: ,,0,,,

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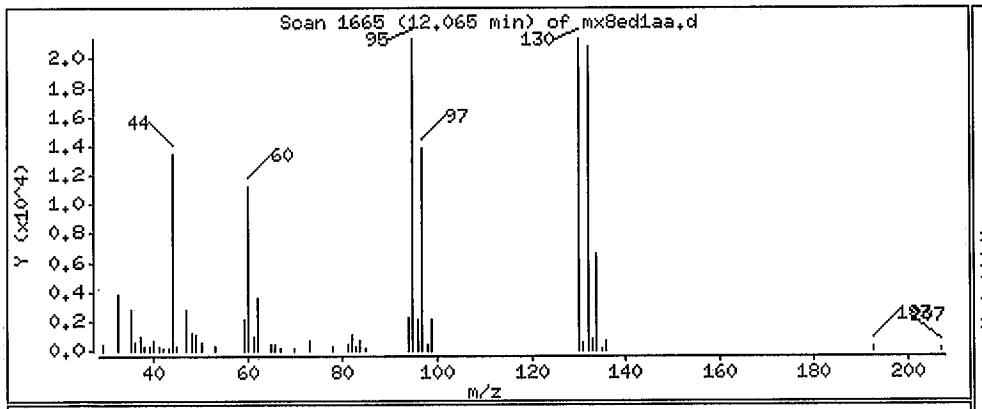
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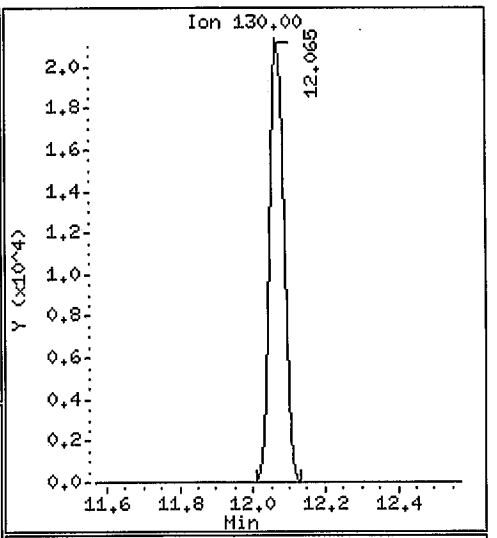
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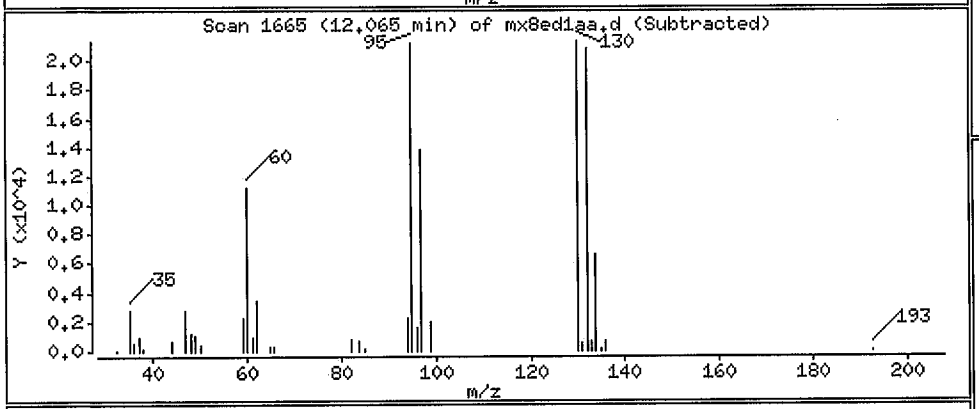
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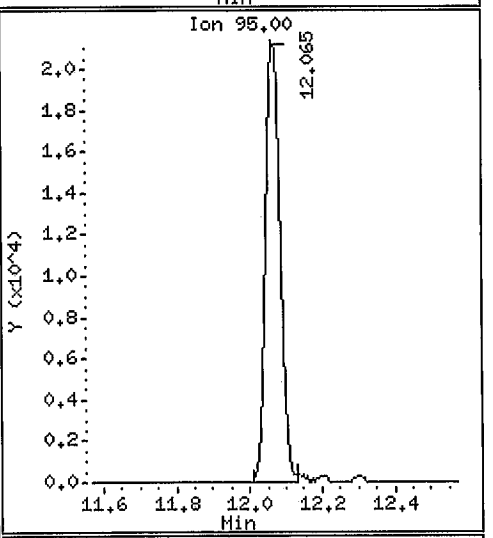
56 Trichloroethene

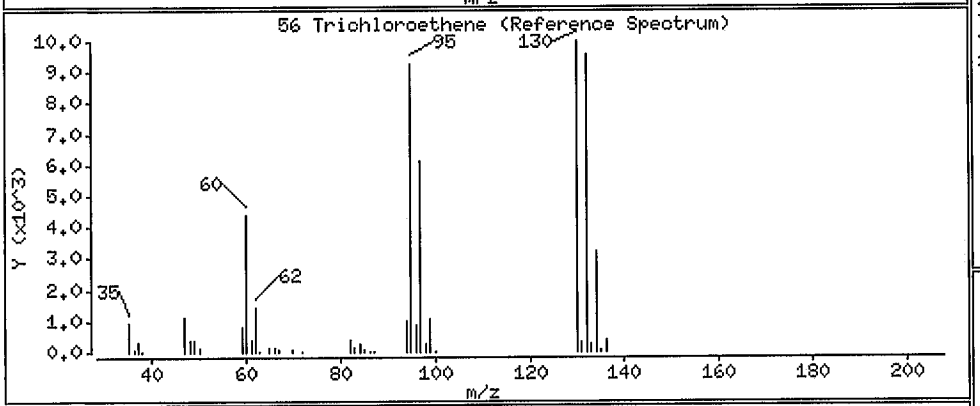
Concentration: 0.2530 ppb(v/v)

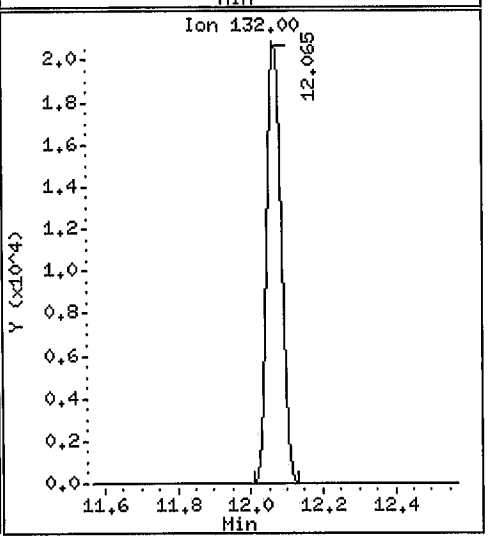


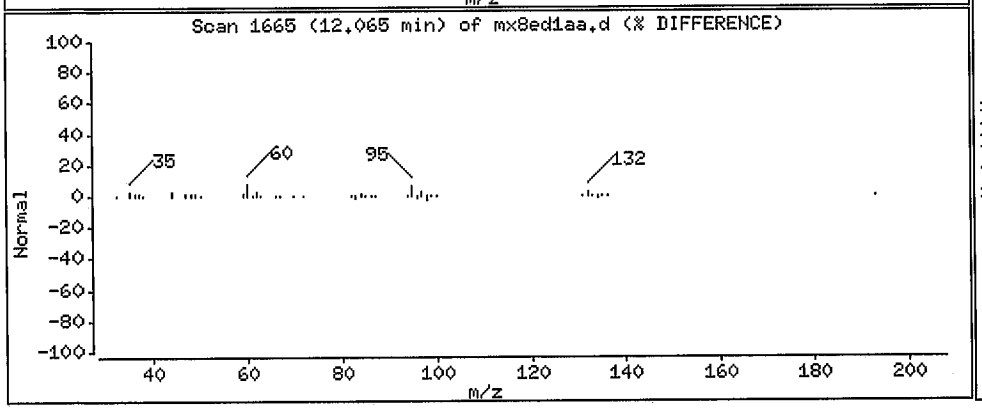












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Date : 28-FEB-2013 23:53

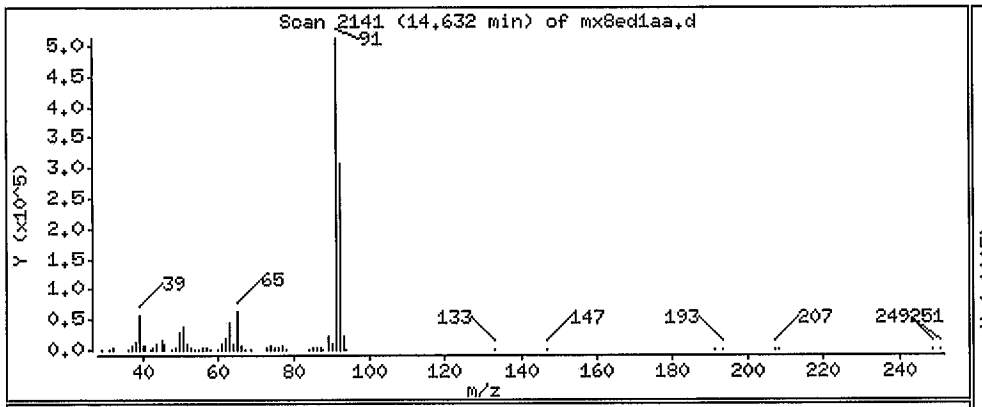
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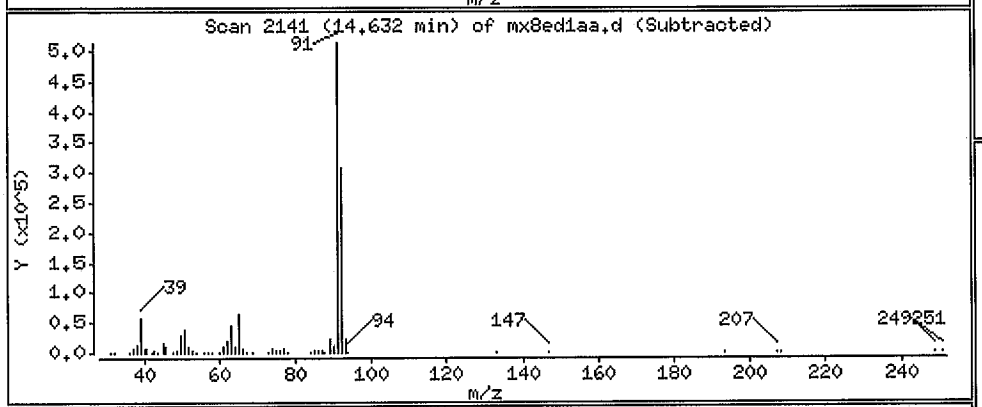
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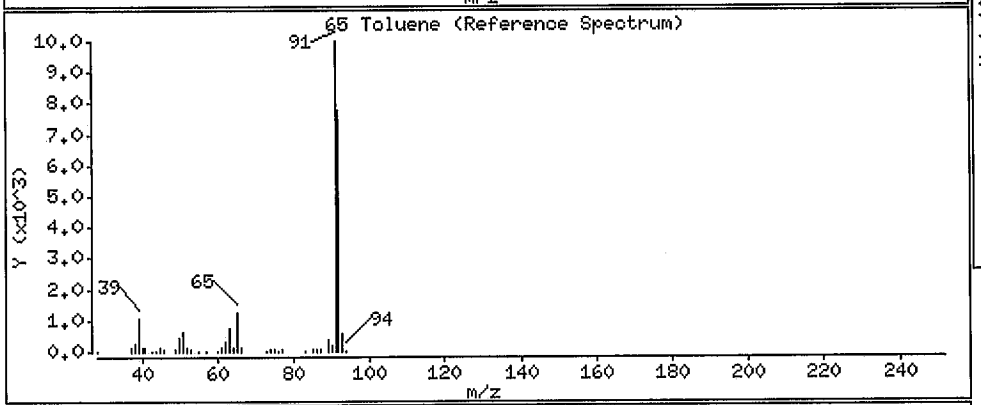
Purge Volume: 500.0 Operator: 403648

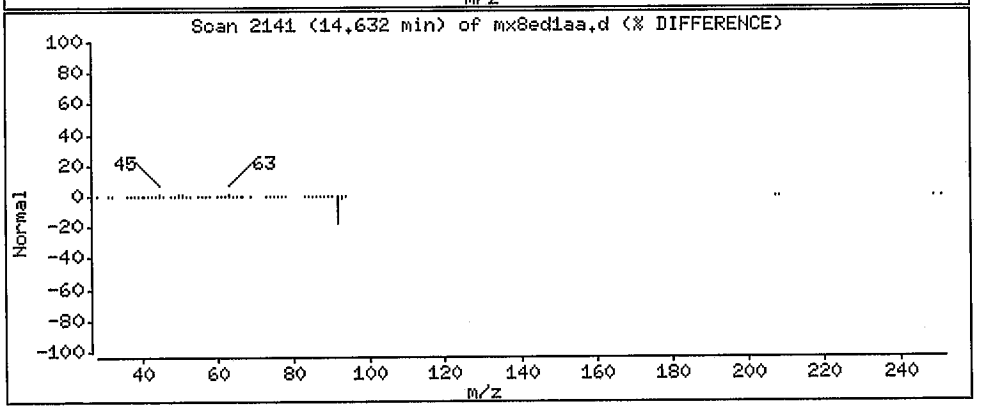
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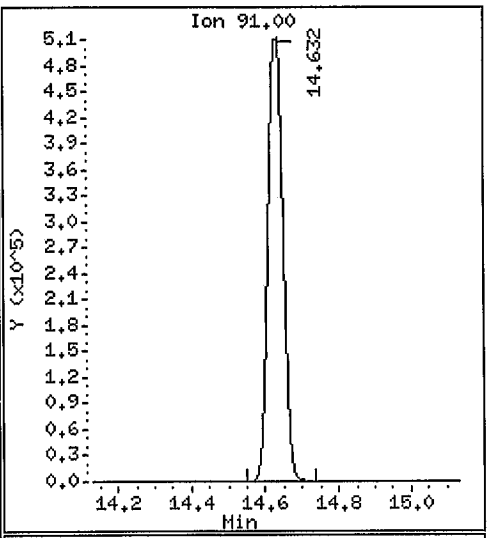
65 Toluene Concentration: 2.178 ppb(v/v)

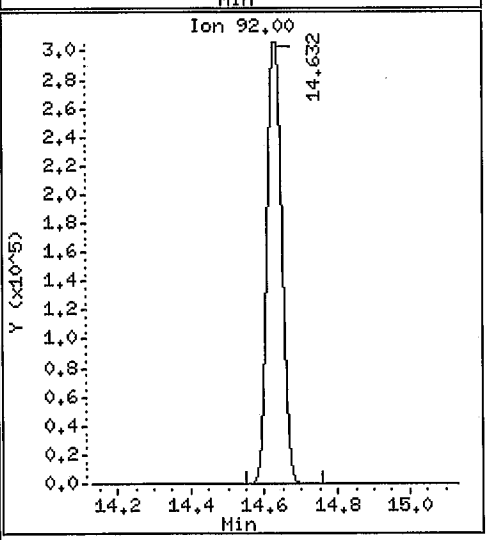












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

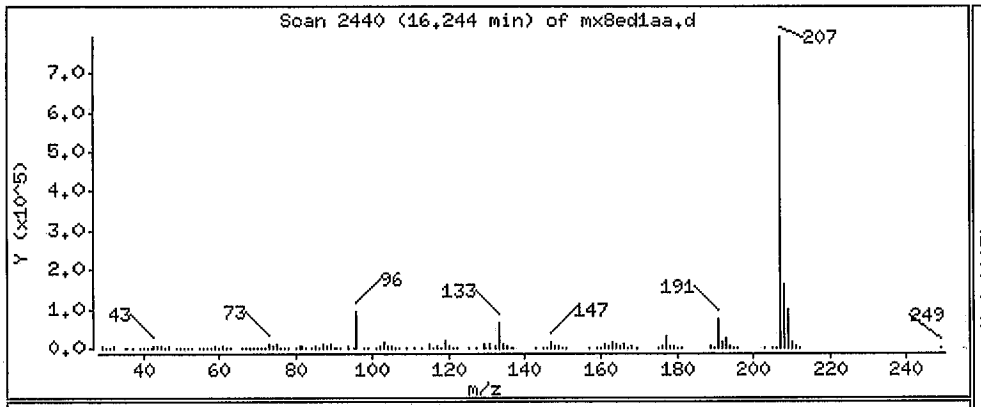
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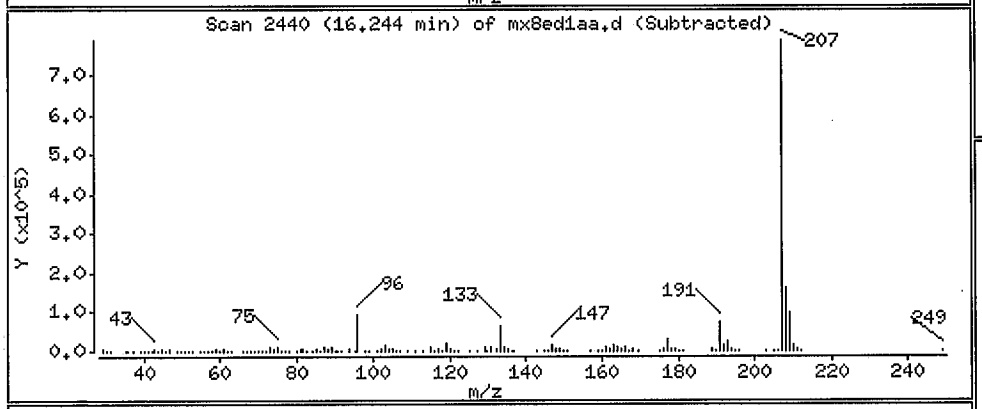
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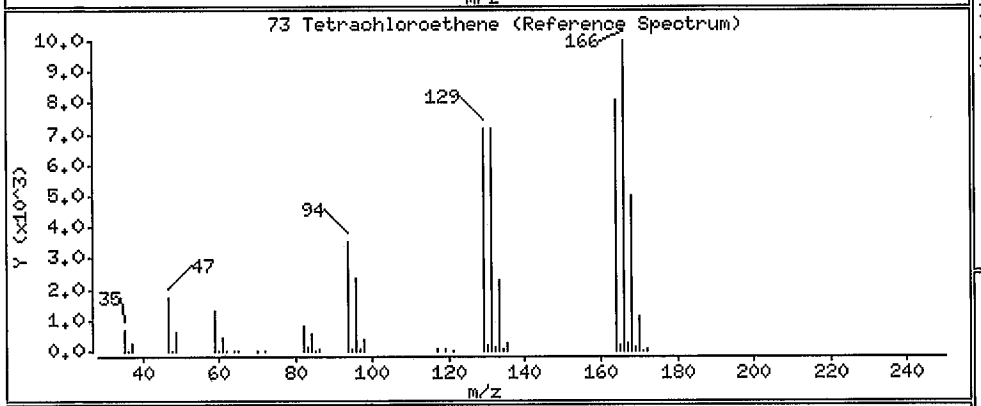
Purge Volume: 500.0 Operator: 403648

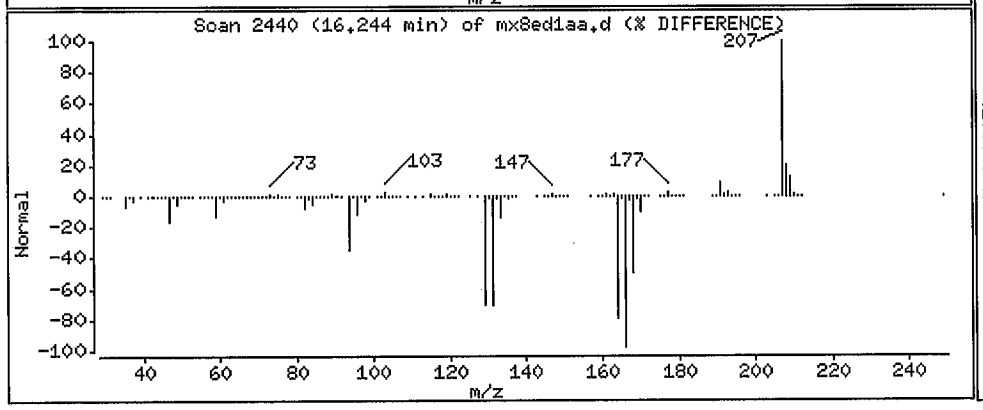
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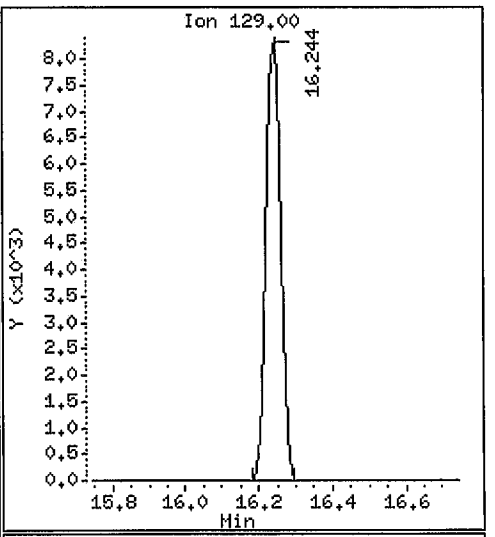
73 Tetrachloroethene Concentration: 0.09839 ppb(v/v)

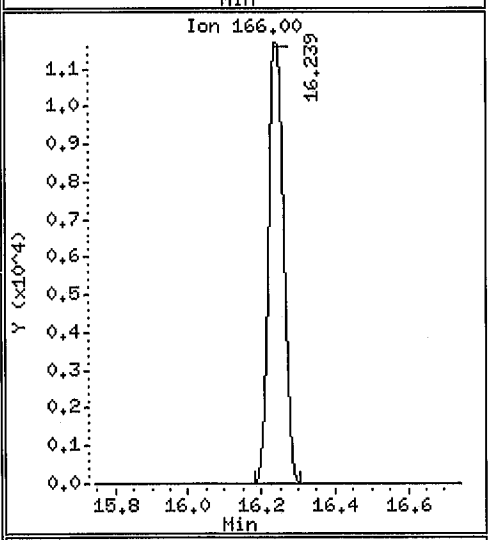


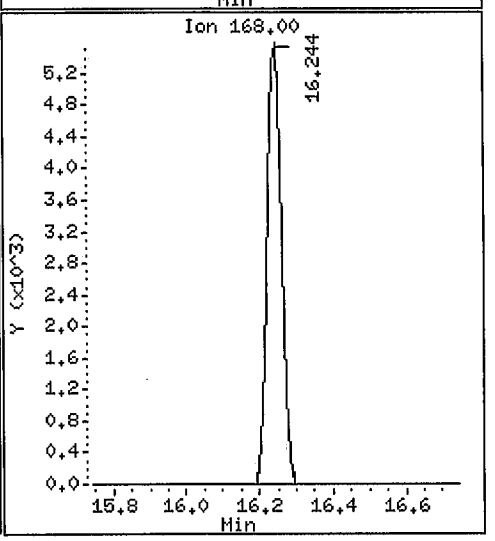












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Date : 28-FEB-2013 23:53

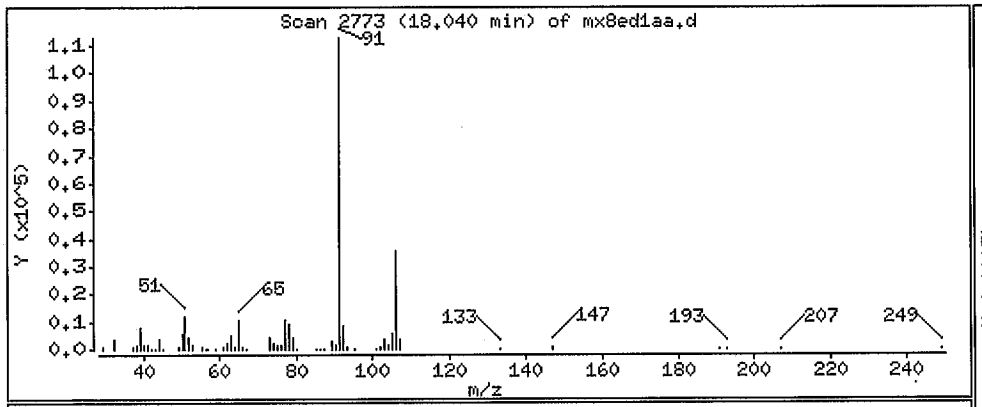
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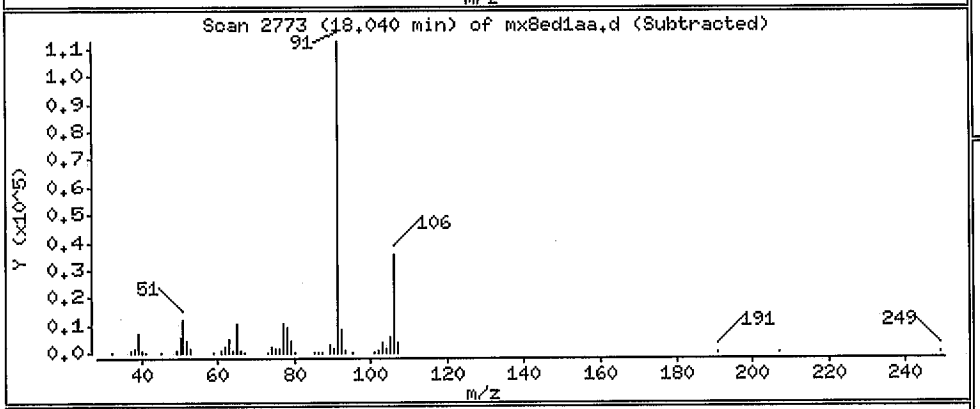
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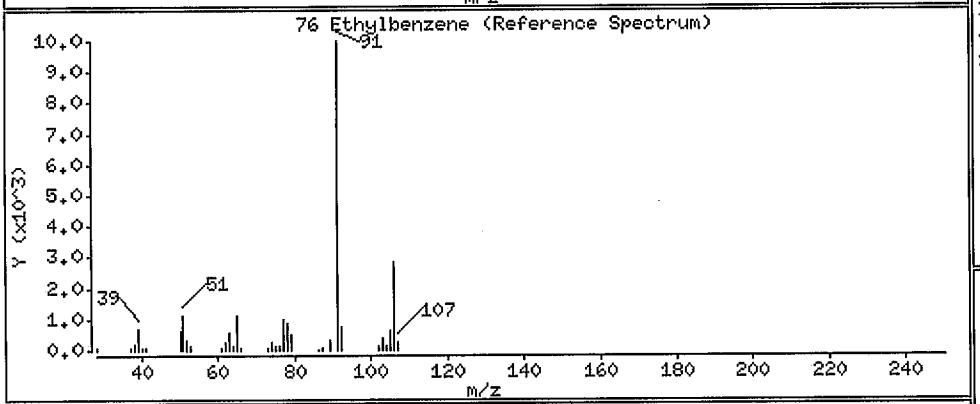
Purge Volume: 500.0 Operator: 403648

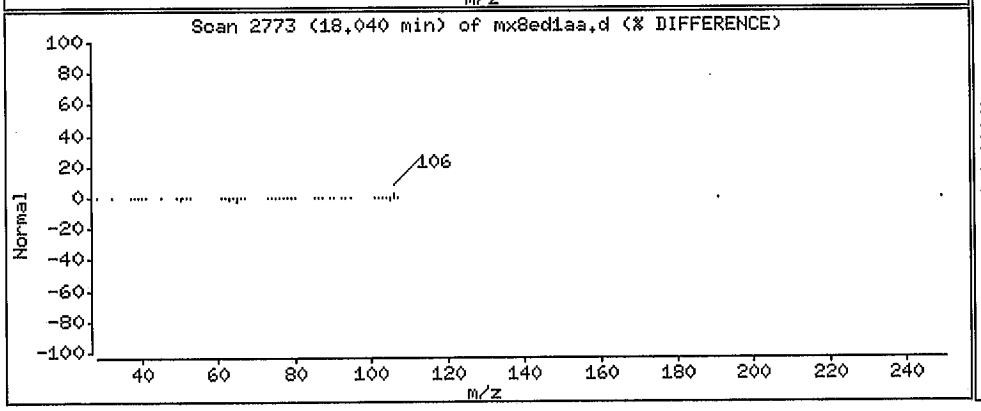
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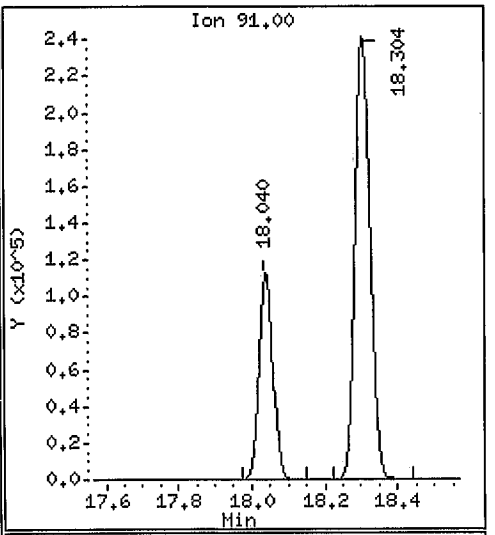
76 Ethylbenzene Concentration: 0.3804 ppb(v/v)

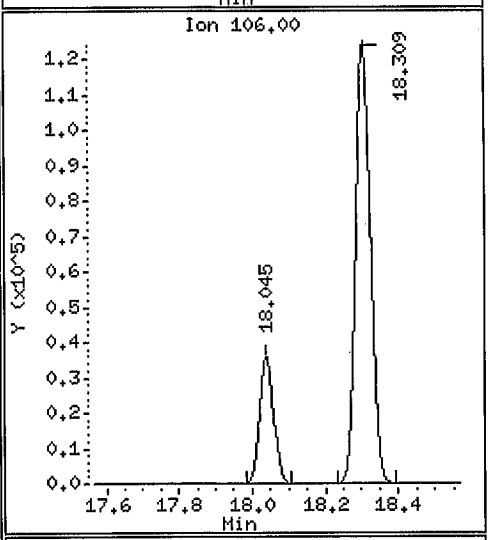


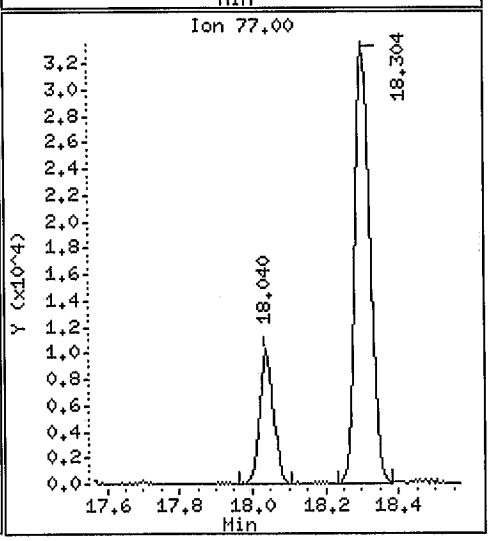












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Date : 28-FEB-2013 23:53

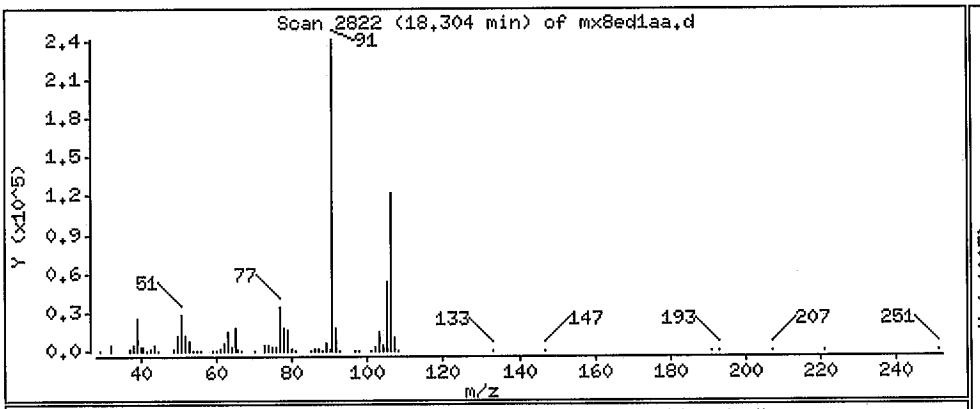
Client ID: 828076-IA-003B2-01 Instrument: mr.i

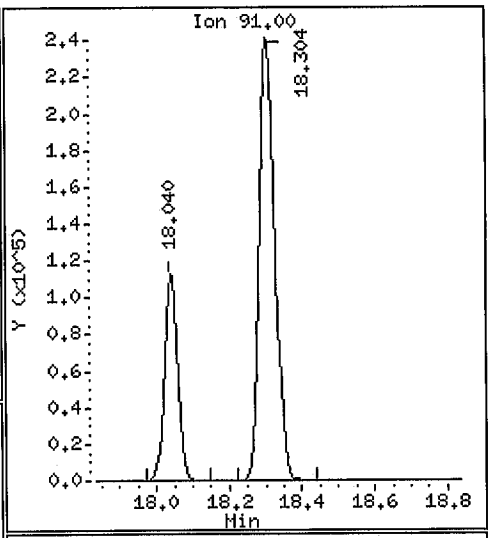
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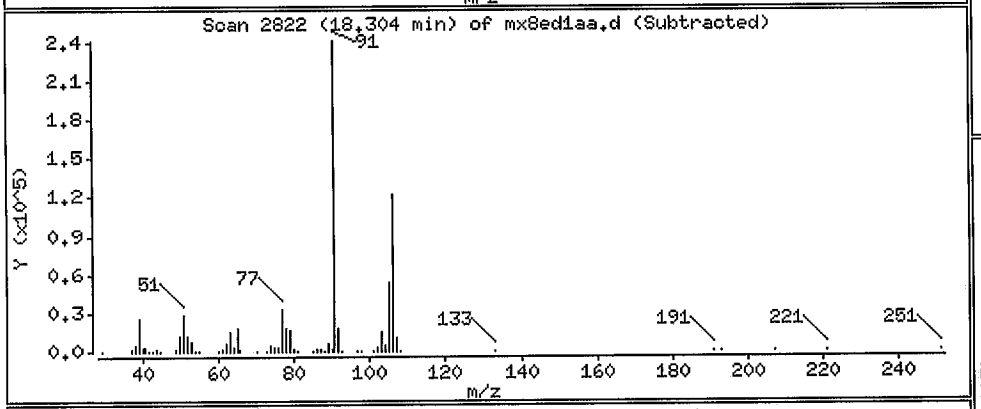
Purge Volume: 500.0 Operator: 403648

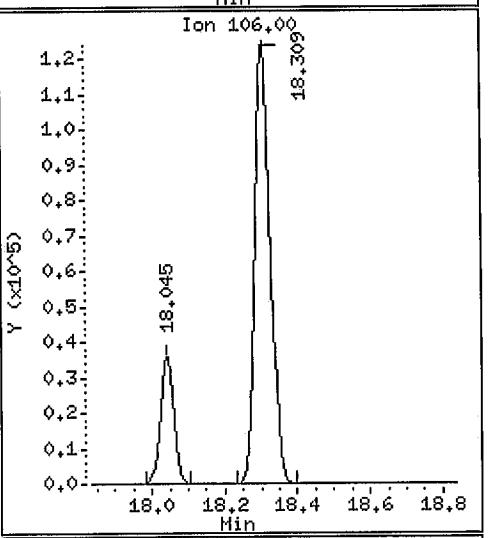
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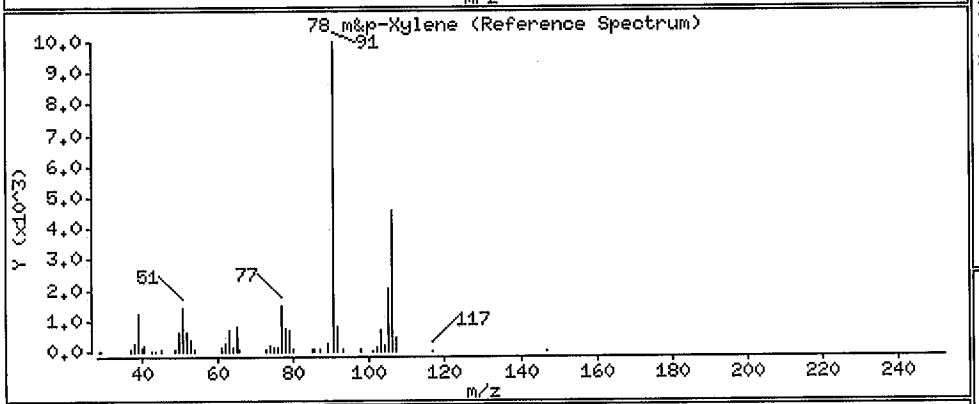
78 m&p-Xylene Concentration: 1.225 ppb(v/v)

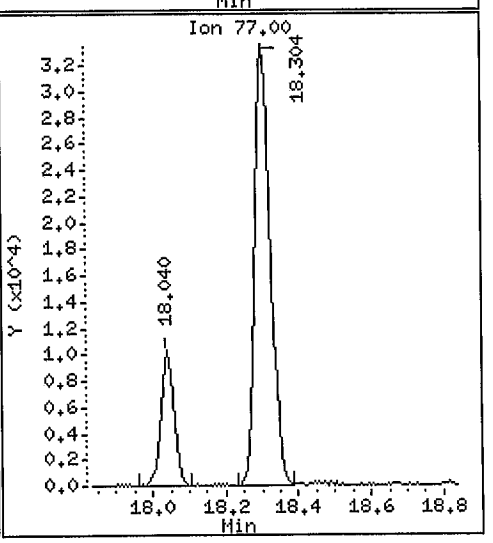


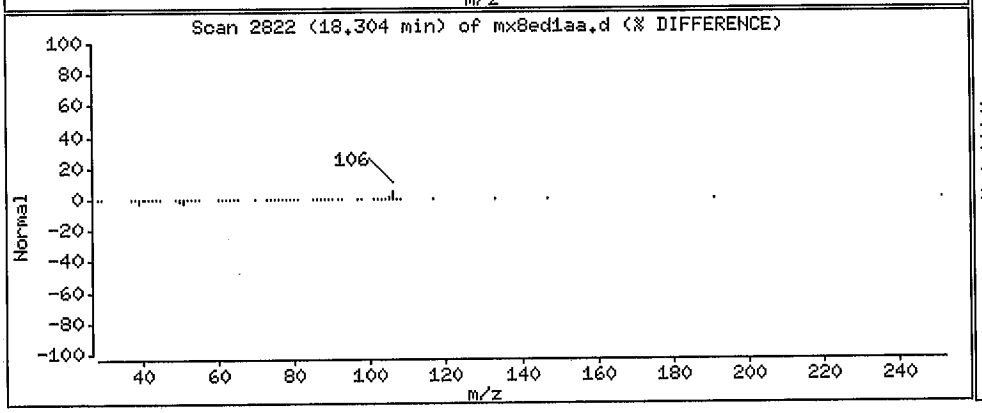












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Date : 28-FEB-2013 23:53

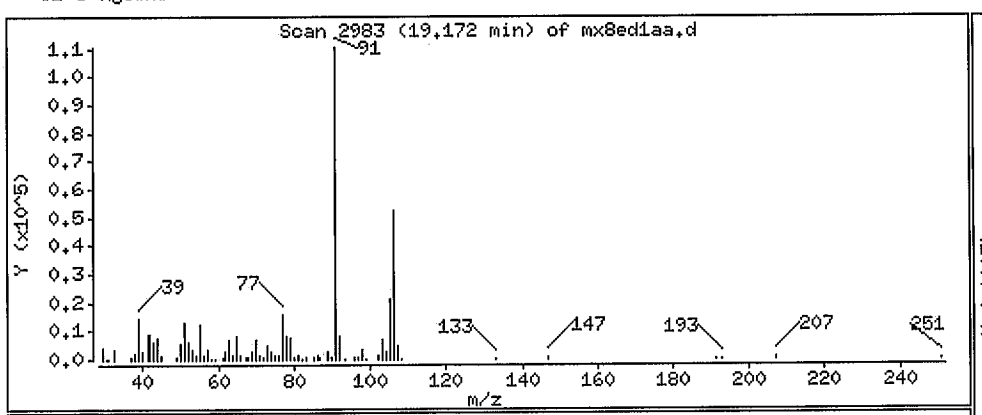
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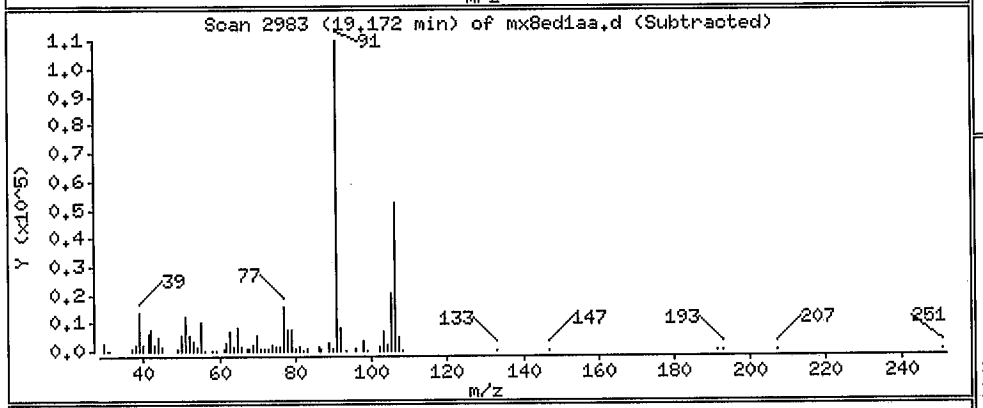
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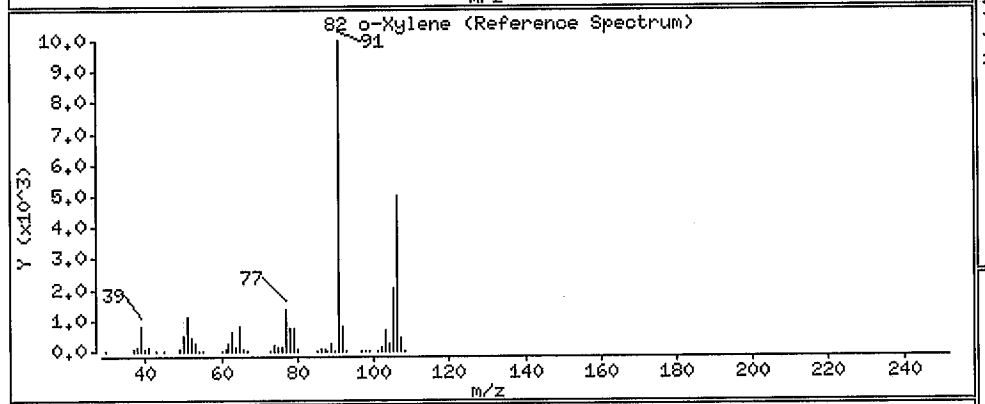
Purge Volume: 500.0 Operator: 403648

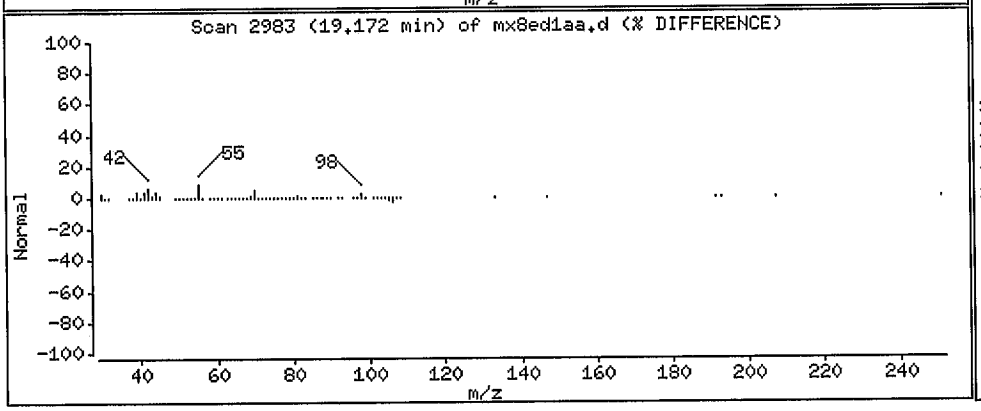
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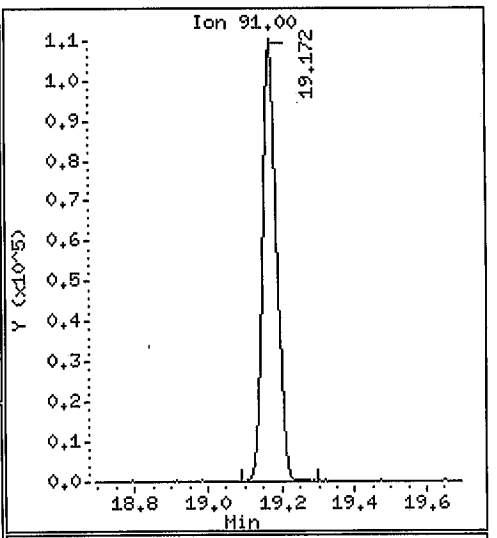
82 o-Xylene Concentration: 0.4692 ppb(v/v)

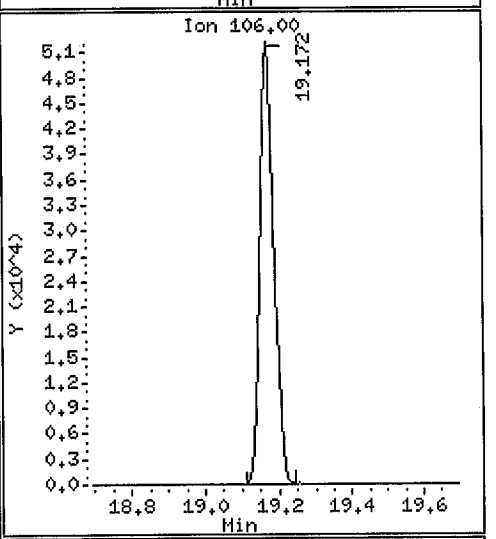


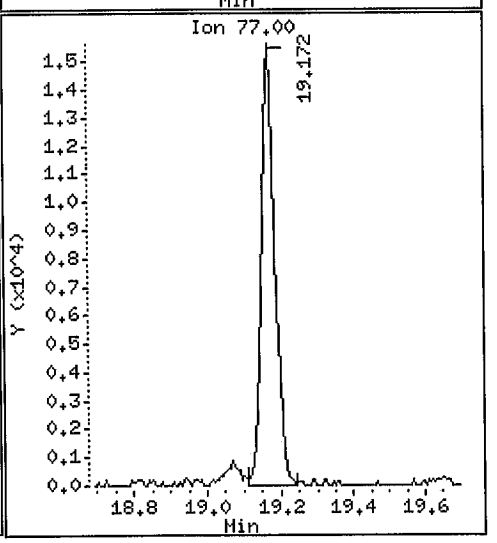












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

Client ID: 828076-IA-003B2-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

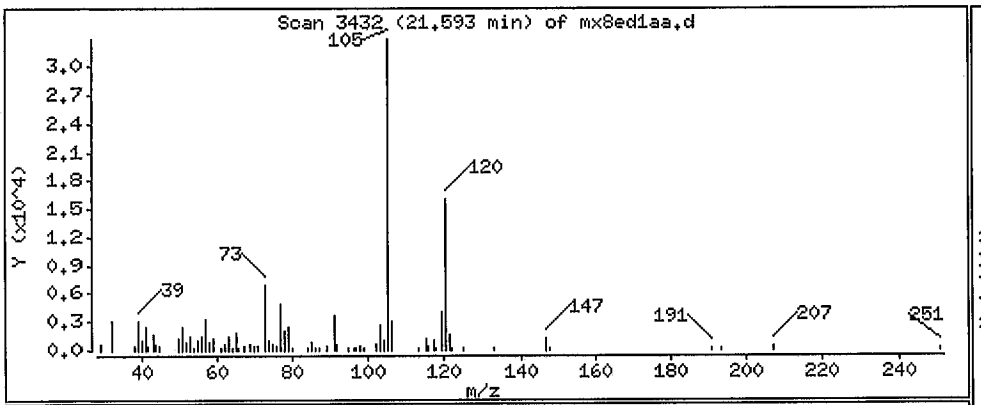
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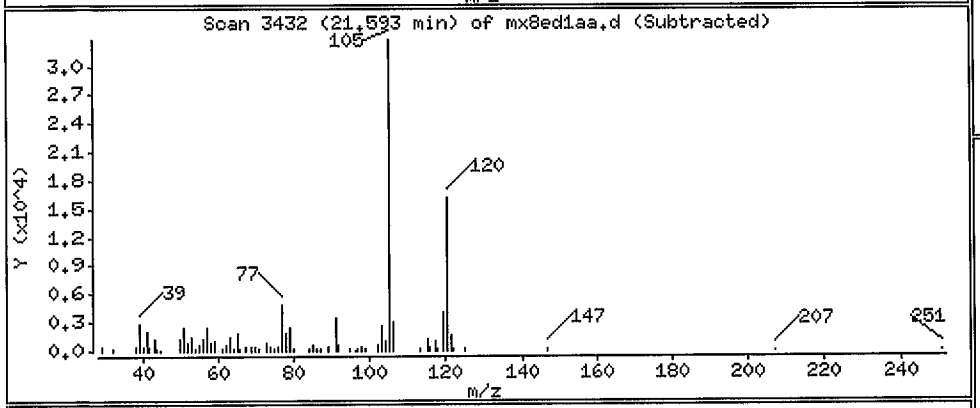
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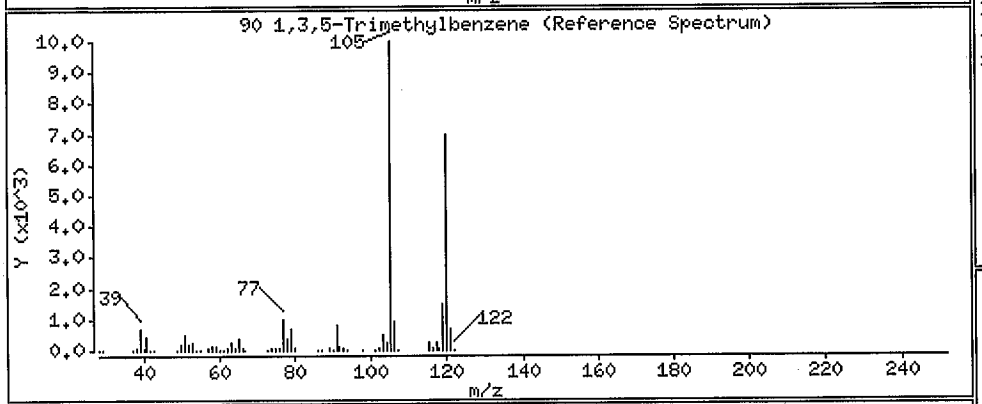
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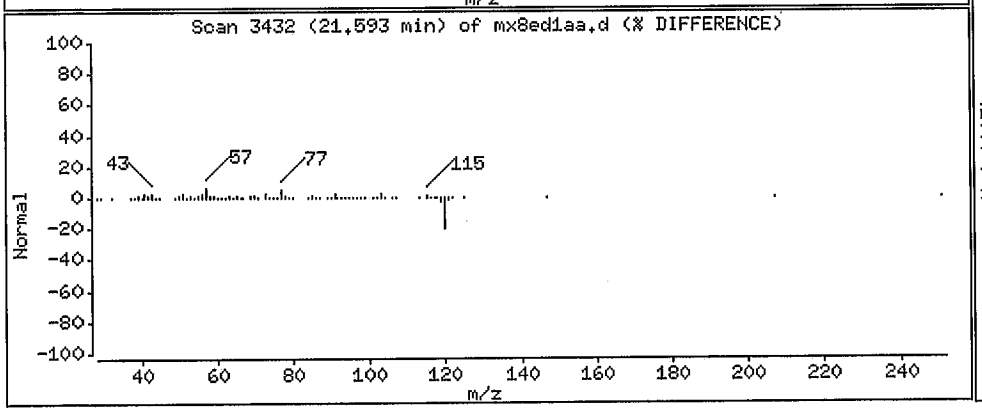
90 1,3,5-Trimethylbenzene

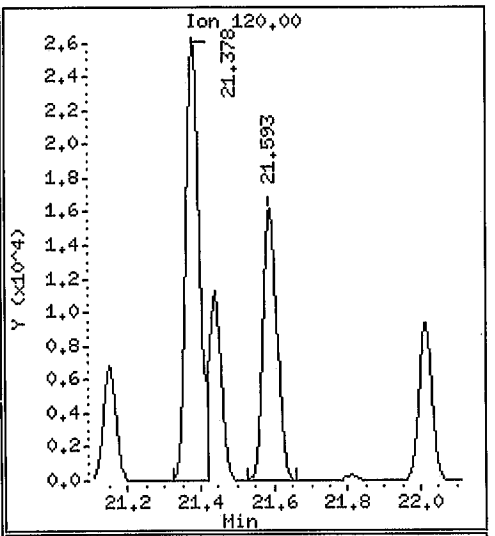
Concentration: 0.09746 ppb(v/v)

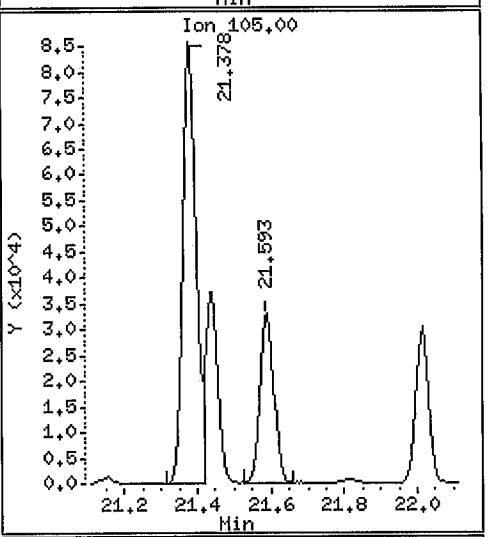


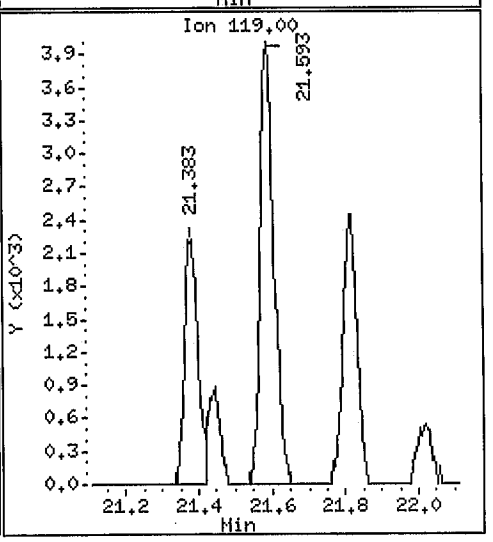












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

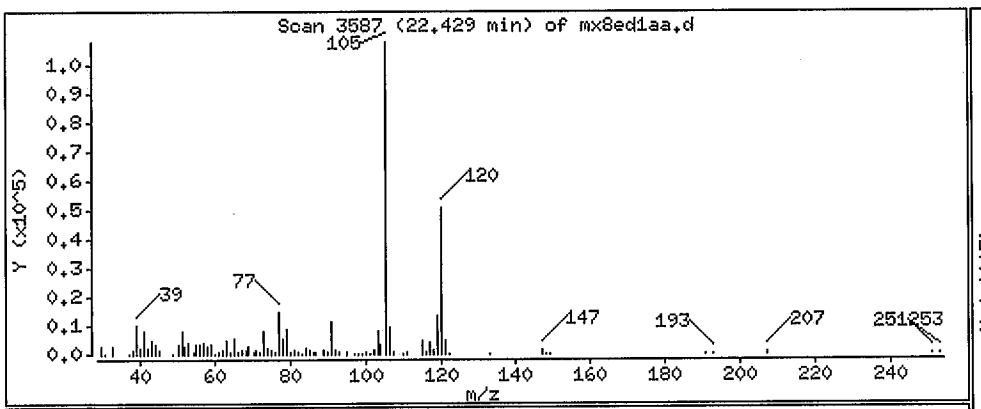
Client ID: 828076-IA-003B2-01 Instrument: mr.i

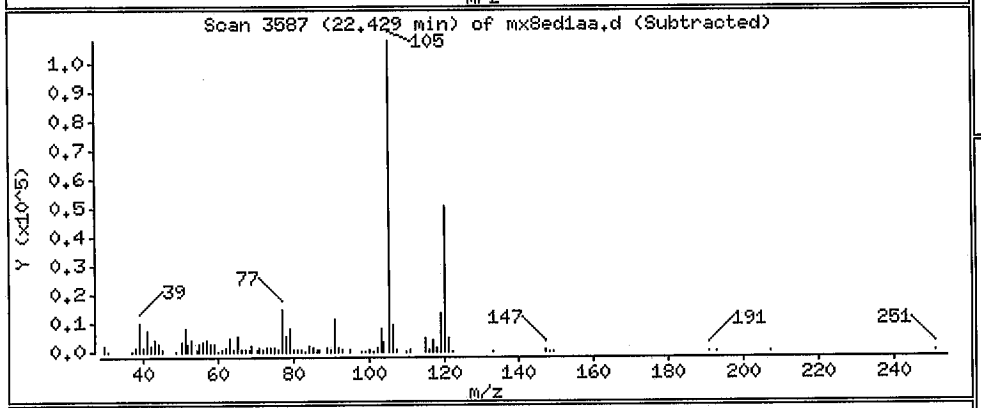
Sample Info: ,,0,,,

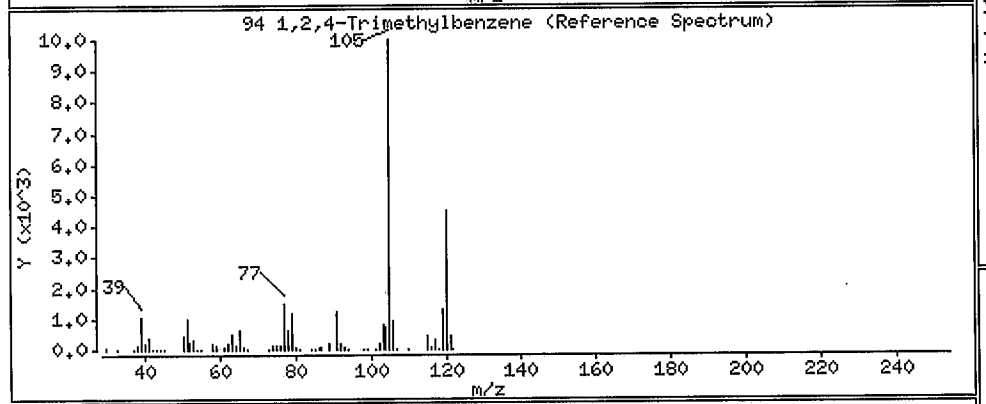
Purge Volume: 500.0 Operator: 403648

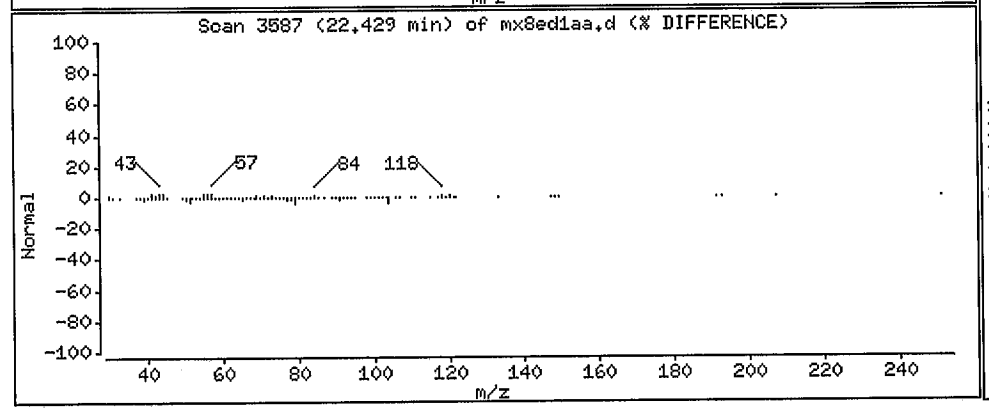
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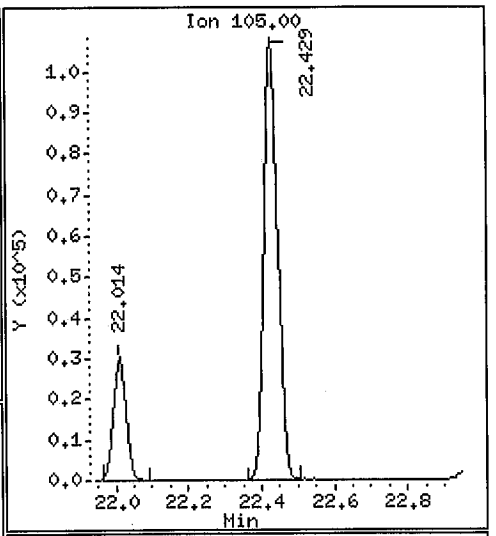
94 1,2,4-Trimethylbenzene Concentration: 0.3697 ppb(v/v)

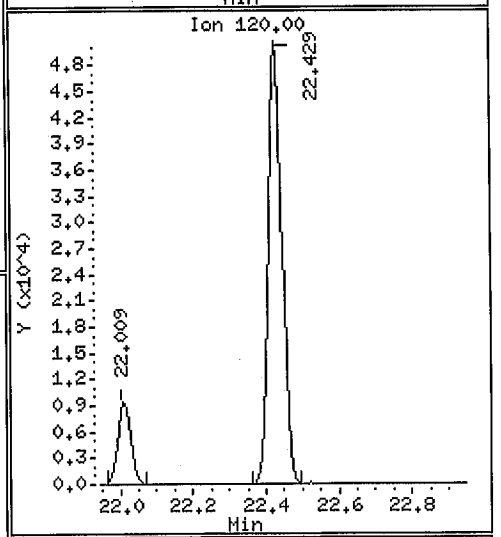


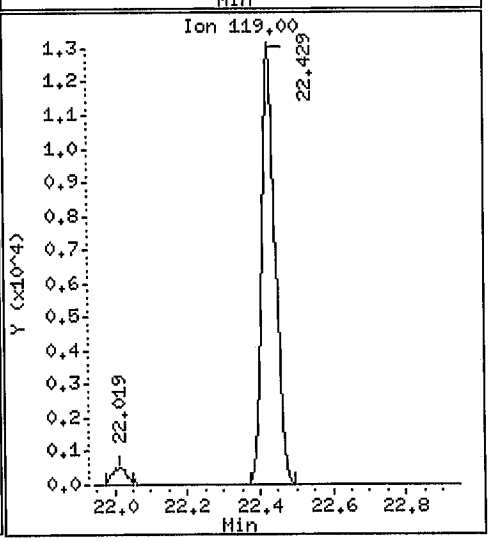












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

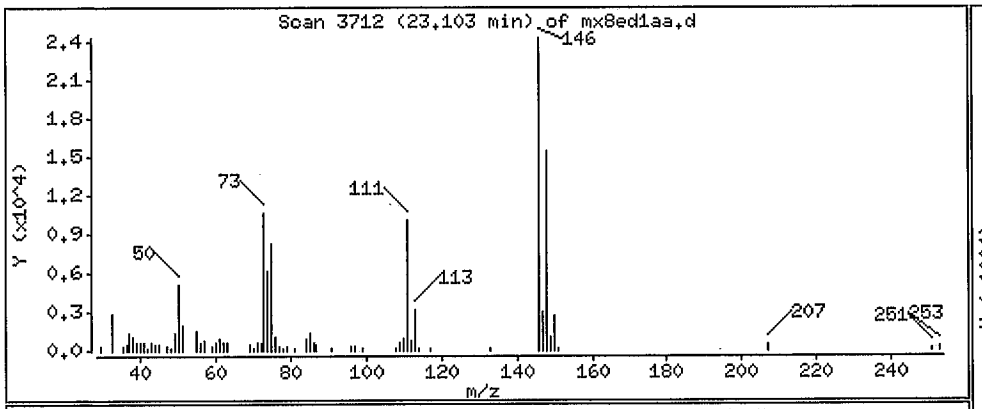
Client ID: 828076-IA-003B2-01 Instrument: mr.i

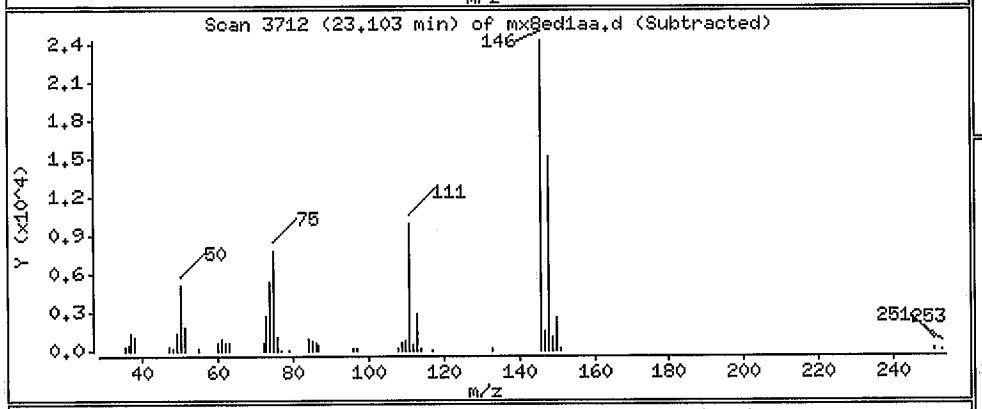
Sample Info: ,,0,,,

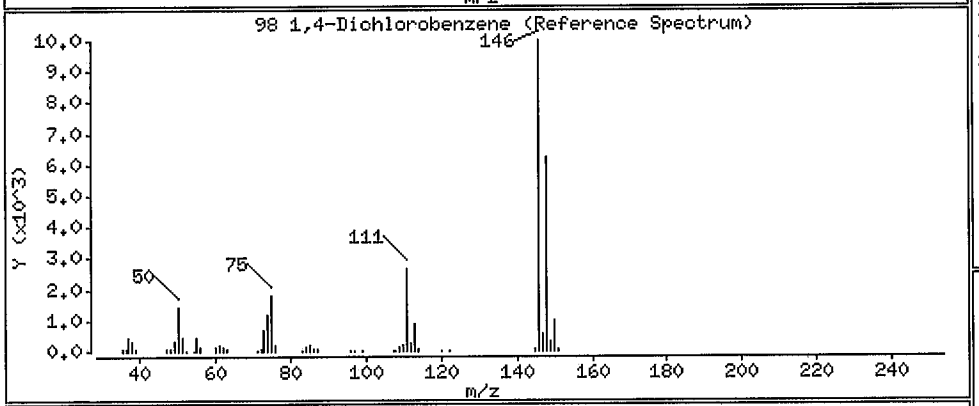
Purge Volume: 500.0 Operator: 403648

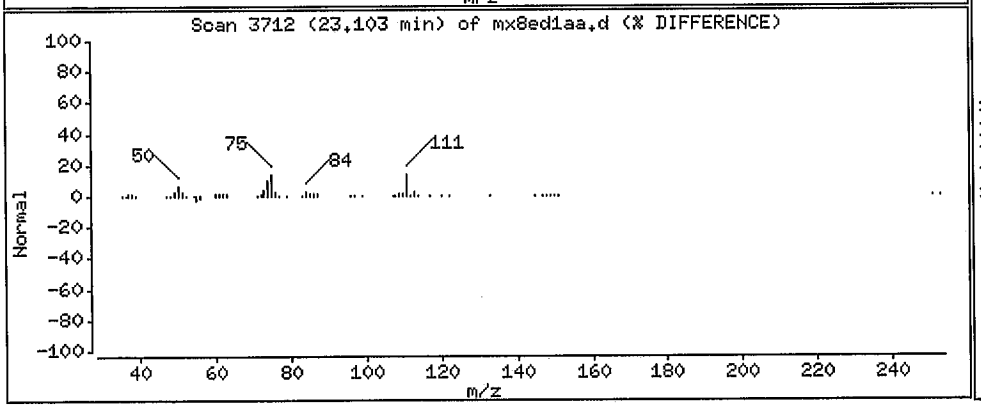
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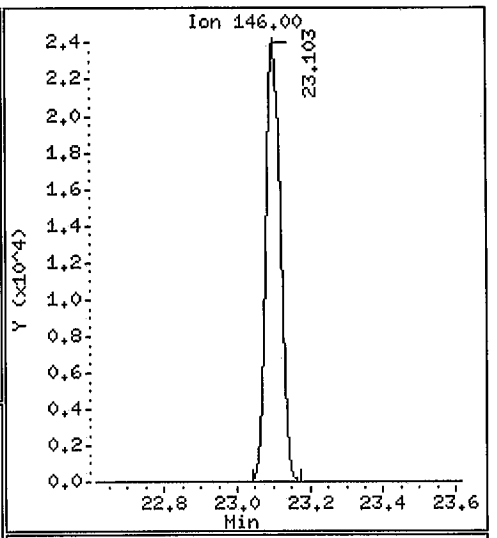
98 1,4-Dichlorobenzene Concentration: 0.1248 ppb(v/v)

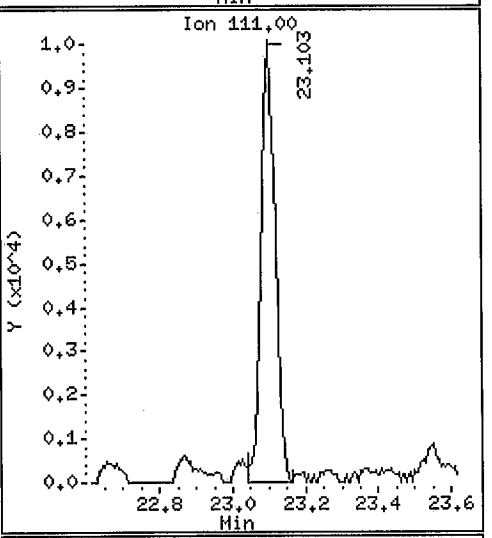


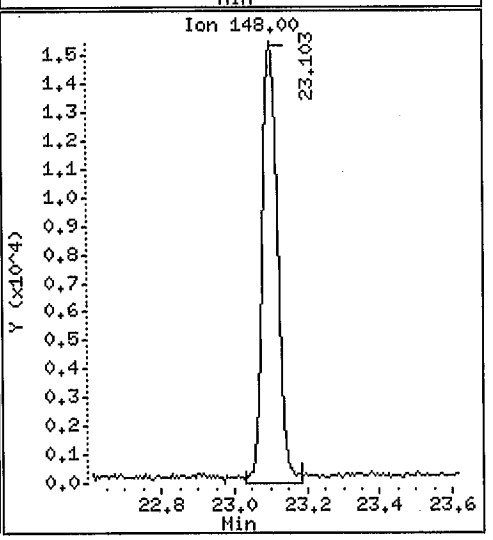












Data File: /var/chem/goms/mr.i/R022813.b/mx8ed1aa.d

Date : 28-FEB-2013 23:53

Client ID: 828076-IA-003B2-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

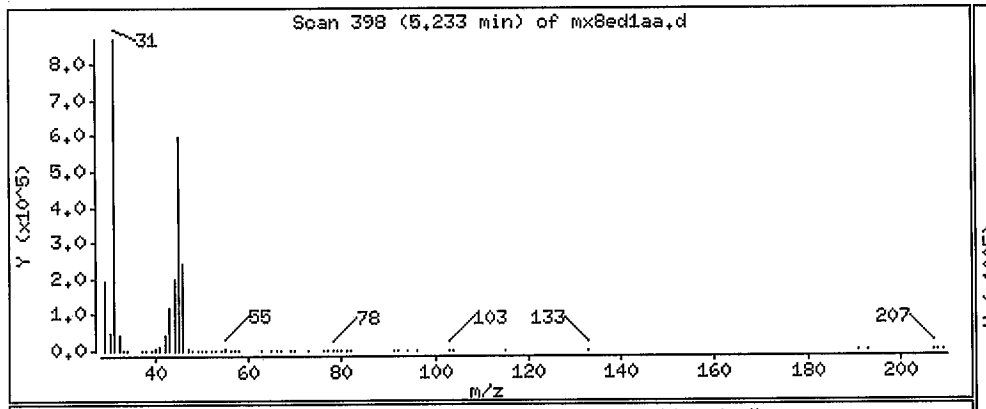
Operator: 403648

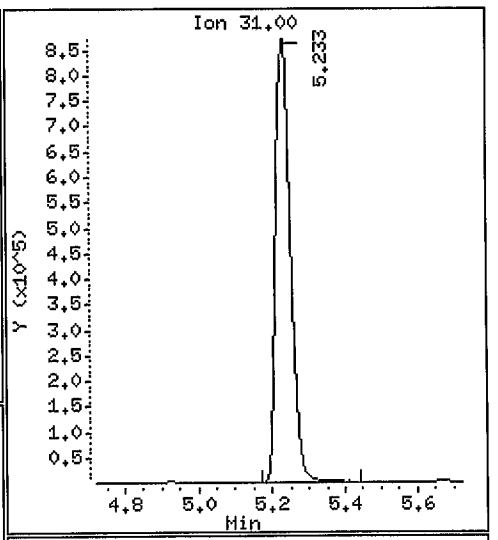
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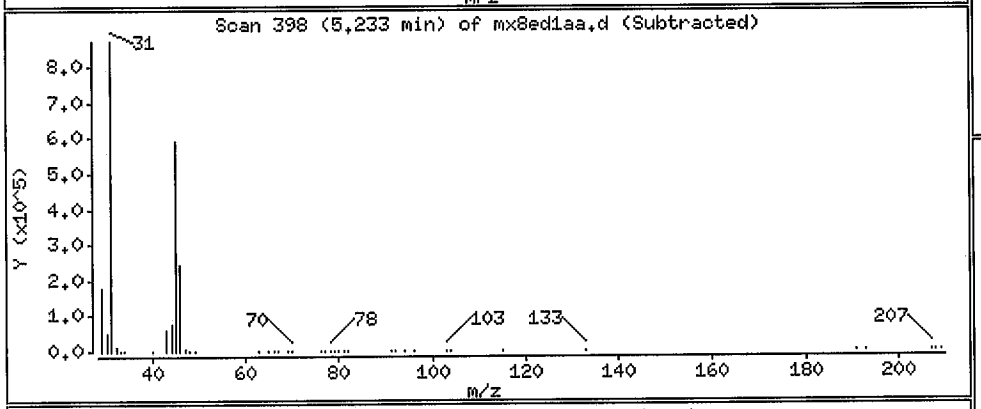
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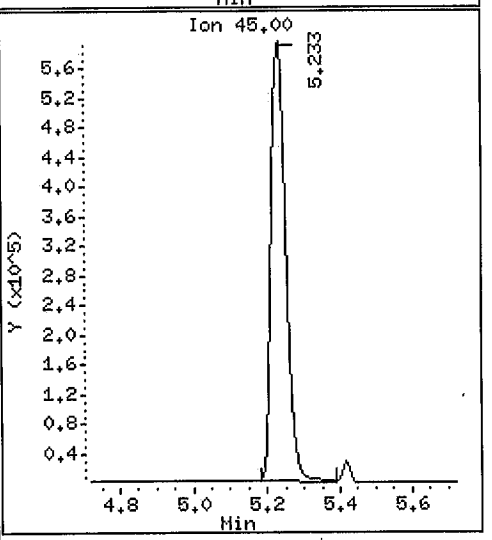
17 ~ ethanol

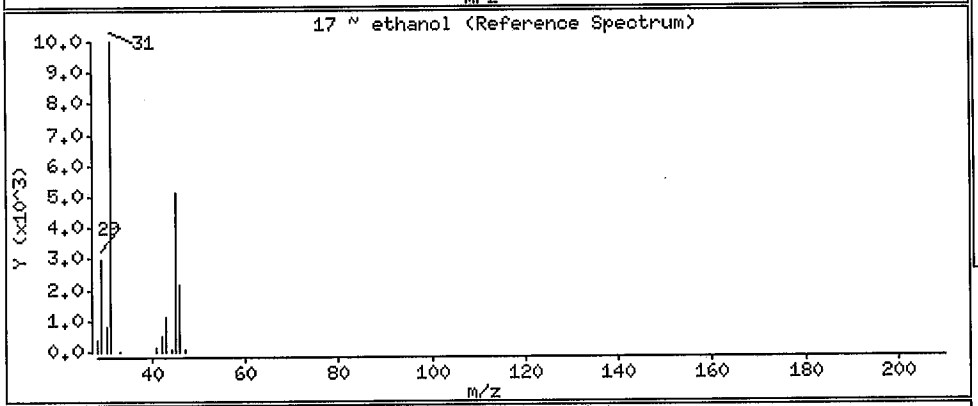
Concentration: 43.94 ppb(v/v)

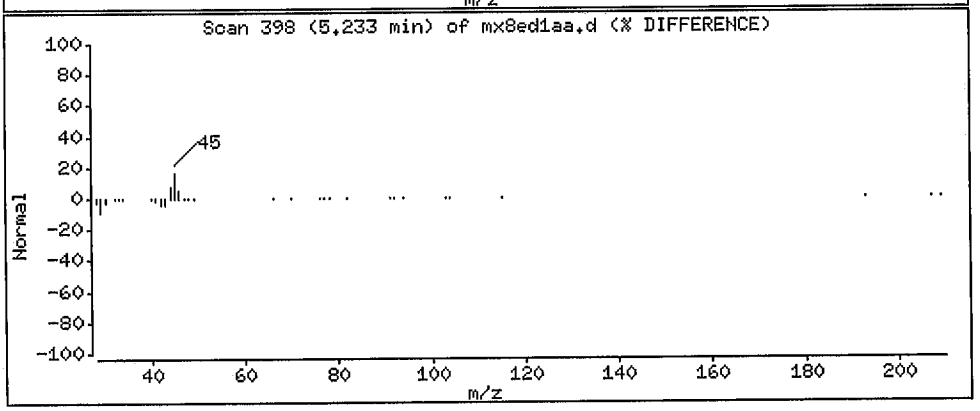












New York State D.E.C.

Client Sample ID: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 006 **Work Order #** MX8EE1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.52**	**0.40**	**2.6**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**0.62**	**0.40**	**1.6**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.48**	**0.40**	**2.4**	**2.0**
Ethanol	**5.9**	**4.0**	**11**	**7.5**
Ethylbenzene	**0.70**	**0.40**	**3.1**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 006 **Work Order #** MX8EE1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**4.5**	**0.80**	**16**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.63**	**0.40**	**2.7**	**1.7**
tert-Butyl alcohol	**2.5**	**1.6**	**7.6**	**4.9**
Tetrachloroethene	**0.50**	**0.40**	**3.4**	**2.7**
Toluene	**4.9**	**0.40**	**19**	**1.5**
m-Xylene & p-Xylene	**2.8**	**0.40**	**12**	**1.7**
o-Xylene	**0.90**	**0.40**	**3.9**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**1.9**	**0.20**	**10**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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/mg.i/G030113A.b/mx8ee1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d
Lab Smp Id: MX8EE1AA Client Smp ID: 828076-SS-003B2-02
Inj Date : 01-MAR-2013 14:32
Operator : 7126 Inst ID: mg.i
Smp Info : ,5,0,,,
Misc Info : G030113A,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 02-Mar-2013 12:55 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 1
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	5.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	7.581	7.581	(1.000)	315908	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.646	9.652	(1.000)	1432302	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1287348	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	939180	4.11462	4.115
7 Dichlorodifluoromethane	85	3.499	3.493	(0.462)	27334	0.09641	0.4820
16 Chloroethane	64	4.157	4.151	(0.548)	4638	0.12420	0.6210
28 tert-butanol	59	5.246	5.235	(0.692)	68970	0.50425	2.521
36 Methyl-t-Butyl Ether	73	6.184	6.179	(0.816)	201006	0.90450	4.522
56 Trichloroethene	130	10.363	10.369	(1.074)	57193	0.38055	1.903
65 Toluene	91	12.531	12.536	(0.859)	335644	0.98418	4.921
73 Tetrachloroethene	129	13.712	13.712	(0.940)	13280	0.09928	0.4964
76 Ethylbenzene	91	14.931	14.936	(1.023)	59213	0.14064	0.7032
78 m&p-Xylene	91	15.098	15.103	(1.035)	181008	0.55419	2.771
81 Styrene	104	15.588	15.588	(1.068)	29816	0.12539	0.6269
82 o-Xylene	91	15.637	15.637	(1.072)	59555	0.17926	0.8963
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	39551	0.10383	0.5192

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d
Report Date: 02-Mar-2013 12:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
17 ~ ethanol	31	4.264	4.254	(0.563)	29916	1.17968	5.898

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8ee1aa.d
Lab Smp Id: MX8EE1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: 828076-SS-003B2-02
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	315908	-17.98
2 1,4-Difluorobenze	1517394	902849	2131939	1432302	-5.61
3 Chlorobenzene-d5	1361313	809981	1912645	1287348	-5.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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.

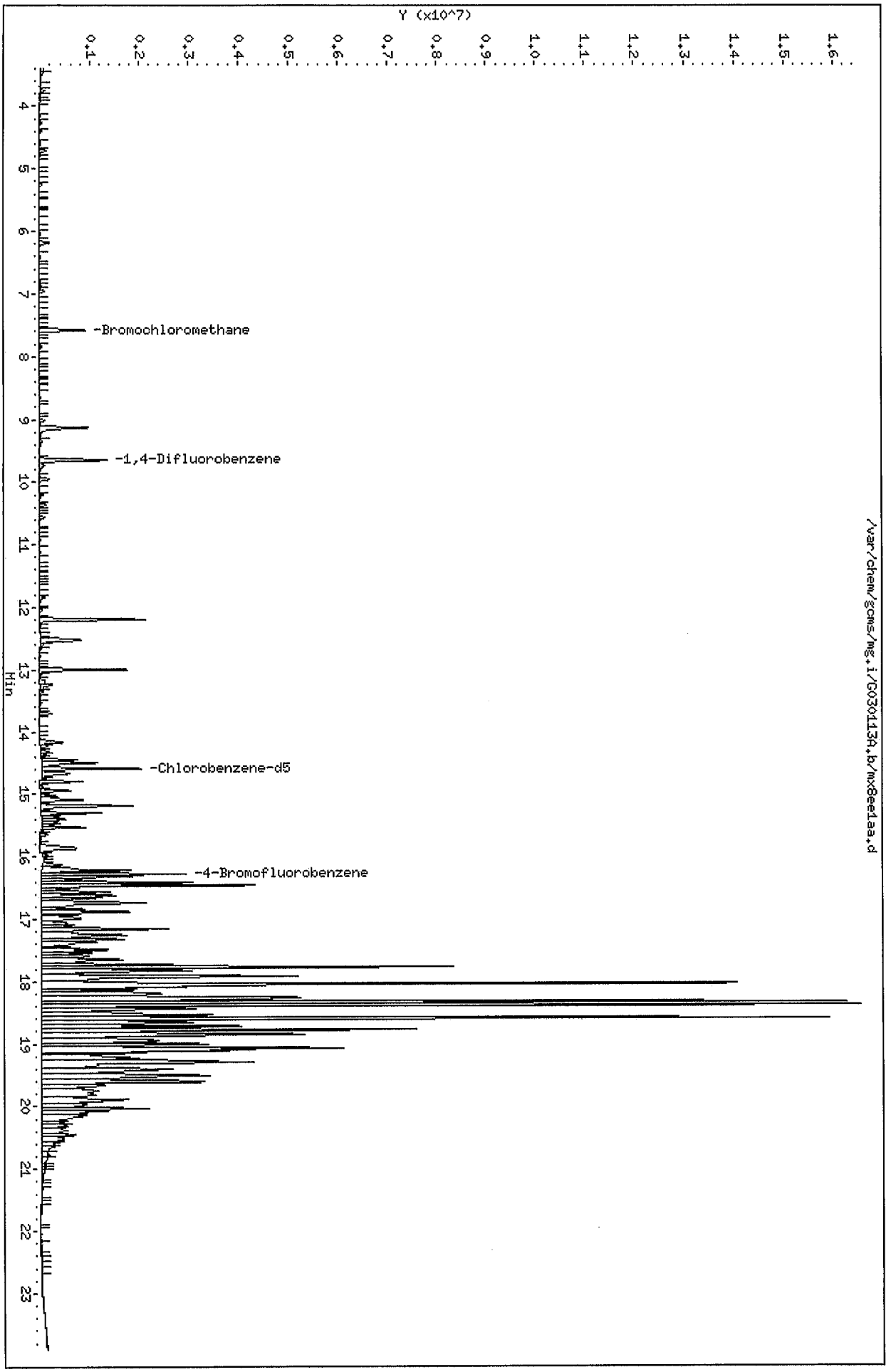
Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EE1AA Client Smp ID: 828076-SS-003B2-02
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.115	102.87	60-140


Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d
Date : 01-MAR-2013 14:32
Client ID: 828076-SS-00382-02
Sample Info: ,5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

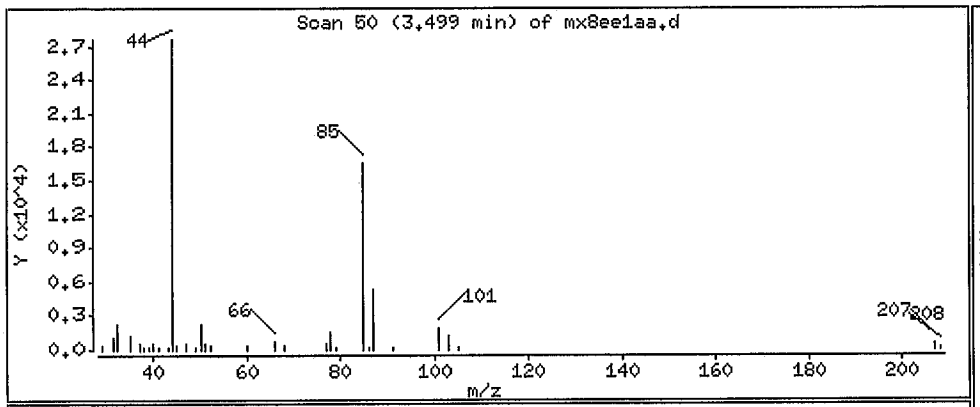
Client ID: 828076-SS-003B2-02 Instrument: mg.i

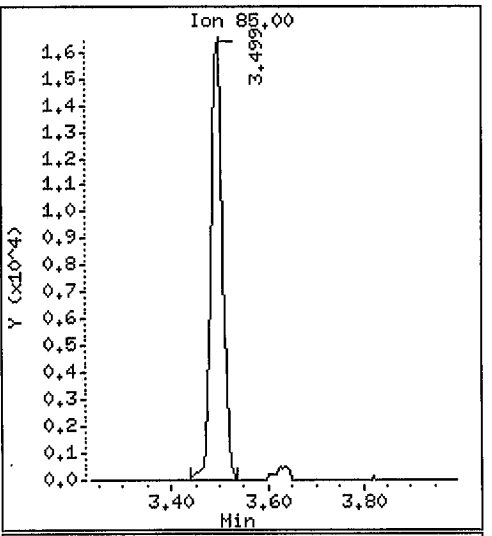
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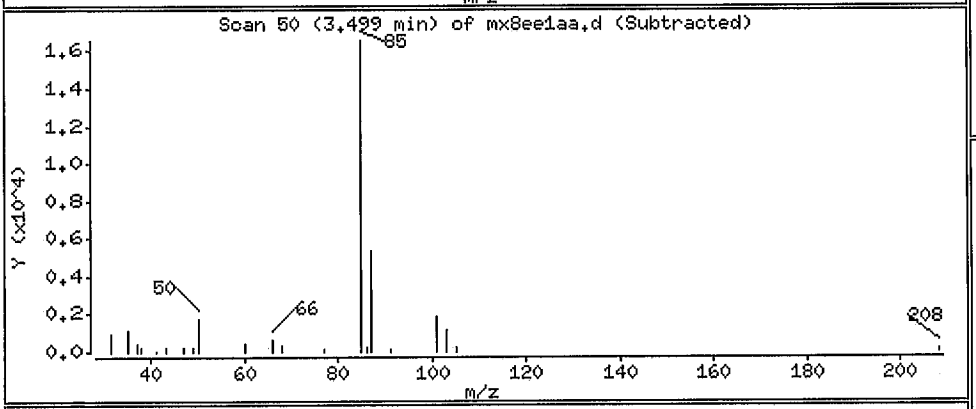
Purge Volume: 500.0 Operator: 7126

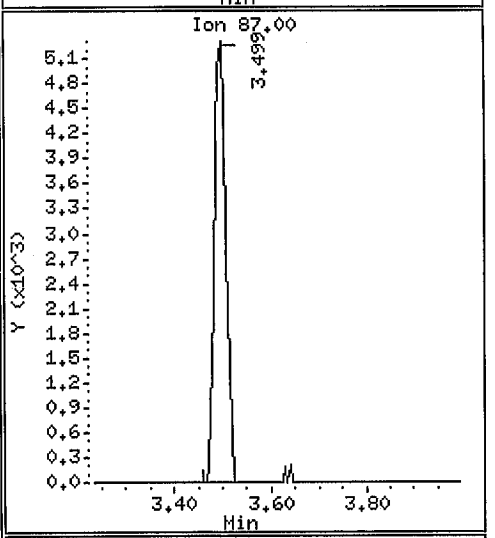
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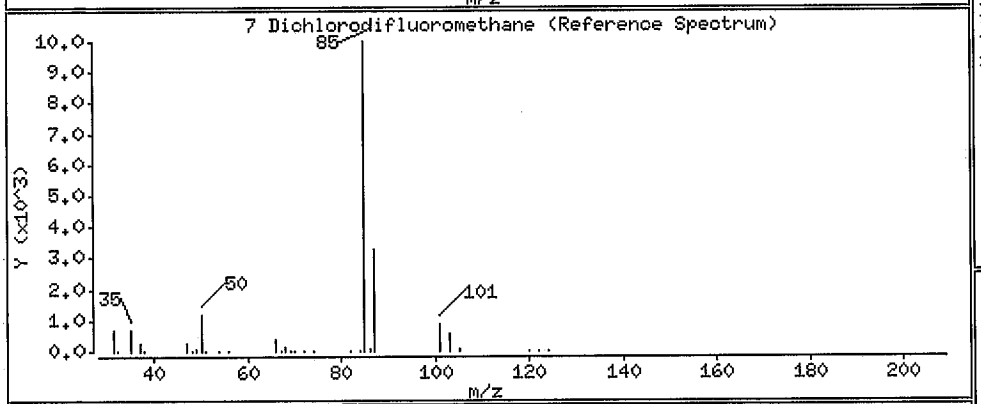
7 Dichlorodifluoromethane Concentration: 0.4820 ppb(v/v)

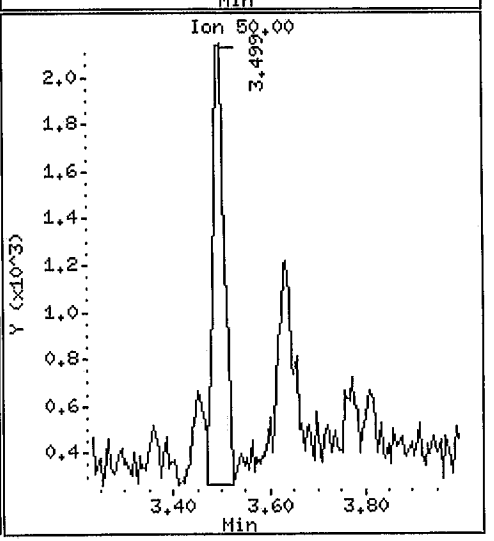


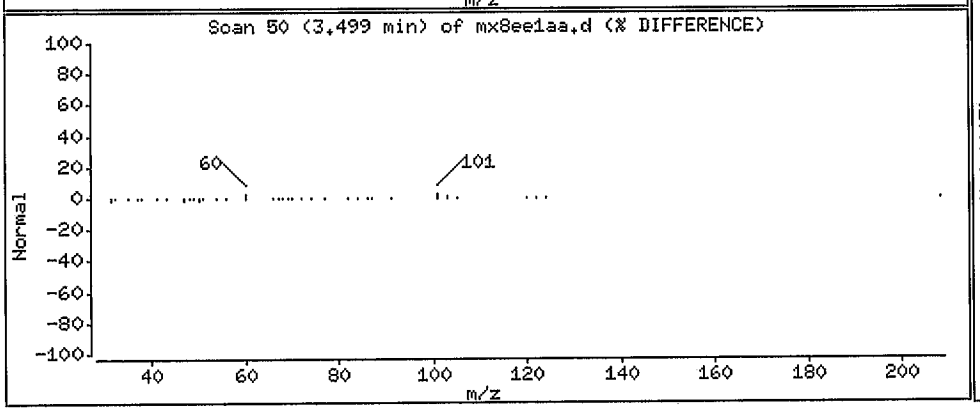












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

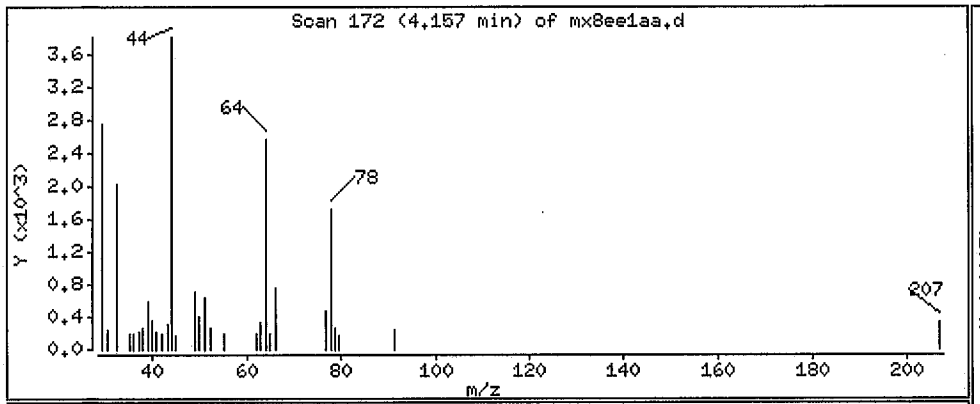
Client ID: 828076-SS-003B2-02 Instrument: mg.i

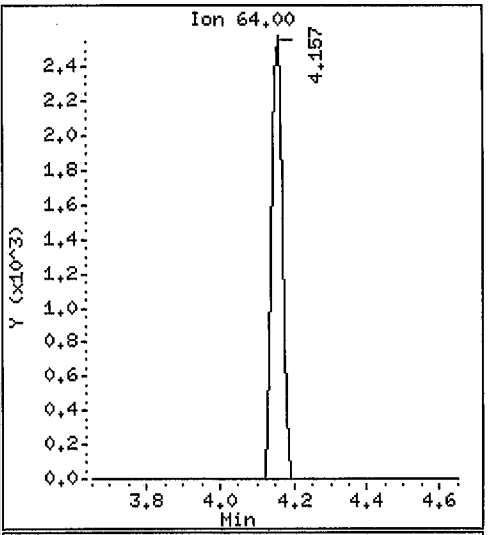
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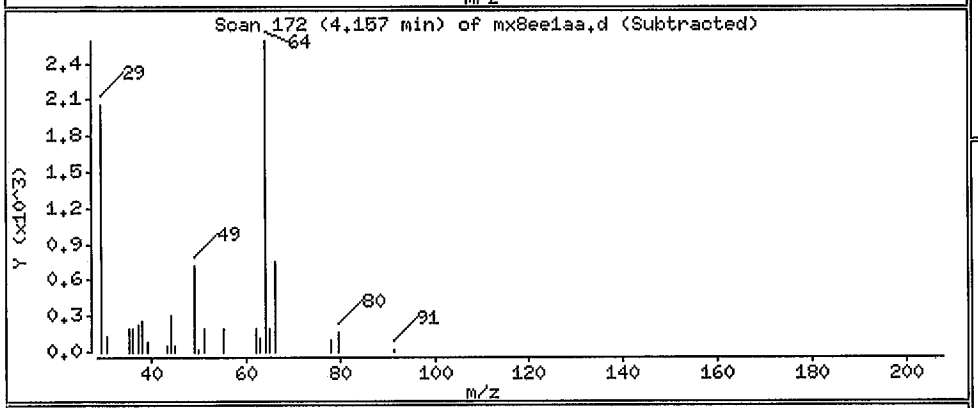
Purge Volume: 500.0 Operator: 7126

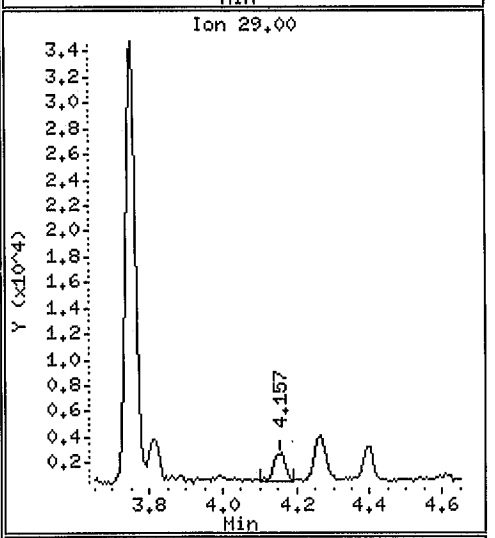
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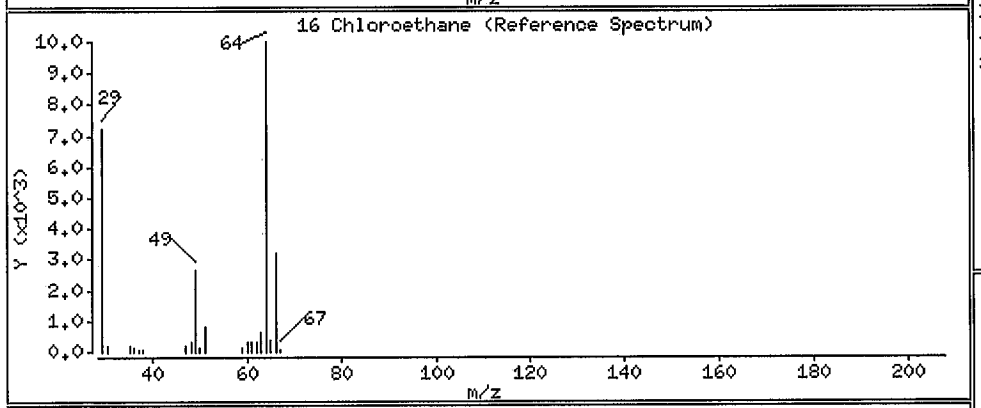
16 Chloroethane Concentration: 0.6210 ppb(v/v)

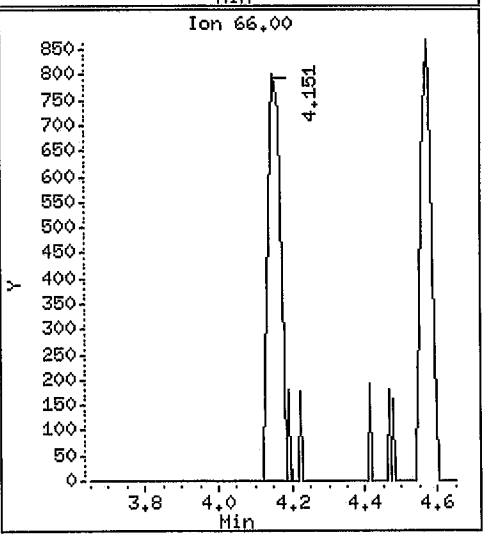


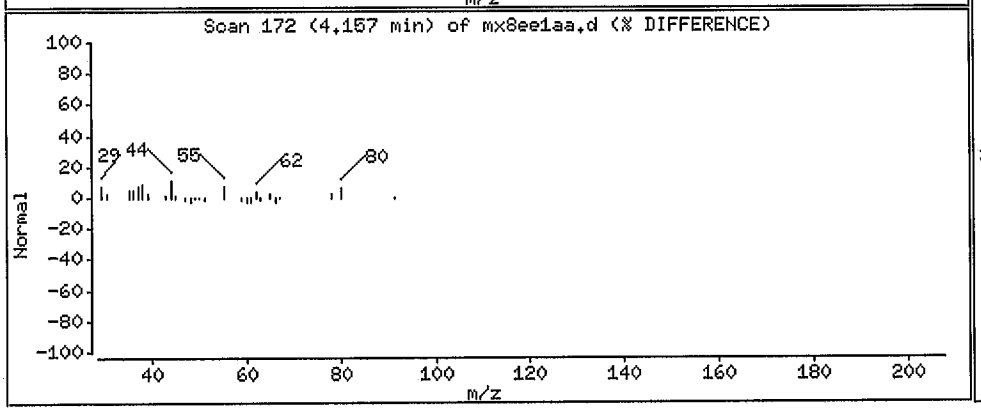












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

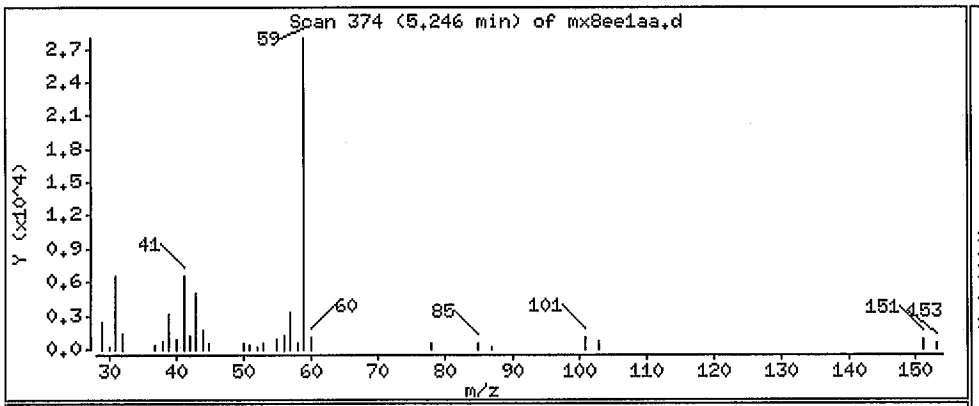
Client ID: 828076-SS-003B2-02 Instrument: mg.i

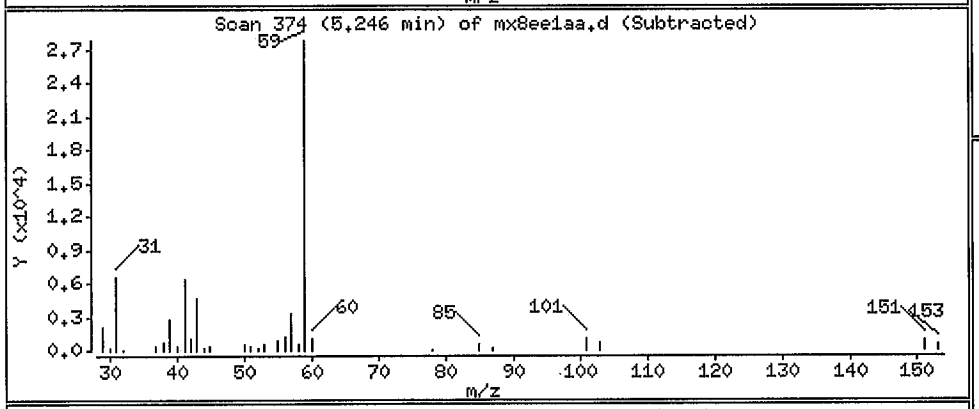
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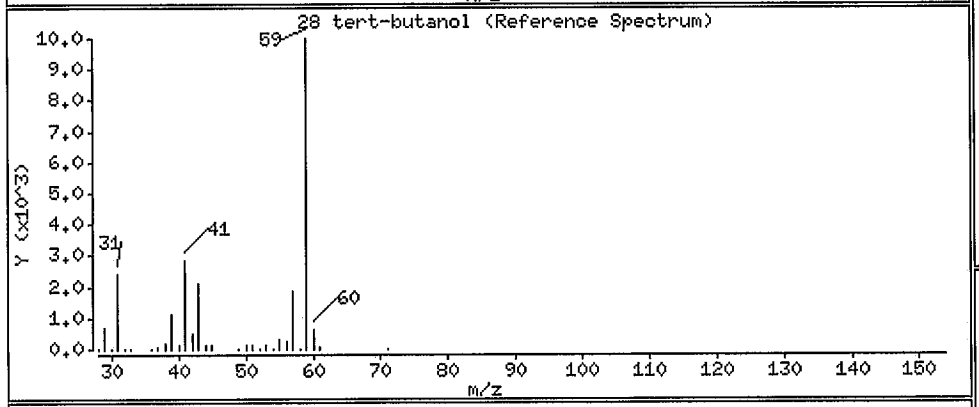
Purge Volume: 500.0 Operator: 7126

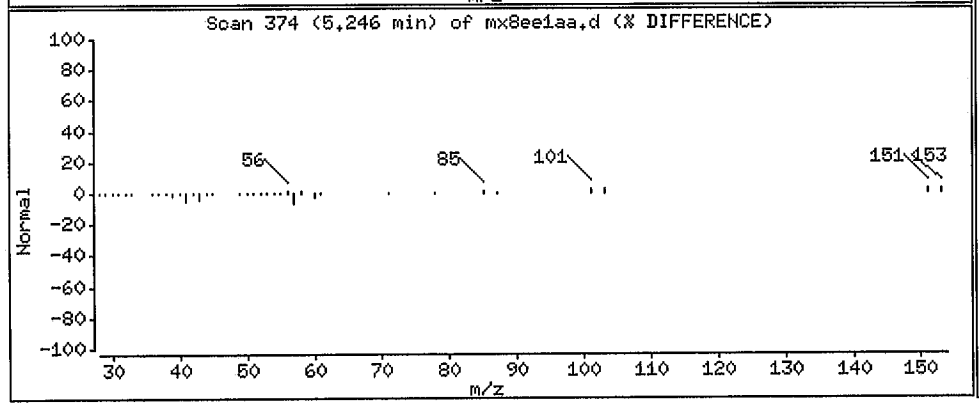
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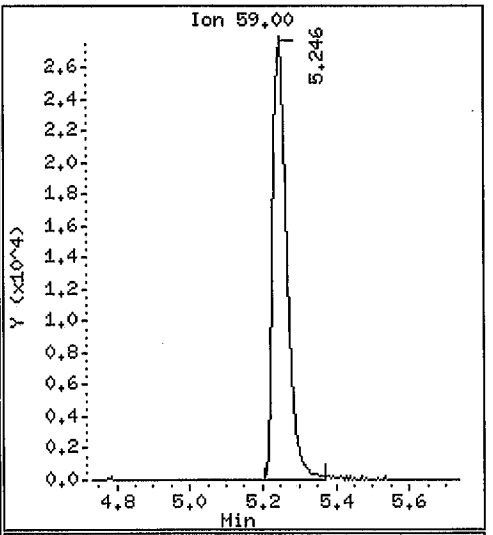
28 tert-butanol Concentration: 2.521 ppb(v/v)

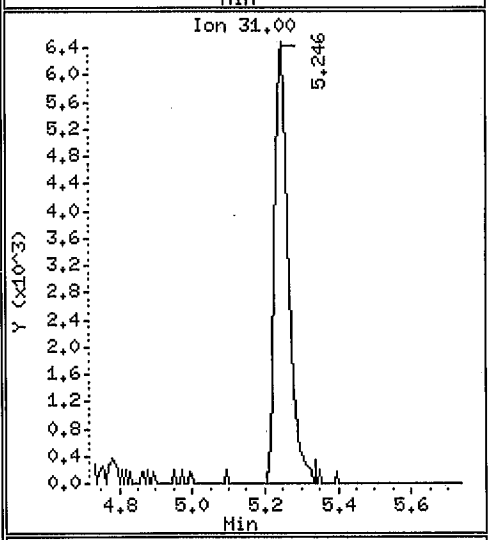


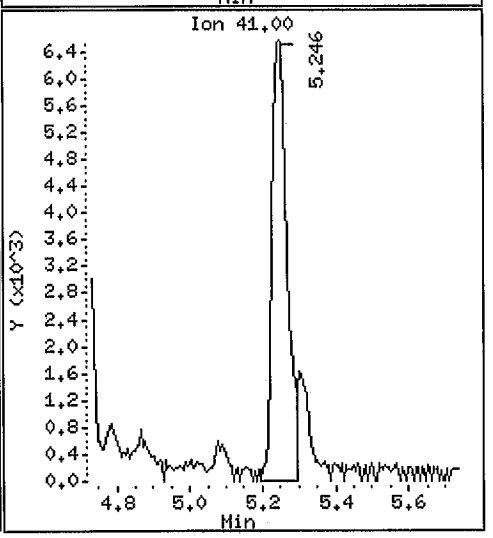












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

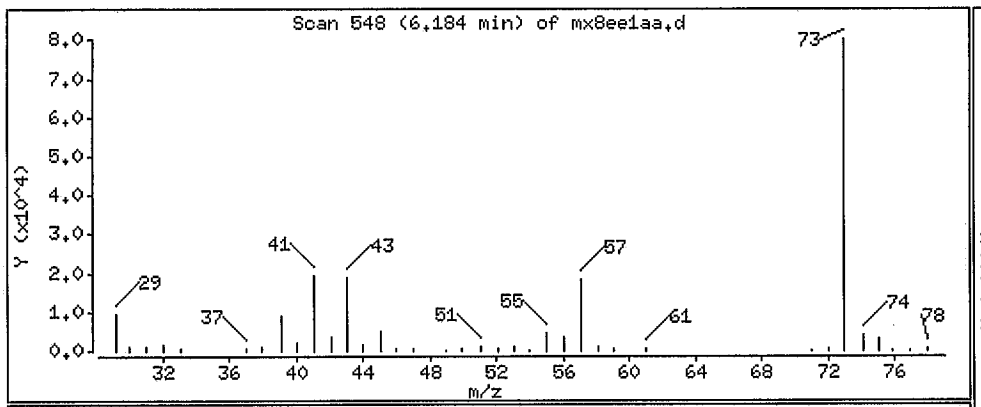
Client ID: 828076-SS-003B2-02 Instrument: mg.i

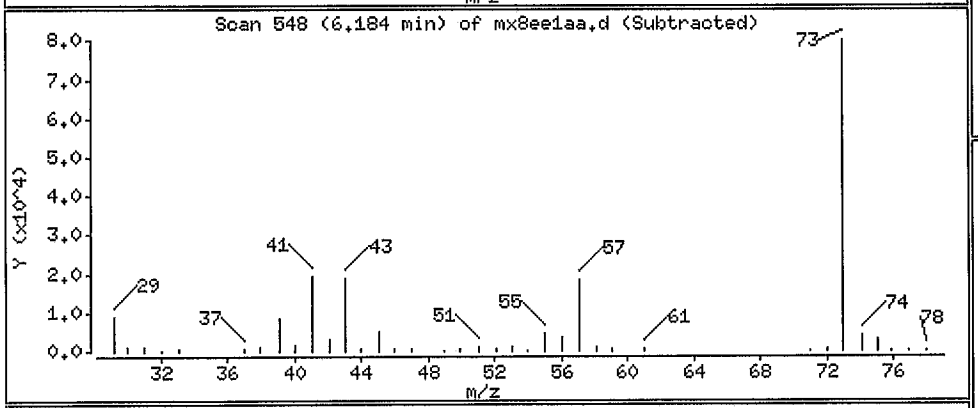
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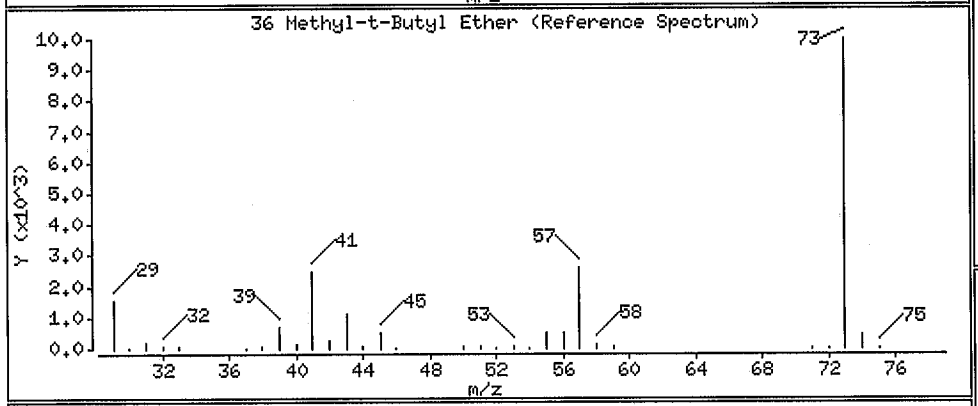
Purge Volume: 500.0 Operator: 7126

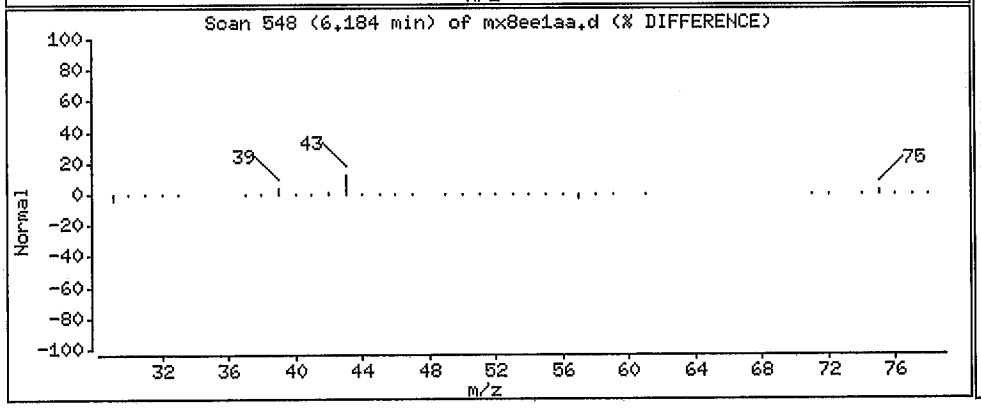
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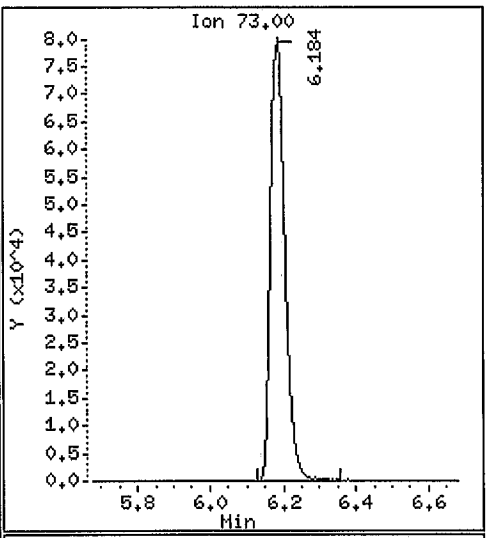
36 Methyl-t-Butyl Ether Concentration: 4.522 ppb(v/v)

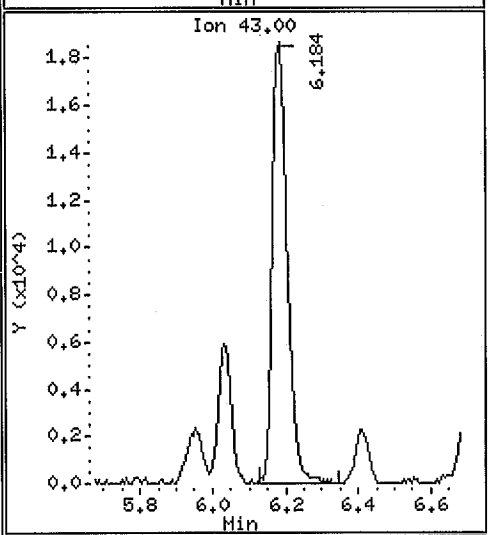


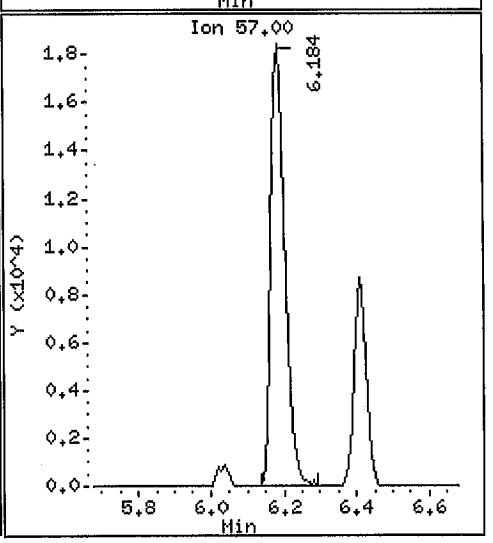












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

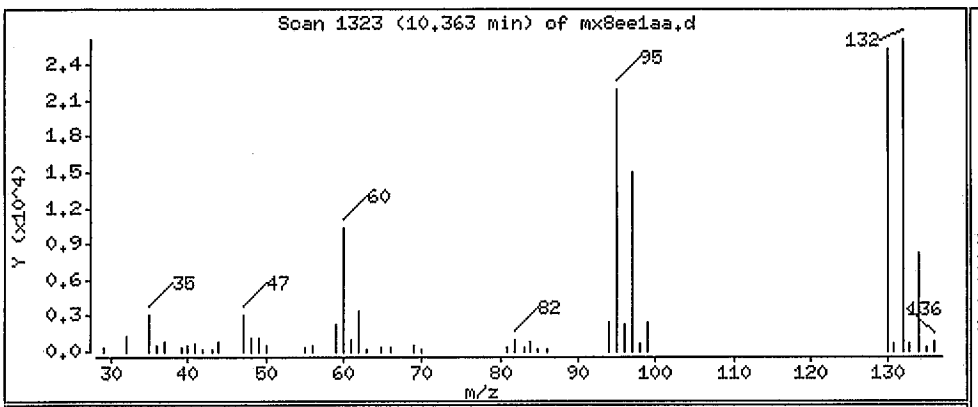
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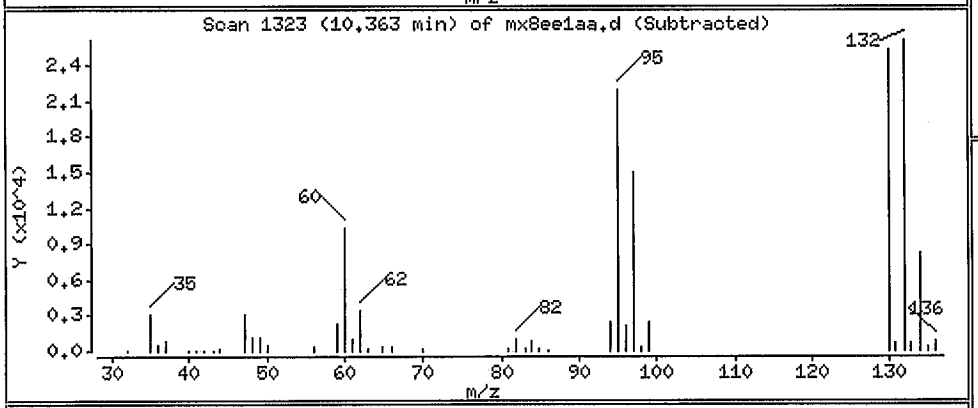
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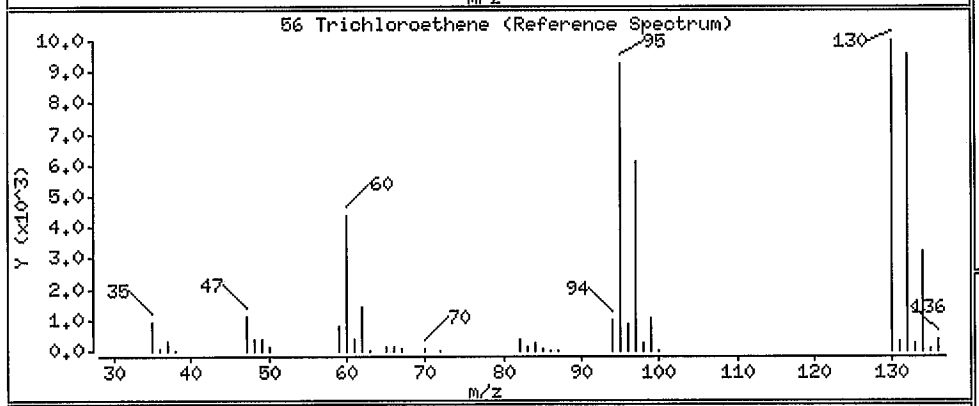
Purge Volume: 500.0 Operator: 7126

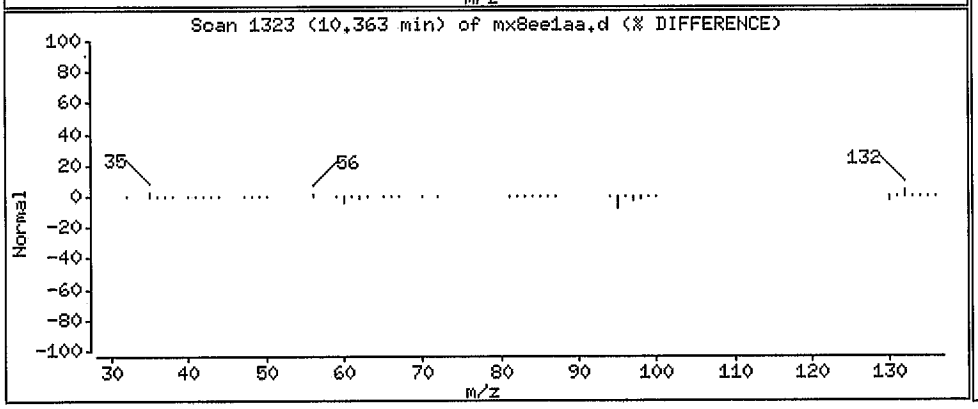
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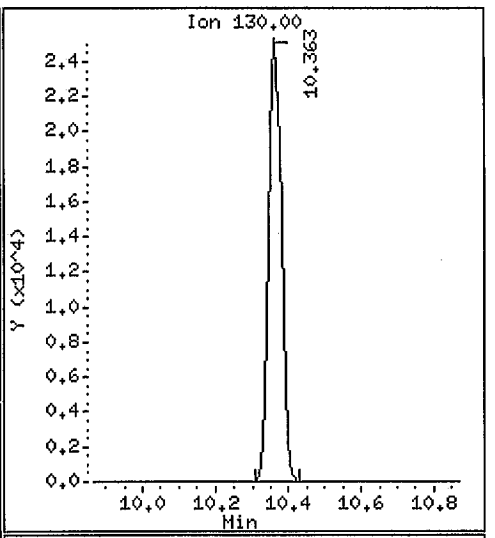
56 Trichloroethene Concentration: 1.903 ppb(v/v)

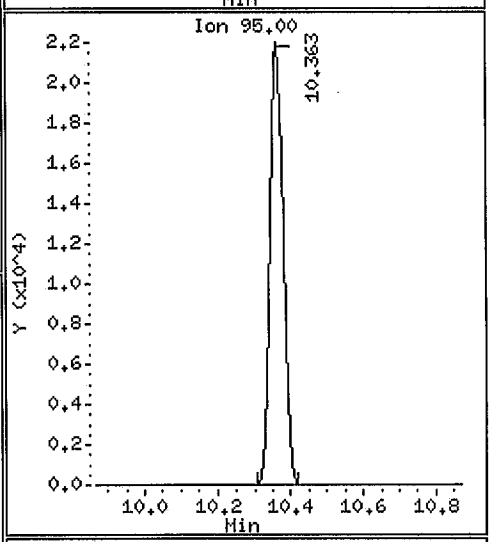


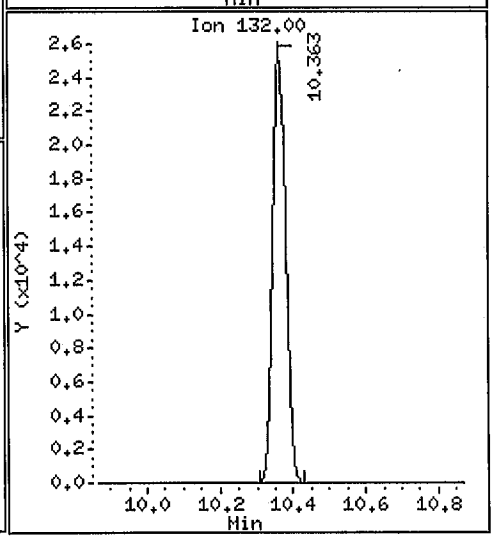












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Date : 01-MAR-2013 14:32

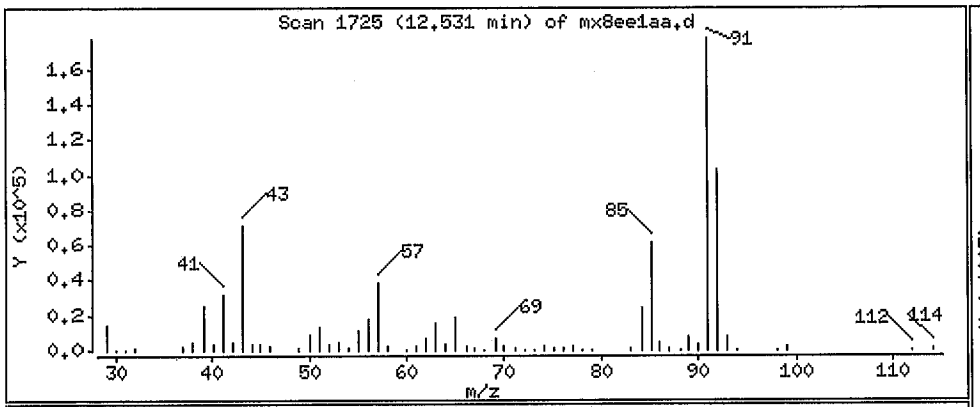
Client ID: 828076-SS-003B2-02 Instrument: mg.i

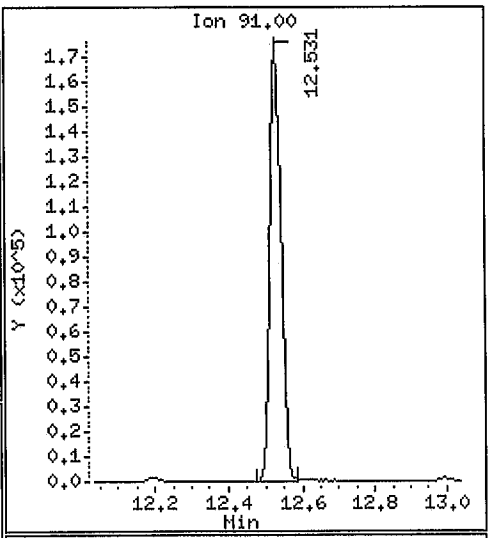
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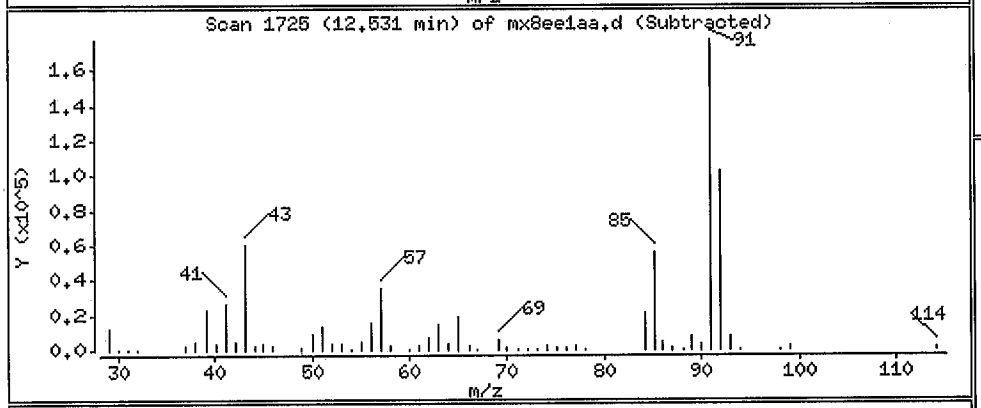
Purge Volume: 500.0 Operator: 7126

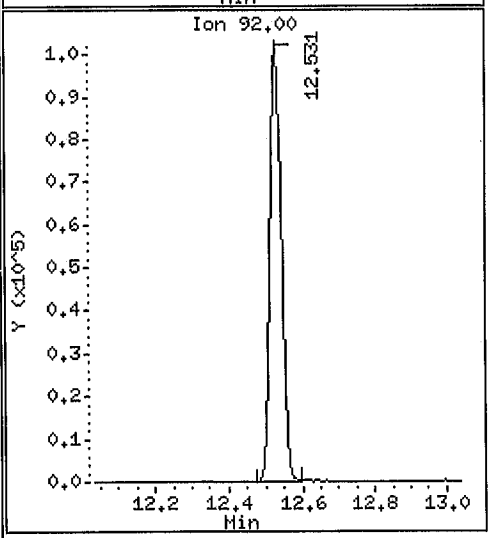
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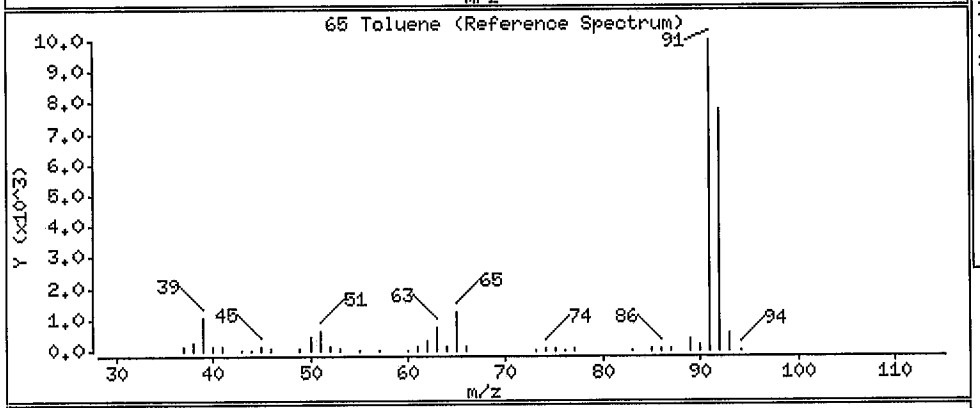
65 Toluene Concentration: 4.921 ppb(v/v)

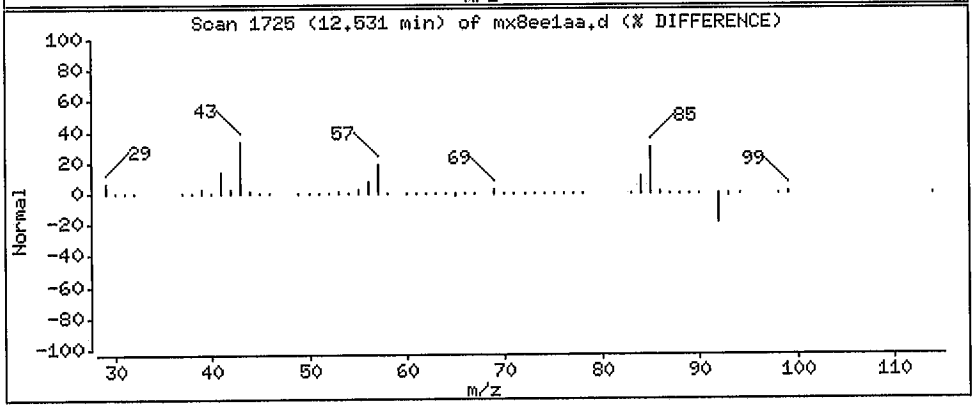












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

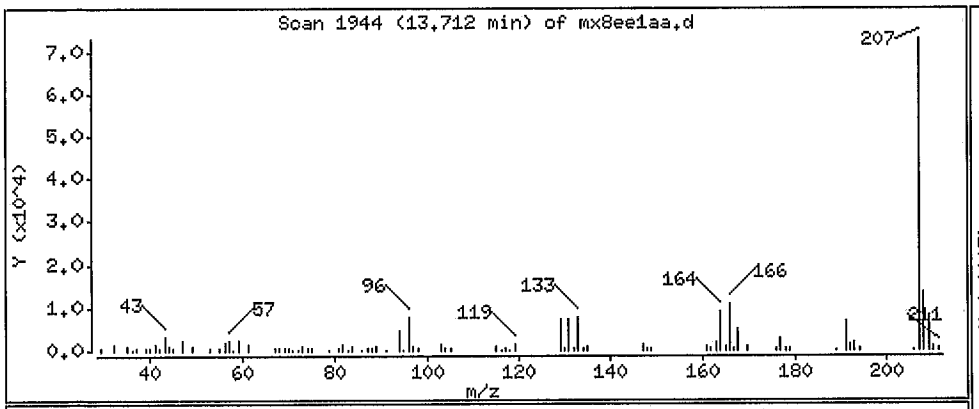
Client ID: 828076-SS-003B2-02 Instrument: mg.i

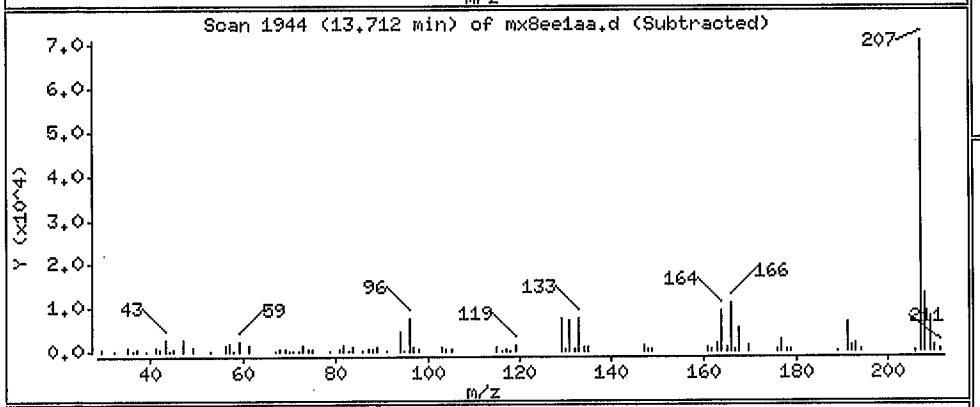
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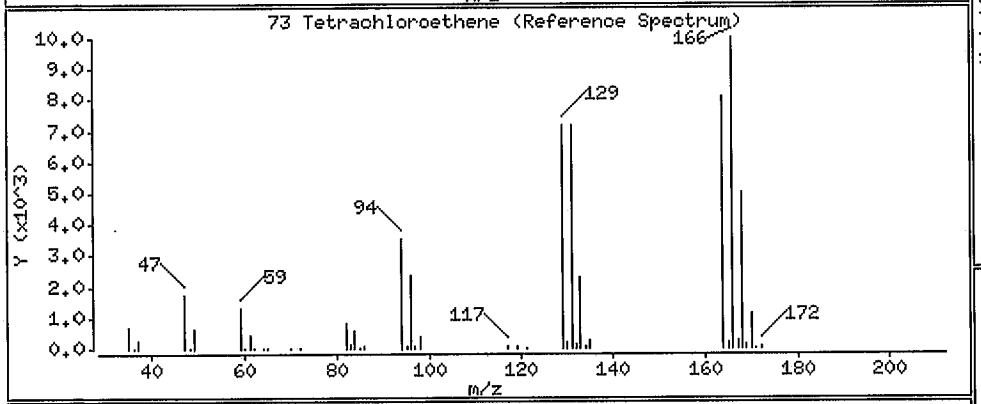
Purge Volume: 500.0 Operator: 7126

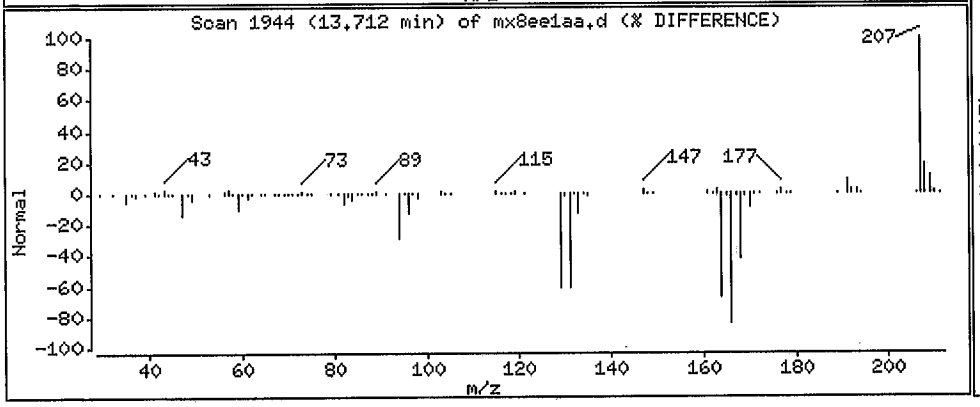
Column phase: Rtx-5 Column diameter: 0.32

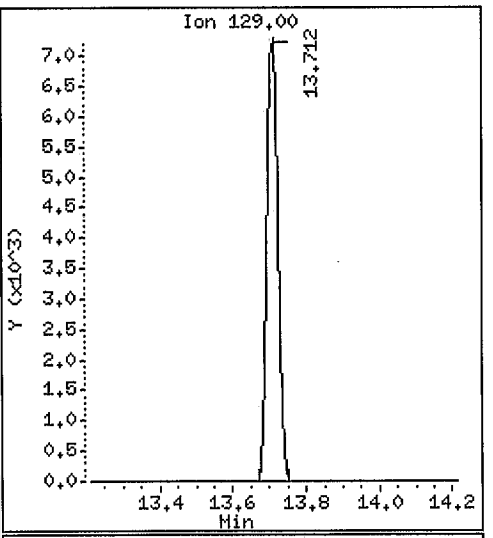
73 Tetrachloroethene Concentration: 0.4964 ppb(v/v)

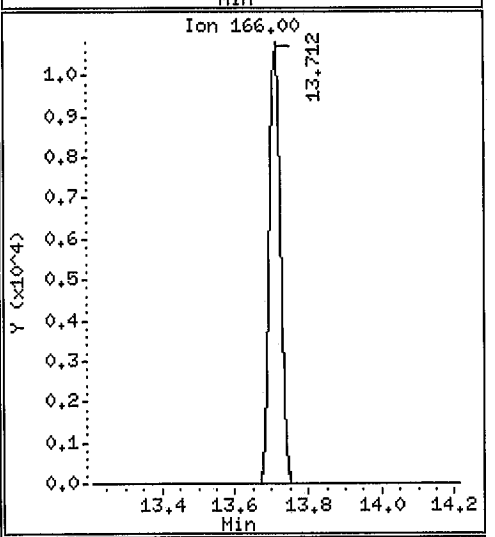


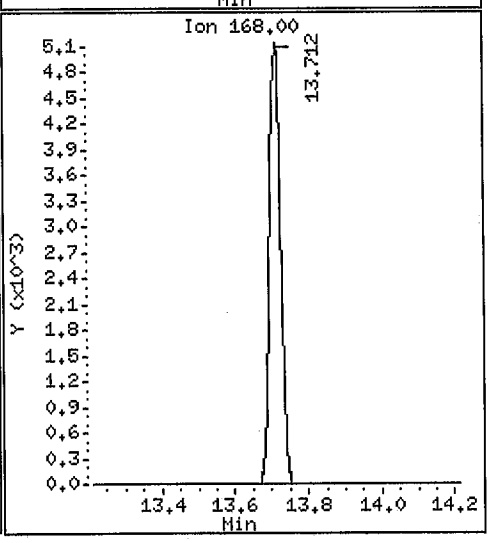












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

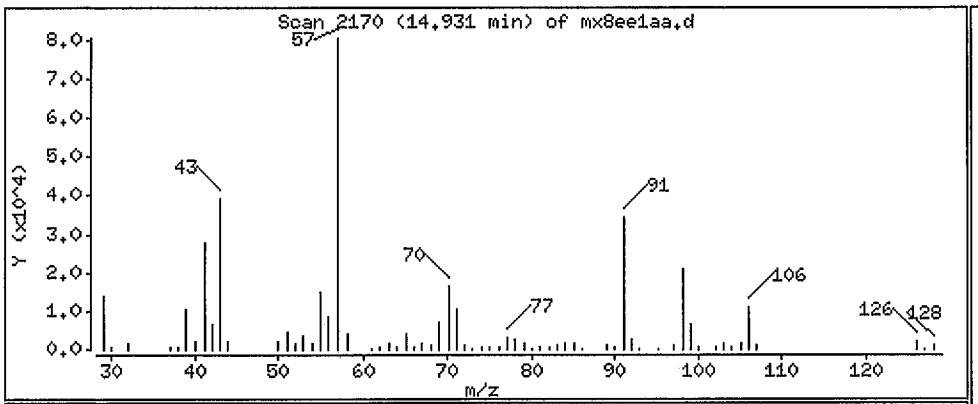
Client ID: 828076-SS-003B2-02 Instrument: mg.i

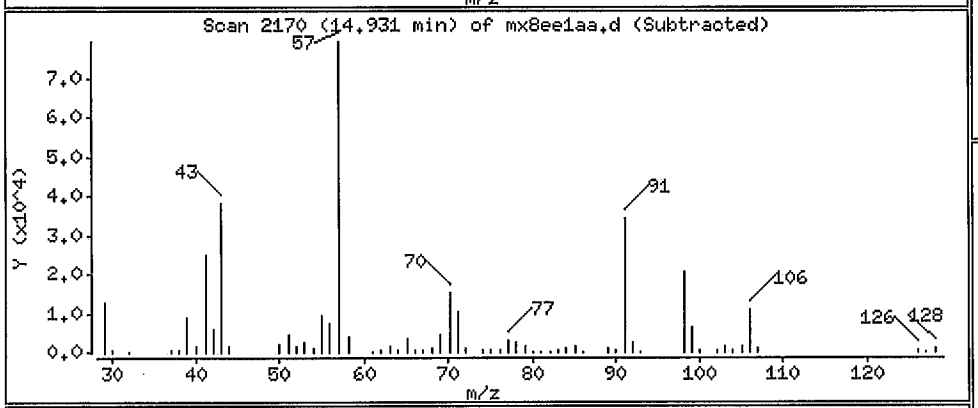
Sample Info: ,5,0,,,

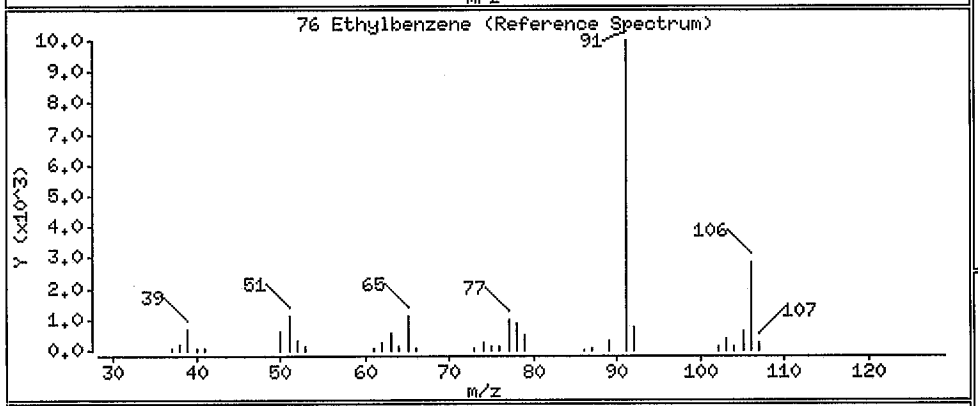
Purge Volume: 500.0 Operator: 7126

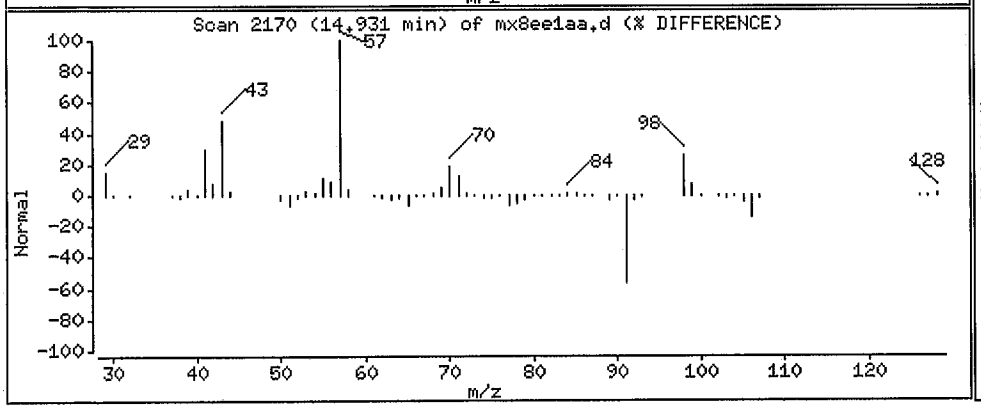
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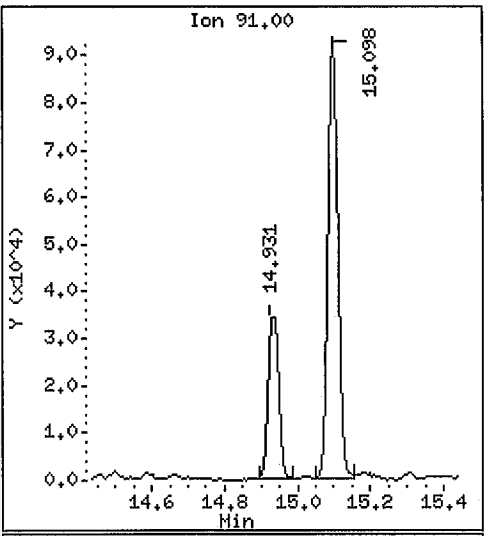
76 Ethylbenzene Concentration: 0.7032 ppb(v/v)

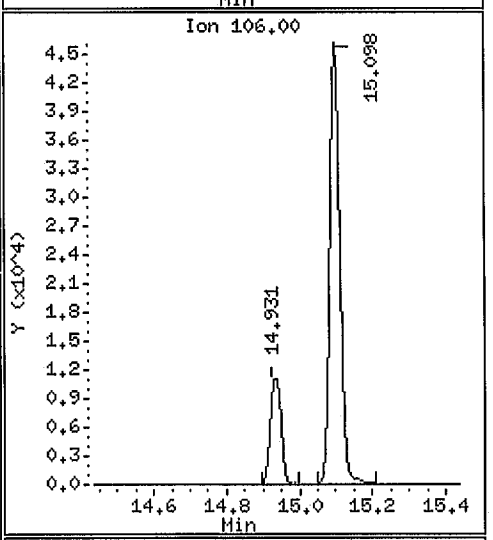


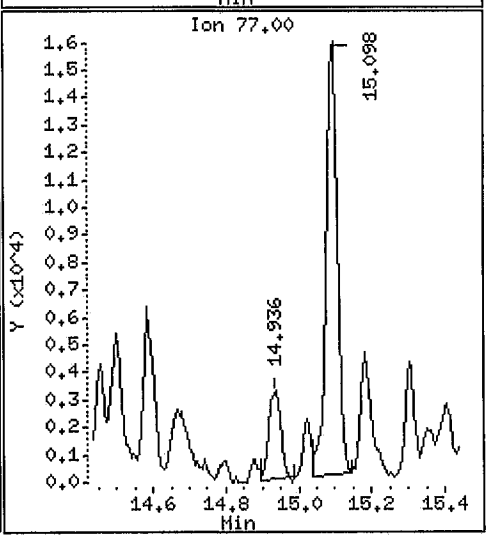












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

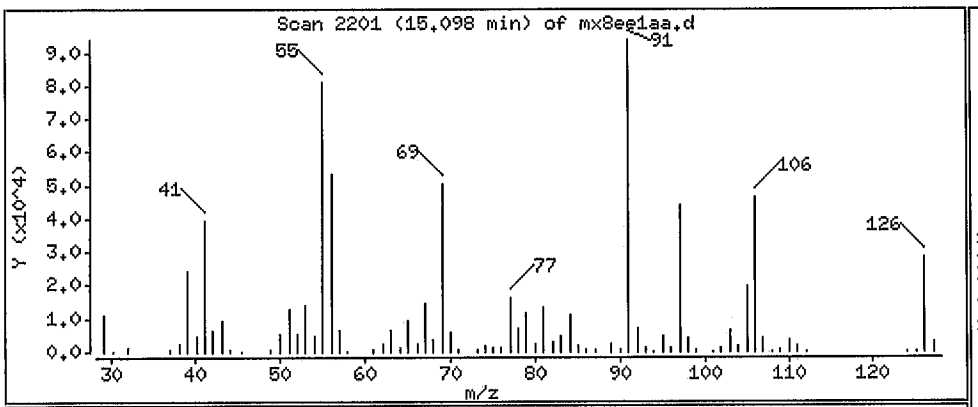
Client ID: 828076-SS-003B2-02 Instrument: mg.i

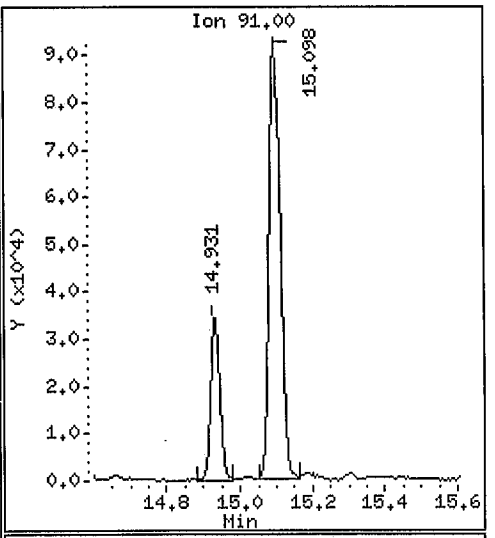
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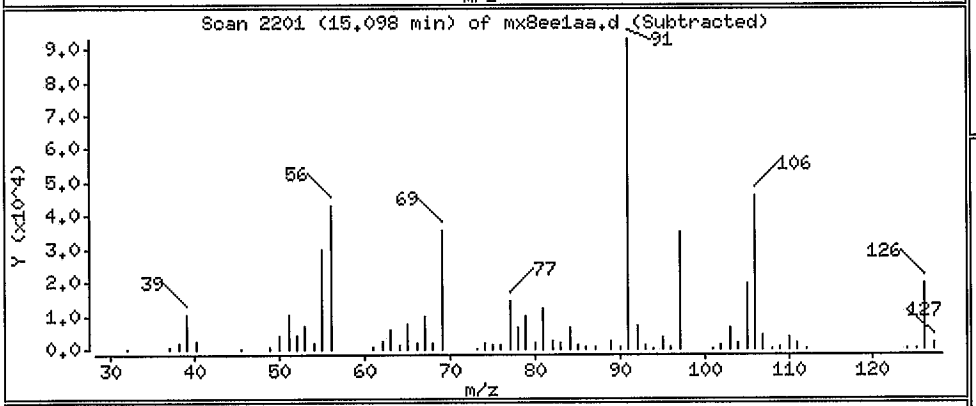
Purge Volume: 500.0 Operator: 7126

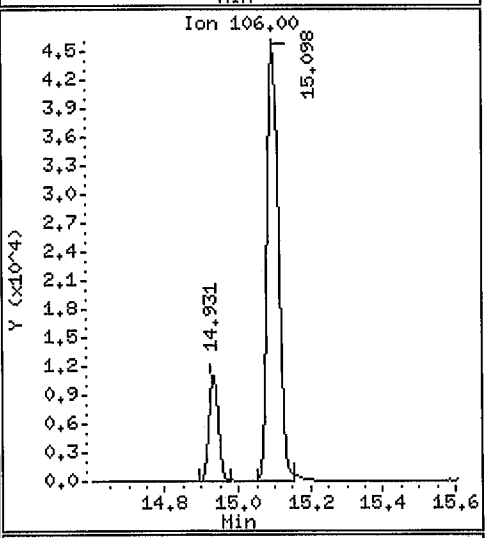
Column phase: Rtx-5 Column diameter: 0.32

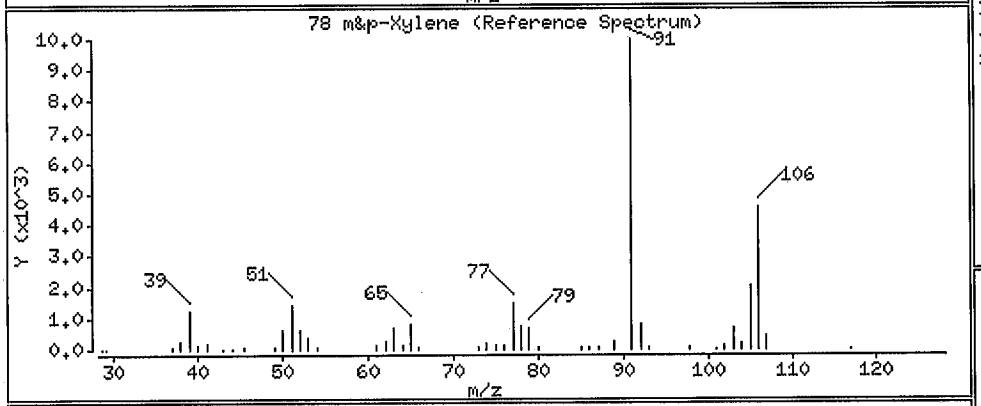
78 m&p-Xylene Concentration: 2.771 ppb(v/v)

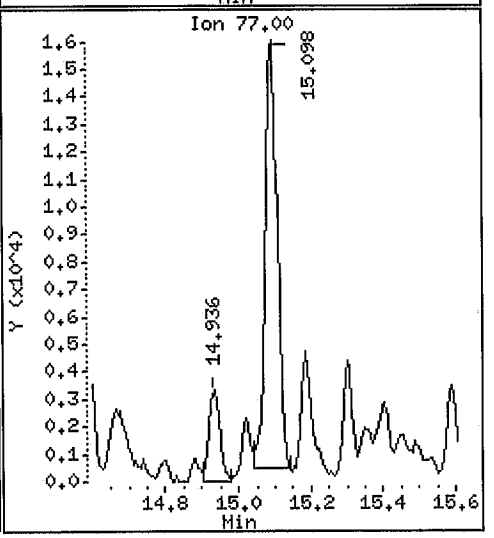


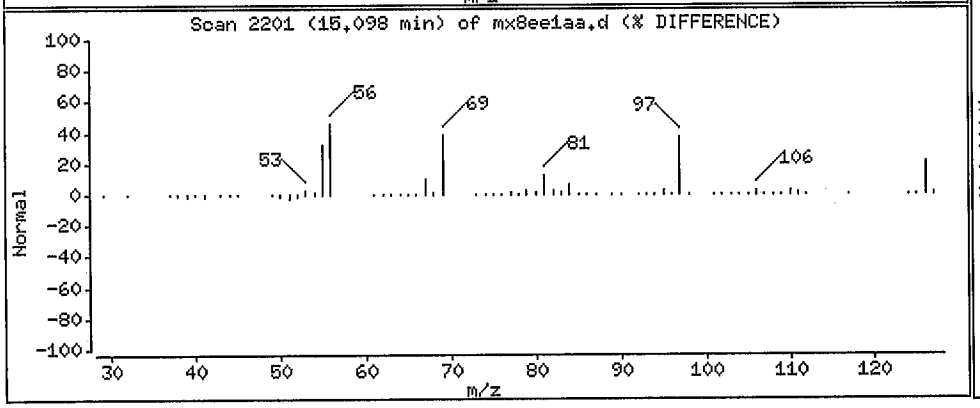












Data File: /var/chem/gcms/ms.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

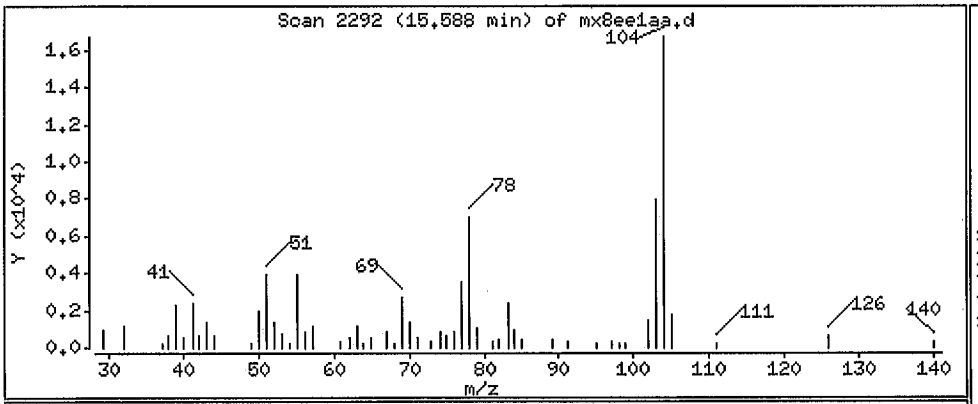
Client ID: 828076-SS-003B2-02 Instrument: ms.i

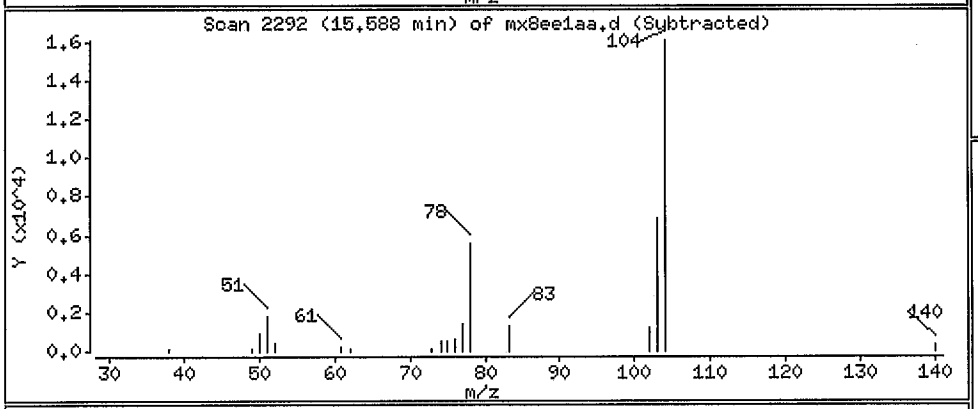
Sample Info: ,5,0,,,

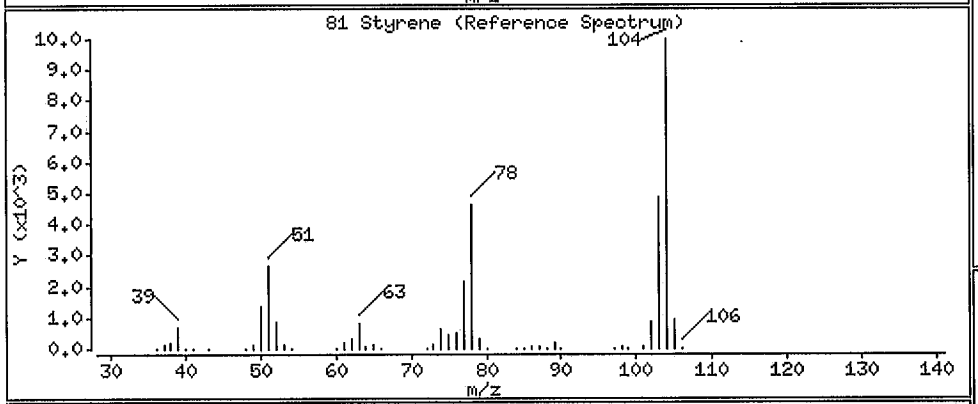
Purge Volume: 500.0 Operator: 7126

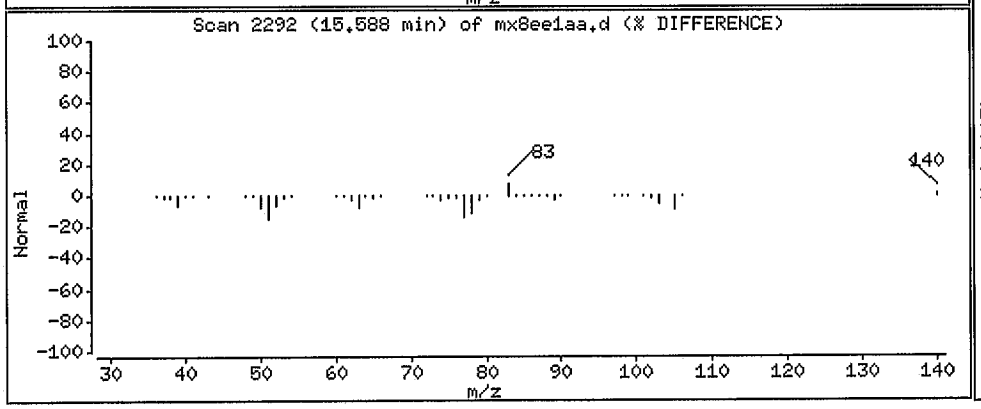
Column phase: Rtx-5 Column diameter: 0.32

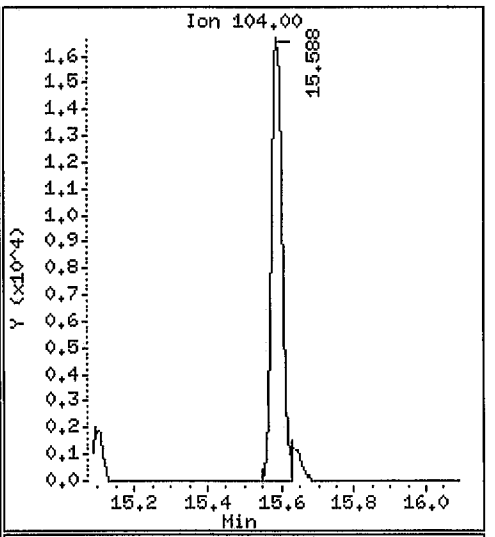
81 Styrene Concentration: 0.6269 ppb(v/v)

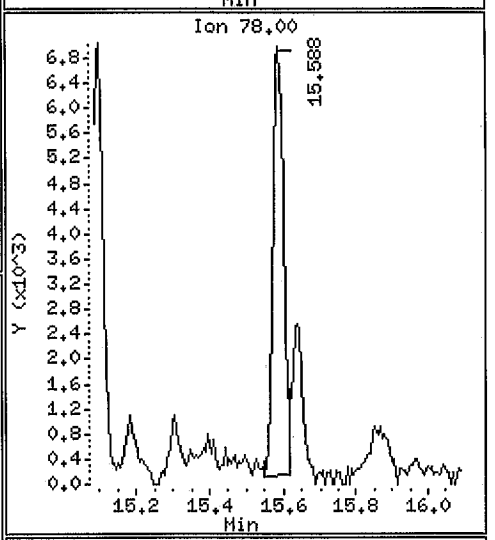


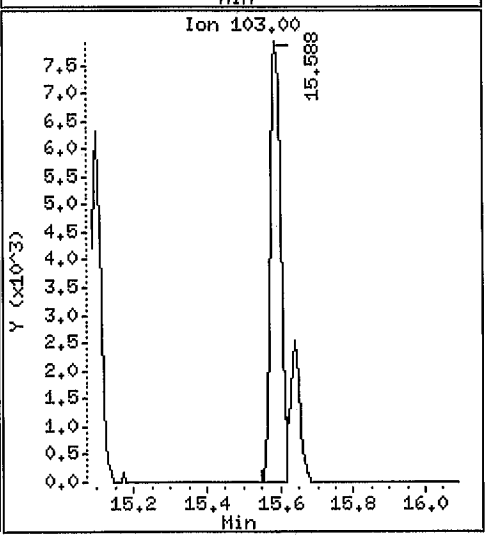












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

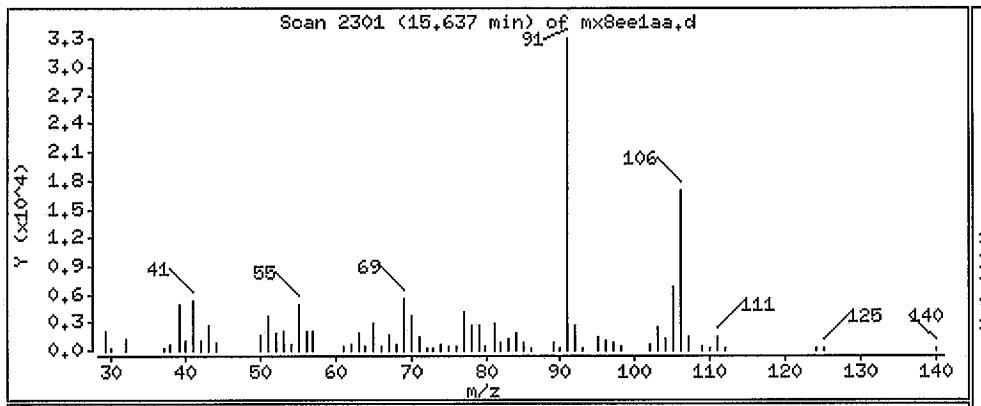
Client ID: 828076-SS-003B2-02 Instrument: mg.i

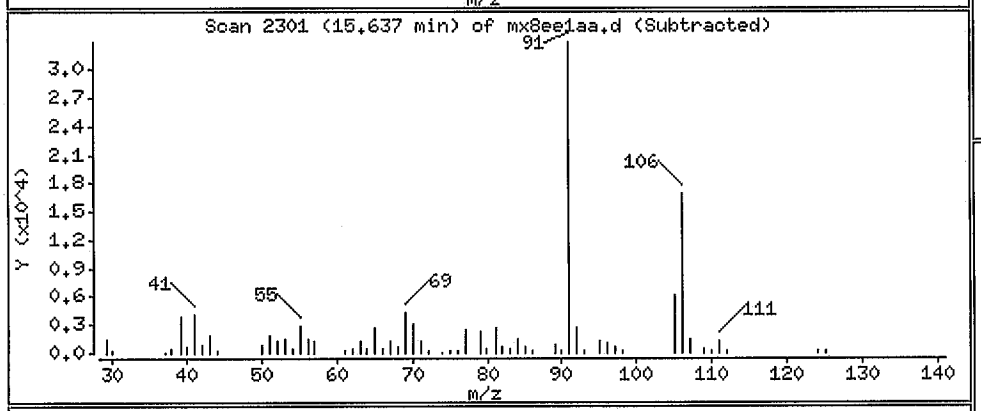
Sample Info: ,5,0,,,

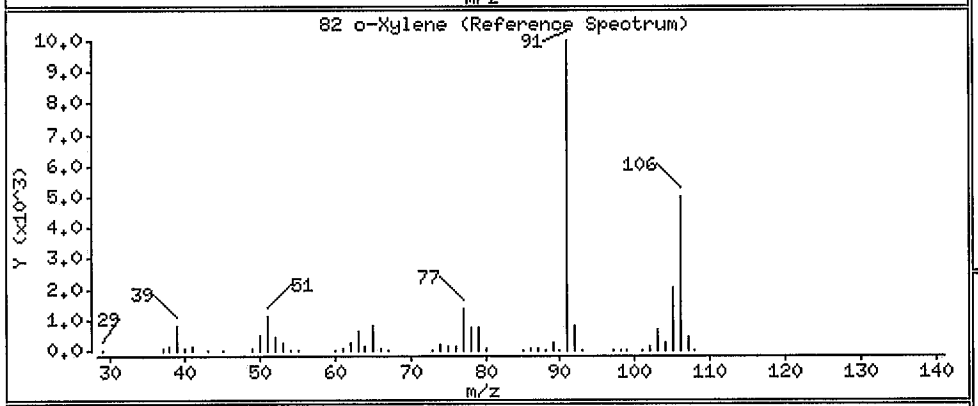
Purge Volume: 500.0 Operator: 7126

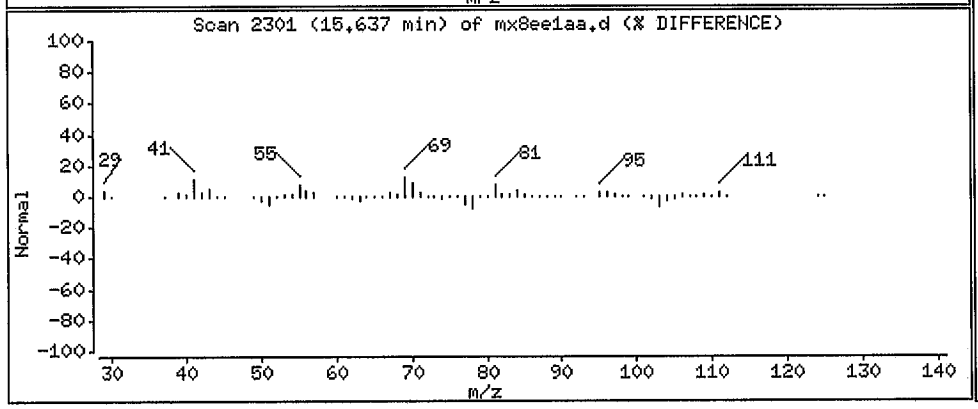
Column phase: Rtx-5 Column diameter: 0.32

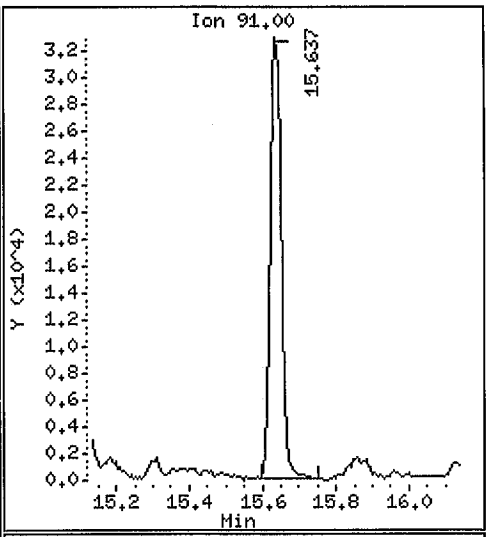
82 o-Xylene Concentration: 0.8963 ppb(v/v)

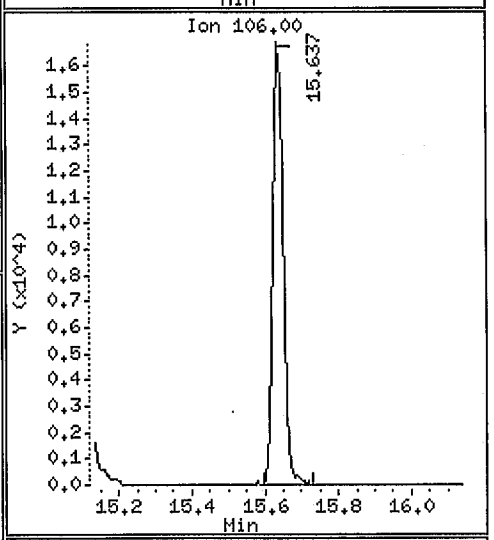


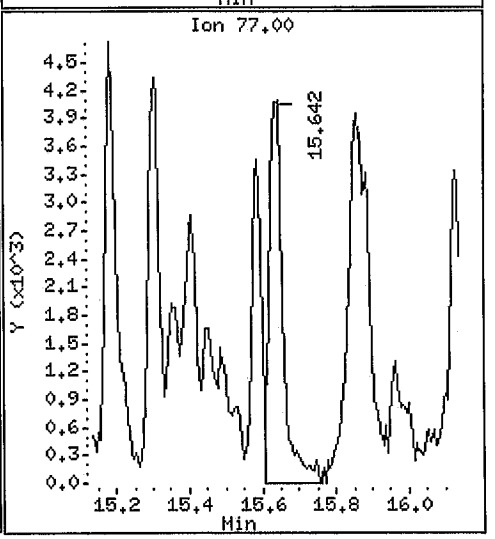












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

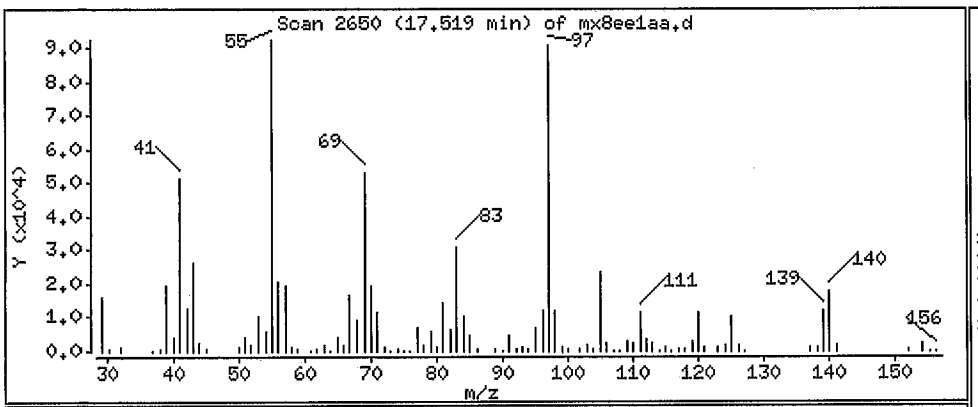
Client ID: 828076-SS-003B2-02 Instrument: mg.i

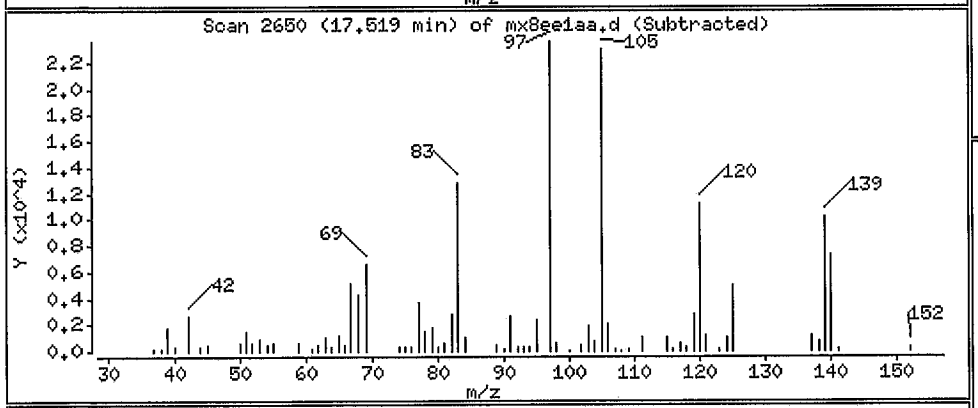
Sample Info: ,5,0,,,

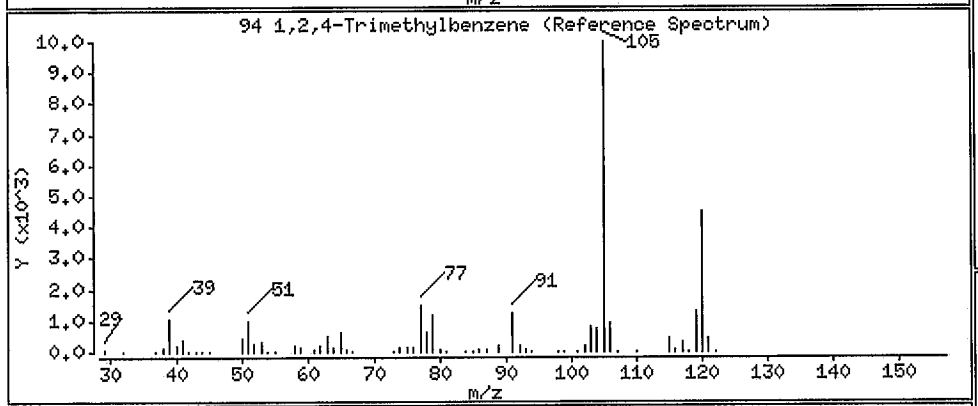
Purge Volume: 500.0 Operator: 7126

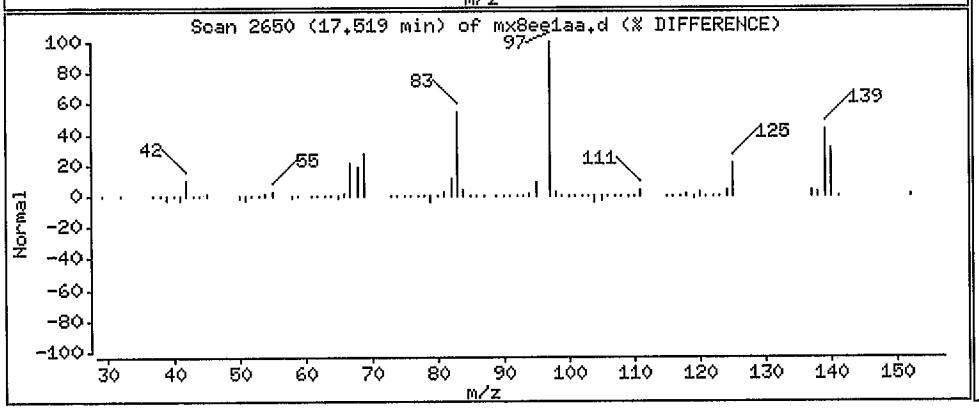
Column phase: Rtx-5 Column diameter: 0.32

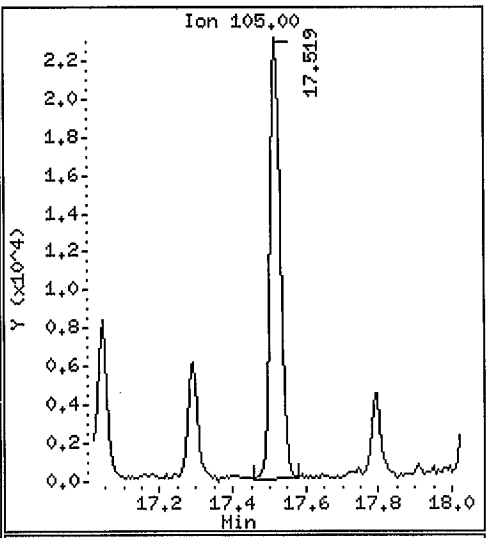
94 1,2,4-Trimethylbenzene Concentration: 0.5192 ppb(v/v)

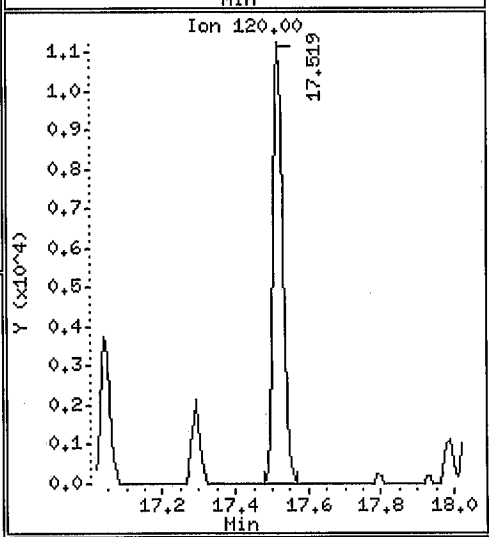


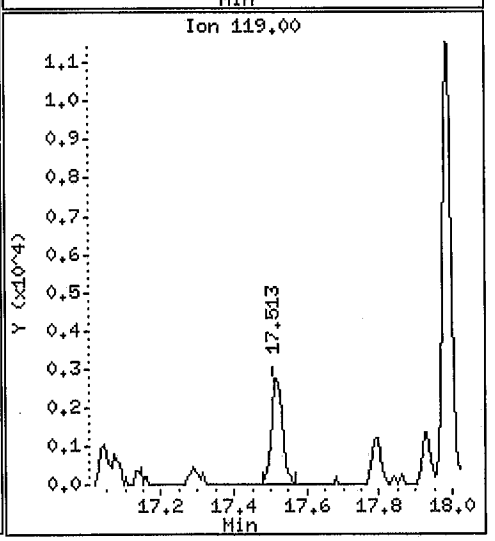












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ee1aa.d

Date : 01-MAR-2013 14:32

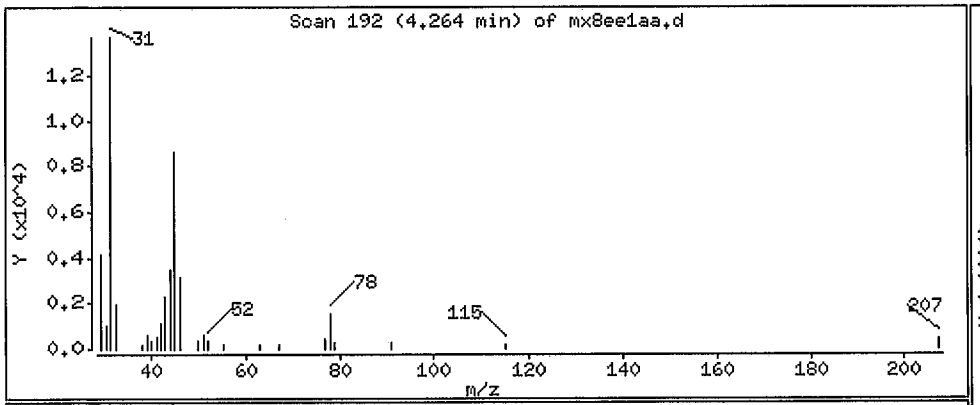
Client ID: 828076-SS-003B2-02 Instrument: mg.i

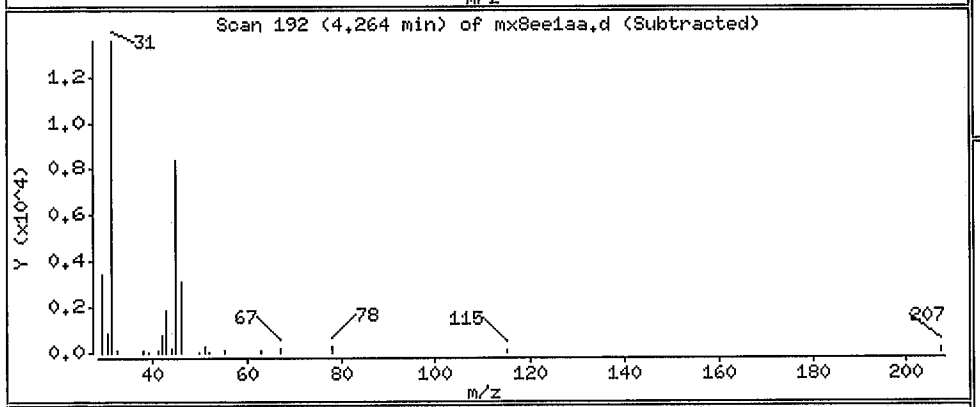
Sample Info: ,5,0,,,

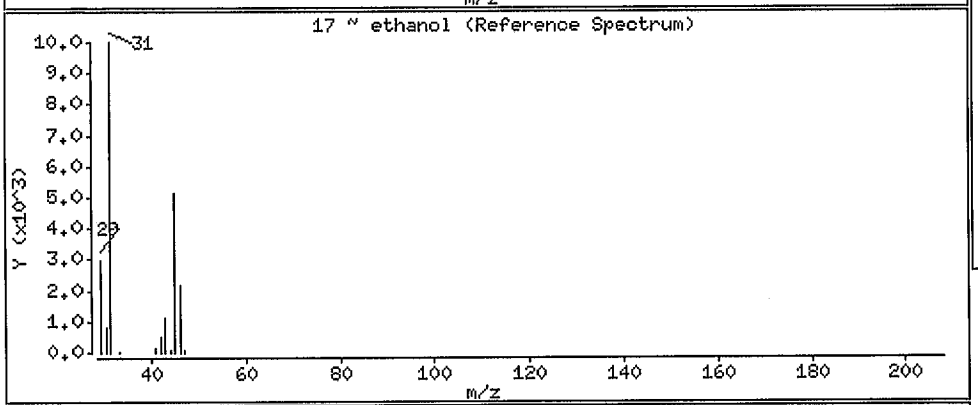
Purge Volume: 500.0 Operator: 7126

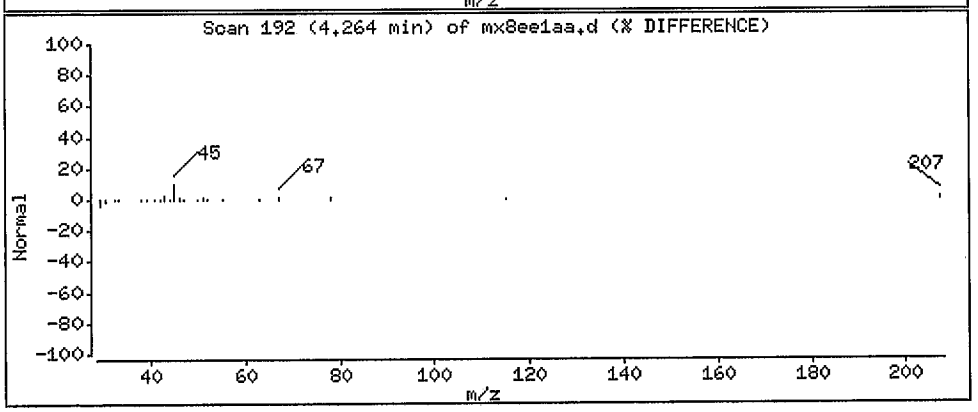
Column phase: Rtx-5 Column diameter: 0.32

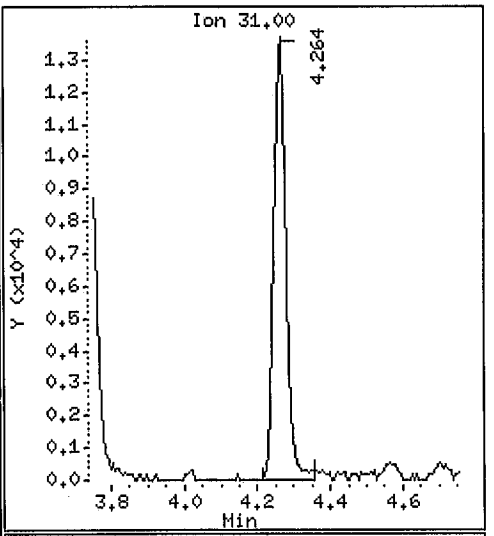
17 ^ ethanol Concentration: 5.898 ppb(v/v)

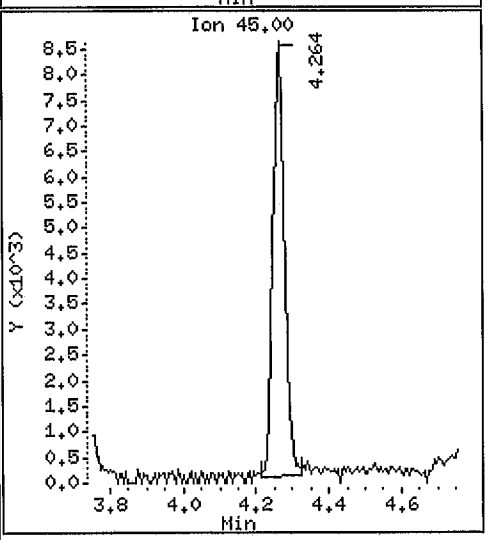












New York State D.E.C.

Client Sample ID: 828076-IA-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 007 **Work Order #** MX8EH1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.35**	**0.20**	**1.7**	**0.93**
Benzene	**0.27**	**0.080**	**0.86**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.087**	**0.040**	**0.54**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	**0.21**	**0.20**	**0.74**	**0.69**
Chloromethane	**0.56**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
Ethanol	**13**	**0.80**	**24**	**1.5**
Ethylbenzene	**0.12**	**0.080**	**0.53**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.44**	**0.20**	**1.6**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 007 **Work Order #** MX8EH1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.42**	**0.20**	**1.5**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.75**	**0.080**	**2.8**	**0.30**
m-Xylene & p-Xylene	**0.36**	**0.080**	**1.6**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.55**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.089**	**0.040**	**0.48**	**0.21**
Trichlorofluoromethane	**0.23**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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/mr.i/R022813.b/mx8eh1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d
Lab Smp Id: MX8EH1AA Client Smp ID: 828076-IA-003B2-02
Inj Date : 01-MAR-2013 00:46
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

030513

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))	
* 1 Bromochloromethane	128	9.099	9.088	(1.000)	327960	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1666129	4.00000	4.000	
* 3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1300919	4.00000	4.000	
$ 4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	937424	4.11579	4.116	
7 Dichlorodifluoromethane	85	4.225	4.241	(0.464)	139031	0.40682	0.4068	
8 Chloromethane	52	4.403	4.419	(0.484)	23423	0.56071	0.5607	
20 Trichlorofluoromethane	101	5.670	5.675	(0.623)	75535	0.22749	0.2275	
31 Methylene Chloride	84	6.657	6.656	(0.732)	49652	0.42019	0.4202	
33 Carbon Disulfide	76	6.818	6.824	(0.749)	5737	0.01520	0.01520	NA
40 Hexane	56	8.420	8.414	(0.925)	49829	0.44220	0.4422	
39 2-Butanone	72	8.366	8.344	(0.919)	18762	0.28493	0.2849	
44 Tetrahydrofuran	42	9.515	9.498	(1.046)	41720	0.28137	0.2814	NA
49 Cyclohexane	69	10.728	10.722	(0.952)	14046	0.21474	0.2147	
48 Benzene	78	10.712	10.706	(0.950)	112991	0.26792	0.2679	
50 Carbon Tetrachloride	117	10.749	10.738	(0.954)	18872	0.08662	0.08662	
53 2,2,4-trimethylpentane	57	11.547	11.547	(1.024)	241430	0.35342	0.3534	

Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d
Report Date: 01-Mar-2013 11:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
54	Heptane	71	11.968	11.968	(1.062)	22153	0.14969	0.1497
56	Trichloroethene	130	12.071	12.070	(1.071)	16653	0.08877	0.08877
65	Toluene	91	14.632	14.632	(0.837)	403084	0.74678	0.7468
76	Ethylbenzene	91	18.045	18.067	(1.032)	82670	0.12196	0.1220
78	m&p-Xylene	91	18.309	18.336	(1.048)	186860	0.35710	0.3571
82	o-Xylene	91	19.178	19.194	(1.097)	68979	0.12778	0.1278
17	~ ethanol	31	5.238	5.222	(0.576)	584739	13.0002	13.00

Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8eh1aa.d
Lab Smp Id: MX8EH1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B2-02
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	327960	-25.01
2 1,4-Difluorobenze	2178721	1296339	3061103	1666129	-23.53
3 Chlorobenzene-d5	1632809	971521	2294097	1300919	-20.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.10	0.12
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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.

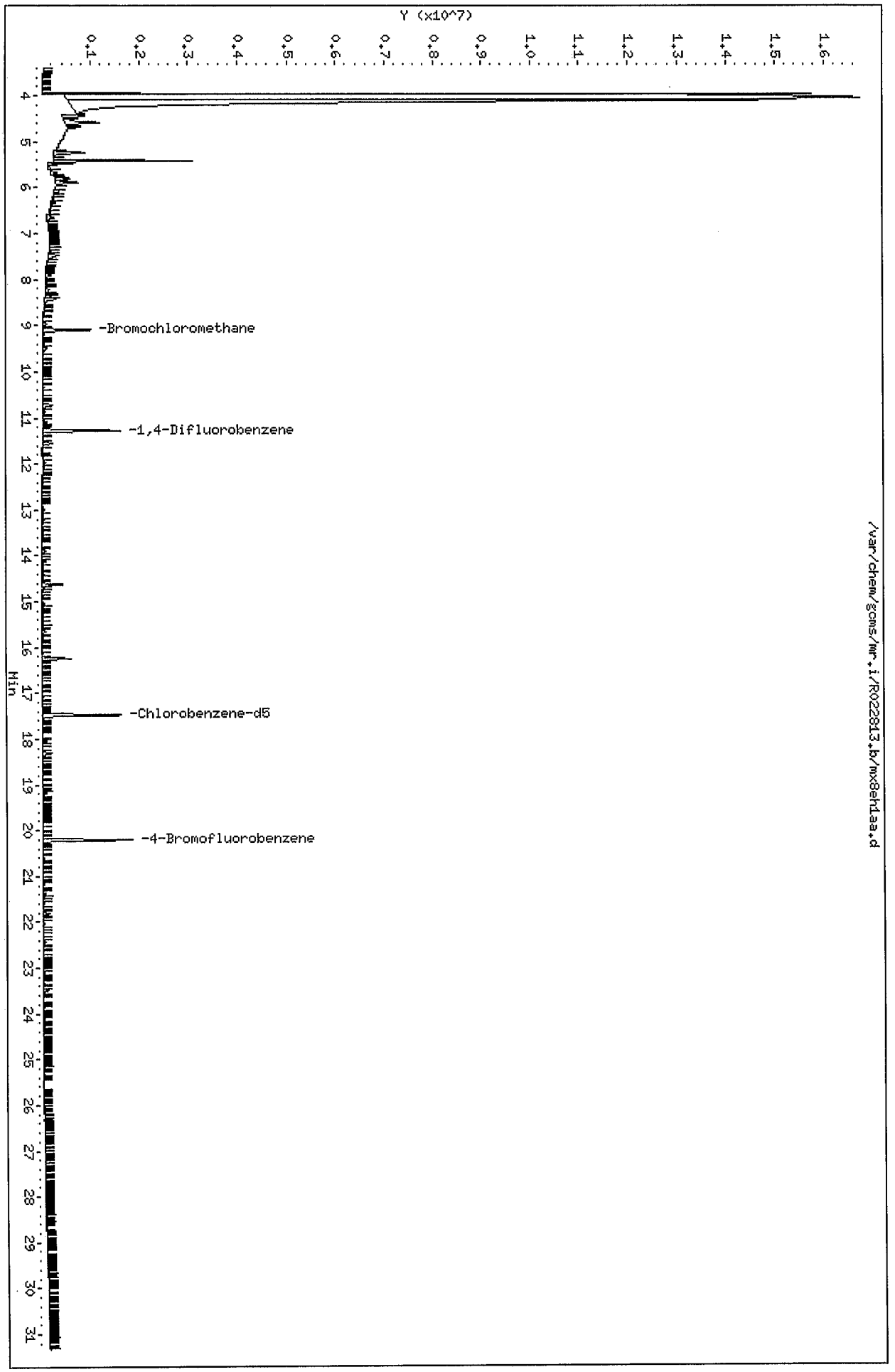
Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EH1AA Client Smp ID: 828076-IA-003B2-02
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.116	102.89	70-130


Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d
Date : 01-MAR-2013 00:46
Client ID: 828076-IA-003B2-02
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mr.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

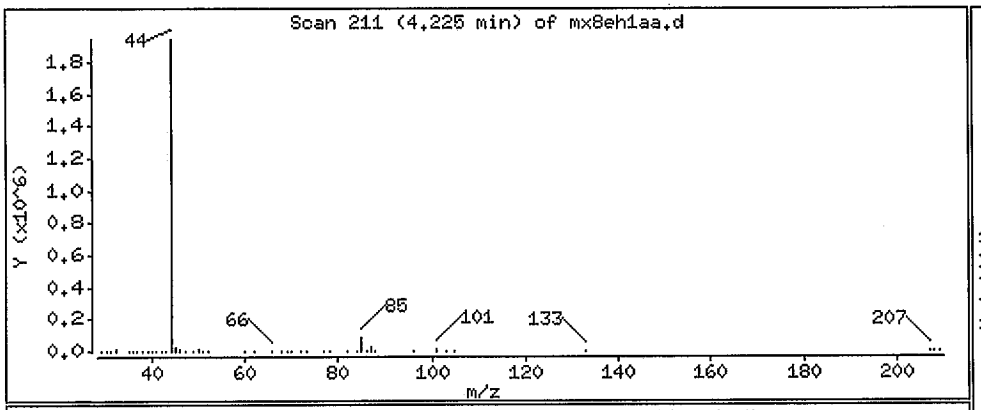
Client ID: 828076-IA-003B2-02 Instrument: mr.i

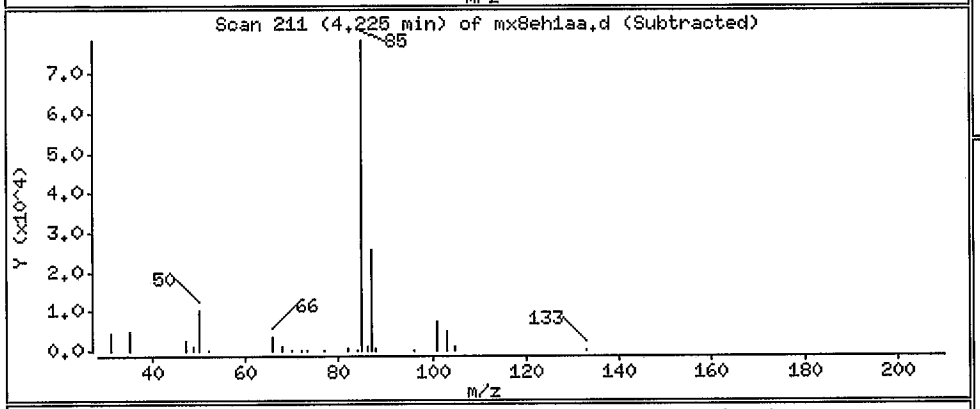
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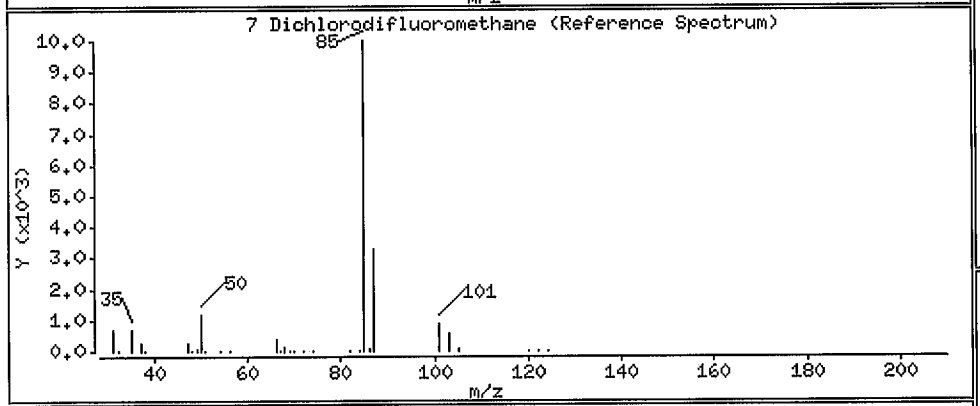
Purge Volume: 500.0 Operator: 403648

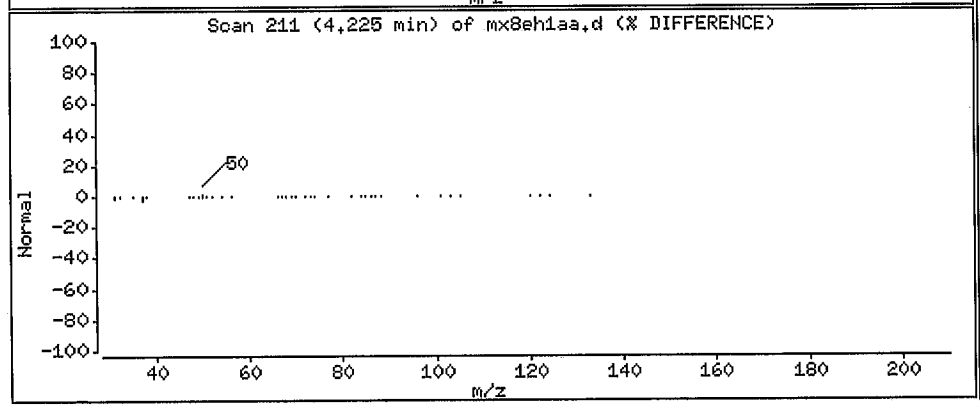
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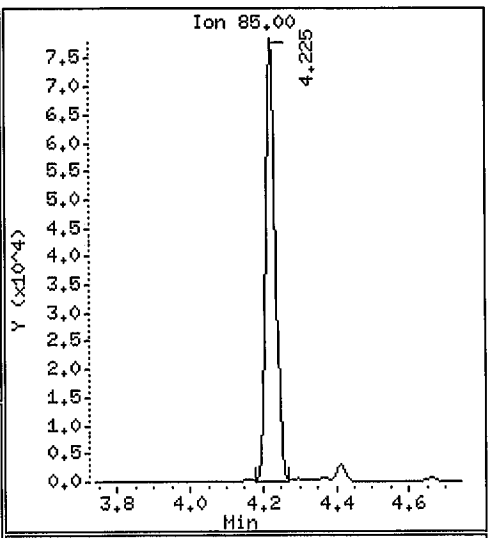
7 Dichlorodifluoromethane Concentration: 0.4068 ppb(v/v)

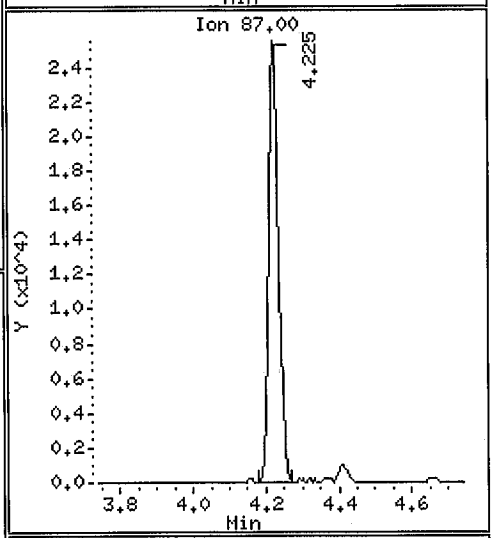


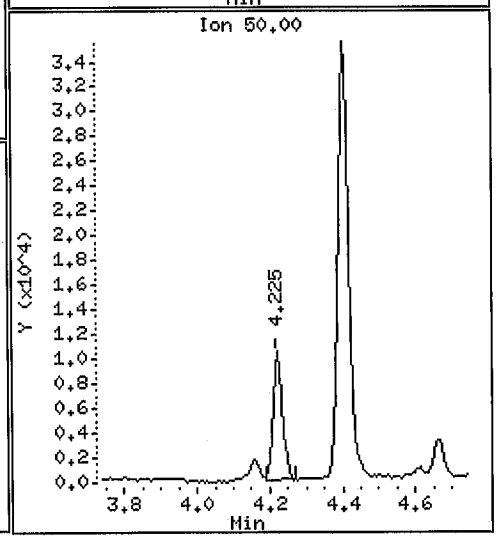












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

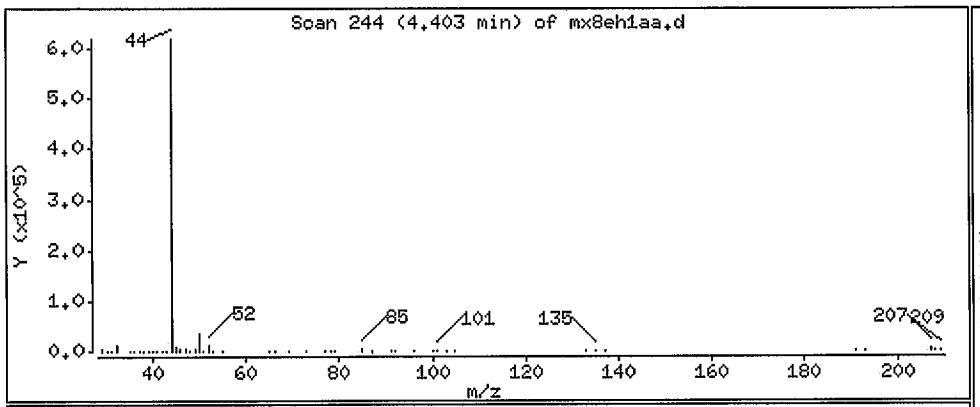
Client ID: 828076-IA-003B2-02 Instrument: mr.i

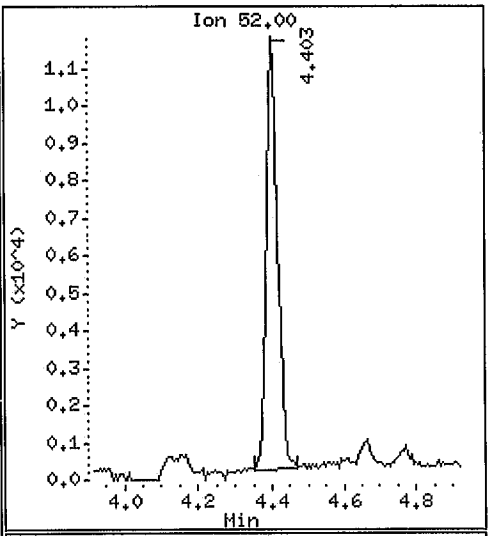
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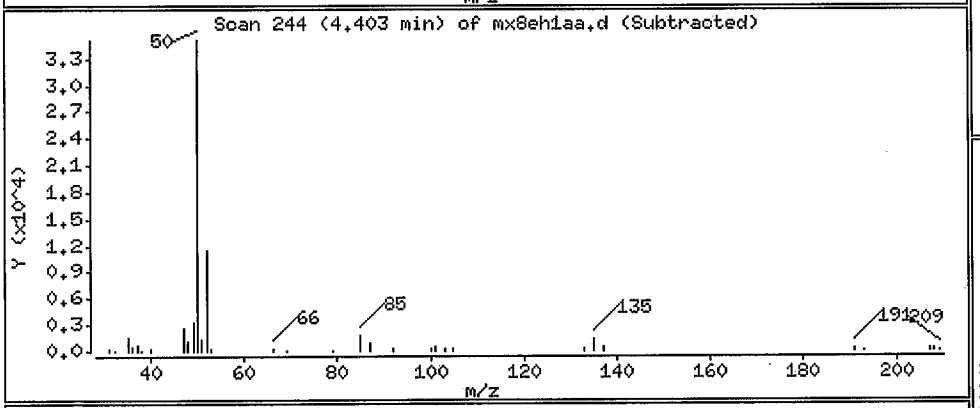
Purge Volume: 500.0 Operator: 403648

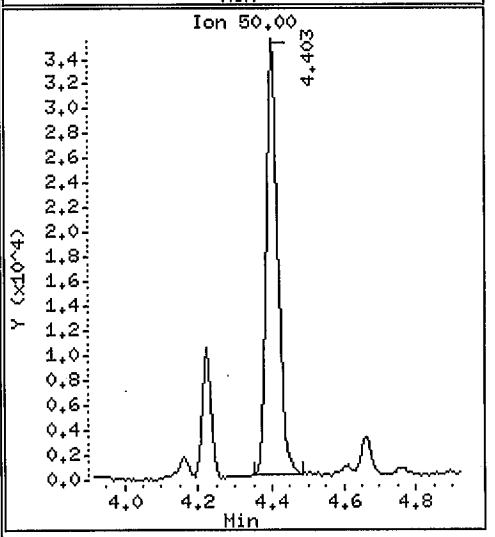
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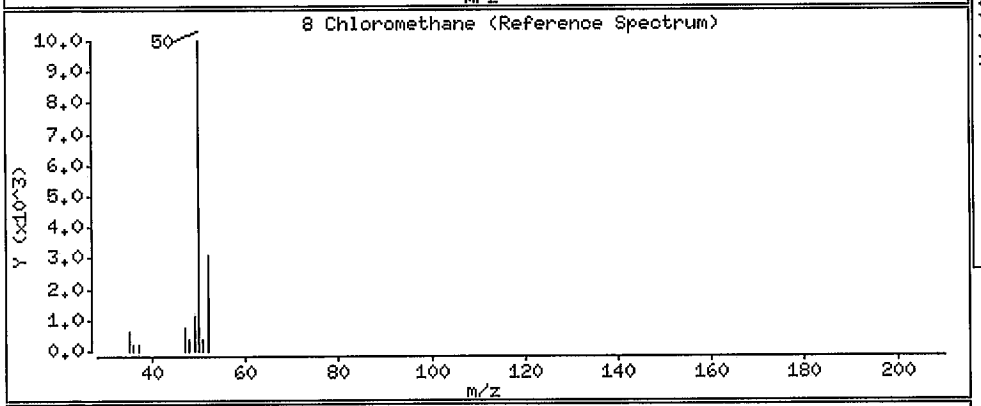
8 Chloromethane Concentration: 0.5607 ppb(v/v)

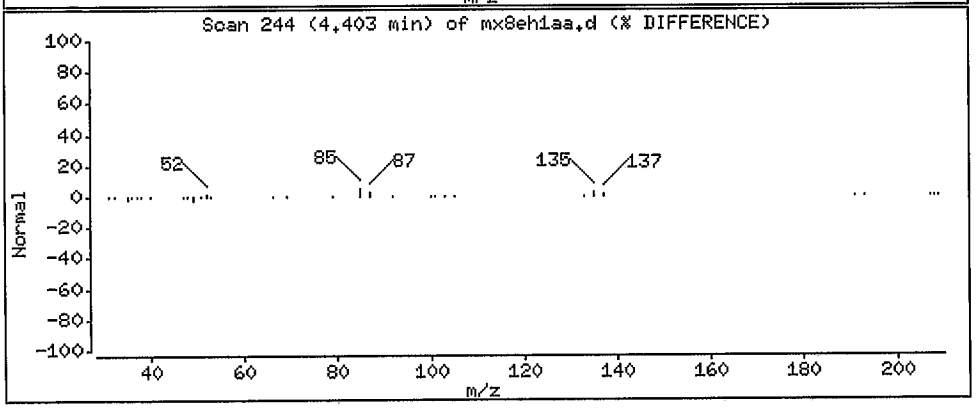












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

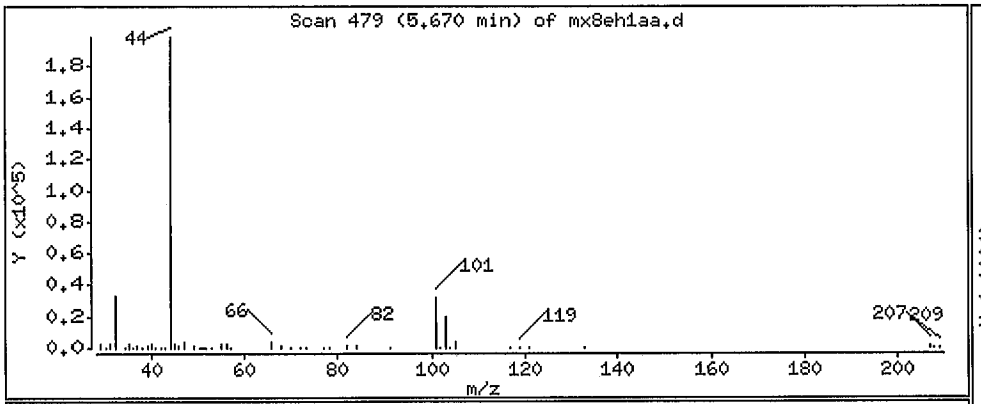
Client ID: 828076-IA-003B2-02 Instrument: mr.i

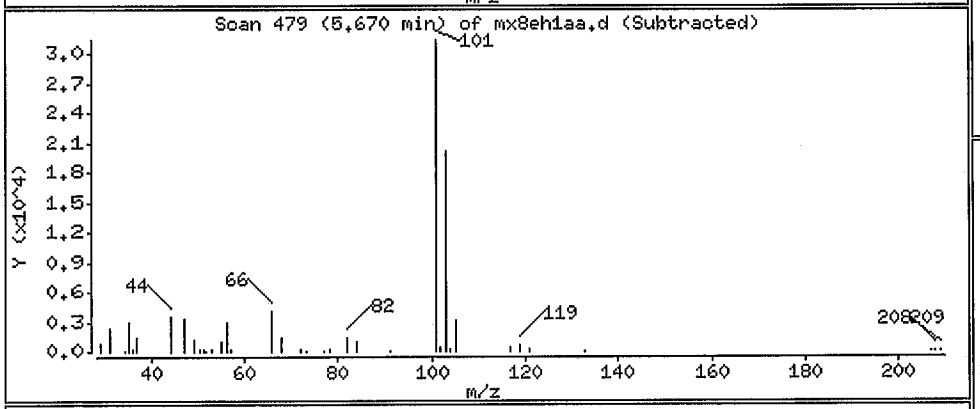
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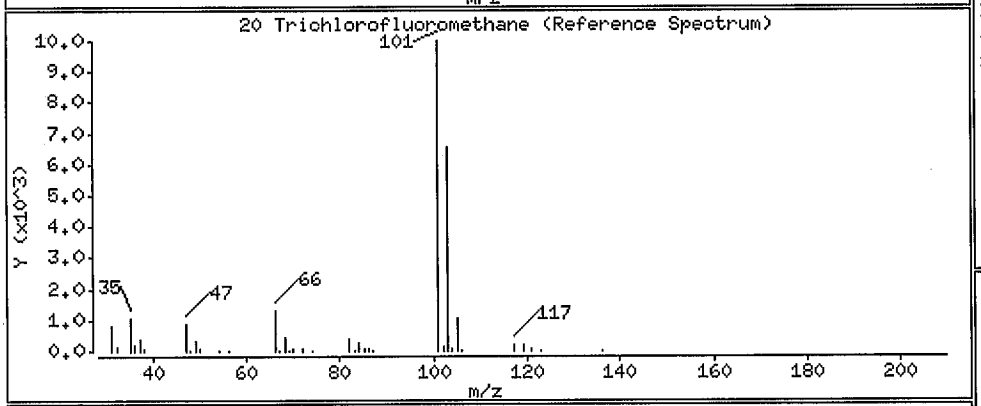
Purge Volume: 500.0 Operator: 403648

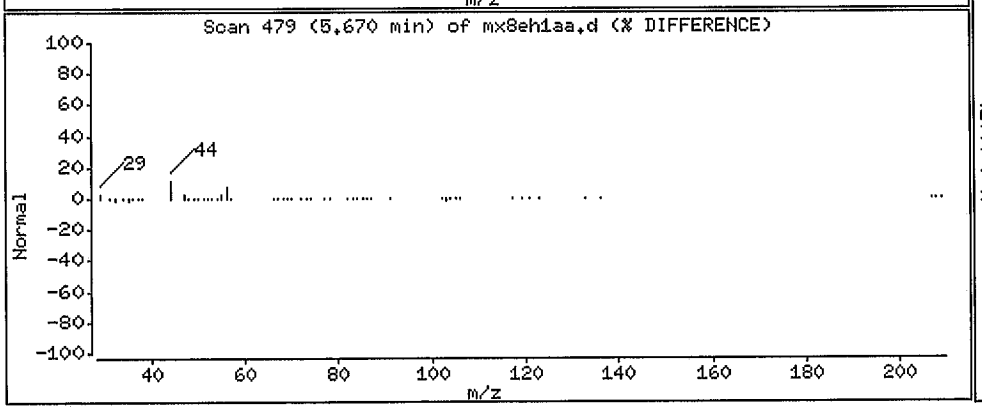
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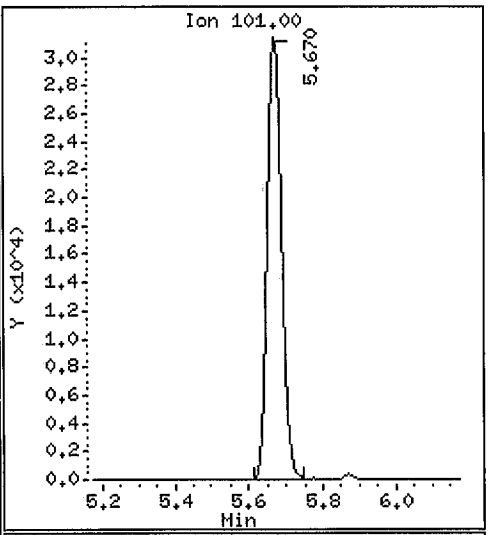
20 Trichlorofluoromethane Concentration: 0.2275 ppb(v/v)

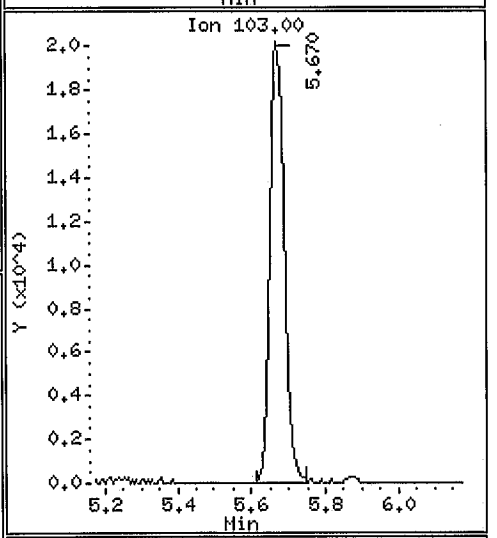


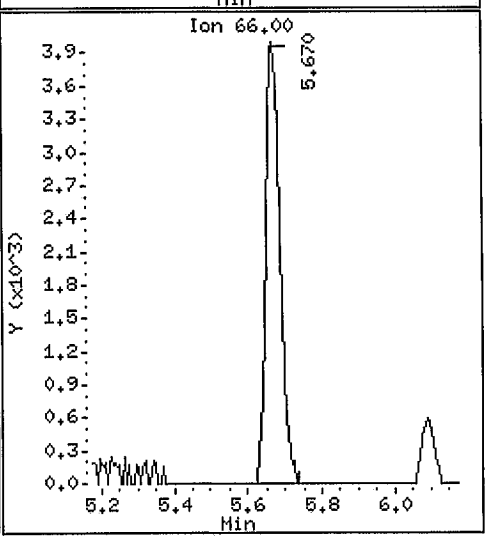












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

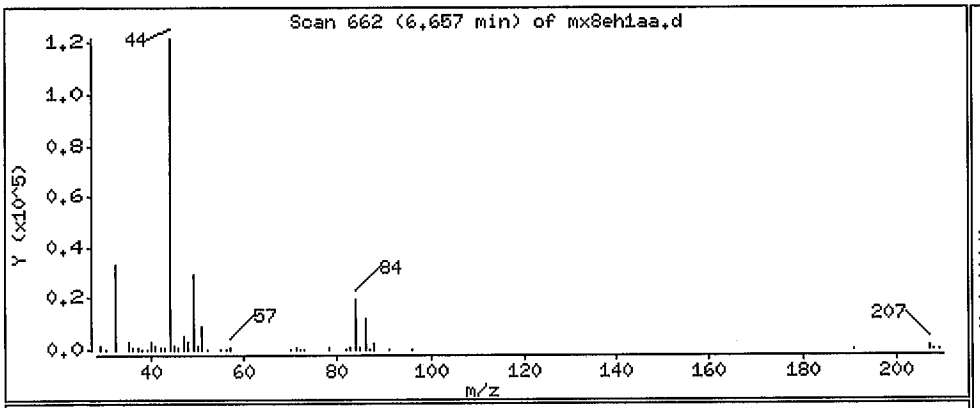
Client ID: 828076-IA-003B2-02 Instrument: mr.i

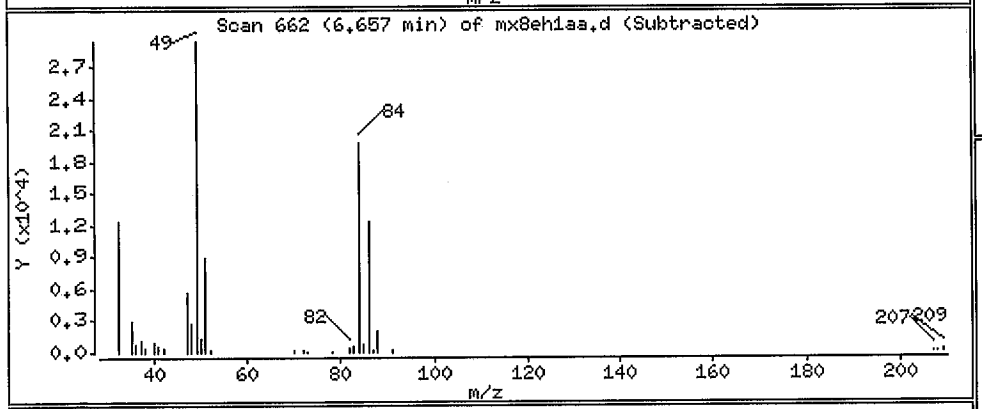
Sample Info: ,,0,,,

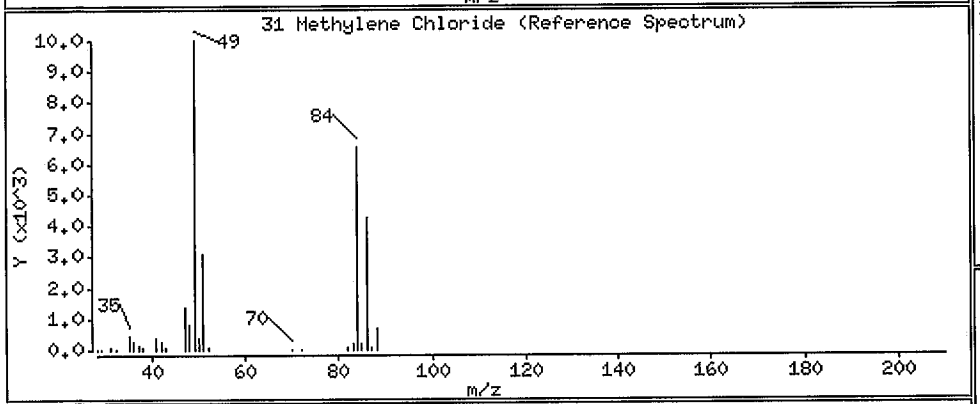
Purge Volume: 500.0 Operator: 403648

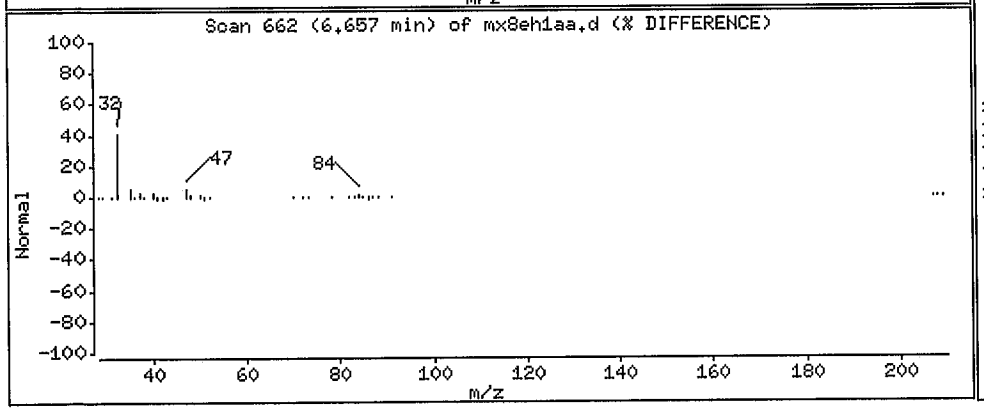
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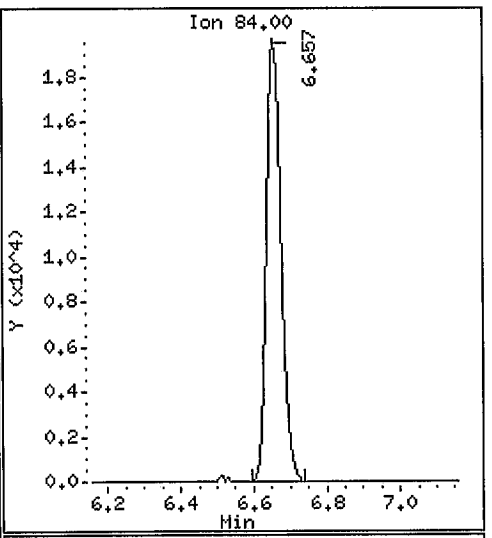
31 Methylene Chloride Concentration: 0.4202 ppb(v/v)

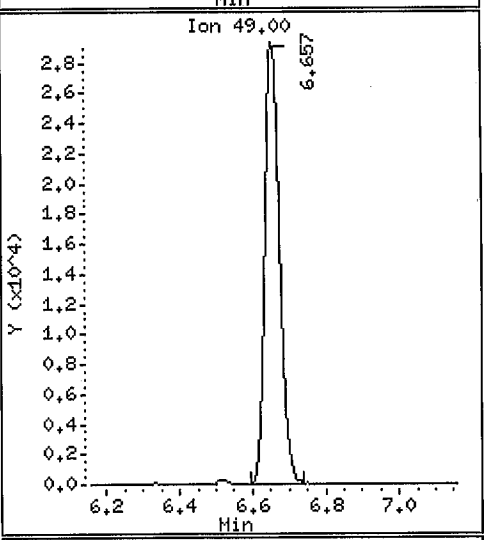


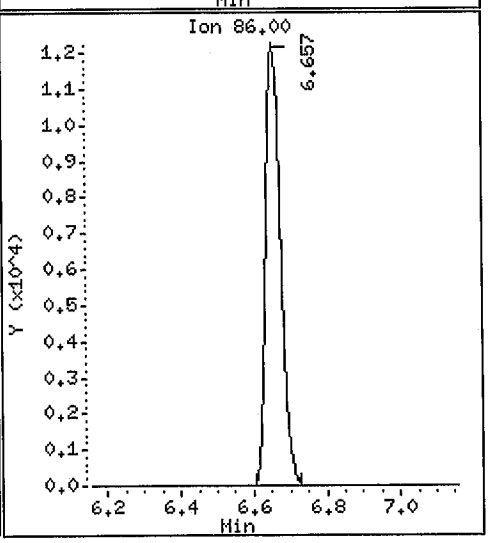












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

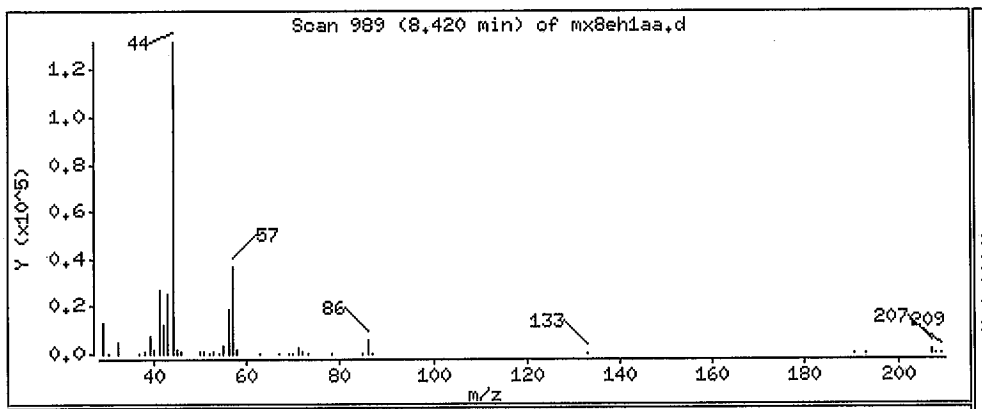
Client ID: 828076-IA-003B2-02 Instrument: mr.i

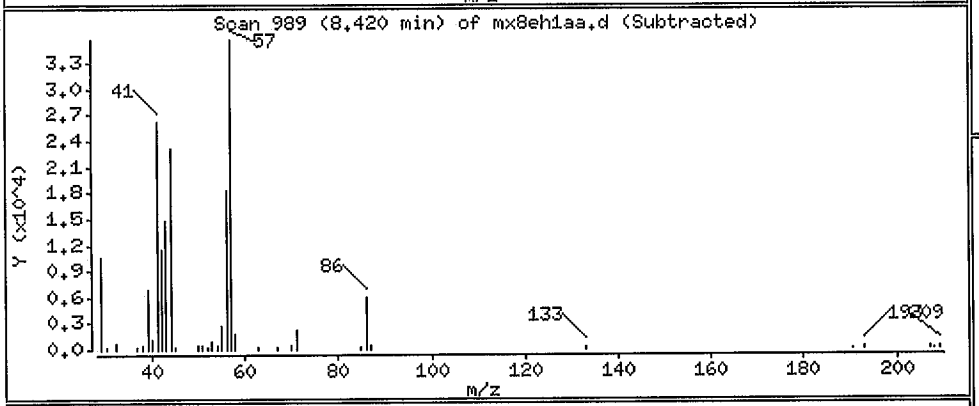
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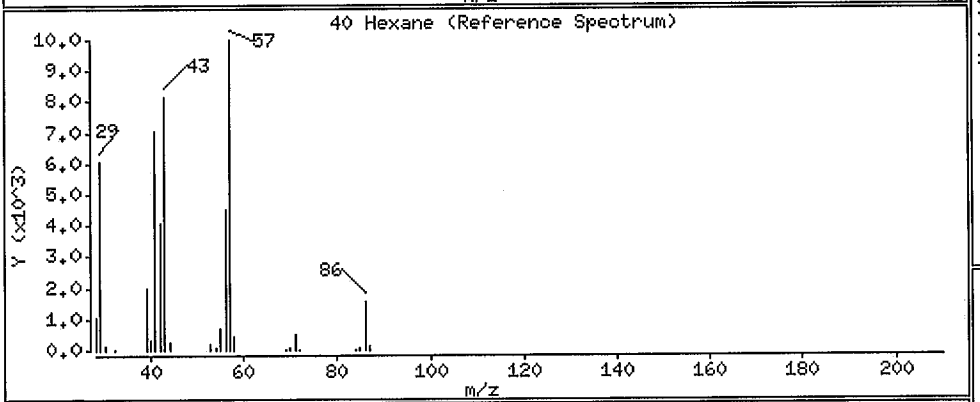
Purge Volume: 500.0 Operator: 403648

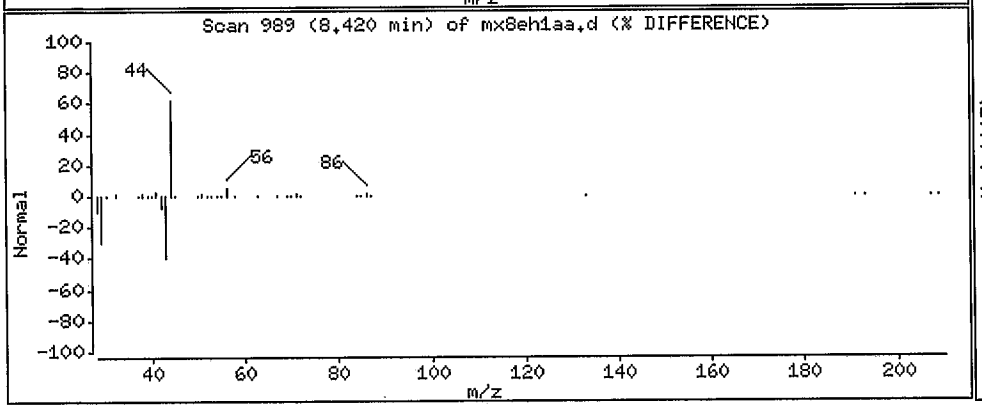
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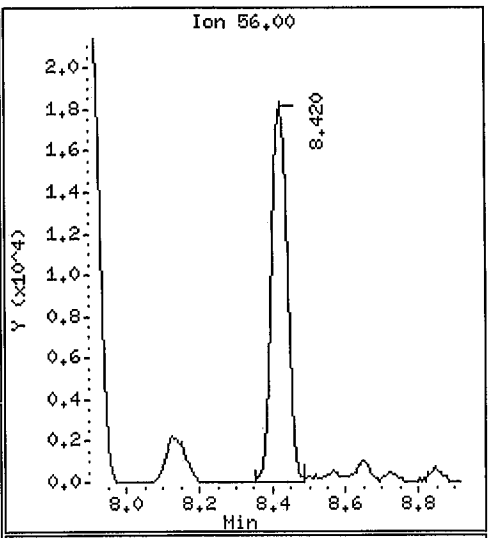
40 Hexane Concentration: 0.4422 ppb(v/v)

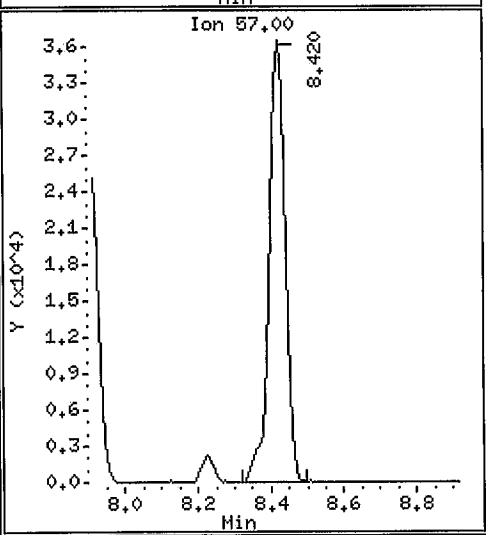


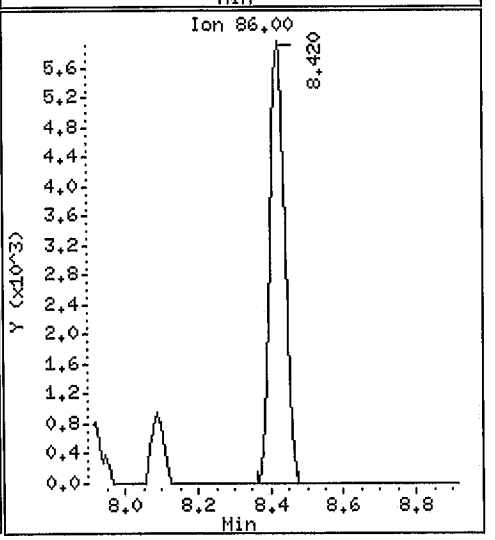












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

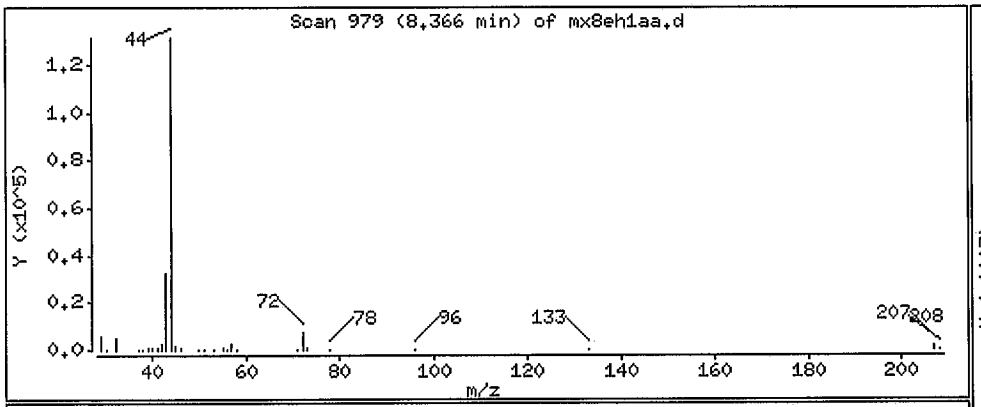
Client ID: 828076-IA-003B2-02 Instrument: mr.i

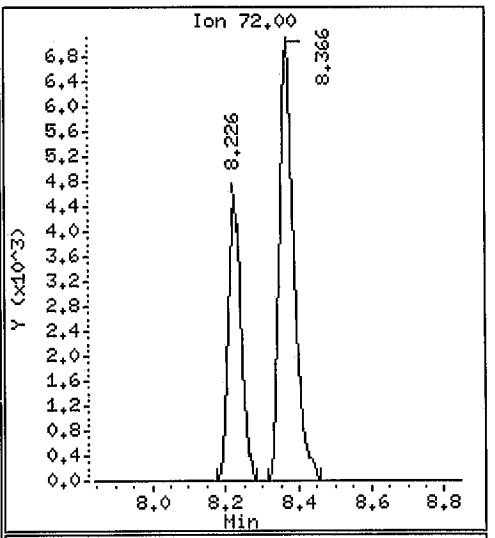
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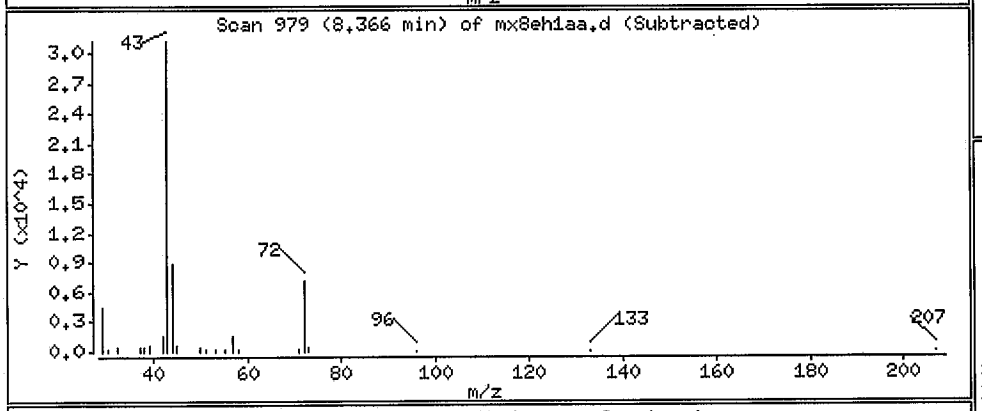
Purge Volume: 500.0 Operator: 403648

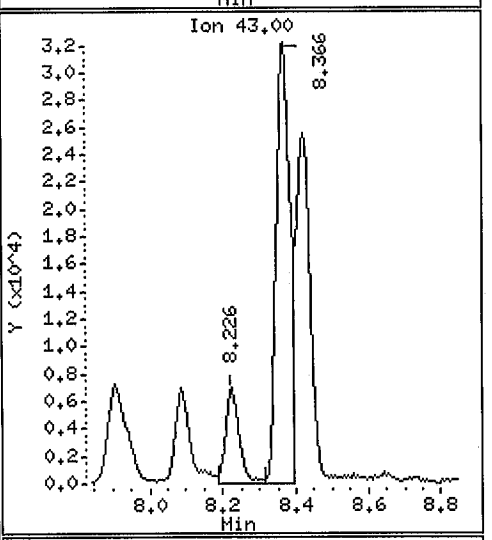
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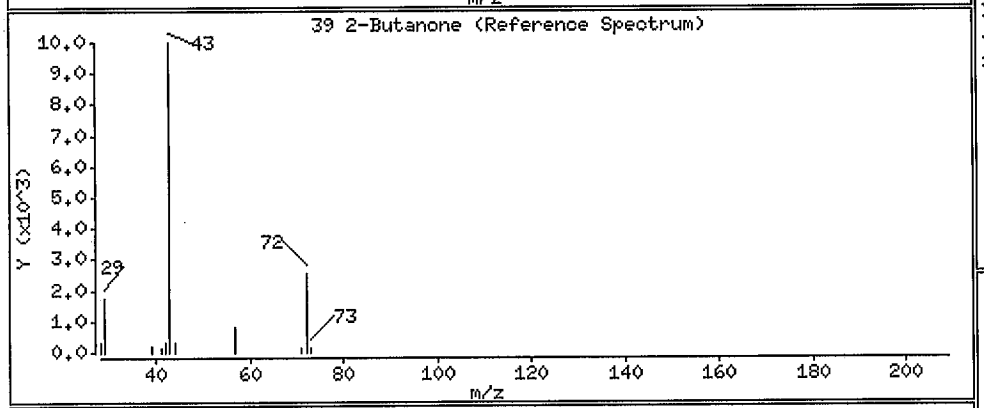
39 2-Butanone Concentration: 0.2849 ppb(v/v)

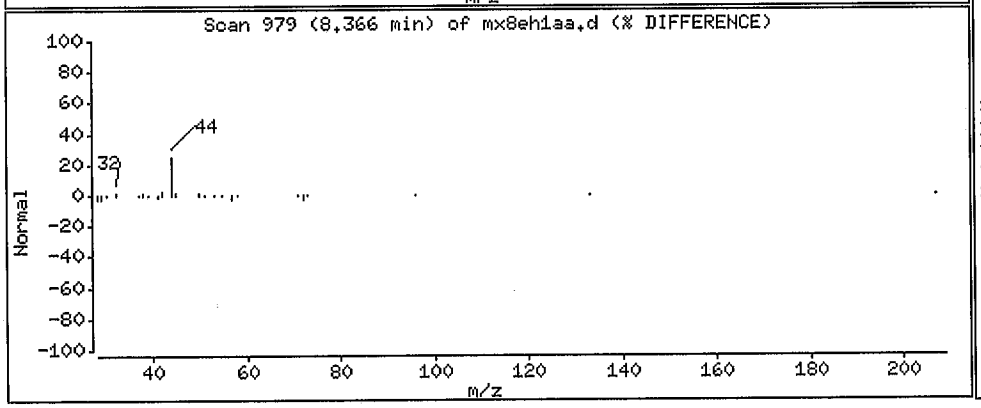


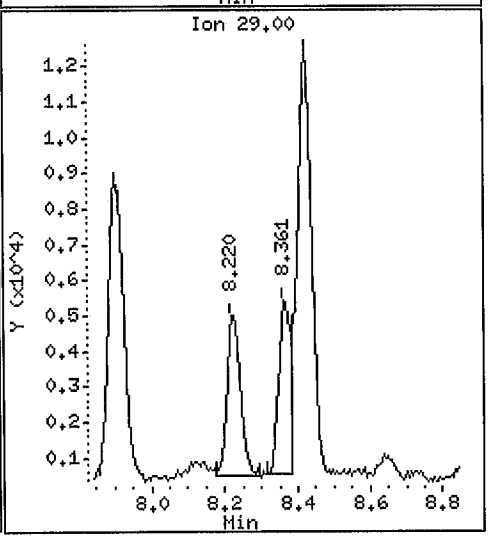












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

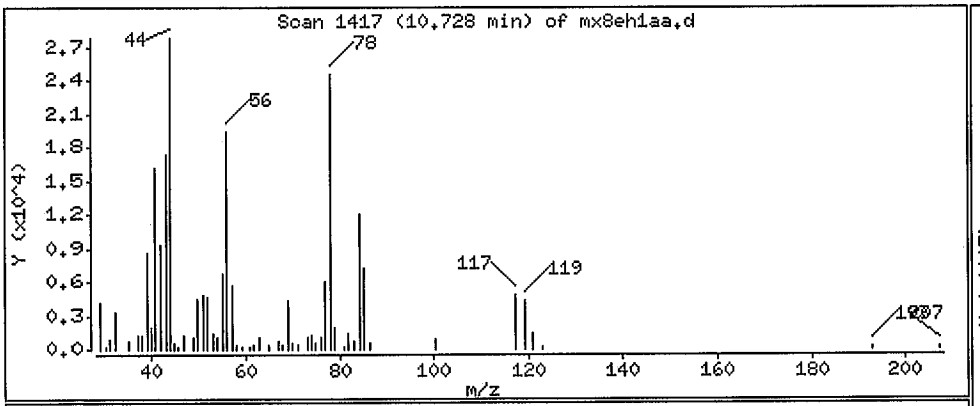
Client ID: 828076-IA-003B2-02 Instrument: mr.i

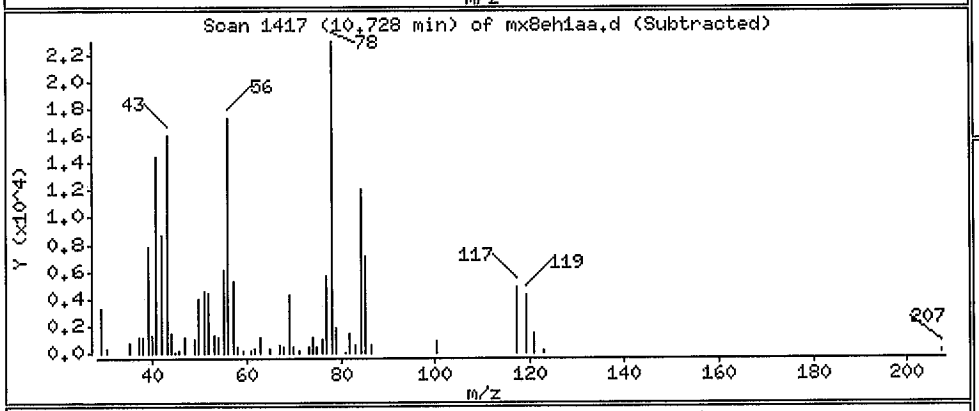
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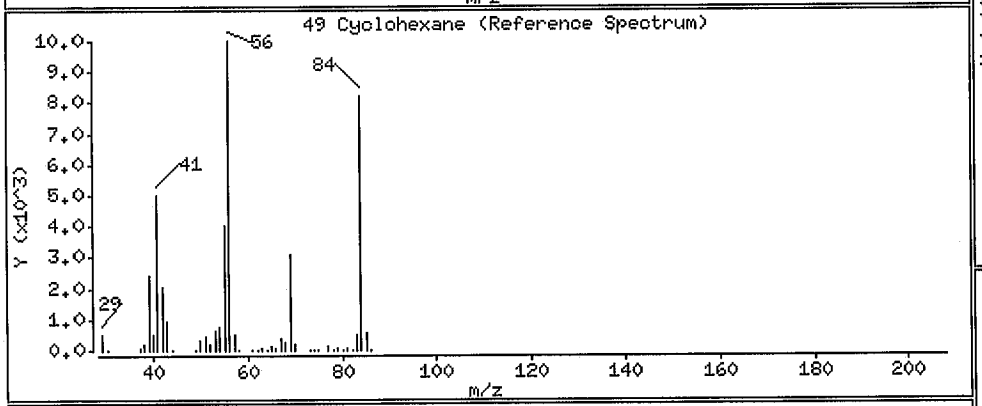
Purge Volume: 500.0 Operator: 403648

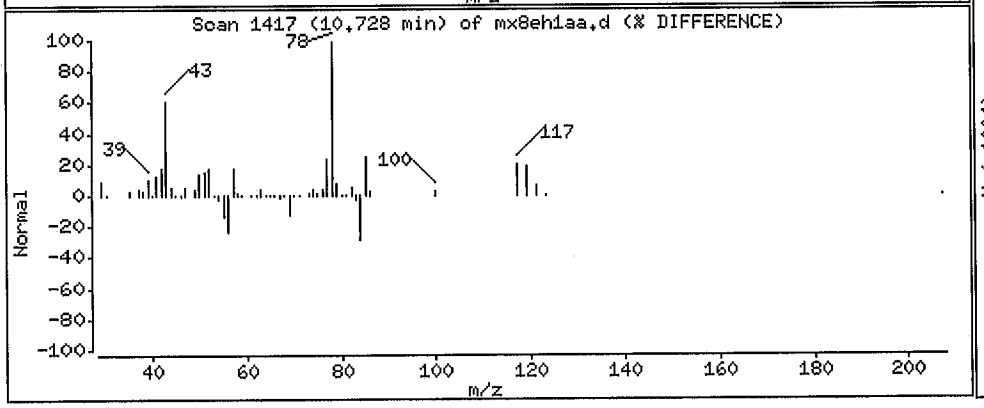
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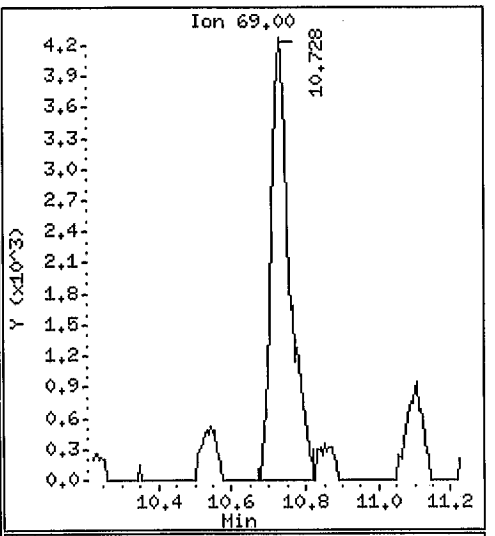
49 Cyclohexane Concentration: 0.2147 ppb(v/v)

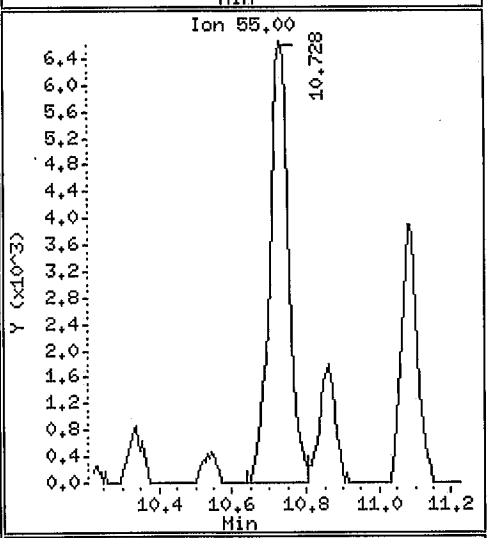


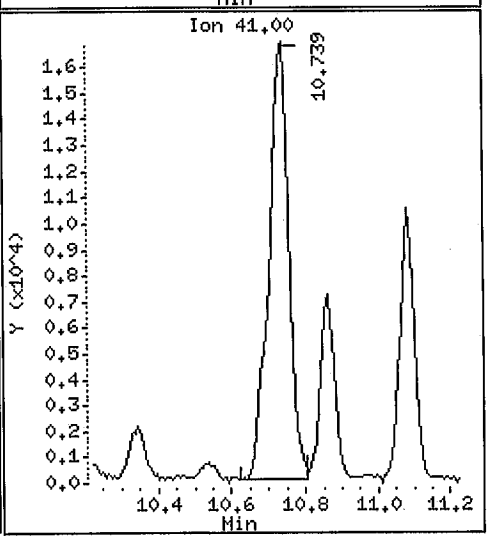












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

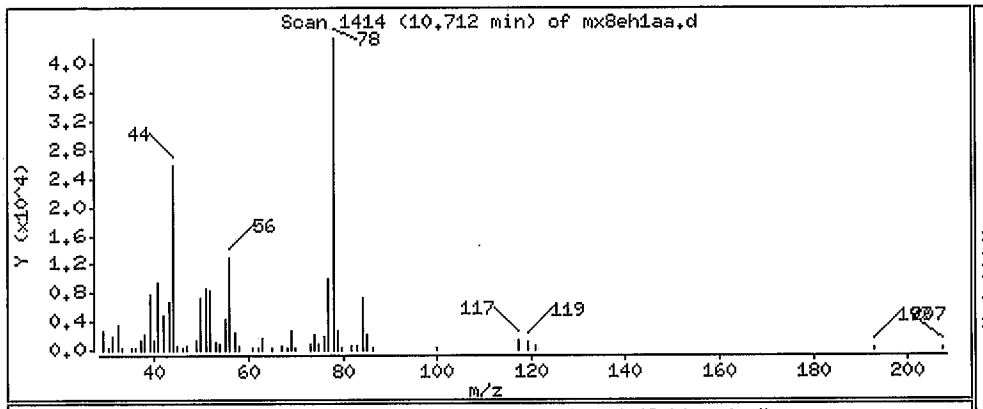
Client ID: 828076-IA-003B2-02 Instrument: mr.i

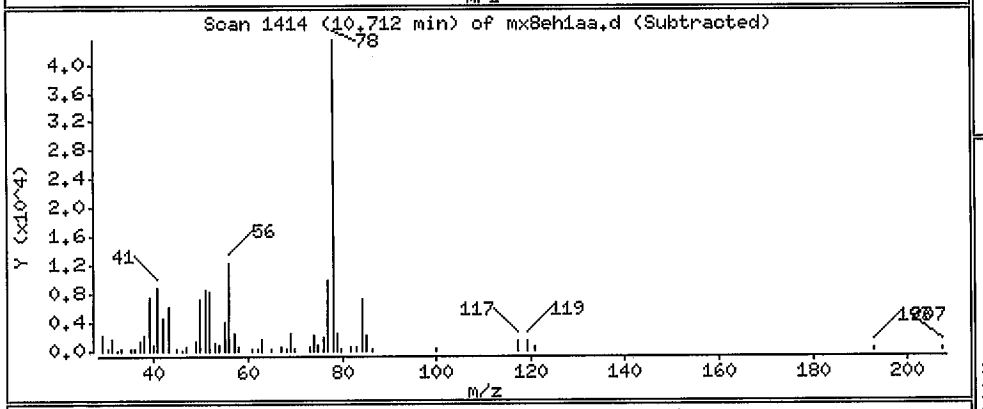
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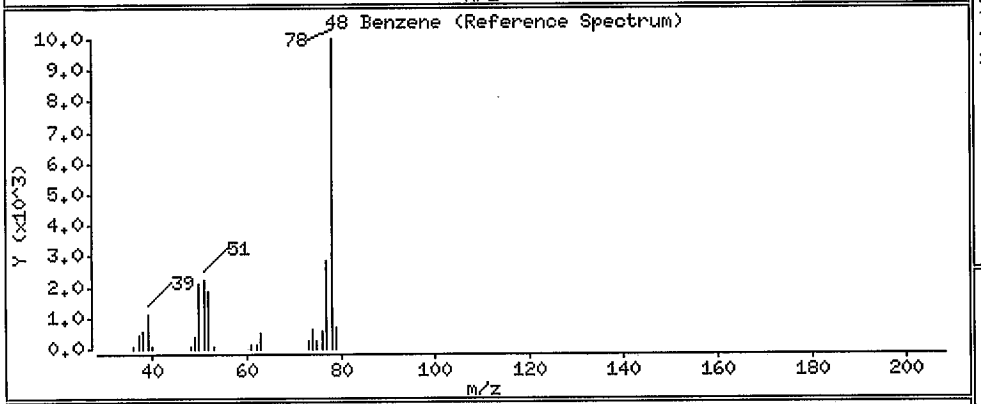
Purge Volume: 500.0 Operator: 403648

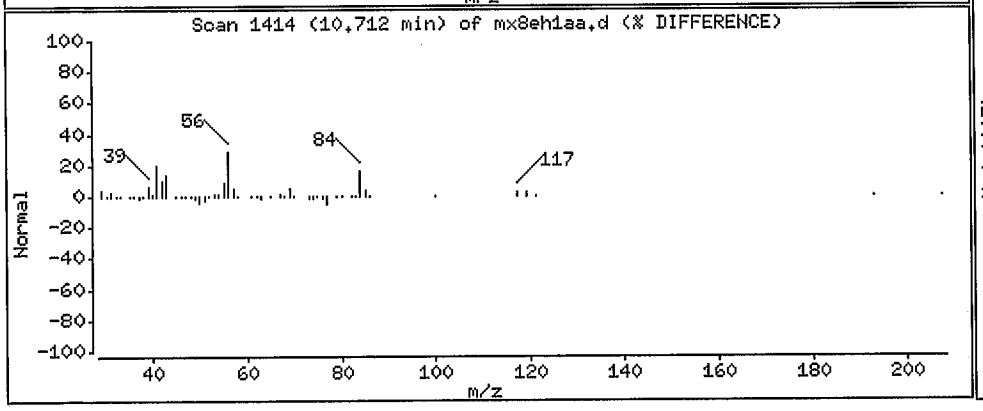
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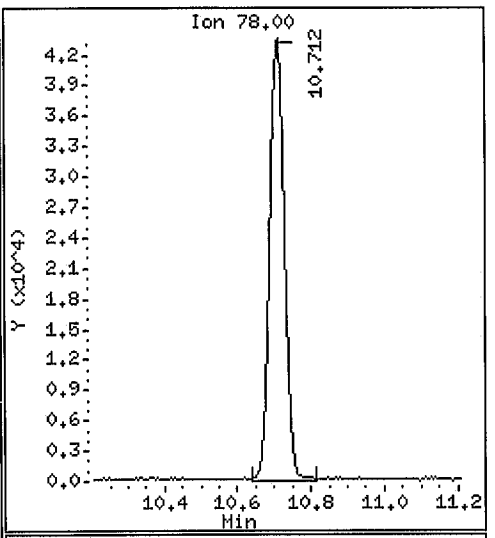
48 Benzene Concentration: 0.2679 ppb(v/v)

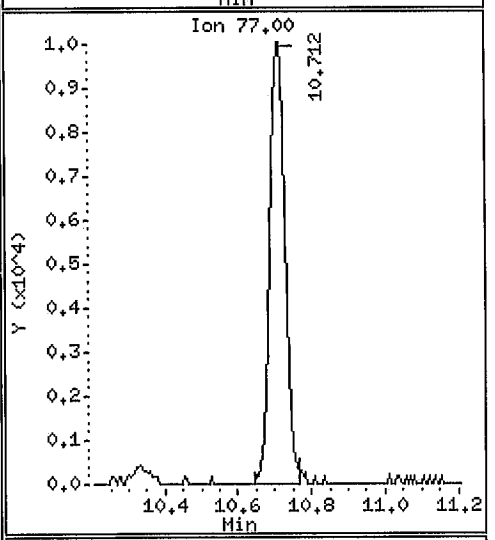


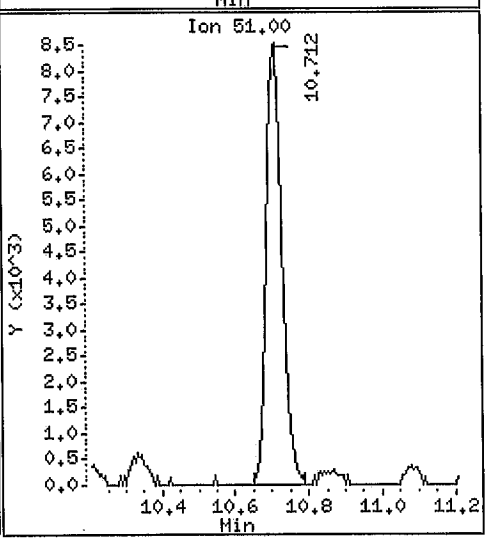












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

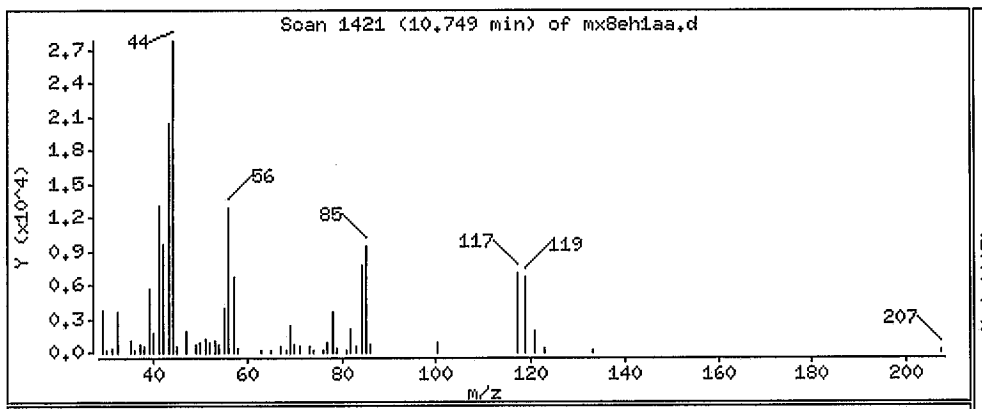
Client ID: 828076-IA-003B2-02 Instrument: mr.i

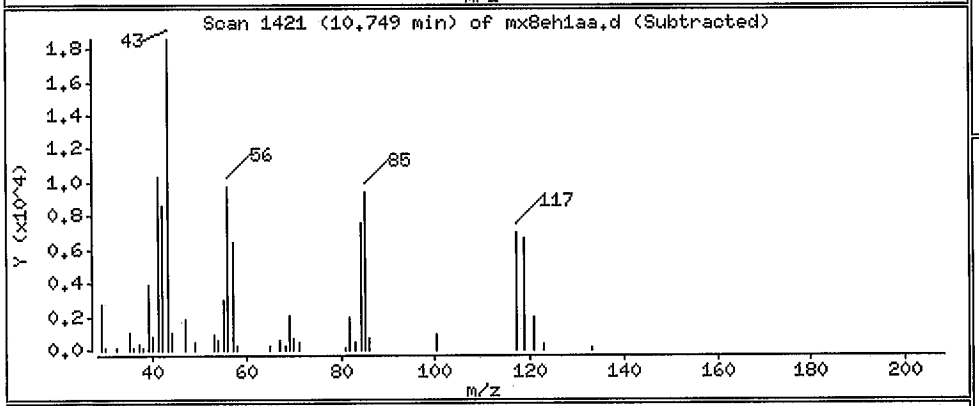
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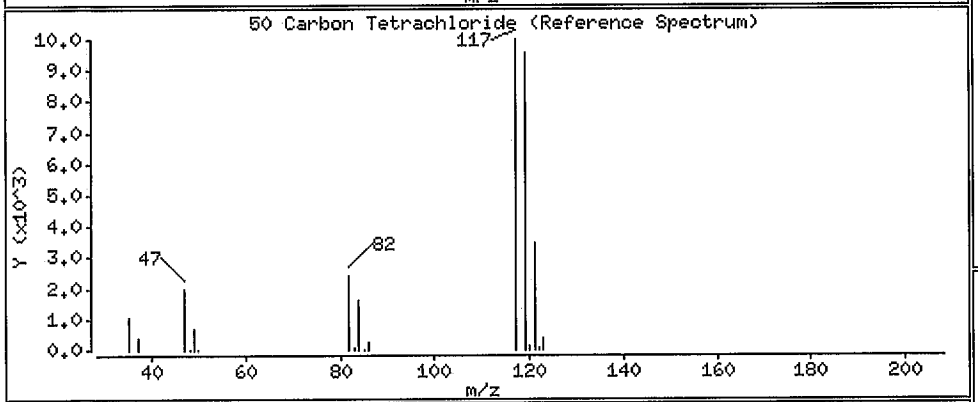
Purge Volume: 500.0 Operator: 403648

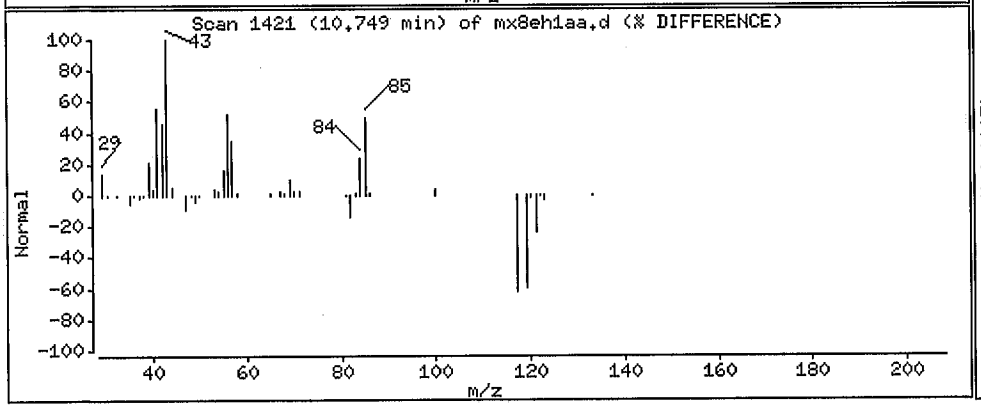
Column phase: Rtx-5 Column diameter: 0.32

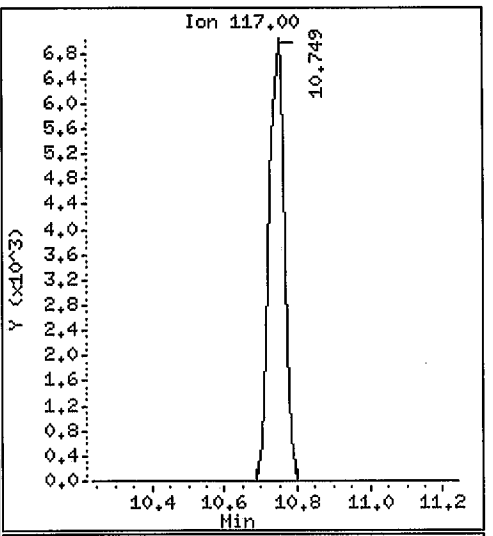
50 Carbon Tetrachloride Concentration: 0.08662 ppb(v/v)

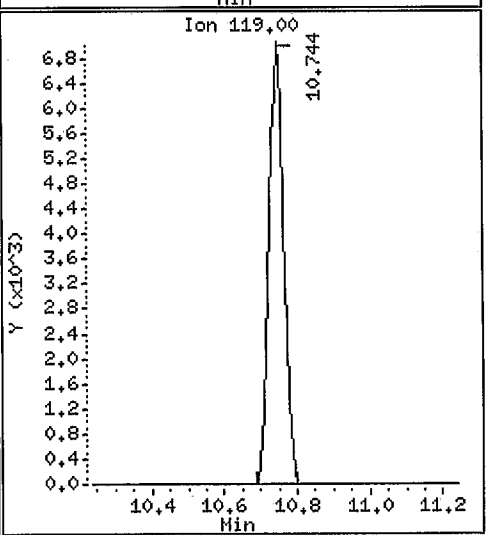


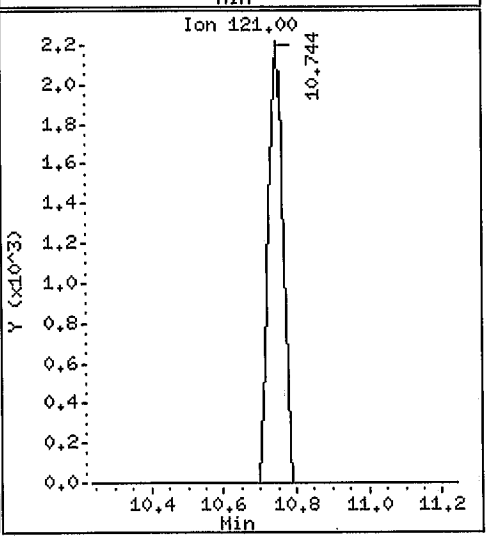












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

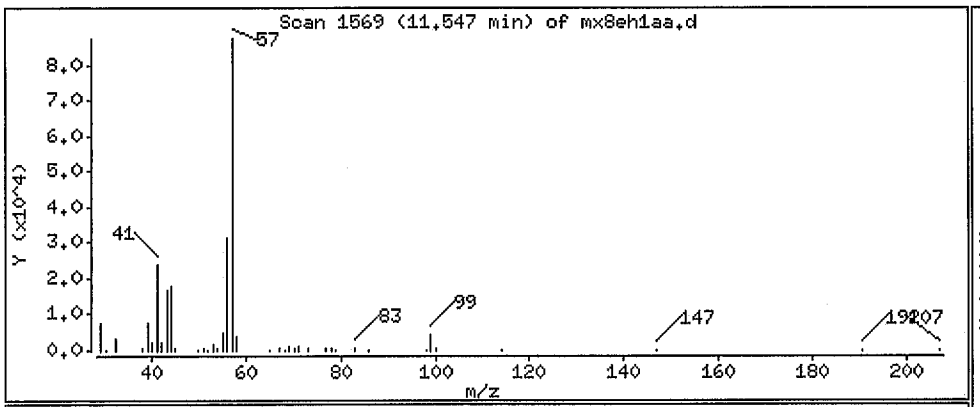
Client ID: 828076-IA-003B2-02 Instrument: mr.i

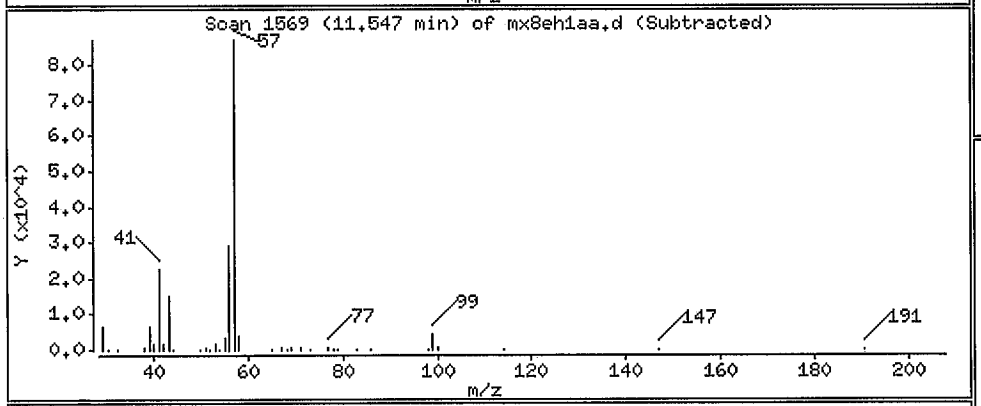
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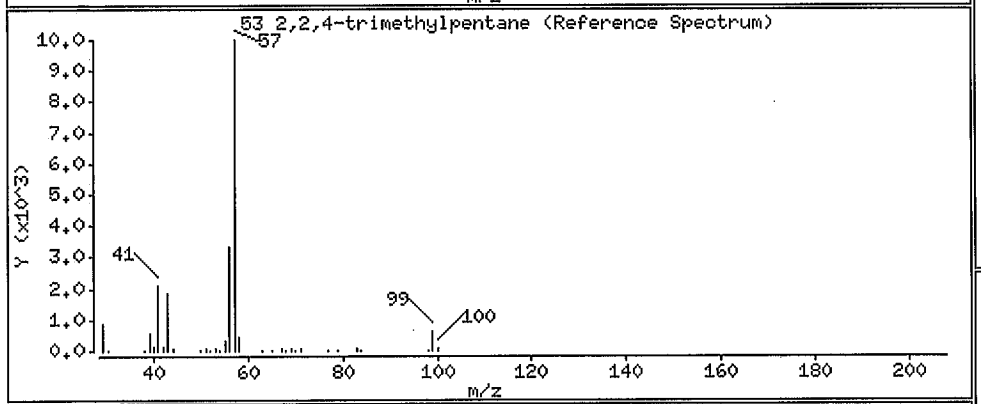
Purge Volume: 500.0 Operator: 403648

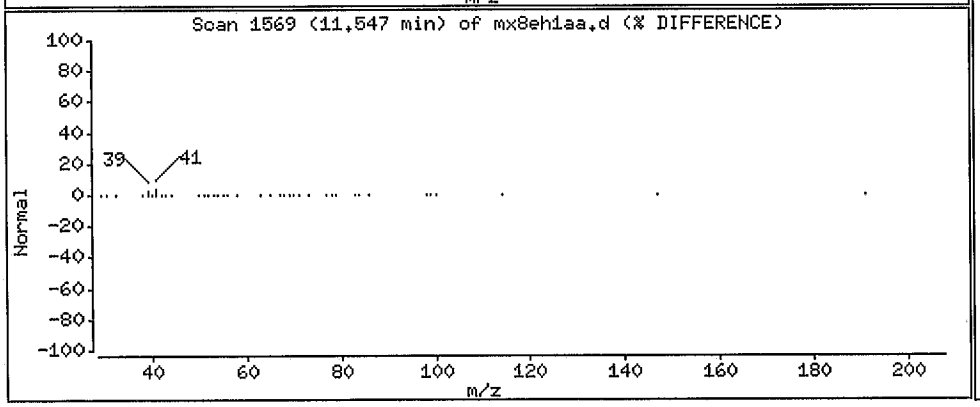
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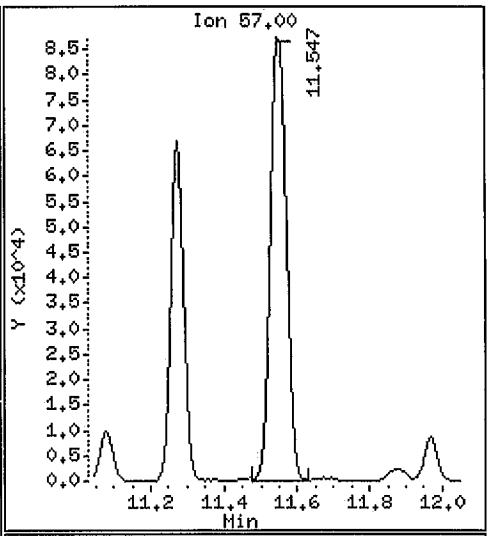
53 2,2,4-trimethylpentane Concentration: 0.3534 ppb(v/v)

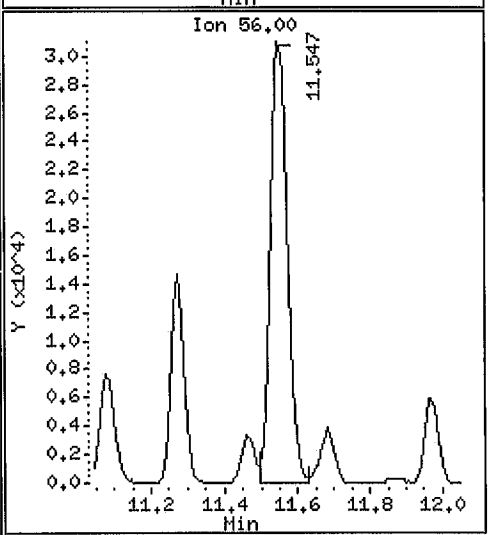


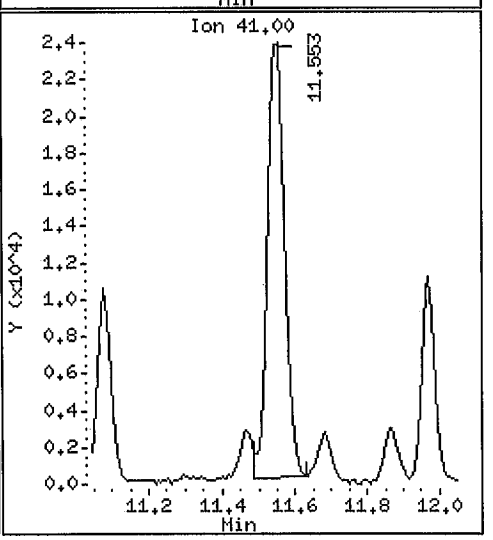












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

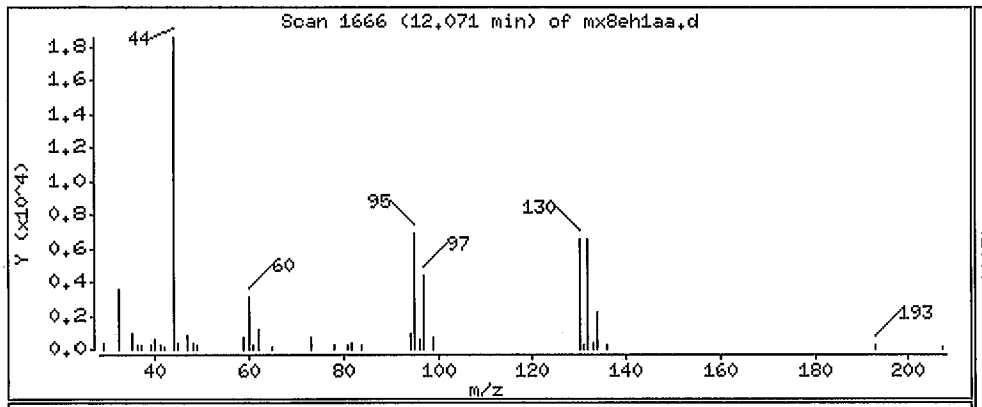
Client ID: 828076-IA-003B2-02 Instrument: mr.i

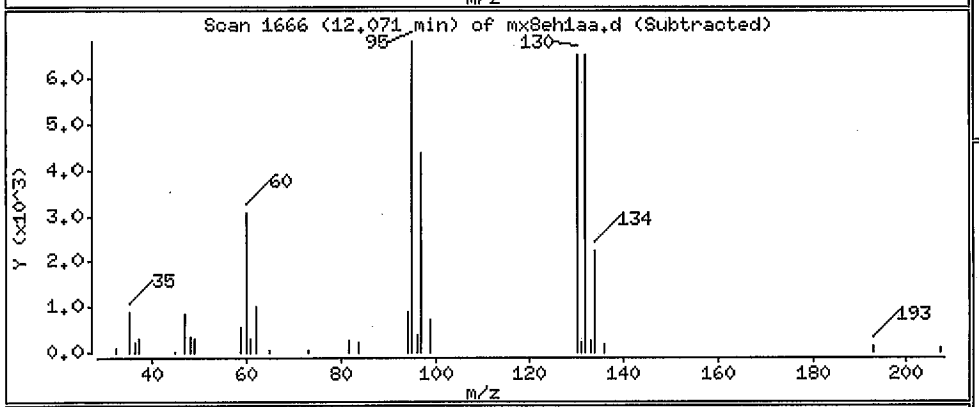
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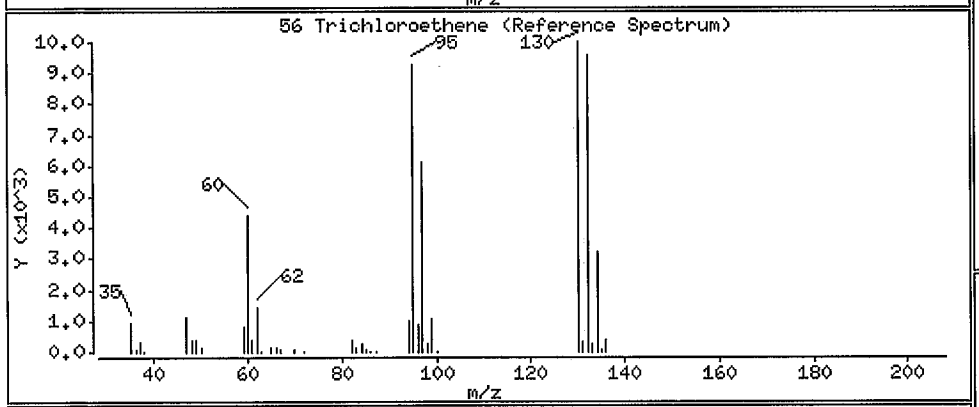
Purge Volume: 500.0 Operator: 403648

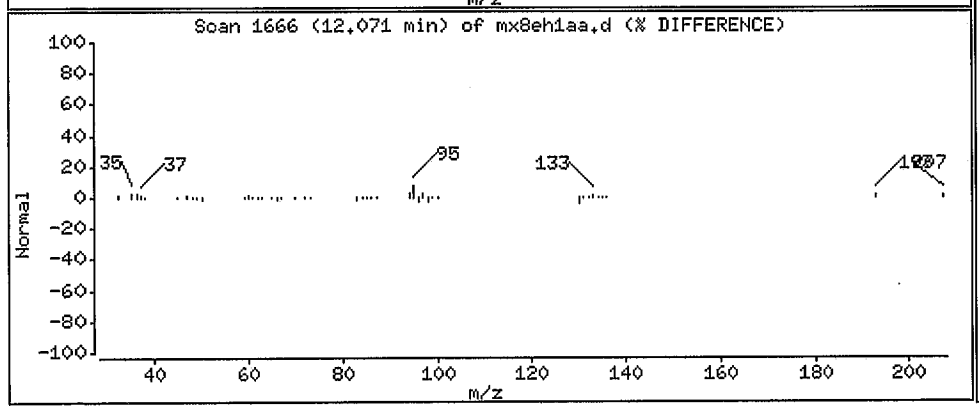
Column phase: Rtx-5 Column diameter: 0.32

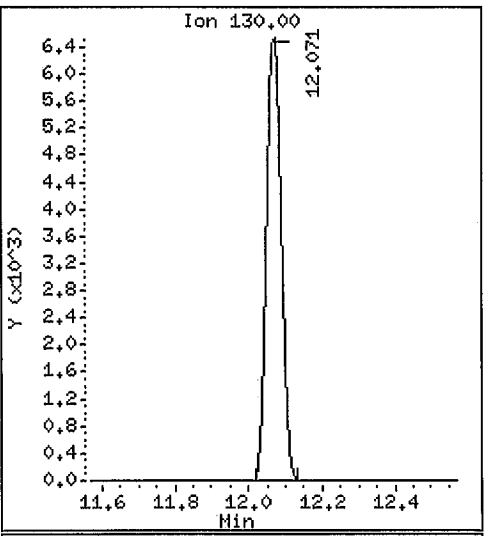
56 Trichloroethene Concentration: 0.08877 ppb(v/v)

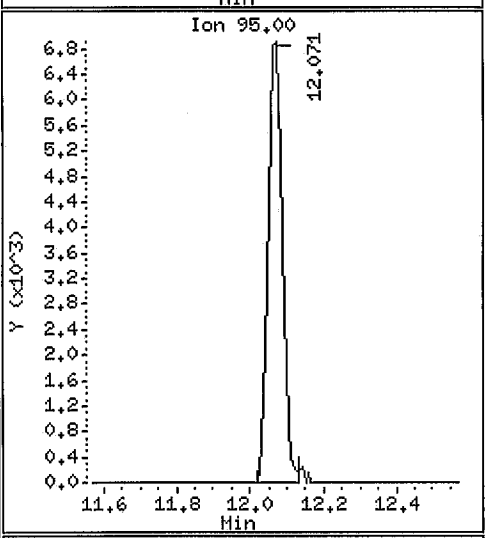


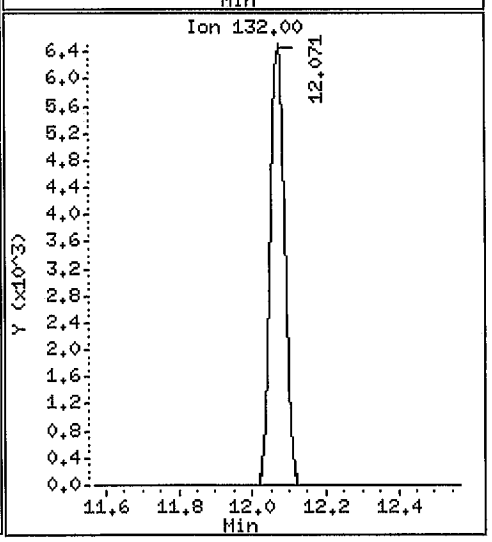












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

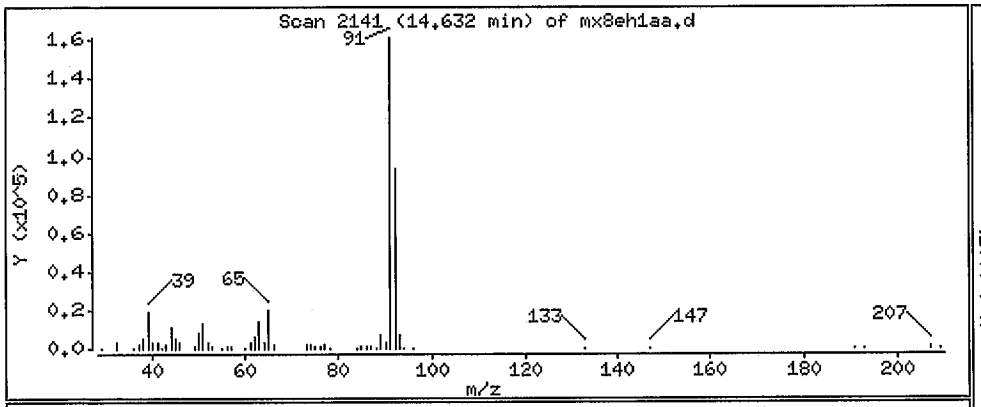
Client ID: 828076-IA-003B2-02 Instrument: mr.i

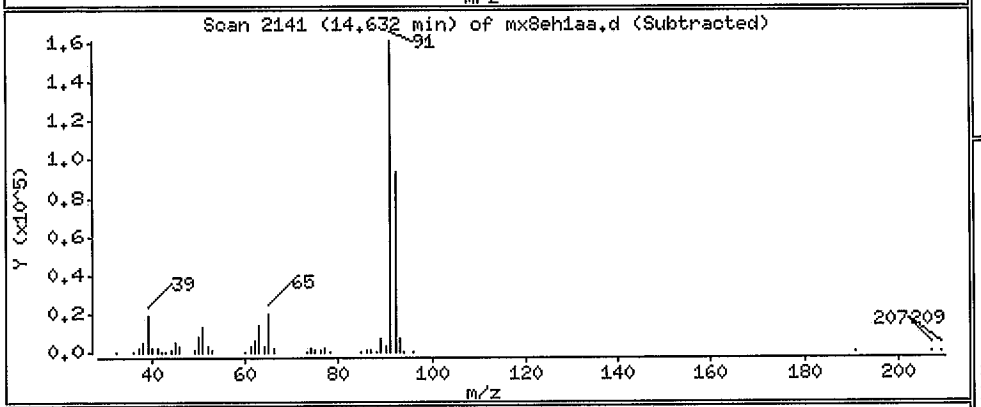
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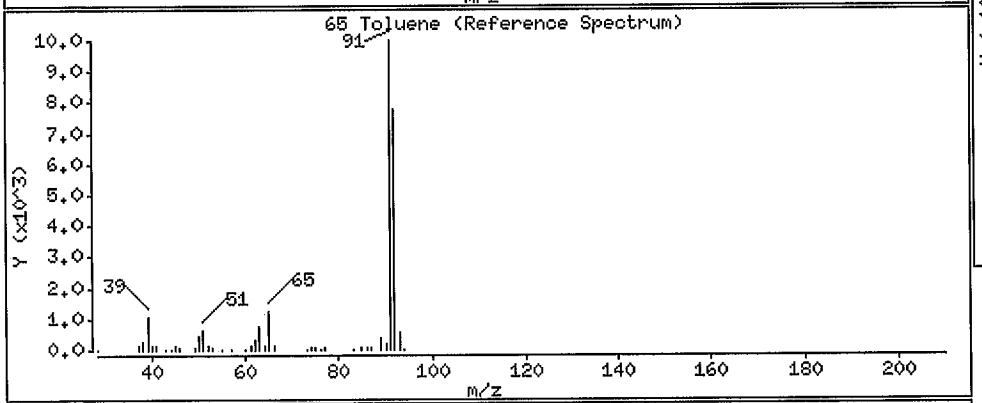
Purge Volume: 500.0 Operator: 403648

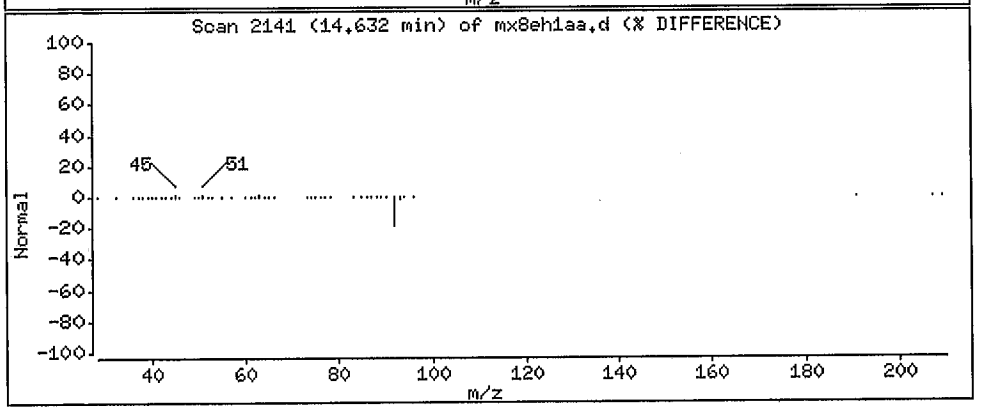
Column phase: Rtx-5 Column diameter: 0.32

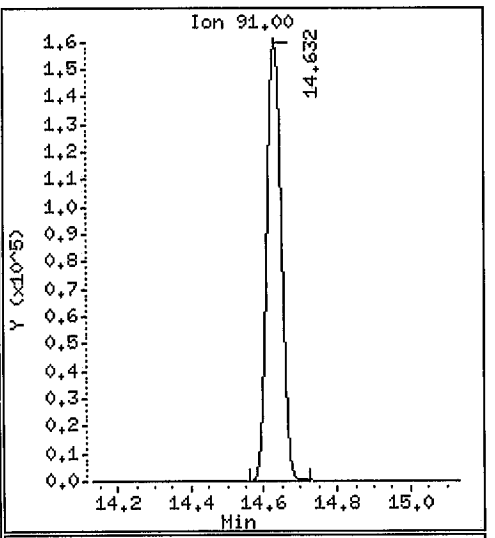
65 Toluene Concentration: 0.7468 ppb(v/v)

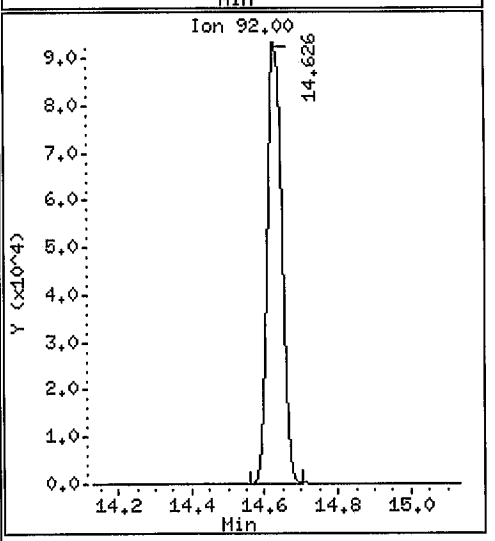












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

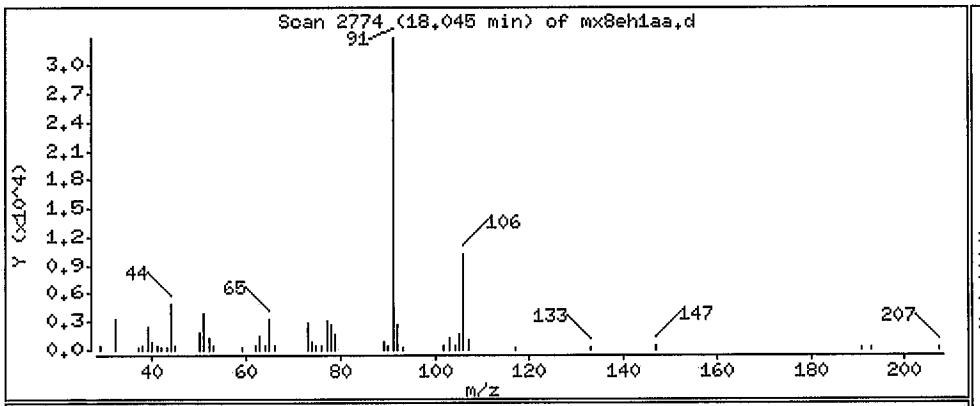
Client ID: 828076-IA-003B2-02 Instrument: mr.i

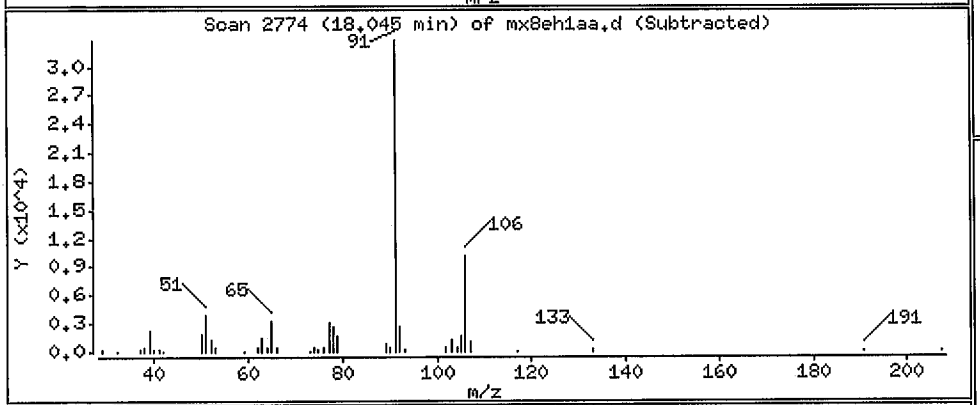
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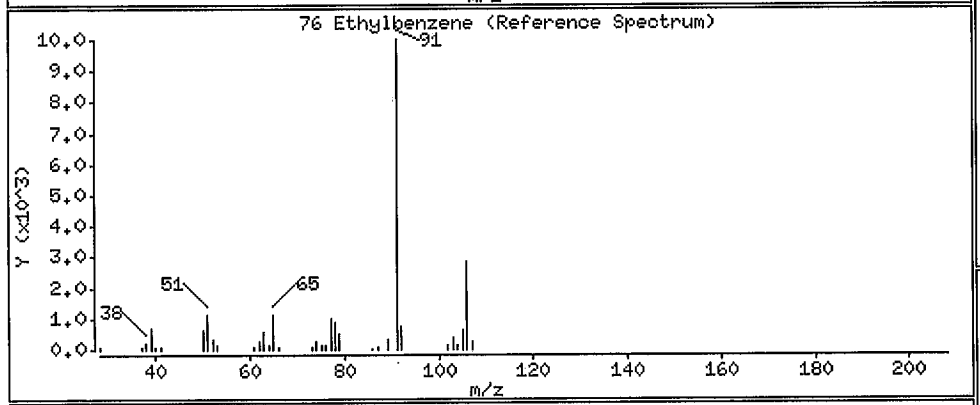
Purge Volume: 500.0 Operator: 403648

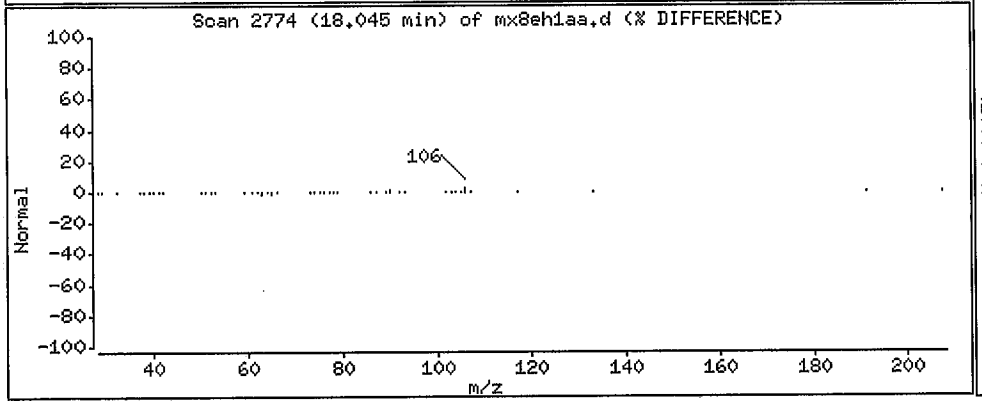
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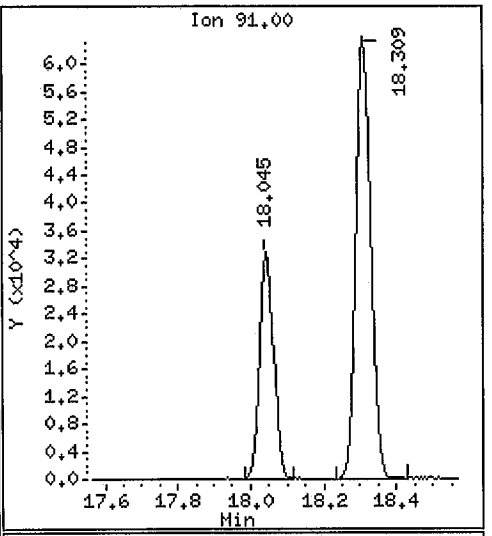
76 Ethylbenzene Concentration: 0.1220 ppb(v/v)

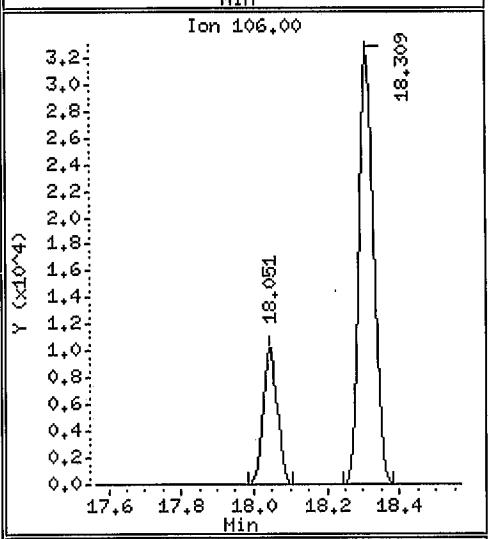


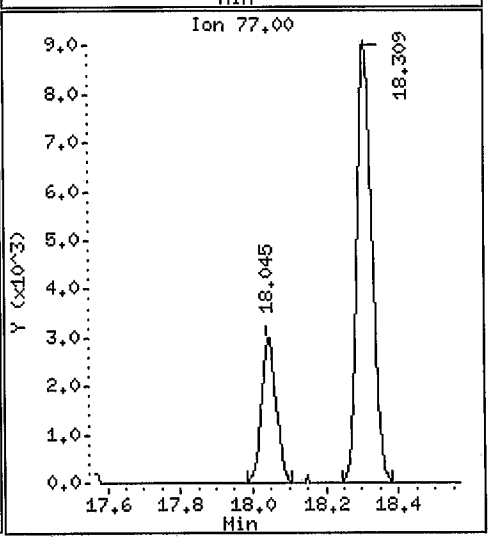












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

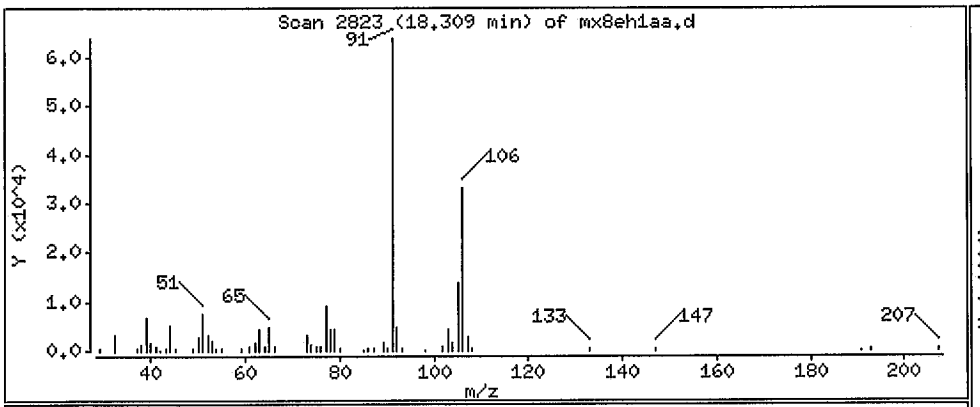
Client ID: 828076-IA-003B2-02 Instrument: mr.i

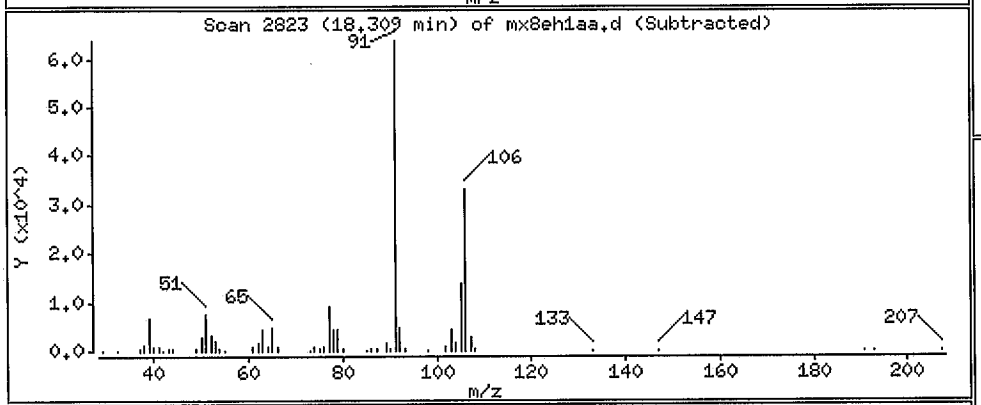
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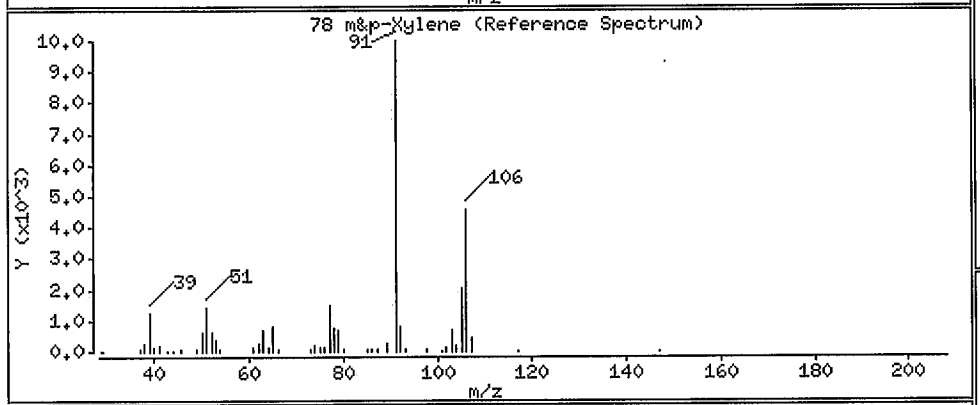
Purge Volume: 500.0 Operator: 403648

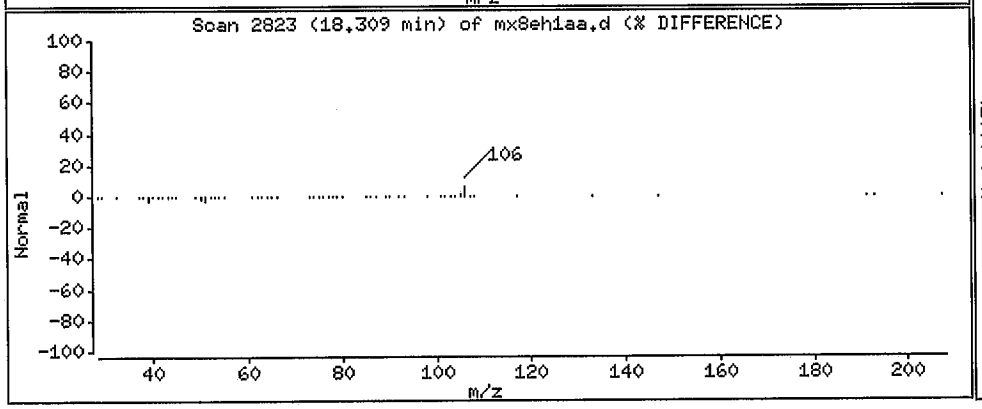
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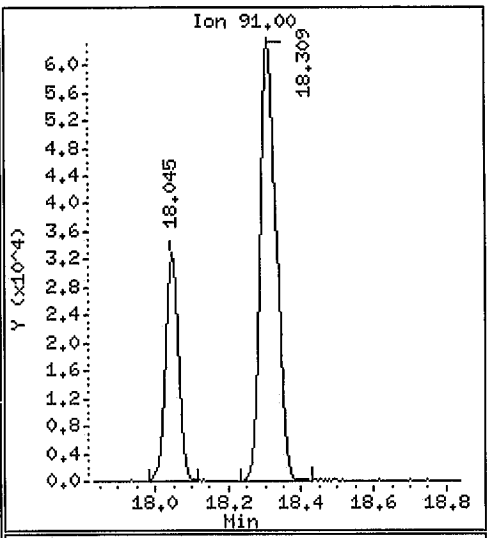
78 m&p-Xylene Concentration: 0.3571 ppb(v/v)

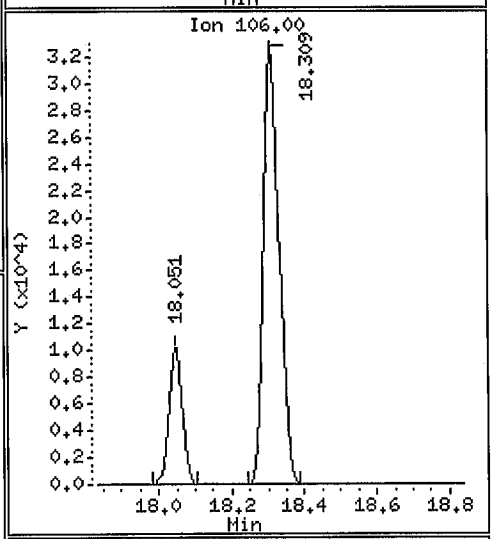


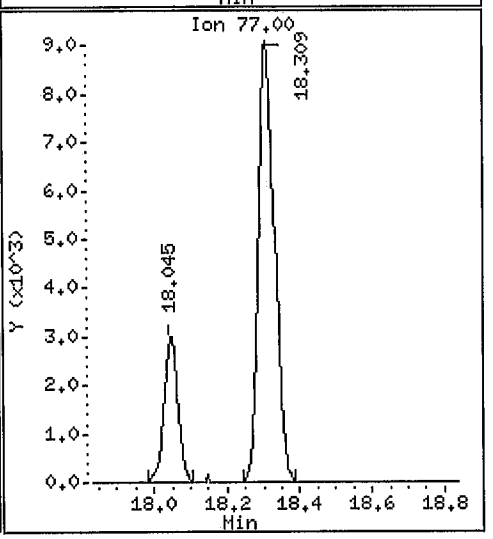












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

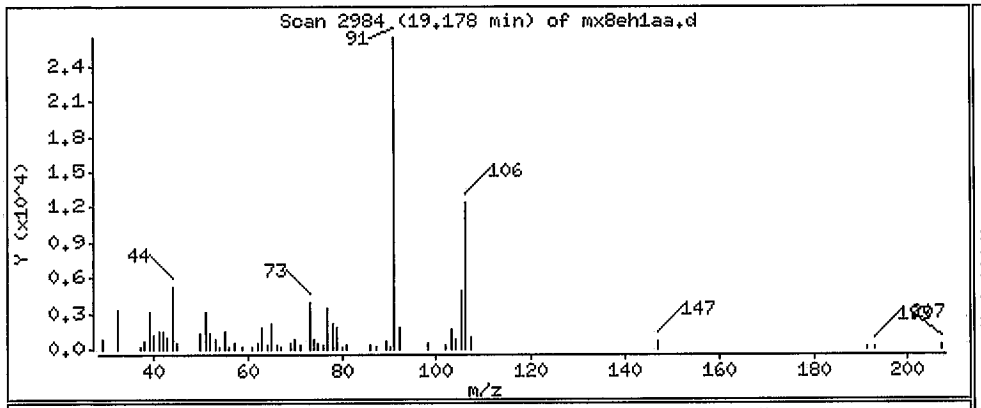
Client ID: 828076-IA-003B2-02 Instrument: mr.i

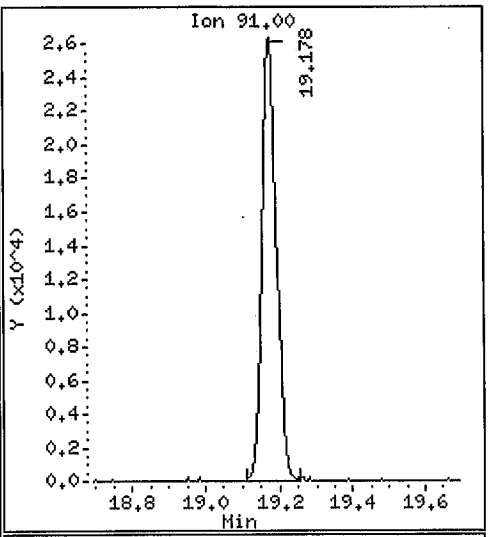
Sample Info: ,,0,,,

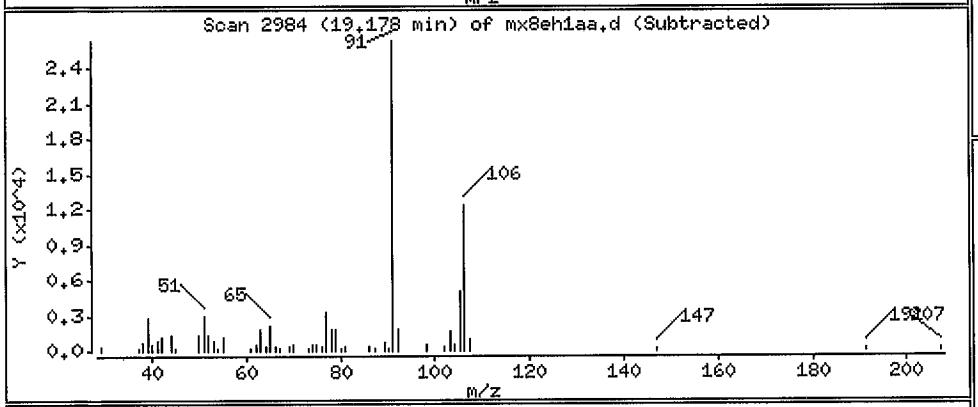
Purge Volume: 500.0 Operator: 403648

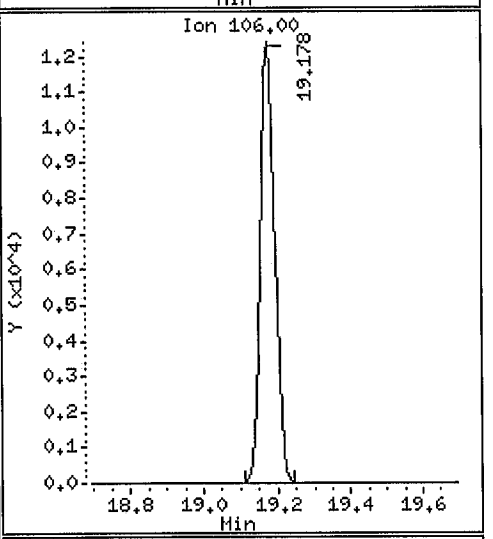
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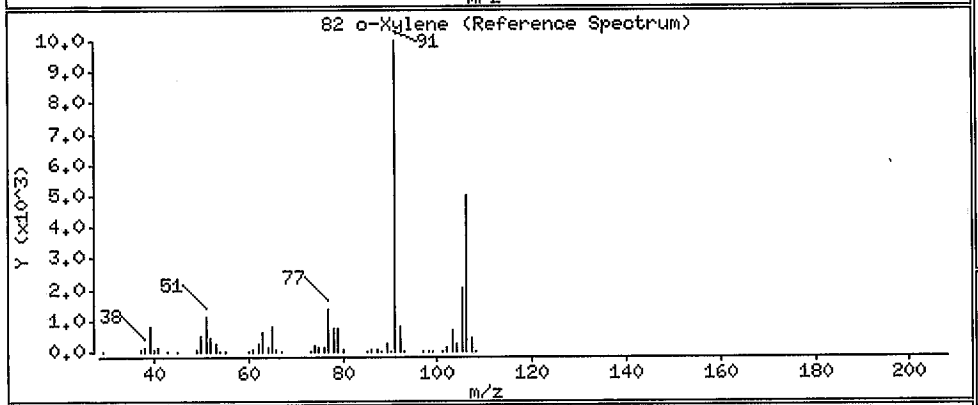
82 o-Xylene Concentration: 0.1278 ppb(v/v)

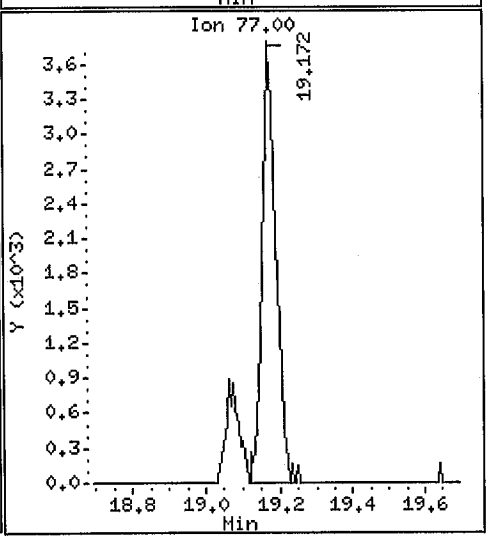


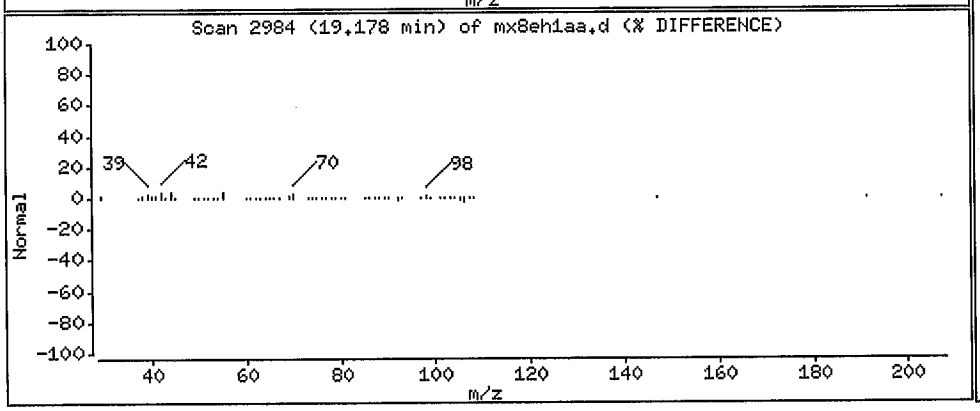












Data File: /var/chem/gcms/mr.i/R022813.b/mx8eh1aa.d

Date : 01-MAR-2013 00:46

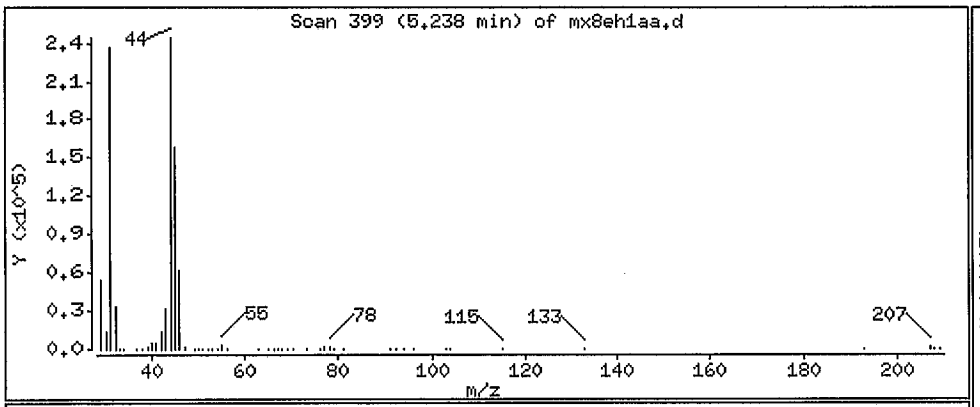
Client ID: 828076-IA-003B2-02 Instrument: mr.i

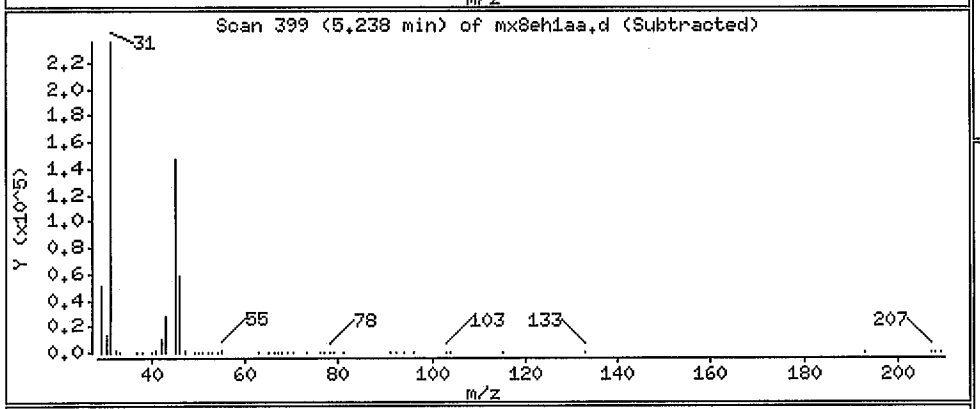
Sample Info: ,,0,,,

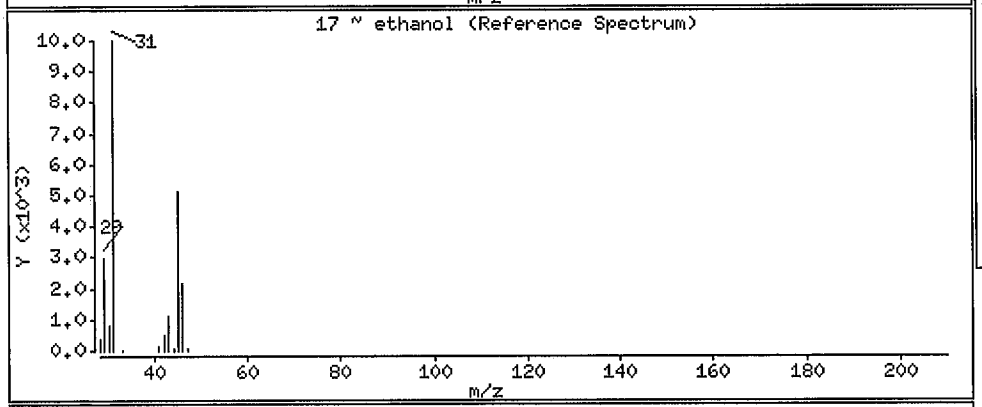
Purge Volume: 500.0 Operator: 403648

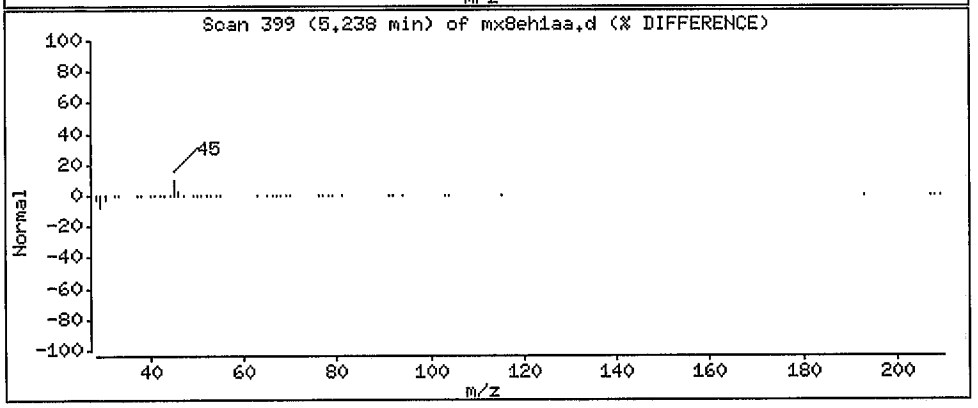
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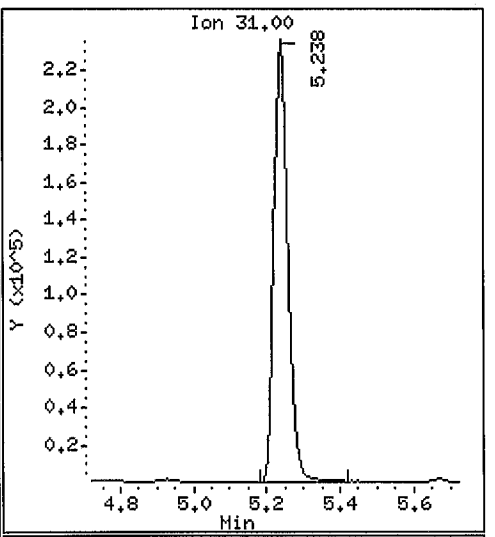
17 ~ ethanol Concentration: 13.00 ppb(v/v)

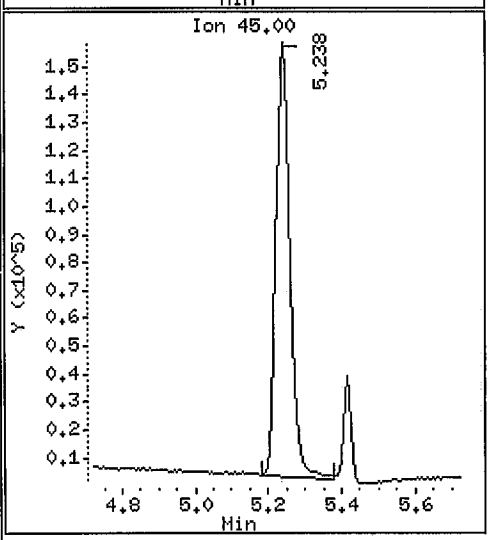












New York State D.E.C.

Client Sample ID: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 008 **Work Order #** MX8EJ1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	ND	0.40	ND	2.0
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	ND	0.40	ND	1.1
Chloroform	ND	0.40	ND	2.0
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	**1.4**	**1.0**	**2.8**	**2.1**
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.42**	**0.40**	**2.1**	**2.0**
Ethanol	**4.8**	**4.0**	**9.0**	**7.5**
Ethylbenzene	ND	0.40	ND	1.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B2-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 008 **Work Order #** MX8EJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**2.7**	**0.80**	**9.7**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	ND	0.40	ND	1.7
tert-Butyl alcohol	**2.5**	**1.6**	**7.6**	**4.9**
Tetrachloroethene	**0.89**	**0.40**	**6.1**	**2.7**
Toluene	**1.1**	**0.40**	**4.1**	**1.5**
m-Xylene & p-Xylene	**1.4**	**0.40**	**6.1**	**1.7**
o-Xylene	**0.46**	**0.40**	**2.0**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**16**	**0.20**	**85**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	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/mg.i/G030113A.b/mx8ej1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d
Lab Smp Id: MX8EJ1AA Client Smp ID: 828076-SS-003B2-02
Inj Date : 01-MAR-2013 15:22
Operator : 7126 Inst ID: mg.i
Smp Info : ,5,0,,,
Misc Info : G030113A,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 02-Mar-2013 12:55 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 2
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	5.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	7.581	7.581	(1.000)	391893	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.646	9.652	(1.000)	1790828	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1480444	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	995076	3.79089	3.791
7 Dichlorodifluoromethane	85	3.499	3.493	(0.462)	29325	0.08338	0.4169
8 Chloromethane	52	3.634	3.628	(0.479)	9897	0.27125	1.356
28 tert-butanol	59	5.246	5.235	(0.692)	84530	0.49819	2.491
36 Methyl-t-Butyl Ether	73	6.190	6.179	(0.816)	148716	0.53945	2.697
56 Trichloroethene	130	10.363	10.369	(1.074)	597754	3.18102	15.90
65 Toluene	91	12.531	12.536	(0.859)	85109	0.21701	1.085
73 Tetrachloroethene	129	13.707	13.712	(0.939)	27458	0.17850	0.8925
78 m&p-Xylene	91	15.098	15.103	(1.035)	105587	0.28111	1.406
82 o-Xylene	91	15.637	15.637	(1.072)	34769	0.09101	0.4550
17 ~ ethanol	31	4.265	4.254	(0.563)	29922	0.95114	4.756

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8ej1aa.d
Lab Smp Id: MX8EJ1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: 828076-SS-003B2-02
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	391893	1.75
2 1,4-Difluorobenze	1517394	902849	2131939	1790828	18.02
3 Chlorobenzene-d5	1361313	809981	1912645	1480444	8.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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.

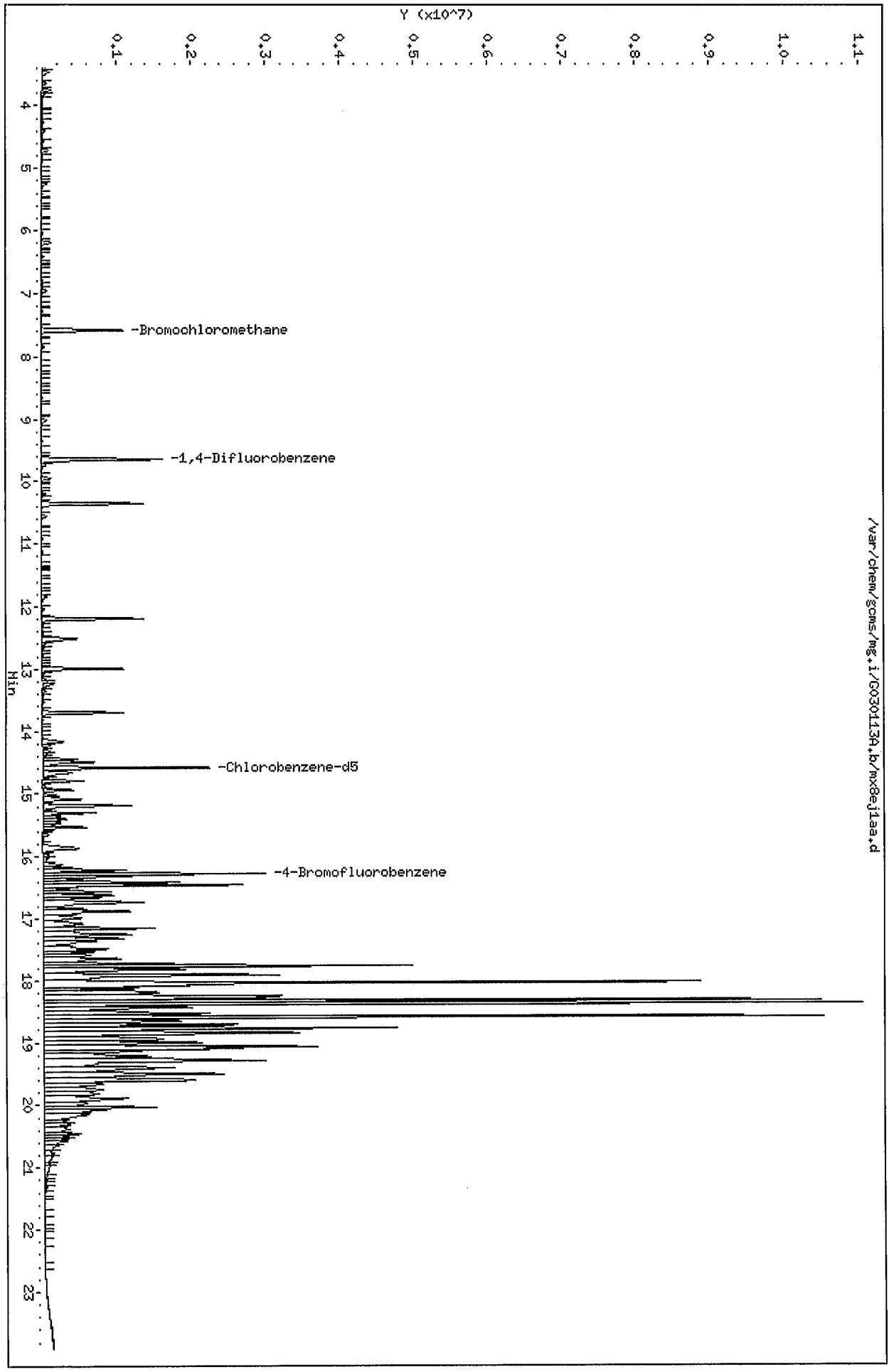
Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EJ1AA Client Smp ID: 828076-SS-003B2-02
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.791	94.77	60-140


Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d
Date : 01-MAR-2013 15:22
Client ID: 828076-SS-00382-02
Sample Info: ,5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
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0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
/var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

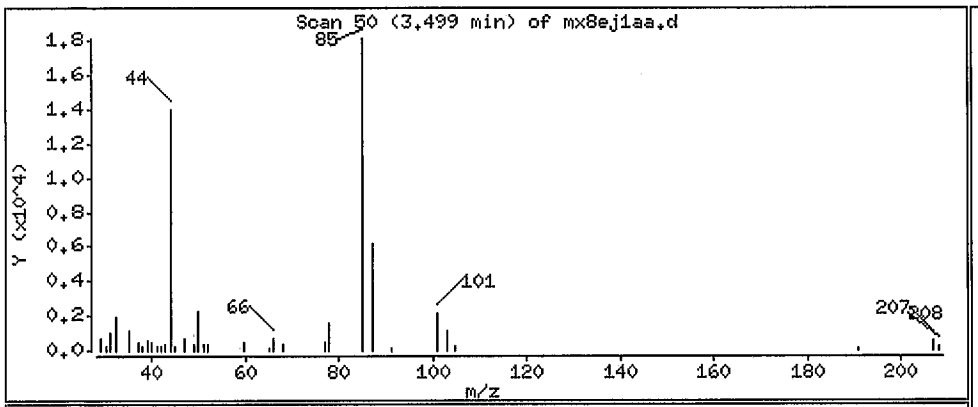
Client ID: 828076-SS-003B2-02 Instrument: mg.i

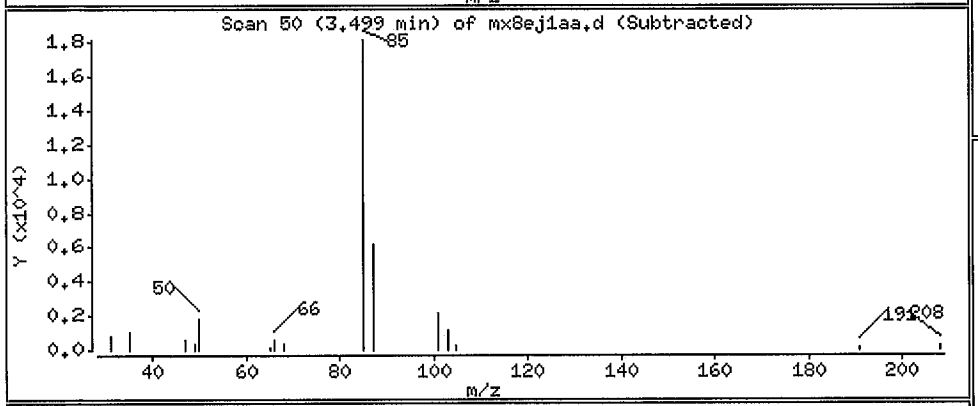
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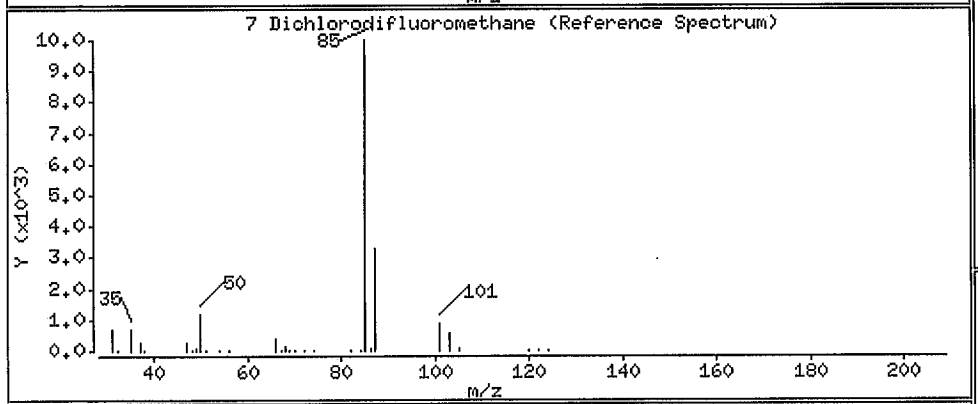
Purge Volume: 500.0 Operator: 7126

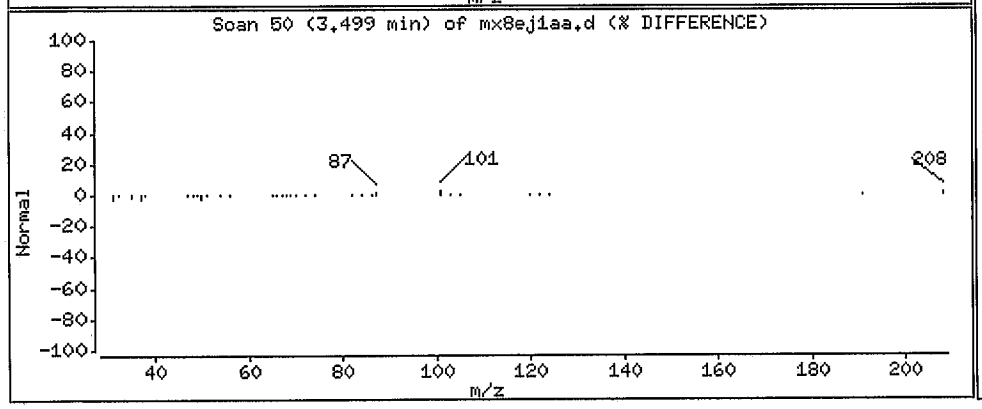
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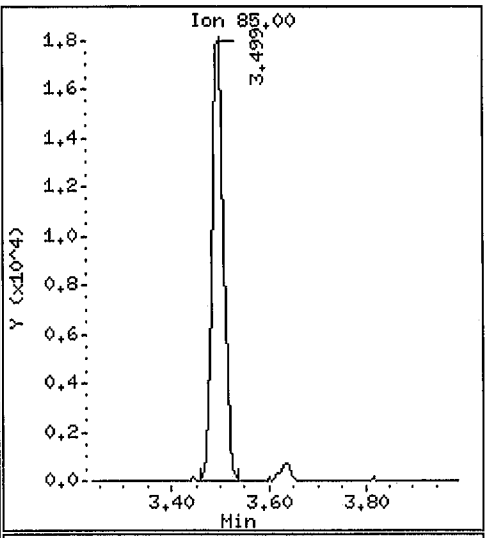
7 Dichlorodifluoromethane Concentration: 0.4169 ppb(v/v)

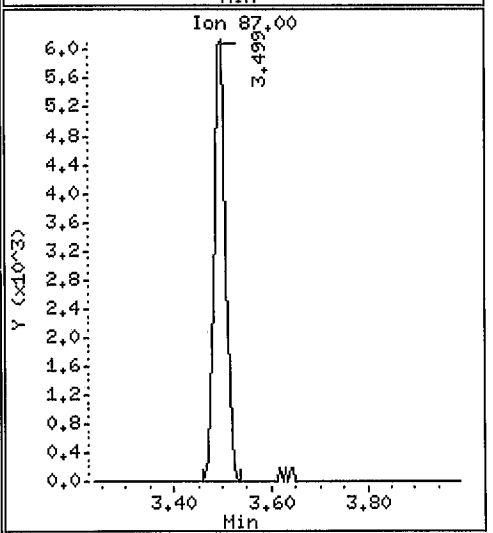


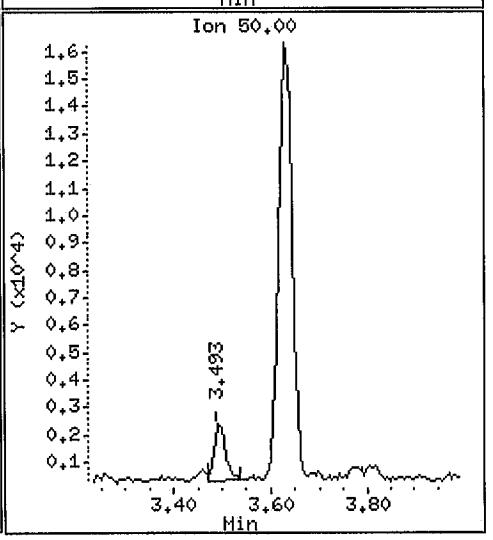












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

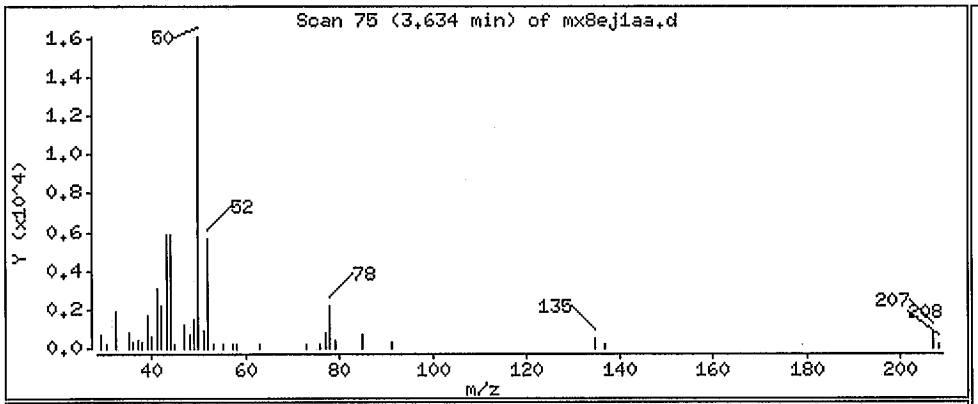
Client ID: 828076-SS-003B2-02 Instrument: mg.i

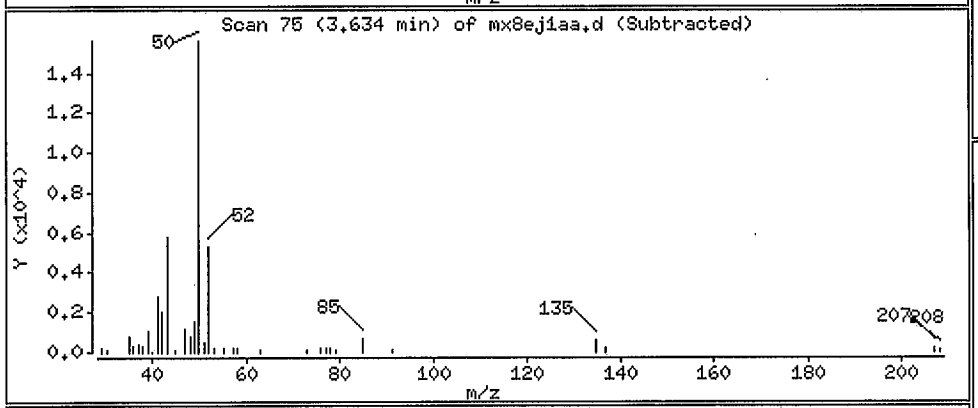
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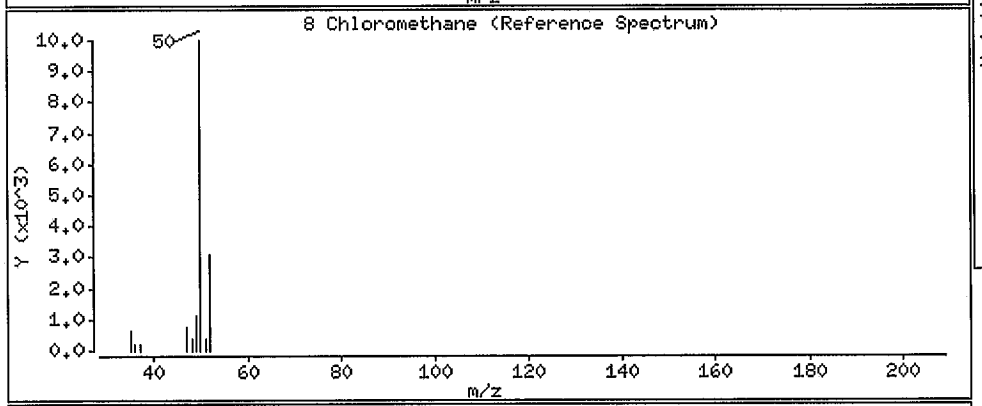
Purge Volume: 500.0 Operator: 7126

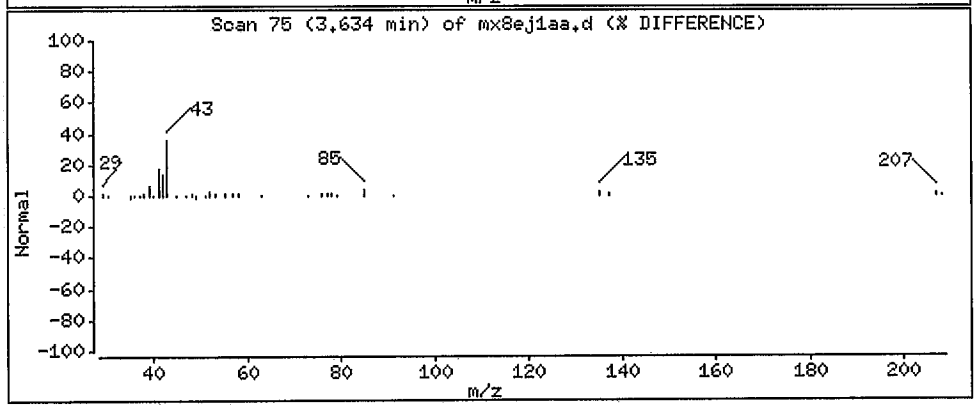
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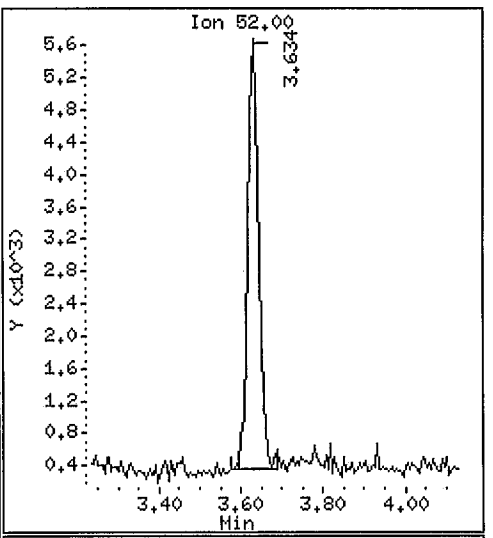
8 Chloromethane Concentration: 1.356 ppb(v/v)

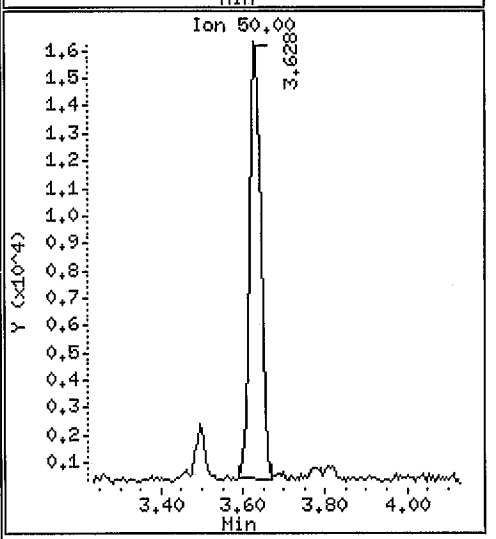












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

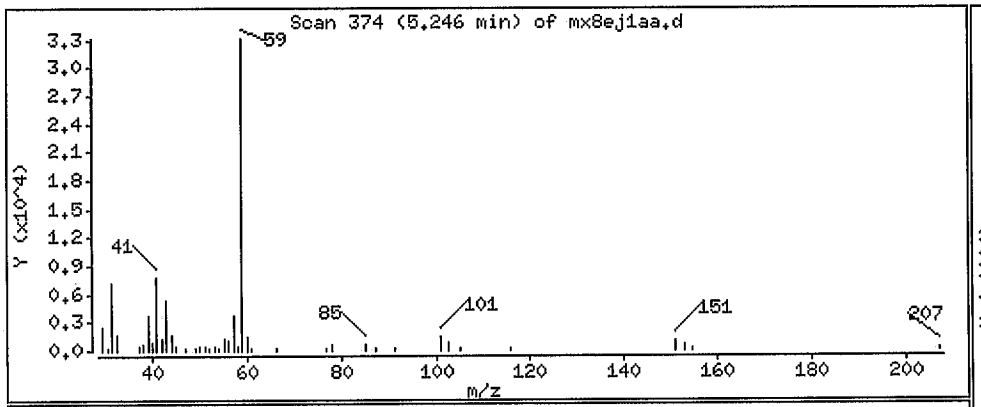
Client ID: 828076-SS-003B2-02 Instrument: mg.i

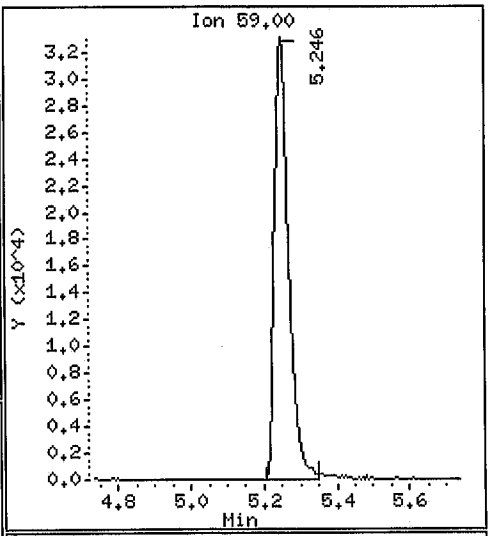
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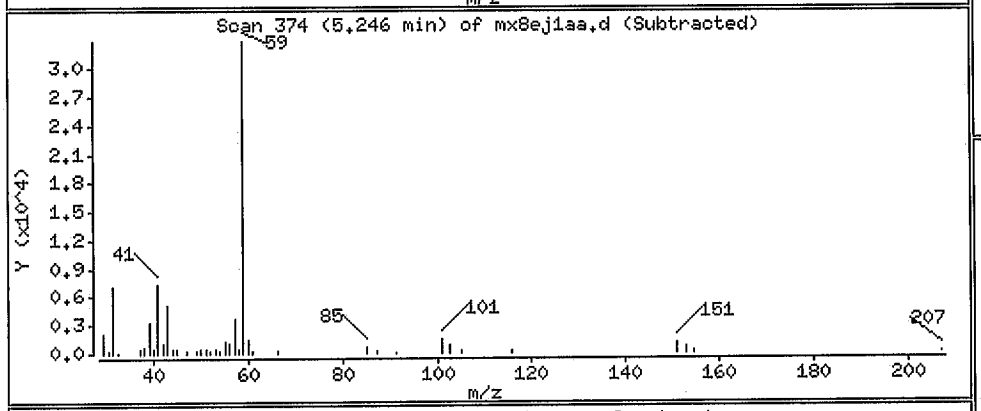
Purge Volume: 500.0 Operator: 7126

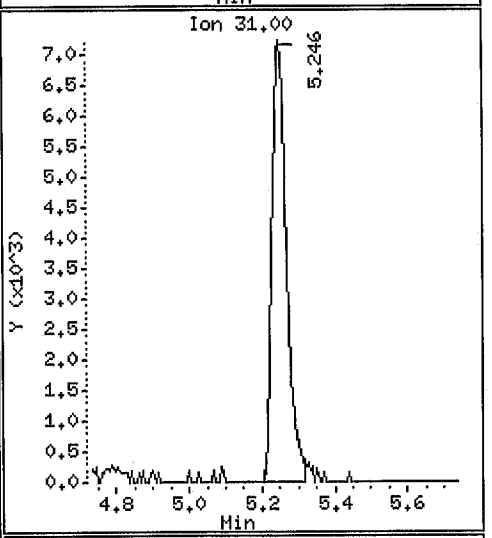
Column phase: Rtx-5 Column diameter: 0.32

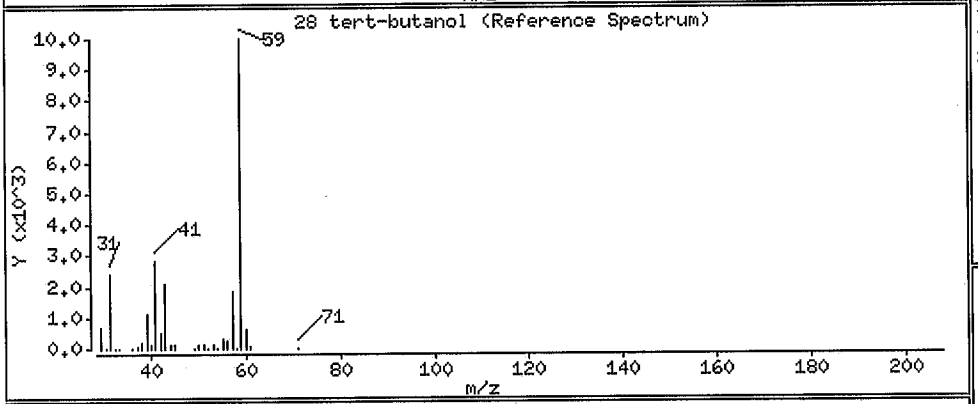
28 tert-butanol Concentration: 2.491 ppb(v/v)

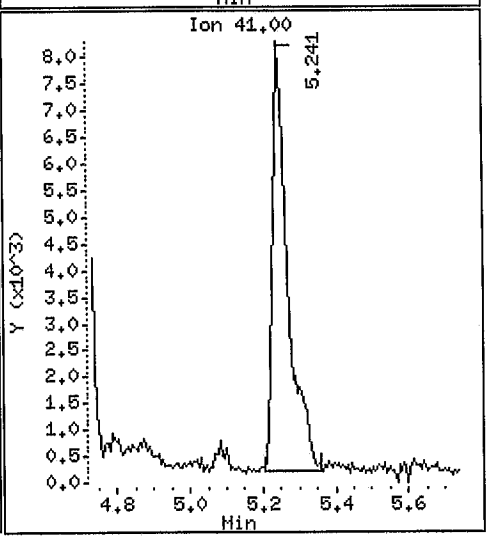


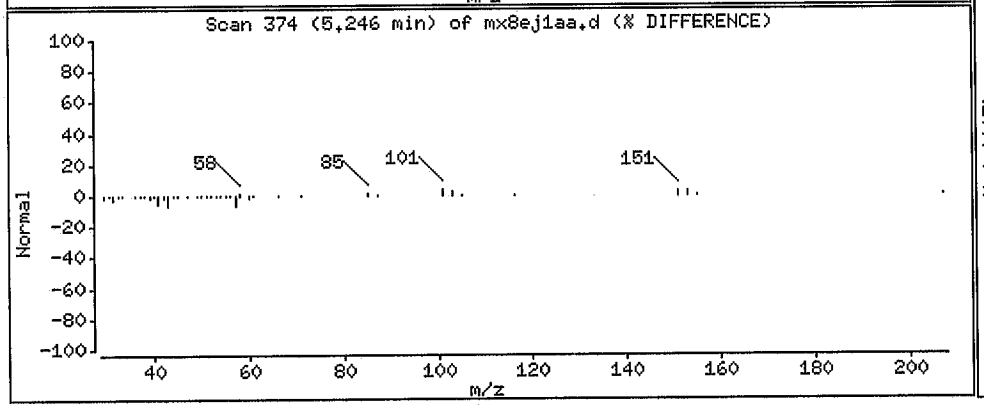












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

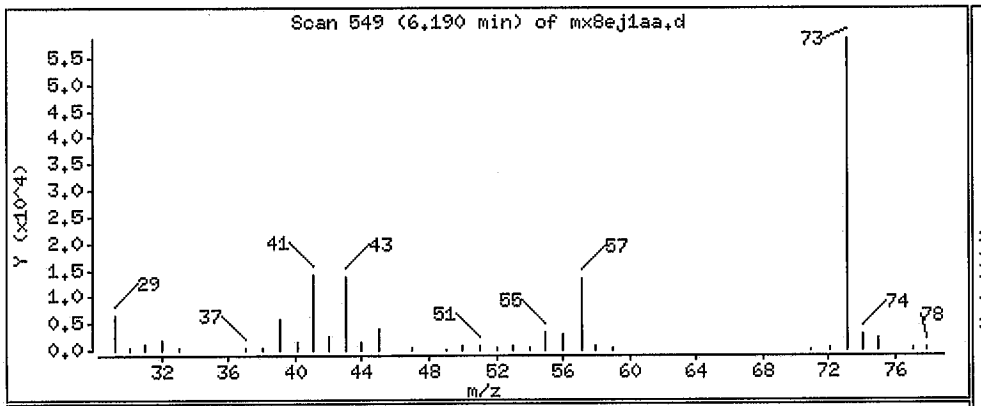
Client ID: 828076-SS-003B2-02 Instrument: mg.i

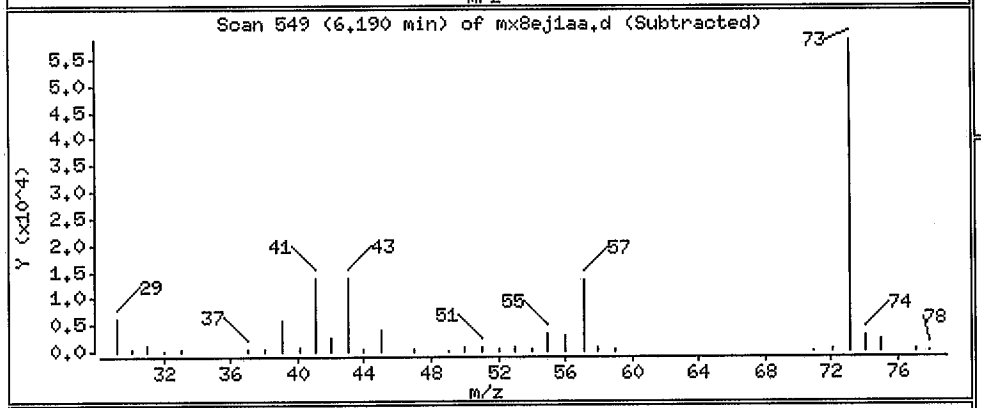
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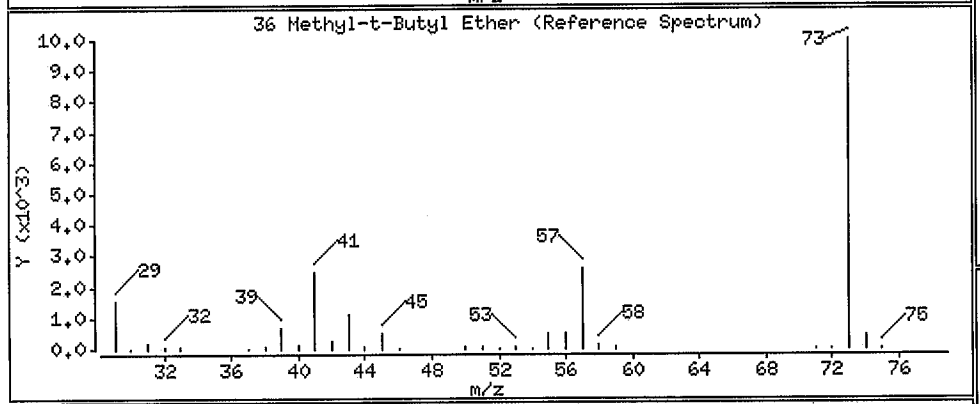
Purge Volume: 500.0 Operator: 7126

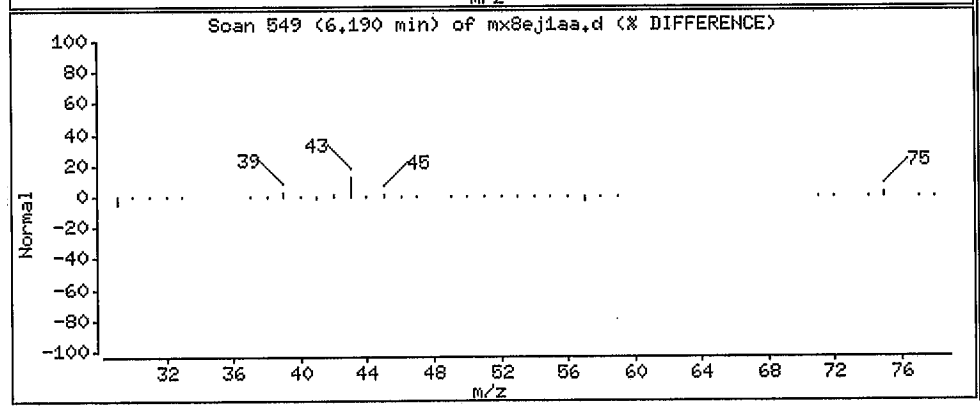
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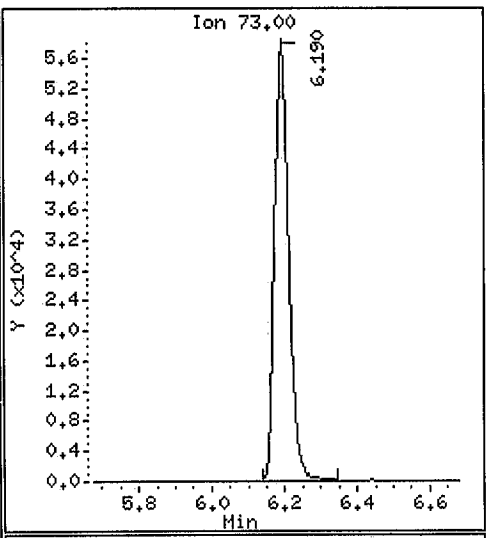
36 Methyl-t-Butyl Ether Concentration: 2.697 ppb(v/v)

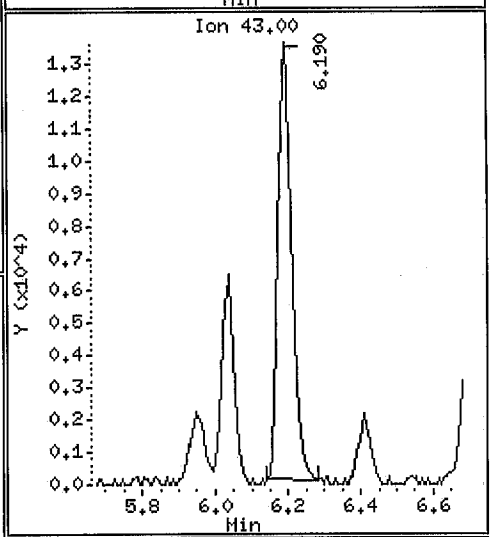


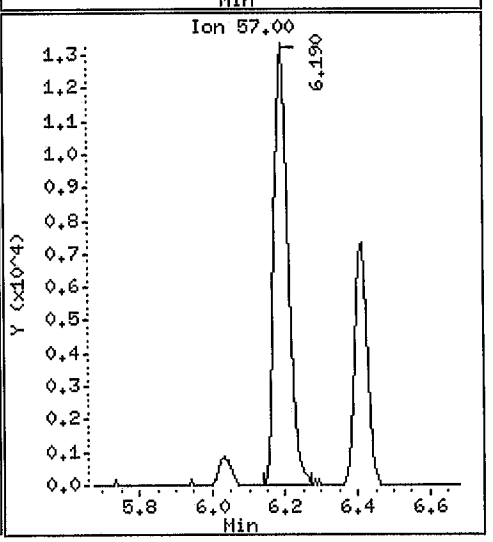












Data File: /var/chem/gcms/mg.i/C030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

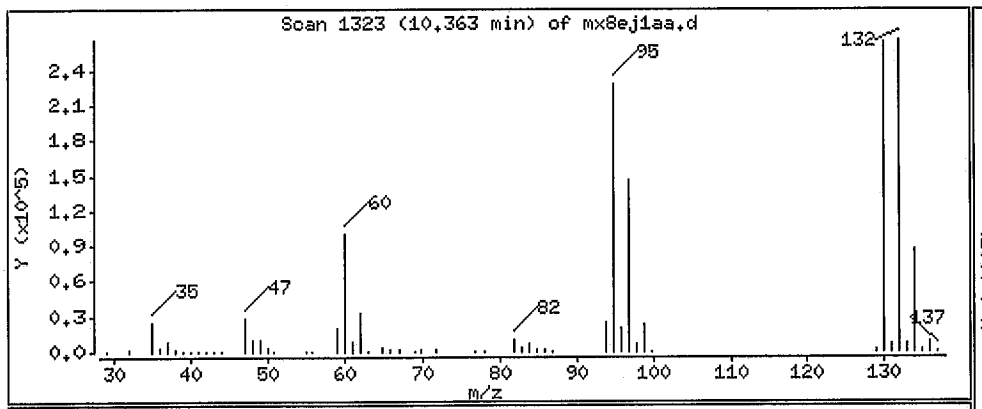
Client ID: 828076-SS-003B2-02 Instrument: mg.i

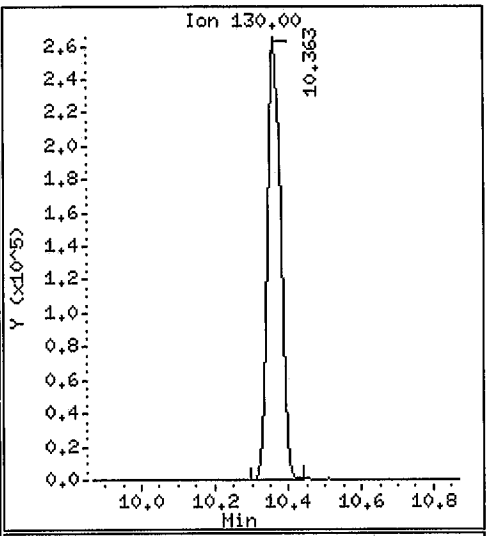
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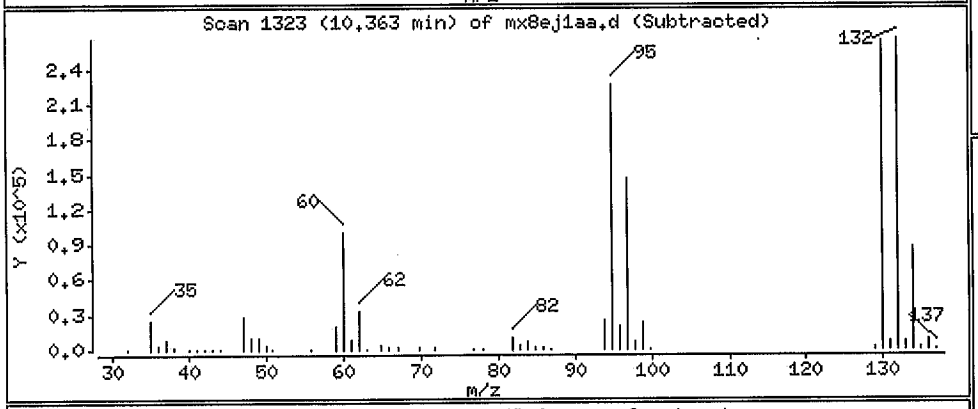
Purge Volume: 500.0 Operator: 7126

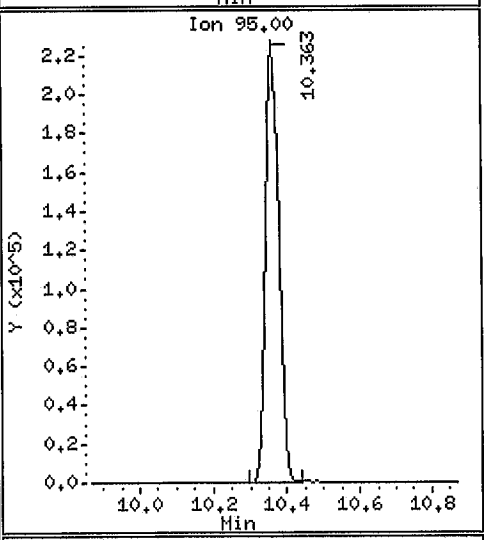
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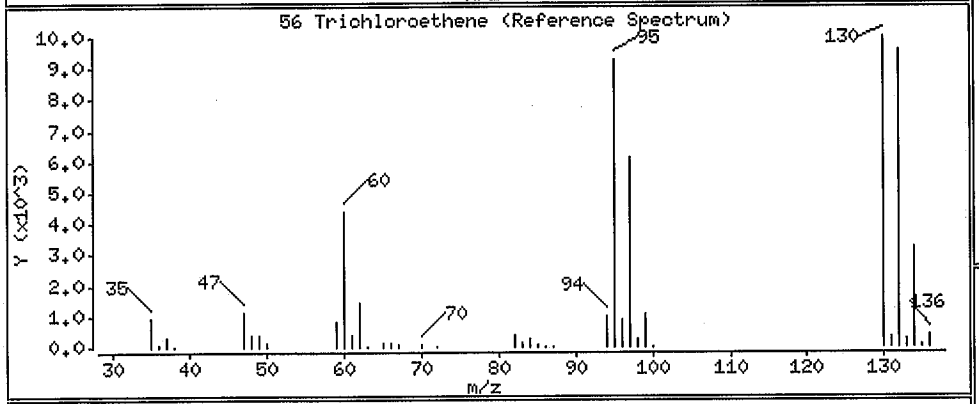
56 Trichloroethene Concentration: 15.90 ppb(v/v)

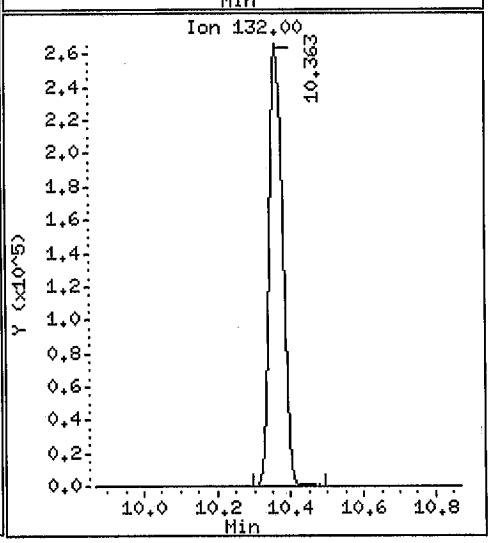


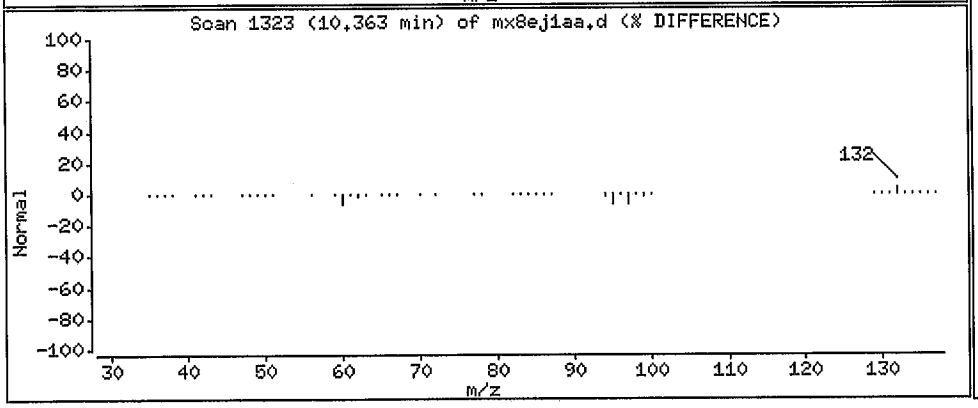












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

Client ID: 828076-SS-003B2-02

Instrument: mg.i

Sample Info: ,5,0,,,

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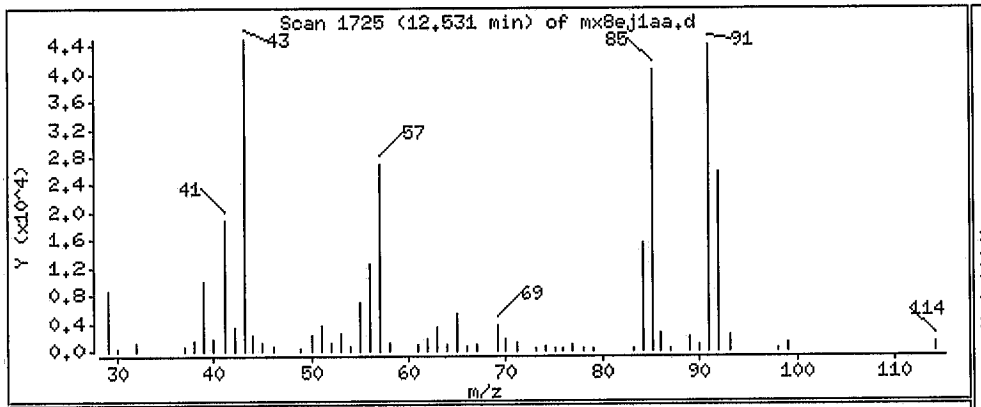
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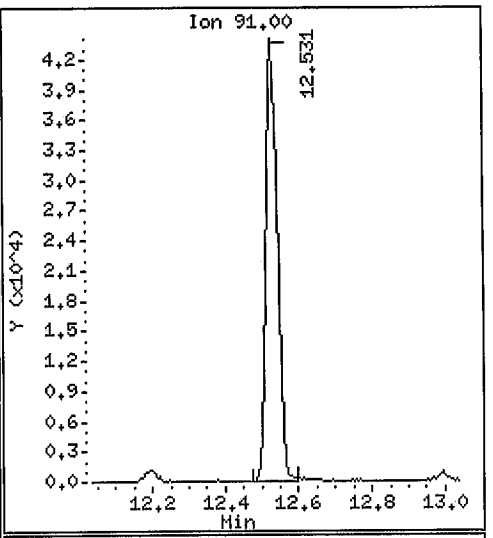
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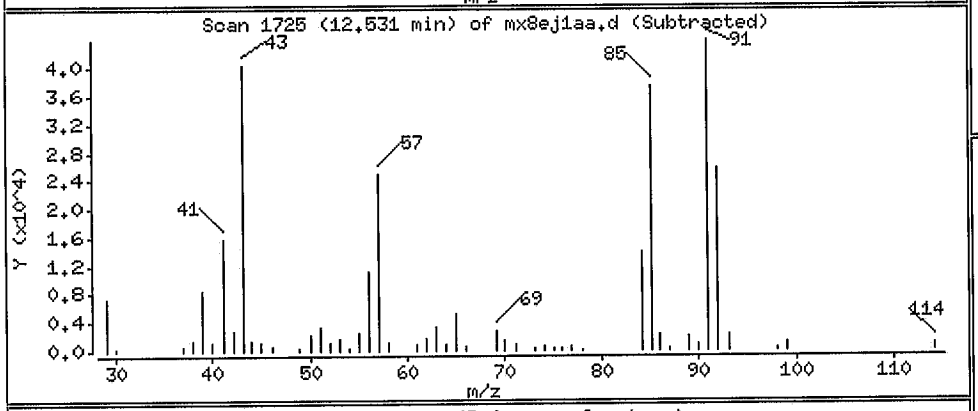
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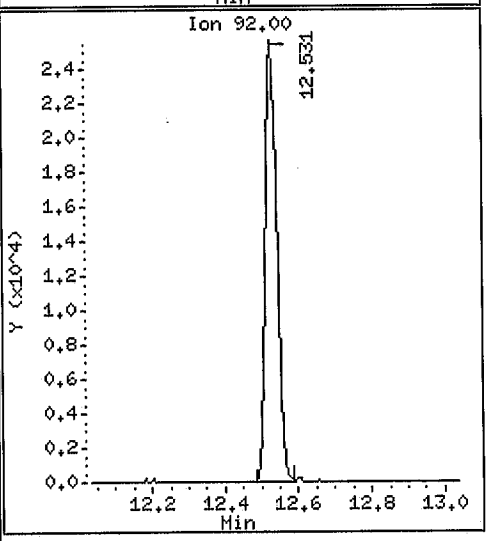
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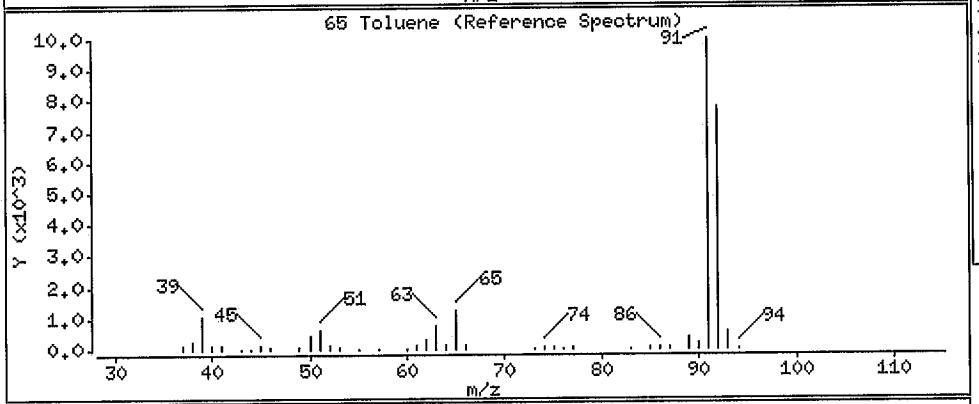
Concentration: 1.085 ppb(v/v)

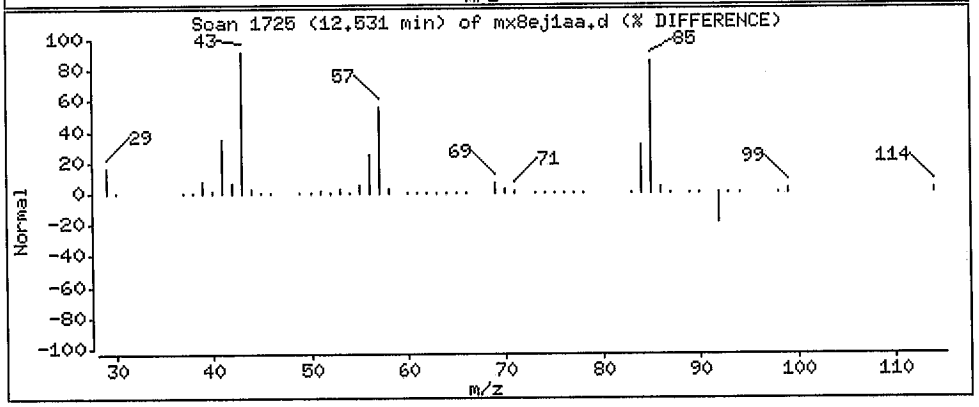












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

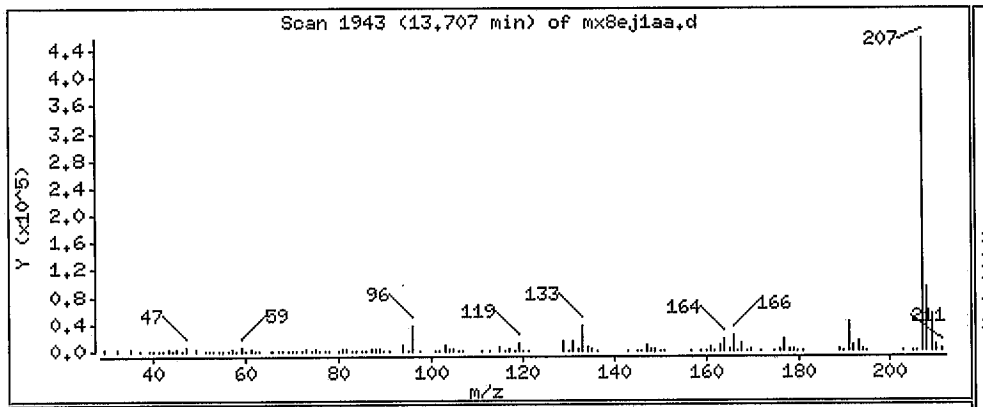
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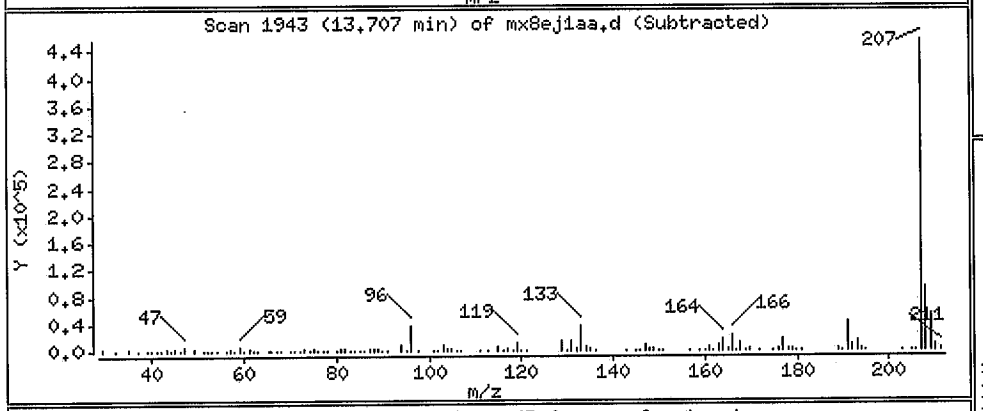
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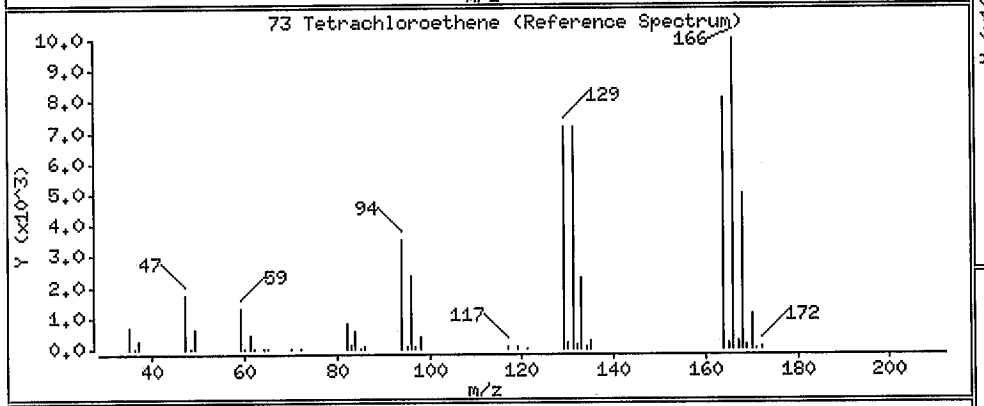
Purge Volume: 500.0 Operator: 7126

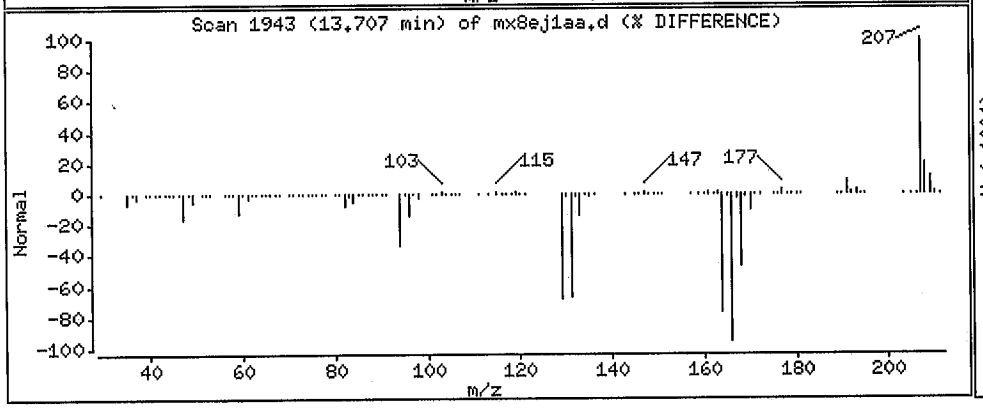
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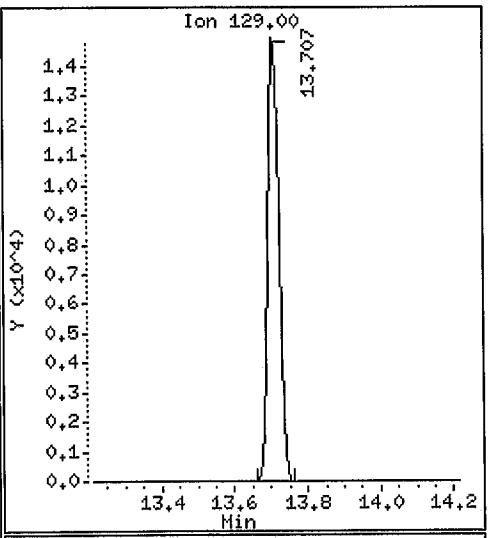
73 Tetrachloroethene Concentration: 0.8925 ppb(v/v)

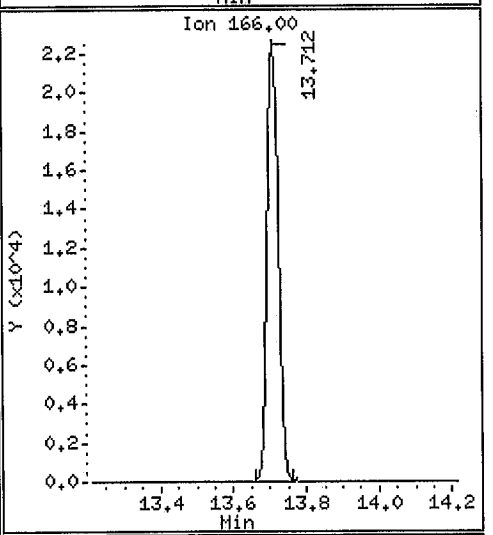


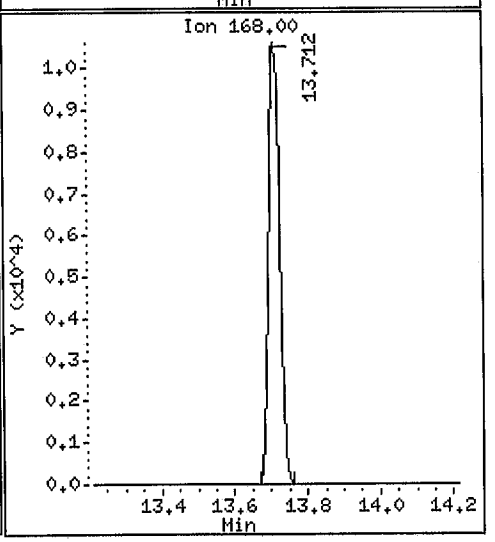












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

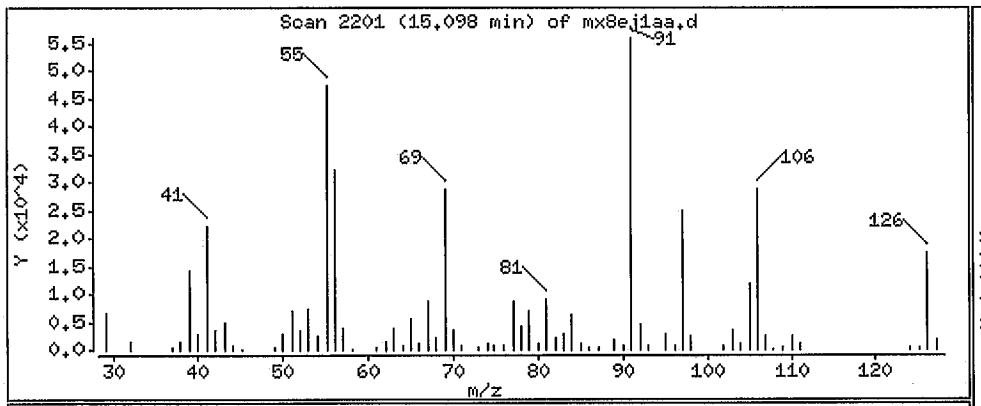
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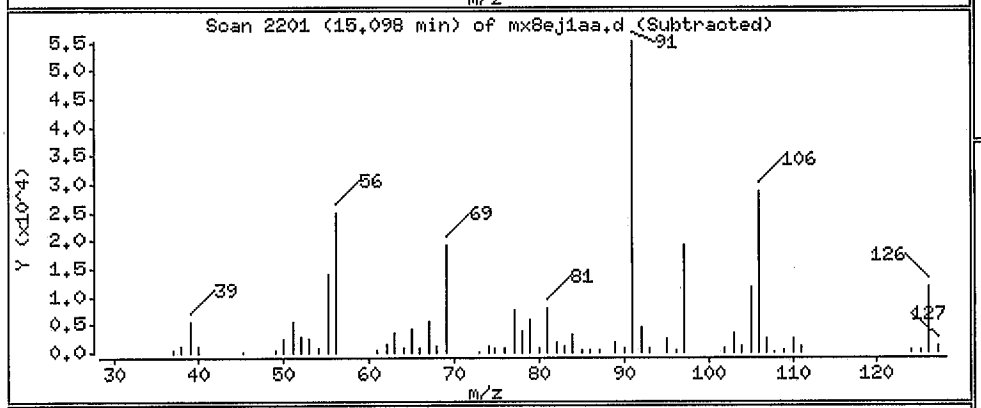
Sample Info: ,5,0,,,

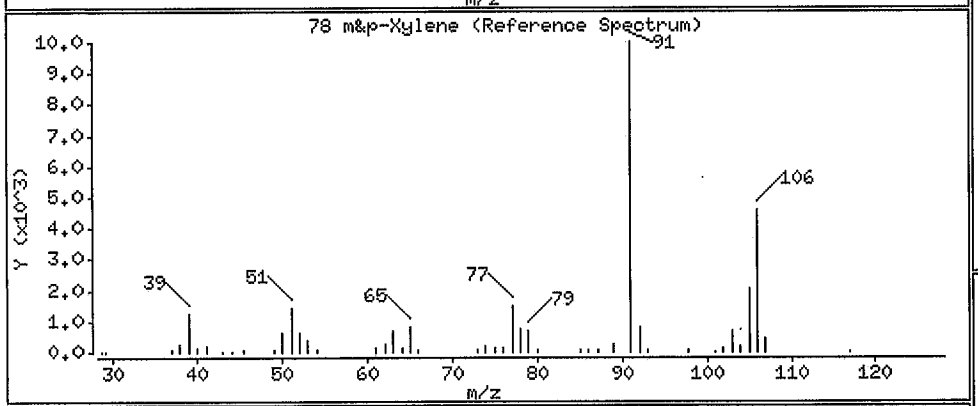
Purge Volume: 500.0 Operator: 7126

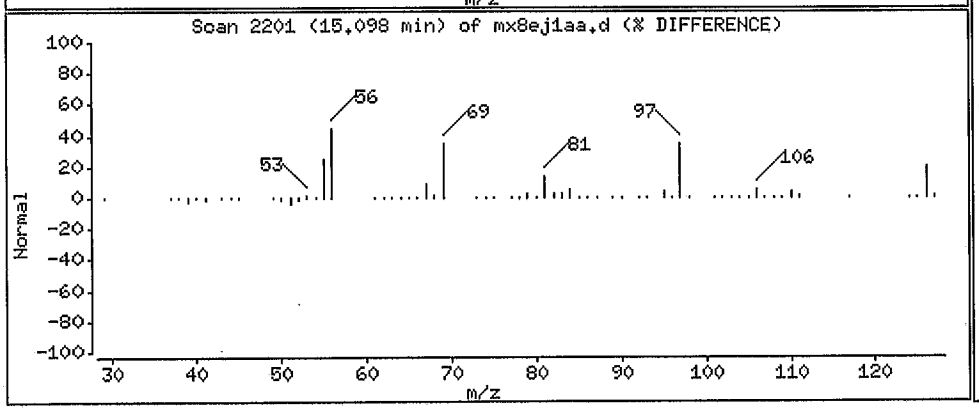
Column phase: Rtx-5 Column diameter: 0.32

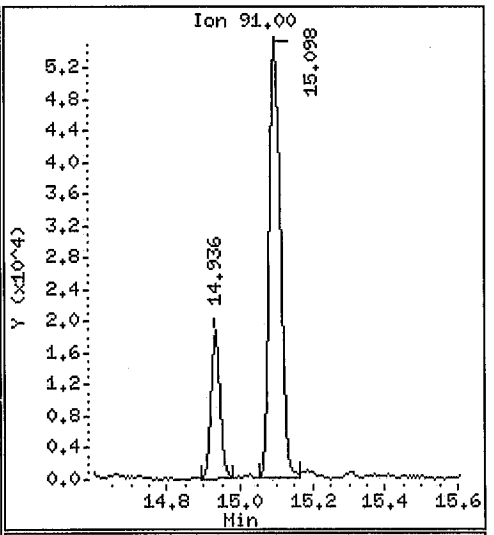
78 m&p-Xylene Concentration: 1.406 ppb(v/v)

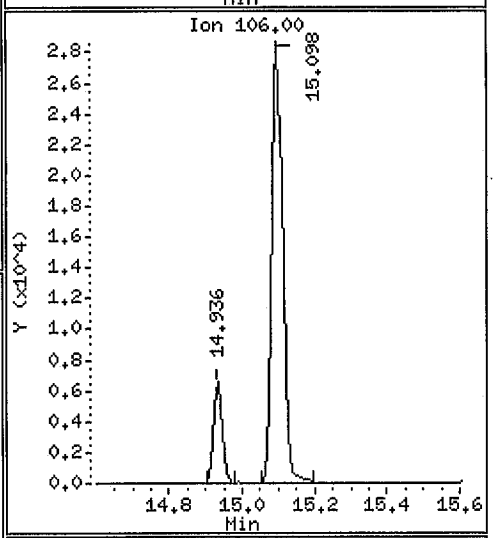


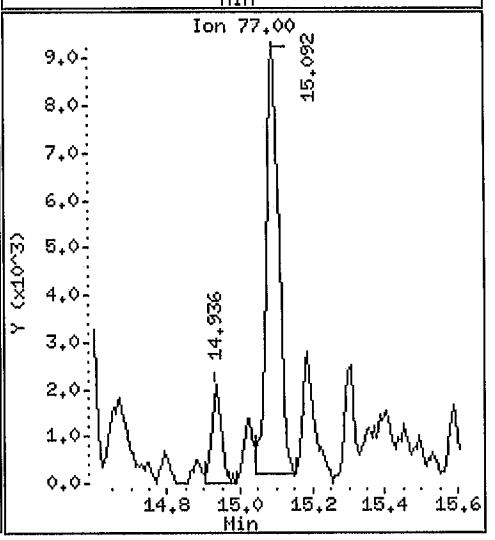












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

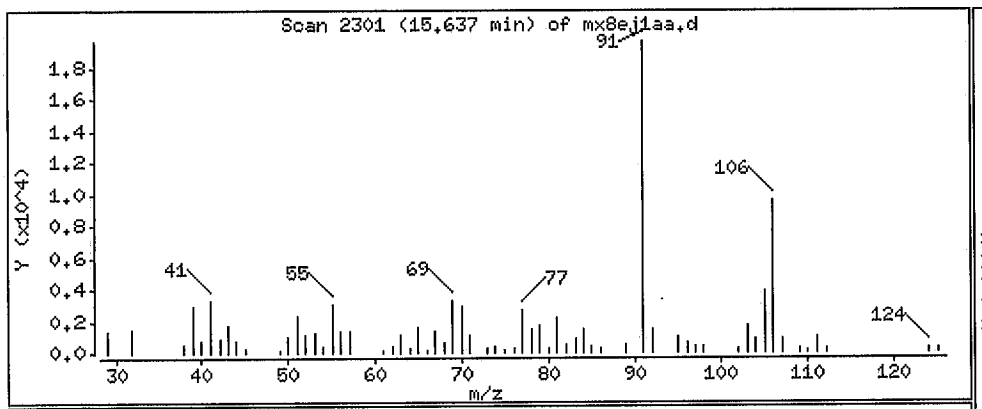
Client ID: 828076-SS-003B2-02 Instrument: mg.i

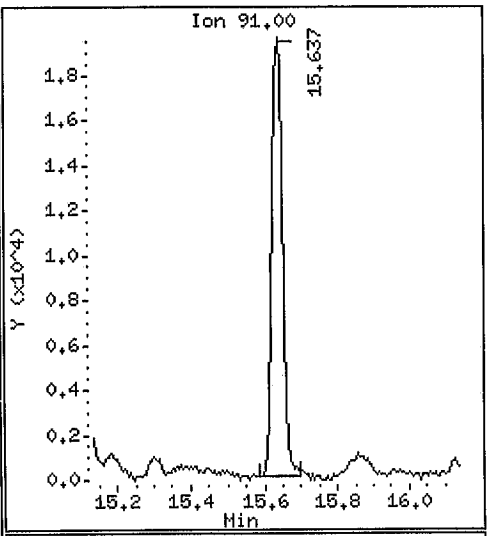
Sample Info: ,5,0,,,

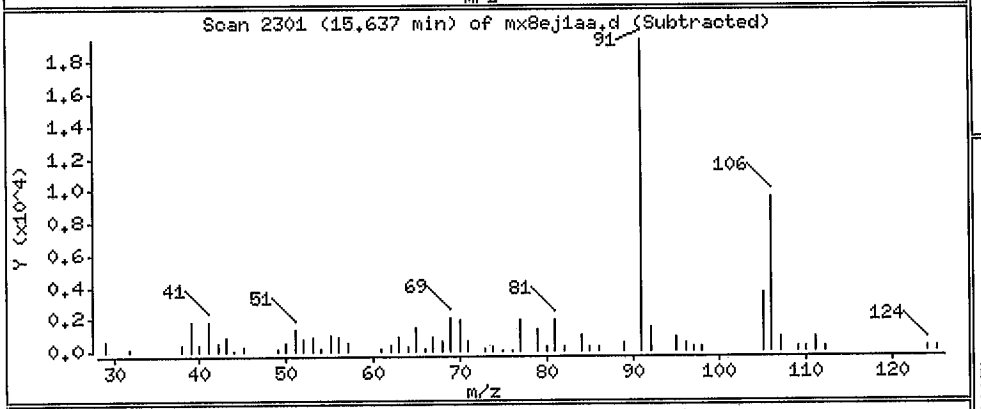
Purge Volume: 500.0 Operator: 7126

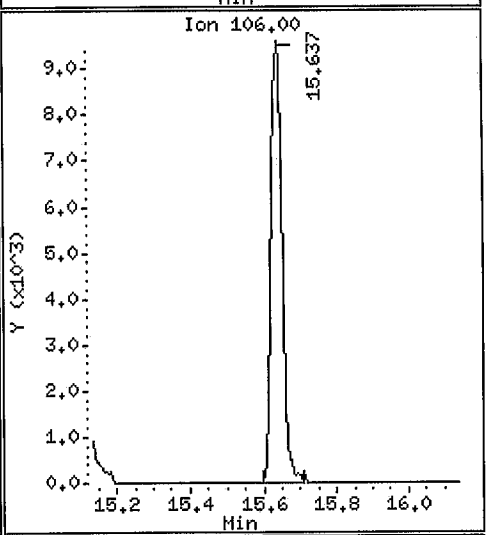
Column phase: Rtx-5 Column diameter: 0.32

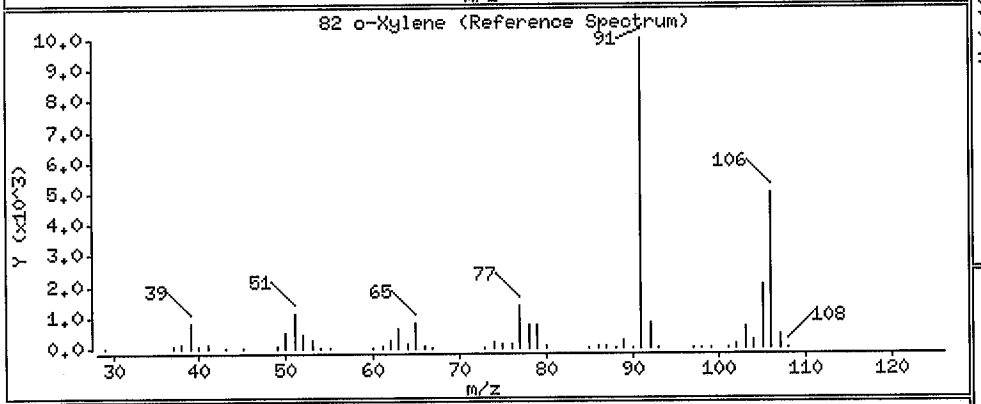
82 o-Xylene Concentration: 0.4550 ppb(v/v)

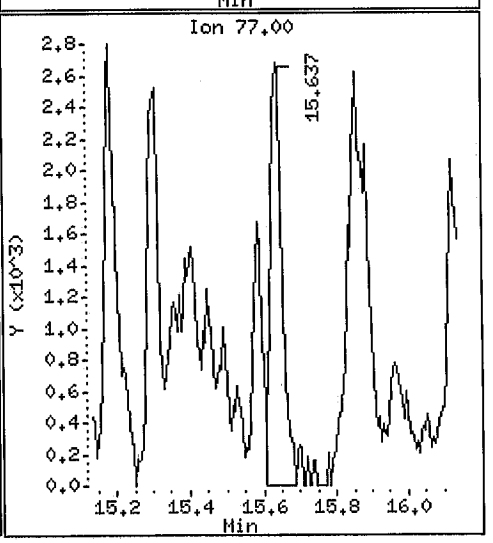


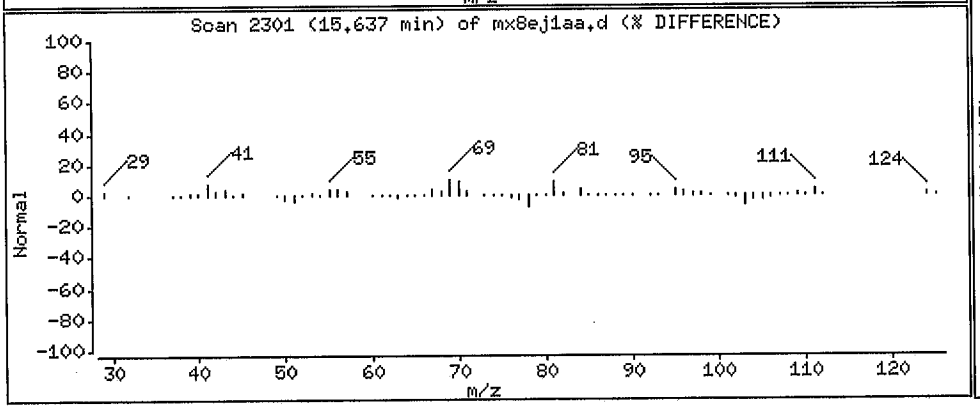












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ej1aa.d

Date : 01-MAR-2013 15:22

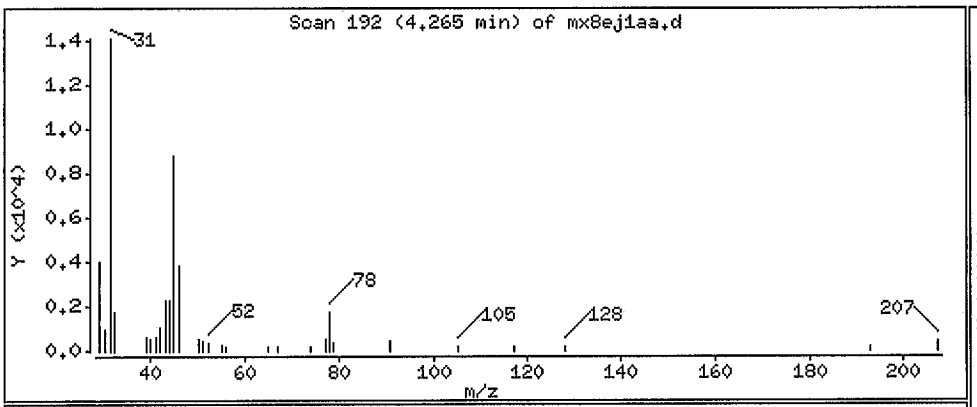
Client ID: 828076-SS-003B2-02 Instrument: mg.i

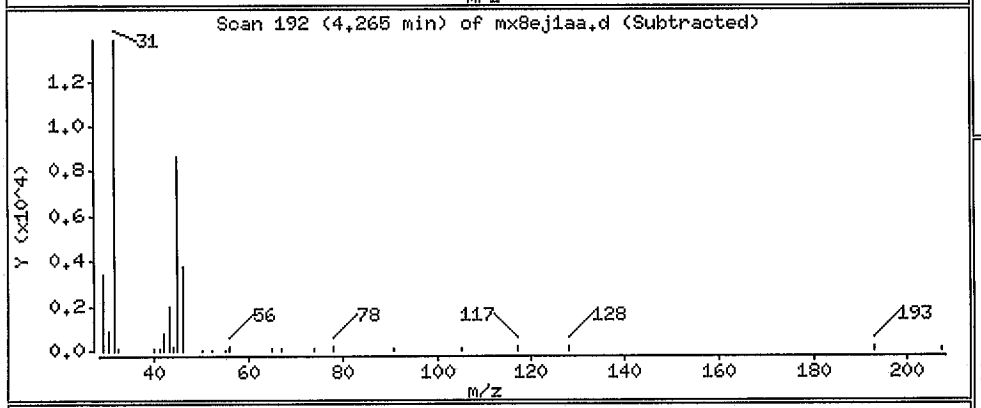
Sample Info: ,5,0,,,

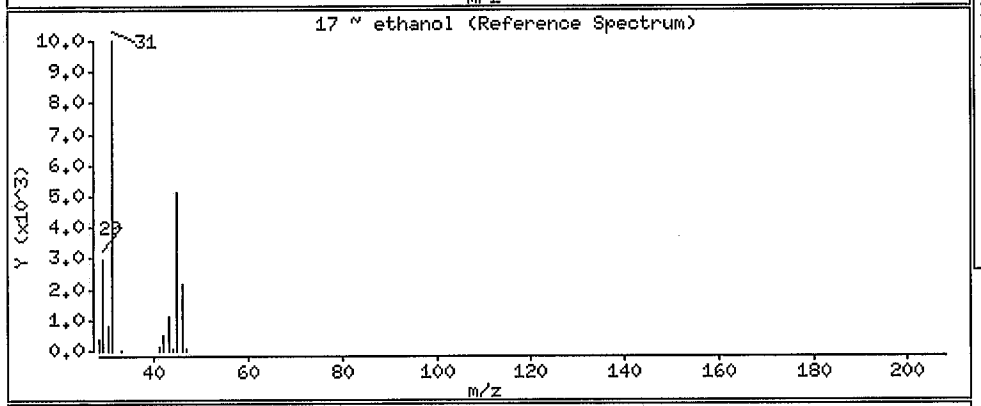
Purge Volume: 500.0 Operator: 7126

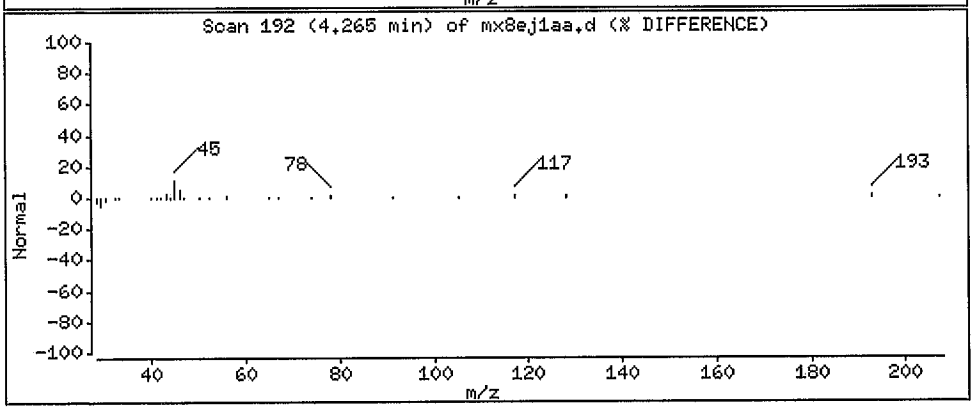
Column phase: Rtx-5 Column diameter: 0.32

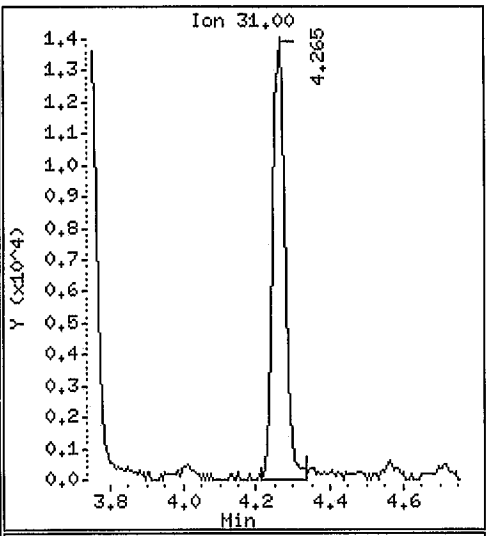
17 ~ ethanol Concentration: 4.756 ppb(v/v)

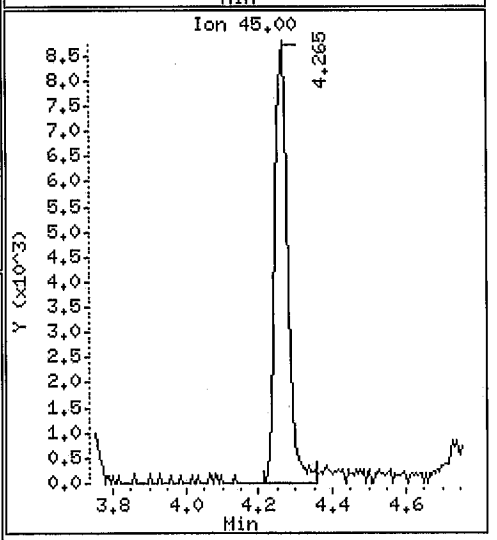












New York State D.E.C.

Client Sample ID: 828076-SS-003B2-03

GC/MS Volatiles

Lot-Sample # H3B280421 - 009 **Work Order #** MX8EL1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.41**	**0.40**	**2.0**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	ND	0.40	ND	1.1
Chloroform	ND	0.40	ND	2.0
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	ND	0.40	ND	2.0
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	**0.42**	**0.40**	**1.8**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B2-03

GC/MS Volatiles

Lot-Sample # H3B280421 - 009 **Work Order #** MX8EL1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**4.0**	**0.80**	**15**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.49**	**0.40**	**2.1**	**1.7**
tert-Butyl alcohol	**3.0**	**1.6**	**9.0**	**4.9**
Tetrachloroethene	**1.2**	**0.40**	**7.9**	**2.7**
Toluene	**1.3**	**0.40**	**4.7**	**1.5**
m-Xylene & p-Xylene	**1.9**	**0.40**	**8.2**	**1.7**
o-Xylene	**0.62**	**0.40**	**2.7**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**21**	**0.20**	**110**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	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/mg.i/G030113A.b/mx8el1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d
Lab Smp Id: MX8EL1AA Client Smp ID: 828076-SS-003B2-03
Inj Date : 01-MAR-2013 16:11
Operator : 7126 Inst ID: mg.i
Smp Info : ,5,0,,,
Misc Info : G030113A,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 02-Mar-2013 12:55 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 3
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	5.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.575	7.581	(1.000)	431957	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.646	9.652	(1.000)	2036595	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1715371	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.279	16.284	(1.116)	1133466	3.72672	3.727
	28 tert-butanol	59	5.240	5.235	(0.692)	110718	0.59201	2.960
	36 Methyl-t-Butyl Ether	73	6.184	6.179	(0.816)	244580	0.80490	4.024
	56 Trichloroethene	130	10.363	10.369	(1.074)	912085	4.26804	21.34
	65 Toluene	91	12.531	12.536	(0.859)	113895	0.25063	1.253
	73 Tetrachloroethene	129	13.712	13.712	(0.940)	41612	0.23347	1.167
	76 Ethylbenzene	91	14.936	14.936	(1.024)	46828	0.08347	0.4174
	78 m&p-Xylene	91	15.098	15.103	(1.035)	163644	0.37601	1.880
	81 Styrene	104	15.588	15.588	(1.068)	31009	0.09787	0.4893
	82 o-Xylene	91	15.637	15.637	(1.072)	55291	0.12490	0.6245
	94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	41618	0.08200	0.4100

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8el1aa.d
Lab Smp Id: MX8EL1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: 828076-SS-003B2-03
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	431957	12.15
2 1,4-Difluorobenze	1517394	902849	2131939	2036595	34.22
3 Chlorobenzene-d5	1361313	809981	1912645	1715371	26.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	-0.07
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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.

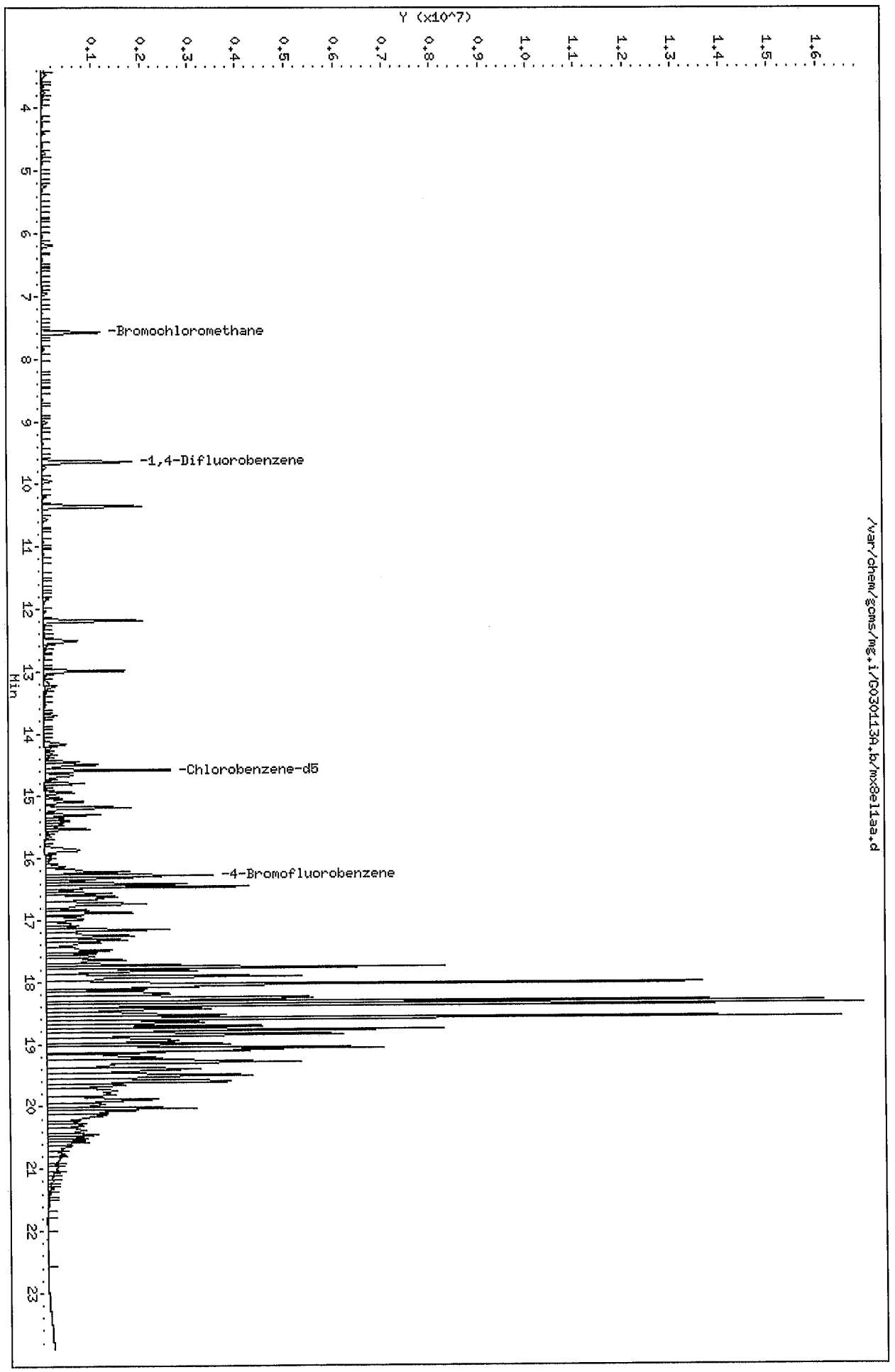
Data File: /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d
Report Date: 02-Mar-2013 12:55

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EL1AA Client Smp ID: 828076-SS-003B2-03
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.727	93.17	60-140


Data File: /var/chem/gcms/mg.i/G030113A.b/mx8e11aa.d
Date : 01-MAR-2013 16:11
Client ID: 828076-SS-003B2-03
Sample Info: ,5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G030113A.b/mx8e11aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d

Date : 01-MAR-2013 16:11

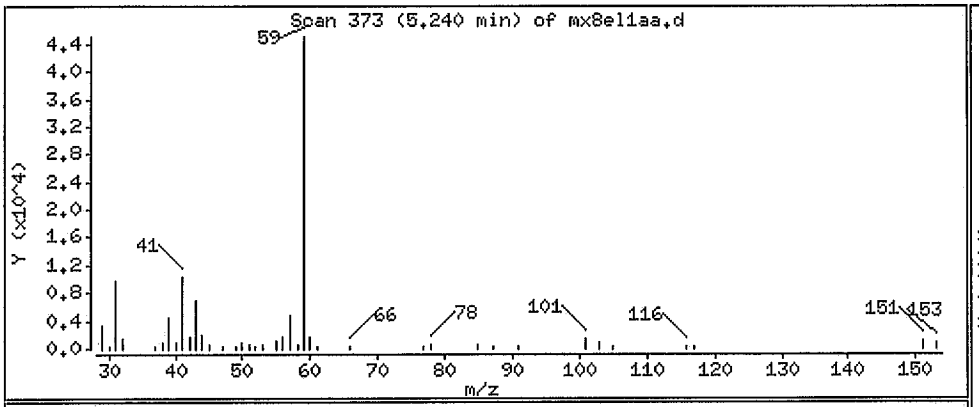
Client ID: 828076-SS-003B2-03 Instrument: mg.i

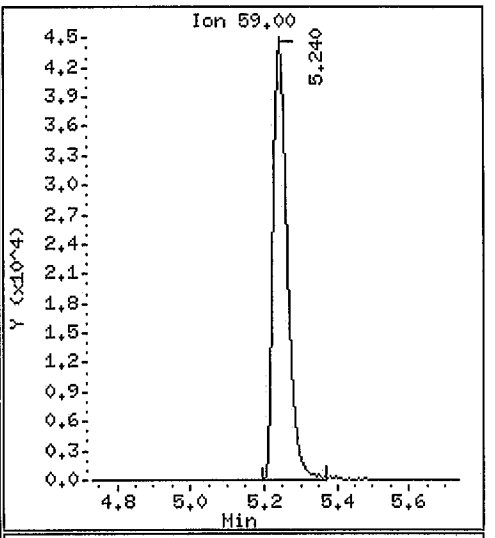
Sample Info: ,5,0,,,

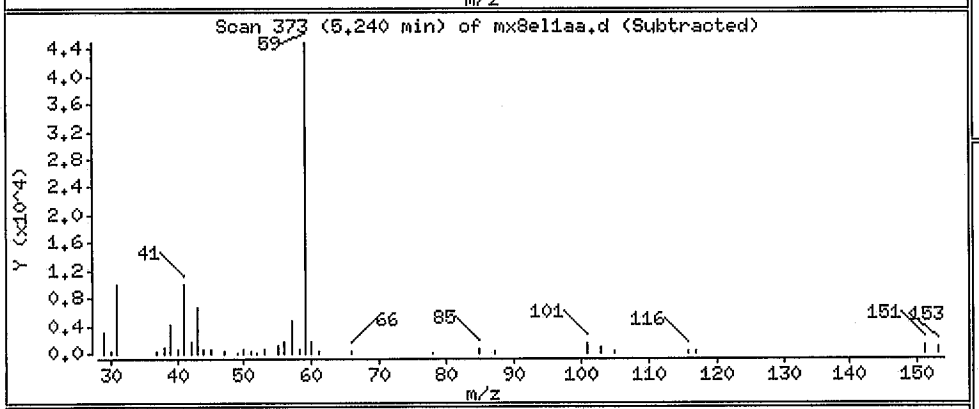
Purge Volume: 500.0 Operator: 7126

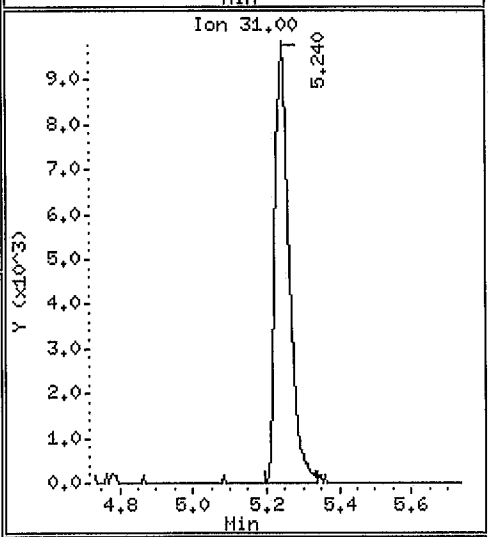
Column phase: Rtx-5 Column diameter: 0.32

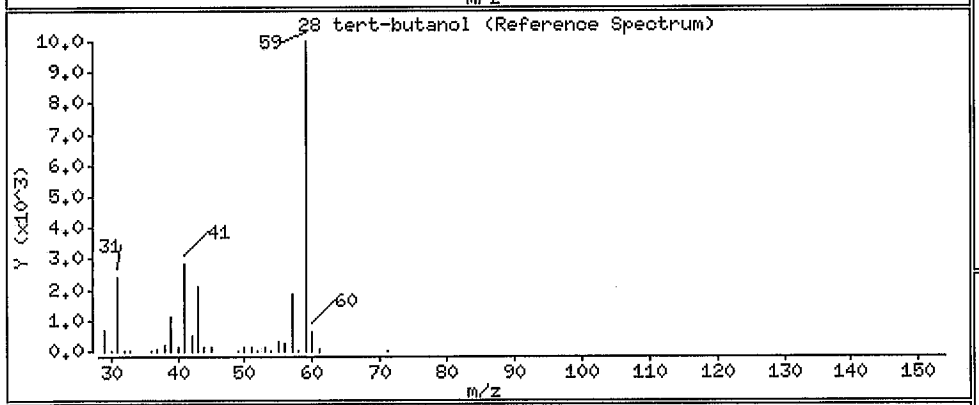
28 tert-butanol Concentration: 2.960 ppb(v/v)

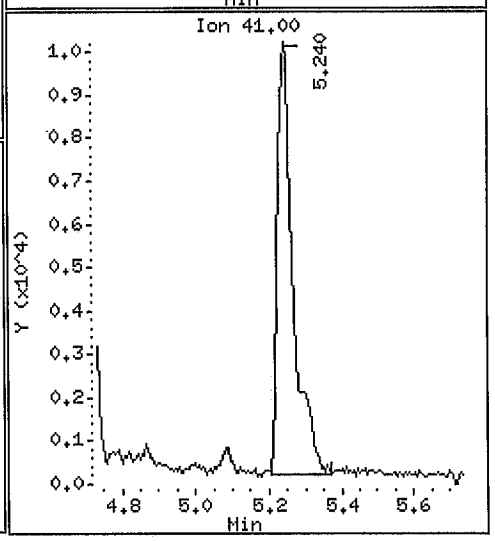


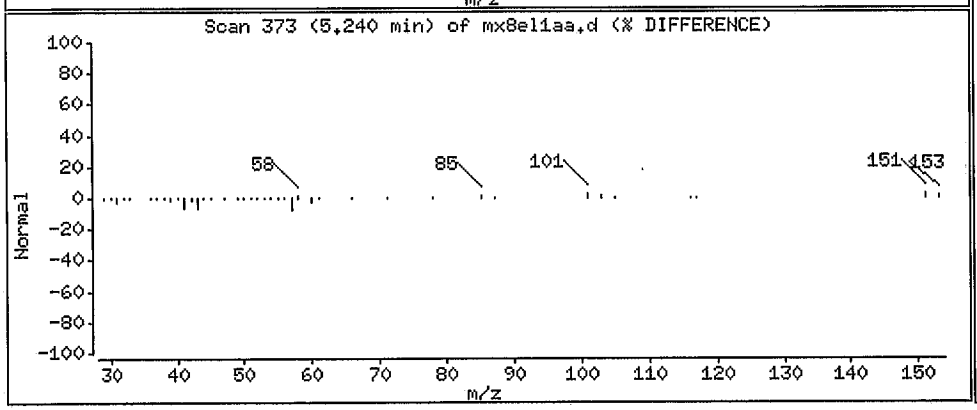












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d

Date : 01-MAR-2013 16:11

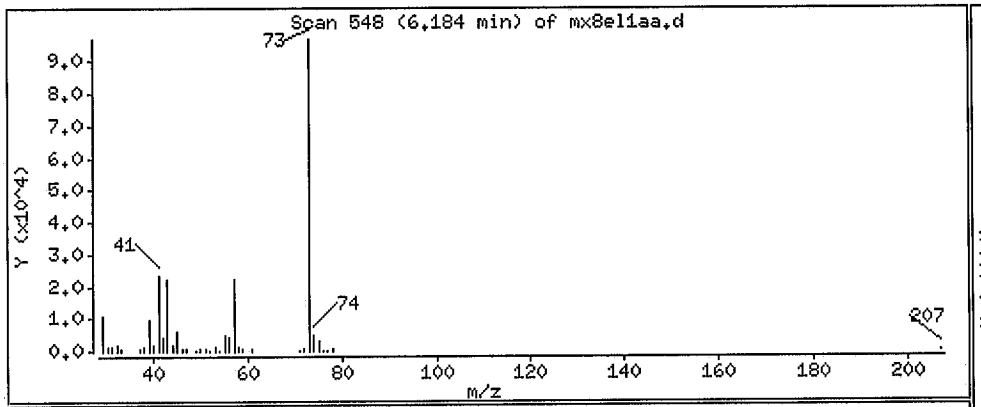
Client ID: 828076-SS-003B2-03 Instrument: mg.i

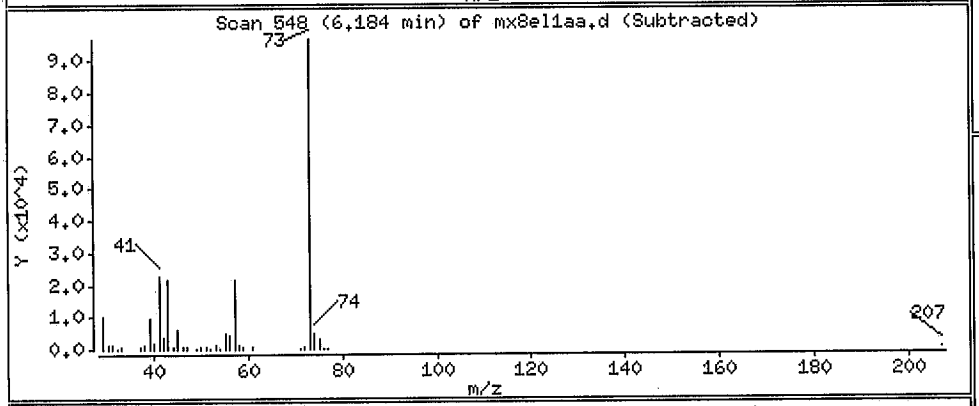
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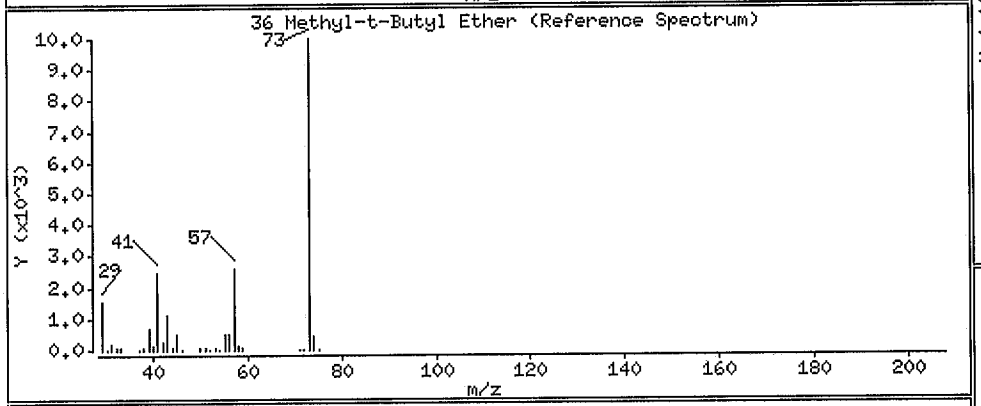
Purge Volume: 500.0 Operator: 7126

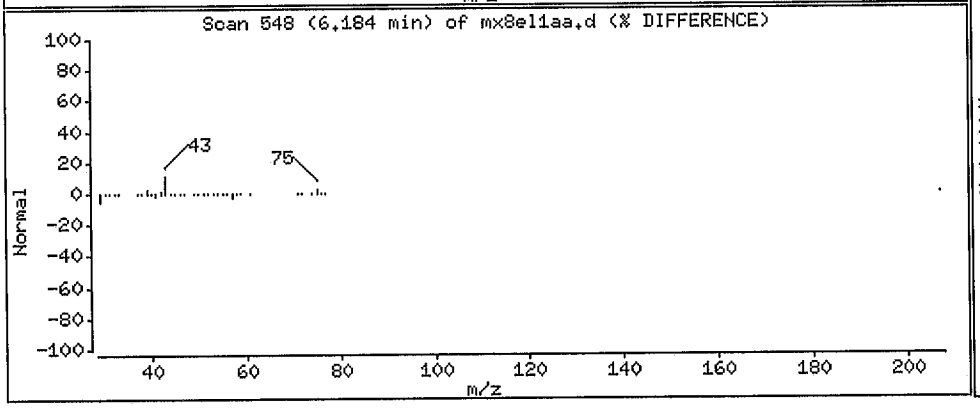
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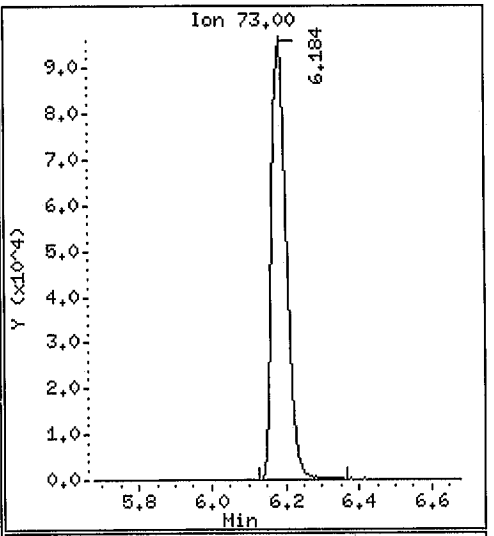
36 Methyl-t-Butyl Ether Concentration: 4.024 ppb(v/v)

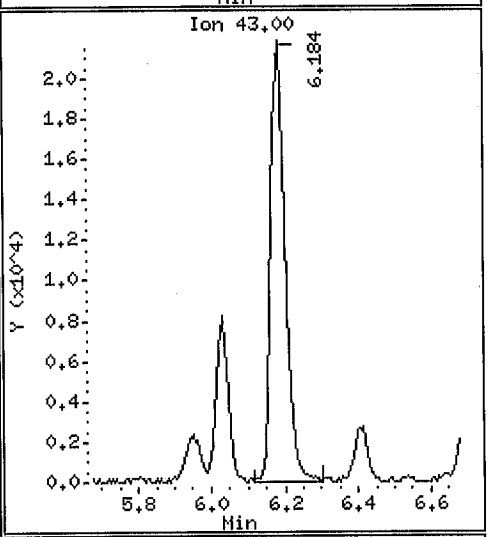


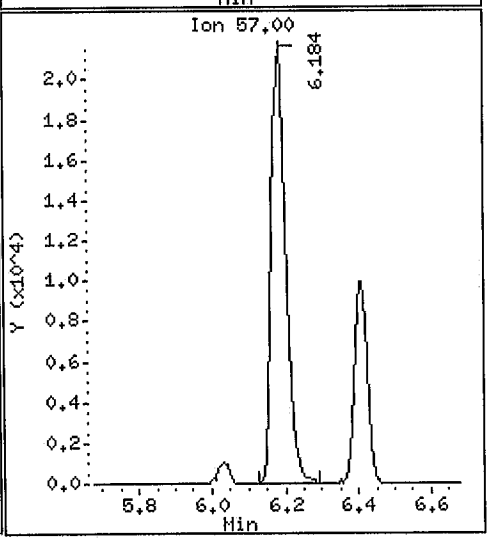












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8e11aa.d

Date : 01-MAR-2013 16:11

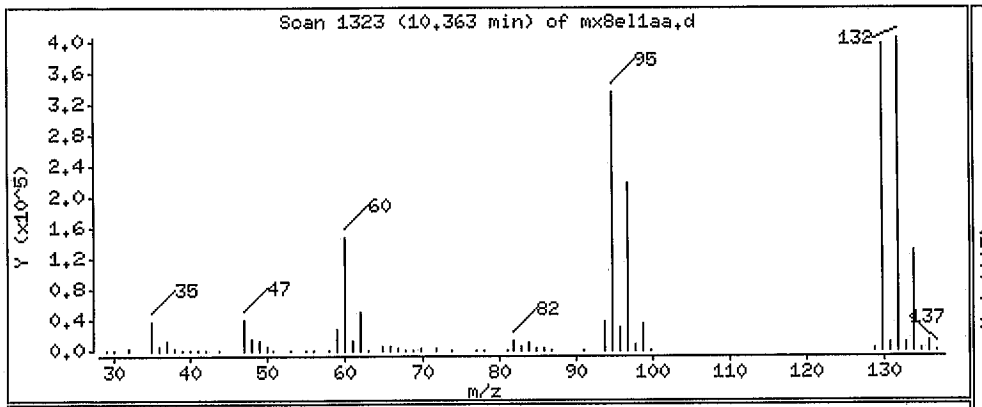
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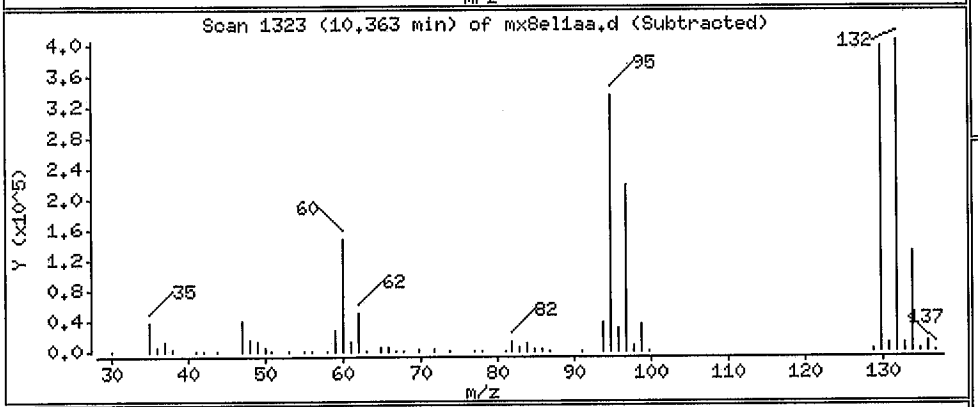
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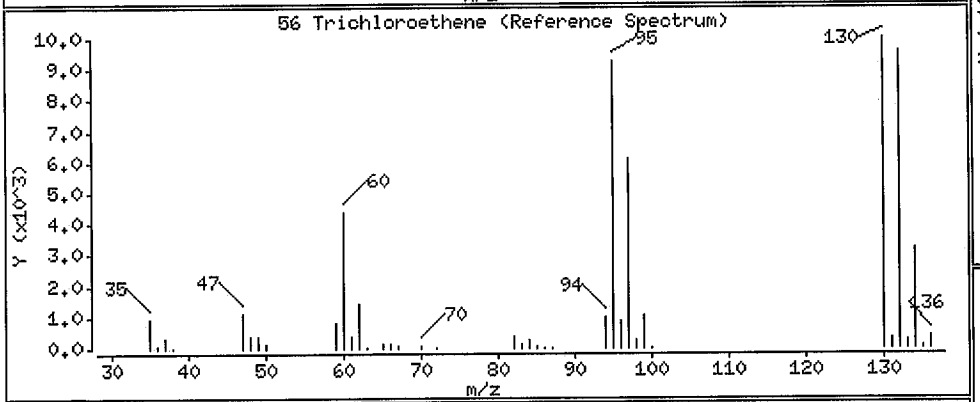
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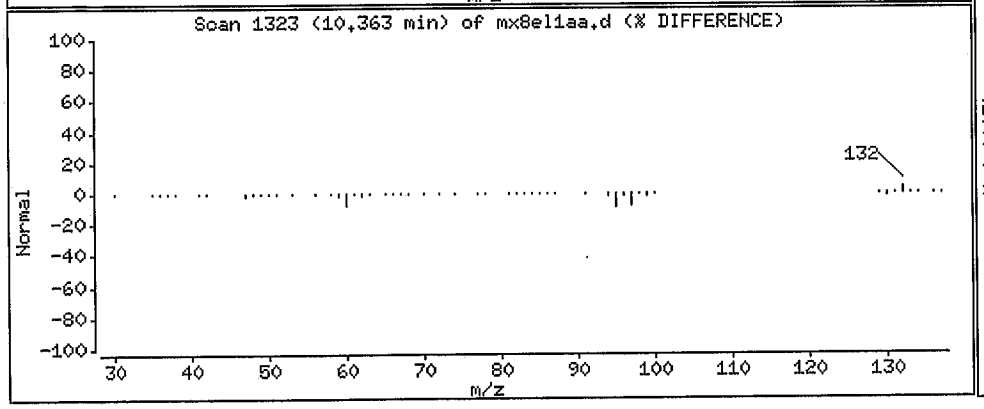
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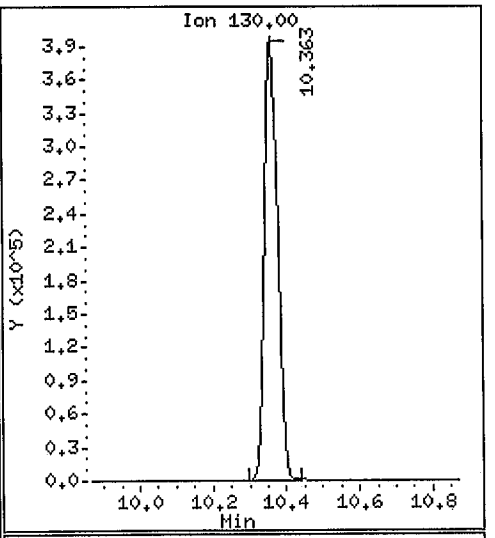
56 Trichloroethene Concentration: 21.34 ppb(v/v)

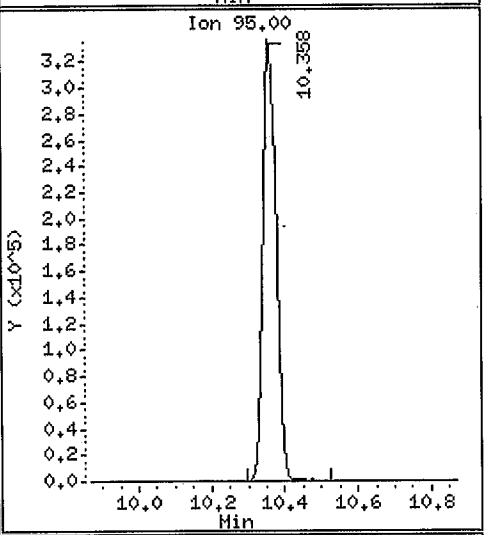


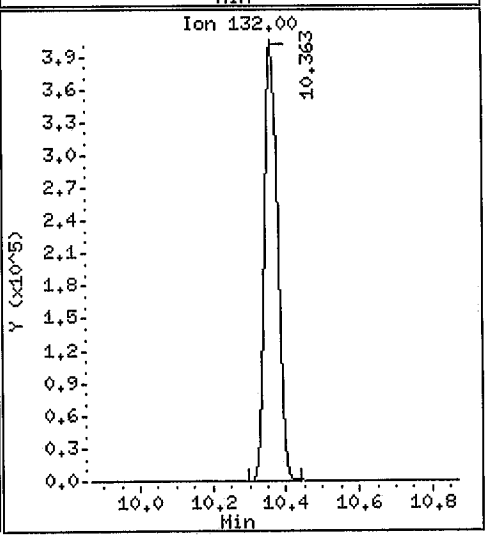












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d

Date : 01-MAR-2013 16:11

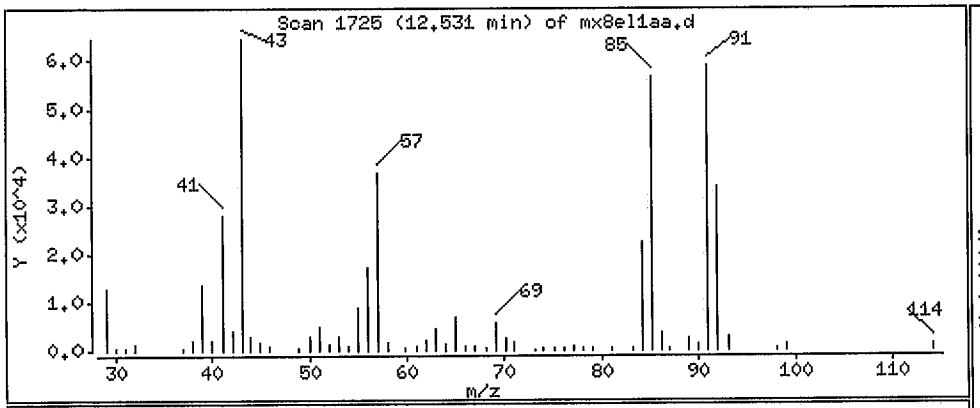
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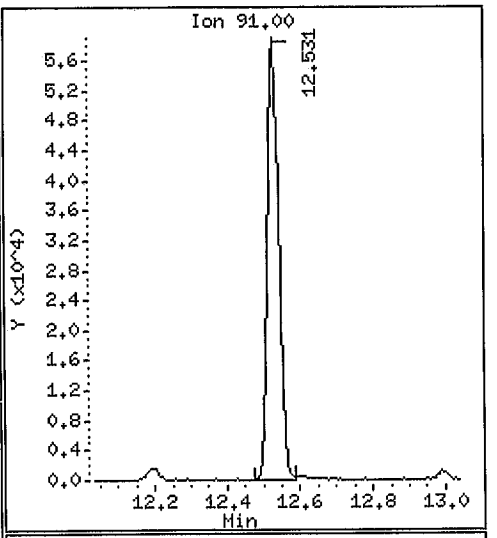
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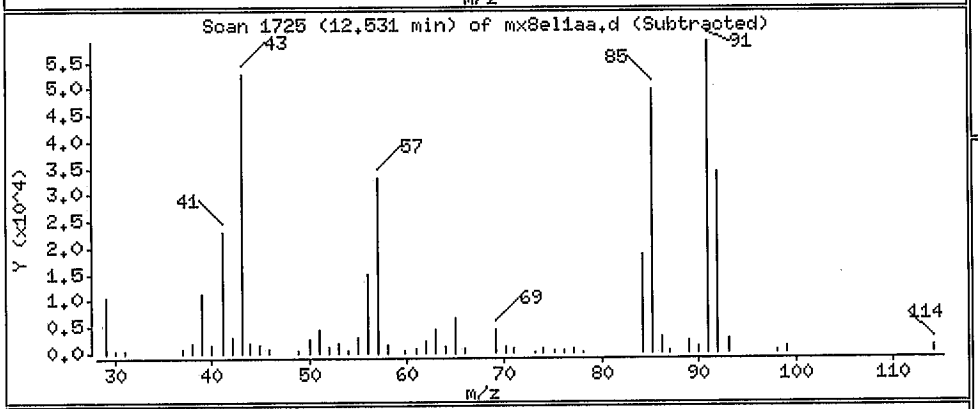
Purge Volume: 500.0 Operator: 7126

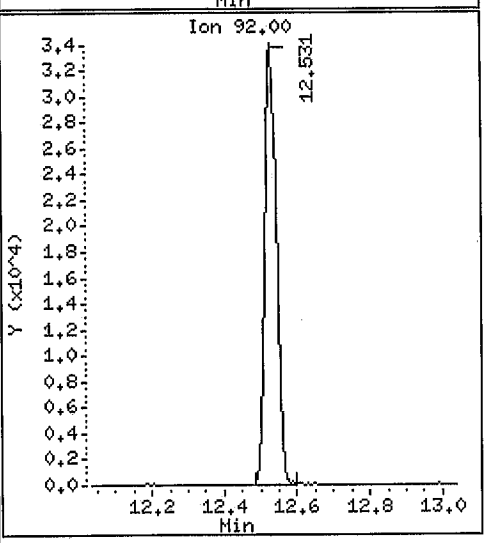
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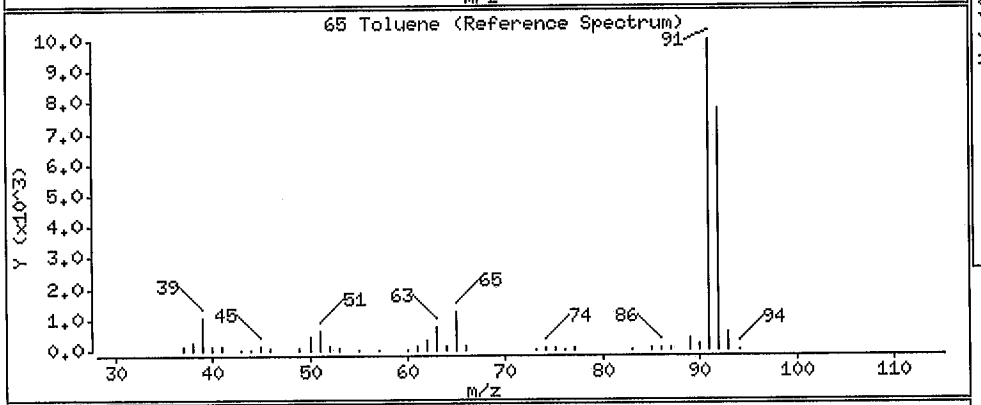
65 Toluene Concentration: 1.253 ppb(v/v)

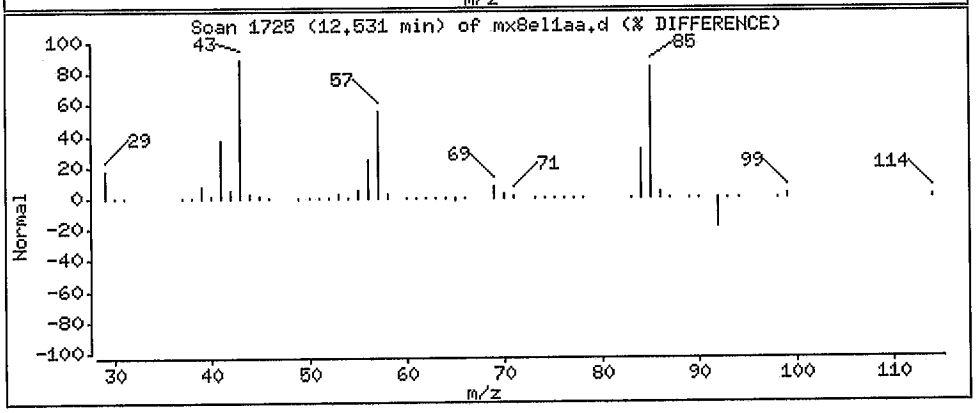












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8e11aa.d

Date : 01-MAR-2013 16:11

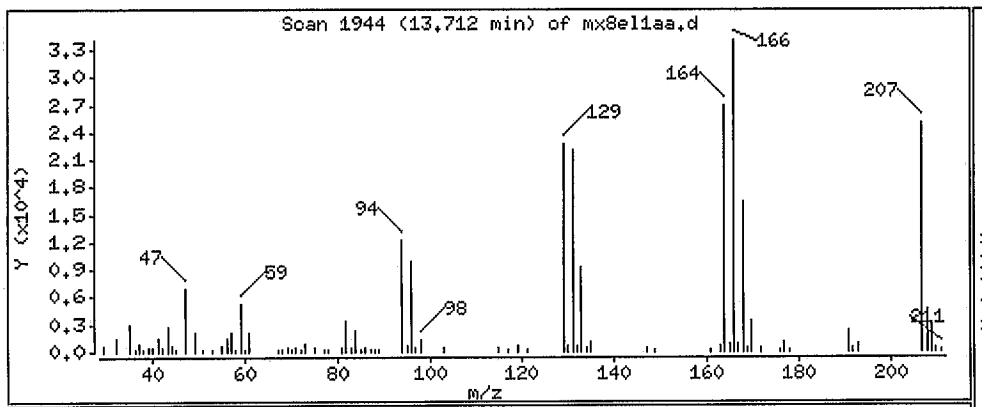
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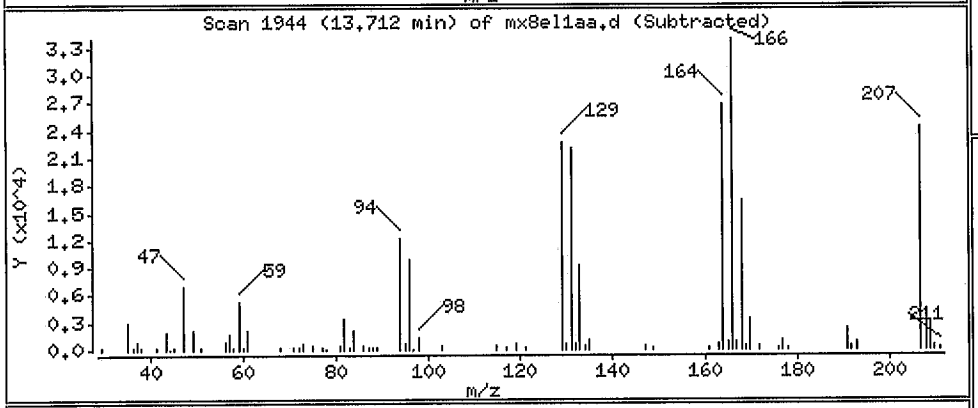
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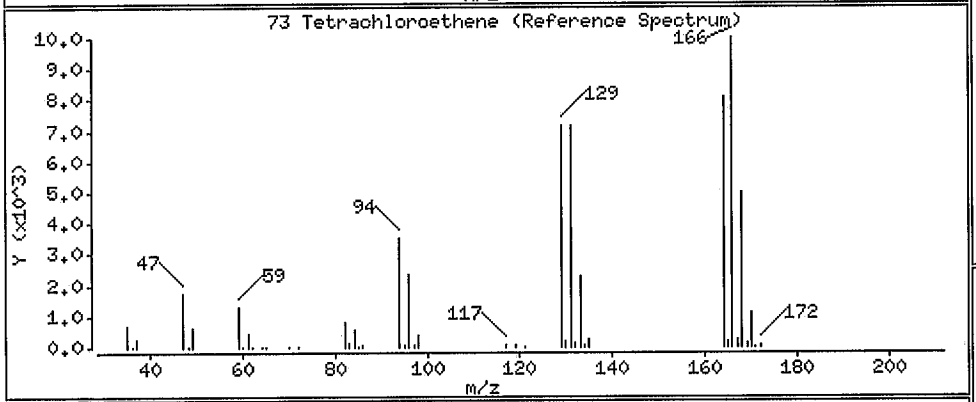
Purge Volume: 500.0 Operator: 7126

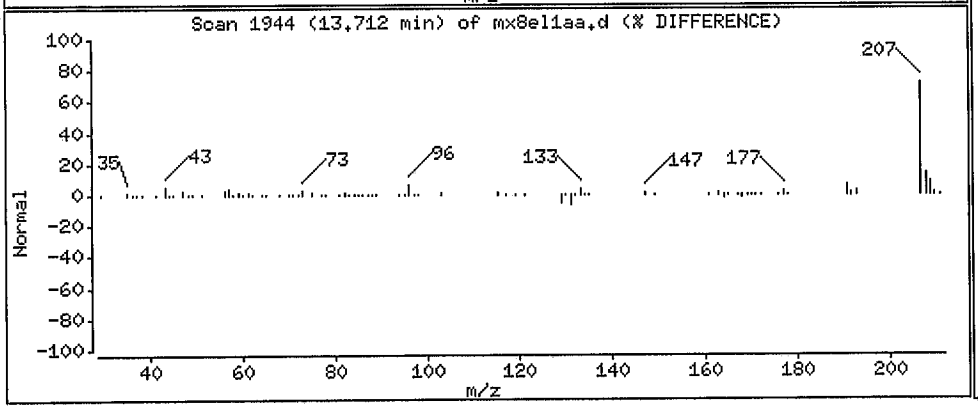
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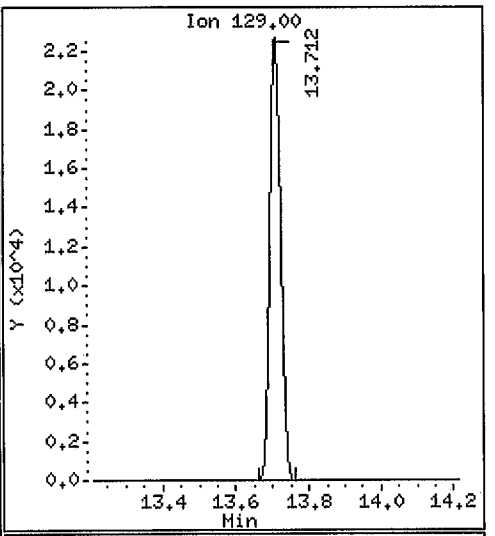
73 Tetrachloroethene Concentration: 1.167 ppb(v/v)

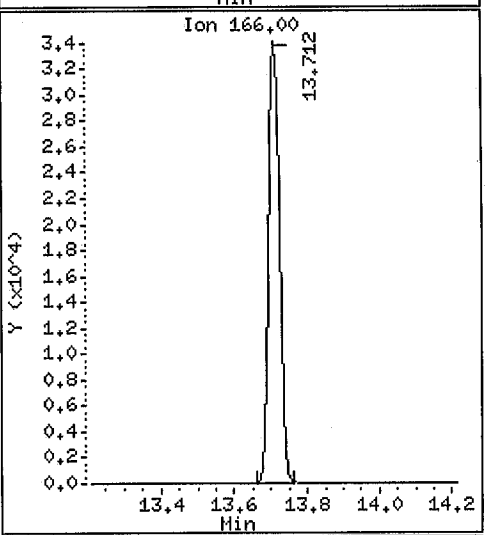


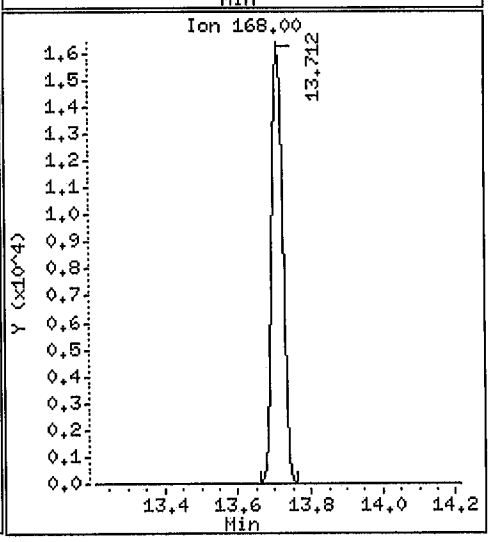












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d

Date : 01-MAR-2013 16:11

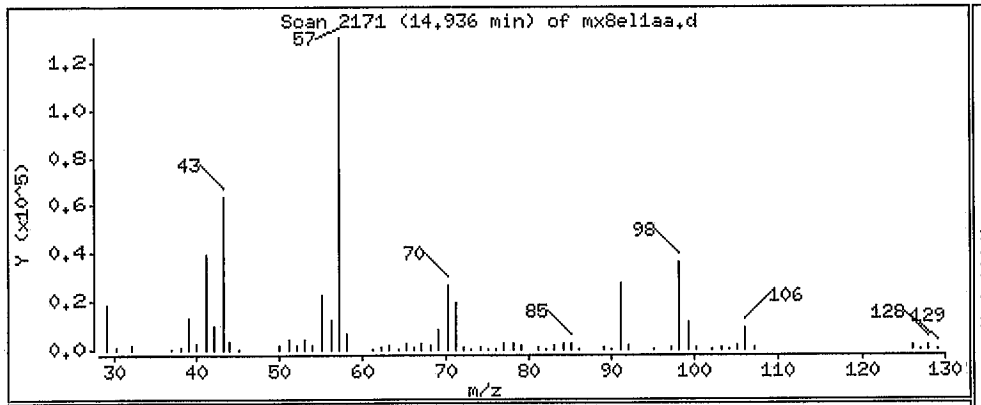
Client ID: 828076-SS-003B2-03 Instrument: mg.i

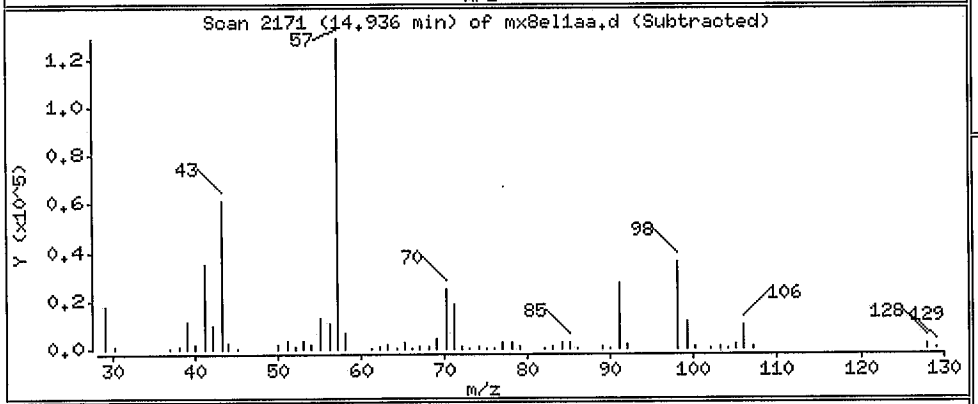
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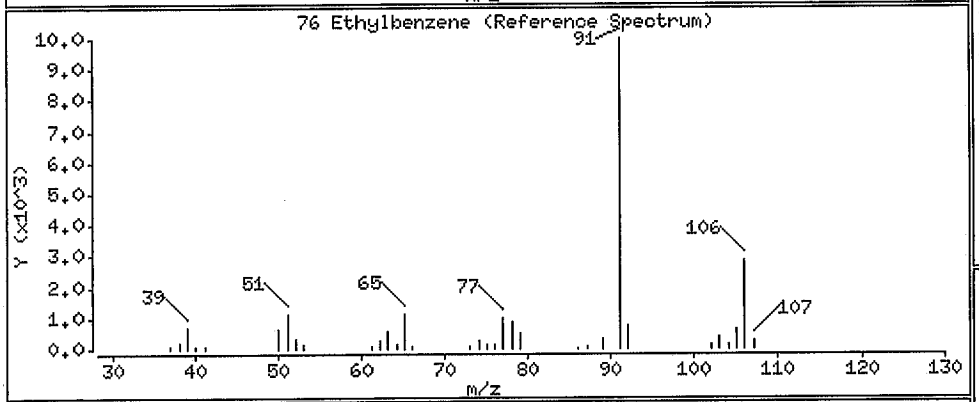
Purge Volume: 500.0 Operator: 7126

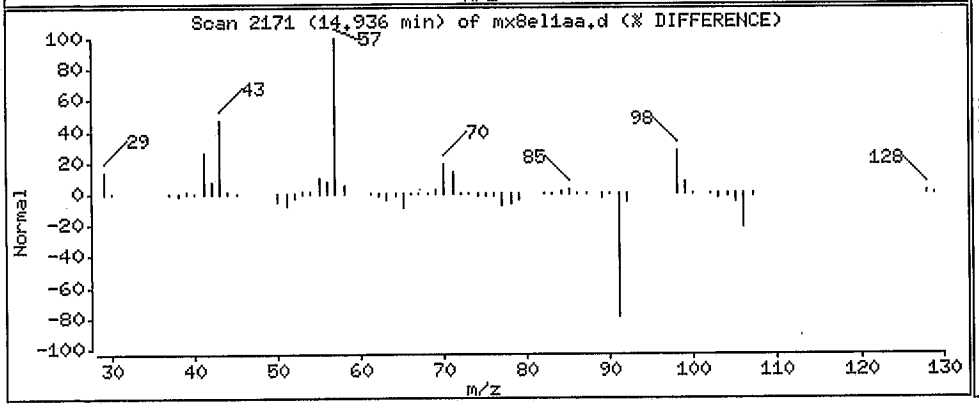
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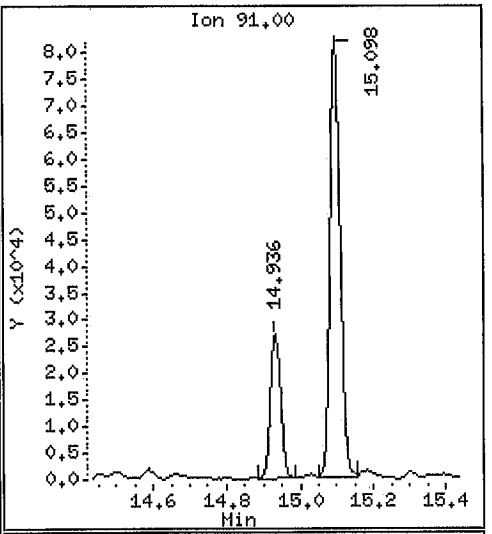
76 Ethylbenzene Concentration: 0.4174 ppb(v/v)

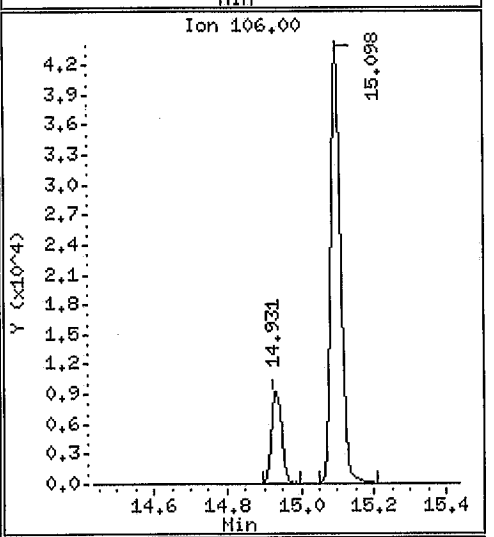


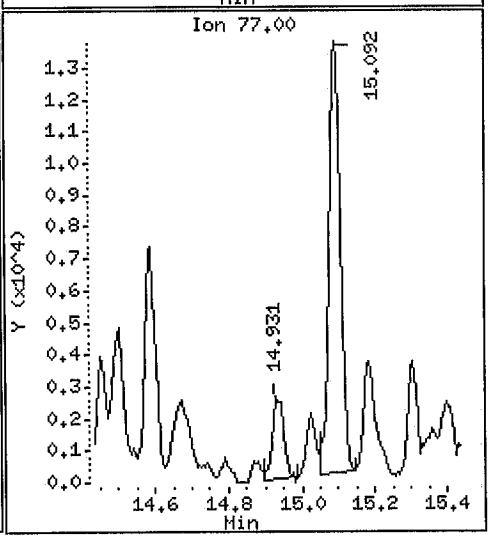












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Date : 01-MAR-2013 16:11

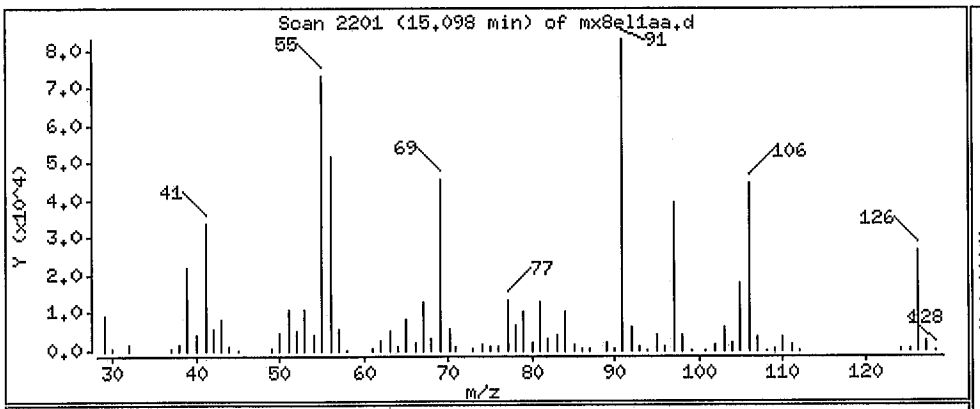
Client ID: 828076-SS-003B2-03 Instrument: mg.i

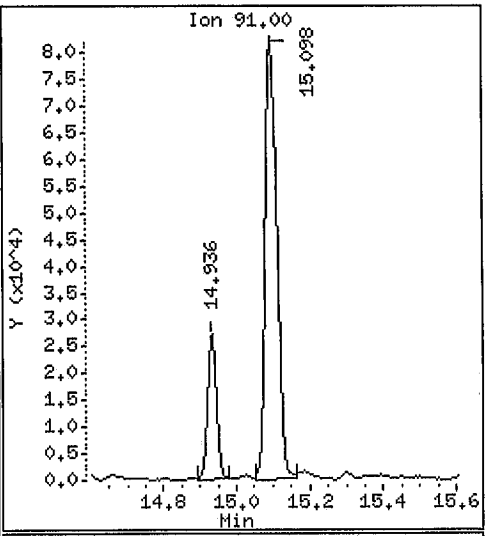
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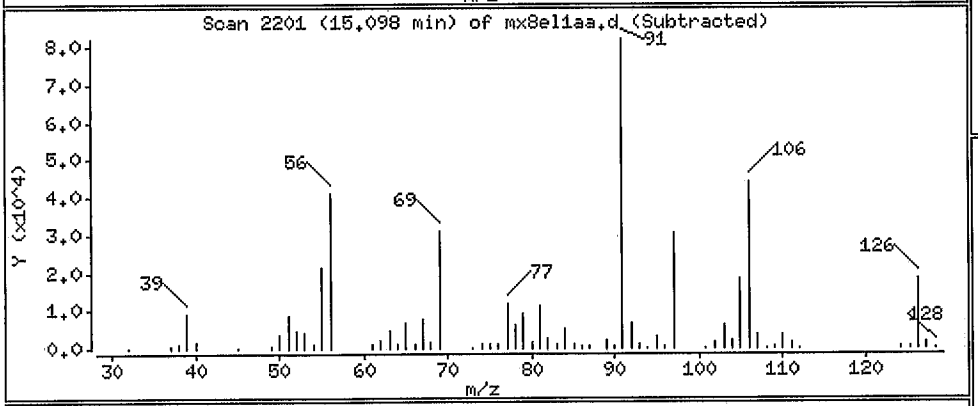
Purge Volume: 500.0 Operator: 7126

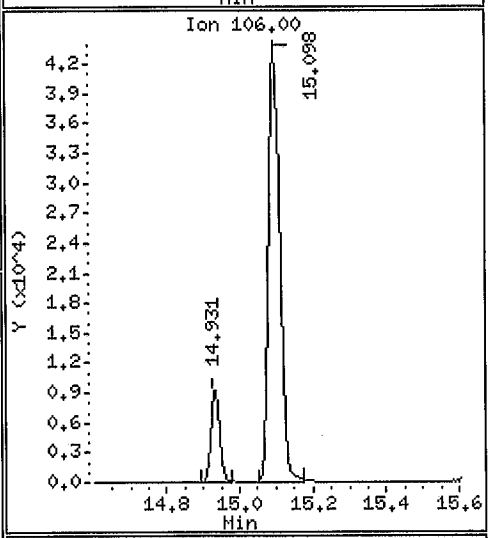
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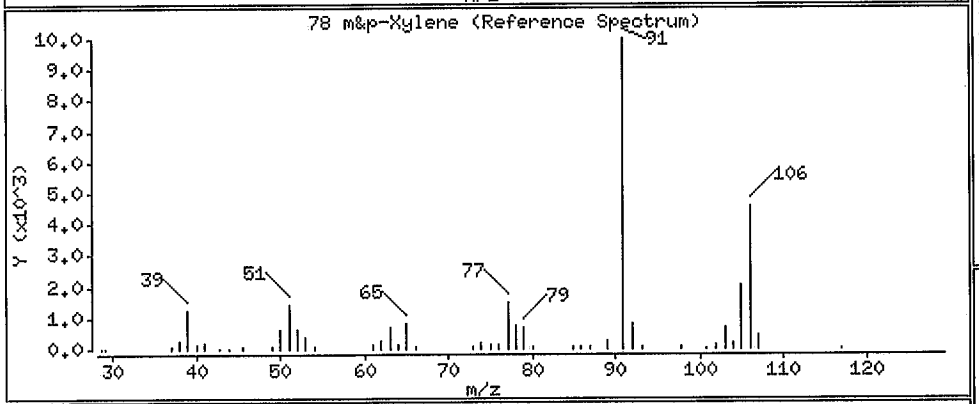
78 m&p-Xylene Concentration: 1.880 ppb(v/v)

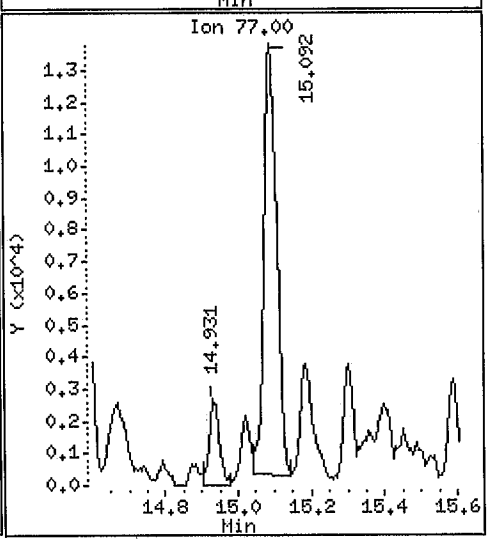


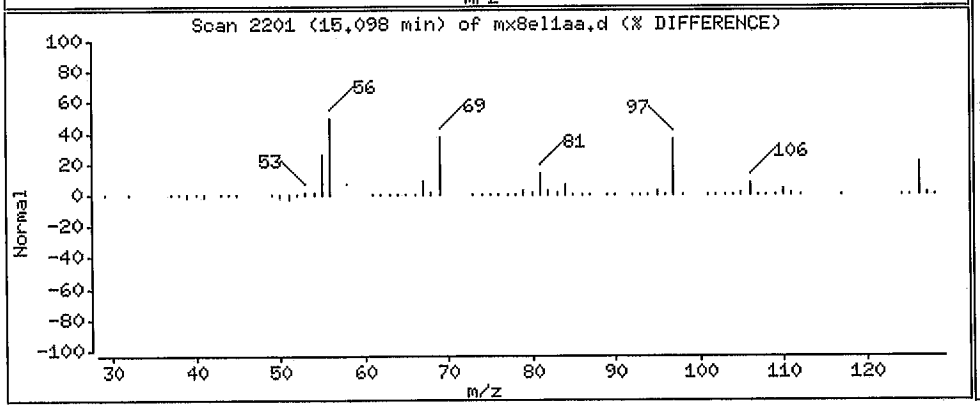












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Date : 01-MAR-2013 16:11

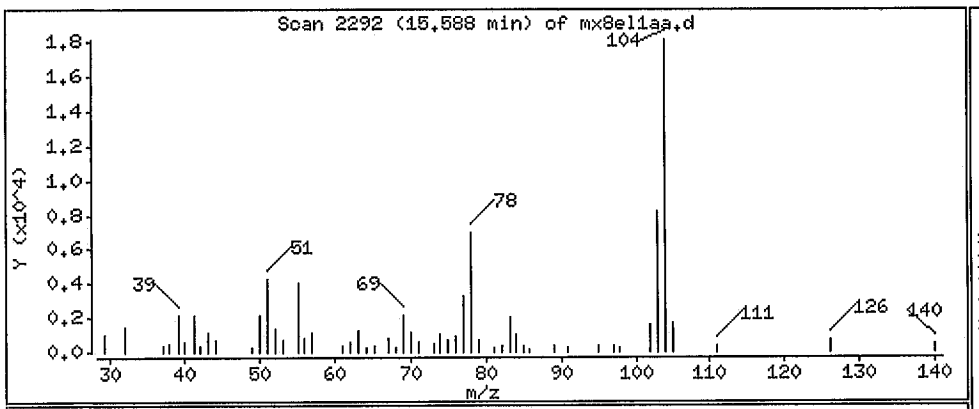
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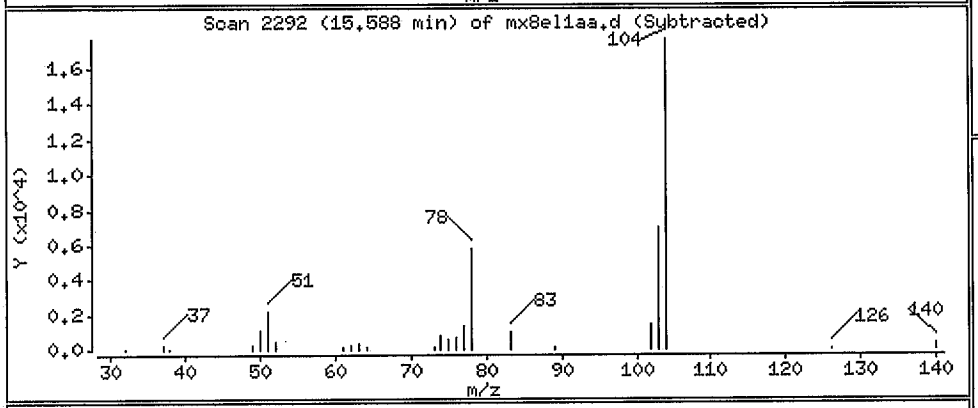
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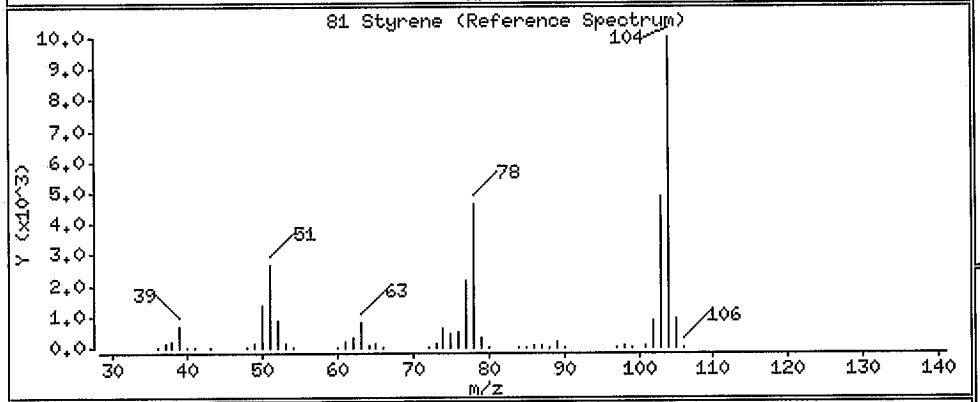
Purge Volume: 500.0 Operator: 7126

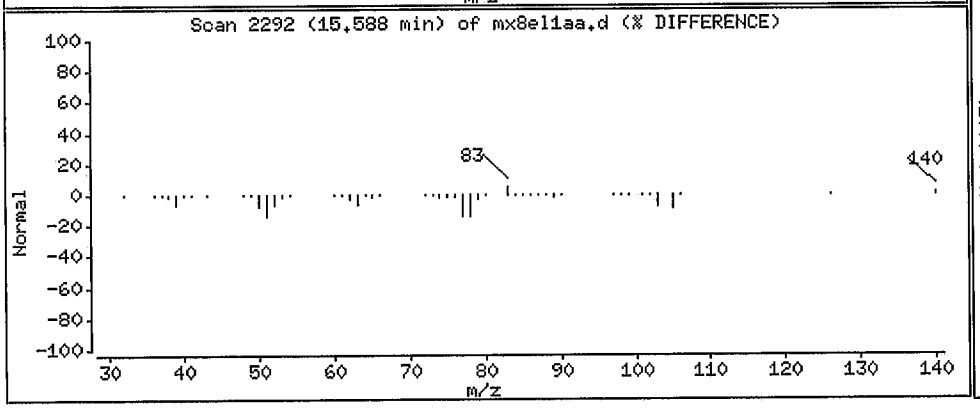
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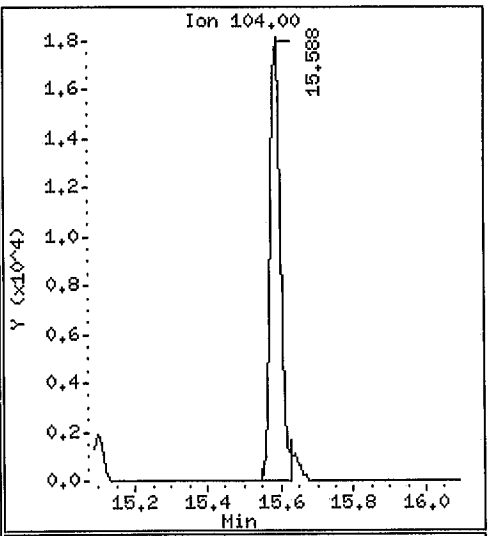
81 Styrene Concentration: 0.4893 ppb(v/v)

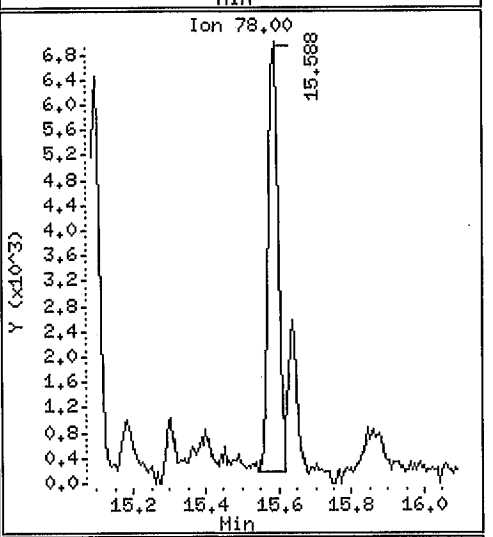


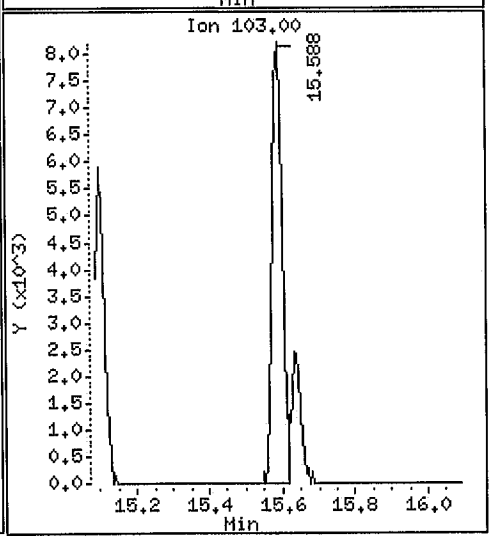












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Date : 01-MAR-2013 16:11

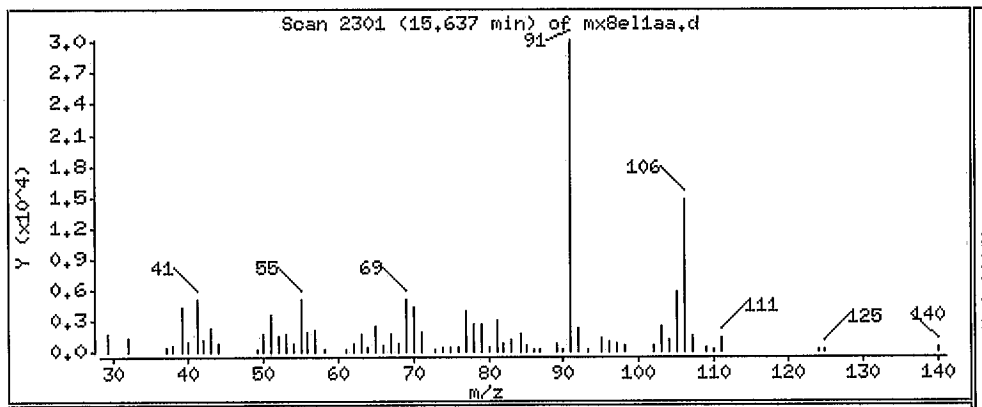
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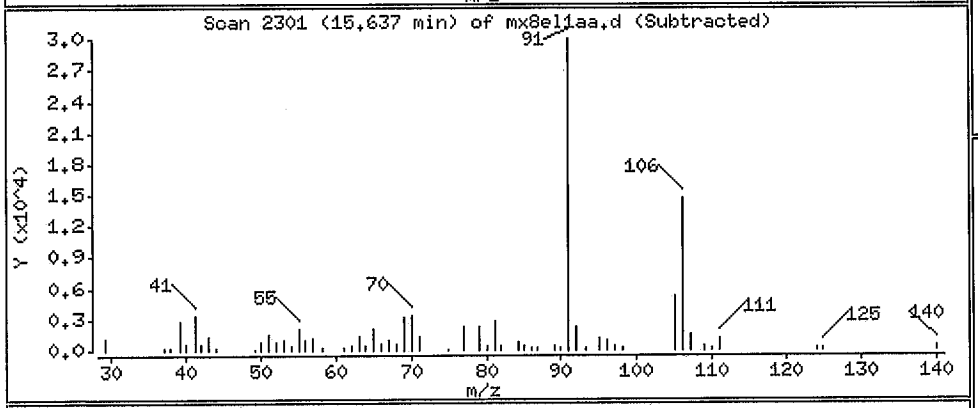
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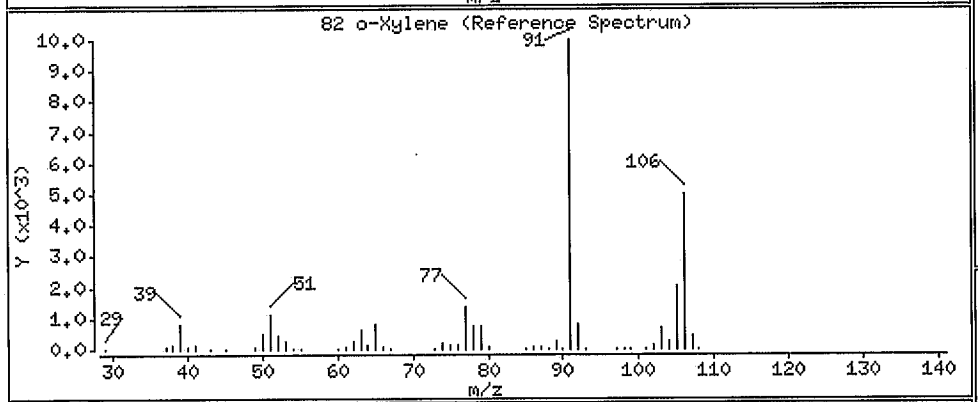
Purge Volume: 500.0 Operator: 7126

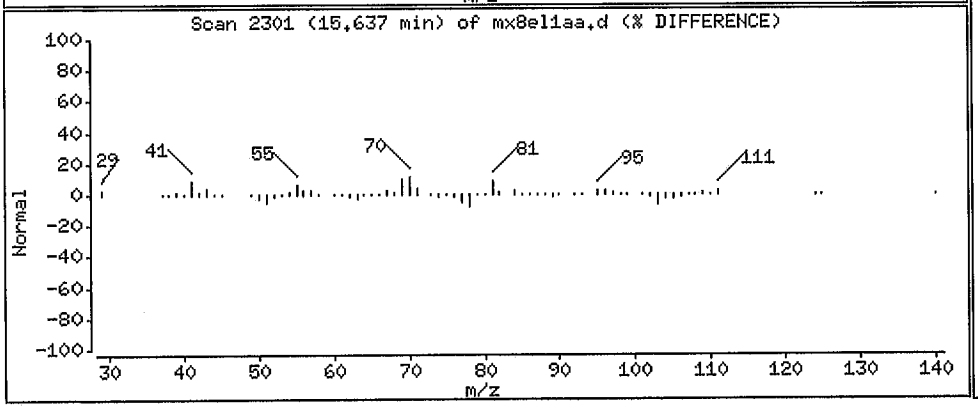
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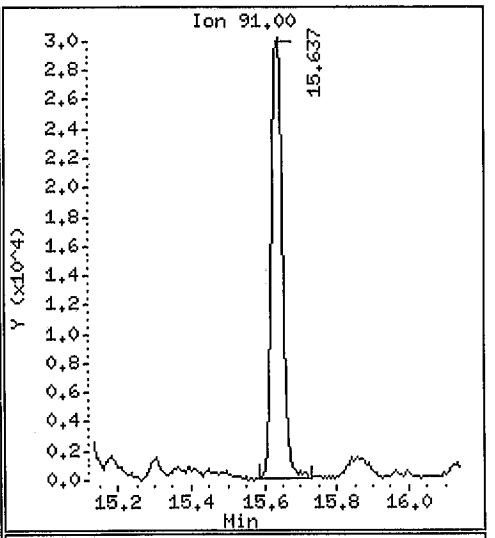
82 o-Xylene Concentration: 0.6245 ppb(v/v)

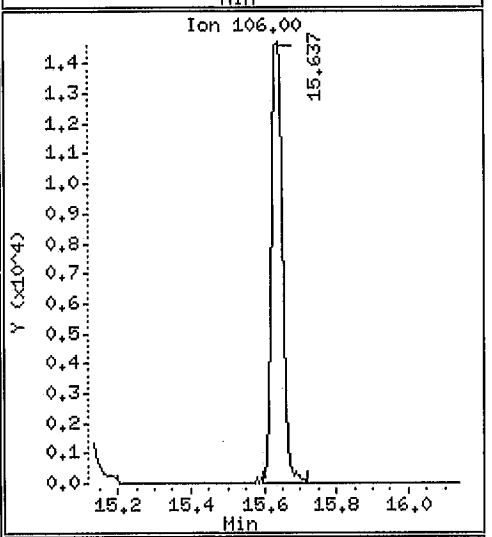


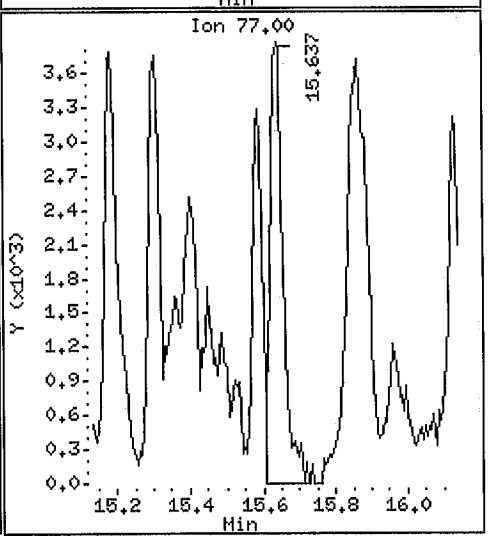












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8el1aa.d

Date : 01-MAR-2013 16:11

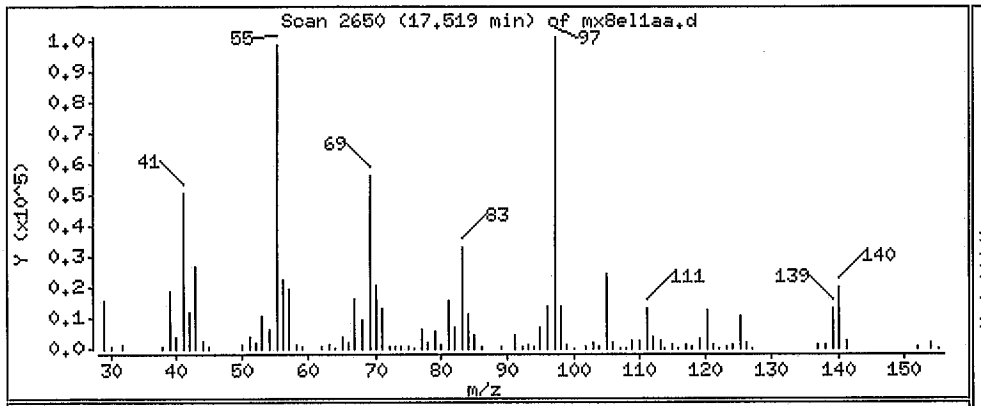
Client ID: 828076-SS-003B2-03 Instrument: mg.i

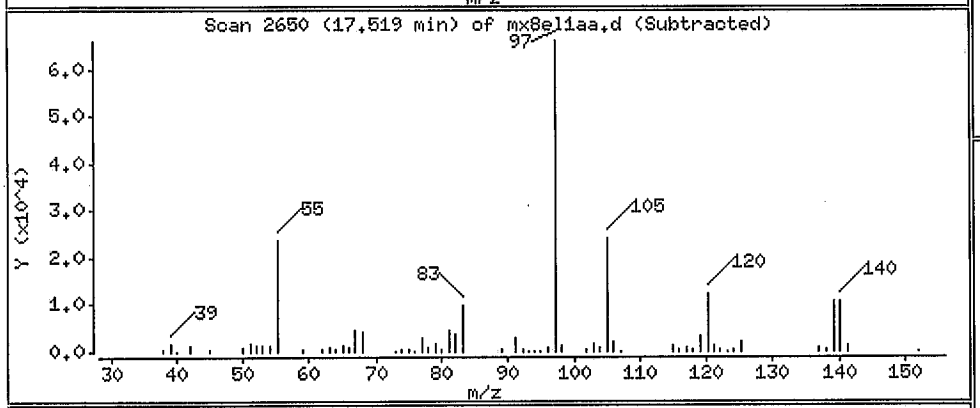
Sample Info: ,5,0,,,

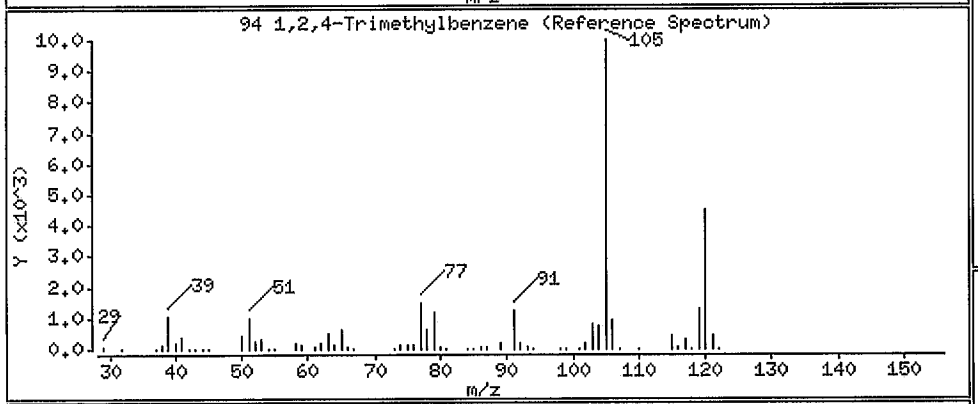
Purge Volume: 500.0 Operator: 7126

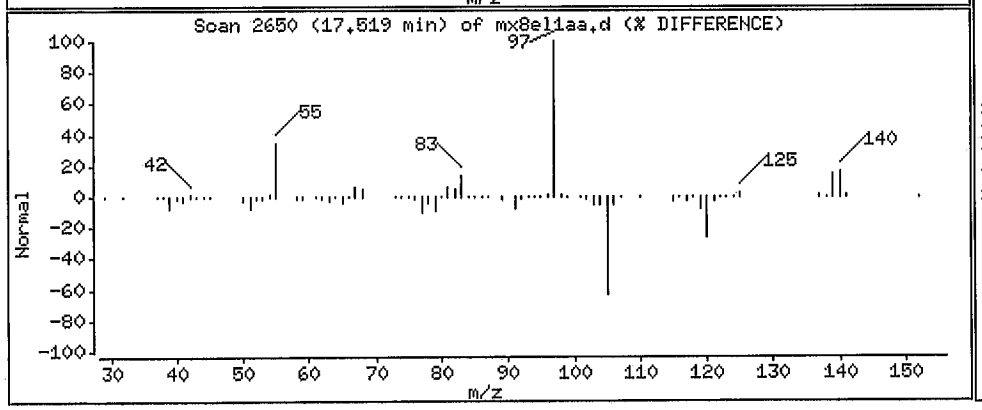
Column phase: Rtx-5 Column diameter: 0.32

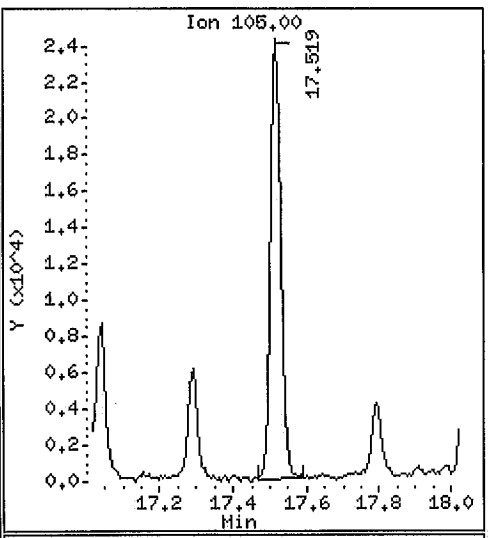
94 1,2,4-Trimethylbenzene Concentration: 0.4100 ppb(v/v)

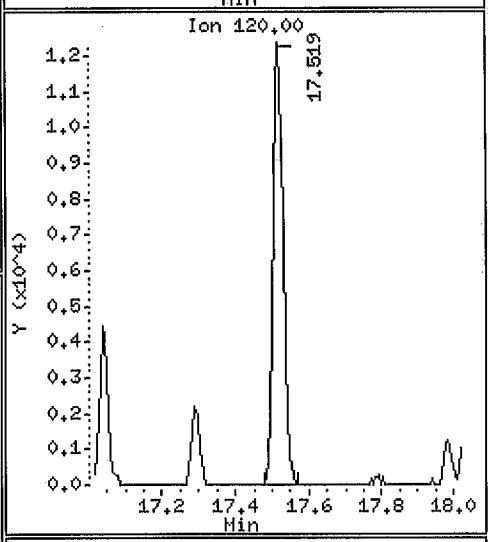


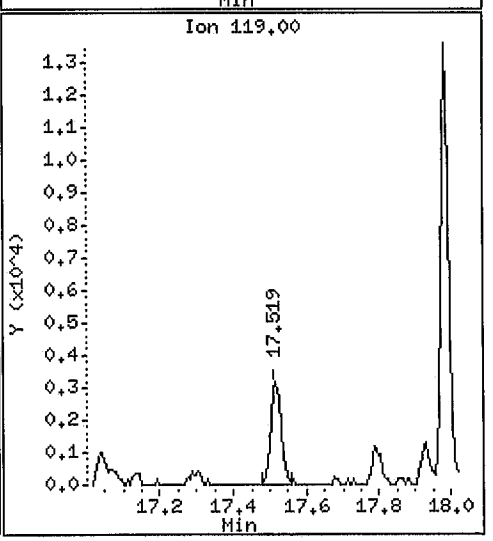












New York State D.E.C.

Client Sample ID: 828076-OA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 010 **Work Order #** MX8EM1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.21**	**0.20**	**0.96**	**0.93**
Benzene	**0.23**	**0.080**	**0.73**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.65**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.46**	**0.080**	**2.3**	**0.40**
Ethanol	**5.1**	**0.80**	**9.6**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.26**	**0.20**	**0.93**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-OA-003B2-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 010 **Work Order #** MX8EM1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.48**	**0.080**	**1.8**	**0.30**
m-Xylene & p-Xylene	**0.20**	**0.080**	**0.87**	**0.35**
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.25**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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/mr.i/R022813.b/mx8em1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d
Lab Smp Id: MX8EM1AA Client Smp ID: 828076-OA-003B2-01
Inj Date : 01-MAR-2013 01:39
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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	9.094	9.088	(1.000)	274677	4.00000	4.000
* 2	1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1407525	4.00000	4.000
* 3	Chlorobenzene-d5	117	17.479	17.495	(1.000)	1146963	4.00000	4.000
$ 4	4-Bromofluorobenzene	95	20.213	20.224	(1.156)	830549	4.13603	4.136
7	Dichlorodifluoromethane	85	4.230	4.241	(0.465)	132026	0.46126	0.4613
8	Chloromethane	52	4.408	4.419	(0.485)	22699	0.64878	0.6488
20	Trichlorofluoromethane	101	5.670	5.675	(0.623)	69224	0.24893	0.2489
33	Carbon Disulfide	76	6.818	6.824	(0.750)	4344	0.01375	0.01374 NB
40	Hexane	56	8.420	8.414	(0.926)	24791	0.26268	0.2627
39	2-Butanone	72	8.366	8.344	(0.920)	15093	0.27368	0.2737
48	Benzene	78	10.706	10.706	(0.950)	81823	0.22966	0.2297
50	Carbon Tetrachloride	117	10.744	10.738	(0.953)	18312	0.09950	0.09950
53	2,2,4-trimethylpentane	57	11.547	11.547	(1.024)	118505	0.20535	0.2053
54	Heptane	71	11.968	11.968	(1.062)	13577	0.10860	0.1086 NB
65	Toluene	91	14.632	14.632	(0.837)	228660	0.48049	0.4805
78	m&p-Xylene	91	18.309	18.336	(1.048)	92046	0.19952	0.1995

Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d
Report Date: 01-Mar-2013 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
17 ~ ethanol	31	5.238	5.222	(0.576)	191991	5.09644	5.096

Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8em1aa.d
Lab Smp Id: MX8EM1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-OA-003B2-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	274677	-37.19
2 1,4-Difluorobenze	2178721	1296339	3061103	1407525	-35.40
3 Chlorobenzene-d5	1632809	971521	2294097	1146963	-29.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8em1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

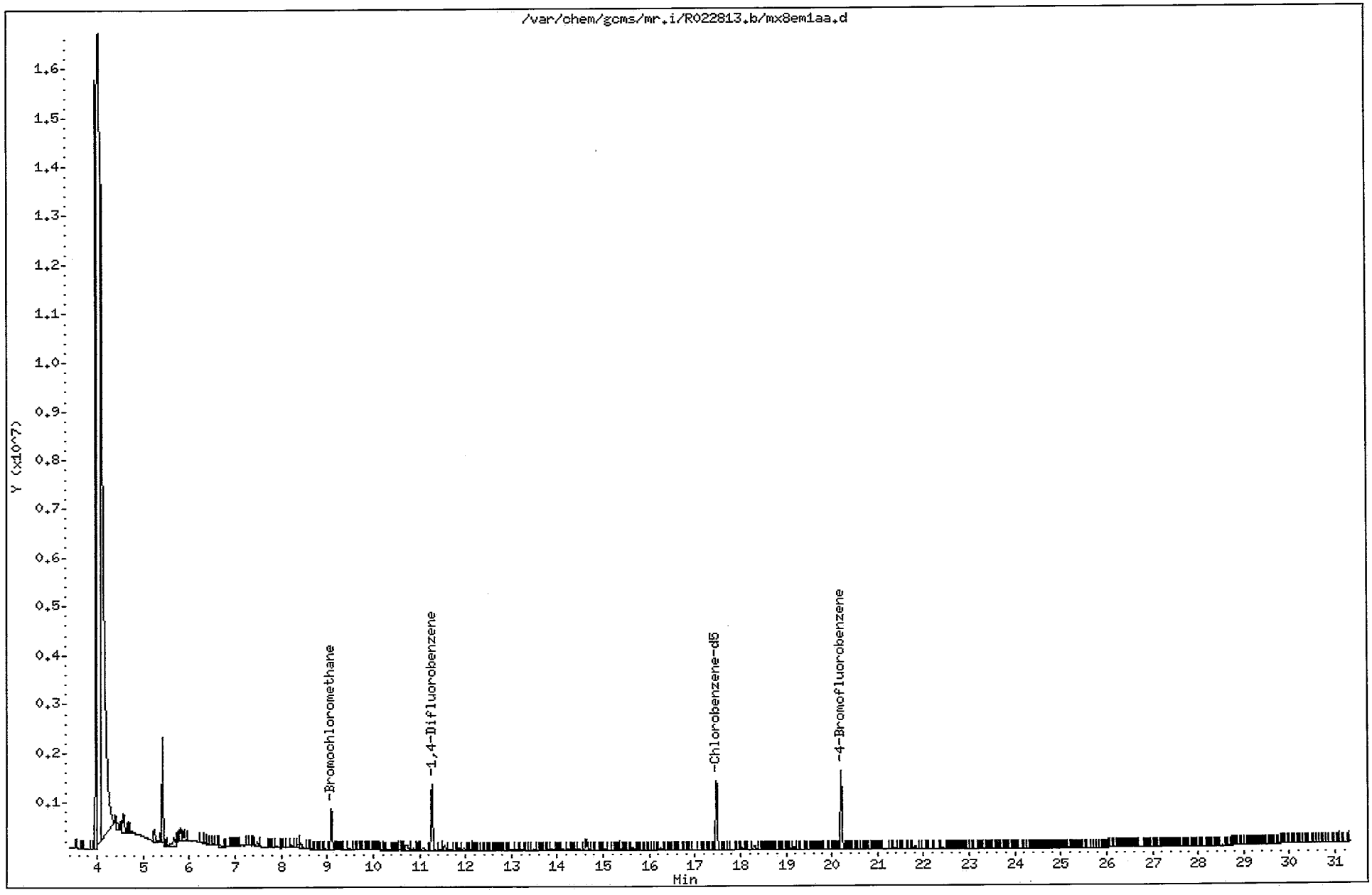
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EM1AA Client Smp ID: 828076-OA-003B2-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.136	103.40	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d
Date : 01-MAR-2013 01:39
Client ID: 828076-OA-003B2-01
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

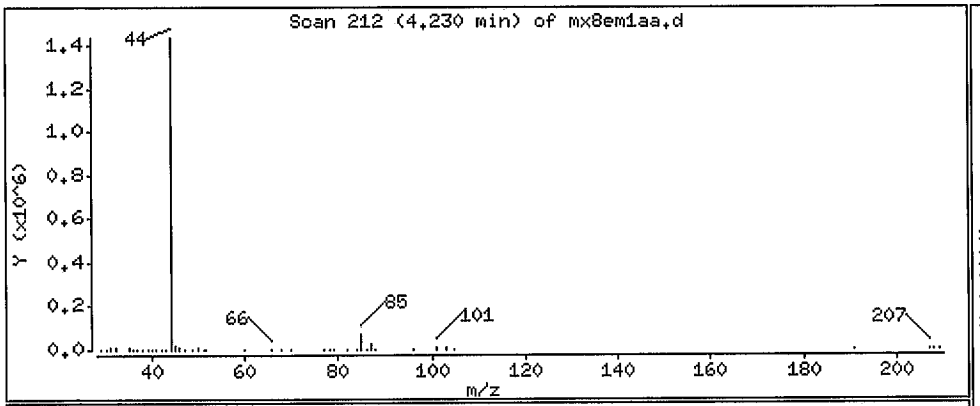
Client ID: 828076-OA-003B2-01 Instrument: mr.i

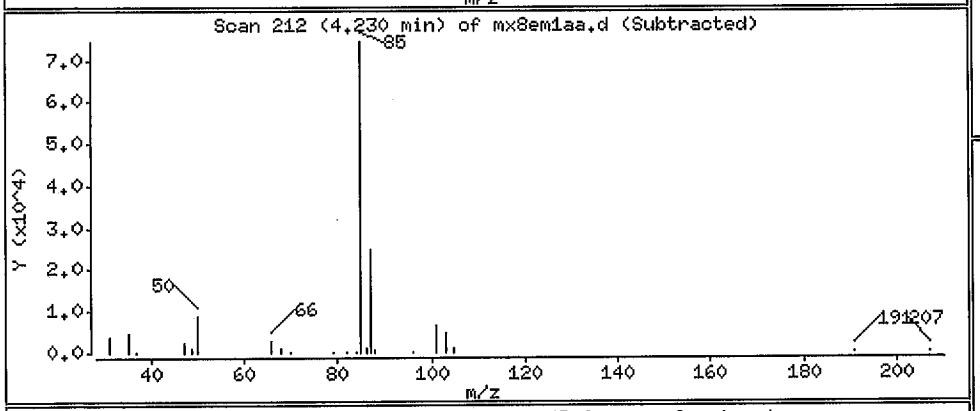
Sample Info: ,,0,,,

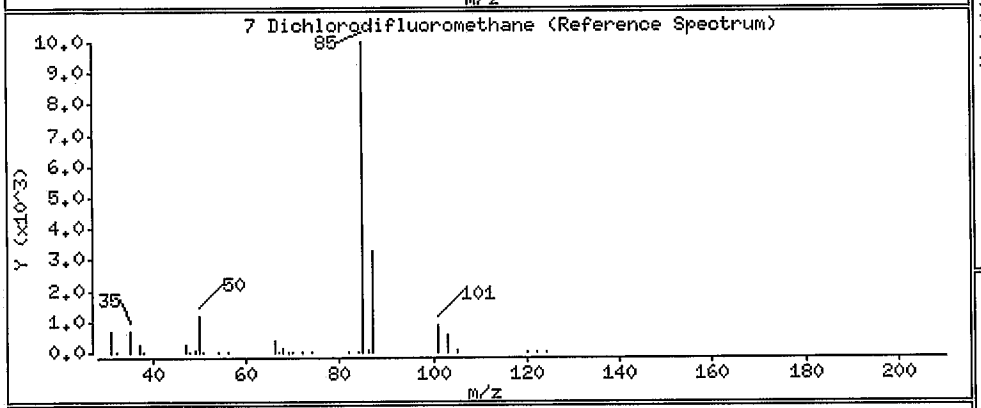
Purge Volume: 500.0 Operator: 403648

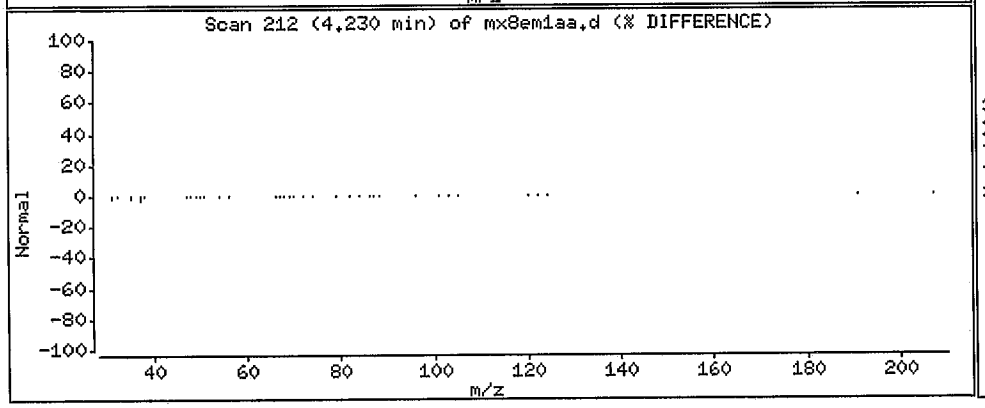
Column phase: Rtx-5 Column diameter: 0.32

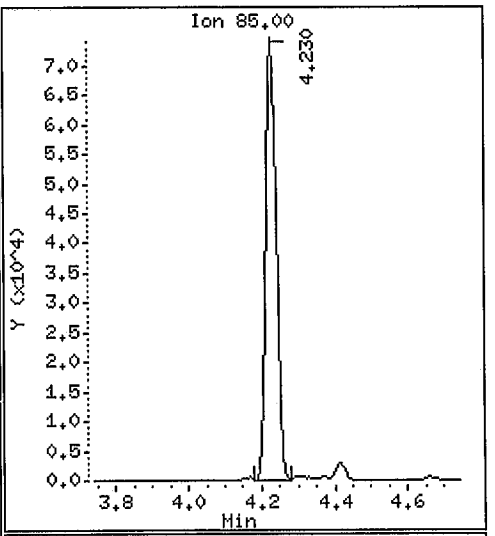
7 Dichlorodifluoromethane Concentration: 0.4613 ppb(v/v)

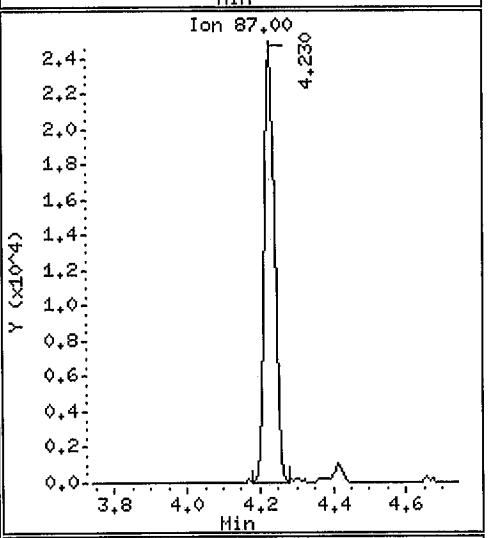


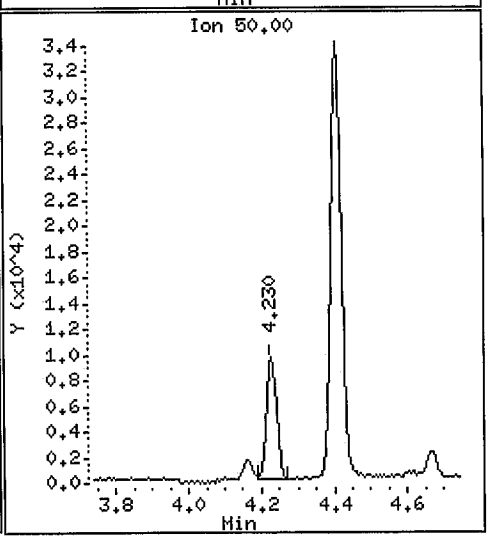












Data File: /var/chem/goms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

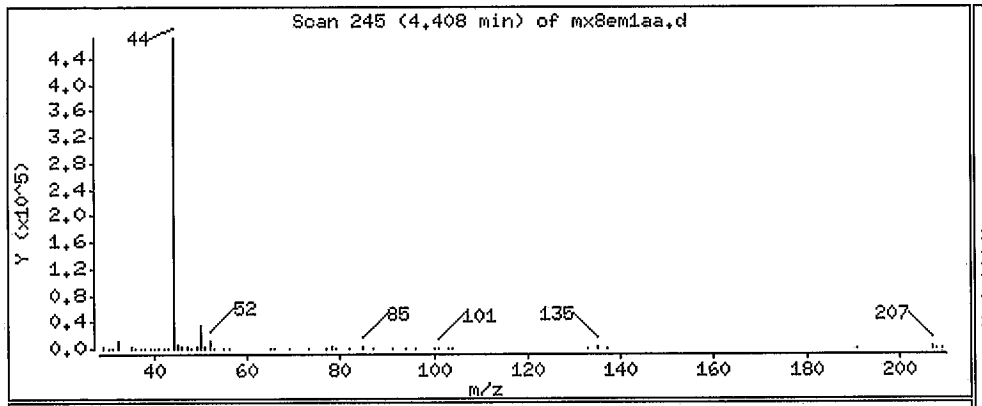
Client ID: 828076-OA-003B2-01 Instrument: mr.i

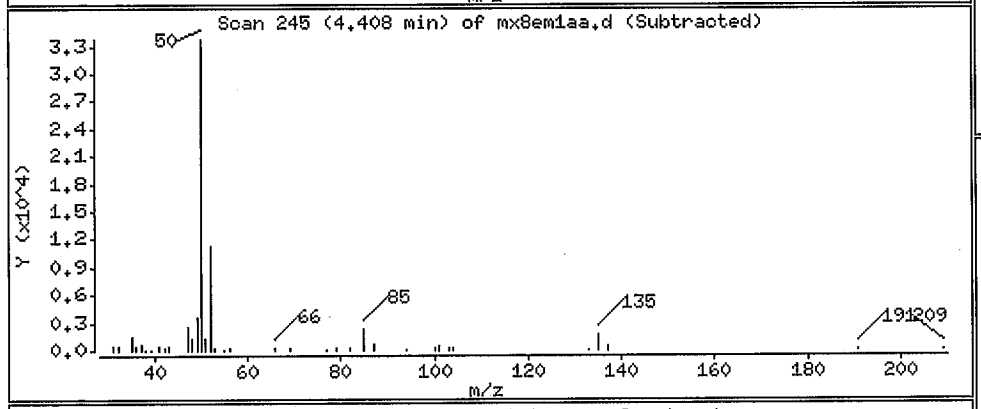
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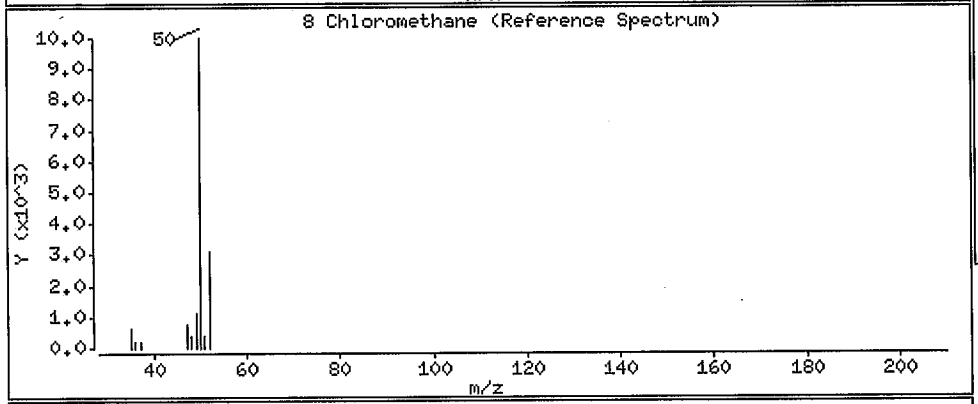
Purge Volume: 500.0 Operator: 403648

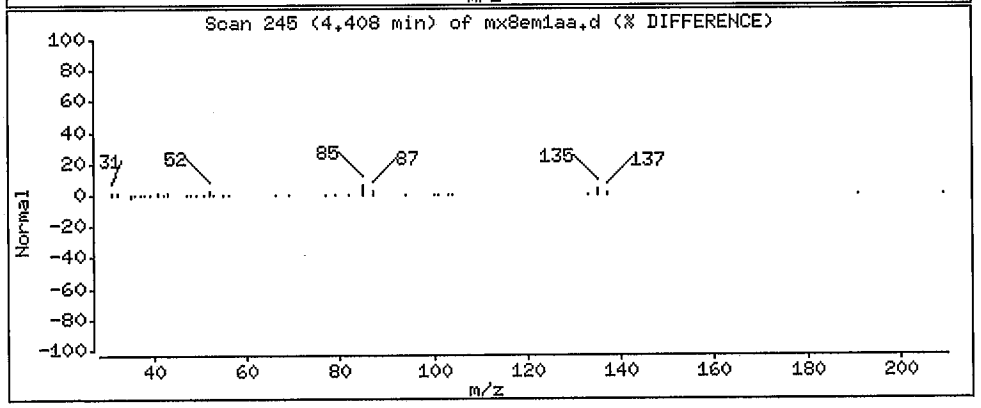
Column phase: Rtx-5 Column diameter: 0.32

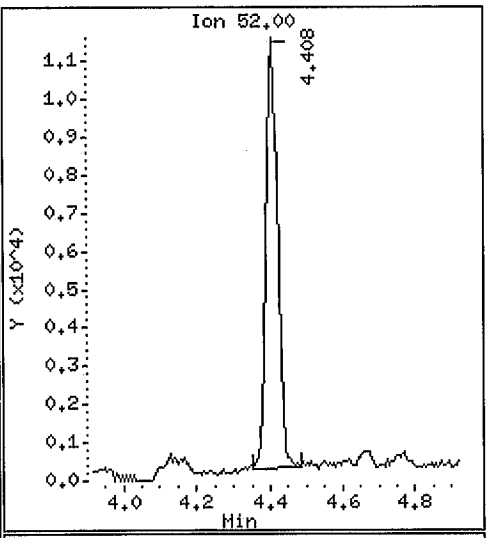
8 Chloromethane Concentration: 0.6488 ppb(v/v)

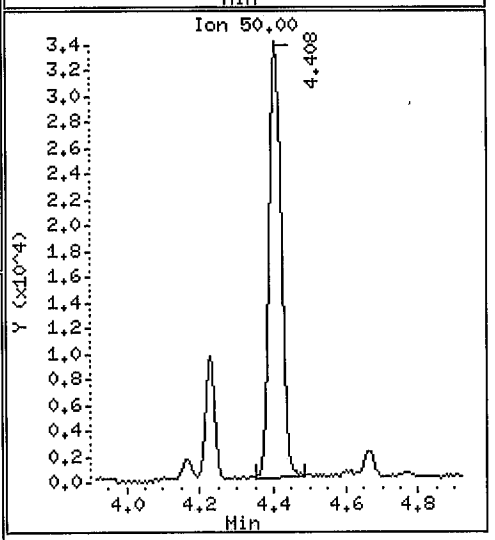












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

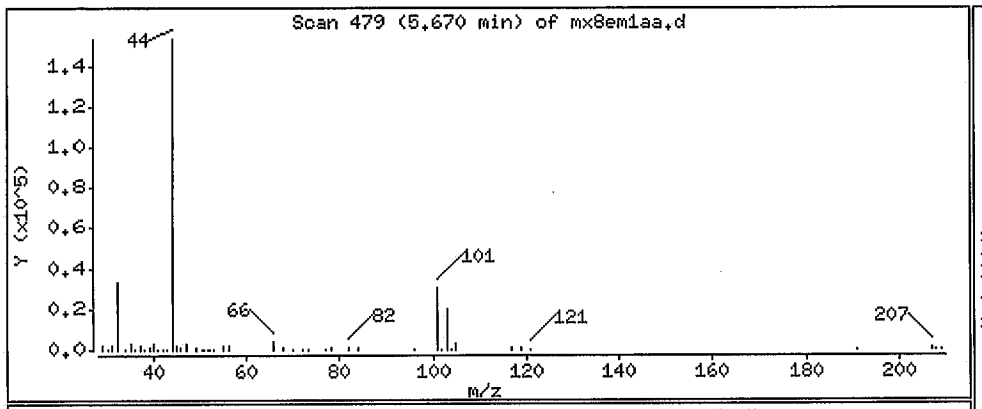
Client ID: 828076-OA-003B2-01 Instrument: mr.i

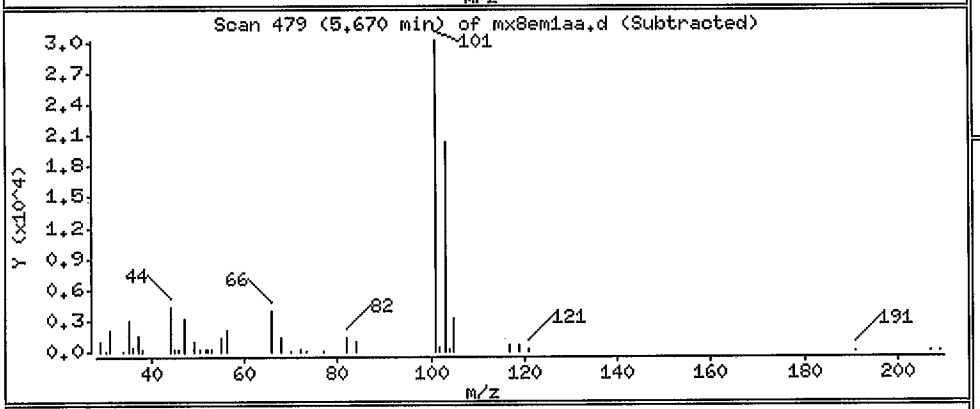
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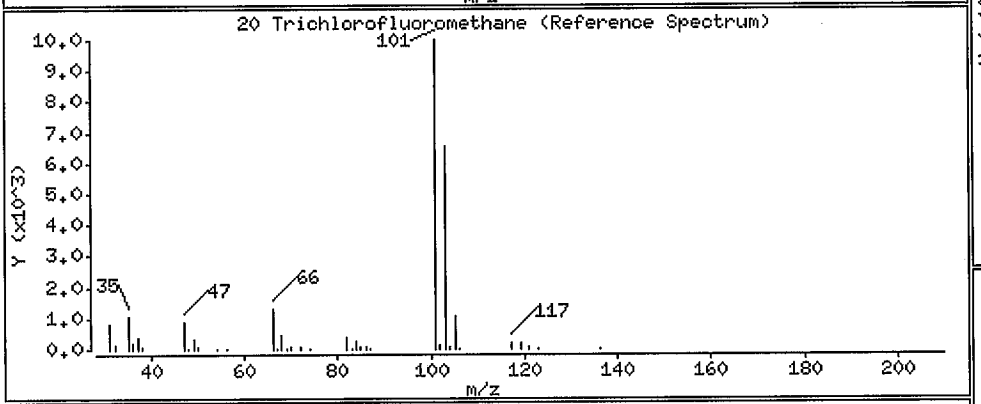
Purge Volume: 500.0 Operator: 403648

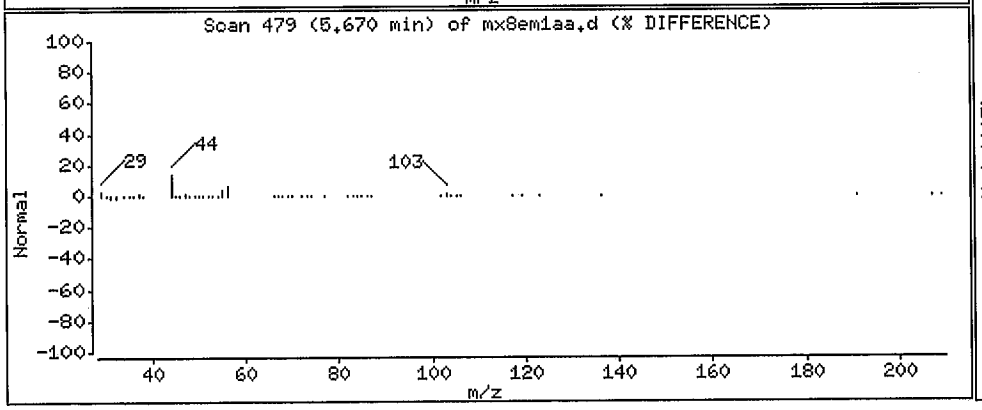
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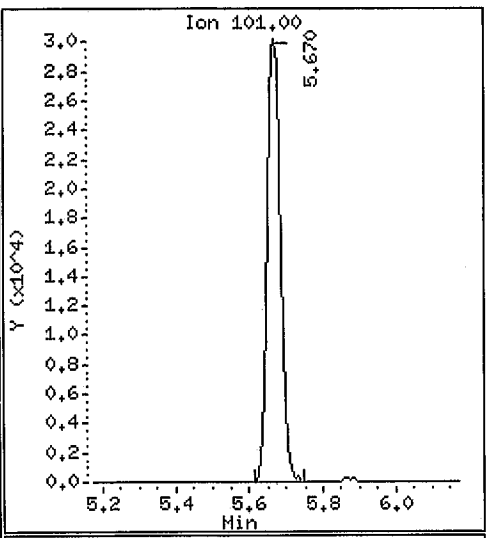
20 Trichlorofluoromethane Concentration: 0.2489 ppb(v/v)

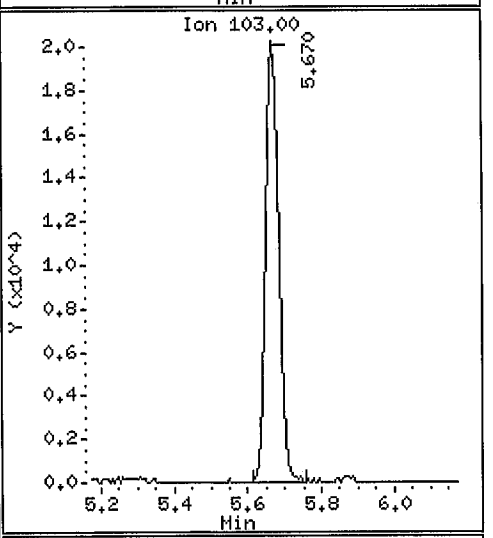


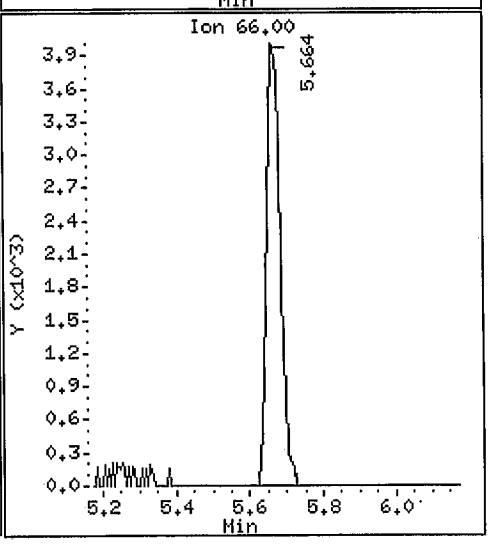












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

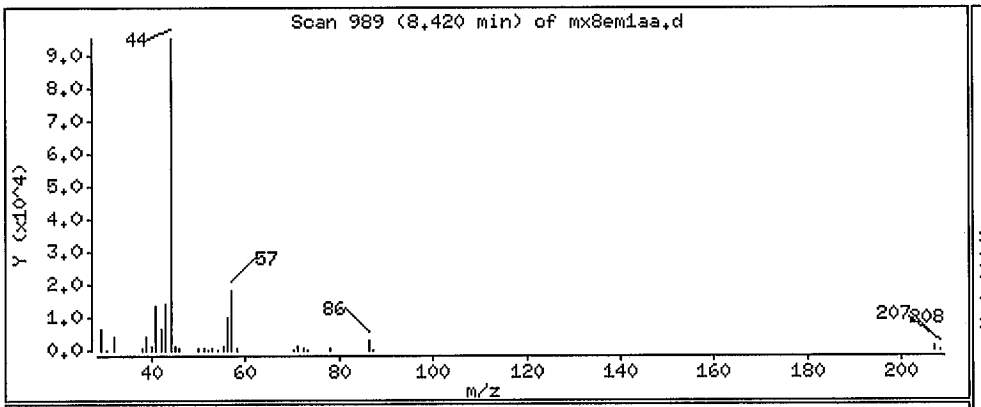
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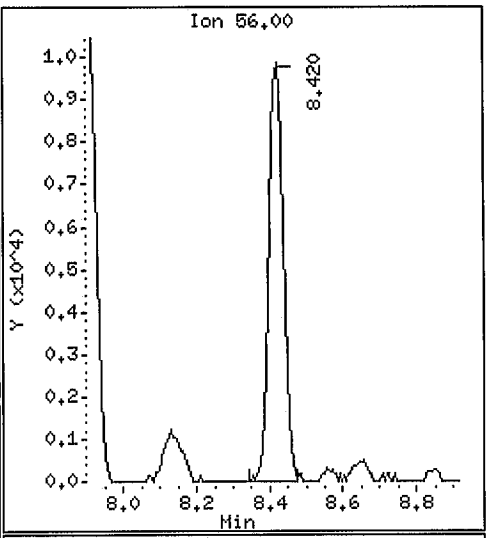
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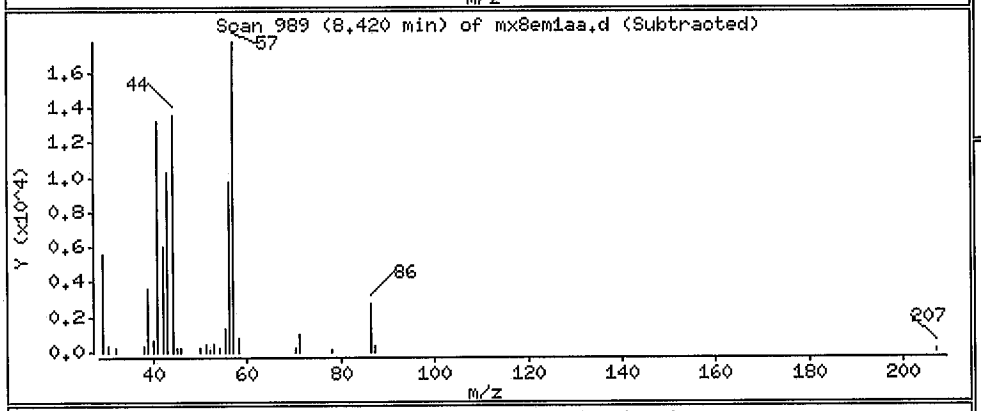
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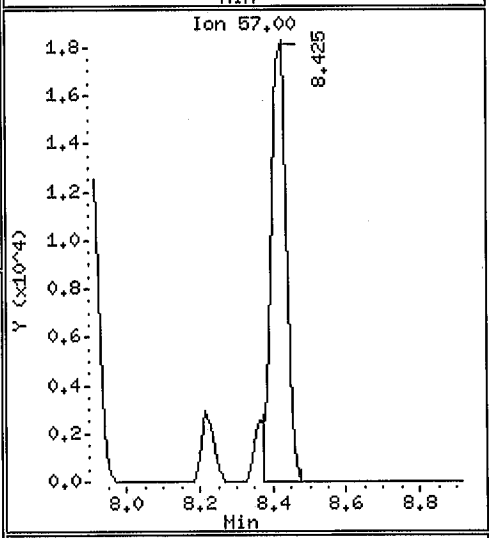
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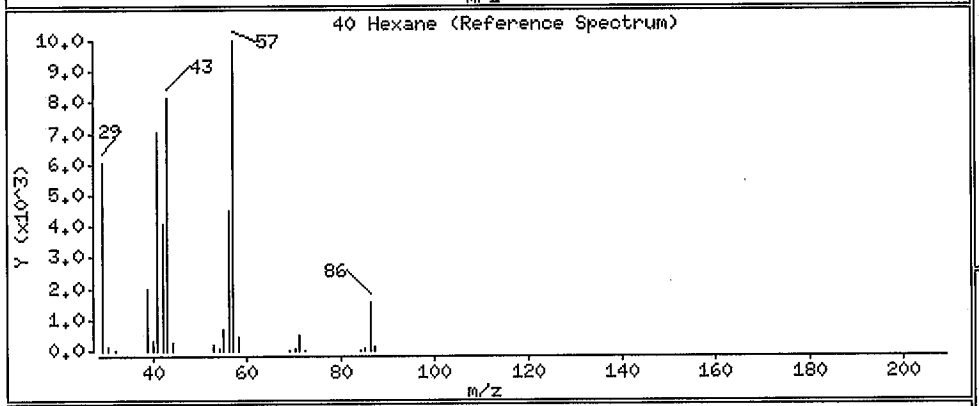
40 Hexane Concentration: 0.2627 ppb(v/v)

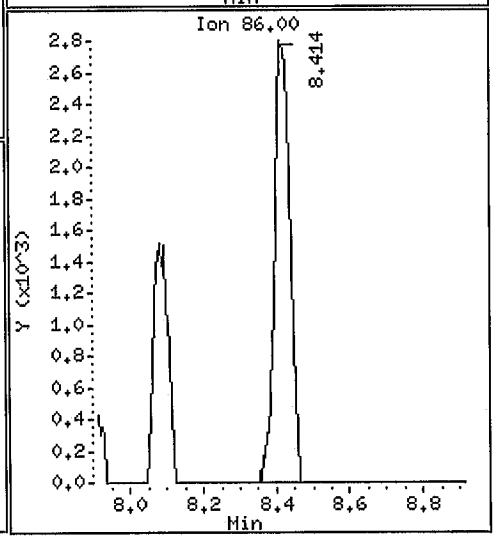


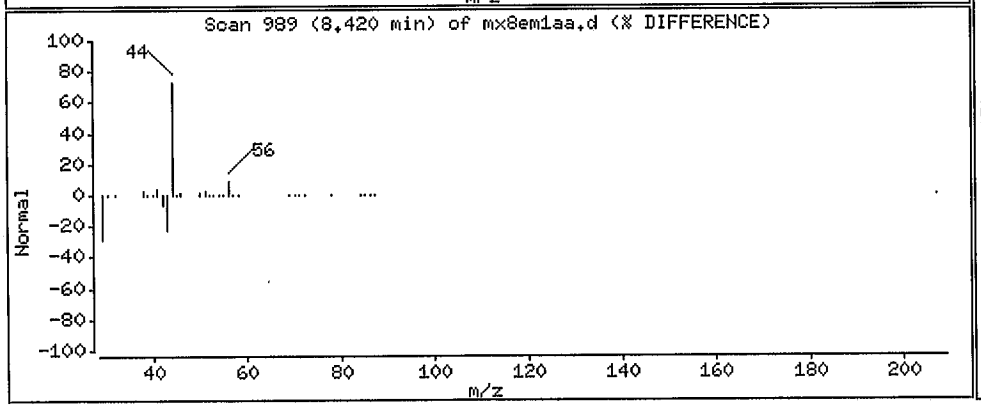












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

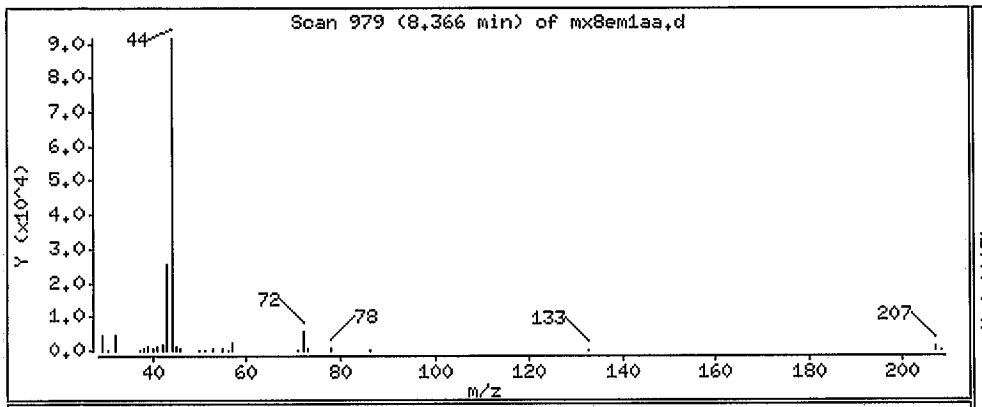
Client ID: 828076-0A-003B2-01 Instrument: mr.i

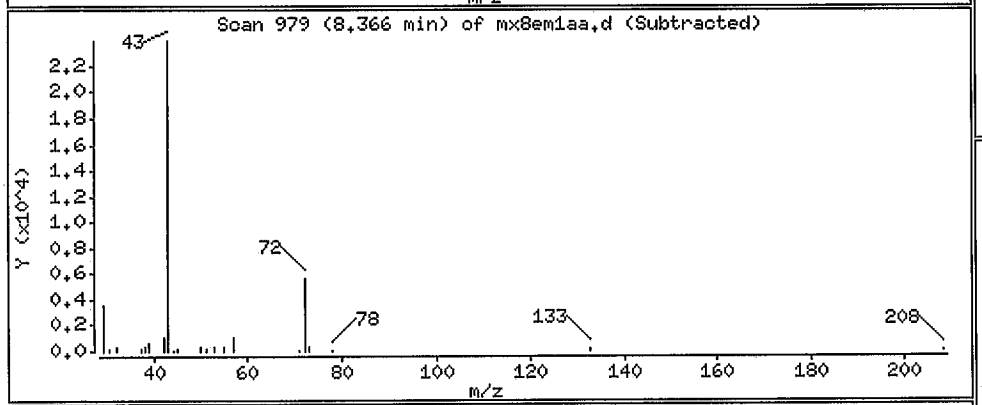
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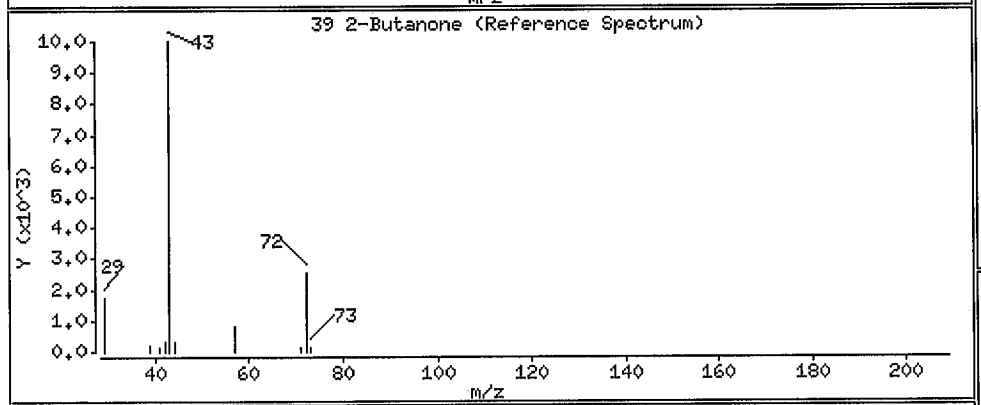
Purge Volume: 500.0 Operator: 403648

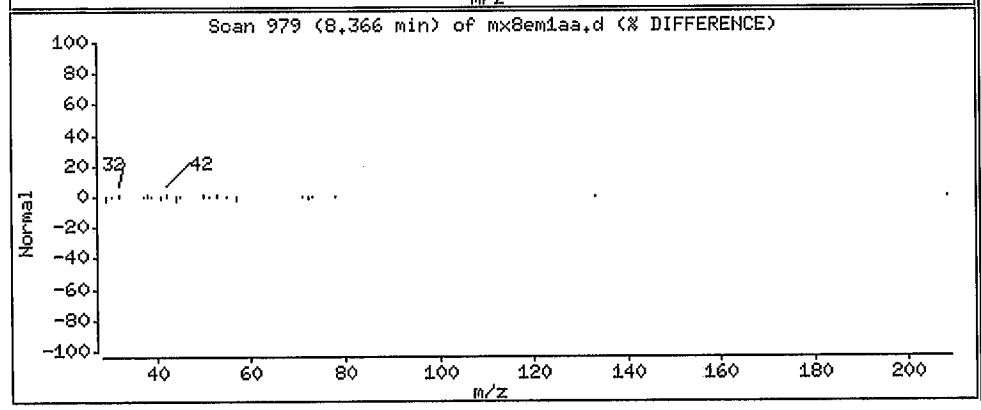
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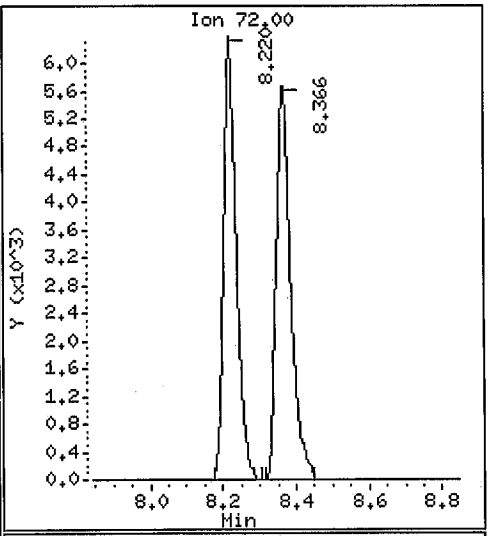
39 2-Butanone Concentration: 0.2737 ppb(v/v)

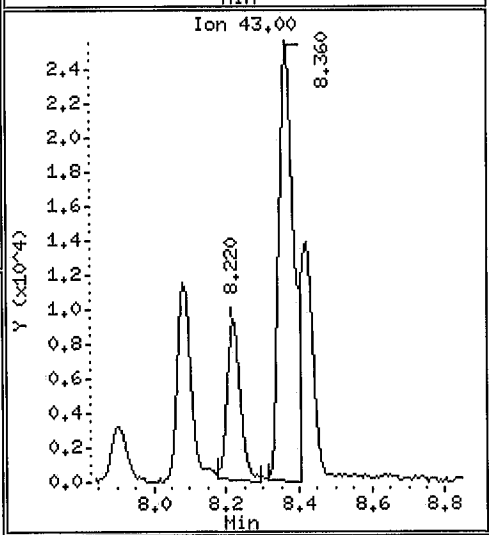


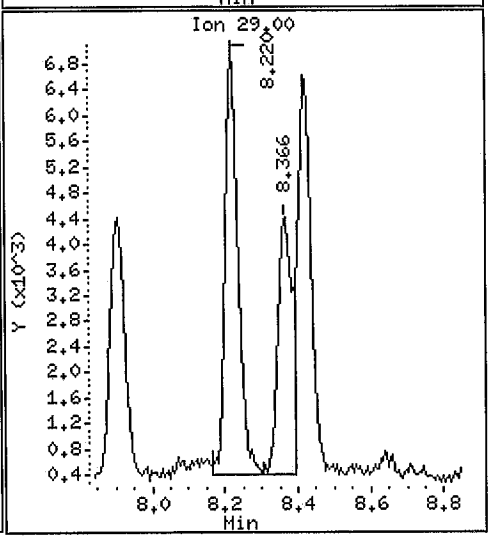












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

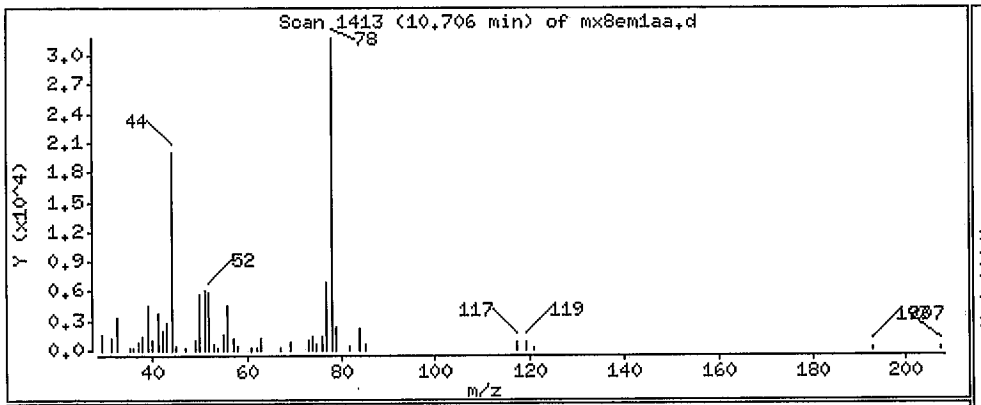
Client ID: 828076-0A-003B2-01 Instrument: mr.i

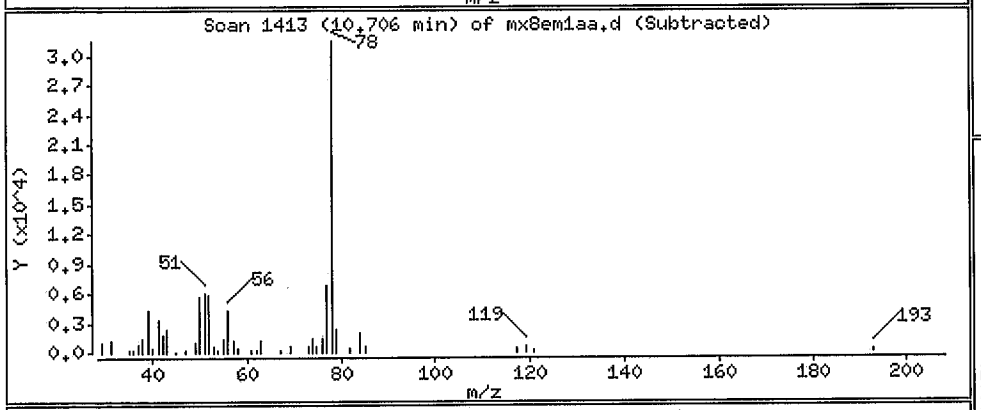
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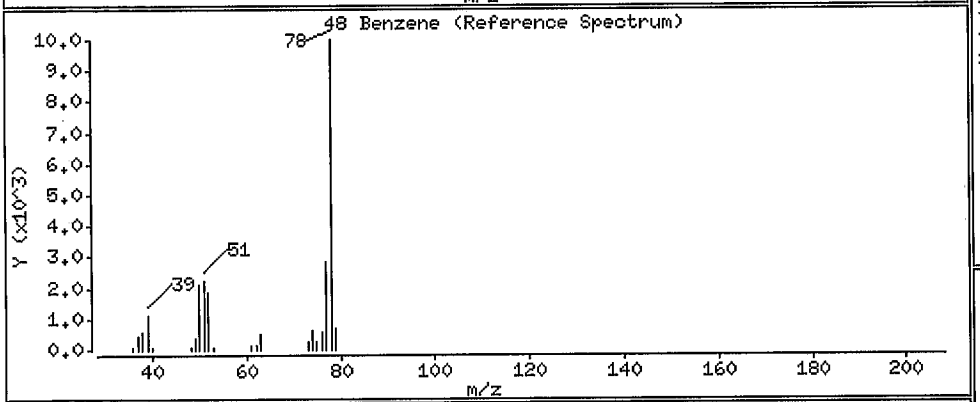
Purge Volume: 500.0 Operator: 403648

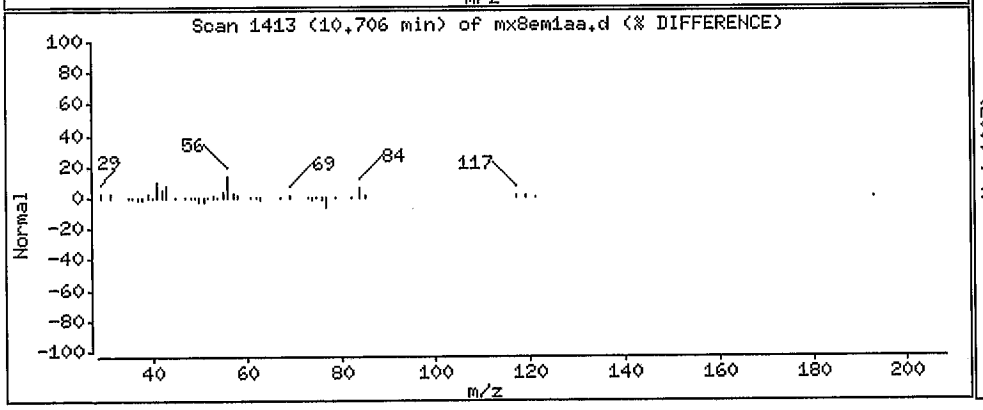
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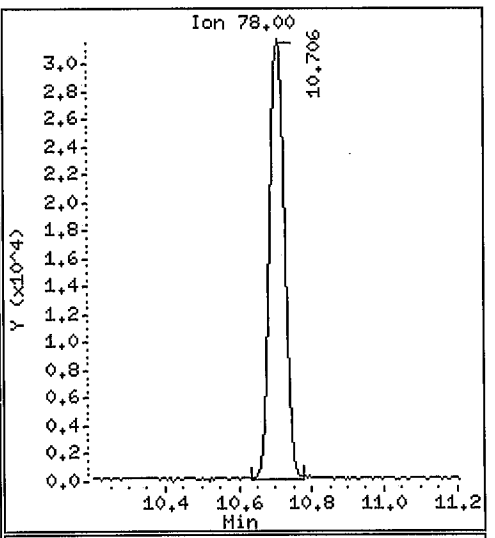
48 Benzene Concentration: 0.2297 ppb(v/v)

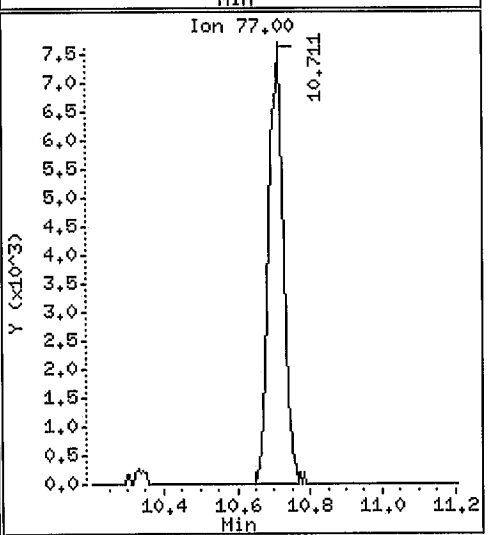


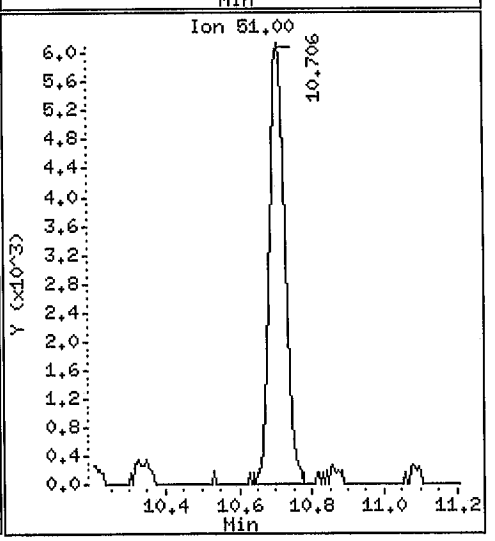












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

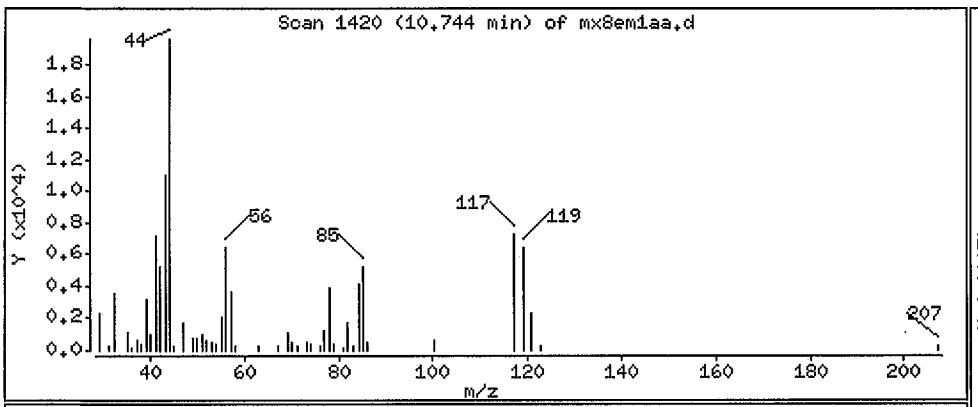
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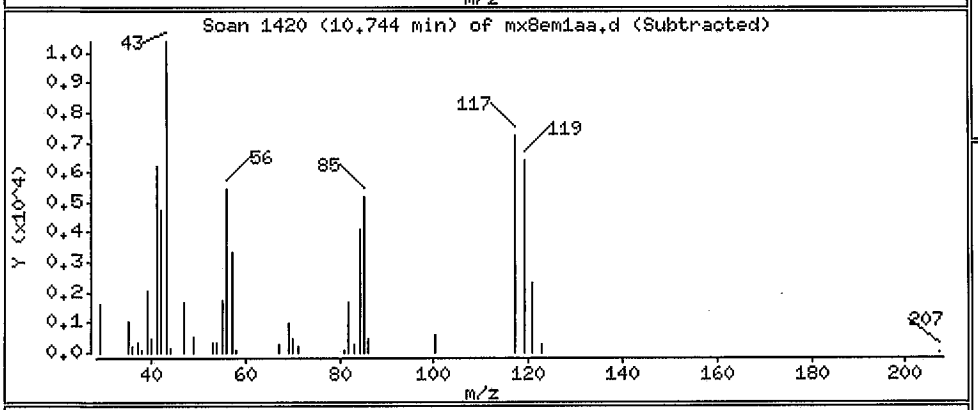
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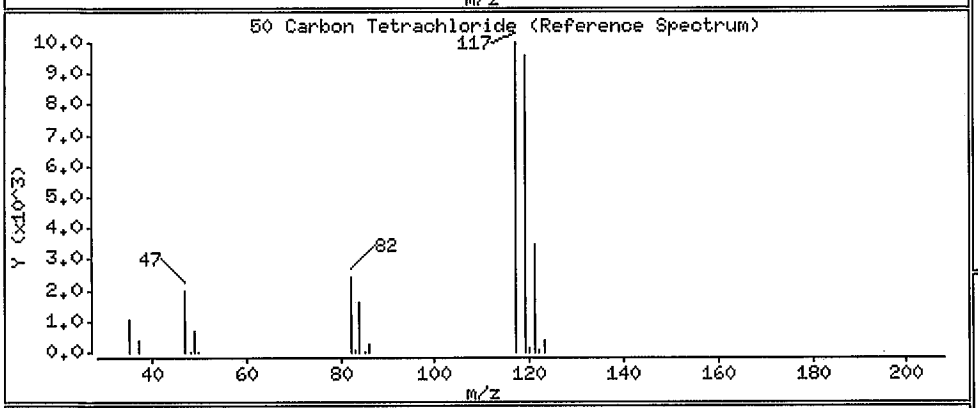
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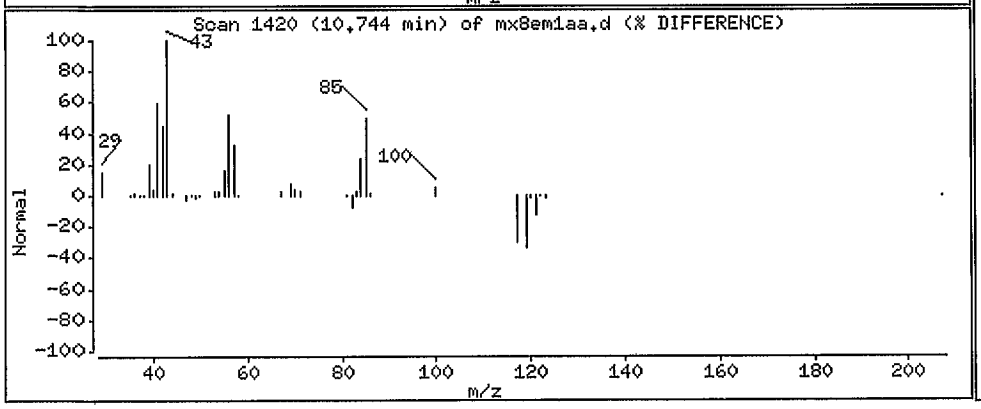
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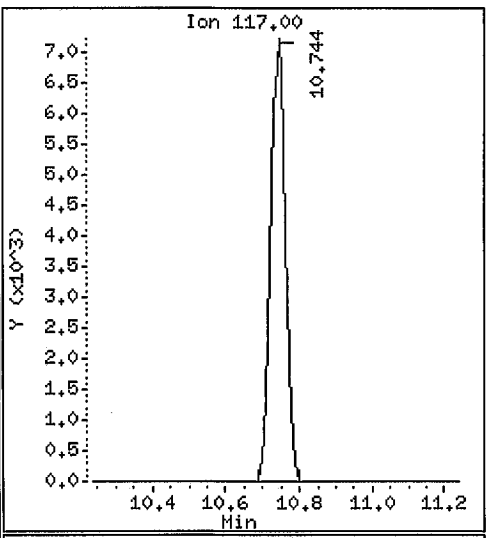
50 Carbon Tetrachloride Concentration: 0.09950 ppb(v/v)

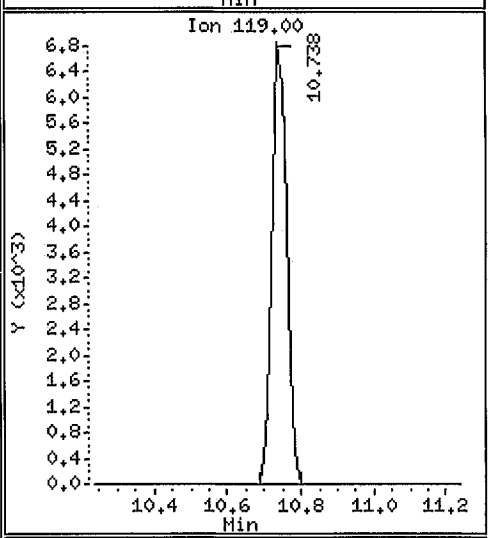


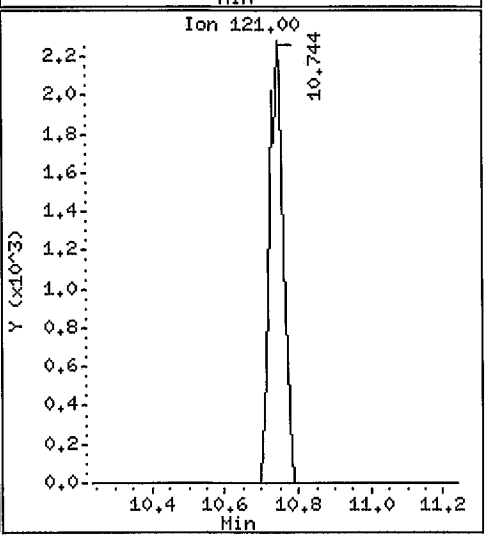












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

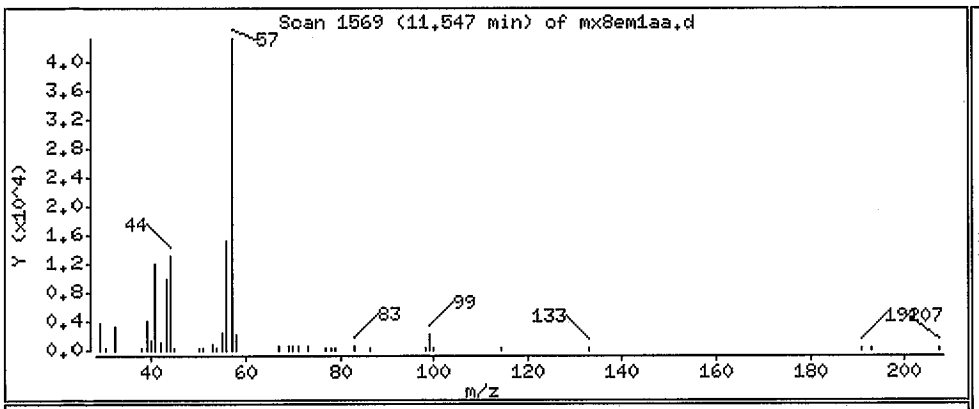
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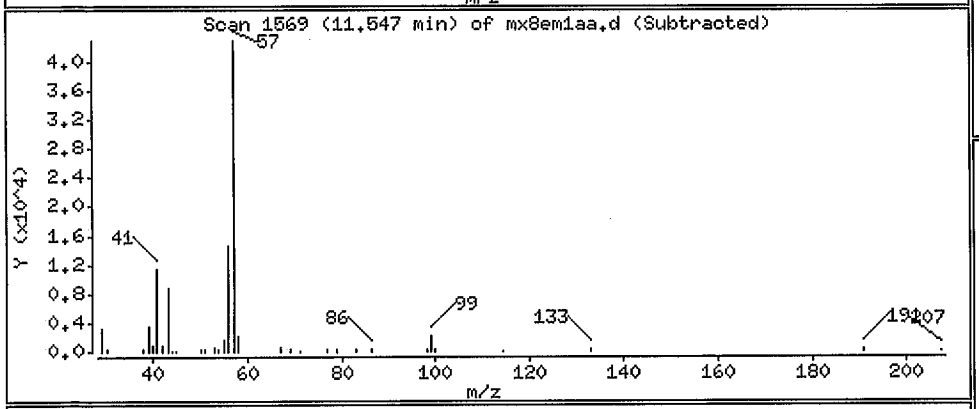
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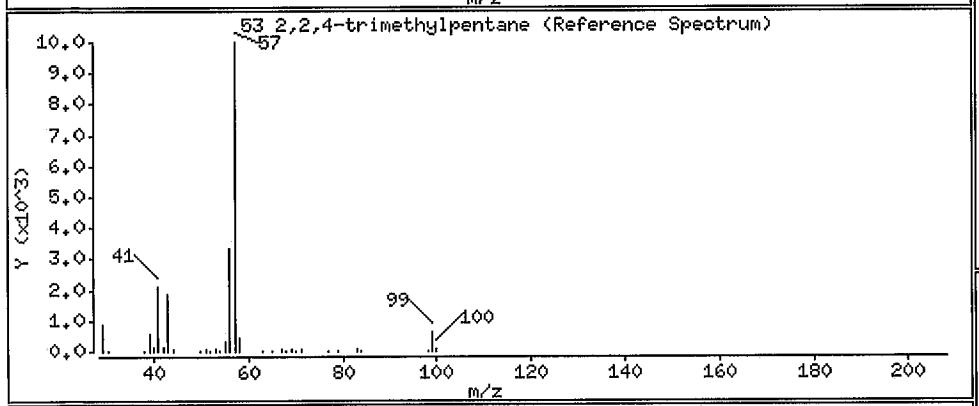
Purge Volume: 500.0 Operator: 403648

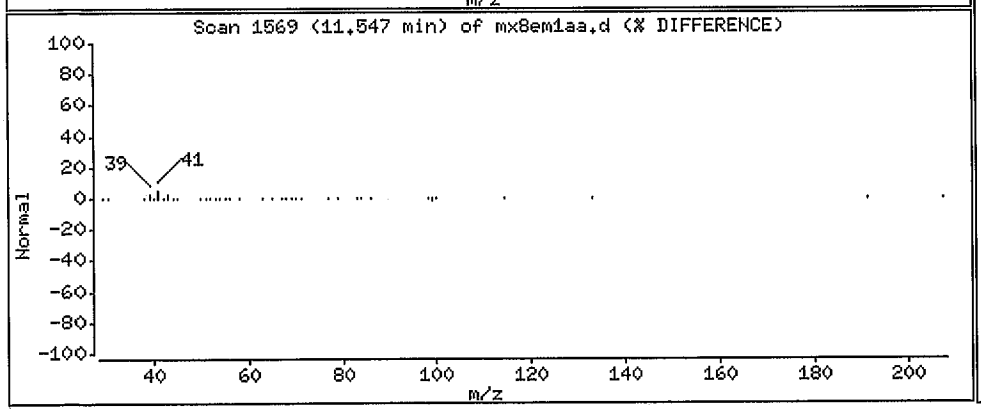
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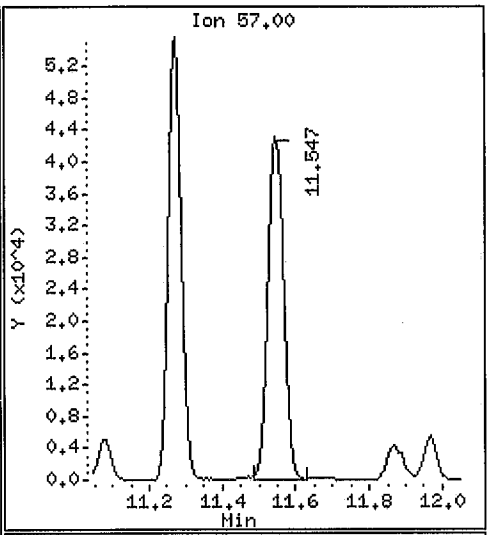
53 2,2,4-trimethylpentane Concentration: 0.2053 ppb(v/v)

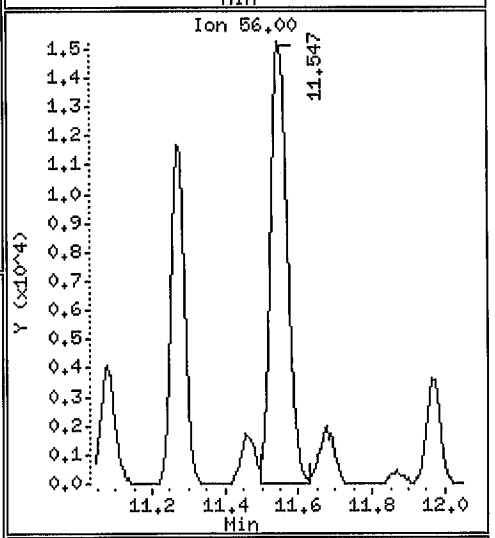


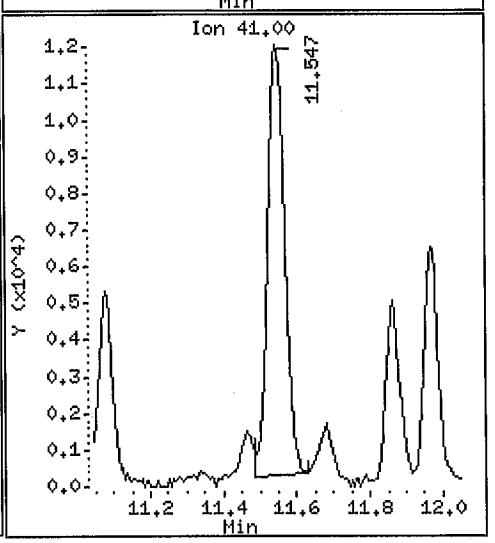












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

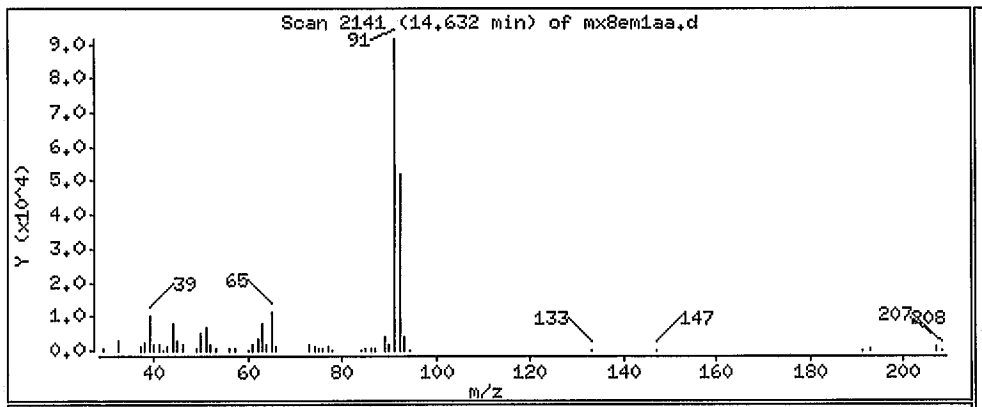
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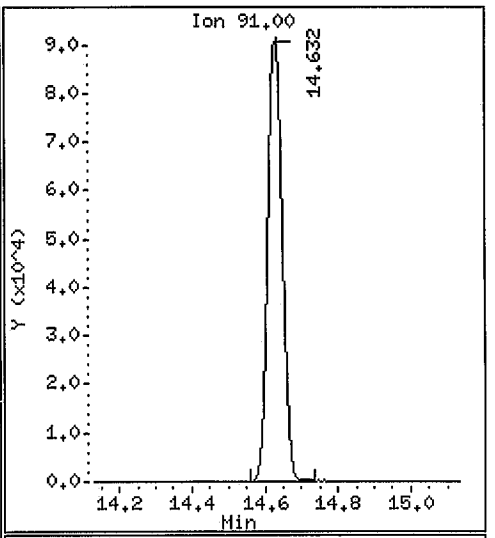
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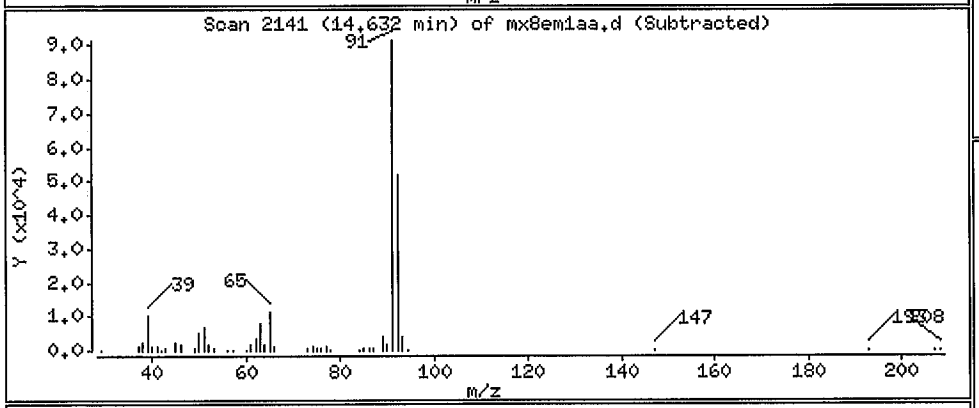
Purge Volume: 500.0 Operator: 403648

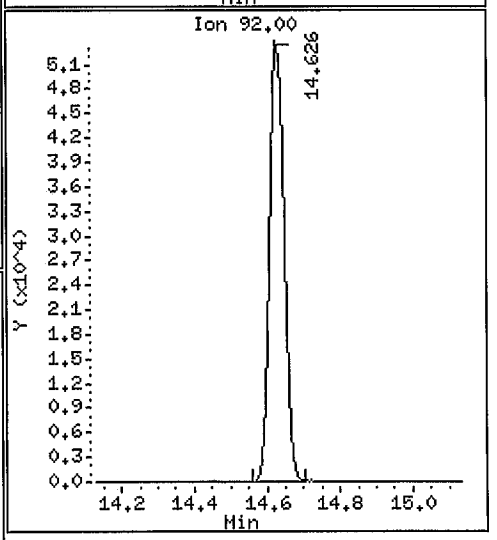
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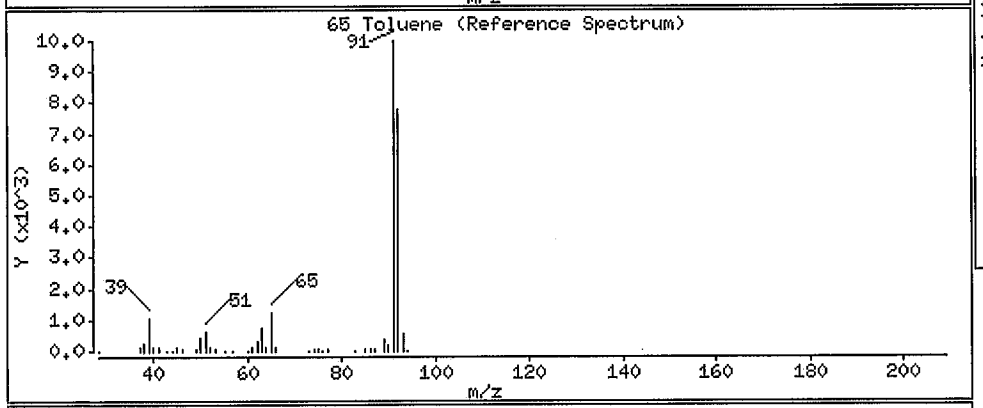
65 Toluene Concentration: 0.4805 ppb(v/v)

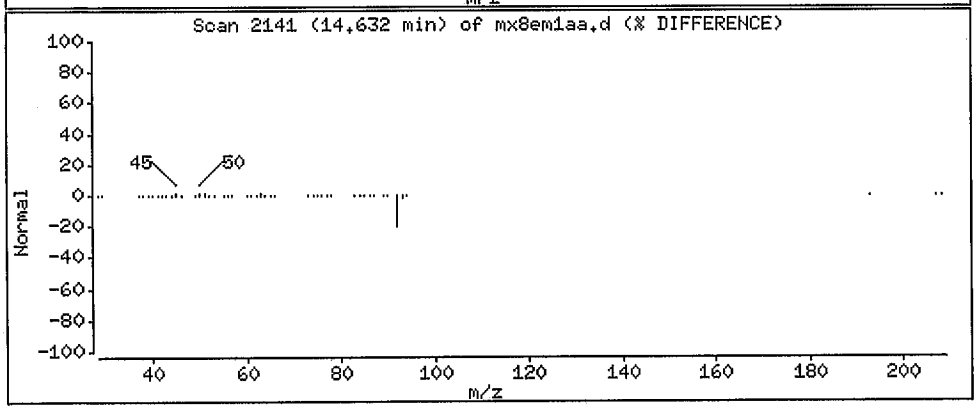












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

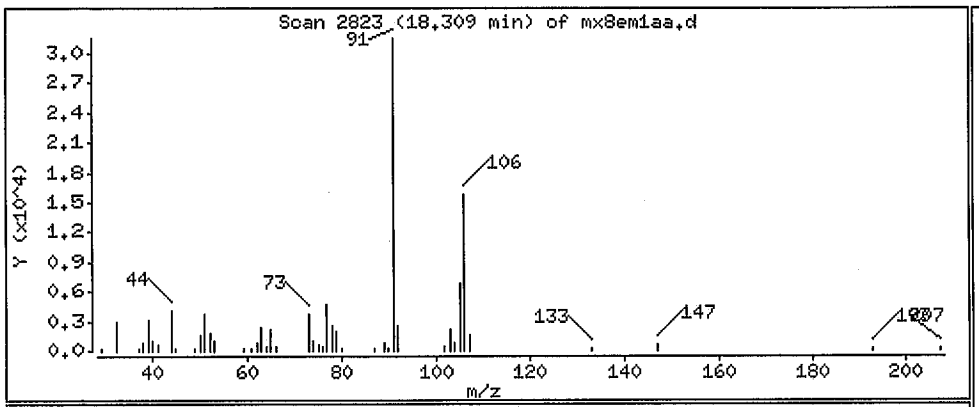
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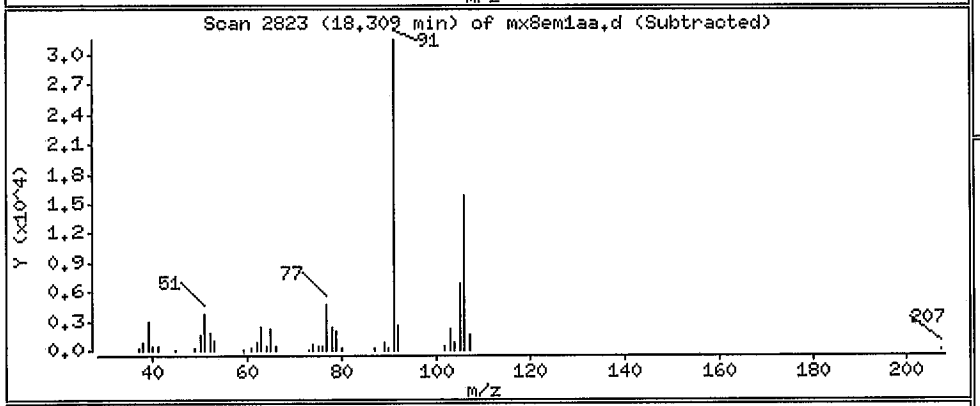
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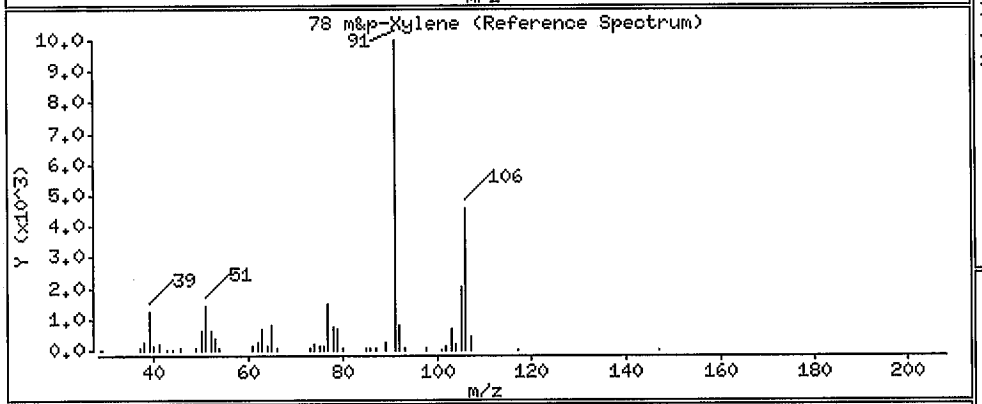
Purge Volume: 500.0 Operator: 403648

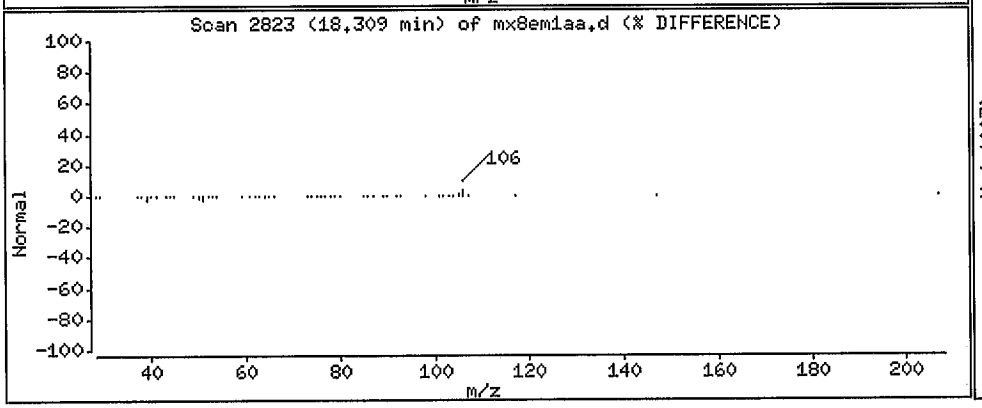
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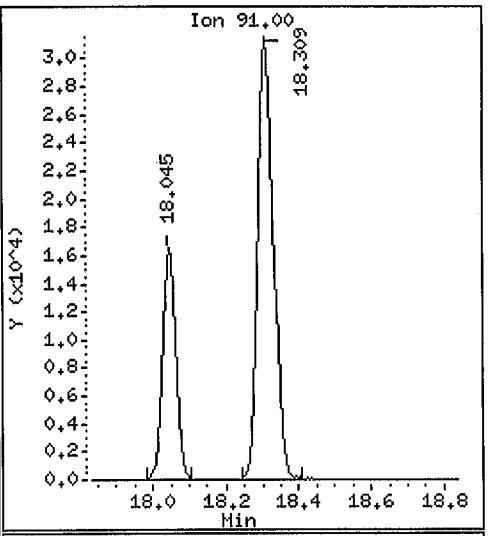
78 m&p-Xylene Concentration: 0.1995 ppb(v/v)

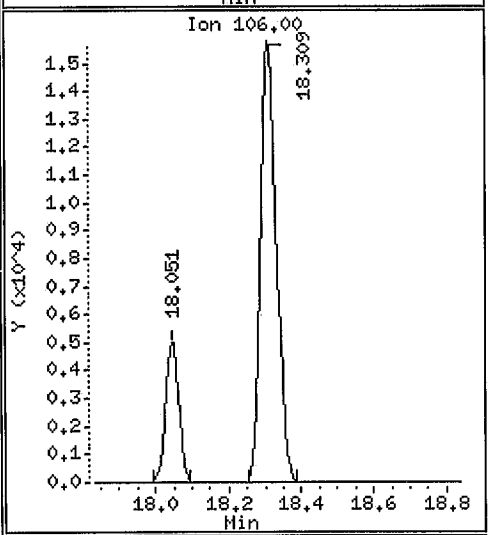


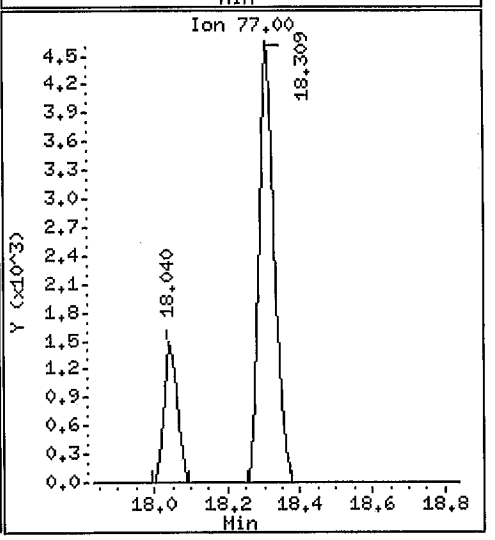












Data File: /var/chem/gcms/mr.i/R022813.b/mx8em1aa.d

Date : 01-MAR-2013 01:39

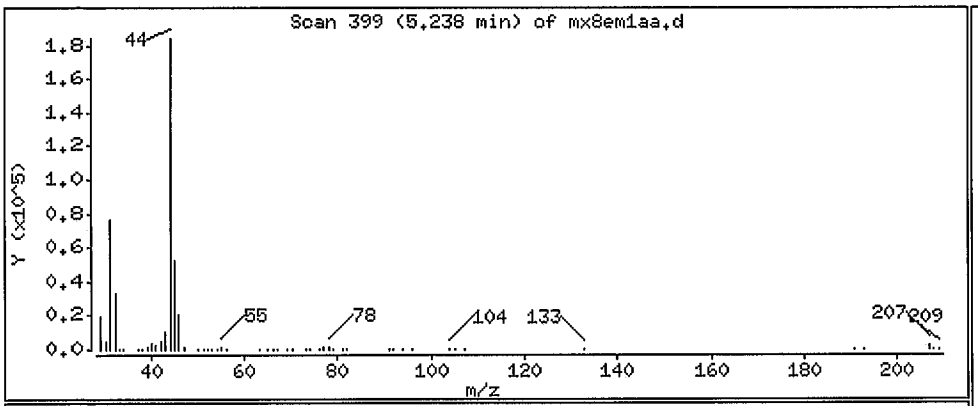
Client ID: 828076-OA-003B2-01 Instrument: mr.i

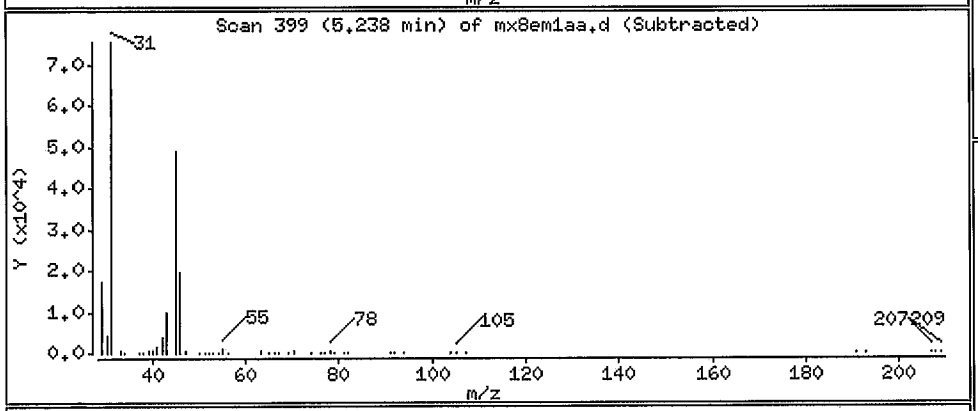
Sample Info: ,,0,,,

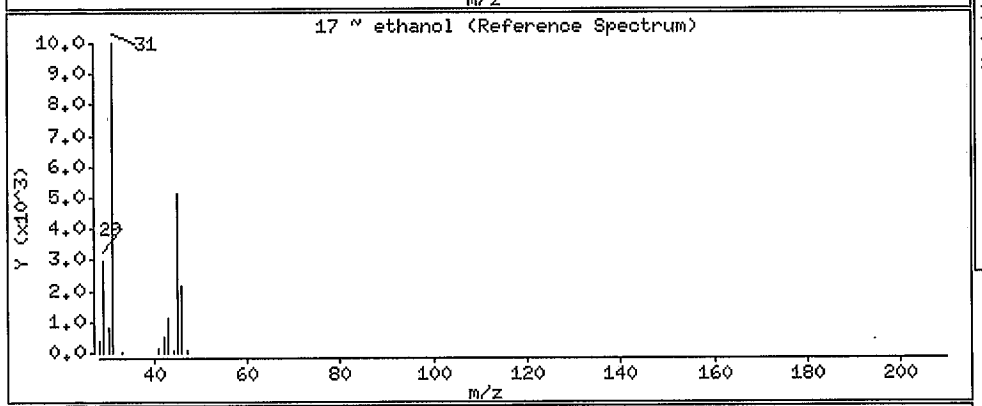
Purge Volume: 500.0 Operator: 403648

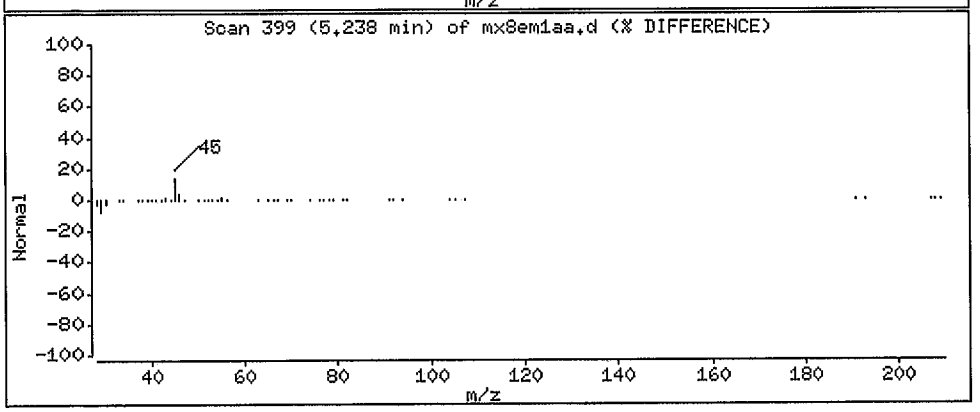
Column phase: Rtx-5 Column diameter: 0.32

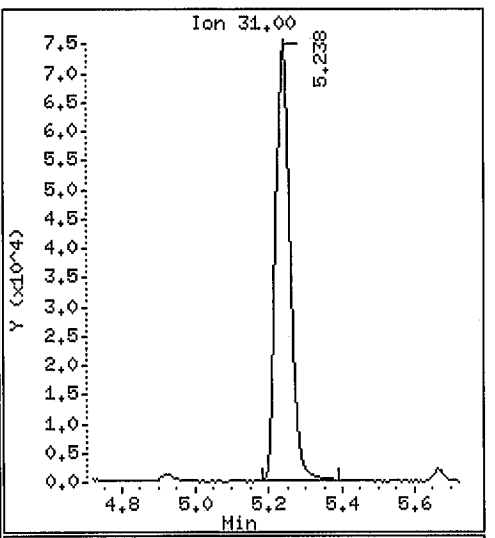
17 ^ ethanol Concentration: 5.096 ppb(v/v)

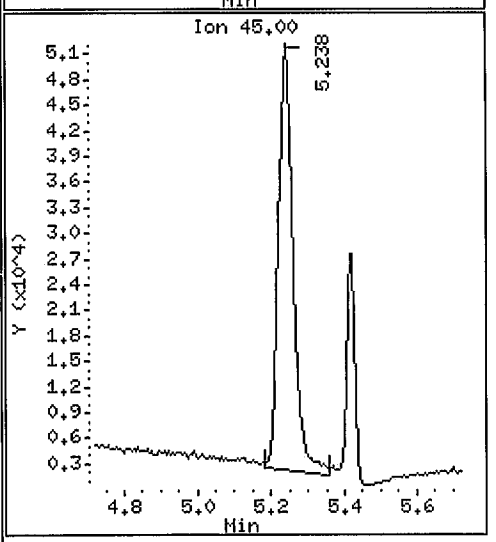












New York State D.E.C.

Client Sample ID: 828076-IA-003B3-04

GC/MS Volatiles

Lot-Sample # H3B280421 - 011 **Work Order #** MX8EP1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.37**	**0.32**	**1.1**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.22**	**0.080**	**0.71**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.098**	**0.040**	**0.62**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.088**	**0.080**	**0.43**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.61**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.43**	**0.080**	**2.1**	**0.40**
Ethanol	**35**	**0.80**	**66**	**1.5**
Ethylbenzene	**0.086**	**0.080**	**0.38**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.25**	**0.20**	**0.89**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B3-04

GC/MS Volatiles

Lot-Sample # H3B280421 - 011 **Work Order #** MX8EP1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.64**	**0.080**	**2.4**	**0.30**
m-Xylene & p-Xylene	**0.26**	**0.080**	**1.1**	**0.35**
o-Xylene	**0.088**	**0.080**	**0.38**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.080**	**0.040**	**0.43**	**0.21**
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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/mr.i/R022813.b/mx8ep1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d
Lab Smp Id: MX8EP1AA Client Smp ID: 828076-IA-003B3-04
Inj Date : 01-MAR-2013 02:32
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.094	9.088	(1.000)	276885	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1440227	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1201423	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	879110	4.17941	4.179
	7 Dichlorodifluoromethane	85	4.235	4.241	(0.466)	124073	0.43002	0.4300
	8 Chloromethane	52	4.413	4.419	(0.485)	21686	0.61488	0.6149
	20 Trichlorofluoromethane	101	5.670	5.675	(0.623)	71584	0.25536	0.2554
	33 Carbon Disulfide	76	6.824	6.824	(0.750)	8916	0.02799	0.02799
	40 Hexane	56	8.420	8.414	(0.926)	24113	0.25346	0.2535
	39 2-Butanone	72	8.360	8.344	(0.919)	20507	0.36888	0.3689
	43 Chloroform	83	9.115	9.105	(1.002)	19595	0.08828	0.08828
	48 Benzene	78	10.706	10.706	(0.950)	80647	0.22122	0.2212
	50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	18450	0.09797	0.09797
	54 Heptane	71	11.968	11.968	(1.062)	20292	0.15863	0.1586
	56 Trichloroethene	130	12.065	12.070	(1.070)	12986	0.08008	0.08008
	65 Toluene	91	14.632	14.632	(0.837)	317151	0.63623	0.6362

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d
Report Date: 01-Mar-2013 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
76 Ethylbenzene	91	18.045	18.067	(1.032)	54102	0.08643	0.08642
78 m&p-Xylene	91	18.315	18.336	(1.048)	123551	0.25567	0.2557
82 o-Xylene	91	19.178	19.194	(1.097)	43974	0.08820	0.08820
17 ~ ethanol	31	5.233	5.222	(0.575)	1330723	35.0426	35.04

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8ep1aa.d
Lab Smp Id: MX8EP1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B3-04
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	276885	-36.69
2 1,4-Difluorobenze	2178721	1296339	3061103	1440227	-33.90
3 Chlorobenzene-d5	1632809	971521	2294097	1201423	-26.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8ep1aa.d
Report Date: 01-Mar-2013 11:07

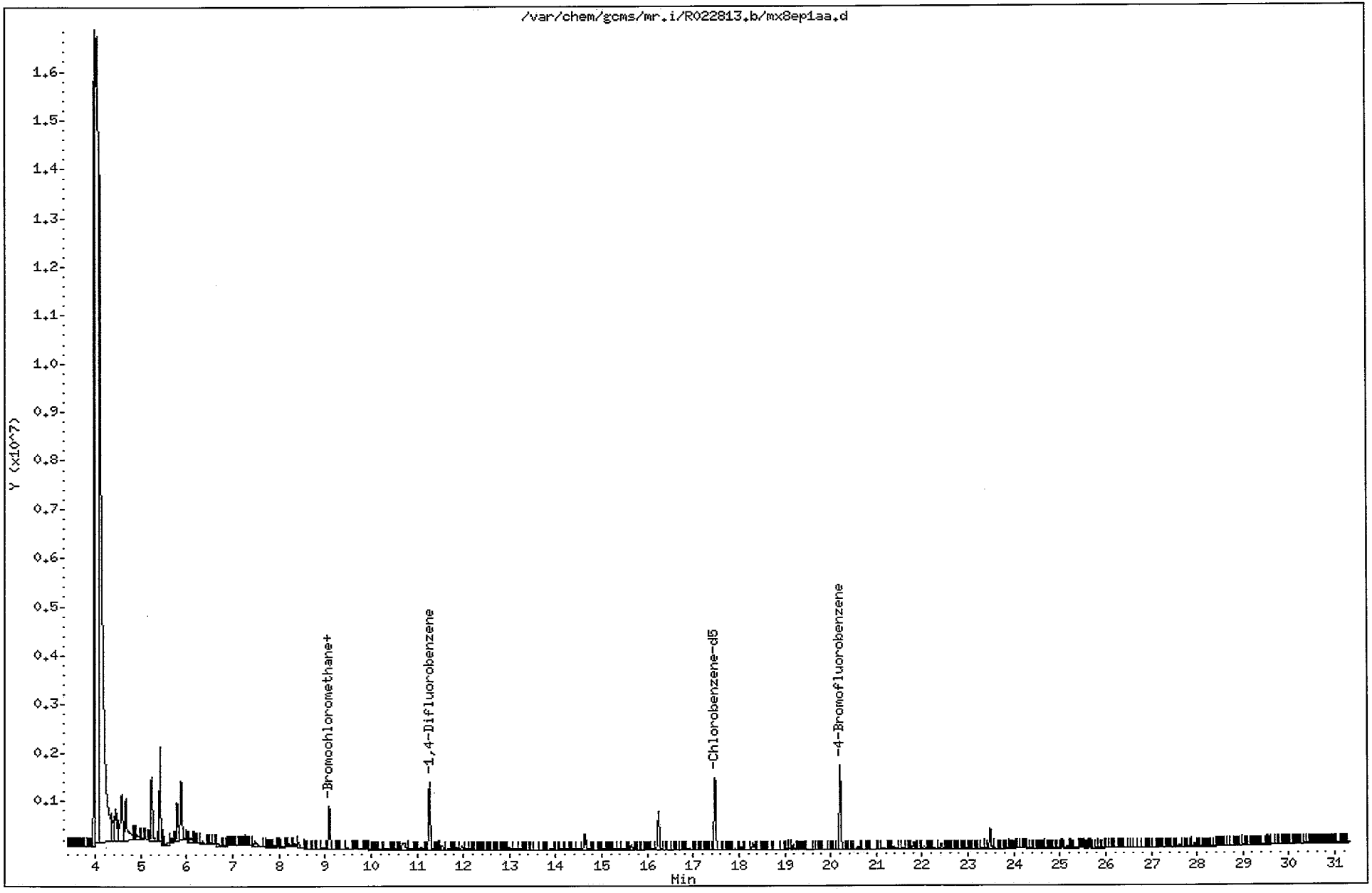
TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EP1AA Client Smp ID: 828076-IA-003B3-04
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.179	104.49	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d
Date : 01-MAR-2013 02:32
Client ID: 828076-IA-003B3-04
Instrument: mr.i
Sample Info: ,,0,,,
Purge Volume: 500.0
Operator: 403648
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

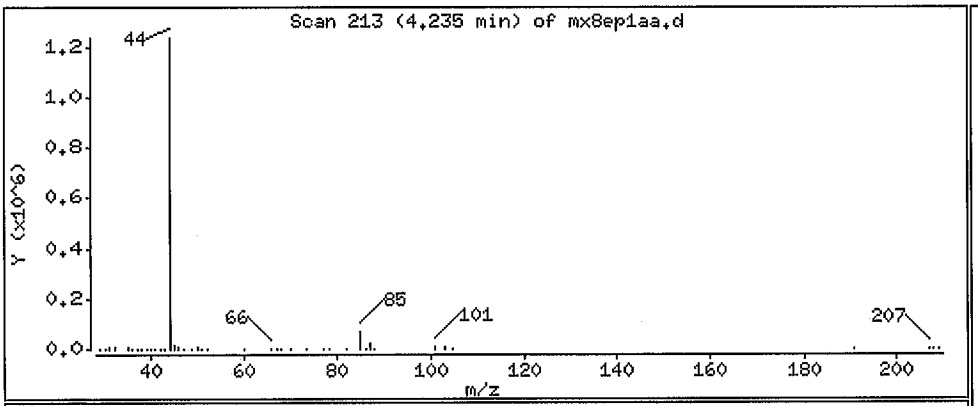
Client ID: 828076-IA-003B3-04 Instrument: mr.i

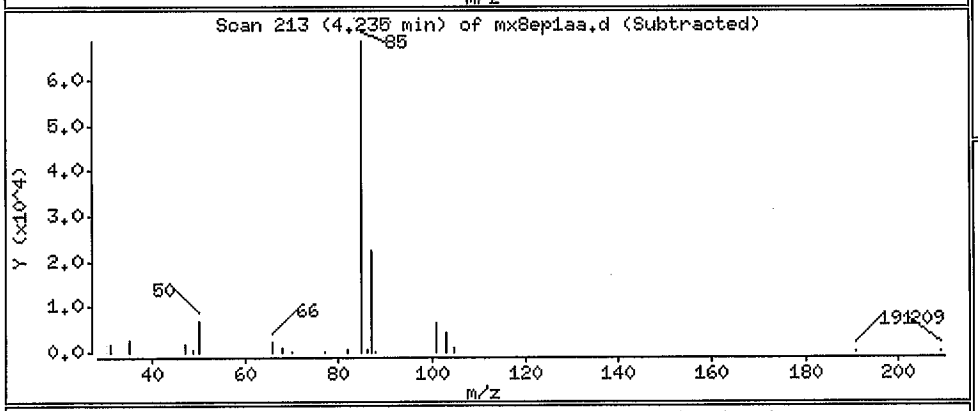
Sample Info: ,,0,,,

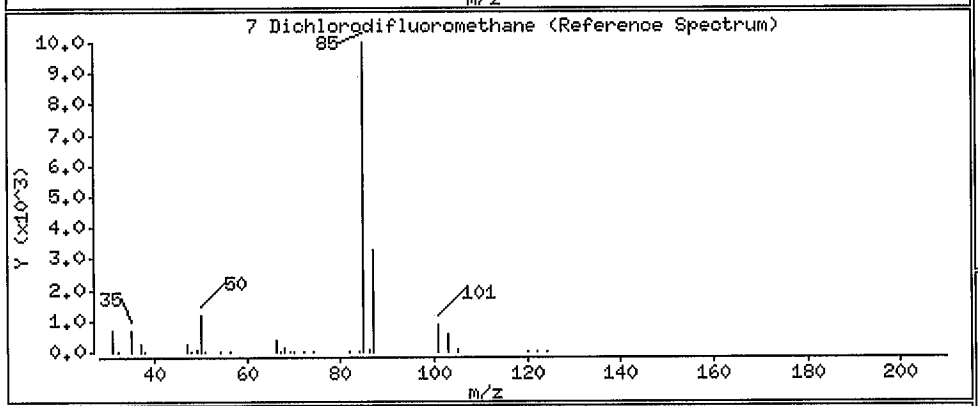
Purge Volume: 500.0 Operator: 403648

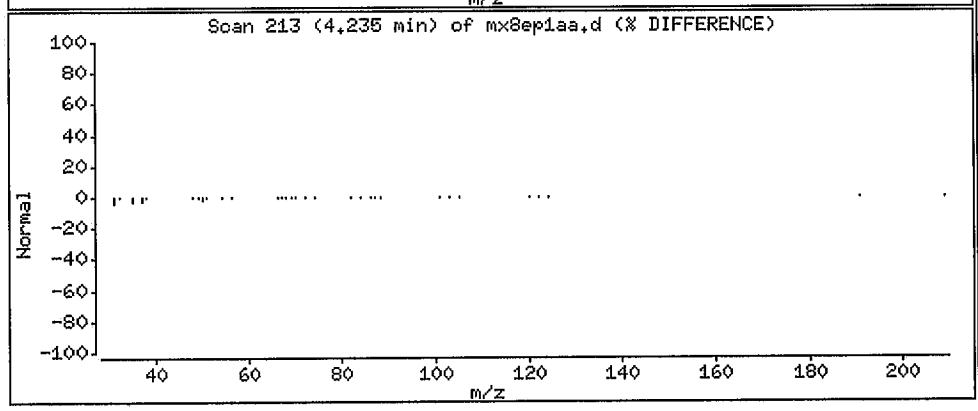
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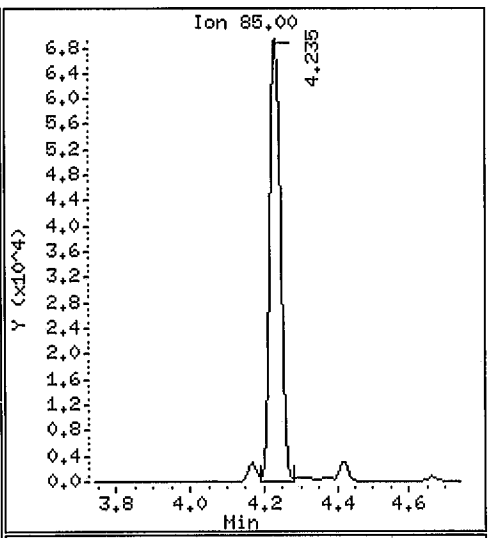
7 Dichlorodifluoromethane Concentration: 0.4300 ppb(v/v)

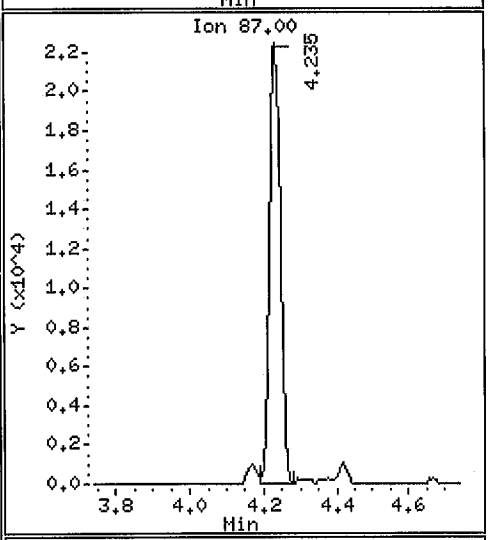


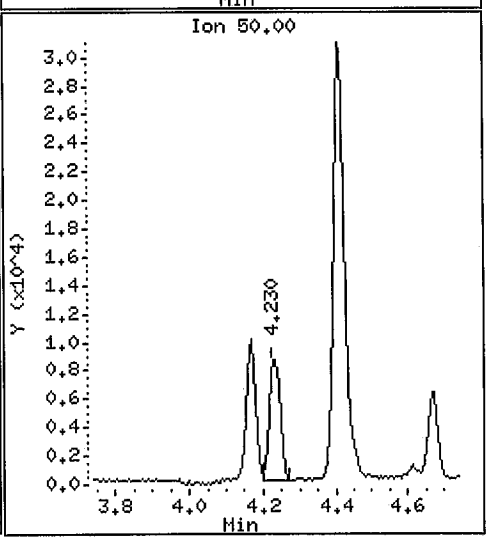












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

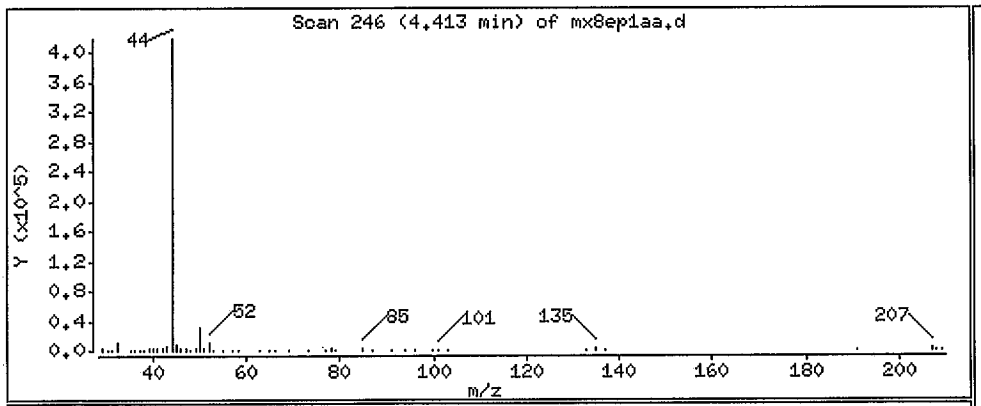
Client ID: 828076-IA-003B3-04 Instrument: mr.i

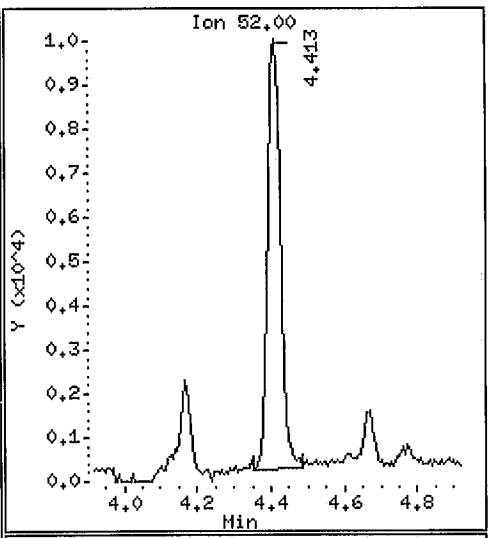
Sample Info: ,,0,,,

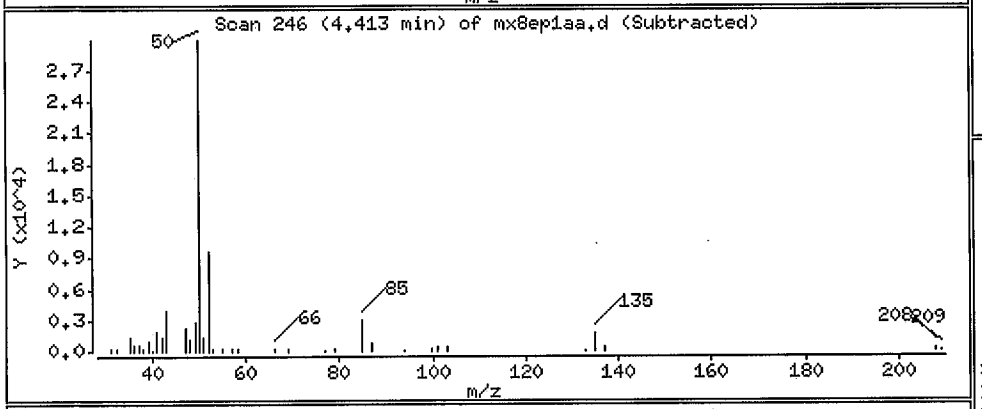
Purge Volume: 500.0 Operator: 403648

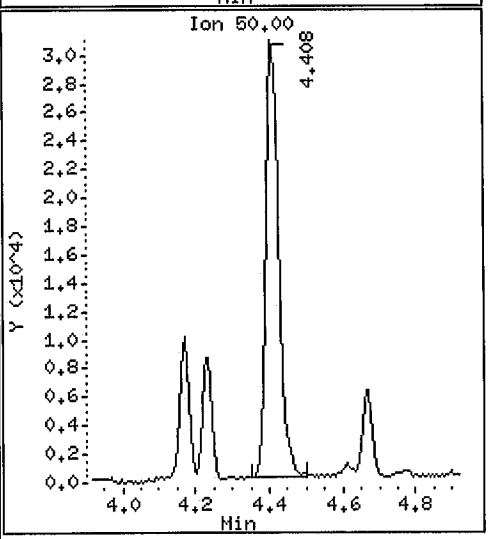
Column phase: Rtx-5 Column diameter: 0.32

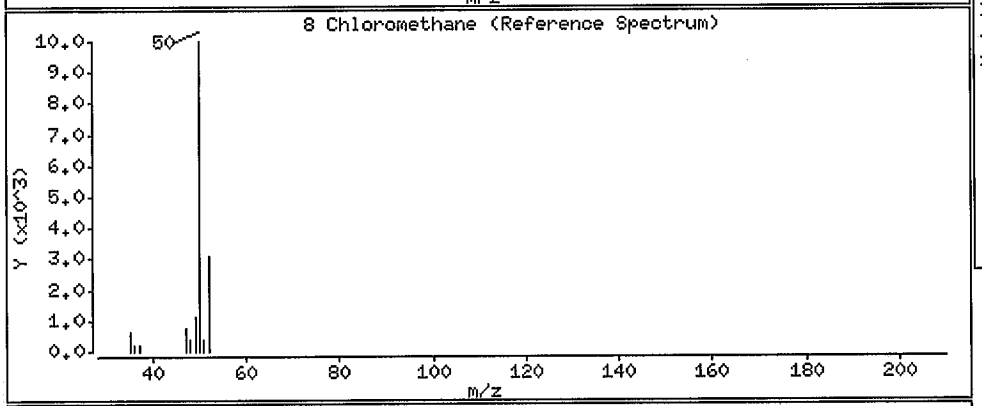
8 Chloromethane Concentration: 0.6149 ppb(v/v)

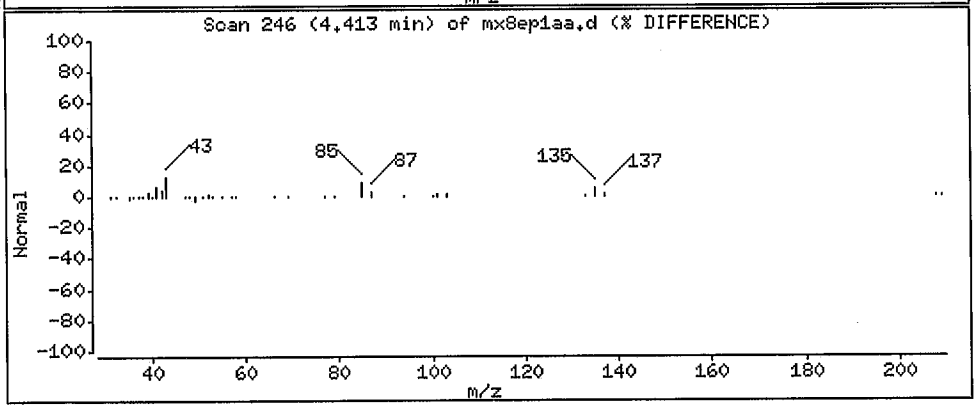












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

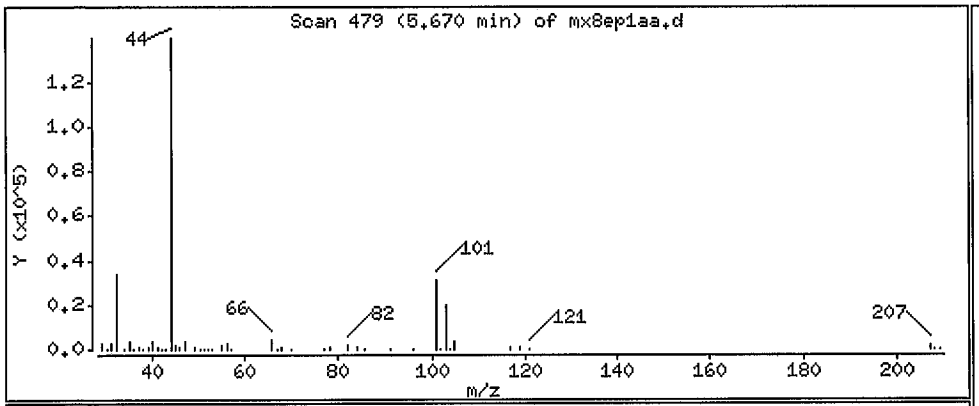
Client ID: 828076-IA-003B3-04 Instrument: mr.i

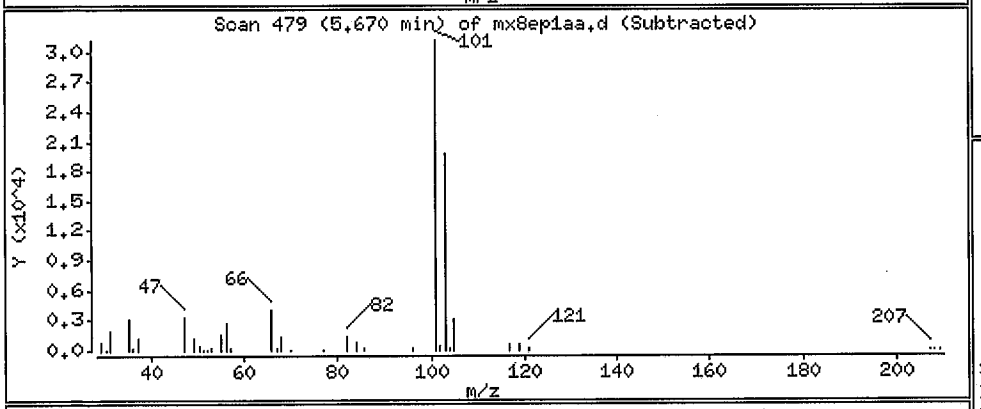
Sample Info: ,,0,,,

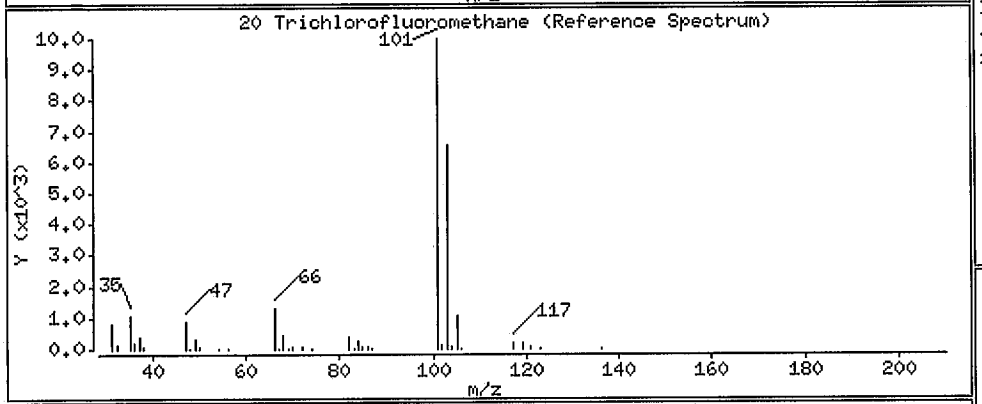
Purge Volume: 500.0 Operator: 403648

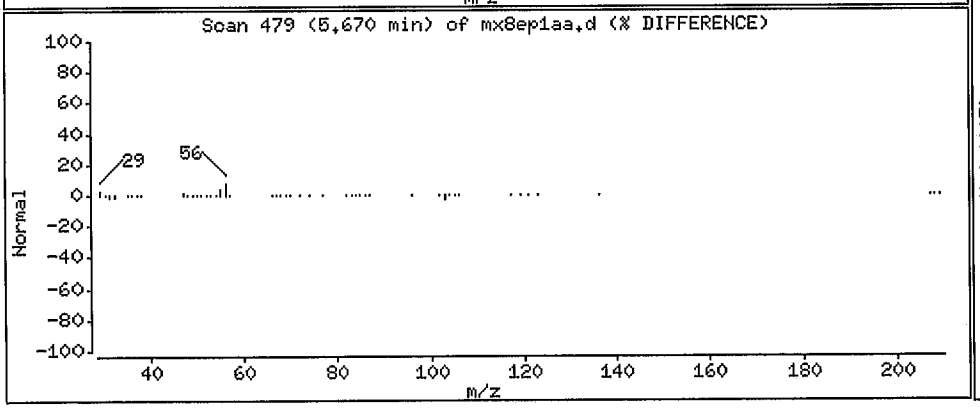
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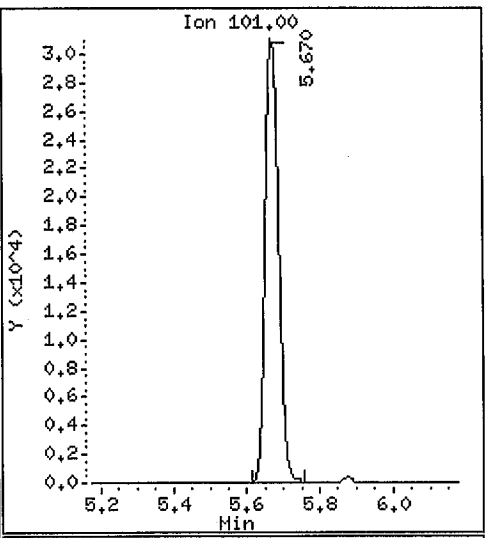
20 Trichlorofluoromethane Concentration: 0.2554 ppb(v/v)

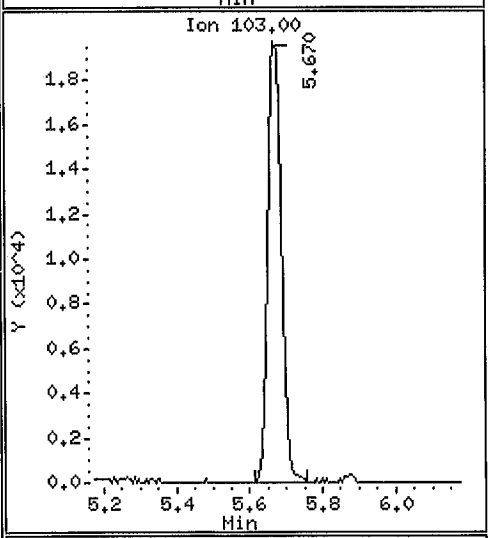


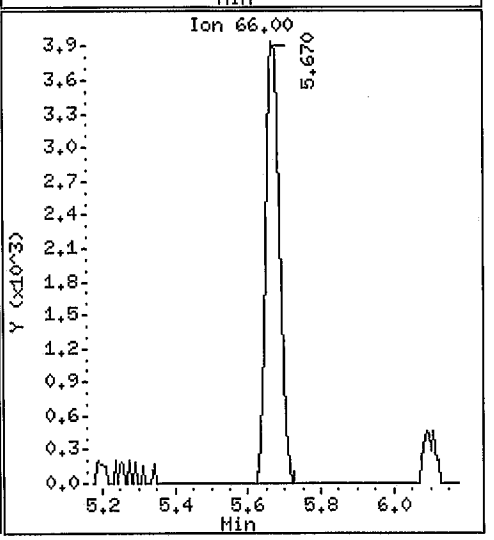












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

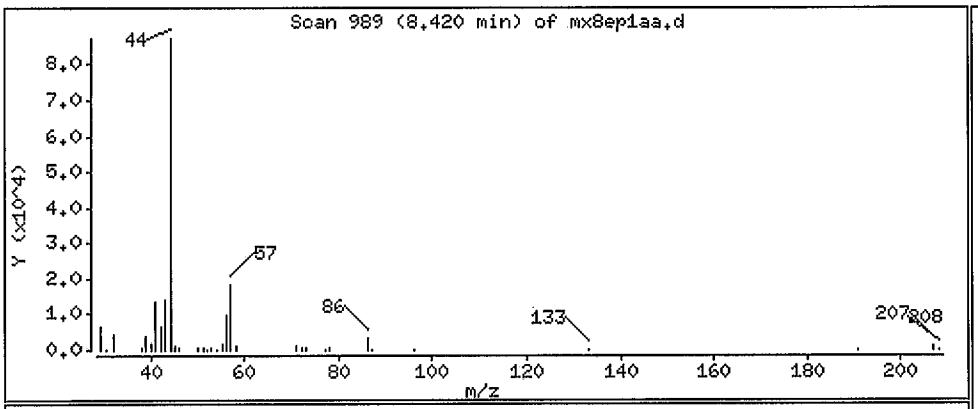
Client ID: 828076-IA-003B3-04 Instrument: mr.i

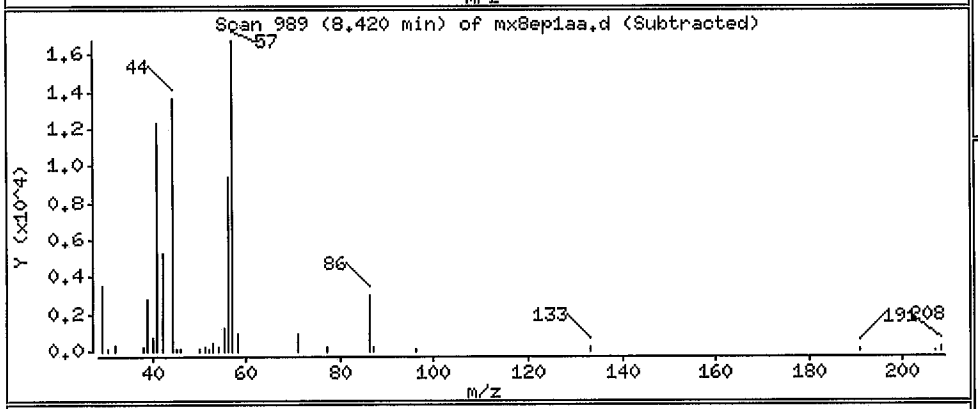
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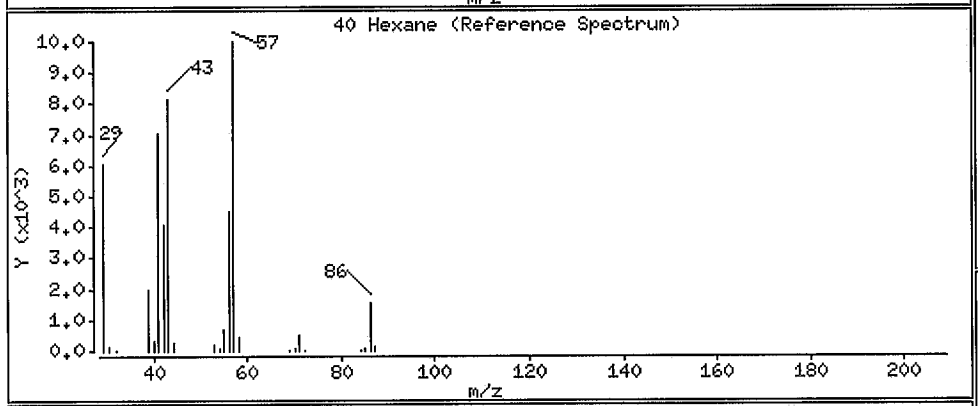
Purge Volume: 500.0 Operator: 403648

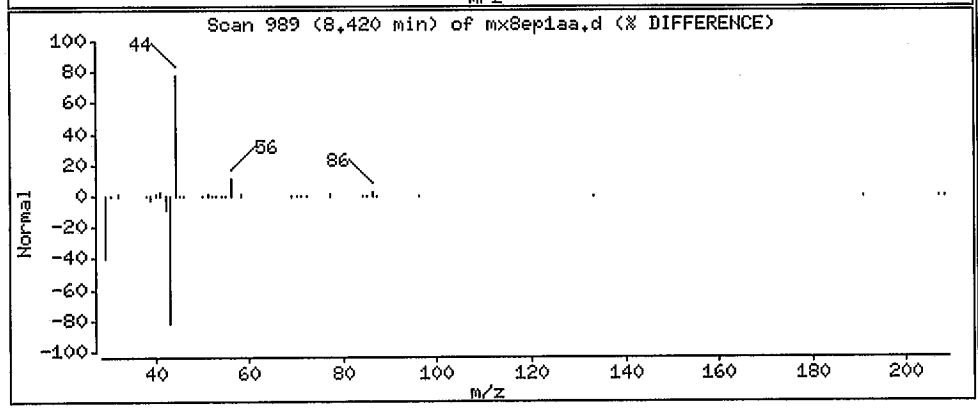
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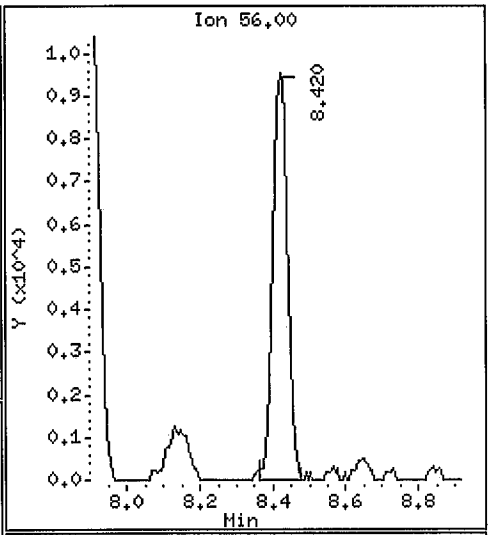
40 Hexane Concentration: 0.2535 ppb(v/v)

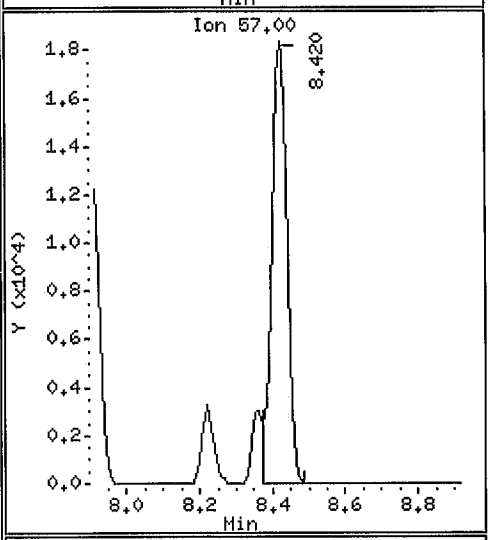


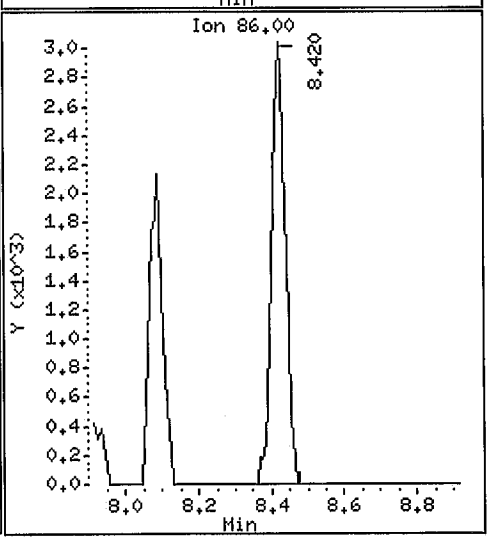












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

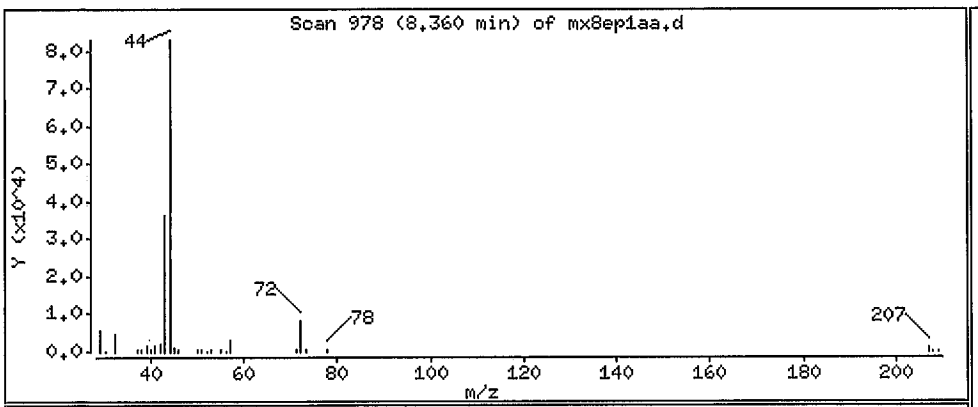
Client ID: 828076-IA-003B3-04 Instrument: mr.i

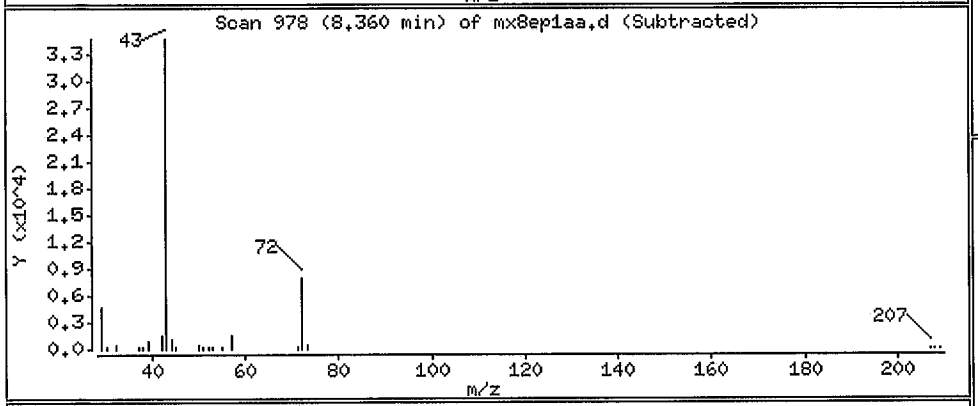
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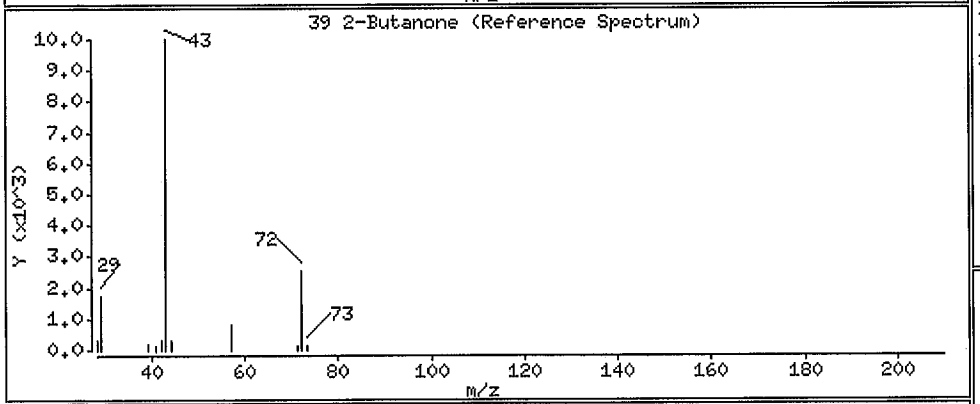
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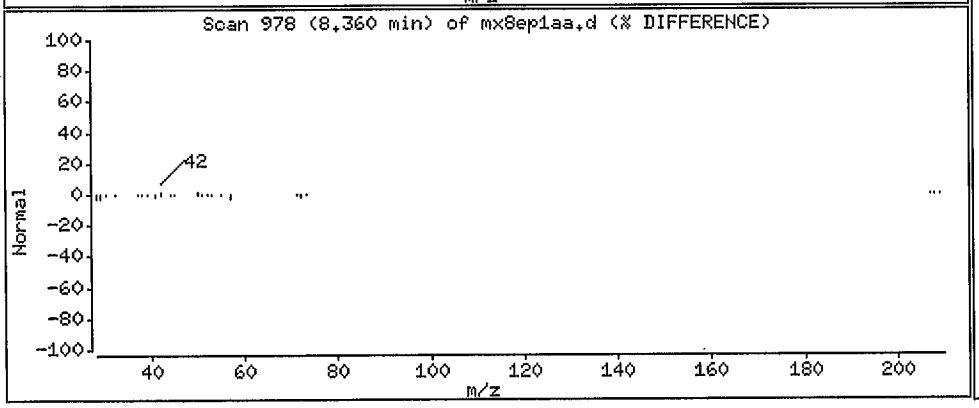
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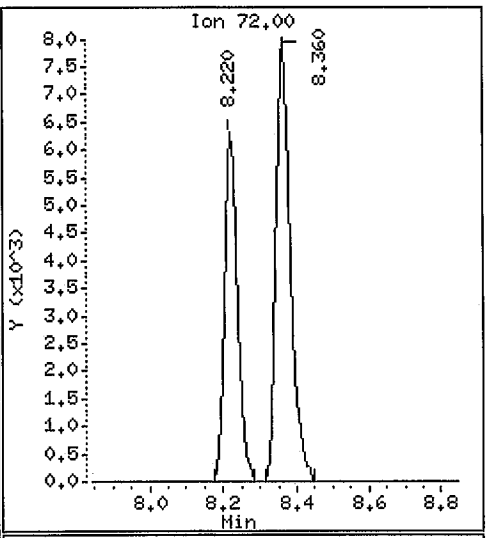
39 2-Butanone Concentration: 0.3689 ppb(v/v)

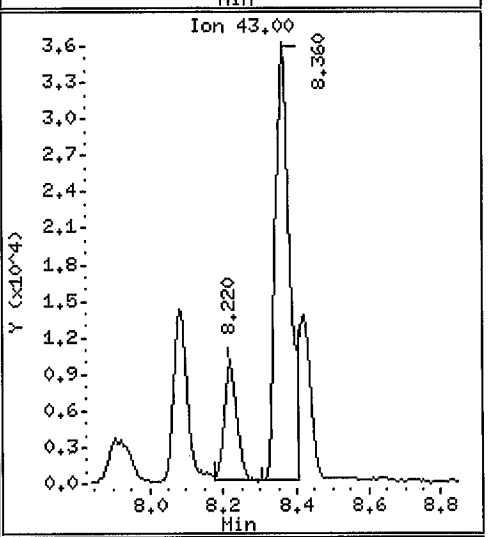


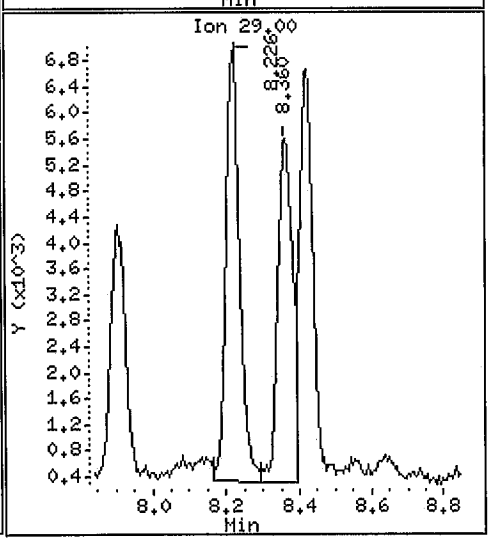












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

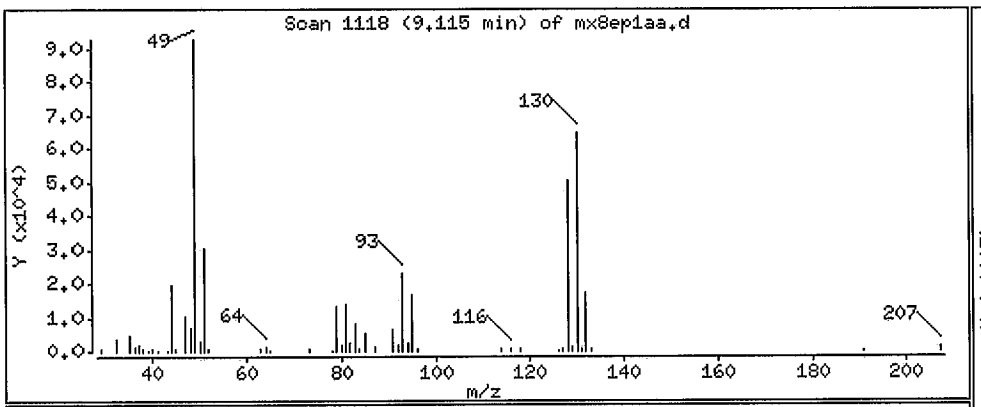
Client ID: 828076-IA-003B3-04 Instrument: mr.i

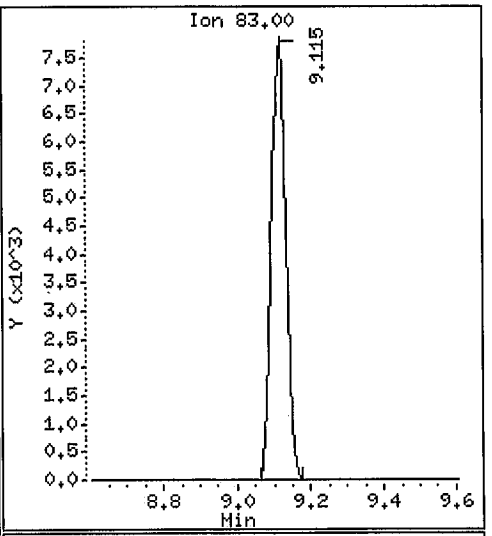
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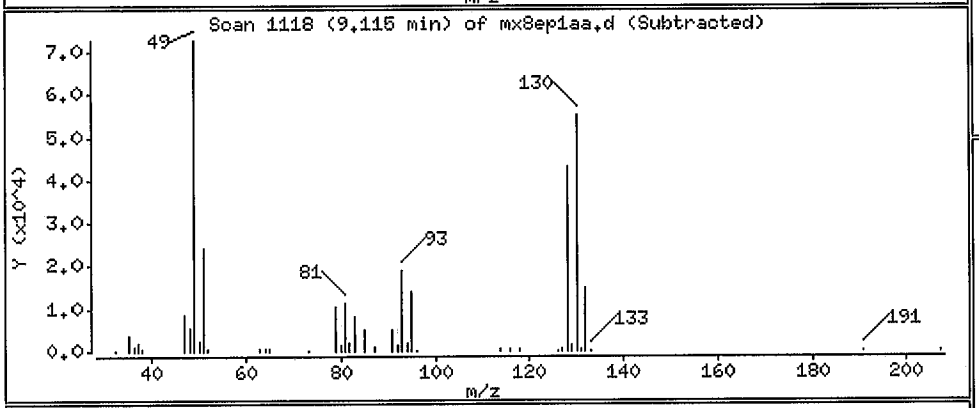
Purge Volume: 500.0 Operator: 403648

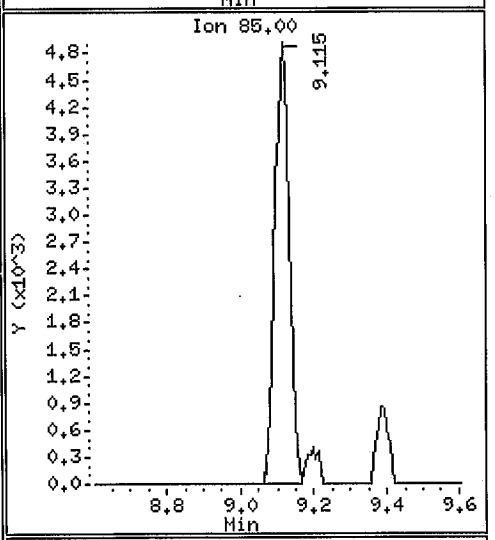
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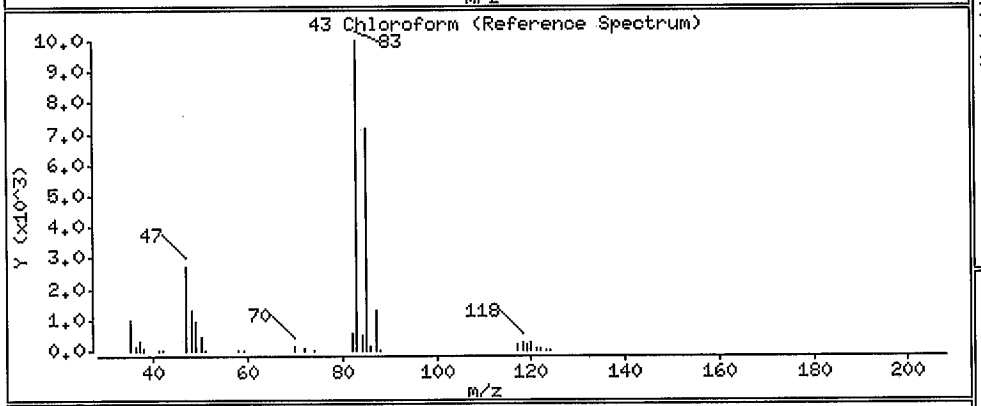
43 Chloroform Concentration: 0.08828 ppb(v/v)

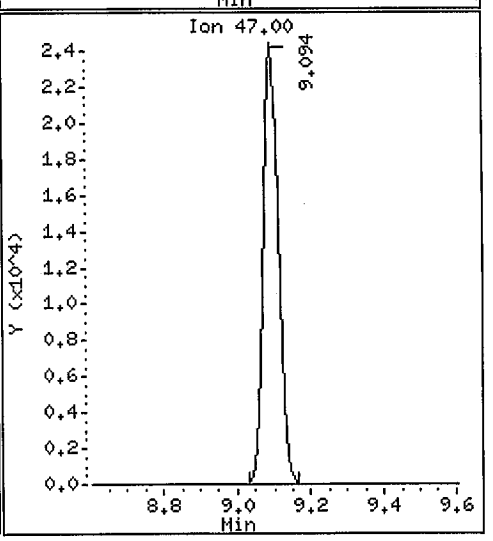


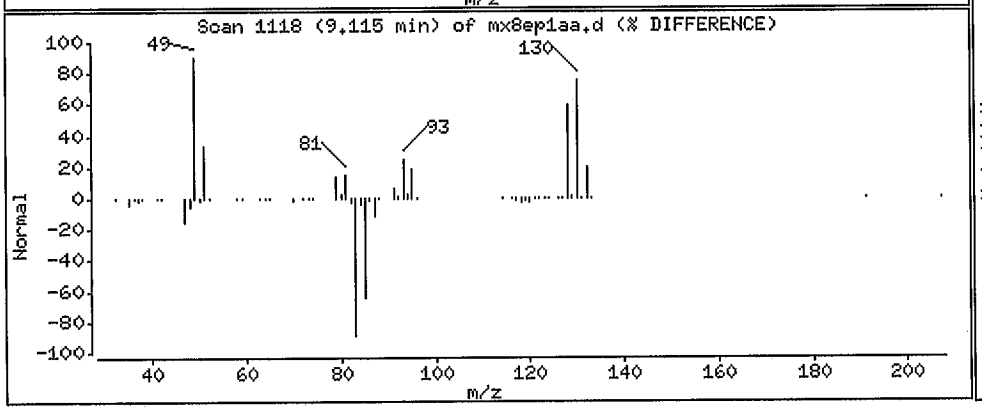












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

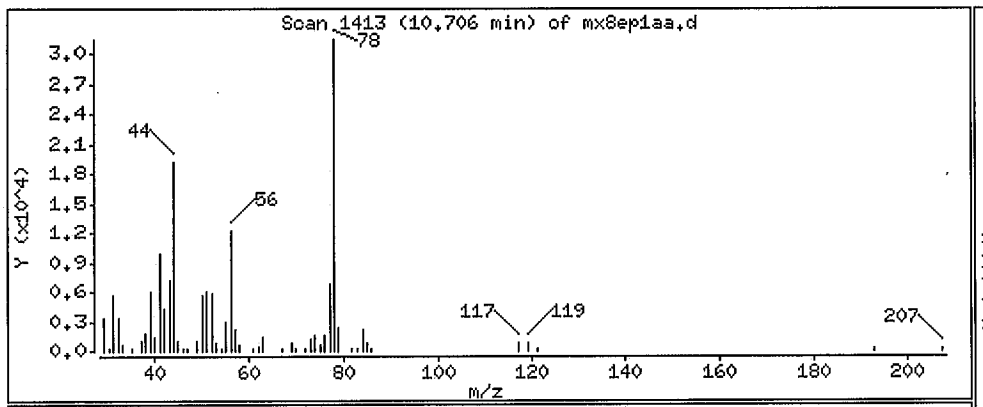
Client ID: 828076-IA-003B3-04 Instrument: mr.i

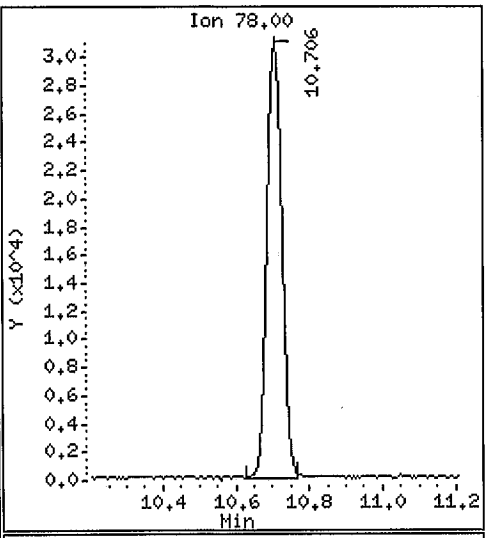
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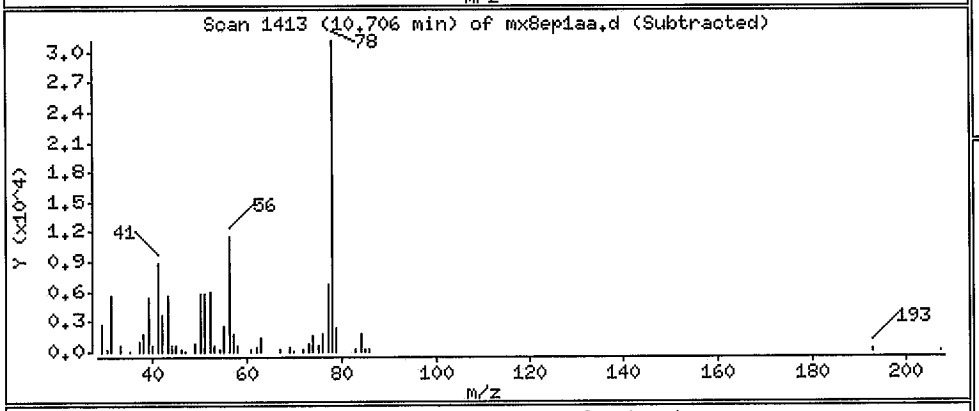
Purge Volume: 500.0 Operator: 403648

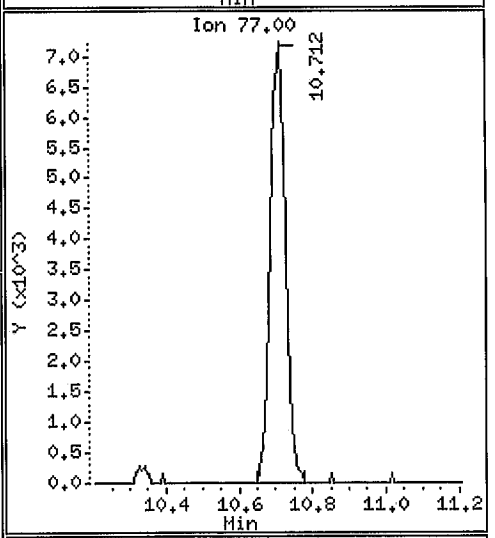
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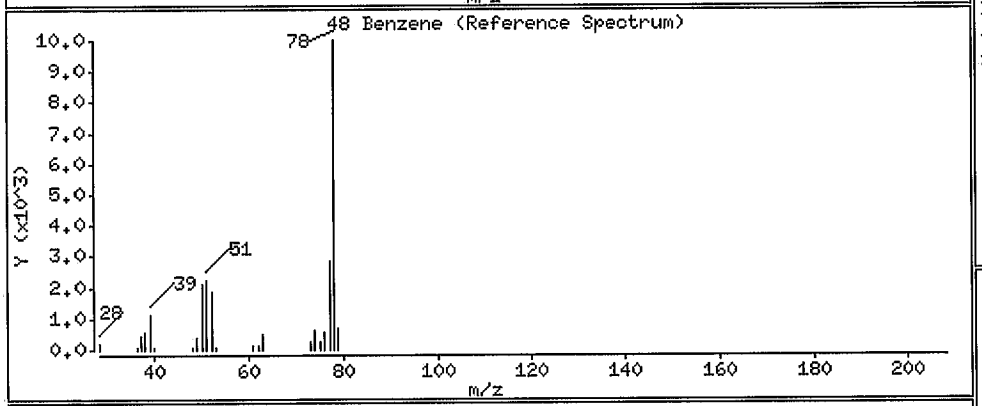
48 Benzene Concentration: 0.2212 ppb(v/v)

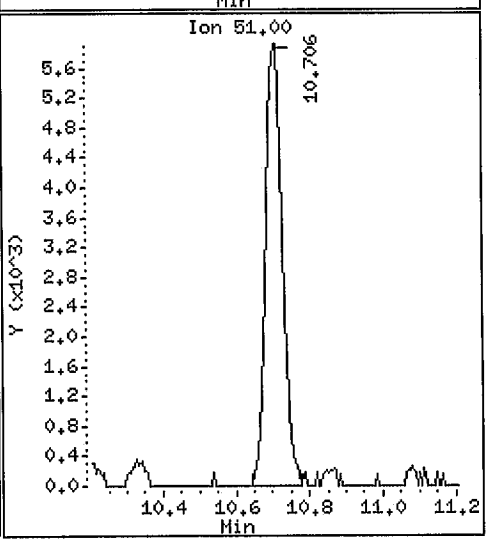


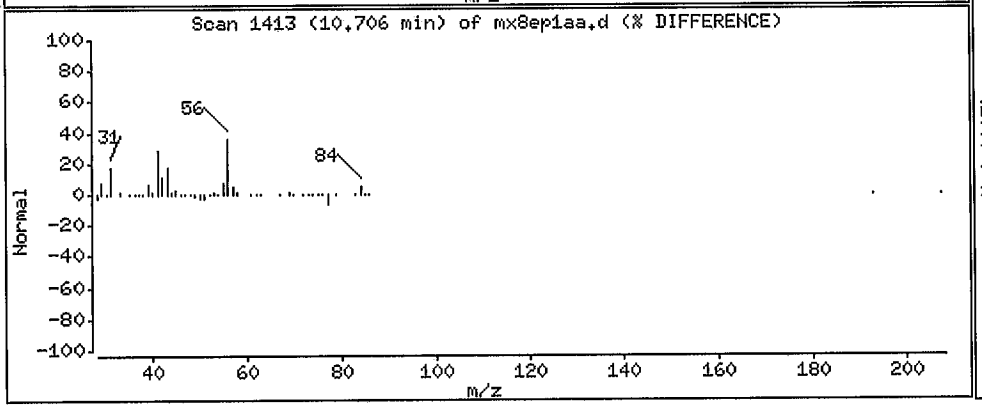












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

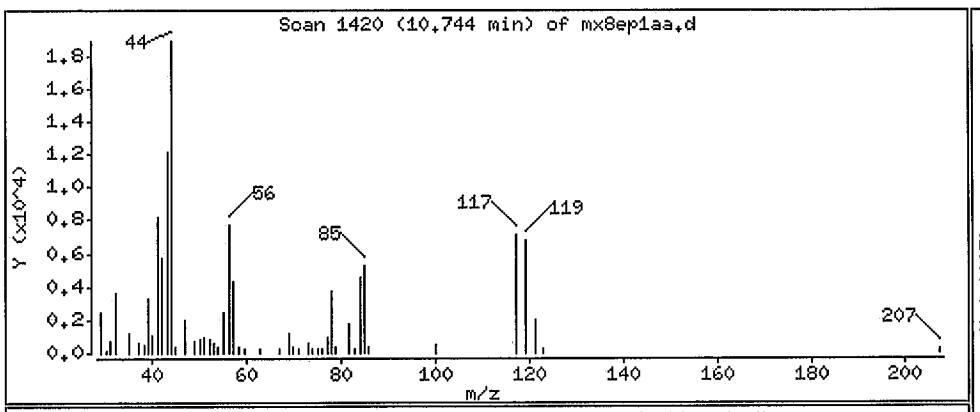
Client ID: 828076-IA-003B3-04 Instrument: mr.i

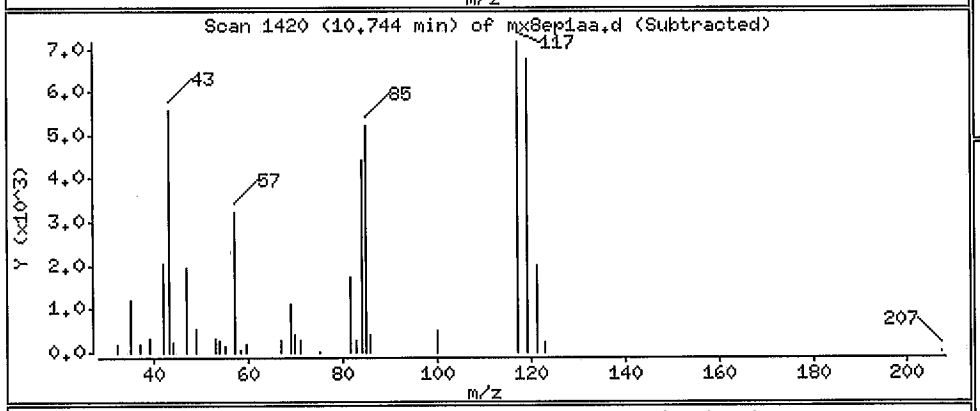
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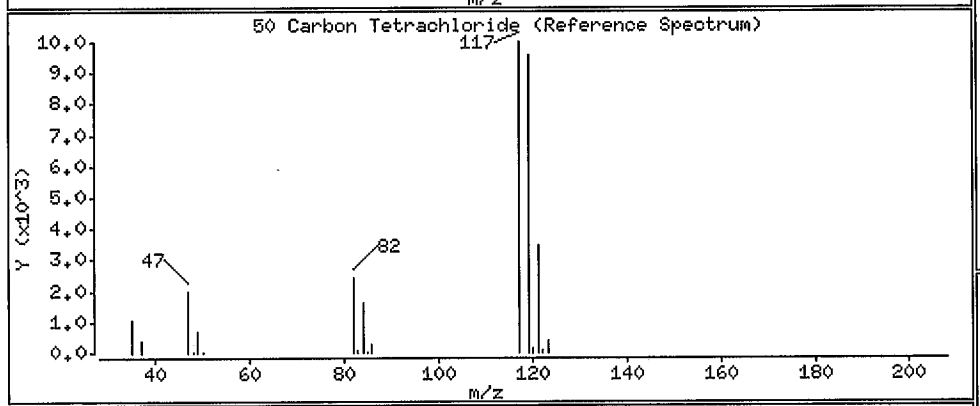
Purge Volume: 500.0 Operator: 403648

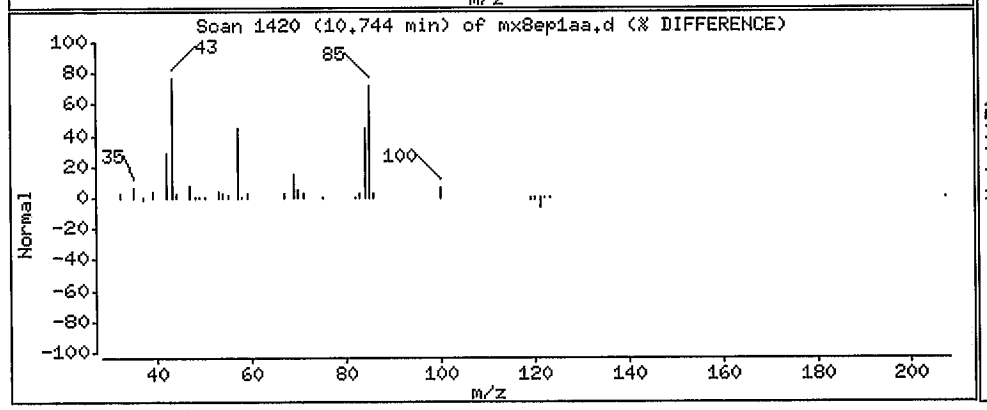
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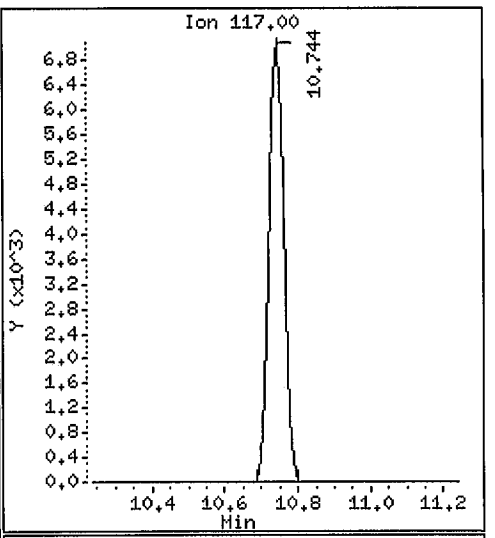
50 Carbon Tetrachloride Concentration: 0.09797 ppb(v/v)

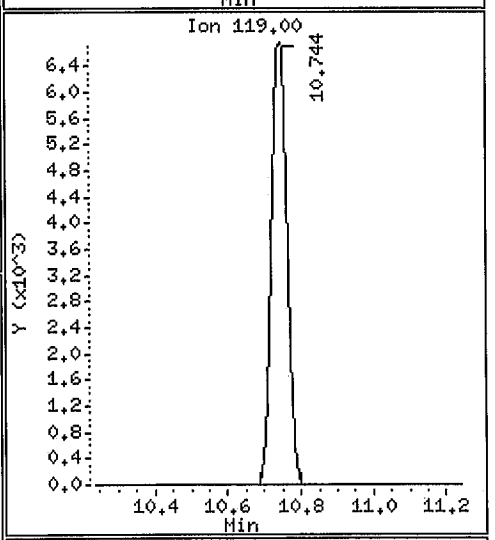


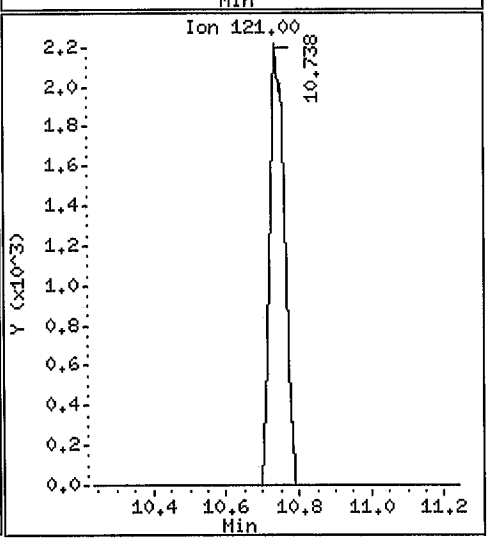












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

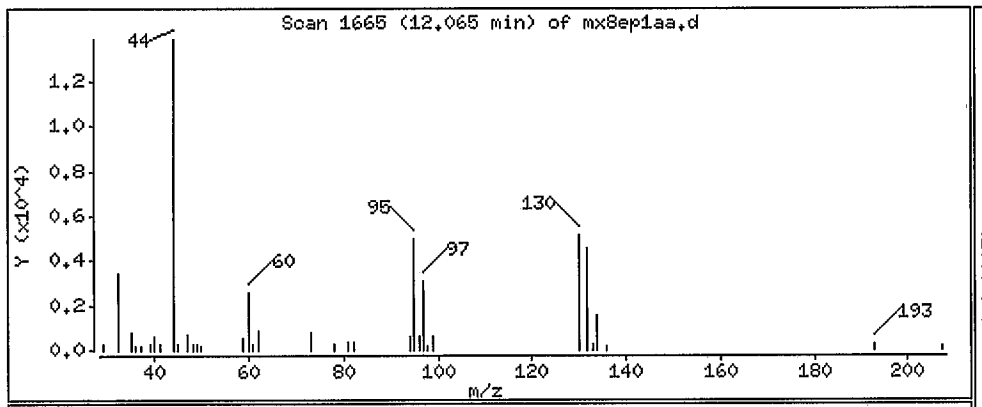
Client ID: 828076-IA-003B3-04 Instrument: mr.i

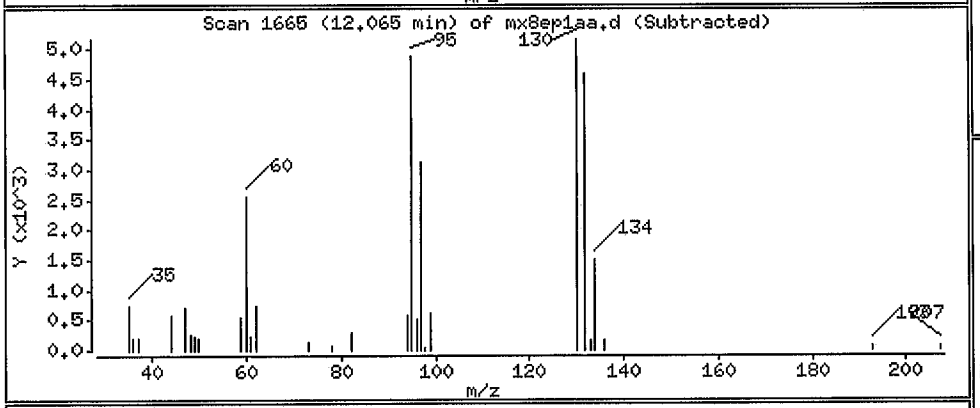
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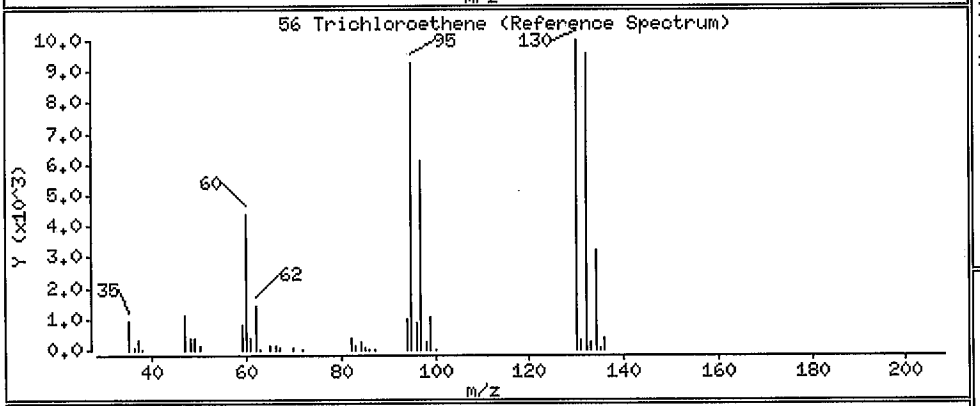
Purge Volume: 500.0 Operator: 403648

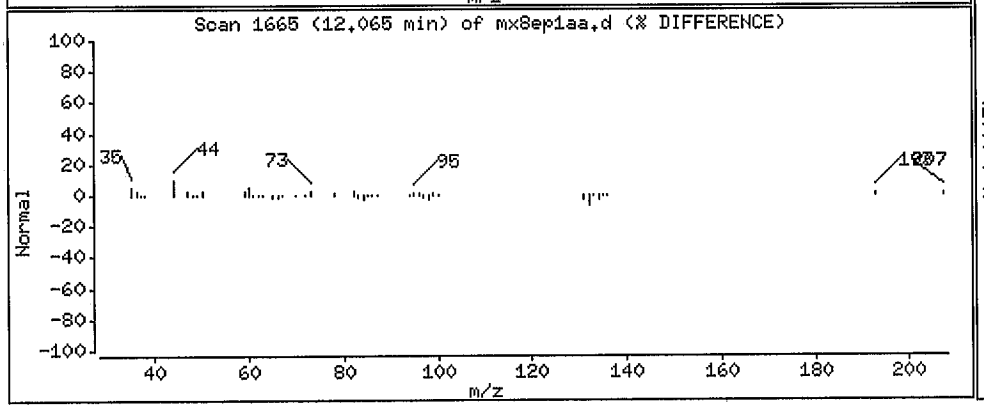
Column phase: Rtx-5 Column diameter: 0.32

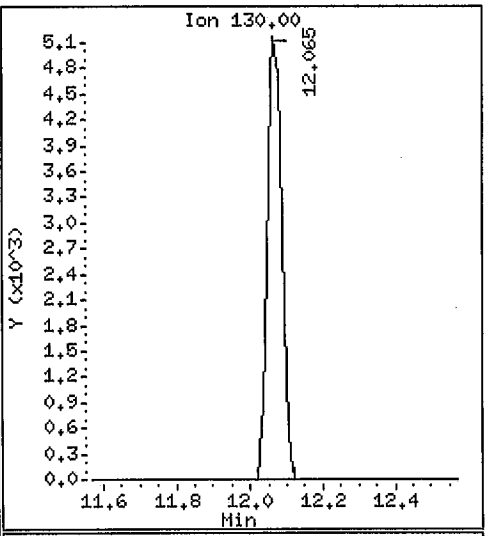
56 Trichloroethene Concentration: 0.08008 ppb(v/v)

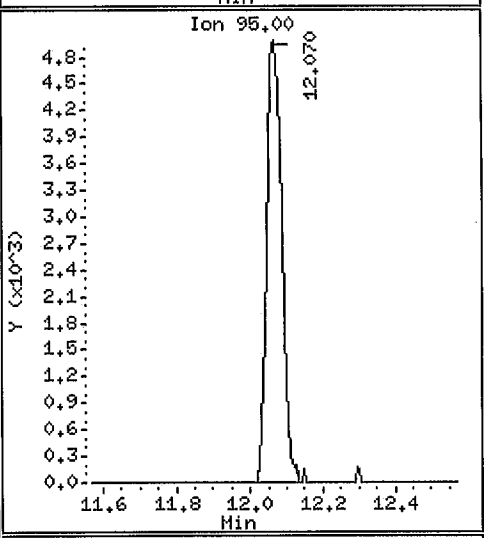


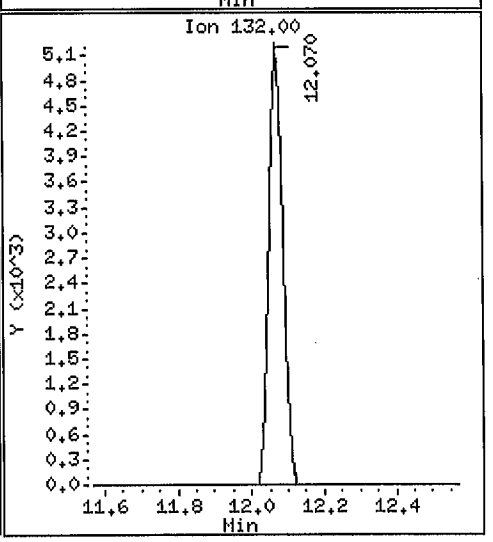












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

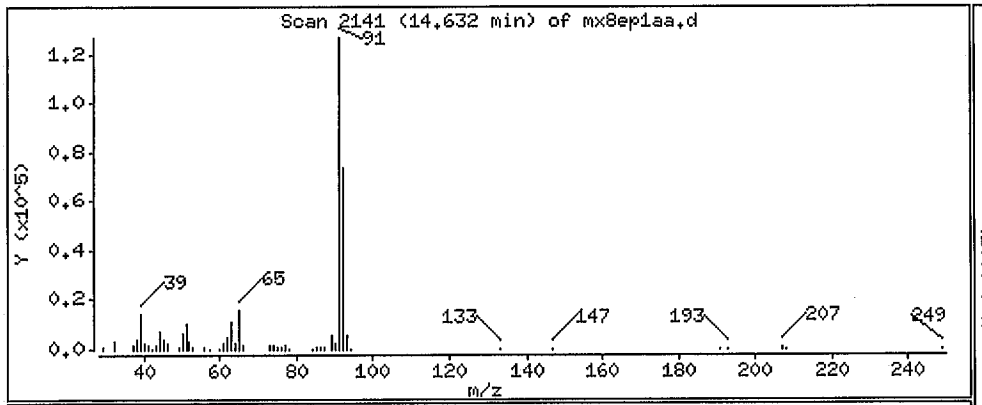
Client ID: 828076-IA-003B3-04 Instrument: mr.i

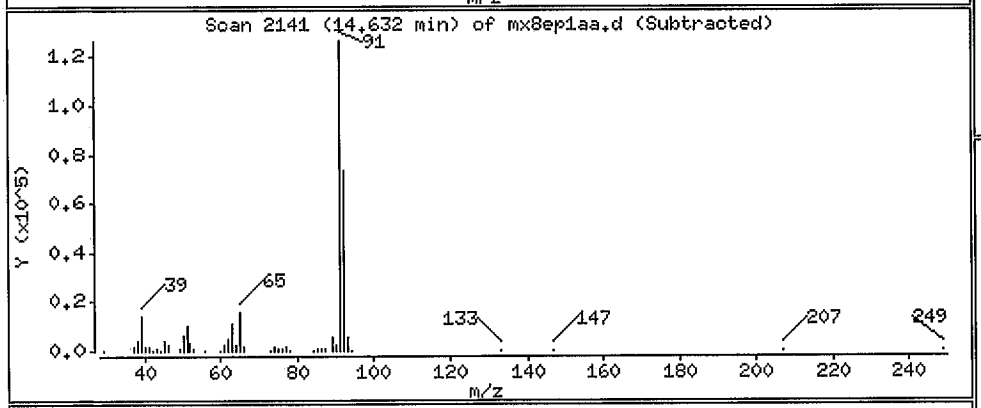
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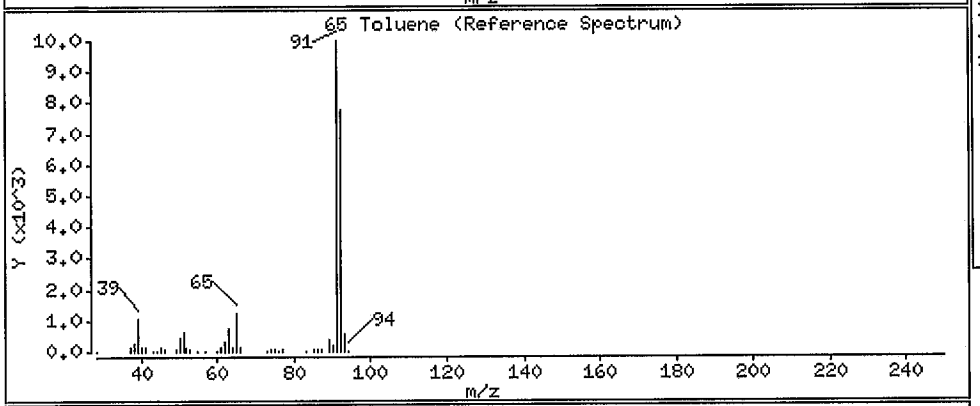
Purge Volume: 500.0 Operator: 403648

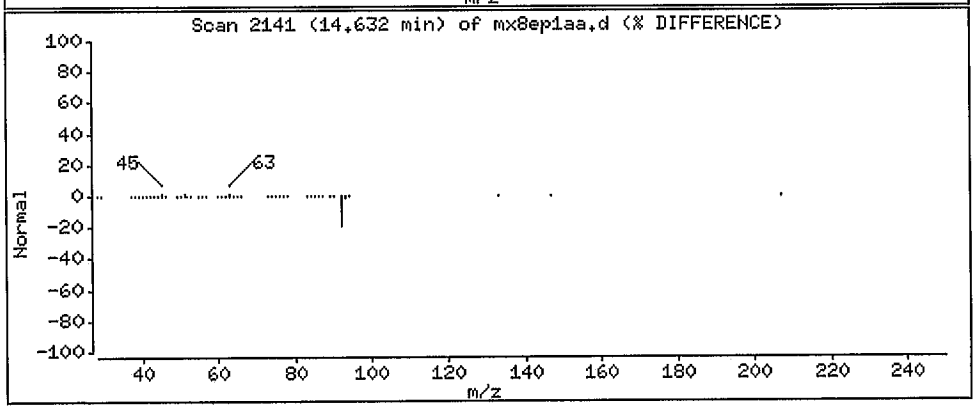
Column phase: Rtx-5 Column diameter: 0.32

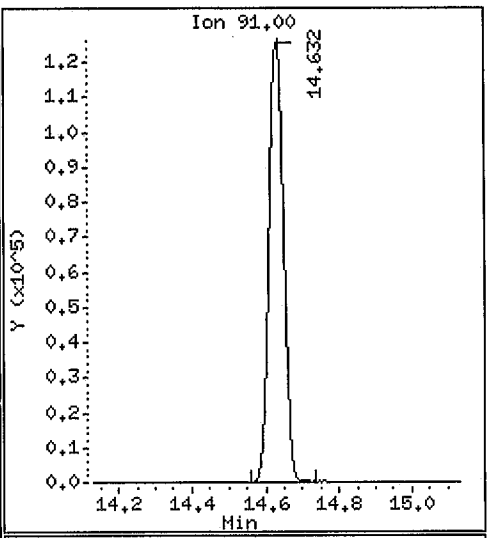
65 Toluene Concentration: 0.6362 ppb(v/v)

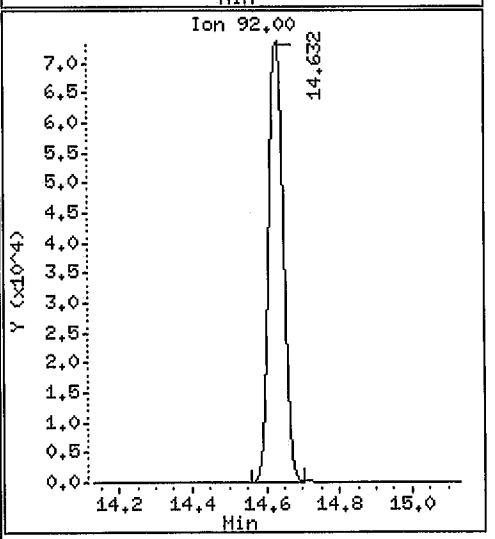












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

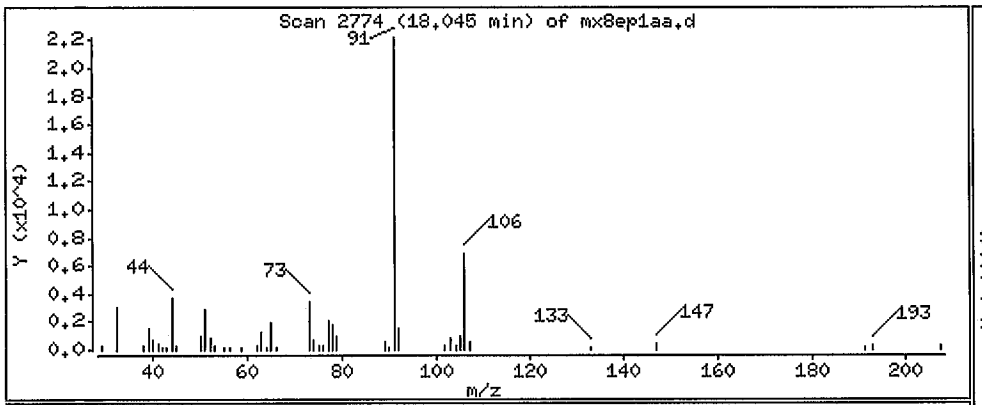
Client ID: 828076-IA-003B3-04 Instrument: mr.i

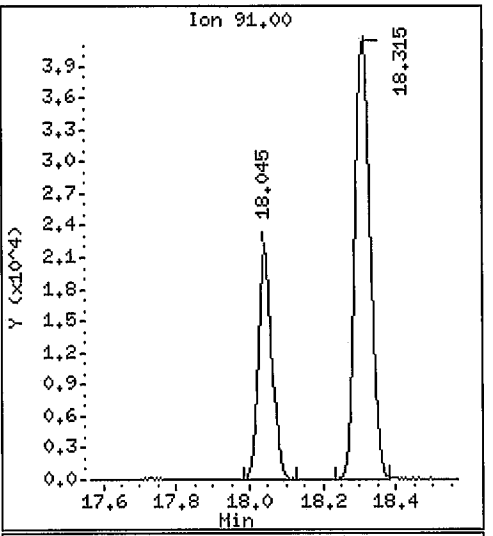
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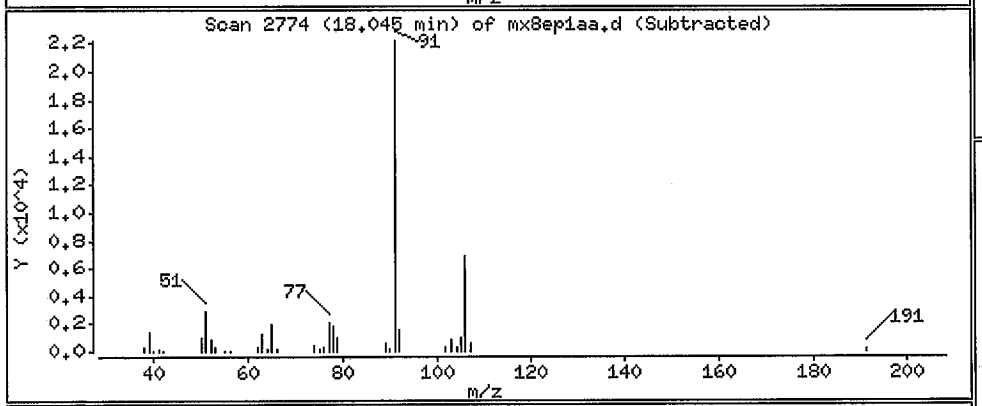
Purge Volume: 500.0 Operator: 403648

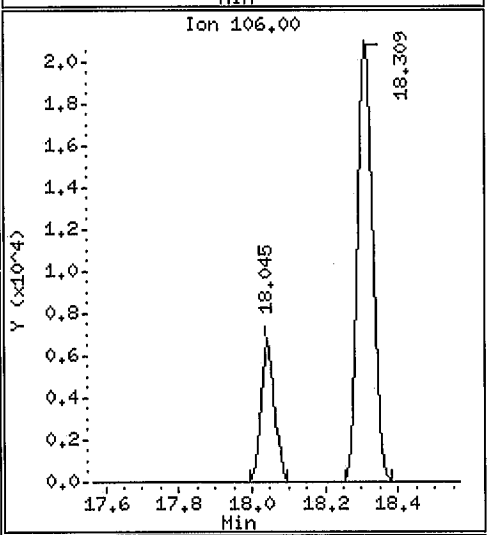
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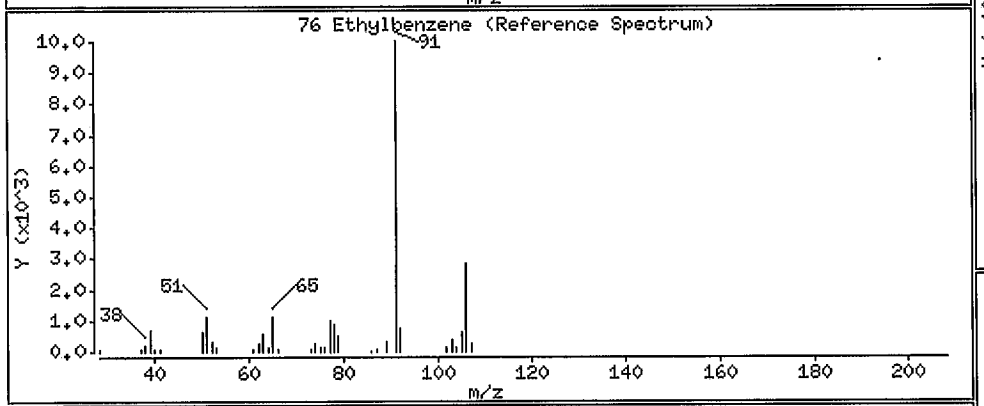
76 Ethylbenzene Concentration: 0.08642 ppb(v/v)

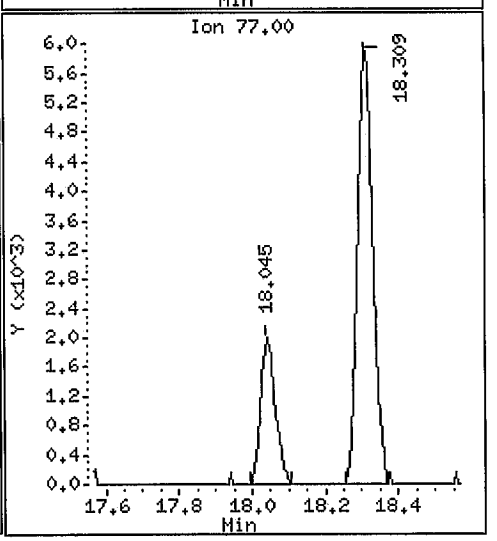


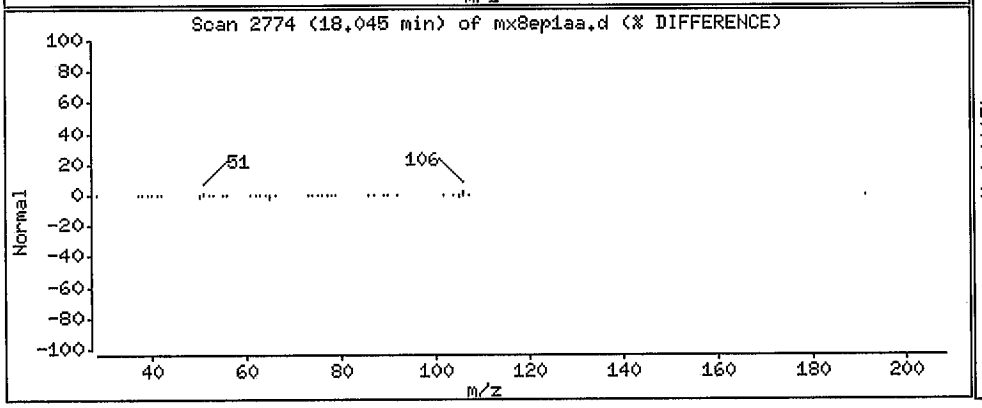












Data File: /var/chem/goms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

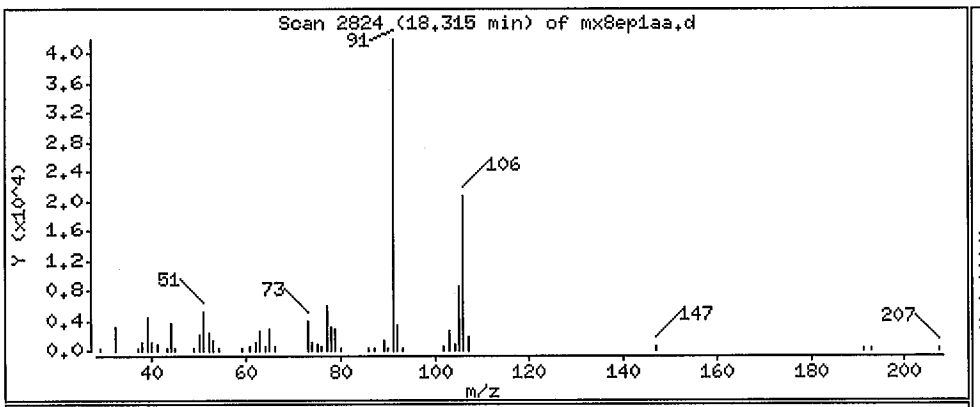
Client ID: 828076-IA-003B3-04 Instrument: mr.i

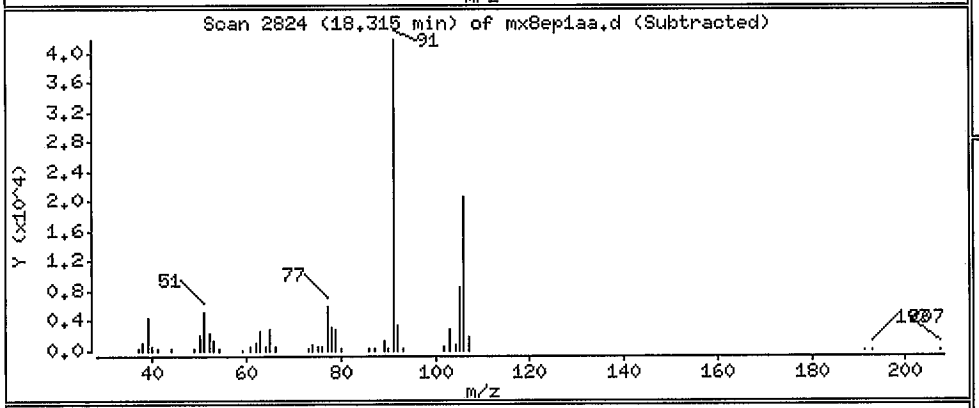
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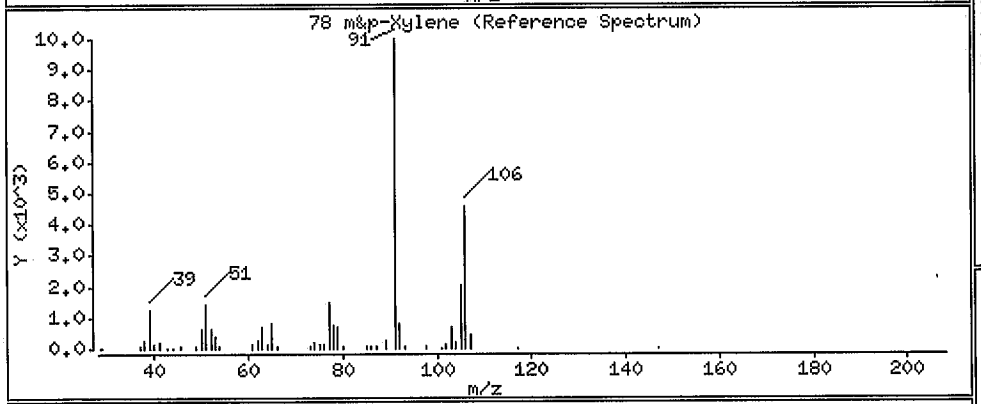
Purge Volume: 500.0 Operator: 403648

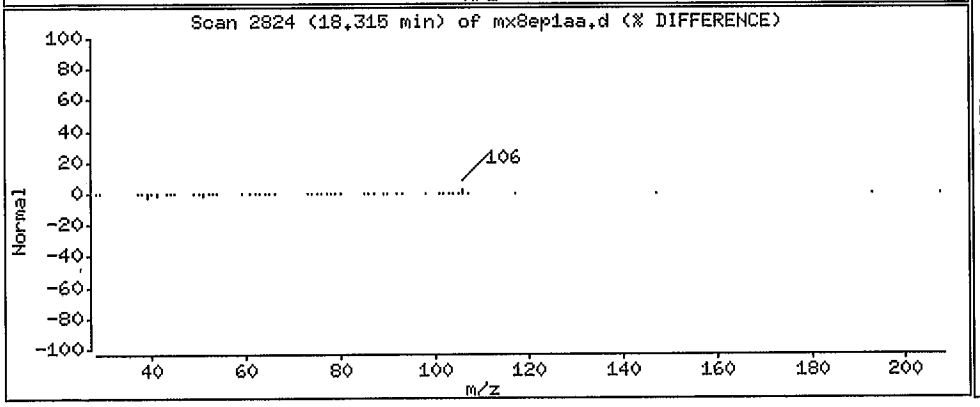
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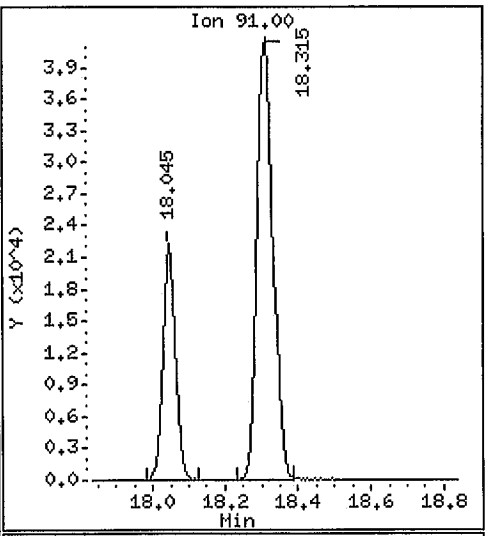
78 m&p-Xylene Concentration: 0.2557 ppb(v/v)

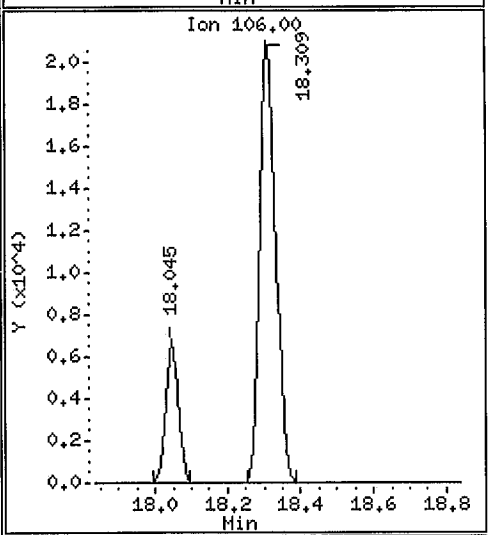


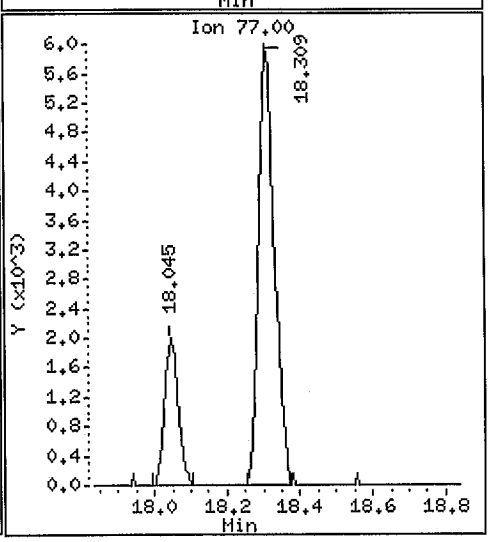












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

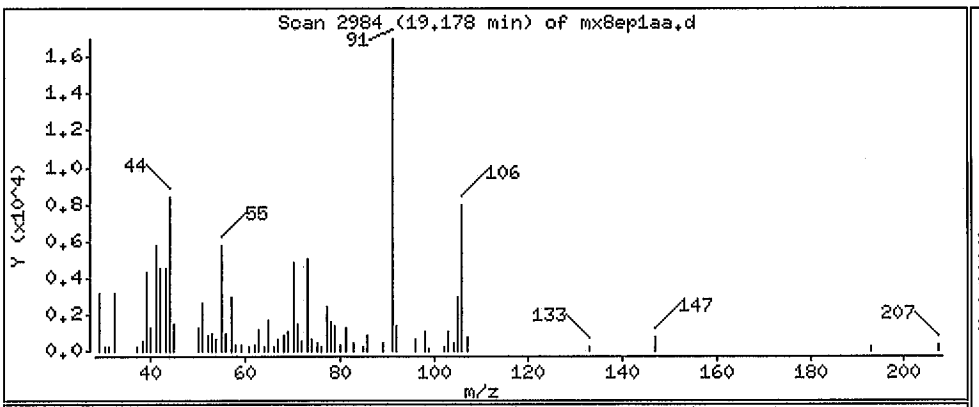
Client ID: 828076-IA-003B3-04 Instrument: mr.i

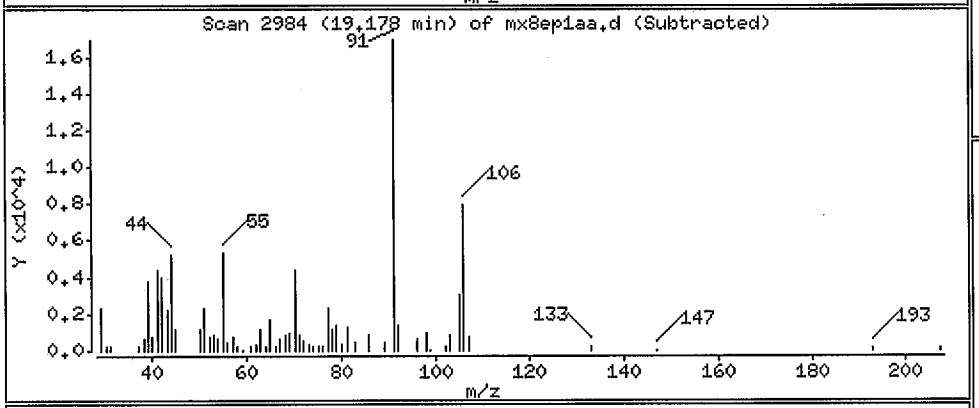
Sample Info: ,,0,,,

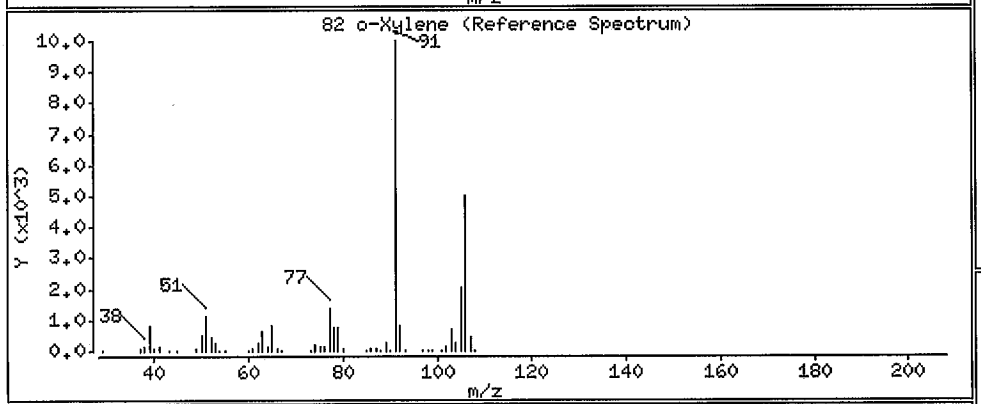
Purge Volume: 500.0 Operator: 403648

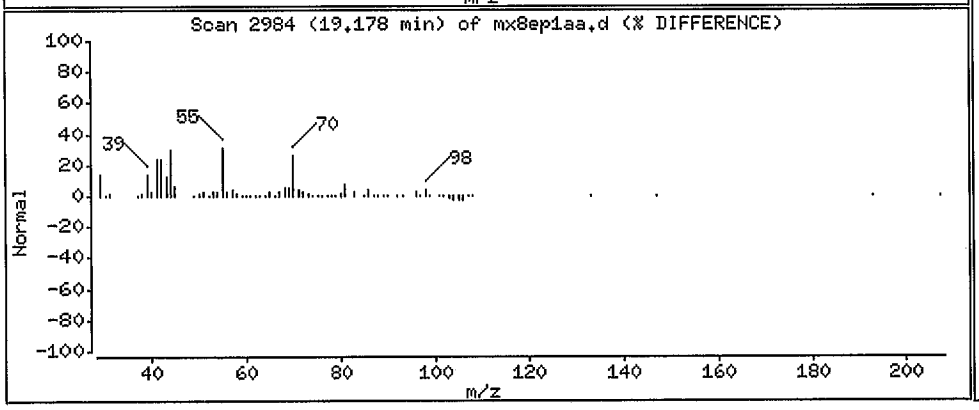
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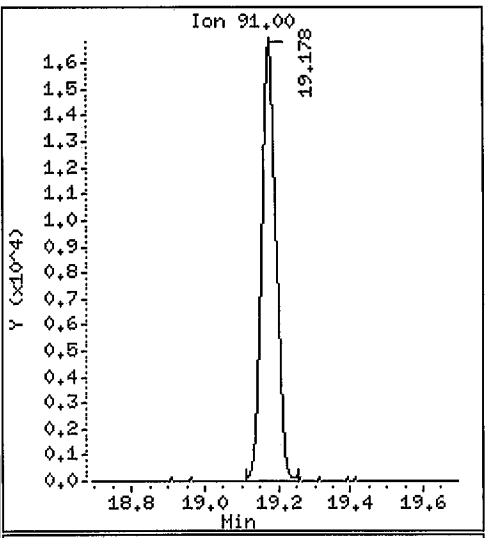
82 o-Xylene Concentration: 0.08820 ppb(v/v)

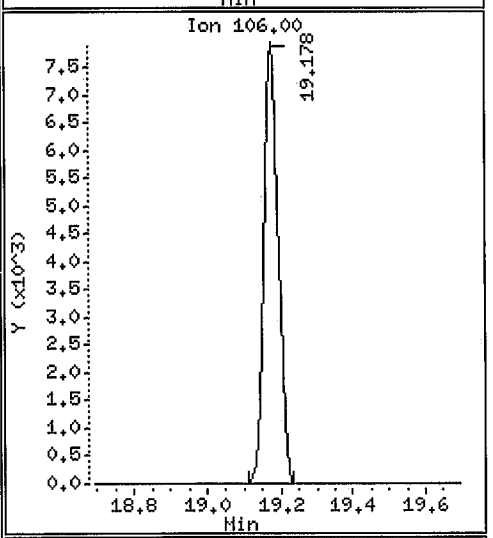


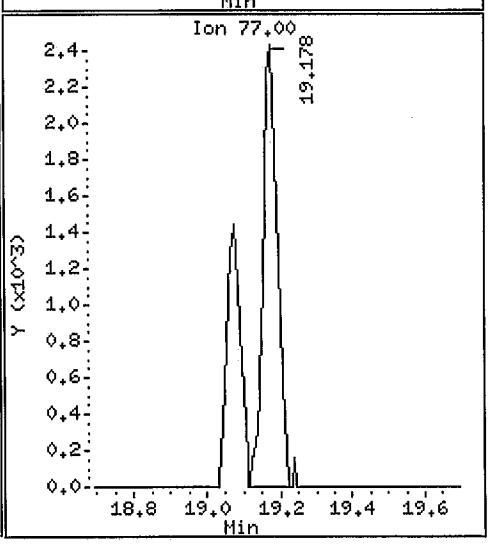












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ep1aa.d

Date : 01-MAR-2013 02:32

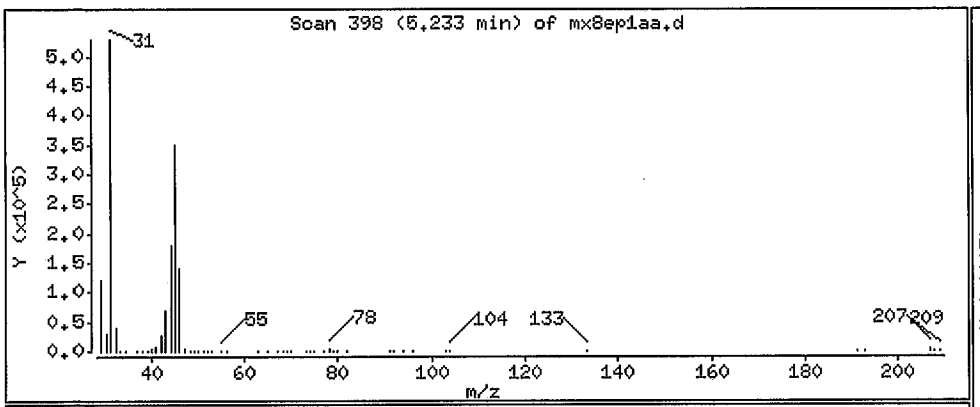
Client ID: 828076-IA-003B3-04 Instrument: mr.i

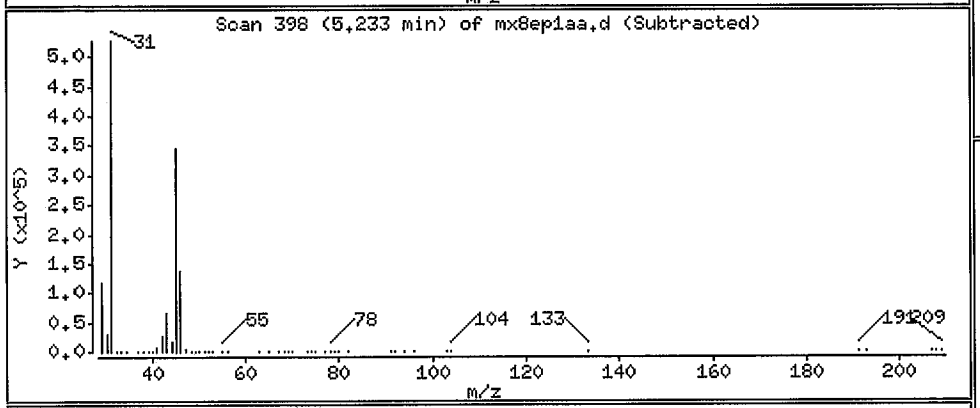
Sample Info: ,,0,,,

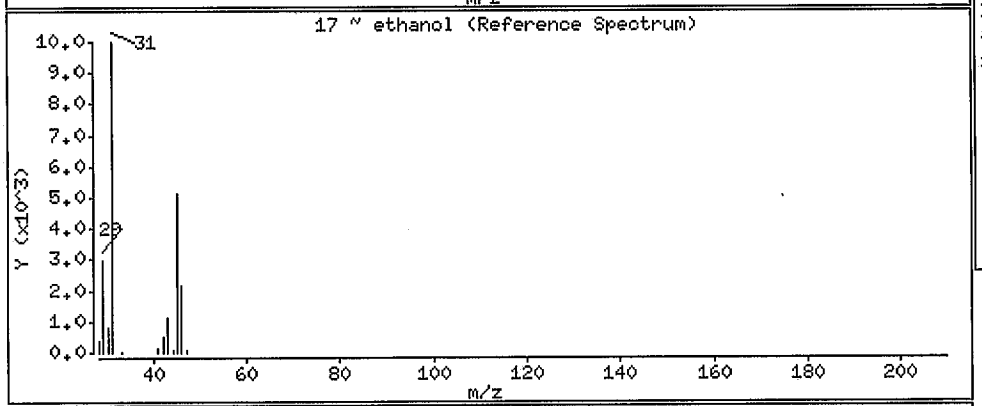
Purge Volume: 500.0 Operator: 403648

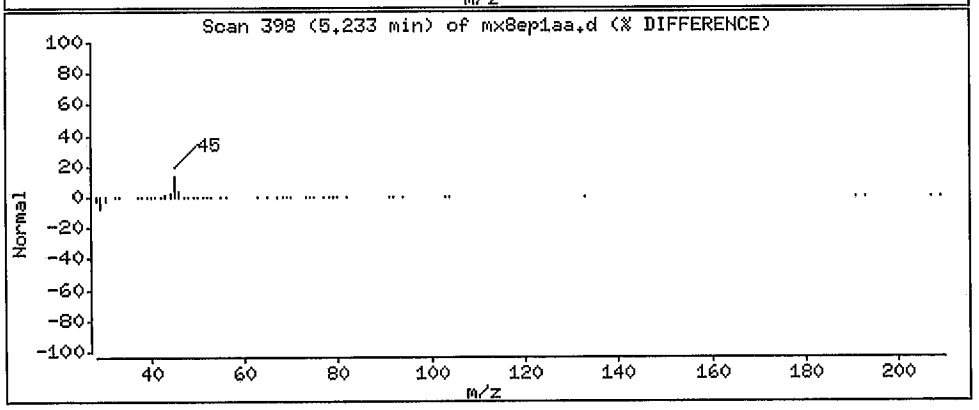
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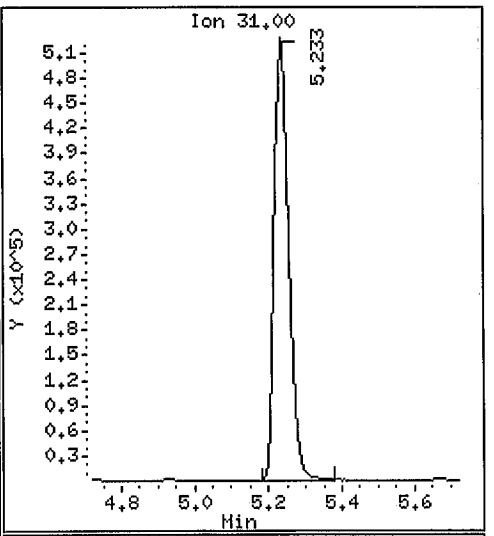
17 ^ ethanol Concentration: 35.04 ppb(v/v)

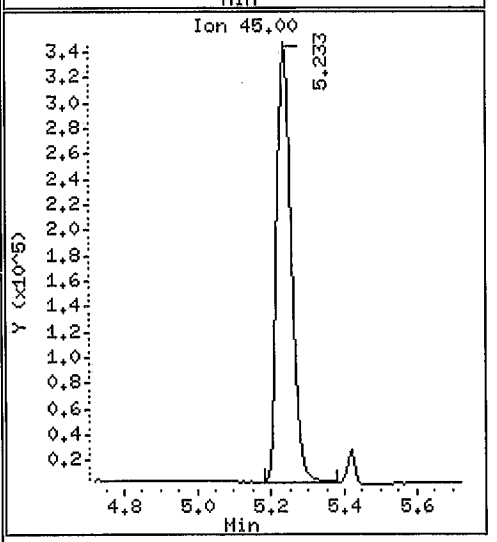












New York State D.E.C.

Client Sample ID: 828076-SS-003B3-04

GC/MS Volatiles

Lot-Sample #	H3B280421 - 012	**Work Order #**	MX8EQ1AA	**Matrix.....:**	AIR
Date Sampled...:	02/20/2013	**Date Received..:**	02/28/2013		
Prep Date.....:	03/01/2013	**Analysis Date...**	03/01/2013		
Prep Batch #.....:	3061010				
Dilution Factor.:	5	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.69**	**0.40**	**3.4**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	**2.0**	**1.6**	**5.9**	**4.7**
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**0.82**	**0.40**	**2.6**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**1.1**	**0.40**	**2.8**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	**1.8**	**1.0**	**6.3**	**3.4**
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.40**	**0.40**	**2.0**	**2.0**
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	**0.92**	**0.40**	**4.0**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**3.2**	**1.0**	**11**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B3-04

GC/MS Volatiles

Lot-Sample # H3B280421 - 012 **Work Order #** MX8EQ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**7.9**	**0.80**	**29**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.74**	**0.40**	**3.2**	**1.7**
tert-Butyl alcohol	**6.7**	**1.6**	**20**	**4.9**
Tetrachloroethene	**0.44**	**0.40**	**3.0**	**2.7**
Toluene	**3.3**	**0.40**	**12**	**1.5**
m-Xylene & p-Xylene	**3.6**	**0.40**	**16**	**1.7**
o-Xylene	**1.3**	**0.40**	**5.6**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**3.5**	**0.20**	**19**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	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/mg.i/G030113A.b/mx8eq1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d
Lab Smp Id: MX8EQ1AA Client Smp ID: 828076-SS-003B3-04
Inj Date : 01-MAR-2013 17:01
Operator : 7126 Inst ID: mg.i
Smp Info : ,5,0,,,
Misc Info : G030113A,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 02-Mar-2013 12:55 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 4
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	5.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	7.581	7.581	(1.000)	427540	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.646	9.652	(1.000)	1970041	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1598376	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	1084018	3.82503	3.825
7 Dichlorodifluoromethane	85	3.494	3.493	(0.461)	31007	0.08081	0.4040
16 Chloroethane	64	4.151	4.151	(0.548)	10652	0.21076	1.054
28 tert-butanol	59	5.235	5.235	(0.691)	246859	1.33359	6.668
36 Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	477109	1.58636	7.932
40 Hexane	56	6.869	6.864	(0.906)	72080	0.63186	3.159
39 2-Butanone	72	6.950	6.945	(0.917)	21962	0.39774	1.989
49 Cyclohexane	69	9.010	9.010	(0.934)	22733	0.36686	1.834
48 Benzene	78	9.058	9.064	(0.939)	61999	0.16432	0.8216
56 Trichloroethene	130	10.363	10.369	(1.074)	145927	0.70593	3.530
65 Toluene	91	12.531	12.536	(0.859)	278236	0.65709	3.285
73 Tetrachloroethene	129	13.712	13.712	(0.940)	14619	0.08802	0.4401
76 Ethylbenzene	91	14.936	14.936	(1.024)	95901	0.18346	0.9173

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d
Report Date: 02-Mar-2013 12:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
78 m&p-Xylene	91	15.098	15.103	(1.035)	291374	0.71850	3.592
81 Styrene	104	15.589	15.588	(1.068)	43761	0.14822	0.7411
82 o-Xylene	91	15.637	15.637	(1.072)	107266	0.26005	1.300
84 1,1,2,2-Tetrachloroethane	83	16.096	16.014	(1.103)	27550	0.09439	~~0.4720~~
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	65446	0.13838	0.6919

0305-13

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8eq1aa.d
Lab Smp Id: MX8EQ1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: 828076-SS-003B3-04
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	427540	11.00
2 1,4-Difluorobenze	1517394	902849	2131939	1970041	29.83
3 Chlorobenzene-d5	1361313	809981	1912645	1598376	17.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.05
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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.

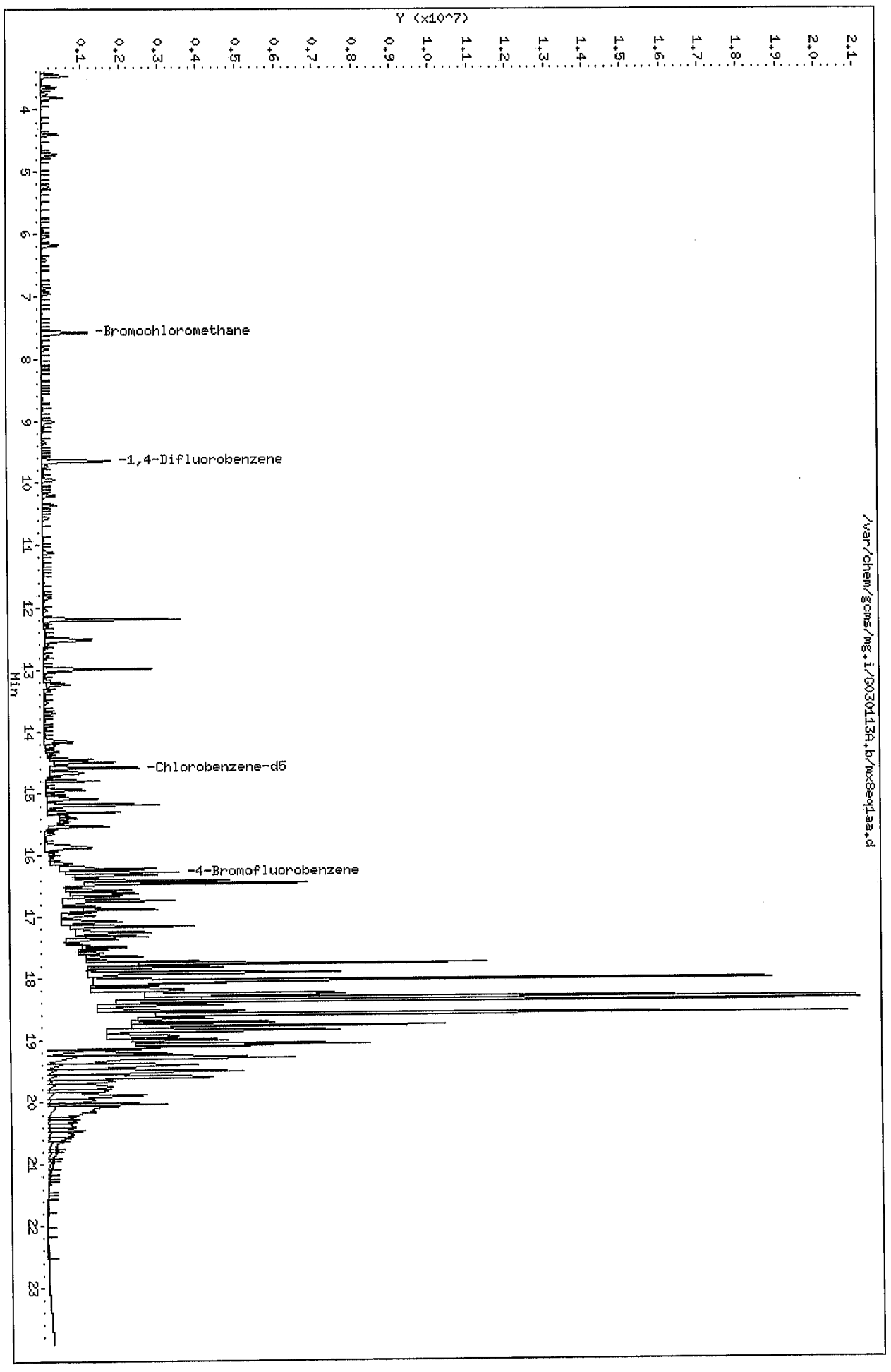
Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EQ1AA Client Smp ID: 828076-SS-003B3-04
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.825	95.63	60-140


Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d
Date : 01-MAR-2013 17:01
Client ID: 828076-SS-003B3-04
Sample Info: ,5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/goms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

Client ID: 828076-SS-003B3-04

Instrument: mg.i

Sample Info: ,5,0,,,

Purge Volume: 500.0

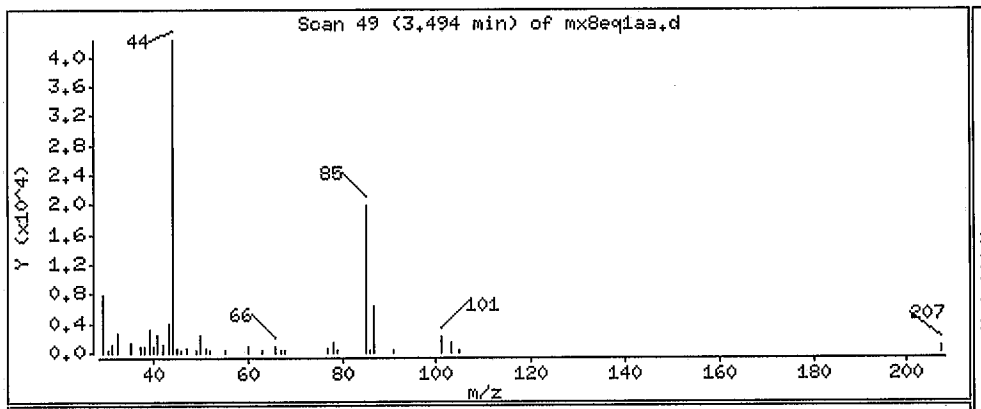
Operator: 7126

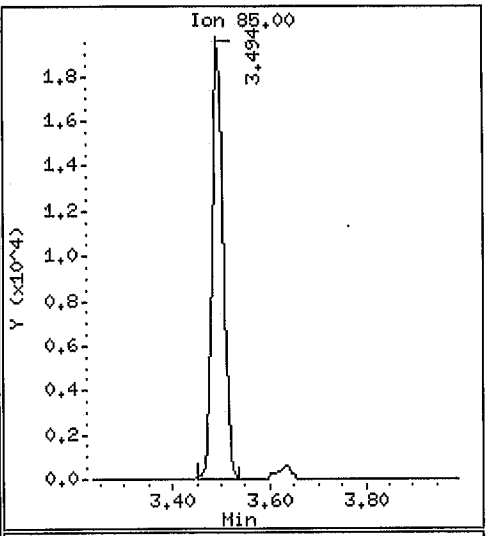
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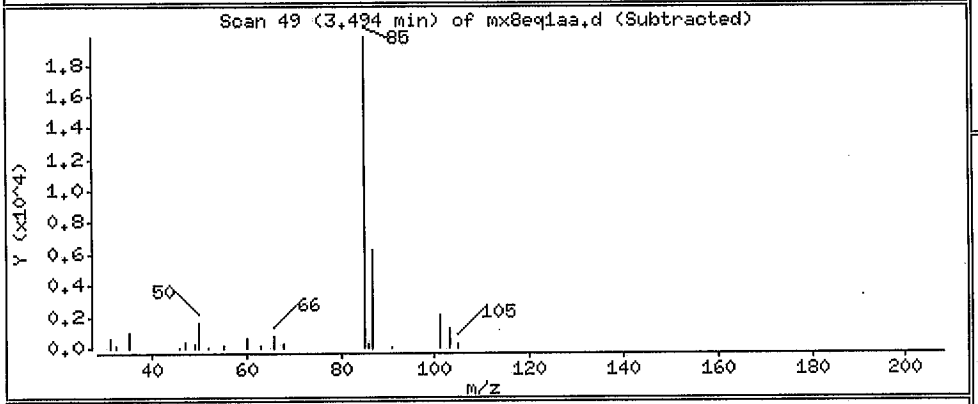
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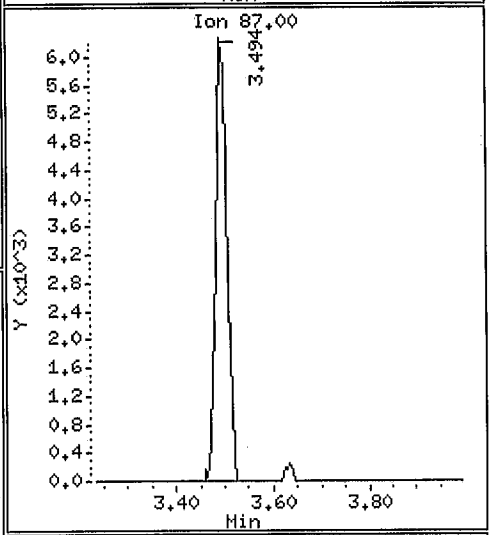
7 Dichlorodifluoromethane

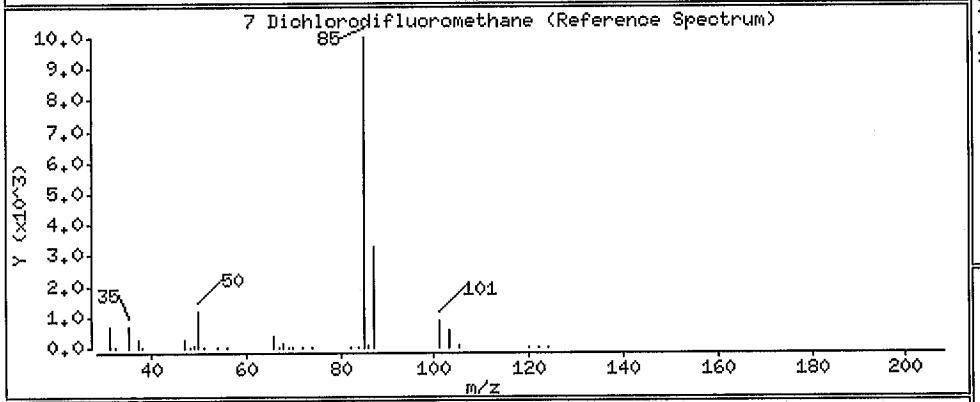
Concentration: 0.4040 ppb(v/v)

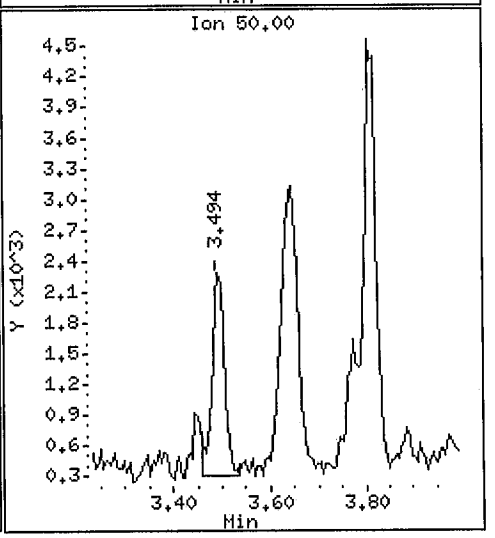


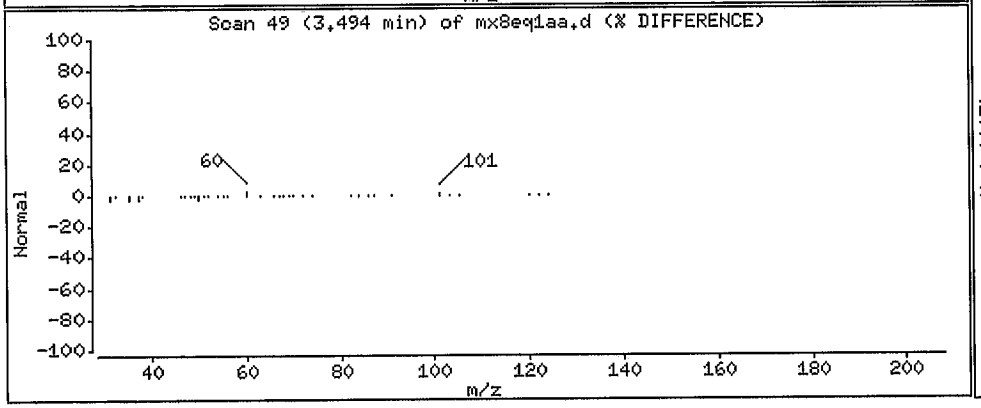












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

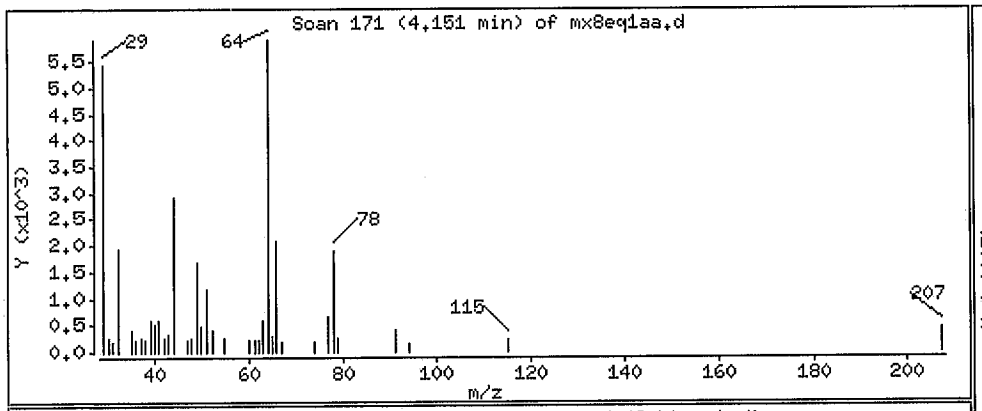
Client ID: 828076-SS-003B3-04 Instrument: mg.i

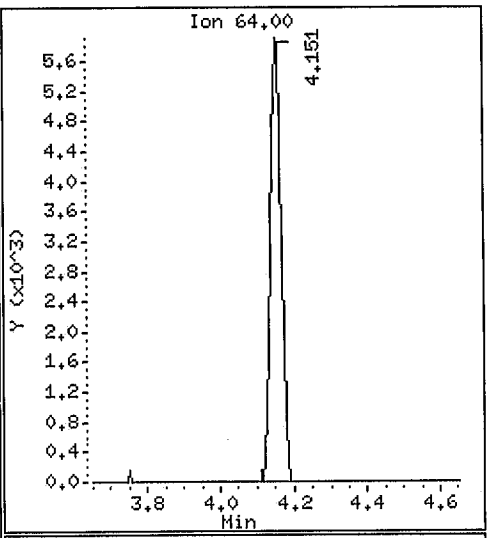
Sample Info: ,5,0,,,

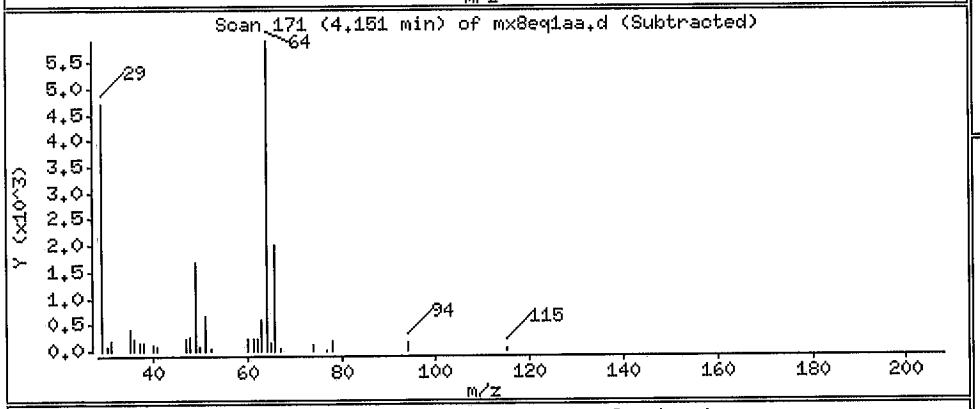
Purge Volume: 500.0 Operator: 7126

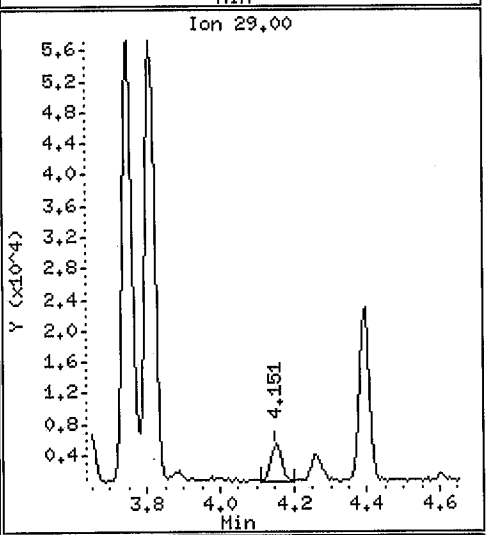
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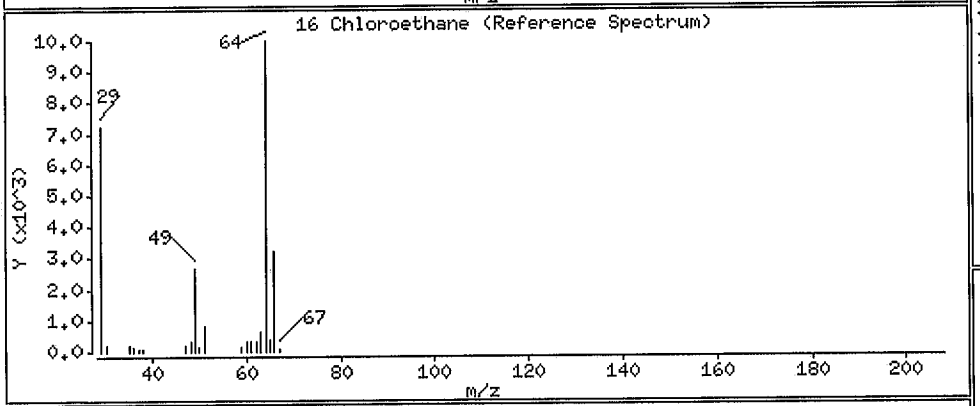
16 Chloroethane Concentration: 1.054 ppb(v/v)

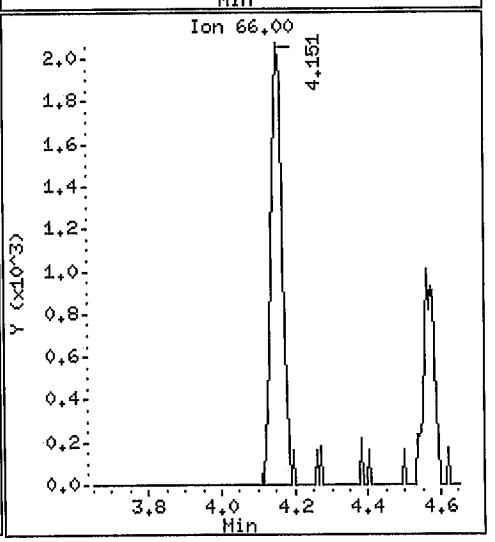


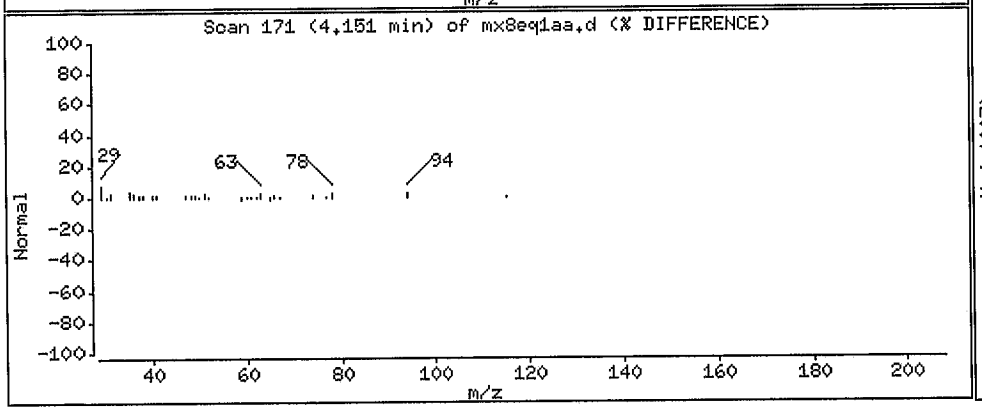












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

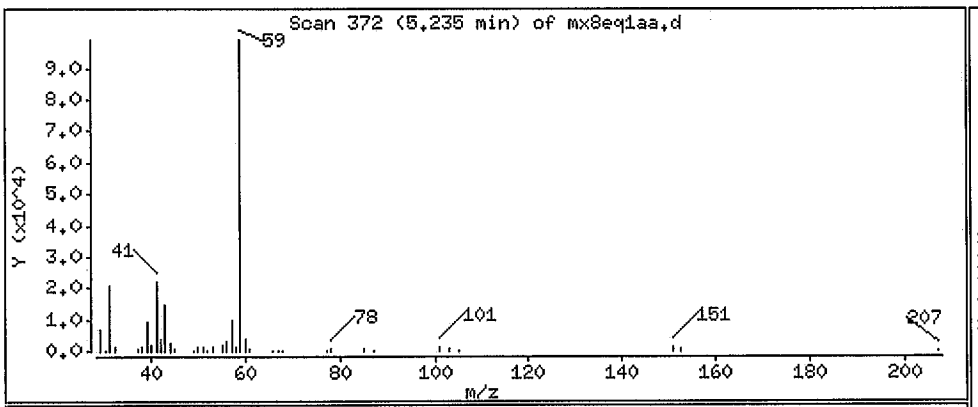
Client ID: 828076-SS-003B3-04 Instrument: mg.i

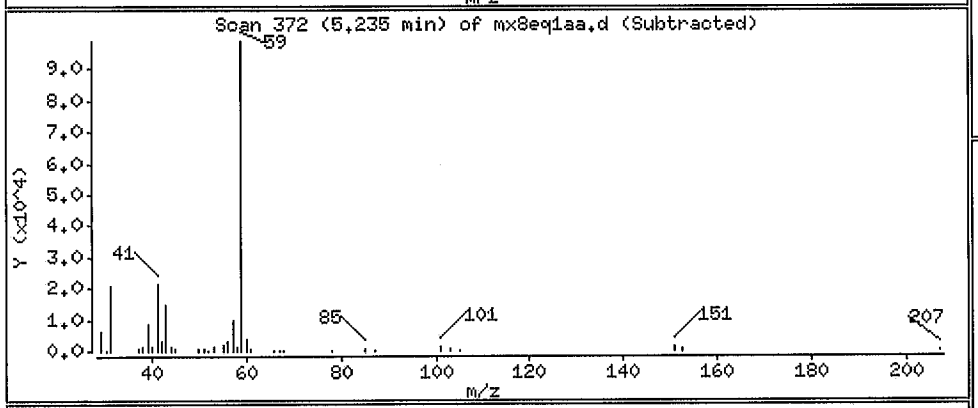
Sample Info: ,5,0,,,

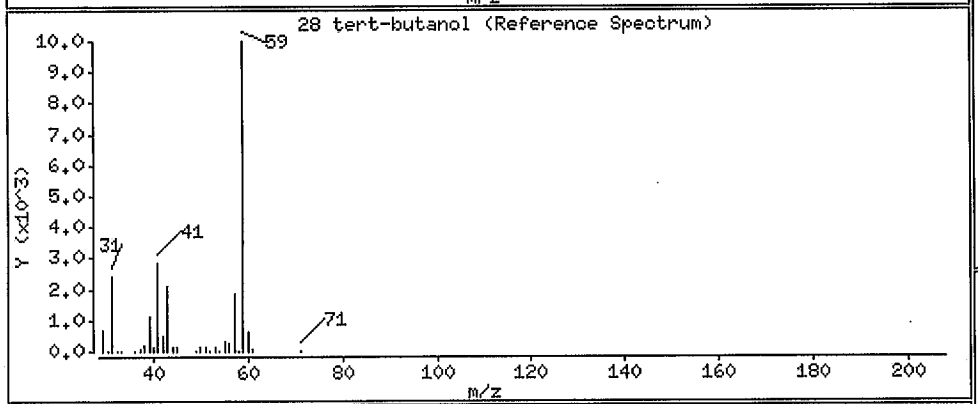
Purge Volume: 500.0 Operator: 7126

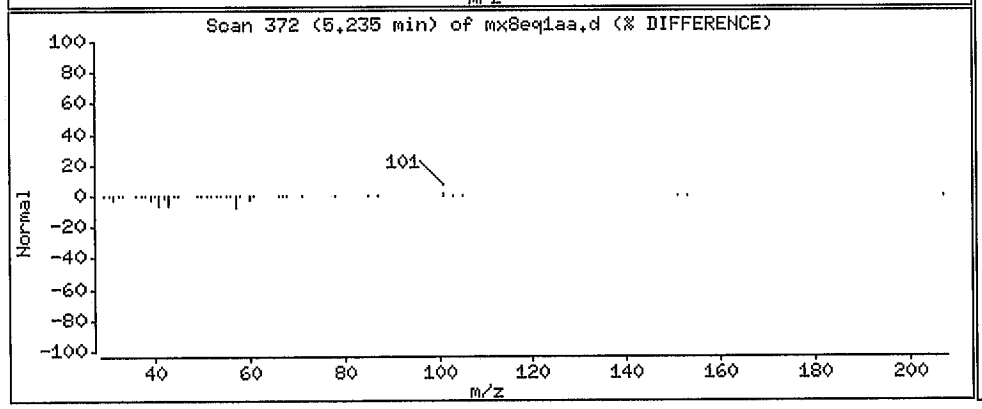
Column phase: Rtx-5 Column diameter: 0.32

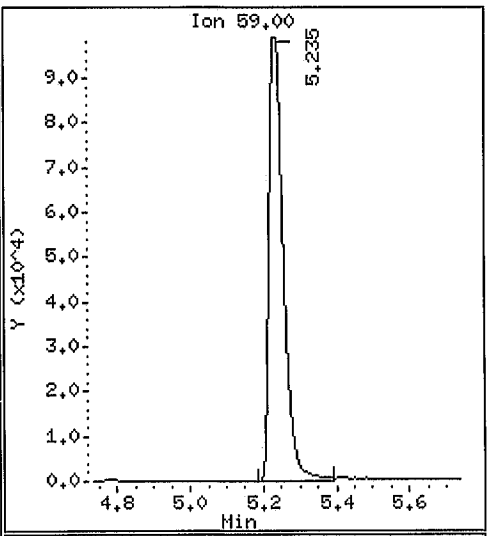
28 tert-butanol Concentration: 6.668 ppb(v/v)

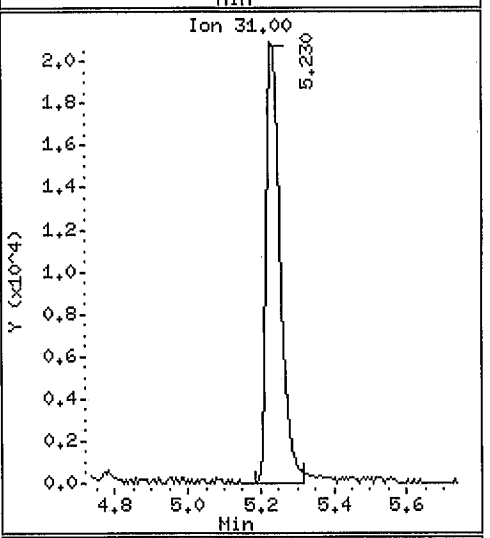


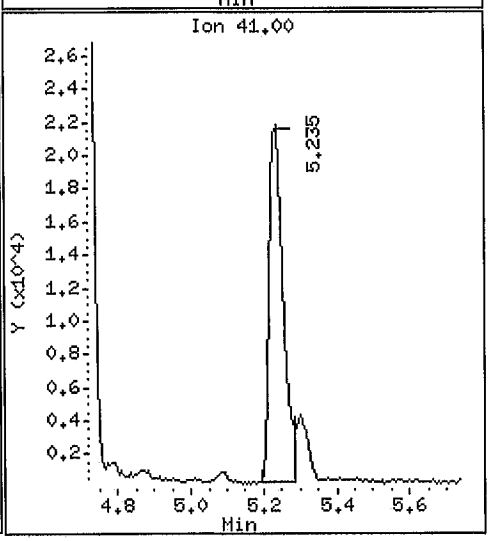












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

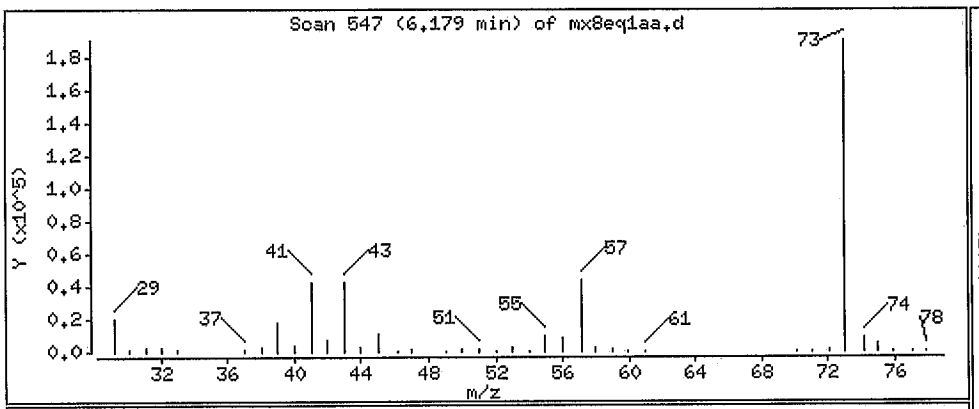
Client ID: 828076-SS-003B3-04 Instrument: mg.i

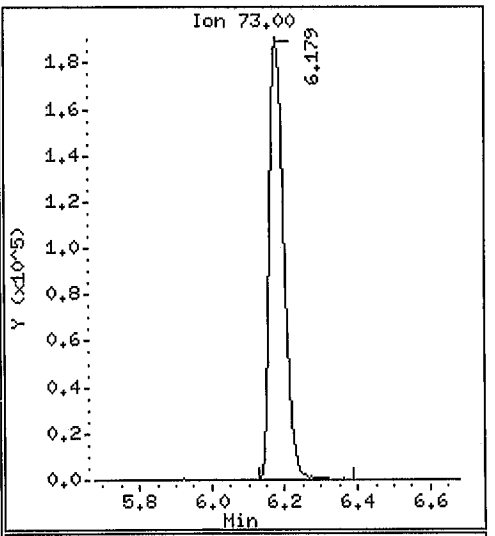
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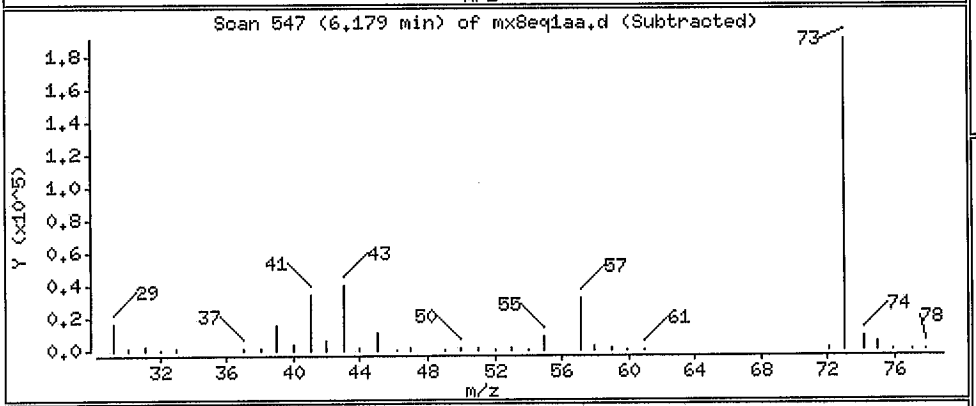
Purge Volume: 500.0 Operator: 7126

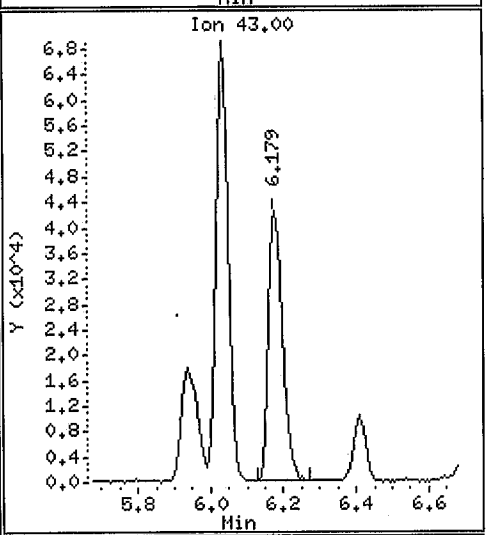
Column phase: Rtx-5 Column diameter: 0.32

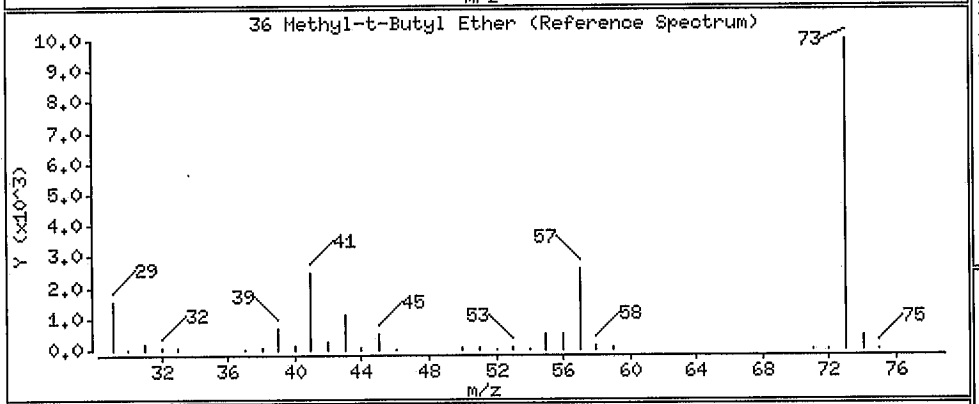
36 Methyl-t-Butyl Ether Concentration: 7.932 ppb(v/v)

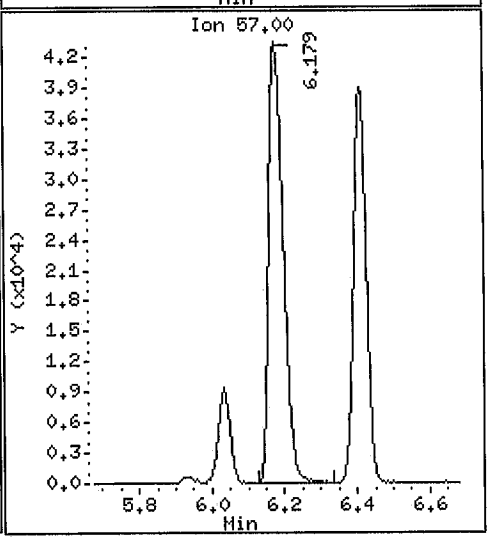


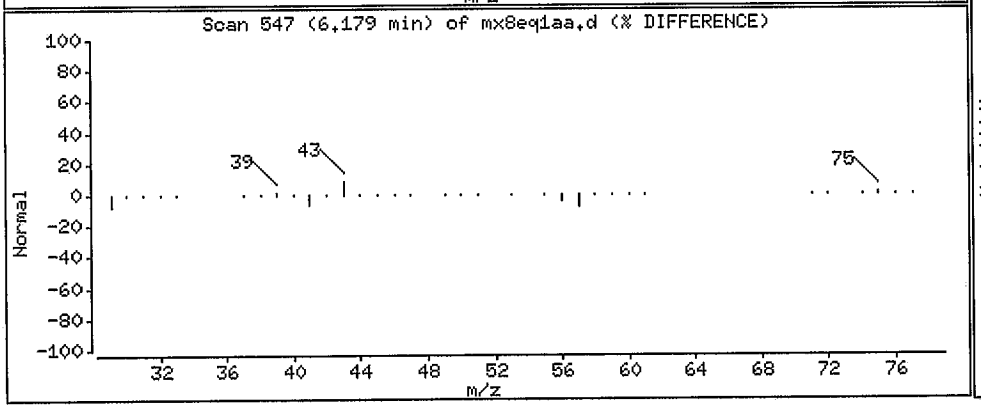












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

Client ID: 828076-SS-003B3-04

Instrument: mg.i

Sample Info: ,5,0,,,

Purge Volume: 500.0

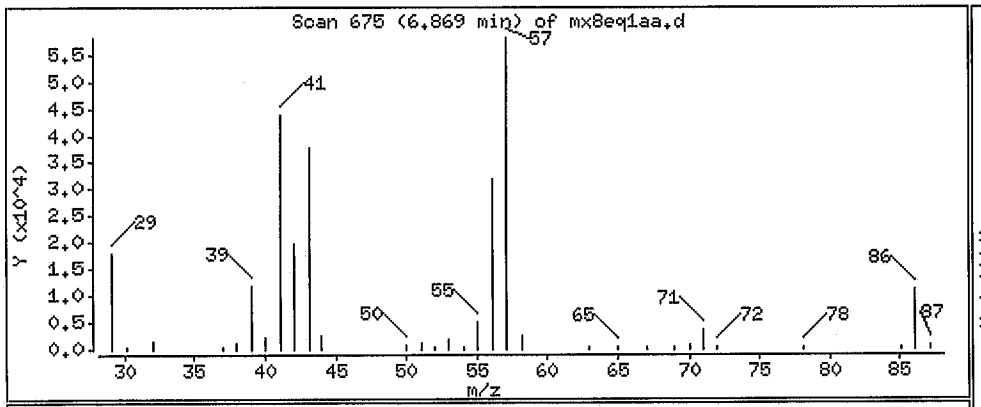
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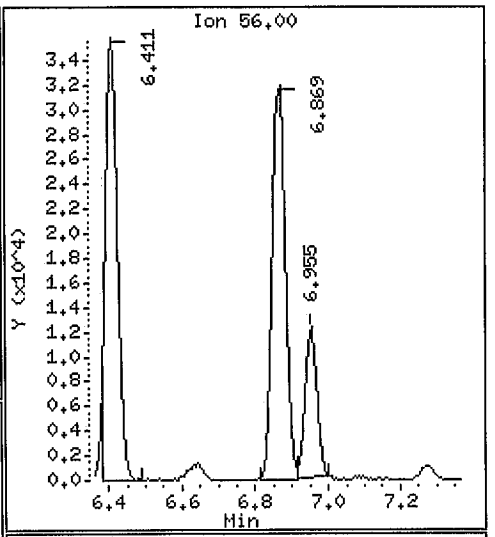
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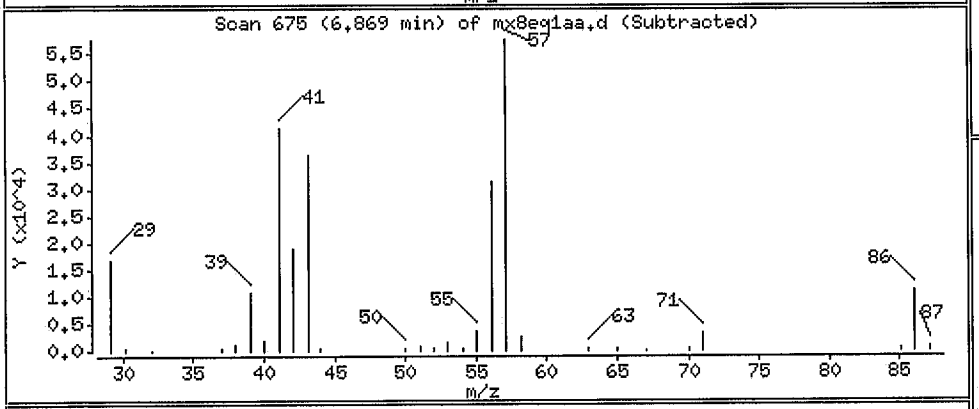
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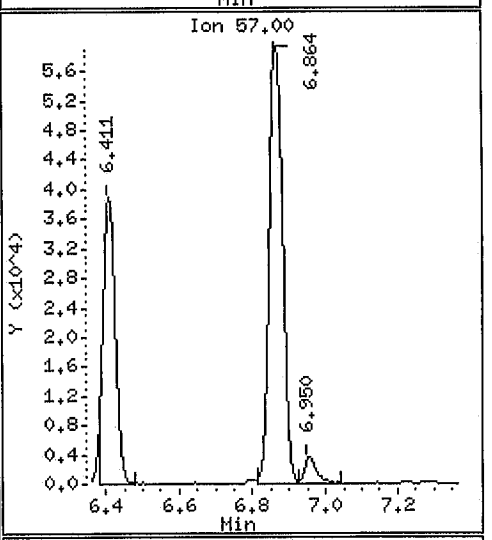
40 Hexane

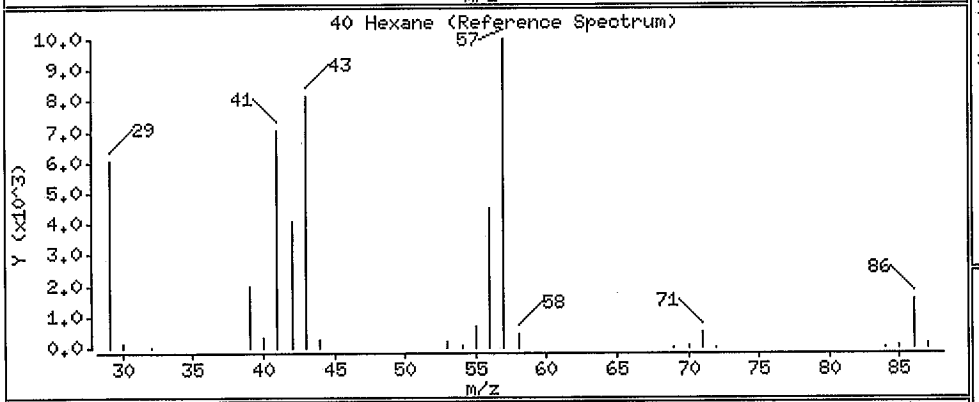
Concentration: 3.159 ppb(v/v)

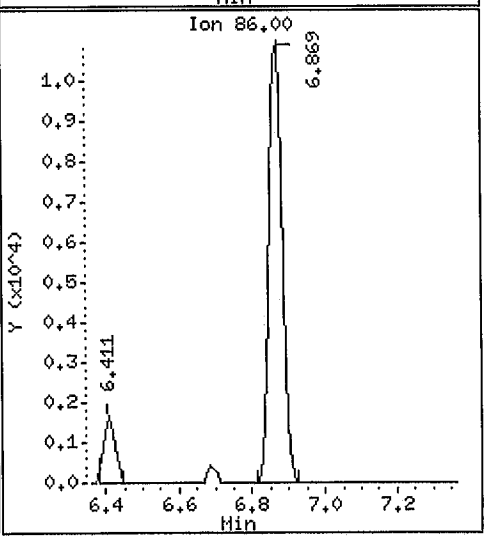


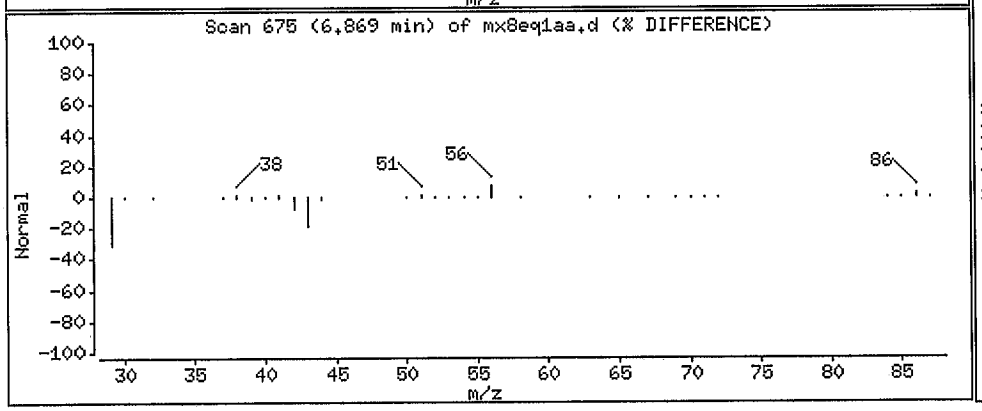












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

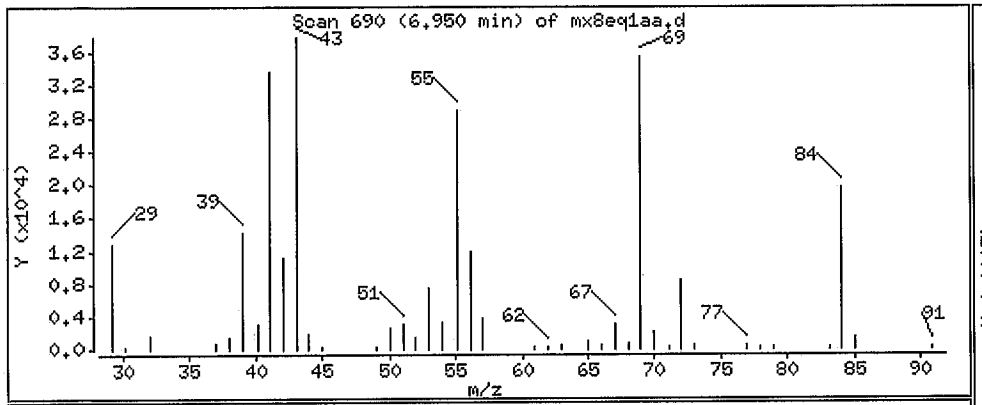
Client ID: 828076-SS-003B3-04 Instrument: mg.i

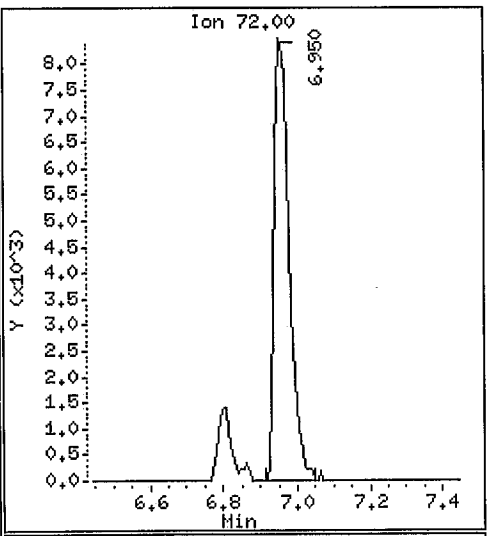
Sample Info: ,5,0,,,

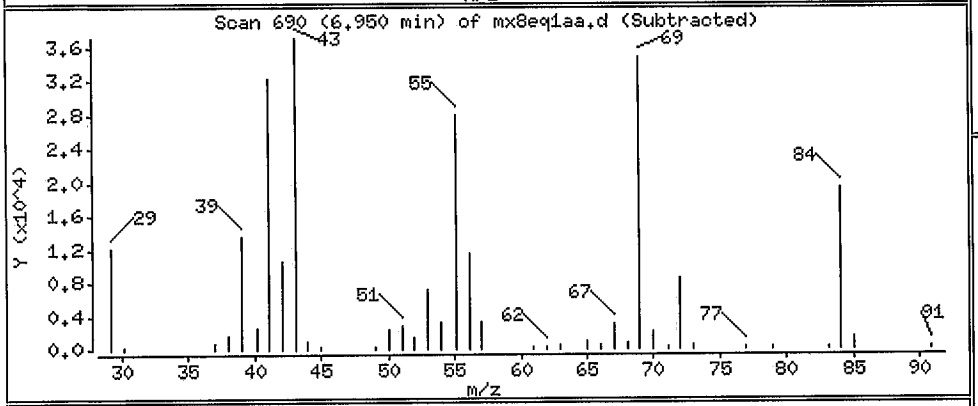
Purge Volume: 500.0 Operator: 7126

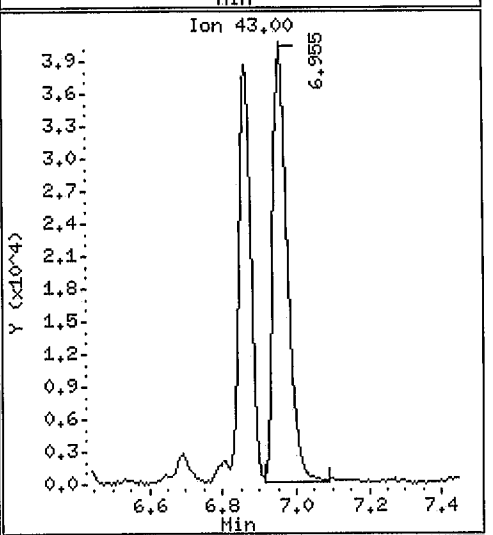
Column phase: Rtx-5 Column diameter: 0.32

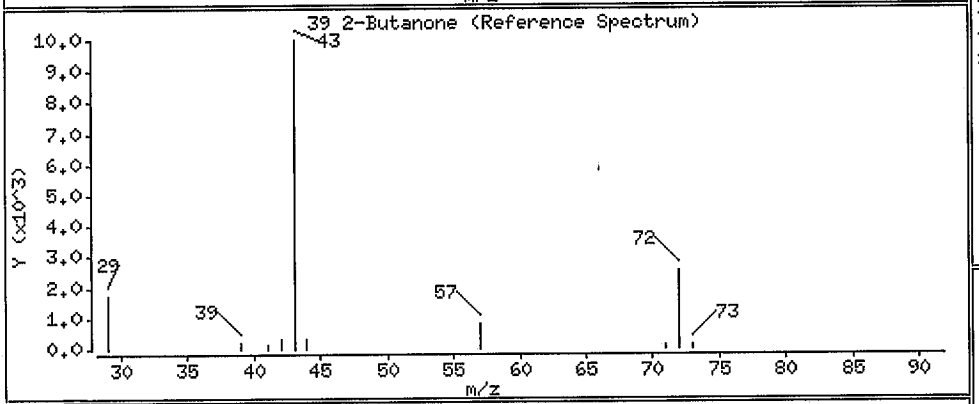
39 2-Butanone Concentration: 1.989 ppb(v/v)

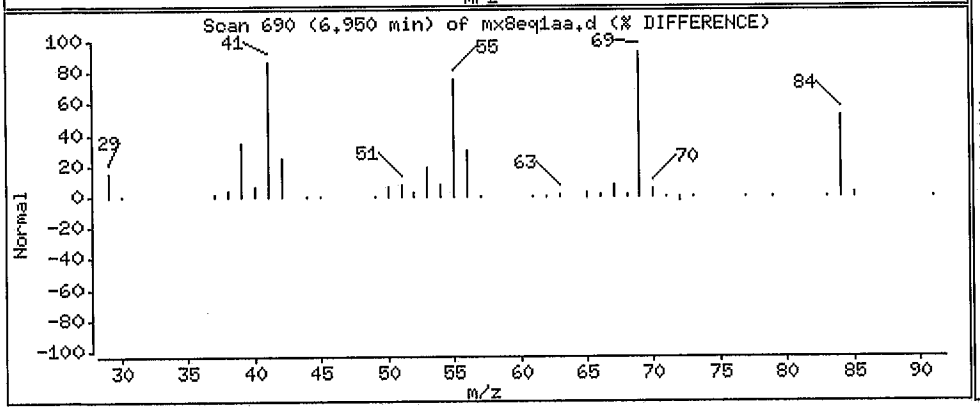


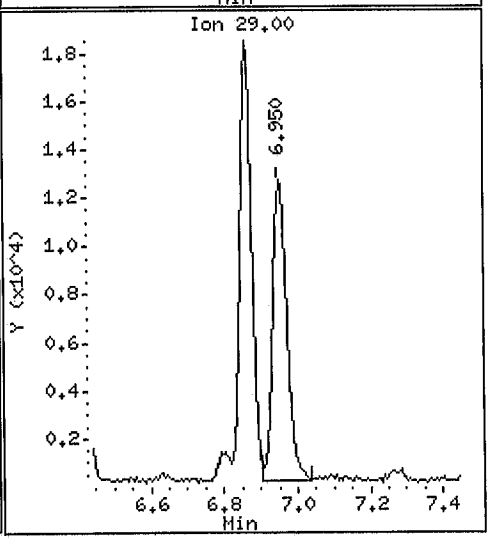












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

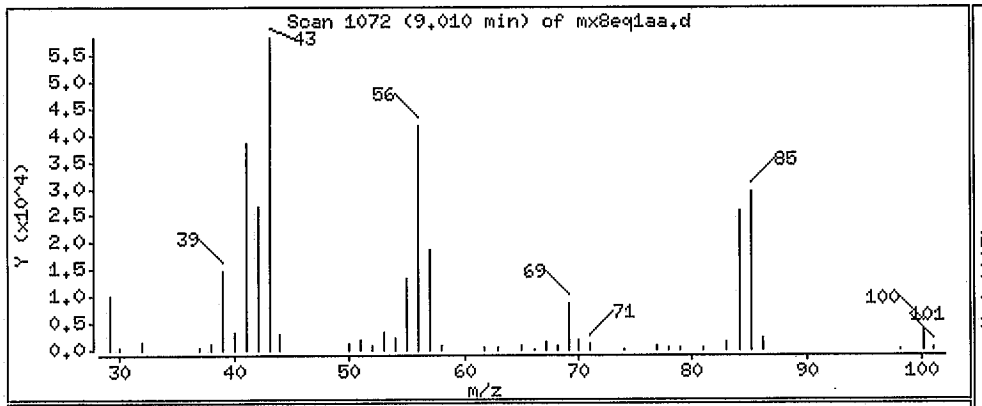
Client ID: 828076-SS-003B3-04 Instrument: mg.i

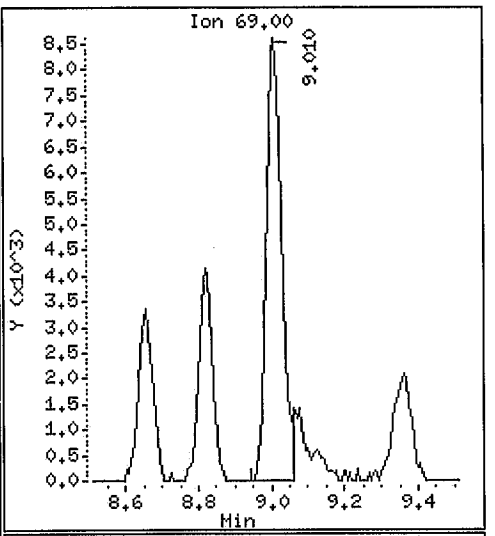
Sample Info: ,5,0,,,

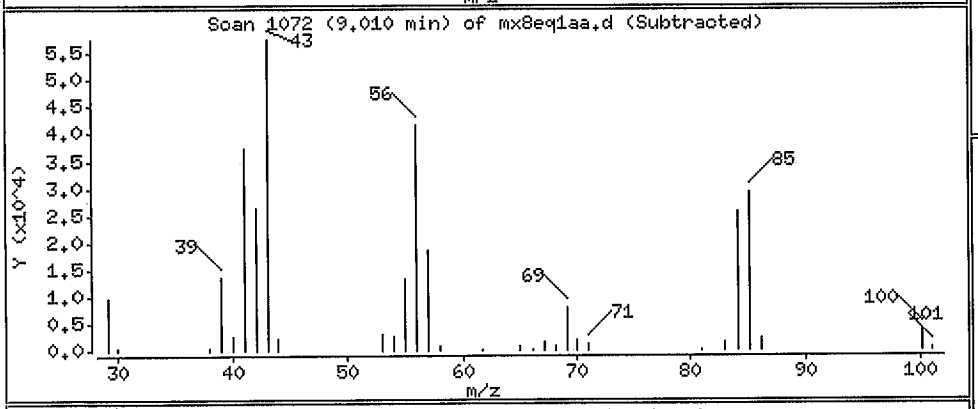
Purge Volume: 500.0 Operator: 7126

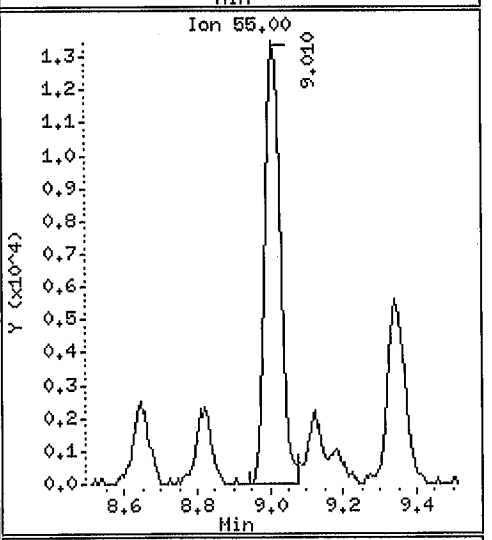
Column phase: Rtx-5 Column diameter: 0.32

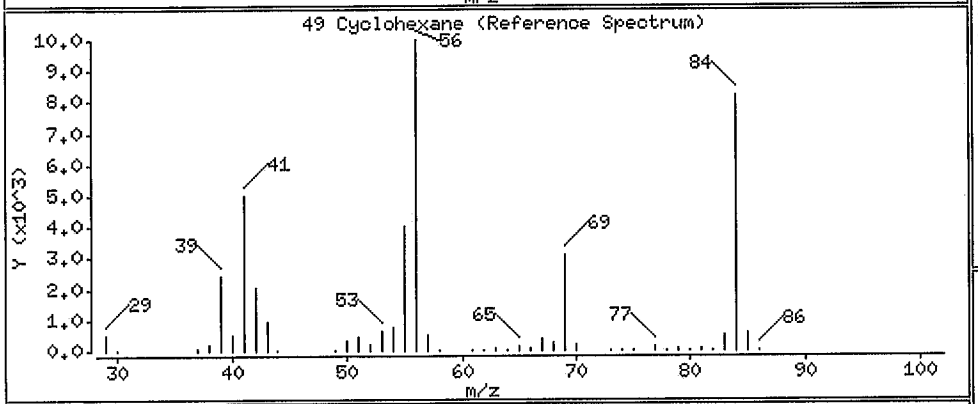
49 Cyclohexane Concentration: 1.834 ppb(v/v)

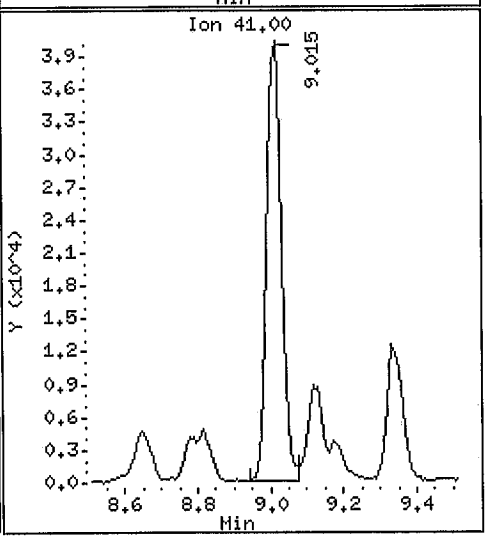


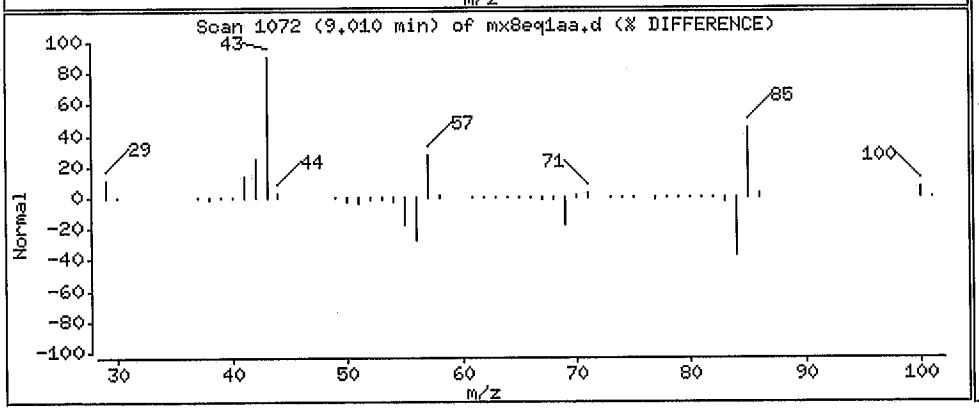












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

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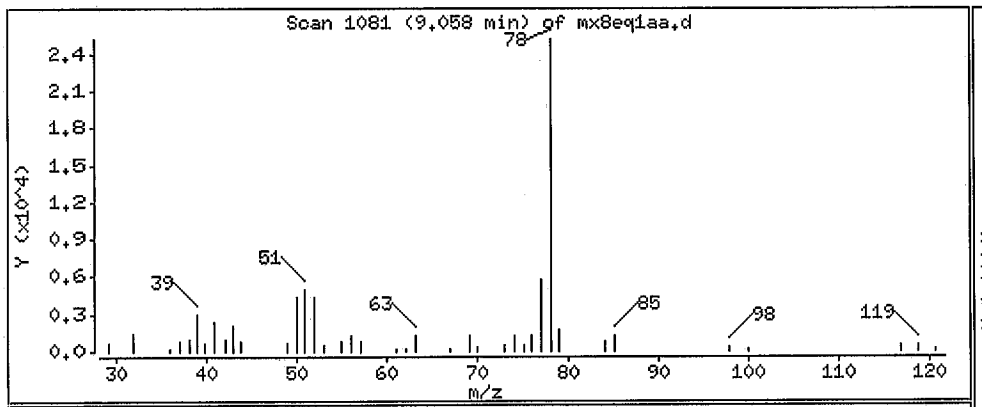
Client ID: 828076-SS-003B3-04 Instrument: mg.i

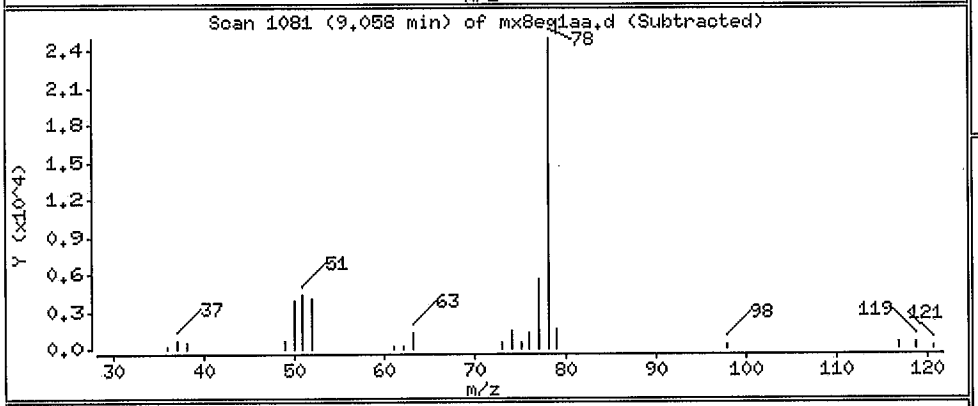
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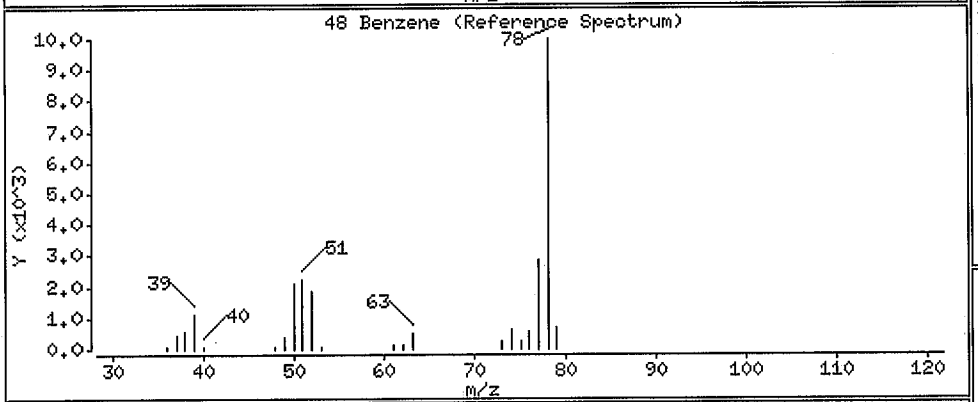
Purge Volume: 500.0 Operator: 7126

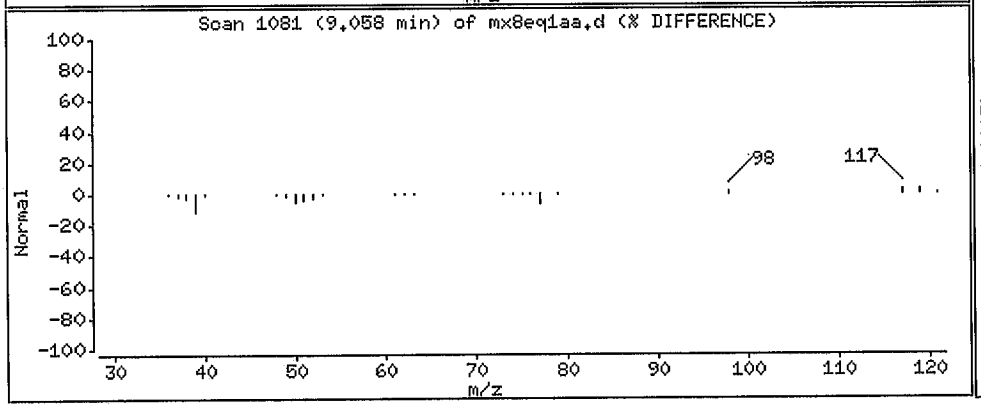
Column phase: Rtx-5 Column diameter: 0.32

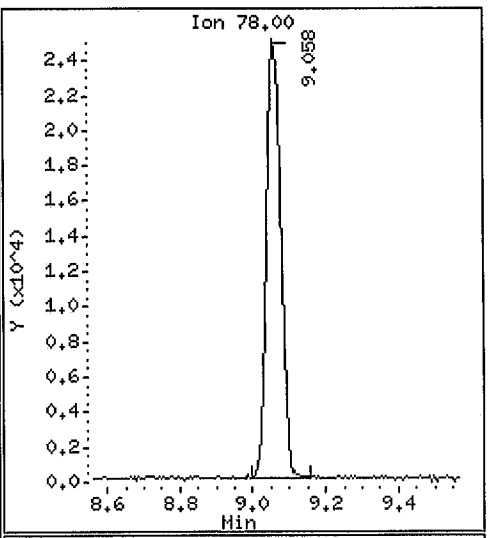
48 Benzene Concentration: 0.8216 ppb(v/v)

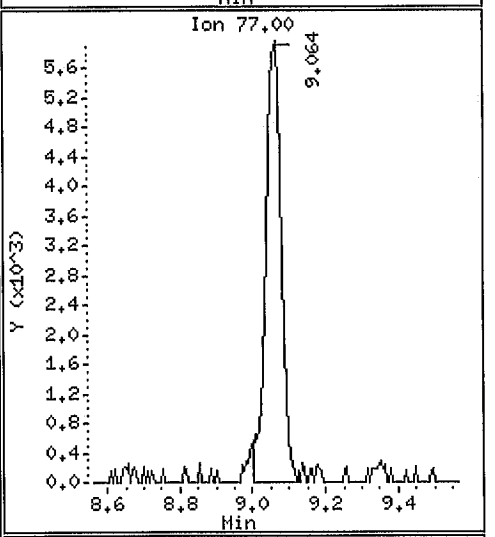


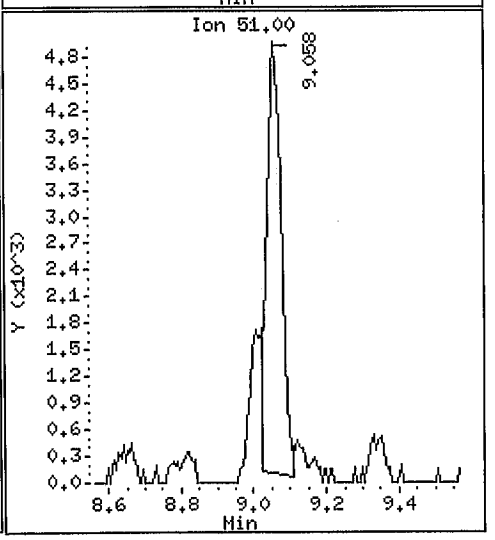












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

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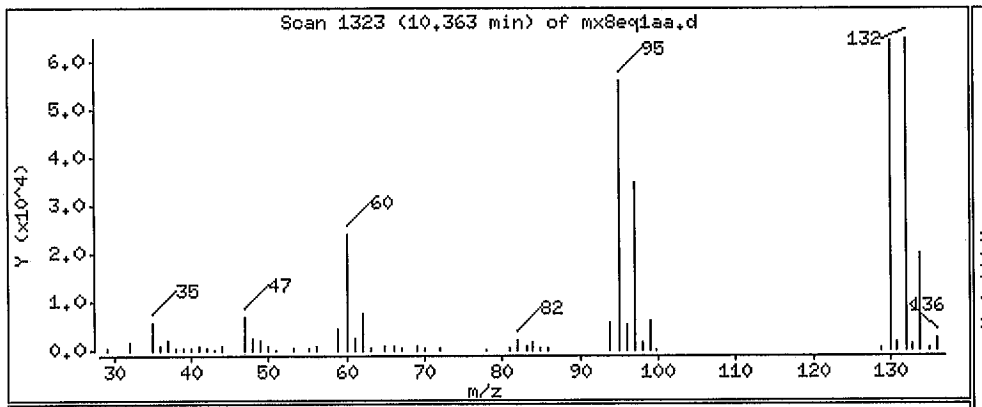
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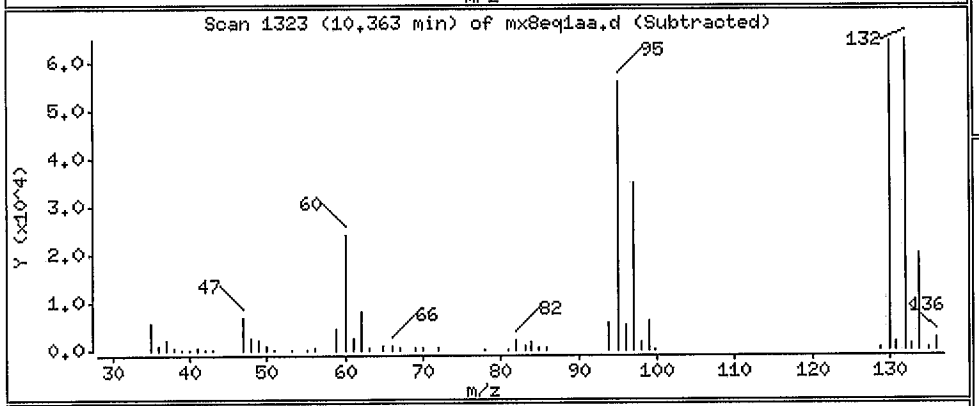
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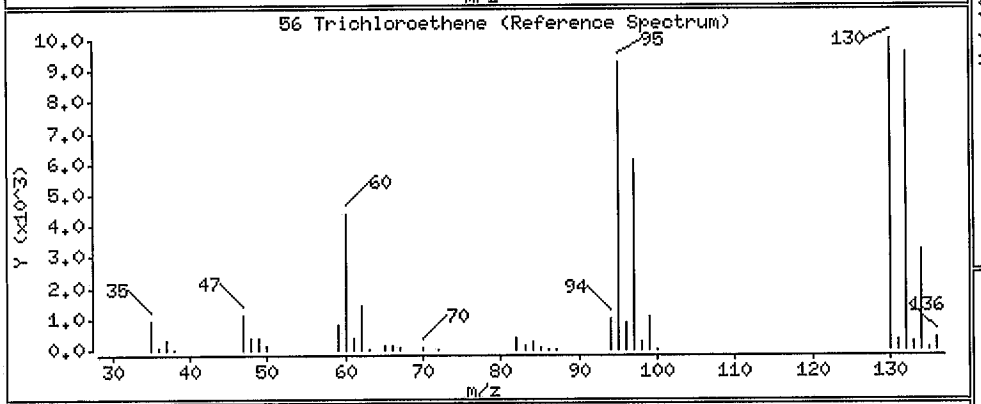
Purge Volume: 500.0 Operator: 7126

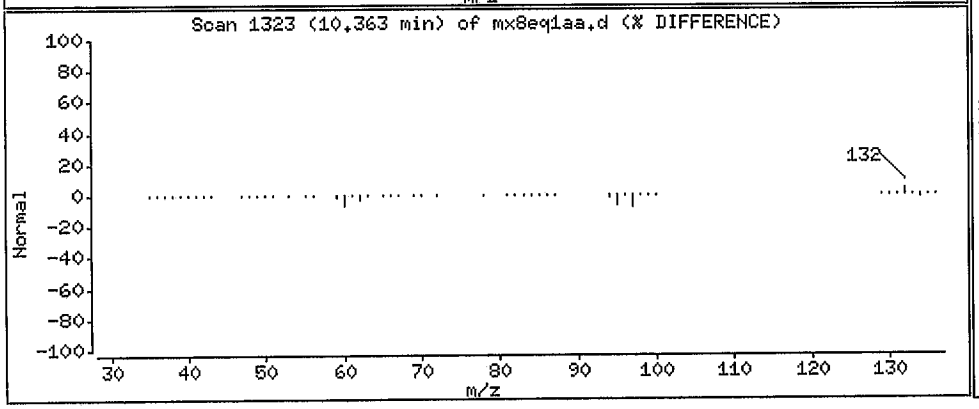
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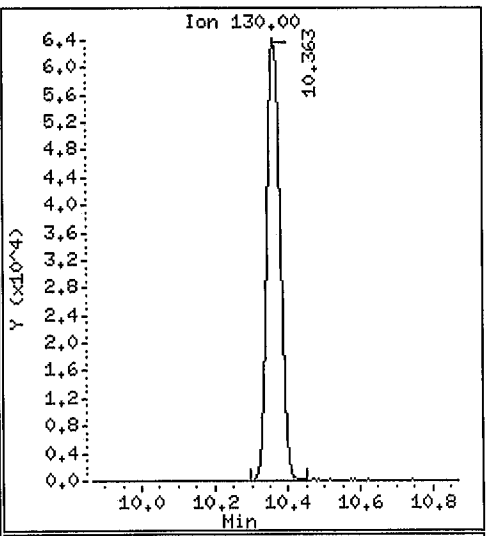
56 Trichloroethene Concentration: 3.530 ppb(v/v)

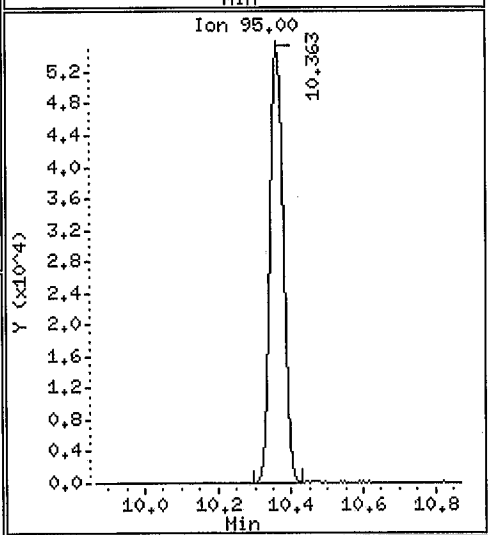


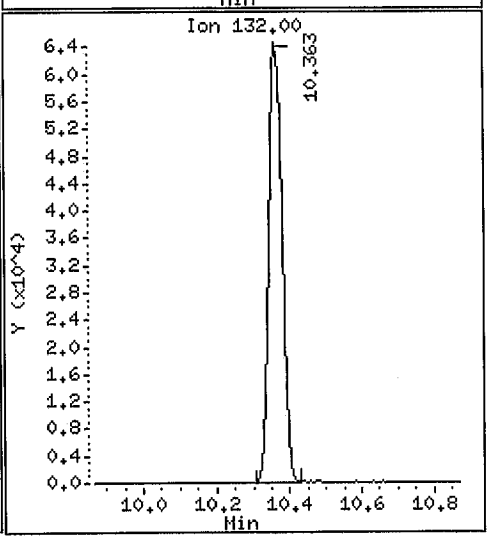












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

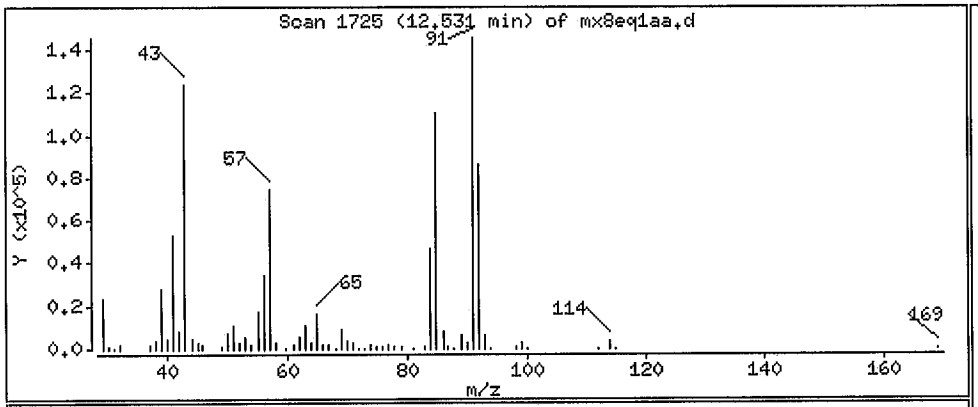
Client ID: 828076-SS-003B3-04 Instrument: mg.i

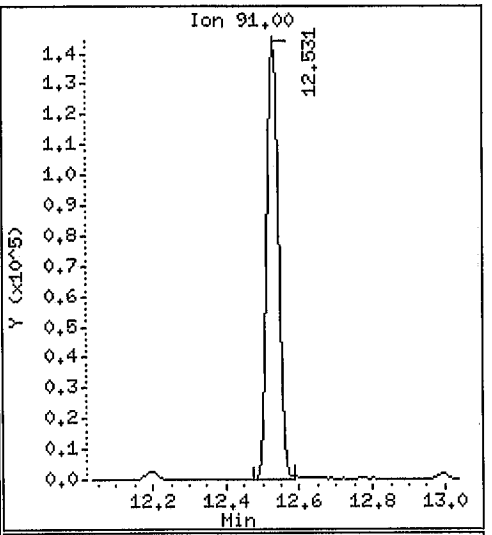
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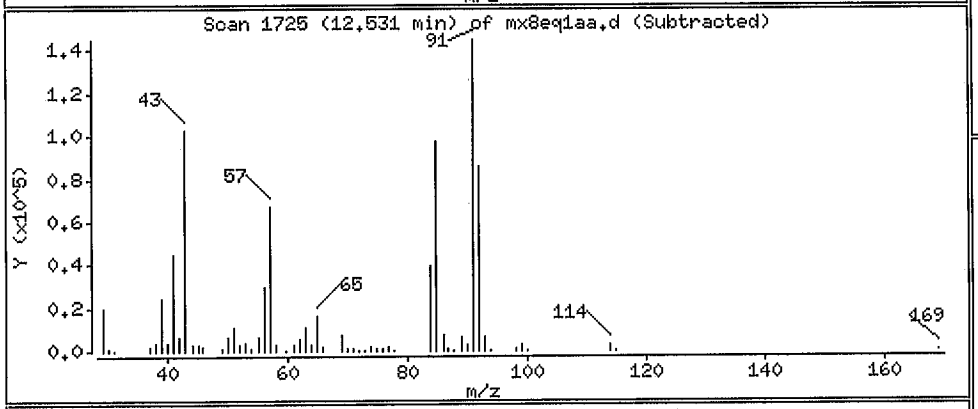
Purge Volume: 500.0 Operator: 7126

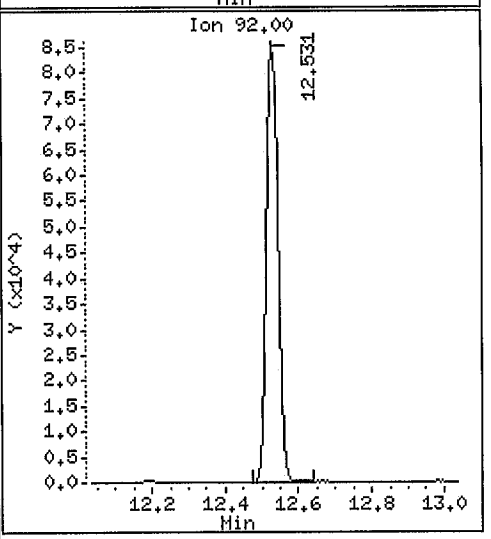
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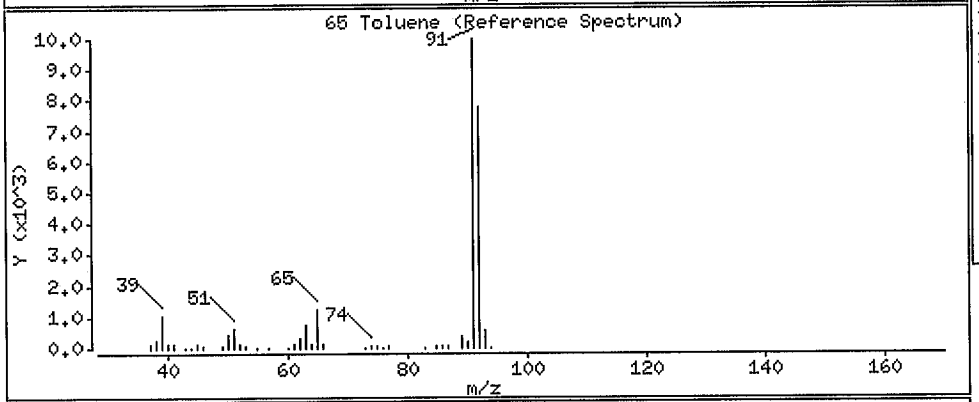
65 Toluene Concentration: 3.285 ppb(v/v)

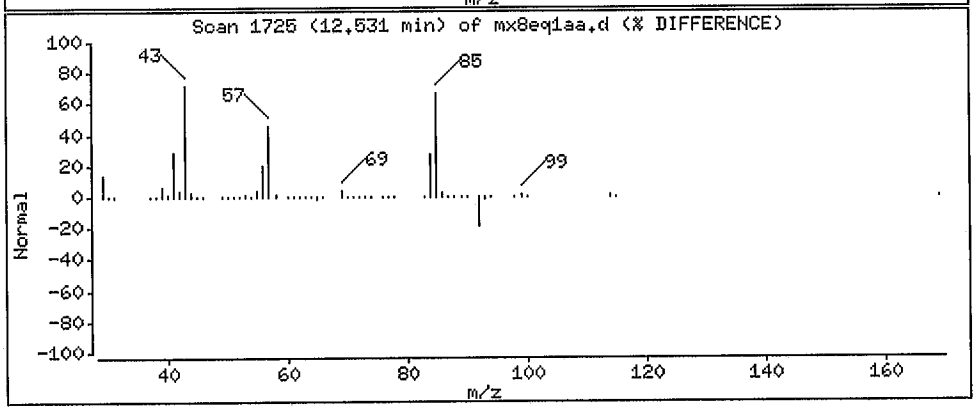












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

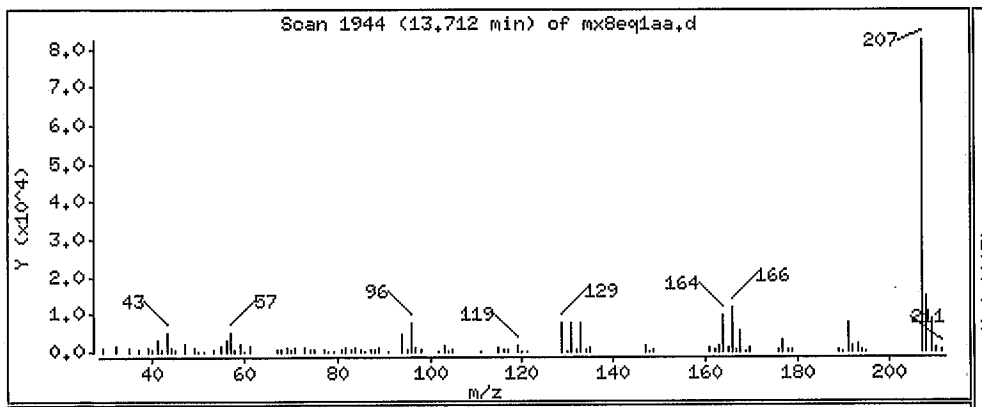
Client ID: 828076-SS-003B3-04 Instrument: mg.i

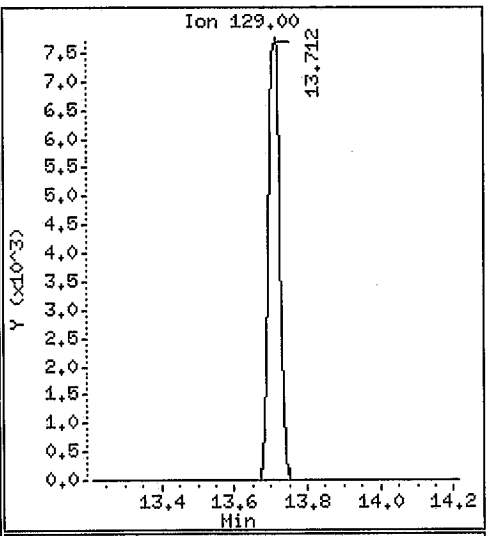
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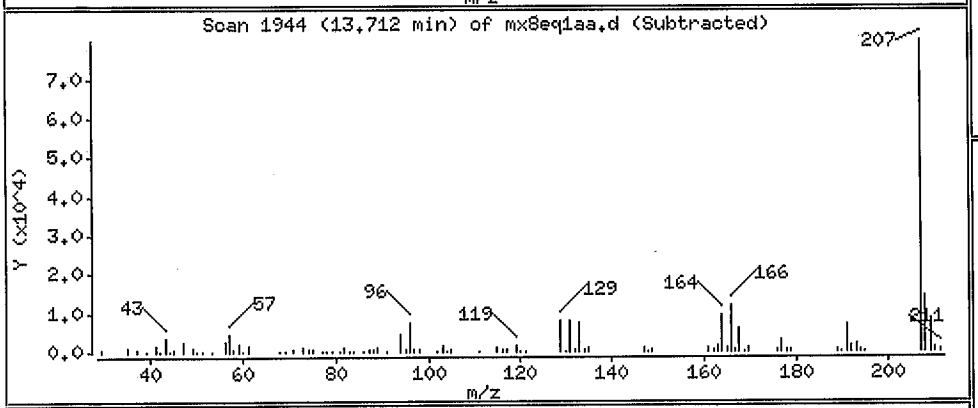
Purge Volume: 500.0 Operator: 7126

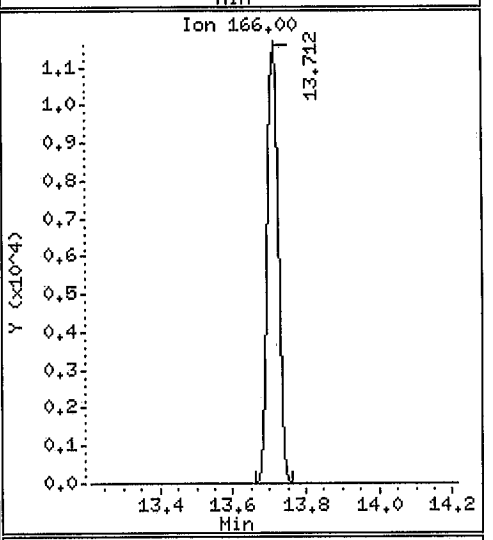
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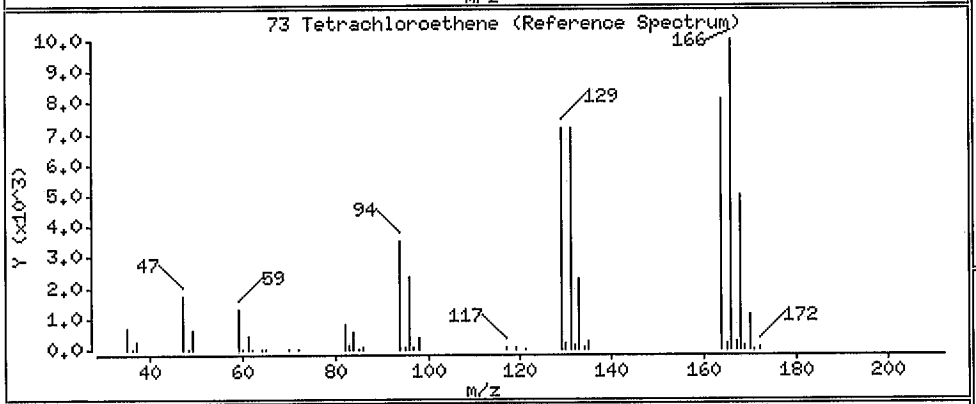
73 Tetrachloroethene Concentration: 0.4401 ppb(v/v)

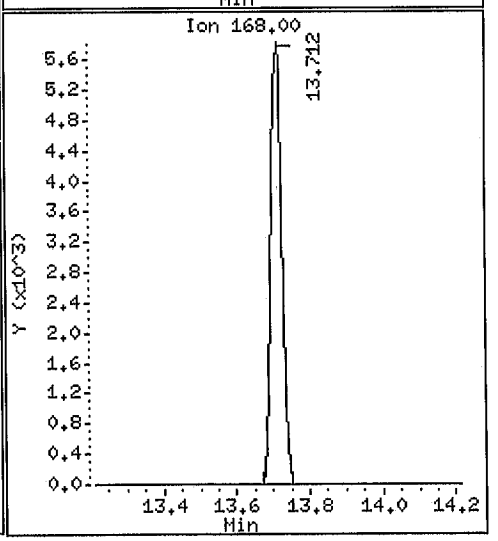


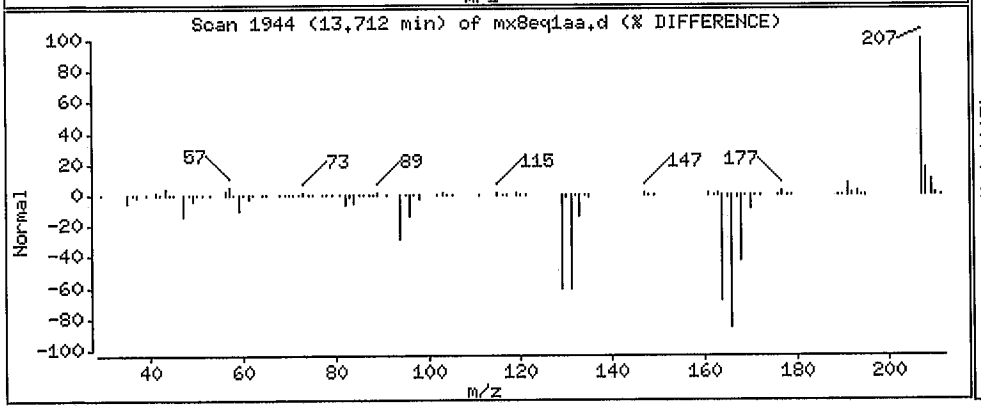












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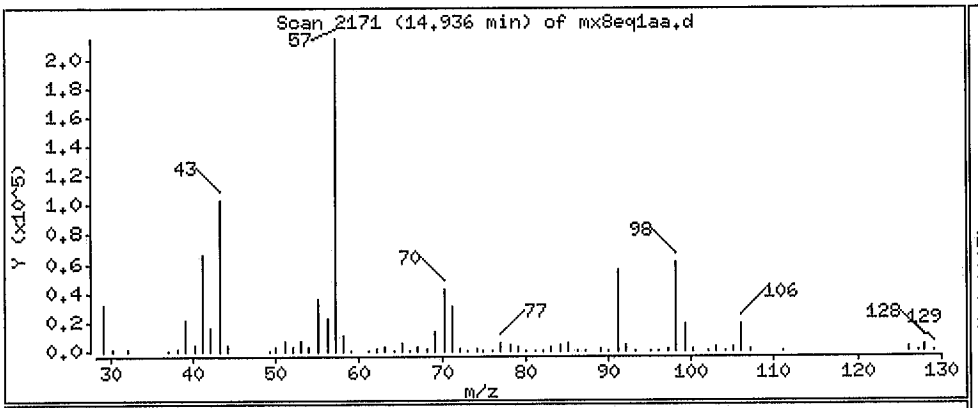
Client ID: 828076-SS-003B3-04 Instrument: mg.i

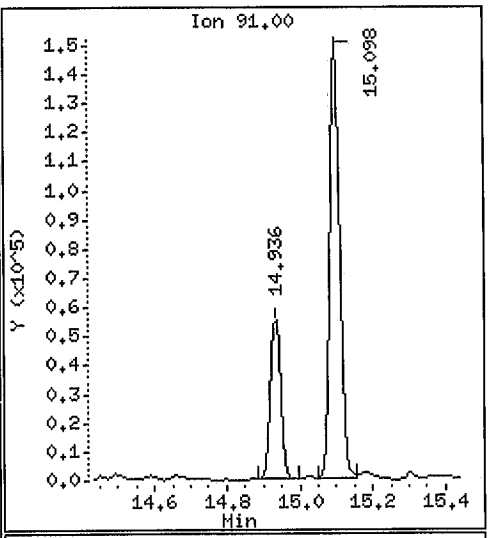
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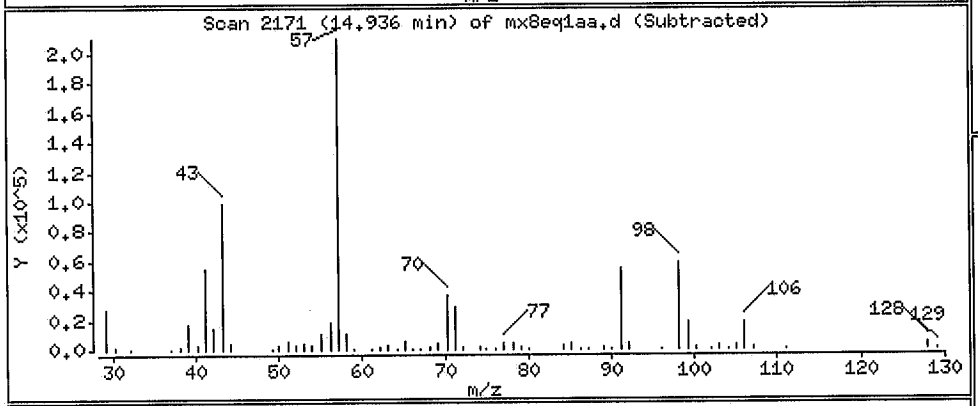
Purge Volume: 500.0 Operator: 7126

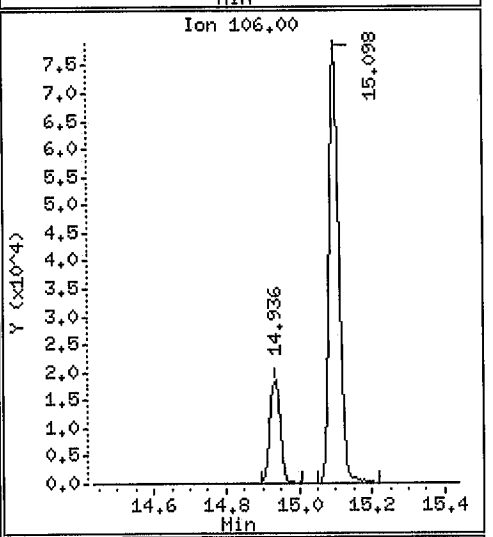
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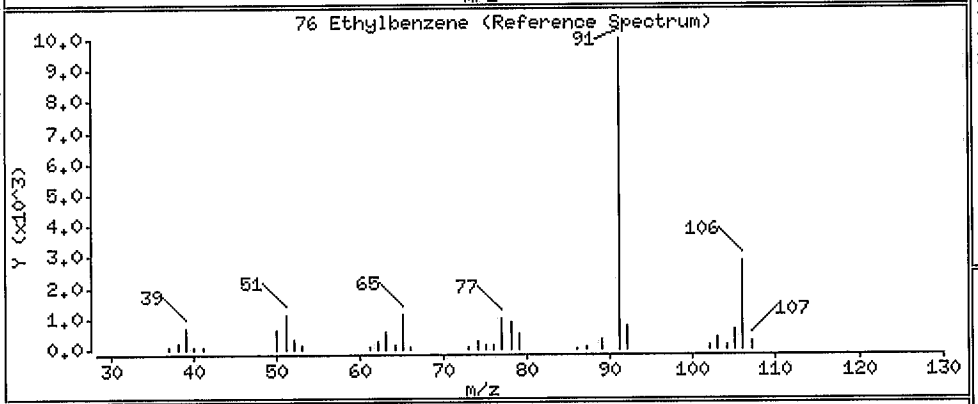
76 Ethylbenzene Concentration: 0.9173 ppb(v/v)

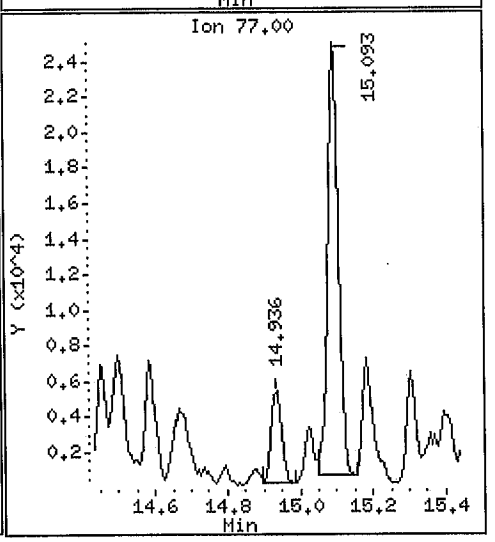


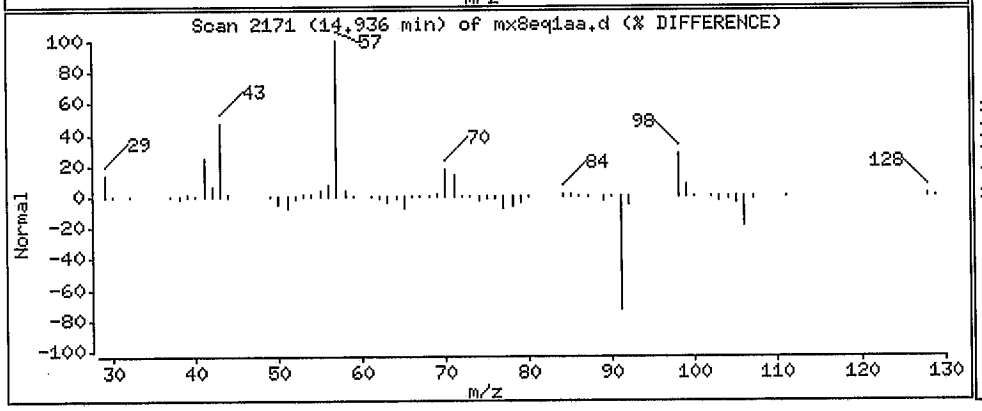












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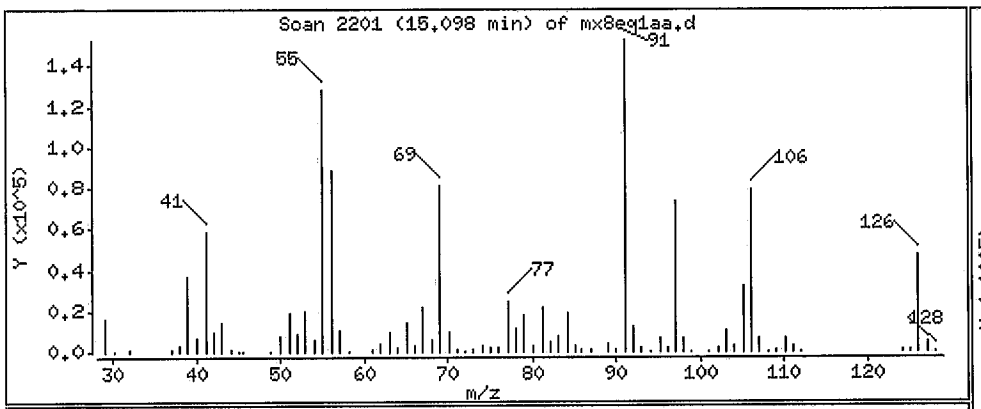
Client ID: 828076-SS-003B3-04 Instrument: mg.i

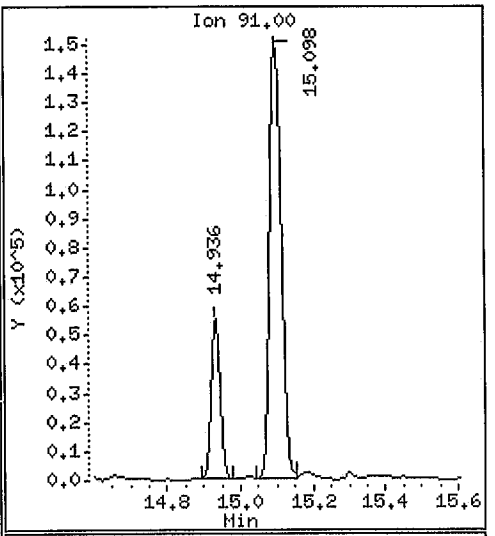
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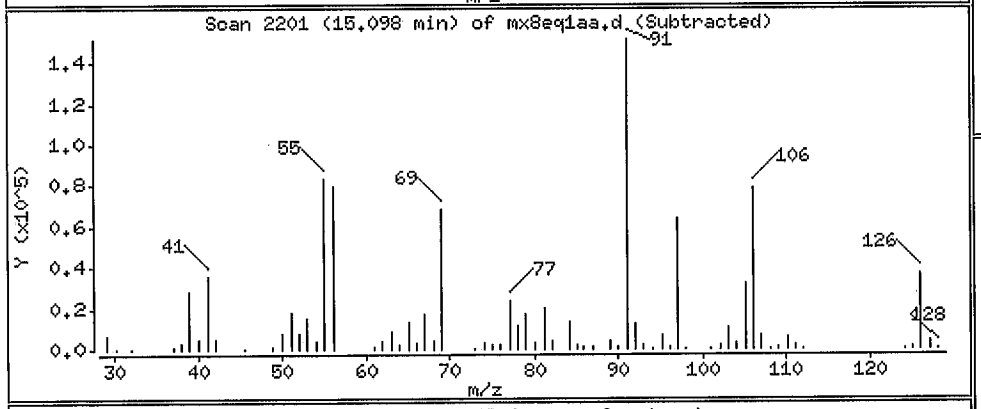
Purge Volume: 500.0 Operator: 7126

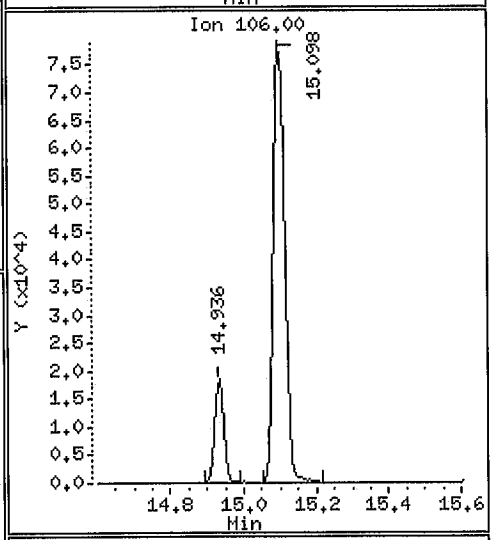
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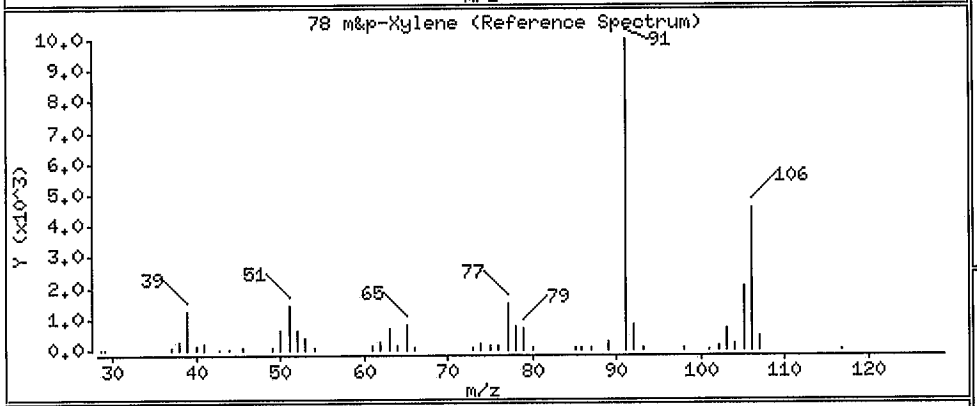
78 m&p-Xylene Concentration: 3.592 ppb(v/v)

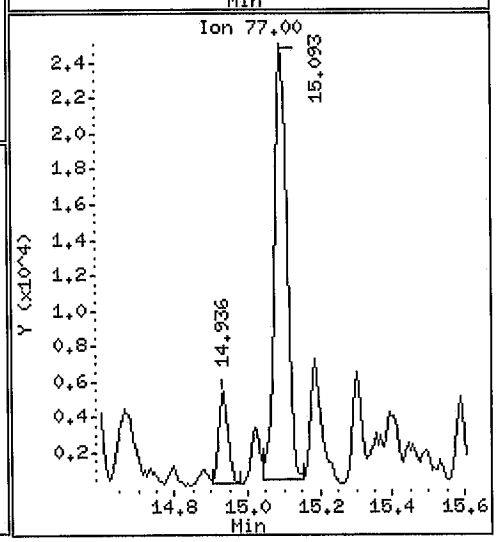


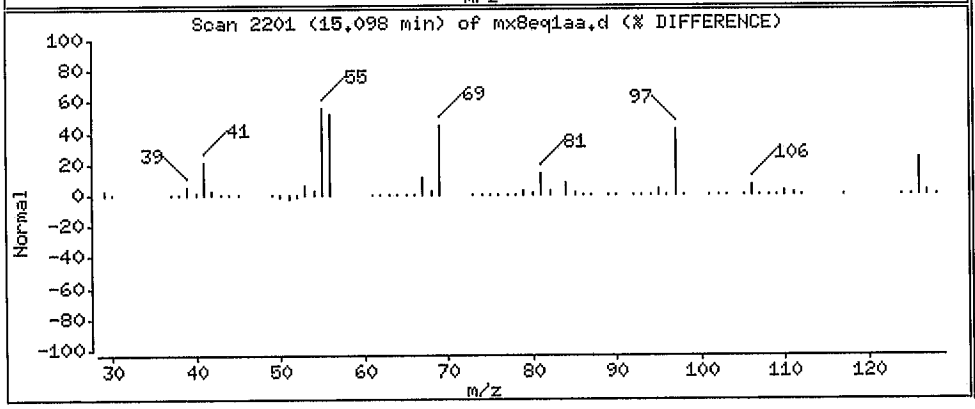












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

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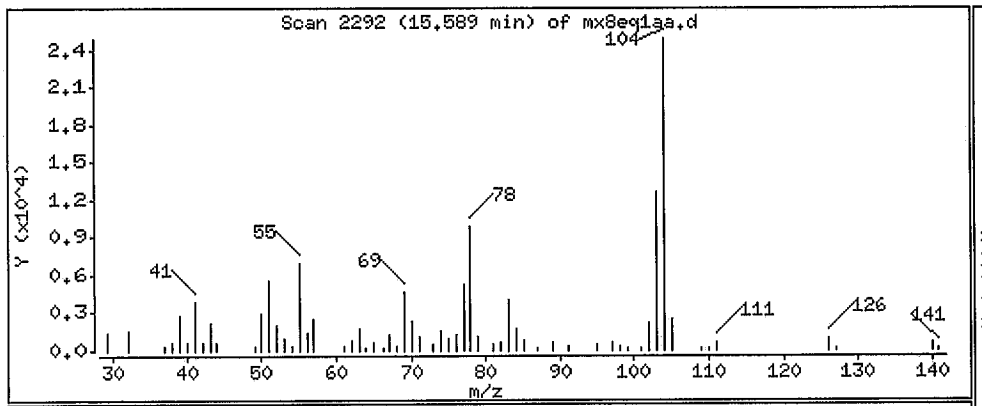
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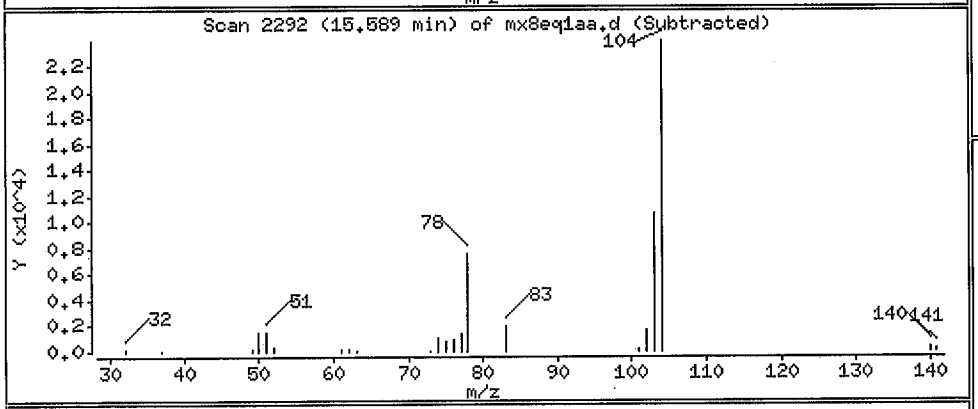
Sample Info: ,5,0,,,

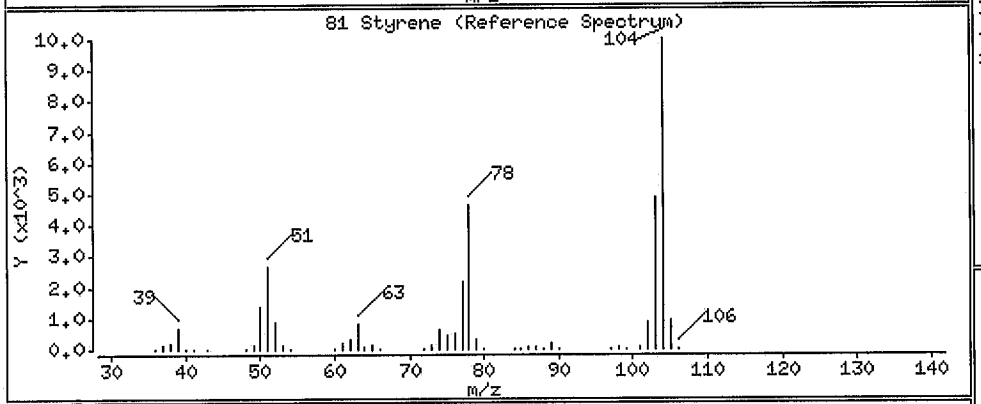
Purge Volume: 500.0 Operator: 7126

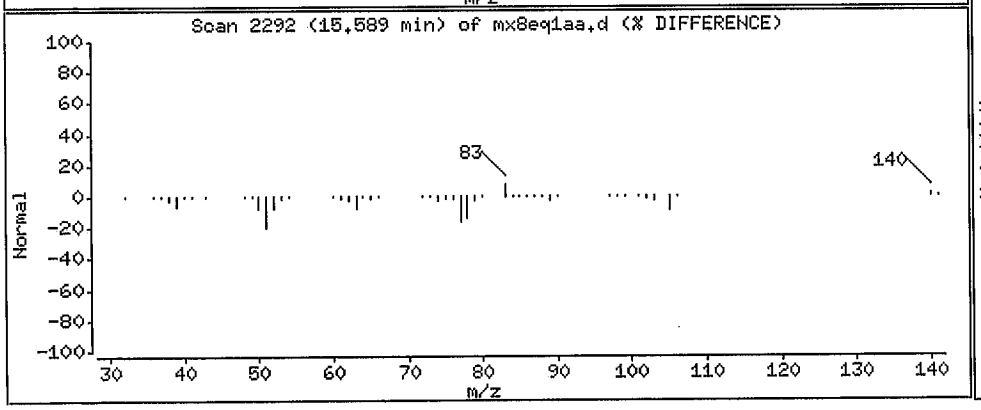
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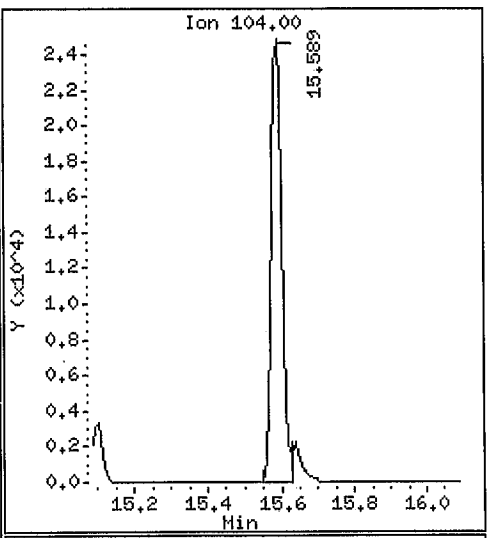
81 Styrene Concentration: 0.7411 ppb(v/v)

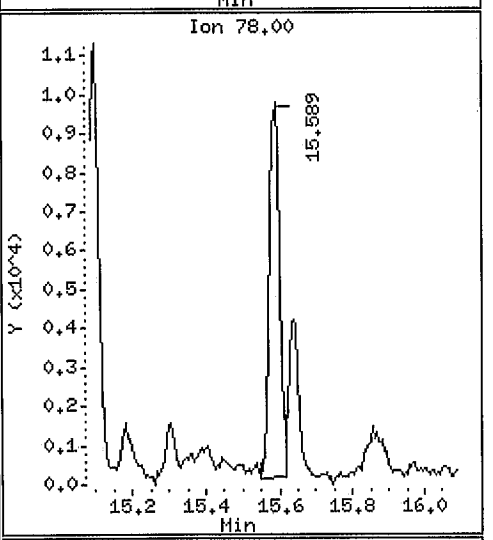


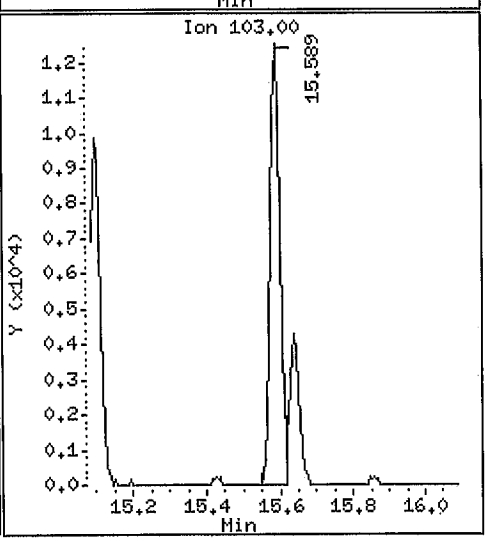












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

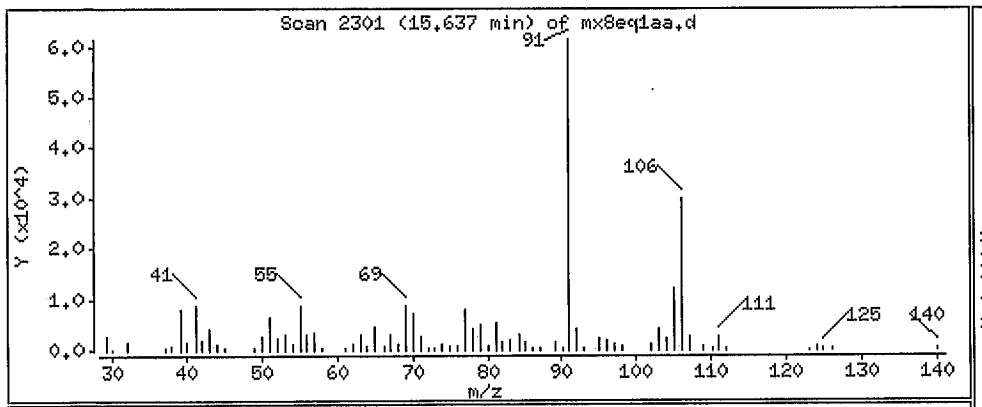
Client ID: 828076-SS-003B3-04 Instrument: mg.i

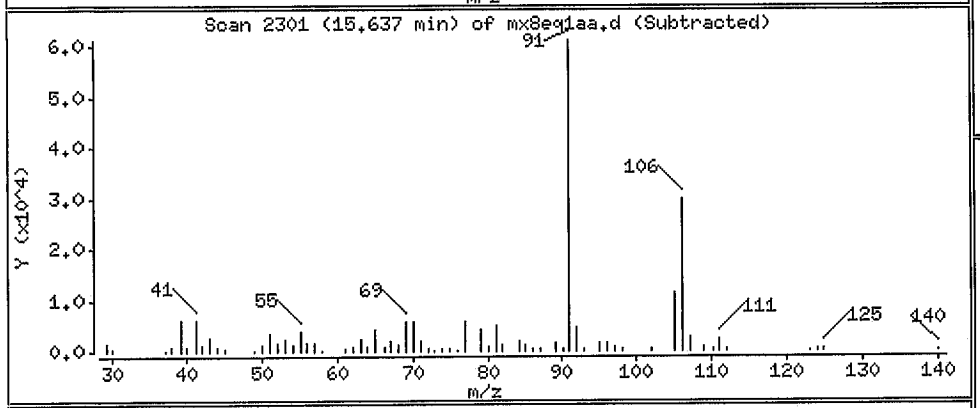
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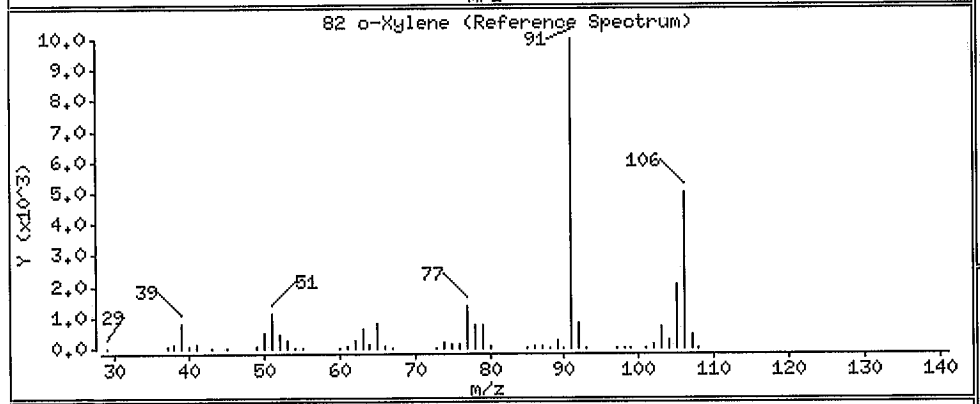
Purge Volume: 500.0 Operator: 7126

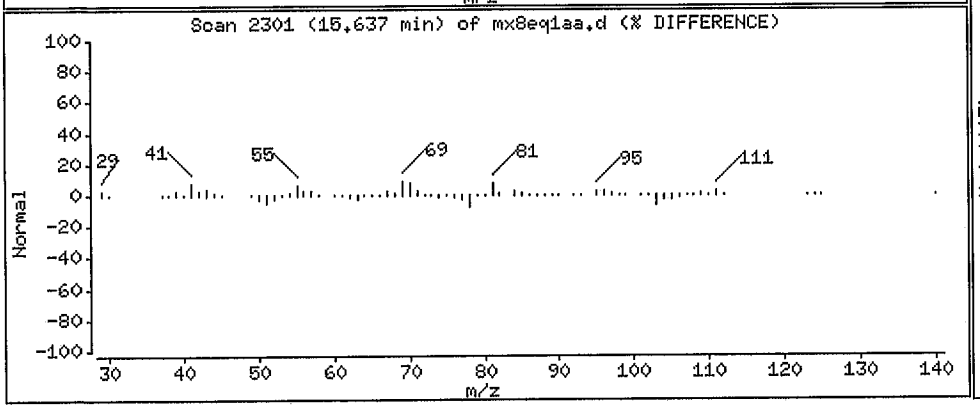
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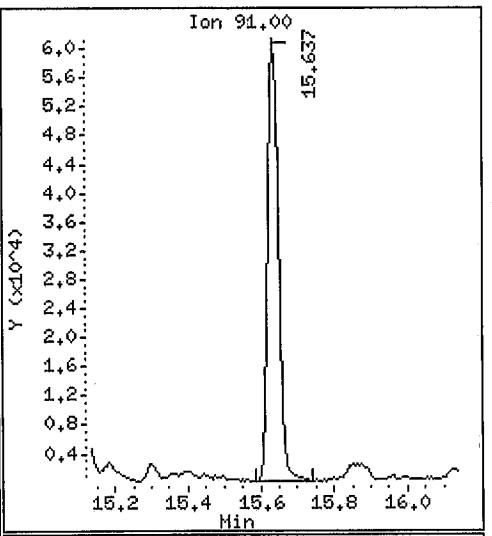
82 o-Xylene Concentration: 1.300 ppb(v/v)

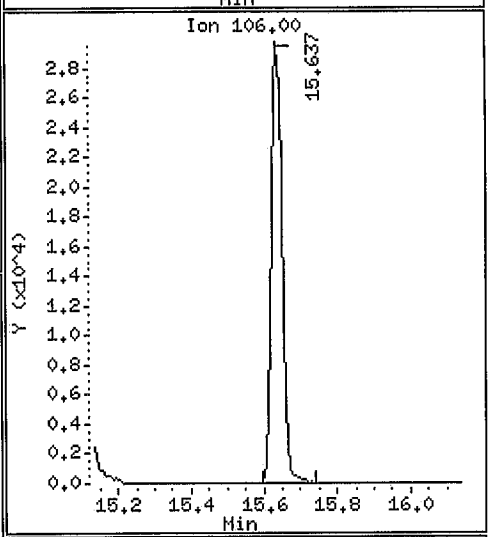


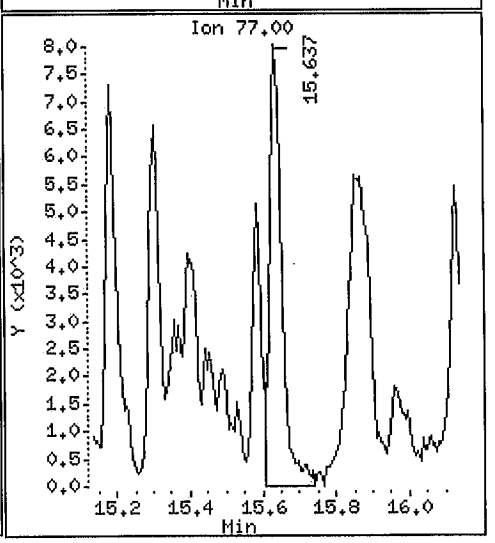












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

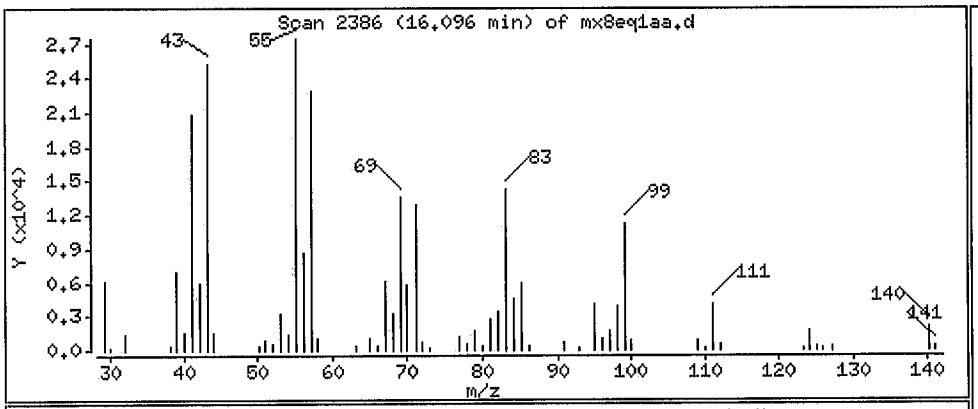
Client ID: 828076-SS-003B3-04 Instrument: mg.i

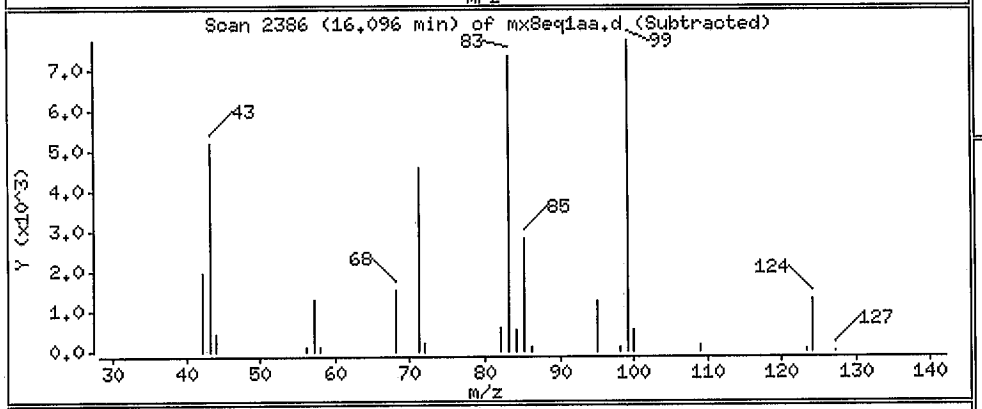
Sample Info: ,5,0,,,

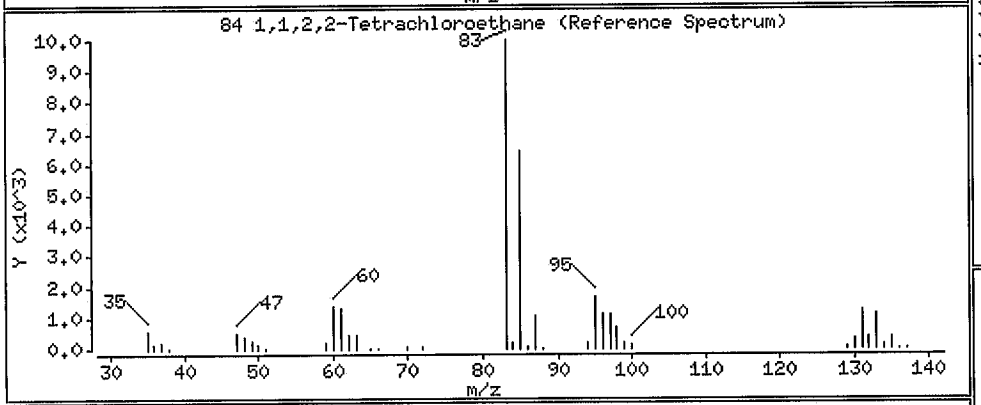
Purge Volume: 500.0 Operator: 7126

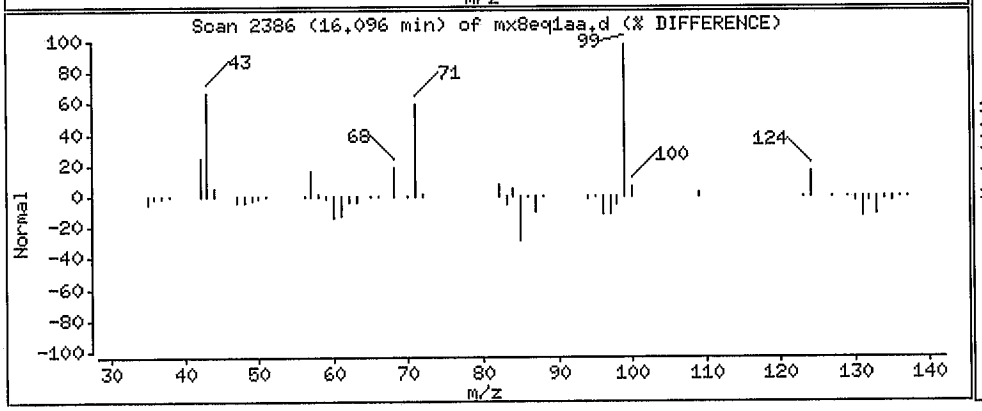
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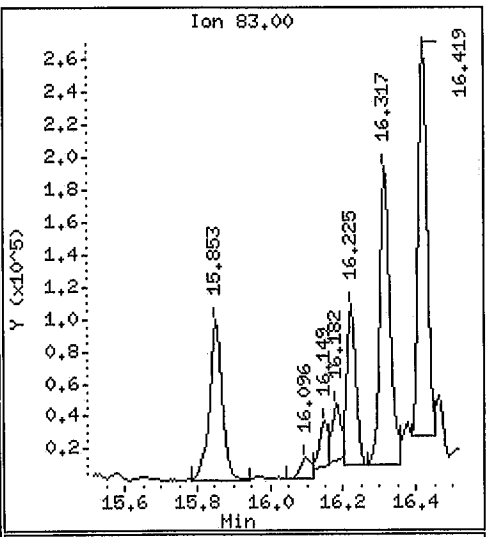
84 1,1,2,2-Tetrachloroethane Concentration: 0.4720 ppb(v/v)

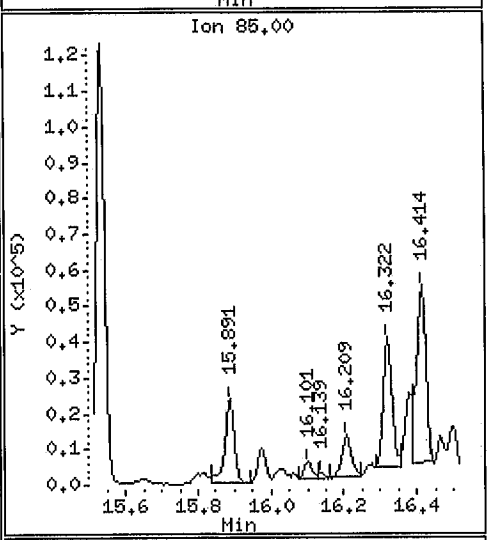


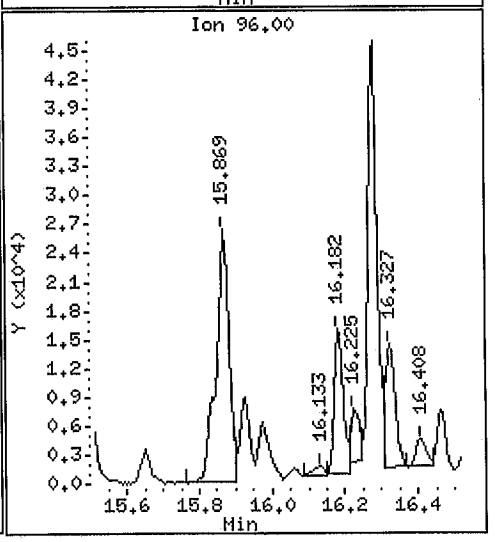












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8eq1aa.d

Date : 01-MAR-2013 17:01

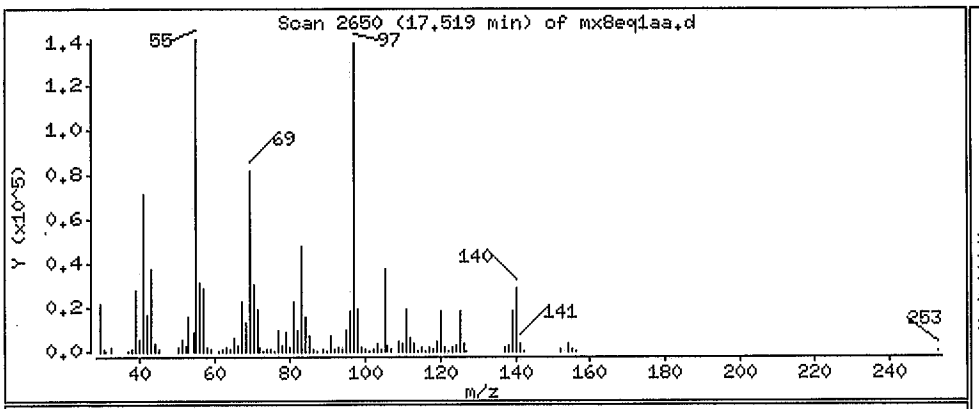
Client ID: 828076-SS-003B3-04 Instrument: mg.i

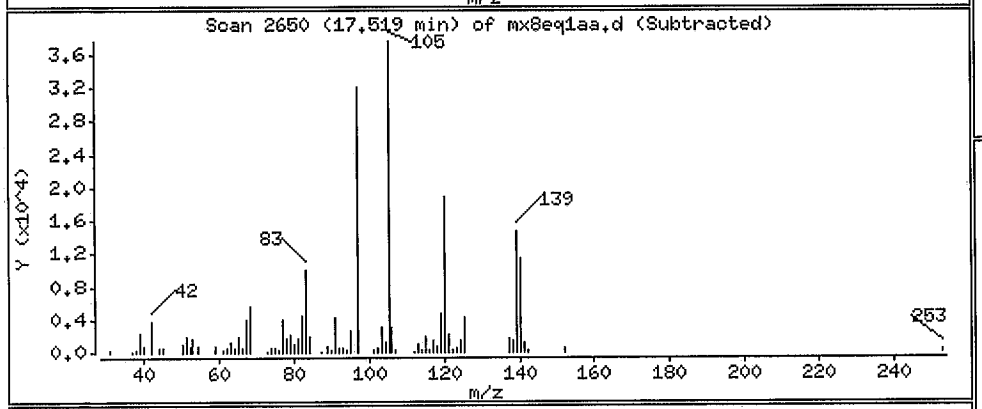
Sample Info: ,5,0,,,

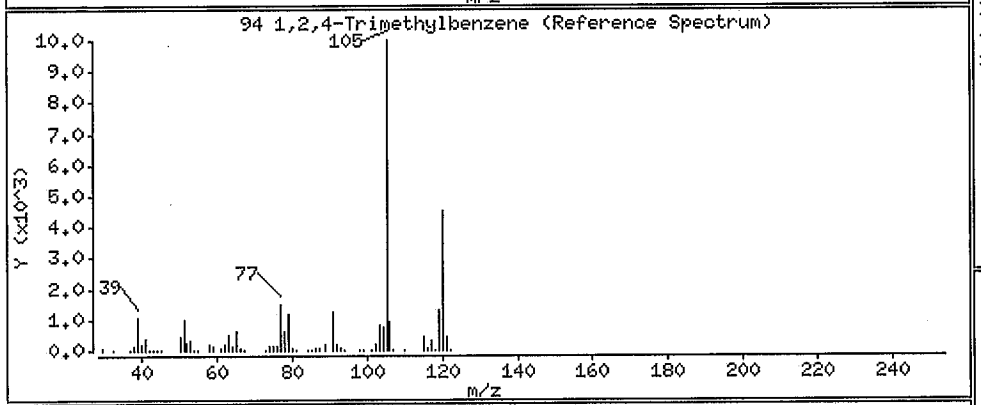
Purge Volume: 500.0 Operator: 7126

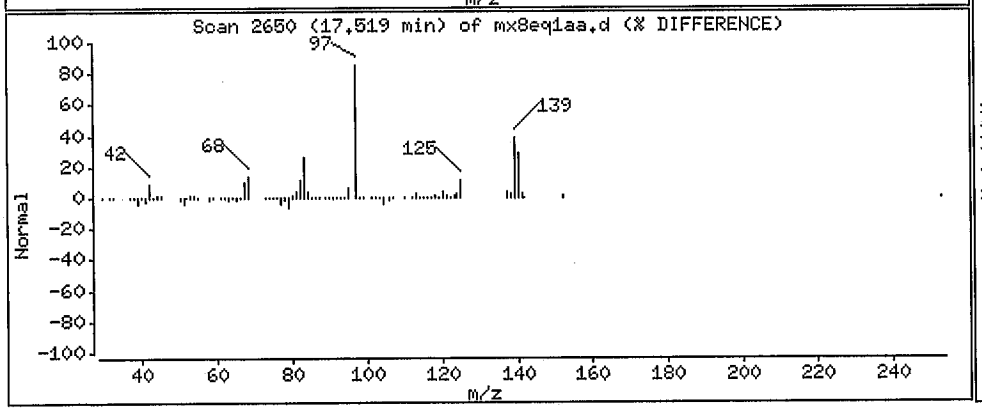
Column phase: Rtx-5 Column diameter: 0.32

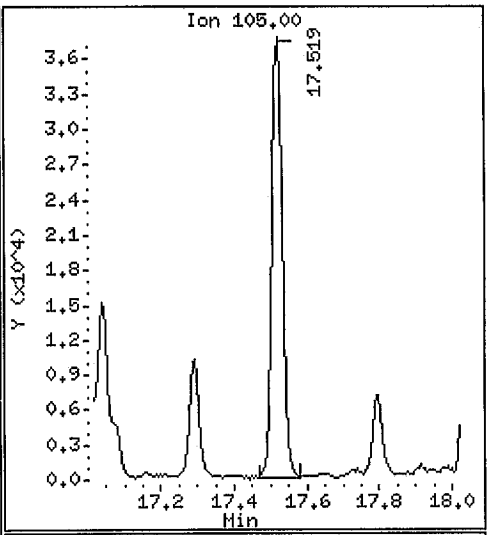
94 1,2,4-Trimethylbenzene Concentration: 0.6919 ppb(v/v)

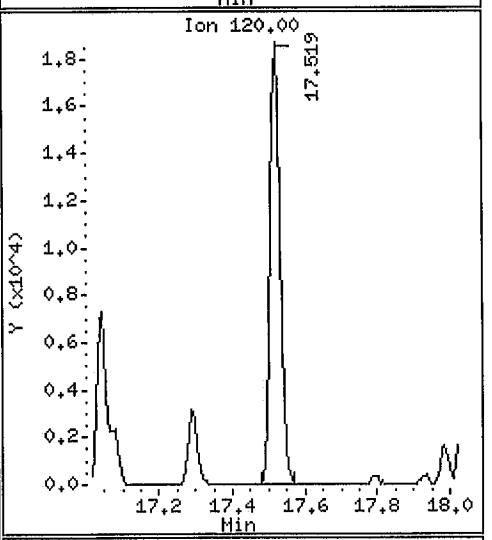


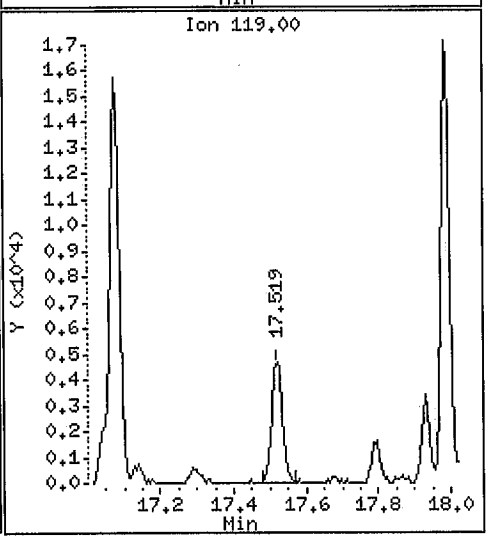












New York State D.E.C.

Client Sample ID: 828076-IA-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 013 **Work Order #** MX8ET1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.19**	**0.080**	**0.60**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.098**	**0.040**	**0.62**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.10**	**0.080**	**0.50**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.62**	**0.20**	**1.3**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.48**	**0.080**	**2.4**	**0.40**
Ethanol	**47**	**0.80**	**89**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.32**	**0.20**	**1.1**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 013 **Work Order #** MX8ET1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.27**	**0.080**	**1.0**	**0.30**
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.18**	**0.040**	**0.96**	**0.21**
Trichlorofluoromethane	**0.38**	**0.080**	**2.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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/mr.i/R022813.b/mx8et1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d
Lab Smp Id: MX8ET1AA Client Smp ID: 828076-IA-003B3-05
Inj Date : 01-MAR-2013 03:24
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

03/05/13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.088	9.088	(1.000)	287152	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1503887	4.00000	4.000
* 3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1261136	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	922139	4.17640	4.176
7 Dichlorodifluoromethane	85	4.246	4.241	(0.467)	144656	0.48343	0.4834
8 Chloromethane	52	4.419	4.419	(0.486)	22591	0.61764	0.6176
20 Trichlorofluoromethane	101	5.680	5.675	(0.625)	109788	0.37764	0.3776
33 Carbon Disulfide	76	6.824	6.824	(0.751)	4573	0.01384	0.01384 NA
40 Hexane	56	8.420	8.414	(0.926)	31344	0.31769	0.3177
39 2-Butanone	72	8.361	8.344	(0.920)	18115	0.31421	0.3142
43 Chloroform	83	9.105	9.105	(1.002)	23693	0.10293	0.1029
48 Benzene	78	10.706	10.706	(0.950)	71837	0.18871	0.1887
50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	19227	0.09777	0.09777
54 Heptane	71	11.968	11.968	(1.062)	16201	0.12128	0.1213 NA
56 Trichloroethene	130	12.070	12.070	(1.071)	30183	0.17825	0.1782
65 Toluene	91	14.632	14.632	(0.837)	141732	0.27086	0.2709

Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d
Report Date: 01-Mar-2013 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
17 ~ ethanol	31	5.233	5.222	(0.576)	1853333	47.0597	47.06

Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8et1aa.d
Lab Smp Id: MX8ET1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B3-05
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	287152	-34.34
2 1,4-Difluorobenze	2178721	1296339	3061103	1503887	-30.97
3 Chlorobenzene-d5	1632809	971521	2294097	1261136	-22.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.00
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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.

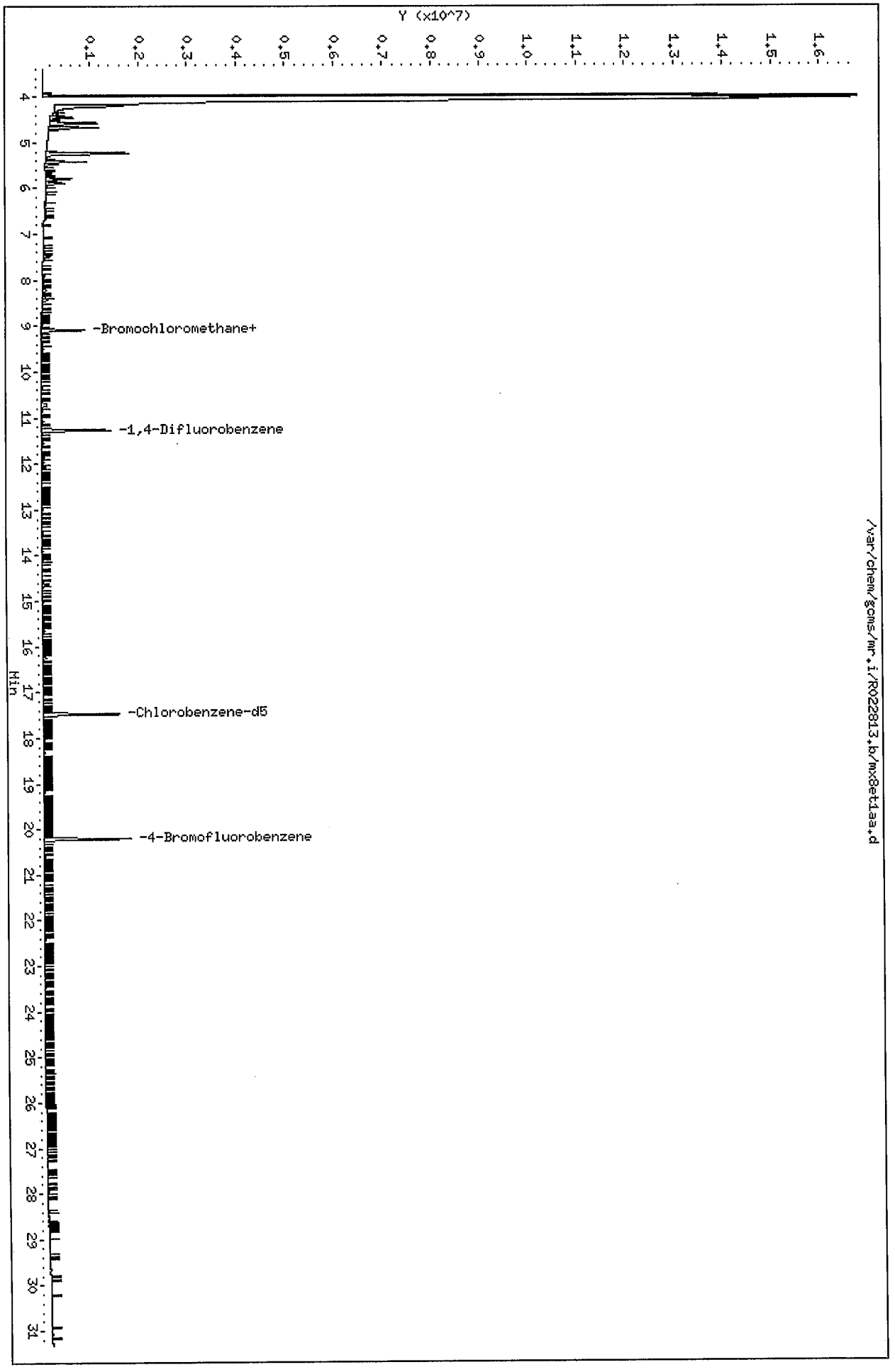
Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8ET1AA Client Smp ID: 828076-IA-003B3-05
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.176	104.41	70-130


Data File: /var/chem/gcms/mr.i/R022813.b/mx8etlaa.d
Date : 01-MAR-2013 03:24
Client ID: 828076-IA-00383-05
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mr.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mr.i/R022813.b/mx8etlaa.d
Y (x10^7)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

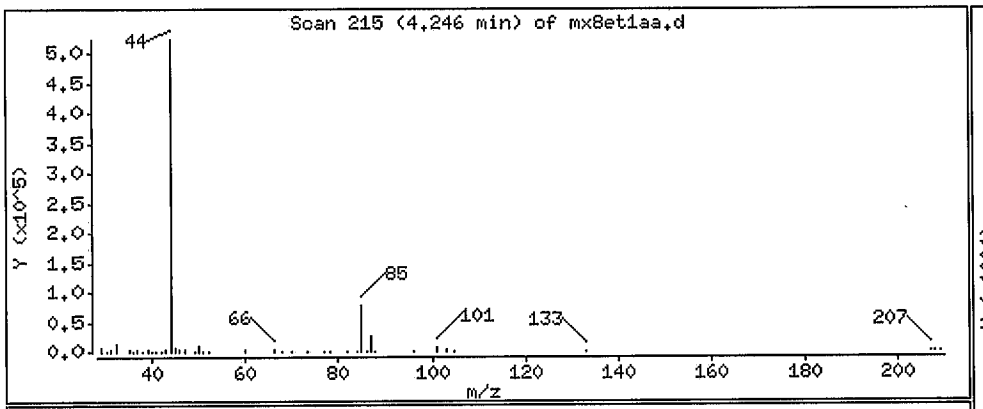
Client ID: 828076-IA-003B3-05 Instrument: mr.i

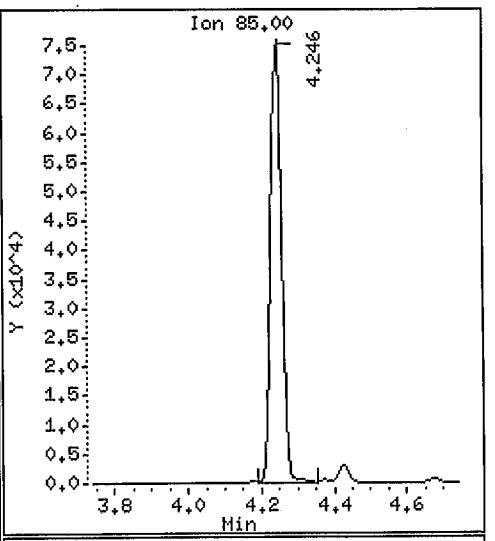
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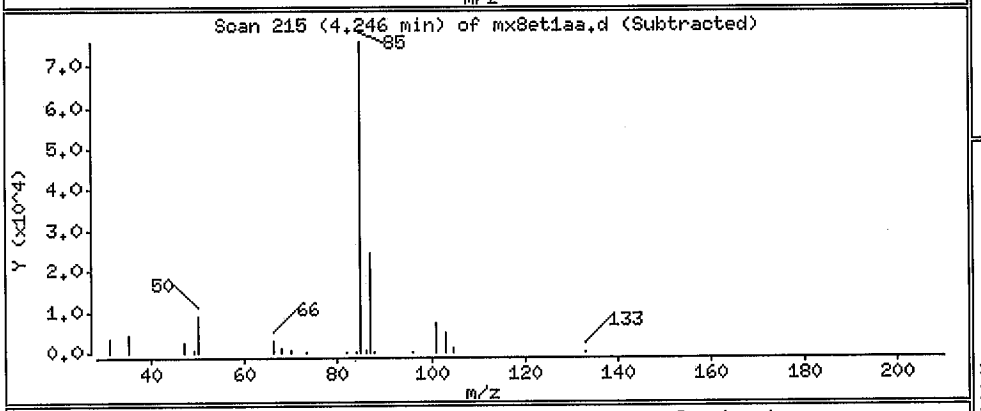
Purge Volume: 500.0 Operator: 403648

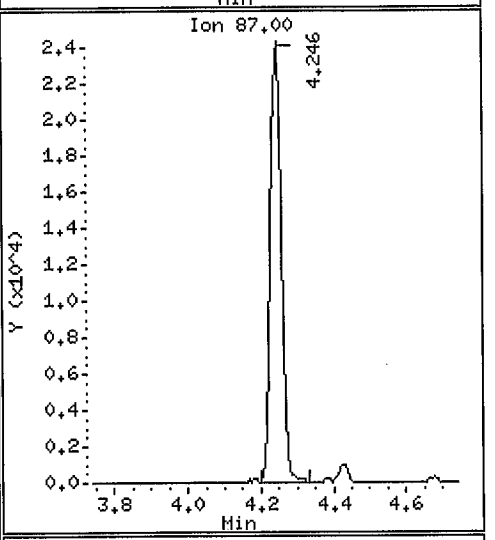
Column phase: Rtx-5 Column diameter: 0.32

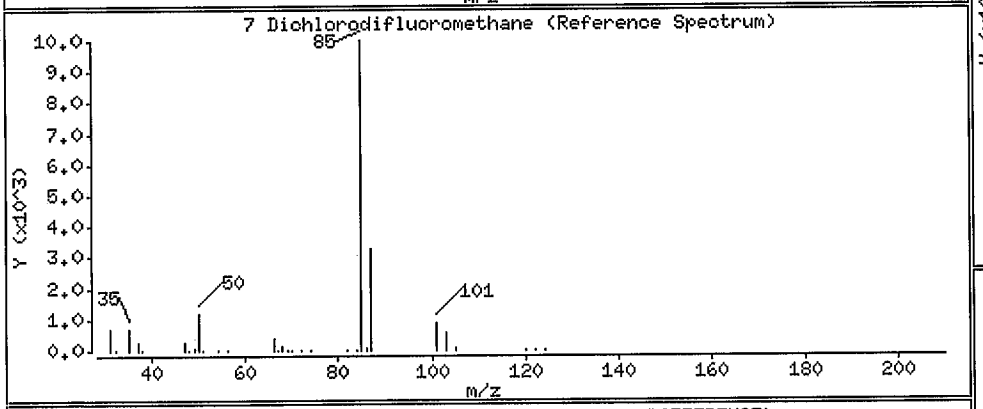
7 Dichlorodifluoromethane Concentration: 0.4834 ppb(v/v)

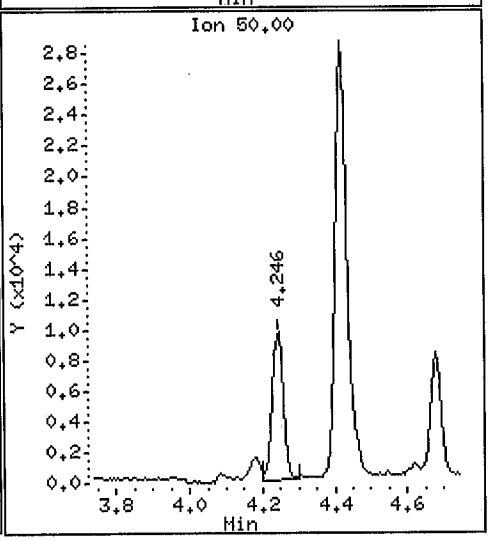


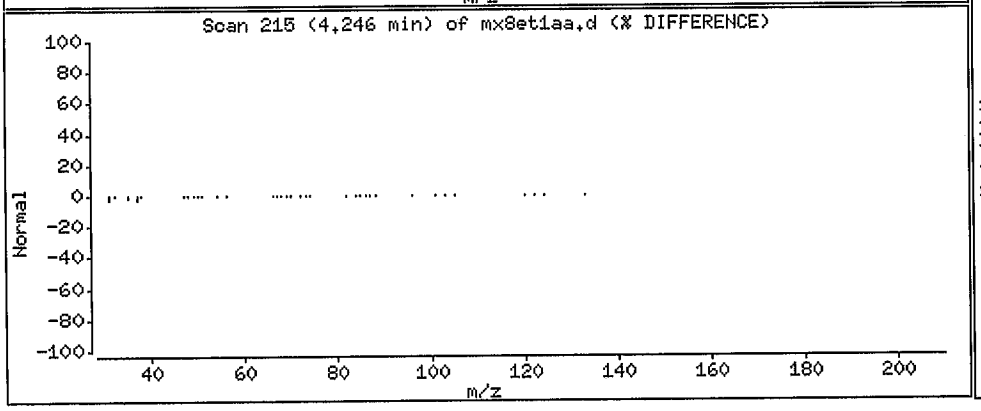












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

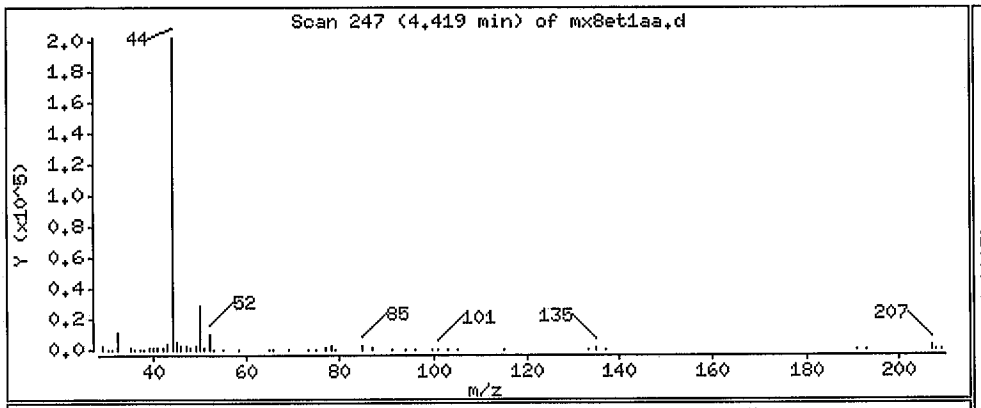
Client ID: 828076-IA-003B3-05 Instrument: mr.i

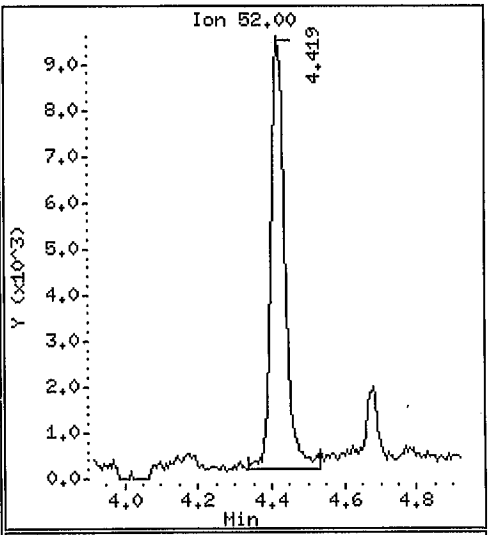
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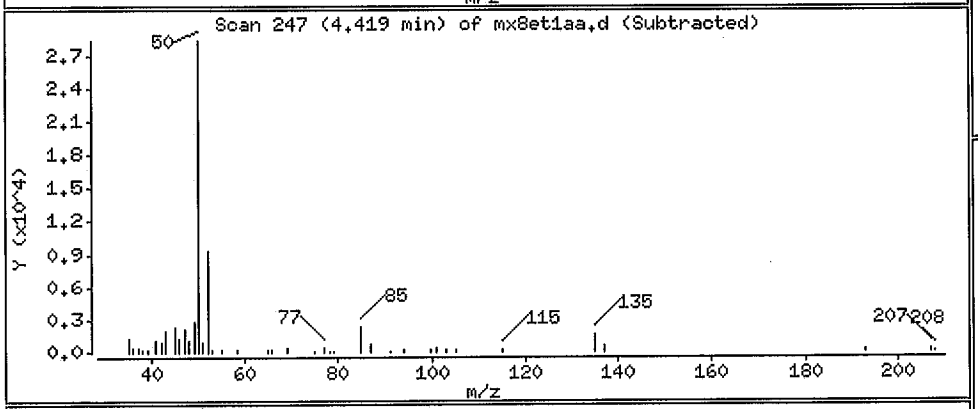
Purge Volume: 500.0 Operator: 403648

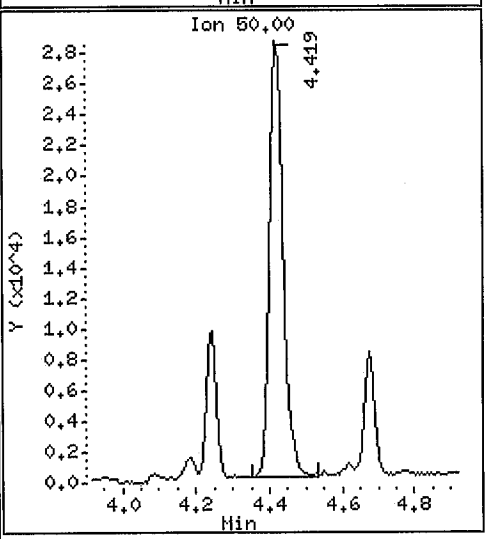
Column phase: Rtx-5 Column diameter: 0.32

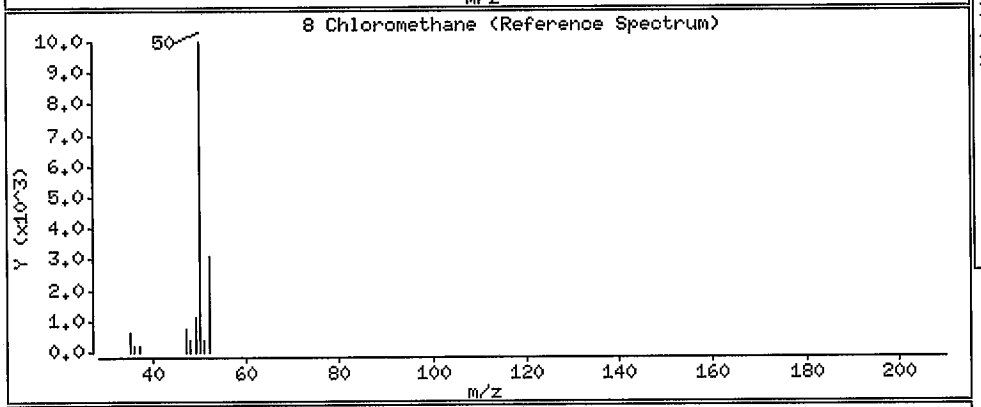
8 Chloromethane Concentration: 0.6176 ppb(v/v)

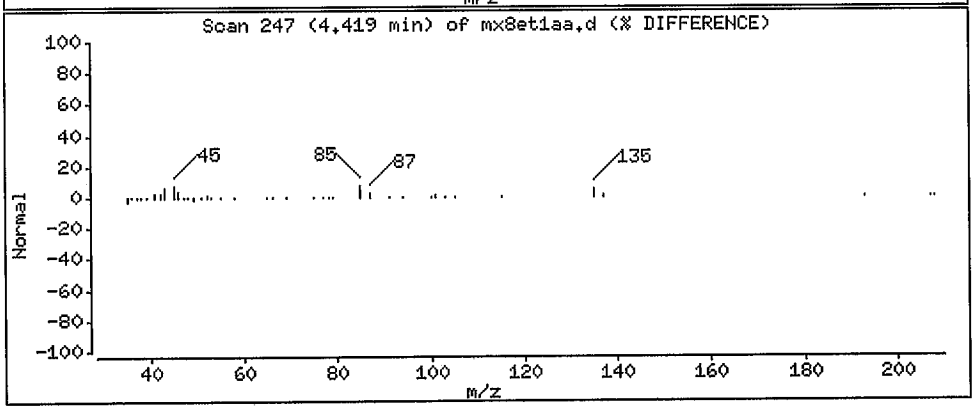












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

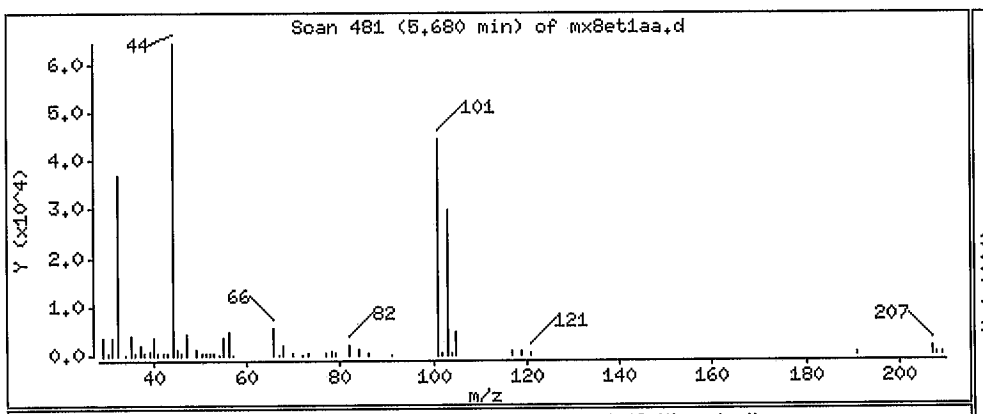
Client ID: 828076-IA-003B3-05 Instrument: mr.i

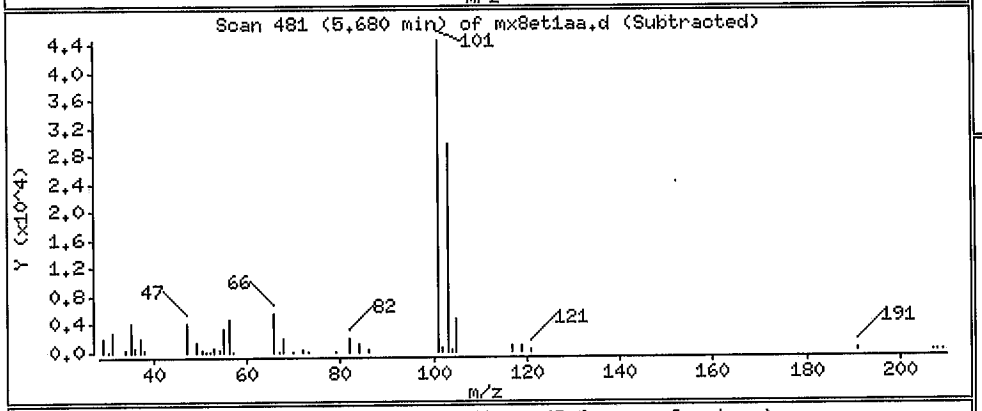
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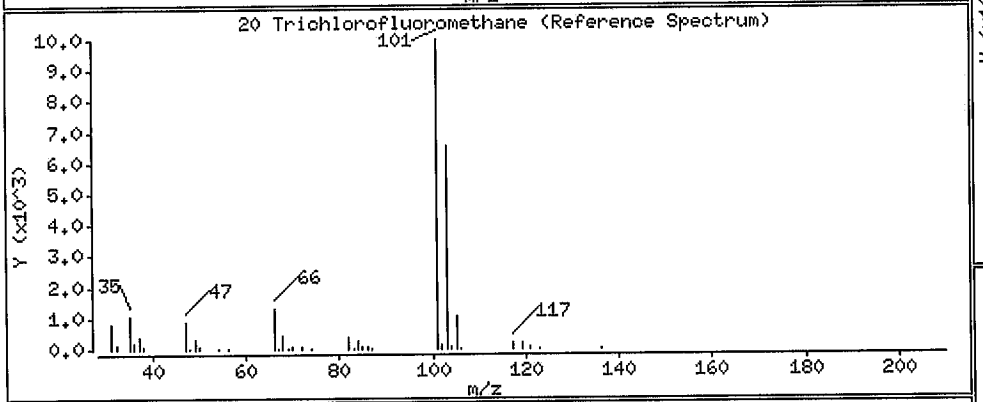
Purge Volume: 500.0 Operator: 403648

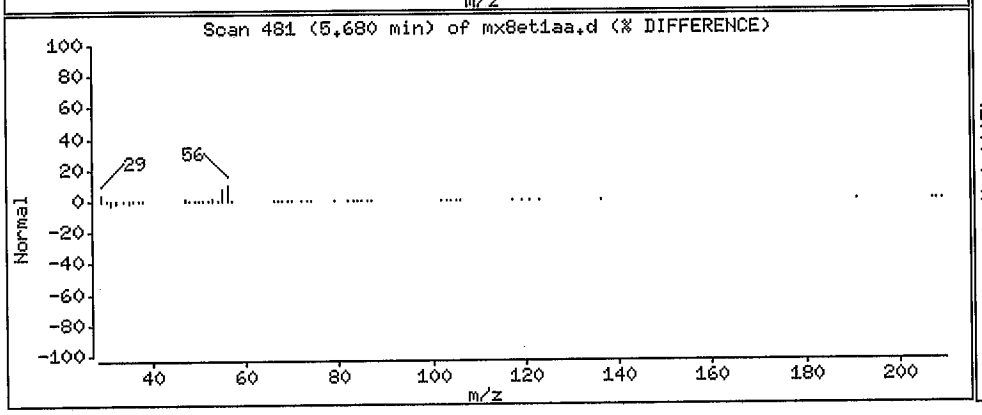
Column phase: Rtx-5 Column diameter: 0.32

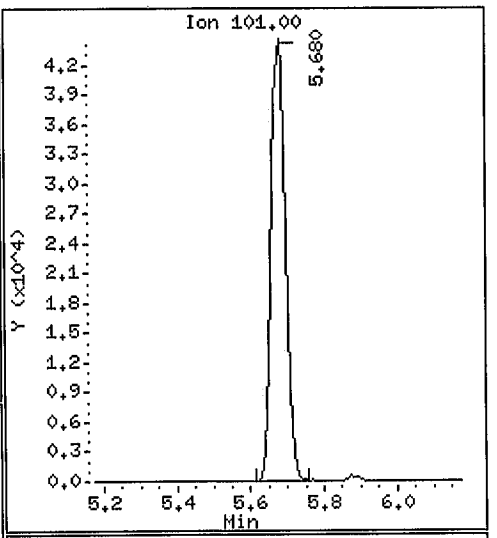
20 Trichlorofluoromethane Concentration: 0.3776 ppb(v/v)

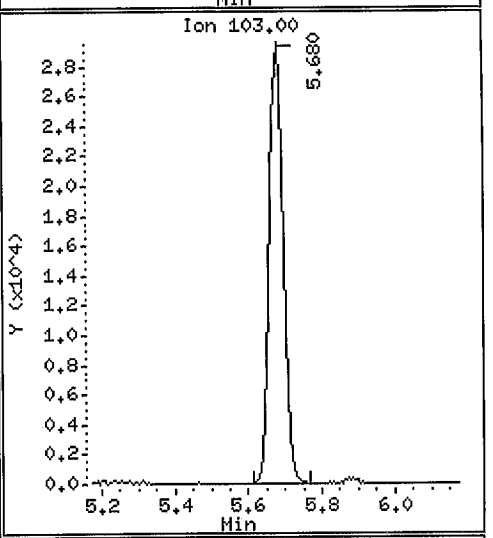


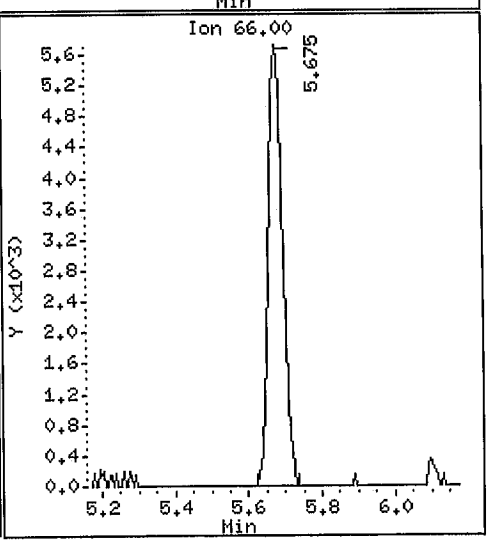












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

Client ID: 828076-IA-003B3-05

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

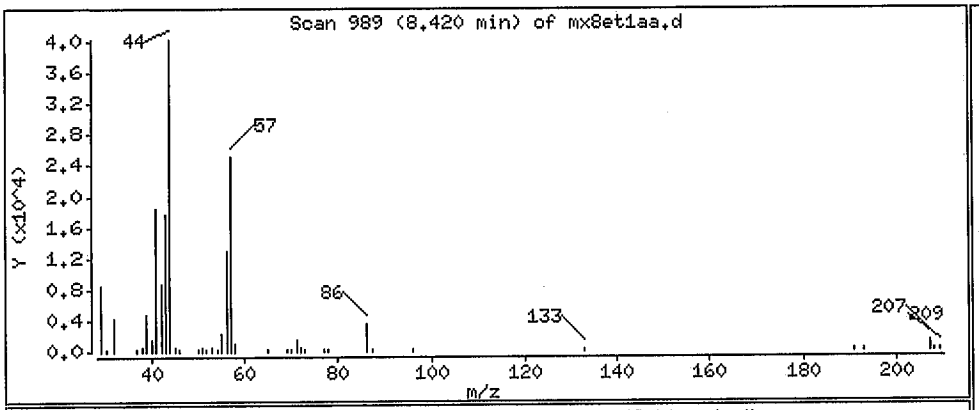
Operator: 403648

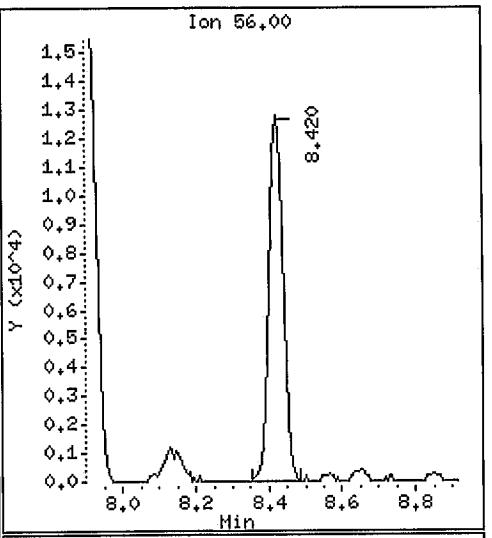
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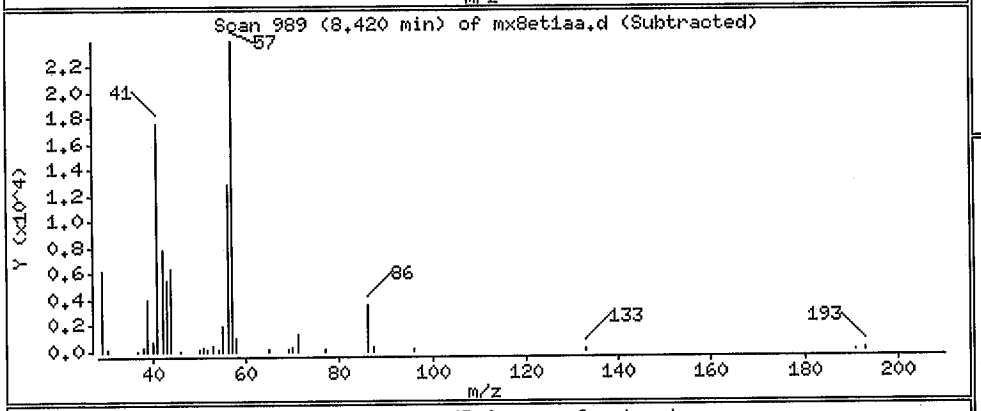
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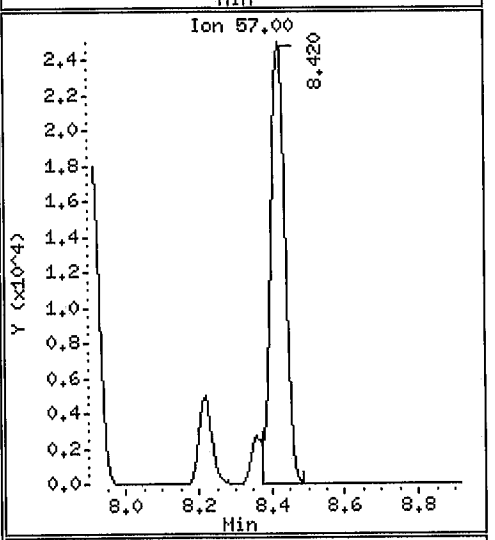
40 Hexane

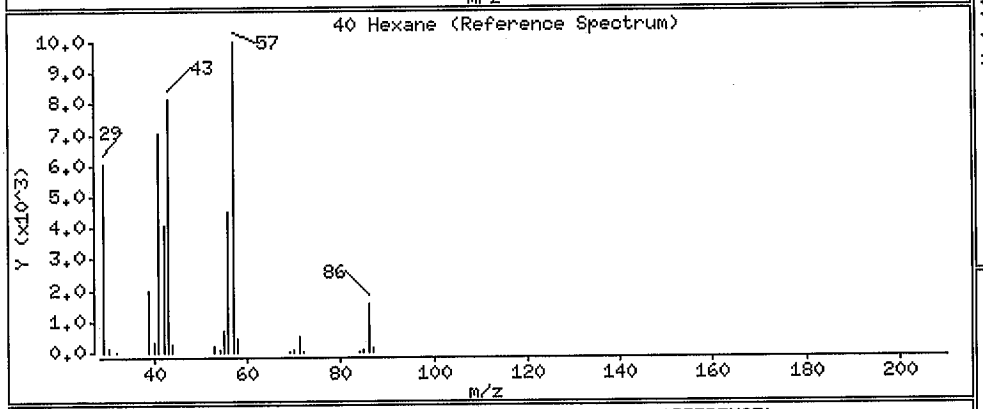
Concentration: 0.3177 ppb(v/v)

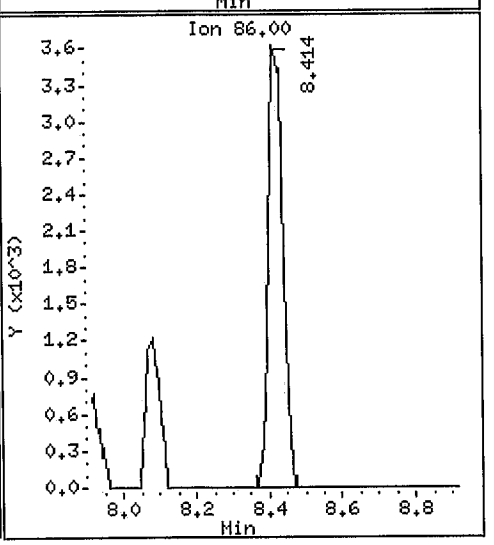


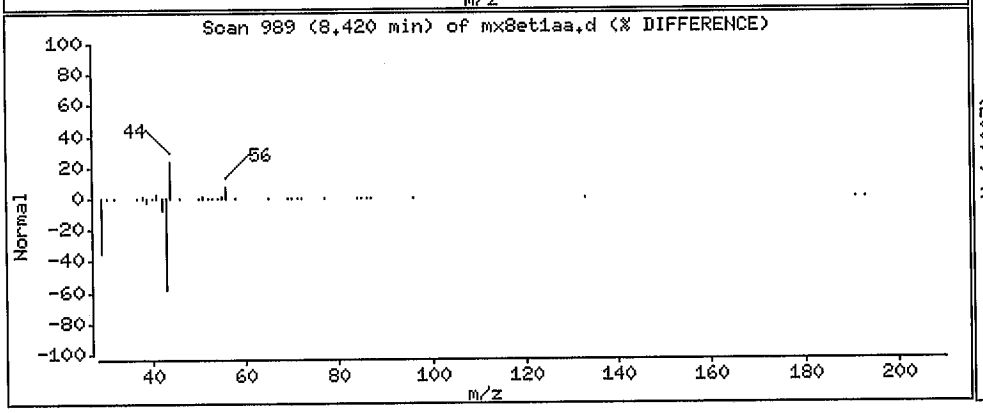












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

Client ID: 828076-IA-003B3-05

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

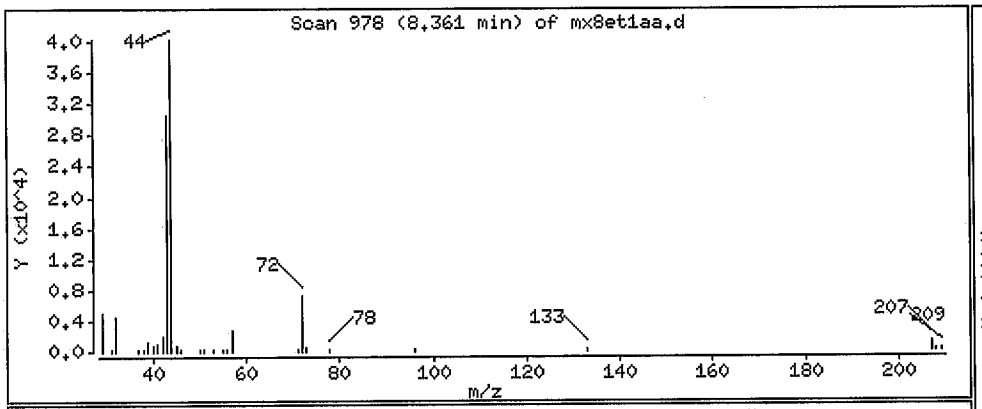
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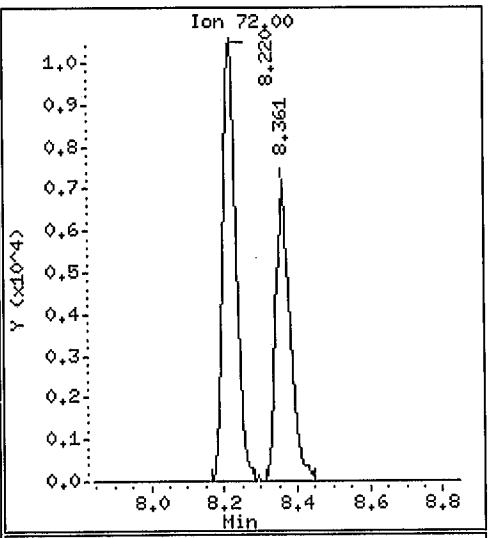
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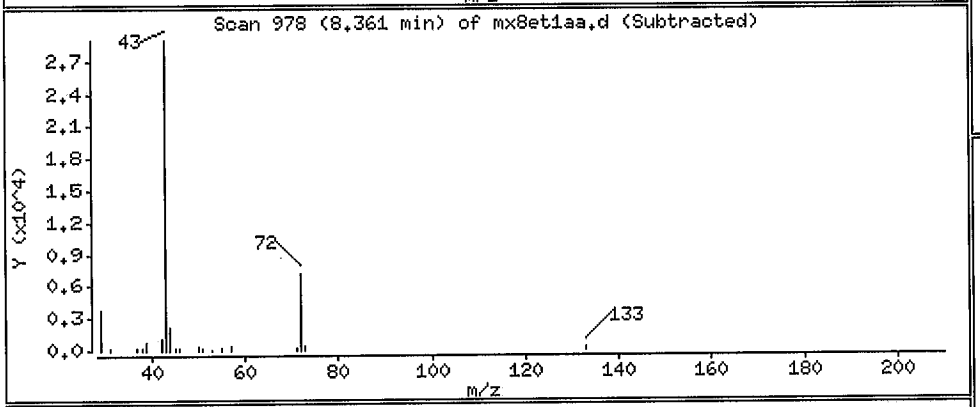
Column diameter: 0.32

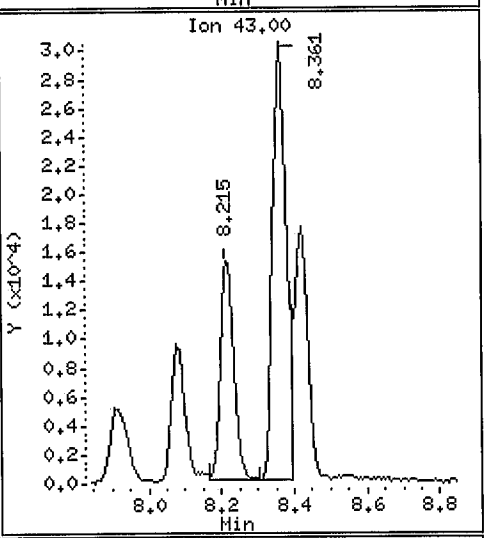
39 2-Butanone

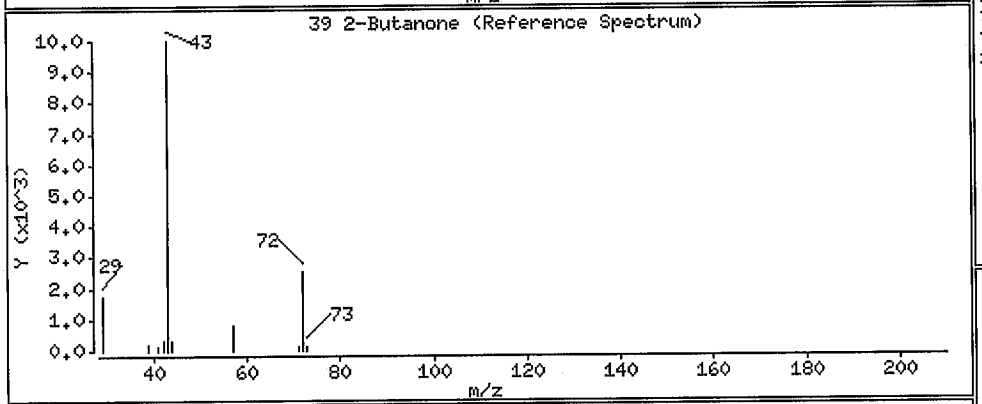
Concentration: 0.3142 ppb(v/v)

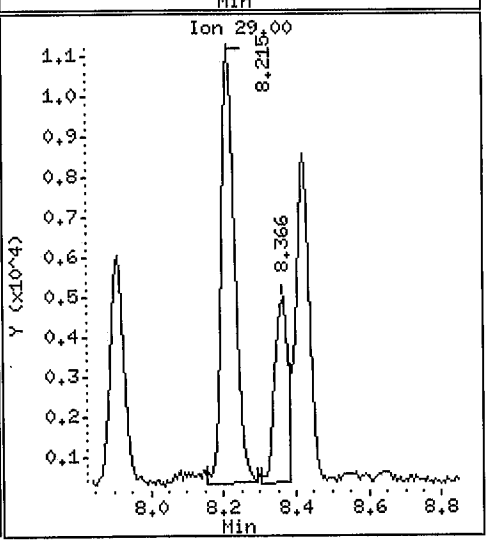


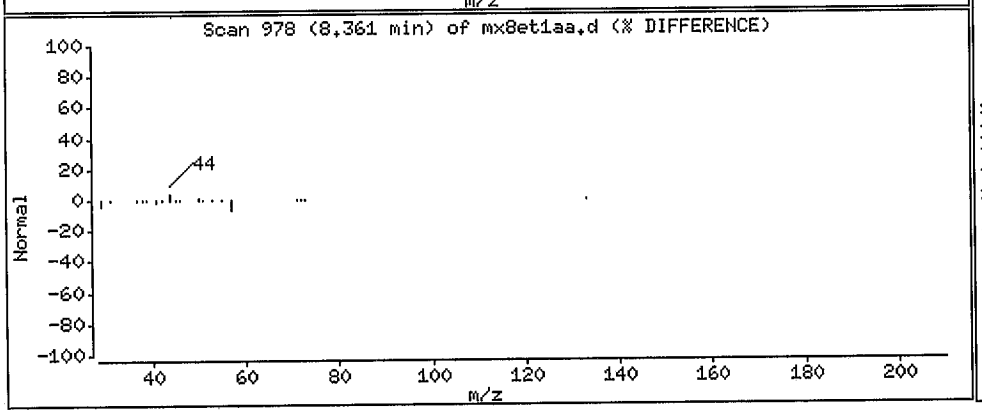












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

Client ID: 828076-IA-003B3-05

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

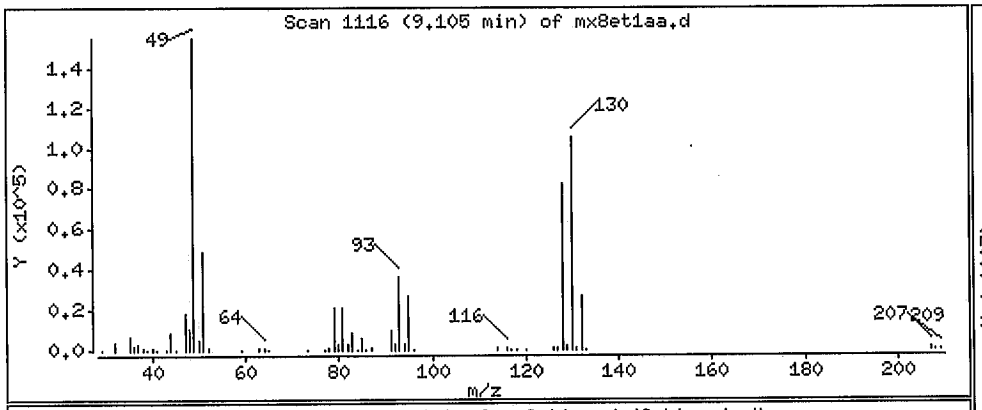
Operator: 403648

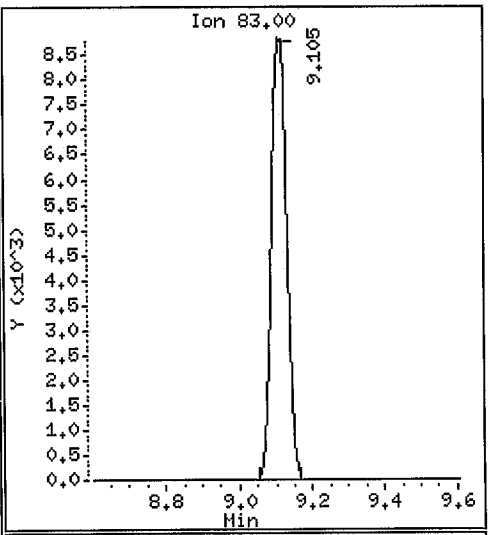
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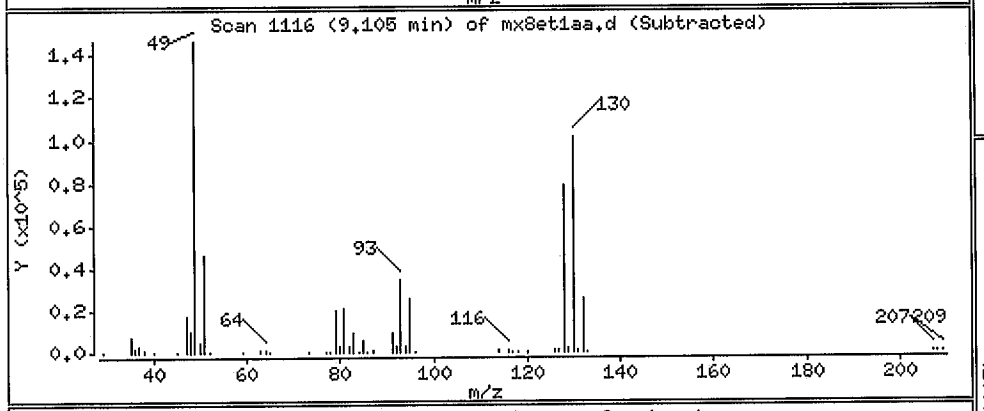
Column diameter: 0.32

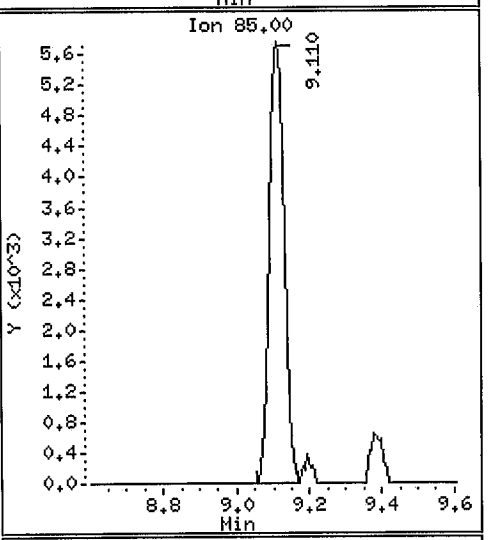
43 Chloroform

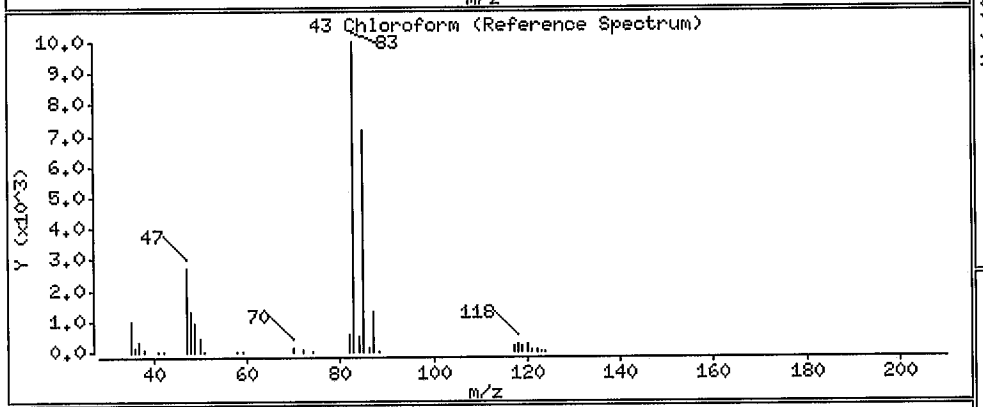
Concentration: 0.1029 ppb(v/v)

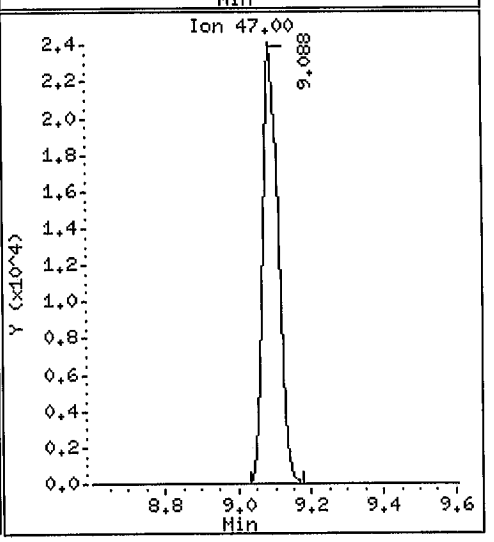


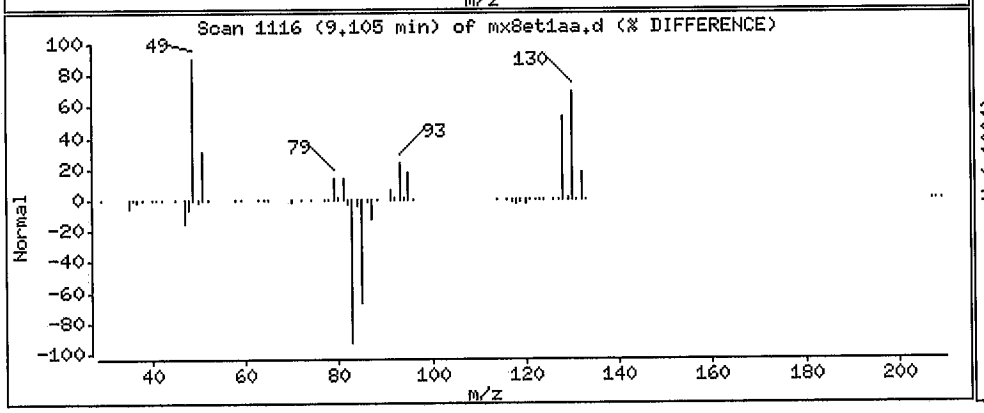












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

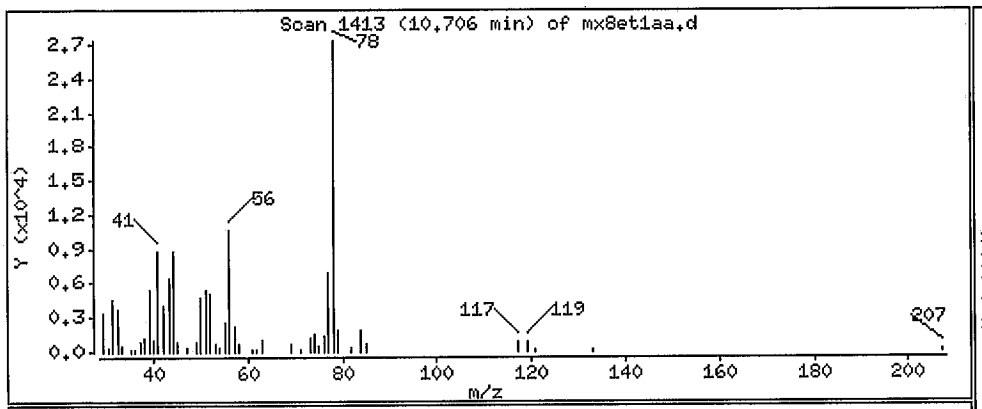
Client ID: 828076-IA-003B3-05 Instrument: mr.i

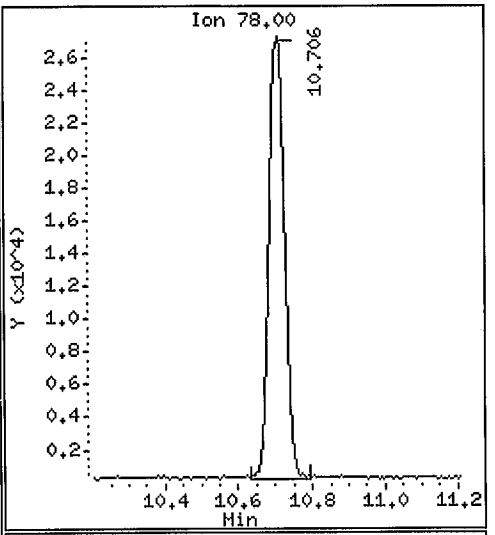
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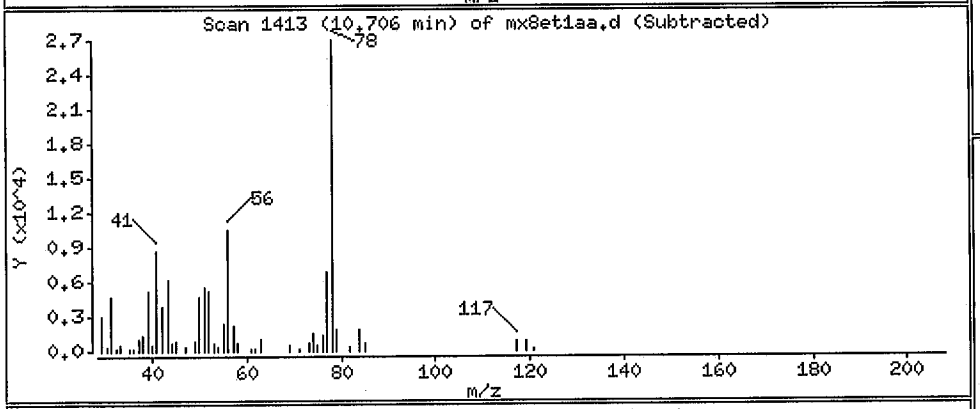
Purge Volume: 500.0 Operator: 403648

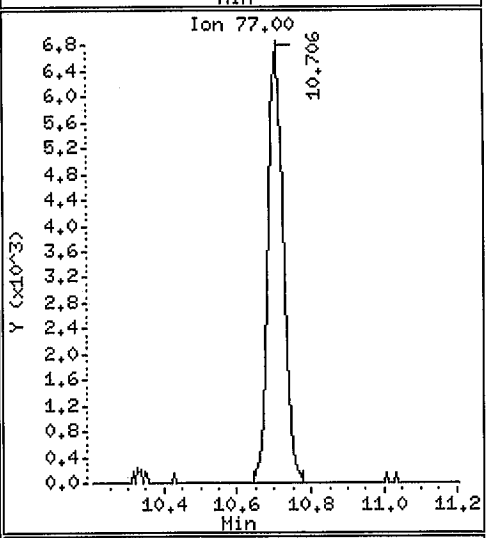
Column phase: Rtx-5 Column diameter: 0.32

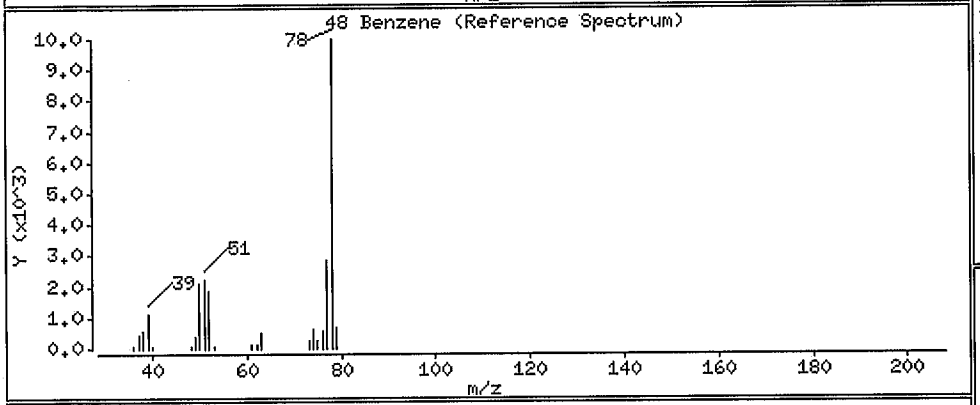
48 Benzene Concentration: 0.1887 ppb(v/v)

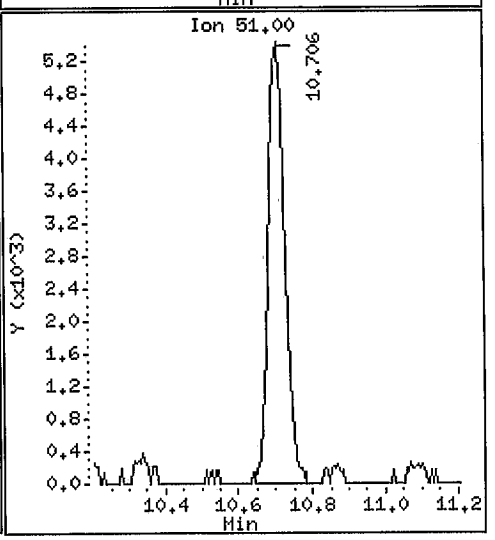


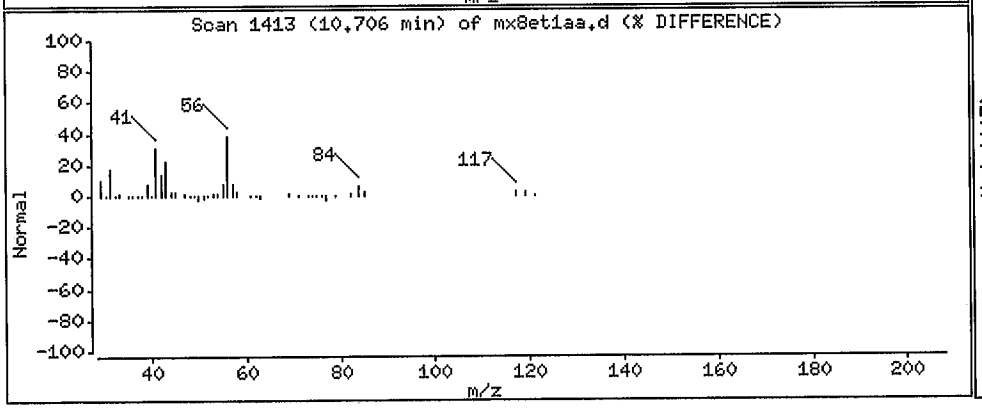












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

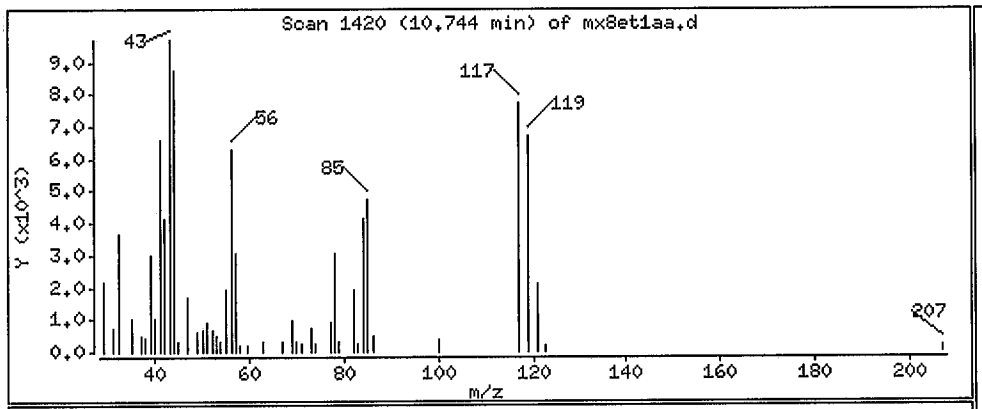
Client ID: 828076-IA-003B3-05 Instrument: mr.i

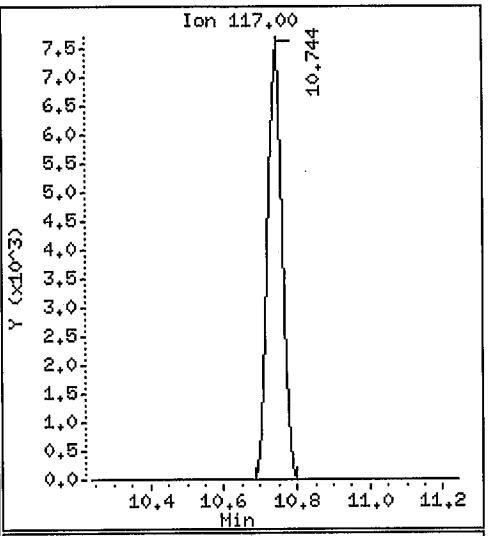
Sample Info: ,,0,,,

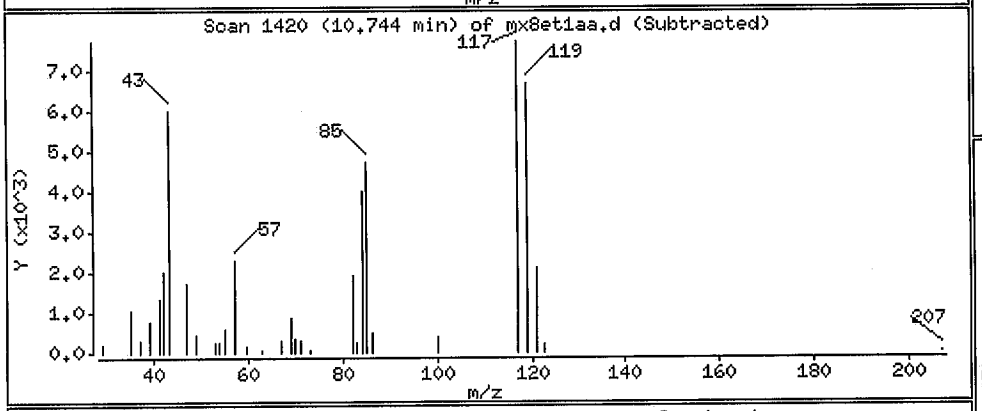
Purge Volume: 500.0 Operator: 403648

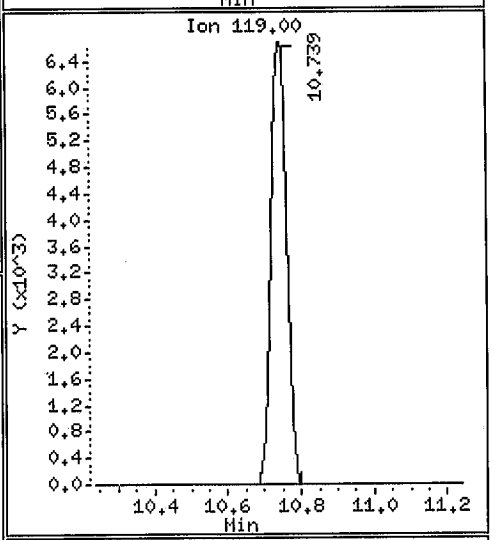
Column phase: Rtx-5 Column diameter: 0.32

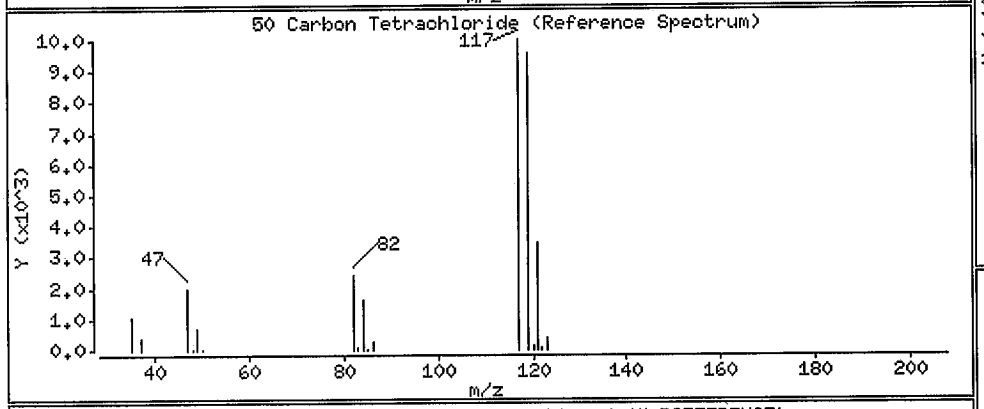
50 Carbon Tetrachloride Concentration: 0.09777 ppb(v/v)

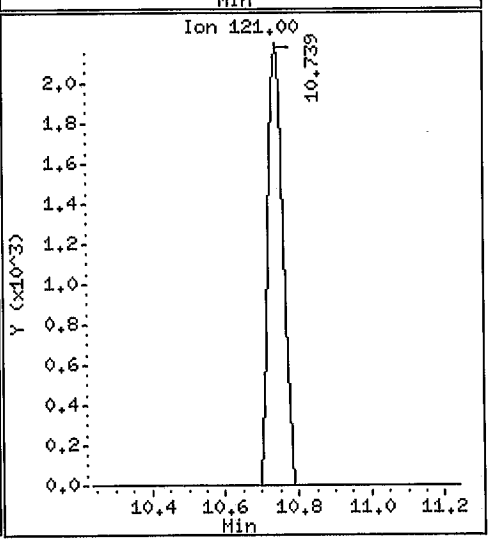


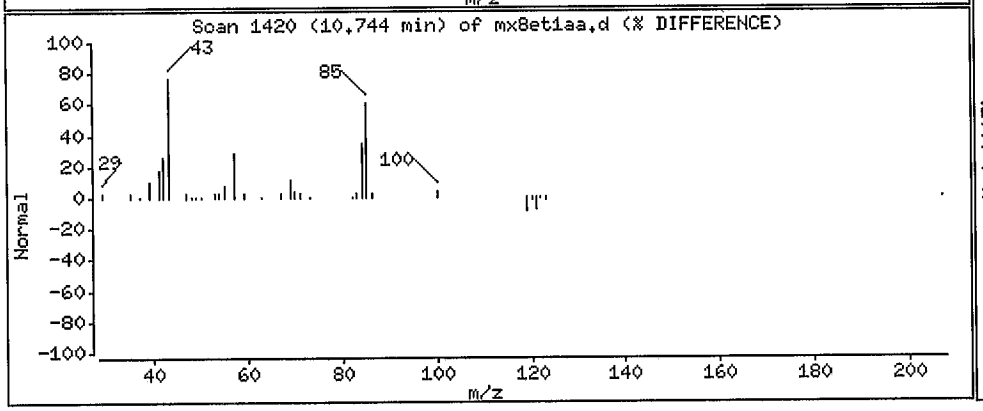












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

Client ID: 828076-IA-003B3-05

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

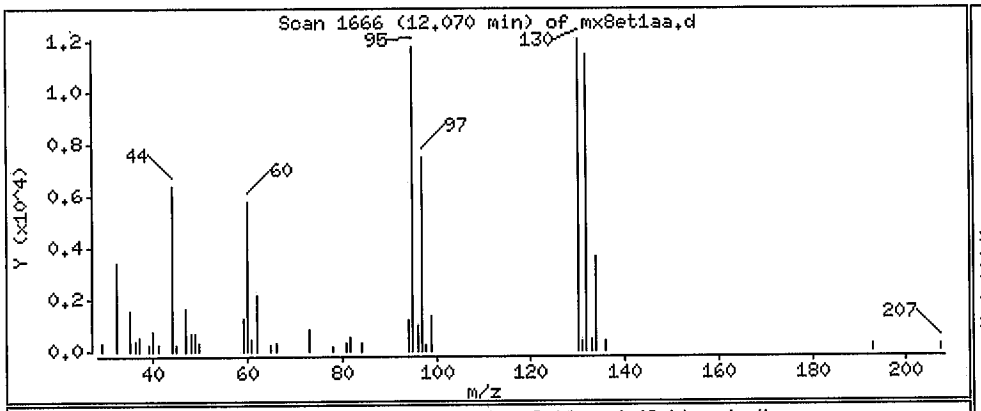
Operator: 403648

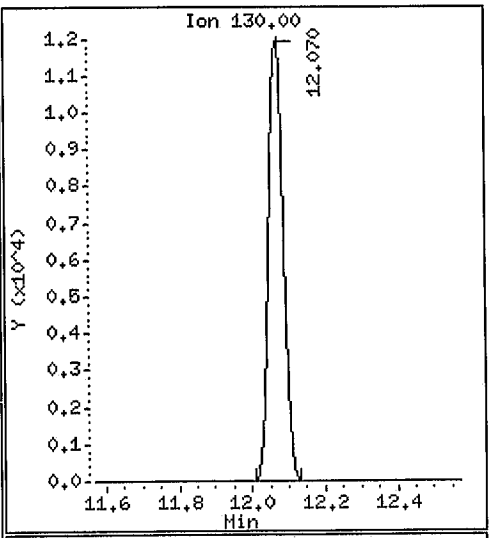
Column phase: Rtx-5

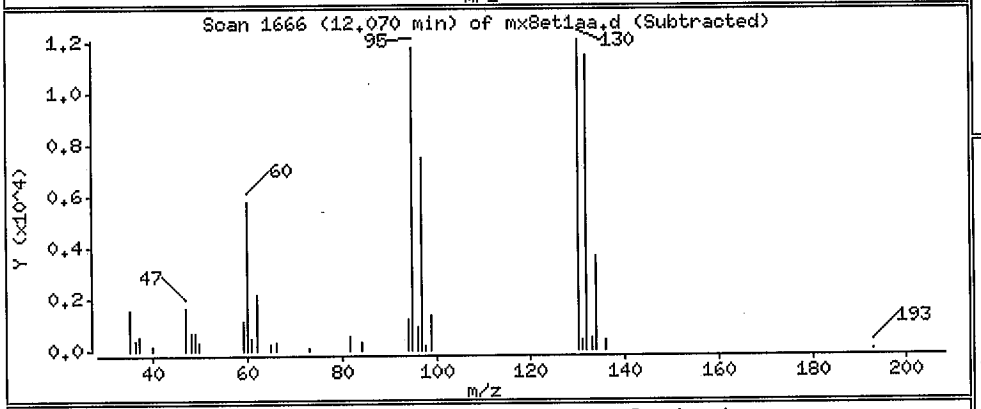
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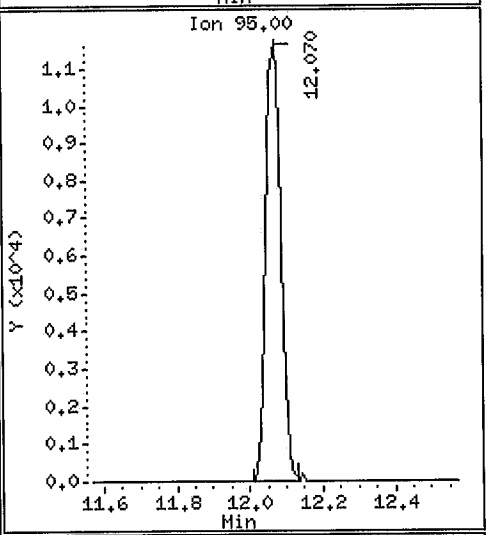
56 Trichloroethene

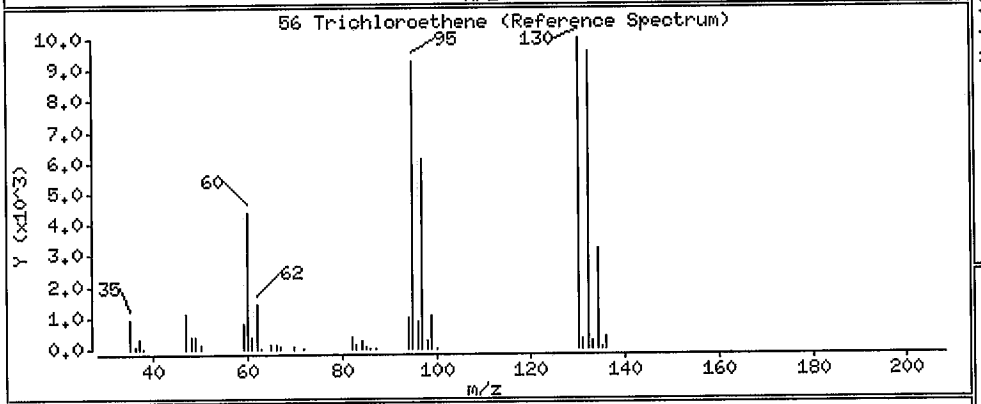
Concentration: 0.1782 ppb(v/v)

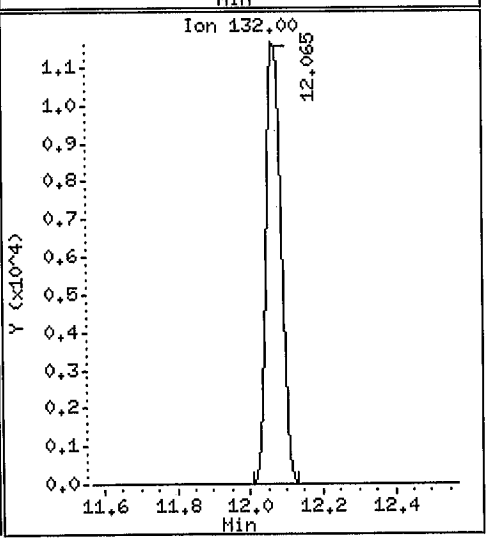


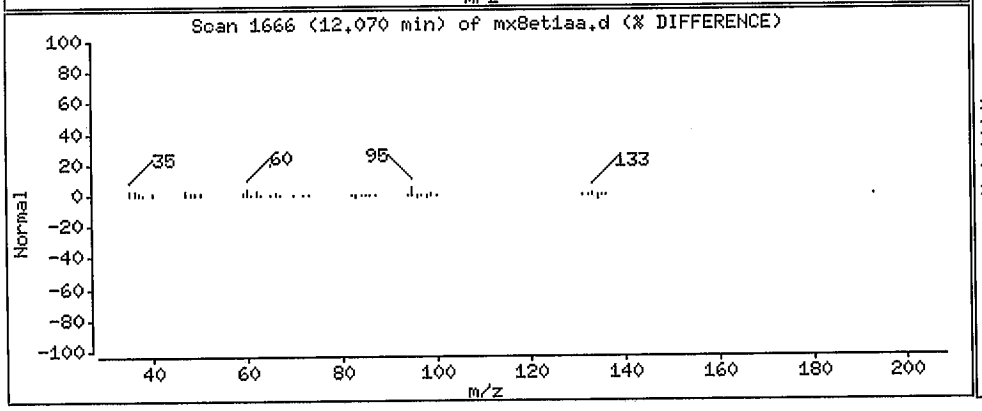












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

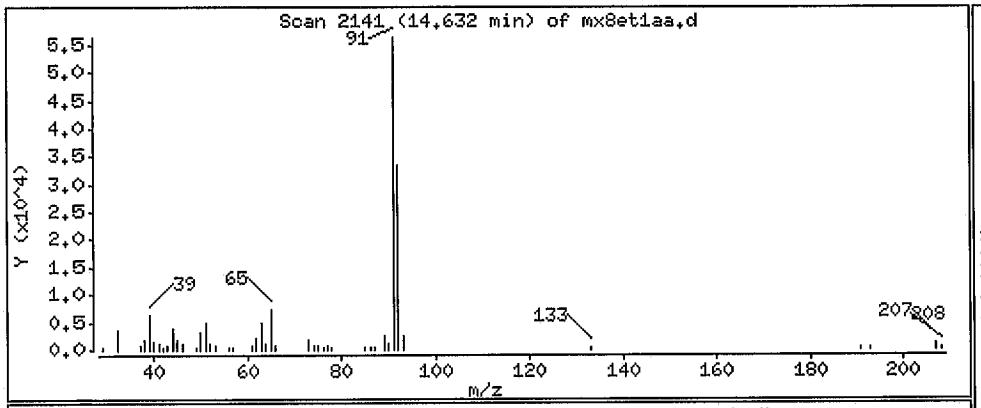
Client ID: 828076-IA-003B3-05 Instrument: mr.i

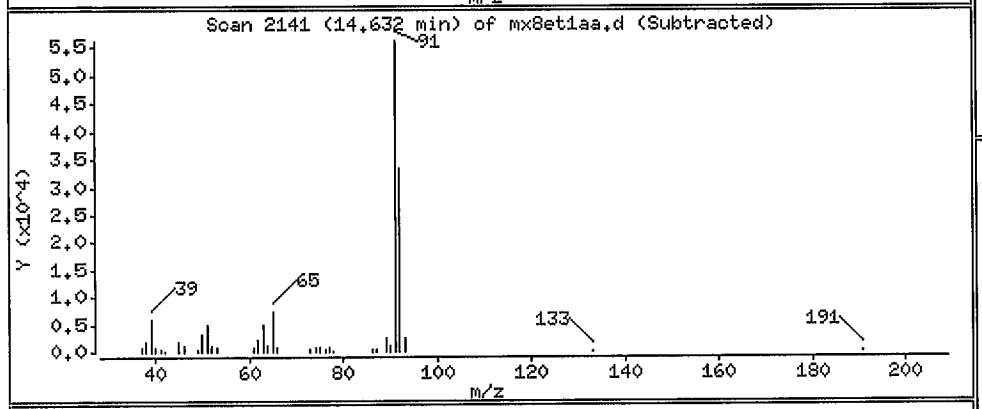
Sample Info: ,,0,,,

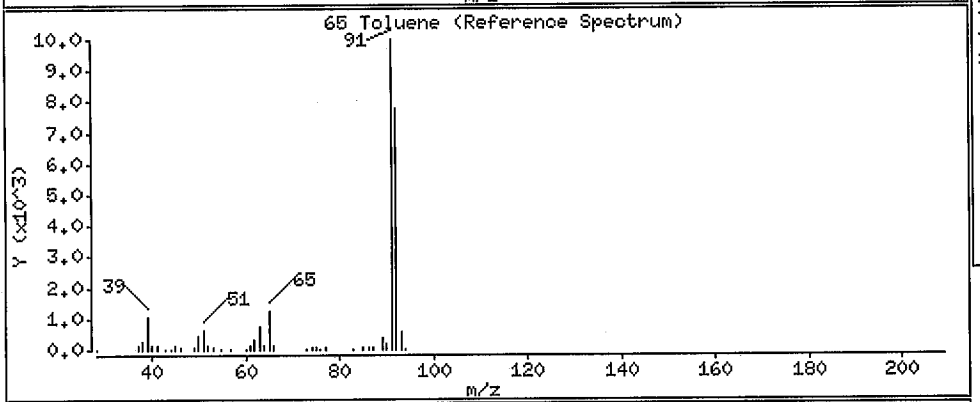
Purge Volume: 500.0 Operator: 403648

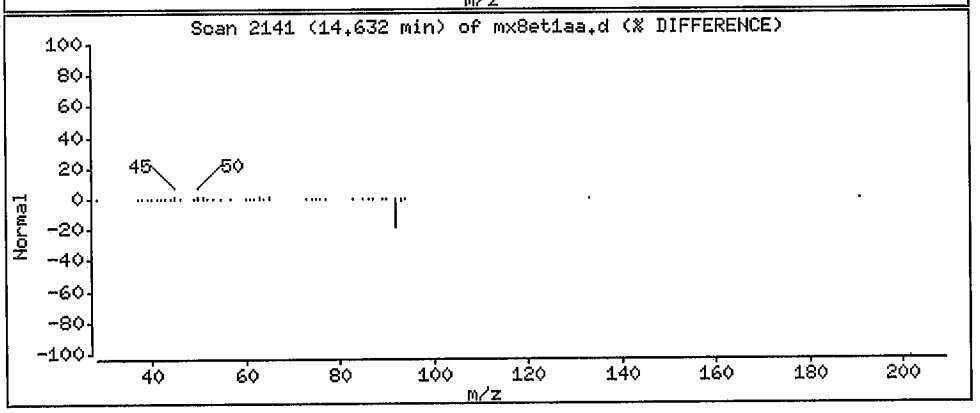
Column phase: Rtx-5 Column diameter: 0.32

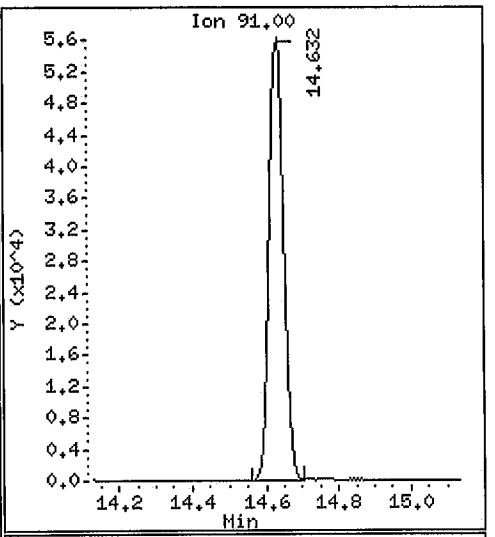
65 Toluene Concentration: 0.2709 ppb(v/v)

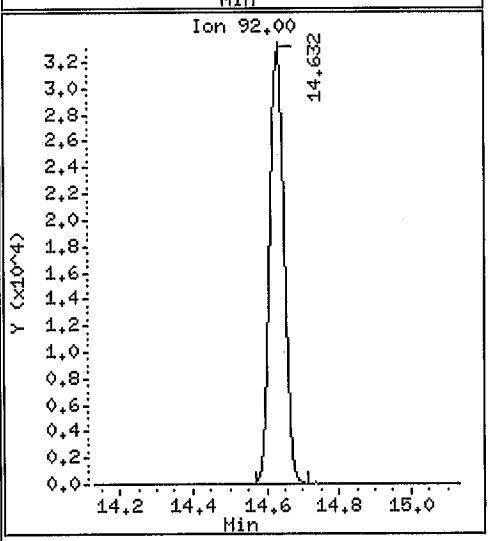












Data File: /var/chem/gcms/mr.i/R022813.b/mx8et1aa.d

Date : 01-MAR-2013 03:24

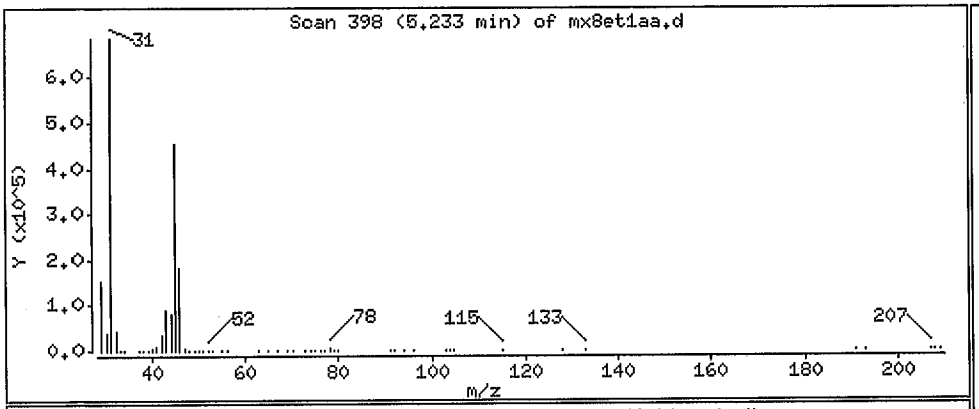
Client ID: 828076-IA-003B3-05 Instrument: mr.i

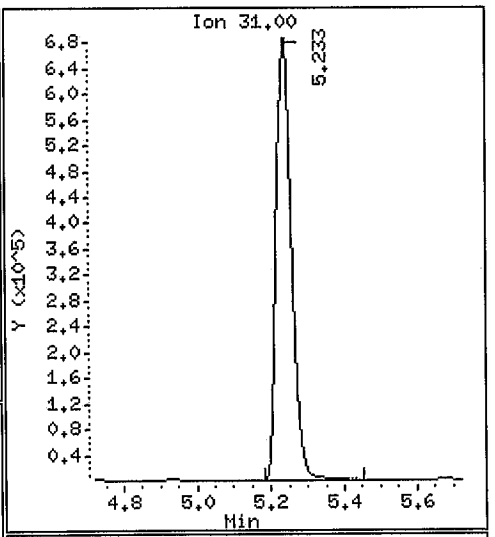
Sample Info: ,,0,,,

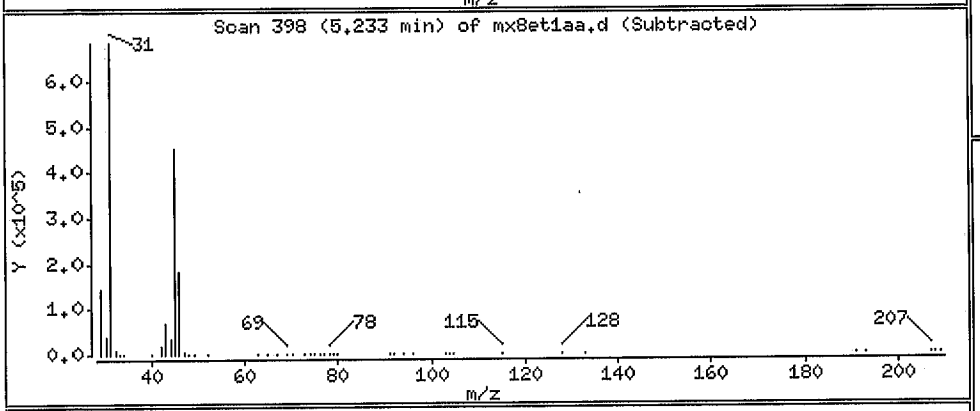
Purge Volume: 500.0 Operator: 403648

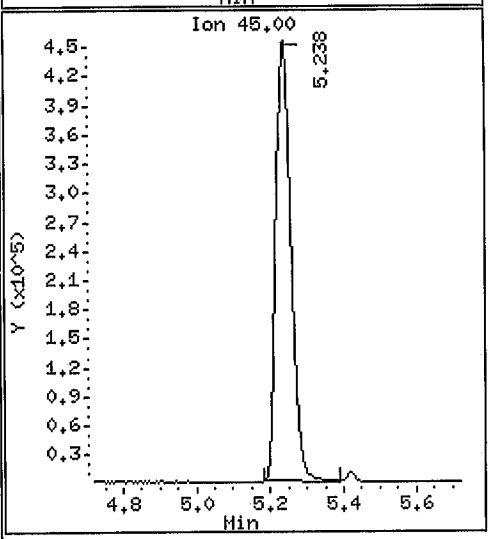
Column phase: Rtx-5 Column diameter: 0.32

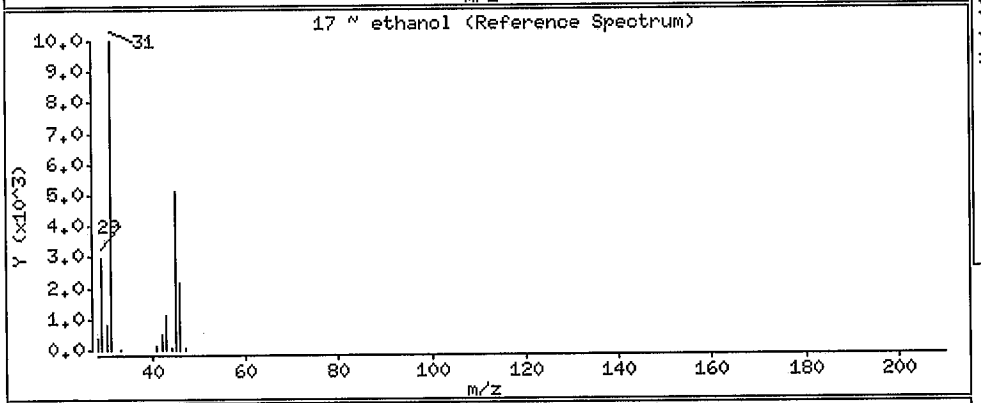
17 ^ ethanol Concentration: 47.06 ppb(v/v)

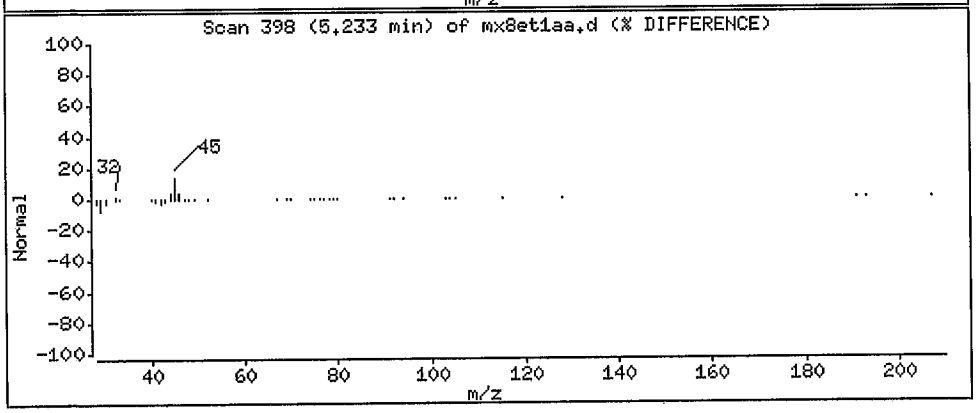












New York State D.E.C.

Client Sample ID: 828076-SS-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 014 **Work Order #** MX8EV1AA **Matrix.....:** AIR

Date Sampled...: 02/20/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.89**	**0.40**	**4.4**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	**0.60**	**0.40**	**2.4**	**1.6**
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	**6.6**	**1.6**	**19**	**4.7**
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**0.72**	**0.40**	**2.3**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**8.4**	**0.40**	**22**	**1.1**
Chloroform	**0.48**	**0.40**	**2.3**	**2.0**
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	ND	0.40	ND	2.0
Ethanol	**8.1**	**4.0**	**15**	**7.5**
Ethylbenzene	**1.1**	**0.40**	**4.6**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**1.7**	**1.0**	**5.9**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B3-05

GC/MS Volatiles

Lot-Sample # H3B280421 - 014 **Work Order #** MX8EV1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**15**	**0.80**	**53**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**1.1**	**0.40**	**4.9**	**1.7**
tert-Butyl alcohol	**13**	**1.6**	**39**	**4.9**
Tetrachloroethene	**2.0**	**0.40**	**14**	**2.7**
Toluene	**3.0**	**0.40**	**11**	**1.5**
m-Xylene & p-Xylene	**4.4**	**0.40**	**19**	**1.7**
o-Xylene	**1.5**	**0.40**	**6.7**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**35**	**0.20**	**190**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

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/mg.i/G030113A.b/mx8ev1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d
Lab Smp Id: MX8EV1AA Client Smp ID: 828076-SS-003B3-05
Inj Date : 01-MAR-2013 17:51
Operator : 7126 Inst ID: mg.i
Smp Info : ,5,0,,,
Misc Info : G030113A,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 02-Mar-2013 12:55 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 5
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	5.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	450345	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.652	9.652	(1.000)	2129619	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1804847	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	1263292	3.94766	3.948
	16 Chloroethane	64	4.157	4.151	(0.548)	89110	1.67387	8.369
	28 tert-butanol	59	5.230	5.235	(0.690)	503672	2.58316	12.92
	36 Methyl-t-Butyl Ether	73	6.173	6.179	(0.814)	925520	2.92147	14.61
	40 Hexane	56	6.869	6.864	(0.906)	39964	0.33259	1.663
	39 2-Butanone	72	6.945	6.945	(0.916)	76466	1.31471	6.574
	43 Chloroform	83	7.592	7.592	(1.001)	27306	0.09596	0.4798
	46 1,2-Dichloroethane	62	8.622	8.622	(0.893)	23753	0.12027	0.6014
	48 Benzene	78	9.064	9.064	(0.939)	58411	0.14321	0.7160
	56 Trichloroethene	130	10.363	10.369	(1.074)	1549886	6.93579	34.68
	65 Toluene	91	12.531	12.536	(0.859)	291398	0.60945	3.047
	73 Tetrachloroethene	129	13.712	13.712	(0.940)	76674	0.40886	2.044
	76 Ethylbenzene	91	14.936	14.936	(1.024)	124550	0.21101	1.055

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d
Report Date: 02-Mar-2013 12:56

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb(v/v))	(ppb(v/v))
78 m&p-Xylene	91	15.098	15.103	(1.035)	400338	0.87427	4.371
81 Styrene	104	15.588	15.588	(1.068)	76246	0.22871	1.144
82 o-Xylene	91	15.637	15.637	(1.072)	143790	0.30871	1.544
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	95254	0.17837	0.8918
17 ~ ethanol	31	4.259	4.254	(0.562)	58556	1.61974	8.099

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8ev1aa.d
Lab Smp Id: MX8EV1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: 828076-SS-003B3-05
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	450345	16.92
2 1,4-Difluorobenze	1517394	902849	2131939	2129619	40.35
3 Chlorobenzene-d5	1361313	809981	1912645	1804847	32.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	0.00
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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.

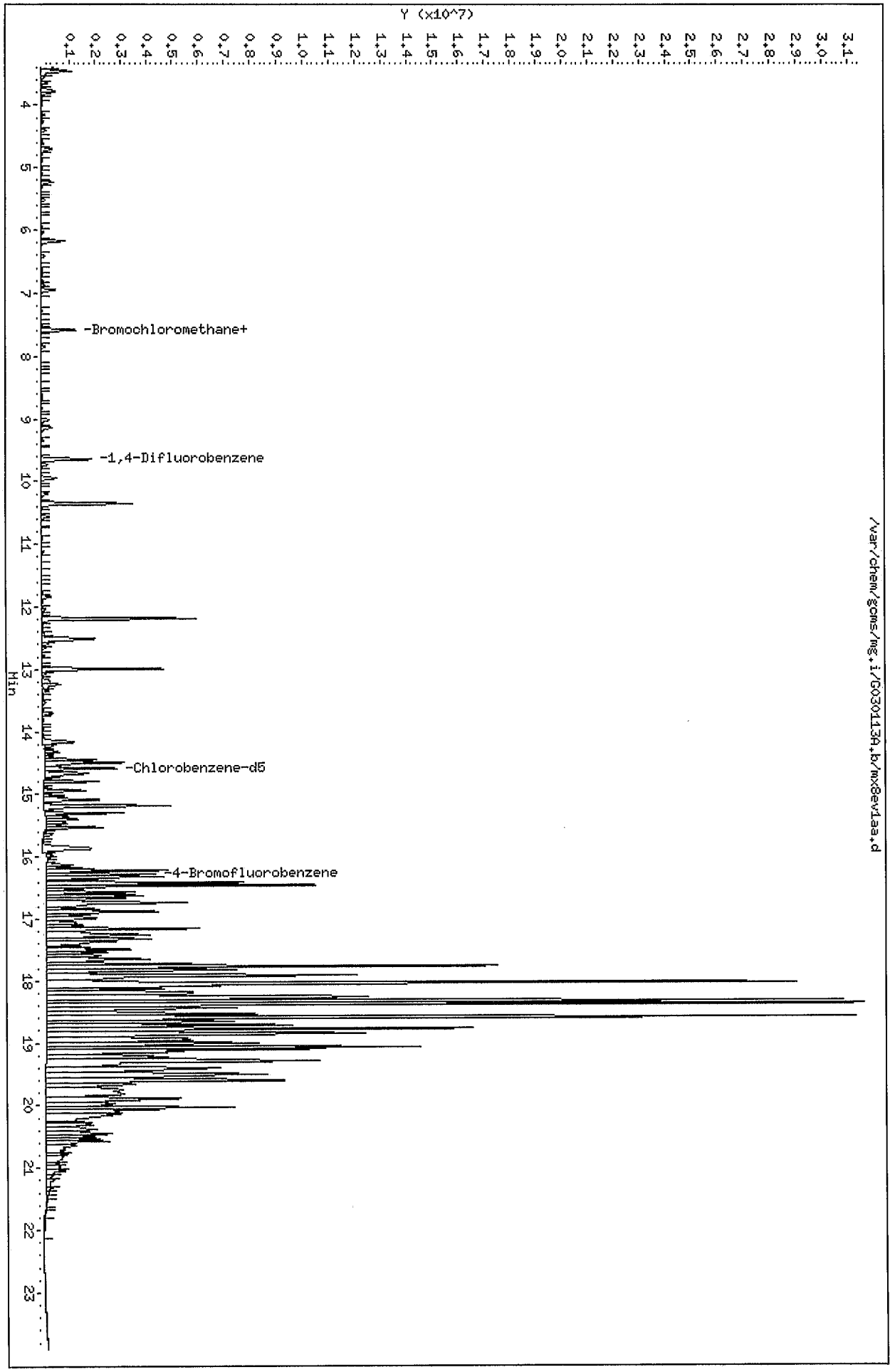
Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EV1AA Client Smp ID: 828076-SS-003B3-05
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.948	98.69	60-140


Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d
Date : 01-MAR-2013 17:51
Client ID: 828076-SS-00383-05
Sample Info: ,5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d
Y (x10^7)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

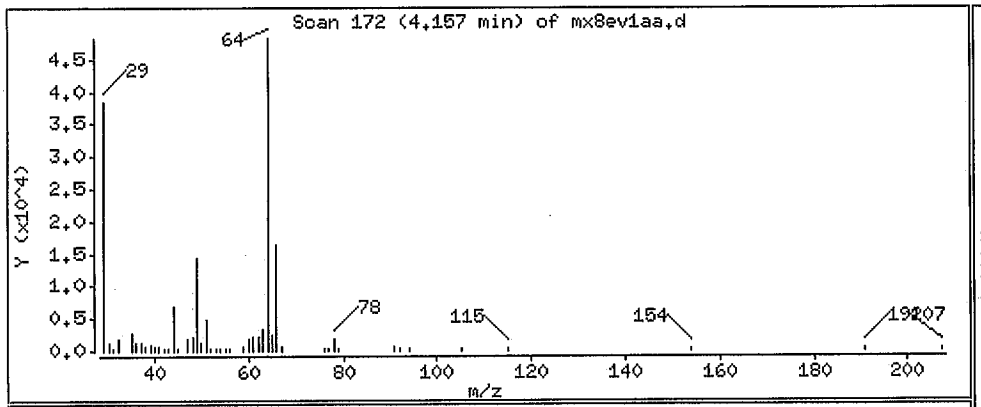
Client ID: 828076-SS-003B3-05 Instrument: mg.i

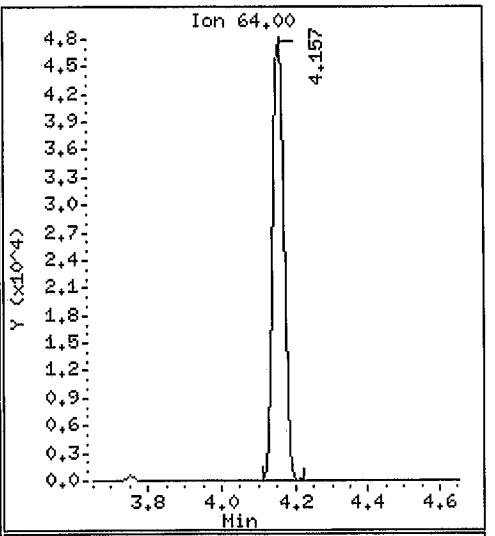
Sample Info: ,5,0,,,

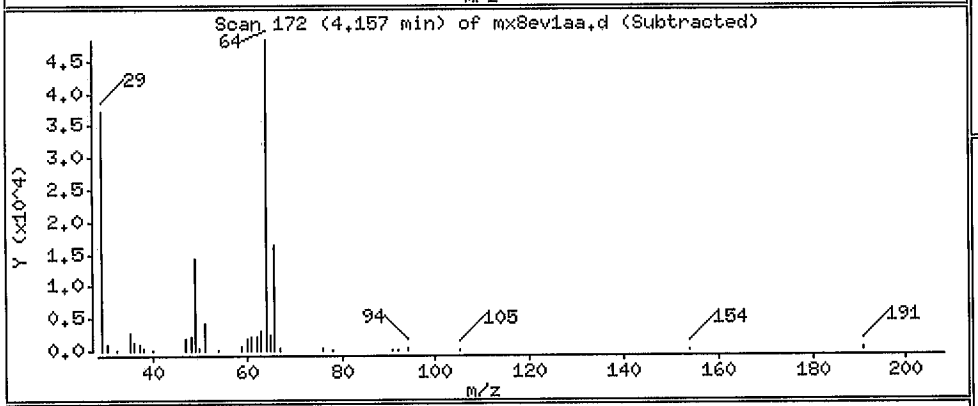
Purge Volume: 500.0 Operator: 7126

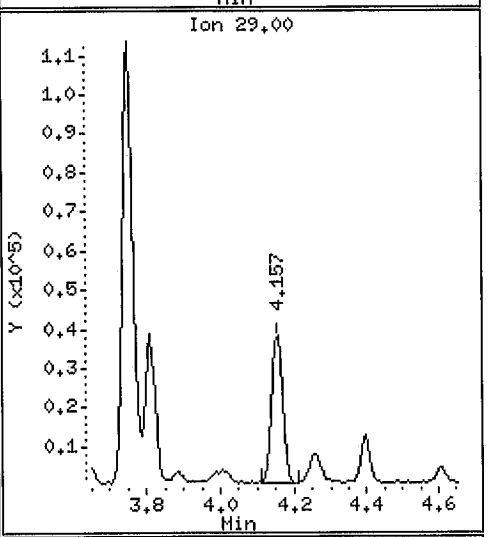
Column phase: Rtx-5 Column diameter: 0.32

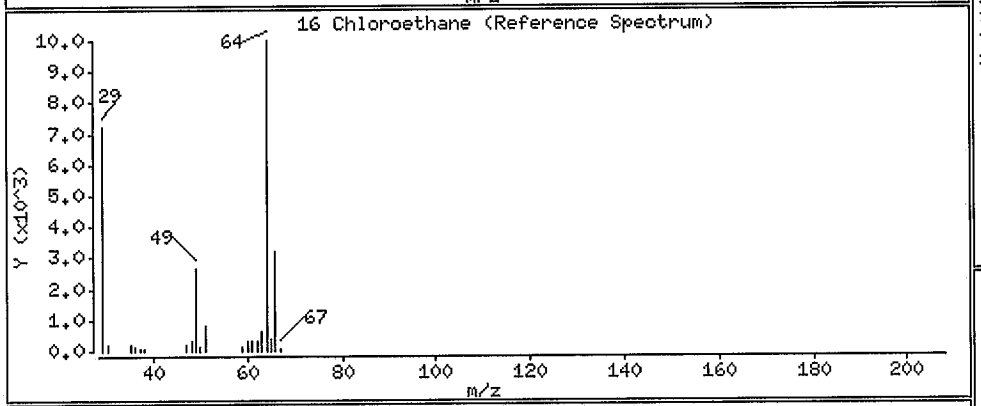
16 Chloroethane Concentration: 8.369 ppb(v/v)

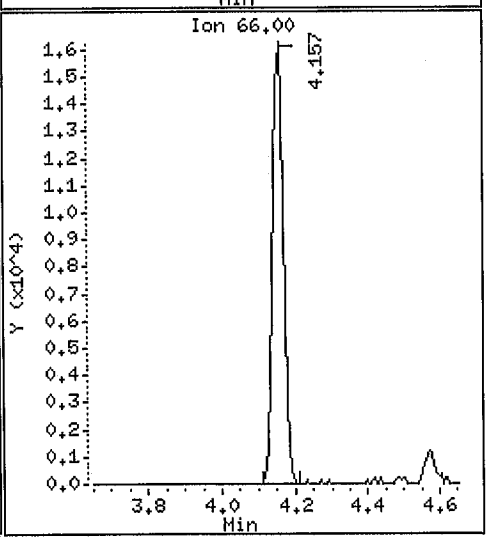


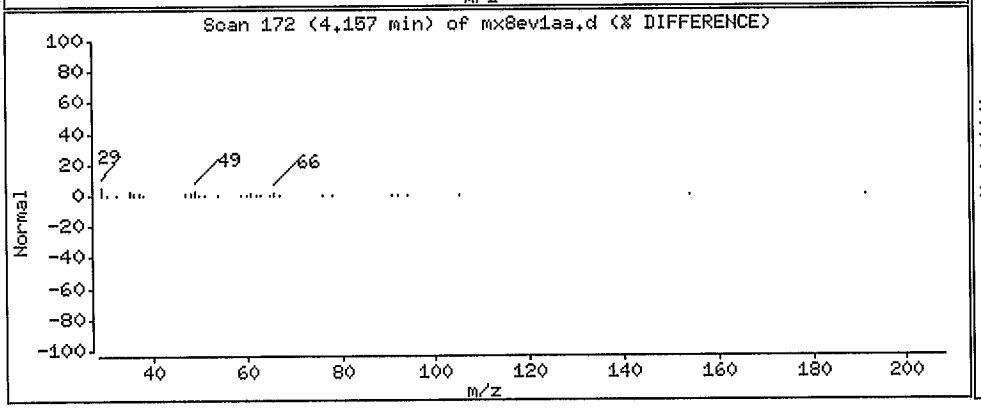












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

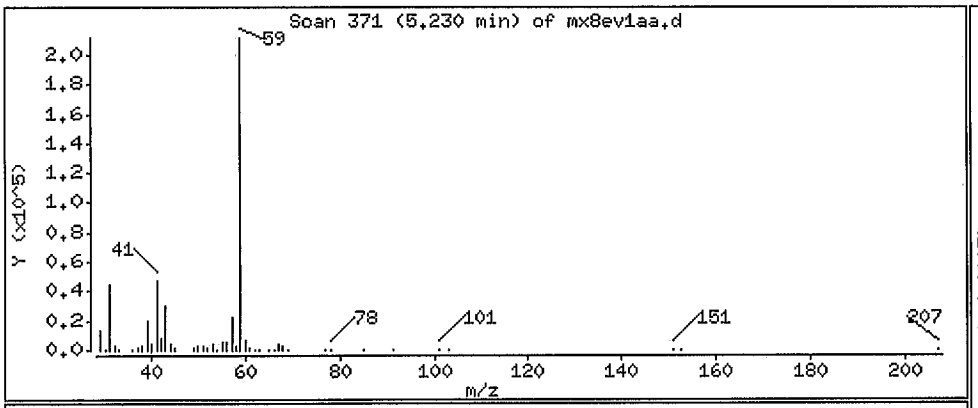
Client ID: 828076-SS-003B3-05 Instrument: mg.i

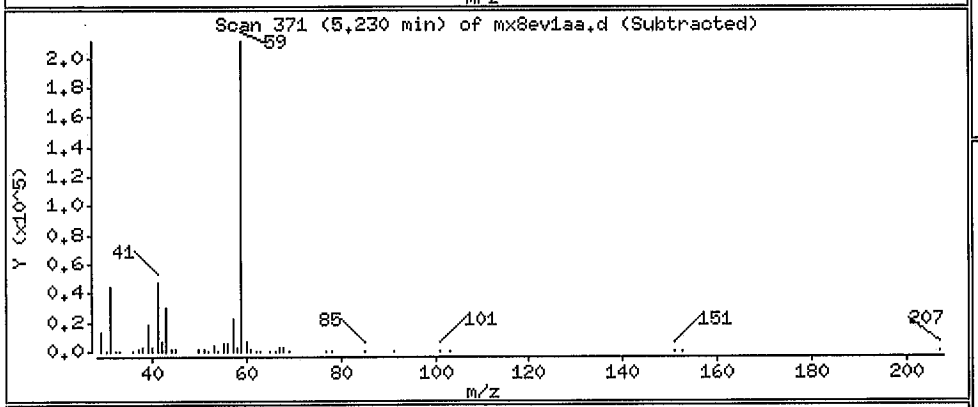
Sample Info: ,5,0,,,

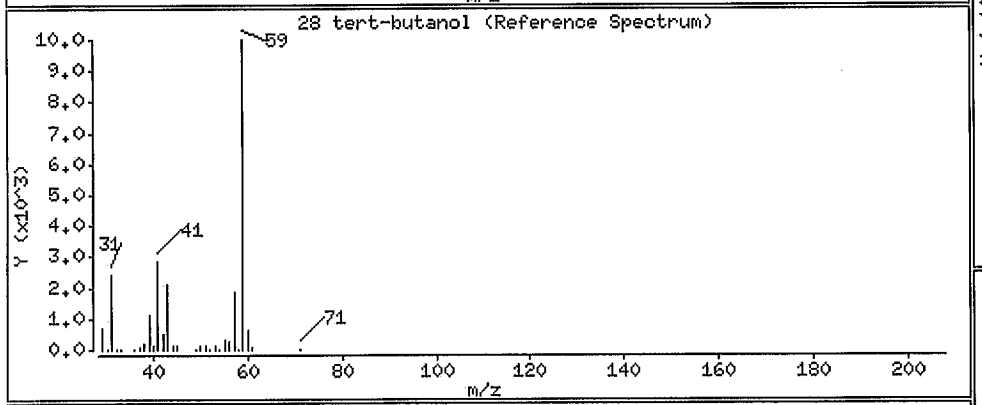
Purge Volume: 500.0 Operator: 7126

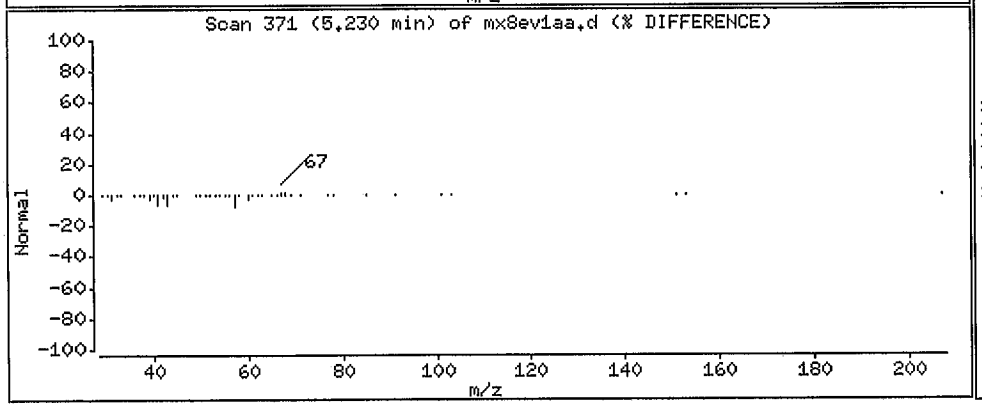
Column phase: Rtx-5 Column diameter: 0.32

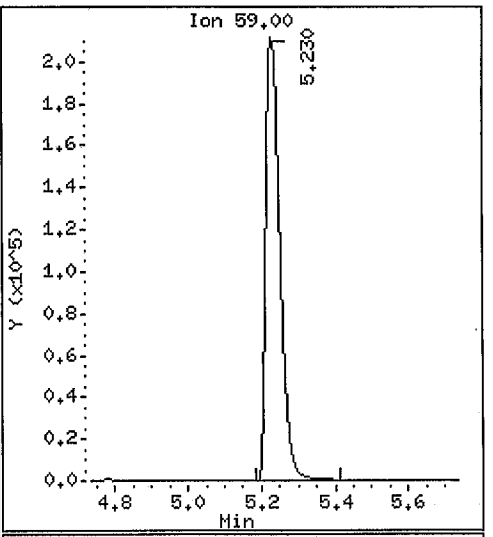
28 tert-butanol Concentration: 12.92 ppb(v/v)

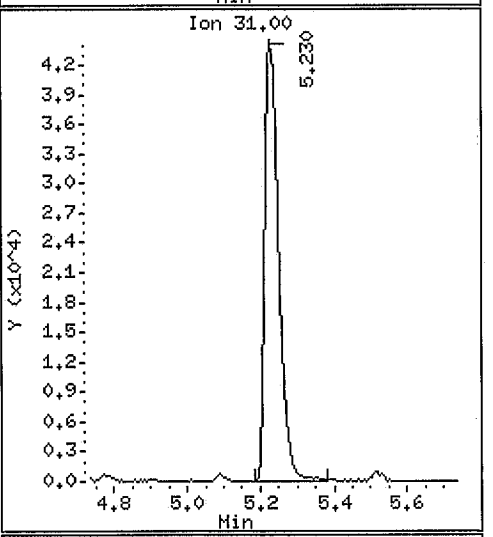


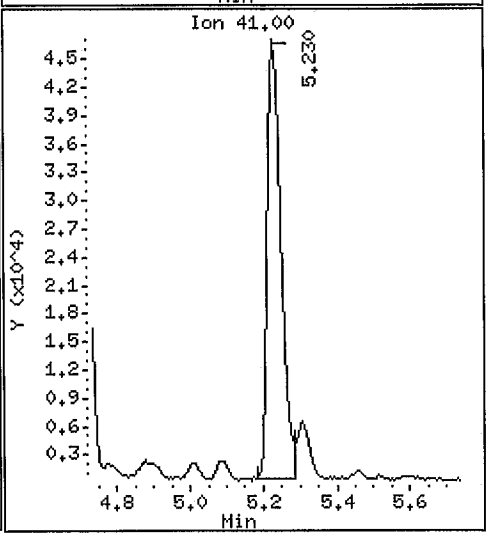












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

Client ID: 828076-SS-003B3-05

Instrument: mg.i

Sample Info: ,5,0,,,

Purge Volume: 500.0

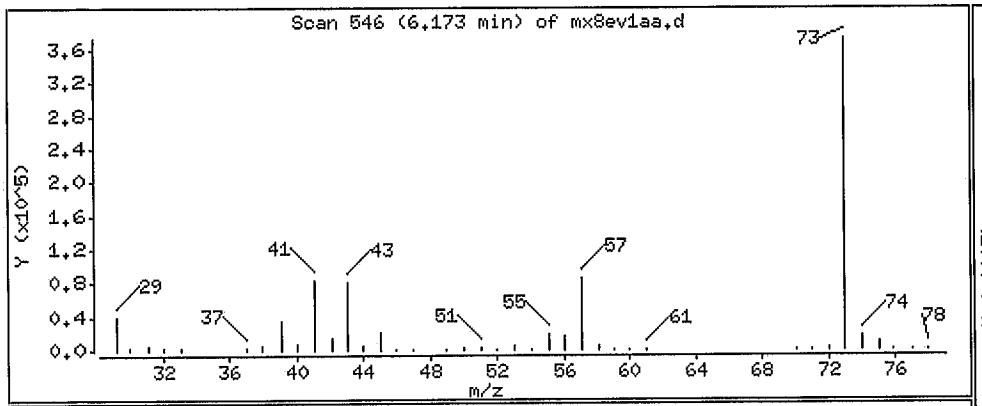
Operator: 7126

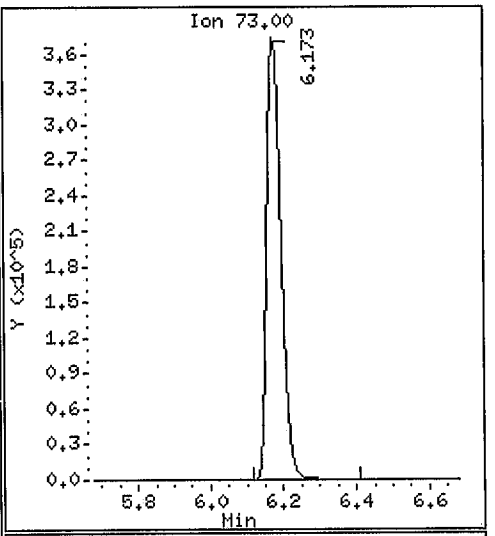
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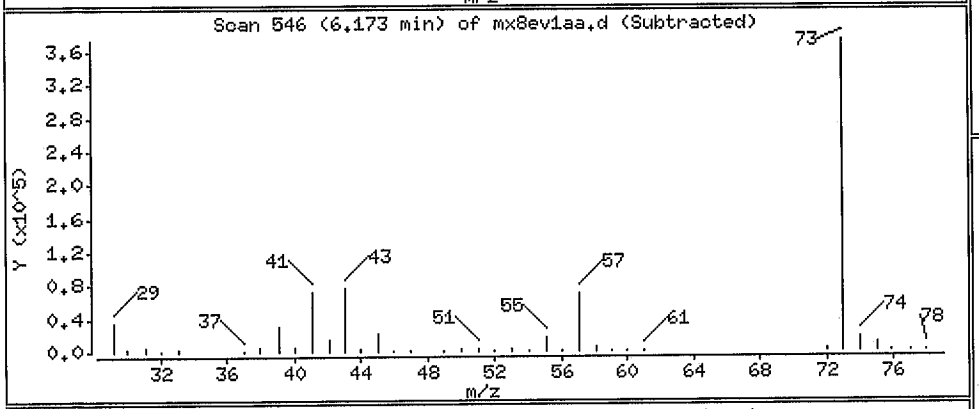
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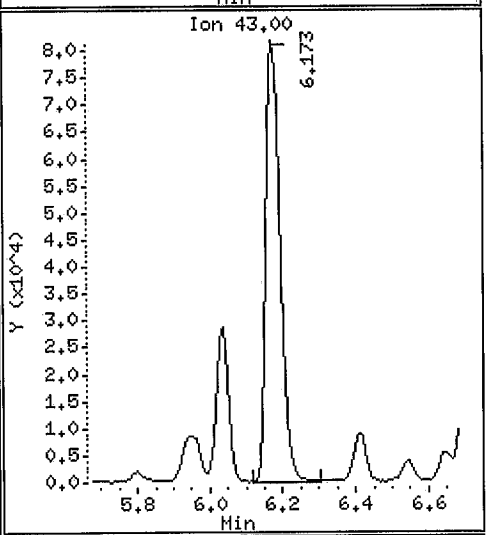
36 Methyl-t-Butyl Ether

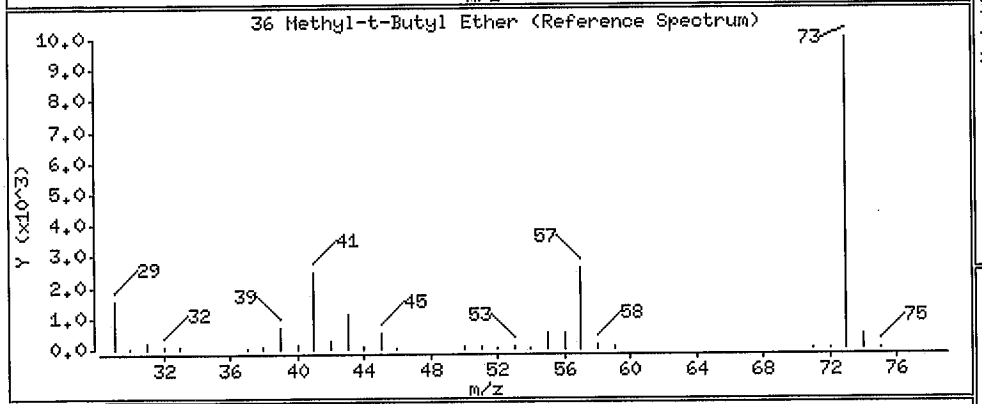
Concentration: 14.61 ppb(v/v)

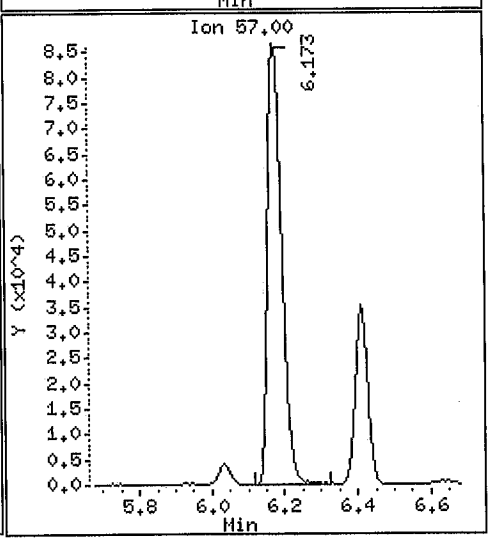


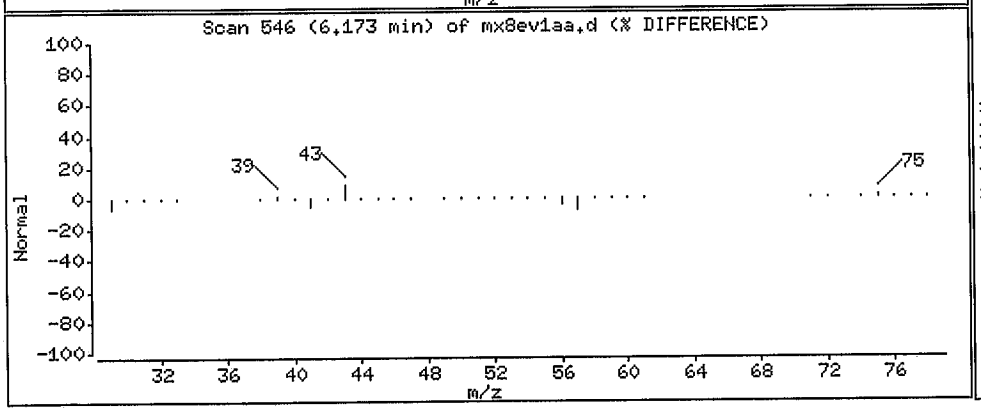












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

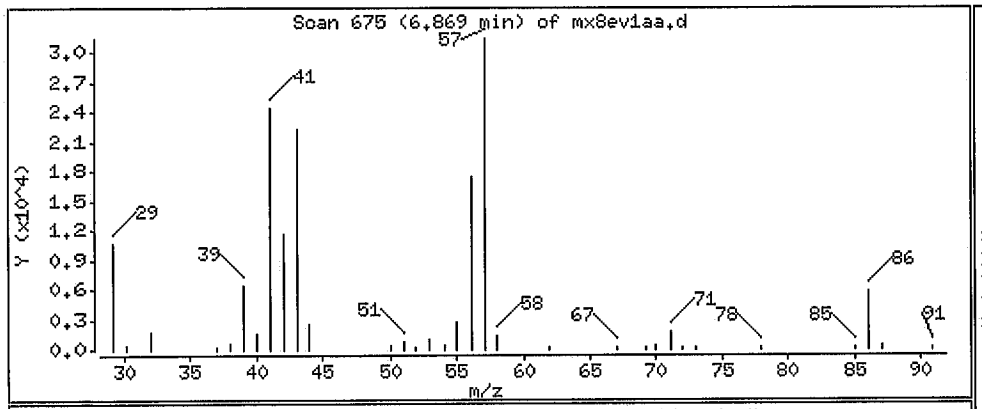
Client ID: 828076-SS-003B3-05 Instrument: mg.i

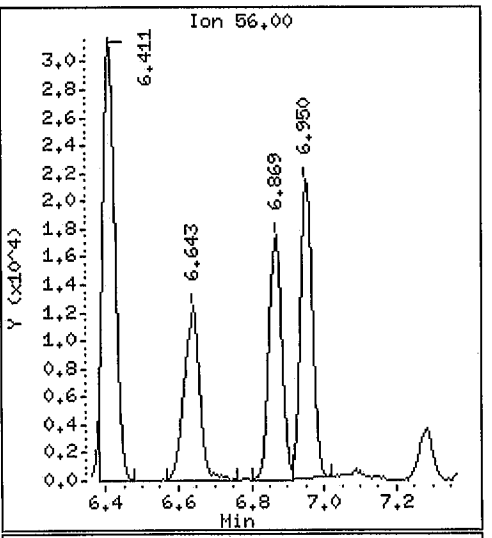
Sample Info: ,5,0,,,

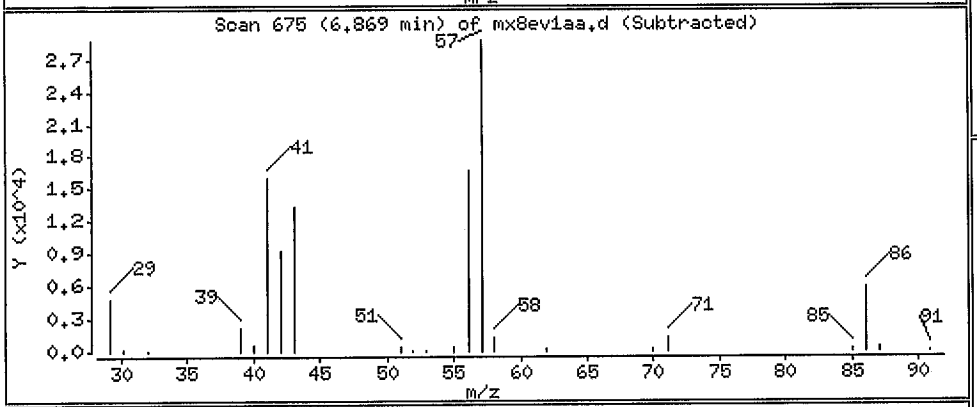
Purge Volume: 500.0 Operator: 7126

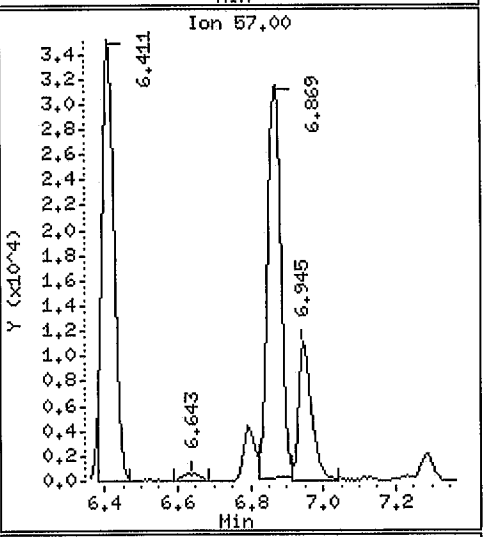
Column phase: Rtx-5 Column diameter: 0.32

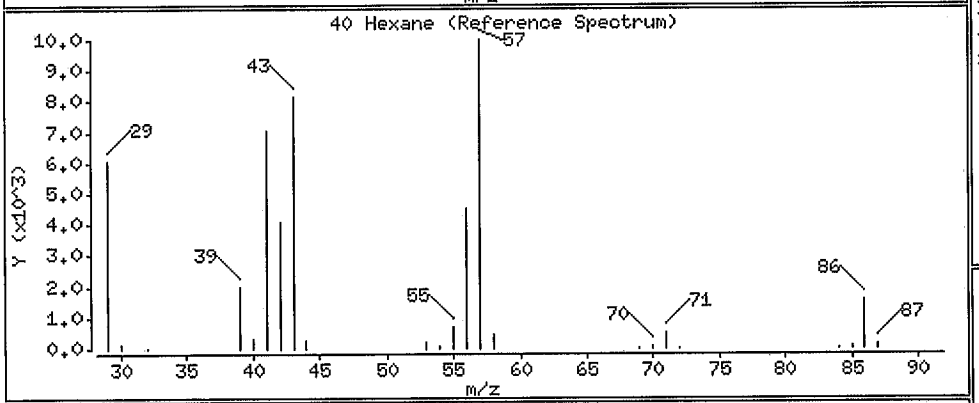
40 Hexane Concentration: 1.663 ppb(v/v)

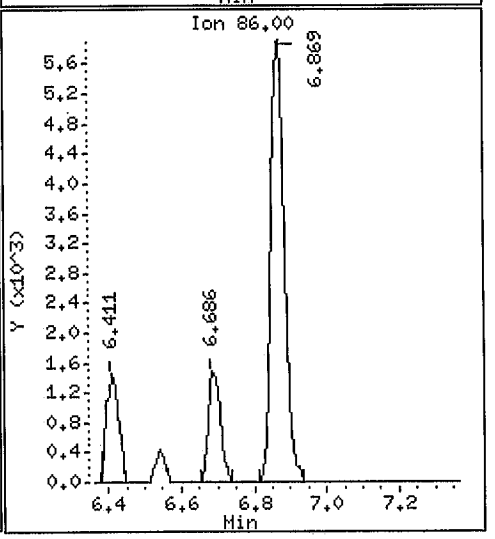


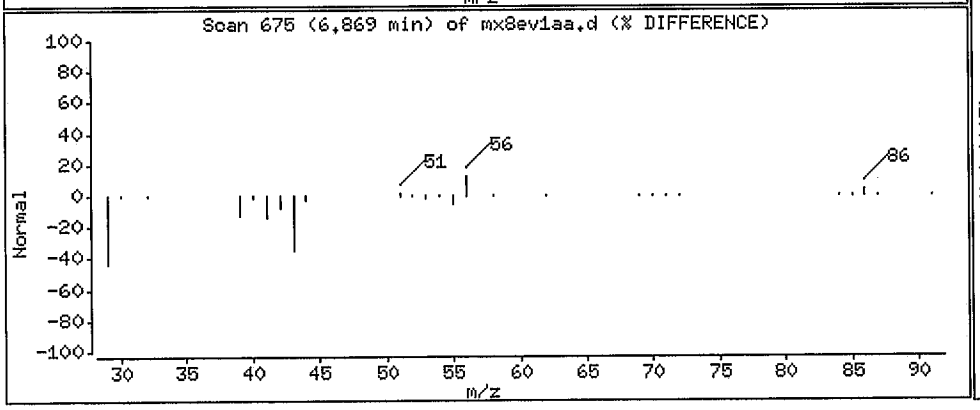












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

Client ID: 828076-SS-003B3-05

Instrument: mg.i

Sample Info: ,5,0,,,

Purge Volume: 500.0

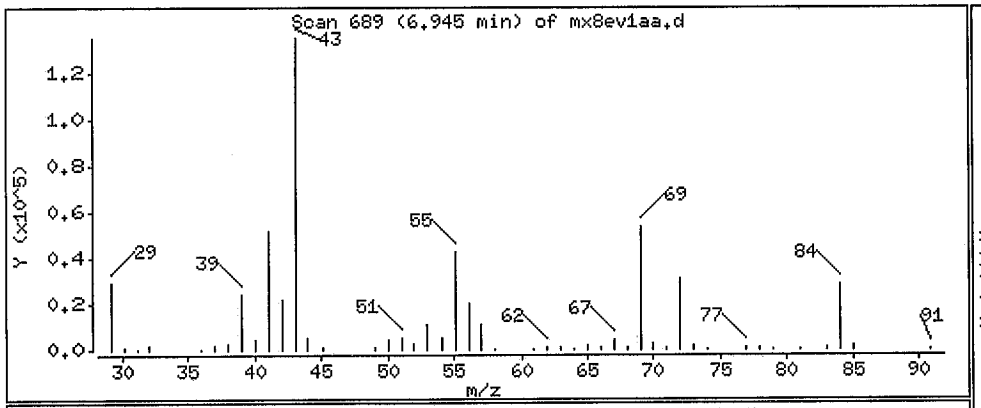
Operator: 7126

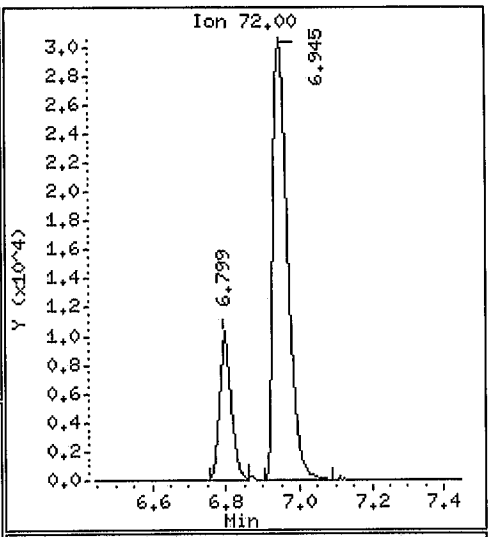
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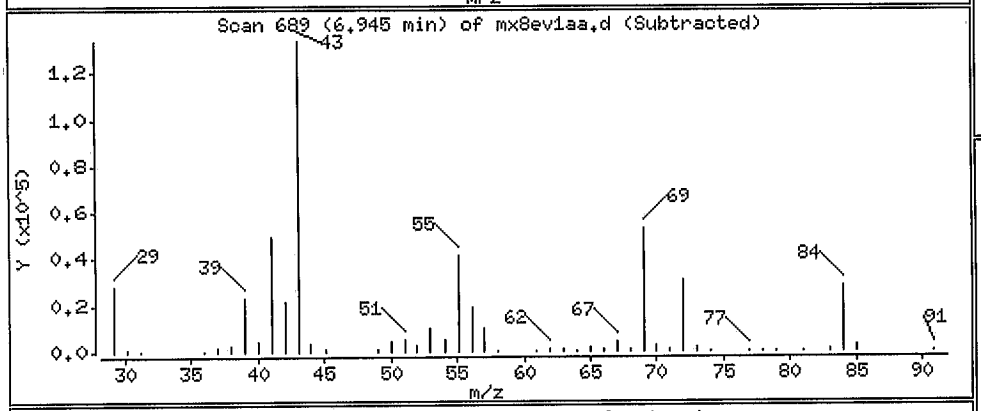
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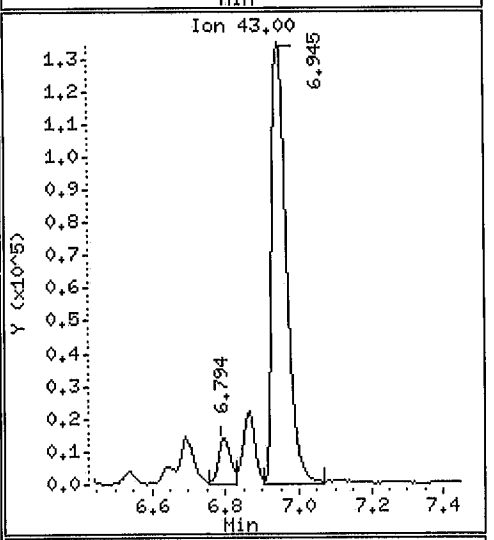
39 2-Butanone

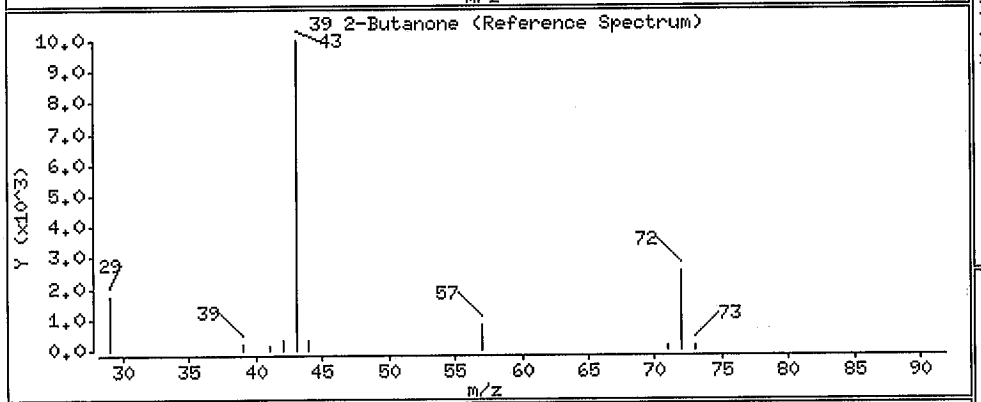
Concentration: 6.574 ppb(v/v)

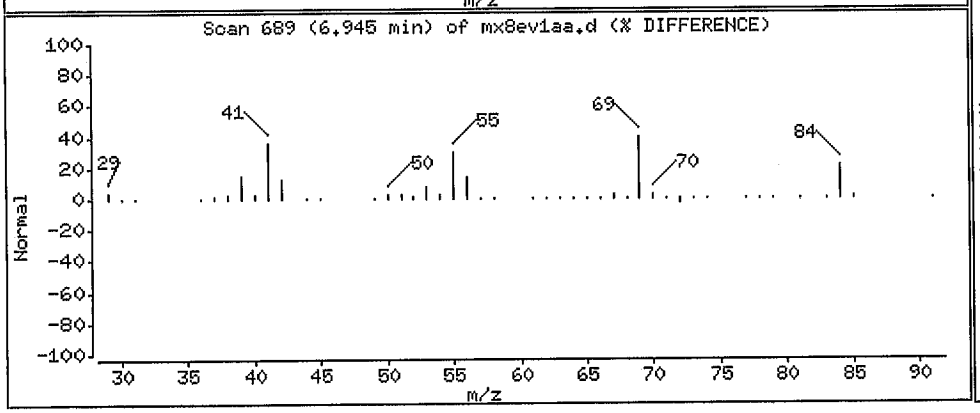


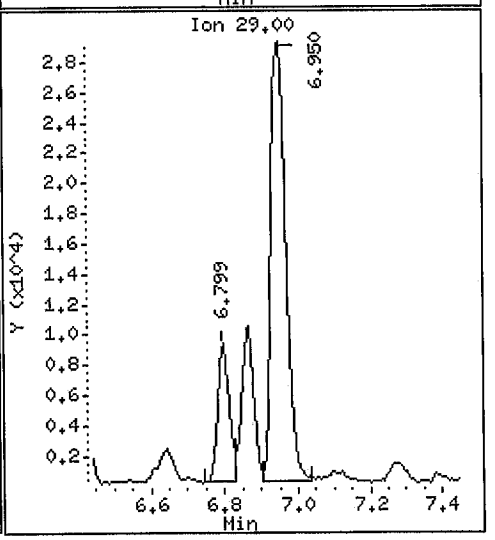












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

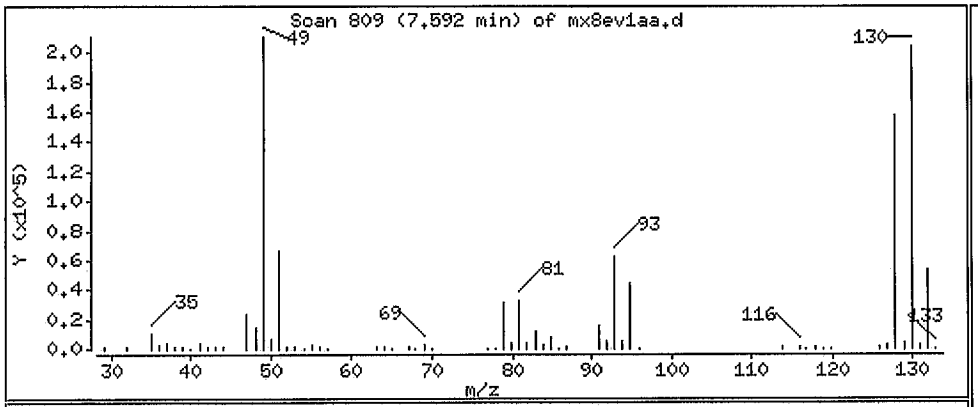
Client ID: 828076-SS-003B3-05 Instrument: mg.i

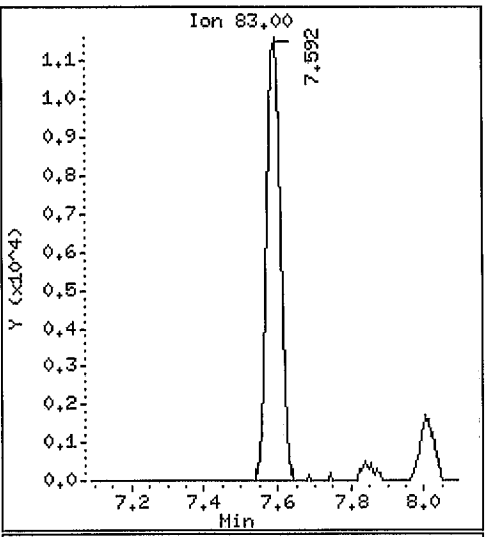
Sample Info: ,5,0,,,

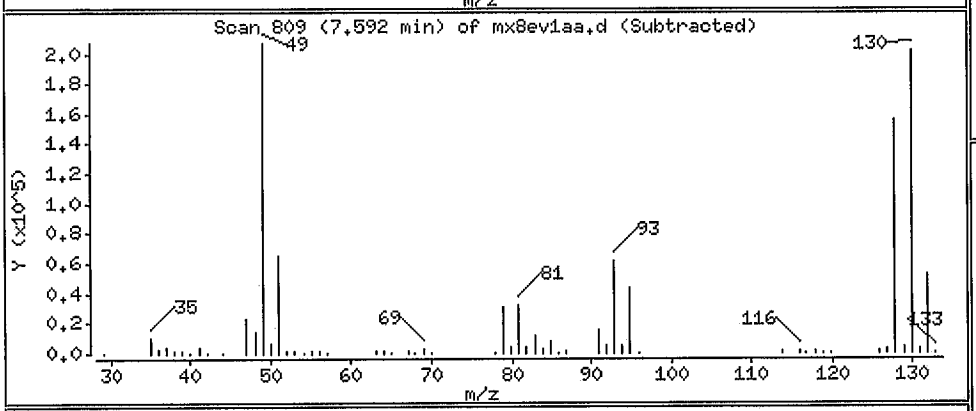
Purge Volume: 500.0 Operator: 7126

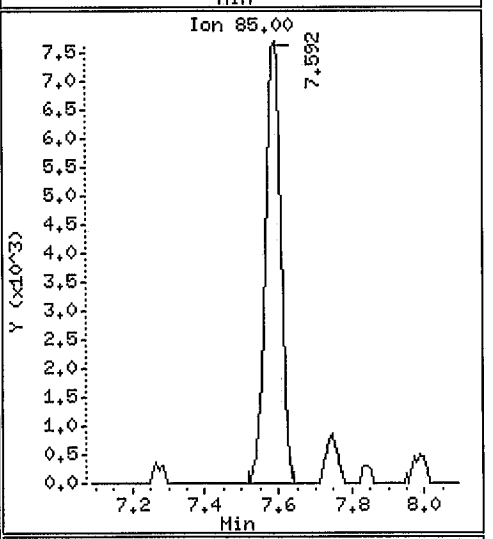
Column phase: Rtx-5 Column diameter: 0.32

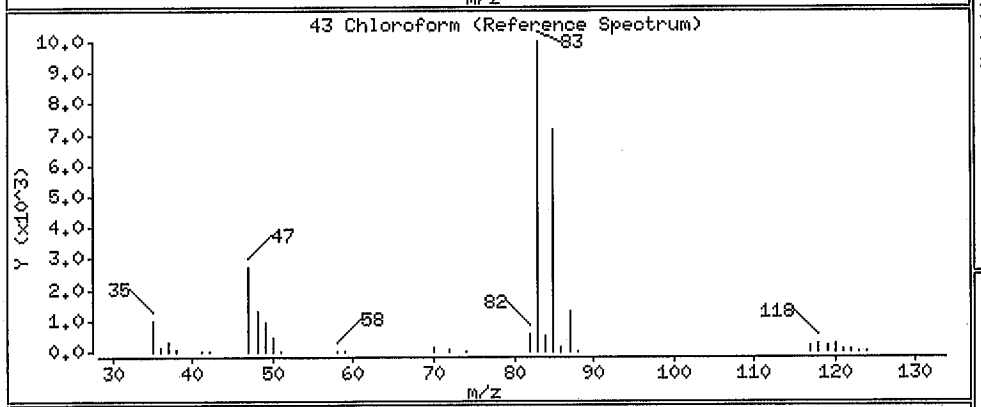
43 Chloroform Concentration: 0.4798 ppb(v/v)

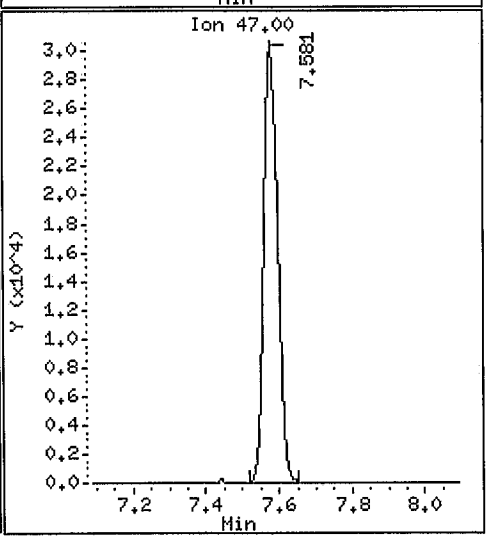


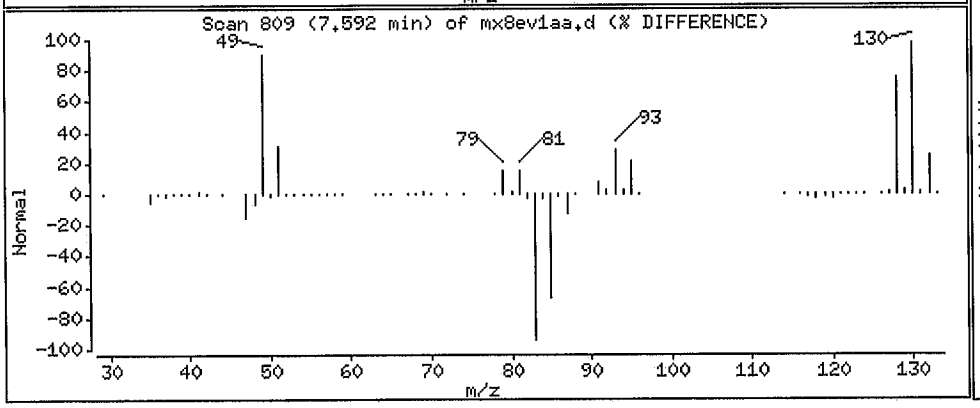












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

Client ID: 828076-SS-003B3-05

Instrument: mg.i

Sample Info: ,5,0,,,

Purge Volume: 500.0

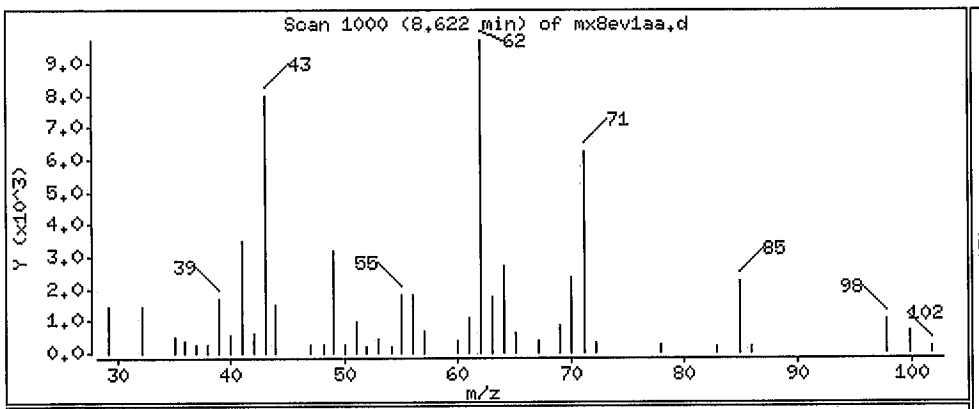
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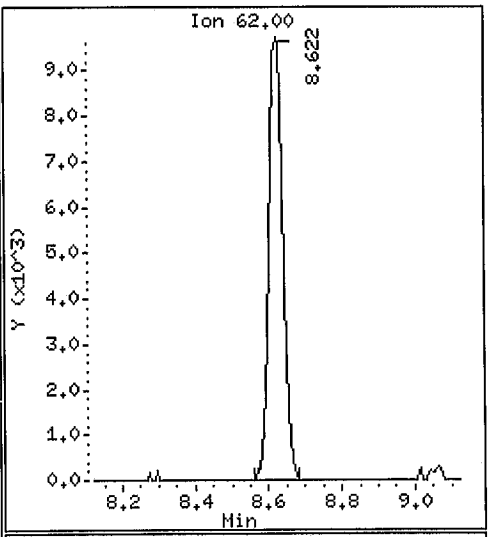
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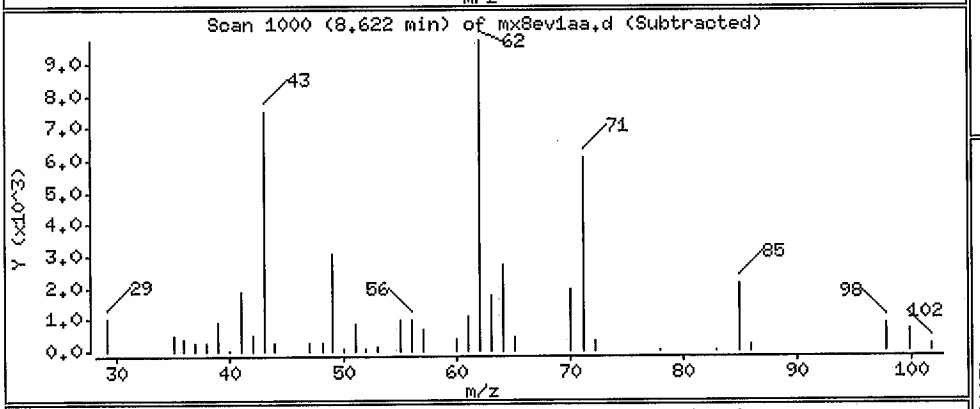
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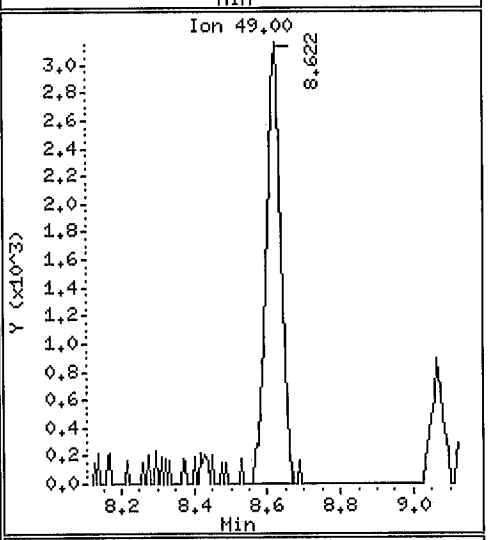
46 1,2-Dichloroethane

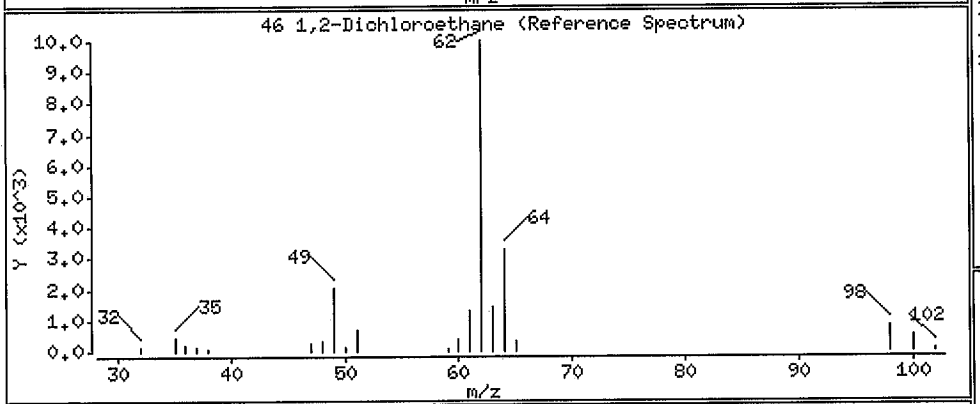
Concentration: 0.6014 ppb(v/v)

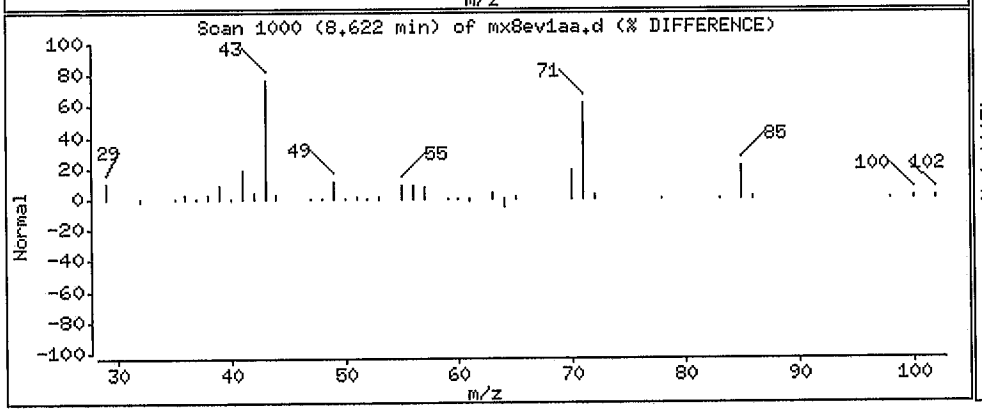


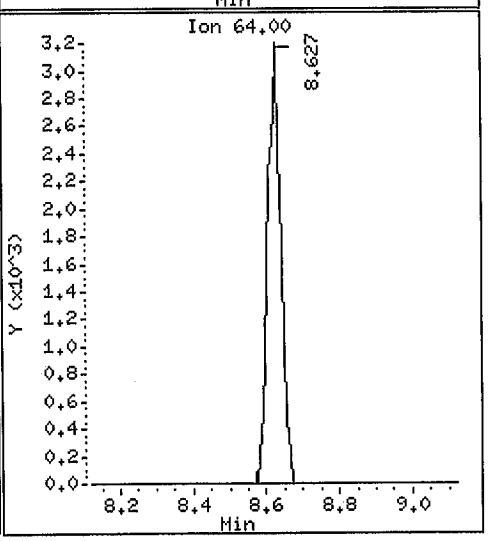












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

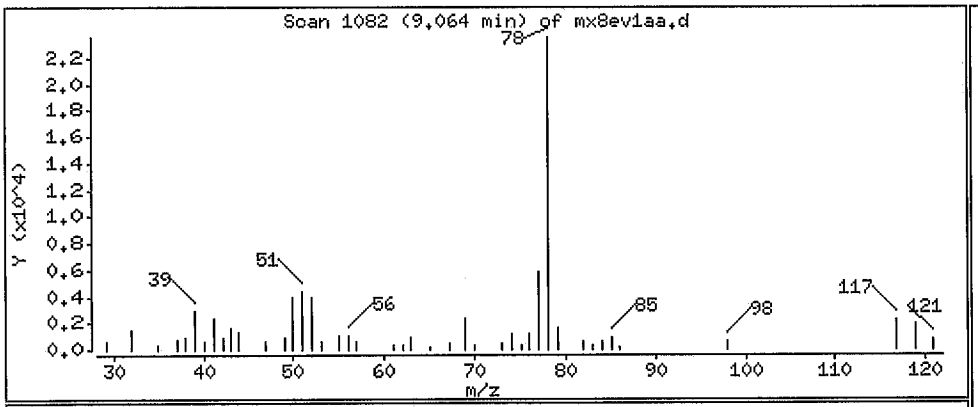
Client ID: 828076-SS-003B3-05 Instrument: mg.i

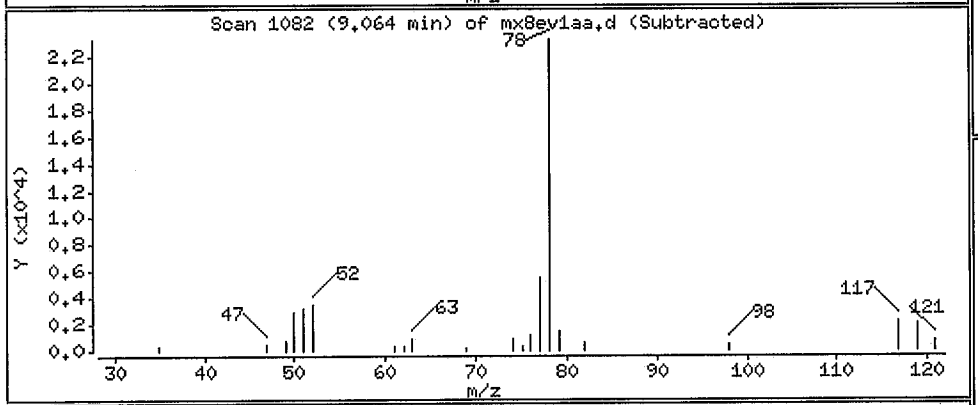
Sample Info: ,5,0,,,

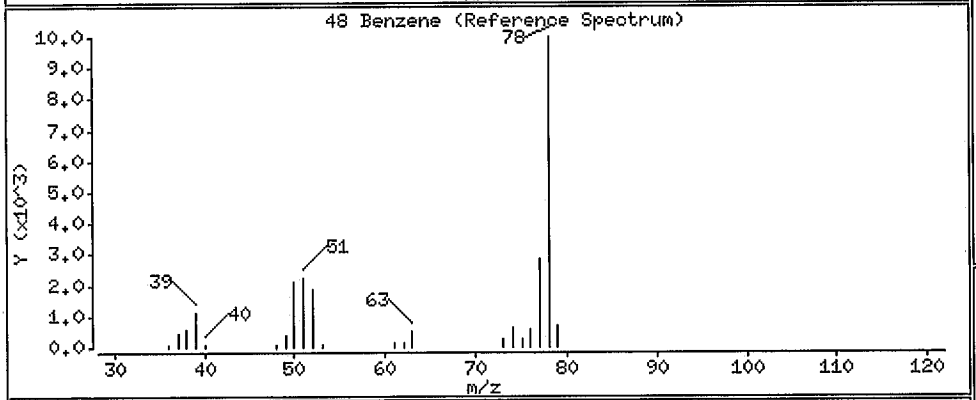
Purge Volume: 500.0 Operator: 7126

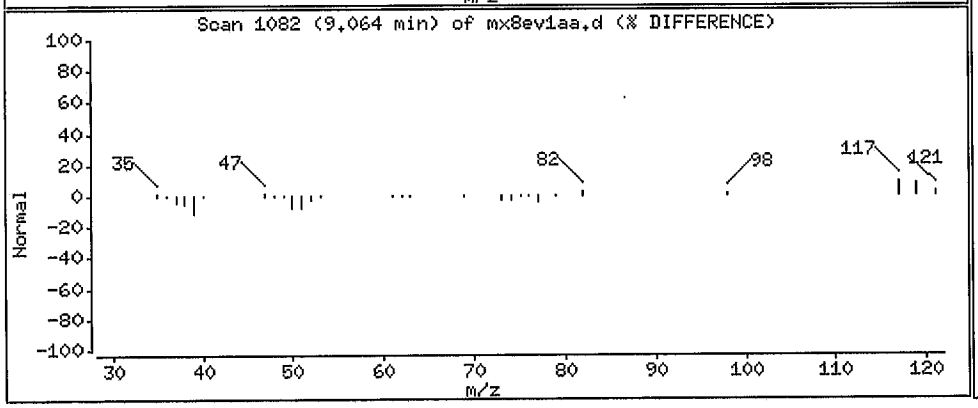
Column phase: Rtx-5 Column diameter: 0.32

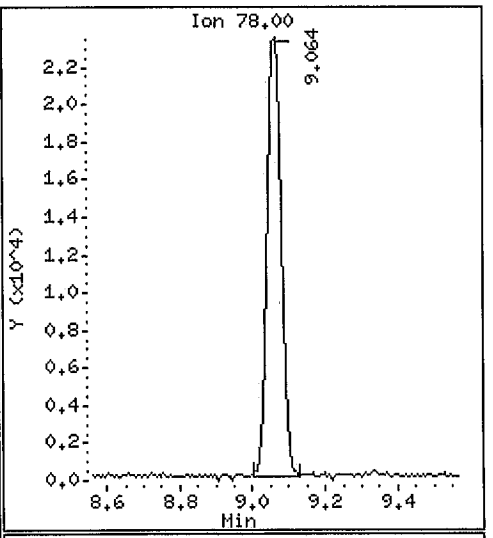
48 Benzene Concentration: 0.7160 ppb(v/v)

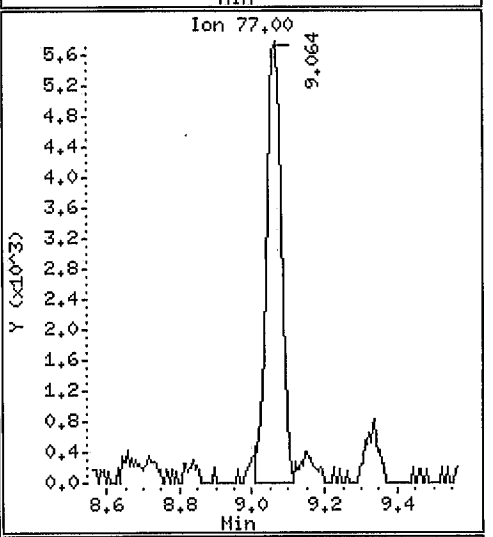


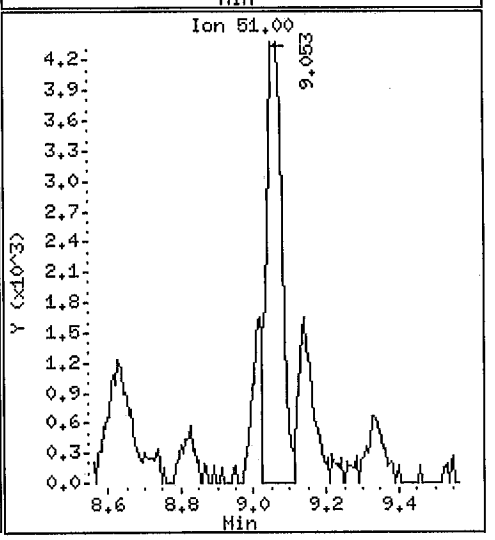












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

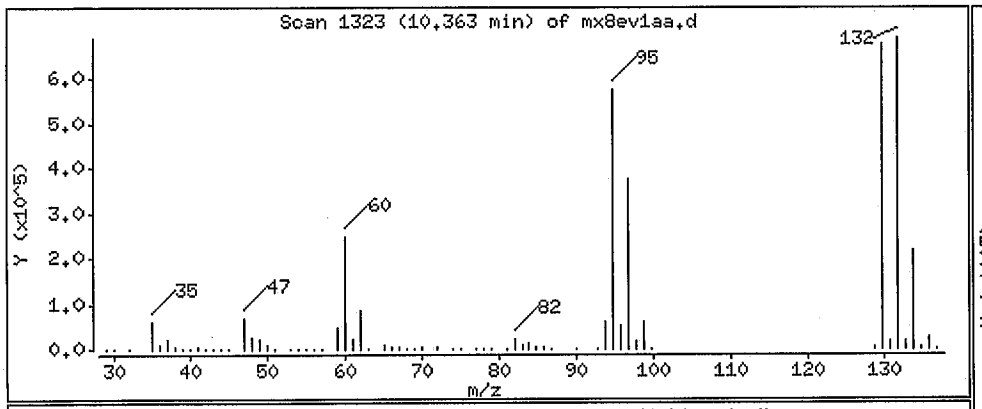
Client ID: 828076-SS-003B3-05 Instrument: mg.i

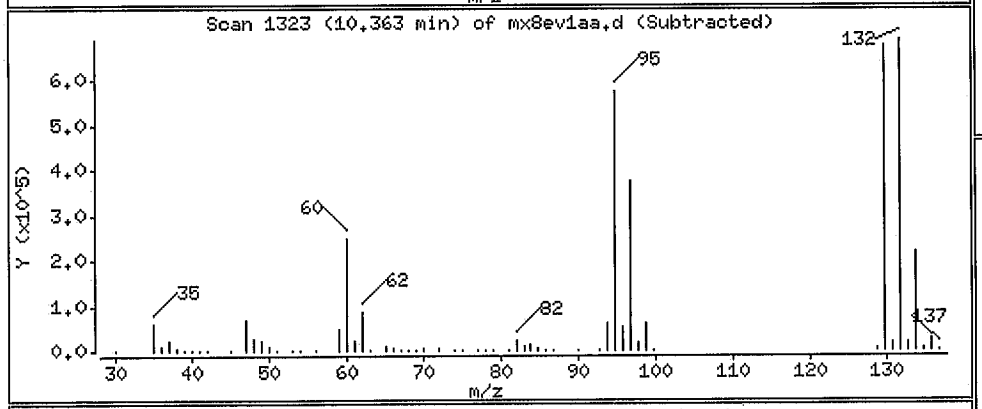
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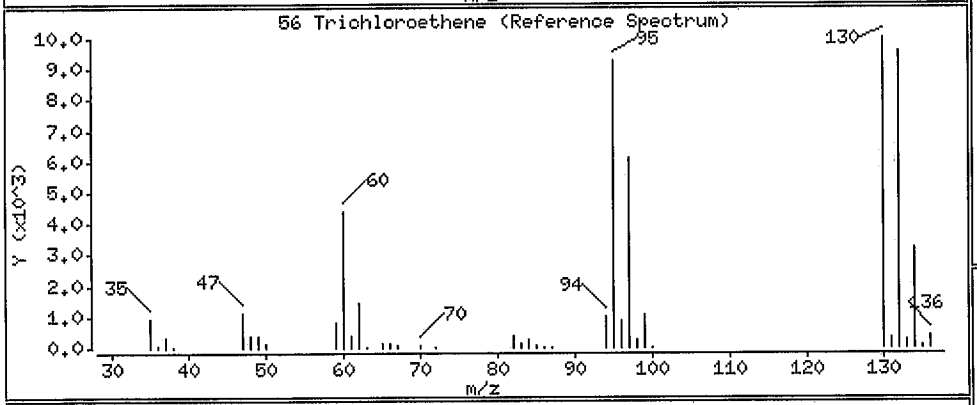
Purge Volume: 500.0 Operator: 7126

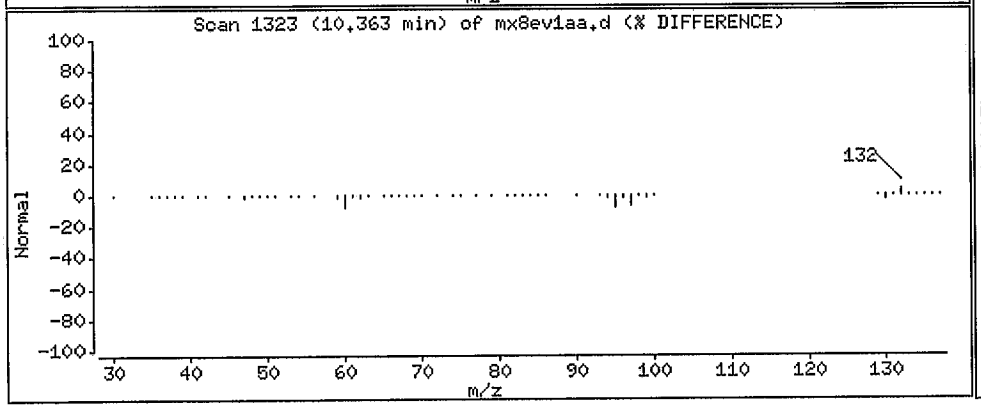
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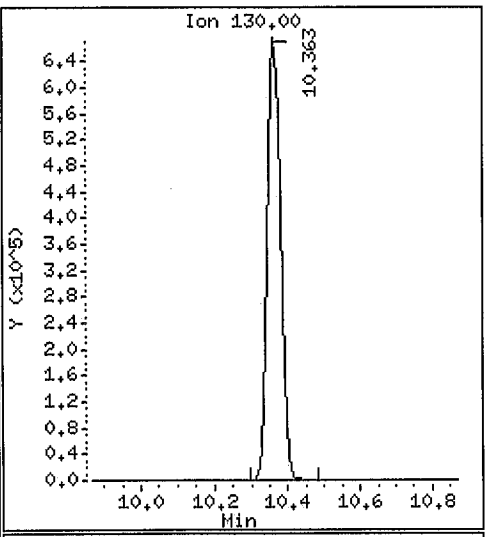
56 Trichloroethene Concentration: 34.68 ppb(v/v)

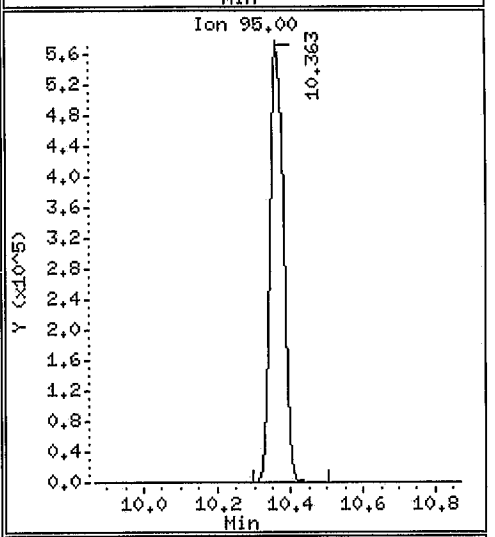


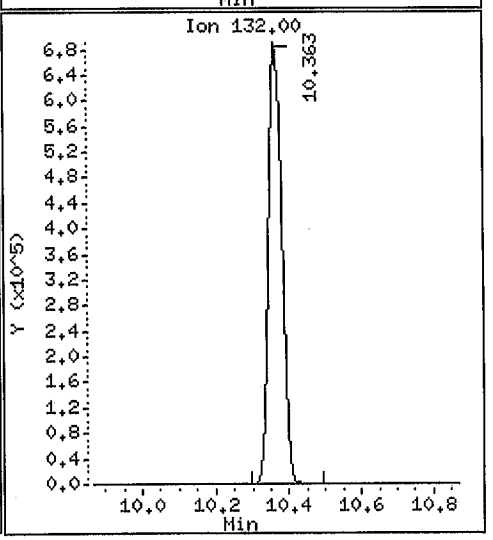












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

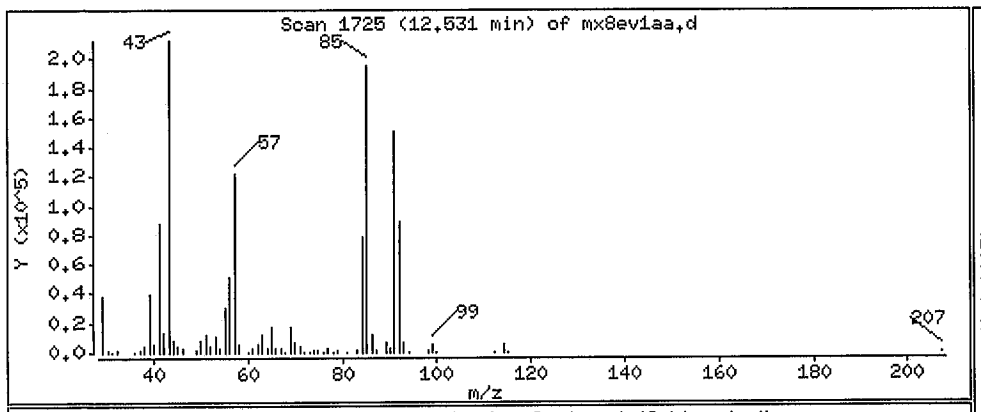
Client ID: 828076-SS-003B3-05 Instrument: mg.i

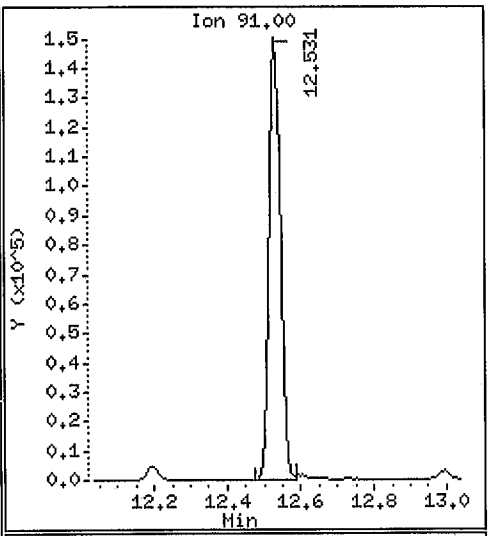
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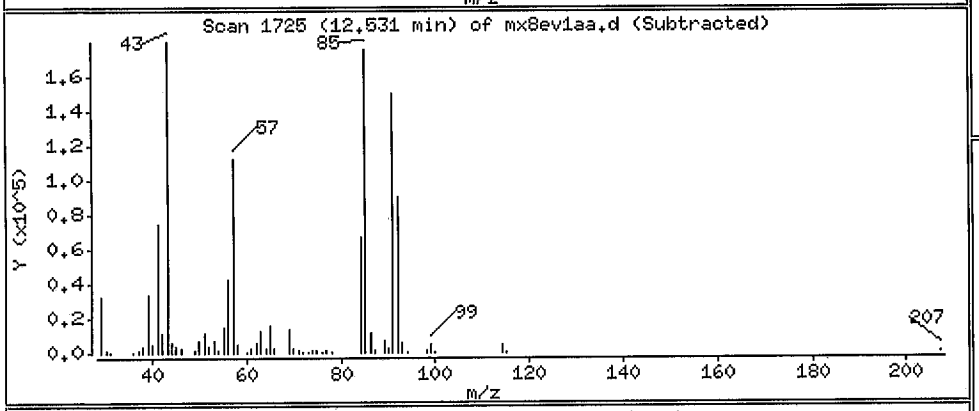
Purge Volume: 500.0 Operator: 7126

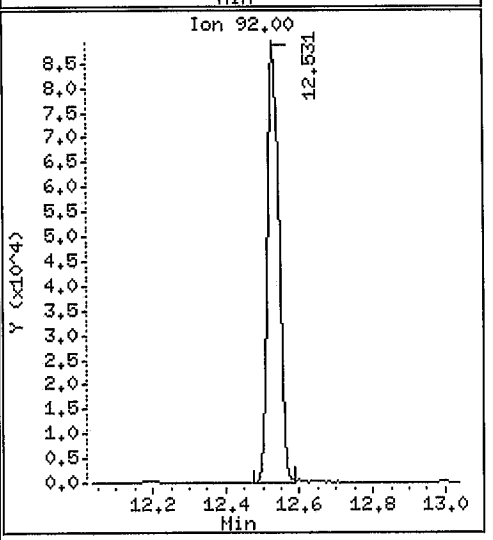
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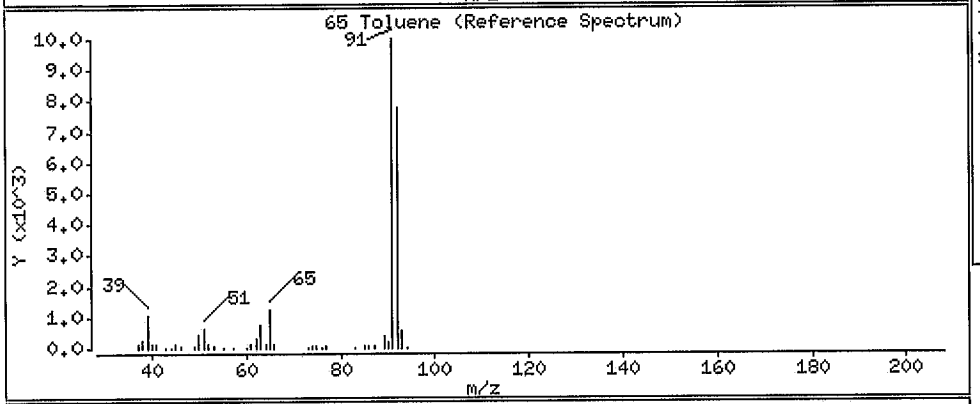
65 Toluene Concentration: 3.047 ppb(v/v)

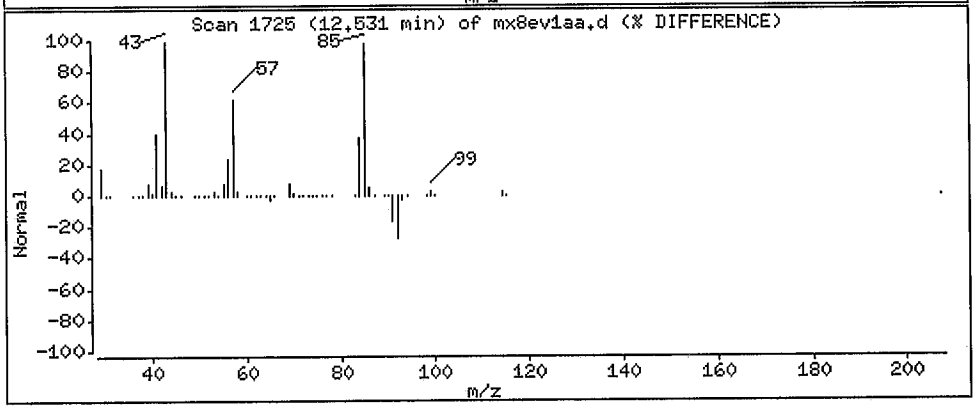












Data File: /var/chem/goms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

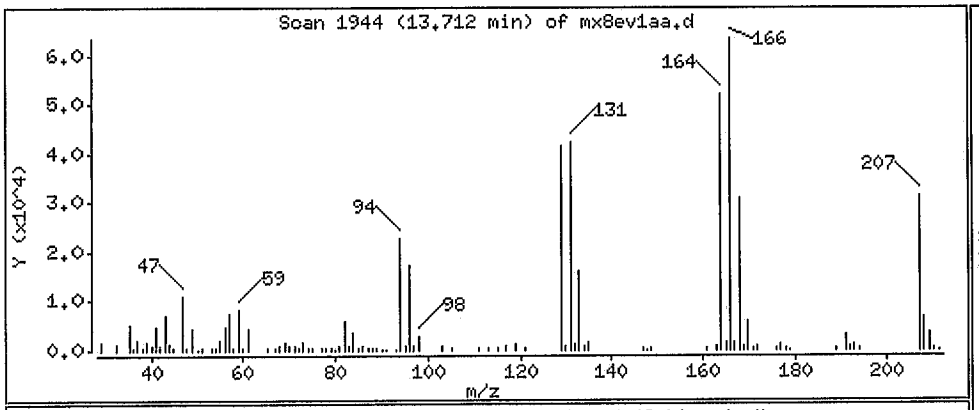
Client ID: 828076-SS-003B3-05 Instrument: mg.i

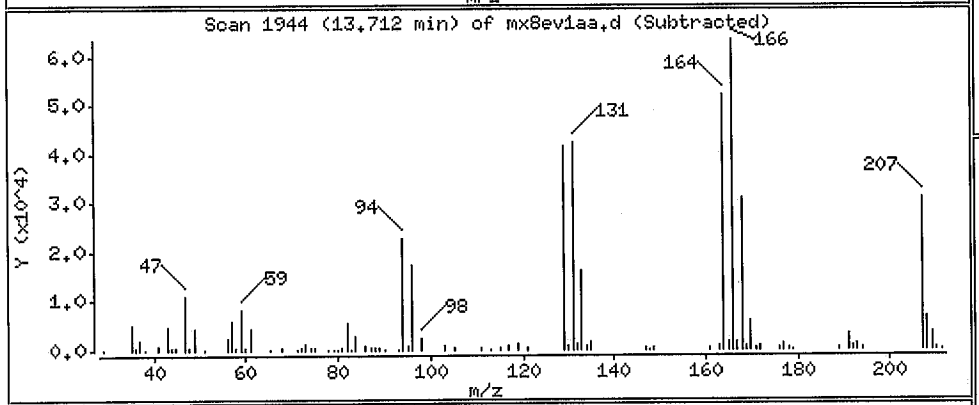
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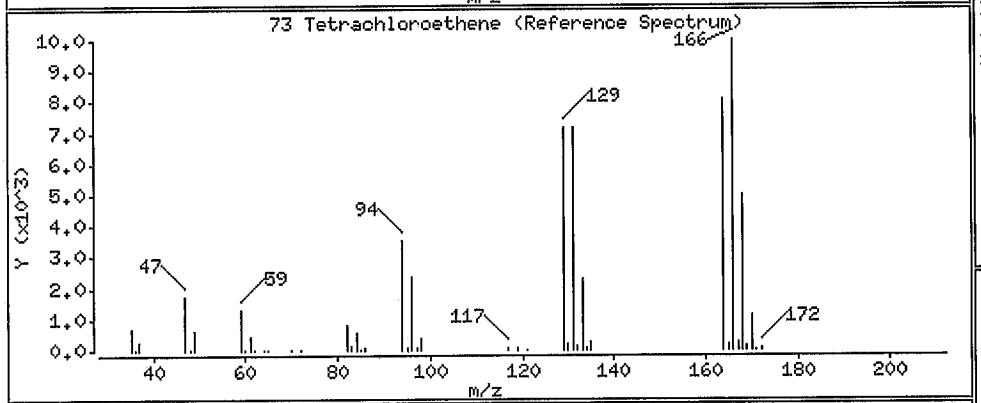
Purge Volume: 500.0 Operator: 7126

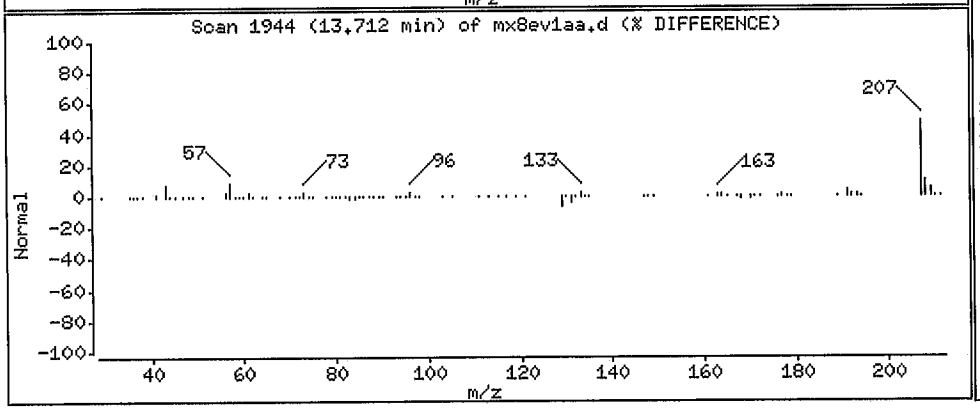
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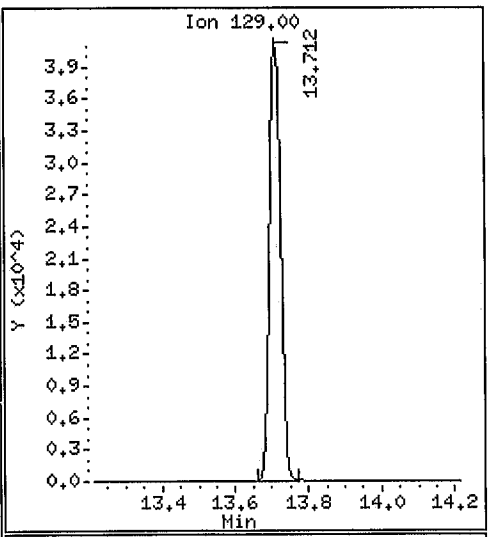
73 Tetrachloroethene Concentration: 2.044 ppb(v/v)

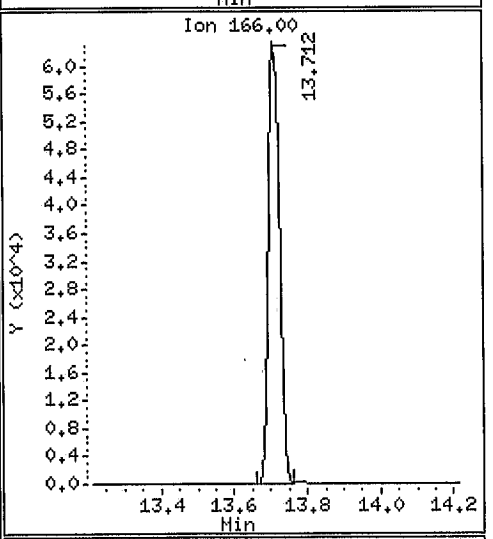


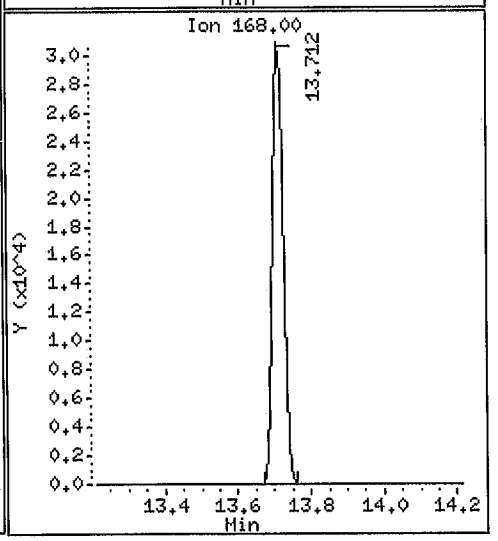












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

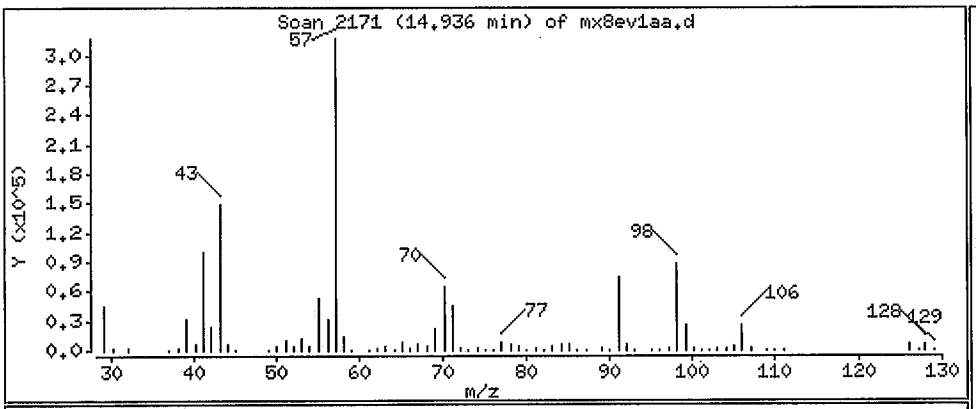
Client ID: 828076-SS-003B3-05 Instrument: mg.i

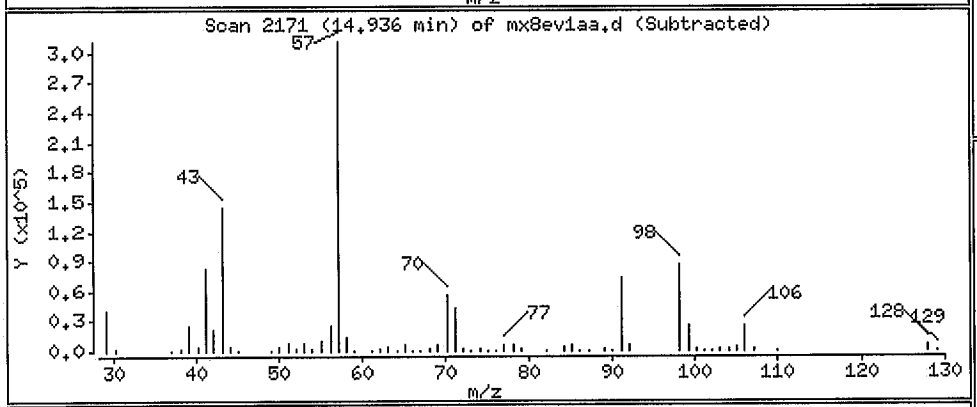
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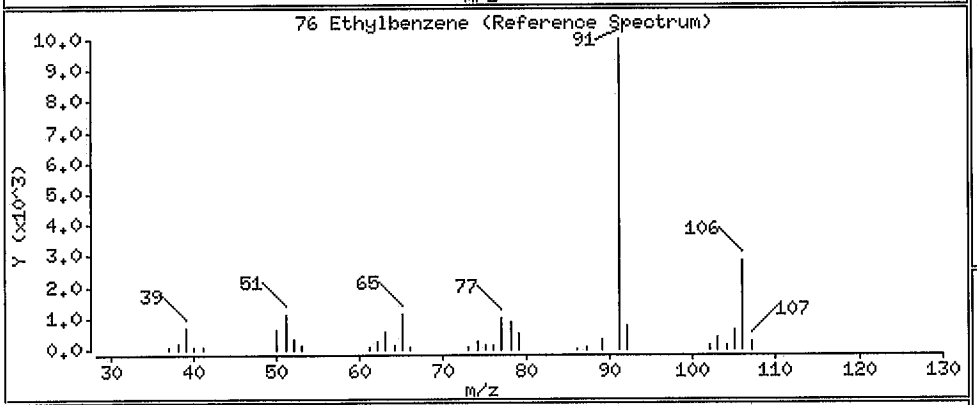
Purge Volume: 500.0 Operator: 7126

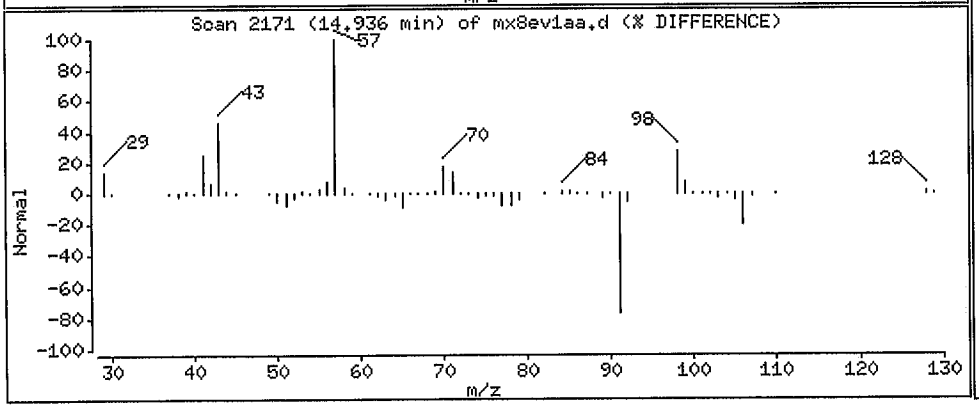
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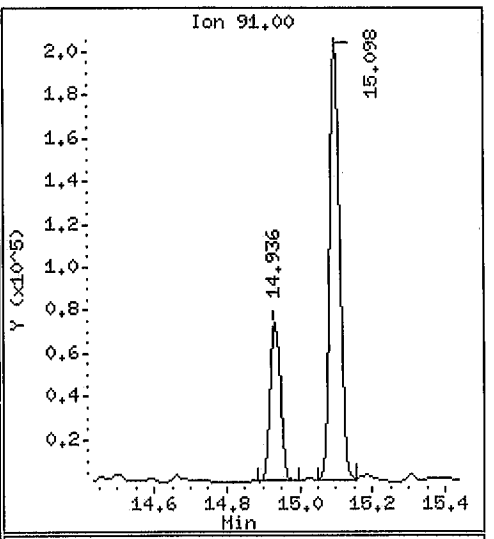
76 Ethylbenzene Concentration: 1.055 ppb(v/v)

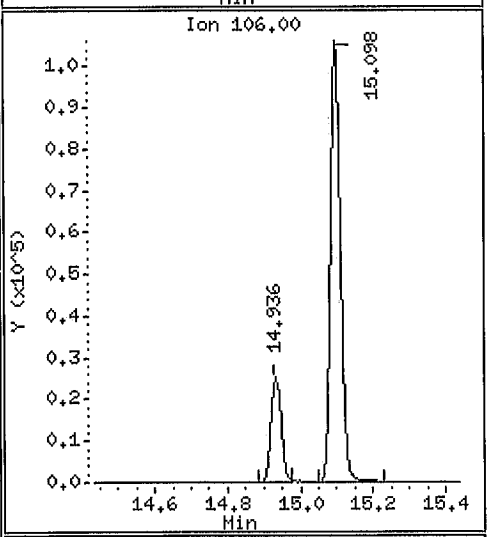


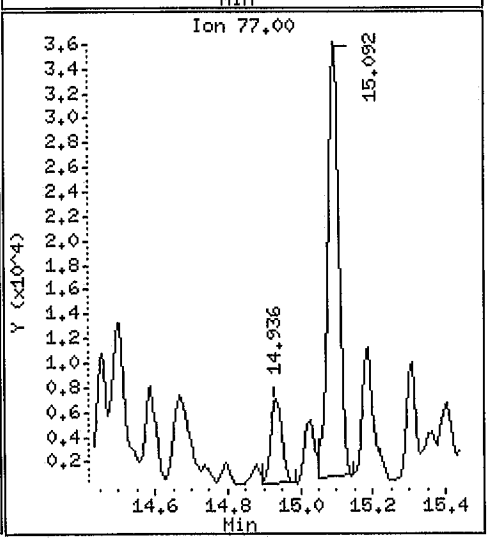












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

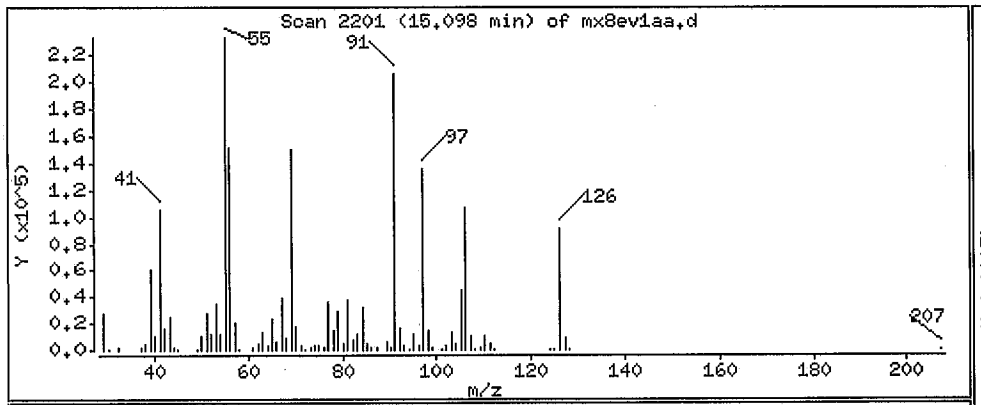
Client ID: 828076-SS-003B3-05 Instrument: mg.i

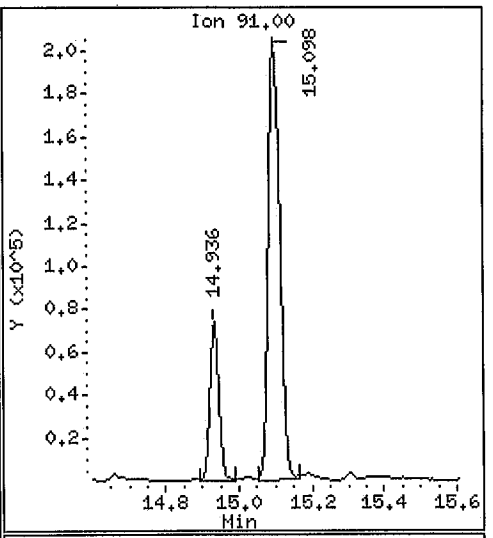
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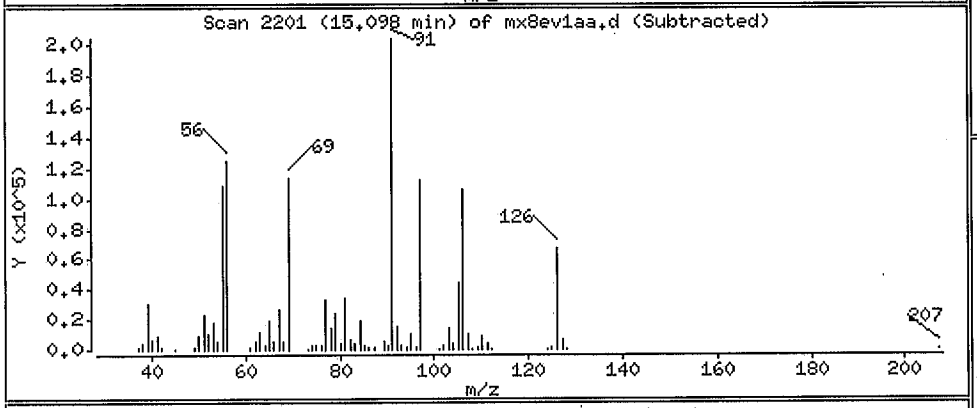
Purge Volume: 500.0 Operator: 7126

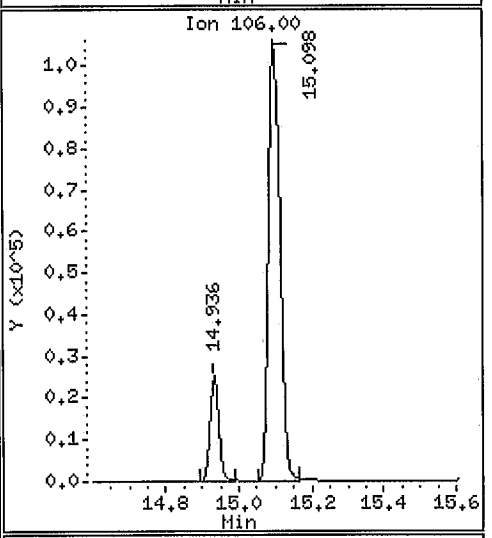
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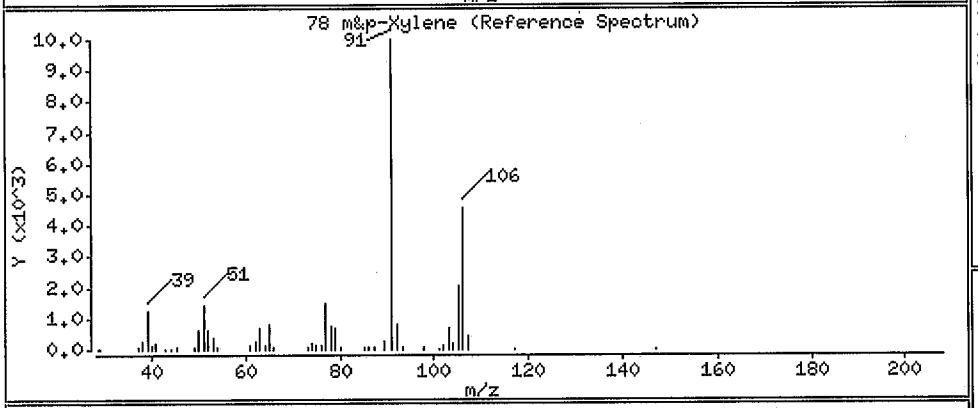
78 m&p-Xylene Concentration: 4.371 ppb(v/v)

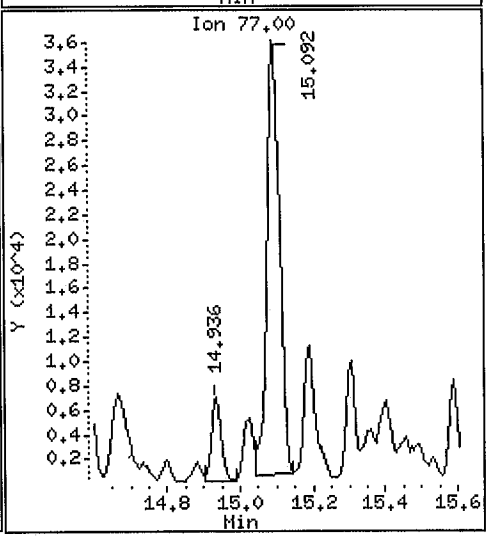


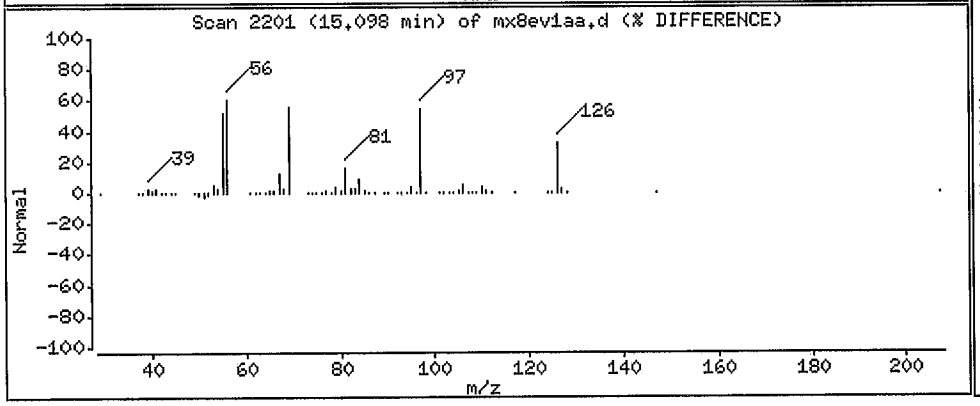












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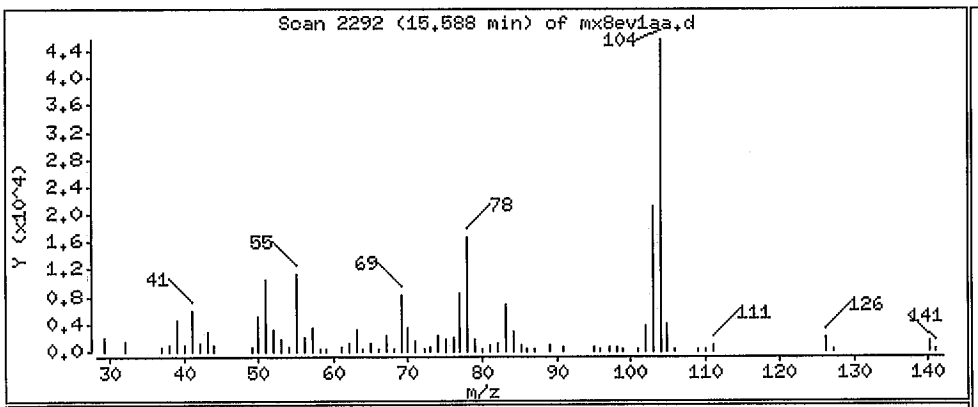
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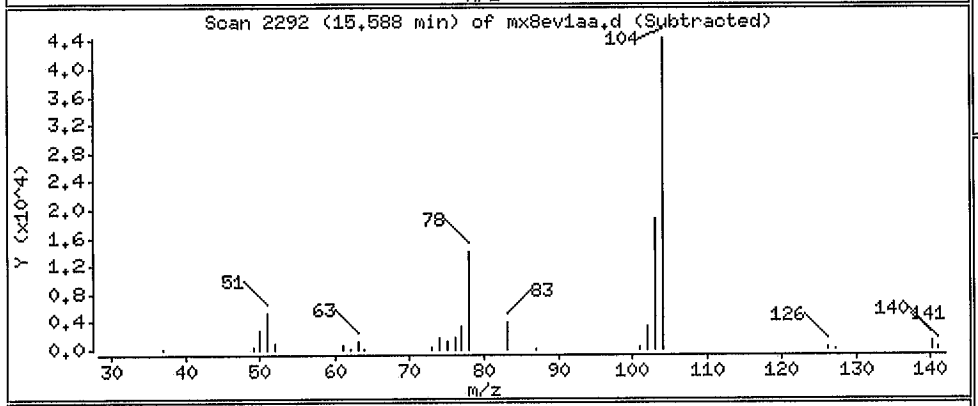
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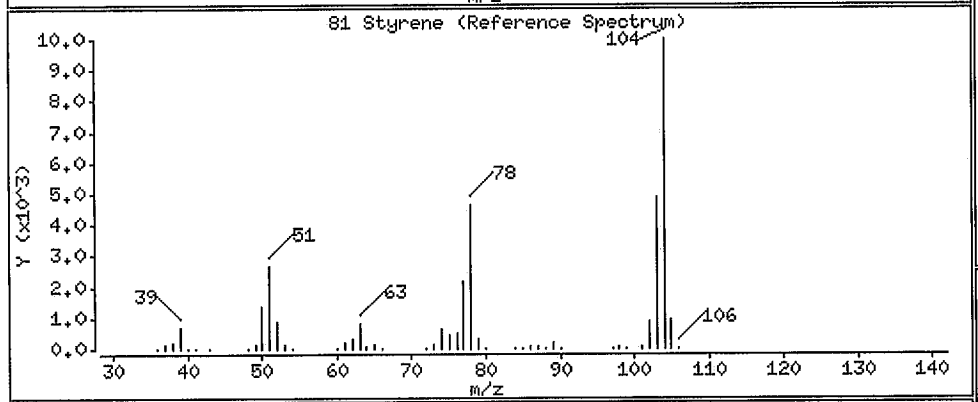
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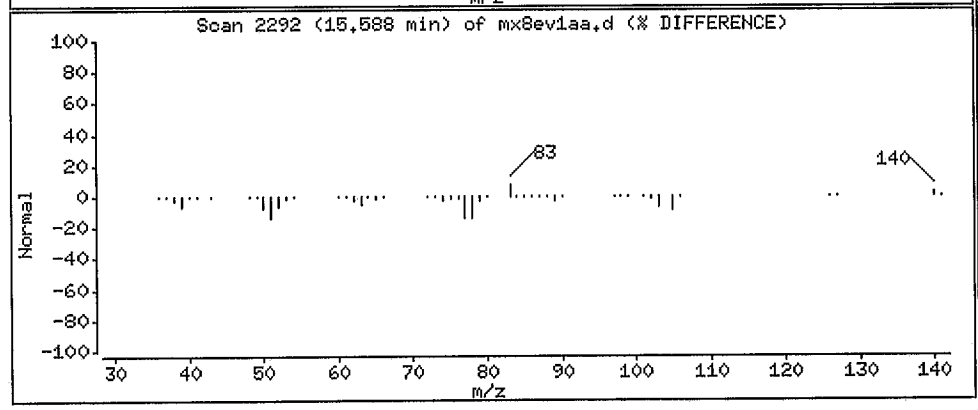
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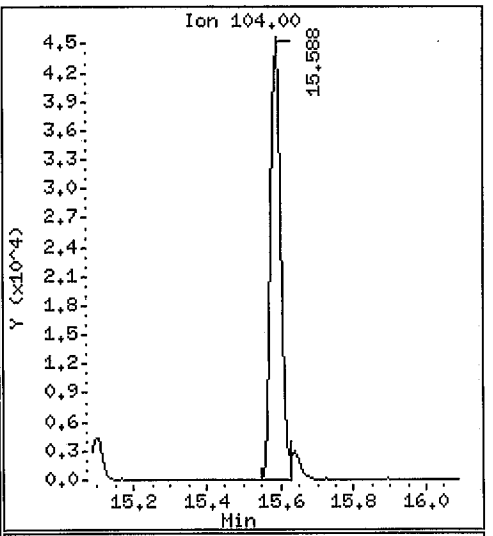
81 Styrene Concentration: 1.144 ppb(v/v)

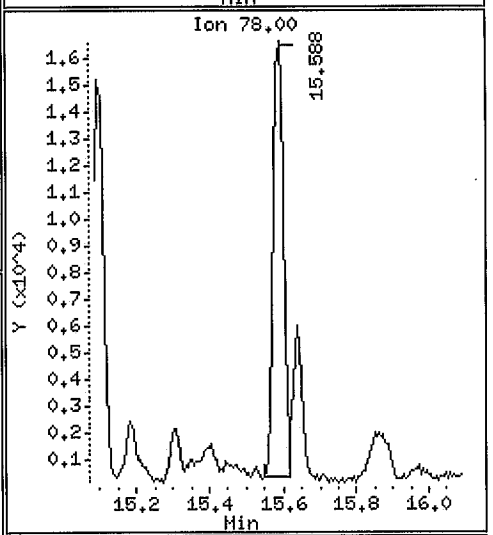


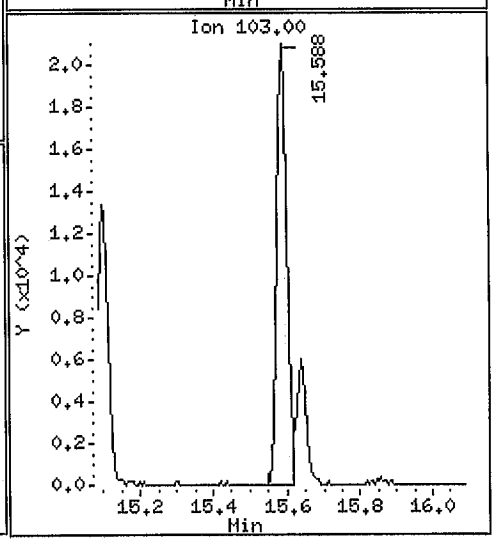












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

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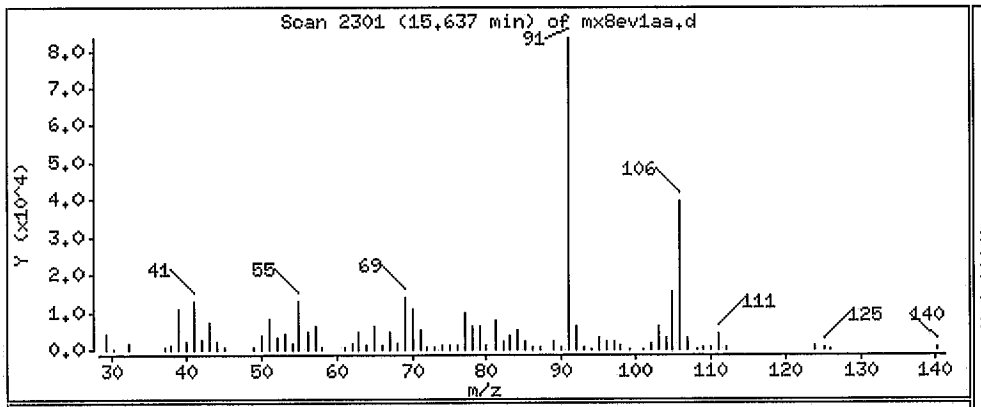
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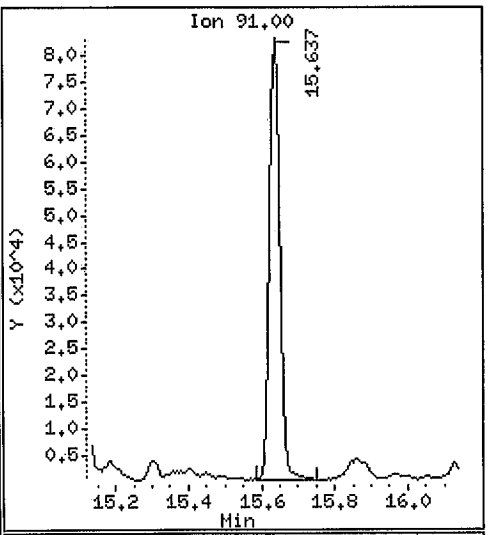
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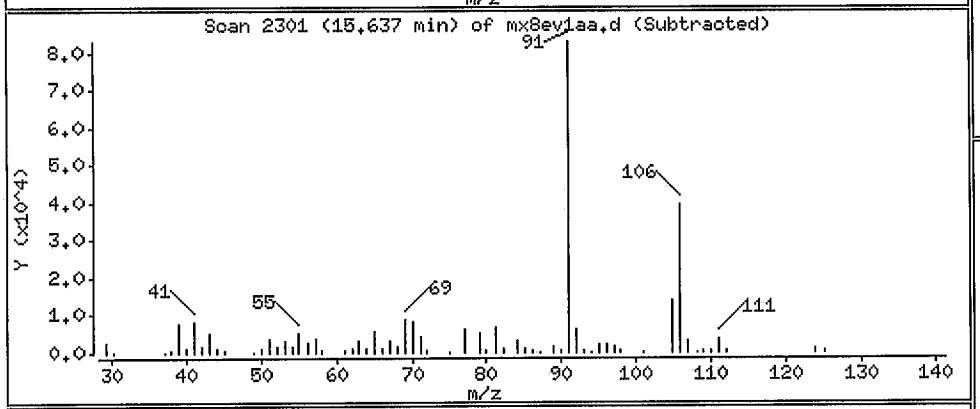
Purge Volume: 500.0 Operator: 7126

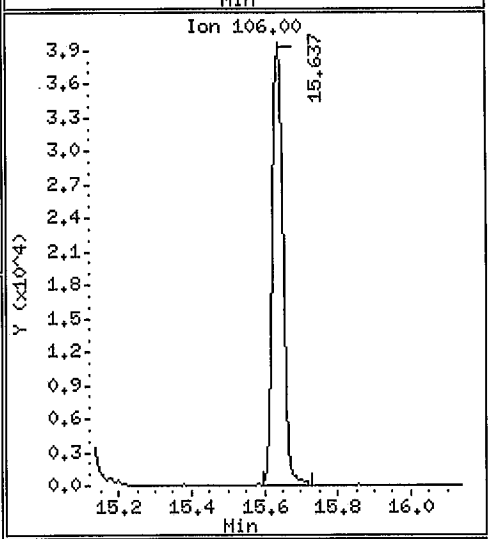
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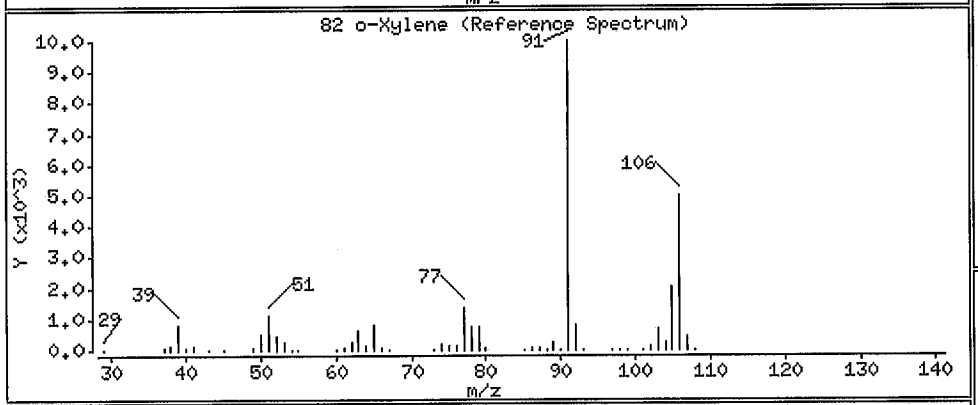
82 o-Xylene Concentration: 1.544 ppb(v/v)

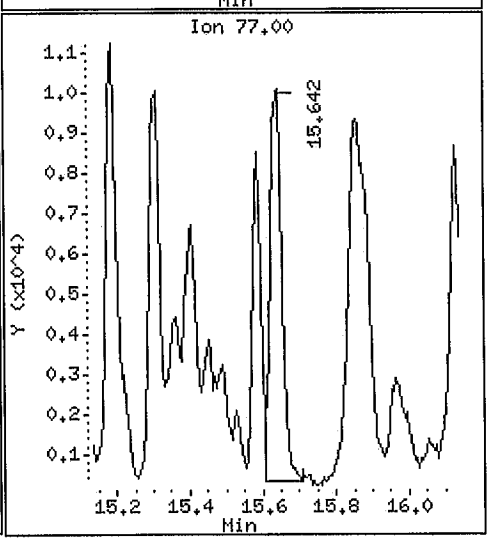


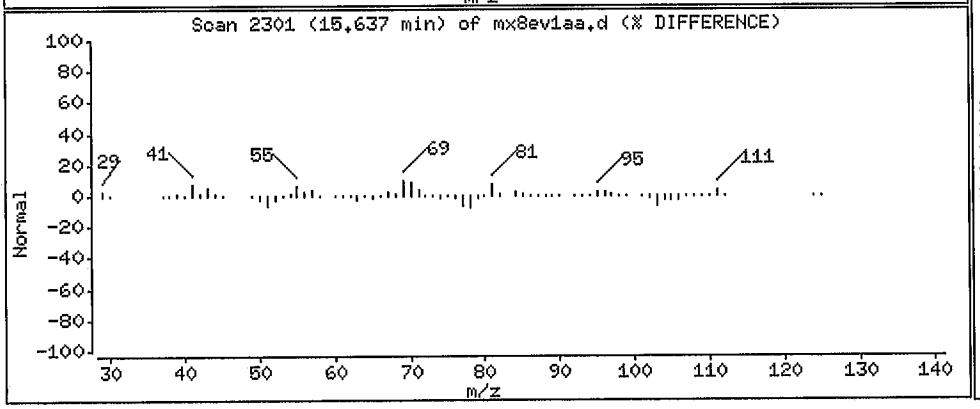












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

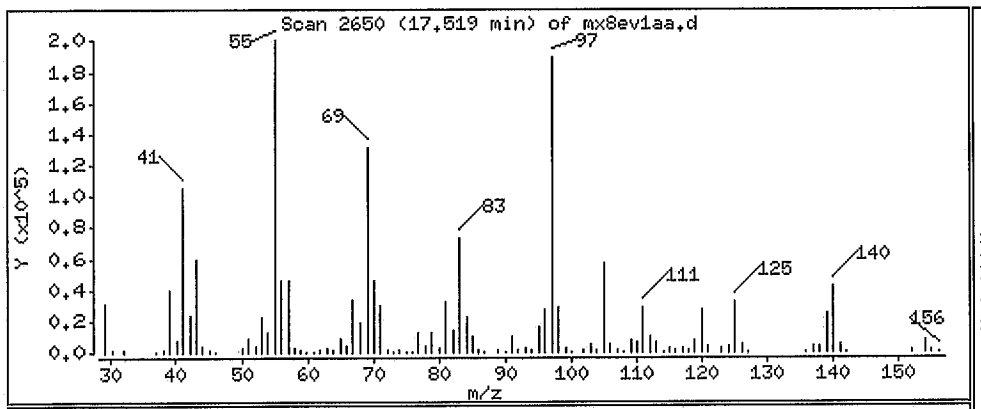
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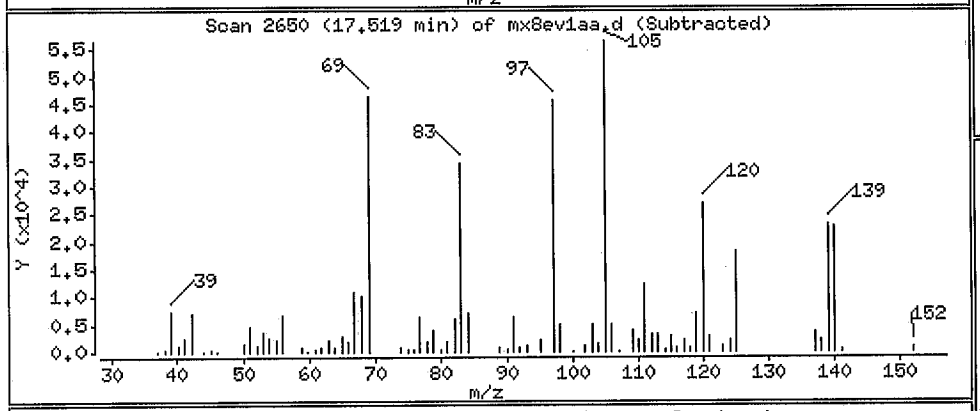
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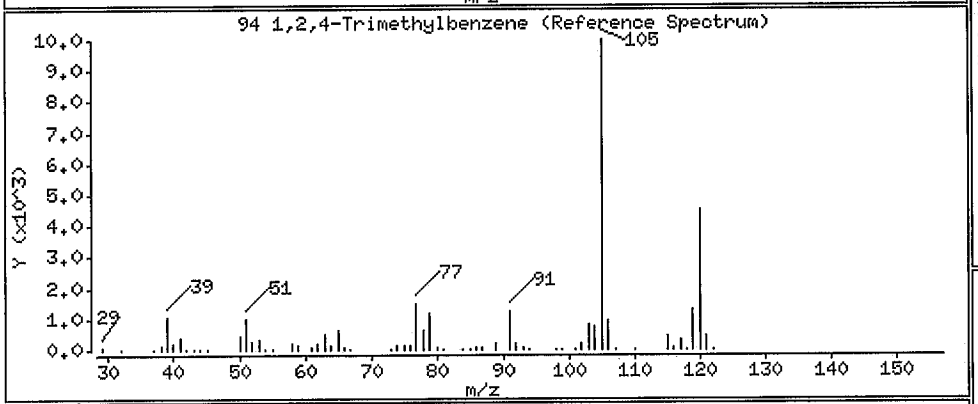
Purge Volume: 500.0 Operator: 7126

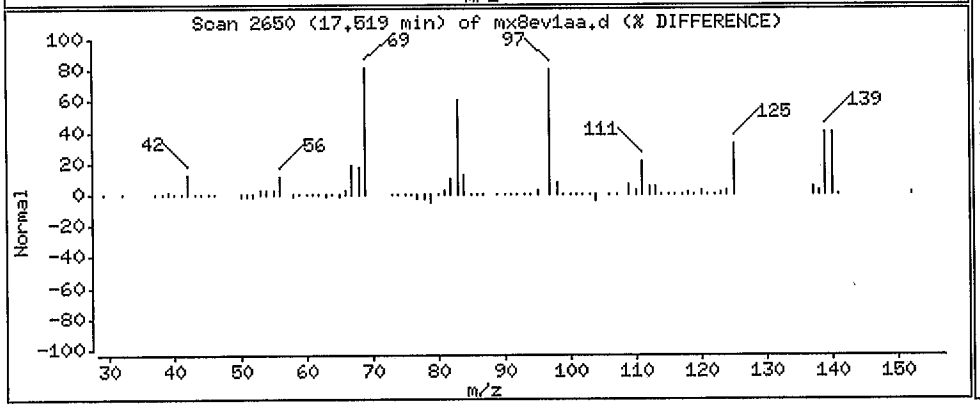
Column phase: Rtx-5 Column diameter: 0.32

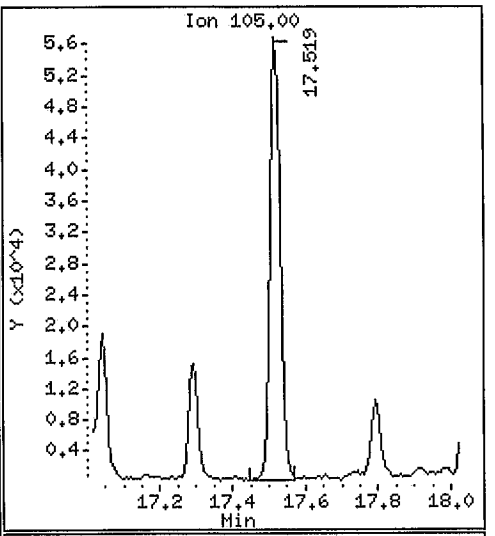
94 1,2,4-Trimethylbenzene Concentration: 0.8918 ppb(v/v)

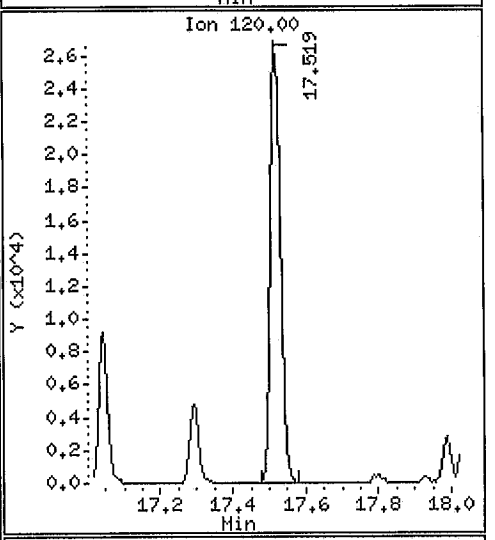


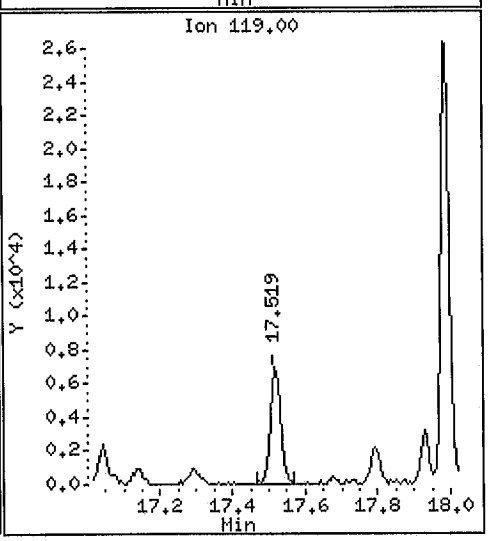












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ev1aa.d

Date : 01-MAR-2013 17:51

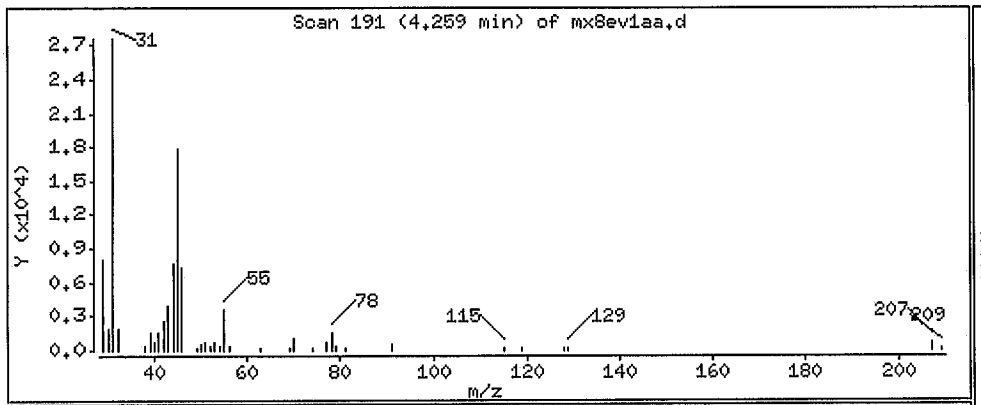
Client ID: 828076-SS-003B3-05 Instrument: mg.i

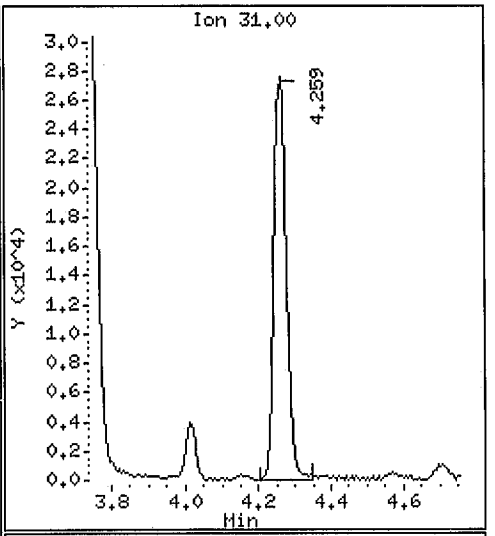
Sample Info: ,5,0,,,

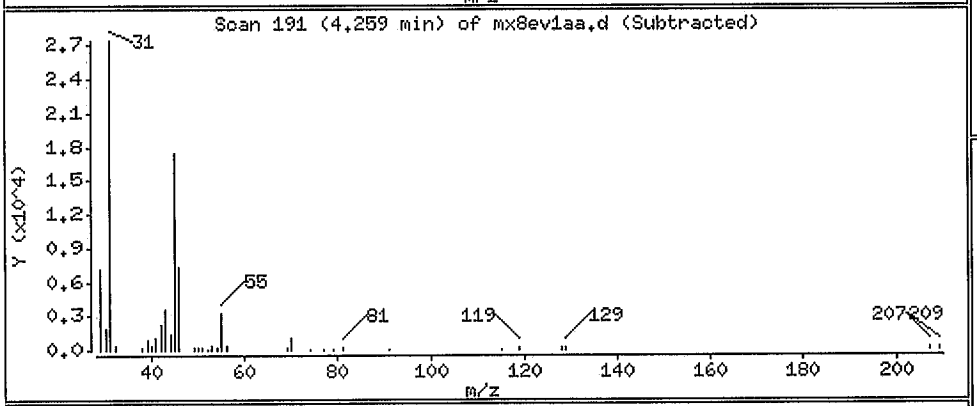
Purge Volume: 500.0 Operator: 7126

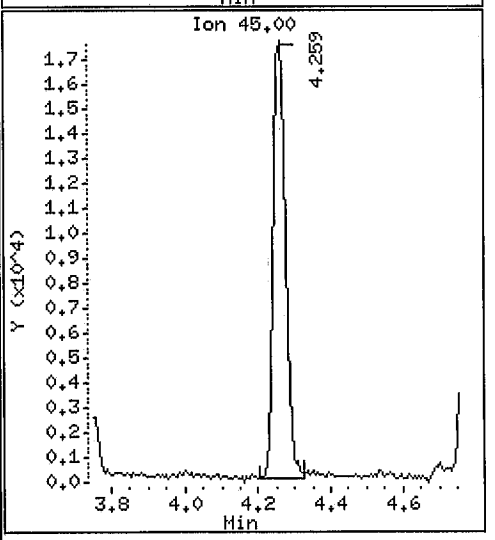
Column phase: Rtx-5 Column diameter: 0.32

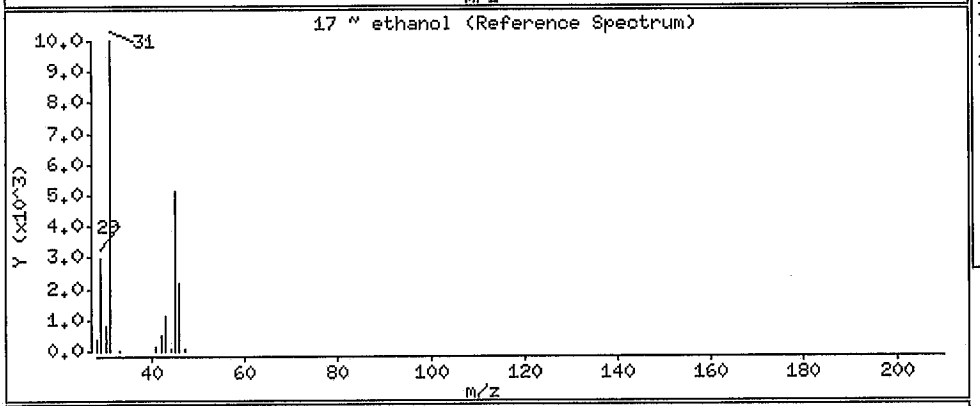
17 ~ ethanol Concentration: 8.099 ppb(v/v)

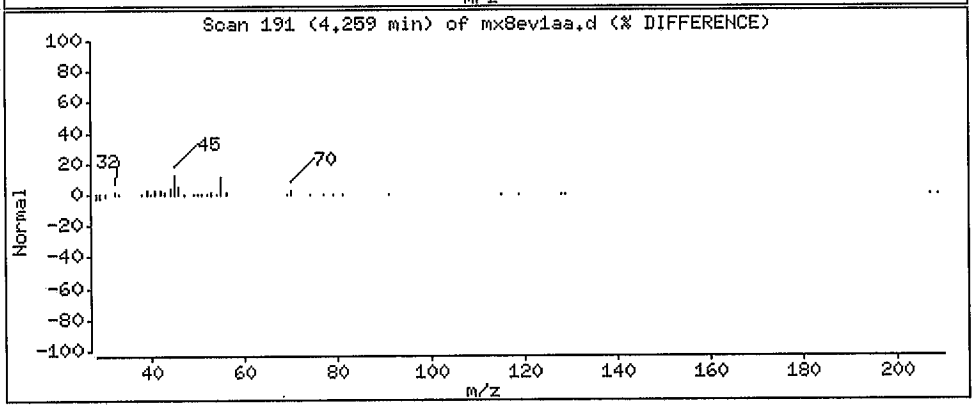












New York State D.E.C.

Client Sample ID: 828076-IA-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 015 **Work Order #** MX8EW1AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.95**	**0.080**	**4.7**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.27**	**0.080**	**1.3**	**0.39**
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.81**	**0.32**	**2.4**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**2.9**	**0.20**	**13**	**0.93**
Benzene	**1.4**	**0.080**	**4.5**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	**0.081**	**0.080**	**0.55**	**0.54**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.53**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.41**	**0.080**	**2.0**	**0.39**
Cyclohexane	**1.3**	**0.20**	**4.5**	**0.69**
Chloromethane	**0.52**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
Ethanol	**74**	**0.80**	**140**	**1.5**
Ethylbenzene	**1.2**	**0.080**	**5.4**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**3.3**	**0.20**	**12**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

New York State D.E.C.

Client Sample ID: 828076-IA-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 015 **Work Order #** MX8EW1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.56**	**0.20**	**1.9**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.11**	**0.080**	**0.76**	**0.54**
Toluene	**7.5**	**0.080**	**28**	**0.30**
m-Xylene & p-Xylene	**4.2**	**0.080**	**18**	**0.35**
o-Xylene	**1.5**	**0.080**	**6.5**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.041**	**0.040**	**0.22**	**0.21**
Trichlorofluoromethane	**0.52**	**0.080**	**2.9**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

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/mr.i/R022813.b/mx8ew1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d
Lab Smp Id: MX8EW1AA Client Smp ID: 828076-IA-003B4-01
Inj Date : 01-MAR-2013 04:16
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.094	9.088	(1.000)	337838	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1708724	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1332493	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.208	20.224	(1.156)	978265	4.19333	4.193
	7 Dichlorodifluoromethane	85	4.230	4.241	(0.465)	142899	0.40591	0.4059
	8 Chloromethane	52	4.408	4.419	(0.485)	22484	0.52249	0.5225
	20 Trichlorofluoromethane	101	5.681	5.675	(0.625)	178911	0.52308	0.5231
	31 Methylene Chloride	84	6.678	6.656	(0.734)	68019	0.55879	0.5588
	33 Carbon Disulfide	76	6.829	6.824	(0.751)	6832	0.01758	0.01758
	40 Hexane	56	8.425	8.414	(0.926)	387203	3.33573	3.336
	39 2-Butanone	72	8.355	8.344	(0.919)	54948	0.81008	0.8101
	43 Chloroform	83	9.115	9.105	(1.002)	110457	0.40787	0.4079
	44 Tetrahydrofuran	42	9.498	9.498	(1.044)	268583	1.75842	1.758
	49 Cyclohexane	69	10.728	10.722	(0.952)	88547	1.31998	1.320
	48 Benzene	78	10.706	10.706	(0.950)	605587	1.40015	1.400
	50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	18974	0.08492	0.08492

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d
Report Date: 01-Mar-2013 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53 2,2,4-trimethylpentane	57	11.547	11.547	(1.024)	2018783	2.88155	2.882
54 Heptane	71	11.968	11.968	(1.062)	205694	1.35528	1.355
56 Trichloroethene	130	12.070	12.070	(1.071)	7841	0.04075	0.04075
58 Bromodichloromethane	83	12.319	12.318	(1.093)	22393	0.08145	0.08145
64 trans-1,3-Dichloropropene	75	14.632	14.454	(0.837)	26843	0.11111	0.1111
65 Toluene	91	14.632	14.632	(0.837)	4120794	7.45351	7.454
73 Tetrachloroethene	129	16.239	16.244	(0.929)	21981	0.11225	0.1122
76 Ethylbenzene	91	18.045	18.067	(1.032)	867209	1.24906	1.249
78 m&p-Xylene	91	18.309	18.336	(1.048)	2251285	4.20044	4.200
82 o-Xylene	91	19.172	19.194	(1.097)	822339	1.48721	1.487
86 Cumene	105	20.197	20.207	(1.155)	204449	0.25592	0.2559
87 n-Propylbenzene	120	21.157	21.167	(1.210)	48633	0.21234	0.2123
89 4-Ethyltoluene	105	21.442	21.453	(1.227)	266150	0.32521	0.3252
90 1,3,5-Trimethylbenzene	120	21.593	21.609	(1.235)	104417	0.27049	0.2705
94 1,2,4-Trimethylbenzene	105	22.435	22.445	(1.284)	644166	0.95377	0.9538
17 ~ ethanol	31	5.233	5.222	(0.575)	3423409	73.8853	73.88

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8ew1aa.d
Lab Smp Id: MX8EW1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B4-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	337838	-22.75
2 1,4-Difluorobenze	2178721	1296339	3061103	1708724	-21.57
3 Chlorobenzene-d5	1632809	971521	2294097	1332493	-18.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8ew1aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

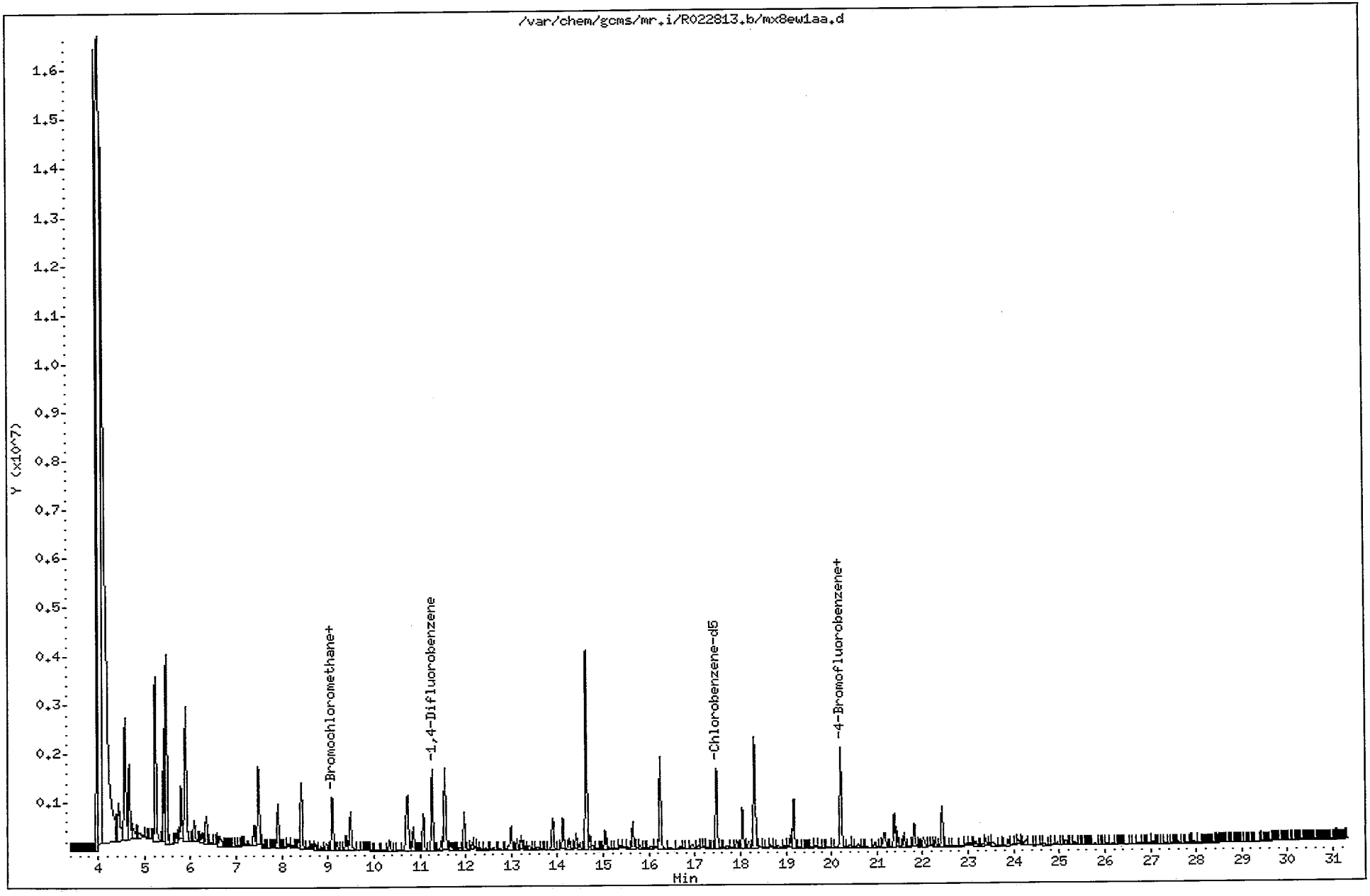
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EW1AA Client Smp ID: 828076-IA-003B4-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.193	104.83	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d
Date : 01-MAR-2013 04:16
Client ID: 828076-IA-003B4-01
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

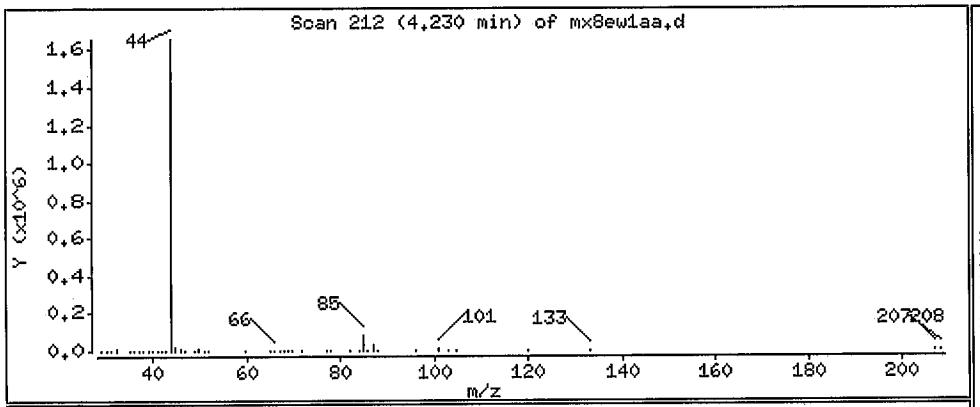
Client ID: 828076-IA-003B4-01 Instrument: mr.i

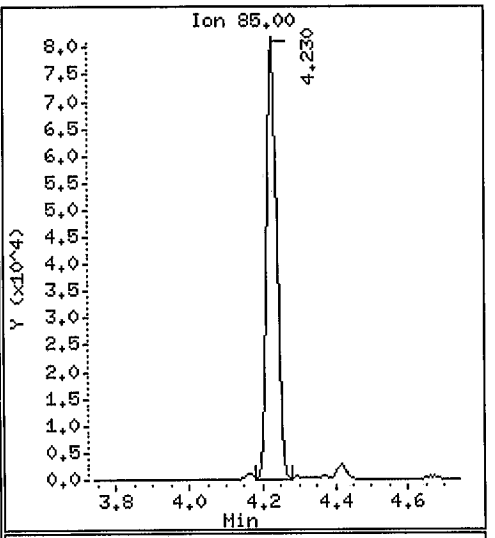
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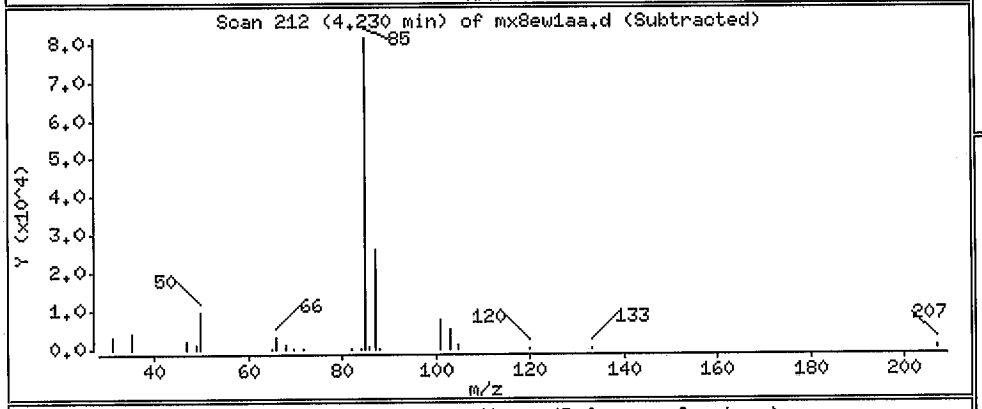
Purge Volume: 500.0 Operator: 403648

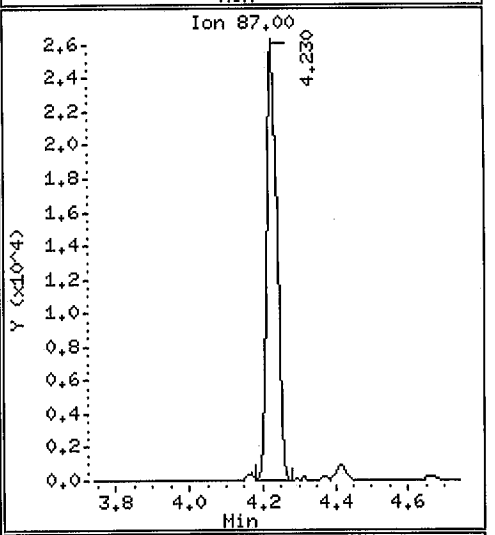
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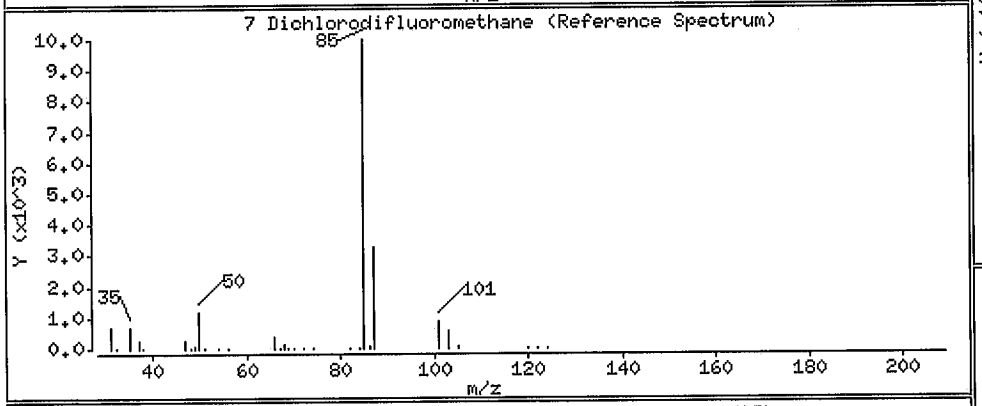
7 Dichlorodifluoromethane Concentration: 0.4059 ppb(v/v)

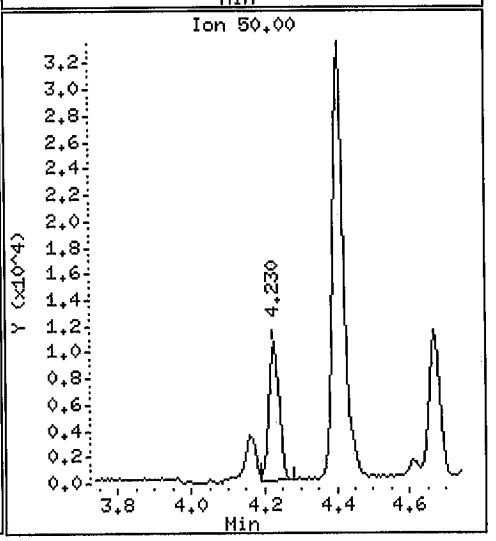


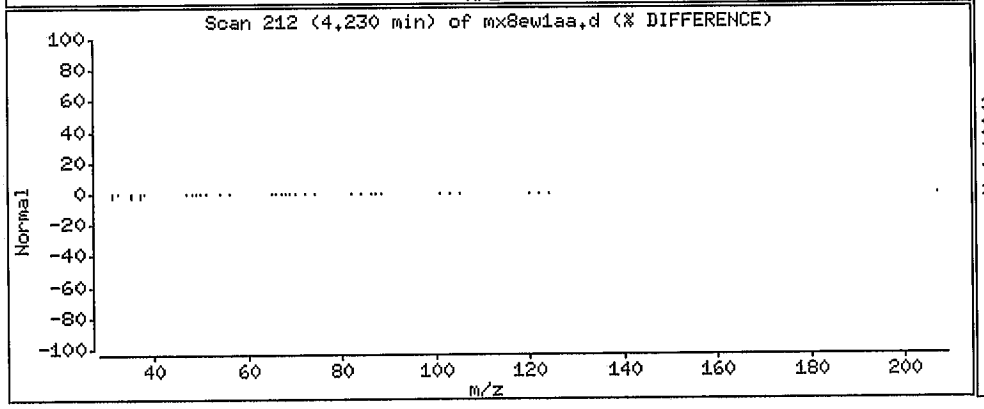












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

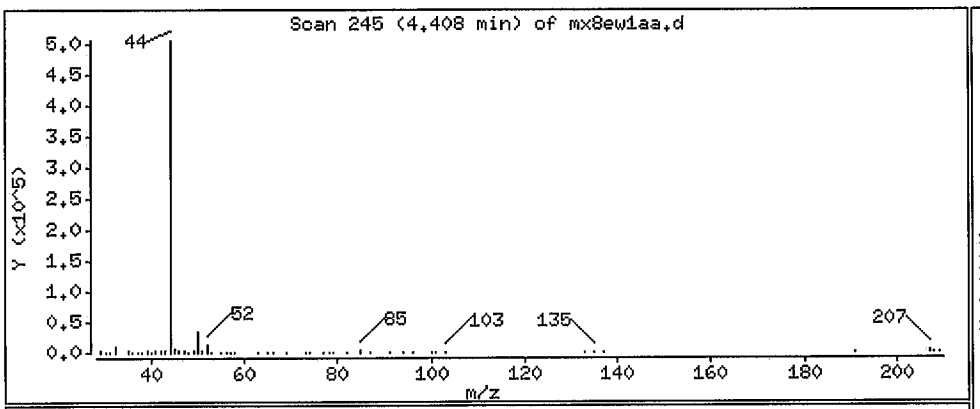
Client ID: 828076-IA-003B4-01 Instrument: mr.i

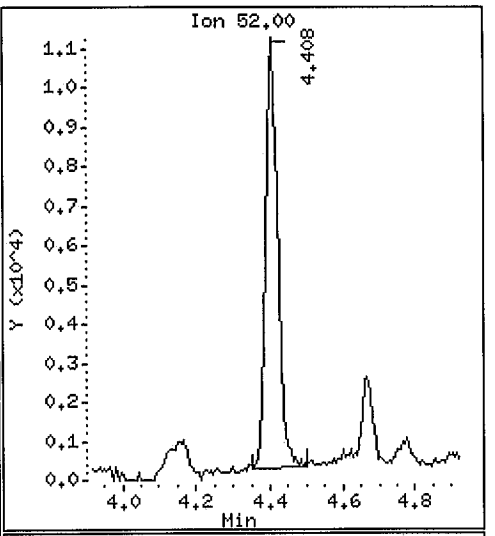
Sample Info: ,,0,,,

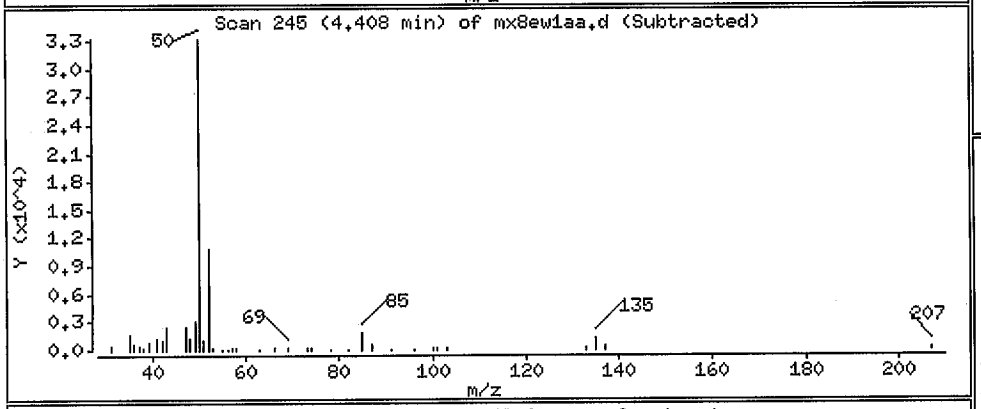
Purge Volume: 500.0 Operator: 403648

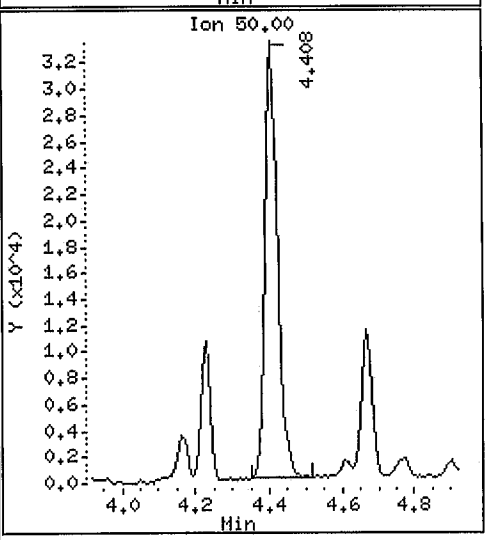
Column phase: Rtx-5 Column diameter: 0.32

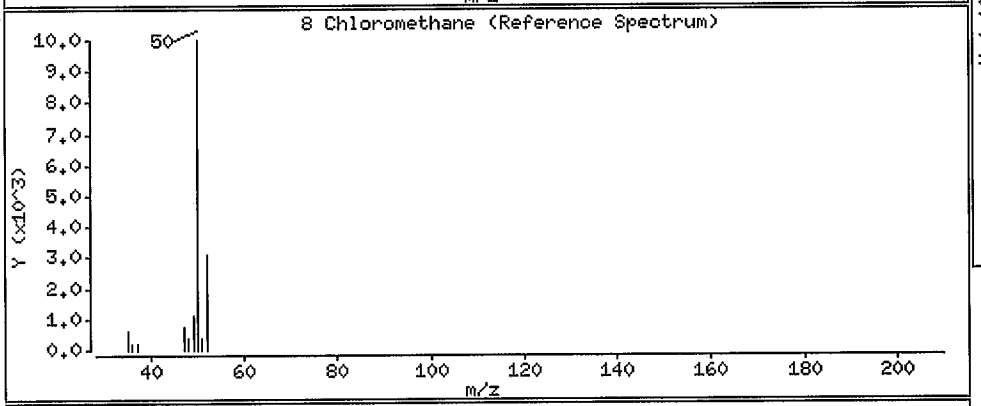
8 Chloromethane Concentration: 0.5225 ppb(v/v)

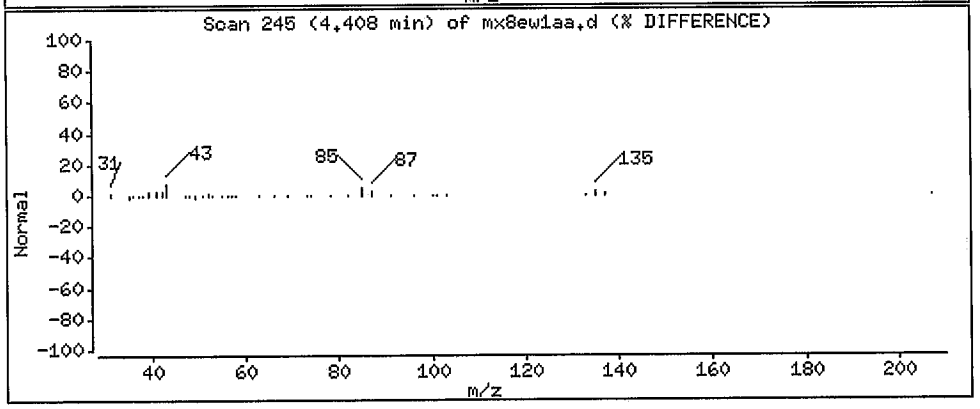












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

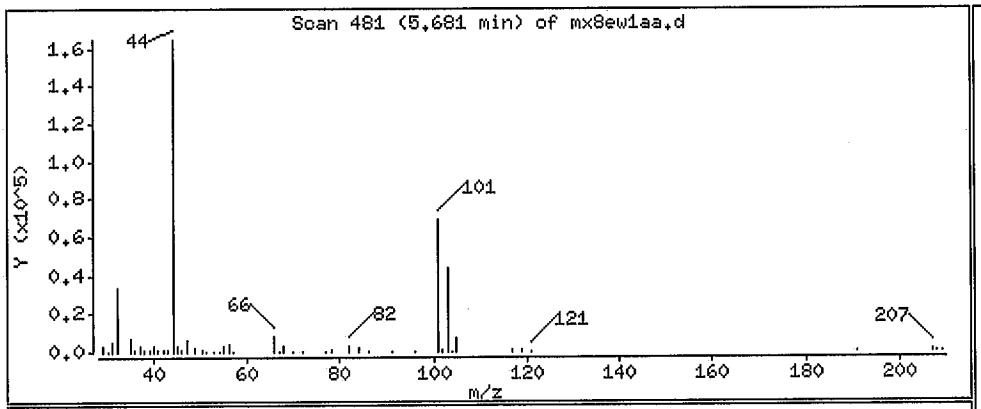
Client ID: 828076-IA-003B4-01 Instrument: mr.i

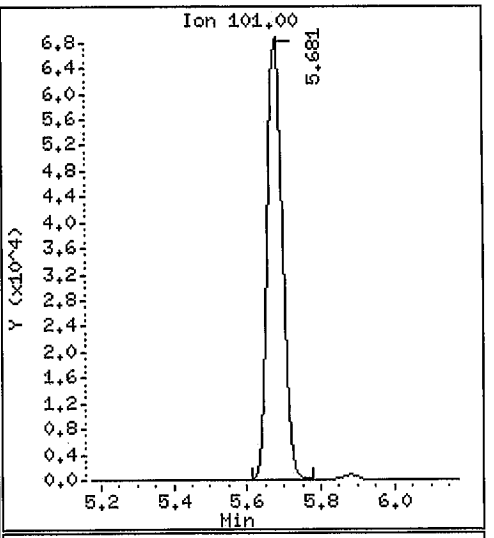
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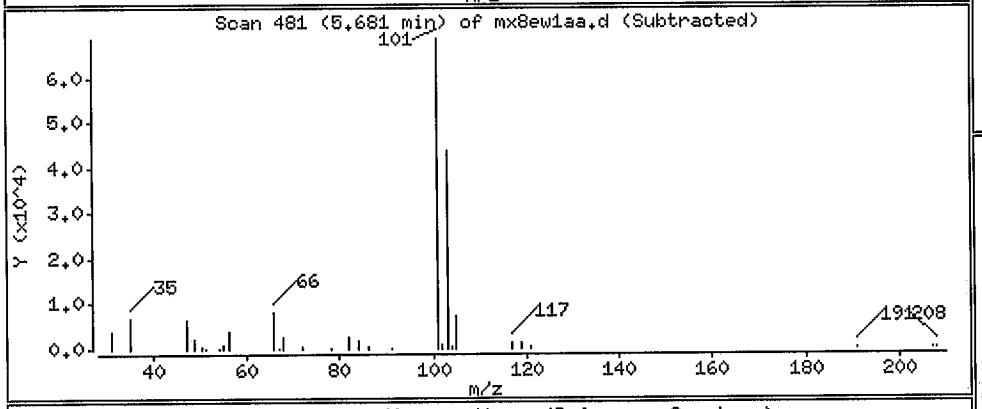
Purge Volume: 500.0 Operator: 403648

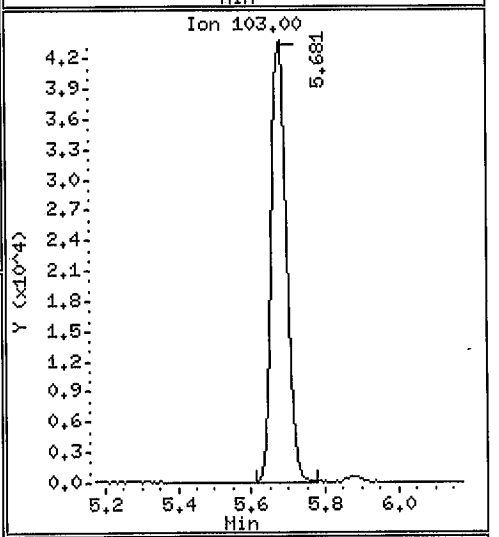
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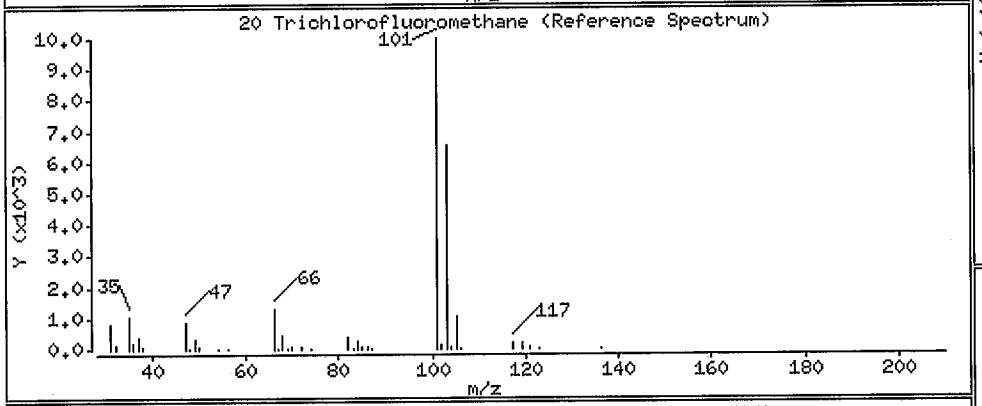
20 Trichlorofluoromethane Concentration: 0.5231 ppb(v/v)

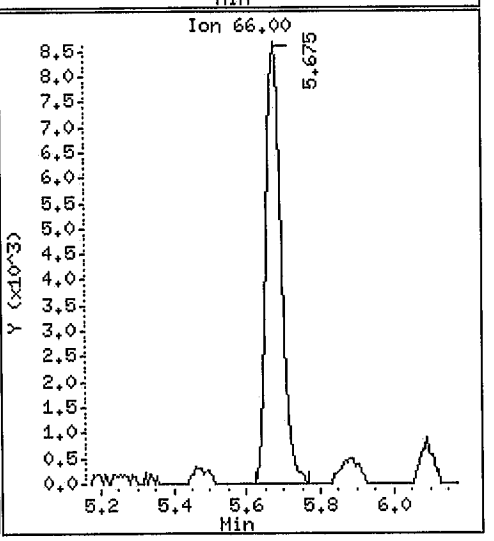


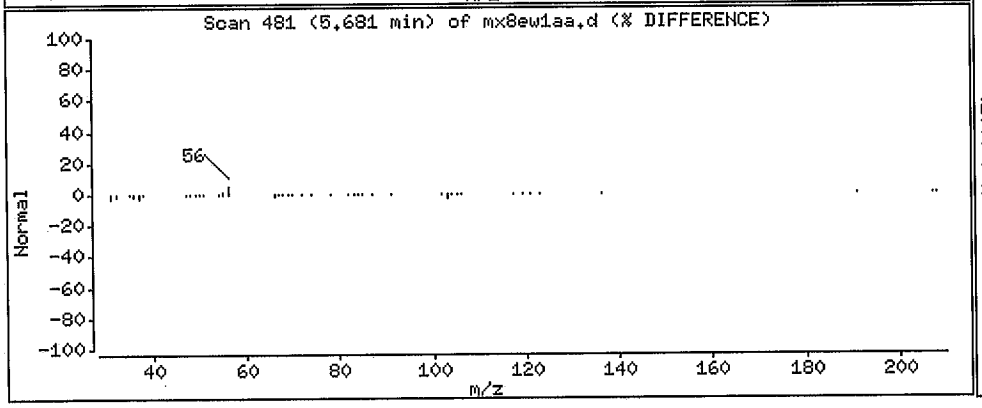












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

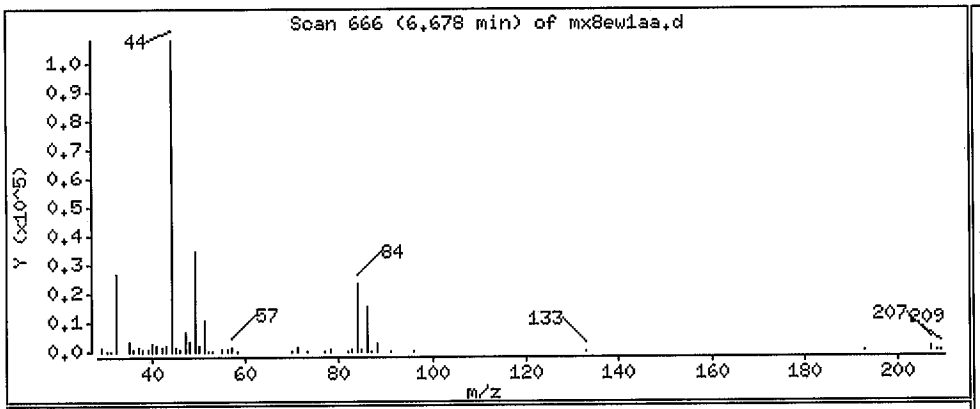
Client ID: 828076-IA-003B4-01 Instrument: mr.i

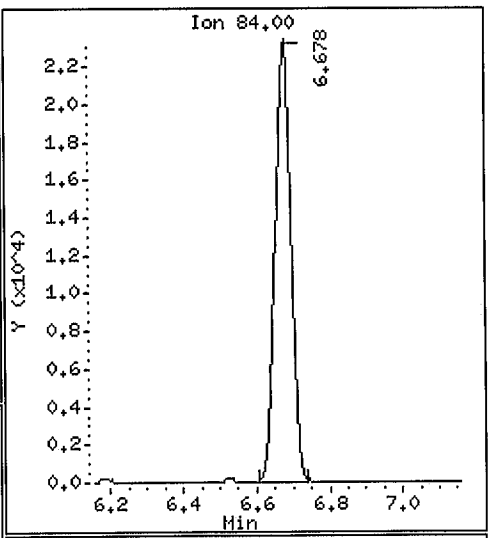
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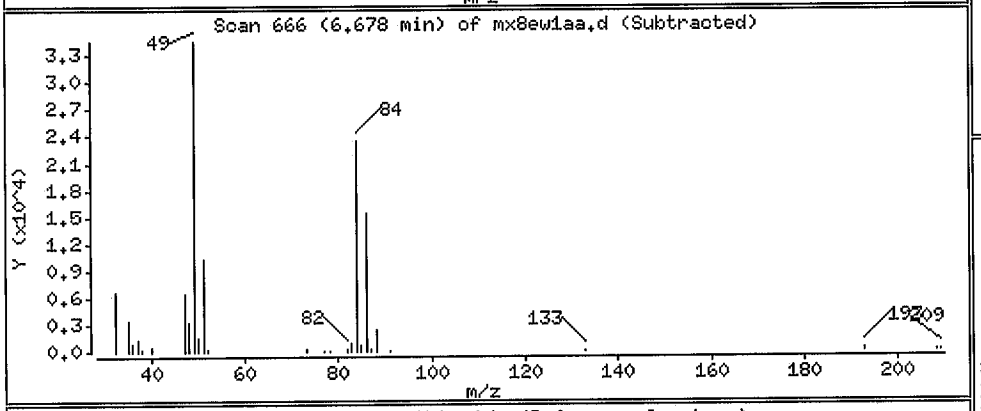
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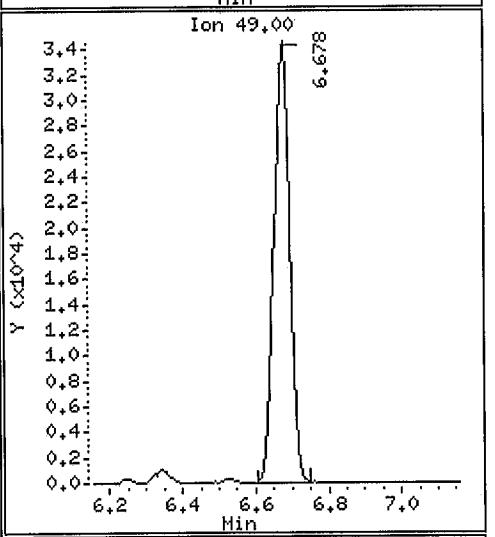
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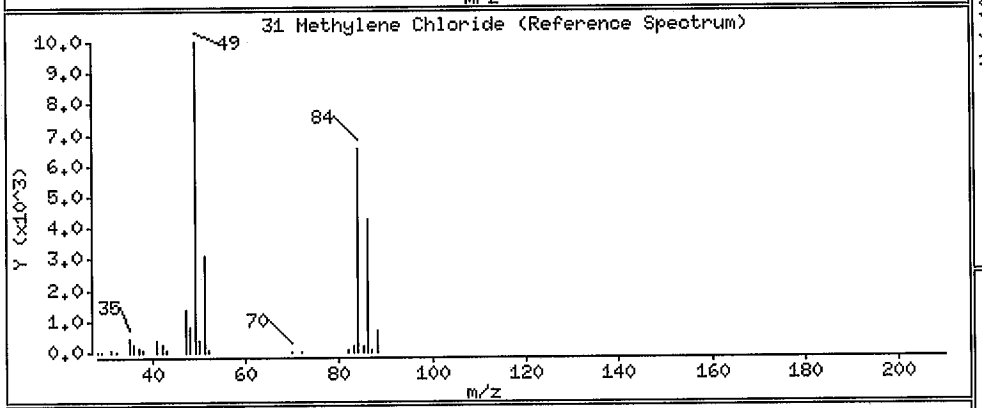
31 Methylene Chloride Concentration: 0.5588 ppb(v/v)

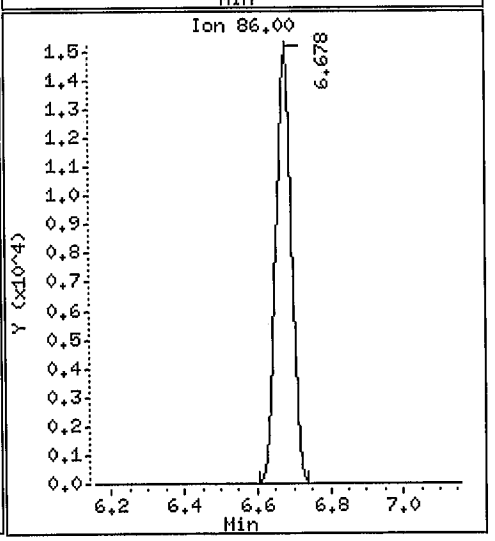


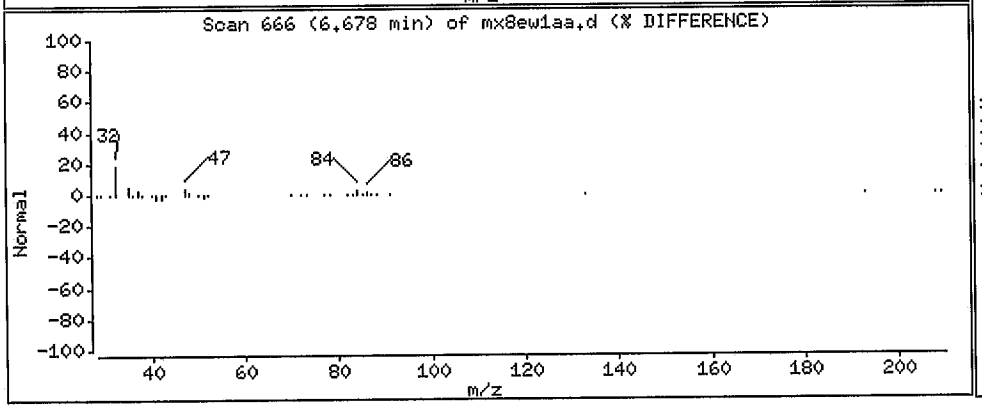












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

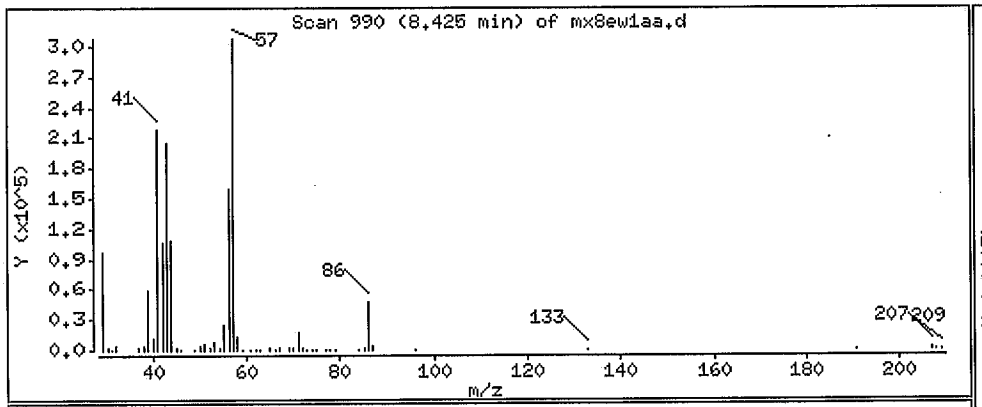
Client ID: 828076-IA-003B4-01 Instrument: mr.i

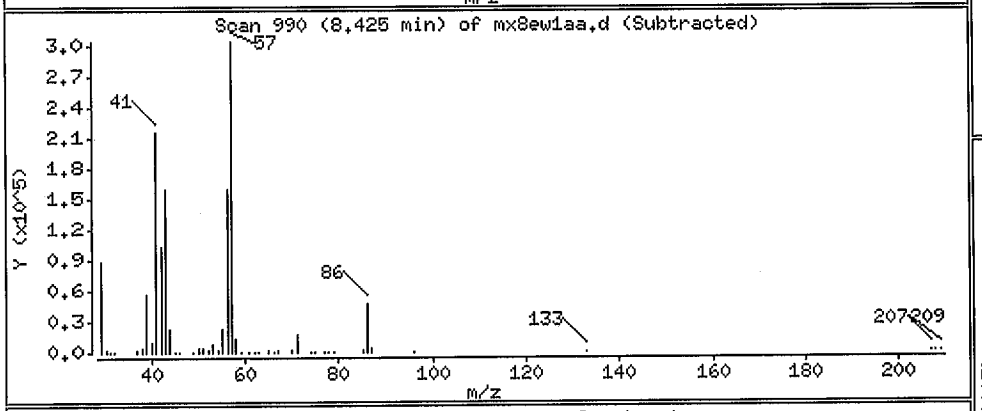
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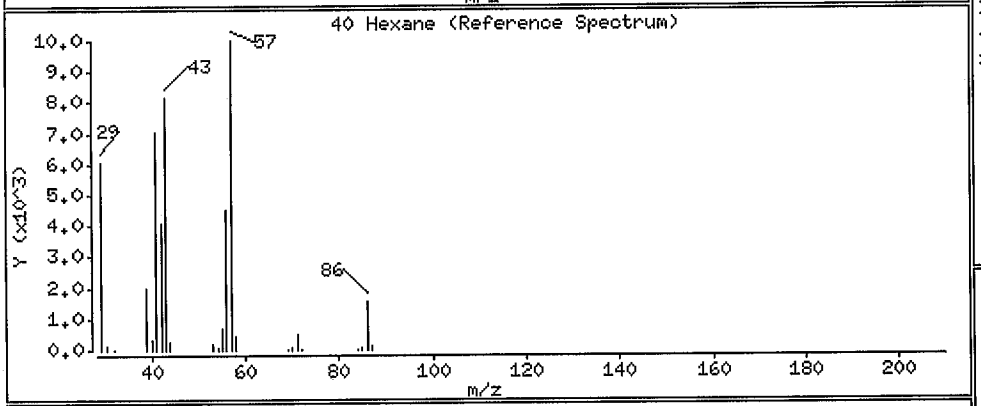
Purge Volume: 500.0 Operator: 403648

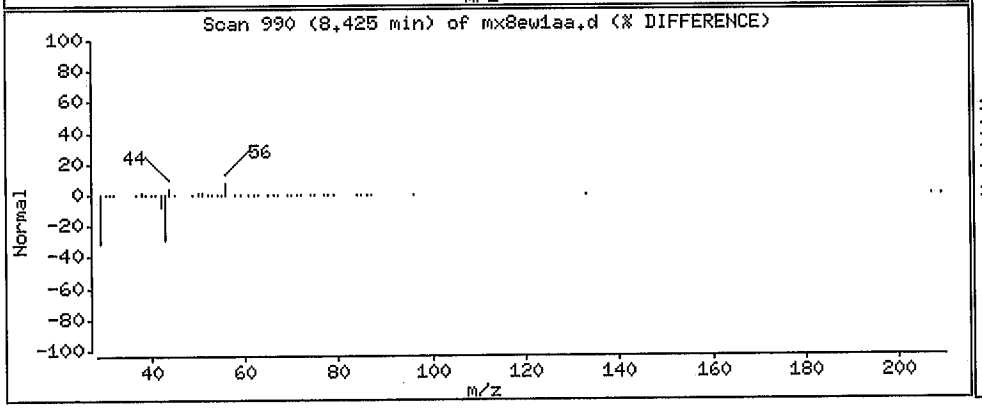
Column phase: Rtx-5 Column diameter: 0.32

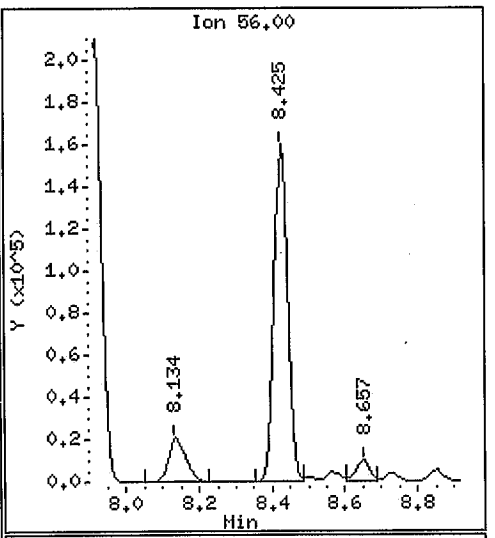
40 Hexane Concentration: 3.336 ppb(v/v)

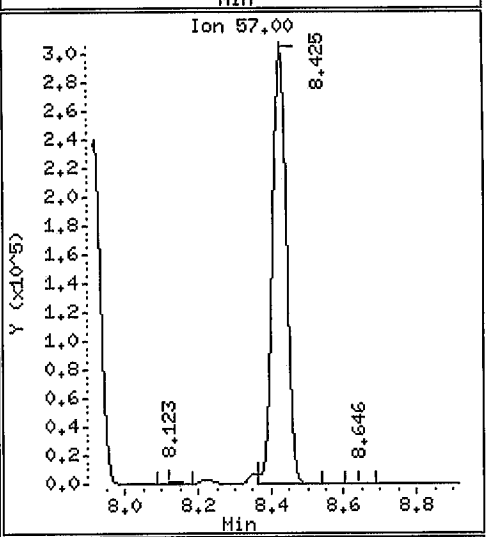


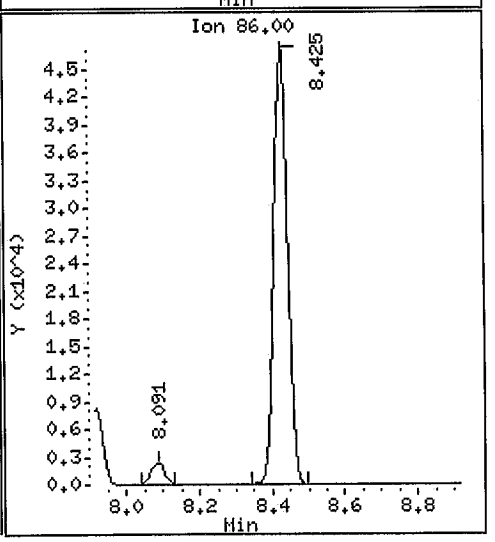












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

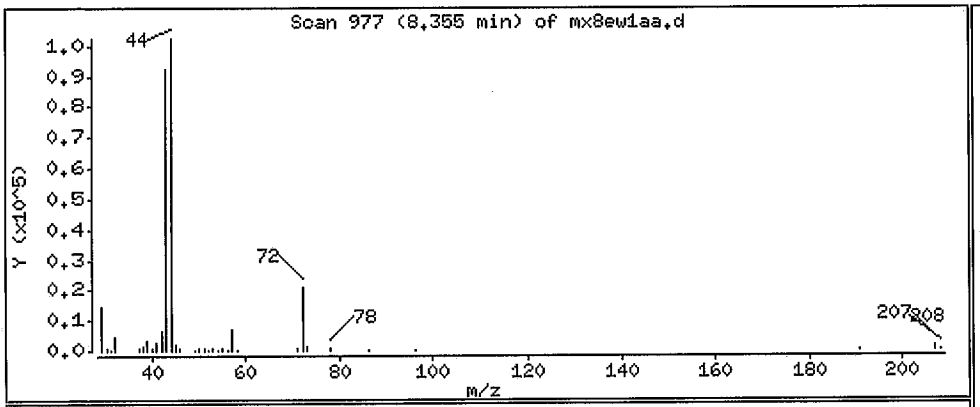
Client ID: 828076-IA-003B4-01 Instrument: mr.i

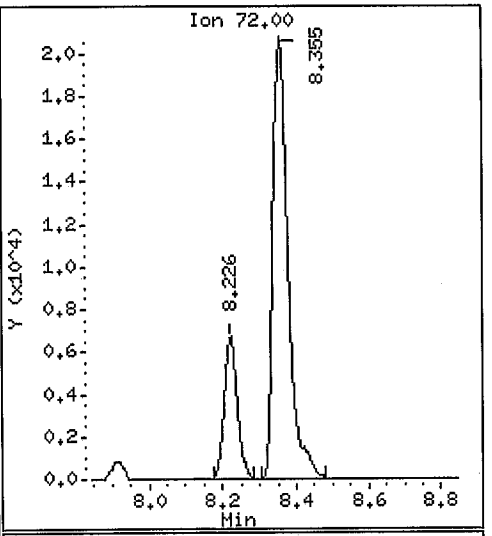
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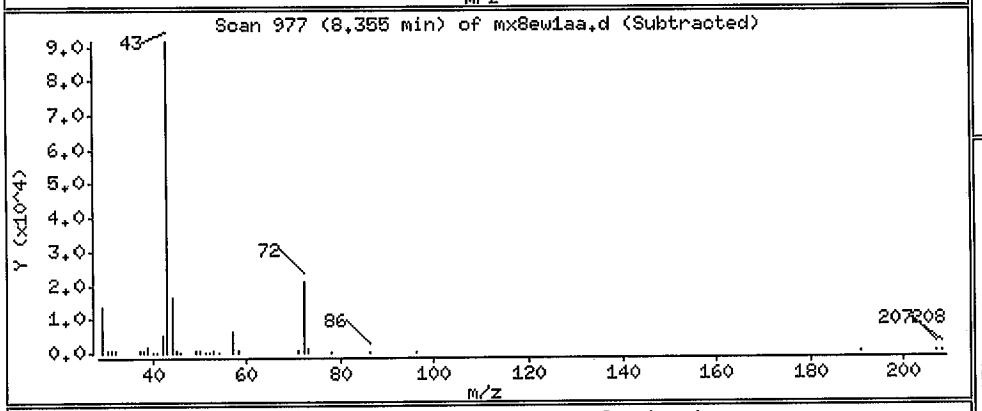
Purge Volume: 500.0 Operator: 403648

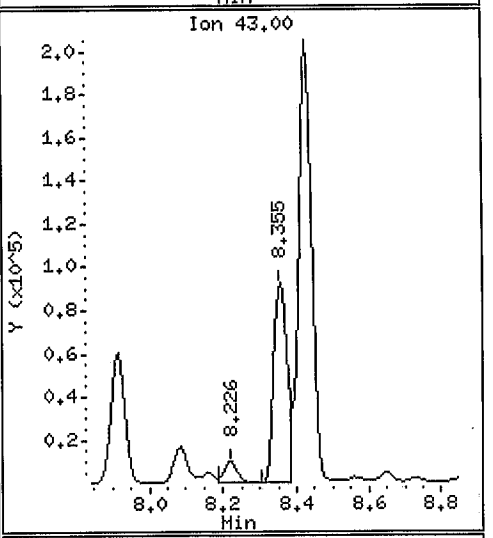
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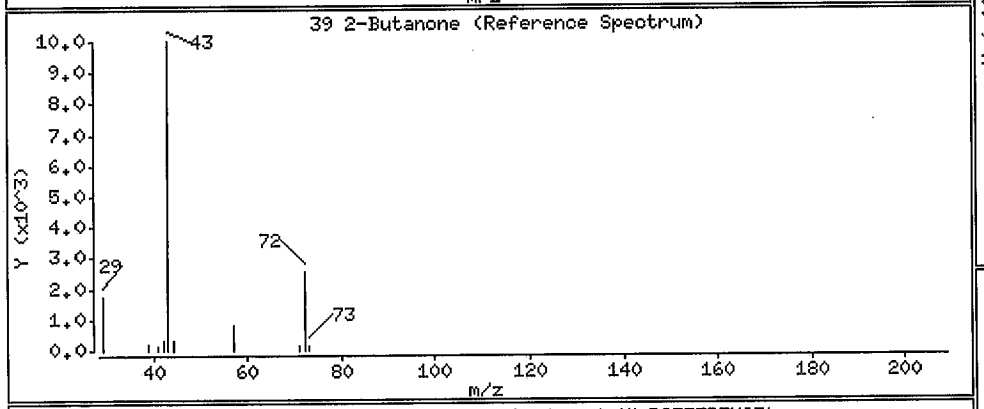
39 2-Butanone Concentration: 0.8101 ppb(v/v)

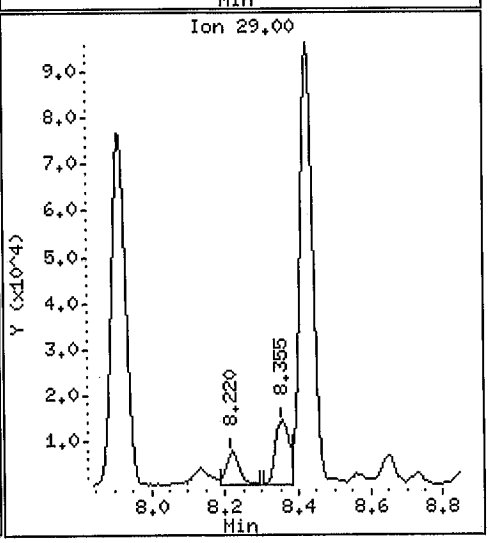


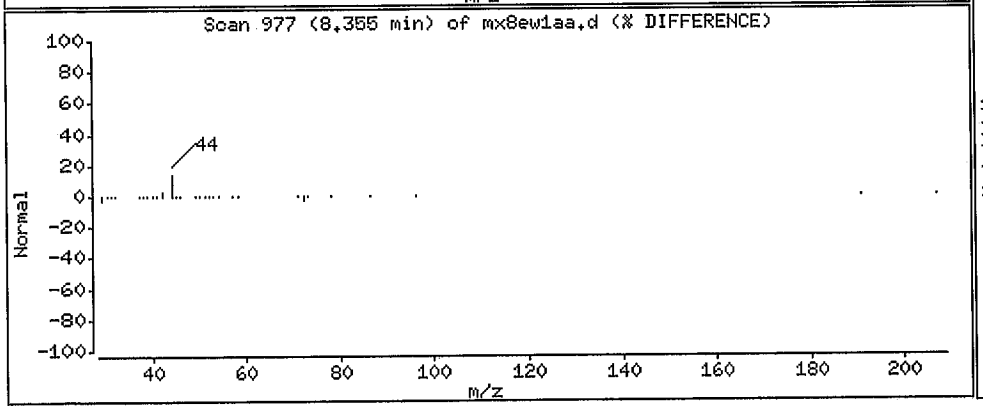












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

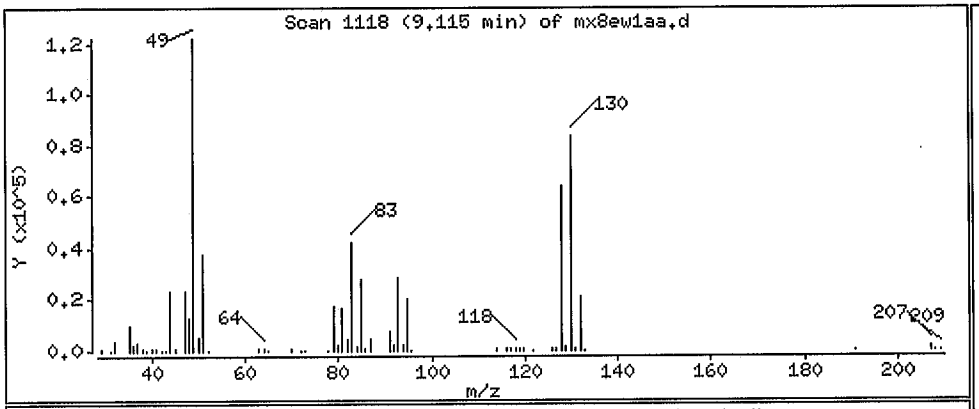
Client ID: 828076-IA-003B4-01 Instrument: mr.i

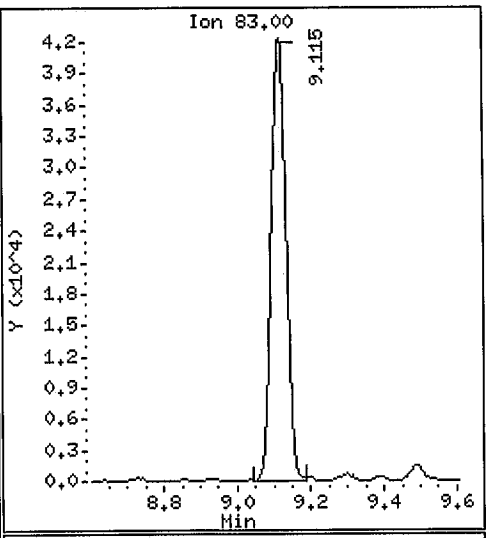
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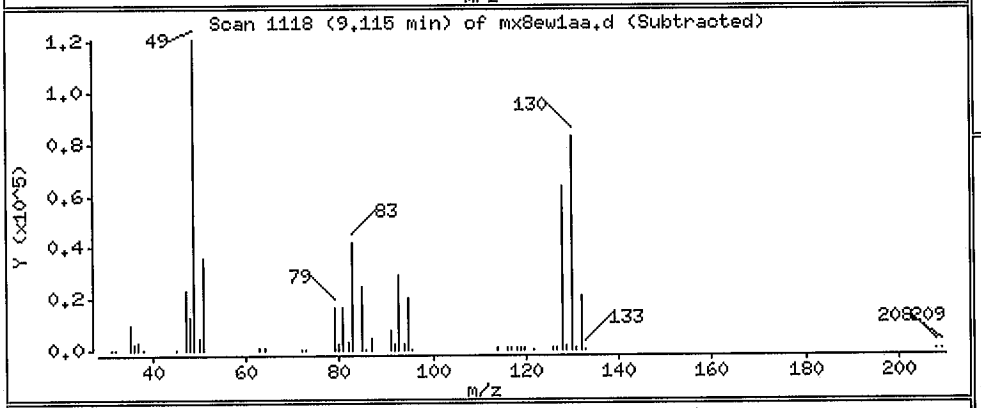
Purge Volume: 500.0 Operator: 403648

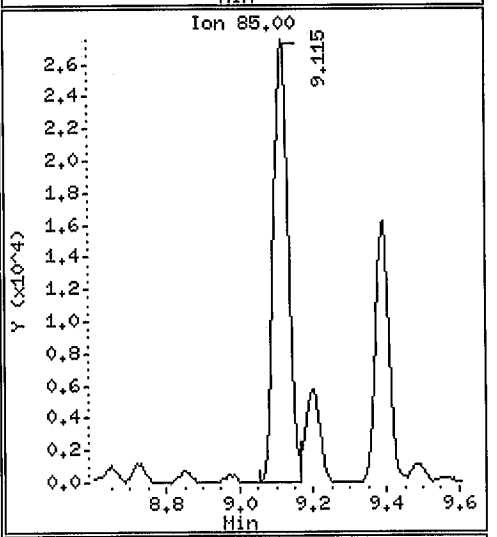
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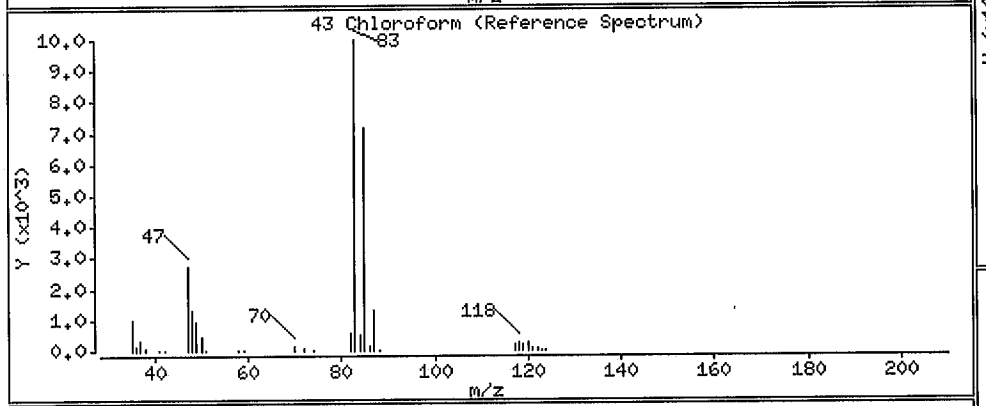
43 Chloroform Concentration: 0.4079 ppb(v/v)

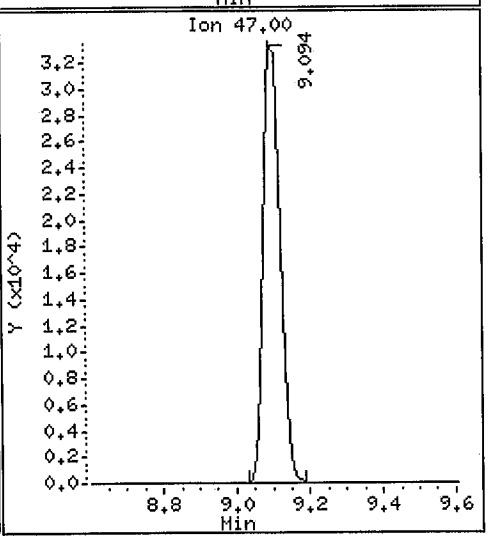


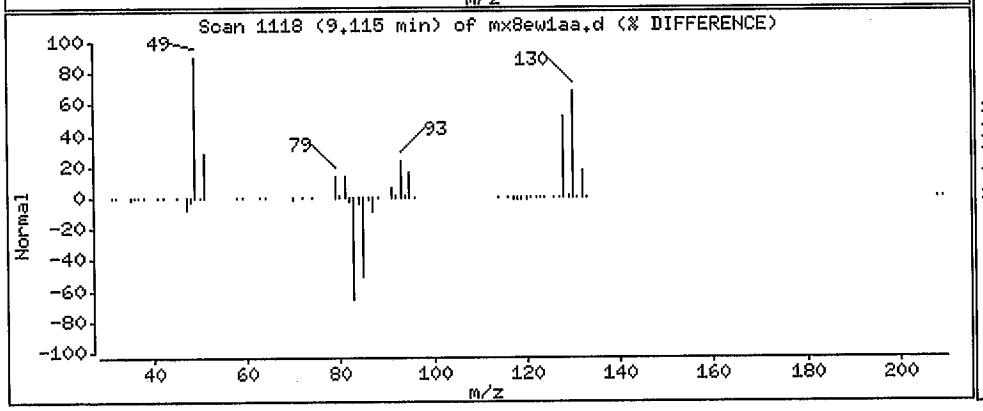












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

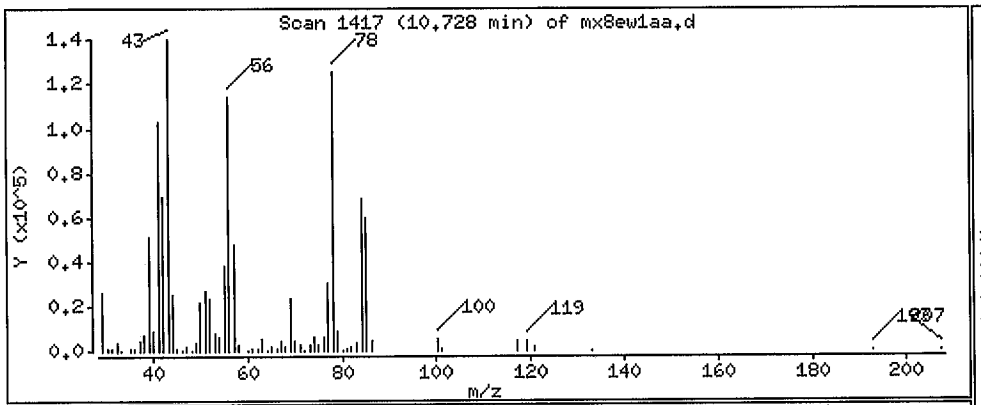
Client ID: 828076-IA-003B4-01 Instrument: mr.i

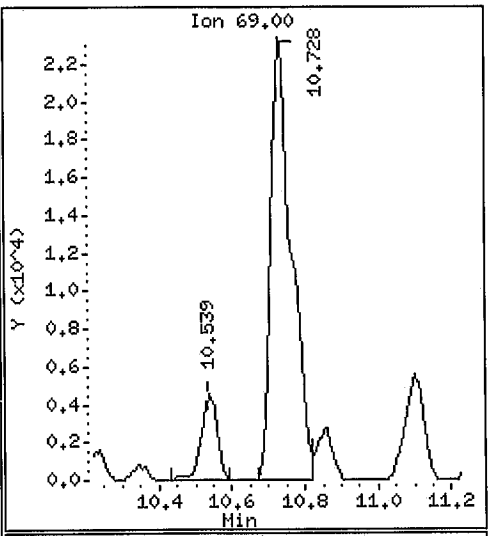
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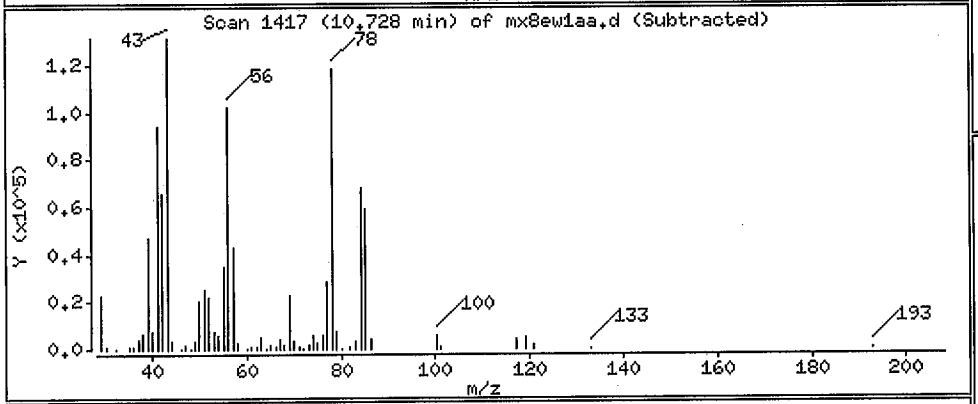
Purge Volume: 500.0 Operator: 403648

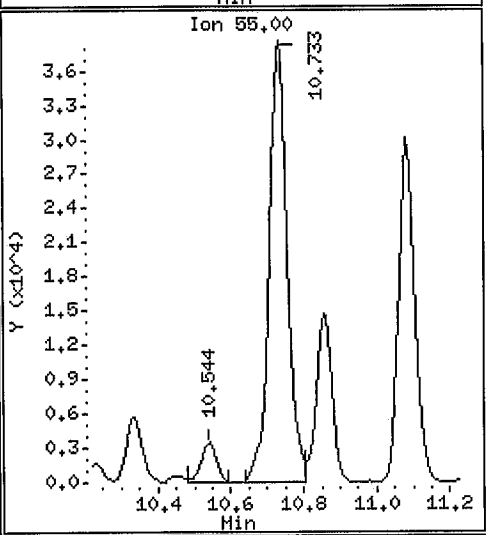
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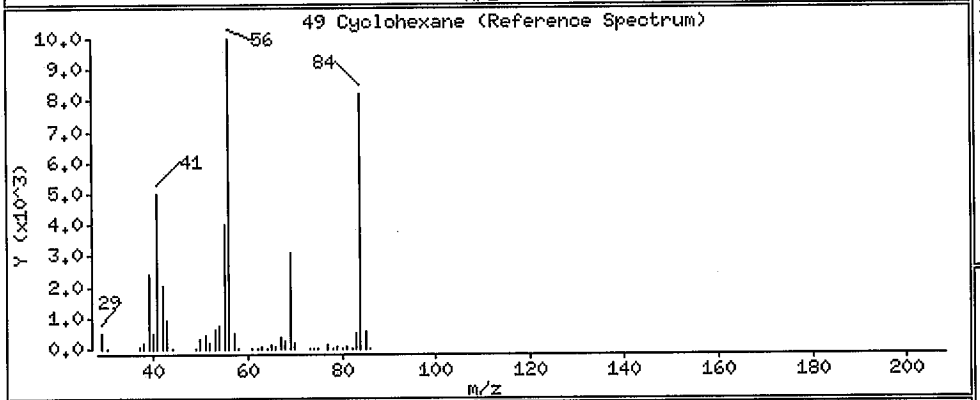
49 Cyclohexane Concentration: 1.320 ppb(v/v)

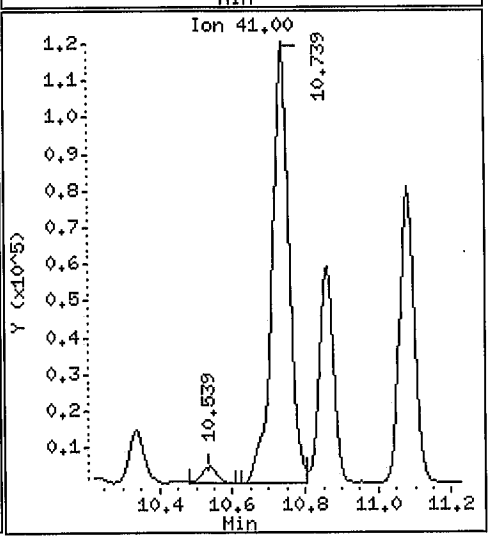


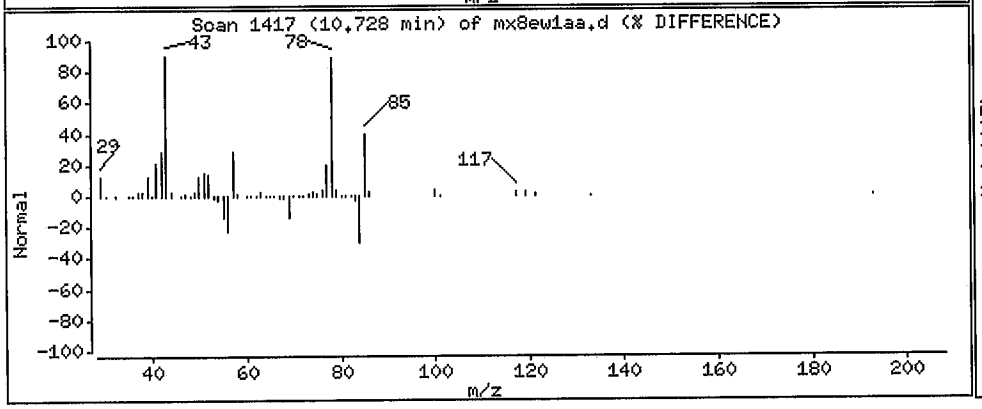












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

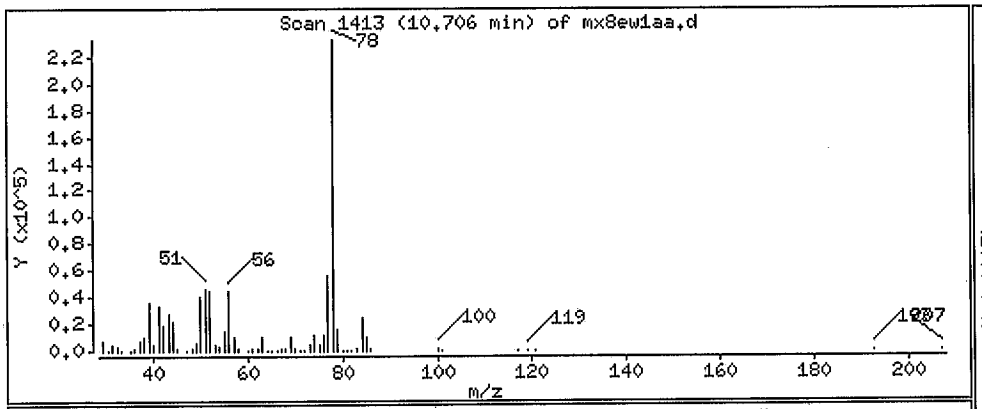
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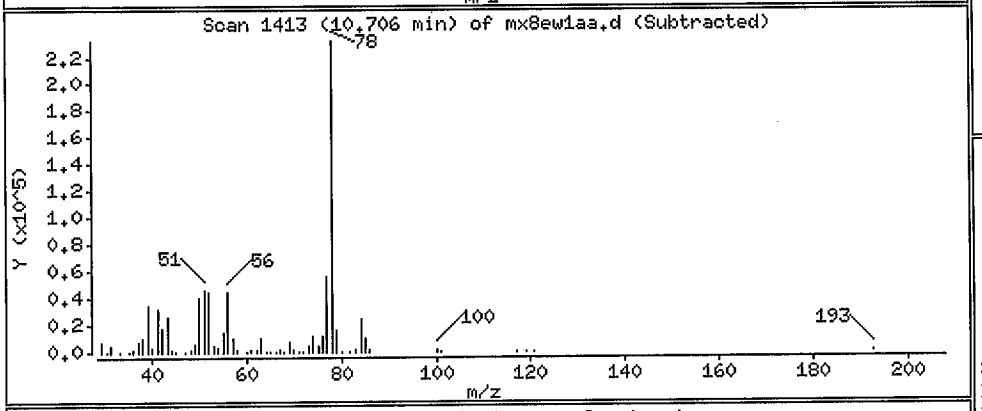
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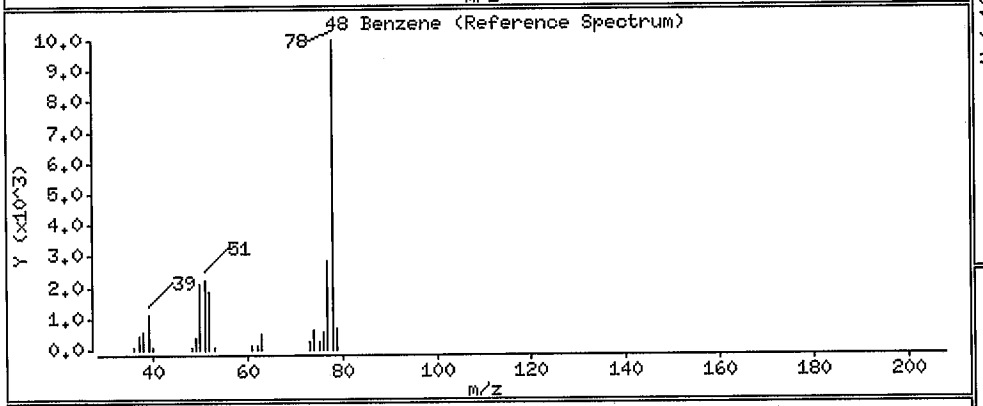
Purge Volume: 500.0 Operator: 403648

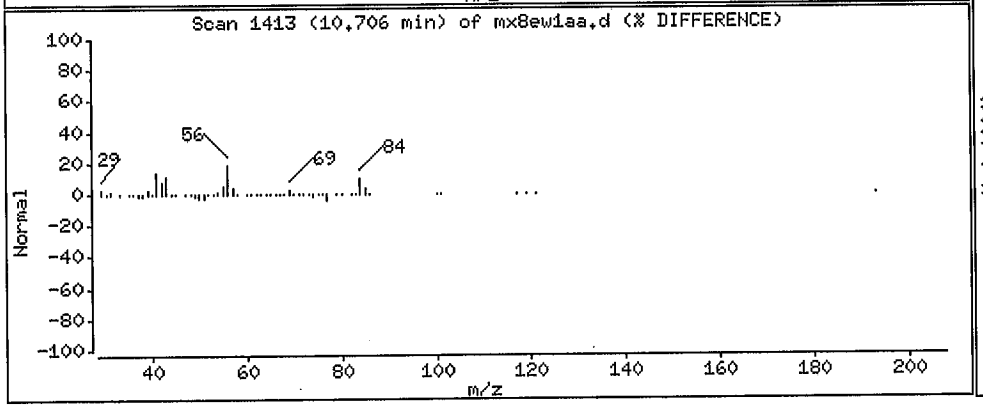
Column phase: Rtx-5 Column diameter: 0.32

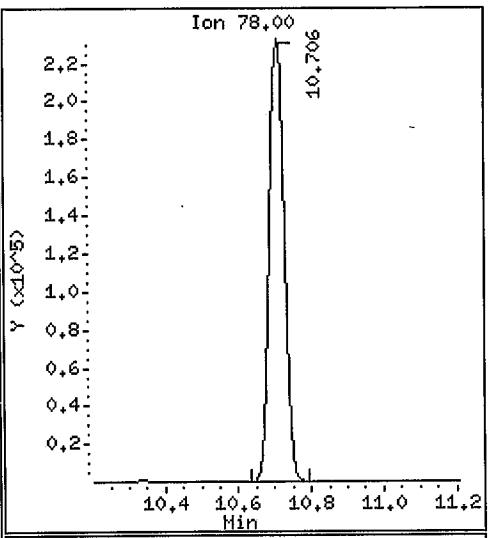
48 Benzene Concentration: 1.400 ppb(v/v)

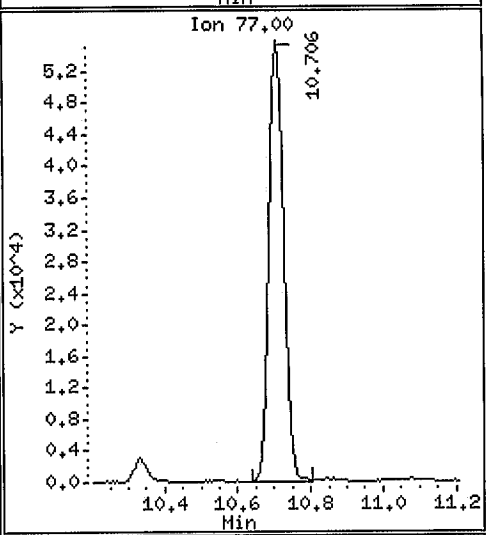


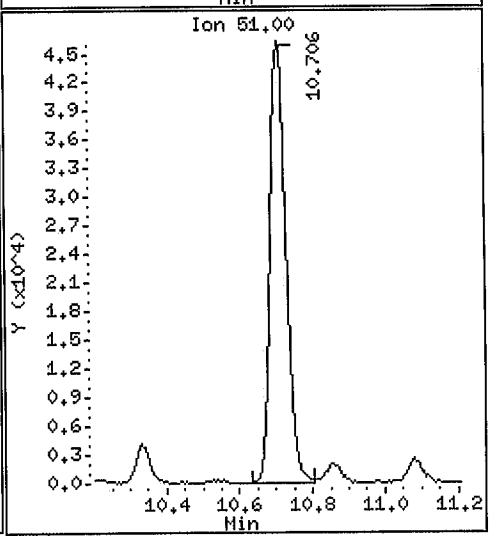












Data File: /var/chem/goms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

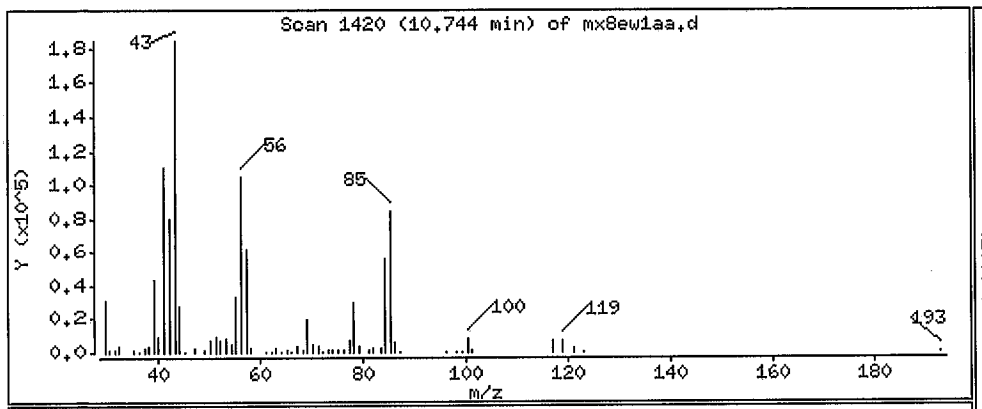
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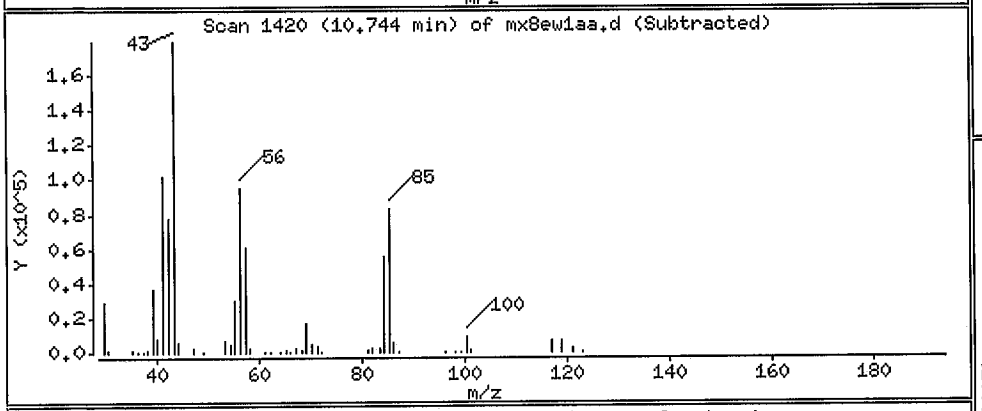
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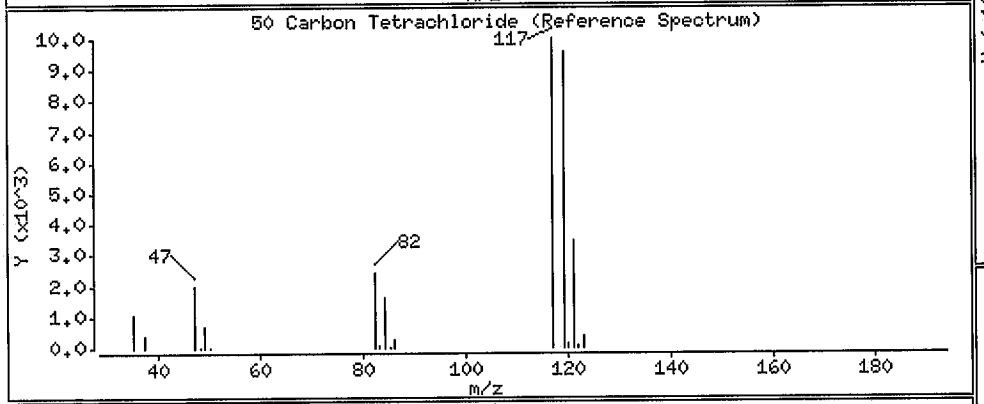
Purge Volume: 500.0 Operator: 403648

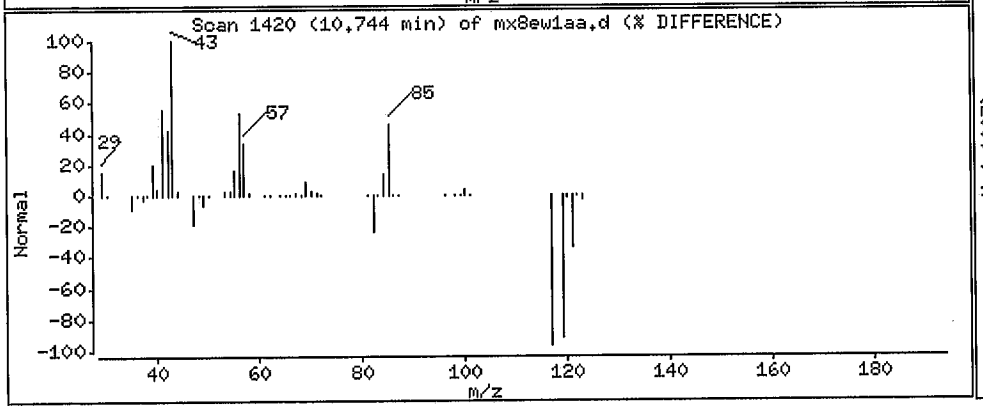
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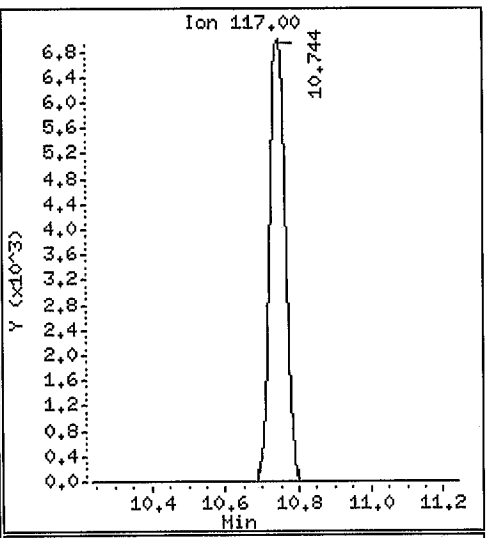
50 Carbon Tetrachloride Concentration: 0.08492 ppb(v/v)

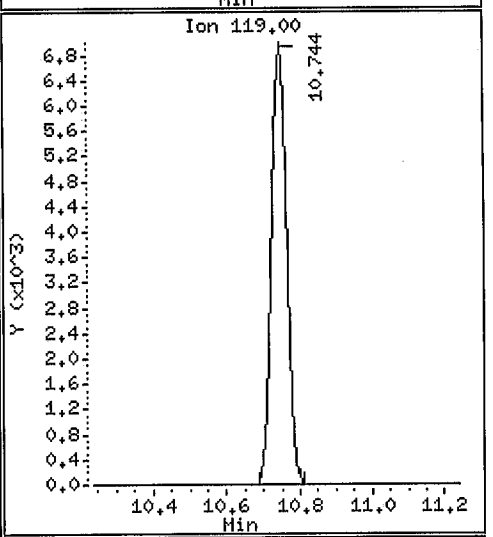


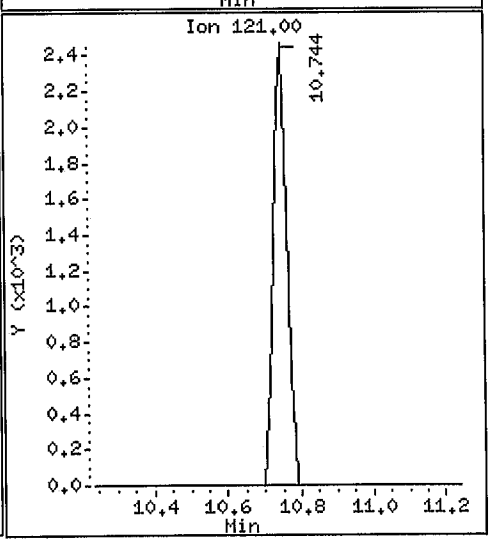












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

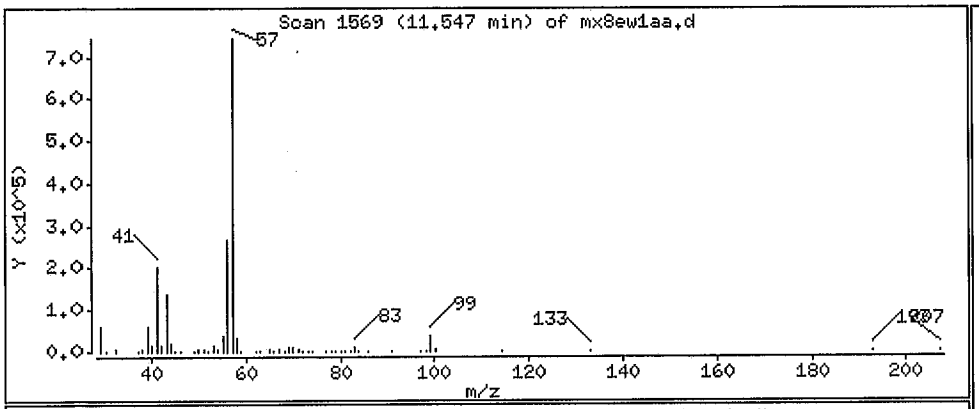
Client ID: 828076-IA-003B4-01 Instrument: mr.i

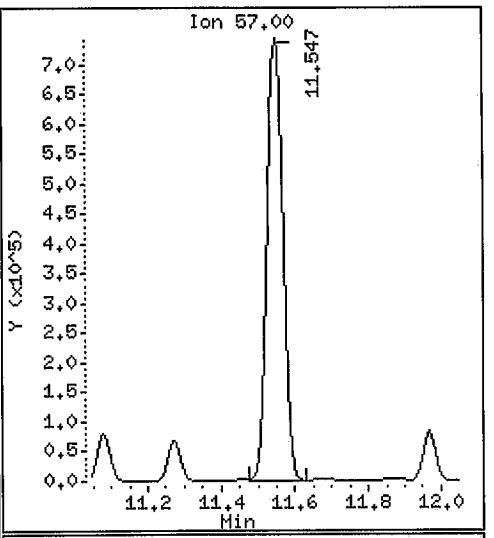
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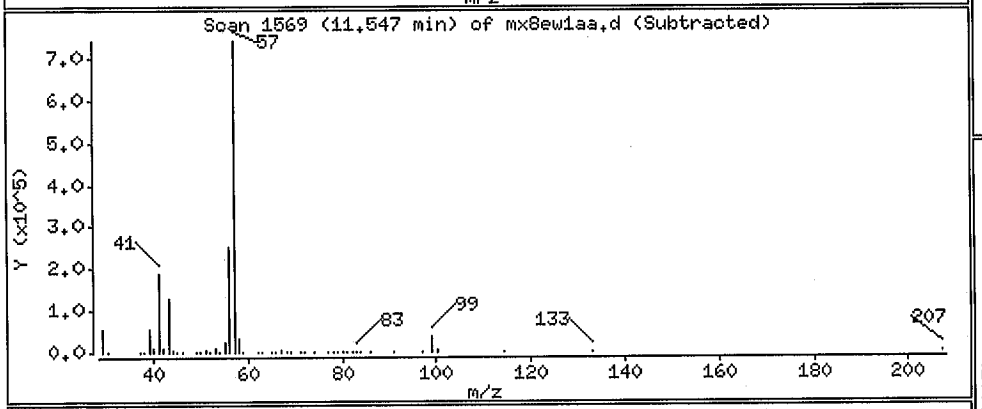
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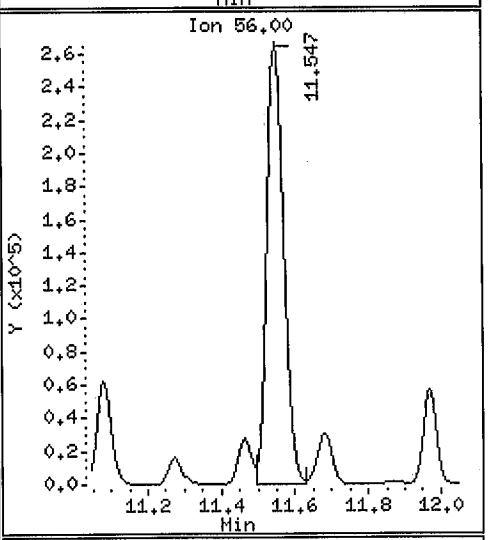
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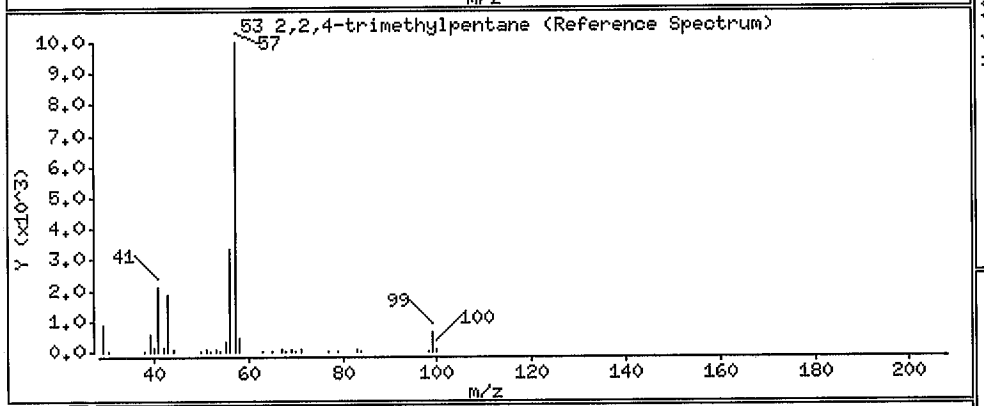
53 2,2,4-trimethylpentane Concentration: 2.882 ppb(v/v)

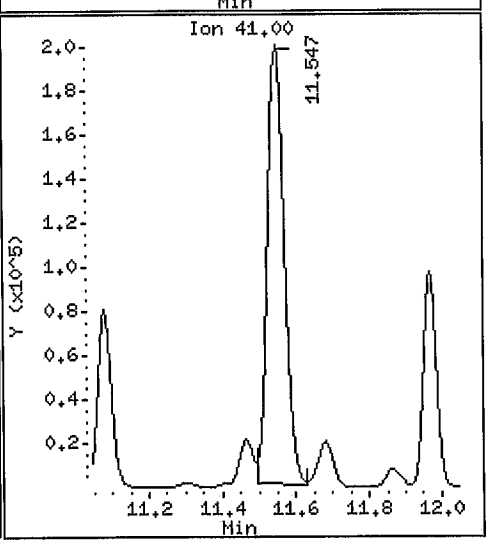


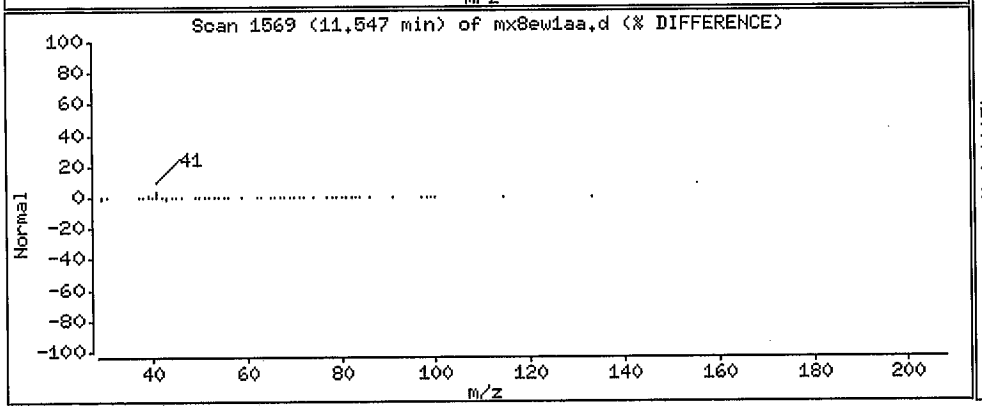












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

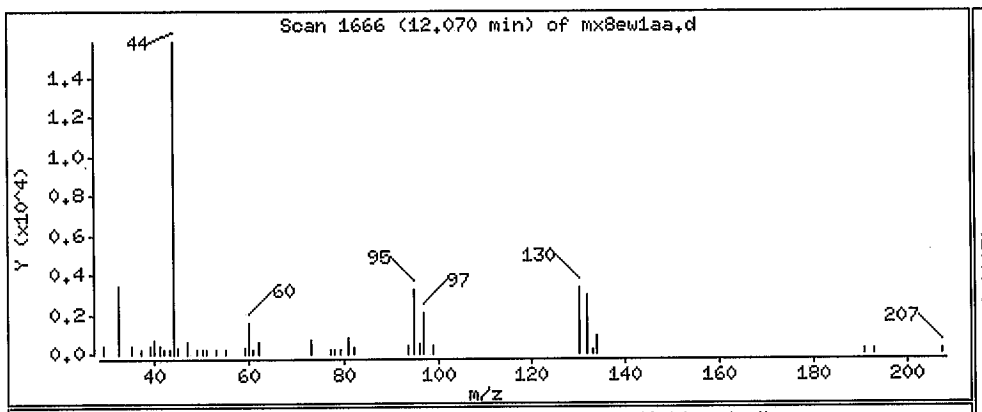
Client ID: 828076-IA-003B4-01 Instrument: mr.i

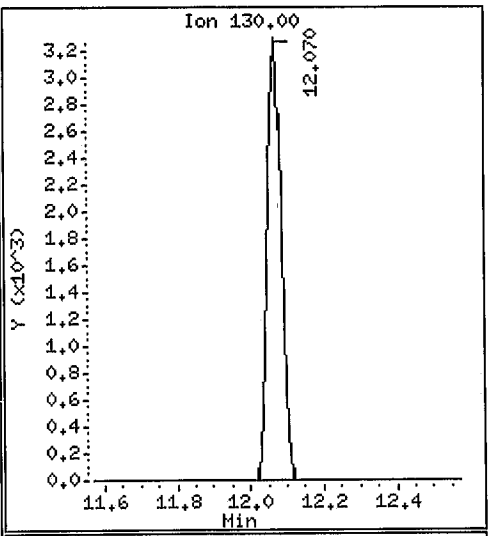
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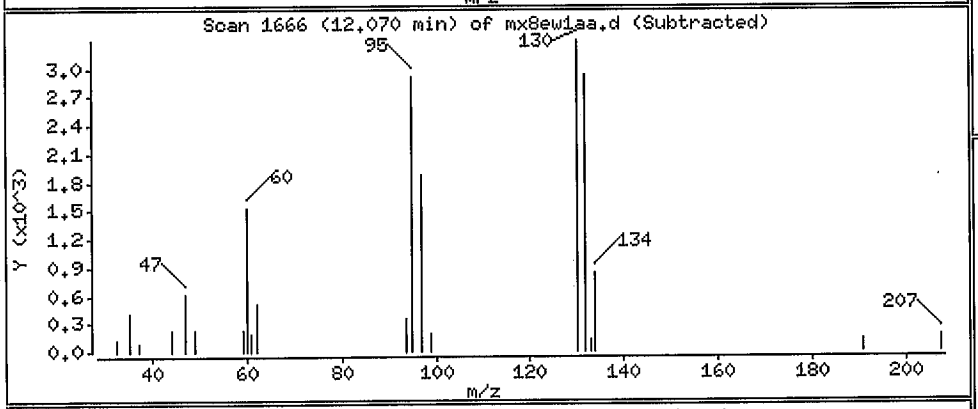
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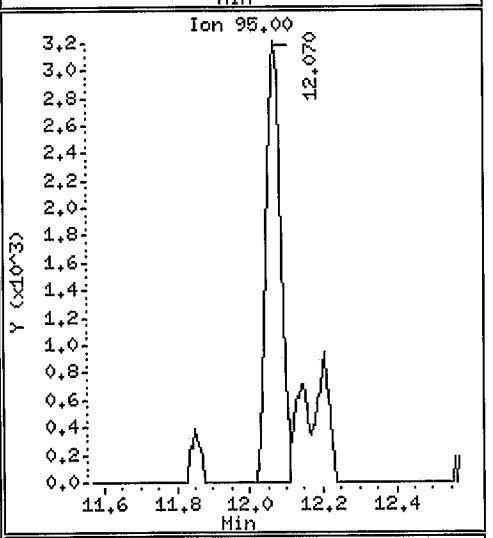
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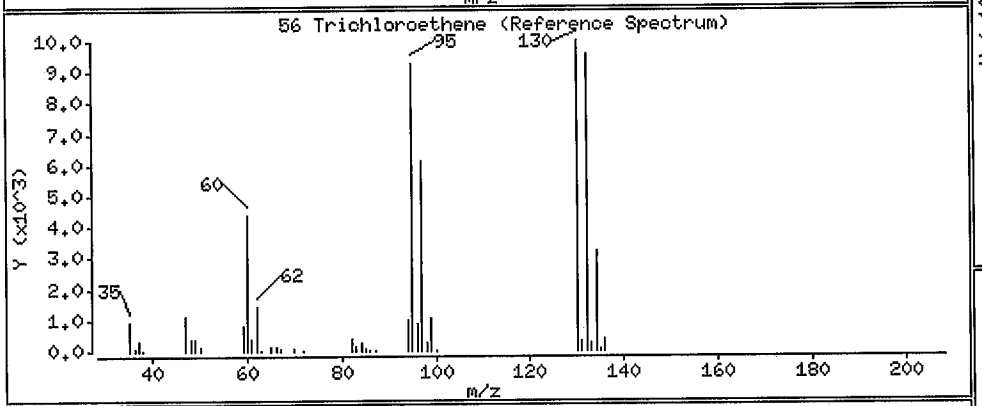
56 Trichloroethene Concentration: 0.04075 ppb(v/v)

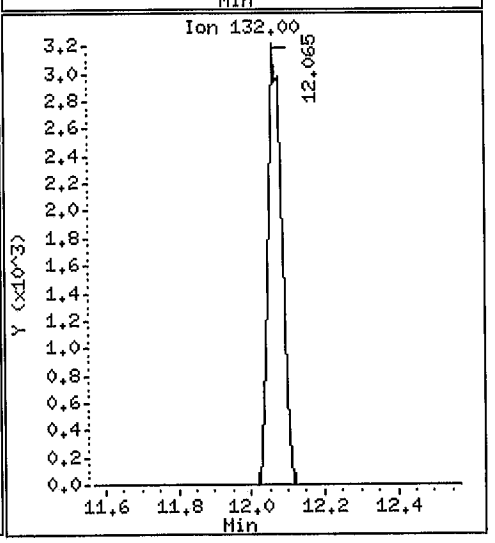


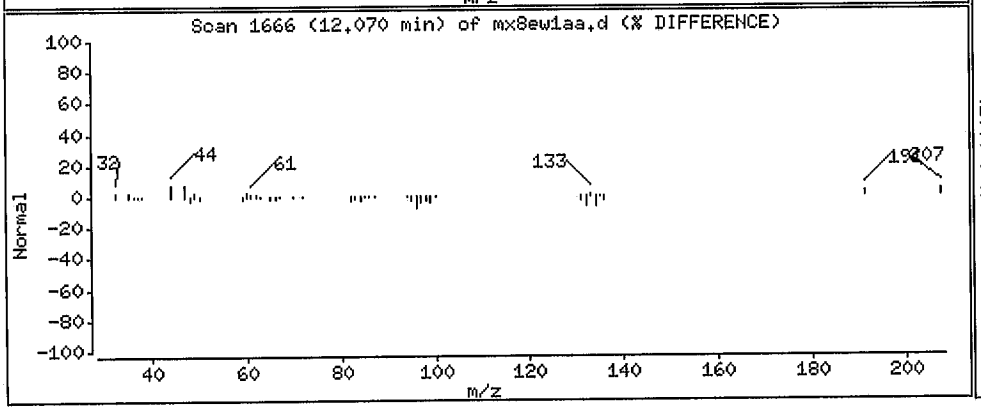












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

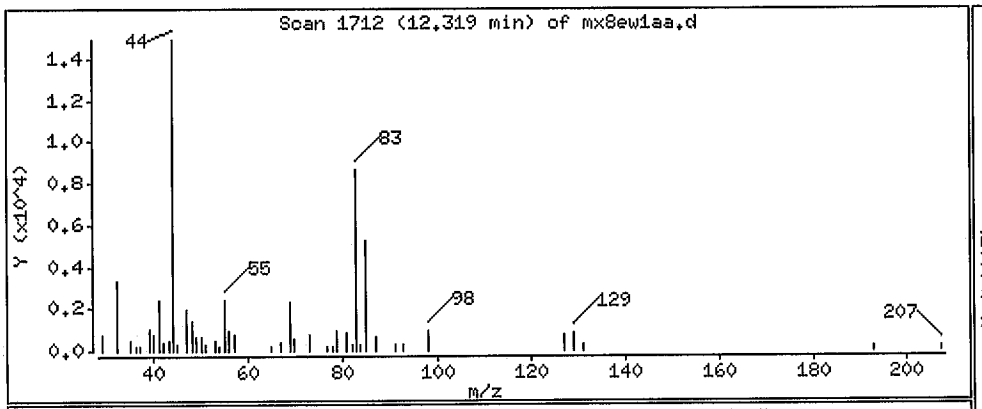
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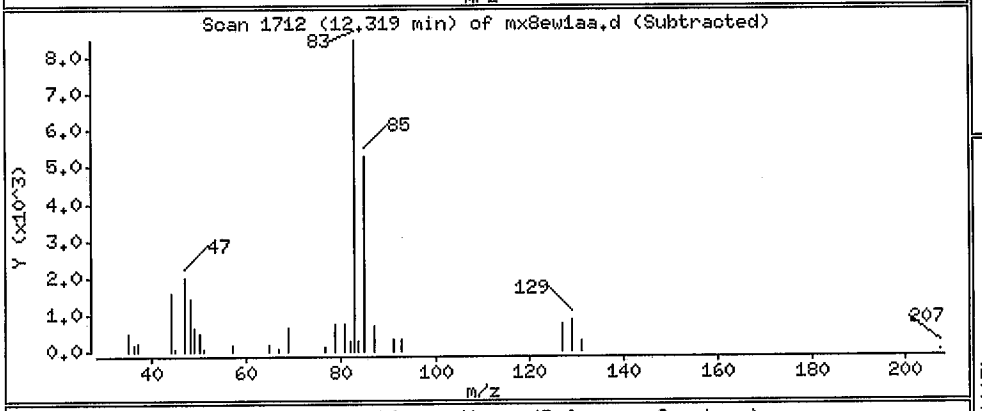
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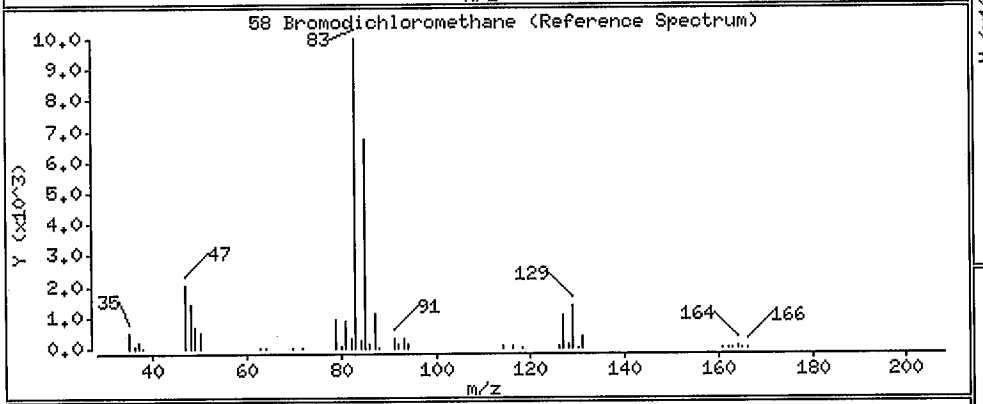
Purge Volume: 500.0 Operator: 403648

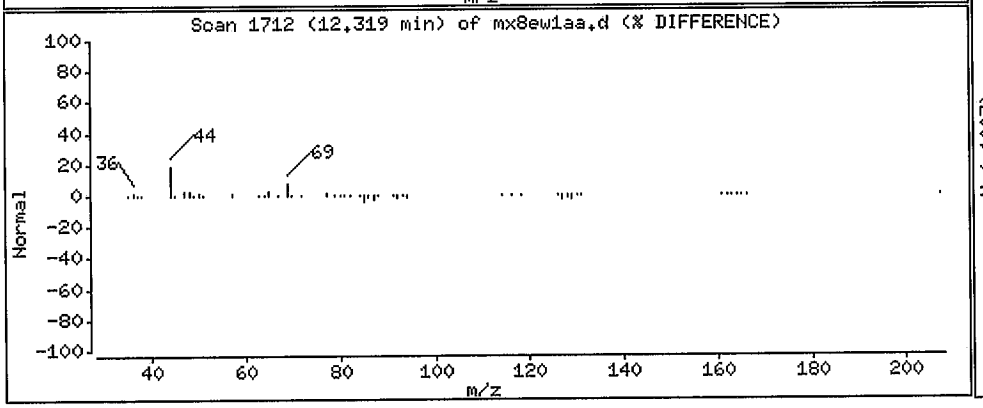
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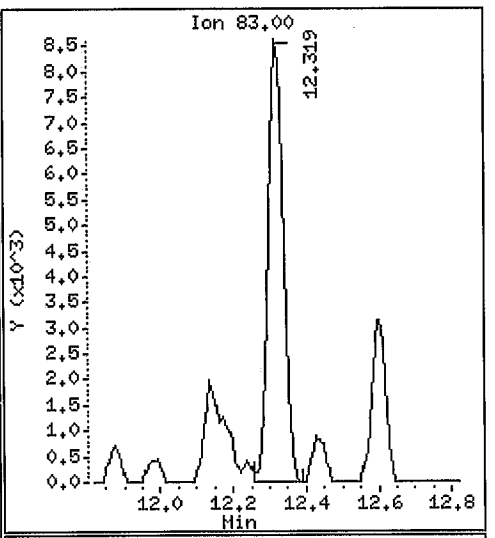
58 Bromodichloromethane Concentration: 0.08145 ppb(v/v)

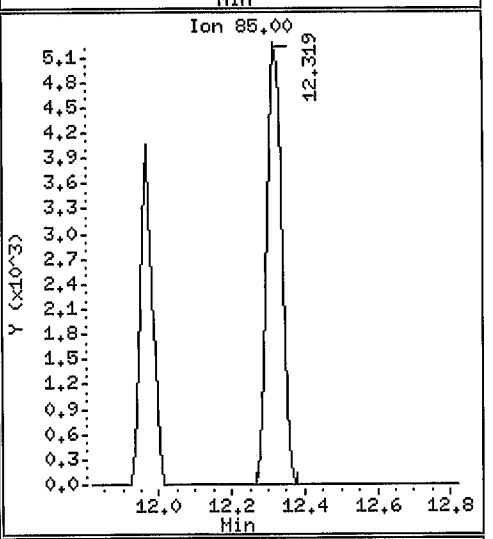


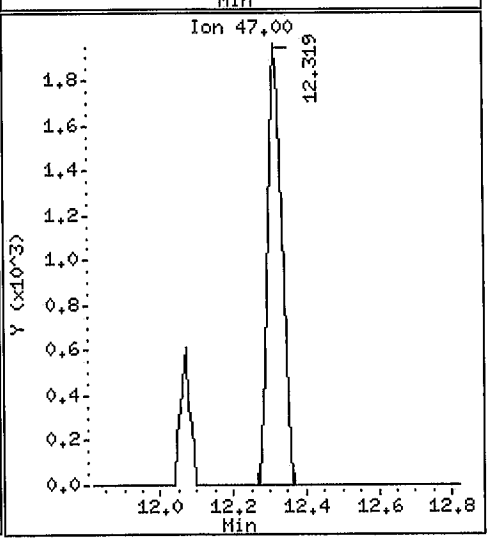












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

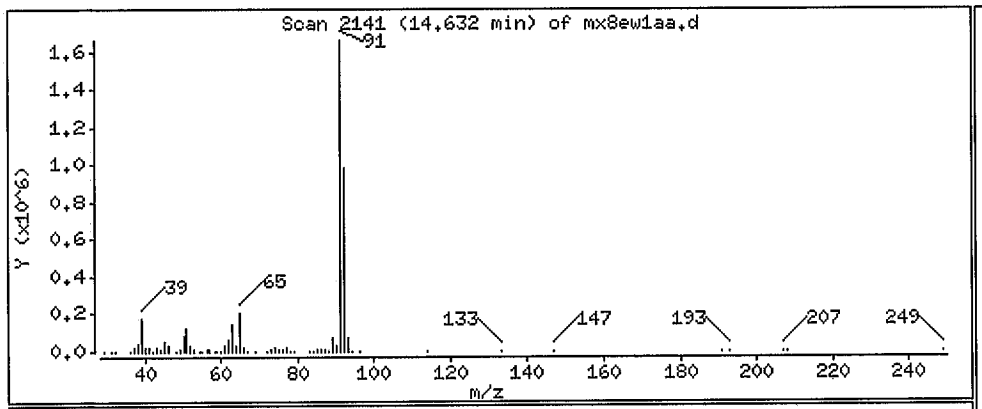
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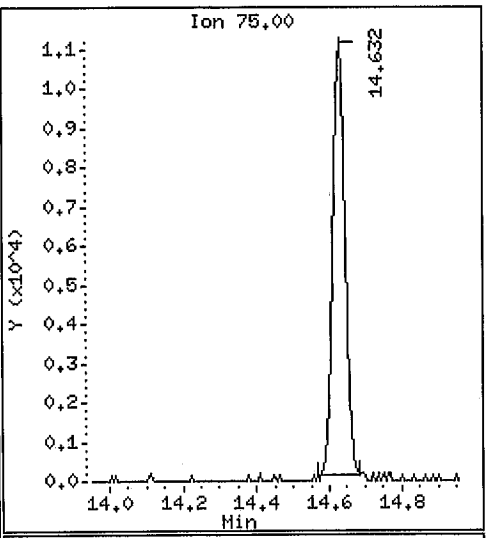
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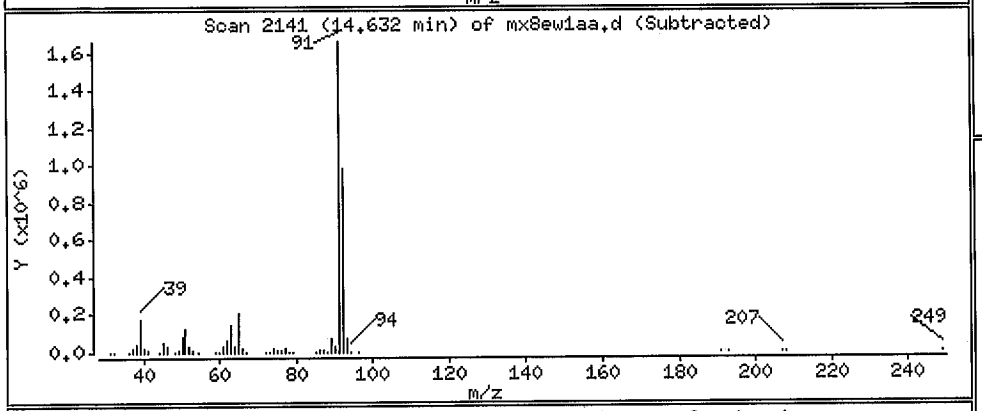
Purge Volume: 500.0 Operator: 403648

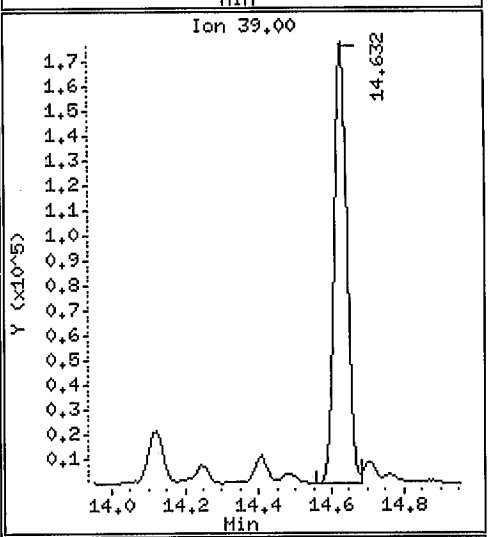
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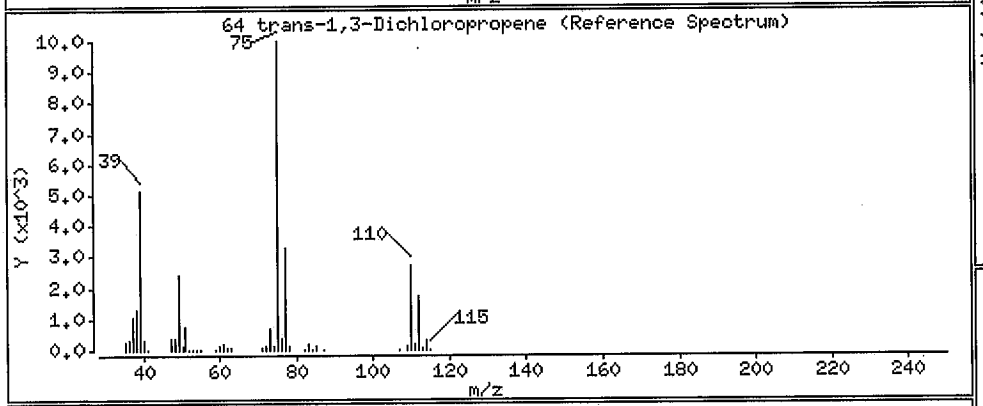
64 trans-1,3-Dichloropropene Concentration: 0.1111 ppb(v/v)

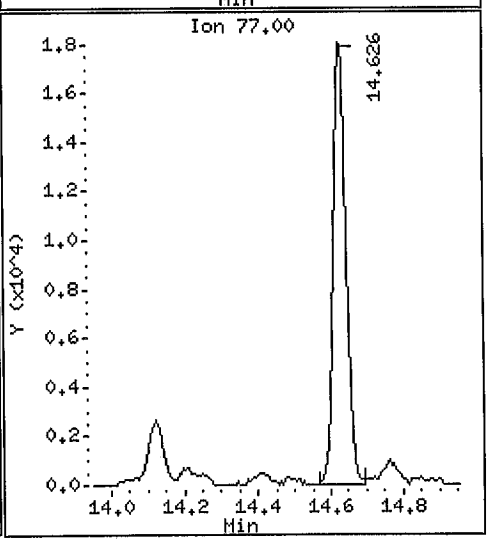


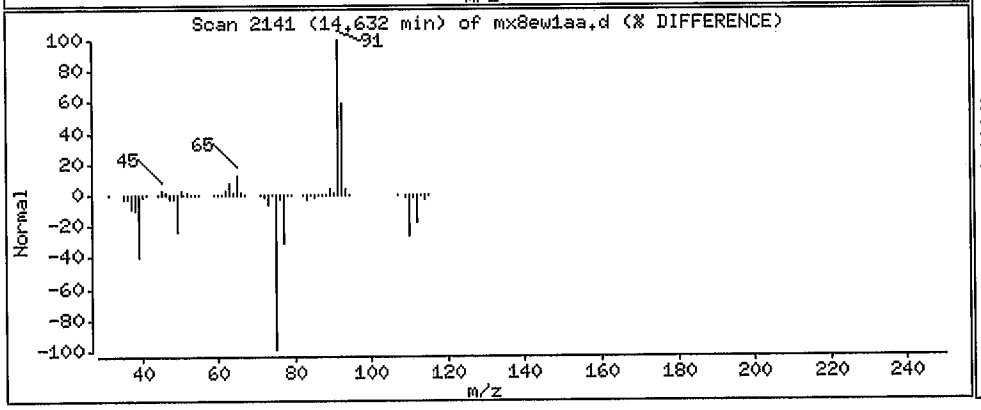












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

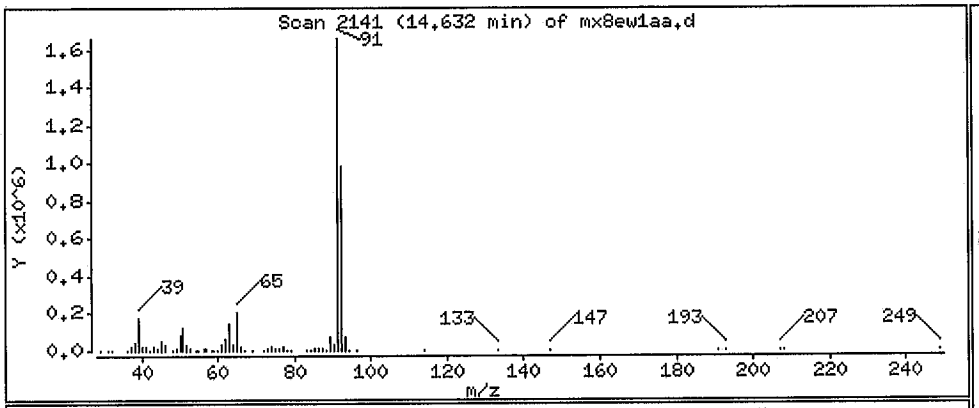
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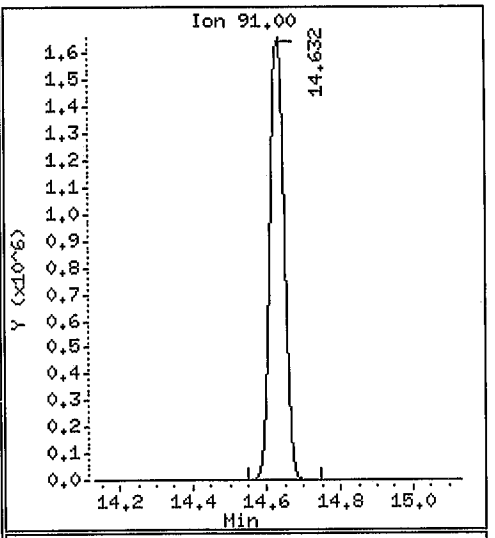
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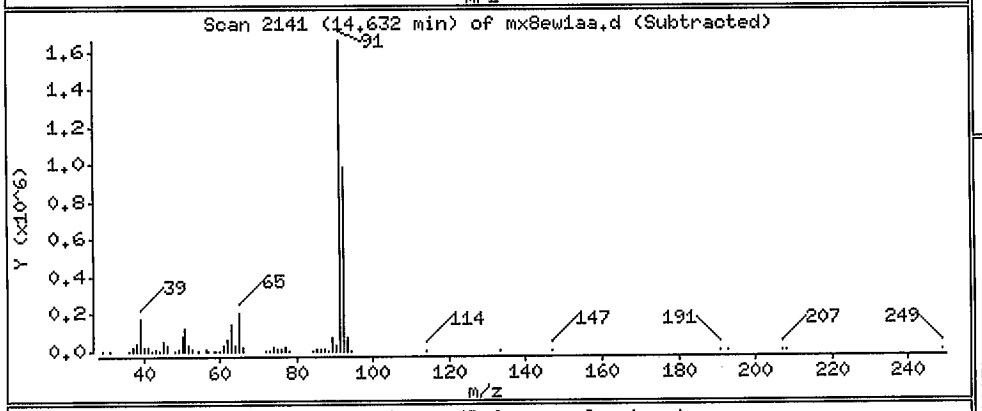
Purge Volume: 500.0 Operator: 403648

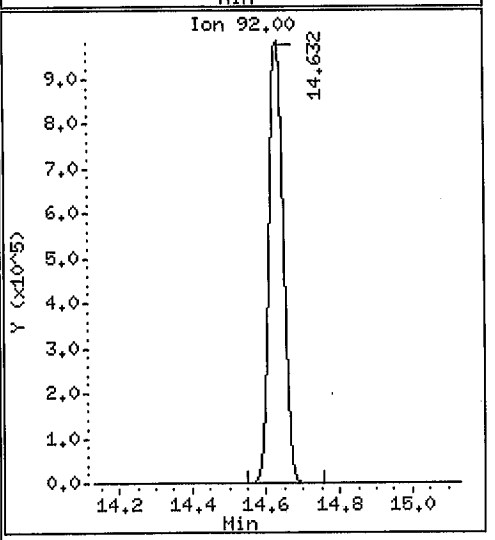
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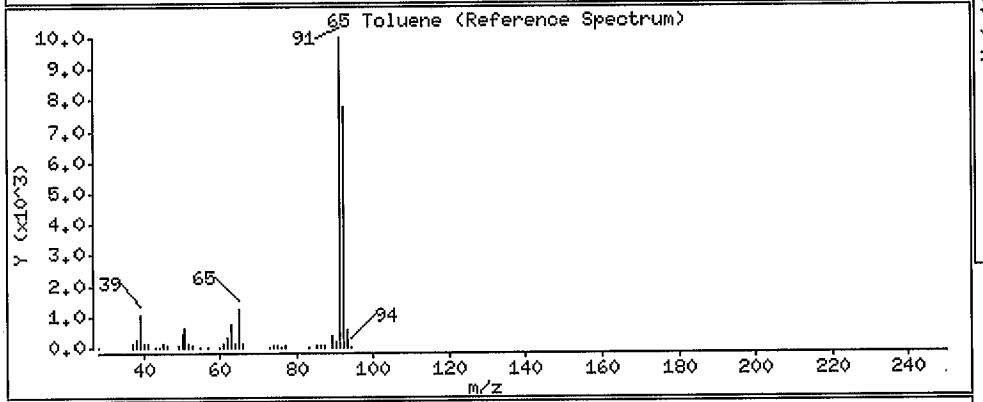
65 Toluene Concentration: 7.454 ppb(v/v)

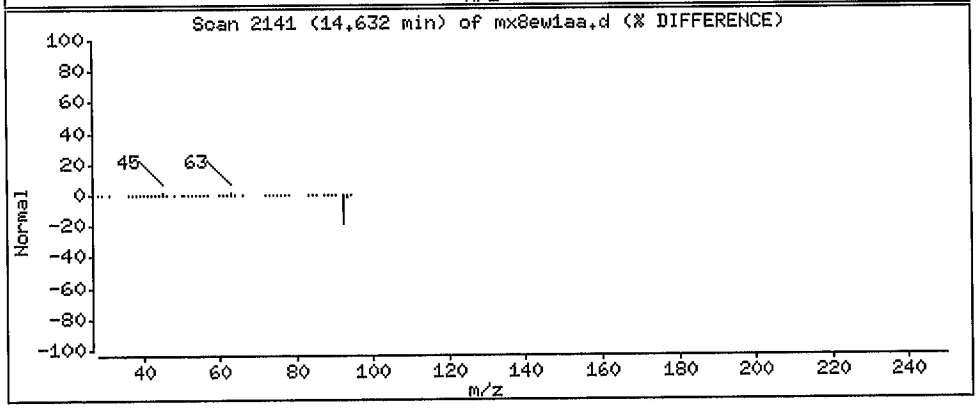












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

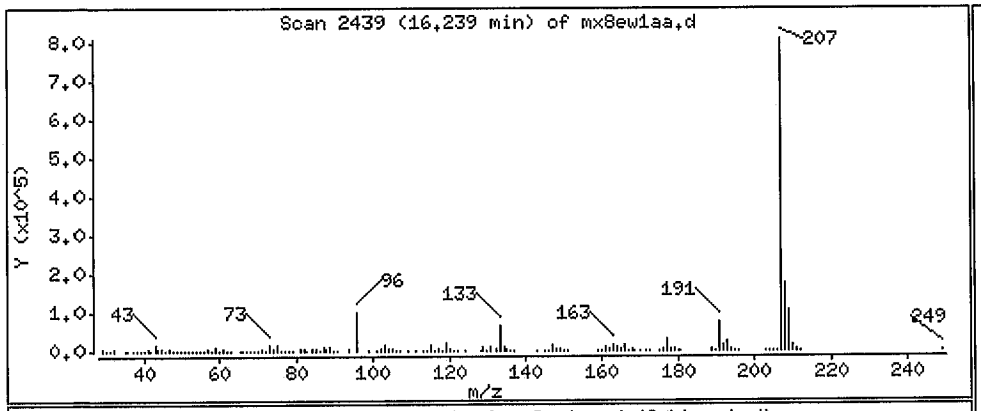
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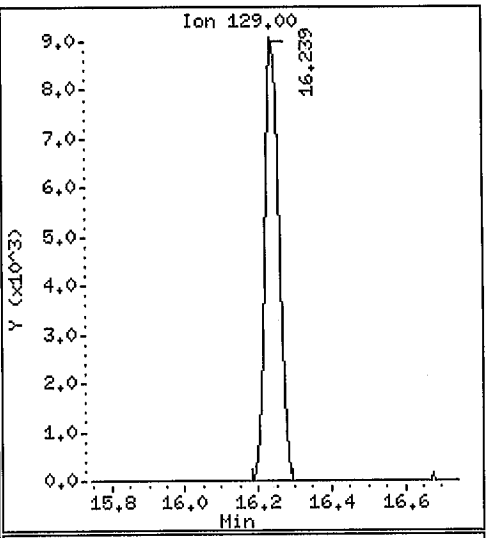
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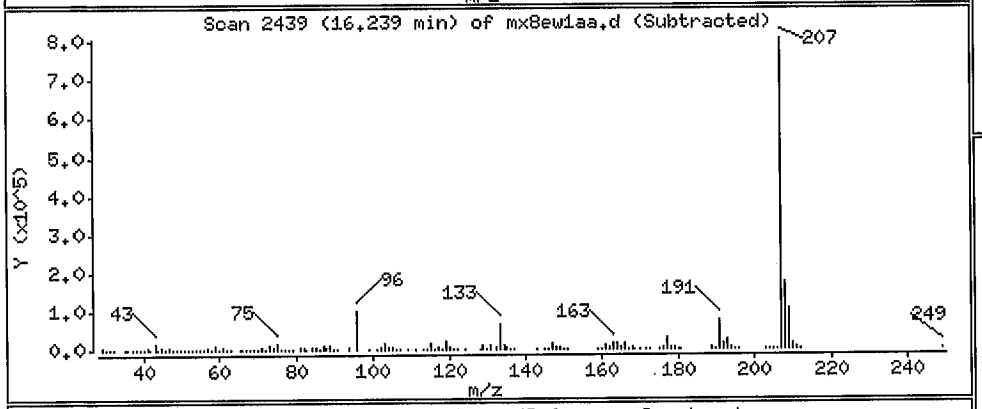
Purge Volume: 500.0 Operator: 403648

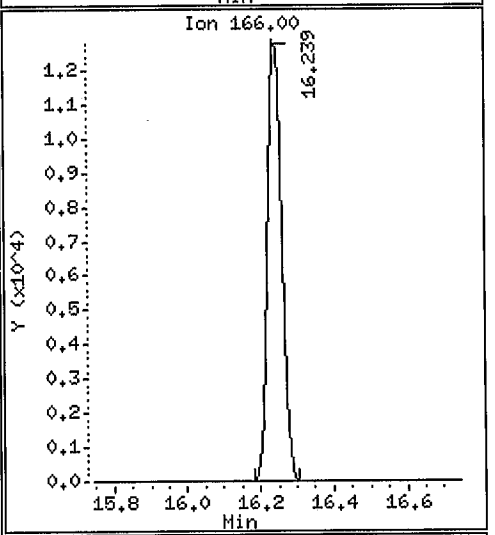
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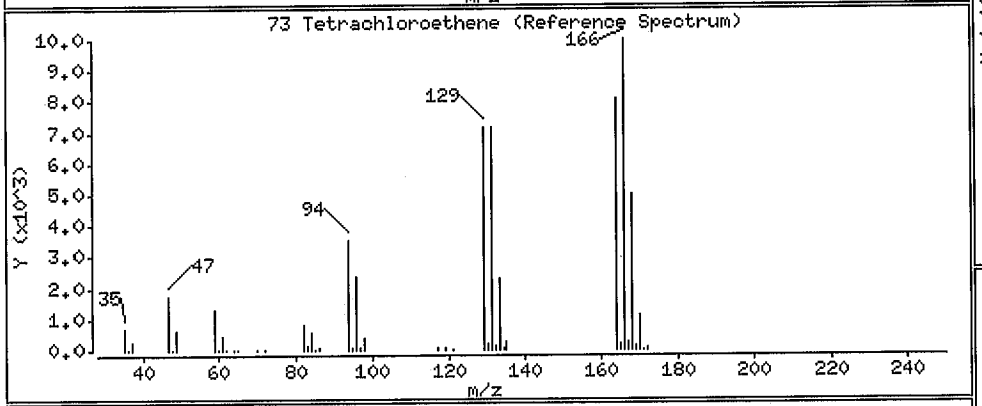
73 Tetrachloroethene Concentration: 0.1122 ppb(v/v)

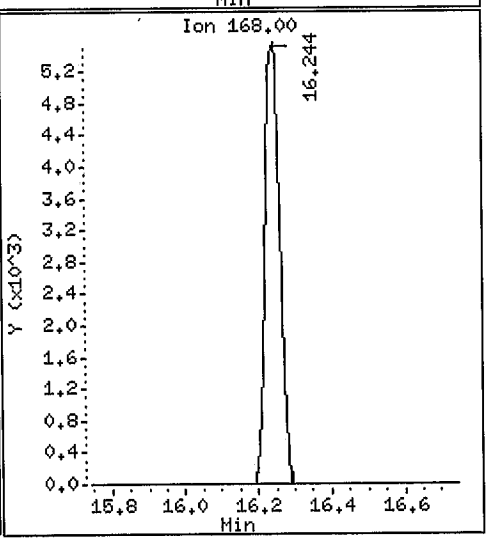


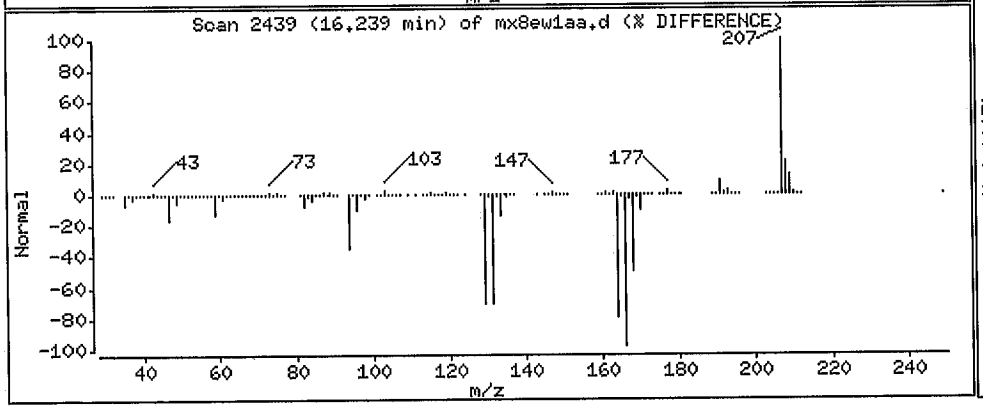












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Date : 01-MAR-2013 04:16

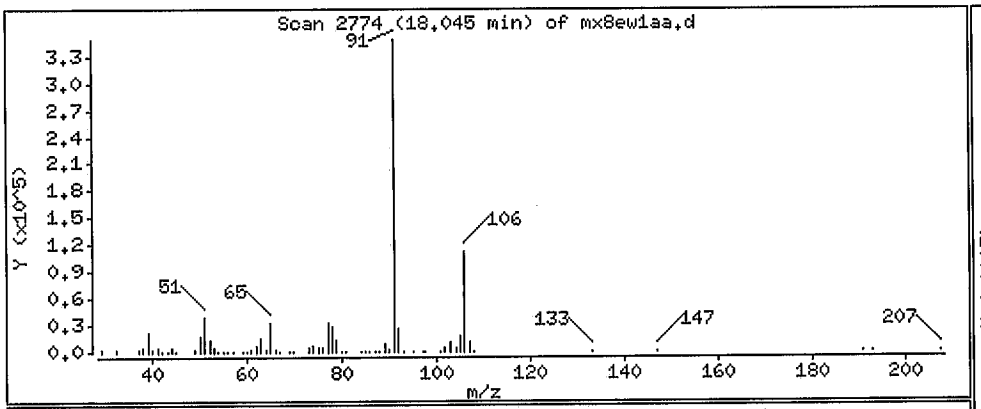
Client ID: 828076-IA-003B4-01 Instrument: mr.i

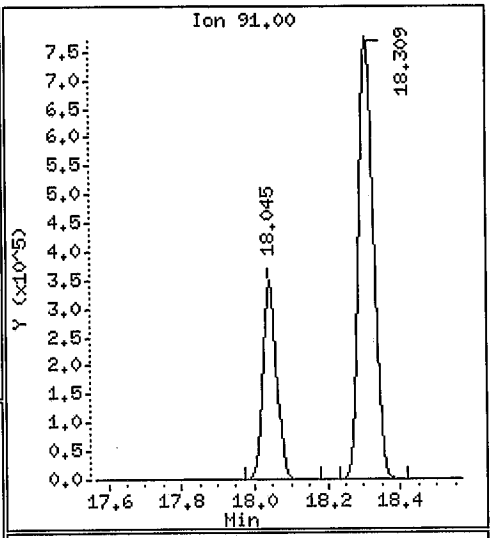
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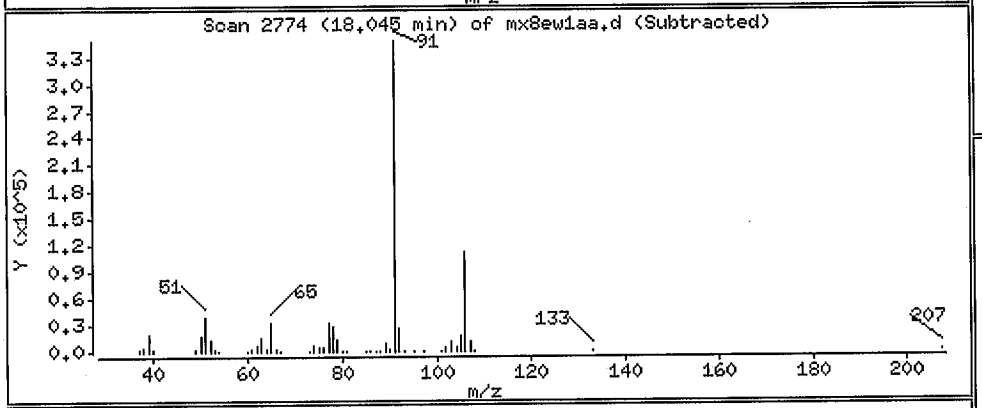
Purge Volume: 500.0 Operator: 403648

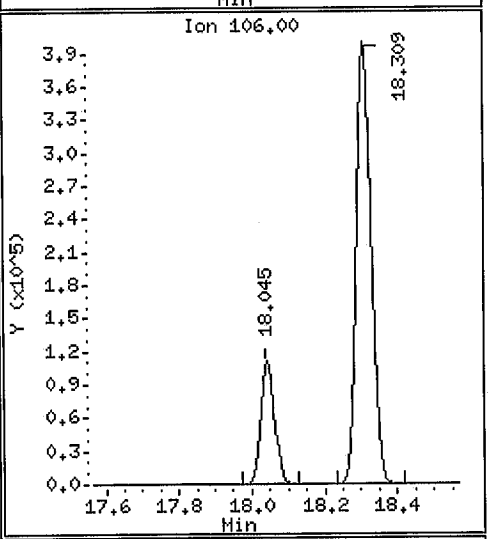
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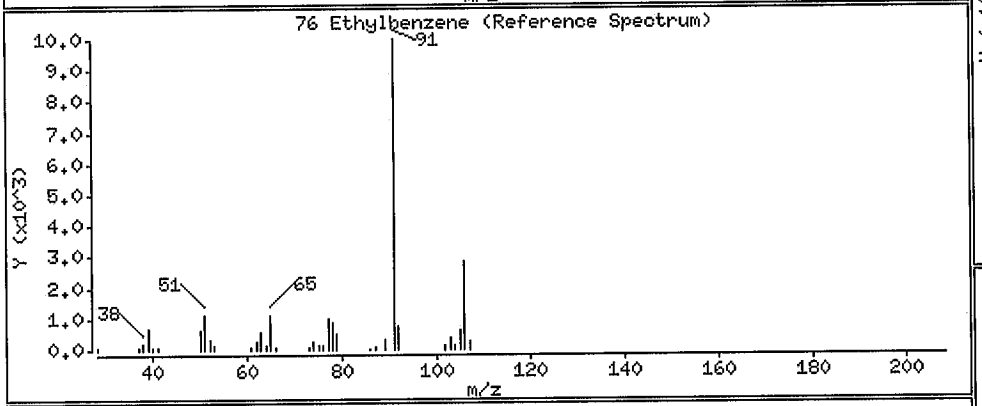
76 Ethylbenzene Concentration: 1.249 ppb(v/v)

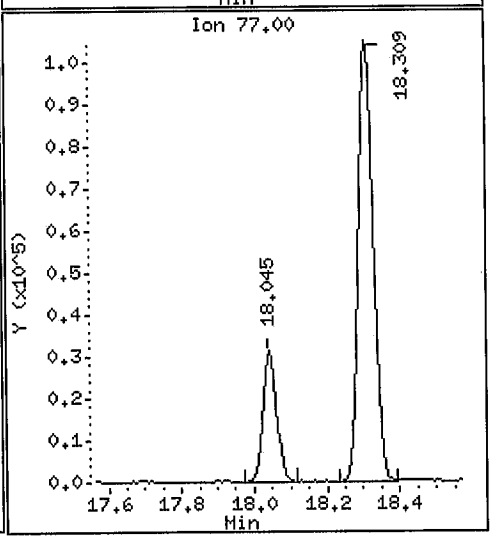


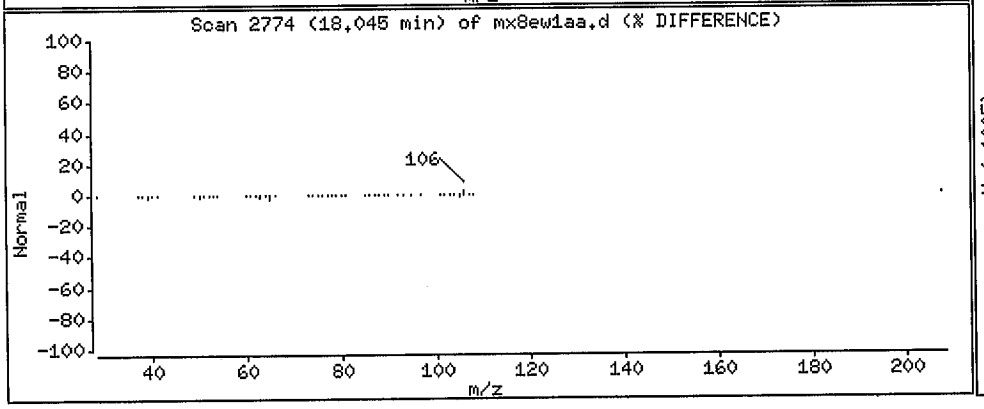












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

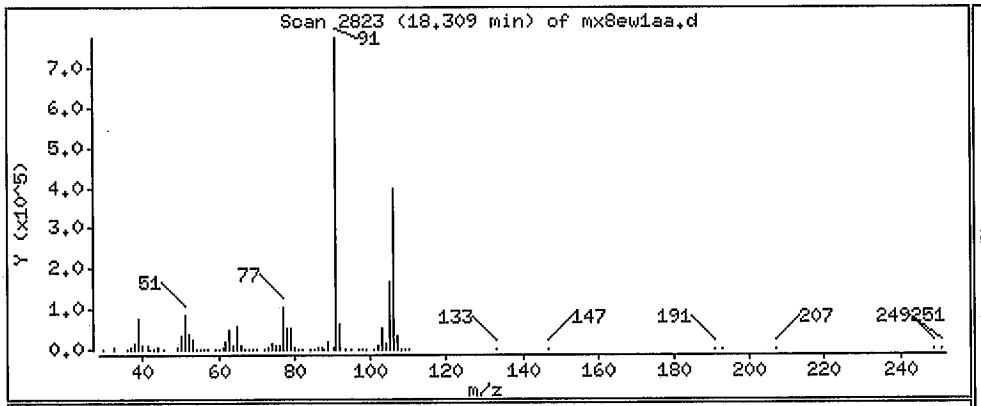
Client ID: 828076-IA-003B4-01 Instrument: mr.i

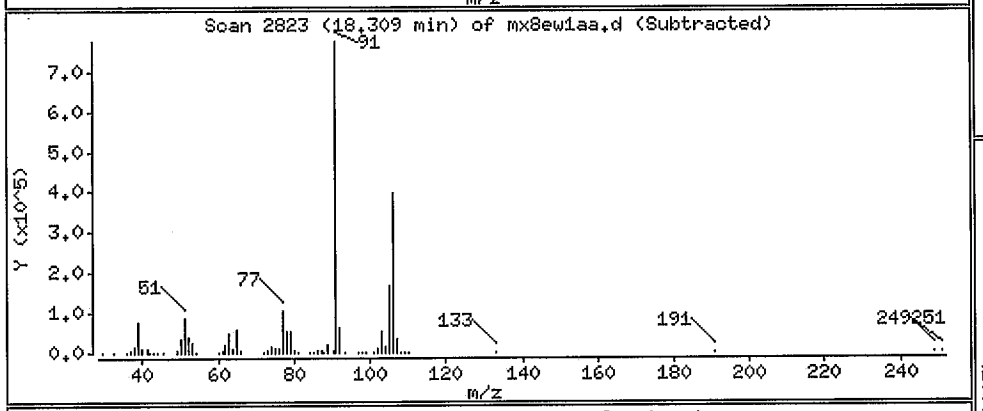
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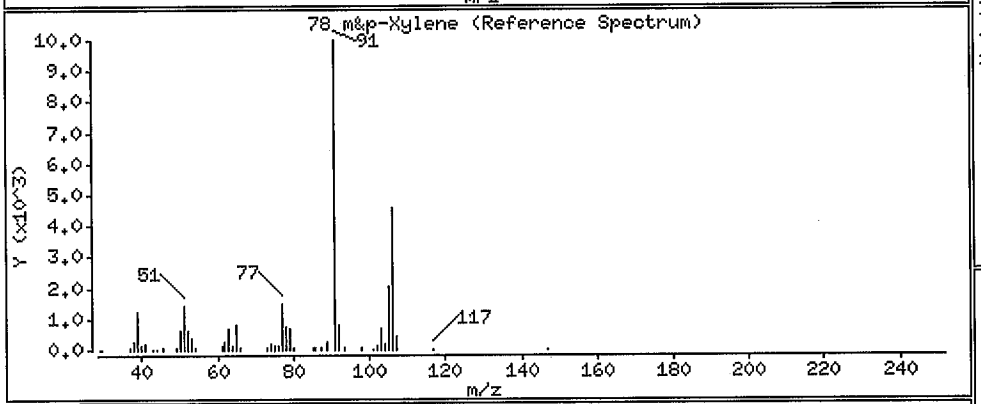
Purge Volume: 500.0 Operator: 403648

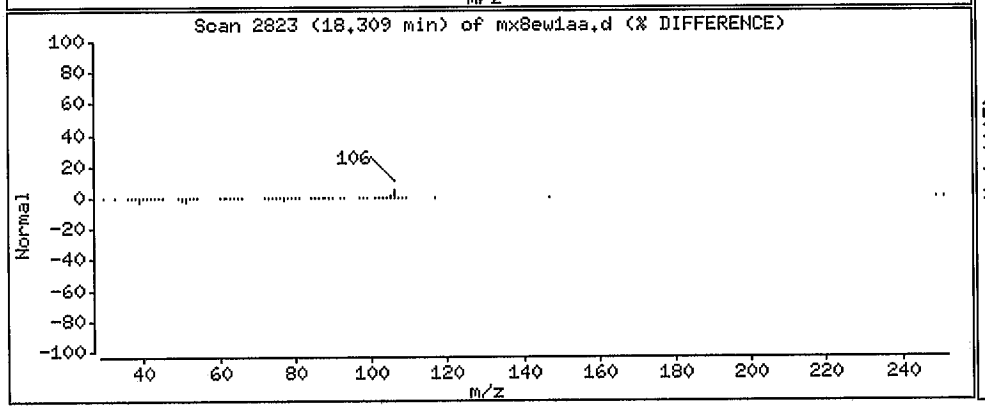
Column phase: Rtx-5 Column diameter: 0.32

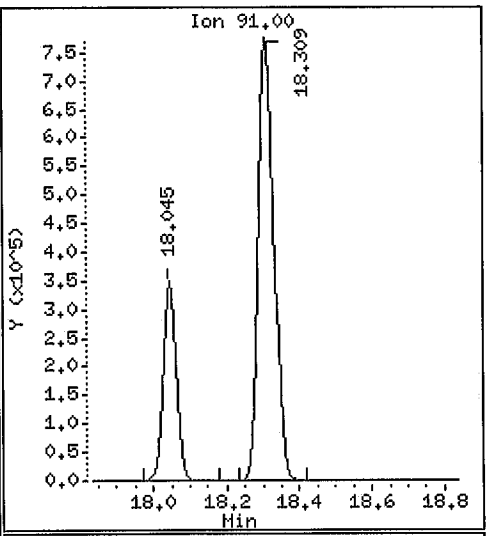
78 m&p-Xylene Concentration: 4.200 ppb(v/v)

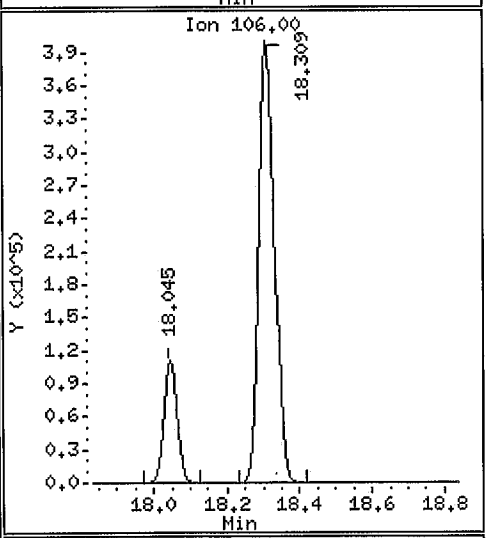


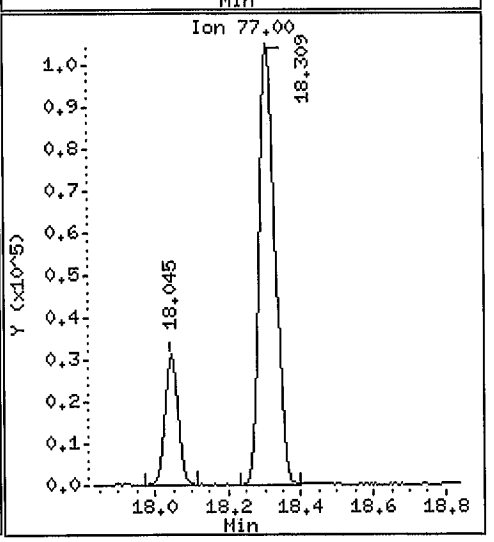












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

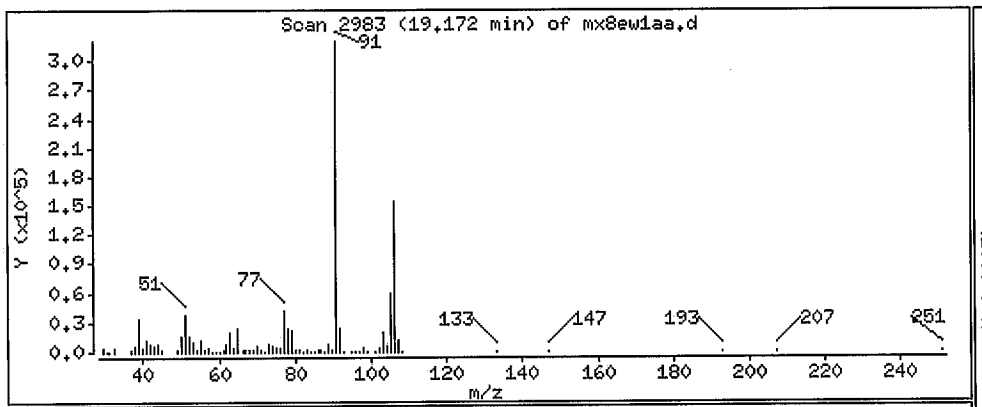
Client ID: 828076-IA-003B4-01 Instrument: mr.i

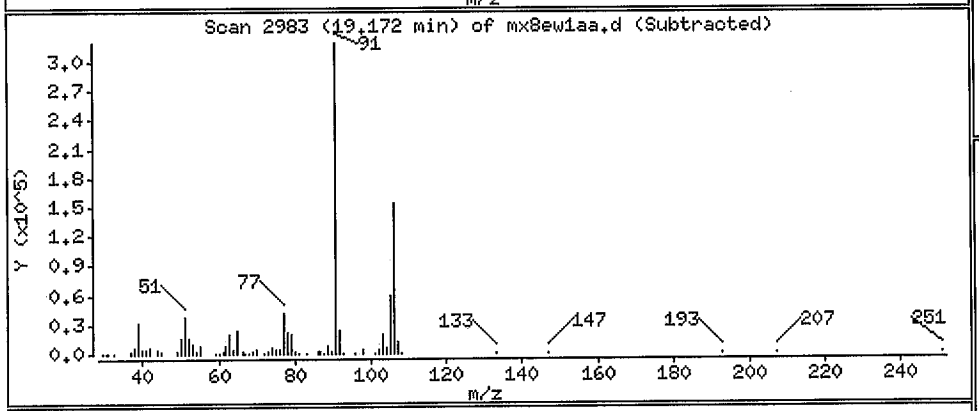
Sample Info: ,,0,,,

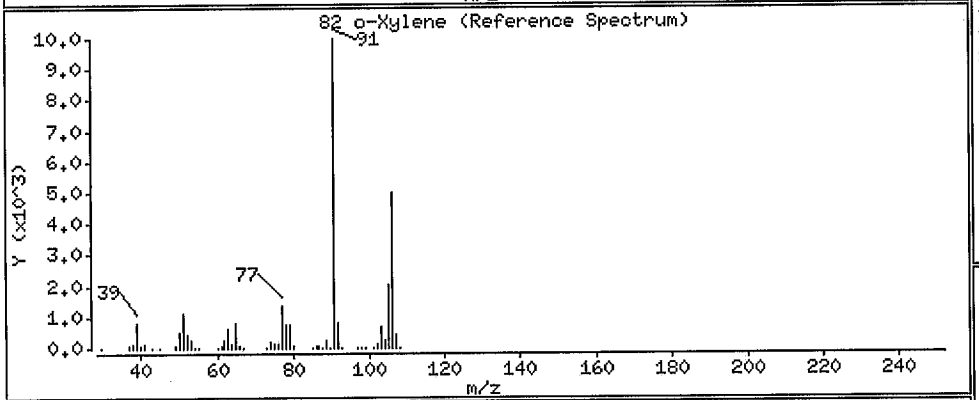
Purge Volume: 500.0 Operator: 403648

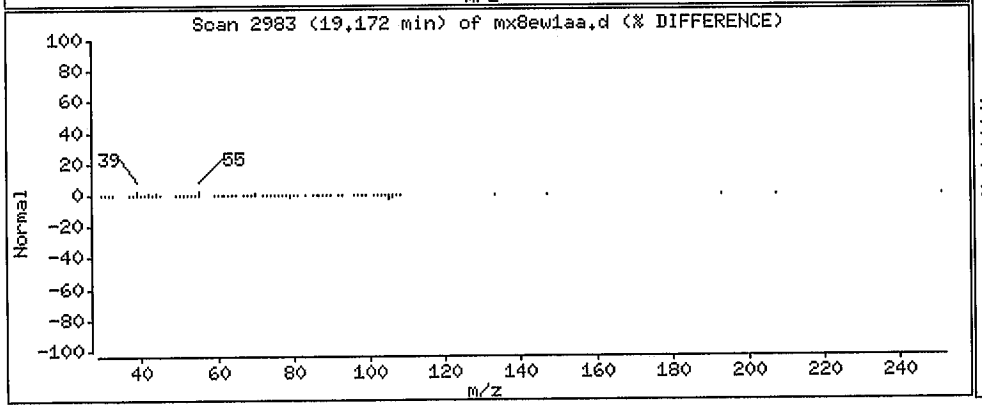
Column phase: Rtx-5 Column diameter: 0.32

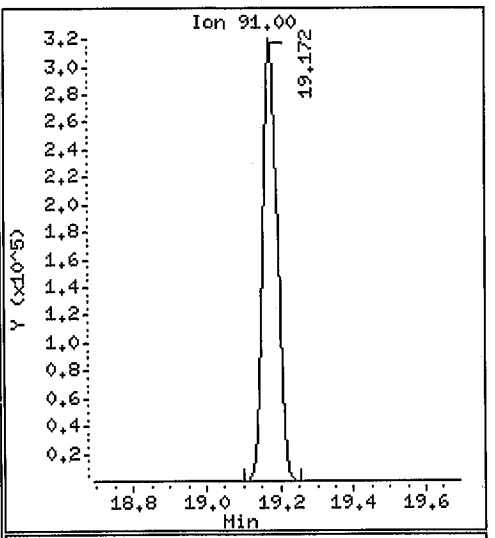
82 o-Xylene Concentration: 1.487 ppb(v/v)

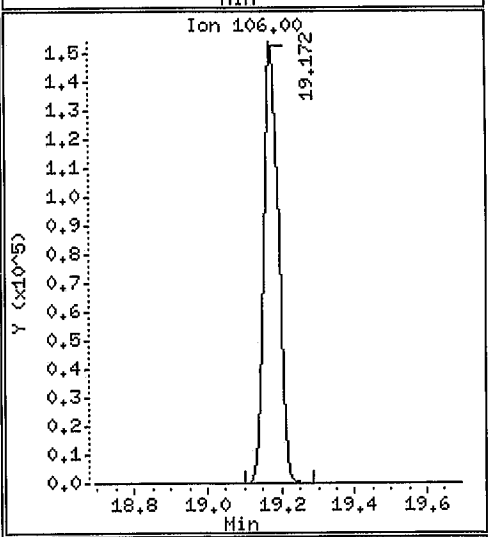


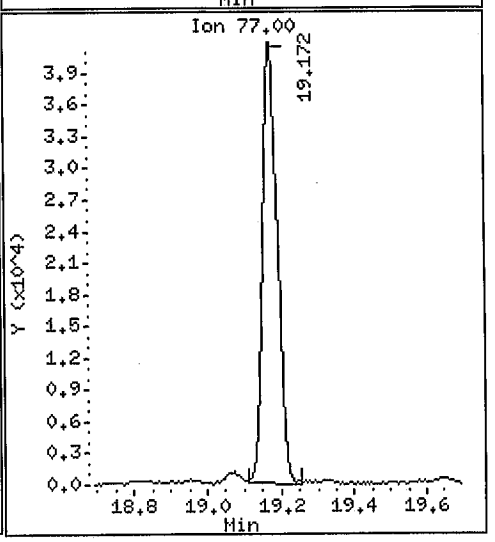












Data File: /var/chem/goms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

Client ID: 828076-IA-003B4-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

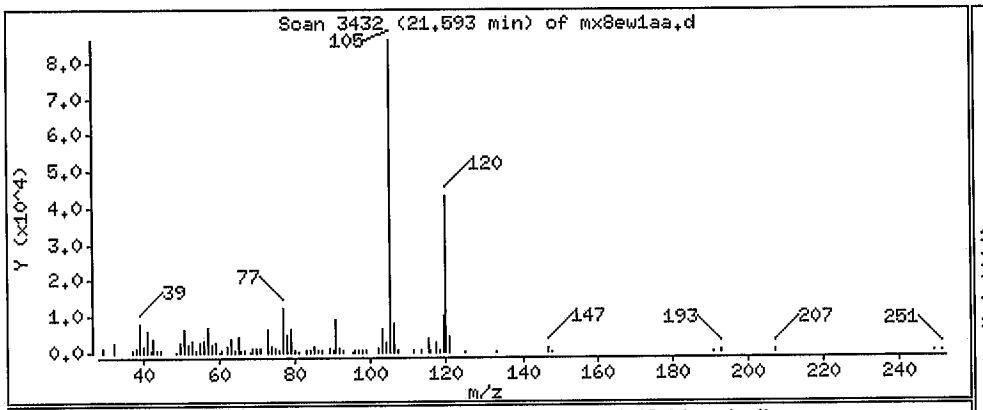
Operator: 403648

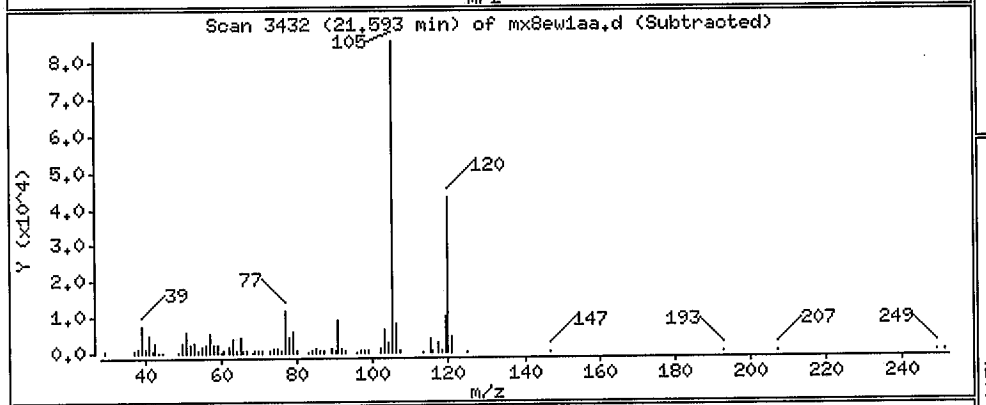
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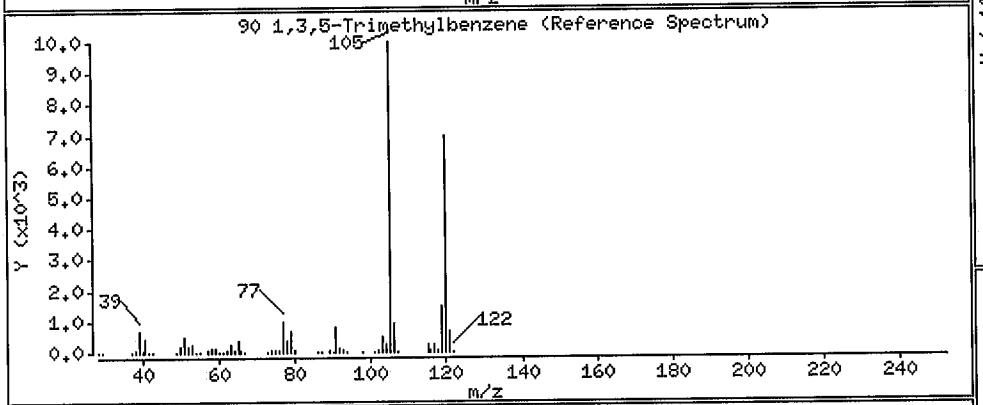
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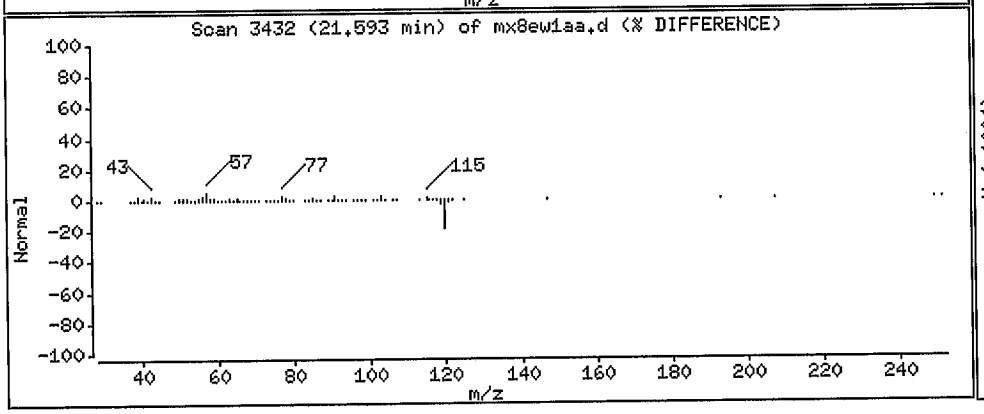
90 1,3,5-Trimethylbenzene

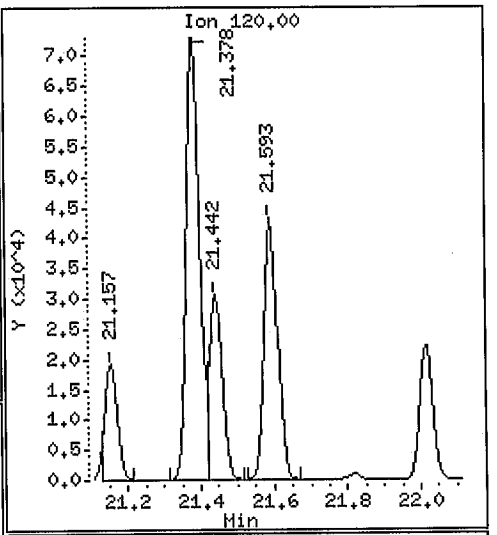
Concentration: 0.2705 ppb(v/v)

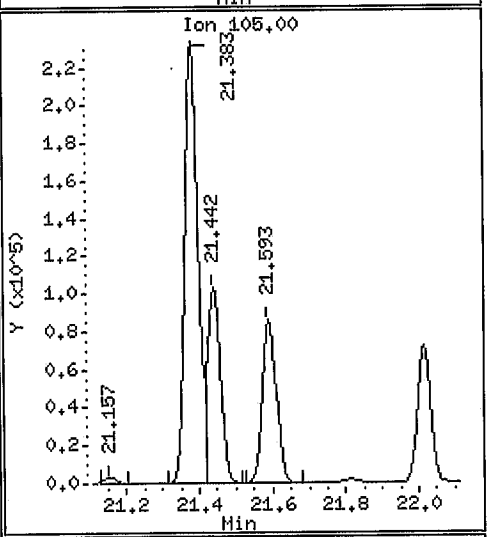


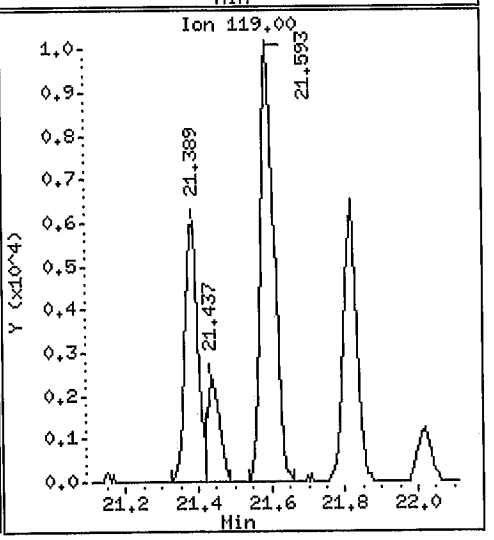












Data File: /var/chem/gcms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

Client ID: 828076-IA-003B4-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

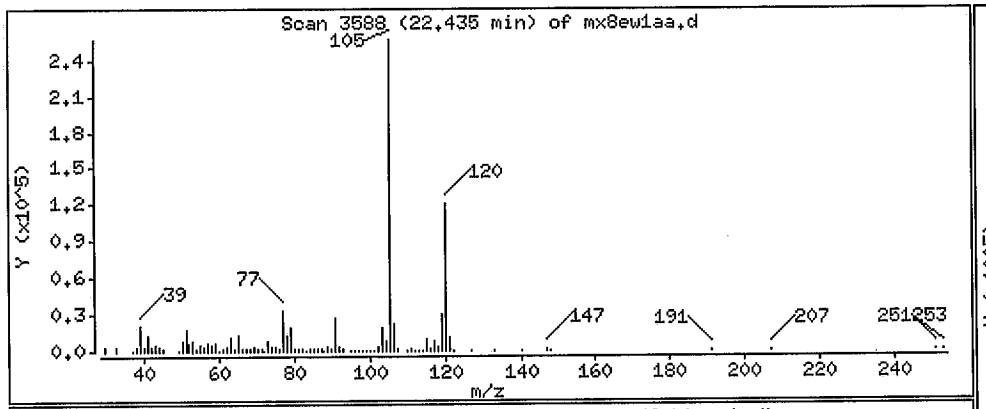
Operator: 403648

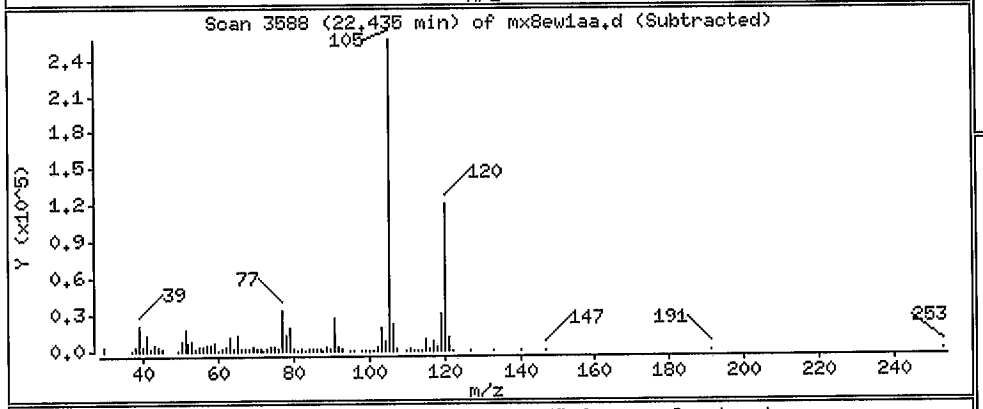
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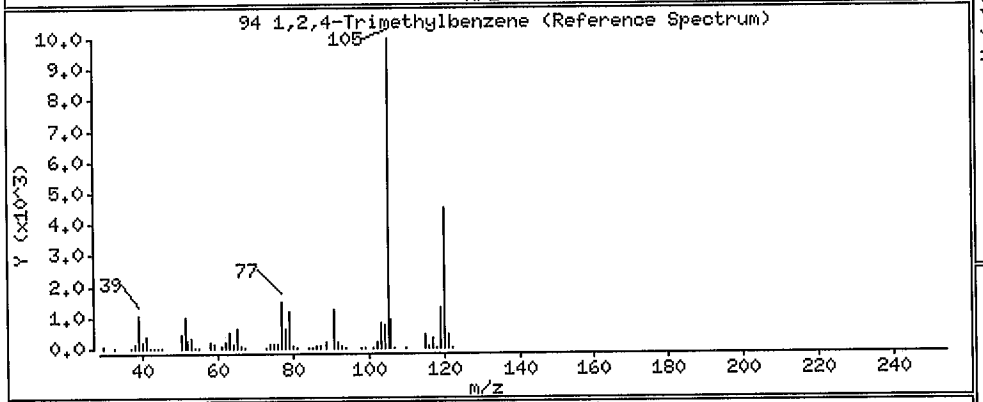
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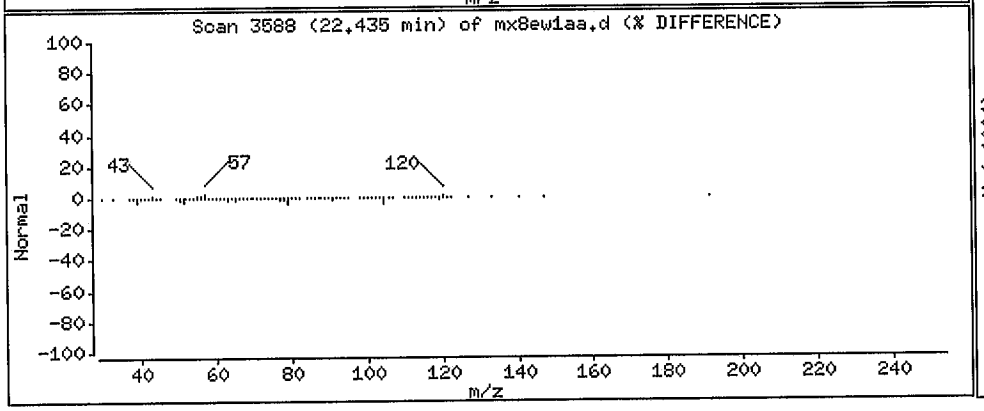
94 1,2,4-Trimethylbenzene

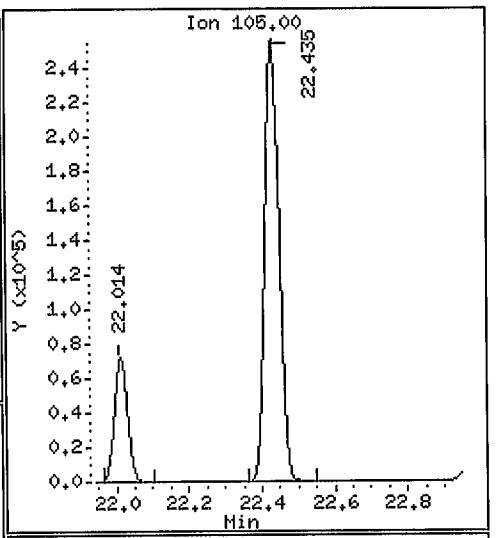
Concentration: 0.9538 ppb(v/v)

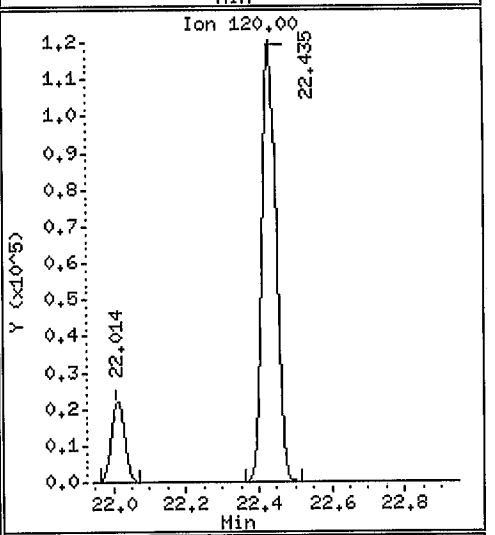


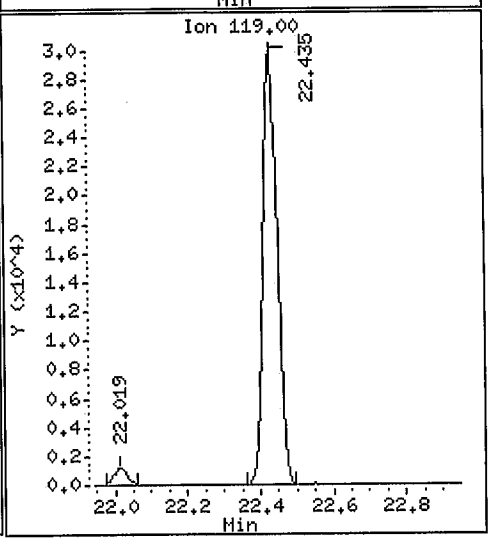












Data File: /var/chem/goms/mr.i/R022813.b/mx8ew1aa.d

Date : 01-MAR-2013 04:16

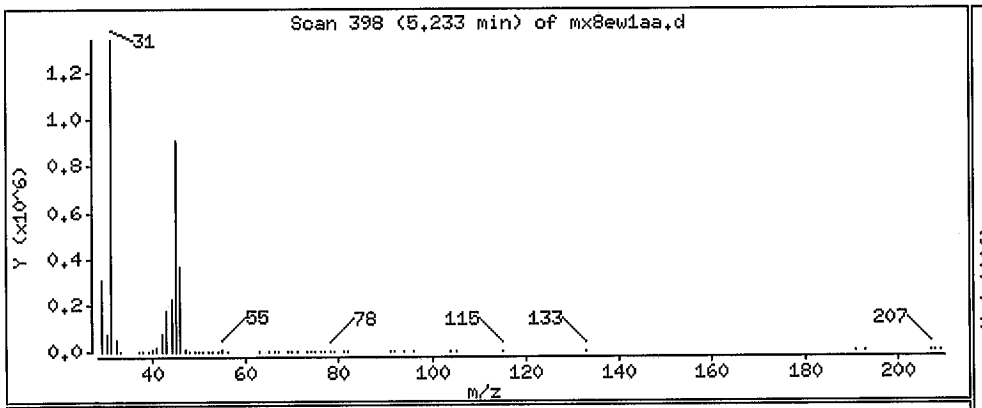
Client ID: 828076-IA-003B4-01 Instrument: mr.i

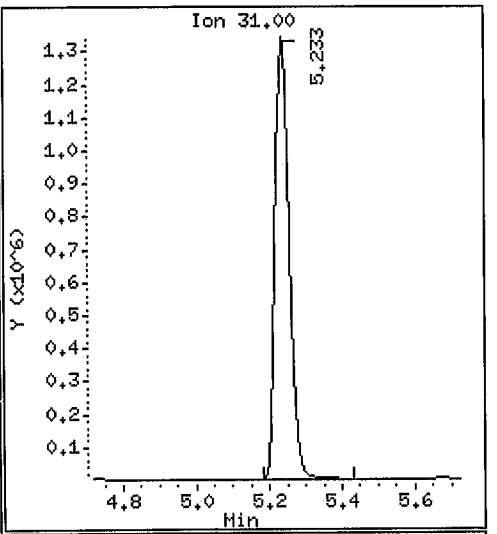
Sample Info: ,,0,,,

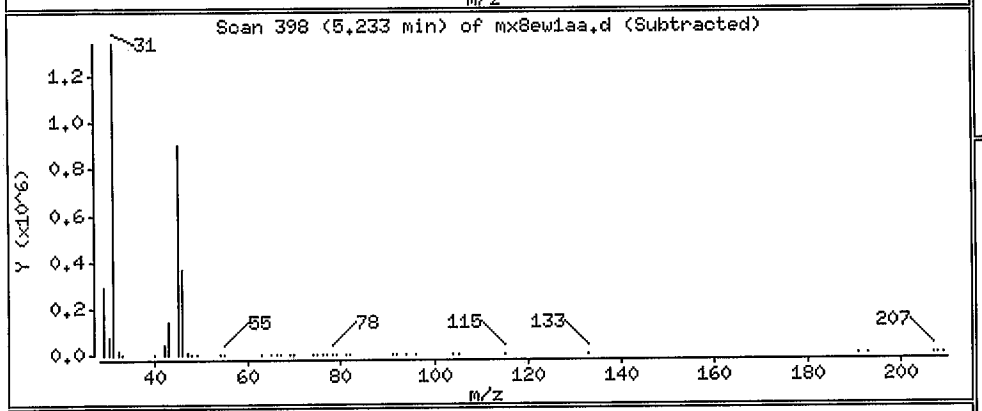
Purge Volume: 500.0 Operator: 403648

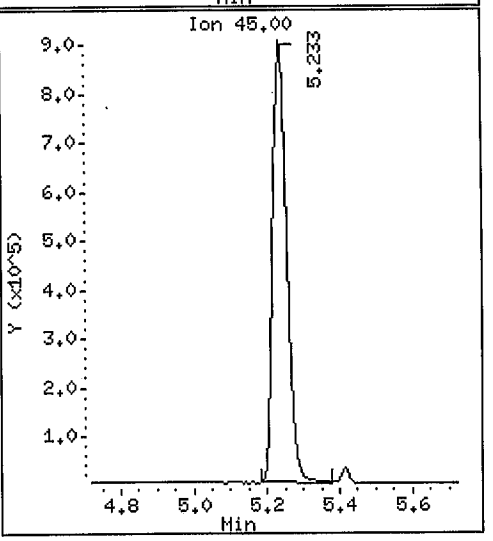
Column phase: Rtx-5 Column diameter: 0.32

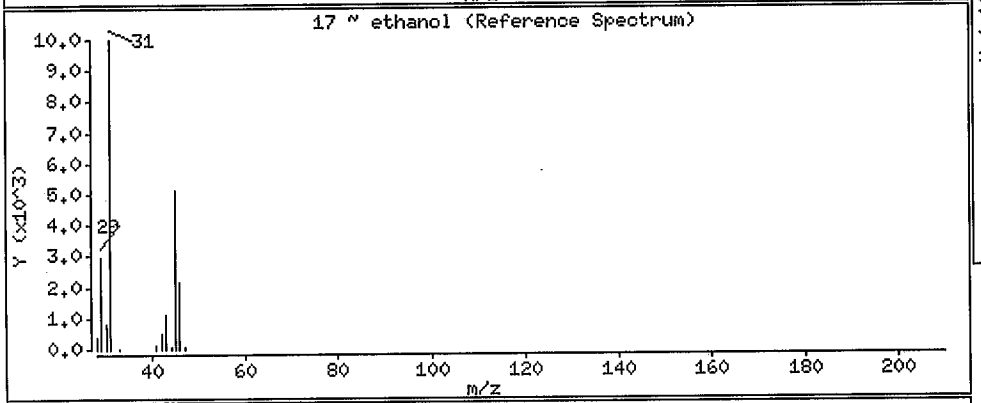
17 ^ ethanol Concentration: 73.88 ppb(v/v)

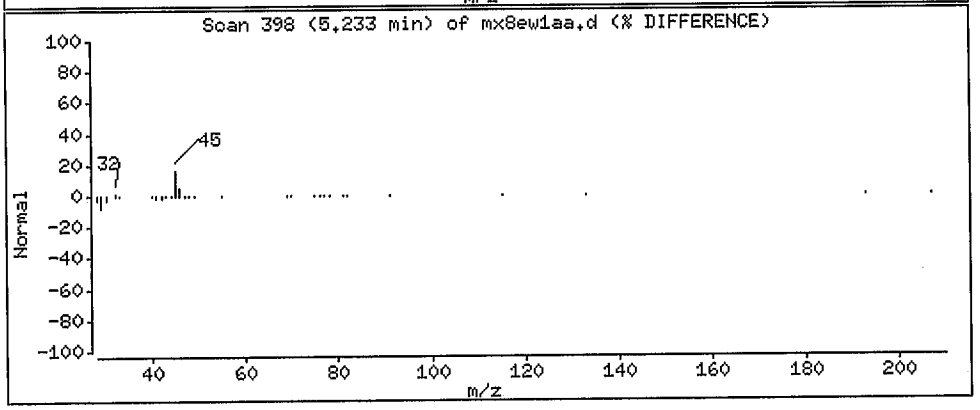












New York State D.E.C.

Client Sample ID: 828076-SS-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 016 **Work Order #** MX8EX1AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/01/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3061010
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.71**	**0.40**	**3.5**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**0.61**	**0.40**	**1.9**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**1.3**	**0.40**	**3.4**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	**1.2**	**1.0**	**4.0**	**3.4**
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	ND	0.40	ND	2.0
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	**0.94**	**0.40**	**4.1**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**1.8**	**1.0**	**6.2**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B4-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 016 **Work Order #** MX8EX1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**8.5**	**0.80**	**31**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.86**	**0.40**	**3.7**	**1.7**
tert-Butyl alcohol	**6.6**	**1.6**	**20**	**4.9**
Tetrachloroethene	ND	0.40	ND	2.7
Toluene	**2.9**	**0.40**	**11**	**1.5**
m-Xylene & p-Xylene	**3.8**	**0.40**	**16**	**1.7**
o-Xylene	**1.3**	**0.40**	**5.9**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**1.4**	**0.20**	**7.8**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

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/mg.i/G030113A.b/mx8ex1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d
Lab Smp Id: MX8EX1AA Client Smp ID: 828076-SS-003B4-01
Inj Date : 01-MAR-2013 18:41
Operator : 7126 Inst ID: mg.i
Smp Info : ,5,0,,,
Misc Info : G030113A,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 02-Mar-2013 12:55 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 6
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	5.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.575	7.581	(1.000)	448502	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.646	9.652	(1.000)	1998824	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1654048	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.279	16.284	(1.116)	1166057	3.97602	3.976
	16 Chloroethane	64	4.151	4.151	(0.548)	13777	0.25986	1.299
	28 tert-butanol	59	5.230	5.235	(0.690)	256489	1.32085	6.604
	36 Methyl-t-Butyl Ether	73	6.173	6.179	(0.815)	539368	1.70955	8.548
	40 Hexane	56	6.858	6.864	(0.905)	42076	0.35160	1.758
	49 Cyclohexane	69	9.010	9.010	(0.934)	14735	0.23437	1.172
	48 Benzene	78	9.053	9.064	(0.938)	46330	0.12102	0.6051
	56 Trichloroethene	130	10.363	10.369	(1.074)	60616	0.28901	1.445
	65 Toluene	91	12.531	12.536	(0.859)	257616	0.58792	2.940
	76 Ethylbenzene	91	14.936	14.936	(1.024)	101495	0.18763	0.9381
	78 m&p-Xylene	91	15.098	15.103	(1.035)	317312	0.75613	3.781
	81 Styrene	104	15.588	15.588	(1.068)	52393	0.17149	0.8574
	82 o-Xylene	91	15.637	15.637	(1.072)	115140	0.26974	1.349

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d
Report Date: 02-Mar-2013 12:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	69281	0.14156	0.7078

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8ex1aa.d
Lab Smp Id: MX8EX1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: 828076-SS-003B4-01
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	448502	16.45
2 1,4-Difluorobenze	1517394	902849	2131939	1998824	31.73
3 Chlorobenzene-d5	1361313	809981	1912645	1654048	21.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	-0.07
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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/mg.i/G030113A.b/mx8ex1aa.d
Report Date: 02-Mar-2013 12:56

TestAmerica Knoxville

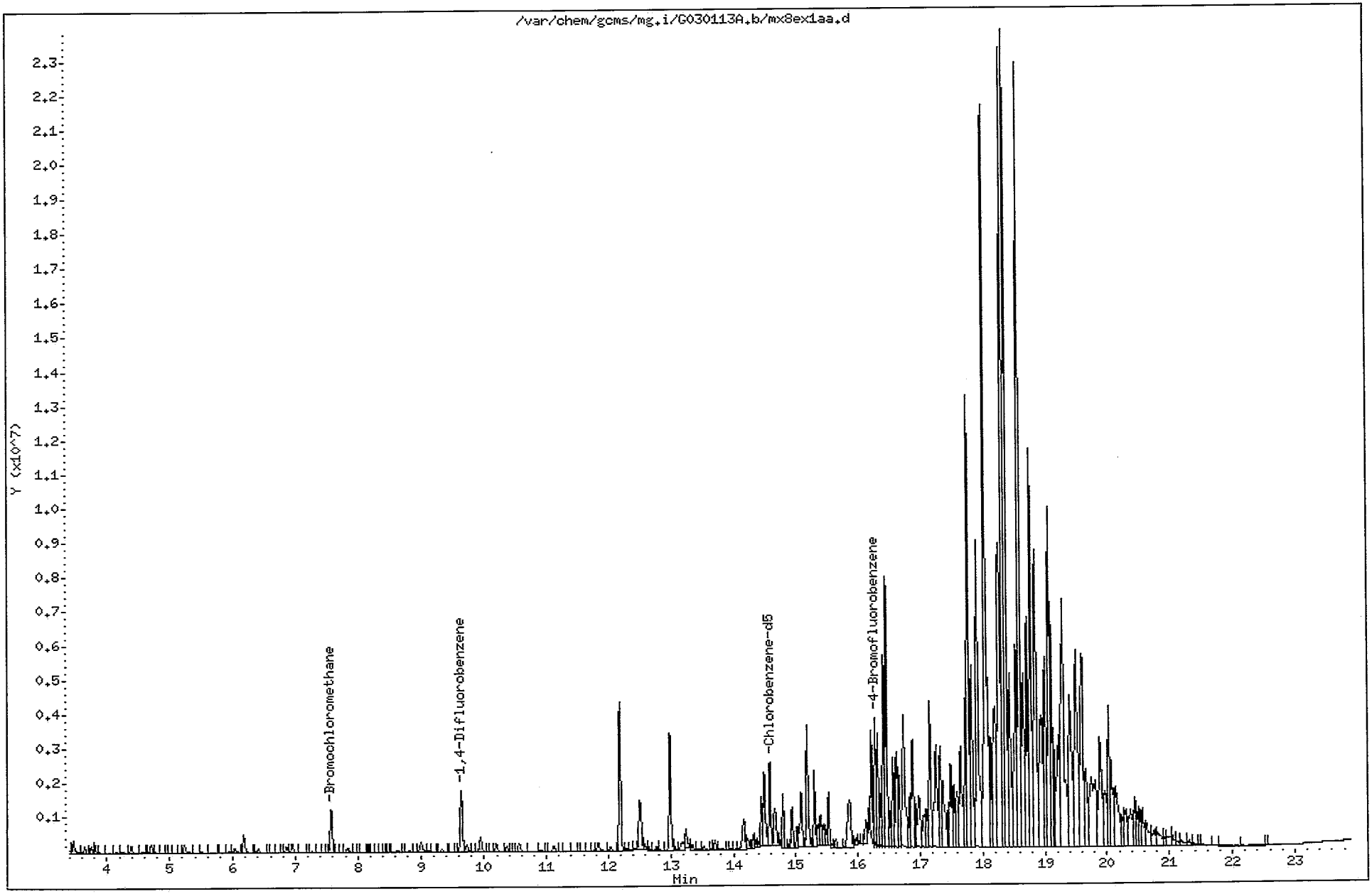
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8EX1AA Client Smp ID: 828076-SS-003B4-01
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.976	99.40	60-140

Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d
Date : 01-MAR-2013 18:41
Client ID: 828076-SS-003B4-01
Sample Info: ,5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

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



Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

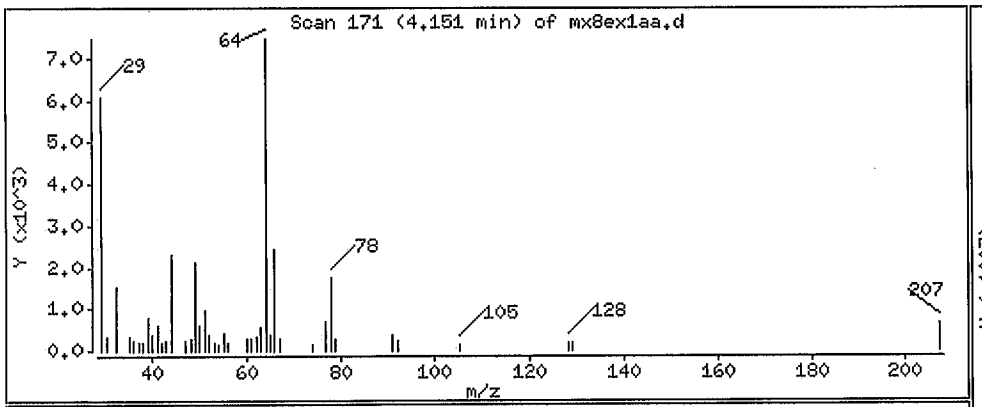
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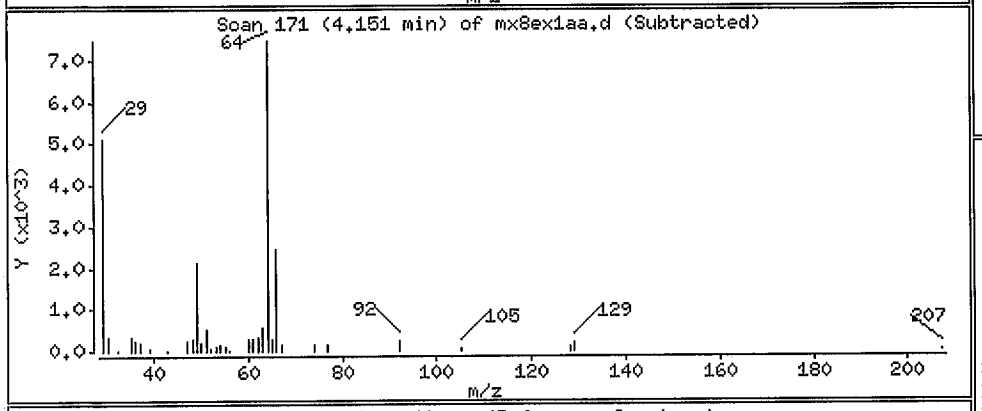
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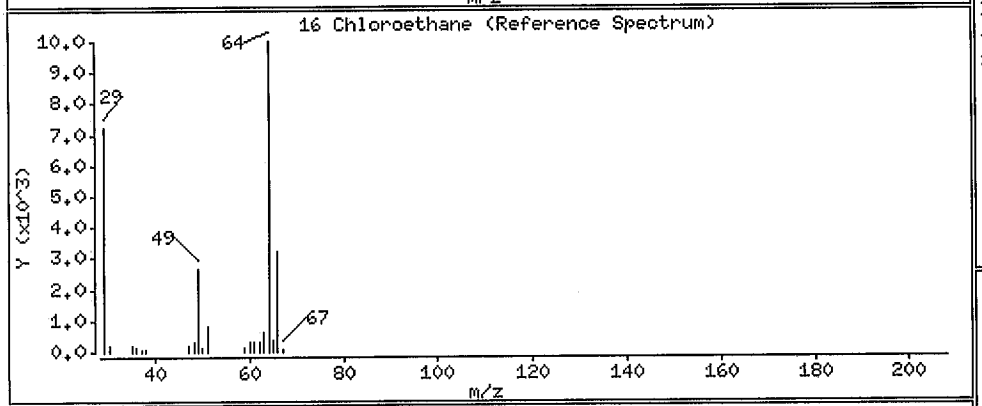
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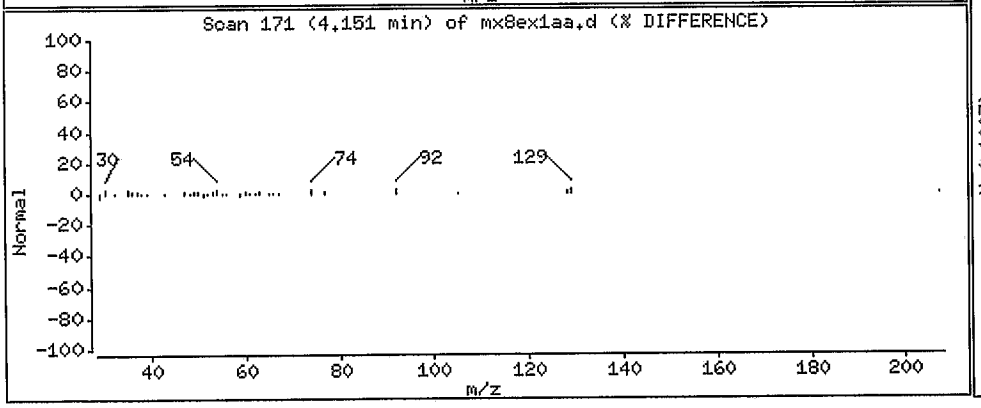
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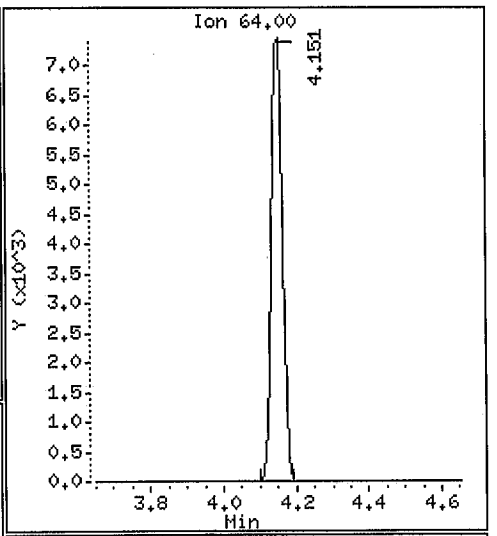
16 Chloroethane Concentration: 1.299 ppb(v/v)

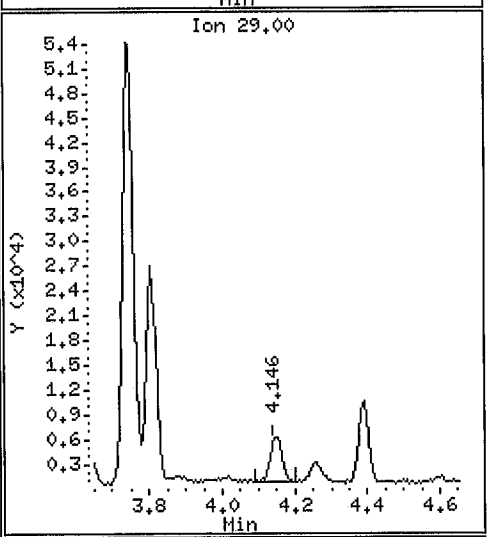


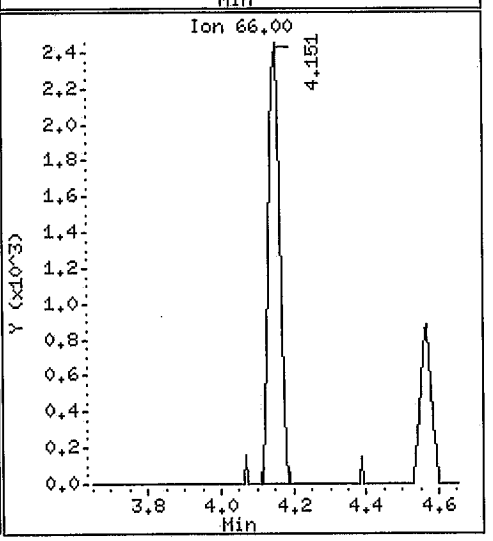












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

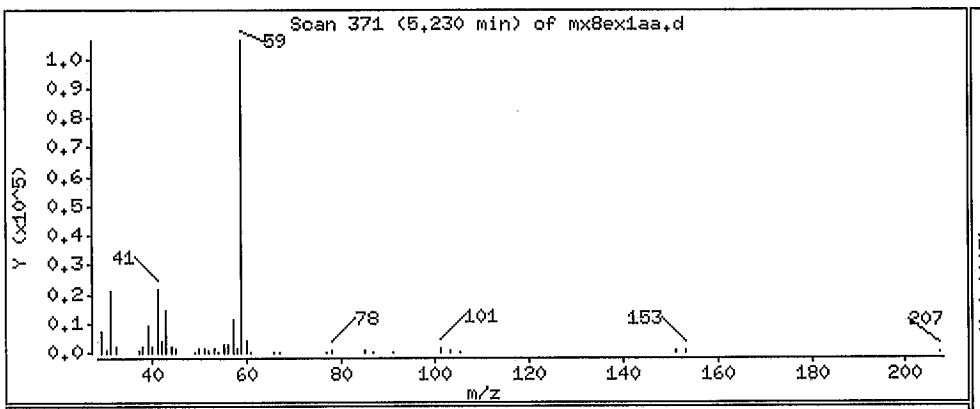
Client ID: 828076-SS-003B4-01 Instrument: mg.i

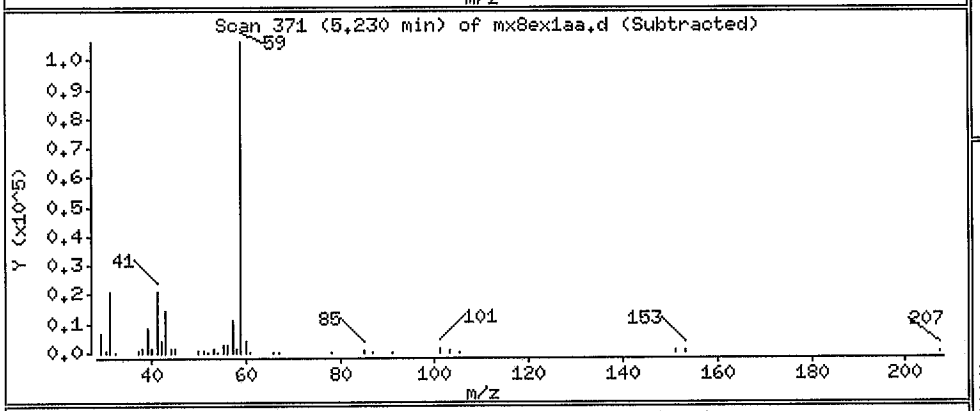
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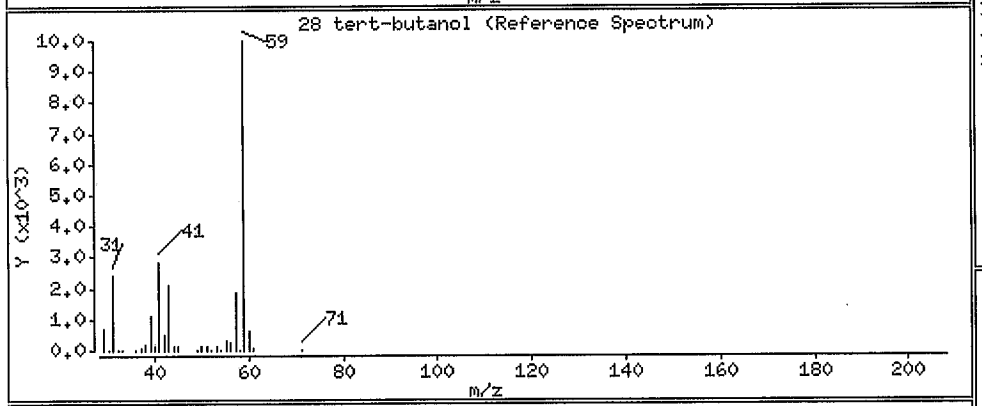
Purge Volume: 500.0 Operator: 7126

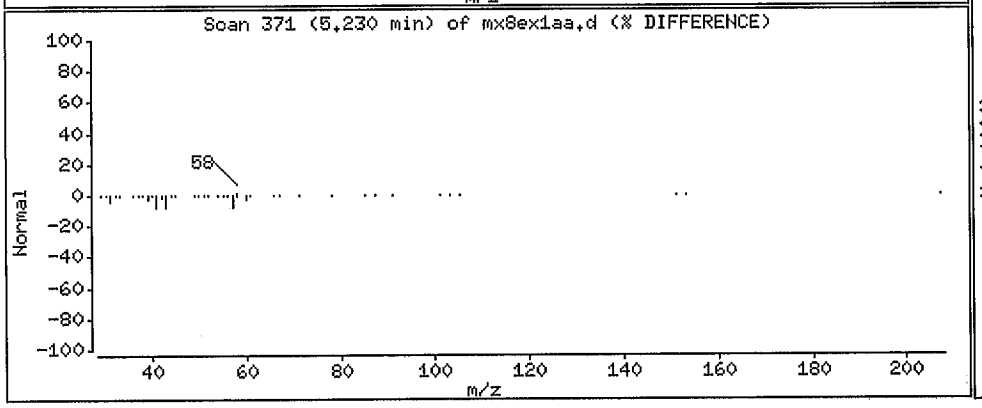
Column phase: Rtx-5 Column diameter: 0.32

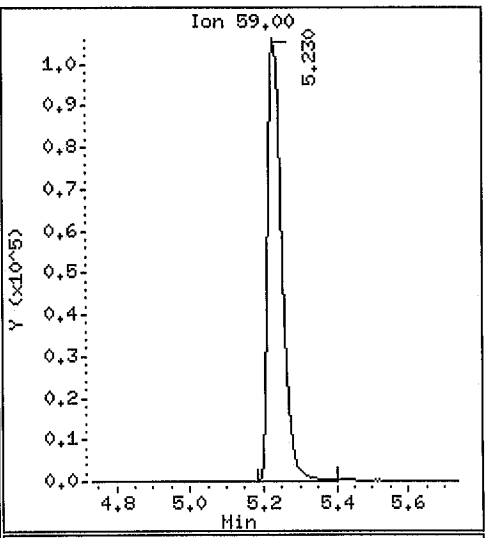
28 tert-butanol Concentration: 6.604 ppb(v/v)

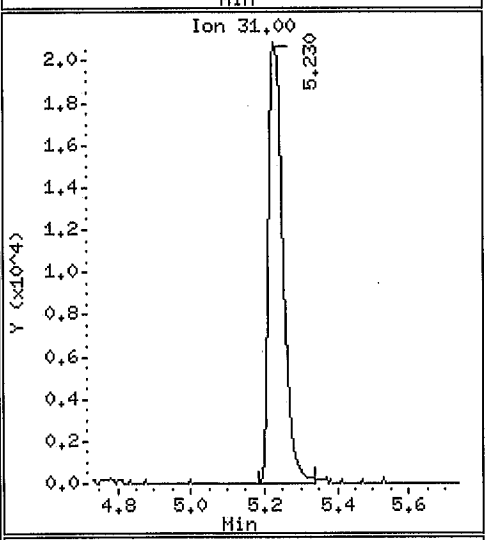


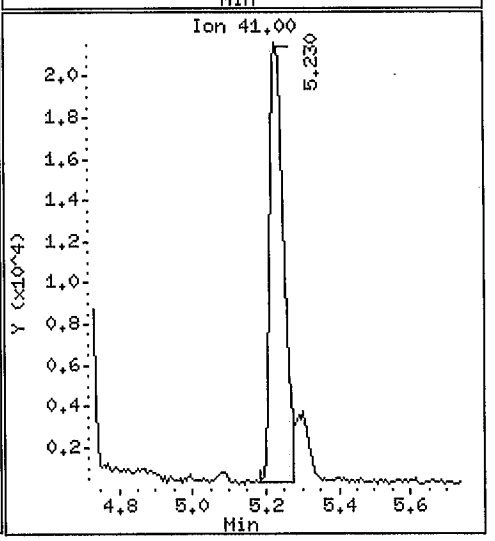












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

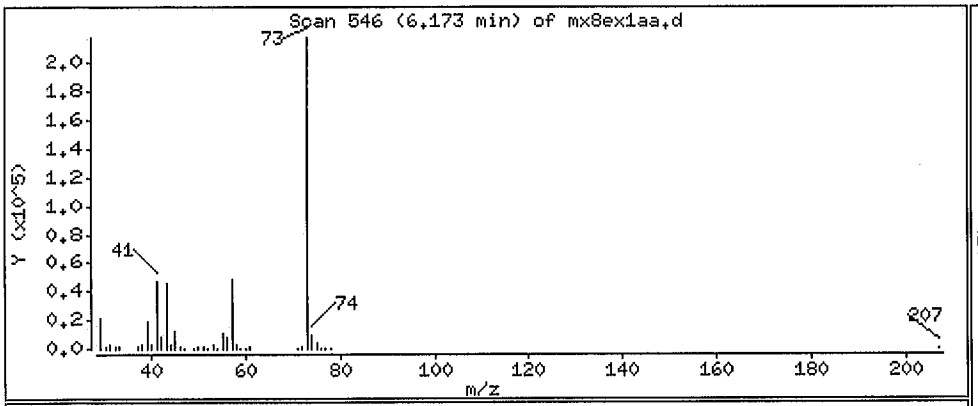
Client ID: 828076-SS-003B4-01 Instrument: mg.i

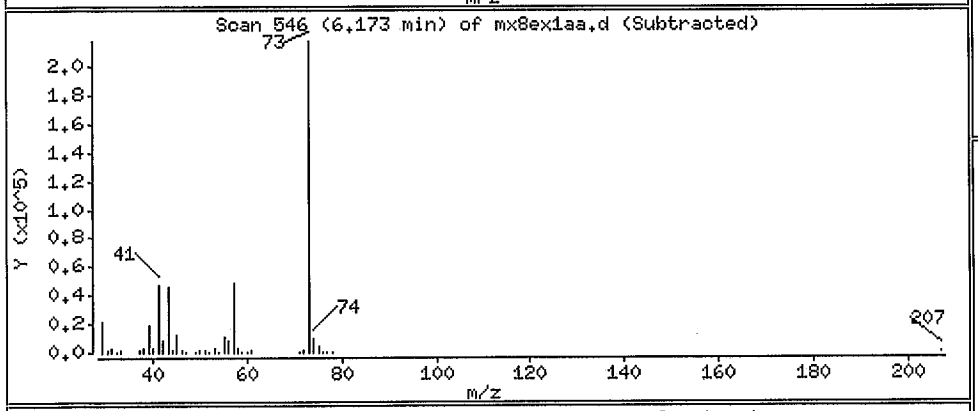
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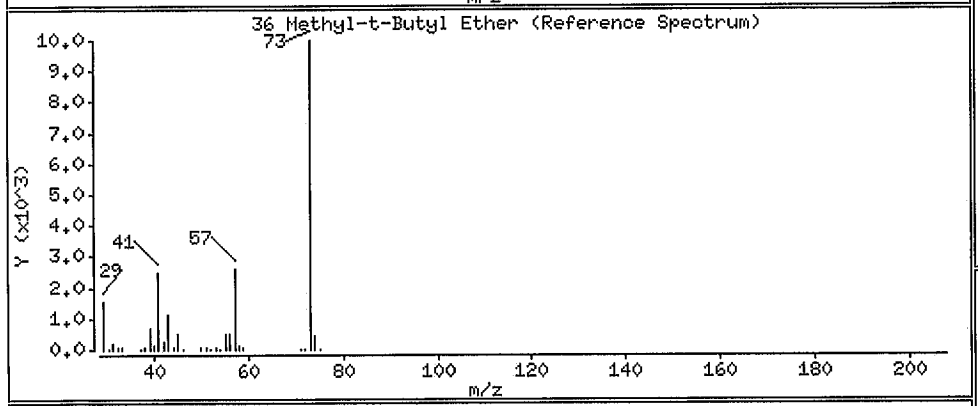
Purge Volume: 500.0 Operator: 7126

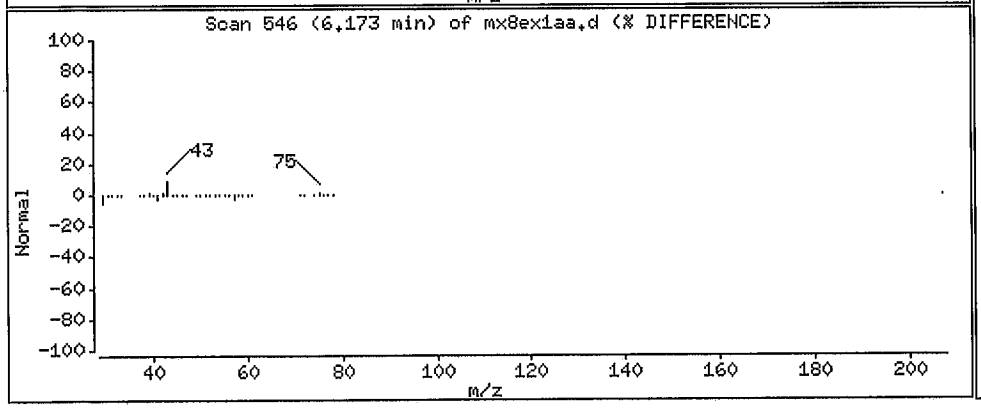
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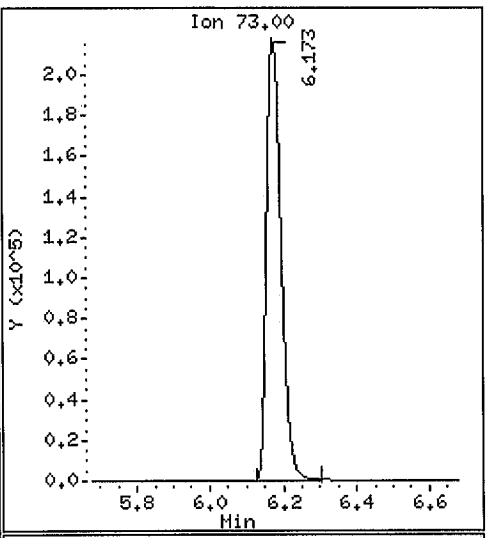
36 Methyl-t-Butyl Ether Concentration: 8.548 ppb(v/v)

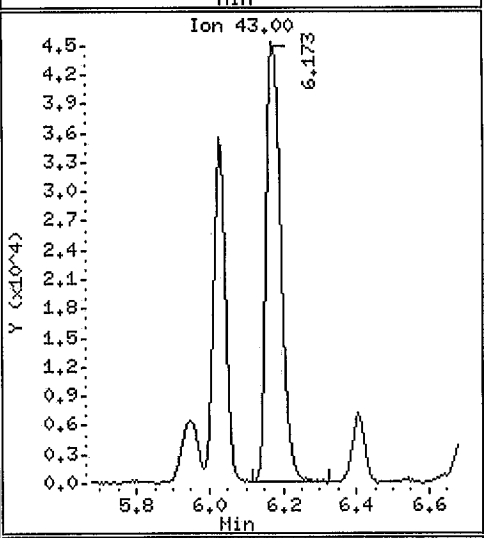


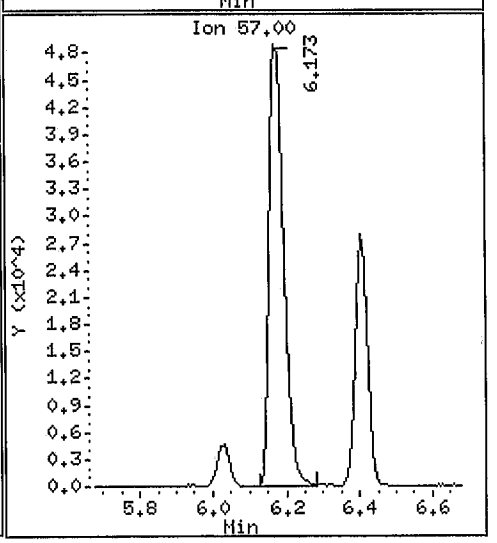












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

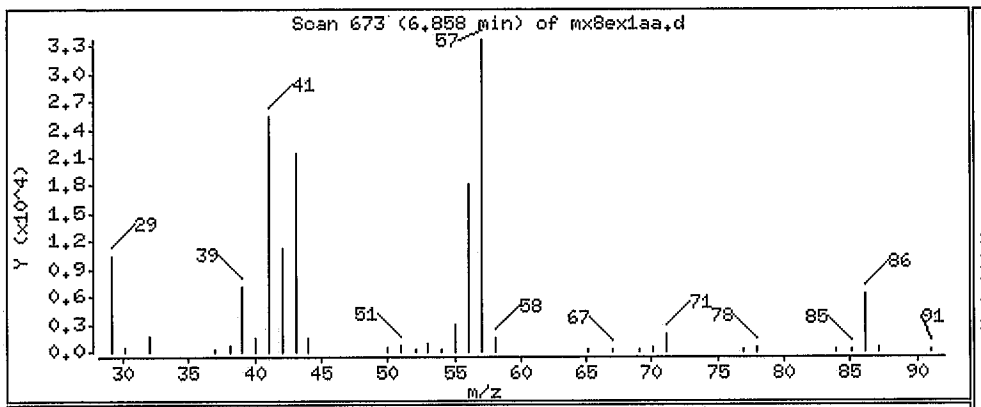
Client ID: 828076-SS-003B4-01 Instrument: mg.i

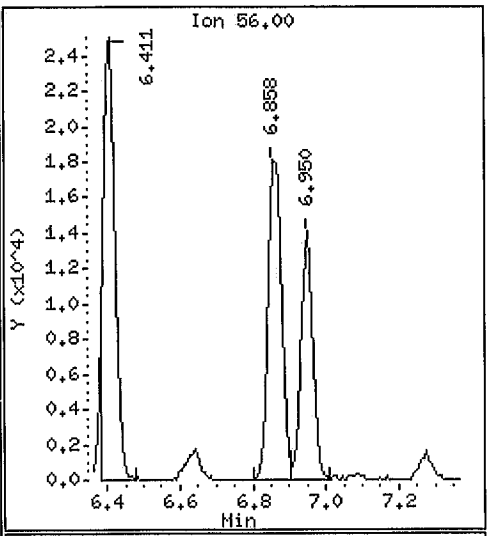
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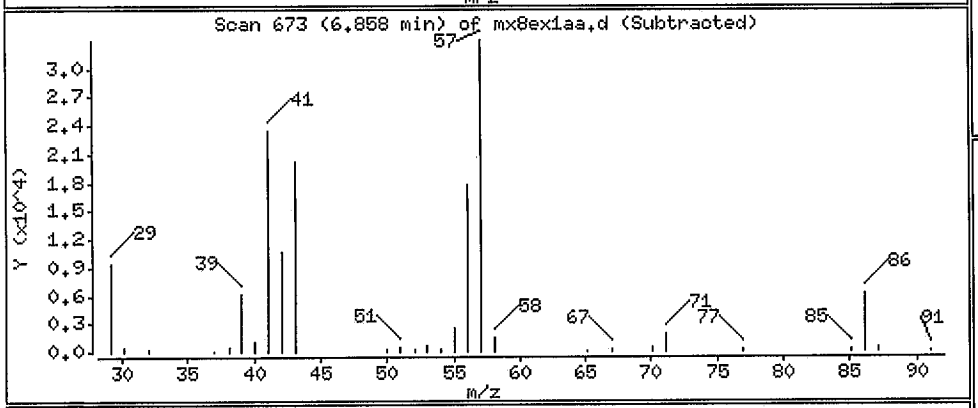
Purge Volume: 500.0 Operator: 7126

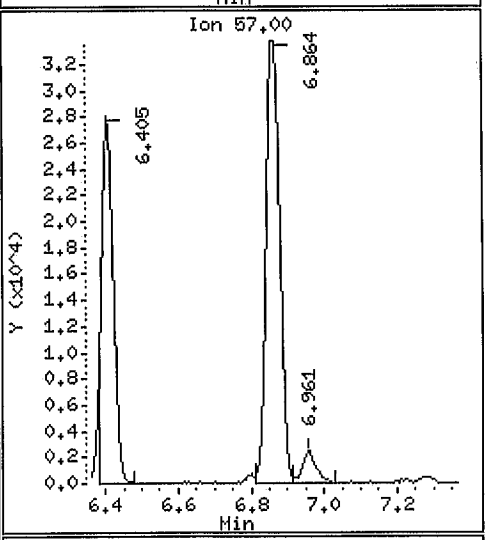
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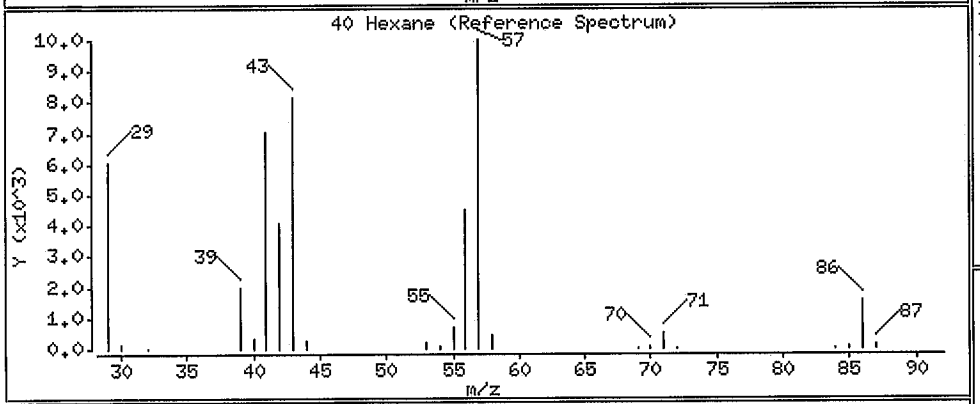
40 Hexane Concentration: 1.758 ppb(v/v)

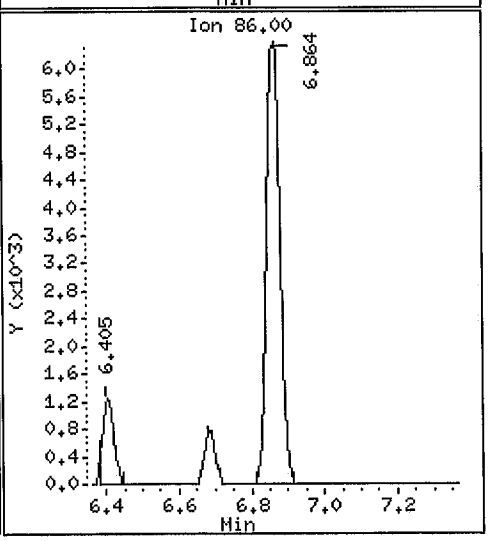


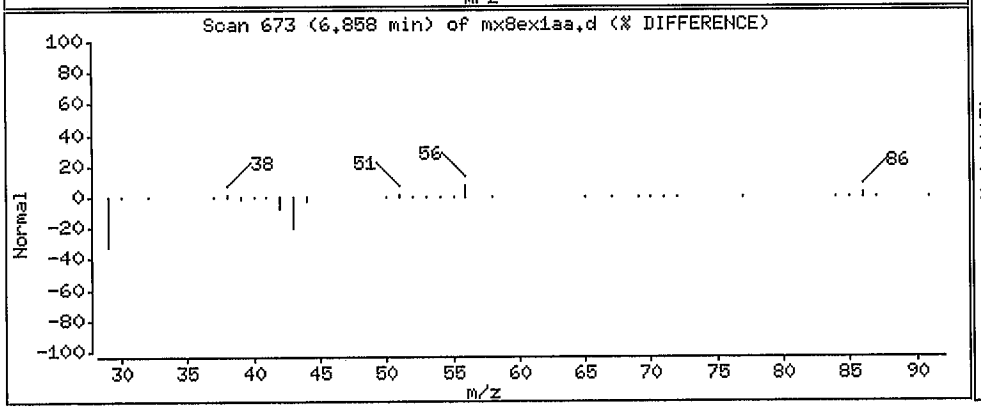












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

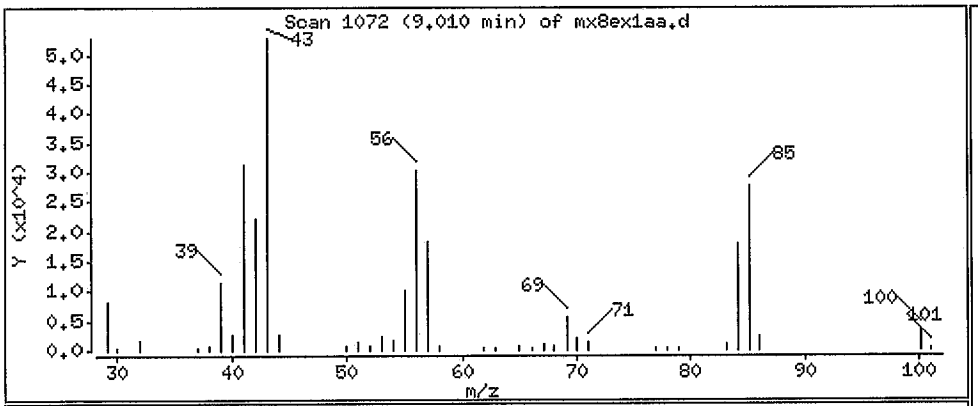
Client ID: 828076-SS-003B4-01 Instrument: mg.i

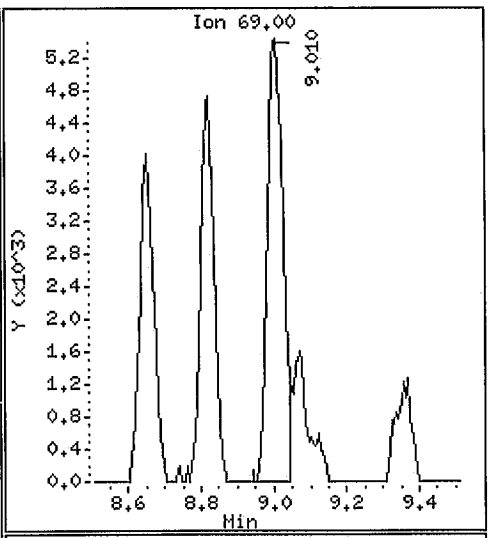
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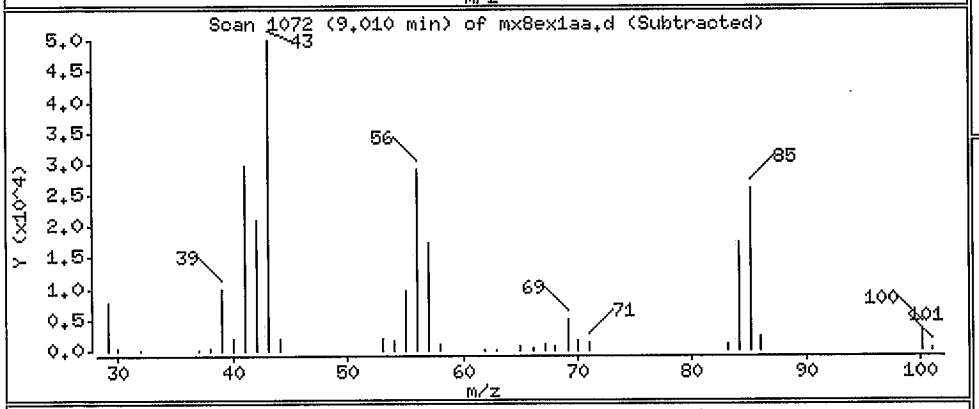
Purge Volume: 500.0 Operator: 7126

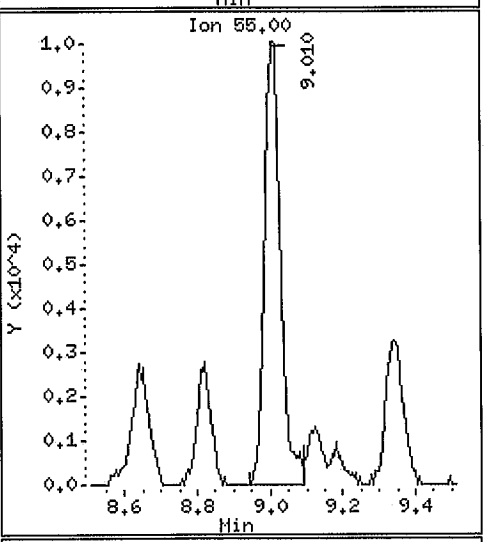
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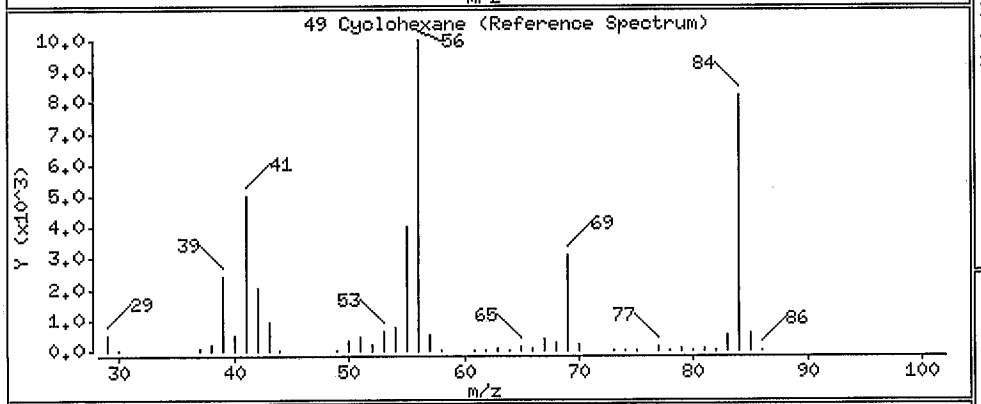
49 Cyclohexane Concentration: 1.172 ppb(v/v)

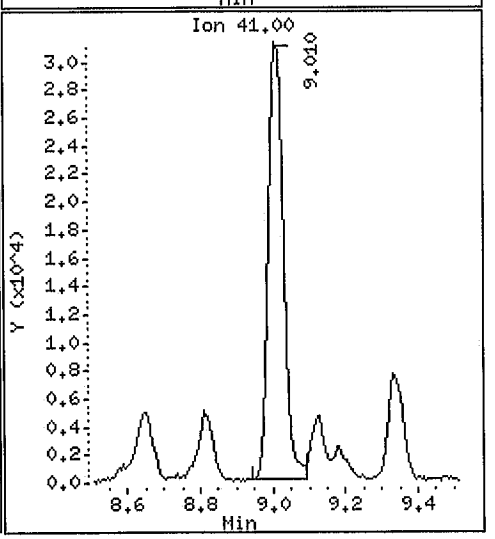


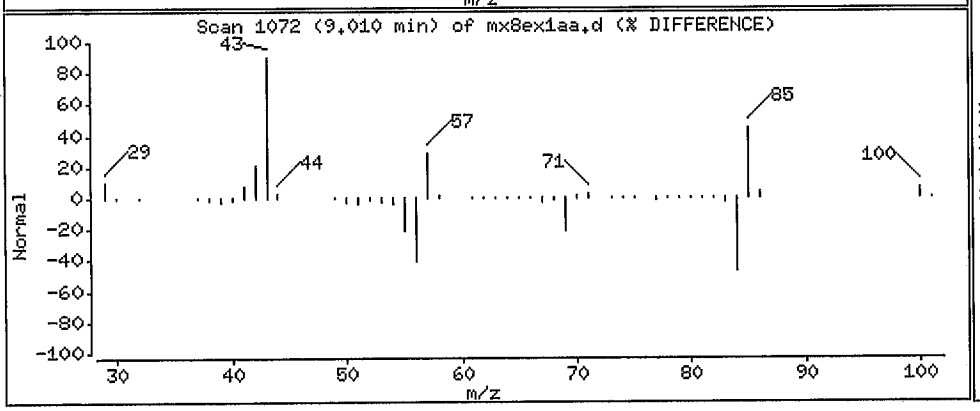












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

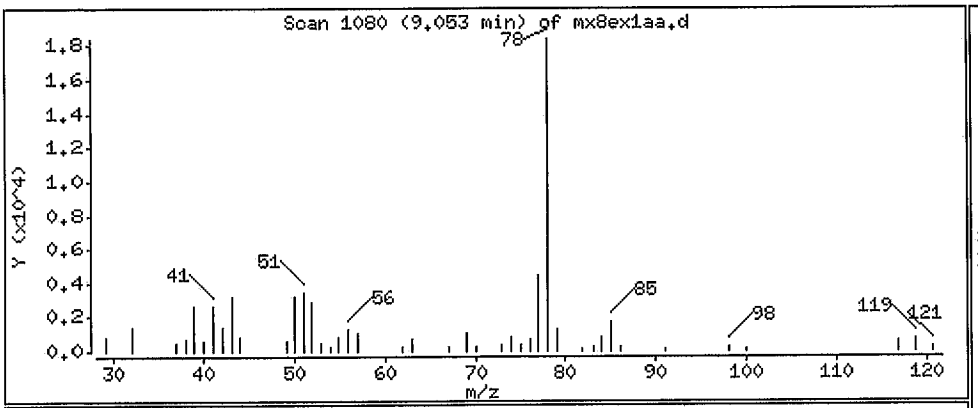
Client ID: 828076-SS-003B4-01 Instrument: mg.i

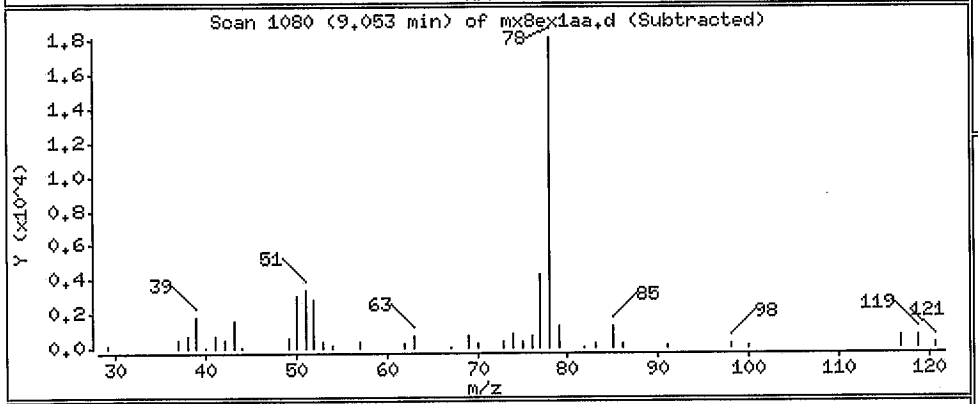
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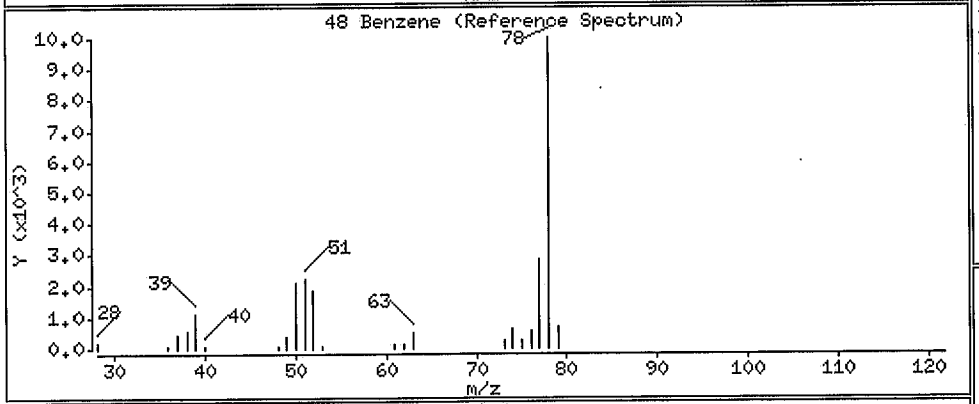
Purge Volume: 500.0 Operator: 7126

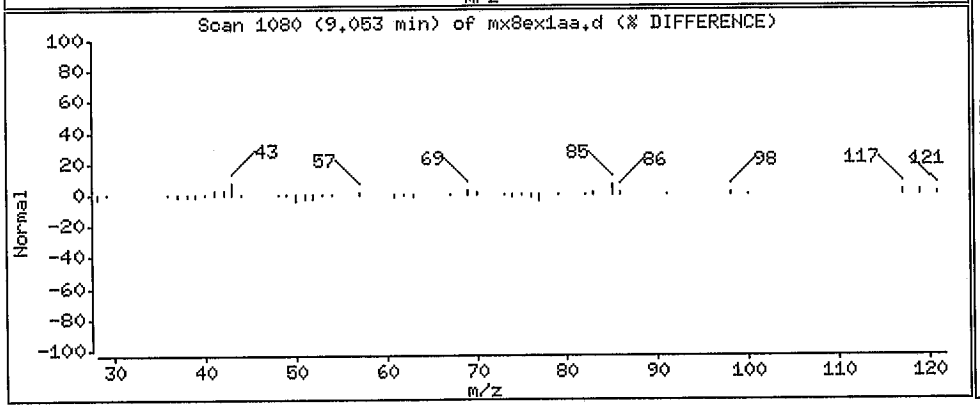
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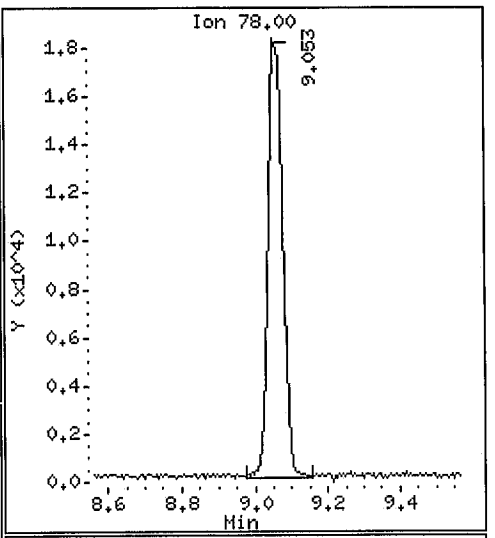
48 Benzene Concentration: 0.6051 ppb(v/v)

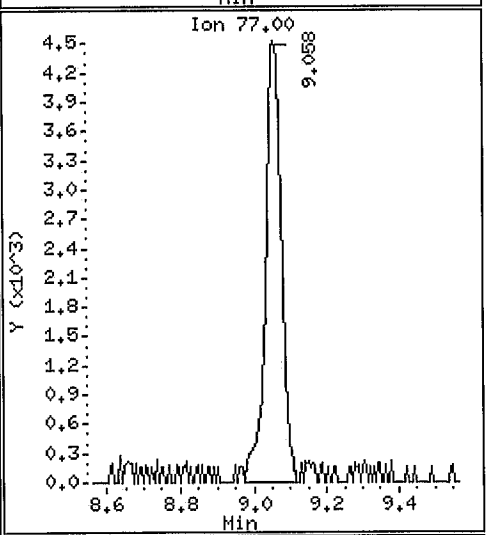


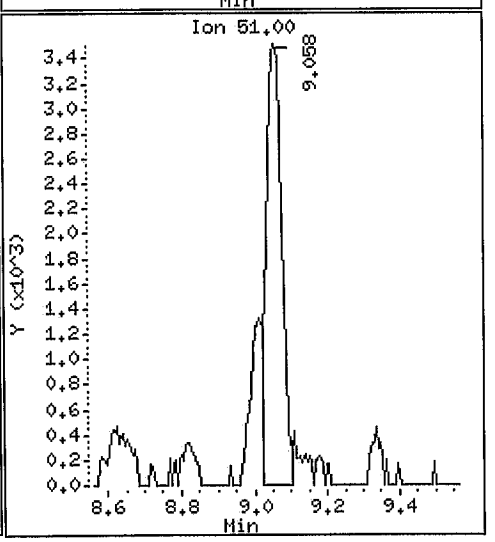












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

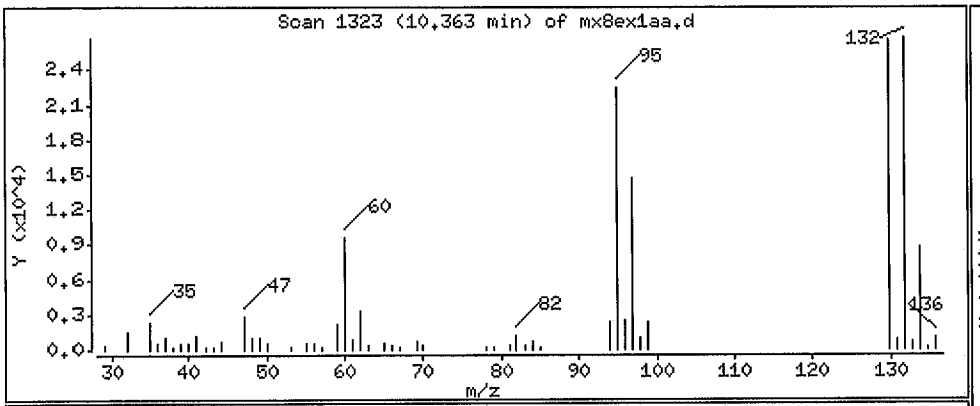
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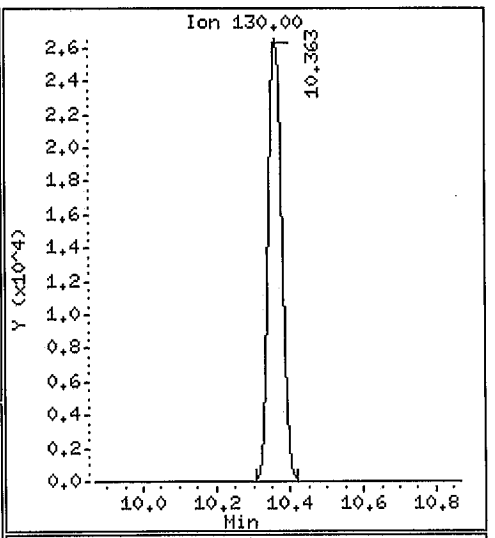
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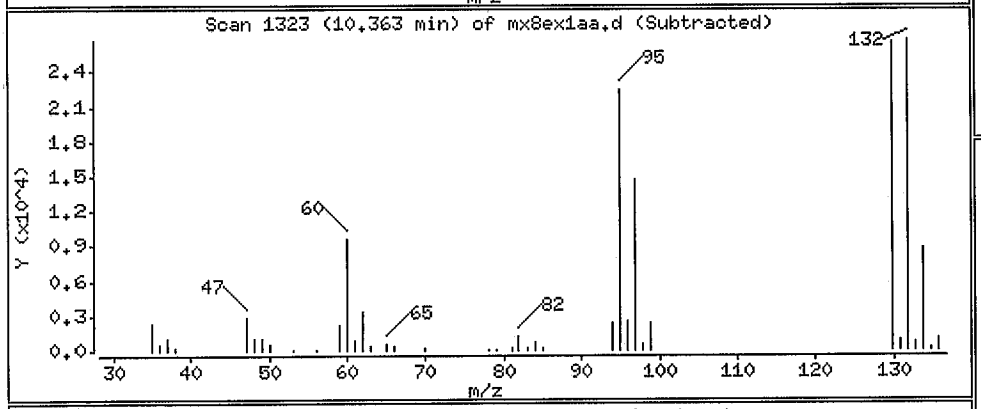
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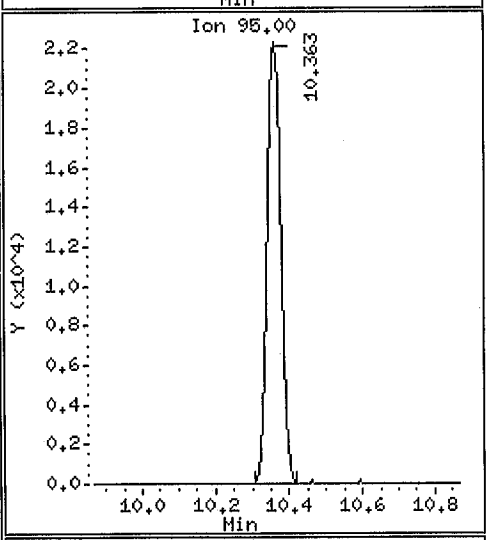
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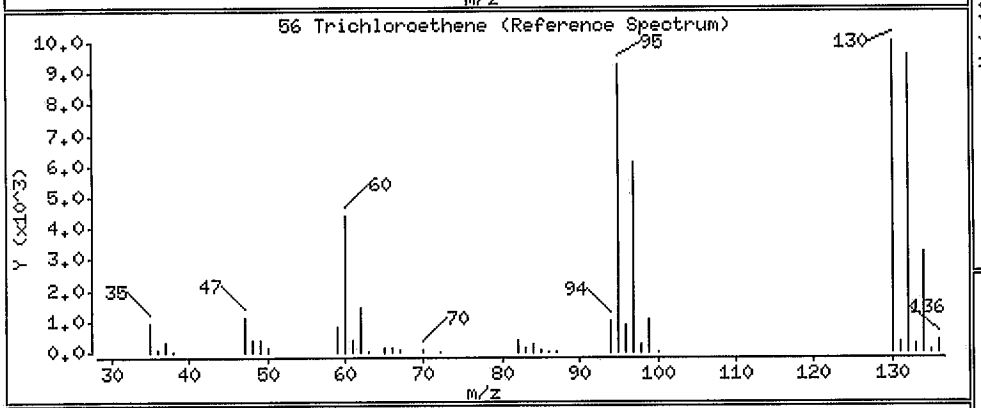
56 Trichloroethene Concentration: 1.445 ppb(v/v)

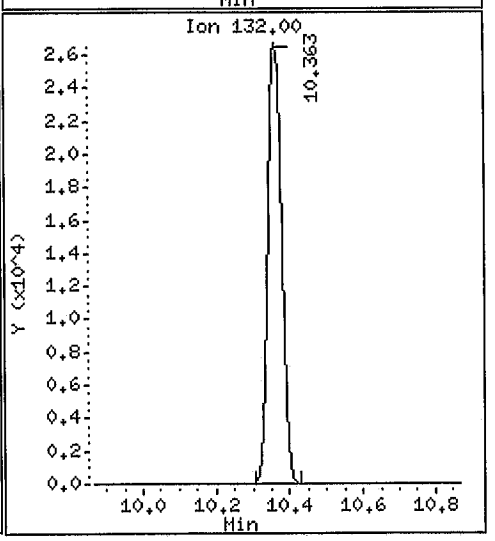


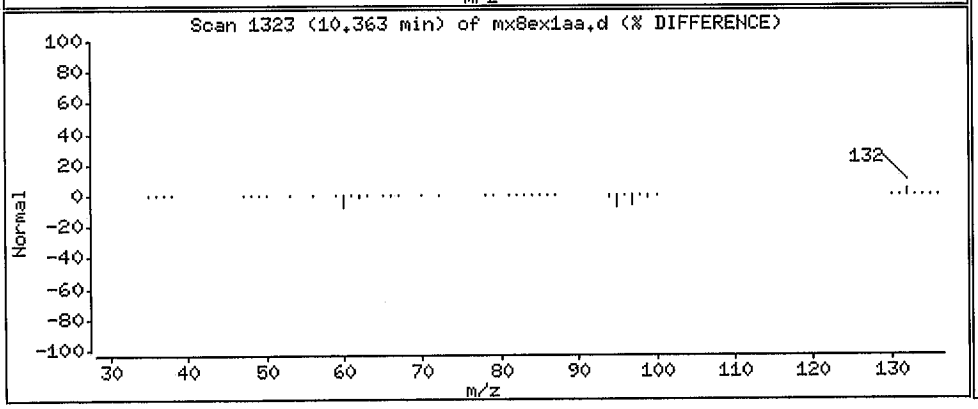












Data File: /var/ohem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

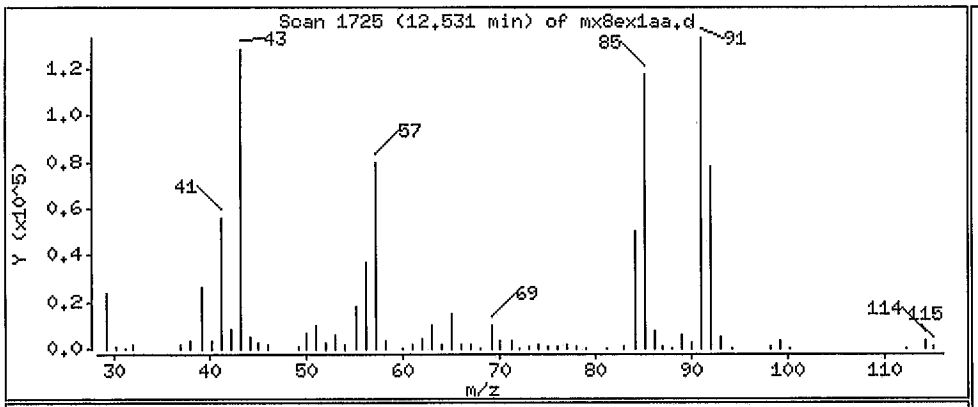
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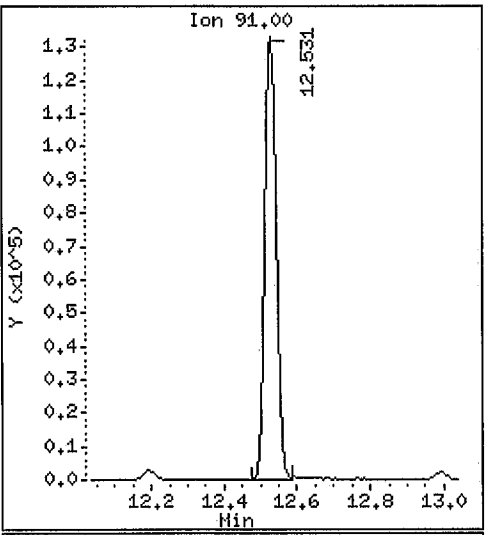
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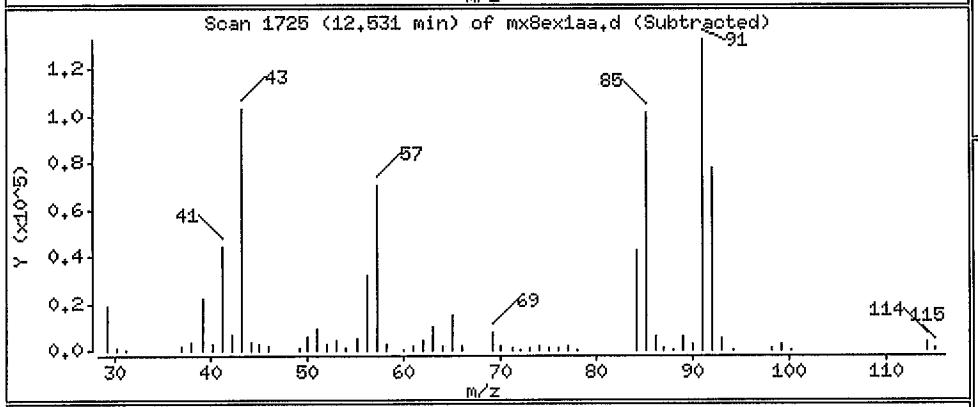
Purge Volume: 500.0 Operator: 7126

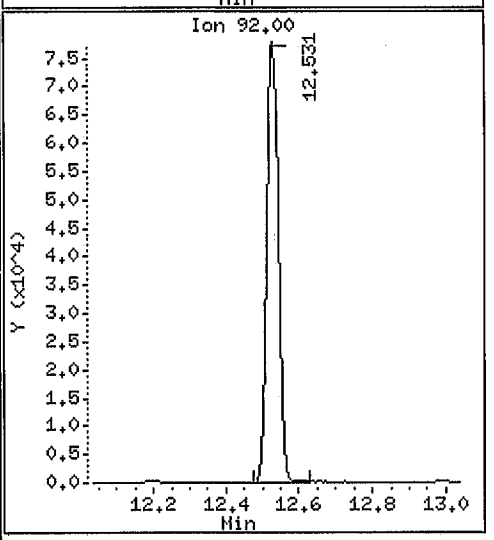
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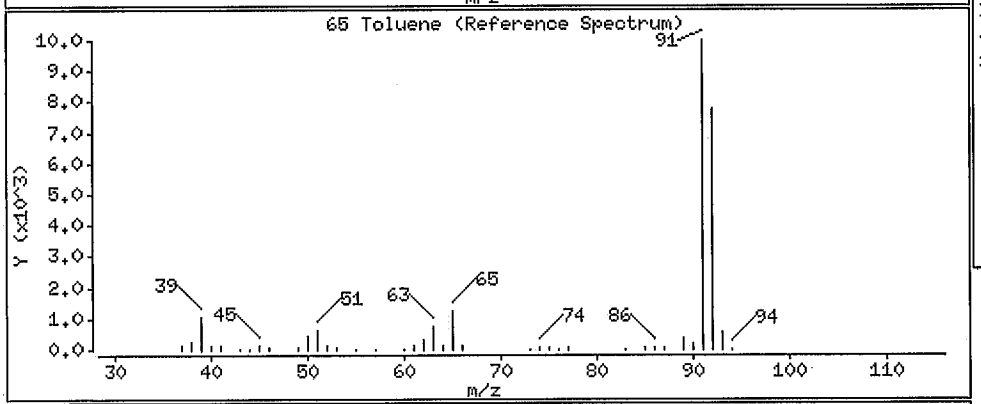
65 Toluene Concentration: 2,940 ppb(v/v)

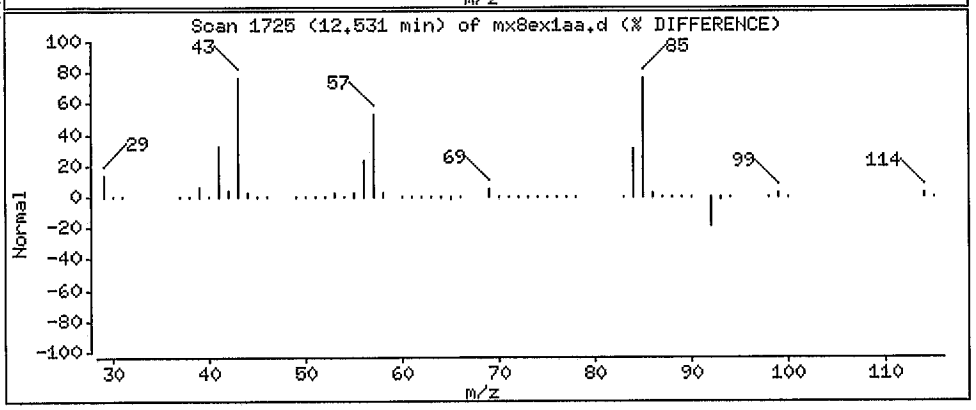












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

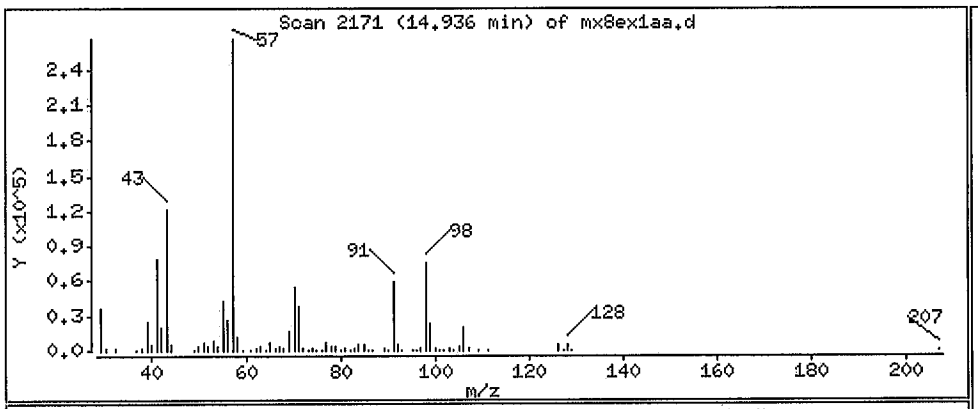
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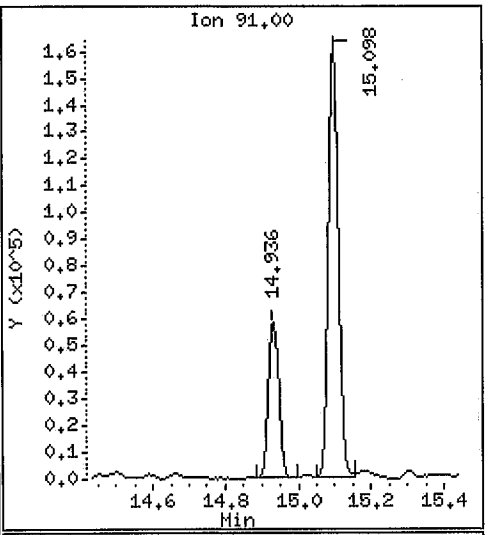
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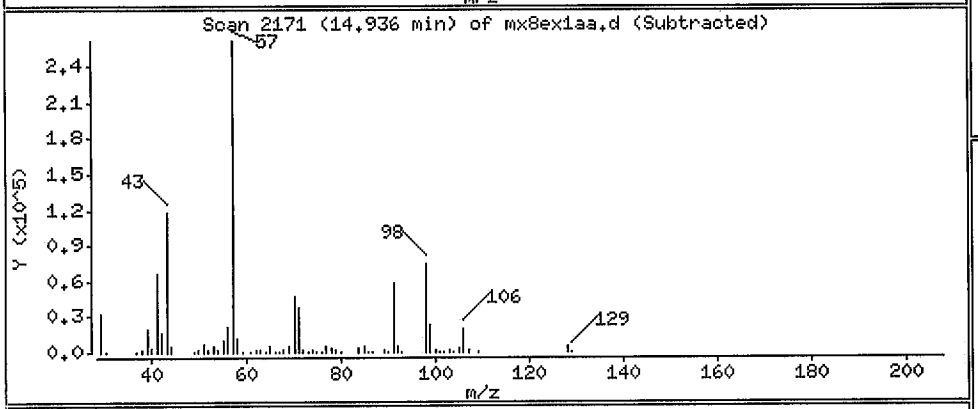
Purge Volume: 500.0 Operator: 7126

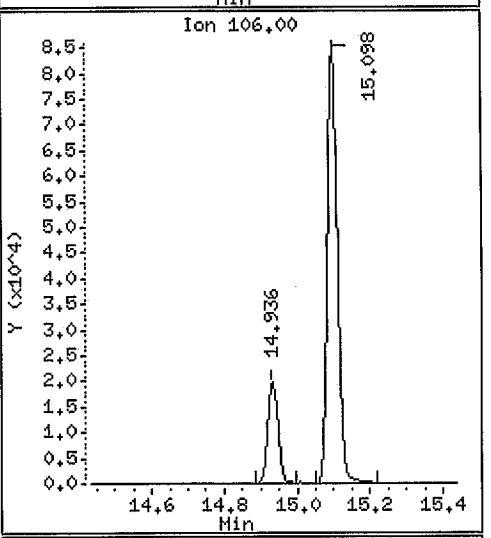
Column phase: Rtx-5 Column diameter: 0.32

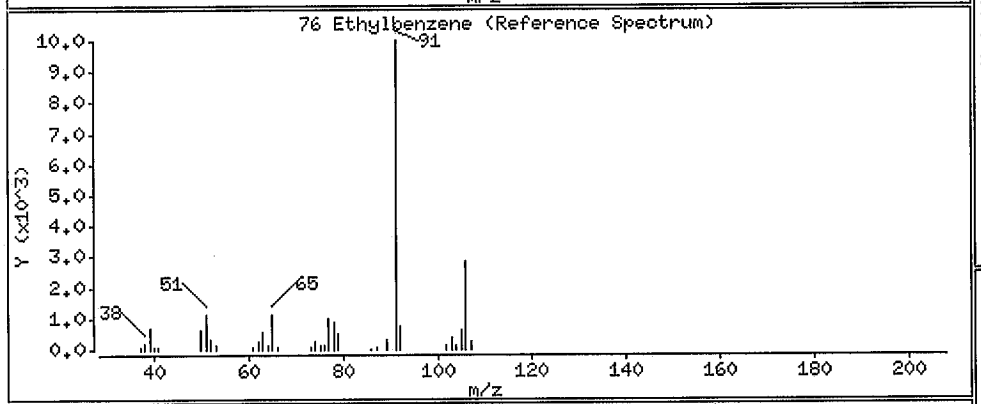
76 Ethylbenzene Concentration: 0.9381 ppb(v/v)

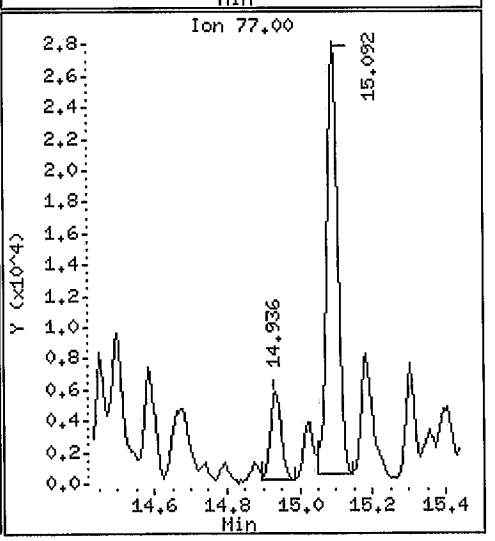


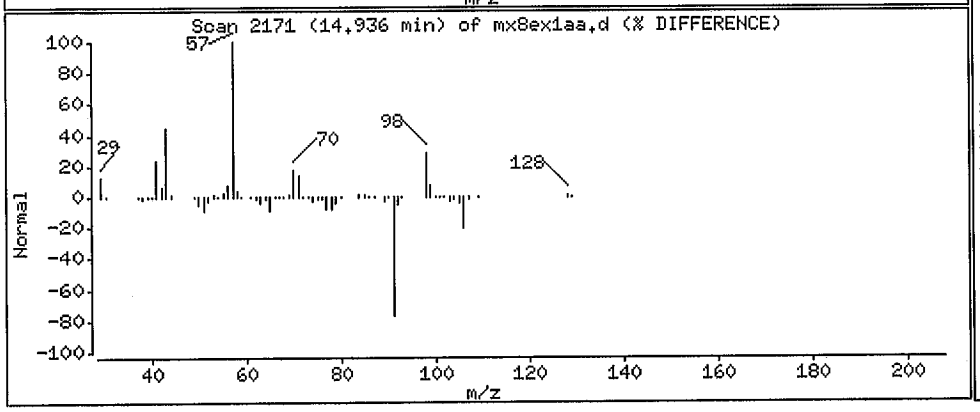












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

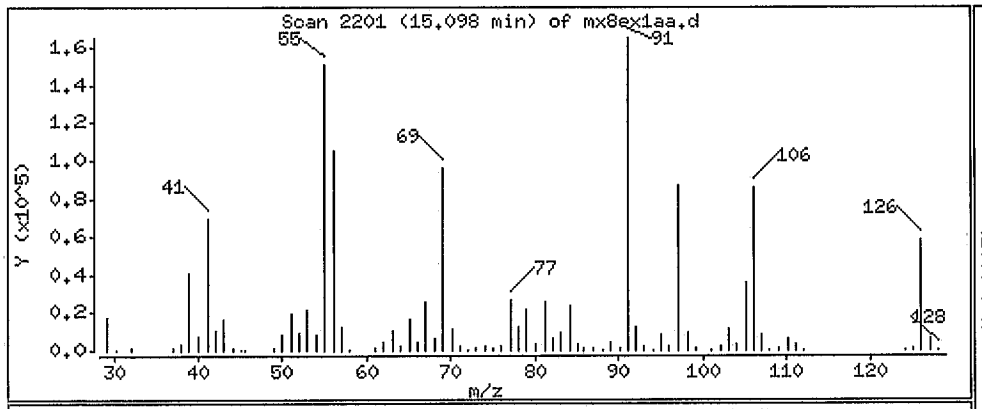
Client ID: 828076-SS-003B4-01 Instrument: mg.i

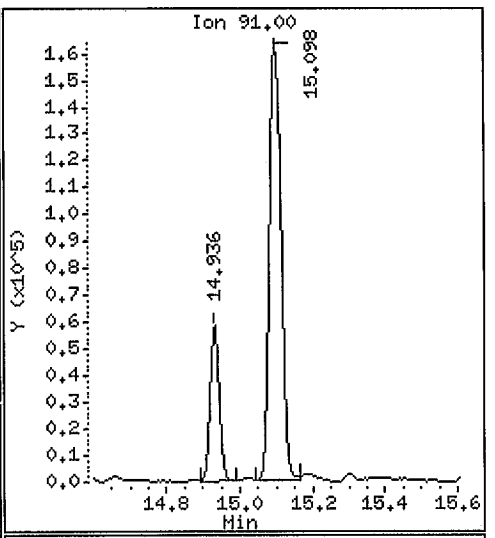
Sample Info: ,5,0,,,

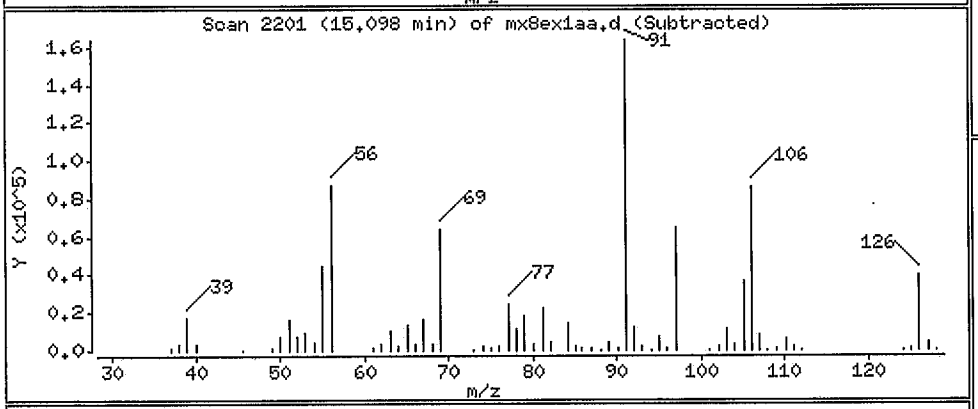
Purge Volume: 500.0 Operator: 7126

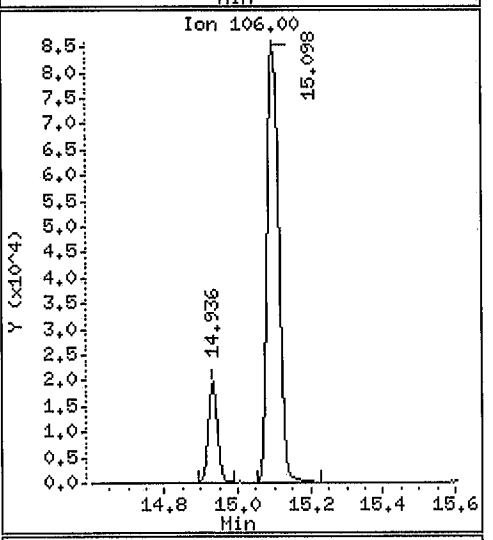
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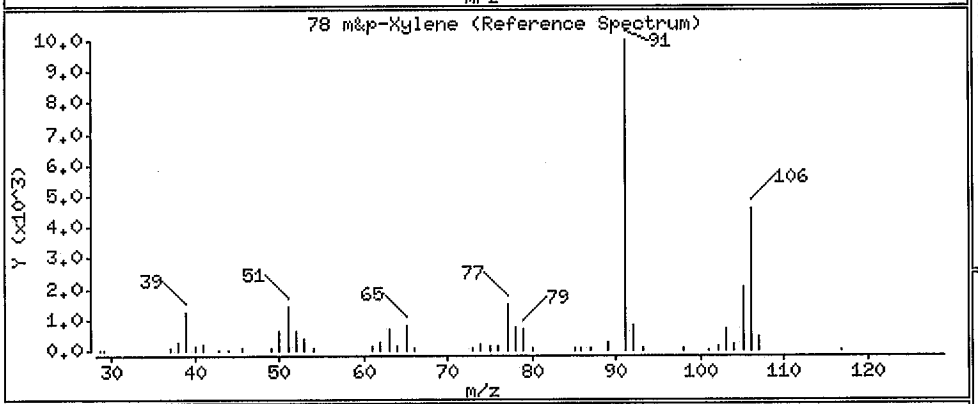
78 m&p-Xylene Concentration: 3.781 ppb(v/v)

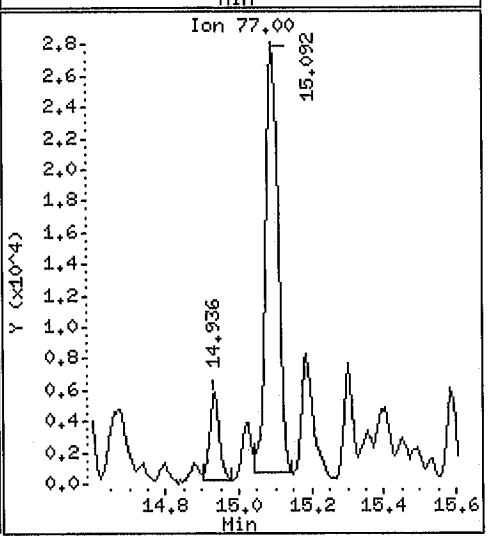


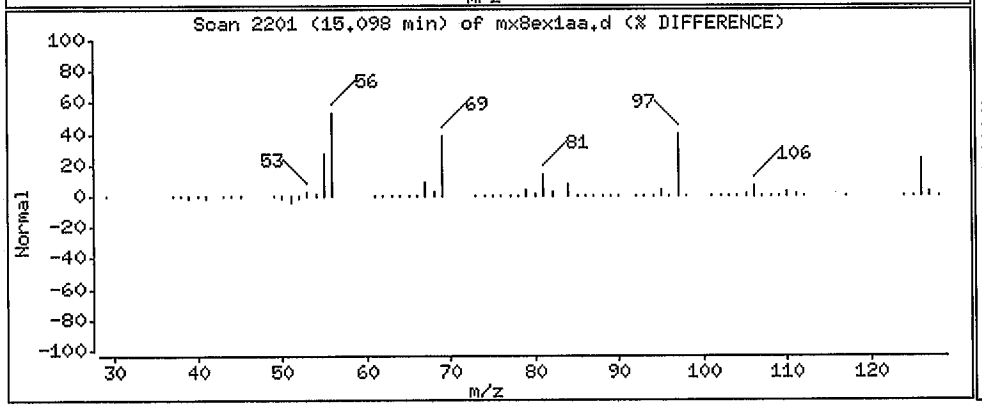












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

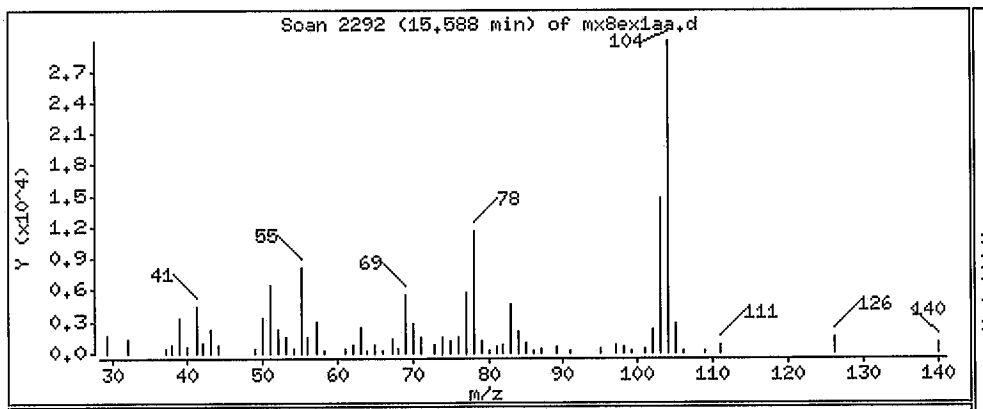
Client ID: 828076-SS-003B4-01 Instrument: mg.i

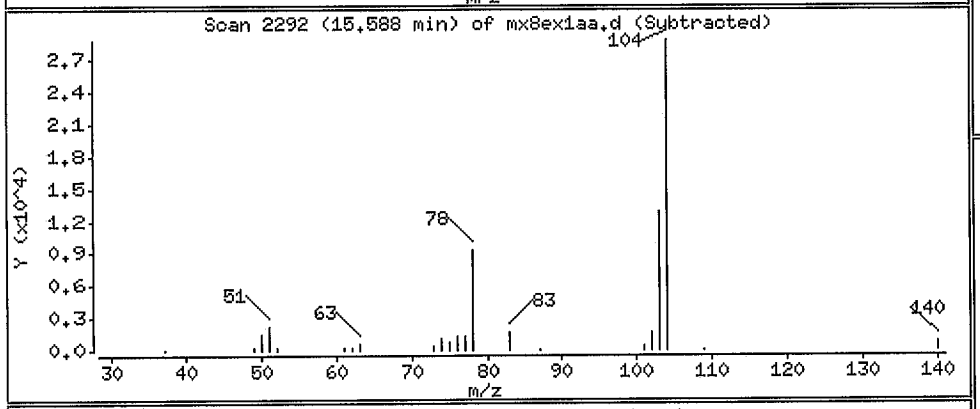
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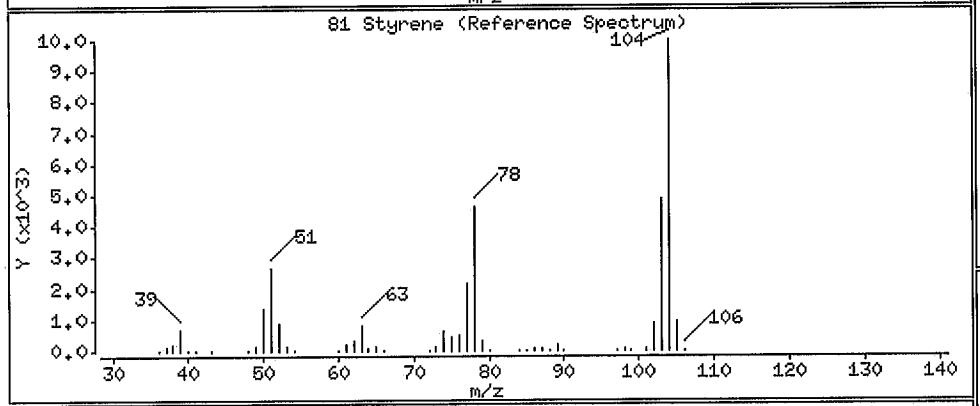
Purge Volume: 500.0 Operator: 7126

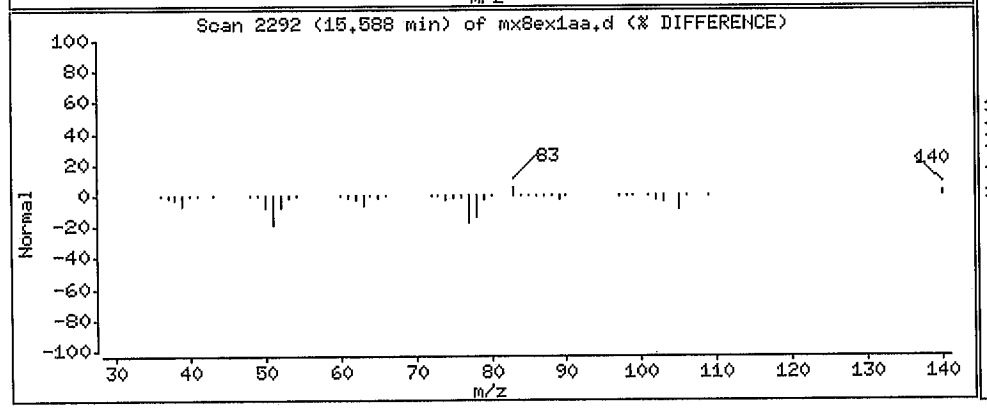
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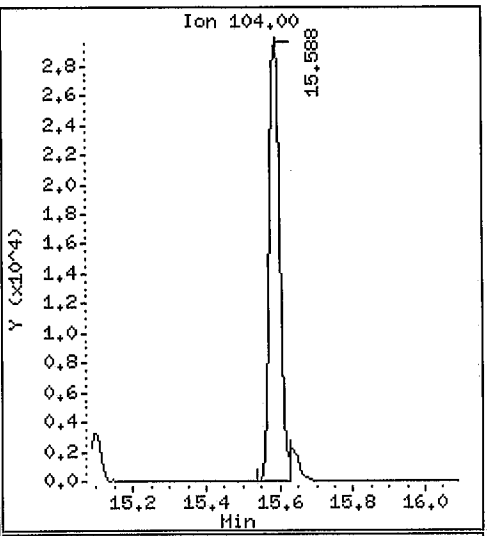
81 Styrene Concentration: 0.8574 ppb(v/v)

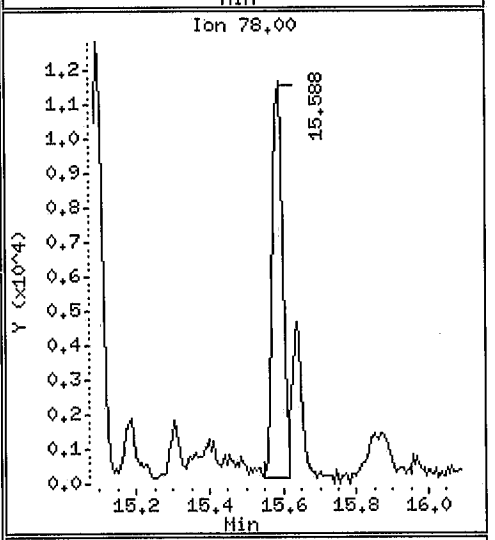


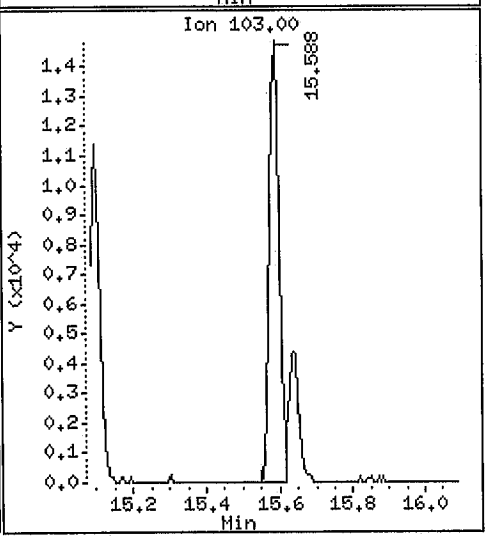












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

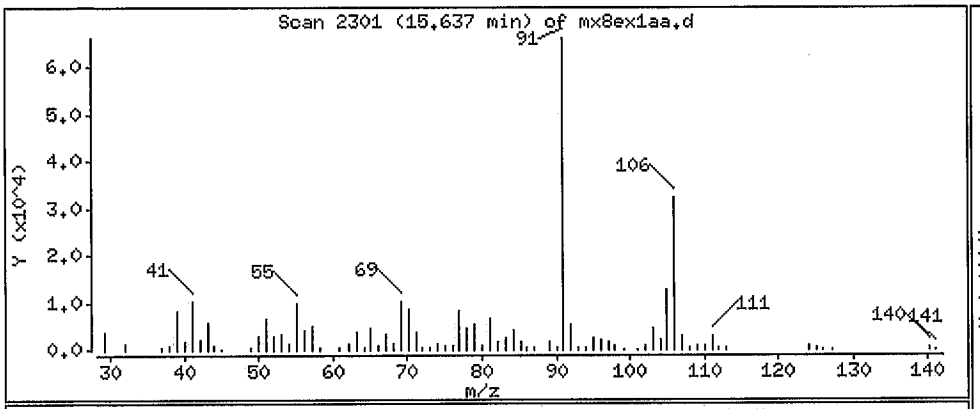
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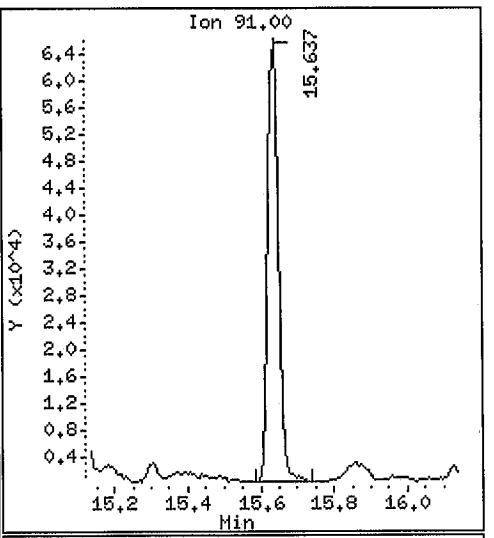
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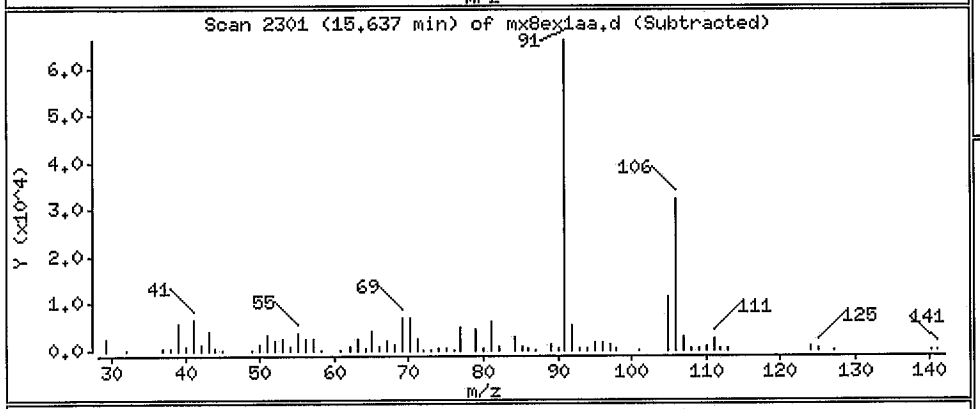
Purge Volume: 500.0 Operator: 7126

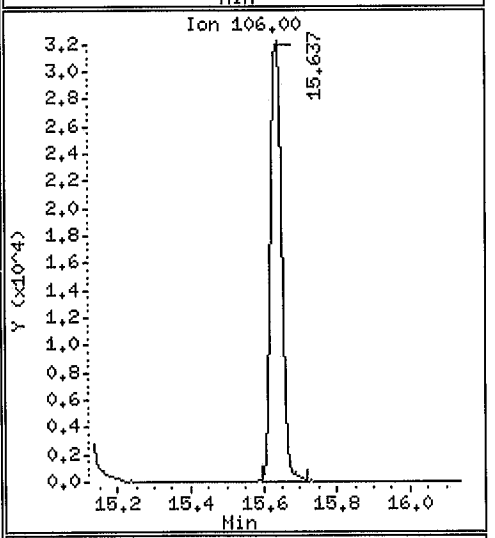
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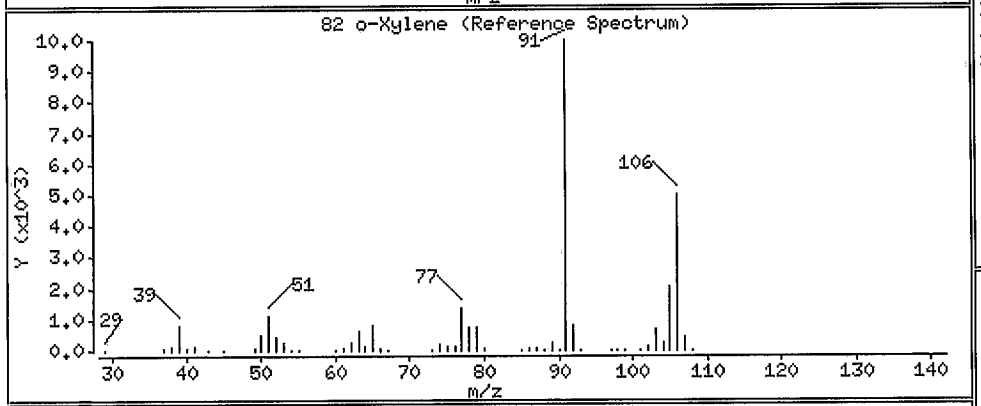
82 o-Xylene Concentration: 1.349 ppb(v/v)

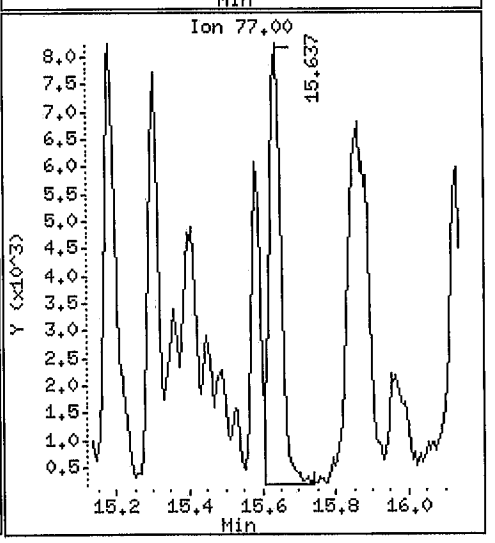


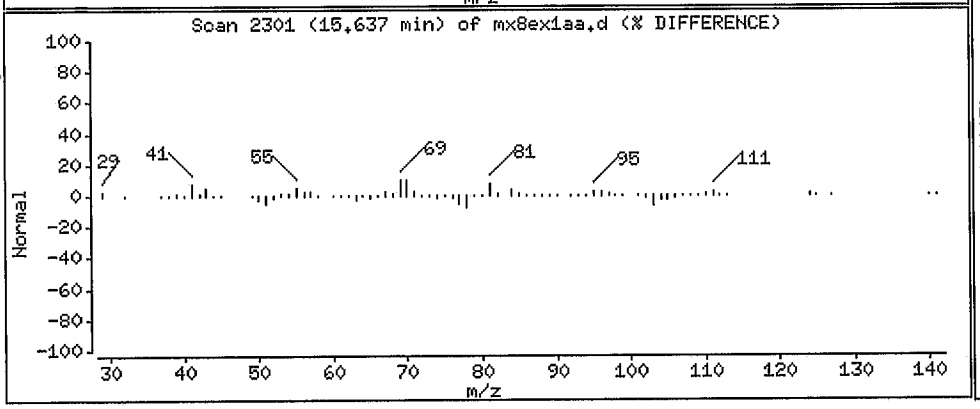












Data File: /var/chem/gcms/mg.i/G030113A.b/mx8ex1aa.d

Date : 01-MAR-2013 18:41

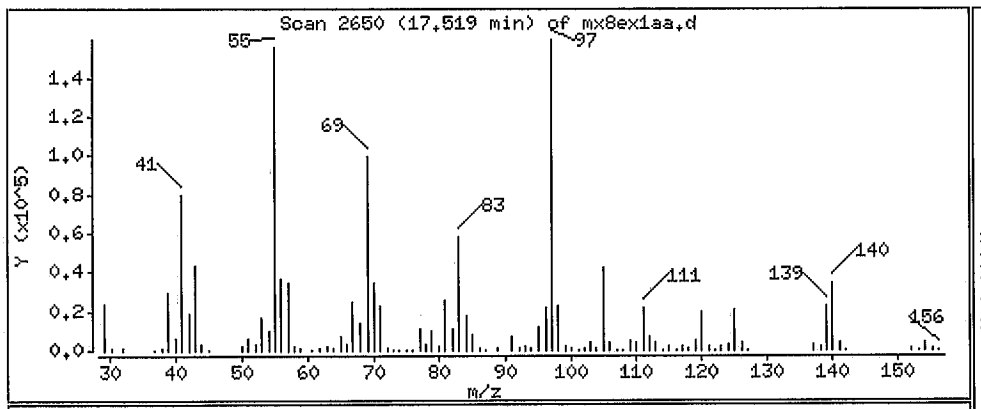
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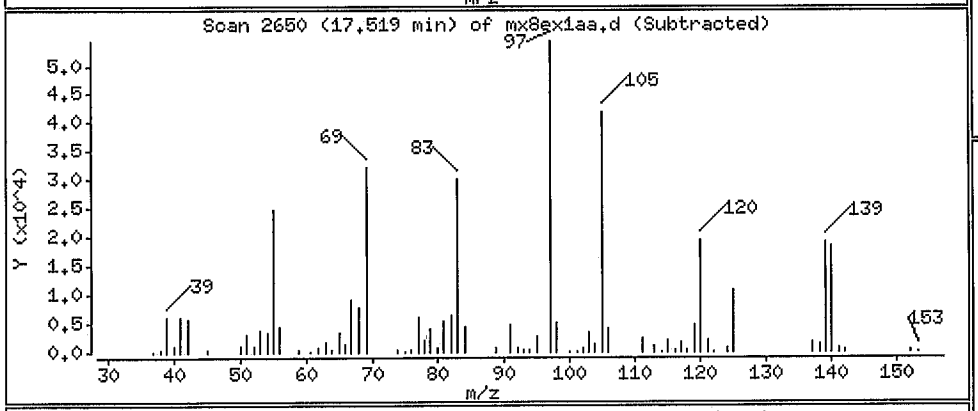
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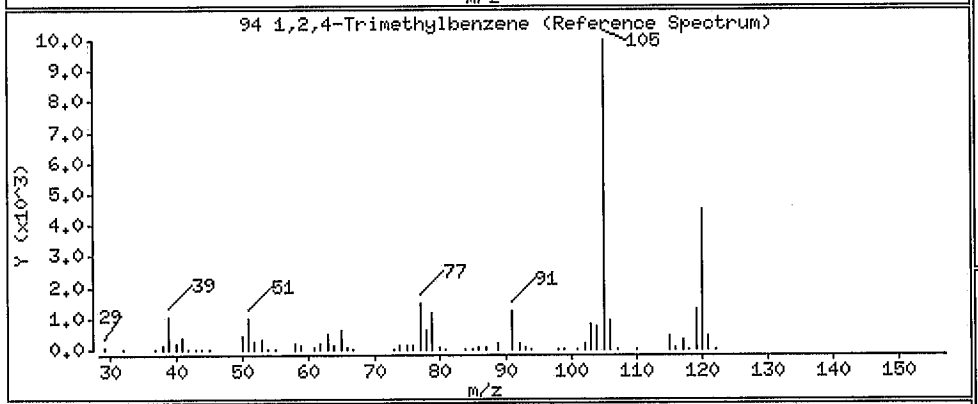
Purge Volume: 500.0 Operator: 7126

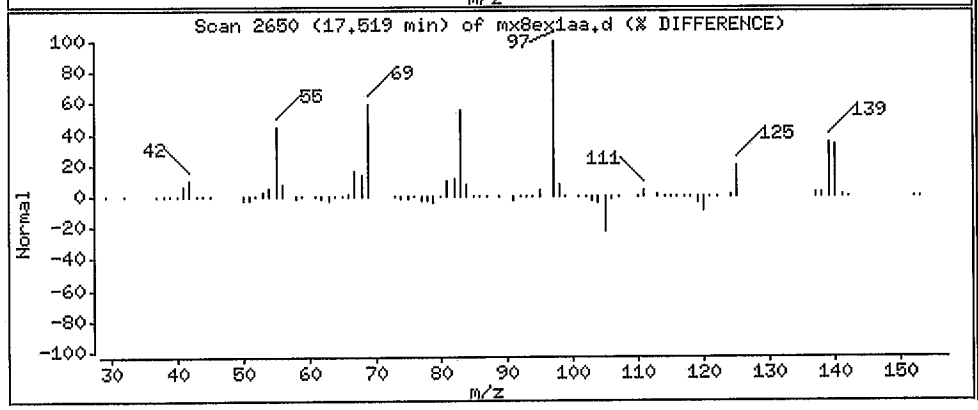
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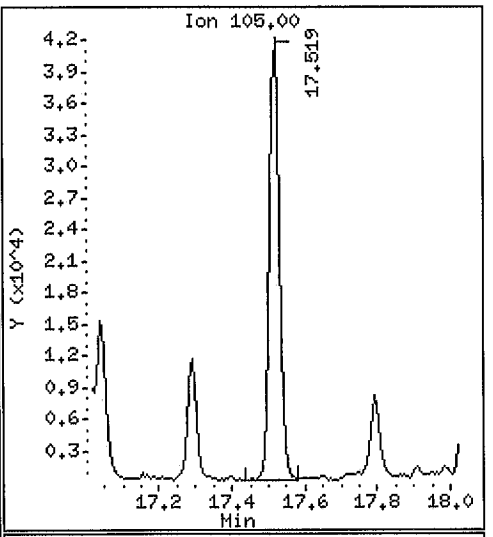
94 1,2,4-Trimethylbenzene Concentration: 0.7078 ppb(v/v)

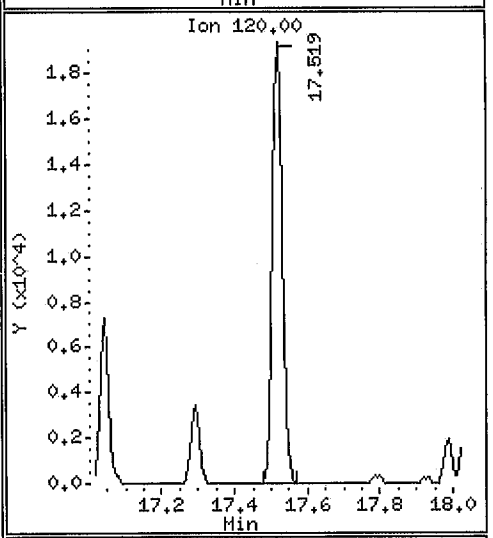


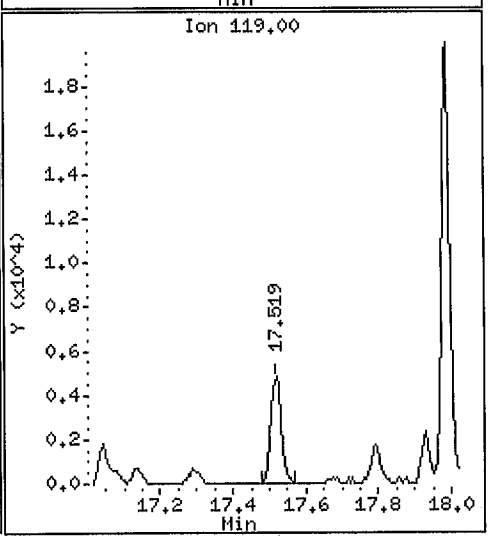












New York State D.E.C.

Client Sample ID: 828076-IA-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 017 **Work Order #** MX8E01AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.086**	**0.080**	**0.42**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**9.0**	**0.32**	**27**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.18**	**0.080**	**0.56**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.083**	**0.040**	**0.52**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.56**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.45**	**0.080**	**2.2**	**0.40**
Ethanol	**15**	**0.80**	**29**	**1.5**
Ethylbenzene	**0.10**	**0.080**	**0.43**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 017 **Work Order #** MX8E01AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.49**	**0.080**	**1.9**	**0.30**
m-Xylene & p-Xylene	**0.31**	**0.080**	**1.3**	**0.35**
o-Xylene	**0.12**	**0.080**	**0.52**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.24**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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/mr.i/R022813.b/mx8e01aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d
Lab Smp Id: MX8E01AA Client Smp ID: 828076-IA-003B4-02
Inj Date : 01-MAR-2013 05:08
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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	9.094	9.088	(1.000)	318095	4.00000	4.000	
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1600489	4.00000	4.000	
*	3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1247527	4.00000	4.000	
$	4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	912022	4.17564	4.176	
	7 Dichlorodifluoromethane	85	4.241	4.241	(0.466)	148032	0.44659	0.4466	
	8 Chloromethane	52	4.419	4.419	(0.486)	22690	0.56000	0.5600	
	20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	75793	0.23535	0.2353	
	33 Carbon Disulfide	76	6.824	6.824	(0.750)	5580	0.01525	0.01525	NA
	39 2-Butanone	72	8.344	8.344	(0.918)	577048	9.03529	9.035	
	44 Tetrahydrofuran	42	9.493	9.498	(1.044)	1044547	7.26312	7.263	NA
	48 Benzene	78	10.706	10.706	(0.950)	71159	0.17565	0.1756	
	50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	17442	0.08334	0.08334	
	54 Heptane	71	11.968	11.968	(1.062)	11055	0.07777	0.07776	
	65 Toluene	91	14.632	14.632	(0.837)	254701	0.49207	0.4921	
	69 2-Hexanone	58	15.284	15.273	(0.874)	4391	0.02786	0.02786	NA
	76 Ethylbenzene	91	18.051	18.067	(1.033)	64823	0.09973	0.09972	

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d
Report Date: 01-Mar-2013 11:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
78 m&p-Xylene	91	18.315	18.336	(1.048)	155279	0.30945	0.3094
82 o-Xylene	91	19.178	19.194	(1.097)	62373	0.12049	0.1205
89 4-Ethyltoluene	105	21.442	21.453	(1.227)	20307	0.02650	0.02650
94 1,2,4-Trimethylbenzene	105	22.435	22.445	(1.284)	54489	0.08617	0.08617
17 ~ ethanol	31	5.238	5.222	(0.576)	660275	15.1348	15.13

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8e01aa.d
Lab Smp Id: MX8E01AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B4-02
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	318095	-27.27
2 1,4-Difluorobenze	2178721	1296339	3061103	1600489	-26.54
3 Chlorobenzene-d5	1632809	971521	2294097	1247527	-23.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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.

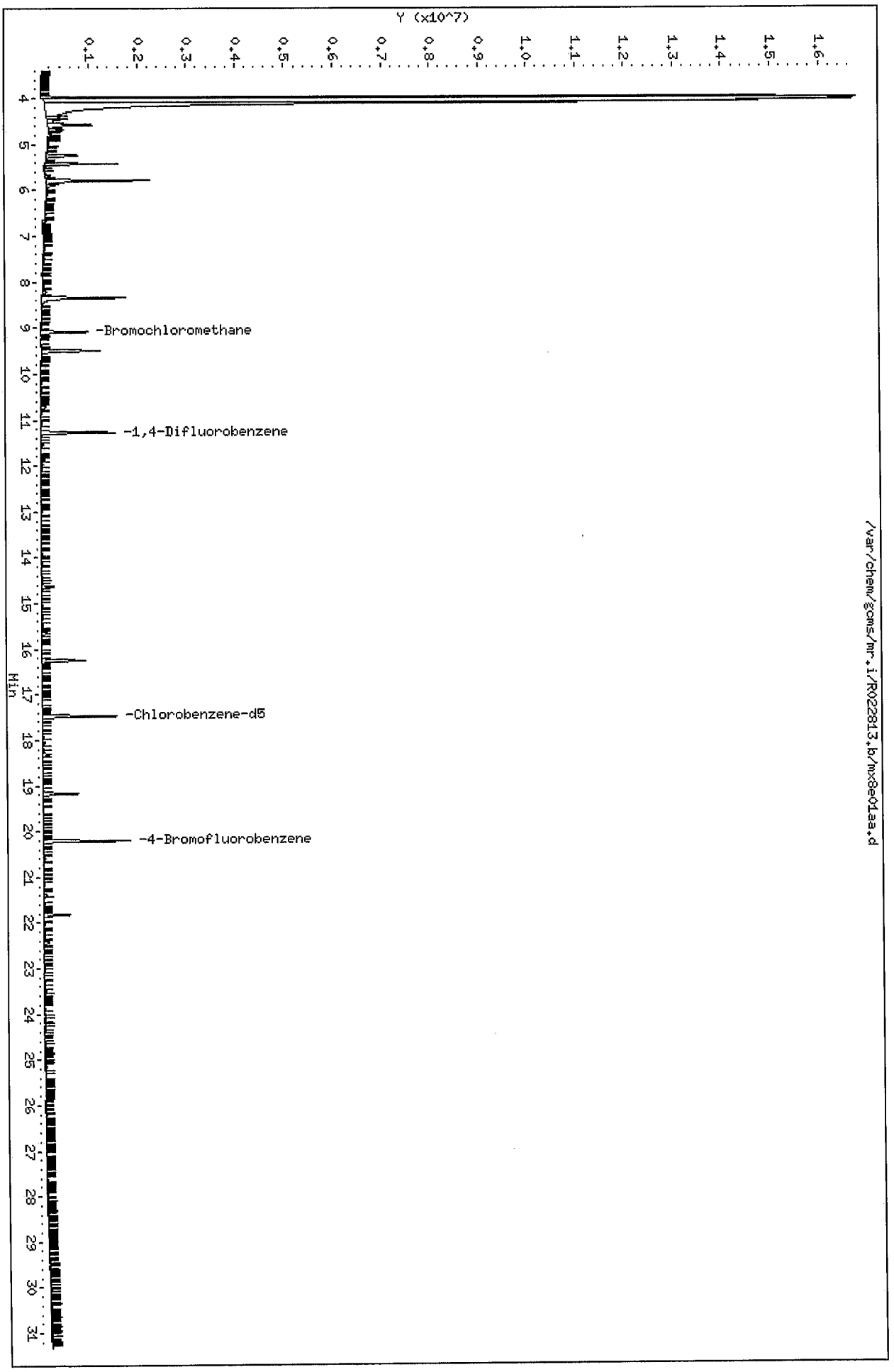
Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E01AA Client Smp ID: 828076-IA-003B4-02
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.176	104.39	70-130


Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d
Date : 01-MAR-2013 05:08
Client ID: 828076-IA-003B4-02
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mr.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mr.i/R022813.b/mx8e01aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

Client ID: 828076-IA-003B4-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

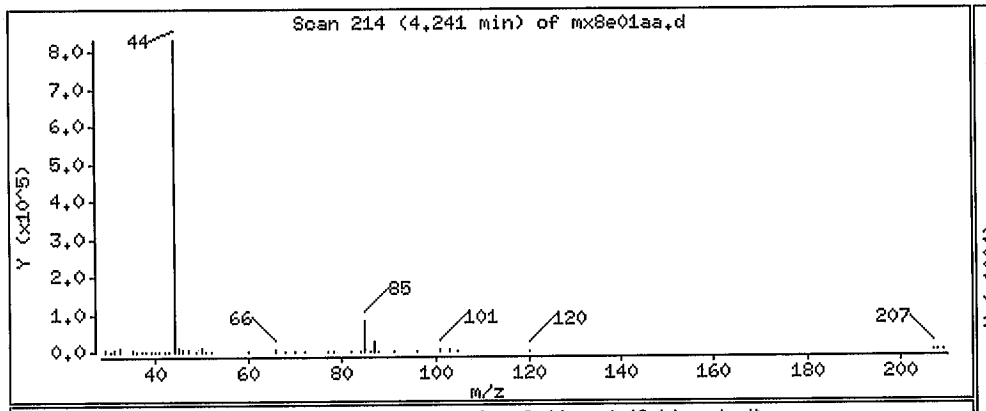
Operator: 403648

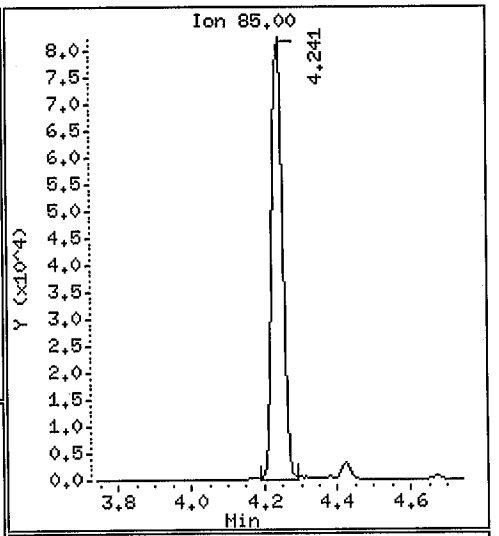
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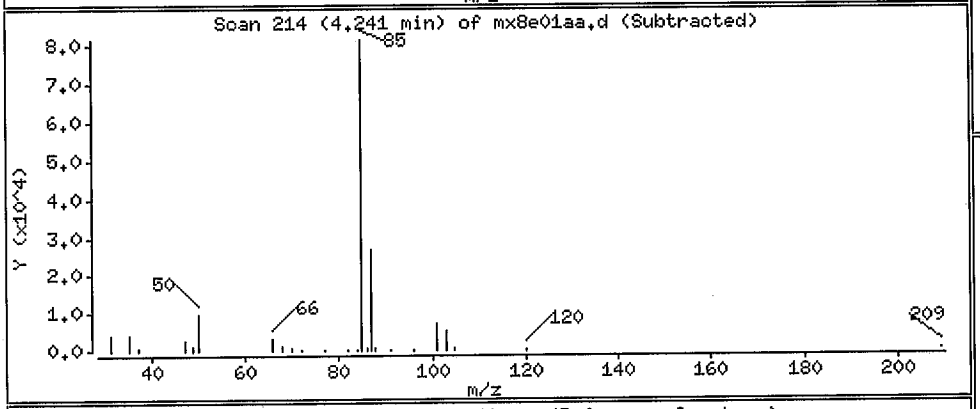
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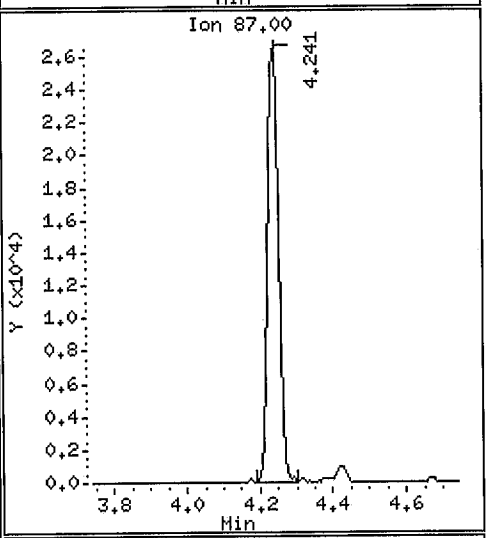
7 Dichlorodifluoromethane

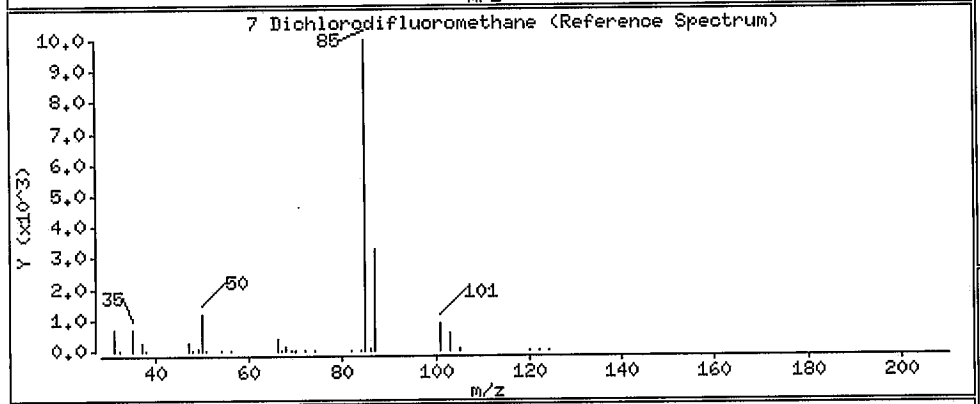
Concentration: 0.4466 ppb(v/v)

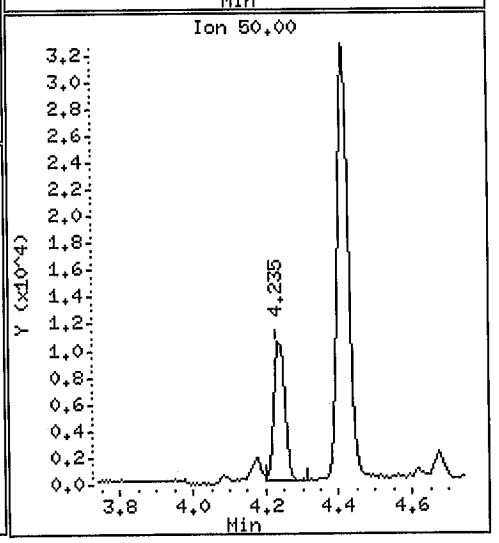


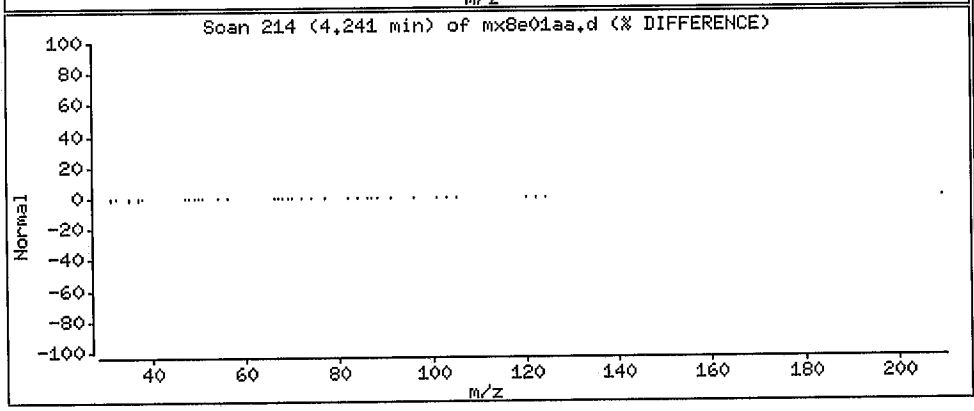












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Date : 01-MAR-2013 05:08

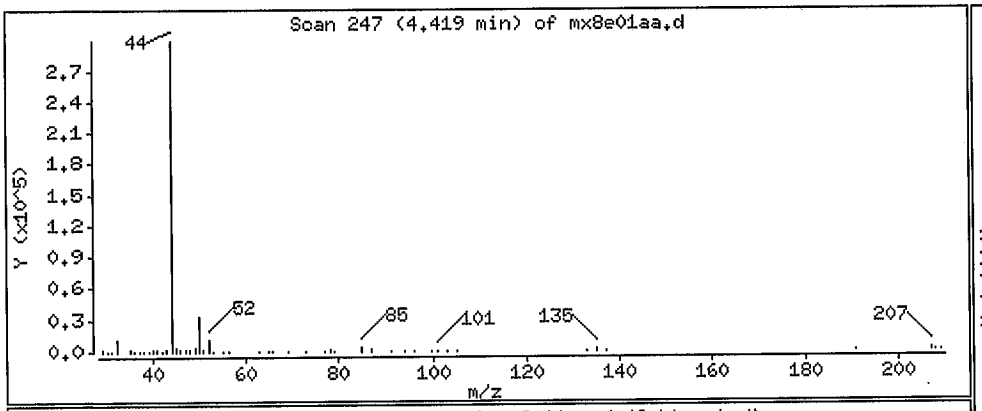
Client ID: 828076-IA-003B4-02 Instrument: mr.i

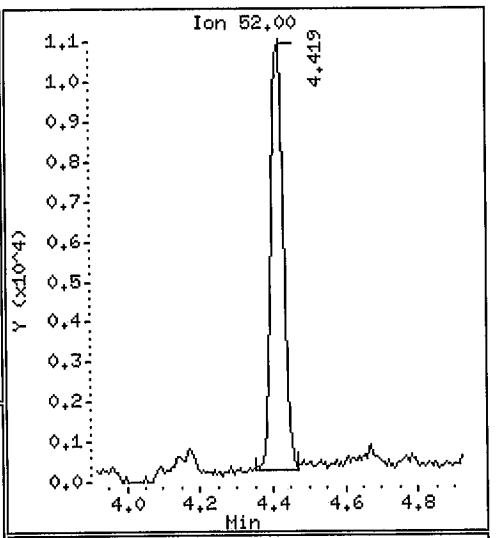
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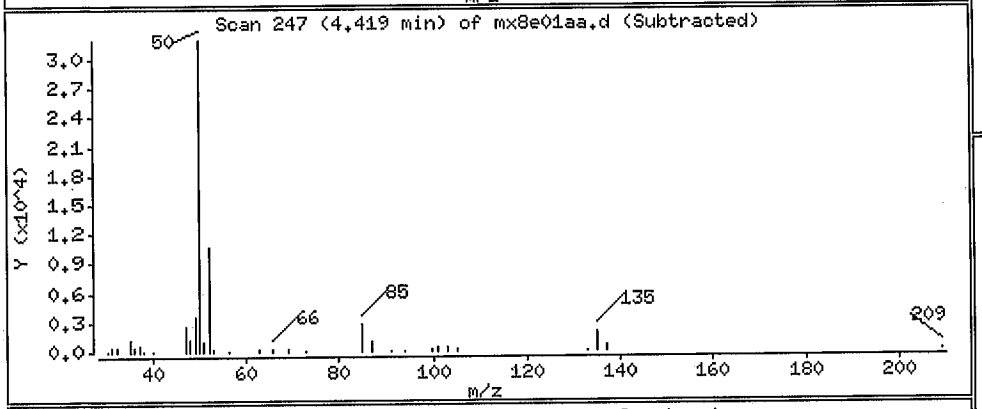
Purge Volume: 500.0 Operator: 403648

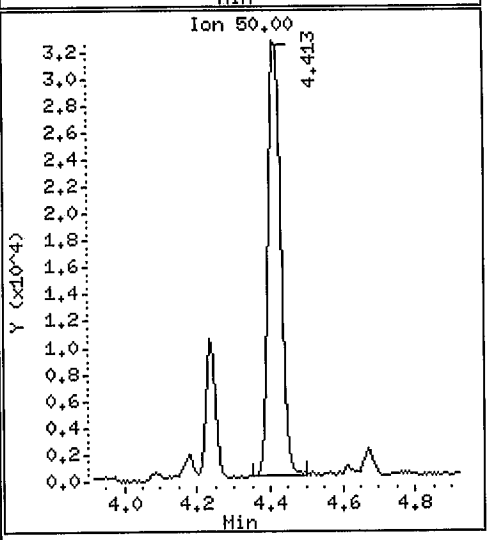
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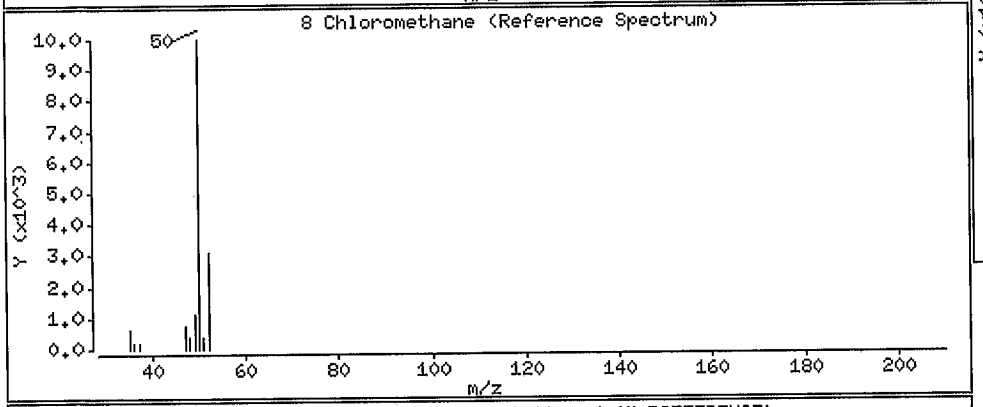
8 Chloromethane Concentration: 0.5600 ppb(v/v)

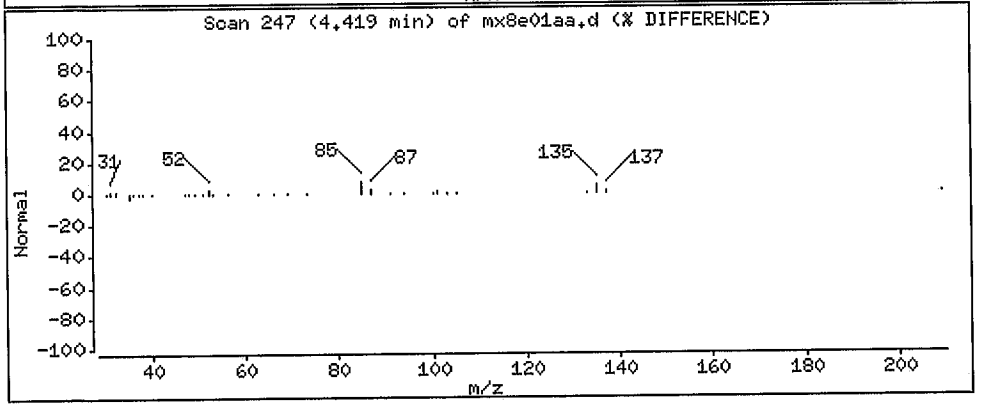












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

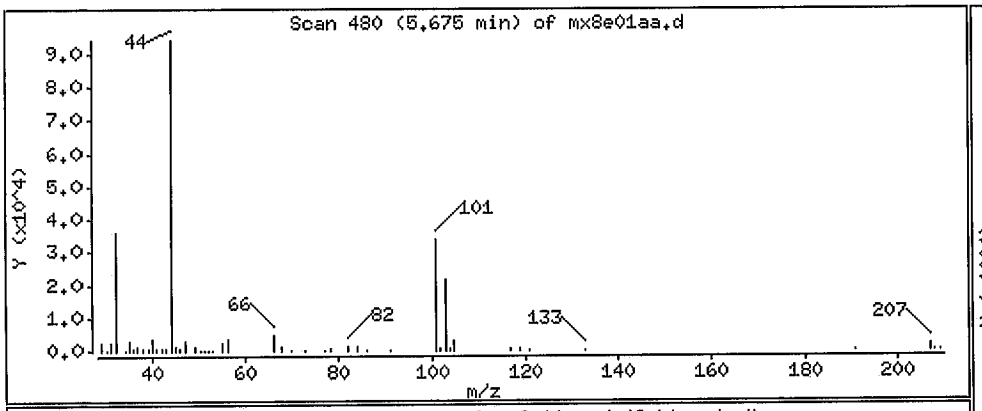
Client ID: 828076-IA-003B4-02 Instrument: mr.i

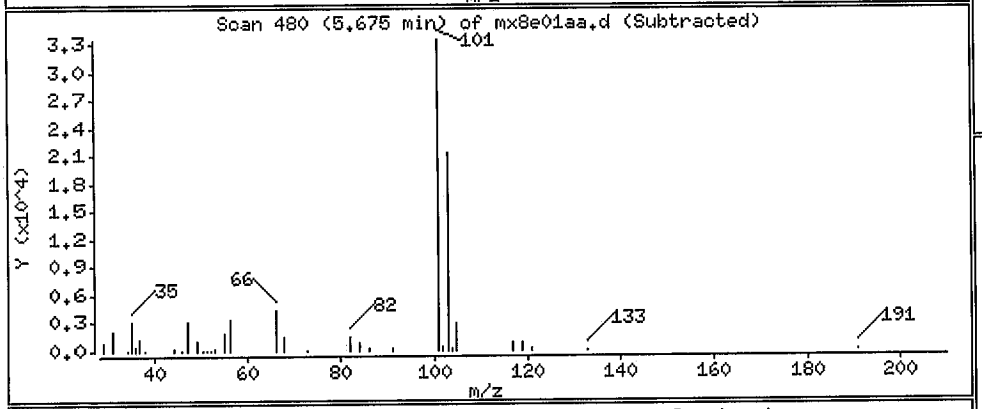
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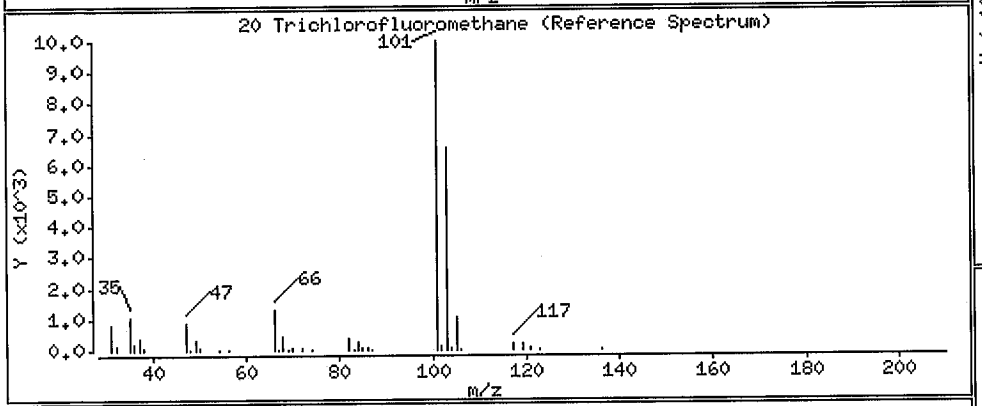
Purge Volume: 500.0 Operator: 403648

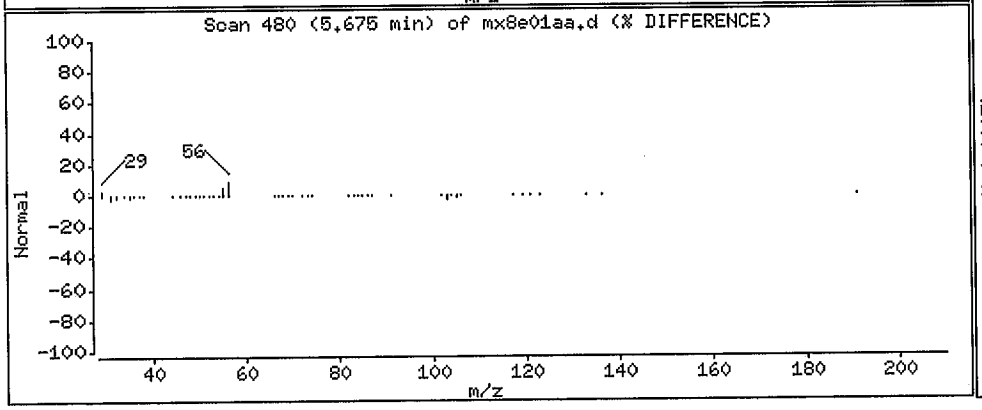
Column phase: Rtx-5 Column diameter: 0.32

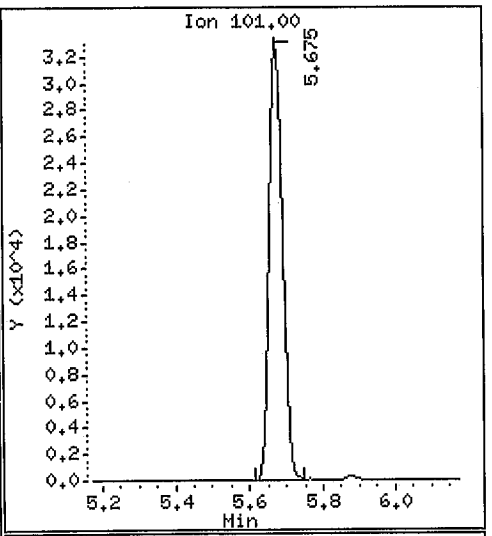
20 Trichlorofluoromethane Concentration: 0.2353 ppb(v/v)

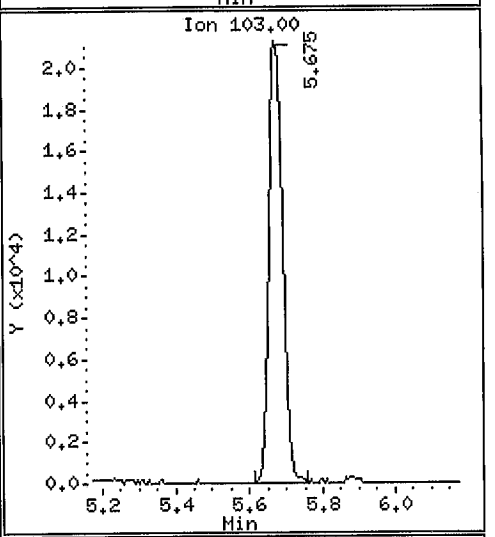


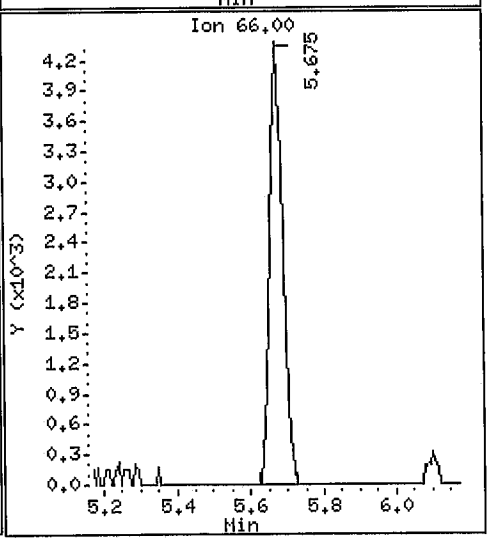












Data File: /var/chem/goms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

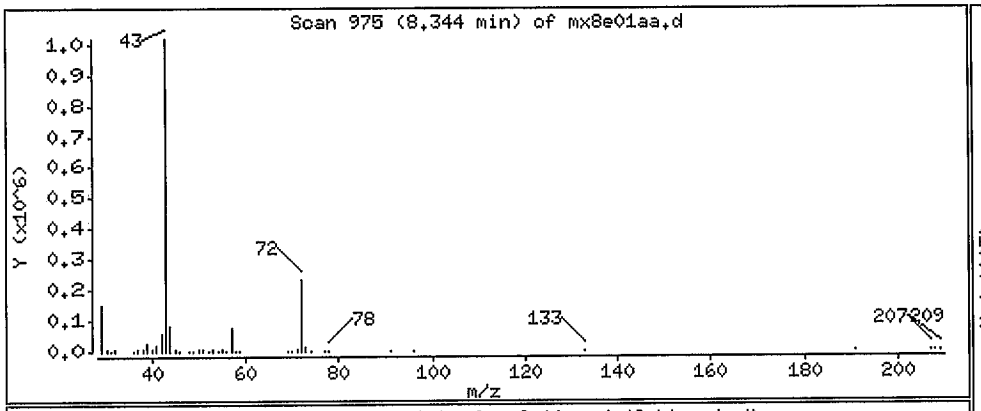
Client ID: 828076-IA-003B4-02 Instrument: mr.i

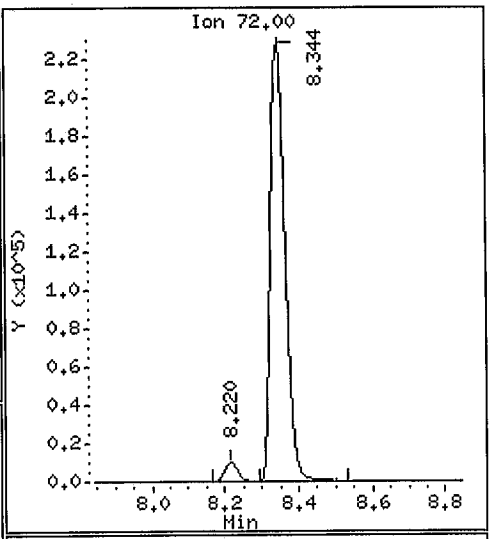
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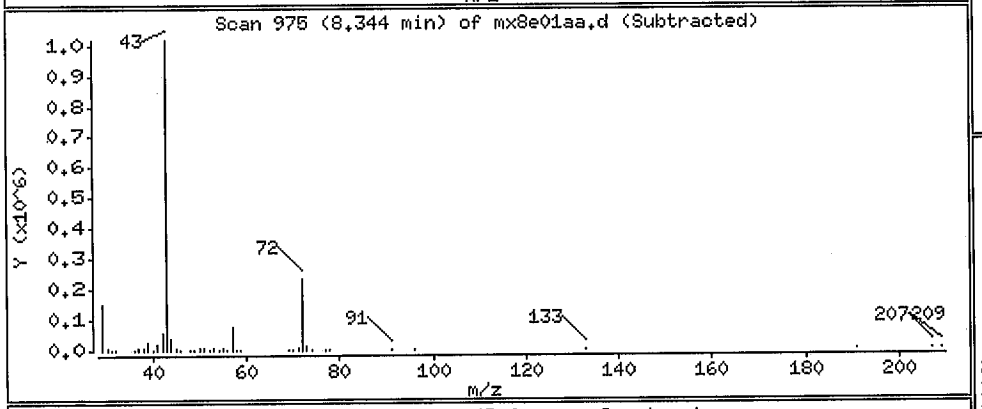
Purge Volume: 500.0 Operator: 403648

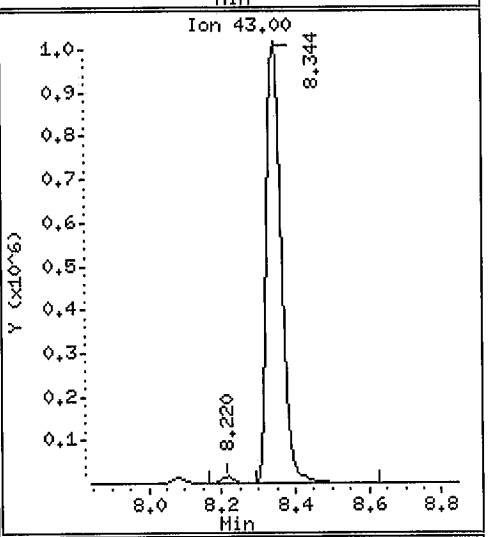
Column phase: Rtx-5 Column diameter: 0.32

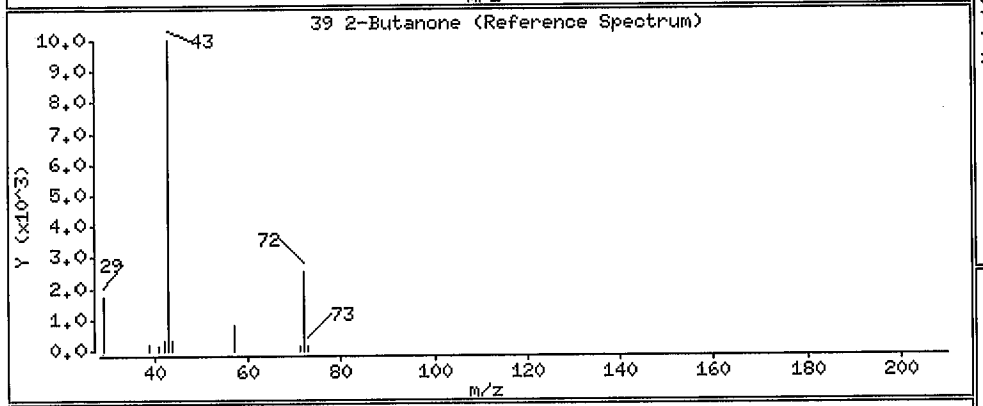
39 2-Butanone Concentration: 9.035 ppb(v/v)

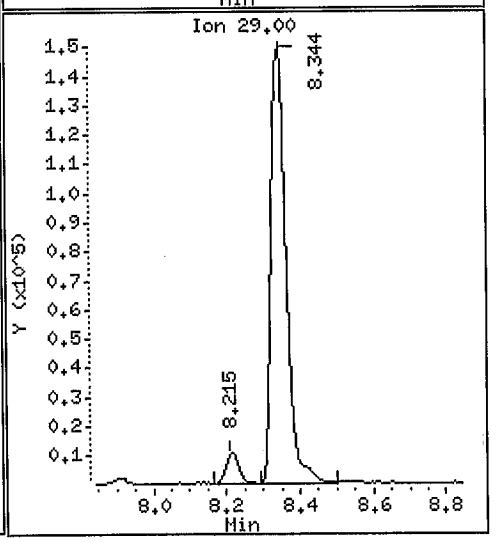


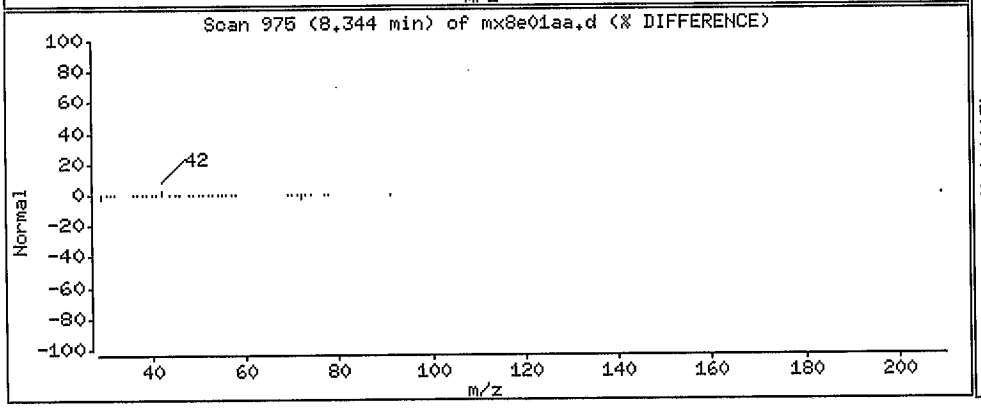












Data File: /var/chem/goms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

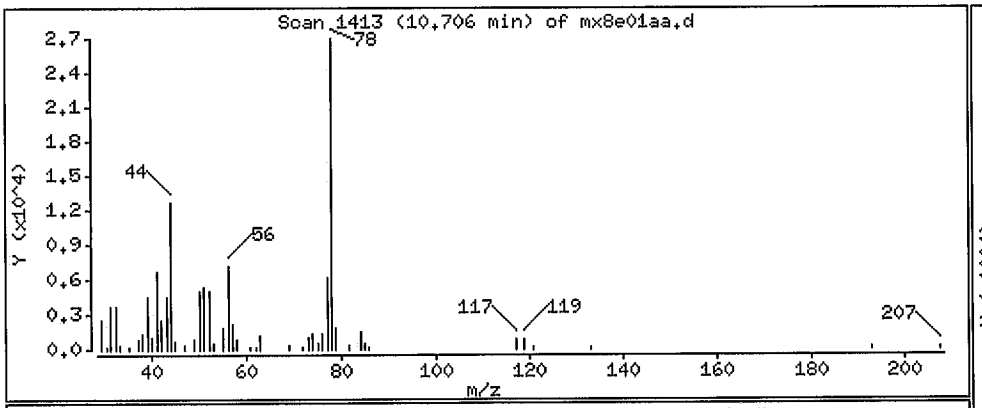
Client ID: 828076-IA-003B4-02 Instrument: mr.i

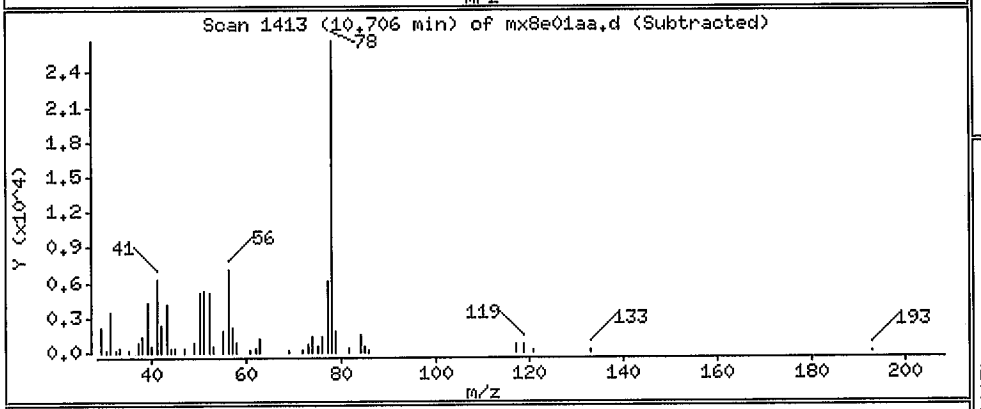
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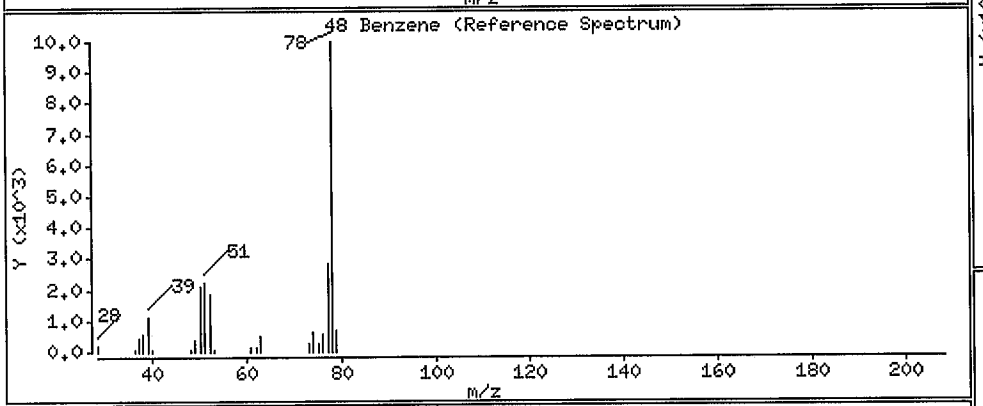
Purge Volume: 500.0 Operator: 403648

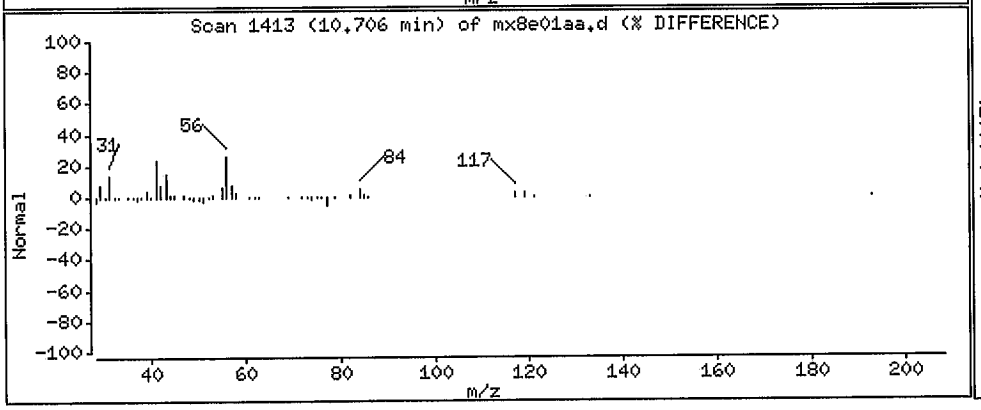
Column phase: Rtx-5 Column diameter: 0.32

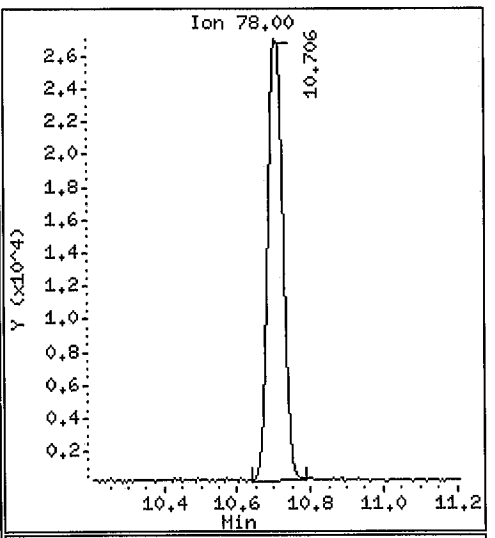
48 Benzene Concentration: 0.1756 ppb(v/v)

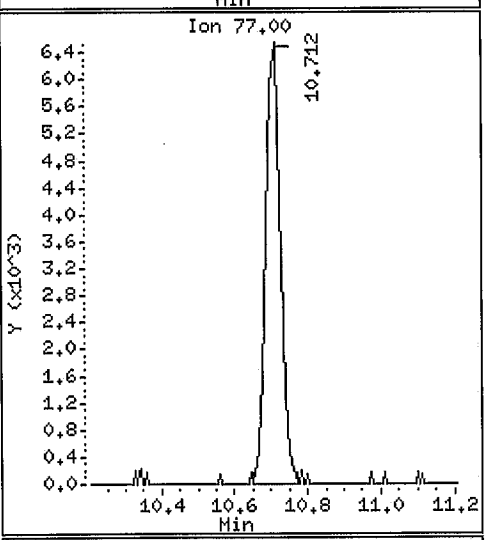


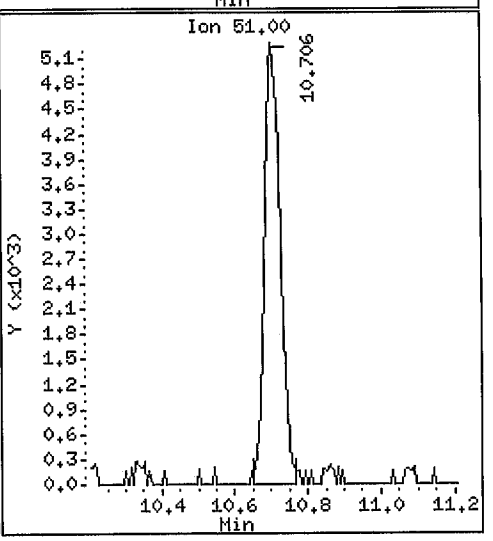












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

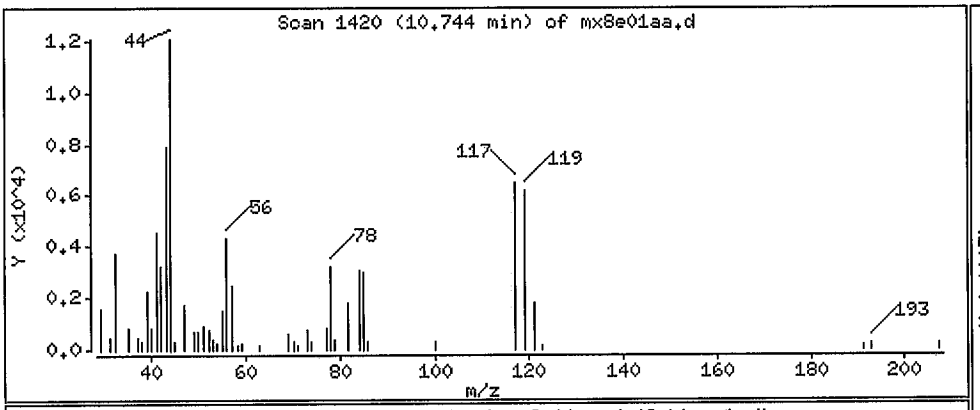
Client ID: 828076-IA-003B4-02 Instrument: mr.i

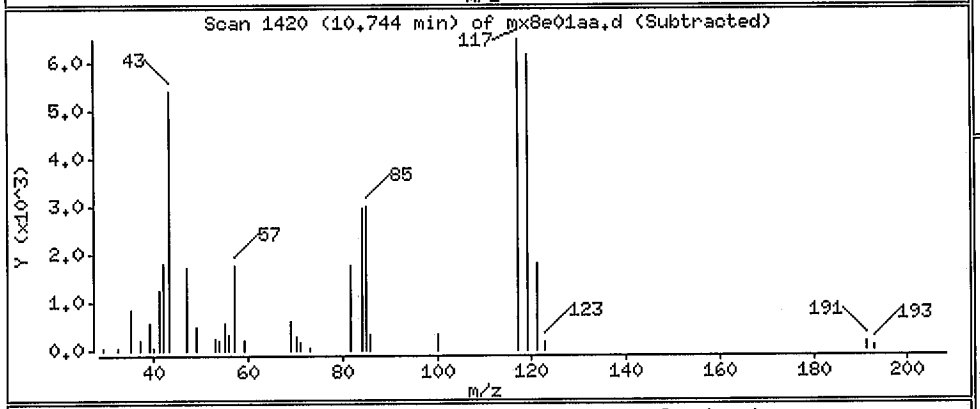
Sample Info: ,,0,,,

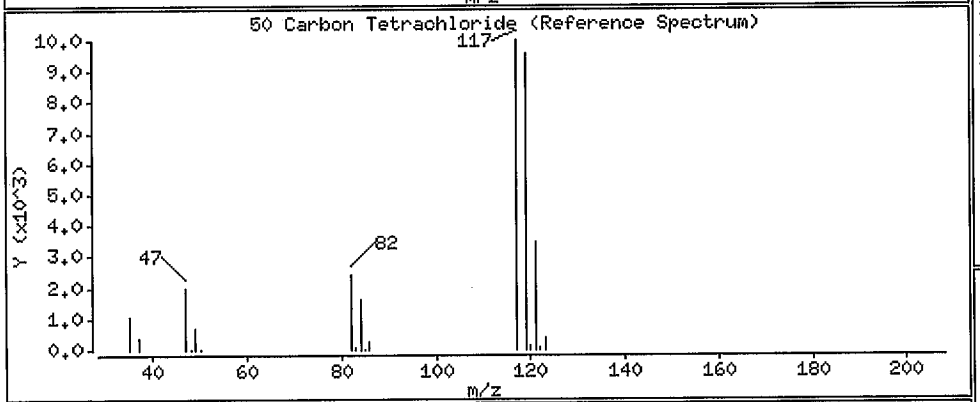
Purge Volume: 500.0 Operator: 403648

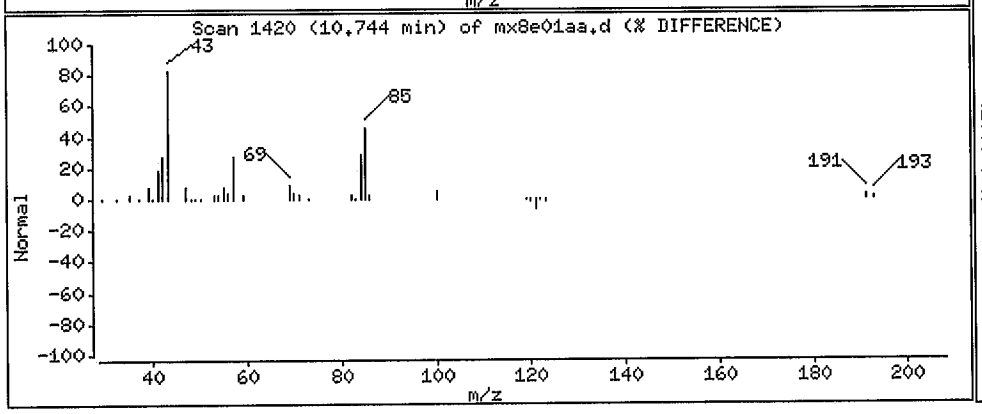
Column phase: Rtx-5 Column diameter: 0.32

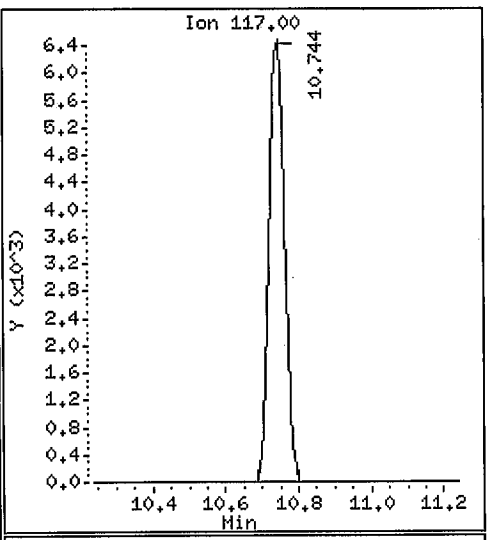
50 Carbon Tetrachloride Concentration: 0.08334 ppb(v/v)

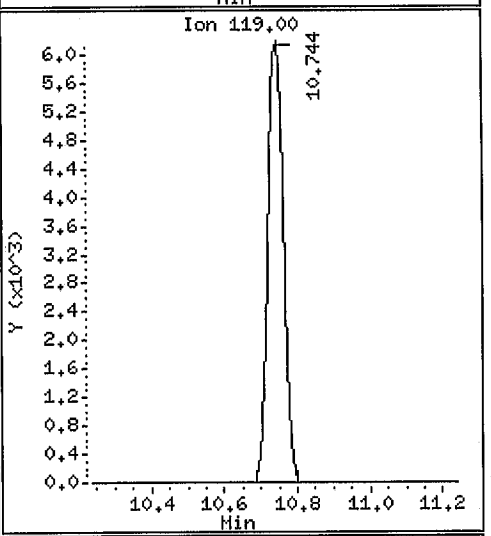


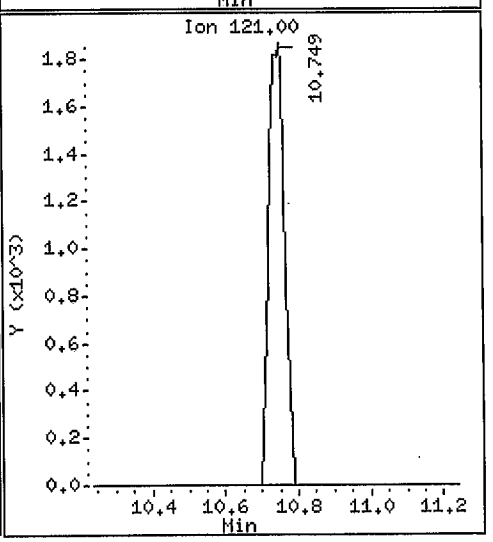












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

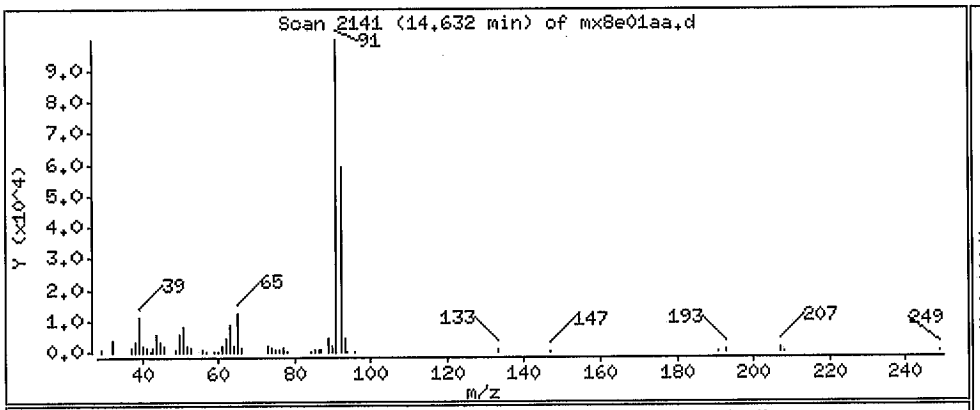
Client ID: 828076-IA-003B4-02 Instrument: mr.i

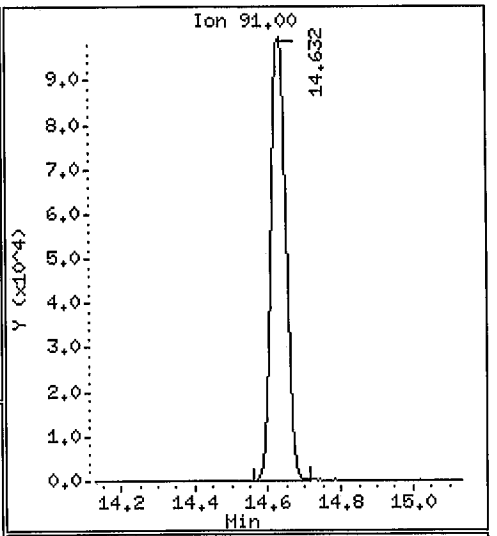
Sample Info: ,,0,,,

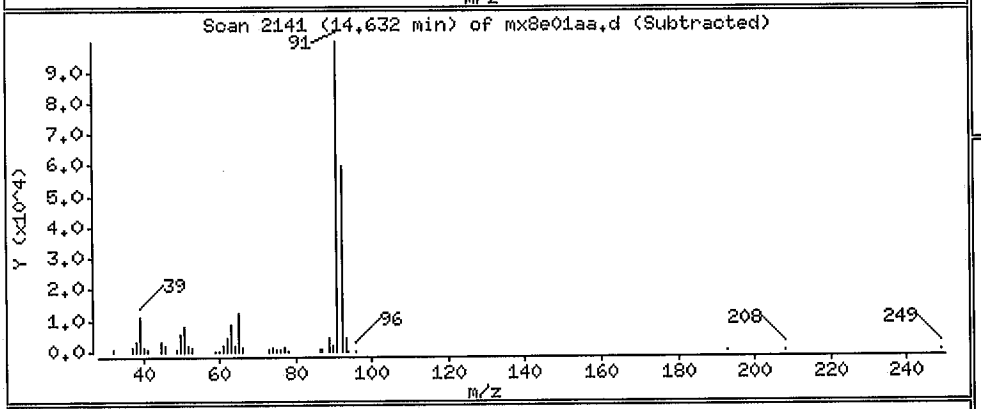
Purge Volume: 500.0 Operator: 403648

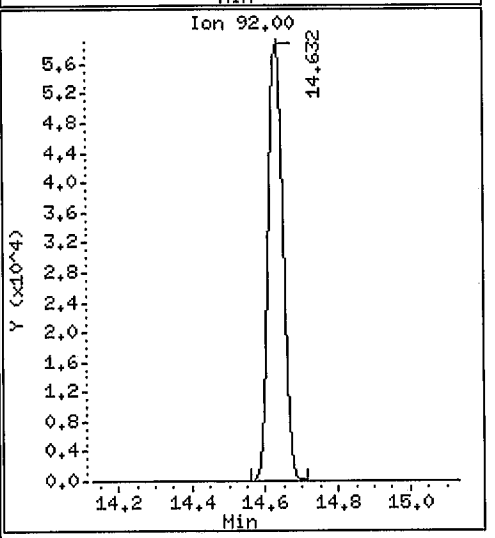
Column phase: Rtx-5 Column diameter: 0.32

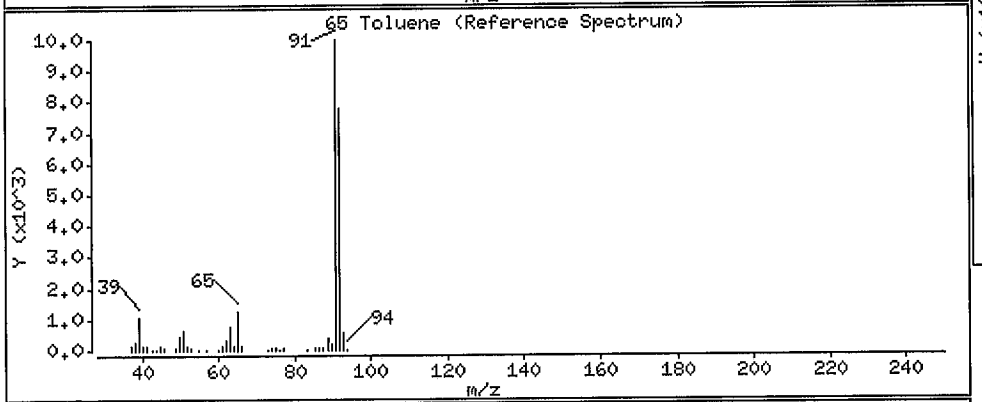
65 Toluene Concentration: 0.4921 ppb(v/v)

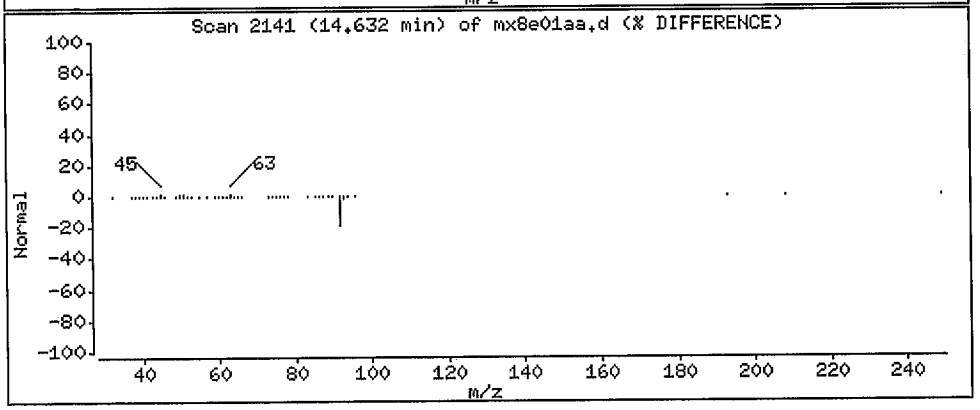












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

Client ID: 828076-IA-003B4-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

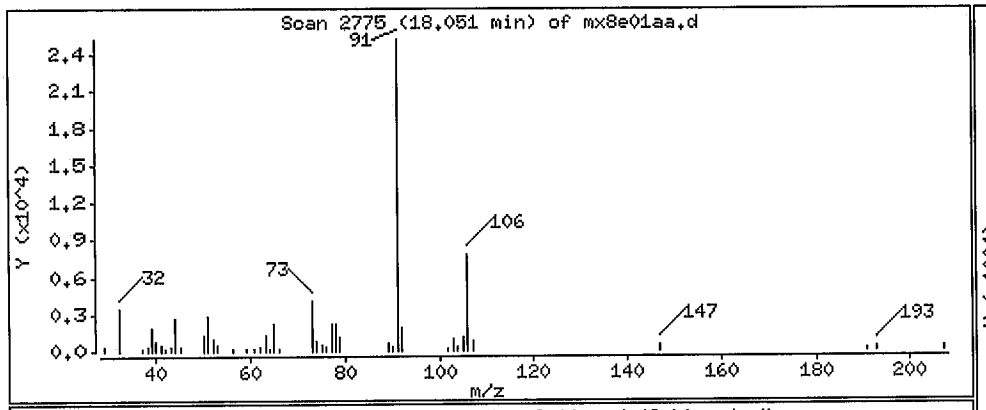
Operator: 403648

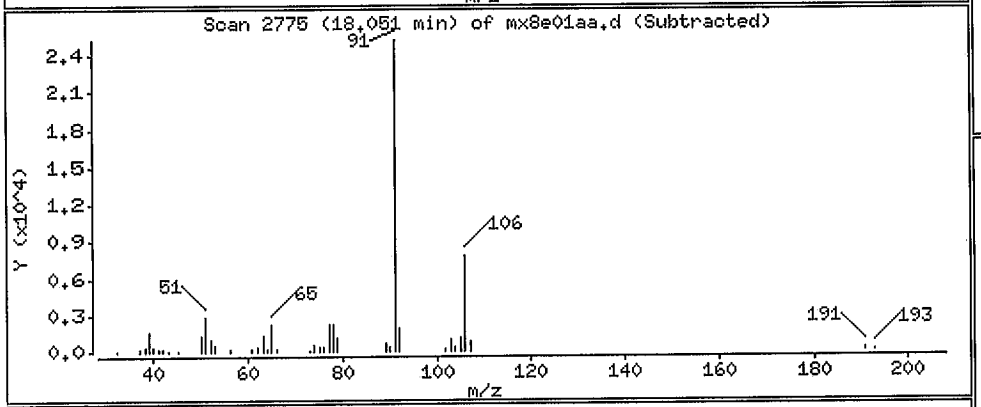
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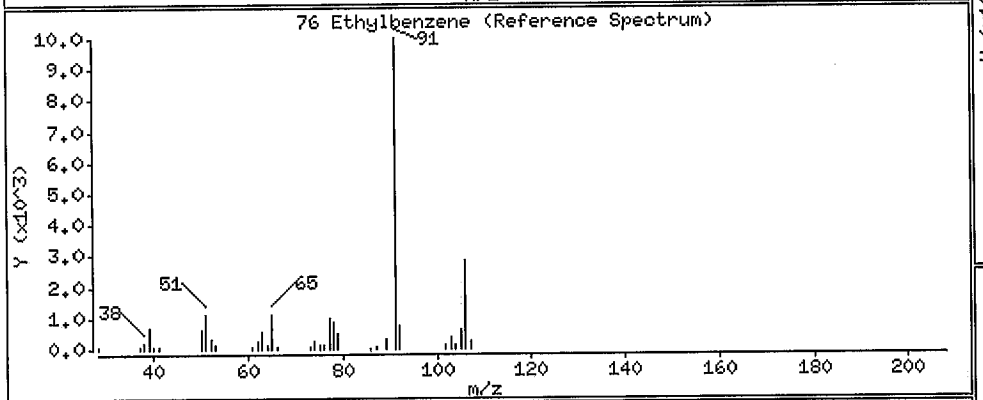
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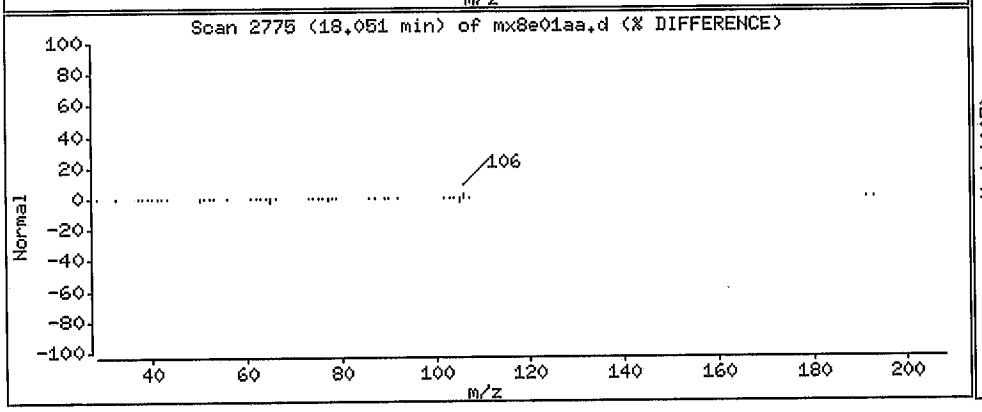
76 Ethylbenzene

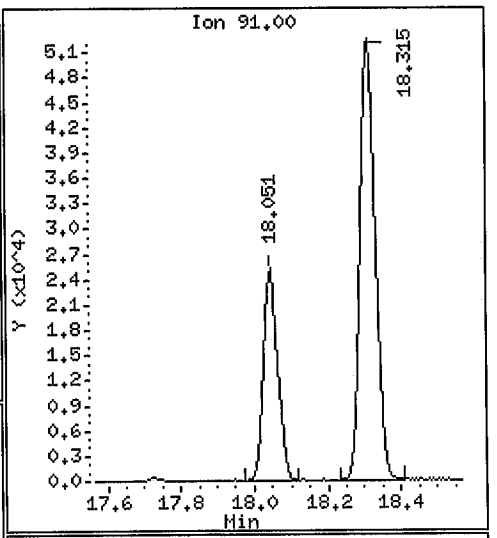
Concentration: 0.09972 ppb(v/v)

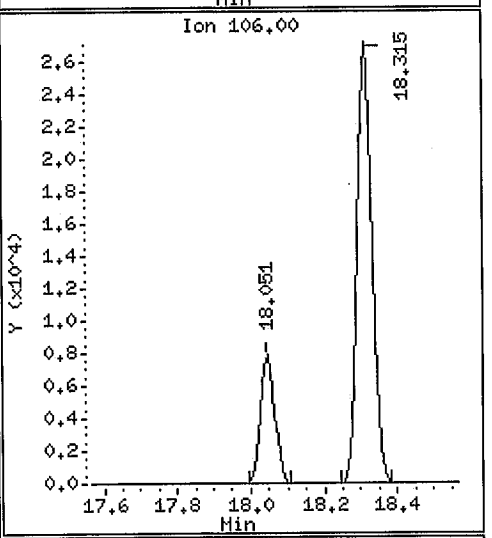


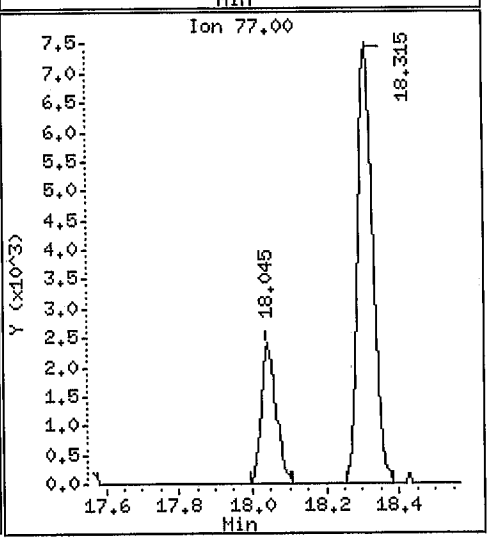












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

Client ID: 828076-IA-003B4-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

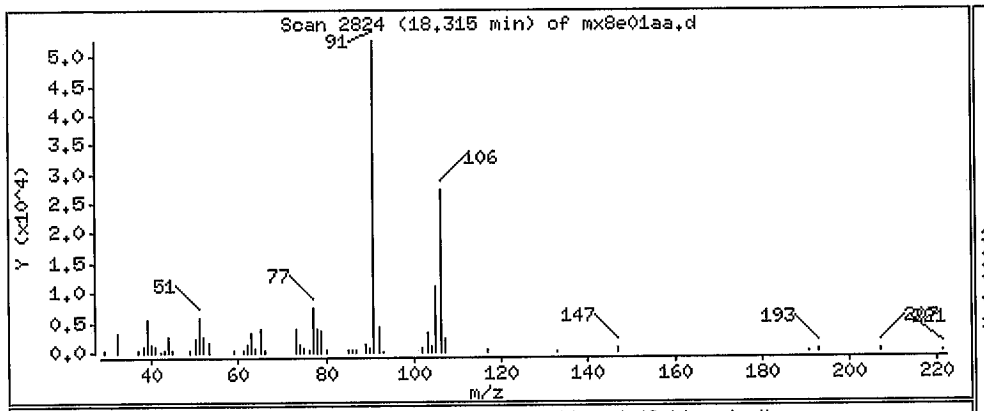
Operator: 403648

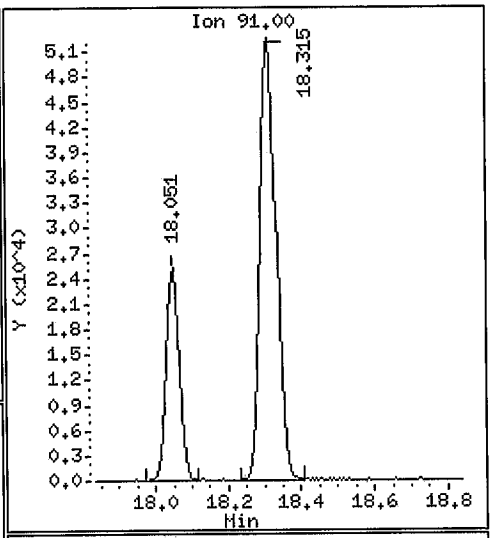
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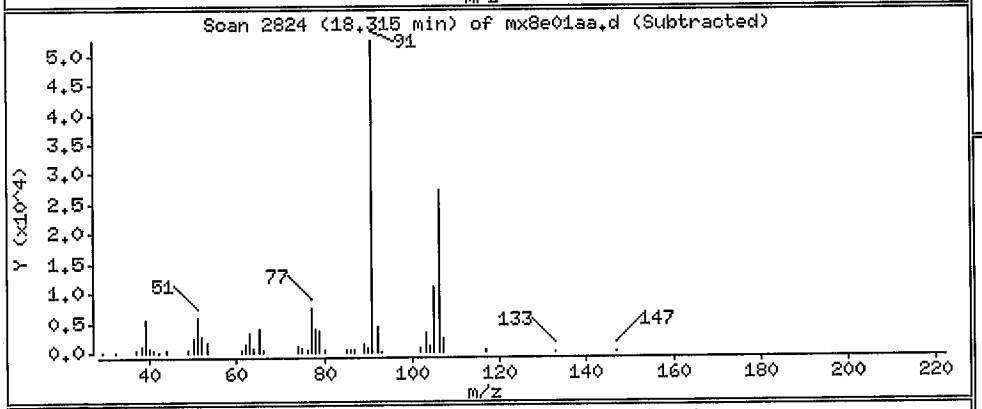
Column diameter: 0.32

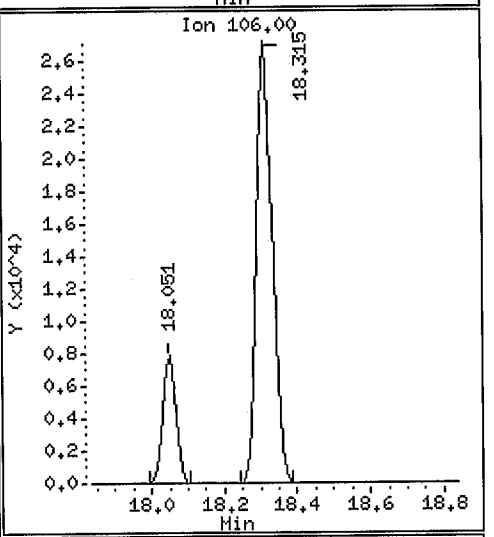
78 m&p-Xylene

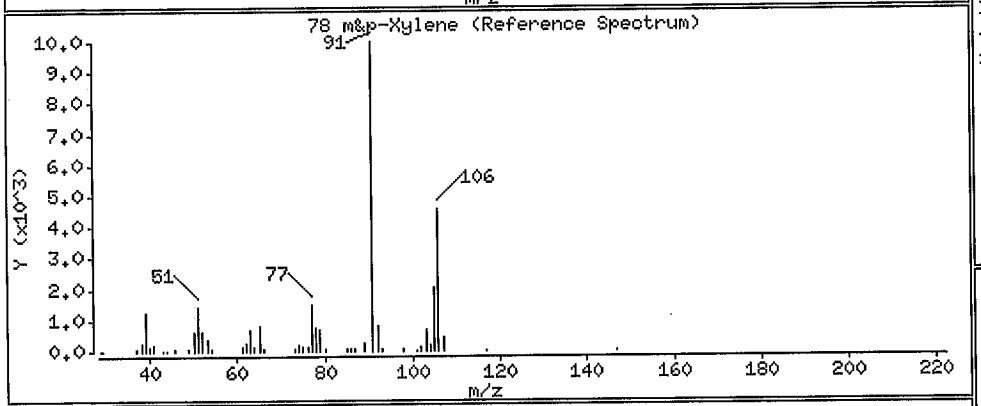
Concentration: 0.3094 ppb(v/v)

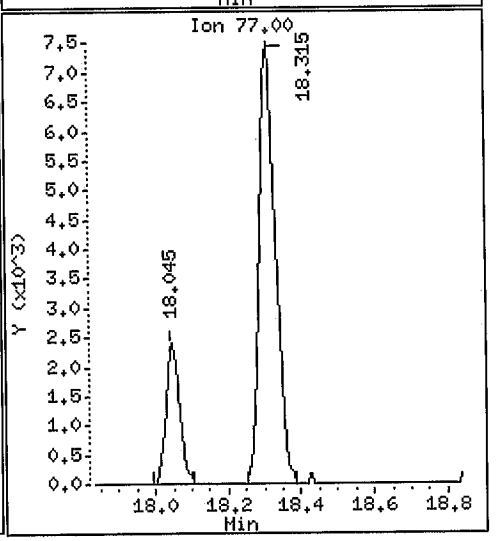


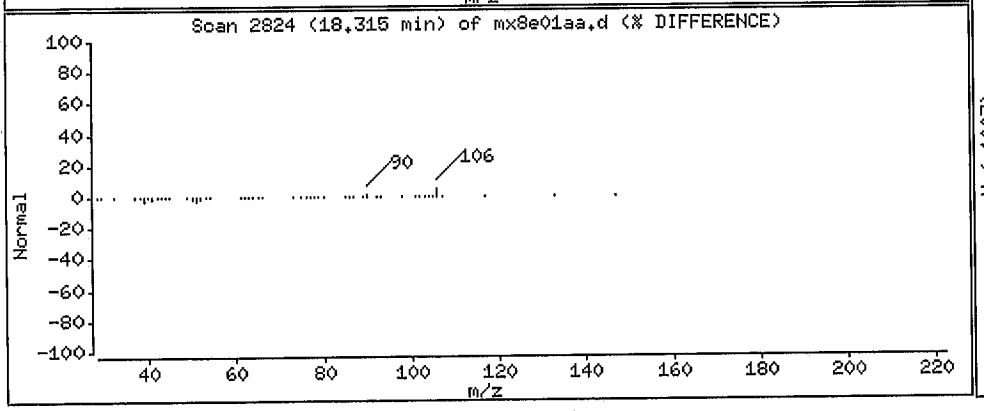












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

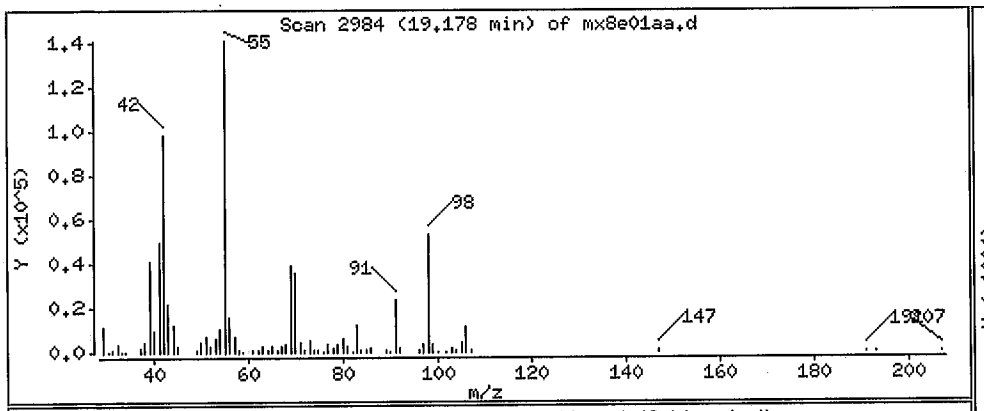
Client ID: 828076-IA-003B4-02 Instrument: mr.i

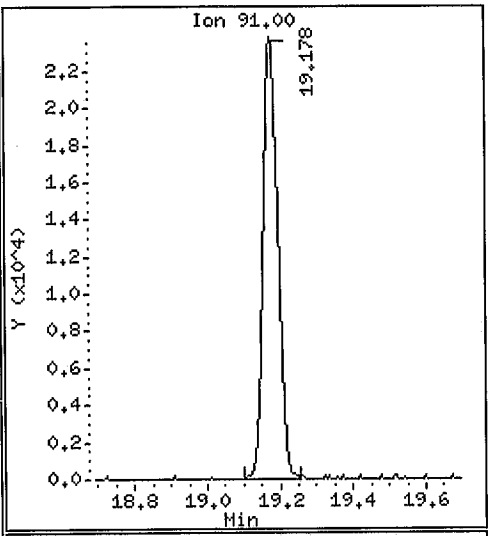
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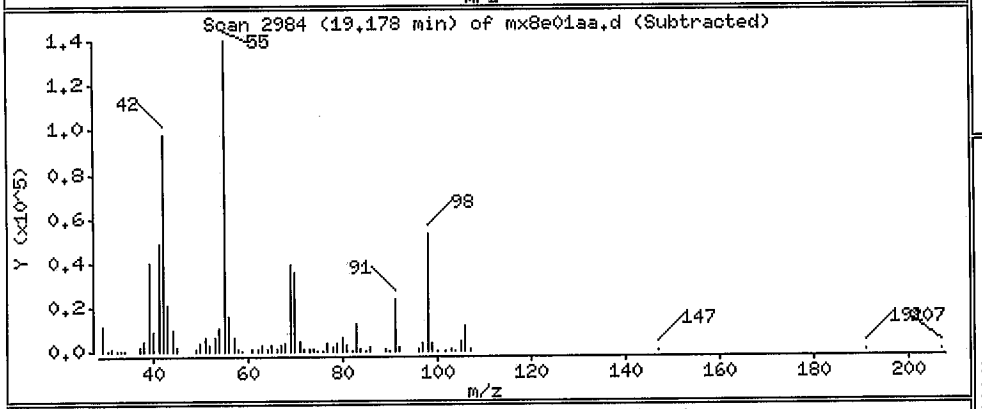
Purge Volume: 500.0 Operator: 403648

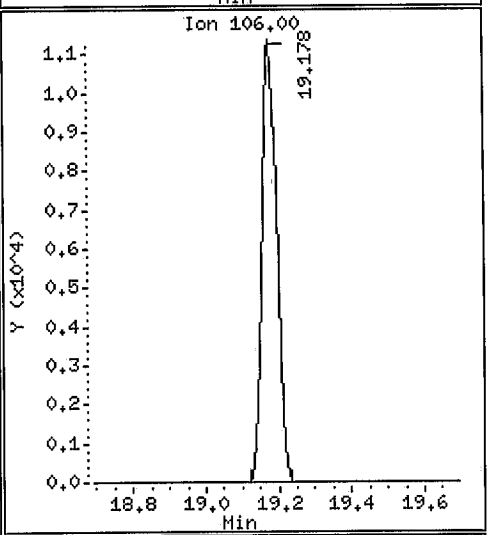
Column phase: Rtx-5 Column diameter: 0.32

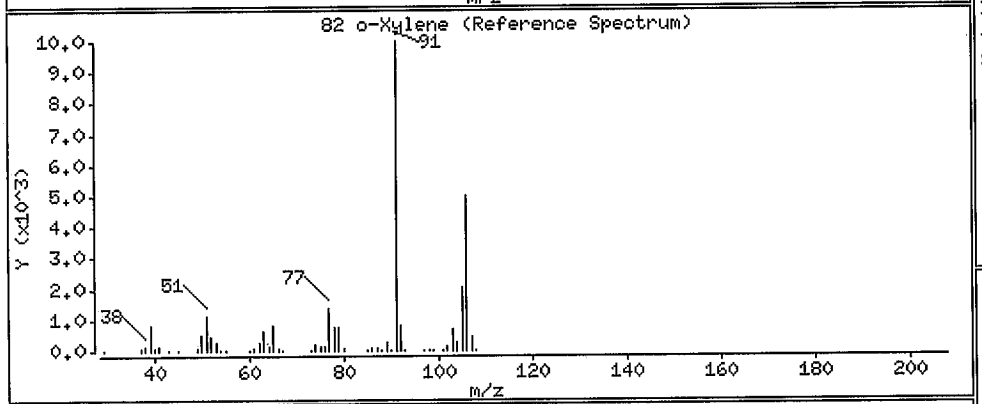
82 o-Xylene Concentration: 0.1205 ppb(v/v)

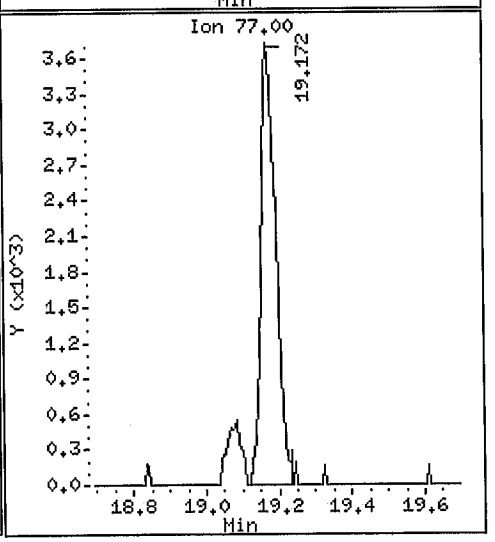


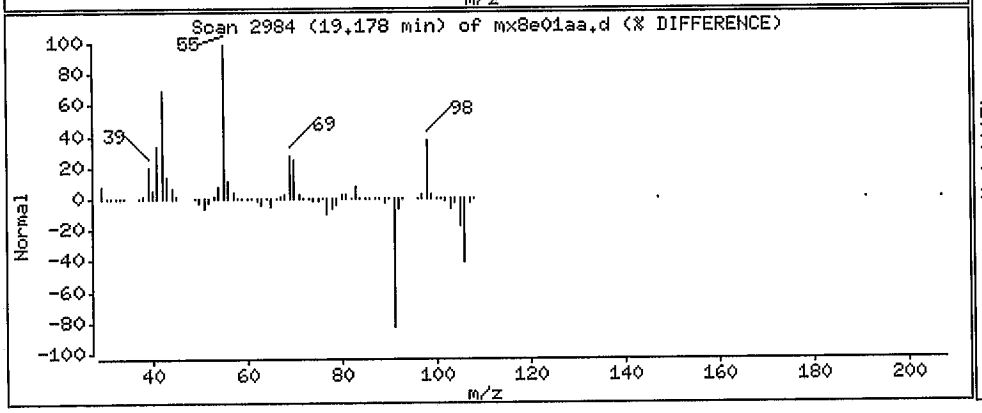












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

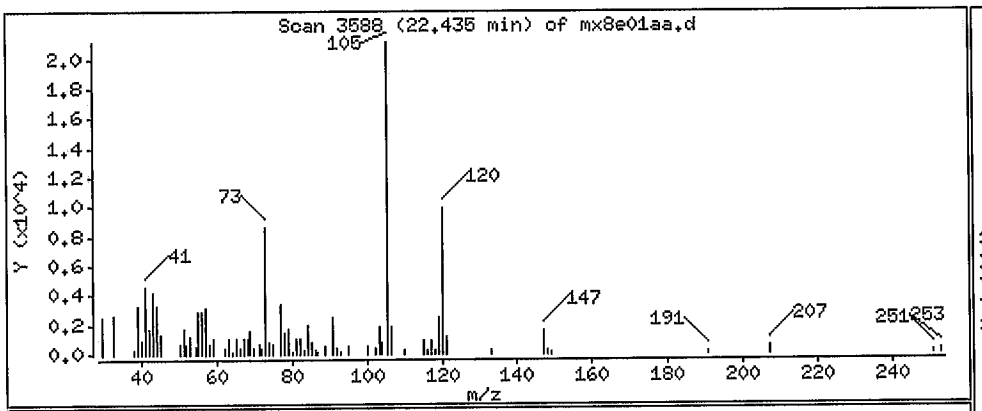
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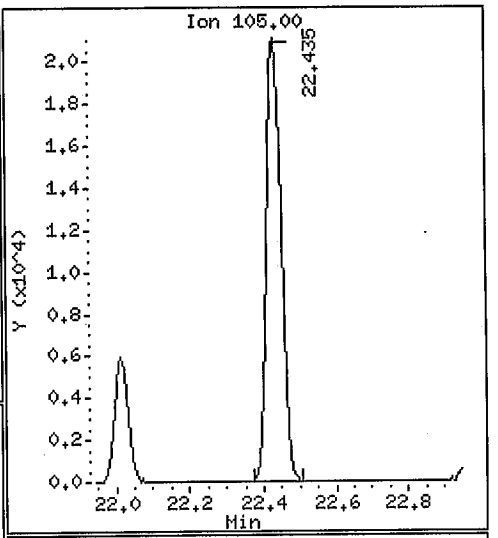
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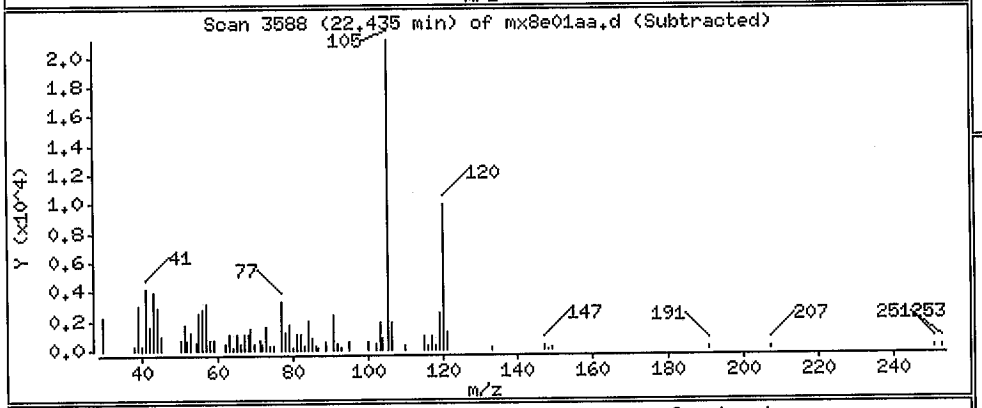
Purge Volume: 500.0 Operator: 403648

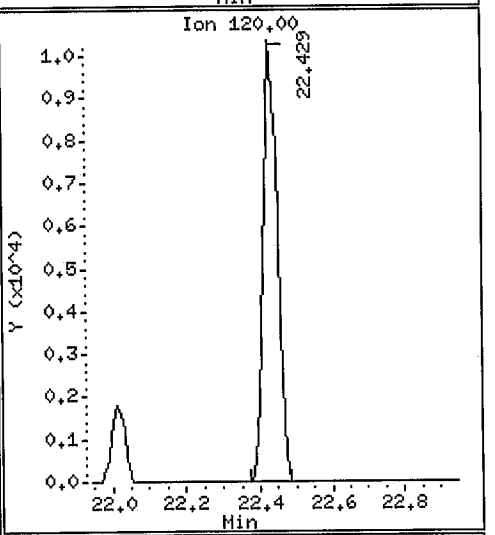
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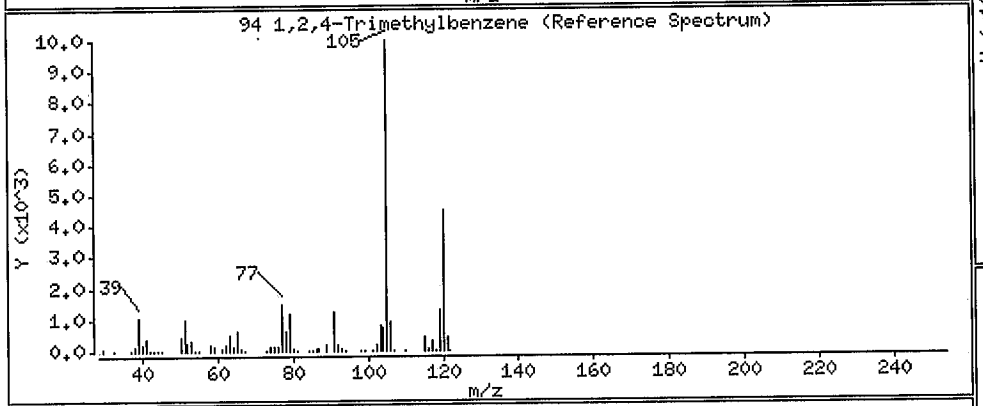
94 1,2,4-Trimethylbenzene Concentration: 0.08617 ppb(v/v)

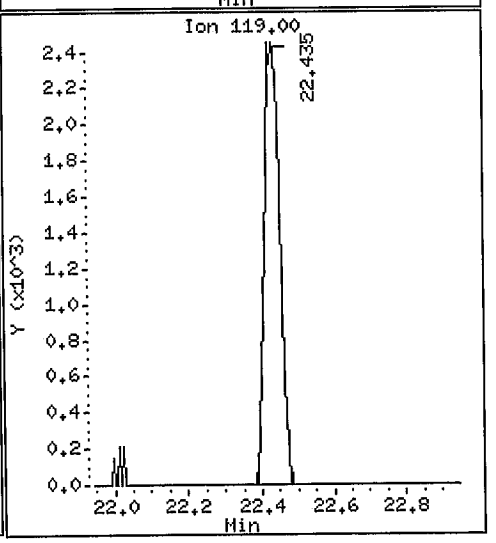


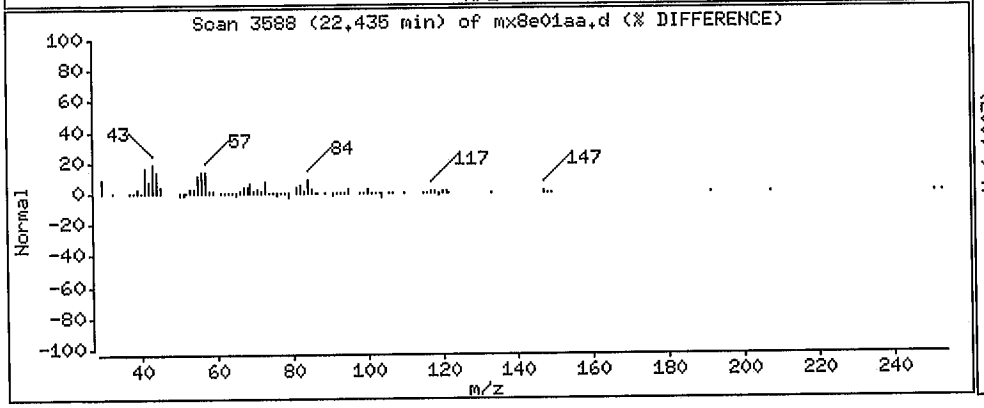












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e01aa.d

Date : 01-MAR-2013 05:08

Client ID: 828076-IA-003B4-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

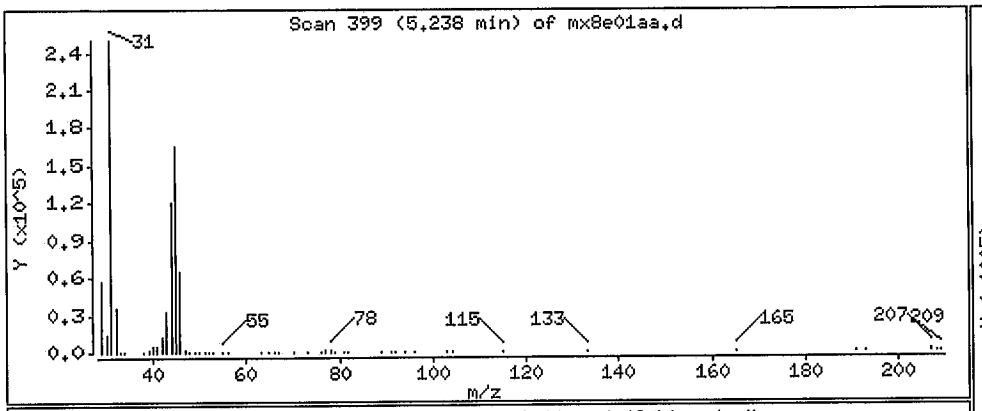
Operator: 403648

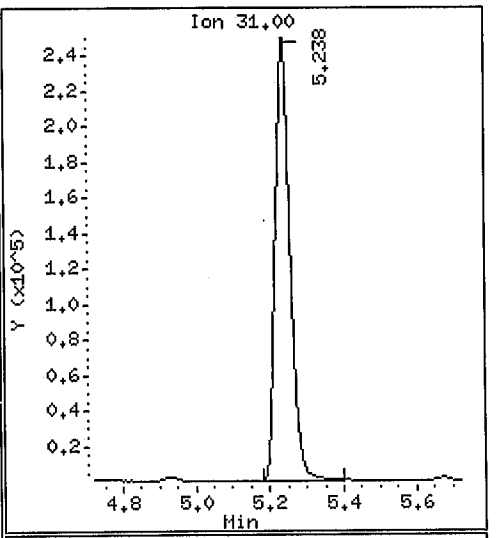
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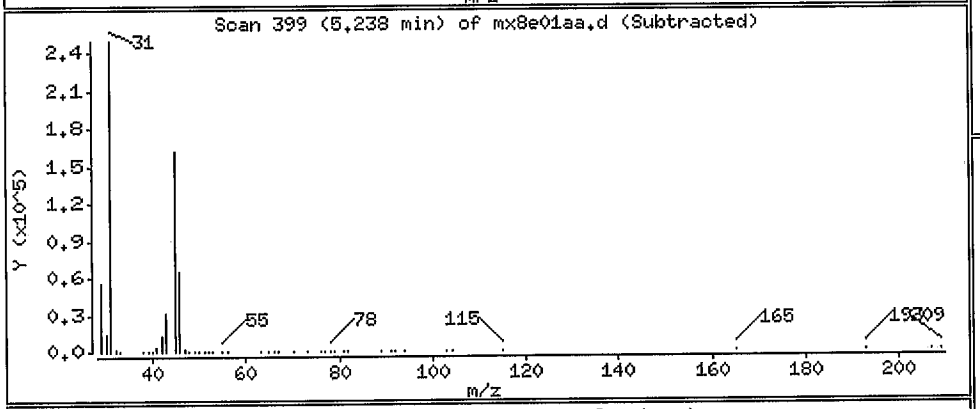
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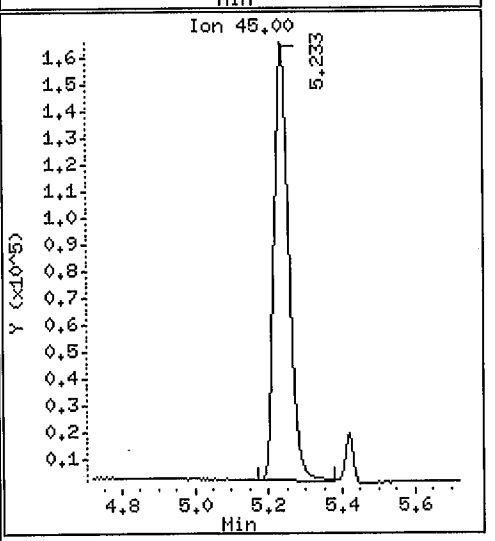
17 ~ ethanol

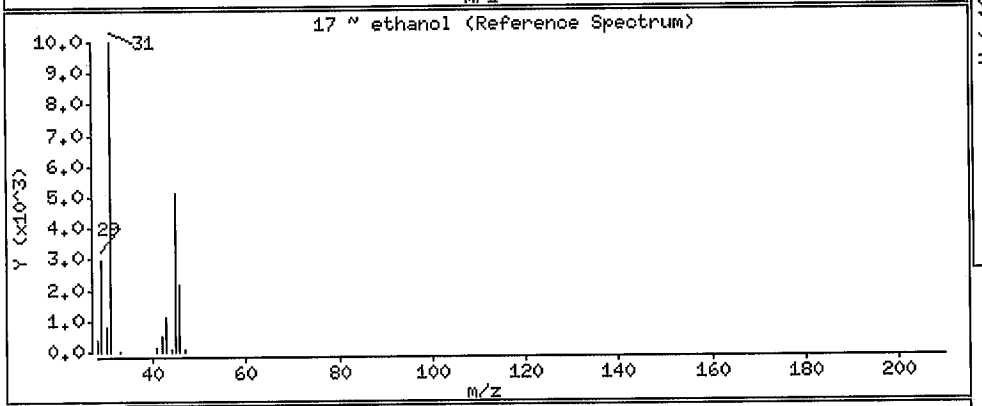
Concentration: 15.13 ppb(v/v)

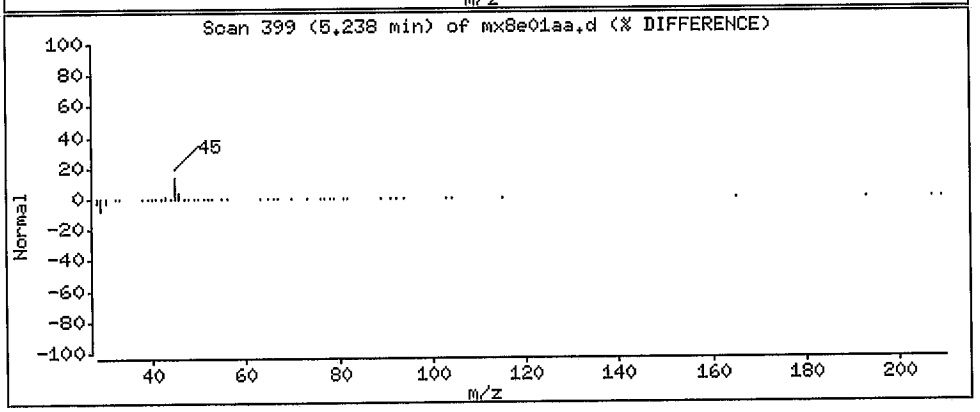












New York State D.E.C.

Client Sample ID: 828076-SS-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 018 **Work Order #** MX8E11AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/04/2013 **Analysis Date...** 03/04/2013
Prep Batch #.....: 3063050
Dilution Factor.: 2.5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4
1,1,2-Trichlorotrifluoroethane	ND	0.20	ND	1.5
1,1,2-Trichloroethane	ND	0.20	ND	1.1
1,1-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	**0.63**	**0.20**	**3.1**	**0.98**
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,2-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloropropane	ND	0.20	ND	0.92
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98
1,4-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dioxane	ND	0.50	ND	1.8
2-Butanone (MEK)	**1.8**	**0.80**	**5.2**	**2.4**
1,3-Dichlorobenzene	ND	0.20	ND	1.2
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
Benzene	ND	0.20	ND	0.64
Benzyl chloride	ND	0.40	ND	2.1
Bromodichloromethane	ND	0.20	ND	1.3
Bromoform	ND	0.20	ND	2.1
Bromomethane	ND	0.20	ND	0.78
Carbon tetrachloride	ND	0.10	ND	0.63
Chlorobenzene	ND	0.20	ND	0.92
Chloroethane	ND	0.20	ND	0.53
Chloroform	**0.33**	**0.20**	**1.6**	**0.98**
Cyclohexane	ND	0.50	ND	1.7
Chloromethane	ND	0.50	ND	1.0
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
cis-1,3-Dichloropropene	ND	0.20	ND	0.91
Dibromochloromethane	ND	0.20	ND	1.7
Dichlorodifluoromethane	**0.37**	**0.20**	**1.8**	**0.99**
Ethanol	**6.0**	**2.0**	**11**	**3.8**
Ethylbenzene	**0.75**	**0.20**	**3.3**	**0.87**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
n-Hexane	ND	0.50	ND	1.8
Hexachlorobutadiene	ND	0.20	ND	2.1

New York State D.E.C.

Client Sample ID: 828076-SS-003B4-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 018 **Work Order #** MX8E11AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Methyl tert-butyl ether	**5.1**	**0.40**	**18**	**1.4**
Methylene chloride	ND	0.50	ND	1.7
Styrene	**0.79**	**0.20**	**3.4**	**0.85**
tert-Butyl alcohol	**4.5**	**0.80**	**14**	**2.4**
Tetrachloroethene	**1.3**	**0.20**	**8.7**	**1.4**
Toluene	**1.9**	**0.20**	**7.1**	**0.75**
m-Xylene & p-Xylene	**3.1**	**0.20**	**14**	**0.87**
o-Xylene	**1.1**	**0.20**	**4.8**	**0.87**
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
Trichloroethene	**20**	**0.10**	**110**	**0.54**
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**	**1.1**
Vinyl chloride	ND	0.20	ND	0.51

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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/mg.i/G030413.b/mx8e11aa.d
Report Date: 04-Mar-2013 16:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d
Lab Smp Id: MX8E11AA Client Smp ID: 828076-SS-003B4-02
Inj Date : 04-MAR-2013 15:10
Operator : 7126 Inst ID: mg.i
Smp Info : ,2.5,0,,,
Misc Info : G030413,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030413.b/TO15.m
Meth Date : 04-Mar-2013 12:40 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 11
Dil Factor: 2.50000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	2.50000	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))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	7.581	7.581	(1.000)	461439	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.646	9.651	(1.000)	2114132	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.591	14.585	(1.000)	1737957	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.284	16.279	(1.116)	1260634	4.09097	4.091
7 Dichlorodifluoromethane	85	3.499	3.499	(0.462)	61569	0.14867	0.3717
20 Trichlorofluoromethane	101	4.572	4.566	(0.603)	31596	0.08311	0.2078
28 tert-butanol	59	5.235	5.235	(0.691)	356530	1.78456	4.461
36 Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	662658	2.04144	5.104
39 2-Butanone	72	6.955	6.950	(0.917)	42189	0.70793	1.770
43 Chloroform	83	7.592	7.592	(1.001)	38629	0.13249	0.3312
56 Trichloroethene	130	10.363	10.363	(1.074)	1741923	7.85227	19.63
65 Toluene	91	12.531	12.531	(0.859)	347779	0.75536	1.888
73 Tetrachloroethene	129	13.712	13.707	(0.940)	92429	0.51184	1.280
76 Ethylbenzene	91	14.931	14.931	(1.023)	170309	0.29964	0.7491
78 m&p-Xylene	91	15.098	15.098	(1.035)	548718	1.24442	3.111
81 Styrene	104	15.588	15.588	(1.068)	101044	0.31476	0.7869

Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d
Report Date: 04-Mar-2013 16:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
82 o-Xylene	91	15.637	15.637	(1.072)	198683	0.44299	1.107
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	130116	0.25302	0.6326
17 ~ ethanol	31	4.259	4.254	(0.562)	88867	2.39909	5.998

Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d
Report Date: 04-Mar-2013 16:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8e11aa.d
Lab Smp Id: MX8E11AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G030413.b/TO15.m
Misc Info: G030413,TO15,nysdec.sub,,,,

Calibration Date: 04-MAR-2013
Calibration Time: 09:11
Client Smp ID: 828076-SS-003B4-02
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	407153	242256	572050	461439	13.33
2 1,4-Difluorobenze	1848184	1099669	2596699	2114132	14.39
3 Chlorobenzene-d5	1600539	952321	2248757	1737957	8.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	0.04

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.

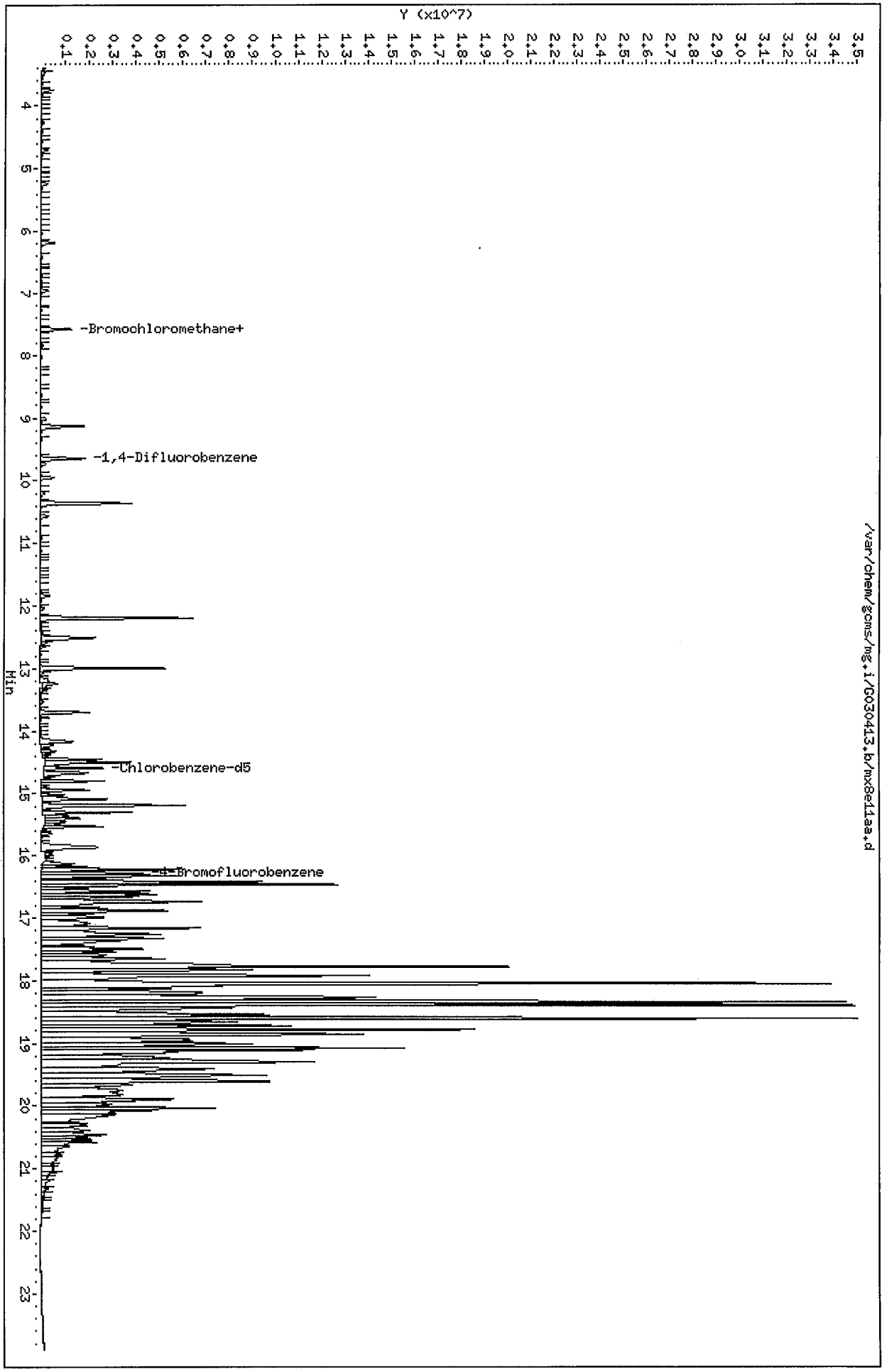
Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d
Report Date: 04-Mar-2013 16:09

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E11AA Client Smp ID: 828076-SS-003B4-02
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030413.b/TO15.m
Misc Info: G030413,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.091	102.27	60-140


Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d
Date : 04-MAR-2013 15:10
Client ID: 828076-SS-003B4-02
Sample Info: ,2.5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G030413.b/mx8e11aa.d
Y (x10^7)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

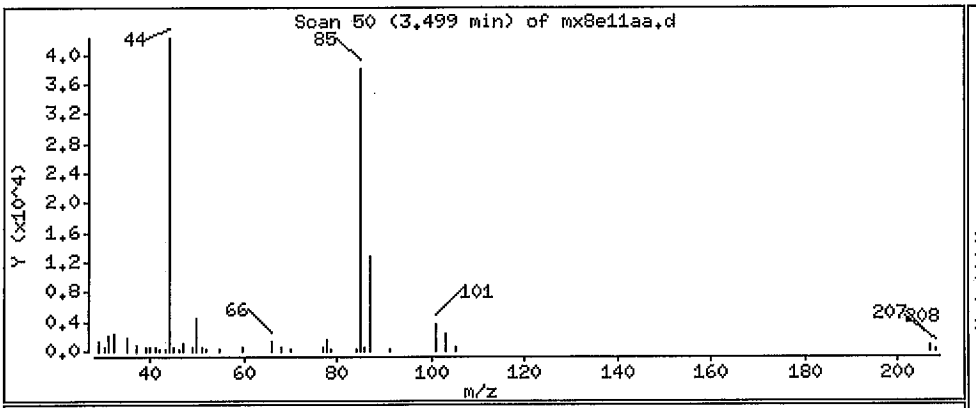
Client ID: 828076-SS-003B4-02 Instrument: mg.i

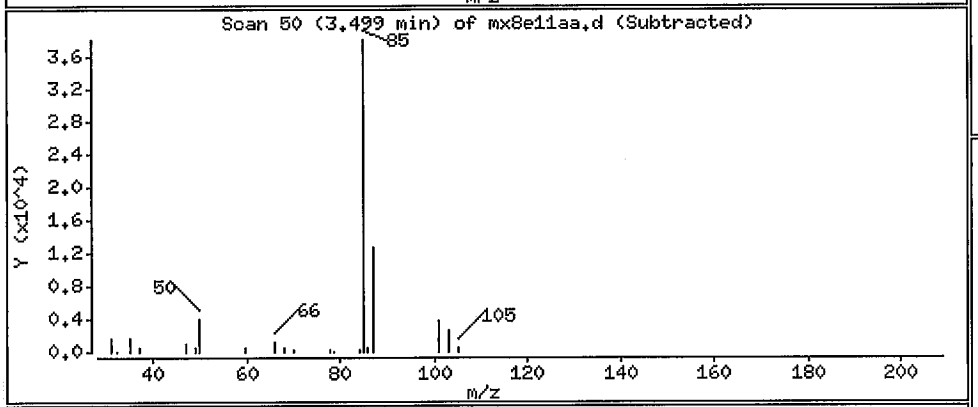
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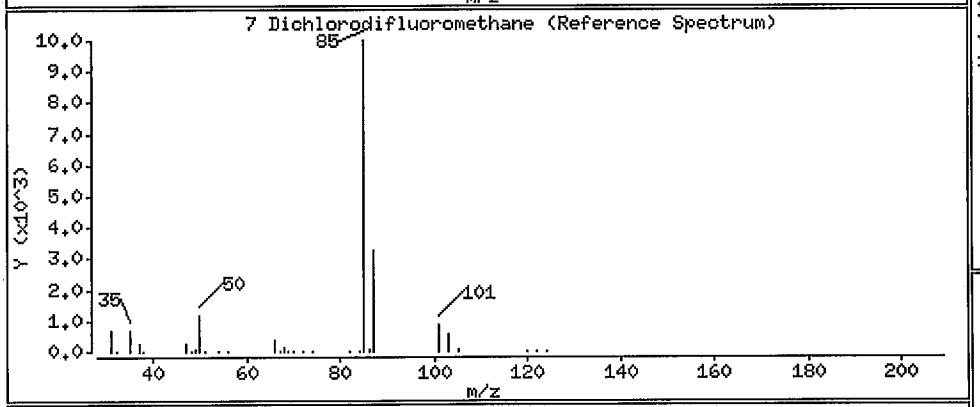
Purge Volume: 500.0 Operator: 7126

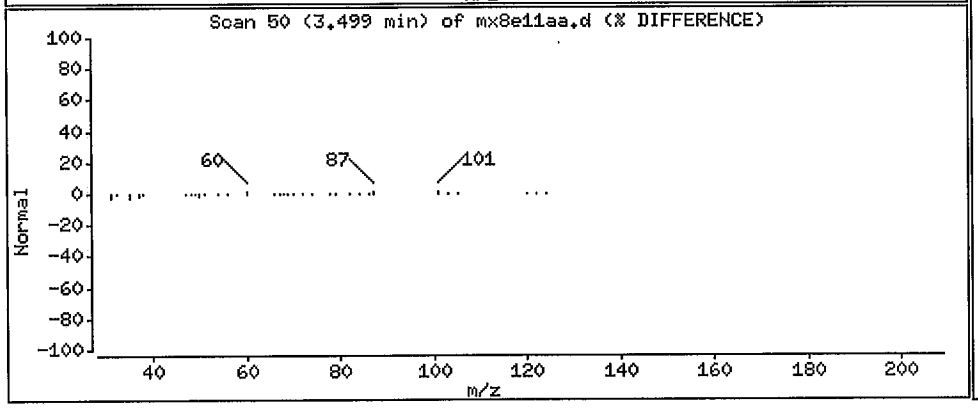
Column phase: Rtx-5 Column diameter: 0.32

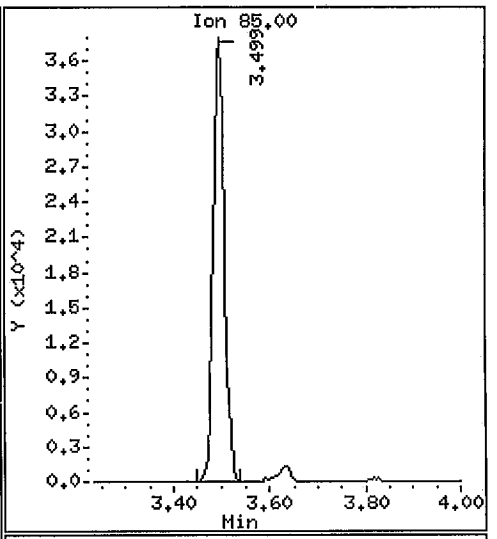
7 Dichlorodifluoromethane Concentration: 0.3717 ppb(v/v)

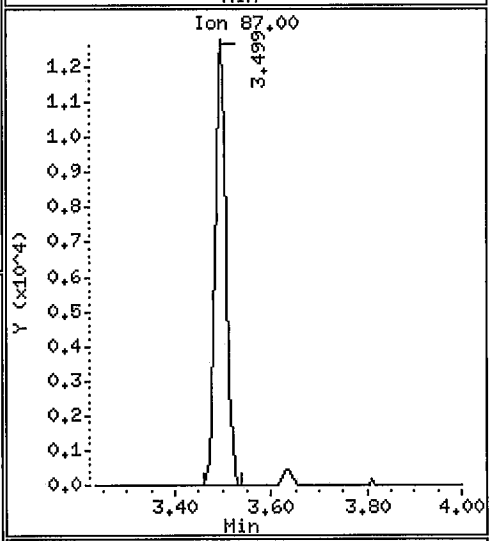


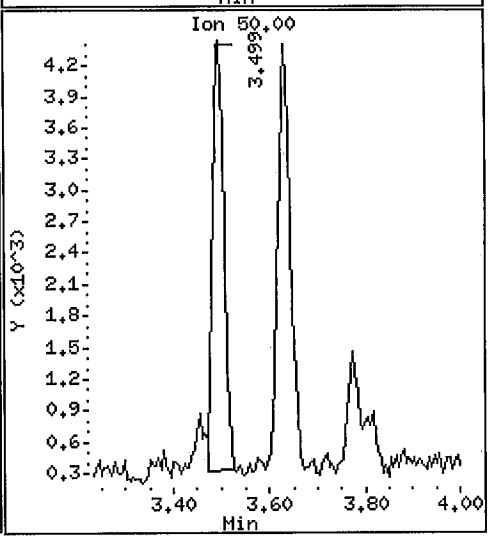












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

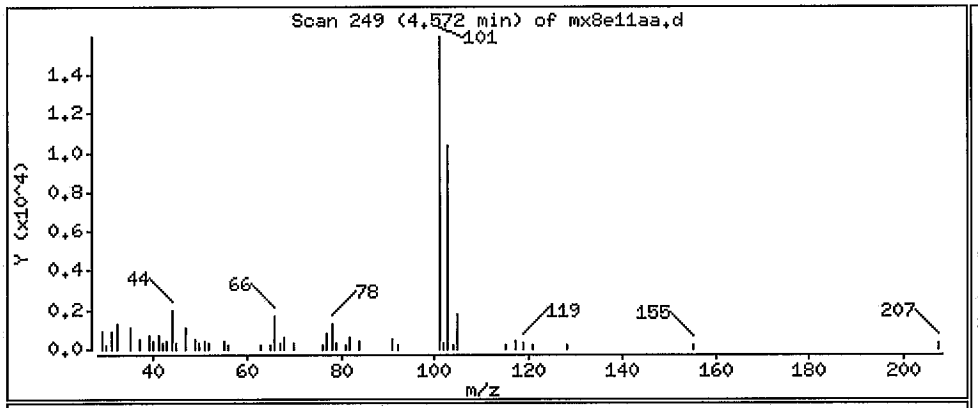
Client ID: 828076-SS-003B4-02 Instrument: mg.i

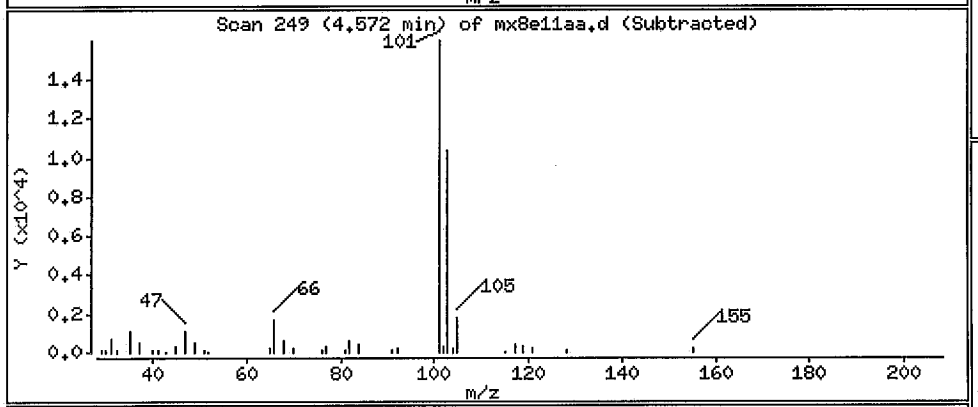
Sample Info: ,2,5,0,,,

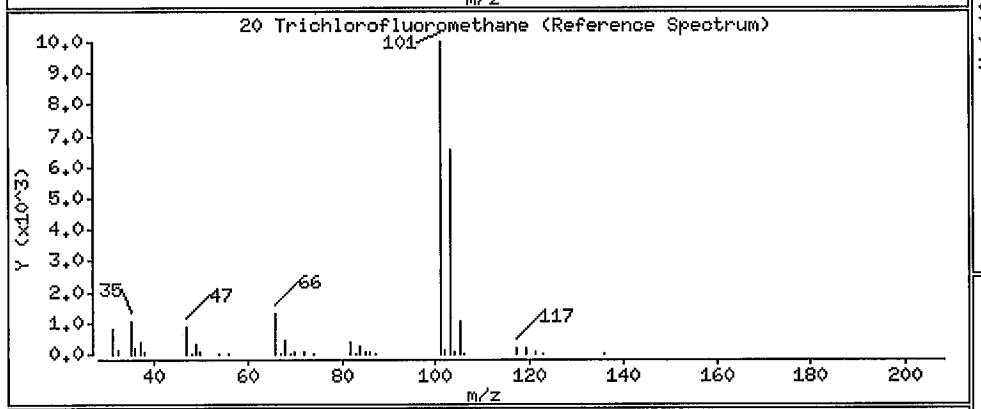
Purge Volume: 500.0 Operator: 7126

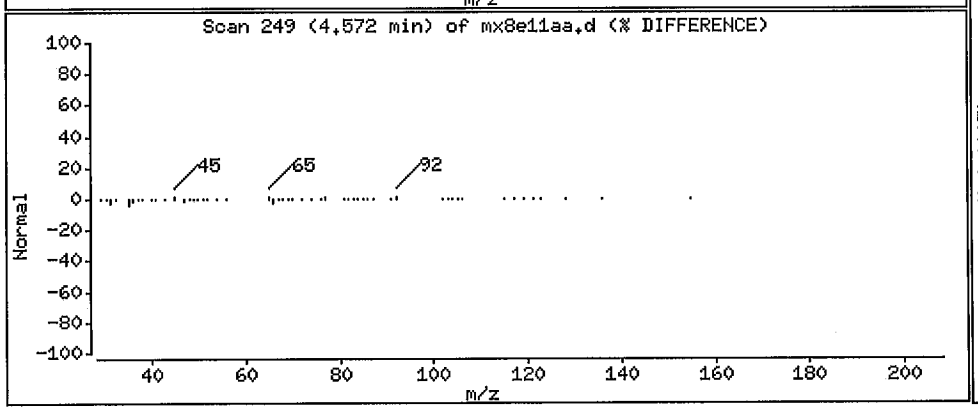
Column phase: Rtx-5 Column diameter: 0.32

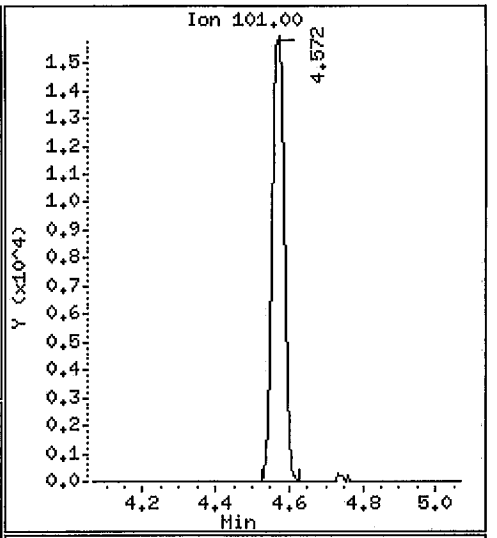
20 Trichlorofluoromethane Concentration: 0.2078 ppb(v/v)

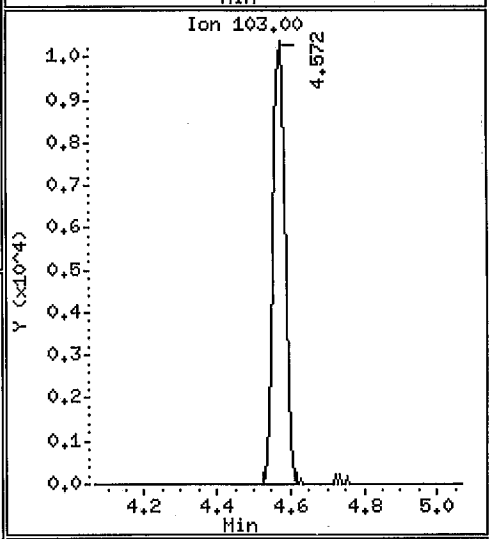


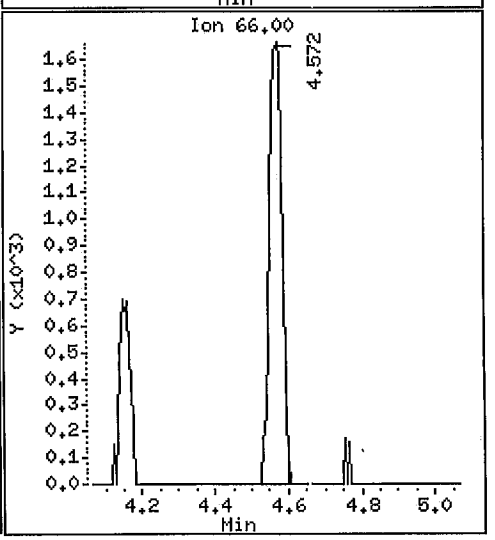












Data File: /var/chem/gcms/mg.i/C030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

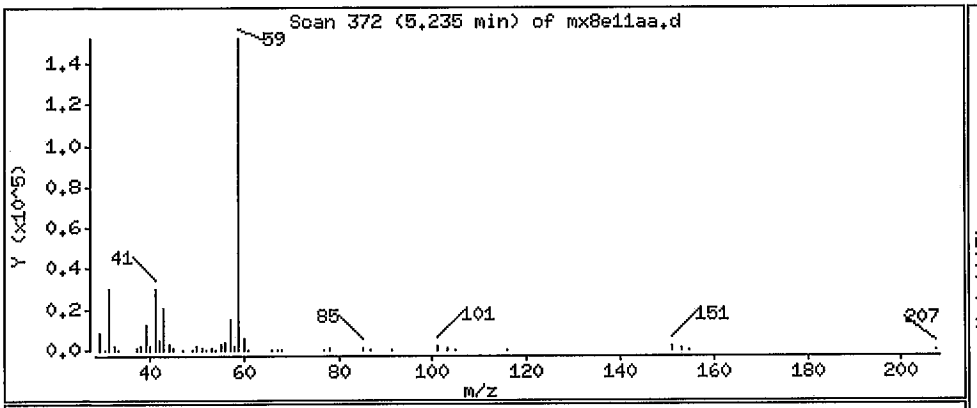
Client ID: 828076-SS-003B4-02 Instrument: mg.i

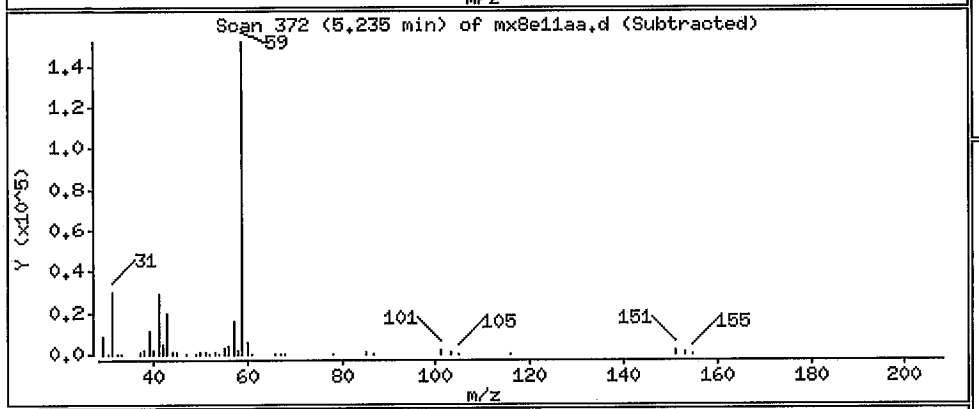
Sample Info: ,2.5,0,,,

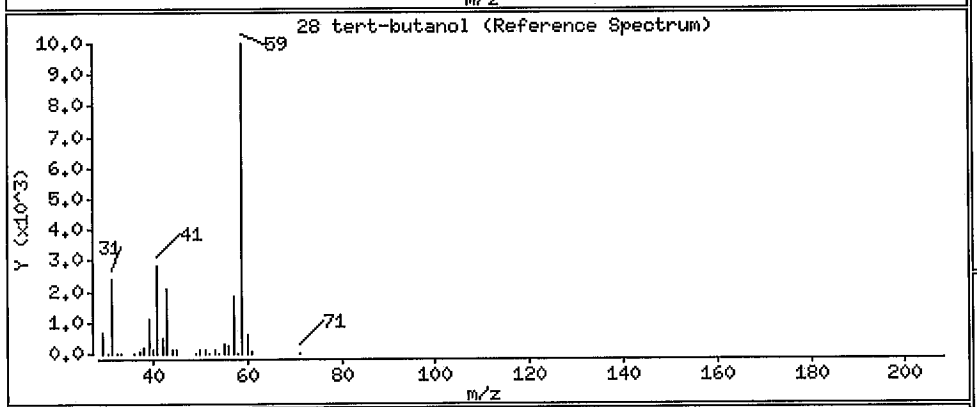
Purge Volume: 500.0 Operator: 7126

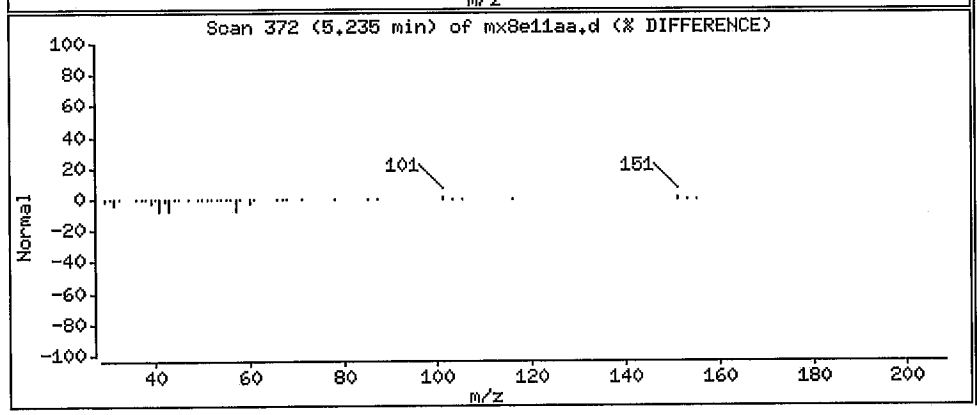
Column phase: Rtx-5 Column diameter: 0.32

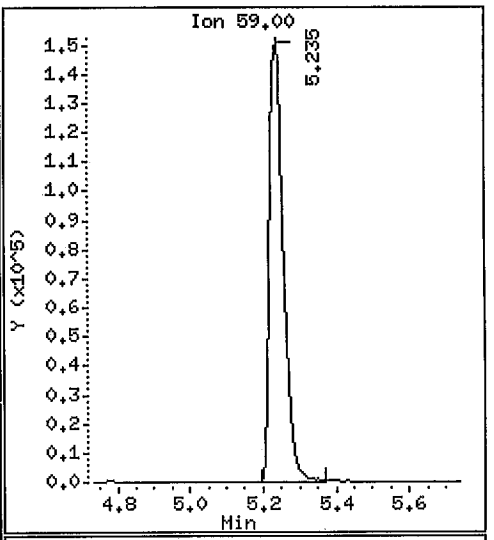
28 tert-butanol Concentration: 4.461 ppb(v/v)

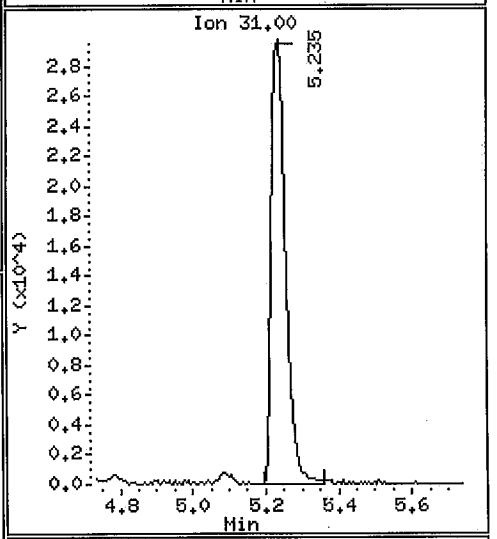


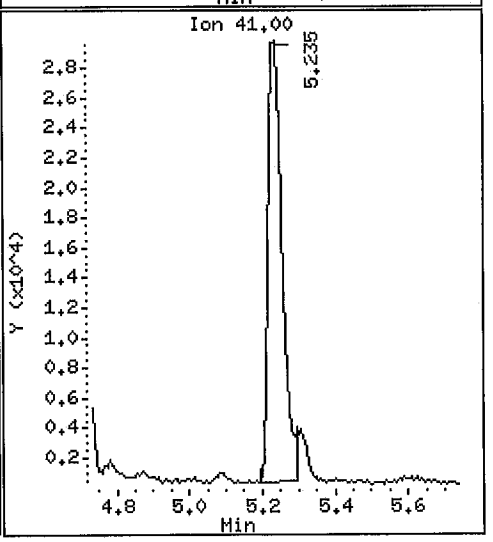












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

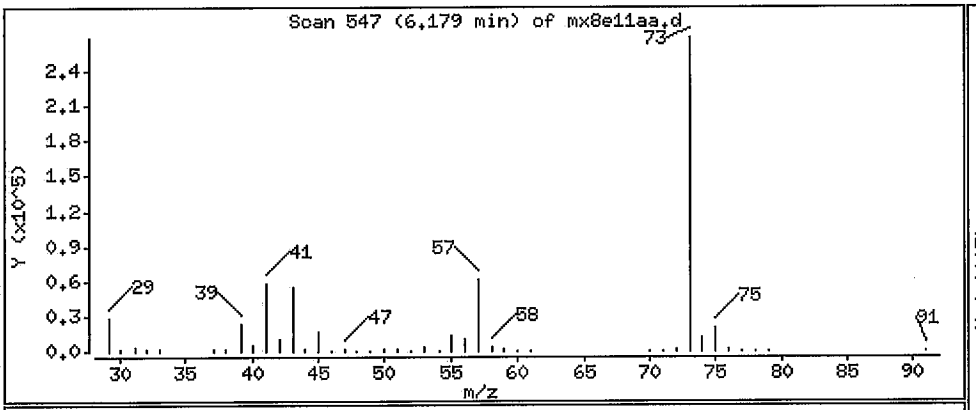
Client ID: 828076-SS-003B4-02 Instrument: mg.i

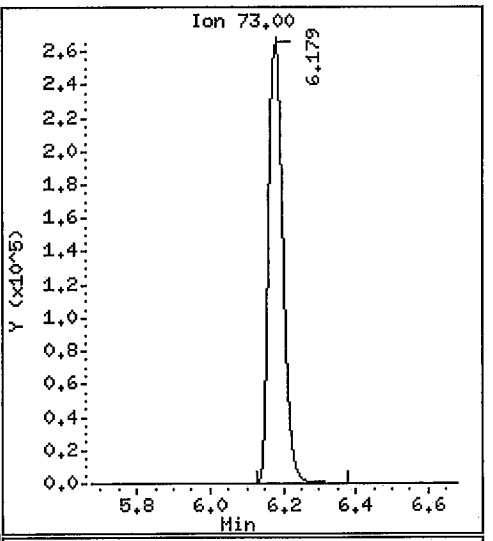
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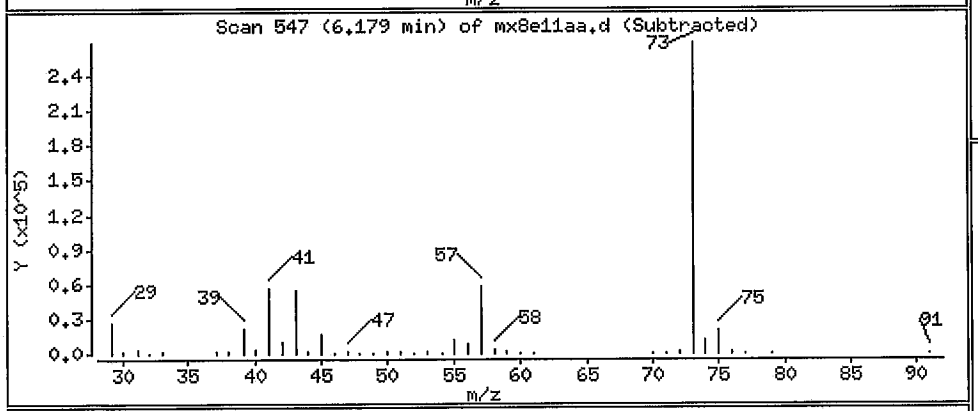
Purge Volume: 500.0 Operator: 7126

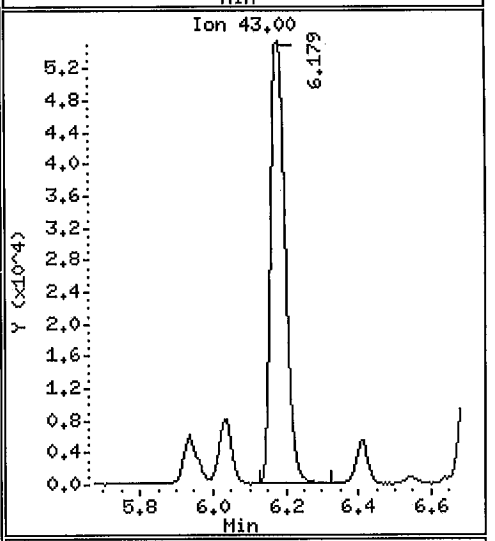
Column phase: Rtx-5 Column diameter: 0.32

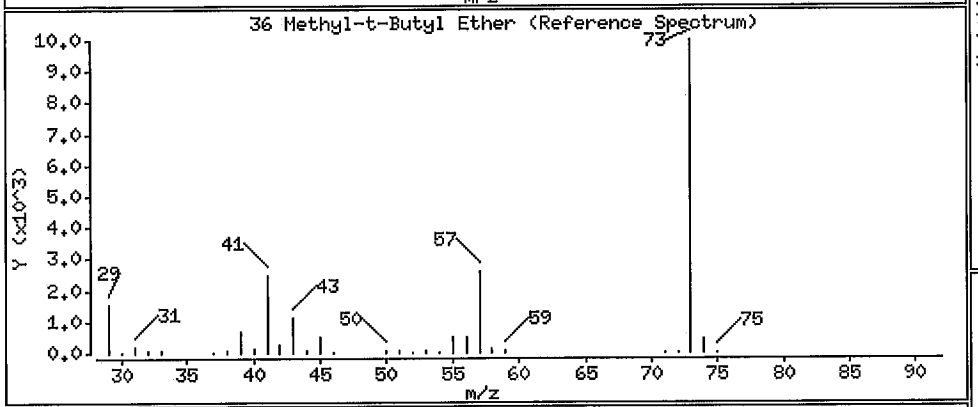
36 Methyl-t-Butyl Ether Concentration: 5.104 ppb(v/v)

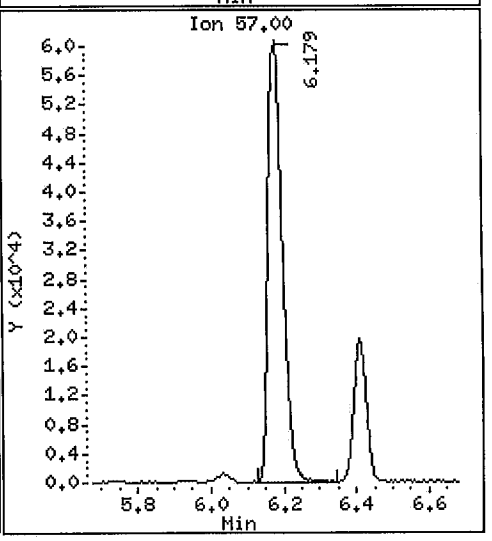


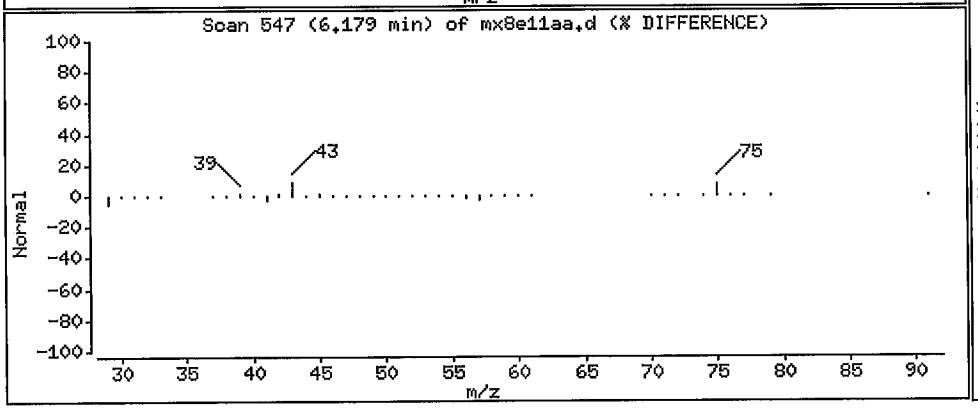












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

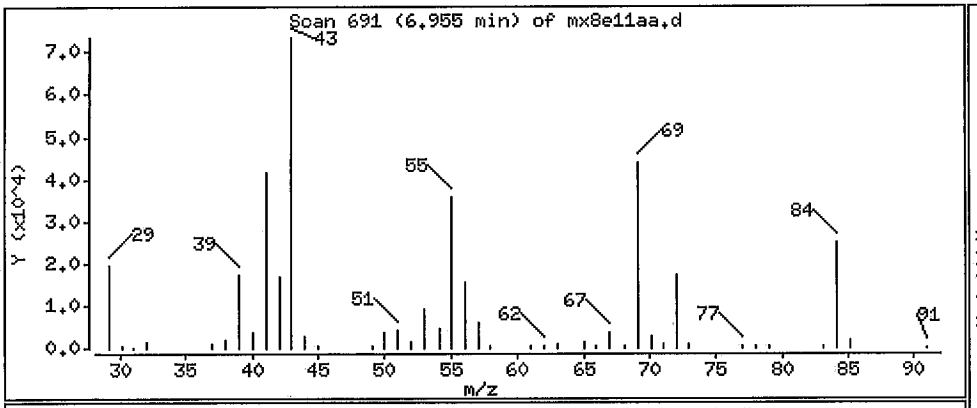
Client ID: 828076-SS-003B4-02 Instrument: mg.i

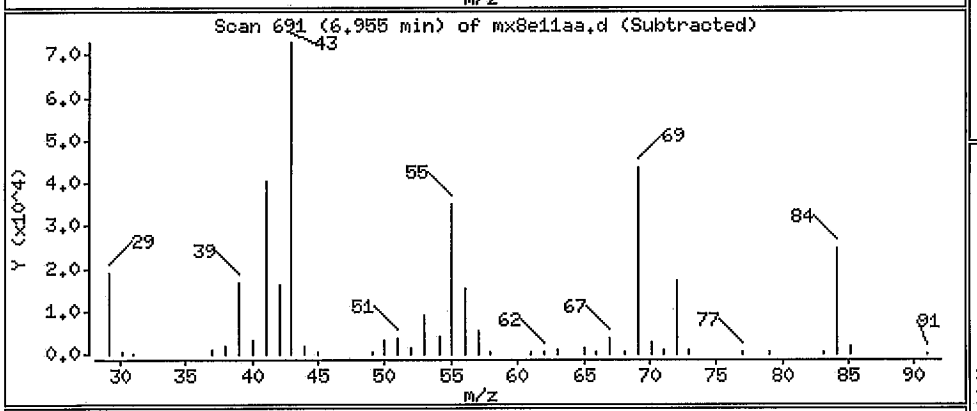
Sample Info: ,2.5,0,,,

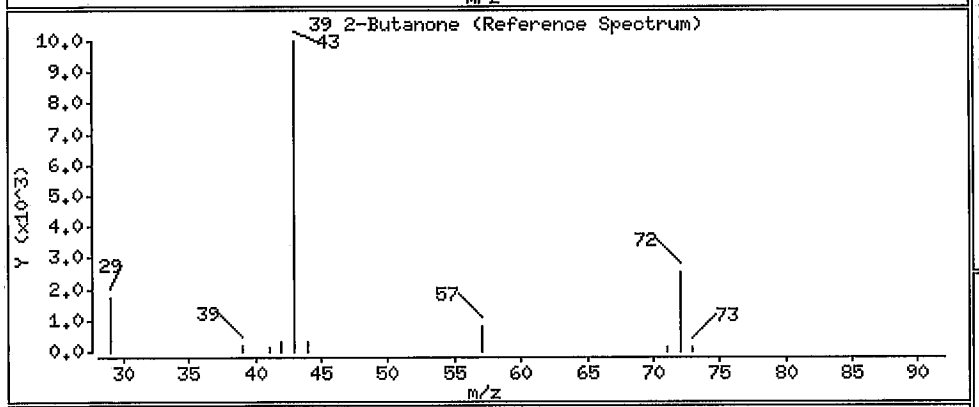
Purge Volume: 500.0 Operator: 7126

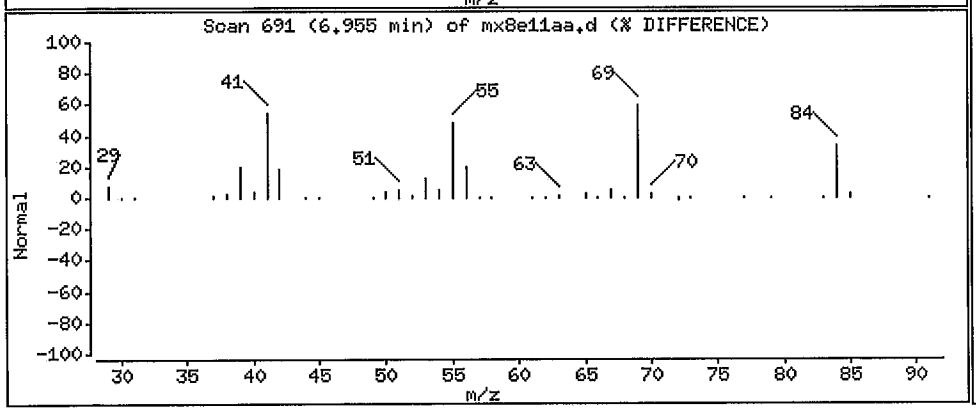
Column phase: Rtx-5 Column diameter: 0.32

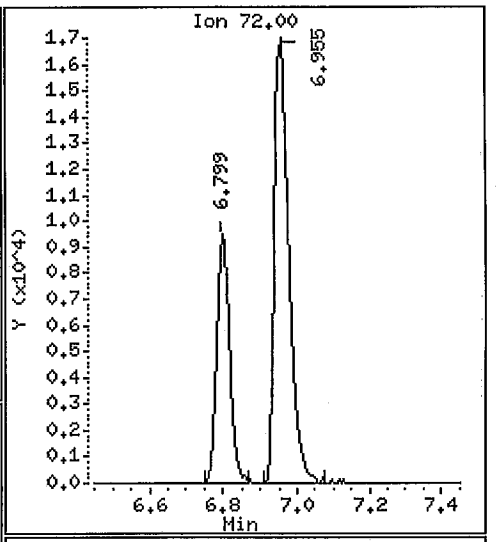
39 2-Butanone Concentration: 1.770 ppb(v/v)

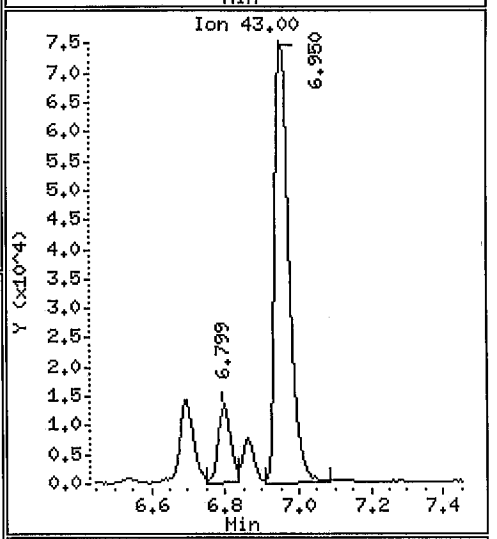


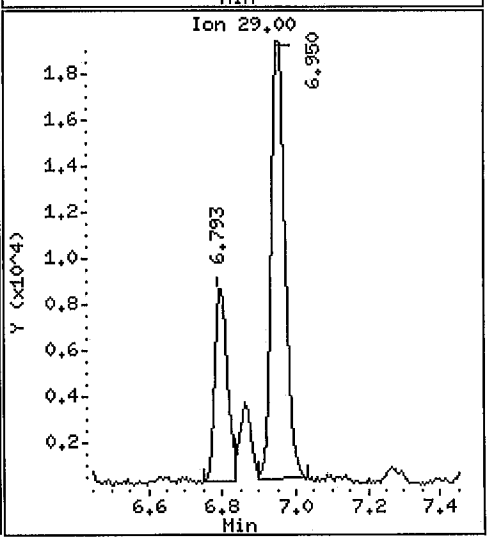












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

Client ID: 828076-SS-003B4-02

Instrument: mg.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

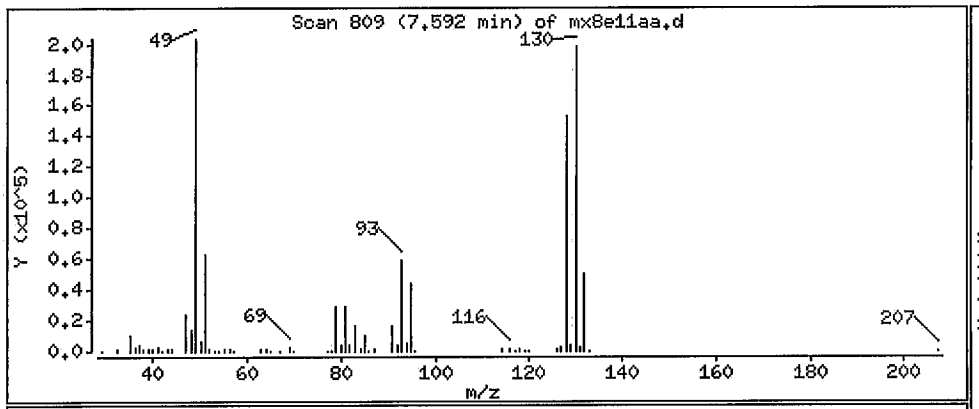
Operator: 7126

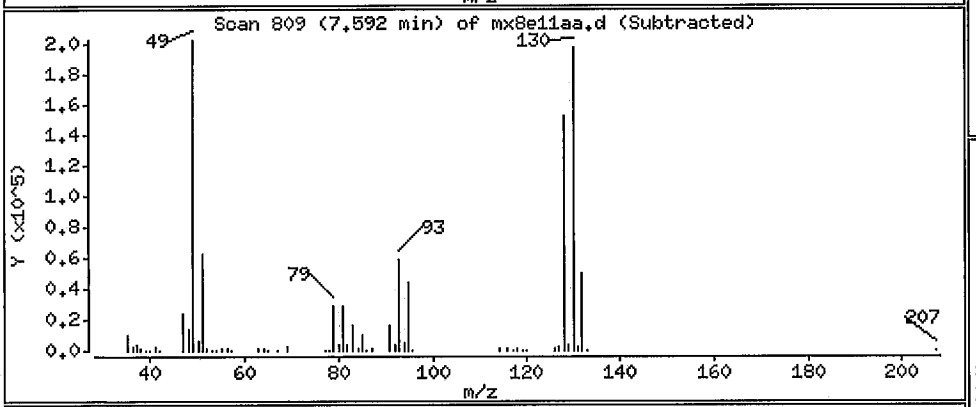
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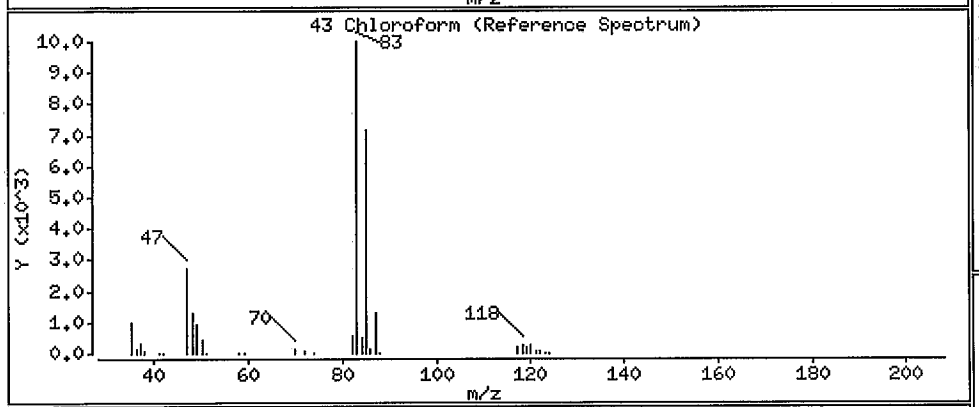
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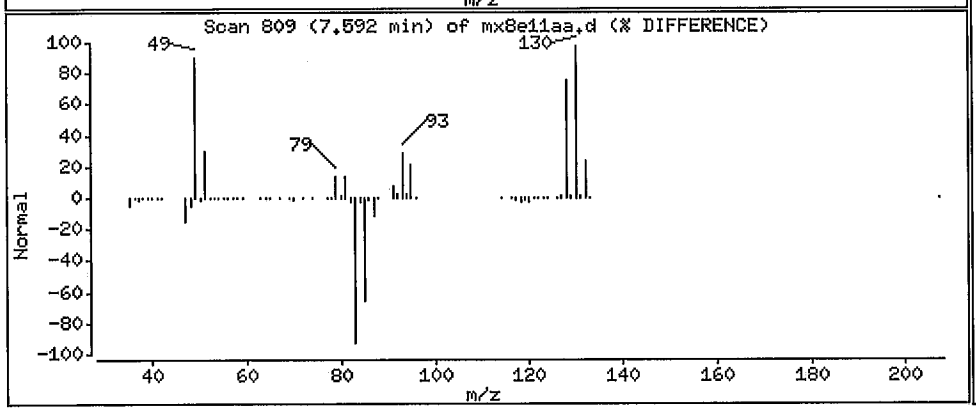
43 Chloroform

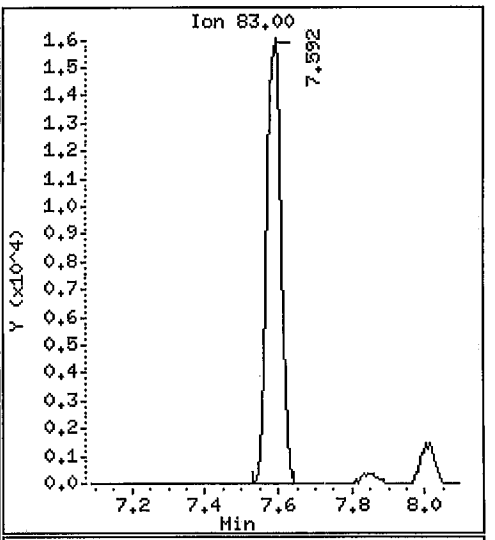
Concentration: 0.3312 ppb(v/v)

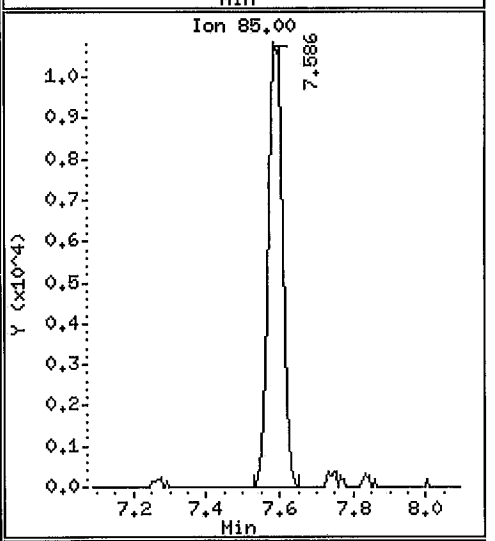


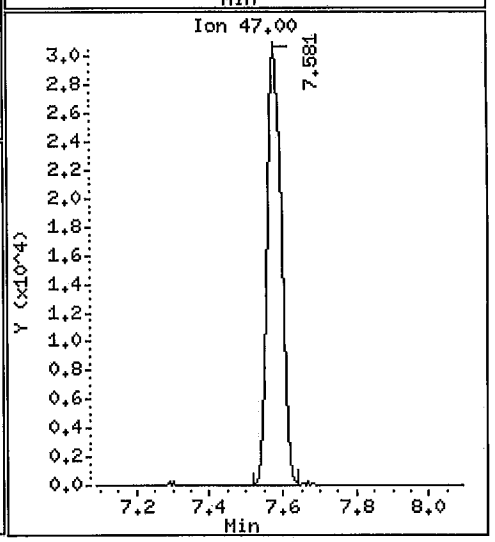












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

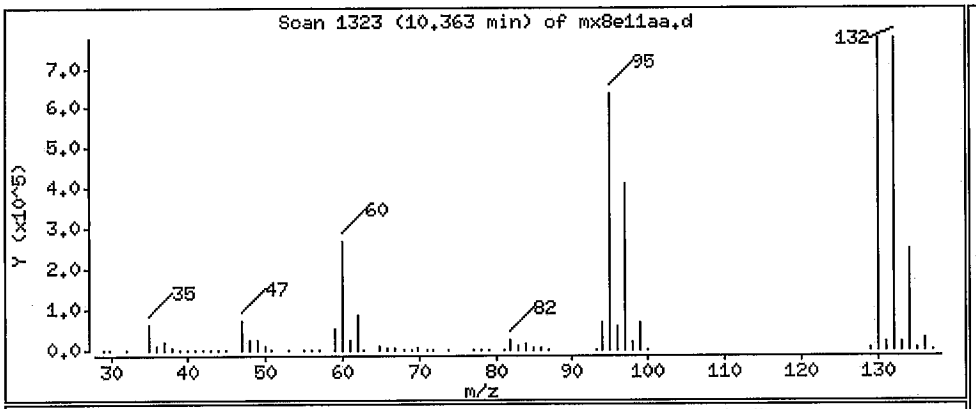
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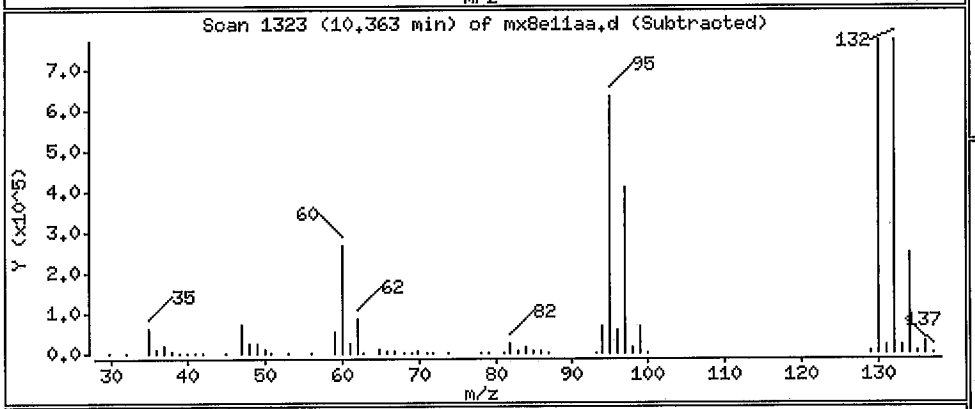
Sample Info: ,2.5,0,,,

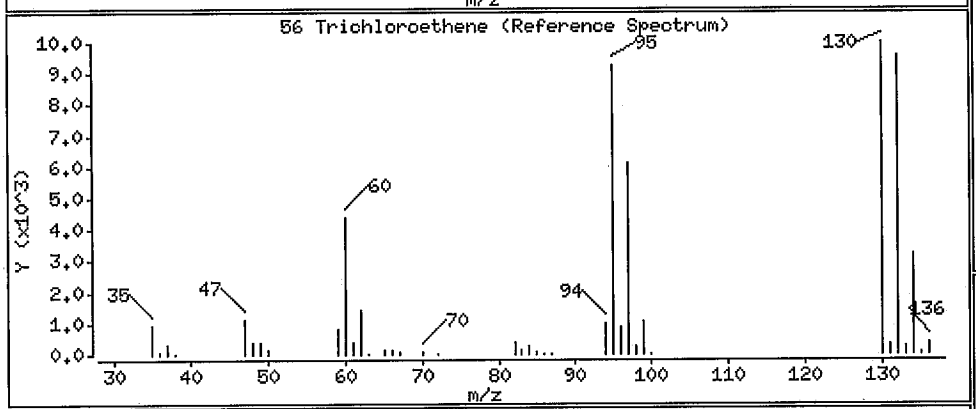
Purge Volume: 500.0 Operator: 7126

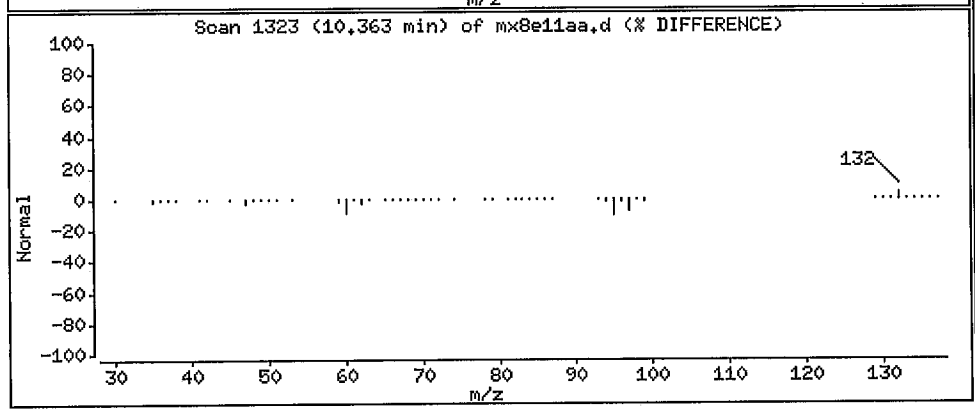
Column phase: Rtx-5 Column diameter: 0.32

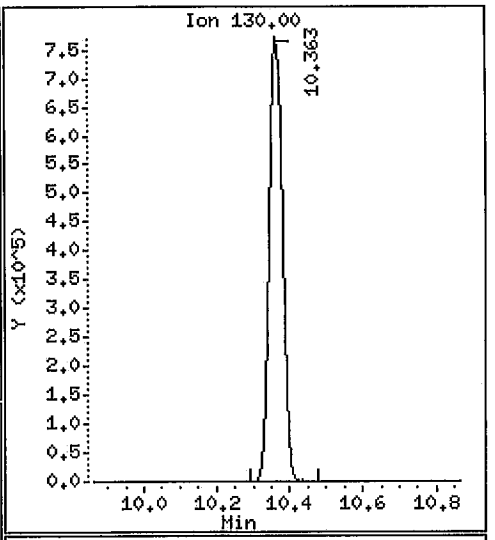
56 Trichloroethene Concentration: 19.63 ppb(v/v)

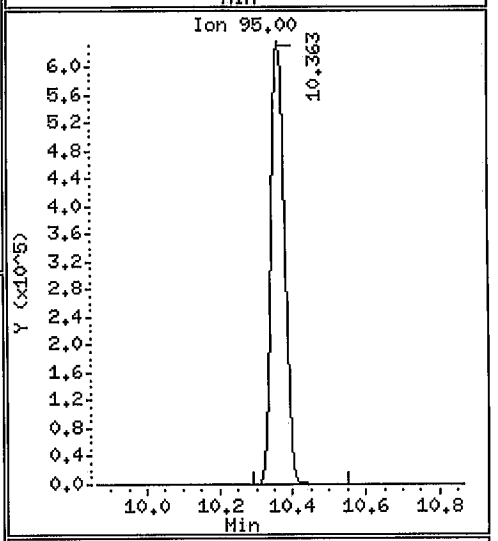


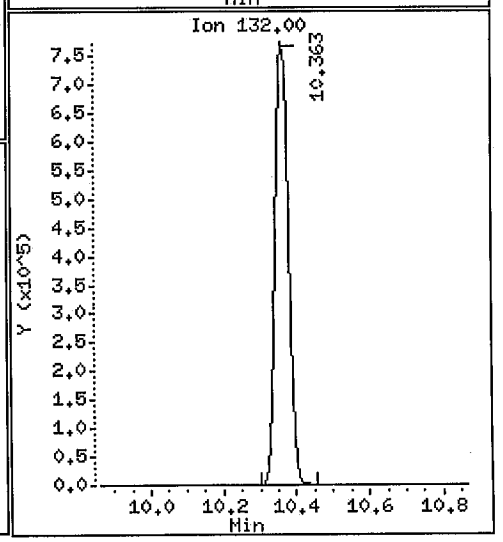












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

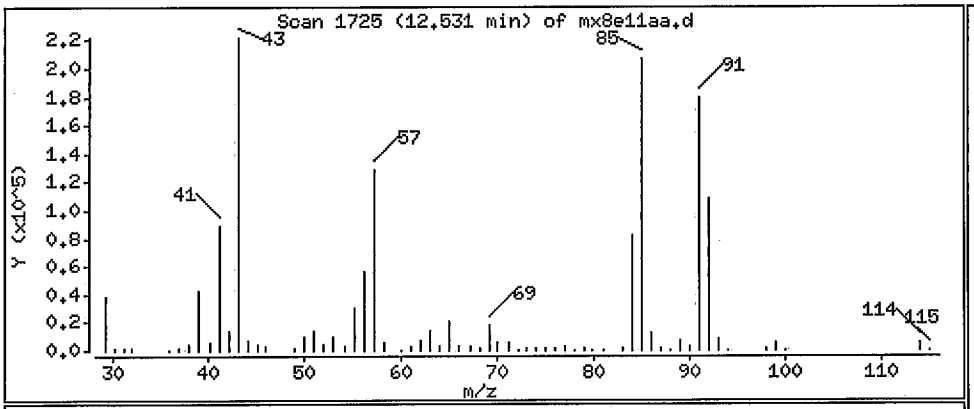
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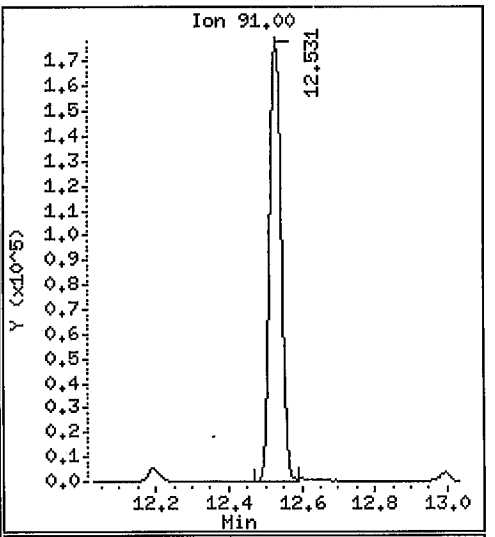
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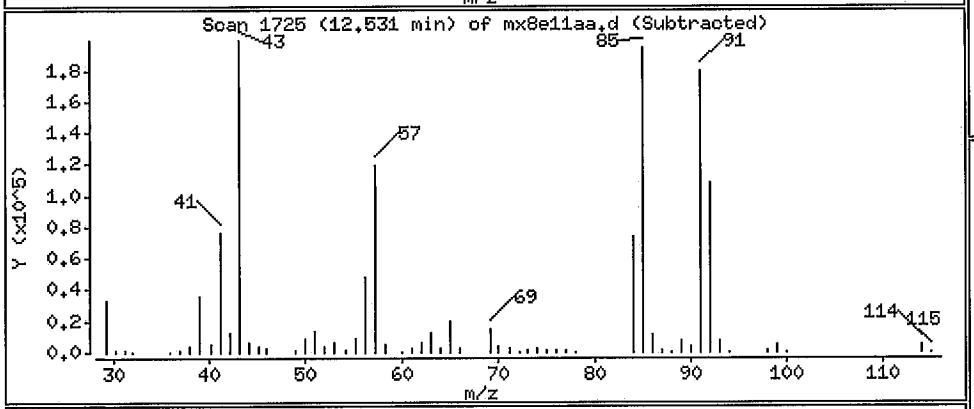
Purge Volume: 500.0 Operator: 7126

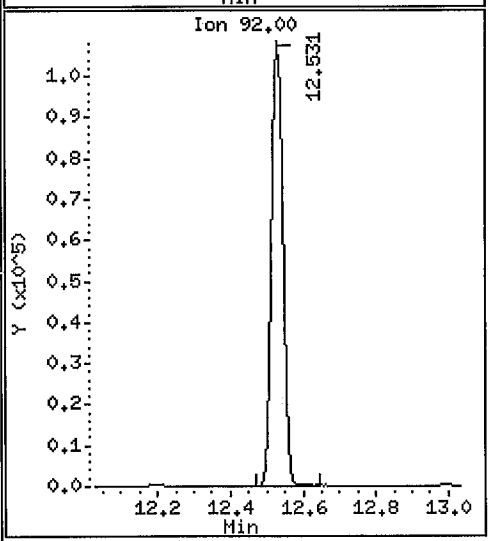
Column phase: Rtx-5 Column diameter: 0.32

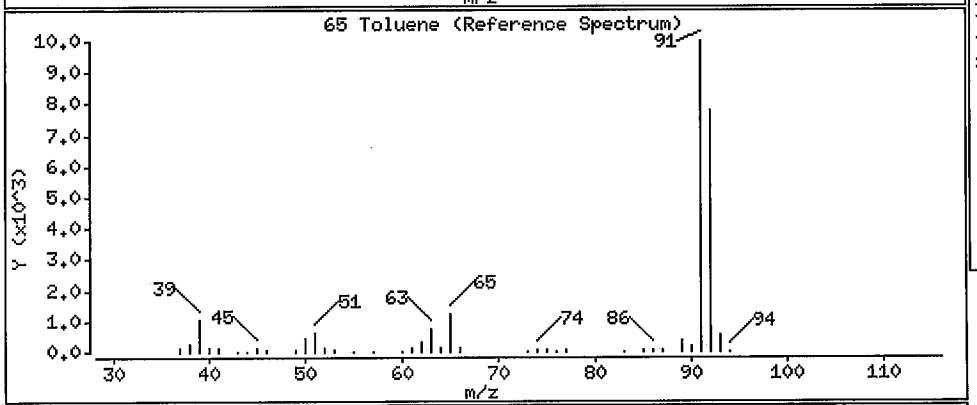
65 Toluene Concentration: 1.888 ppb(v/v)

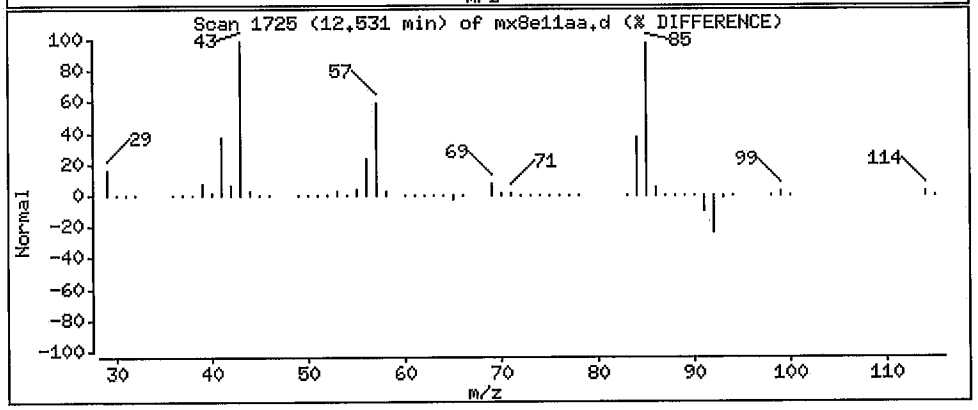












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

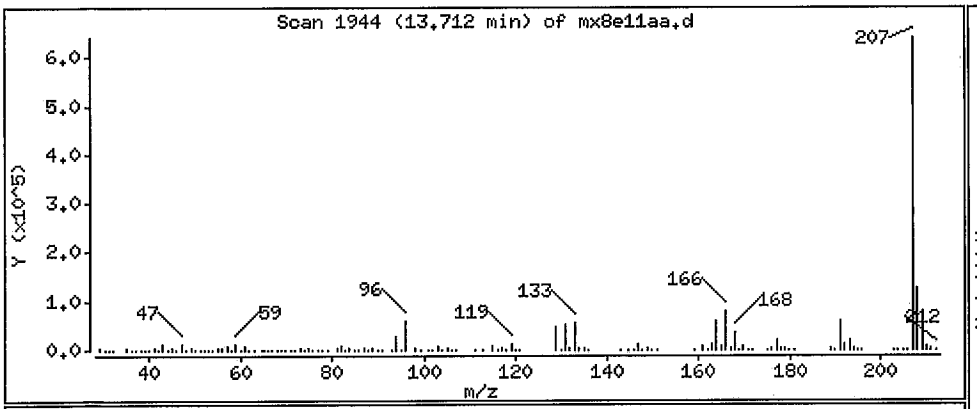
Client ID: 828076-SS-003B4-02 Instrument: mg.i

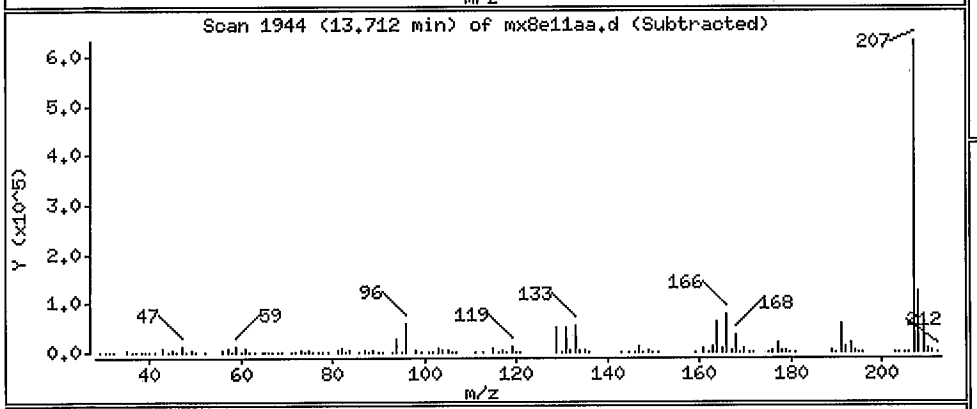
Sample Info: ,2,5,0,,,

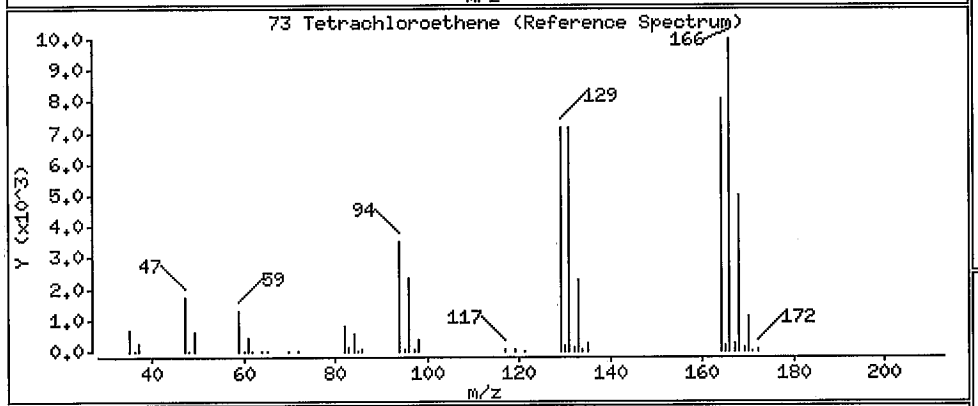
Purge Volume: 500.0 Operator: 7126

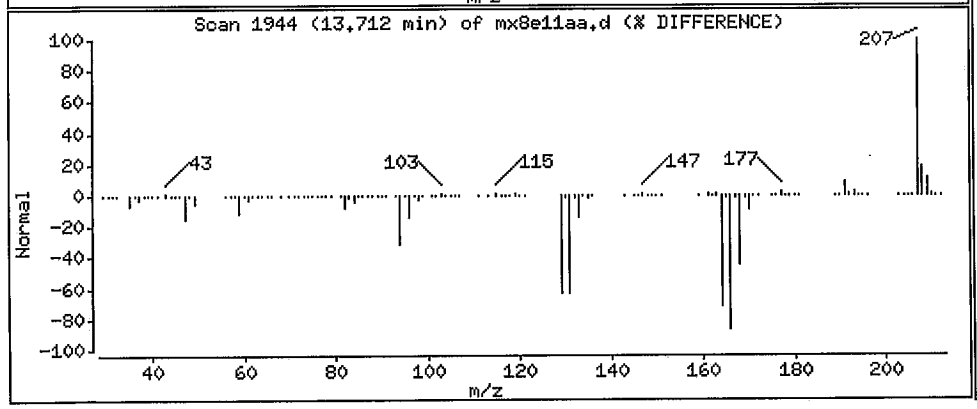
Column phase: Rtx-5 Column diameter: 0.32

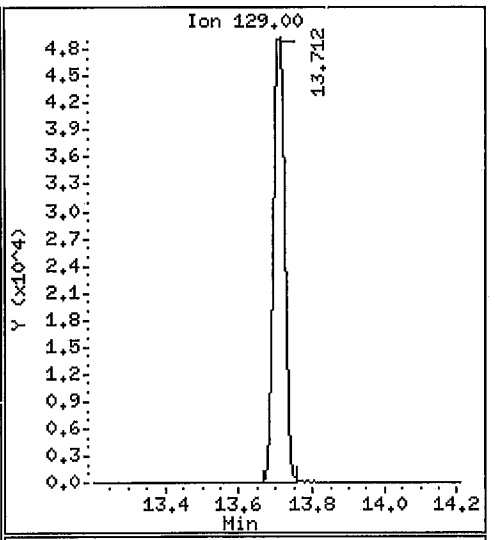
73 Tetrachloroethene Concentration: 1,280 ppb(v/v)

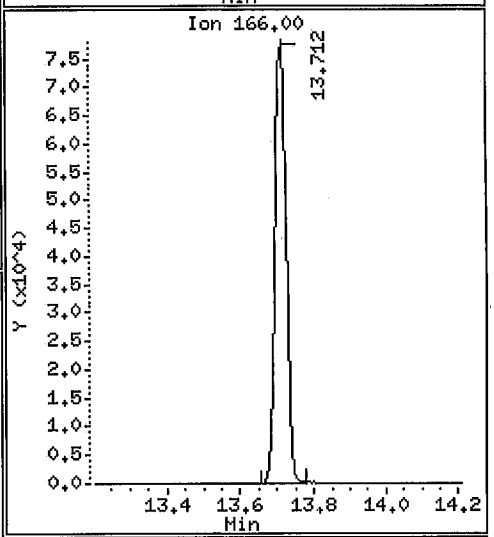


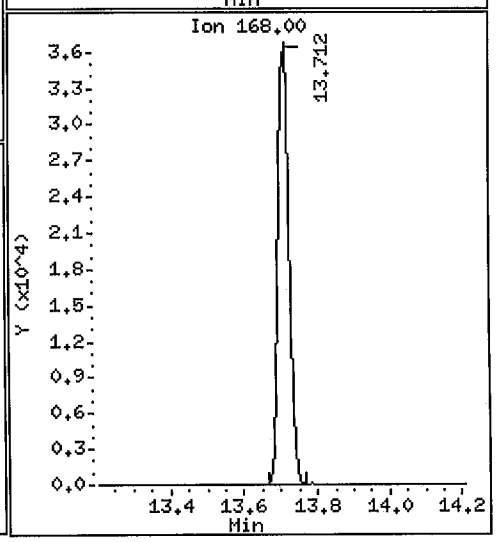












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

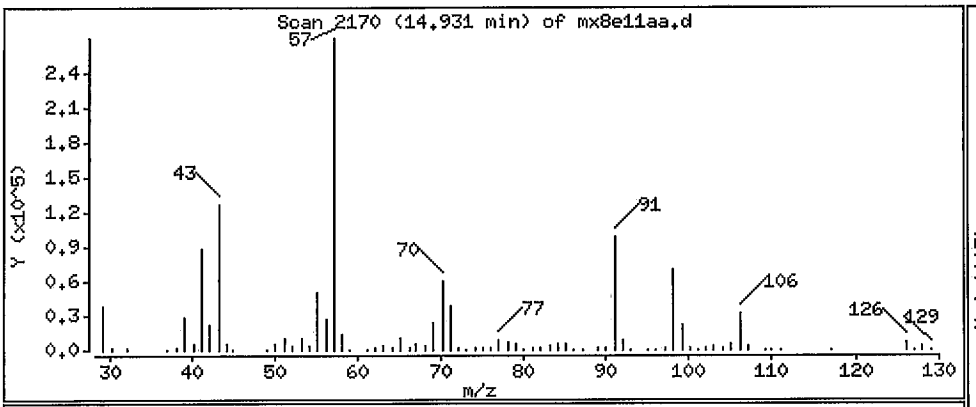
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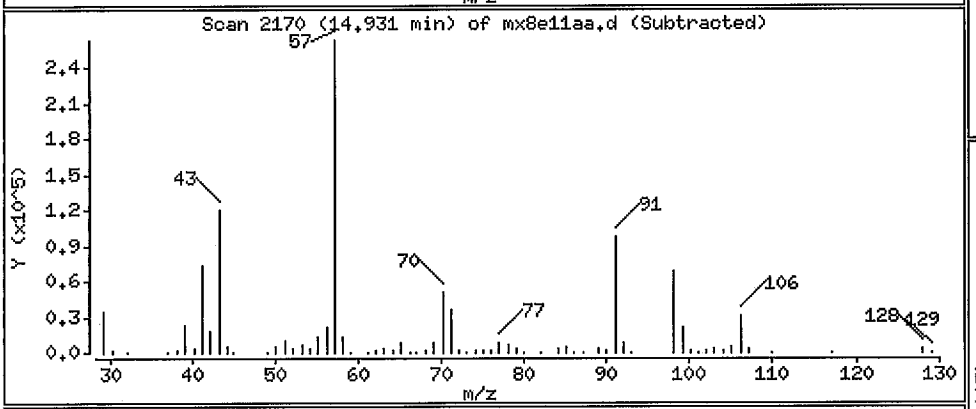
Sample Info: ,2,5,0,,,

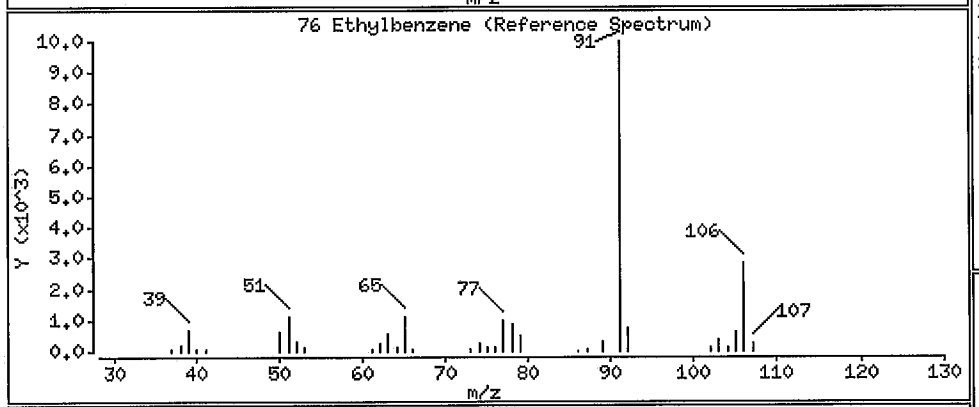
Purge Volume: 500.0 Operator: 7126

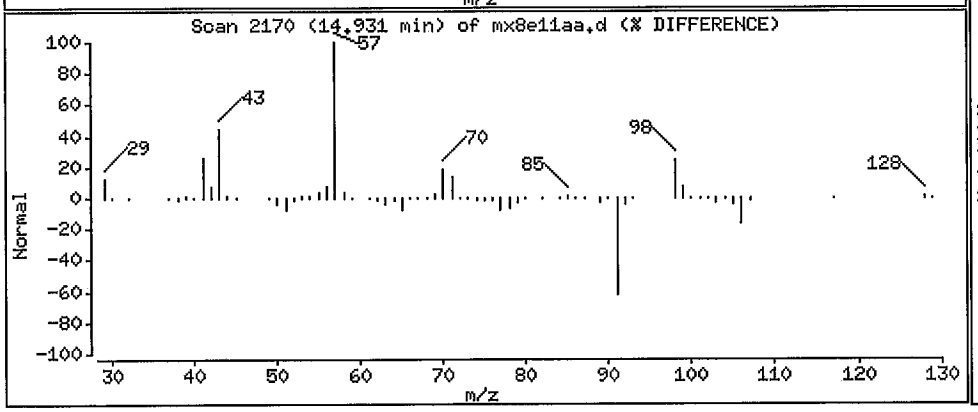
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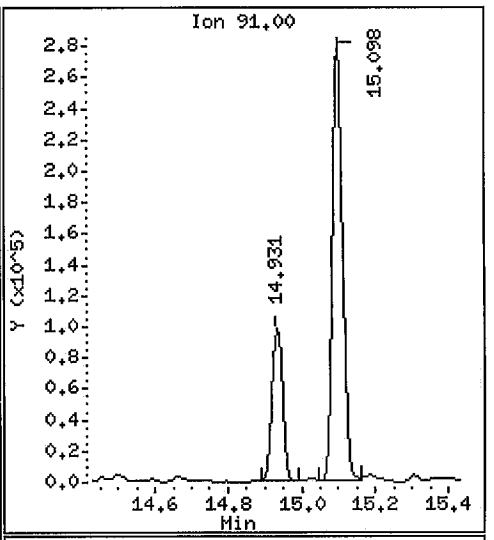
76 Ethylbenzene Concentration: 0.7491 ppb(v/v)

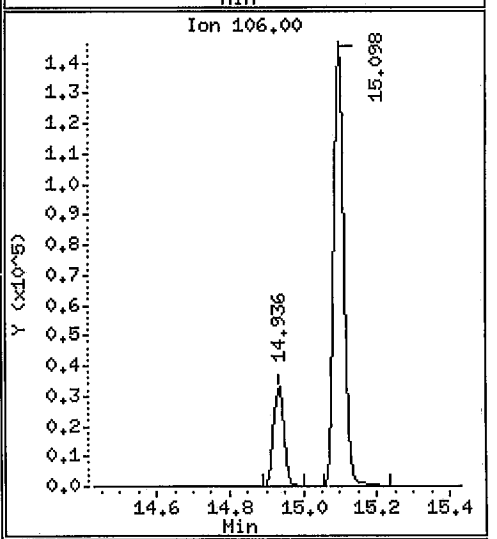


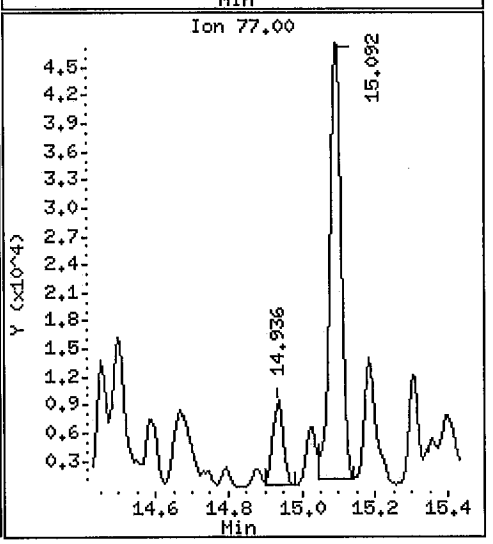












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

Client ID: 828076-SS-003B4-02

Instrument: mg.i

Sample Info: ,2.5,0,,,

Purge Volume: 500.0

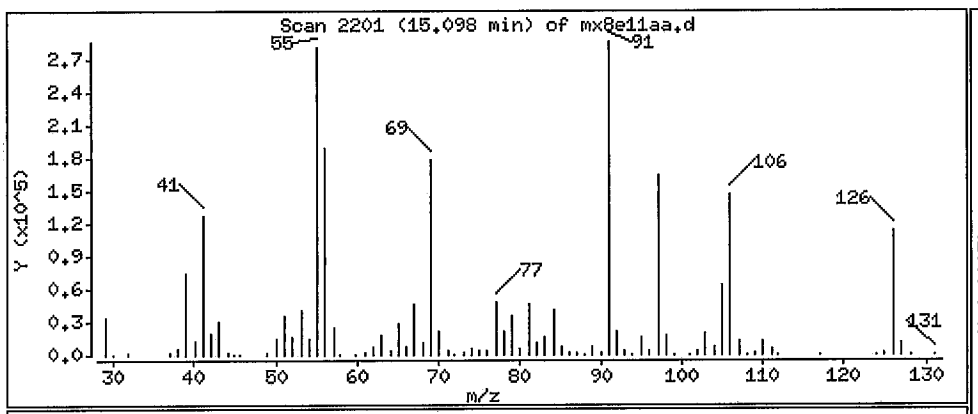
Operator: 7126

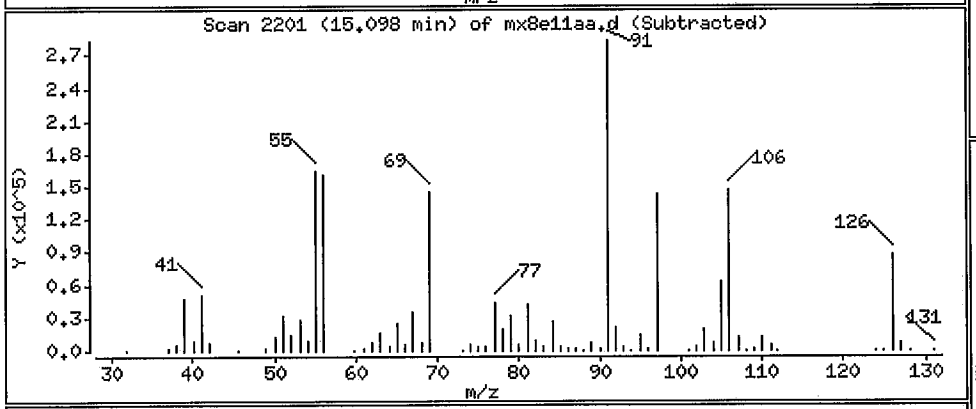
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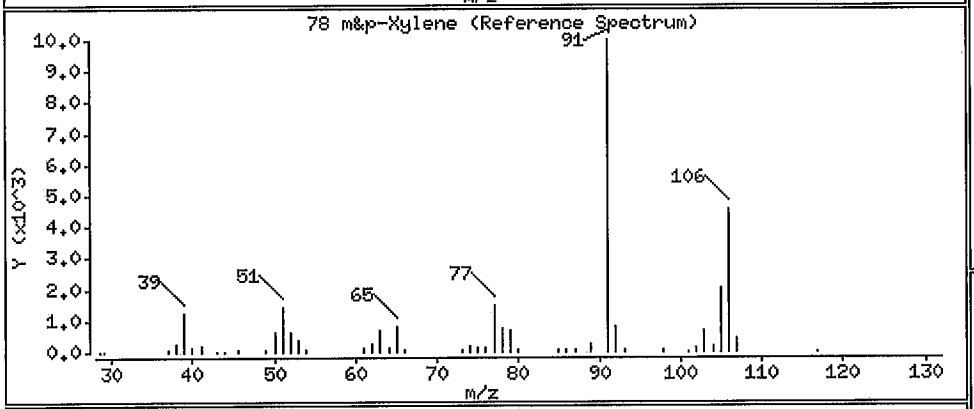
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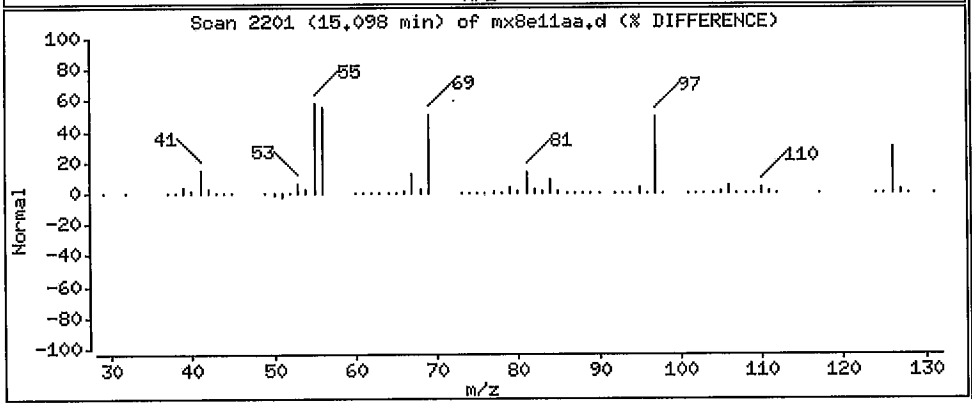
78 m&p-Xylene

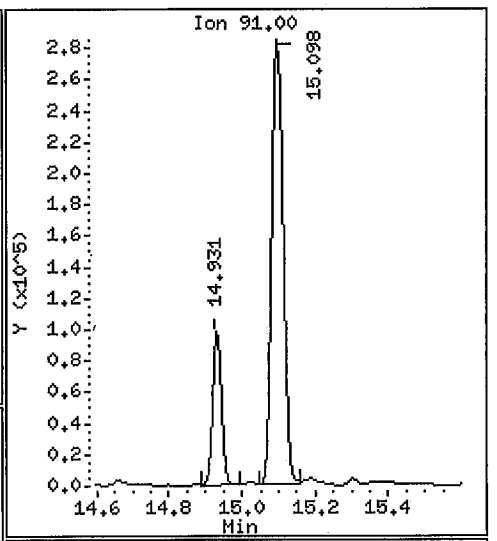
Concentration: 3.111 ppb(v/v)

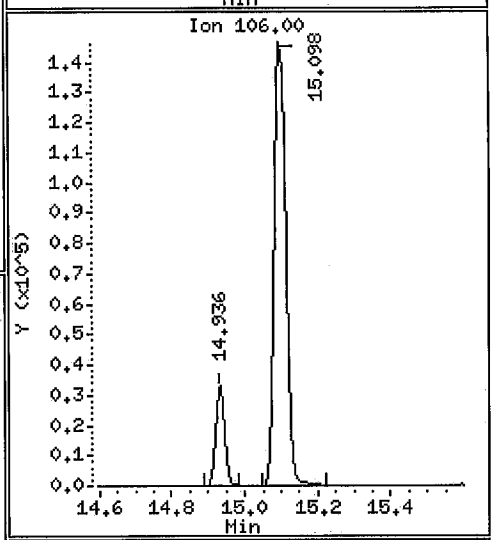


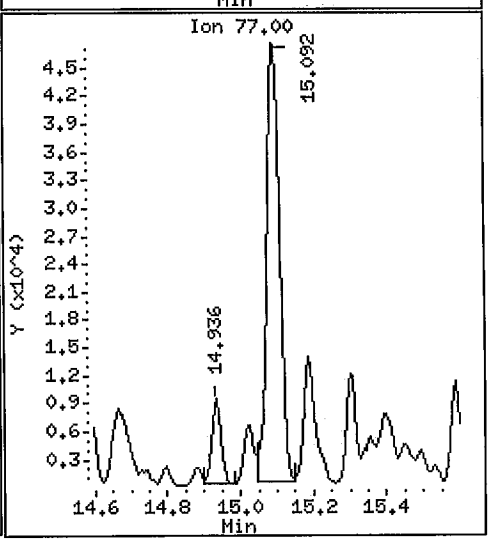












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

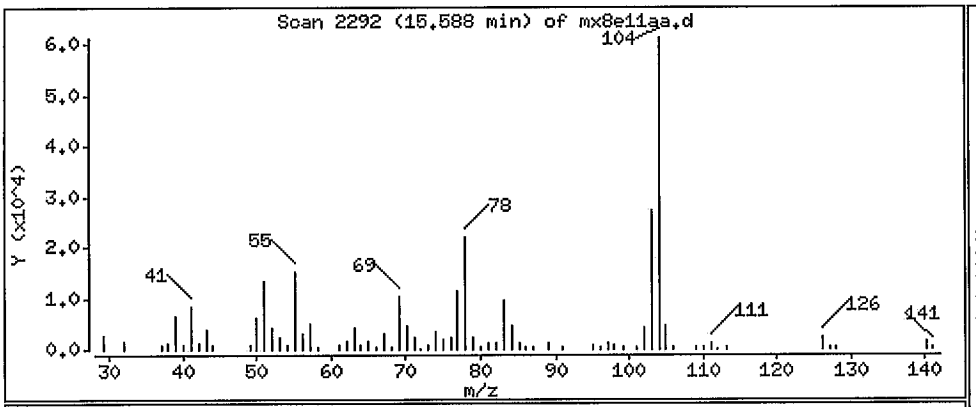
Client ID: 828076-SS-003B4-02 Instrument: mg.i

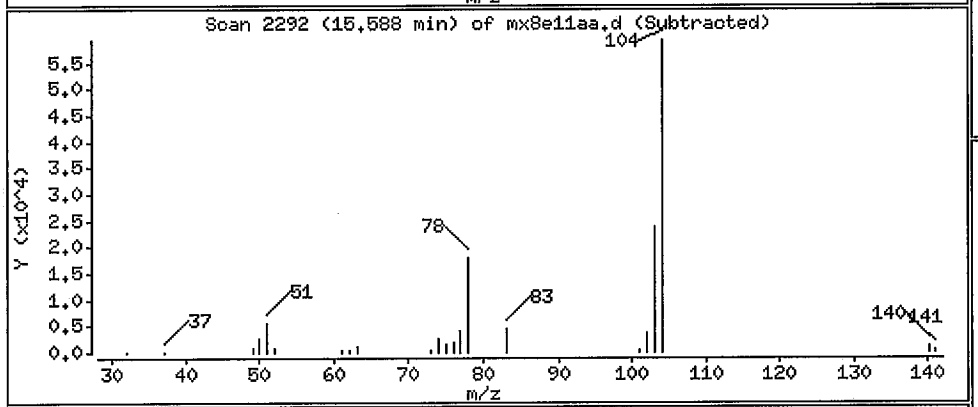
Sample Info: ,2,5,0,,,

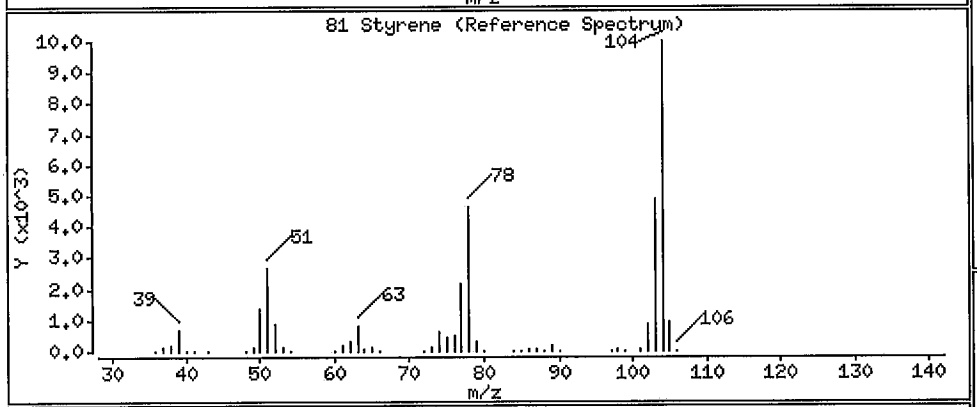
Purge Volume: 500.0 Operator: 7126

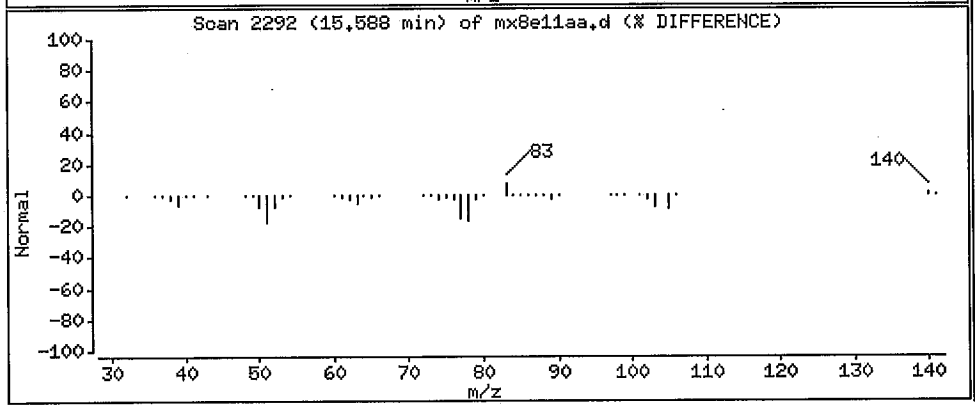
Column phase: Rtx-5 Column diameter: 0.32

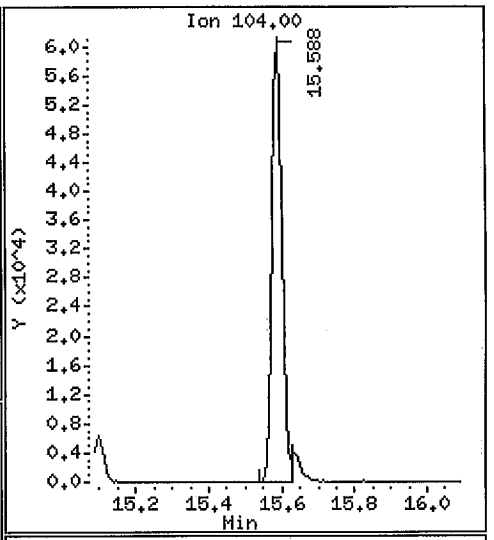
81 Styrene Concentration: 0.7869 ppb(v/v)

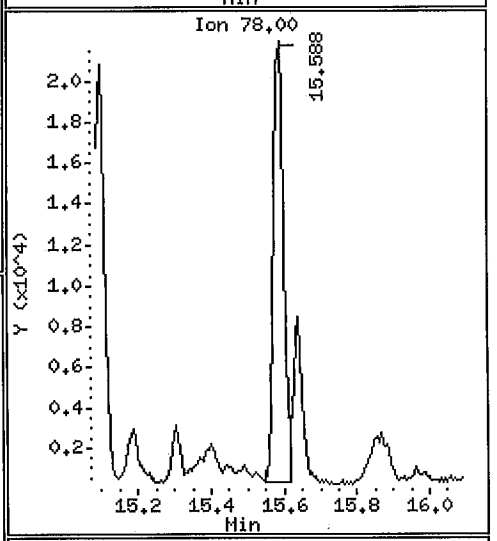


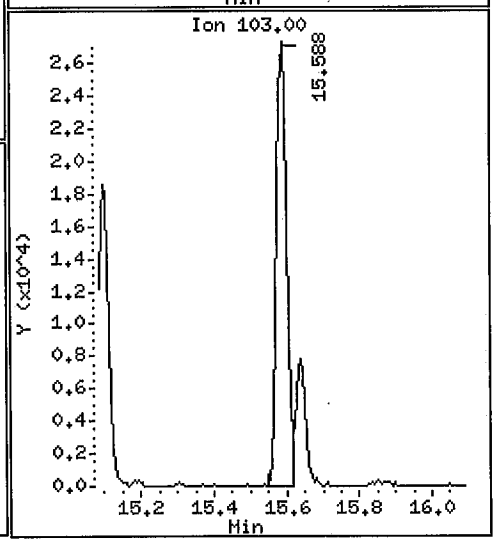












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

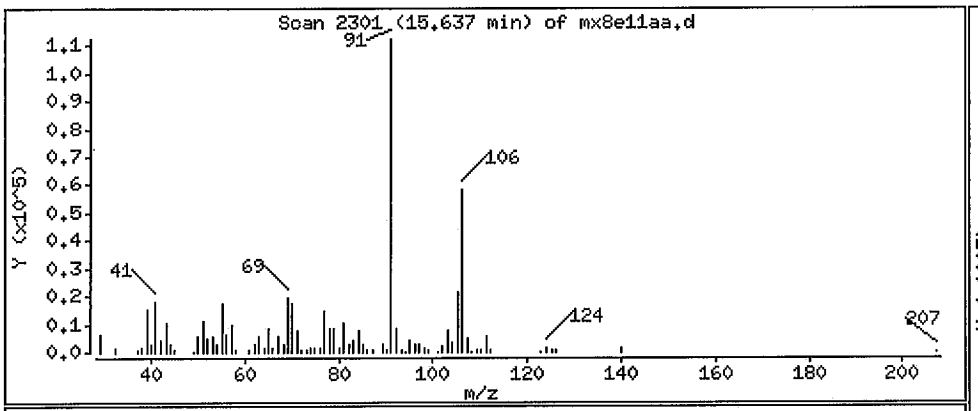
Client ID: 828076-SS-003B4-02 Instrument: mg.i

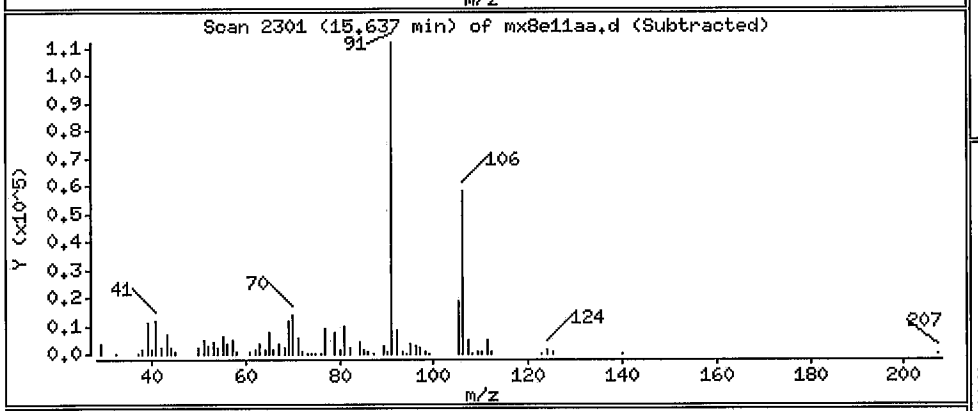
Sample Info: ,2.5,0,,,

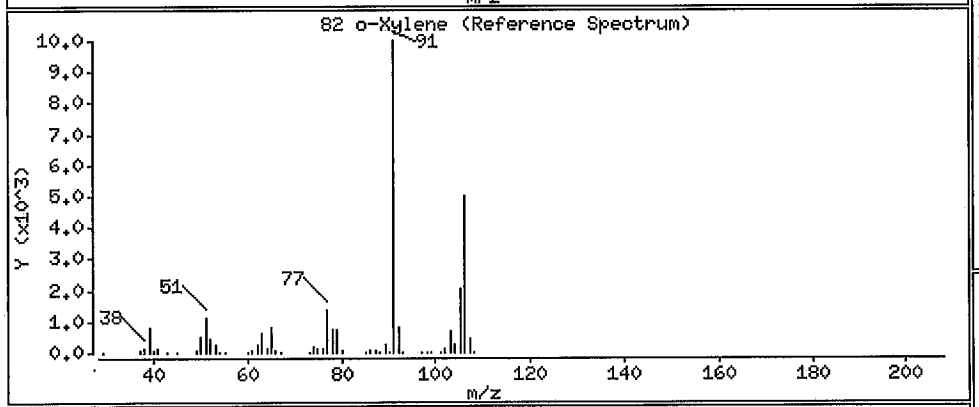
Purge Volume: 500.0 Operator: 7126

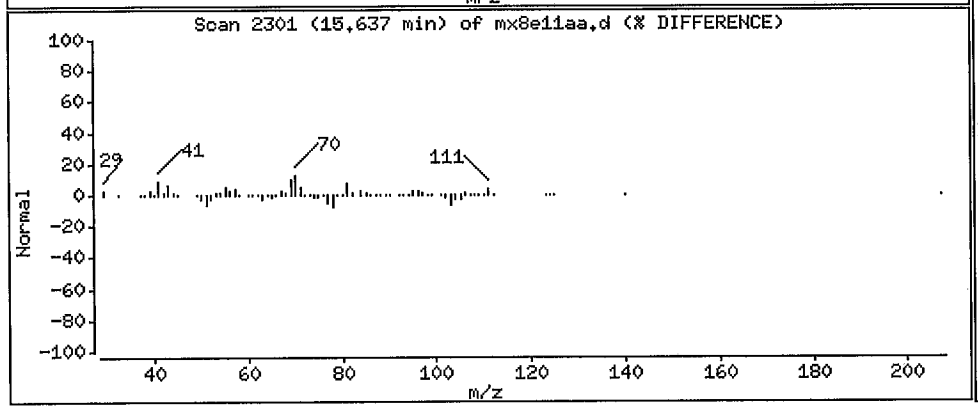
Column phase: Rtx-5 Column diameter: 0.32

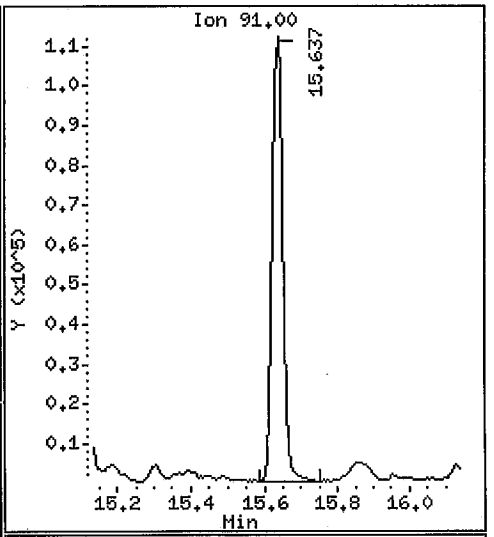
82 o-Xylene Concentration: 1.107 ppb(v/v)

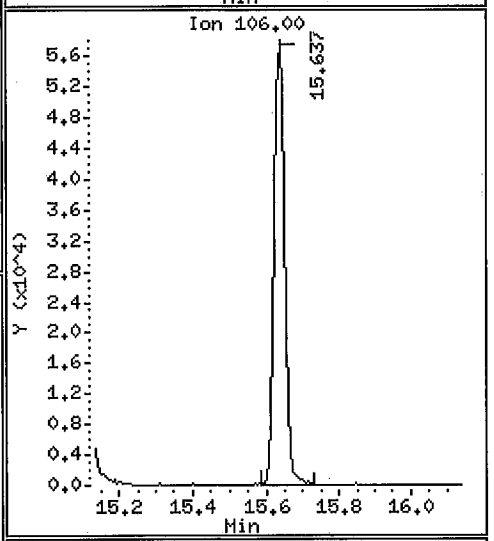


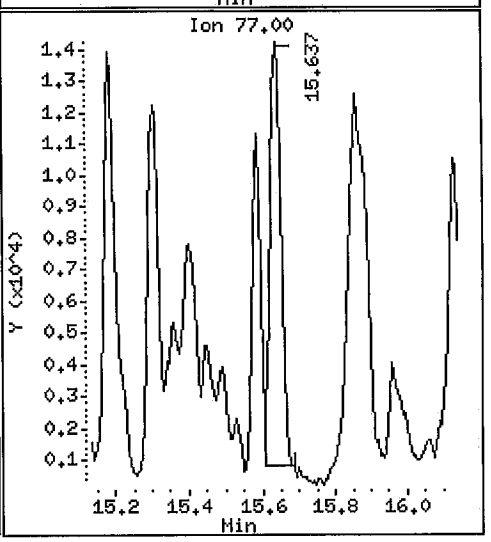












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

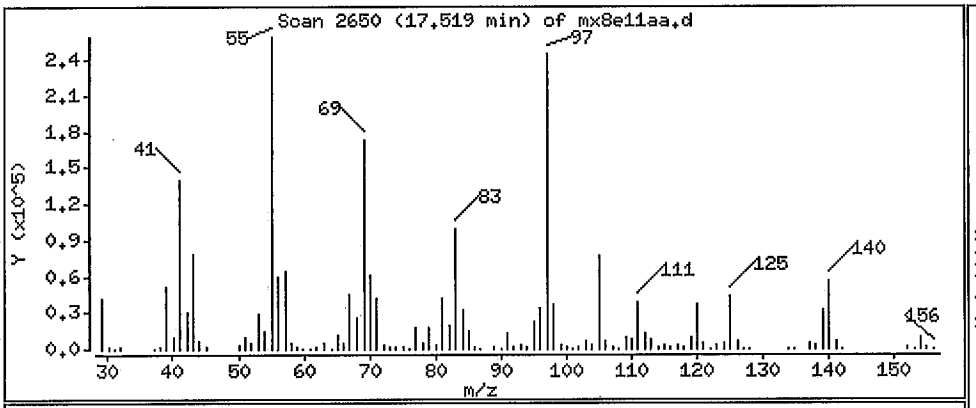
Client ID: 828076-SS-003B4-02 Instrument: mg.i

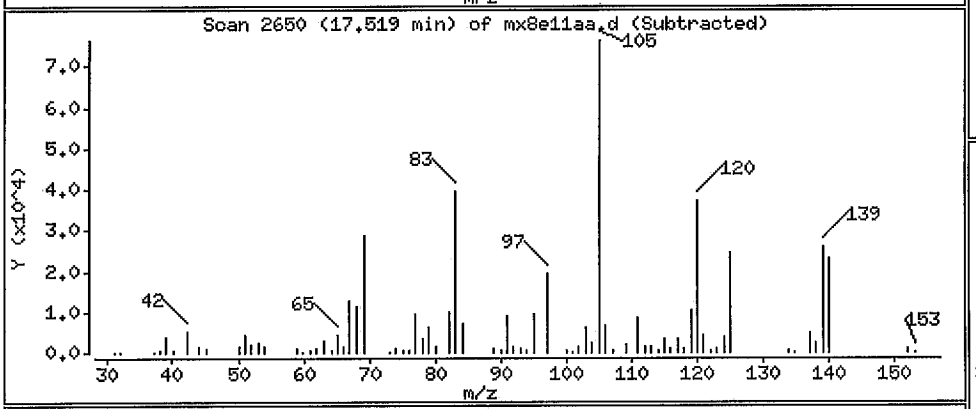
Sample Info: ,2,5,0,,,

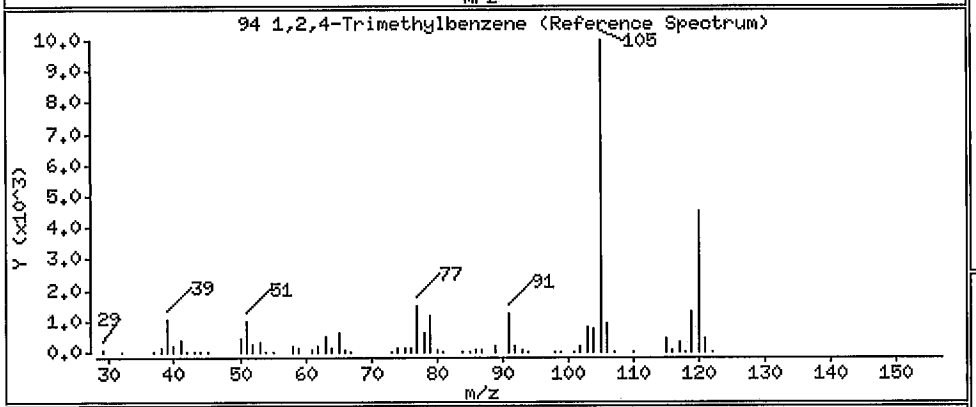
Purge Volume: 500.0 Operator: 7126

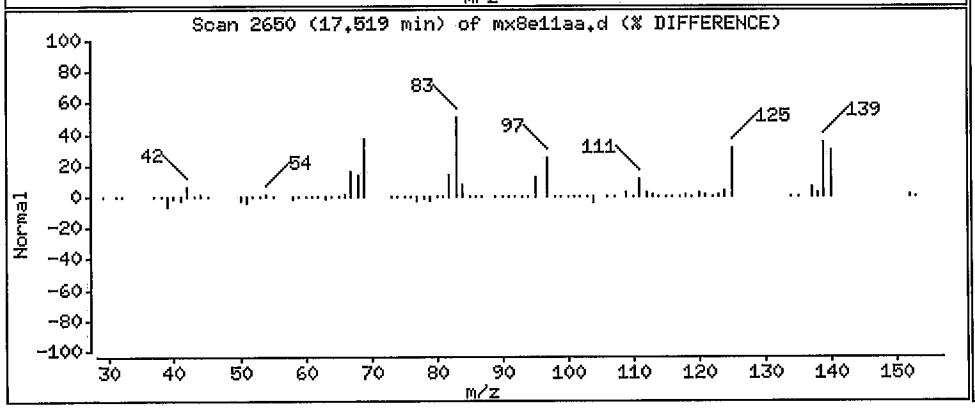
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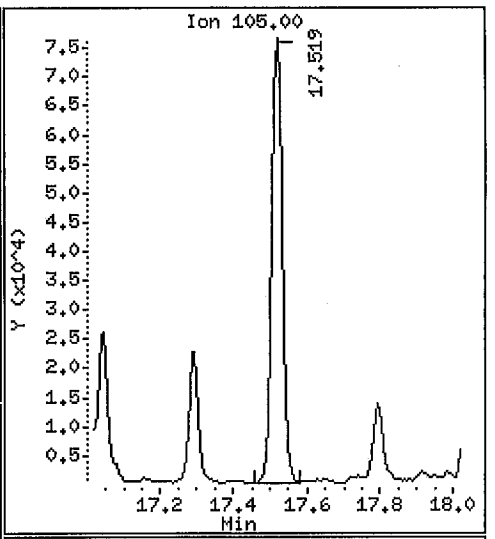
94 1,2,4-Trimethylbenzene Concentration: 0.6326 ppb(v/v)

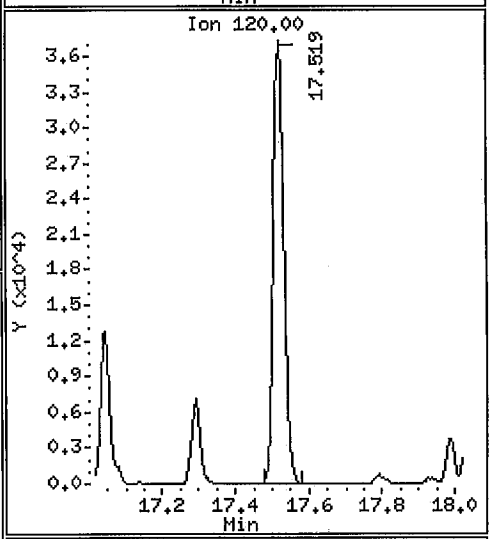


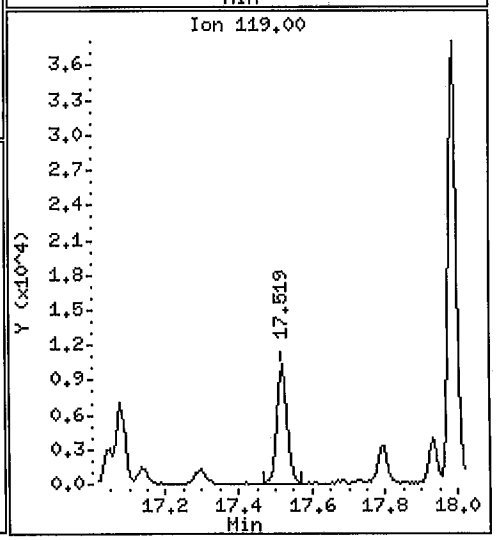












Data File: /var/chem/gcms/mg.i/G030413.b/mx8e11aa.d

Date : 04-MAR-2013 15:10

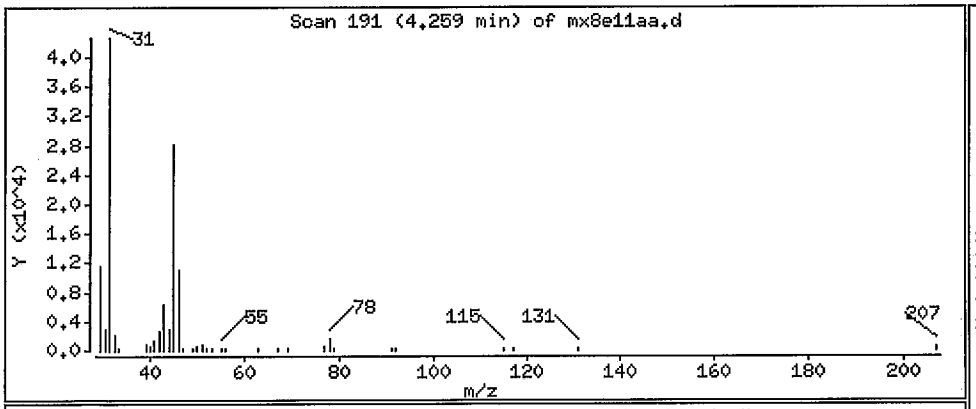
Client ID: 828076-SS-003B4-02 Instrument: mg.i

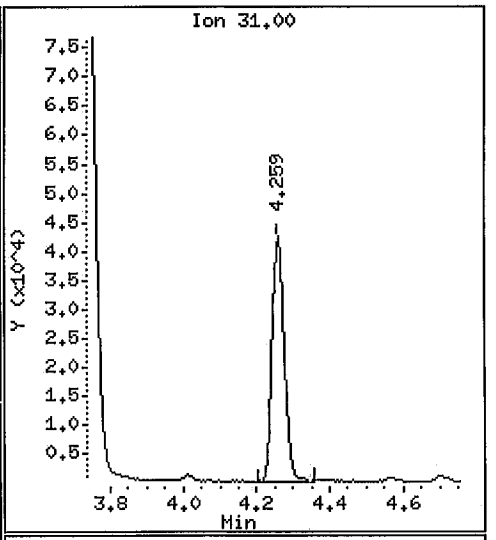
Sample Info: ,2.5,0,,,

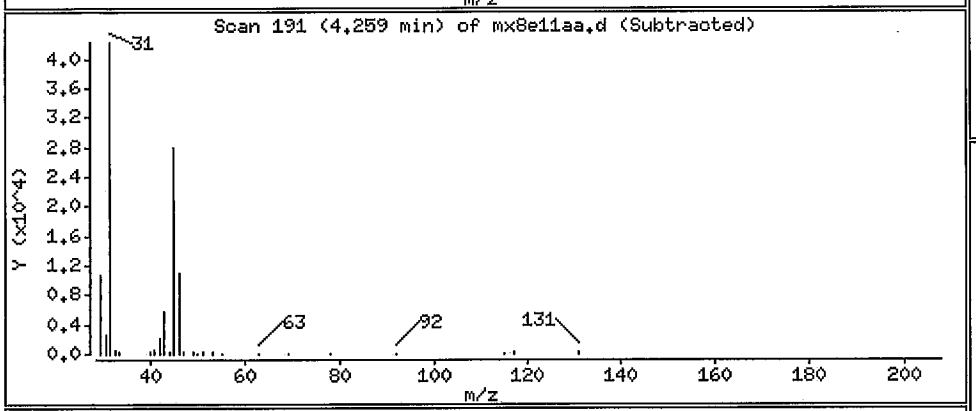
Purge Volume: 500.0 Operator: 7126

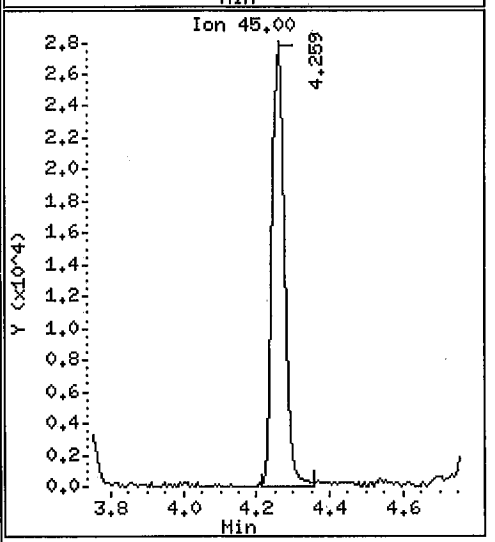
Column phase: Rtx-5 Column diameter: 0.32

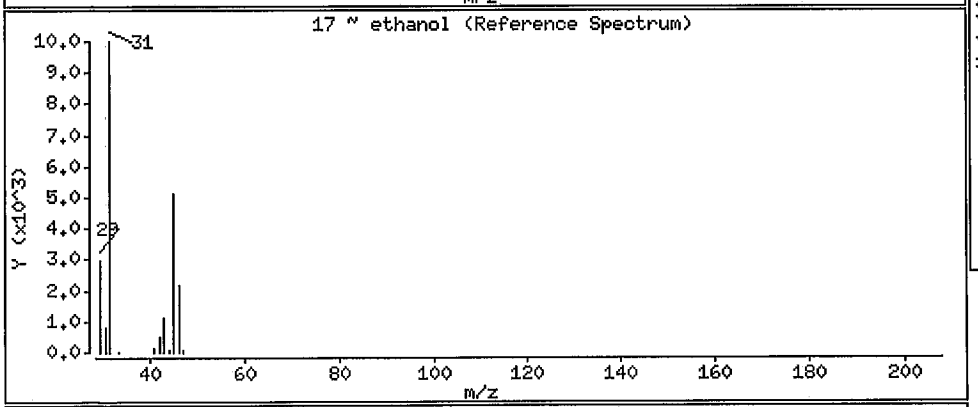
17 ^ ethanol Concentration: 5.998 ppb(v/v)

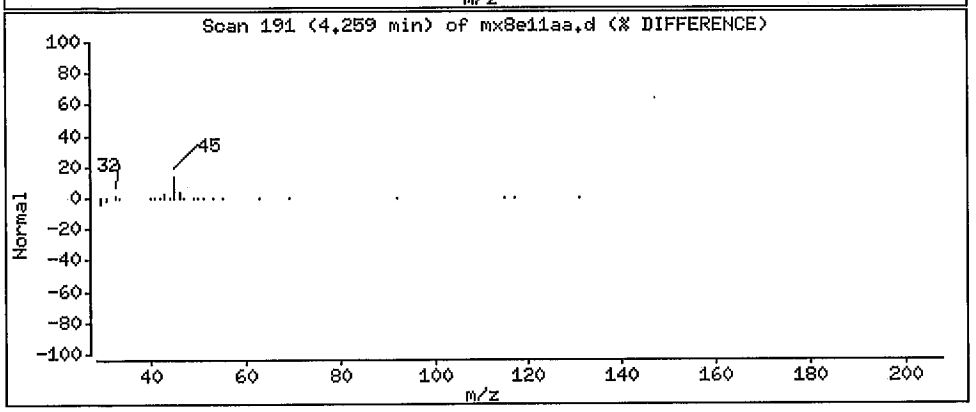












New York State D.E.C.

Client Sample ID: 828076-SS-003B6-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 019 **Work Order #** MX8E21AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/02/2013 **Analysis Date...** 03/03/2013
Prep Batch #.....: 3063014
Dilution Factor.: 25 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	2.0	ND	11
1,1,2,2-Tetrachloroethane	ND	2.0	ND	14
1,1,2-Trichlorotrifluoroethane	ND	2.0	ND	15
1,1,2-Trichloroethane	ND	2.0	ND	11
1,1-Dichloroethane	ND	2.0	ND	8.1
1,1-Dichloroethene	ND	2.0	ND	7.9
1,2,4-Trichlorobenzene	ND	2.0	ND	15
1,2,4-Trimethylbenzene	ND	2.0	ND	9.8
1,2-Dibromoethane (EDB)	ND	2.0	ND	15
1,2-Dichlorobenzene	ND	2.0	ND	12
1,2-Dichloroethane	ND	2.0	ND	8.1
1,2-Dichloropropane	ND	2.0	ND	9.2
1,3,5-Trimethylbenzene	ND	2.0	ND	9.8
1,4-Dichlorobenzene	ND	2.0	ND	12
1,4-Dioxane	ND	5.0	ND	18
2-Butanone (MEK)	ND	8.0	ND	24
1,3-Dichlorobenzene	ND	2.0	ND	12
2,2,4-Trimethylpentane	ND	5.0	ND	23
Benzene	ND	2.0	ND	6.4
Benzyl chloride	ND	4.0	ND	21
Bromodichloromethane	ND	2.0	ND	13
Bromoform	ND	2.0	ND	21
Bromomethane	ND	2.0	ND	7.8
Carbon tetrachloride	ND	1.0	ND	6.3
Chlorobenzene	ND	2.0	ND	9.2
Chloroethane	ND	2.0	ND	5.3
Chloroform	ND	2.0	ND	9.8
Cyclohexane	ND	5.0	ND	17
Chloromethane	ND	5.0	ND	10
cis-1,2-Dichloroethene	ND	2.0	ND	7.9
cis-1,3-Dichloropropene	ND	2.0	ND	9.1
Dibromochloromethane	ND	2.0	ND	17
Dichlorodifluoromethane	ND	2.0	ND	9.9
Ethanol	**120**	**20**	**220**	**38**
Ethylbenzene	ND	2.0	ND	8.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND	14
n-Hexane	ND	5.0	ND	18

New York State D.E.C.

Client Sample ID: 828076-SS-003B6-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 019 **Work Order #** MX8E21AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	2.0	ND	21
4-Methyl-2-pentanone (MIBK)	ND	5.0	ND	20
Methyl tert-butyl ether	ND	4.0	ND	14
Methylene chloride	ND	5.0	ND	17
Styrene	ND	2.0	ND	8.5
tert-Butyl alcohol	ND	8.0	ND	24
Tetrachloroethene	**4.4**	**2.0**	**30**	**14**
Toluene	**5.7**	**2.0**	**21**	**7.5**
m-Xylene & p-Xylene	**2.7**	**2.0**	**12**	**8.7**
o-Xylene	ND	2.0	ND	8.7
trans-1,2-Dichloroethene	ND	2.0	ND	7.9
trans-1,3-Dichloropropene	ND	2.0	ND	9.1
Trichloroethene	**130**	**1.0**	**710**	**5.4**
Trichlorofluoromethane	ND	2.0	ND	11
Vinyl chloride	ND	2.0	ND	5.1

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	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/mg.i/G030213.b/mx8e21aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d
Lab Smp Id: MX8E21AA Client Smp ID: 828076-SS-003B6-01
Inj Date : 03-MAR-2013 01:17
Operator : 403648 Inst ID: mg.i
Smp Info : ,25,0,,,
Misc Info : G030213,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030213.b/TO15.m
Meth Date : 04-Mar-2013 09:32 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 12
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	25.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	7.576	7.581	(1.000)	397415	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.646	9.651	(1.000)	1789478	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.586	14.591	(1.000)	1629292	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.279	16.284	(1.116)	1113530	3.85460	3.855
56 Trichloroethene	130	10.363	10.363	(1.074)	992218	5.28420	132.1
65 Toluene	91	12.531	12.531	(0.859)	97615	0.22616	5.654
73 Tetrachloroethene	129	13.707	13.712	(0.940)	30048	0.17749	4.437
78 m&p-Xylene	91	15.098	15.103	(1.035)	44648	0.10801	2.700
17 ~ ethanol	31	4.259	4.254	(0.562)	149216	4.67726	116.9

Data File: /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8e21aa.d
Lab Smp Id: MX8E21AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

Calibration Date: 02-MAR-2013
Calibration Time: 13:15
Client Smp ID: 828076-SS-003B6-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	347074	206509	487639	397415	14.50
2 1,4-Difluorobenze	1570764	934605	2206923	1789478	13.92
3 Chlorobenzene-d5	1425721	848304	2003138	1629292	14.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	-0.07
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.05
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	-0.04

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/mg.i/G030213.b/mx8e21aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

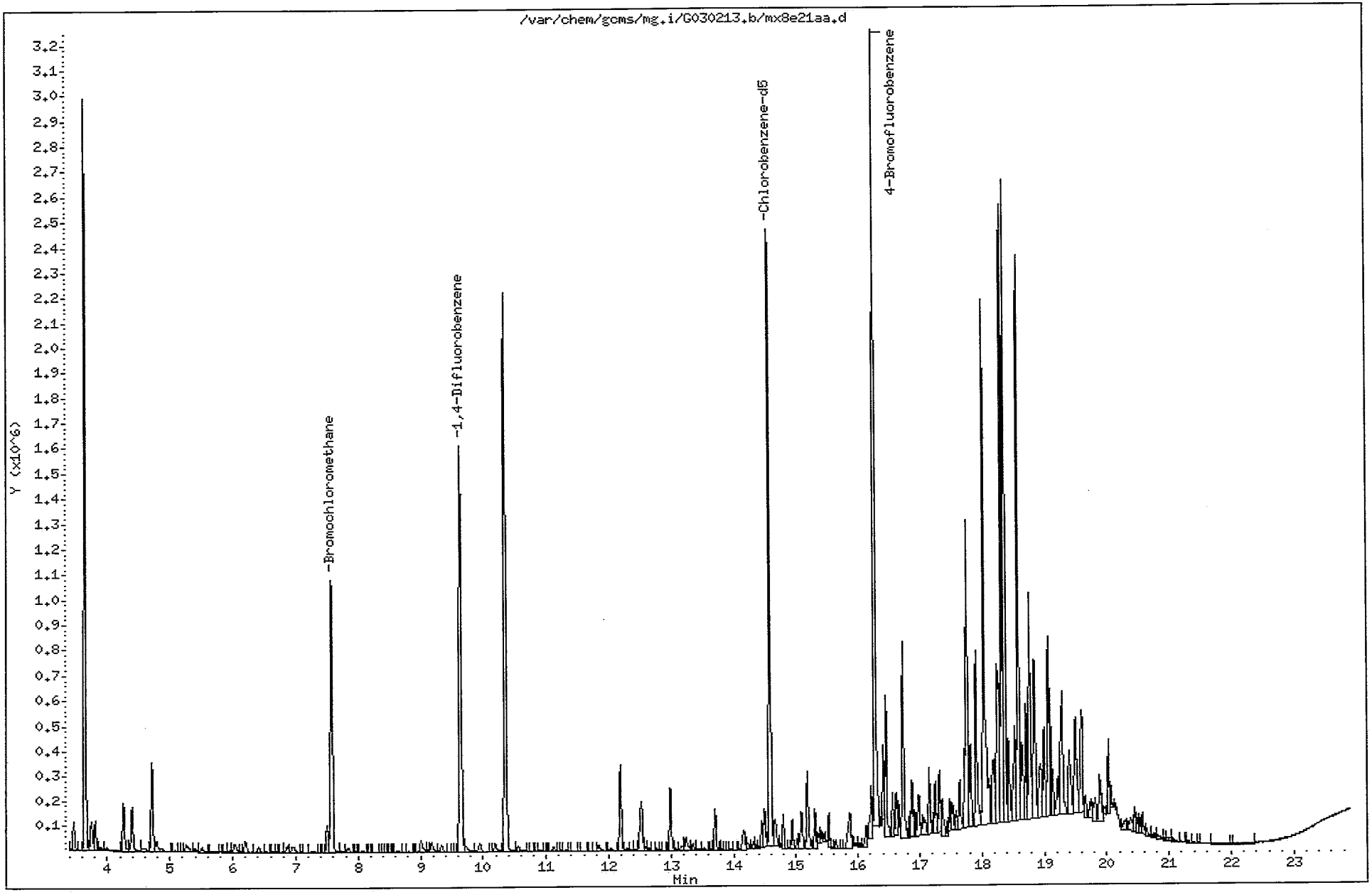
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E21AA Client Smp ID: 828076-SS-003B6-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.855	96.37	60-140

Data File: /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d
Date : 03-MAR-2013 01:17
Client ID: 828076-SS-003B6-01
Sample Info: ,25,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d

Date : 03-MAR-2013 01:17

Client ID: 828076-SS-003B6-01

Instrument: mg.i

Sample Info: ,25,0,,,

Purge Volume: 500.0

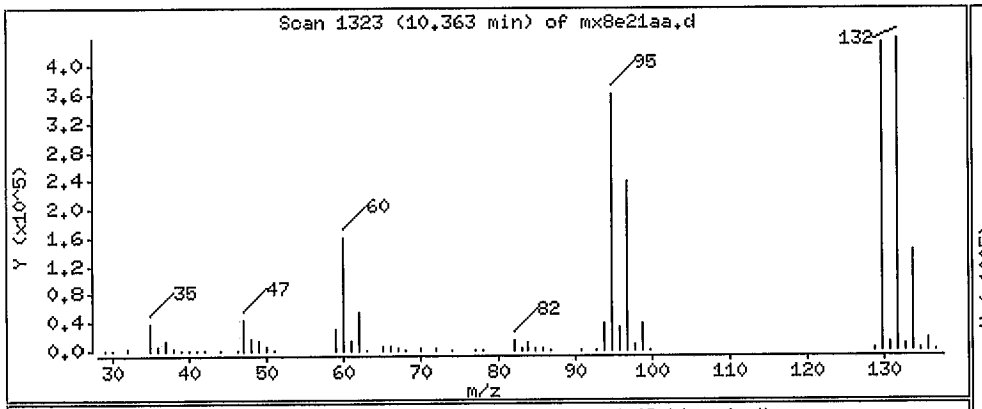
Operator: 403648

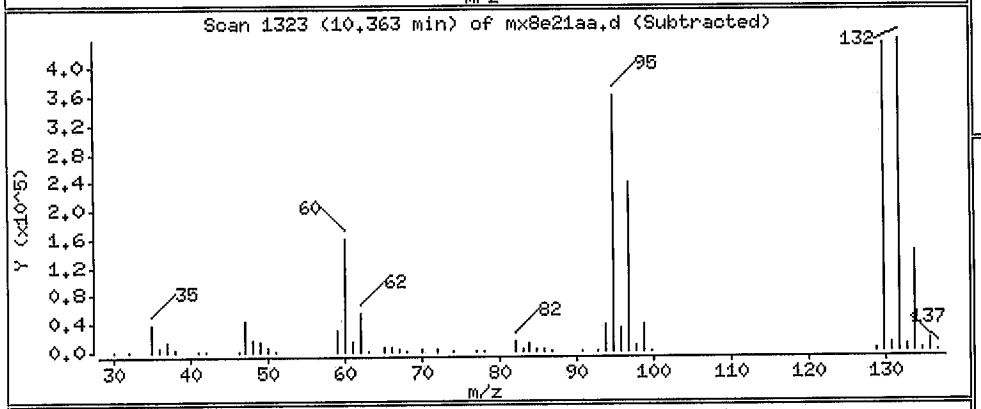
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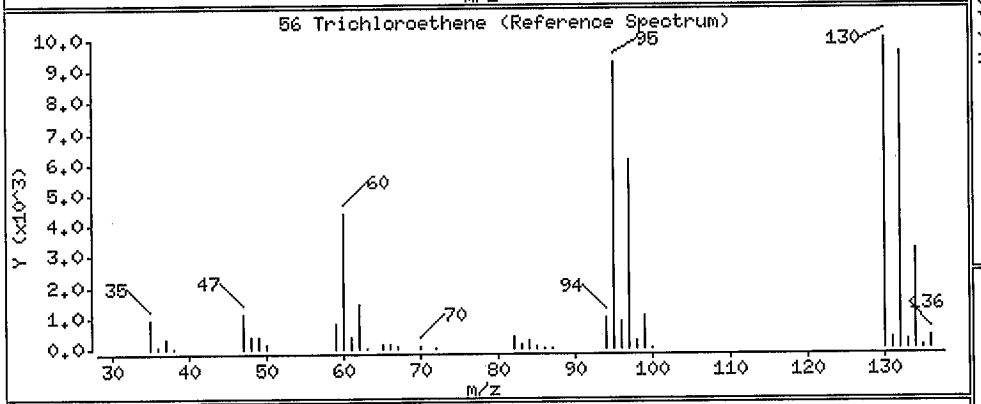
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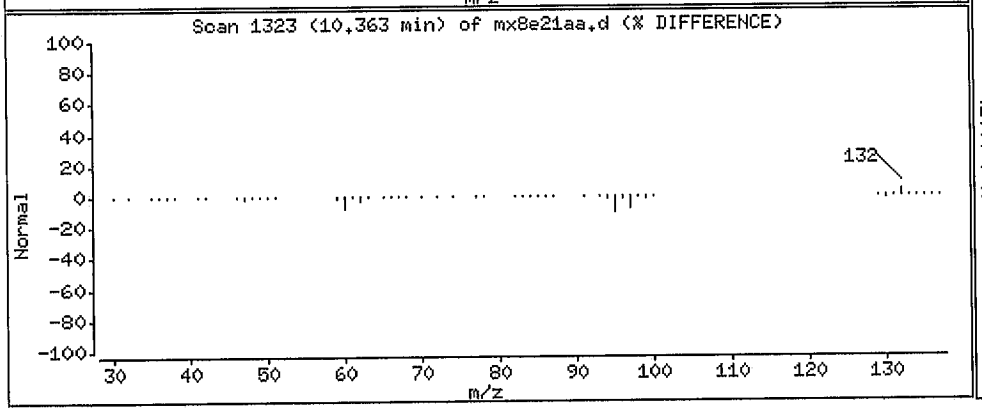
56 Trichloroethene

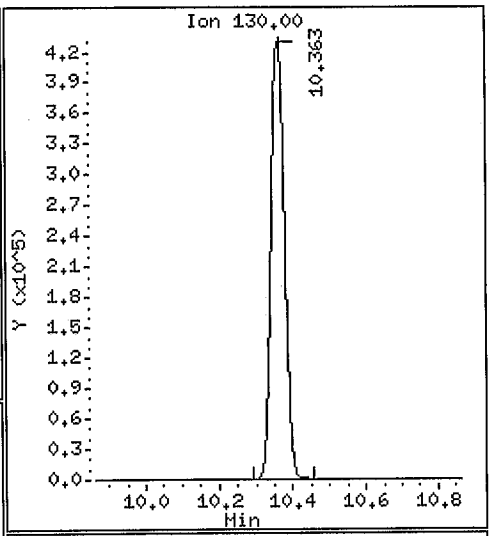
Concentration: 132.1 ppb(v/v)

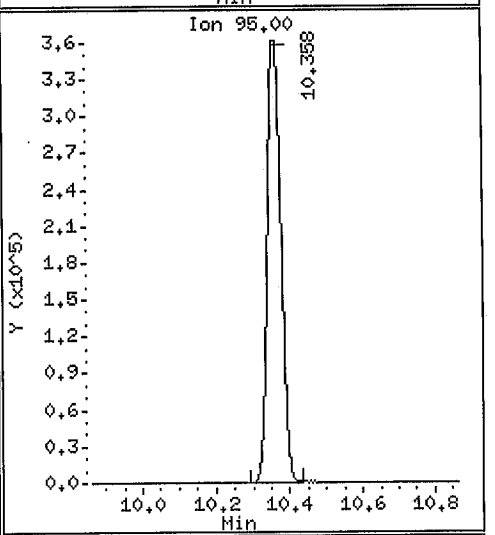


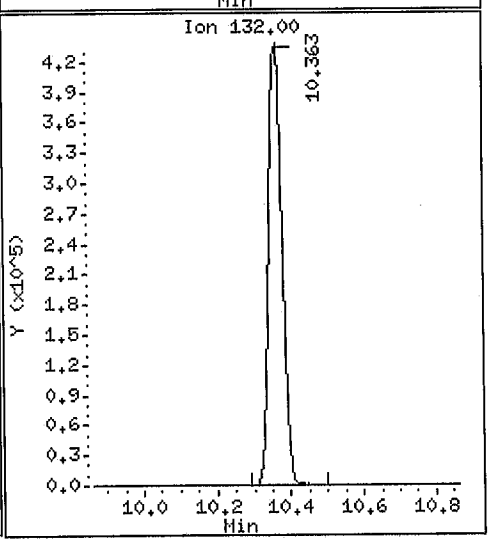












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d

Date : 03-MAR-2013 01:17

Client ID: 828076-SS-003B6-01

Instrument: mg.i

Sample Info: ,25,0,,,

Purge Volume: 500.0

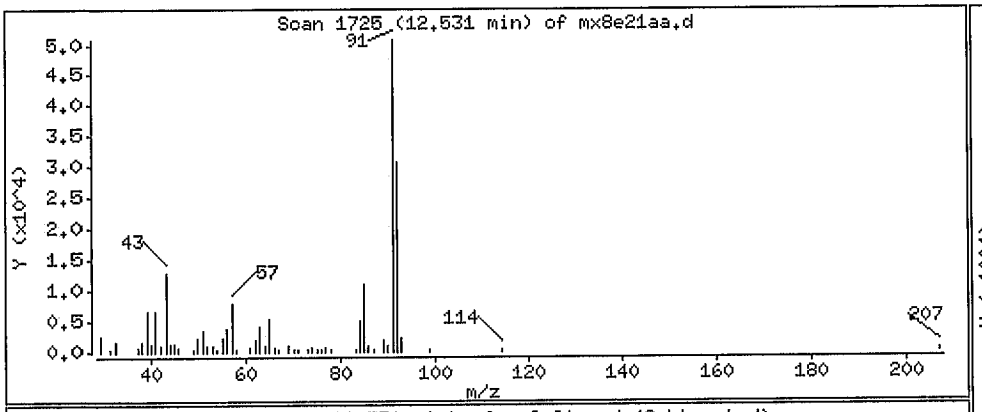
Operator: 403648

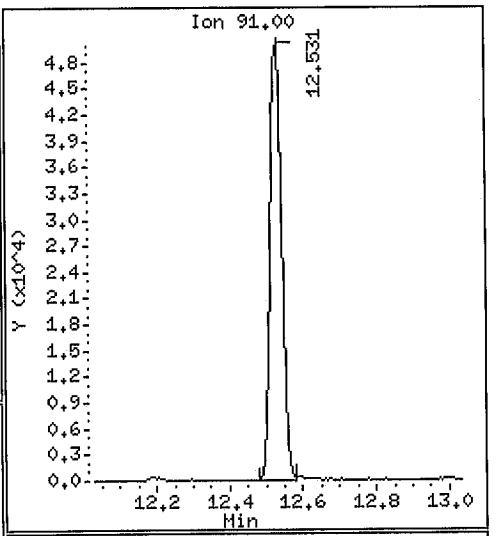
Column phase: Rtx-5

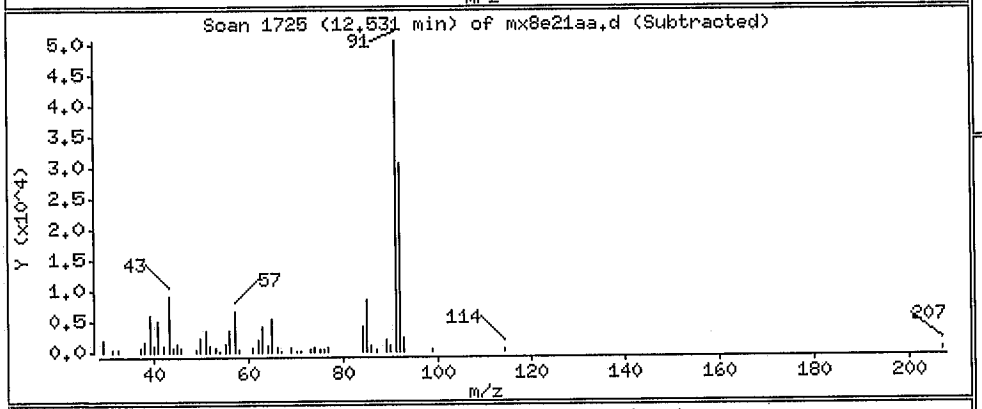
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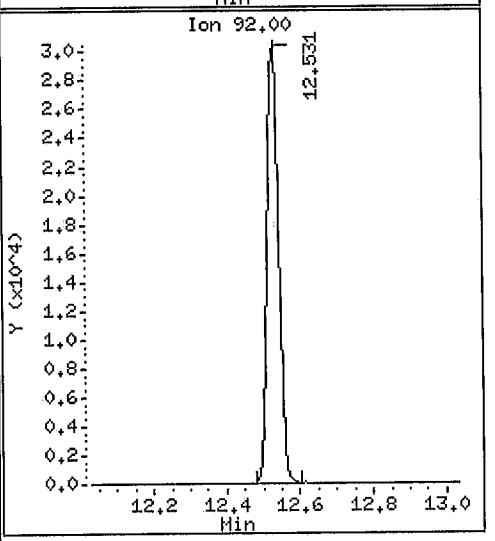
65 Toluene

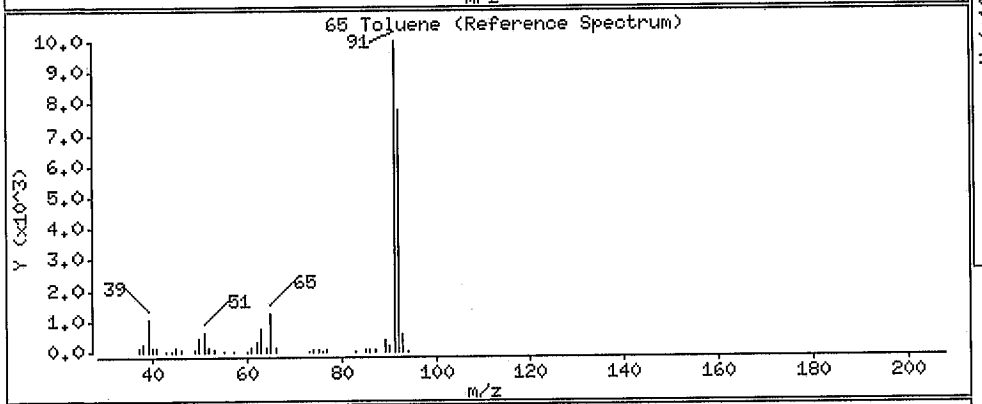
Concentration: 5.654 ppb(v/v)

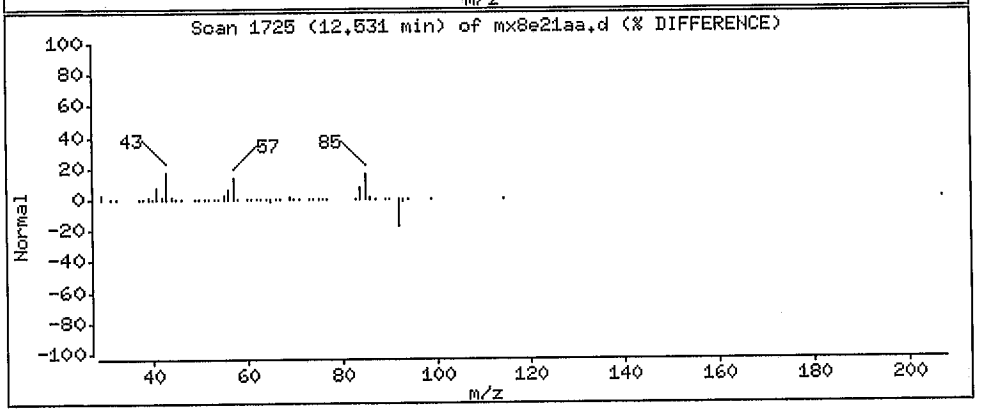












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d

Date : 03-MAR-2013 01:17

Client ID: 828076-SS-003B6-01

Instrument: mg.i

Sample Info: ,25,0,,,

Purge Volume: 500.0

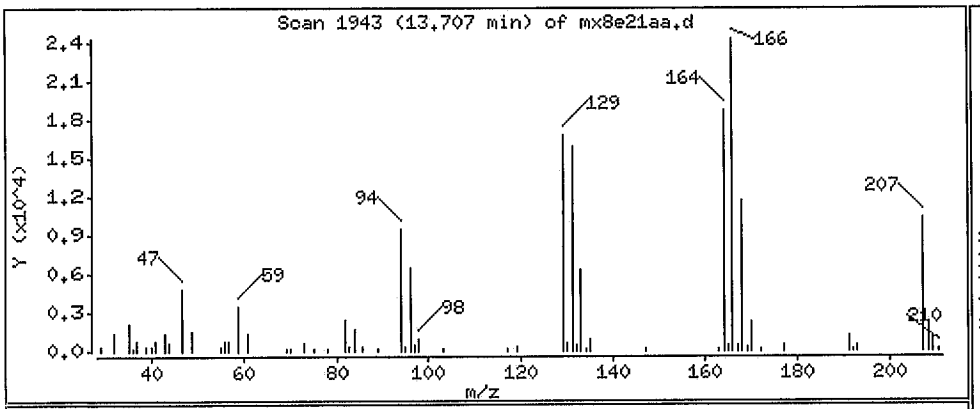
Operator: 403648

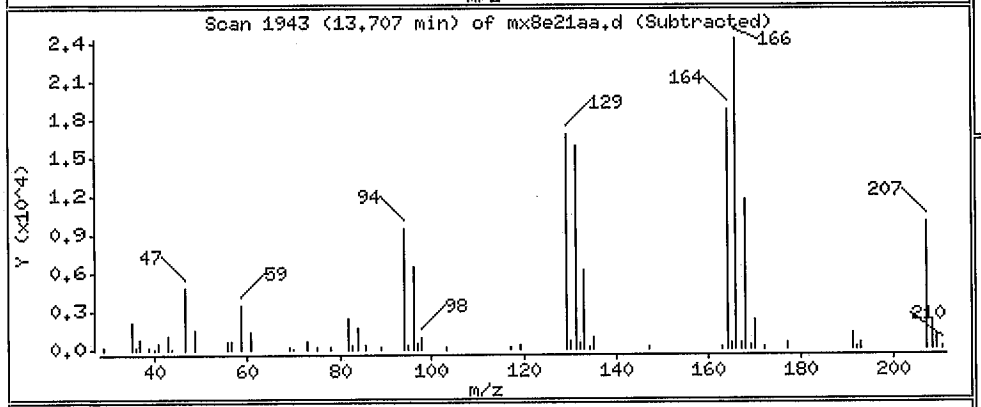
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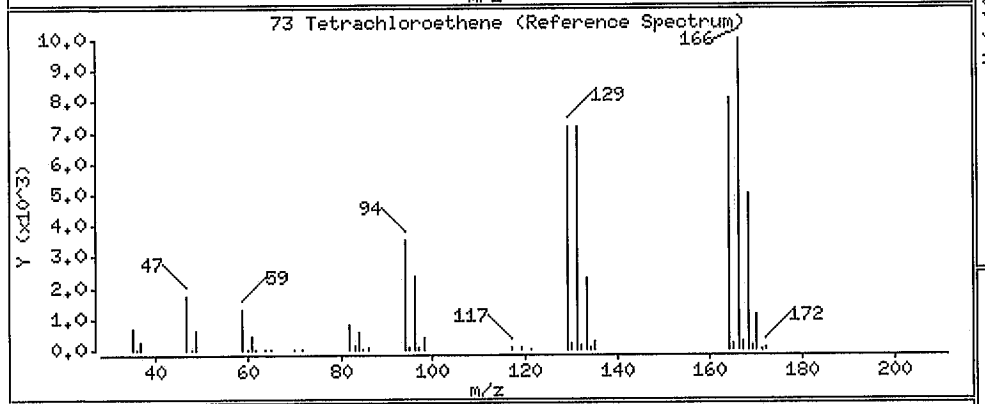
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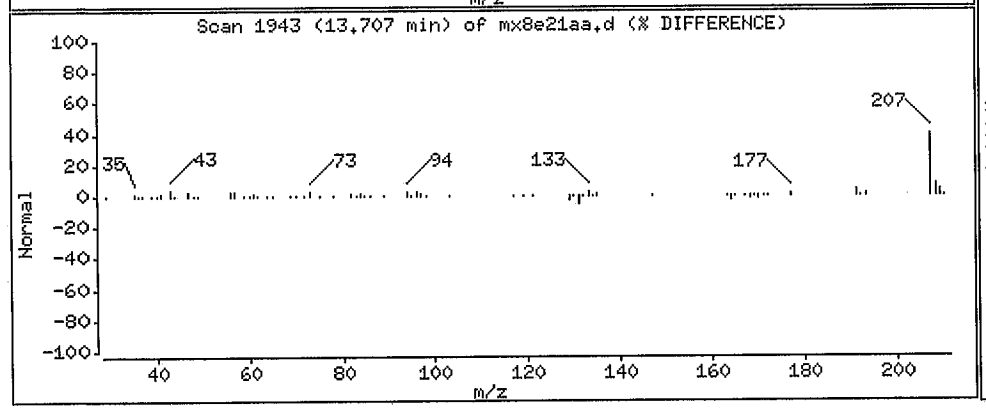
73 Tetrachloroethene

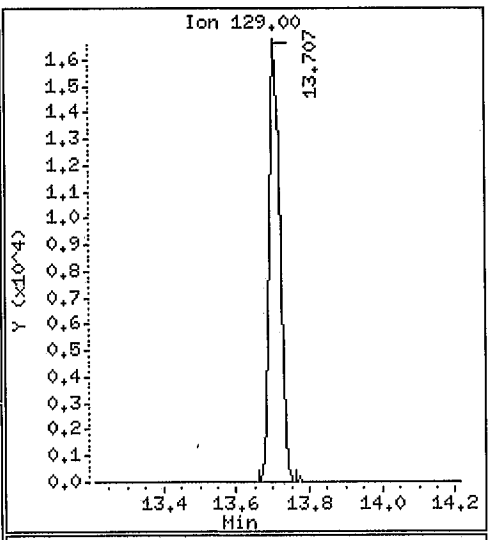
Concentration: 4.437 ppb(v/v)

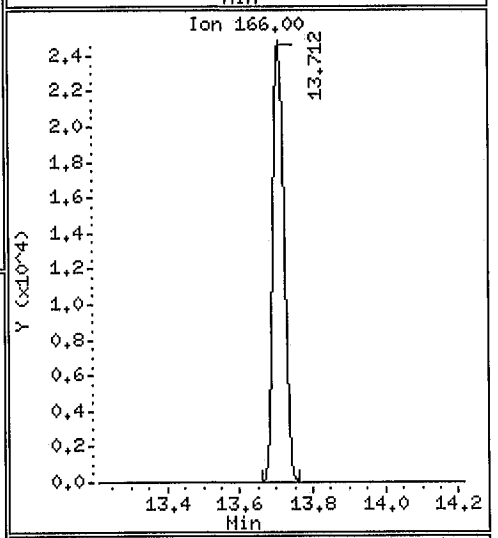


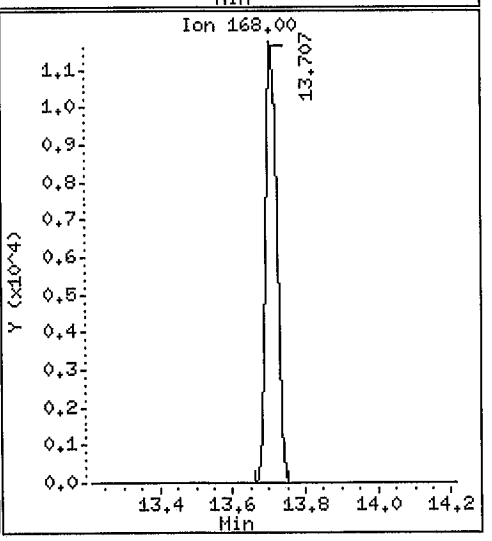












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d

Date : 03-MAR-2013 01:17

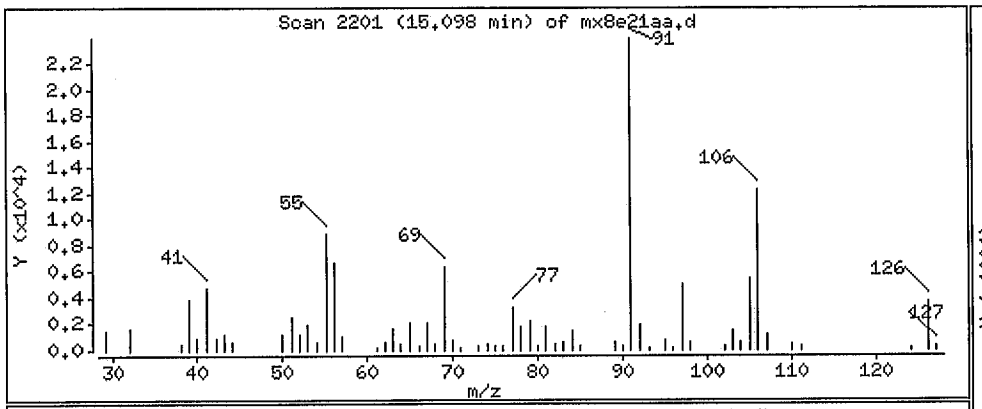
Client ID: 828076-SS-003B6-01 Instrument: mg.i

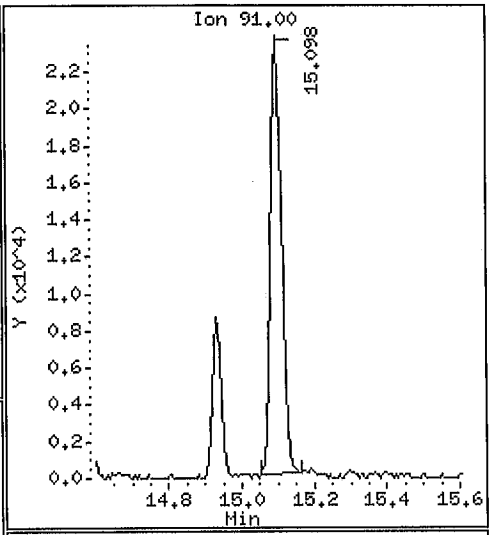
Sample Info: ,25,0,,,

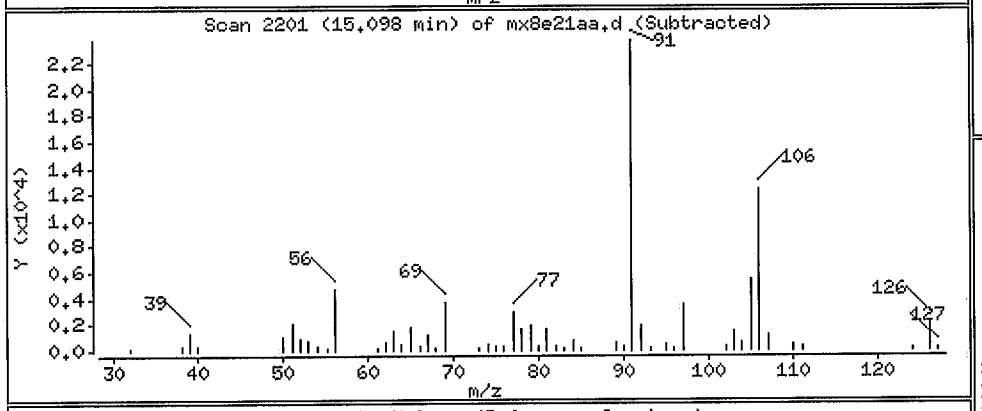
Purge Volume: 500.0 Operator: 403648

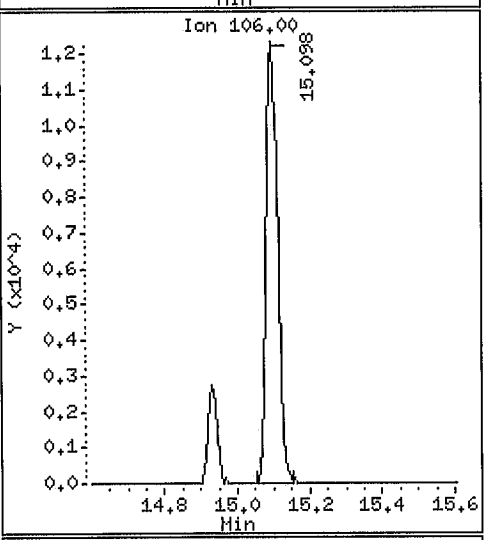
Column phase: Rtx-5 Column diameter: 0.32

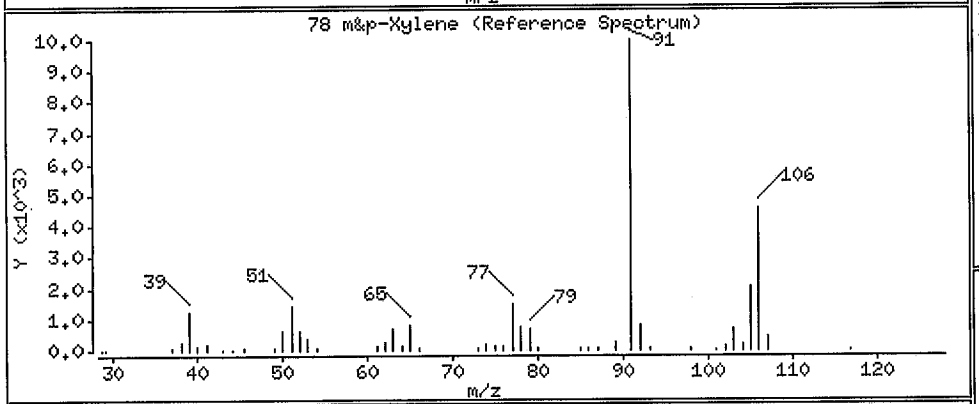
78 m&p-Xylene Concentration: 2.700 ppb(v/v)

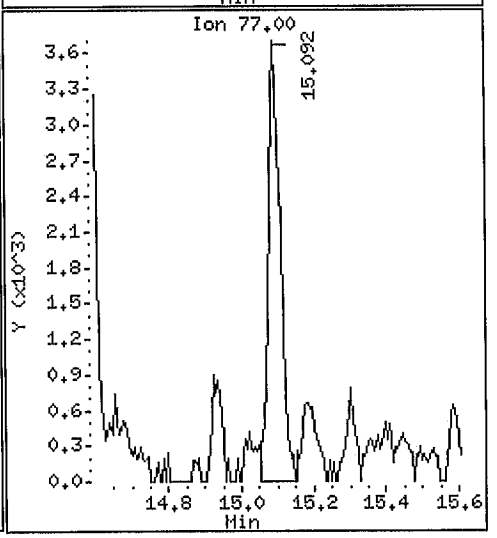


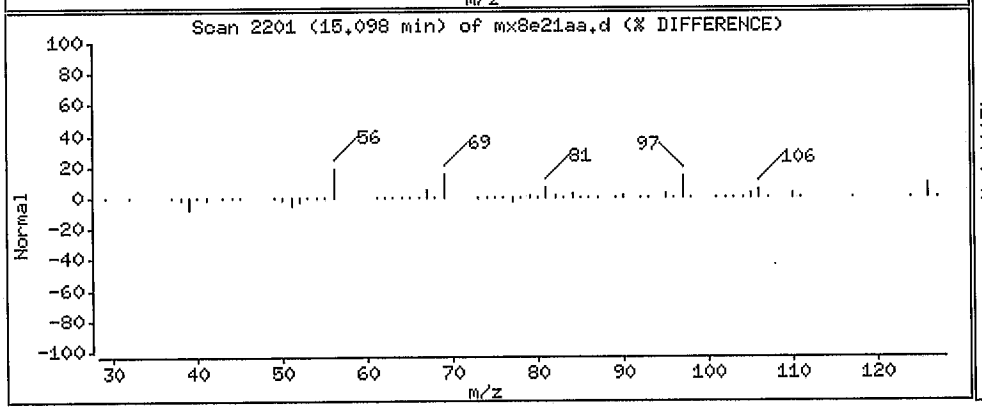












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e21aa.d

Date : 03-MAR-2013 01:17

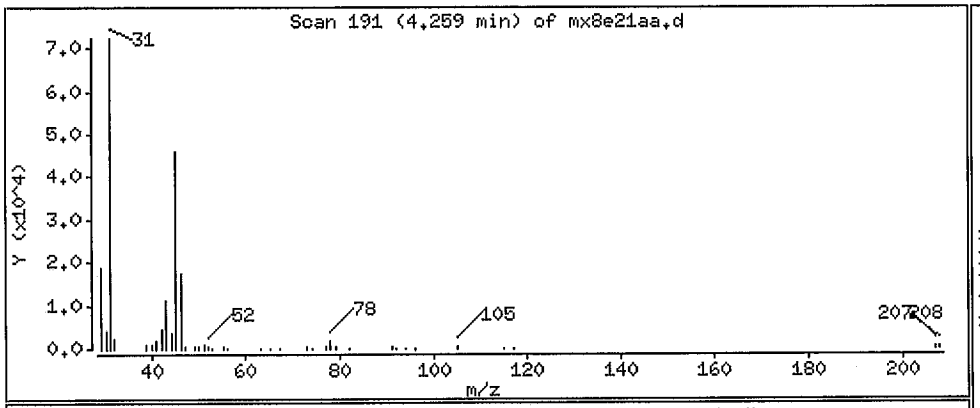
Client ID: 828076-SS-003B6-01 Instrument: mg.i

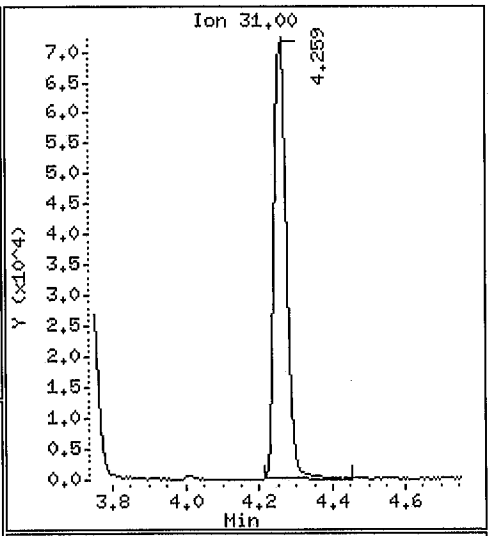
Sample Info: ,25,0,,,

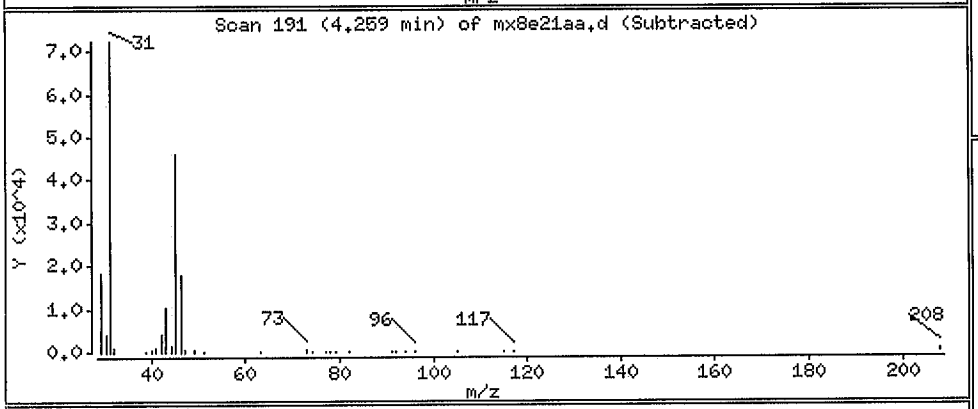
Purge Volume: 500.0 Operator: 403648

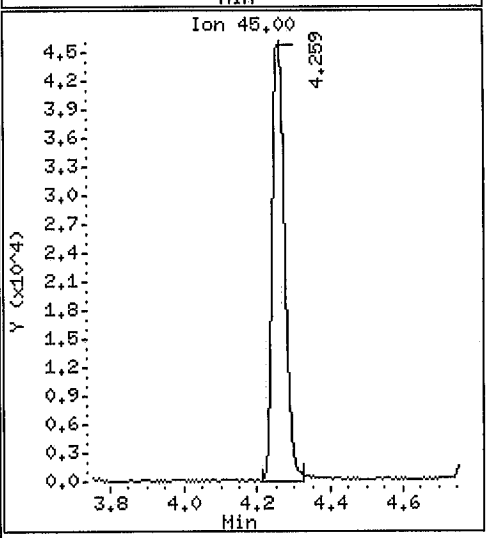
Column phase: Rtx-5 Column diameter: 0.32

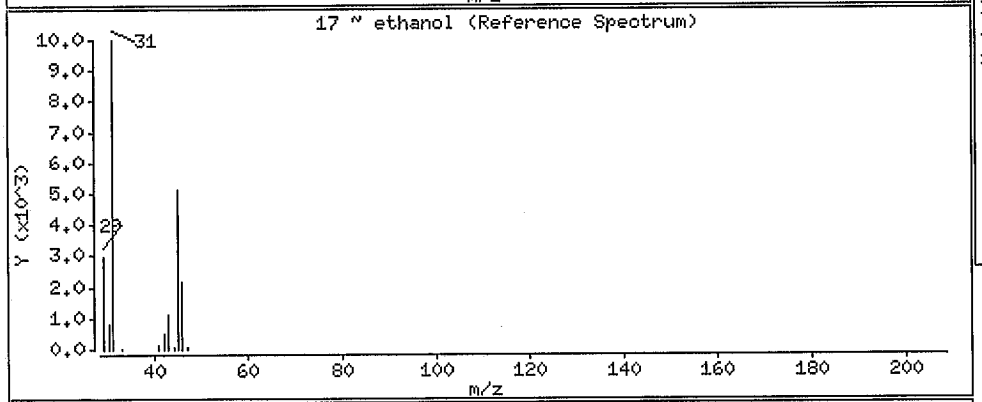
17 ^ ethanol Concentration: 116.9 ppb(v/v)

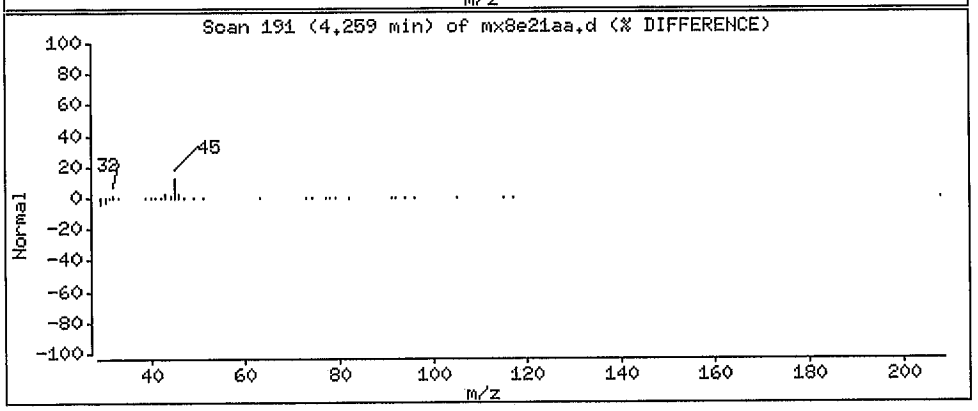












New York State D.E.C.

Client Sample ID: 828076-IA-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 020 **Work Order #** MX8E31AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.13**	**0.080**	**0.64**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.17**	**0.080**	**0.55**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.076**	**0.040**	**0.48**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.49**	**0.20**	**1.0**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.42**	**0.080**	**2.1**	**0.40**
Ethanol	**11**	**0.80**	**21**	**1.5**
Ethylbenzene	**0.14**	**0.080**	**0.61**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 020 **Work Order #** MX8E31AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.27**	**0.20**	**0.93**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.74**	**0.080**	**2.8**	**0.30**
m-Xylene & p-Xylene	**0.48**	**0.080**	**2.1**	**0.35**
o-Xylene	**0.18**	**0.080**	**0.78**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.047**	**0.040**	**0.25**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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/mr.i/R022813.b/mx8e31aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d
Lab Smp Id: MX8E31AA Client Smp ID: 828076-IA-003B6-02
Inj Date : 01-MAR-2013 06:00
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

03/05/13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))	
* 1 Bromochloromethane	128	9.094	9.088	(1.000)	331127	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1698757	4.00000	4.000	
* 3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1337689	4.00000	4.000	
$ 4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	974226	4.15980	4.160	
7 Dichlorodifluoromethane	85	4.230	4.241	(0.465)	144140	0.41774	0.4177	
8 Chloromethane	52	4.413	4.419	(0.485)	20684	0.49040	0.4904	
20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	72416	0.21601	0.2160	
31 Methylene Chloride	84	6.667	6.656	(0.733)	32072	0.26882	0.2688	
39 2-Butanone	72	8.355	8.344	(0.919)	20515	0.30858	0.3086	
44 Tetrahydrofuran	42	9.525	9.498	(1.047)	13856	0.09255	0.09255	NA
48 Benzene	78	10.712	10.706	(0.950)	73551	0.17105	0.1710	
50 Carbon Tetrachloride	117	10.749	10.738	(0.954)	16841	0.07582	0.07582	
54 Heptane	71	11.968	11.968	(1.062)	14273	0.09459	0.09459	NA
56 Trichloroethene	130	12.065	12.070	(1.070)	9001	0.04706	0.04706	
65 Toluene	91	14.632	14.632	(0.837)	410214	0.73910	0.7391	
76 Ethylbenzene	91	18.045	18.067	(1.032)	98584	0.14144	0.1414	

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d
Report Date: 01-Mar-2013 11:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
78 m&p-Xylene	91	18.315	18.336	(1.048)	256611	0.47692	0.4769
82 o-Xylene	91	19.178	19.194	(1.097)	99671	0.17956	0.1796
87 n-Propylbenzene	120	21.162	21.167	(1.211)	6563	0.02854	0.02854
89 4-Ethyltoluene	105	21.442	21.453	(1.227)	37721	0.04591	0.04591
94 1,2,4-Trimethylbenzene	105	22.435	22.445	(1.284)	88889	0.13110	0.1311
17 ~ ethanol	31	5.238	5.222	(0.576)	516575	11.3749	11.37

) NA

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8e31aa.d
Lab Smp Id: MX8E31AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B6-02
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	331127	-24.29
2 1,4-Difluorobenze	2178721	1296339	3061103	1698757	-22.03
3 Chlorobenzene-d5	1632809	971521	2294097	1337689	-18.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8e31aa.d
Report Date: 01-Mar-2013 11:06

TestAmerica Knoxville

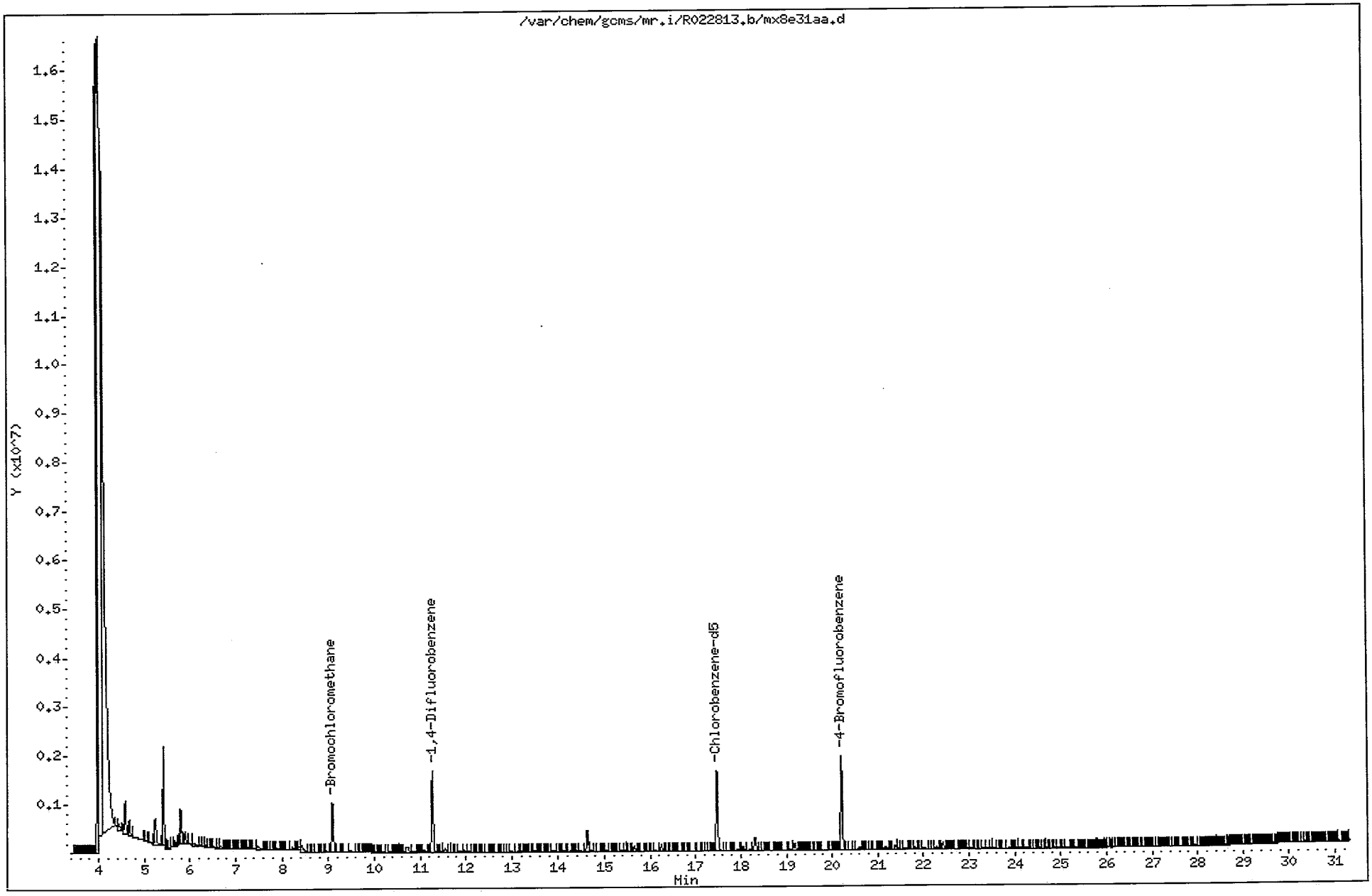
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E31AA Client Smp ID: 828076-IA-003B6-02
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.160	103.99	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d
Date : 01-MAR-2013 06:00
Client ID: 828076-IA-003B6-02
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

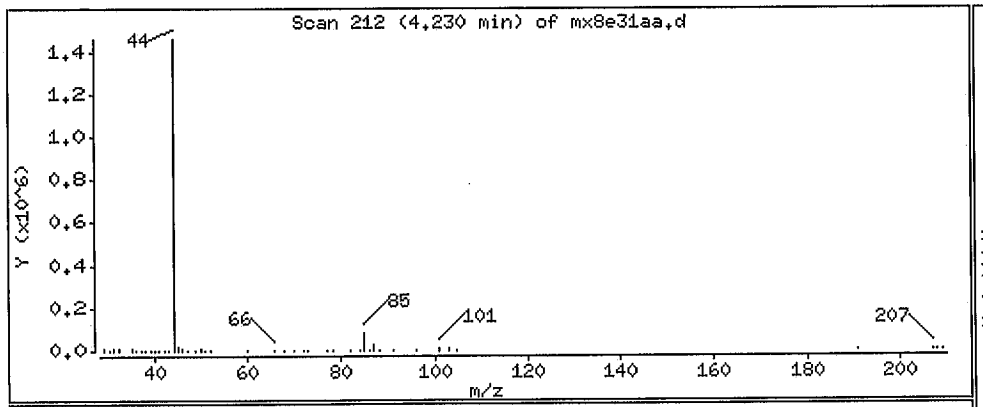
Client ID: 828076-IA-003B6-02 Instrument: mr.i

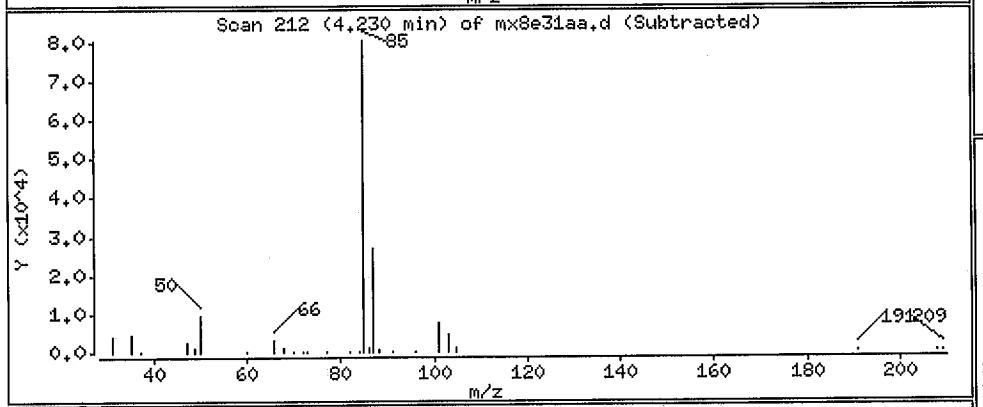
Sample Info: ,,0,,,

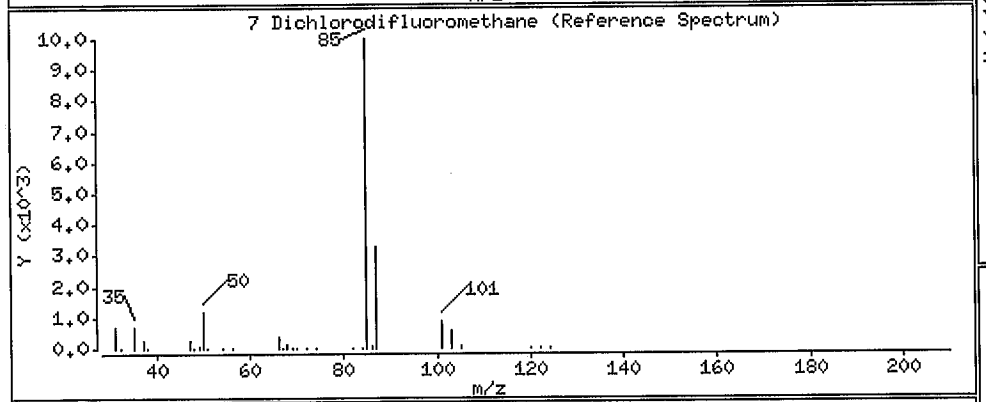
Purge Volume: 500.0 Operator: 403648

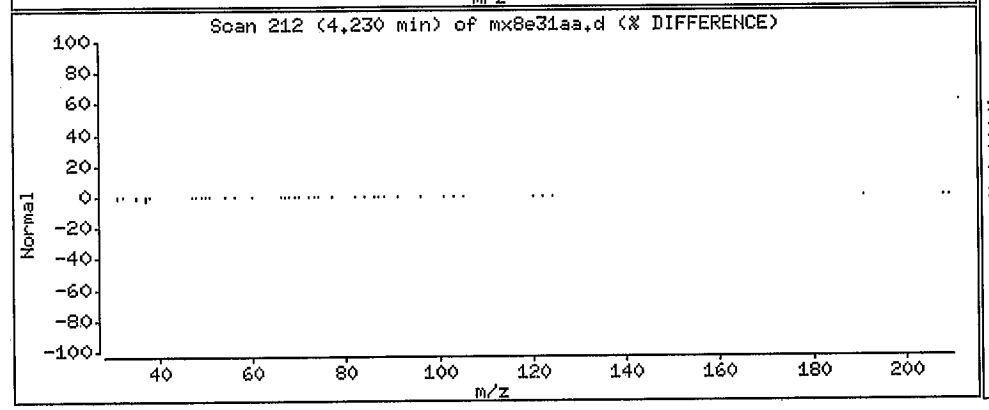
Column phase: Rtx-5 Column diameter: 0.32

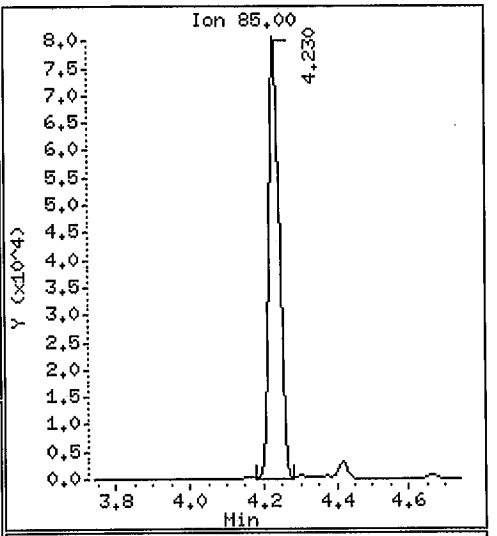
7 Dichlorodifluoromethane Concentration: 0.4177 ppb(v/v)

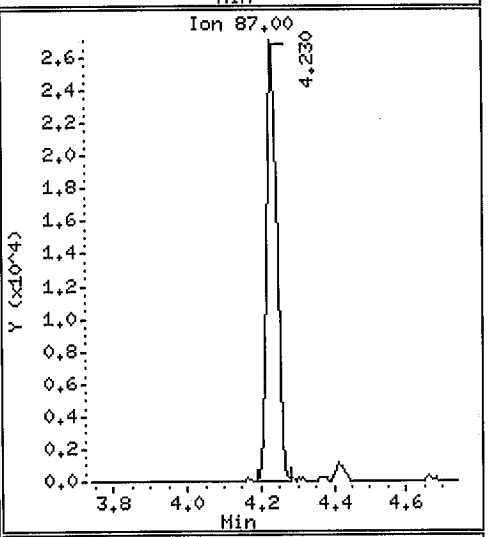


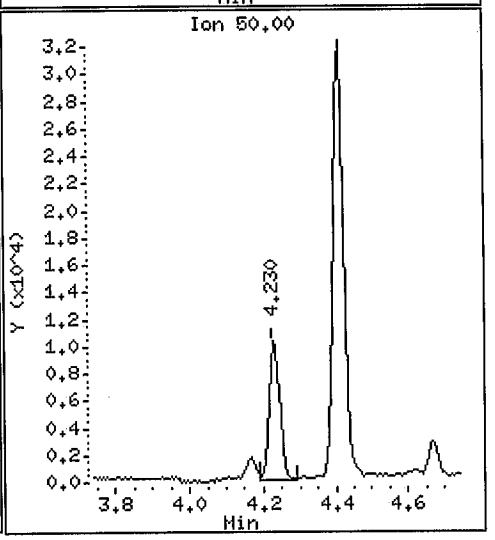












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

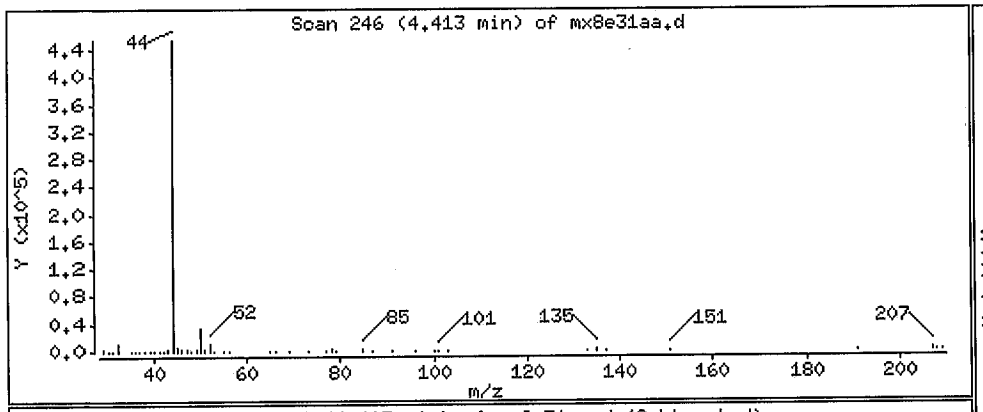
Operator: 403648

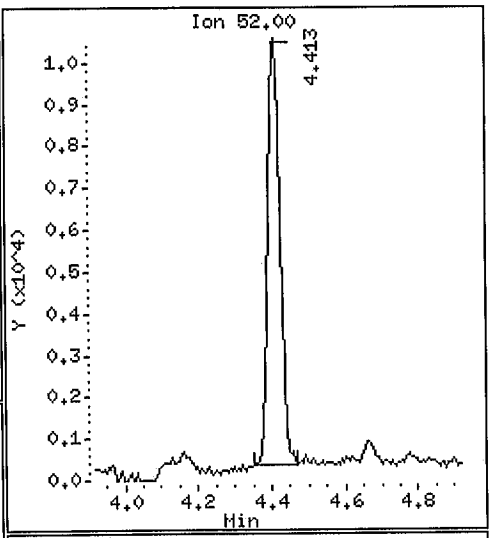
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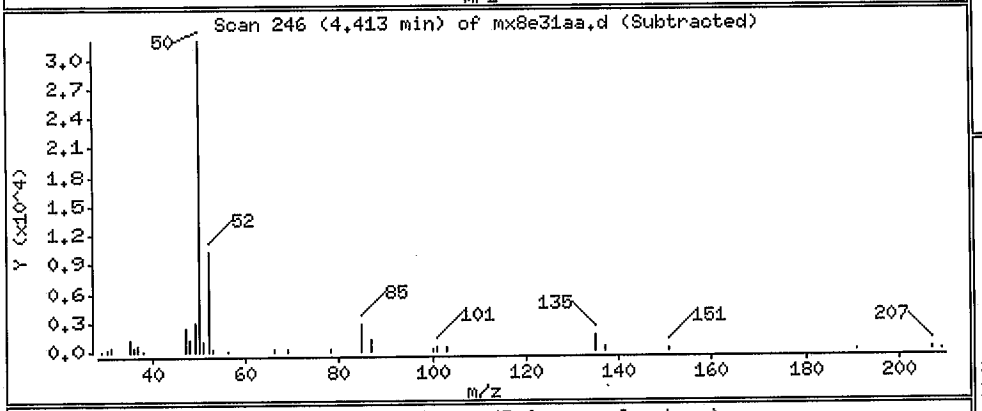
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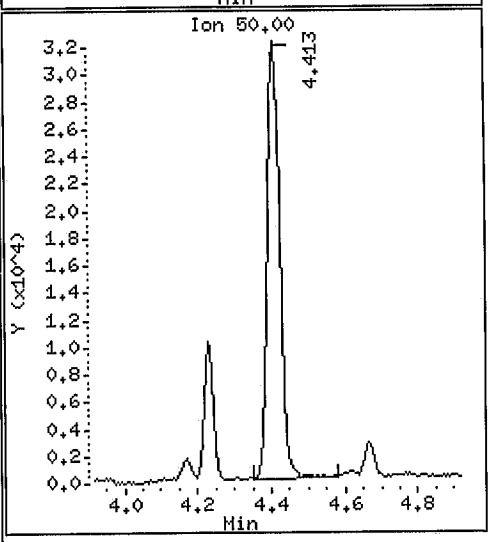
8 Chloromethane

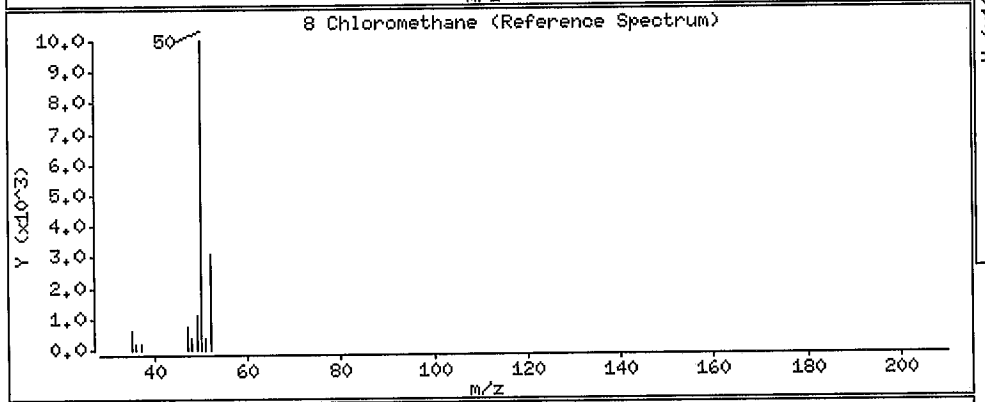
Concentration: 0.4904 ppb(v/v)

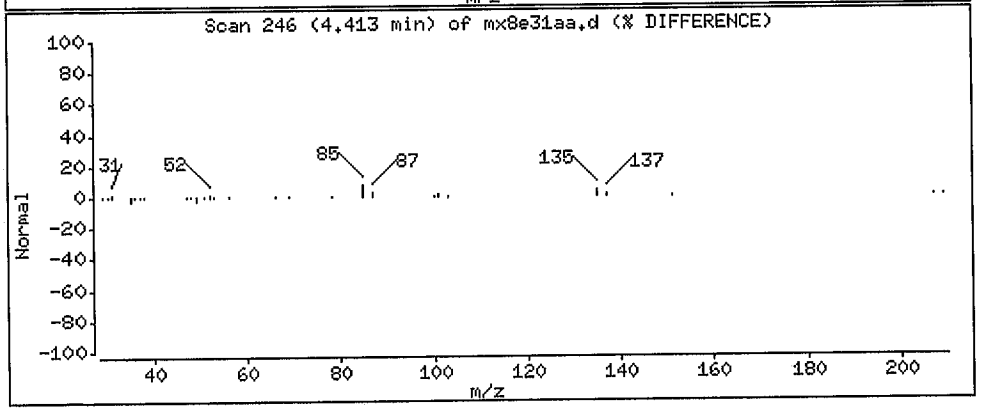












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

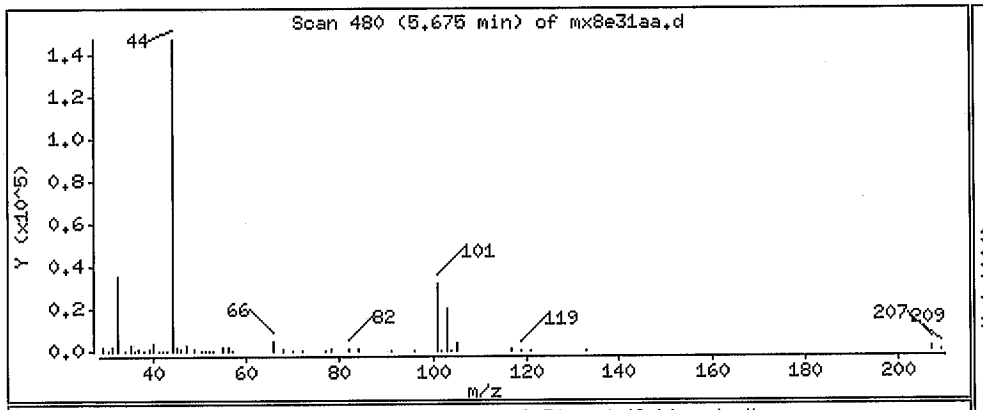
Operator: 403648

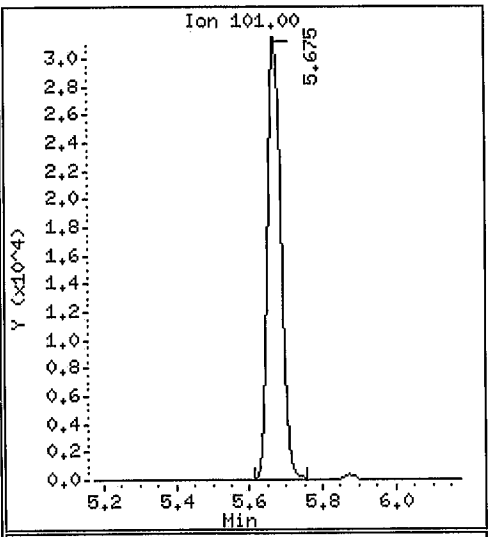
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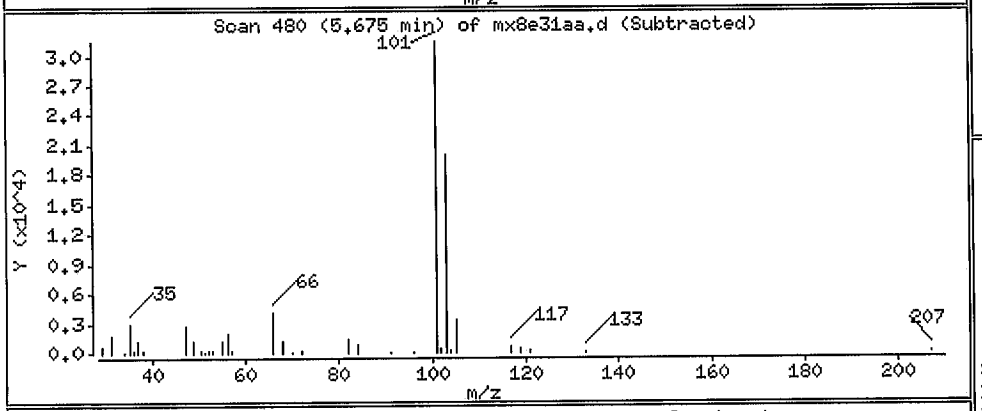
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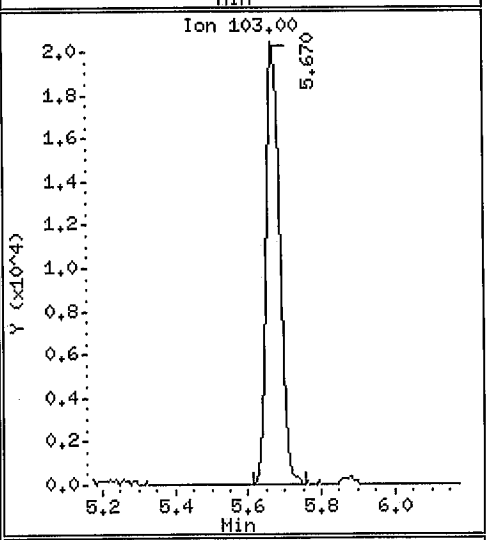
20 Trichlorofluoromethane

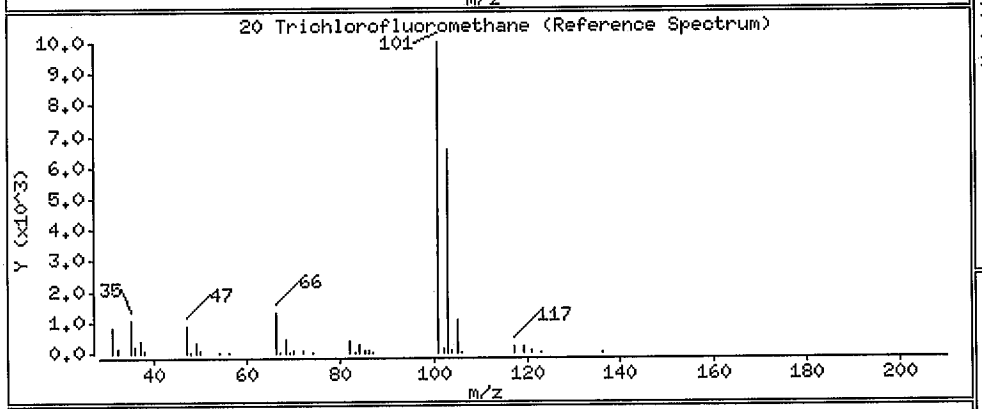
Concentration: 0.2160 ppb(v/v)

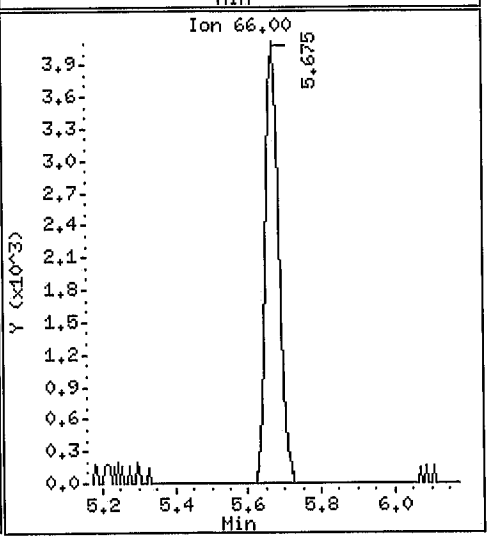


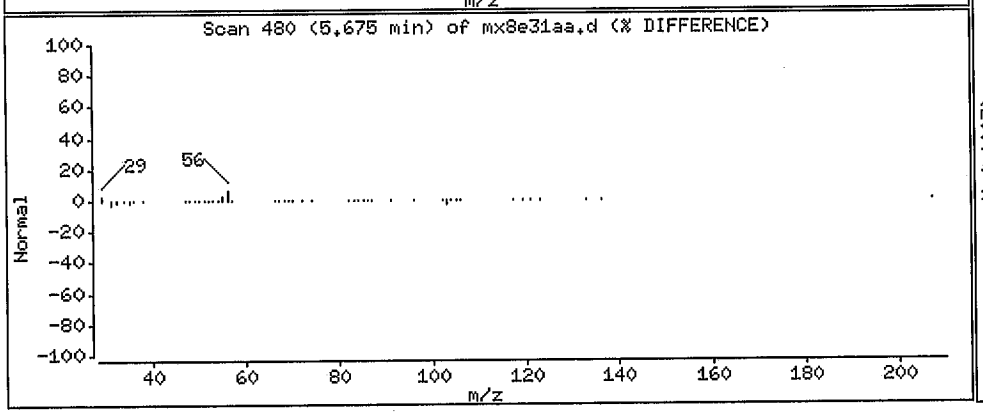












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

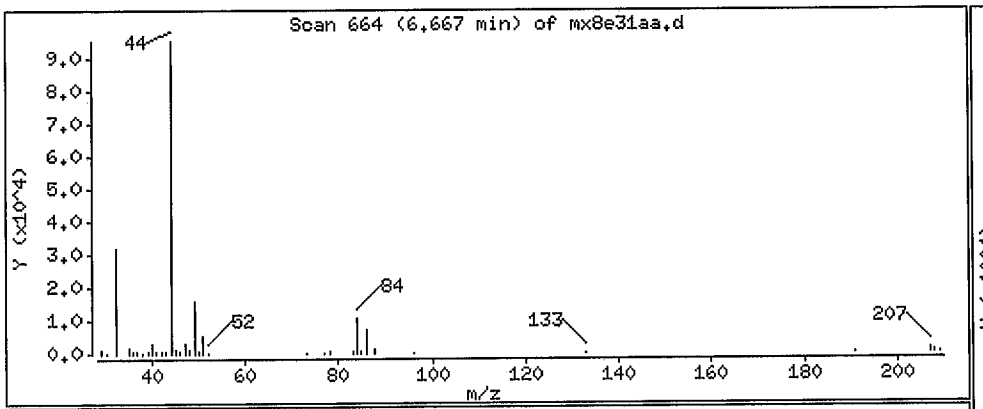
Client ID: 828076-IA-003B6-02 Instrument: mr.i

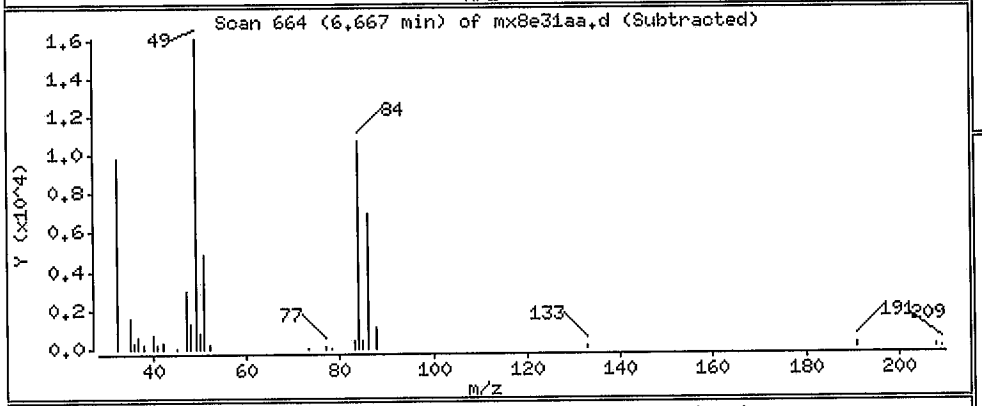
Sample Info: ,,0,,,

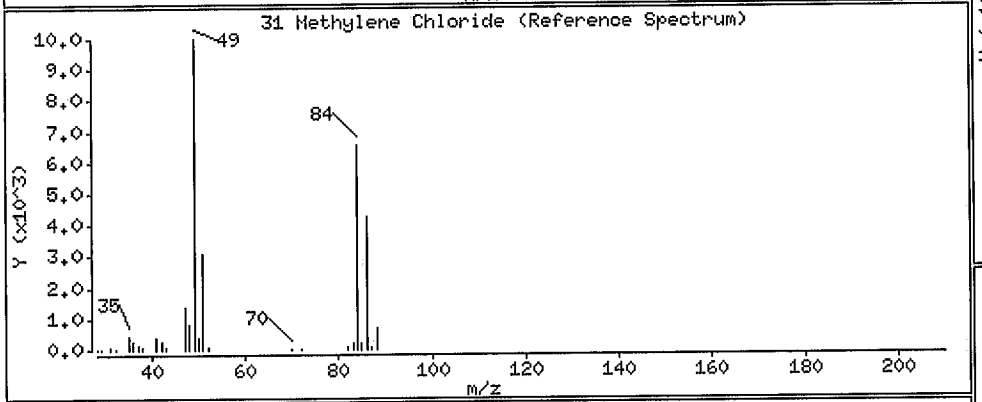
Purge Volume: 500.0 Operator: 403648

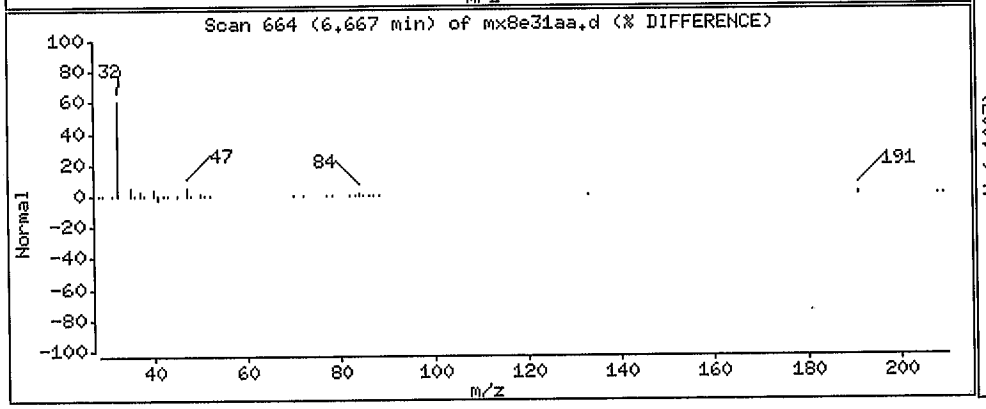
Column phase: Rtx-5 Column diameter: 0.32

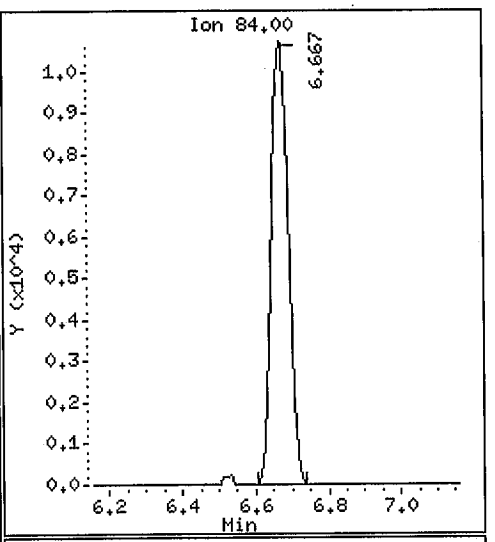
31 Methylene Chloride Concentration: 0.2688 ppb(v/v)

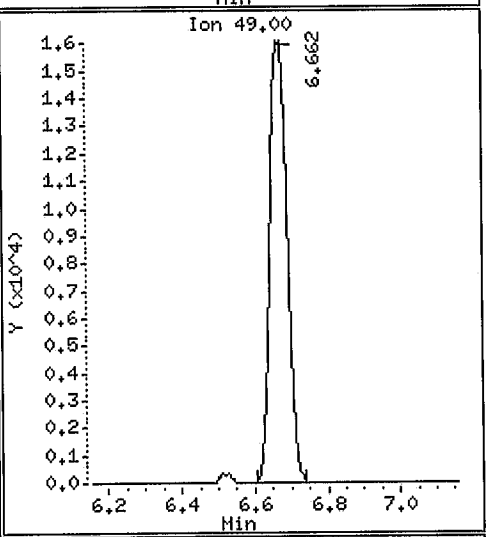


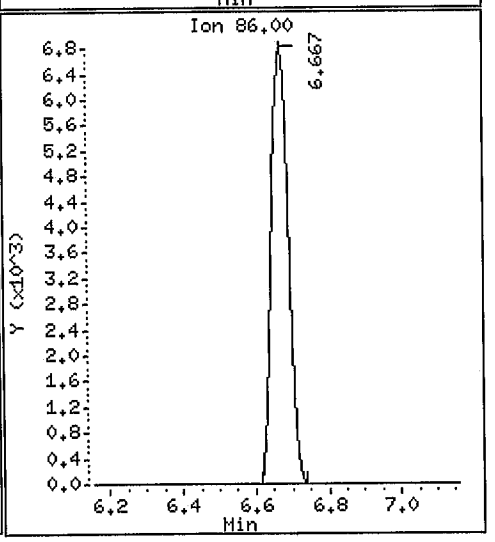












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

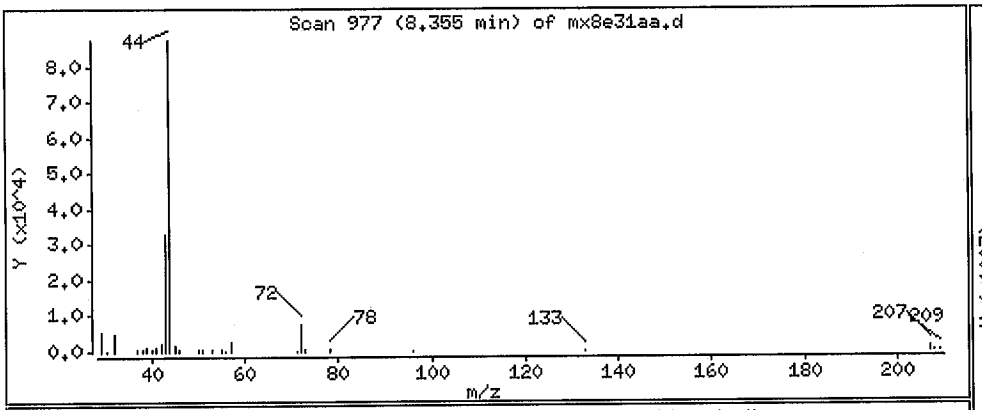
Operator: 403648

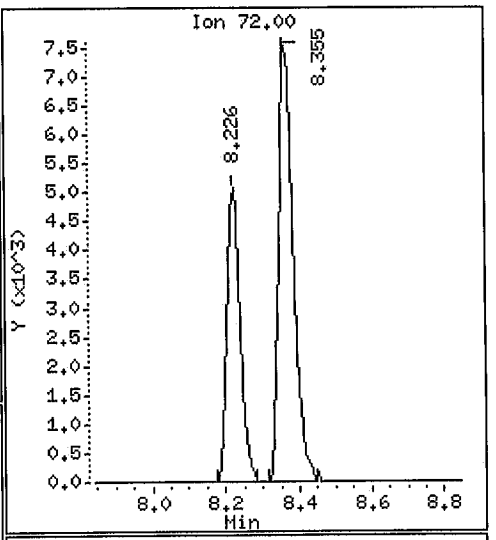
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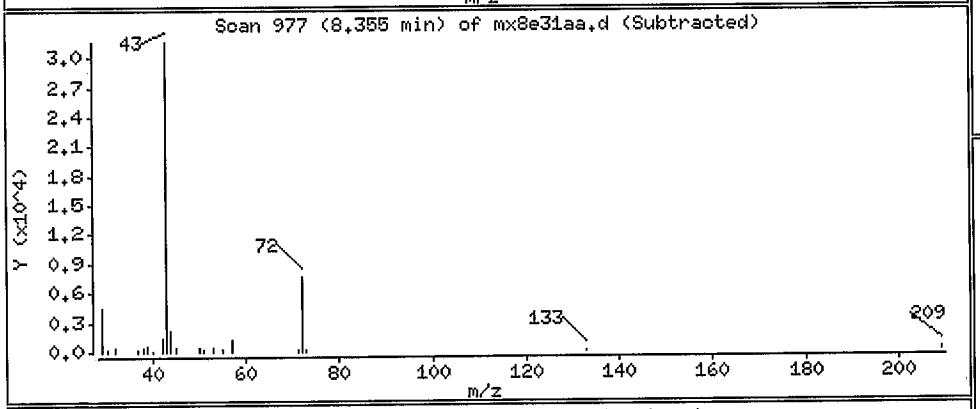
Column diameter: 0.32

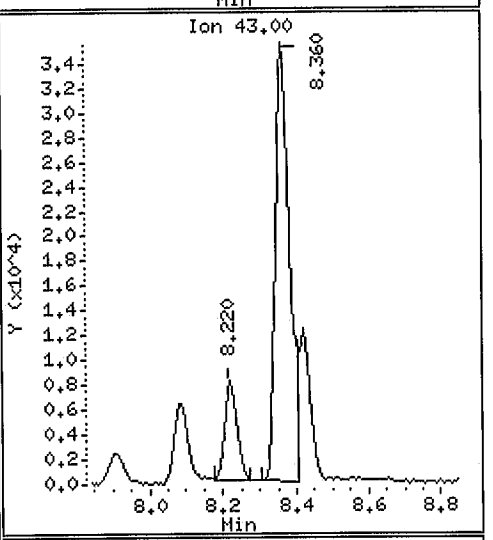
39 2-Butanone

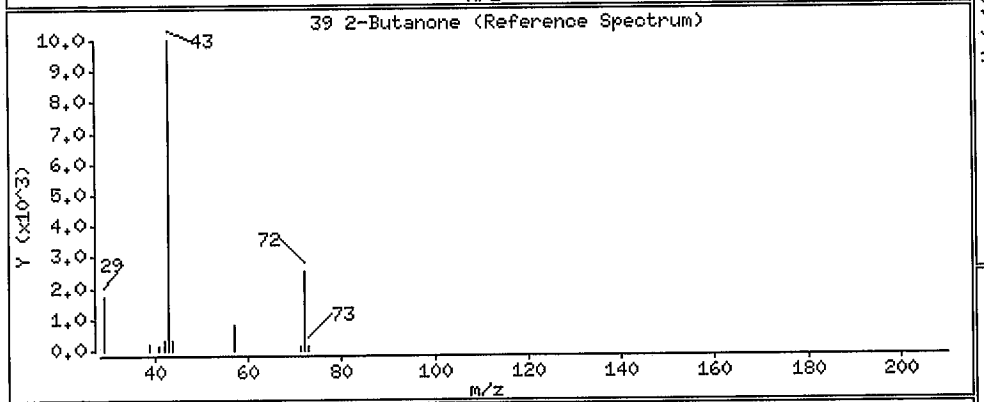
Concentration: 0.3086 ppb(v/v)

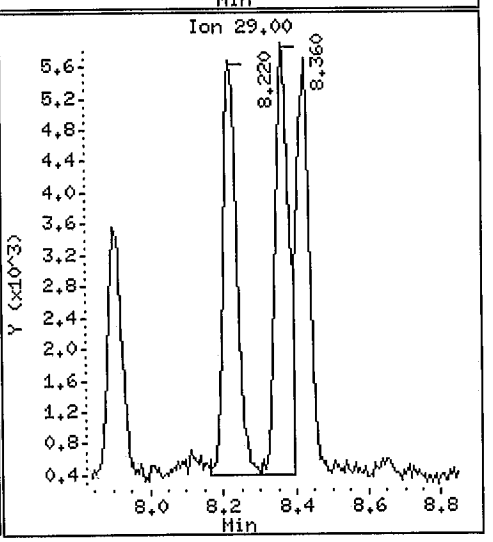


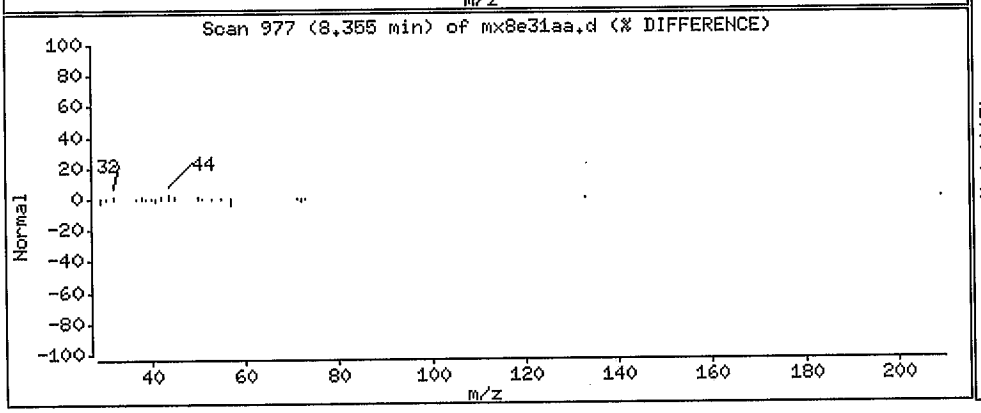












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

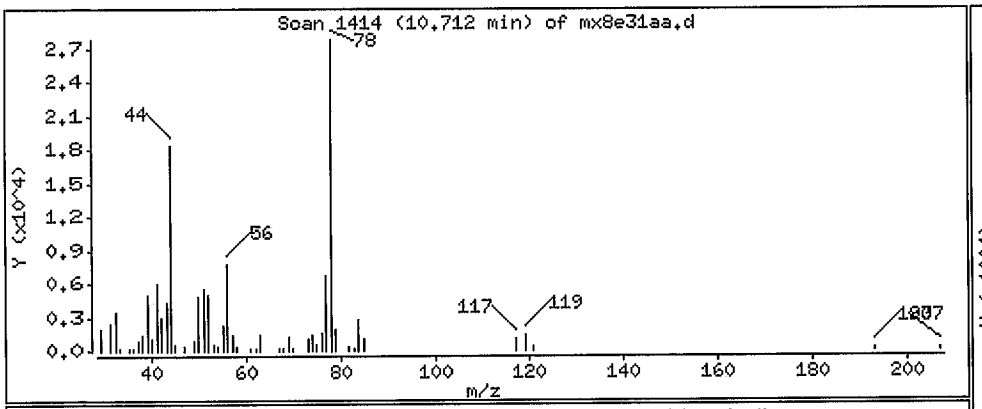
Client ID: 828076-IA-003B6-02 Instrument: mr.i

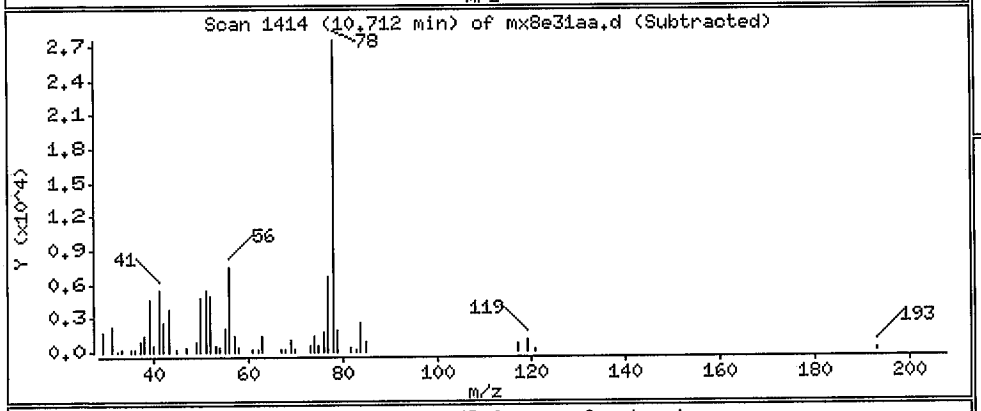
Sample Info: ,,0,,,

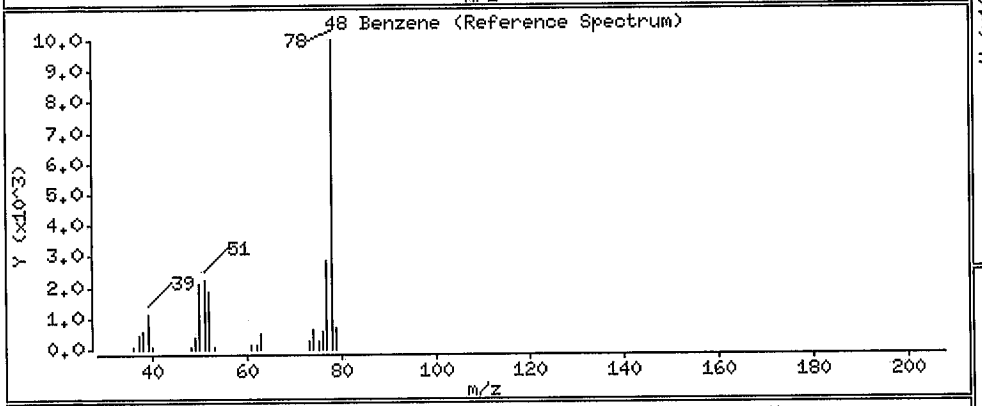
Purge Volume: 500.0 Operator: 403648

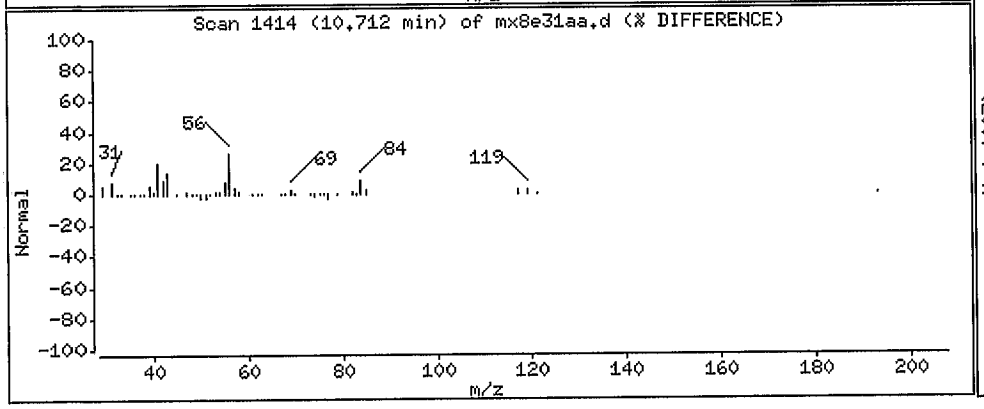
Column phase: Rtx-5 Column diameter: 0.32

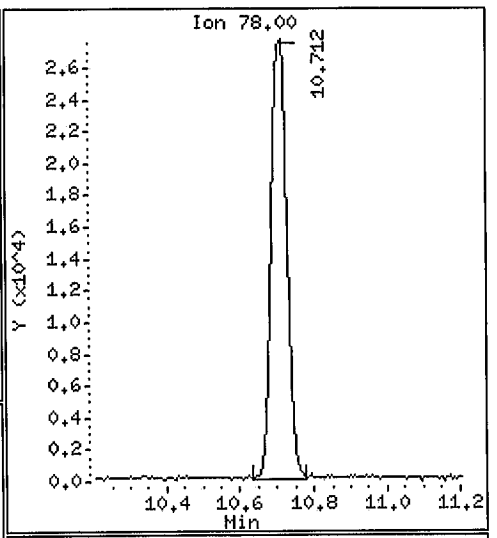
48 Benzene Concentration: 0.1710 ppb(v/v)

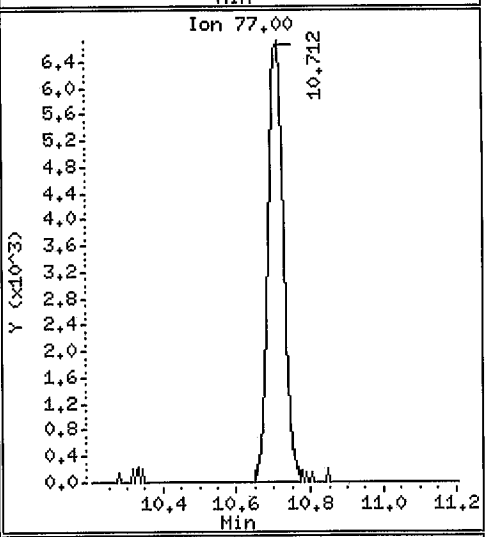


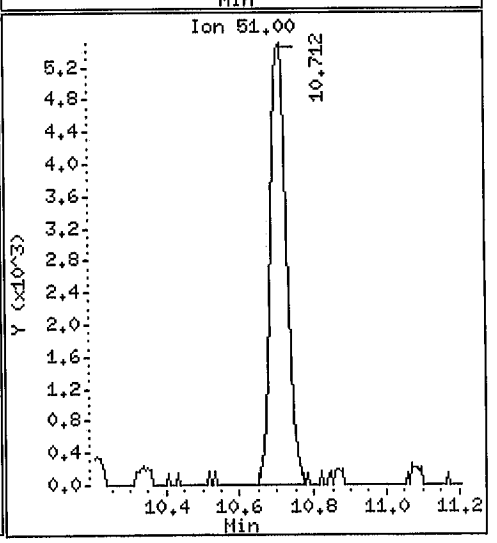












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

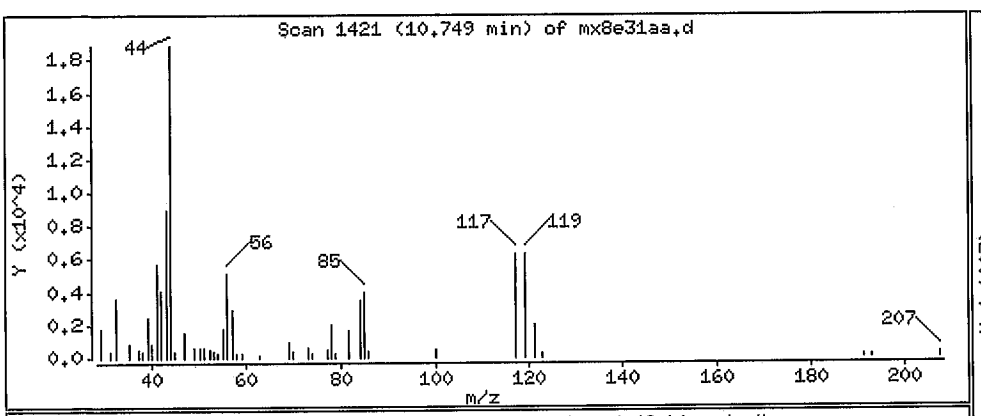
Operator: 403648

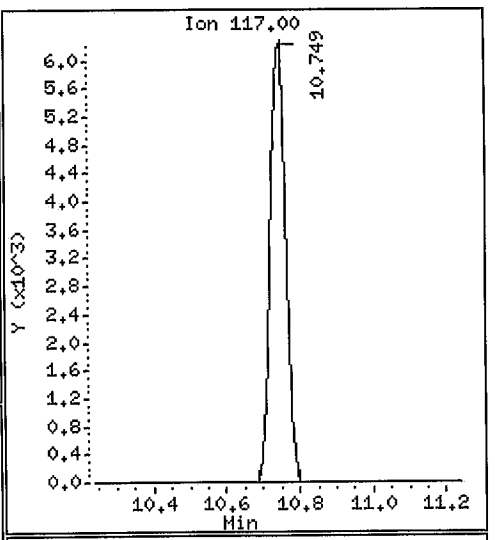
Column phase: Rtx-5

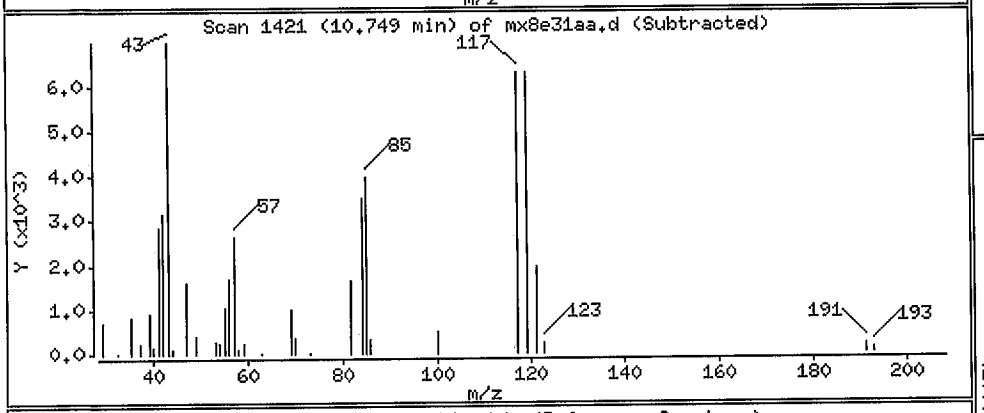
Column diameter: 0.32

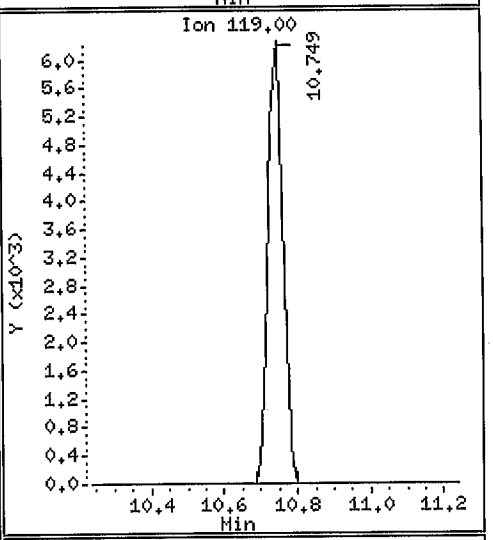
50 Carbon Tetrachloride

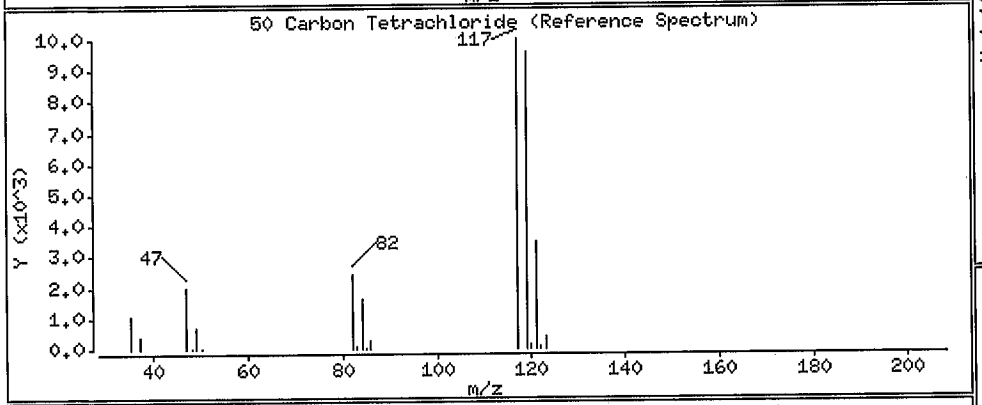
Concentration: 0.07582 ppb(v/v)

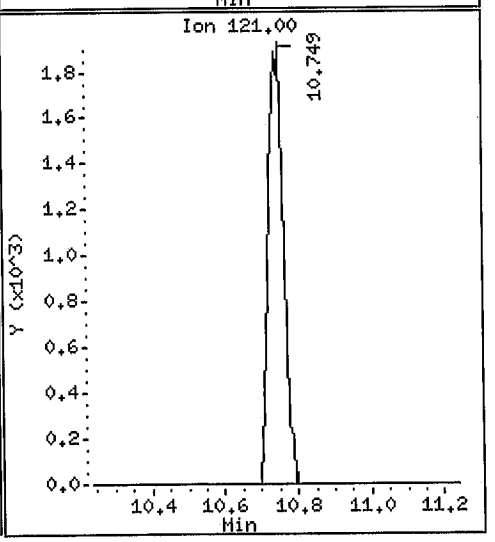


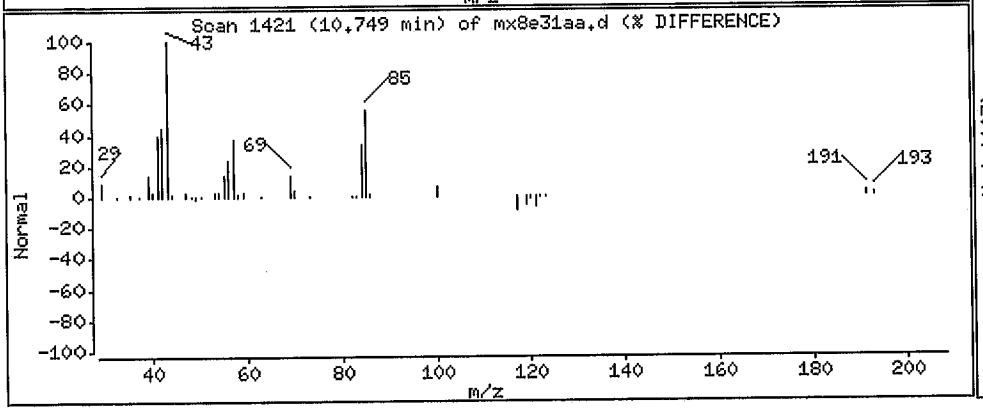












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

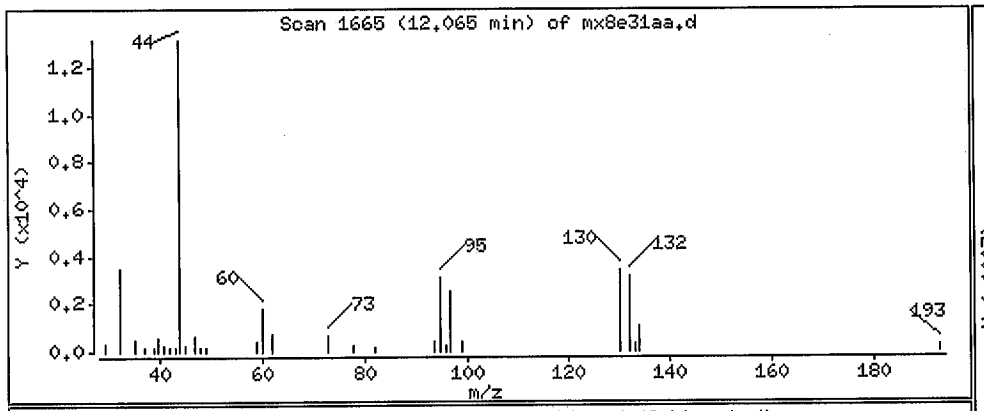
Operator: 403648

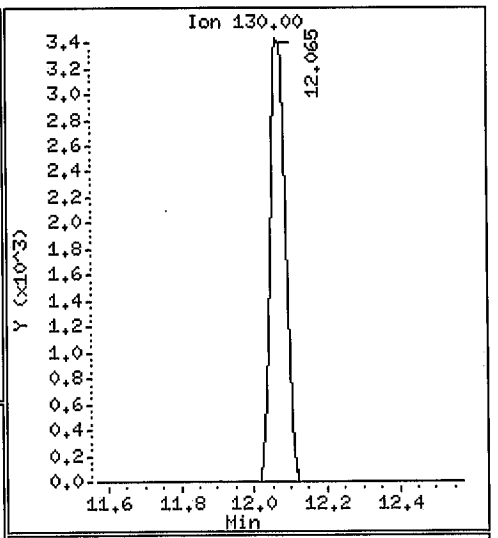
Column phase: Rtx-5

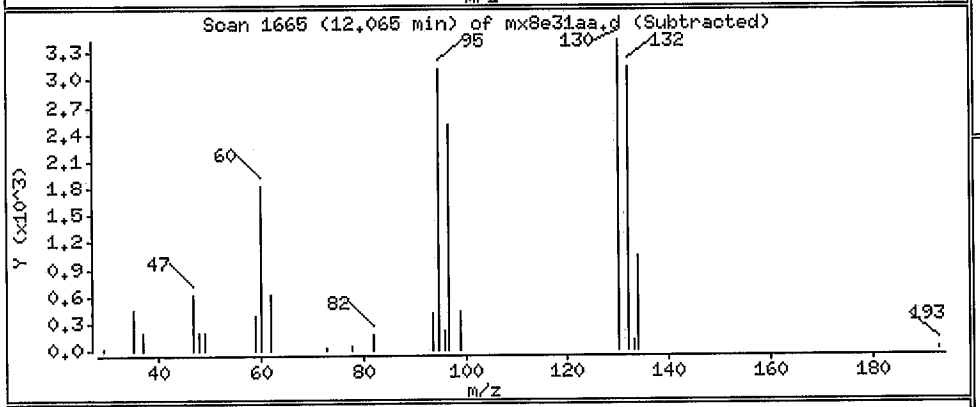
Column diameter: 0.32

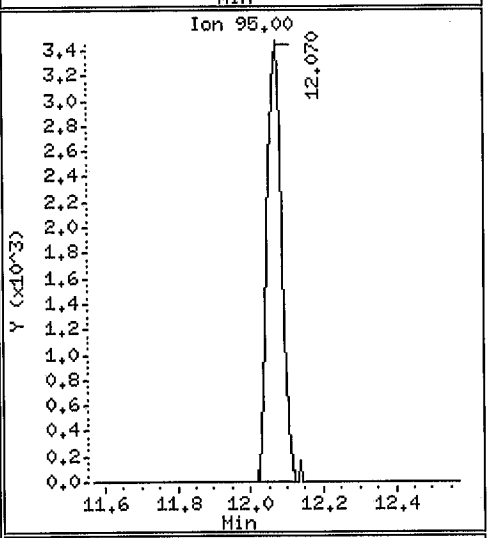
56 Trichloroethene

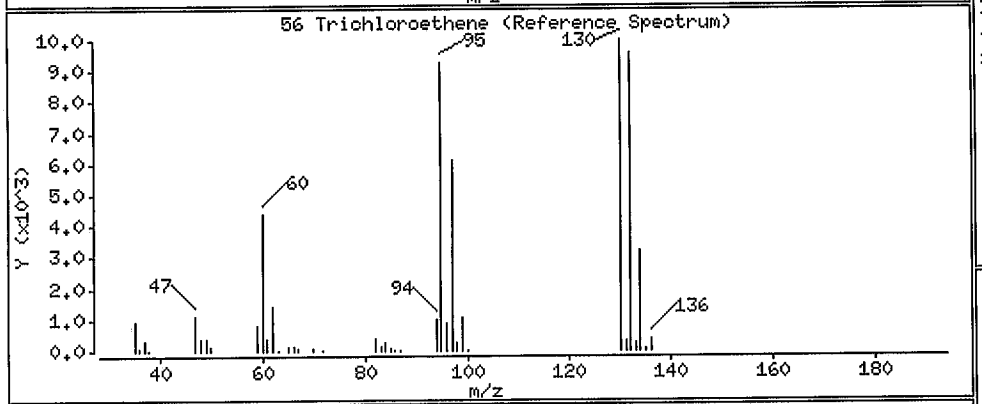
Concentration: 0.04706 ppb(v/v)

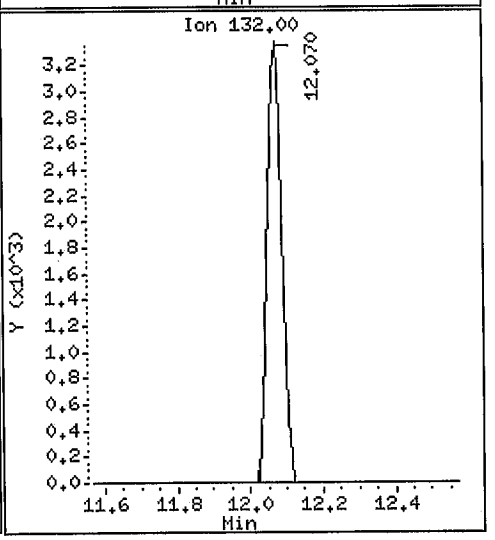


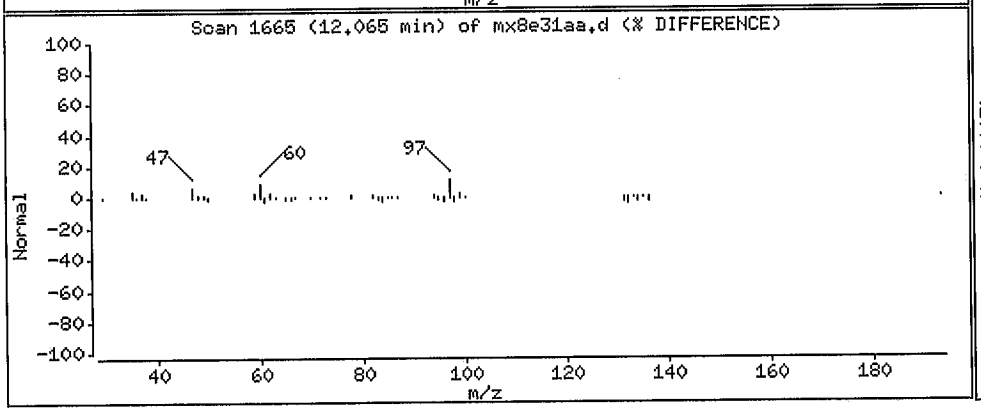












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

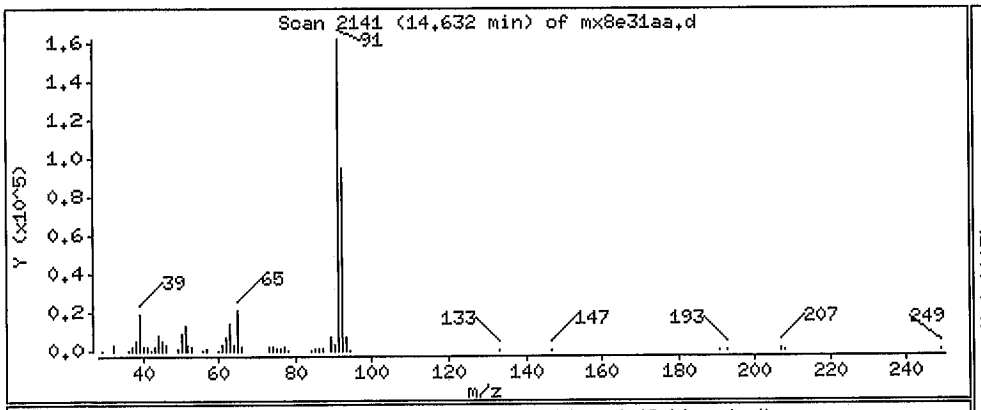
Client ID: 828076-IA-003B6-02 Instrument: mr.i

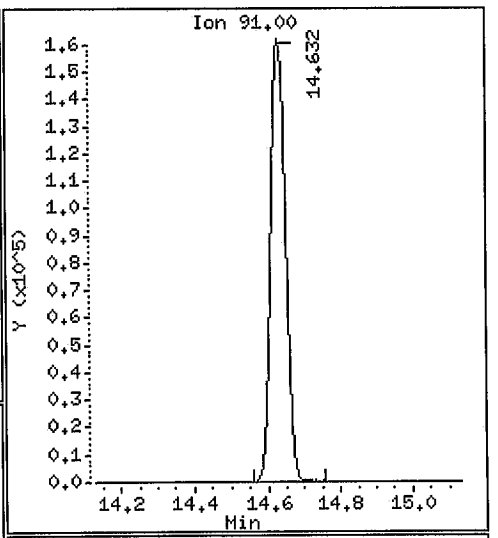
Sample Info: ,,0,,,

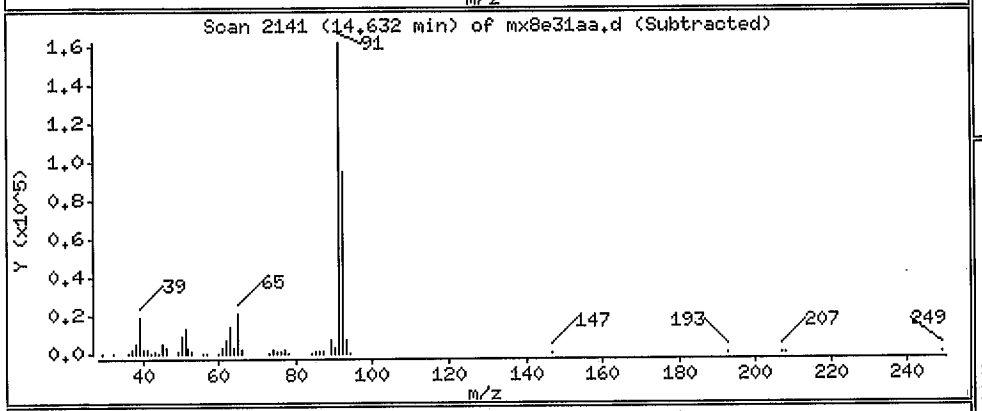
Purge Volume: 500.0 Operator: 403648

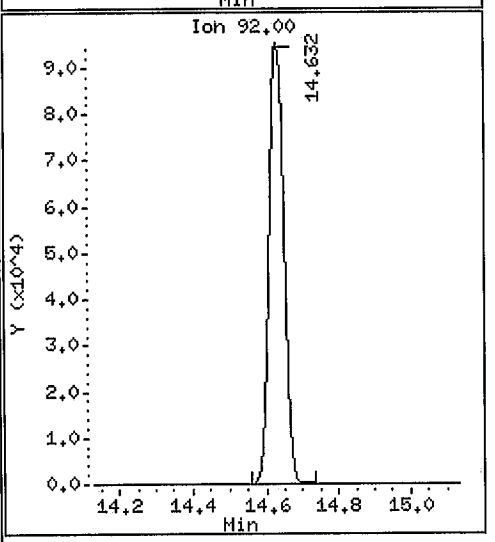
Column phase: Rtx-5 Column diameter: 0.32

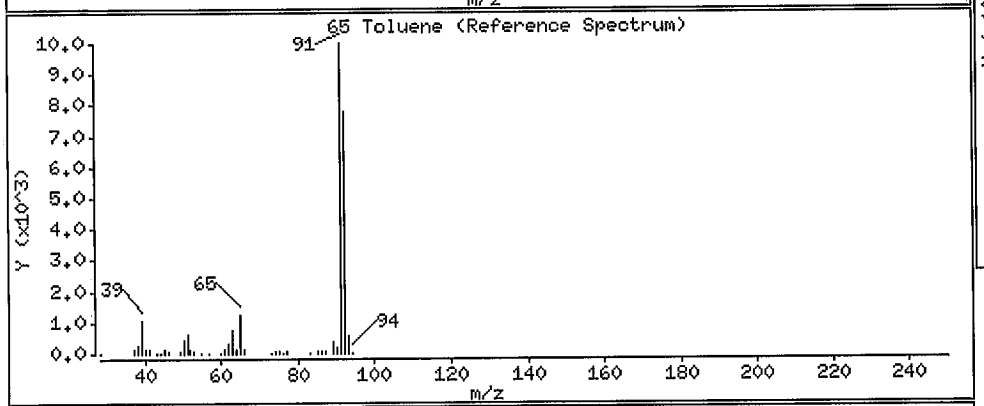
65 Toluene Concentration: 0.7391 ppb(v/v)

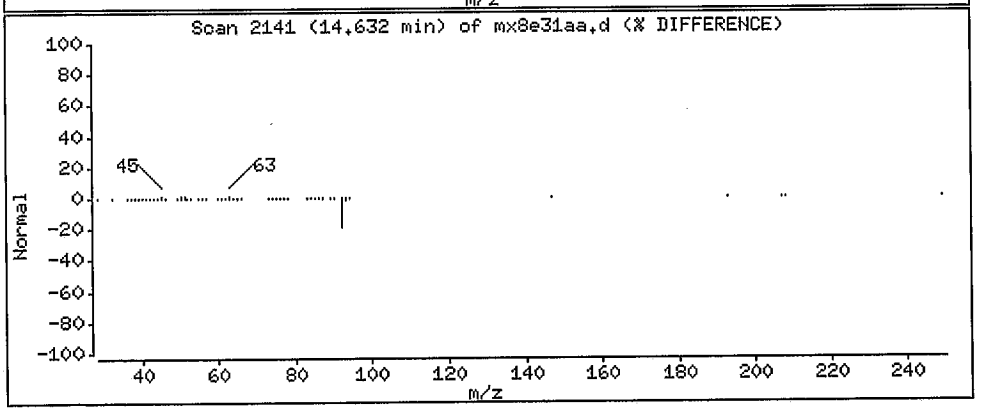












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

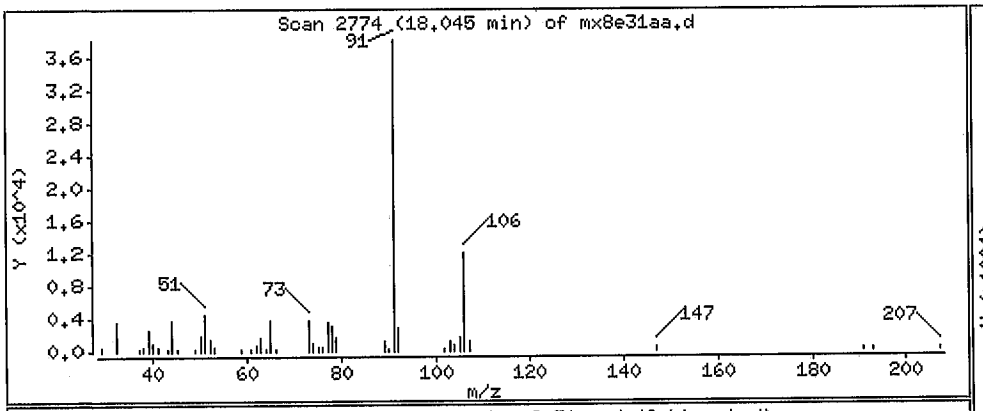
Operator: 403648

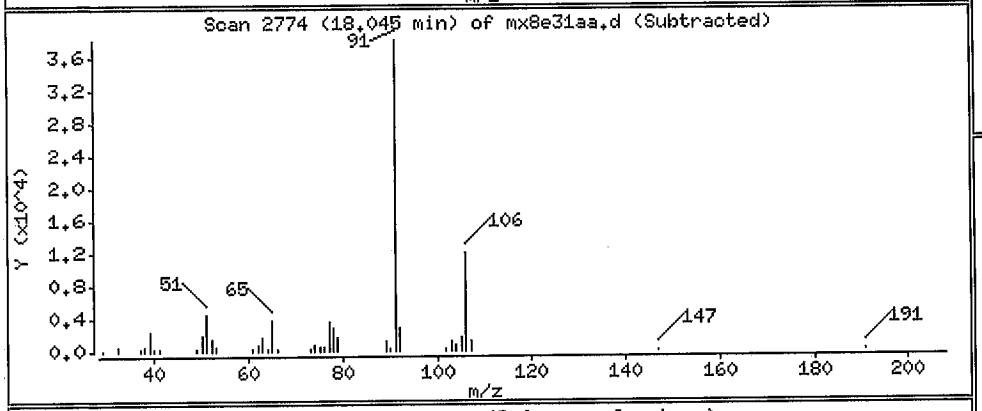
Column phase: Rtx-5

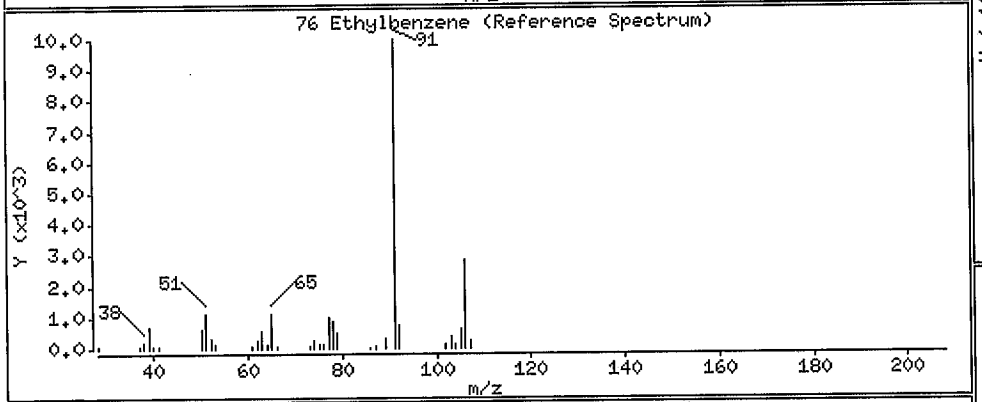
Column diameter: 0.32

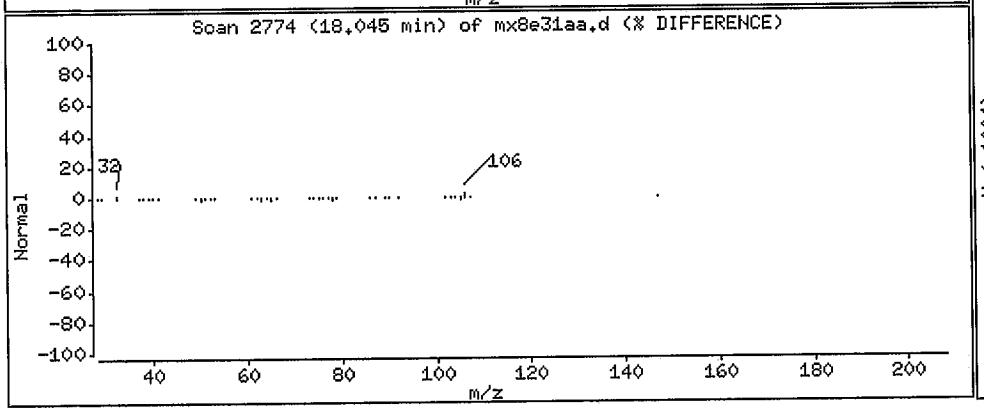
76 Ethylbenzene

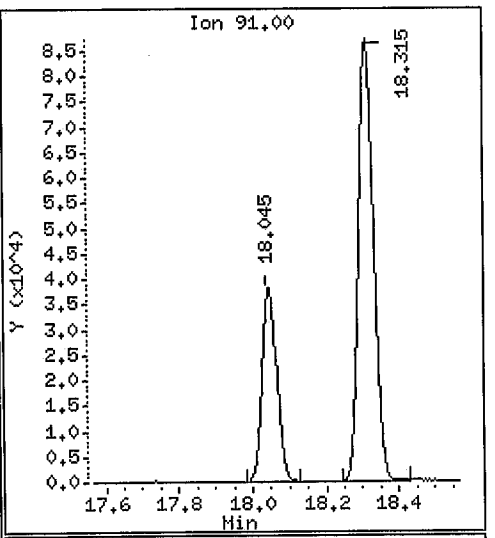
Concentration: 0.1414 ppb(v/v)

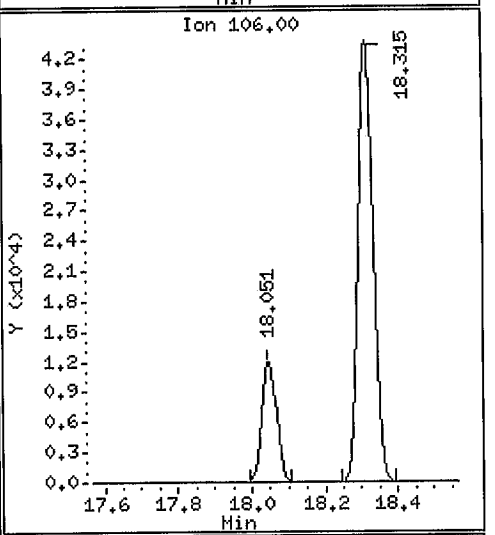


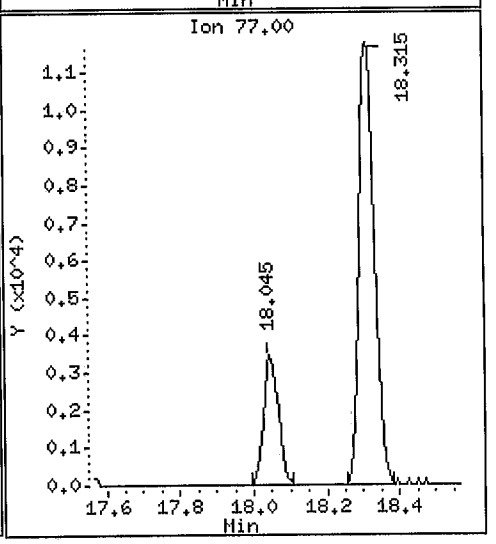












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

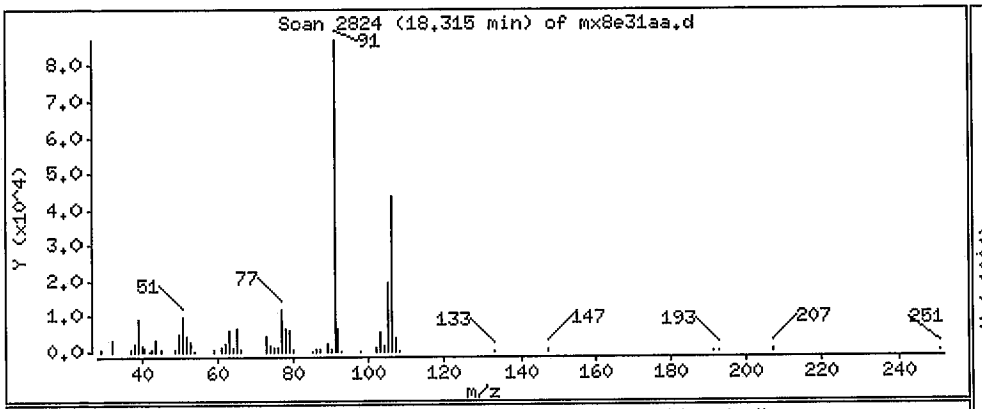
Operator: 403648

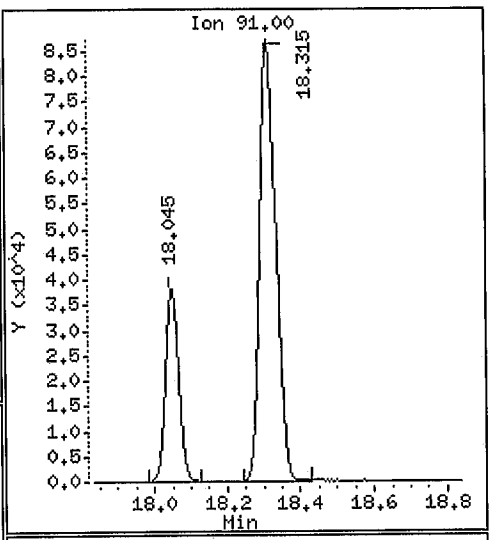
Column phase: Rtx-5

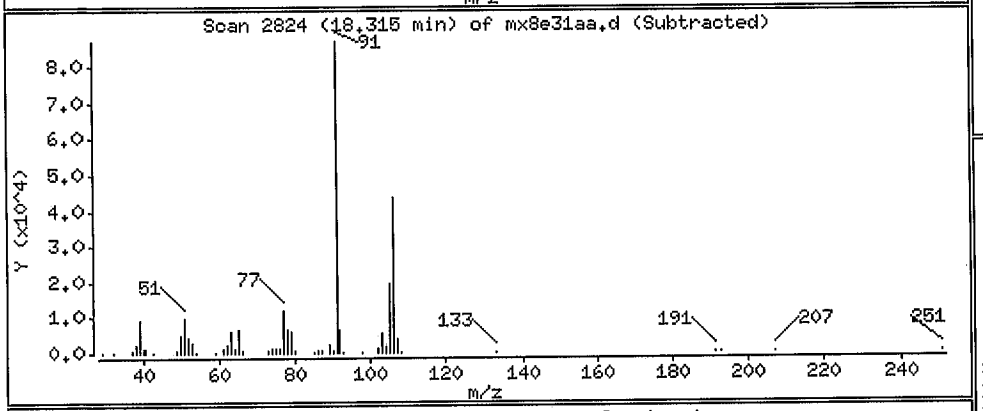
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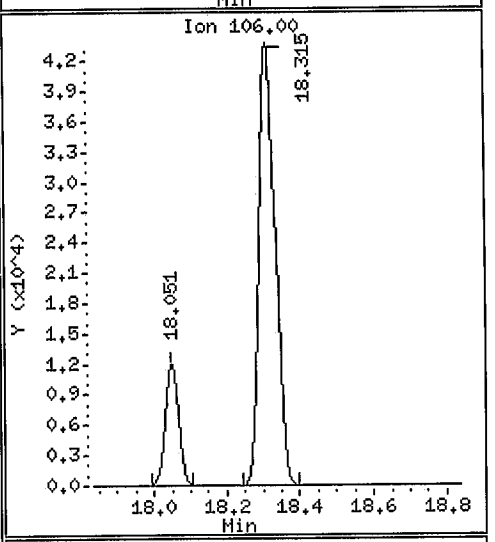
78 m&p-Xylene

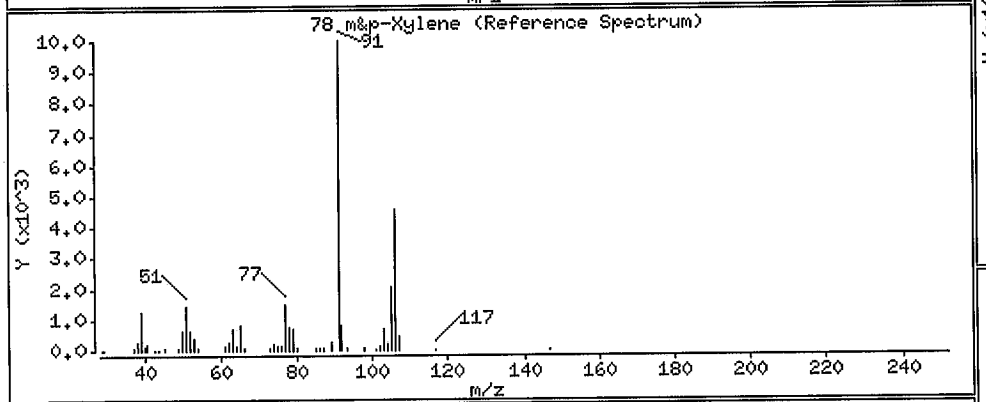
Concentration: 0.4769 ppb(v/v)

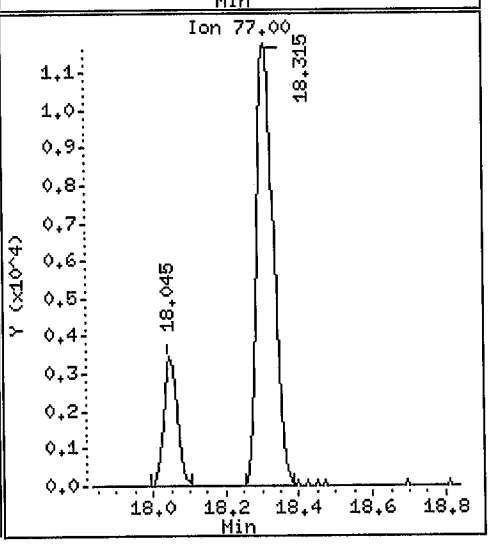


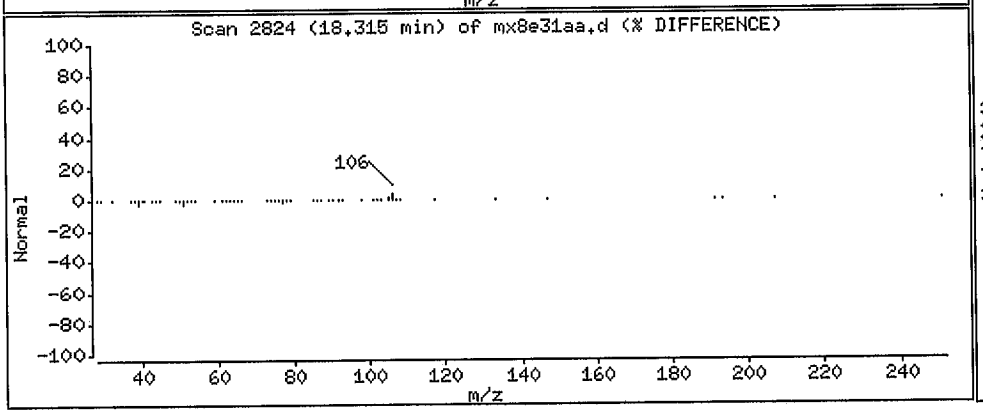












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

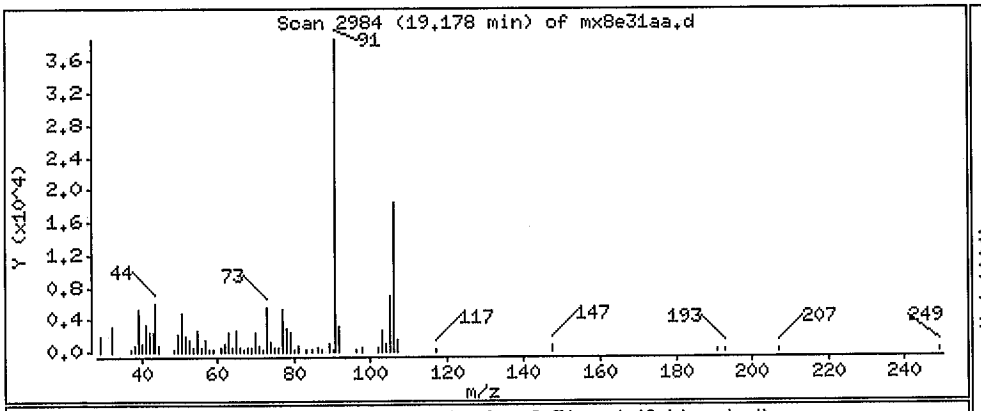
Operator: 403648

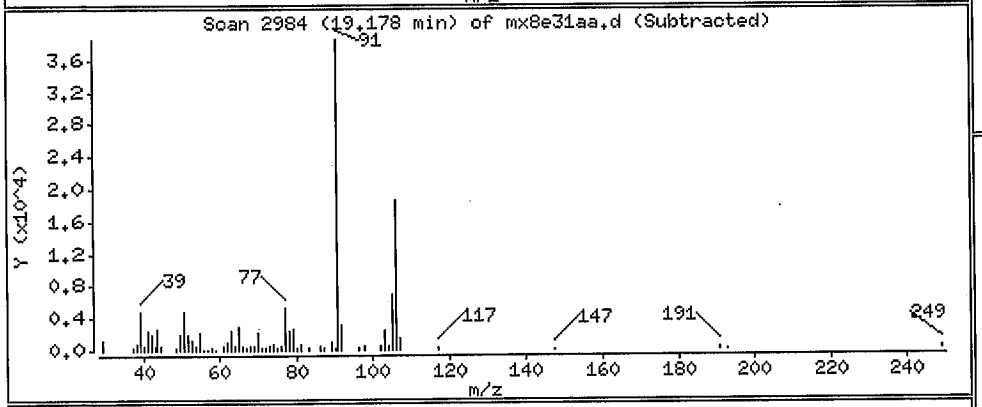
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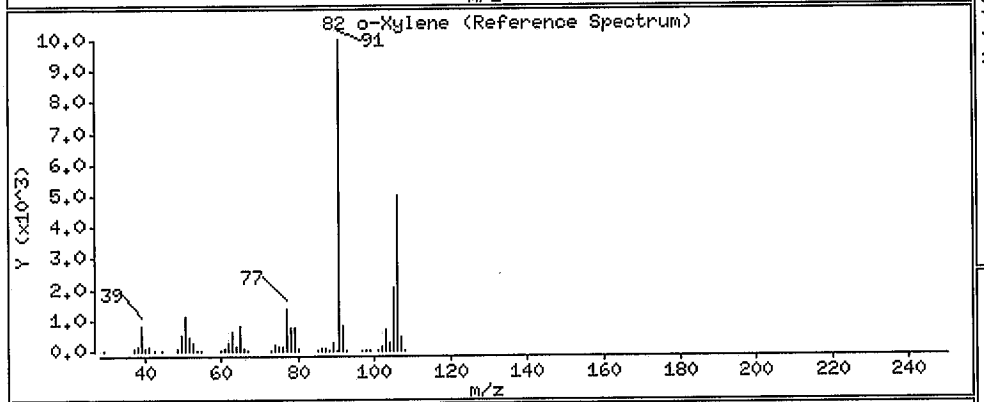
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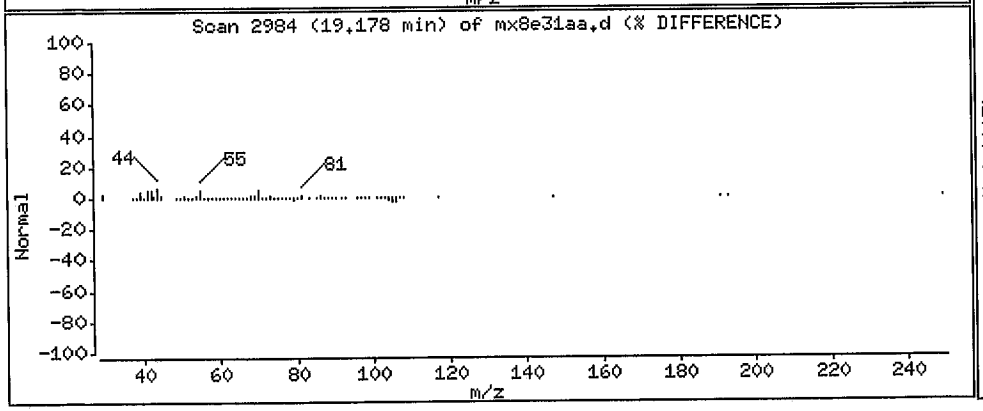
82 o-Xylene

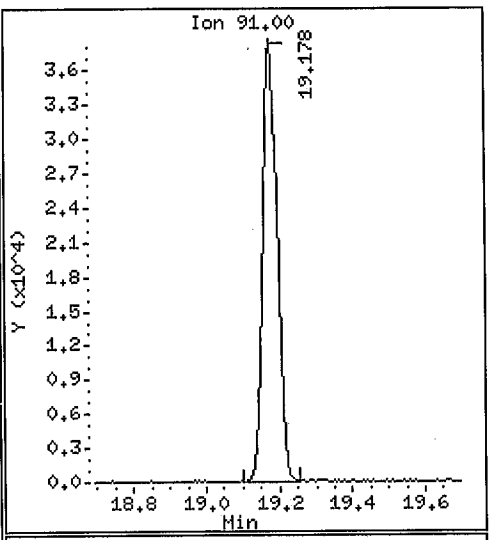
Concentration: 0.1796 ppb(v/v)

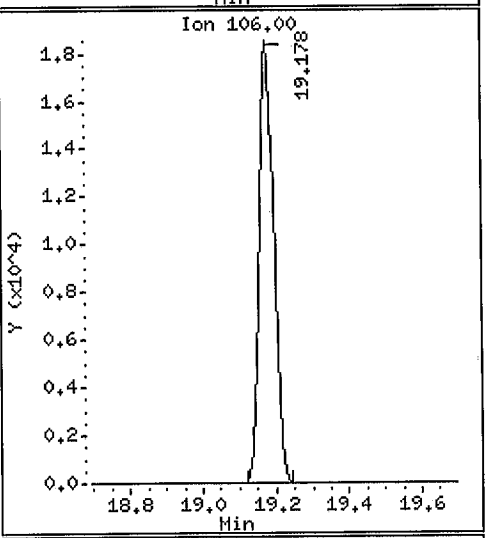


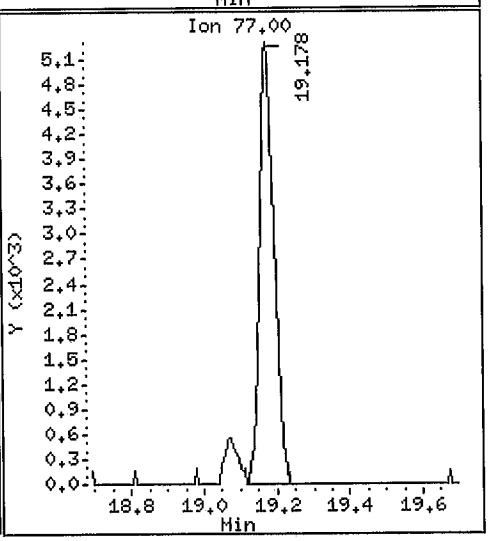












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

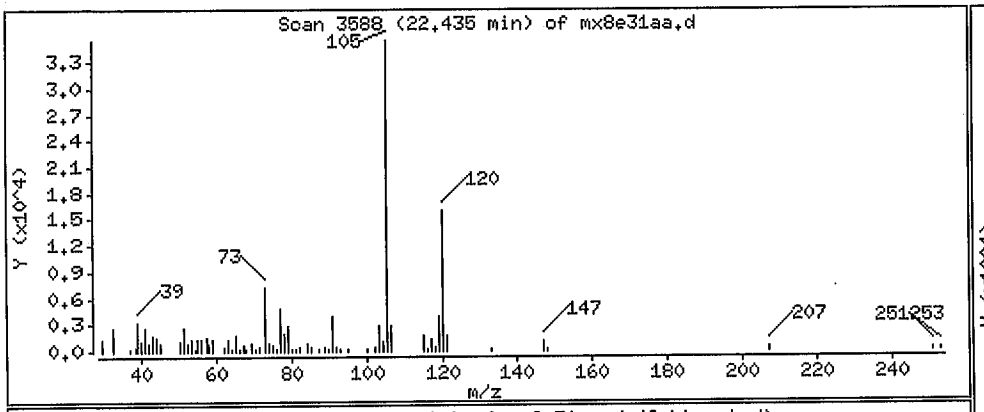
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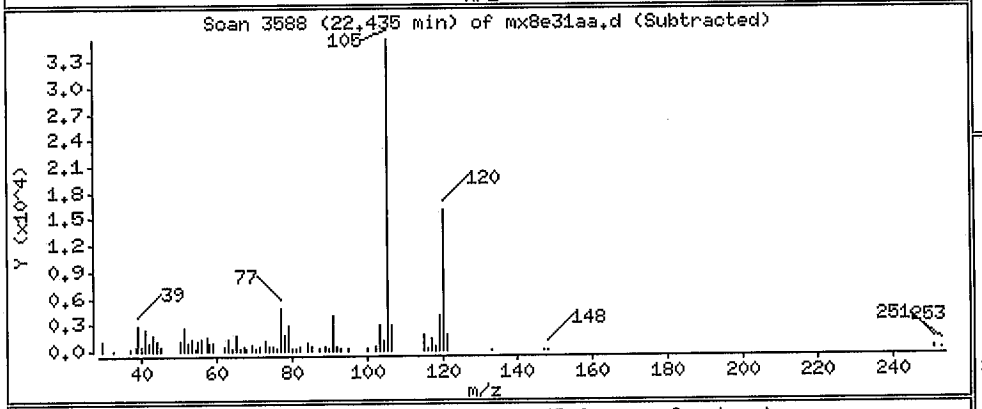
Column phase: Rtx-5

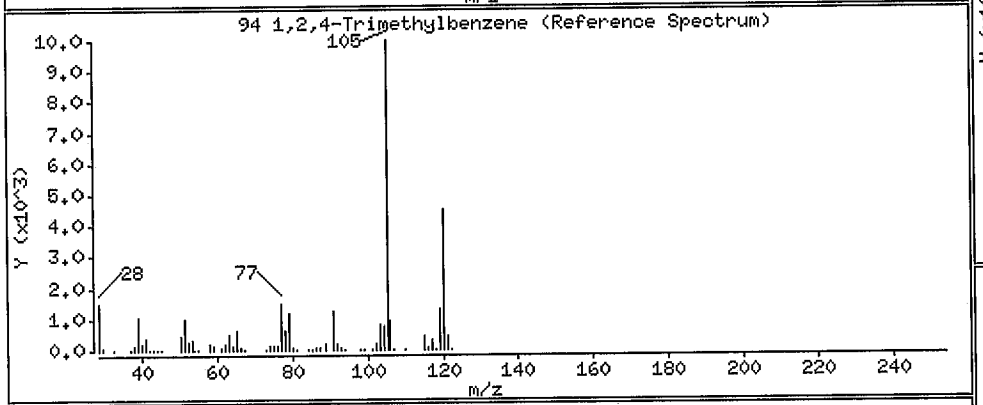
Column diameter: 0.32

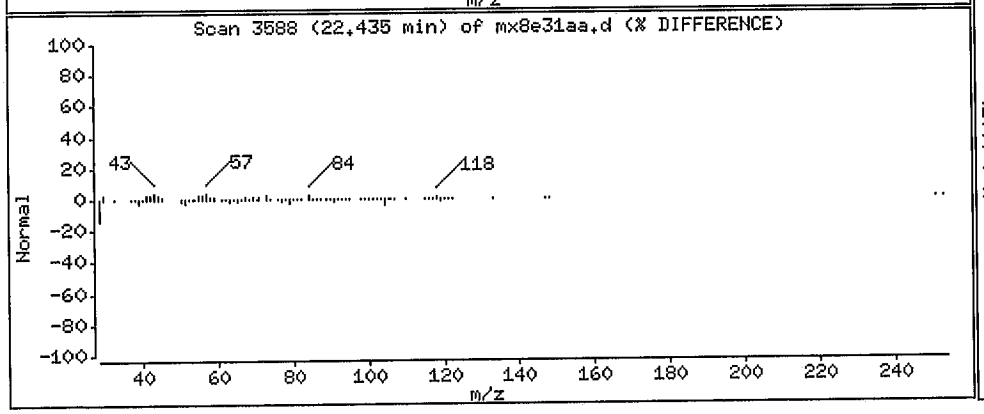
94 1,2,4-Trimethylbenzene

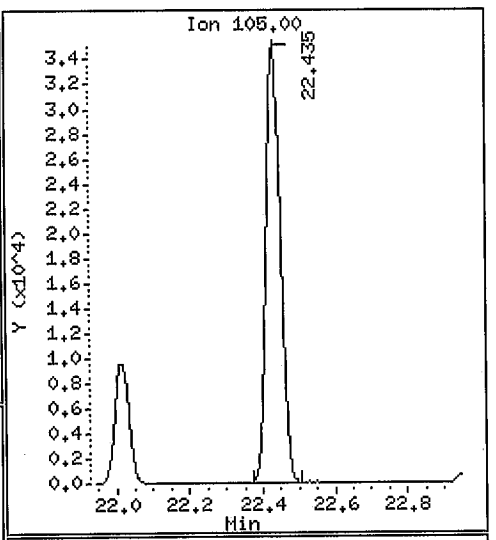
Concentration: 0.1311 ppb(v/v)

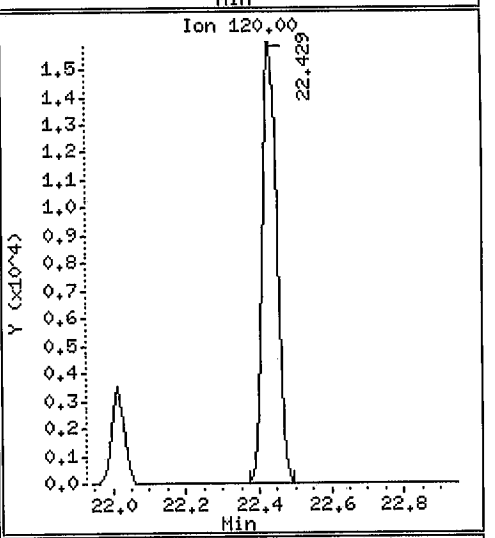


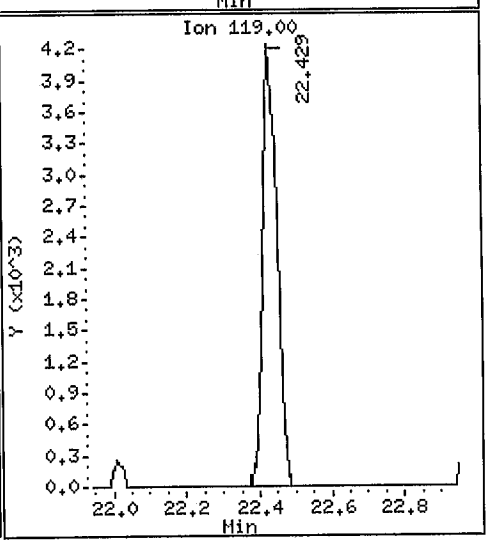












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e31aa.d

Date : 01-MAR-2013 06:00

Client ID: 828076-IA-003B6-02

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

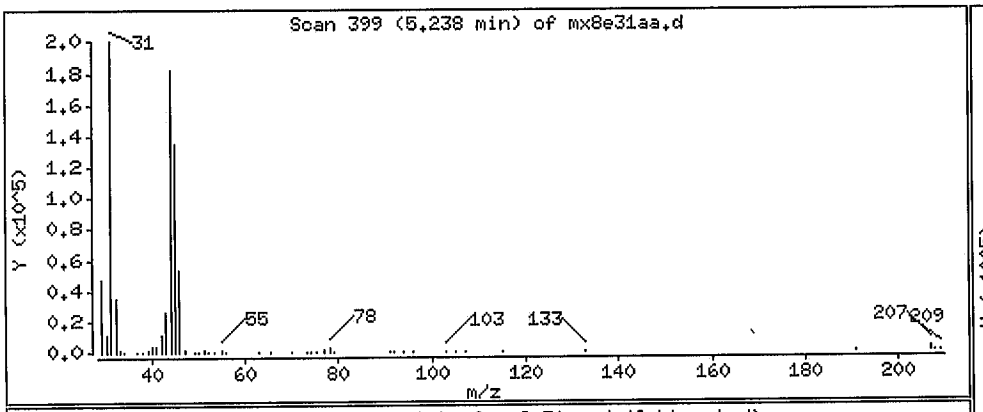
Operator: 403648

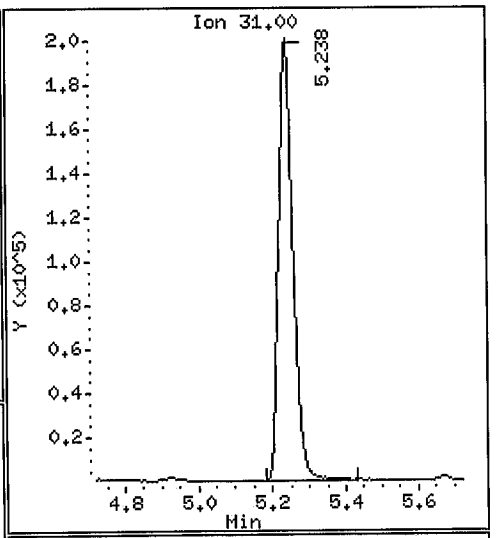
Column phase: Rtx-5

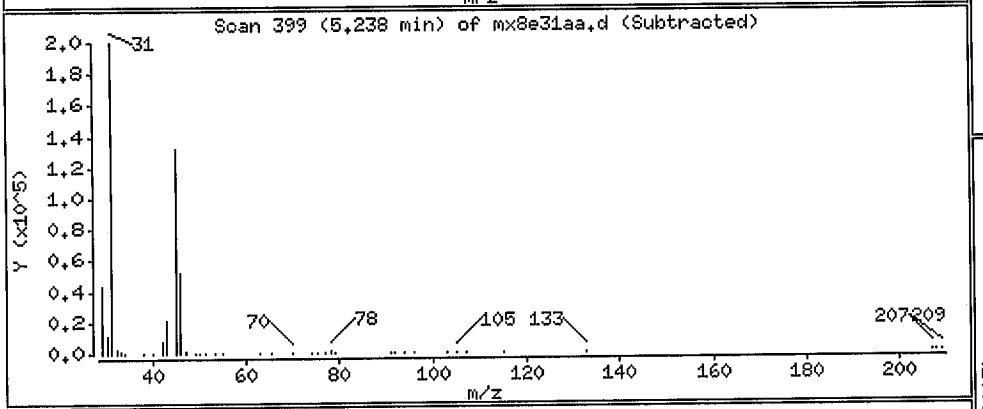
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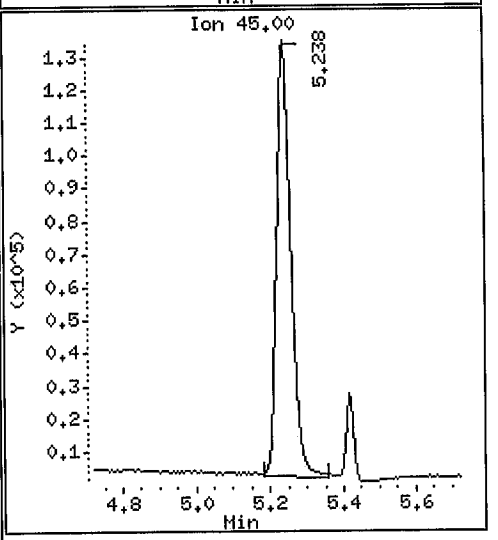
17 ~ ethanol

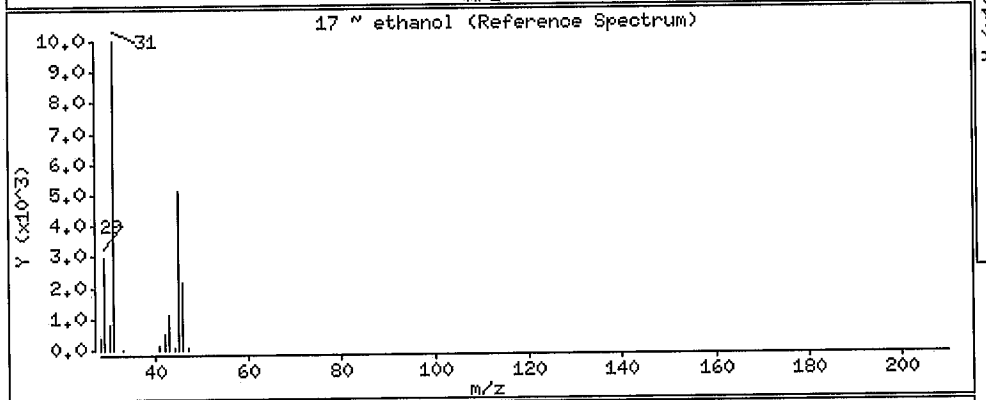
Concentration: 11.37 ppb(v/v)

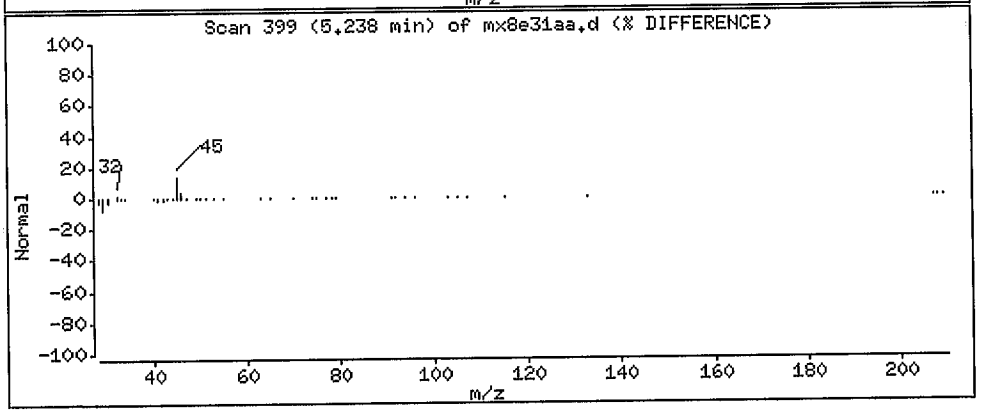












New York State D.E.C.

Client Sample ID: 828076-SS-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 021 **Work Order #** MX8E41AA **Matrix.....:** AIR

Date Sampled...: 02/21/2013 **Date Received..:** 02/28/2013
Prep Date.....: 03/02/2013 **Analysis Date...** 03/03/2013
Prep Batch #.....: 3063014
Dilution Factor.: 20 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	1.6	ND	8.7
1,1,2,2-Tetrachloroethane	ND	1.6	ND	11
1,1,2-Trichlorotrifluoroethane	ND	1.6	ND	12
1,1,2-Trichloroethane	ND	1.6	ND	8.7
1,1-Dichloroethane	ND	1.6	ND	6.5
1,1-Dichloroethene	ND	1.6	ND	6.3
1,2,4-Trichlorobenzene	ND	1.6	ND	12
1,2,4-Trimethylbenzene	ND	1.6	ND	7.9
1,2-Dibromoethane (EDB)	ND	1.6	ND	12
1,2-Dichlorobenzene	ND	1.6	ND	9.6
1,2-Dichloroethane	ND	1.6	ND	6.5
1,2-Dichloropropane	ND	1.6	ND	7.4
1,3,5-Trimethylbenzene	ND	1.6	ND	7.9
1,4-Dichlorobenzene	ND	1.6	ND	9.6
1,4-Dioxane	ND	4.0	ND	14
2-Butanone (MEK)	ND	6.4	ND	19
1,3-Dichlorobenzene	ND	1.6	ND	9.6
2,2,4-Trimethylpentane	ND	4.0	ND	19
Benzene	**2.1**	**1.6**	**6.7**	**5.1**
Benzyl chloride	ND	3.2	ND	17
Bromodichloromethane	ND	1.6	ND	11
Bromoform	ND	1.6	ND	17
Bromomethane	ND	1.6	ND	6.2
Carbon tetrachloride	ND	0.80	ND	5.0
Chlorobenzene	ND	1.6	ND	7.4
Chloroethane	**4.0**	**1.6**	**11**	**4.2**
Chloroform	ND	1.6	ND	7.8
Cyclohexane	**5.0**	**4.0**	**17**	**14**
Chloromethane	ND	4.0	ND	8.3
cis-1,2-Dichloroethene	ND	1.6	ND	6.3
cis-1,3-Dichloropropene	ND	1.6	ND	7.3
Dibromochloromethane	ND	1.6	ND	14
Dichlorodifluoromethane	ND	1.6	ND	7.9
Ethanol	ND	16	ND	30
Ethylbenzene	ND	1.6	ND	6.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.6	ND	11
n-Hexane	**11**	**4.0**	**40**	**14**
Hexachlorobutadiene	ND	1.6	ND	17

New York State D.E.C.

Client Sample ID: 828076-SS-003B6-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 021 **Work Order #** MX8E41AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	4.0	ND	16
Methyl tert-butyl ether	**5.2**	**3.2**	**19**	**12**
Methylene chloride	ND	4.0	ND	14
Styrene	ND	1.6	ND	6.8
tert-Butyl alcohol	ND	6.4	ND	19
Tetrachloroethene	**9.5**	**1.6**	**64**	**11**
Toluene	**4.6**	**1.6**	**17**	**6.0**
m-Xylene & p-Xylene	**3.0**	**1.6**	**13**	**6.9**
o-Xylene	ND	1.6	ND	6.9
trans-1,2-Dichloroethene	ND	1.6	ND	6.3
trans-1,3-Dichloropropene	ND	1.6	ND	7.3
Trichloroethene	**72**	**0.80**	**390**	**4.3**
Trichlorofluoromethane	ND	1.6	ND	9.0
Vinyl chloride	ND	1.6	ND	4.1

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	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/mg.i/G030213.b/mx8e41aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d
Lab Smp Id: MX8E41AA Client Smp ID: 828076-SS-003B6-02
Inj Date : 03-MAR-2013 02:07
Operator : 403648 Inst ID: mg.i
Smp Info : ,20,0,,,
Misc Info : G030213,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030213.b/TO15.m
Meth Date : 04-Mar-2013 09:32 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 13
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	20.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	7.575	7.581	(1.000)	465261	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.646	9.651	(1.000)	2182344	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.586	14.591	(1.000)	1890401	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.279	16.284	(1.116)	1266343	3.77811	3.778
16 Chloroethane	64	4.151	4.151	(0.548)	10959	0.19926	3.985
36 Methyl-t-Butyl Ether	73	6.200	6.179	(0.818)	85278	0.26056	5.211
40 Hexane	56	6.864	6.864	(0.906)	69821	0.56244	11.25
49 Cyclohexane	69	9.004	9.010	(0.933)	17333	0.25251	5.050
48 Benzene	78	9.058	9.064	(0.939)	43615	0.10435	2.087
56 Trichloroethene	130	10.363	10.363	(1.074)	820929	3.58493	71.70
65 Toluene	91	12.531	12.531	(0.859)	114557	0.22875	4.575
73 Tetrachloroethene	129	13.707	13.712	(0.940)	92864	0.47278	9.456
78 m&p-Xylene	91	15.098	15.103	(1.035)	72073	0.15027	3.005

Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8e41aa.d
Lab Smp Id: MX8E41AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

Calibration Date: 02-MAR-2013
Calibration Time: 13:15
Client Smp ID: 828076-SS-003B6-02
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	347074	206509	487639	465261	34.05
2 1,4-Difluorobenze	1570764	934605	2206923	2182344	38.94
3 Chlorobenzene-d5	1425721	848304	2003138	1890401	32.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	-0.07
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.05
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	-0.04

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/mg.i/G030213.b/mx8e41aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

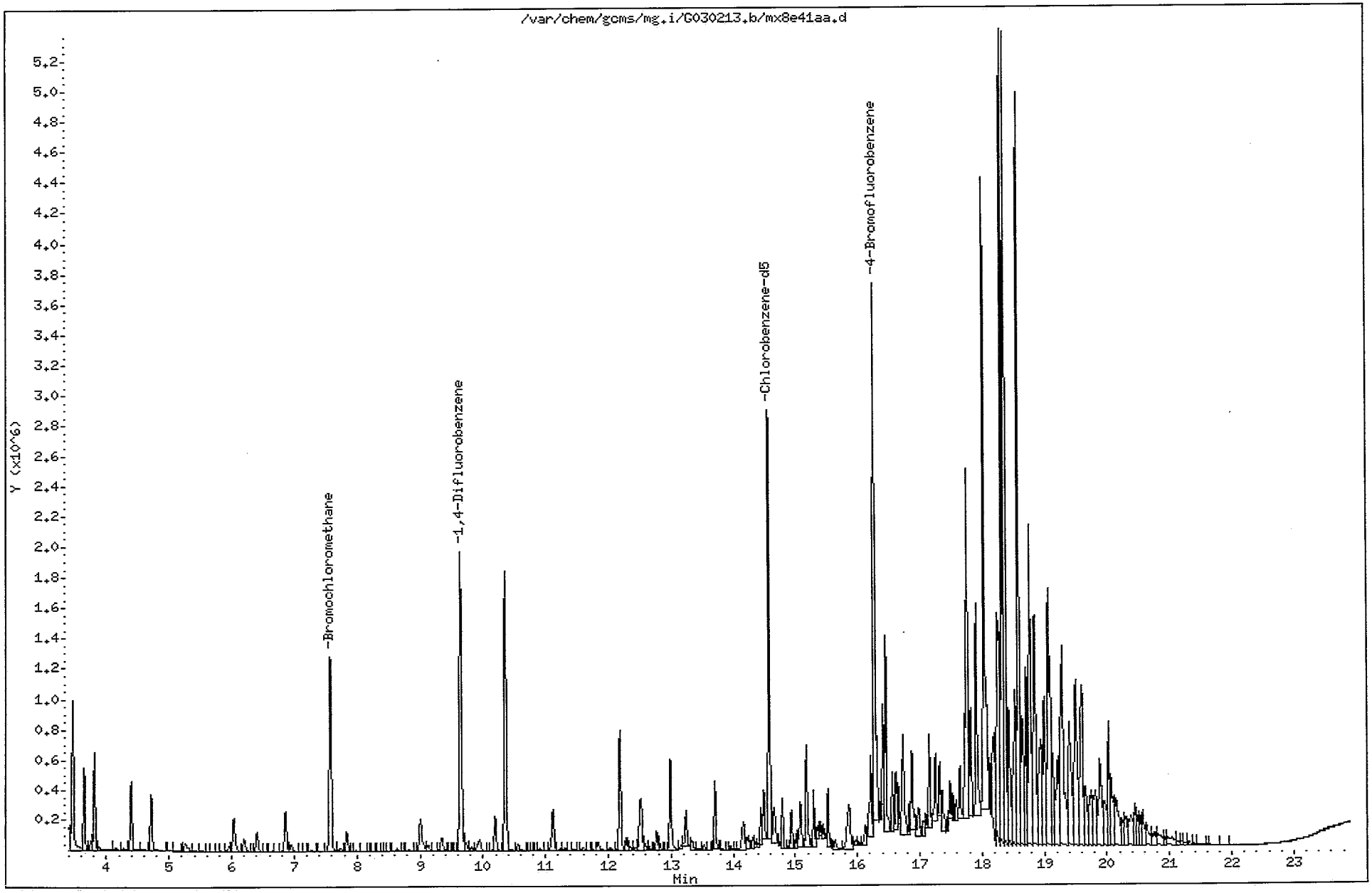
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E41AA Client Smp ID: 828076-SS-003B6-02
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.778	94.45	60-140

Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d
Date : 03-MAR-2013 02:07
Client ID: 828076-SS-003B6-02
Sample Info: ,20,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

Client ID: 828076-SS-003B6-02

Instrument: mg.i

Sample Info: ,20,0,,,

Purge Volume: 500.0

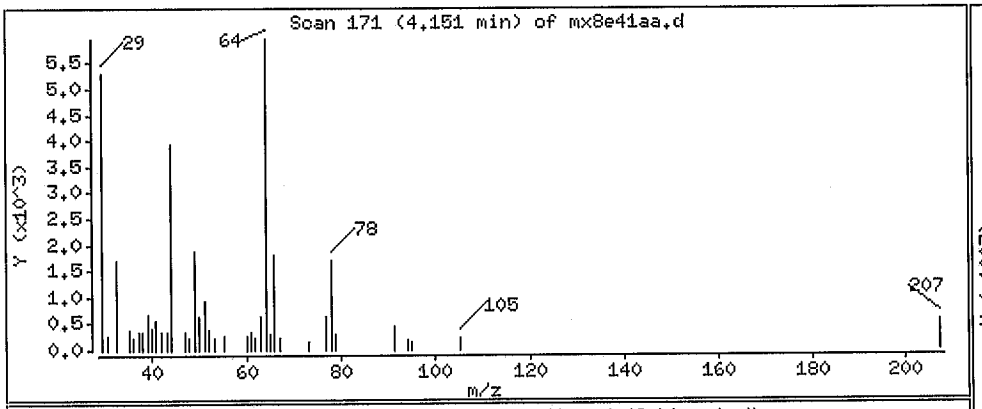
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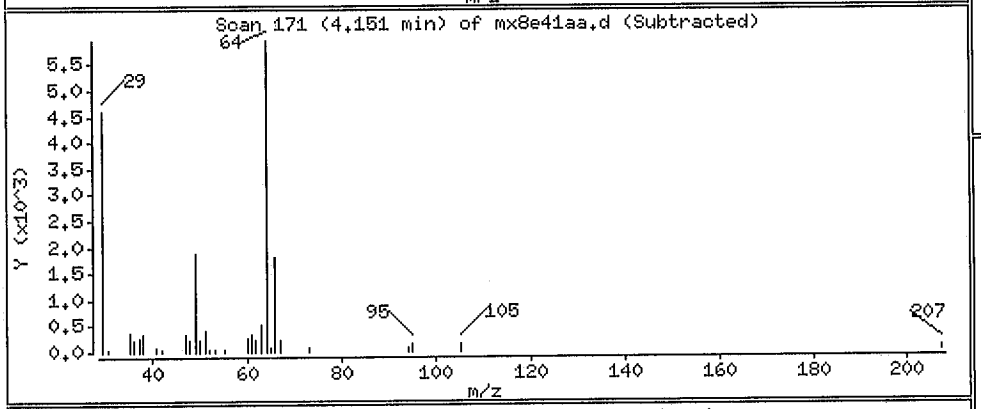
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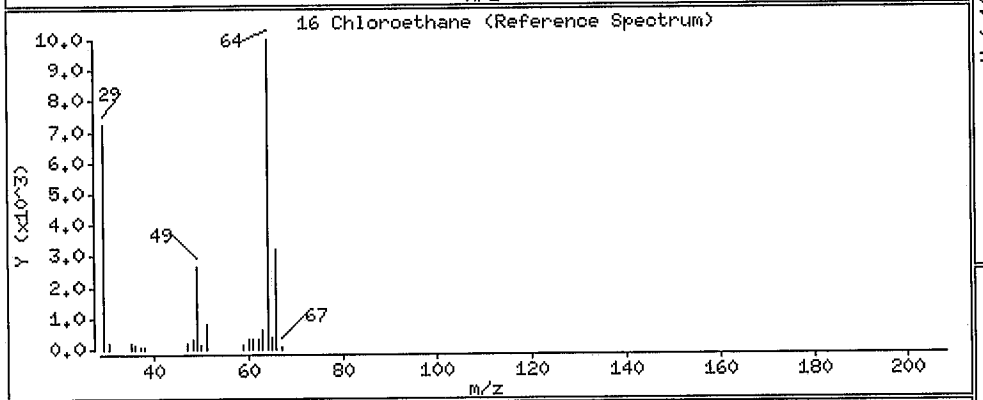
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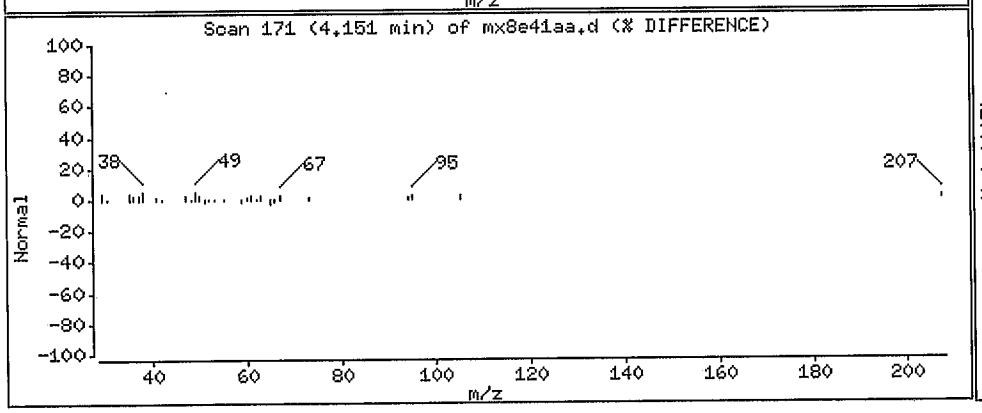
16 Chloroethane

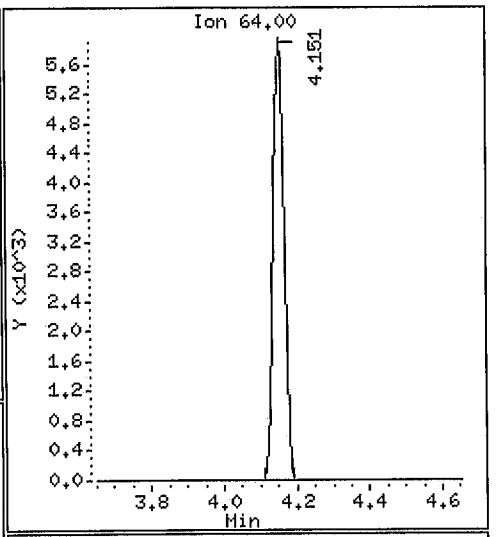
Concentration: 3.985 ppb(v/v)

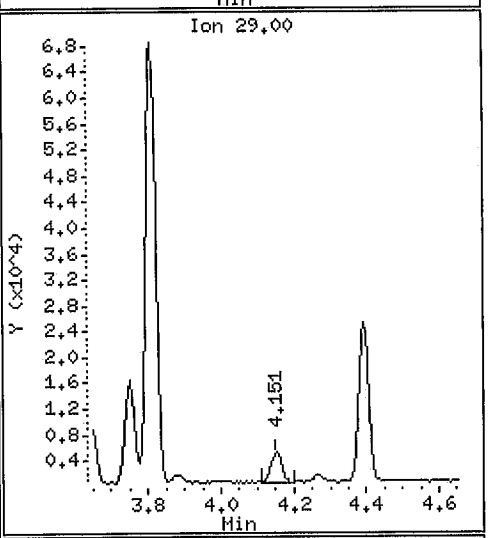


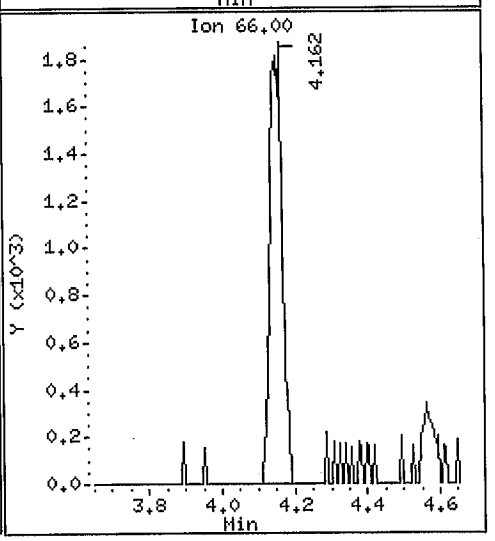












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

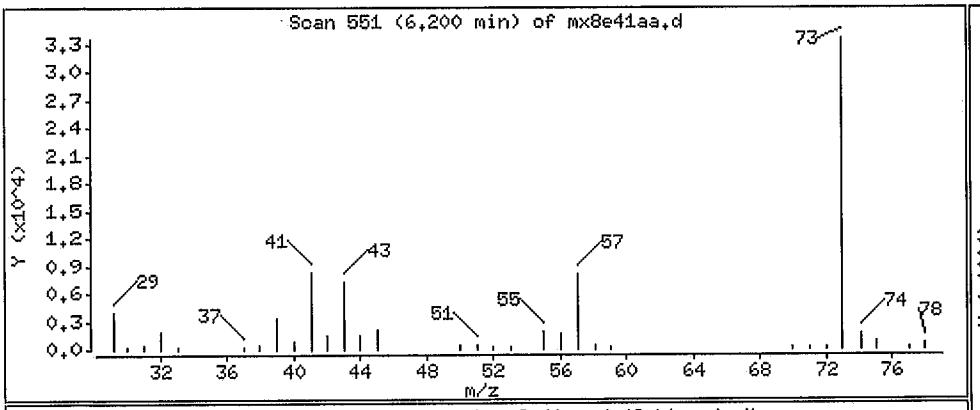
Client ID: 828076-SS-003B6-02 Instrument: mg.i

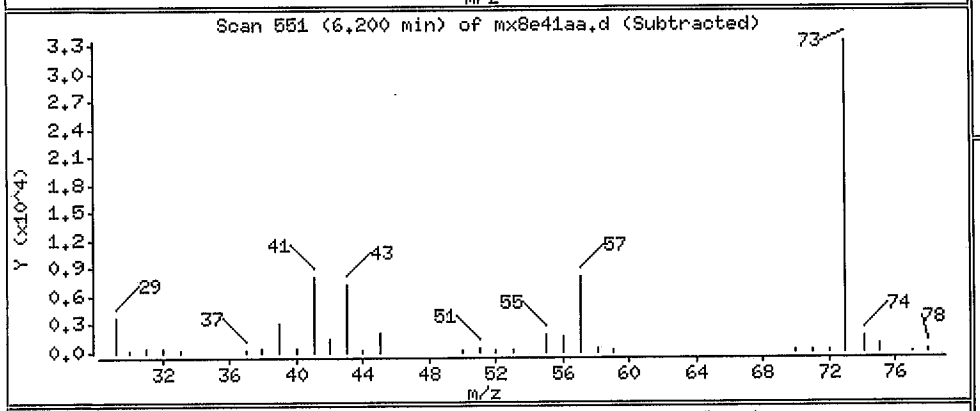
Sample Info: ,20,0,,,

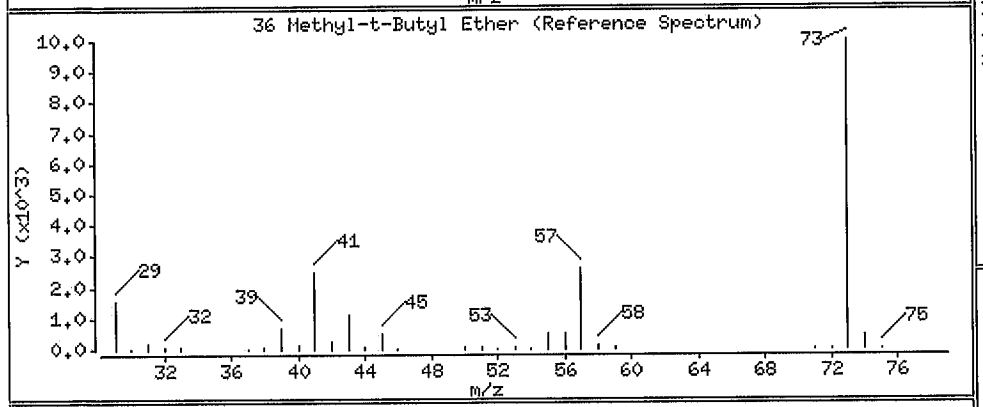
Purge Volume: 500.0 Operator: 403648

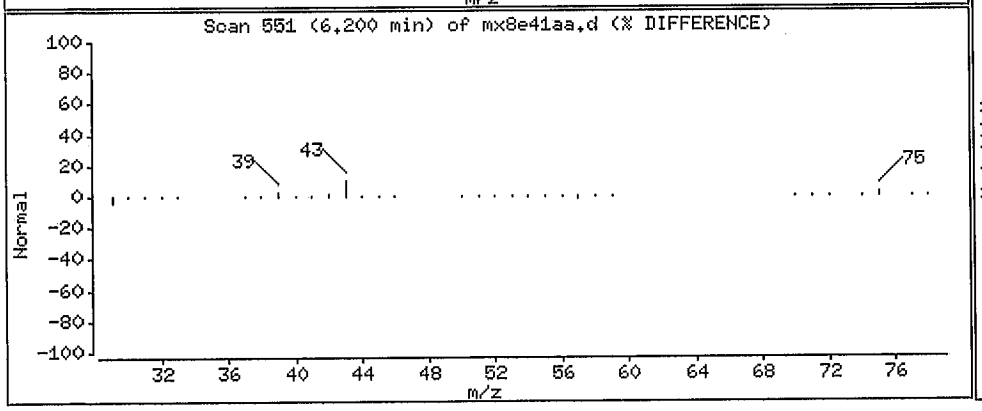
Column phase: Rtx-5 Column diameter: 0.32

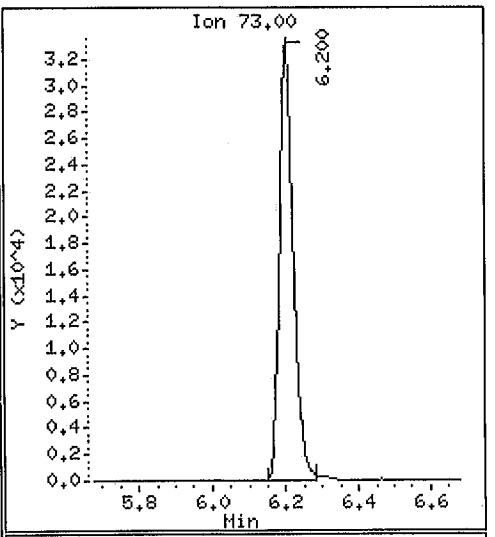
36 Methyl-t-Butyl Ether Concentration: 5.211 ppb(v/v)

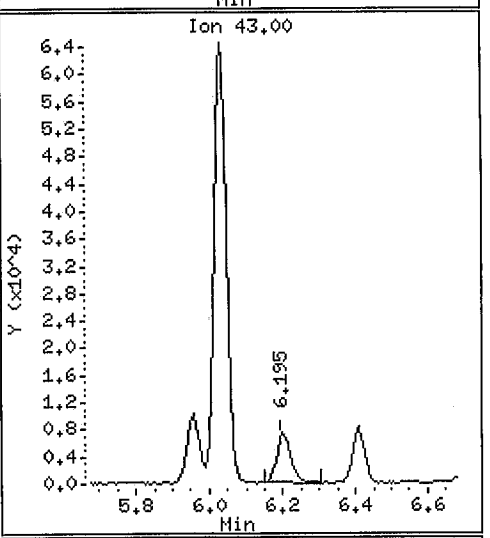


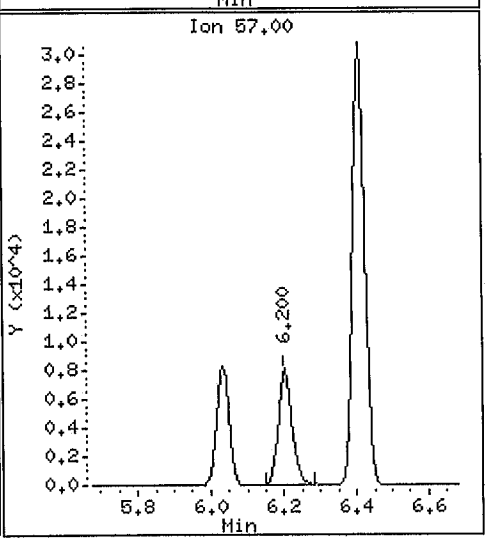












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

Client ID: 828076-SS-003B6-02

Instrument: mg.i

Sample Info: ,20,0,,,

Purge Volume: 500.0

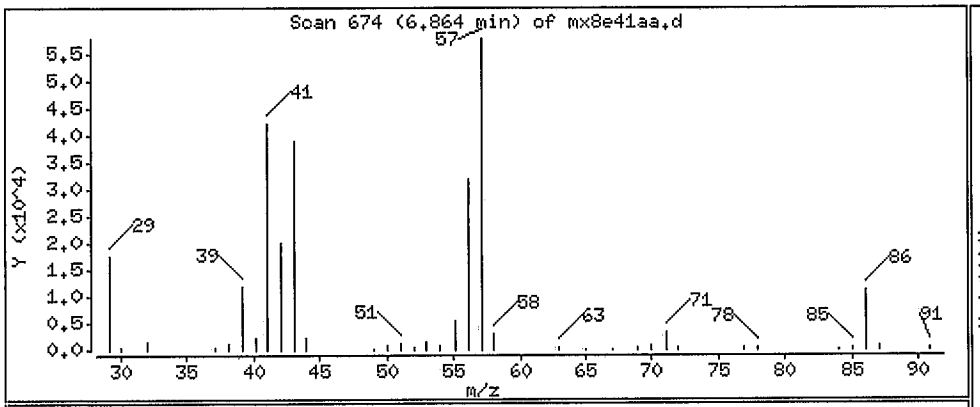
Operator: 403648

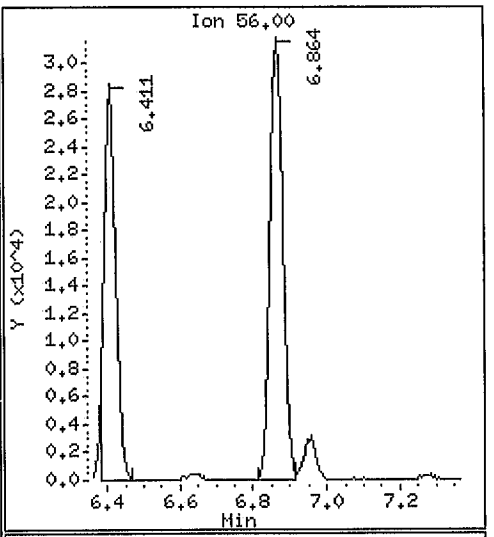
Column phase: Rtx-5

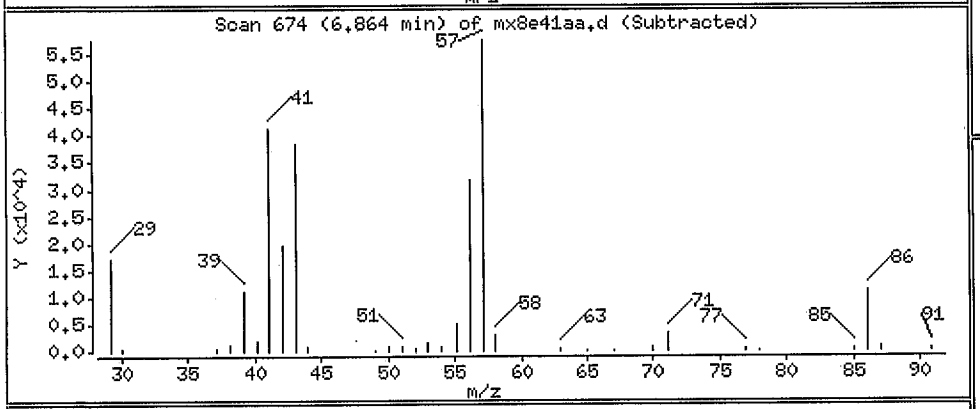
Column diameter: 0.32

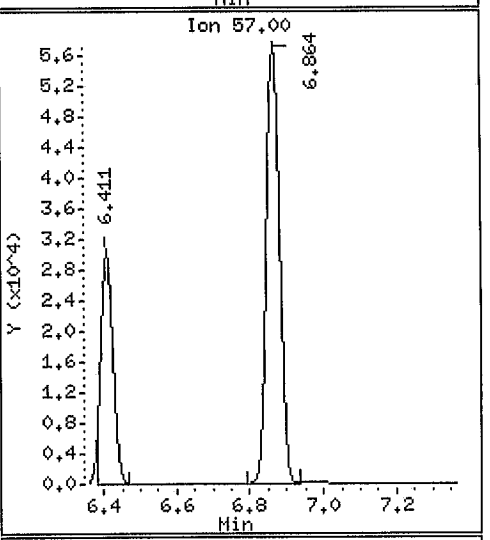
40 Hexane

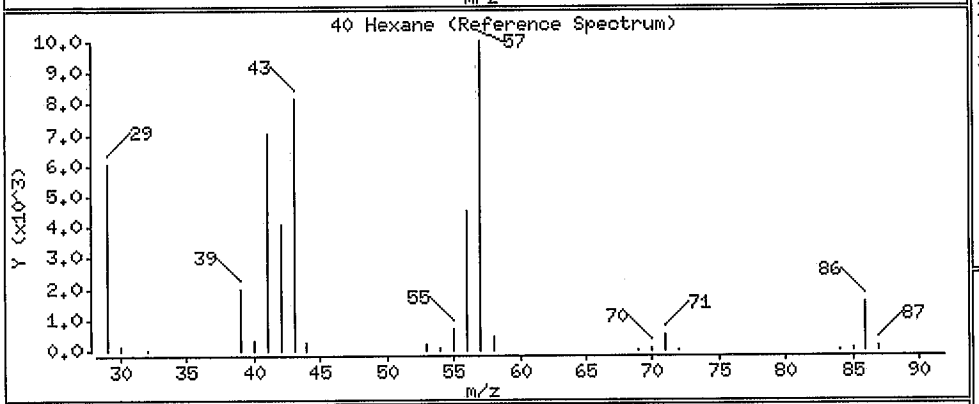
Concentration: 11.25 ppb(v/v)

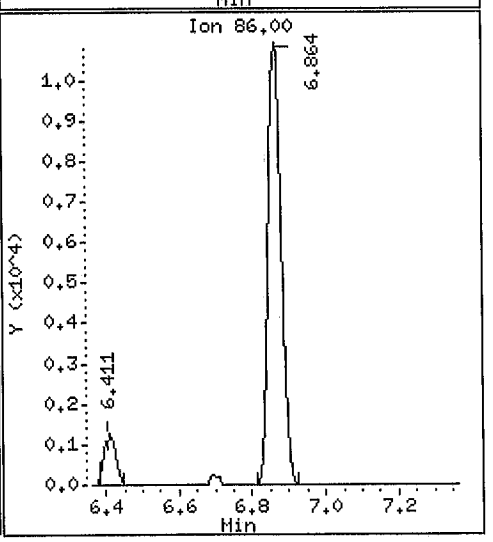


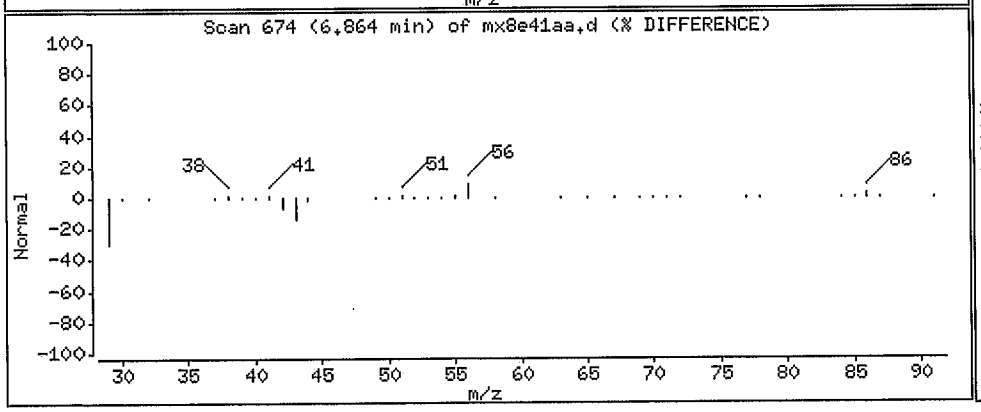












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

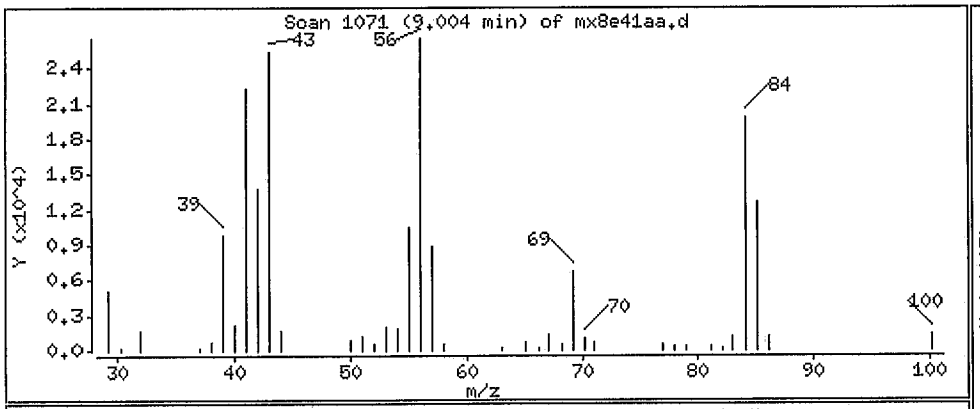
Client ID: 828076-SS-003B6-02 Instrument: mg.i

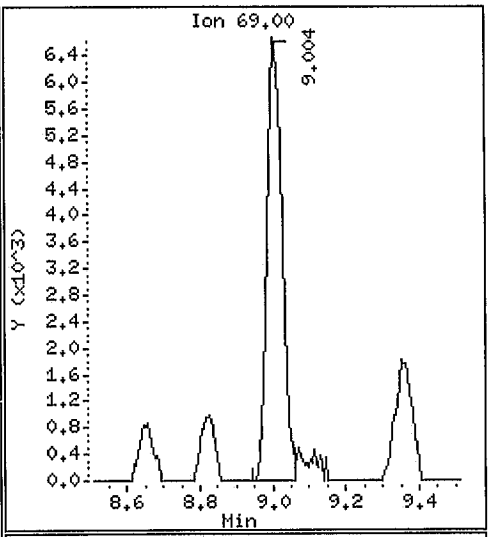
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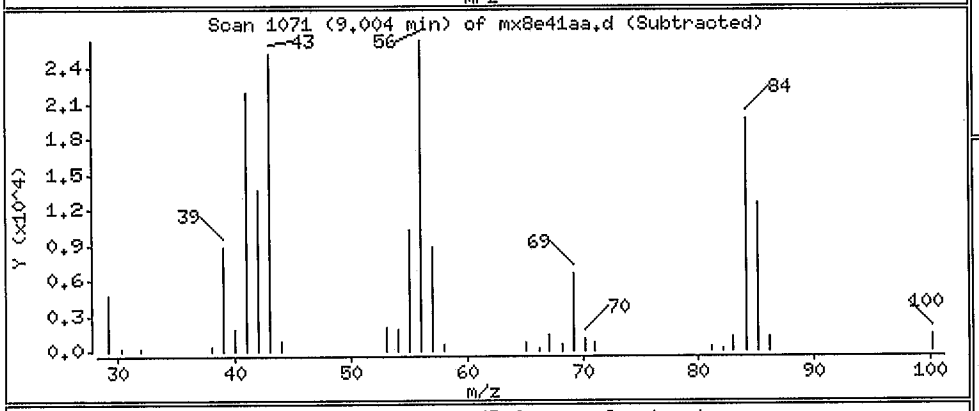
Purge Volume: 500.0 Operator: 403648

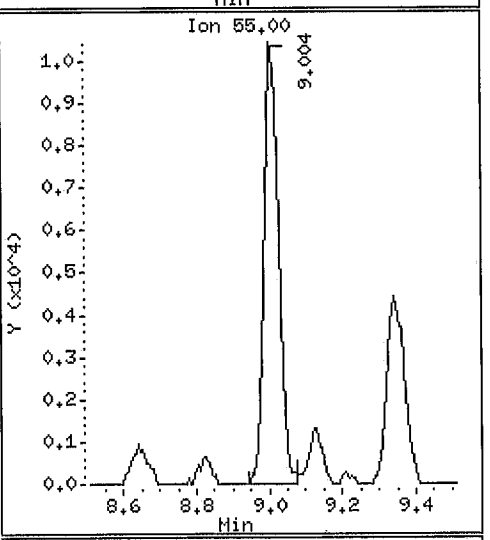
Column phase: Rtx-5 Column diameter: 0.32

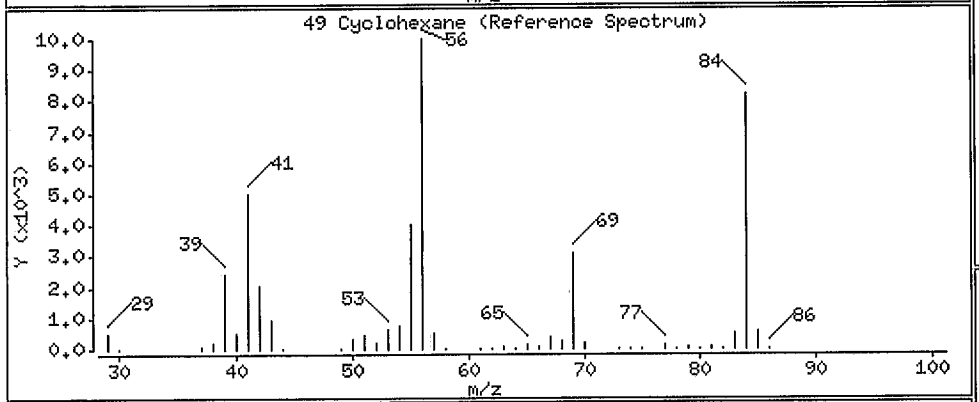
49 Cyclohexane Concentration: 5.050 ppb(v/v)

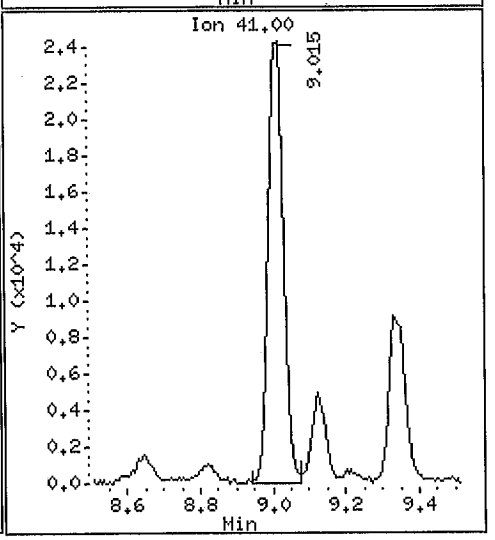


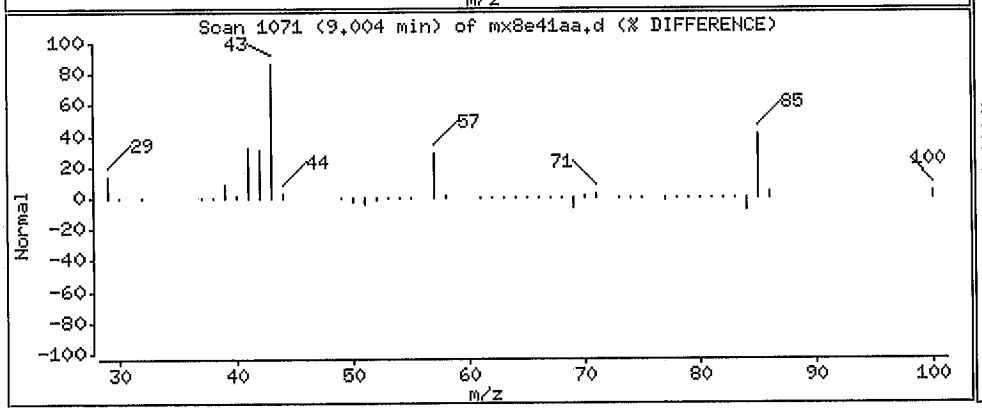












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

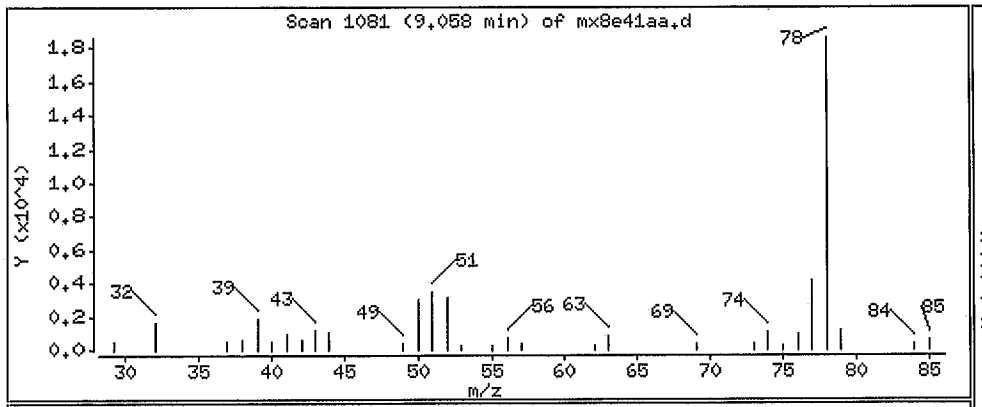
Client ID: 828076-SS-003B6-02 Instrument: mg.i

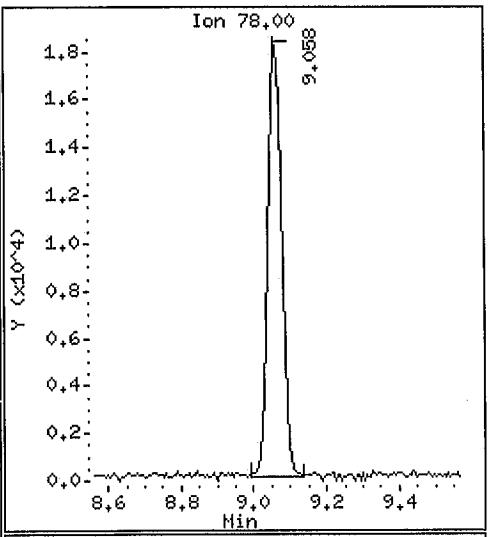
Sample Info: ,20,0,,,

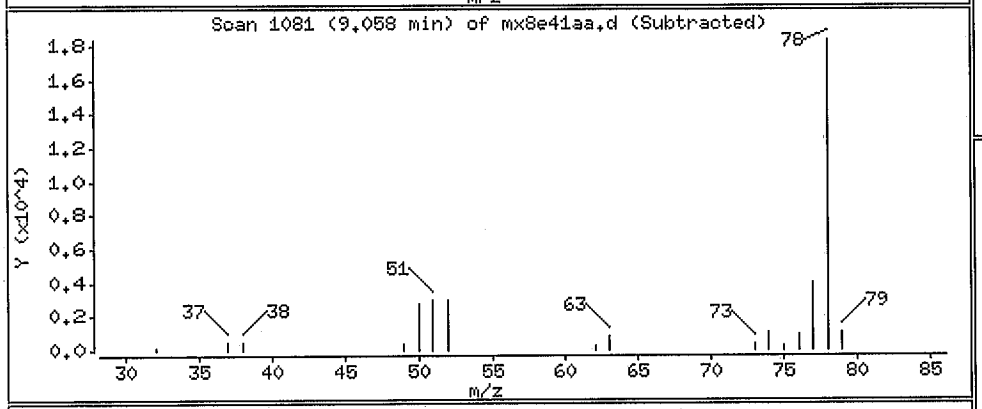
Purge Volume: 500.0 Operator: 403648

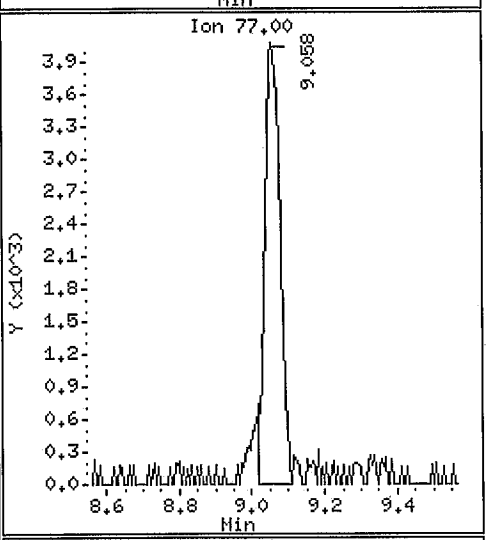
Column phase: Rtx-5 Column diameter: 0.32

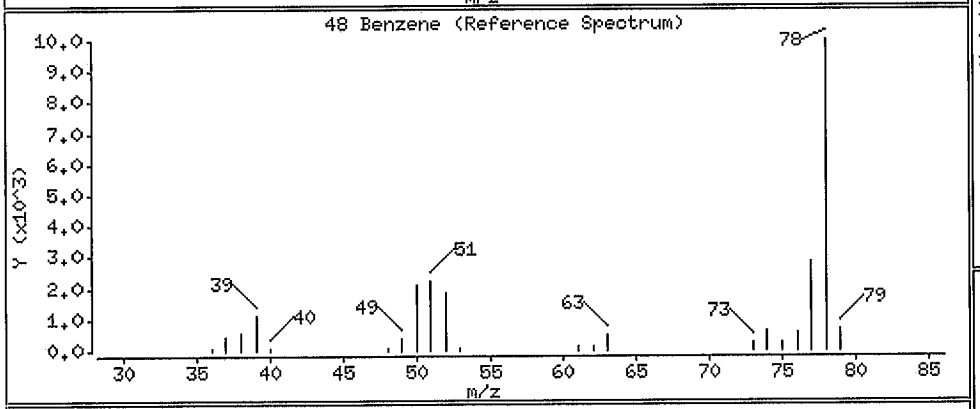
48 Benzene Concentration: 2.087 ppb(v/v)

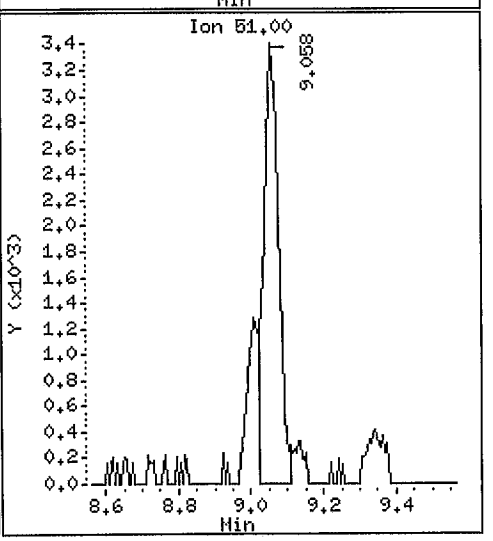


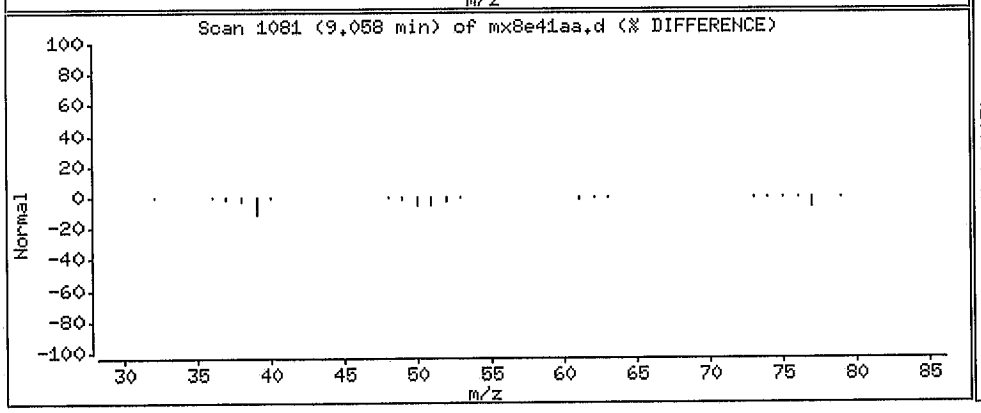












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

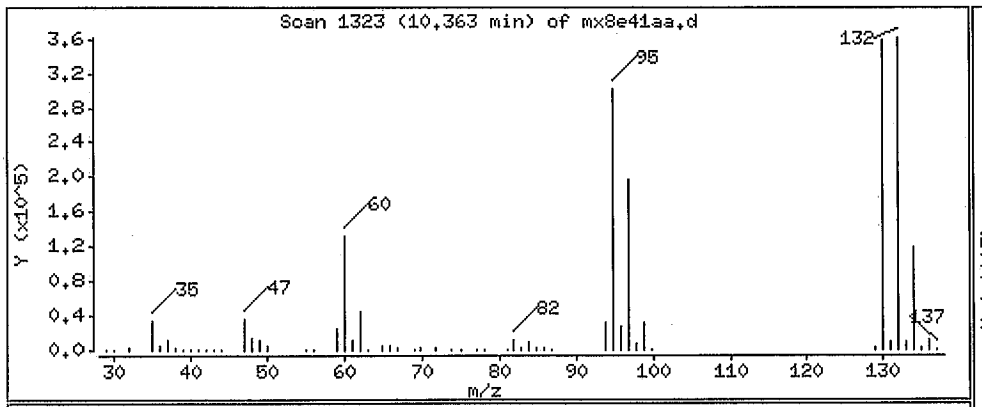
Client ID: 828076-SS-003B6-02 Instrument: mg.i

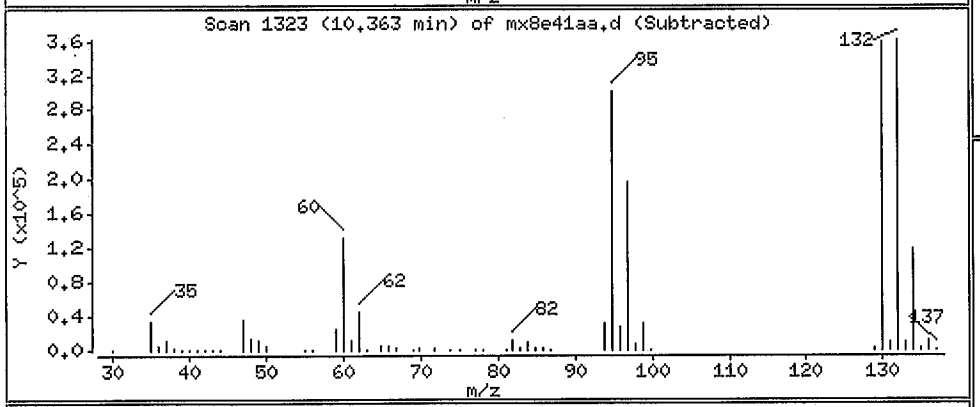
Sample Info: ,20,0,,,

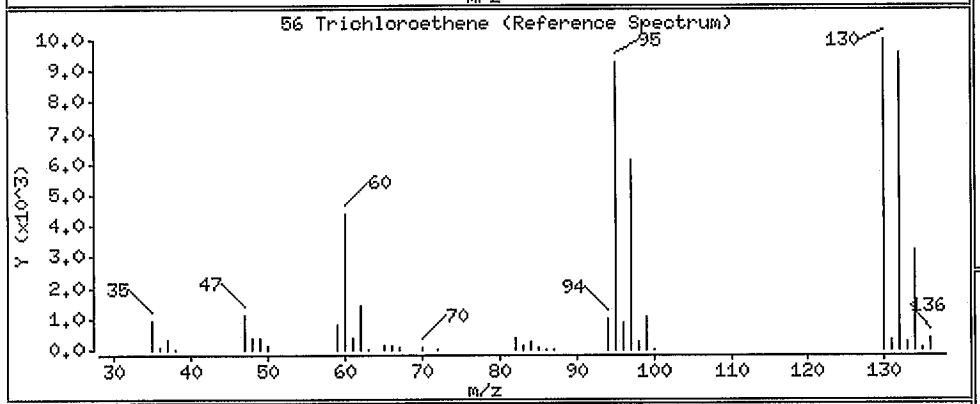
Purge Volume: 500.0 Operator: 403648

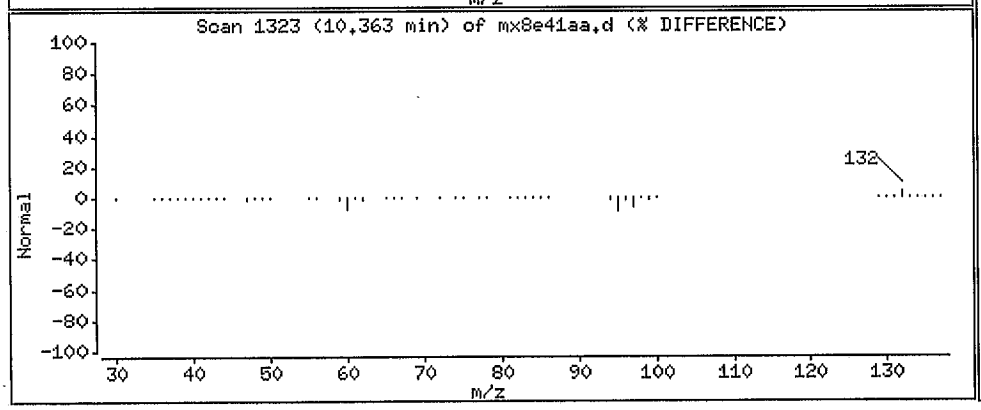
Column phase: Rtx-5 Column diameter: 0.32

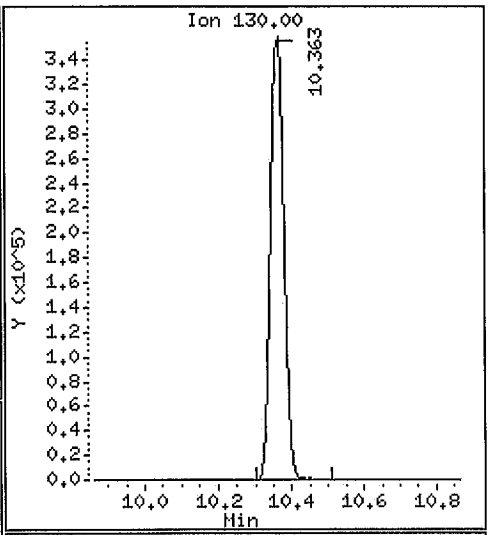
56 Trichloroethene Concentration: 71.70 ppb(v/v)

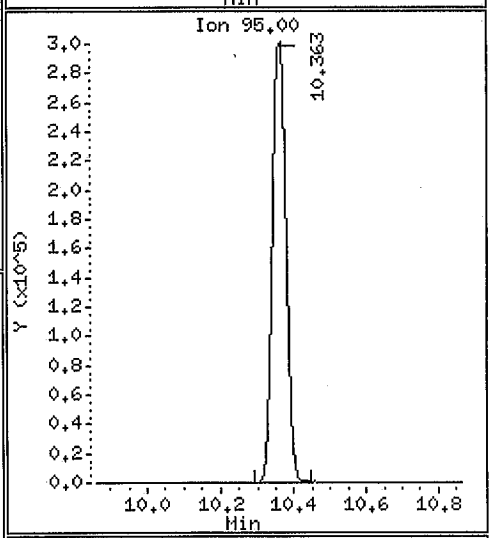


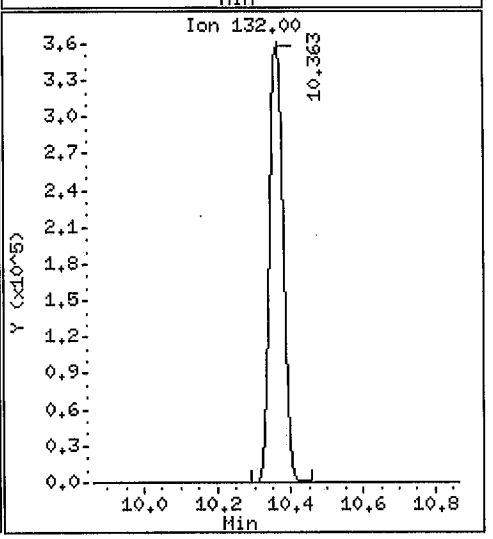












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

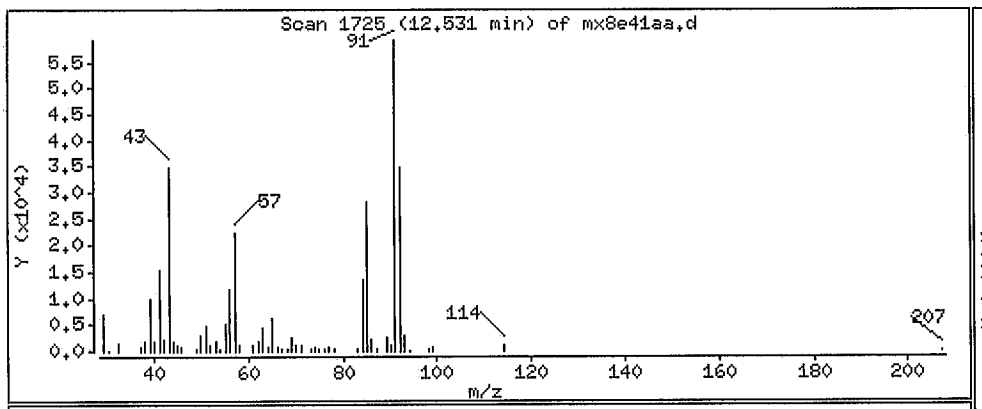
Client ID: 828076-SS-003B6-02 Instrument: mg.i

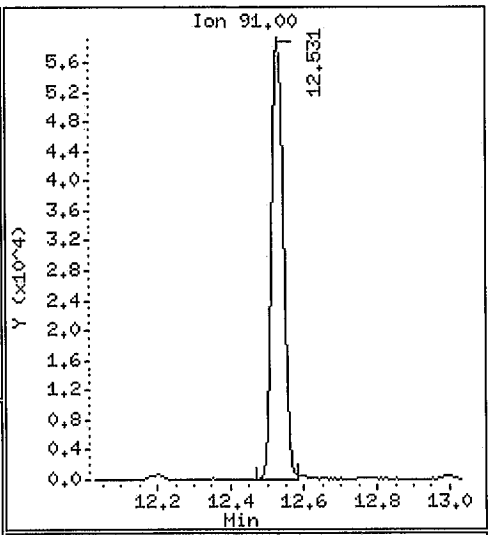
Sample Info: ,20,0,,,

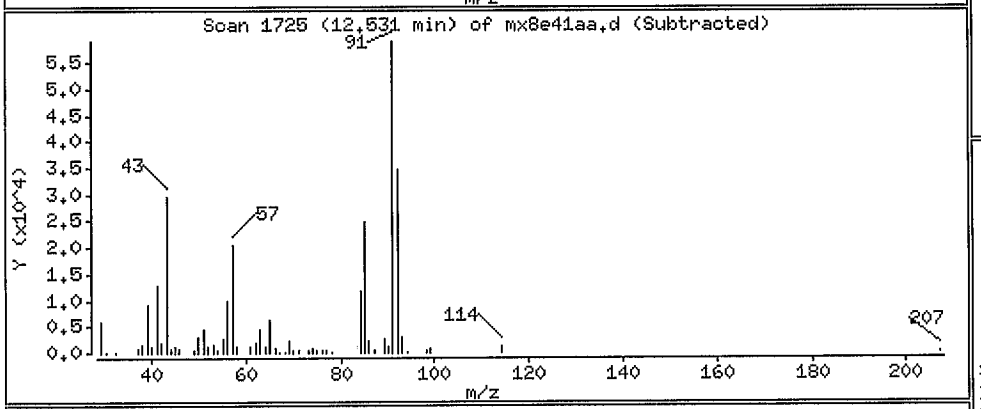
Purge Volume: 500.0 Operator: 403648

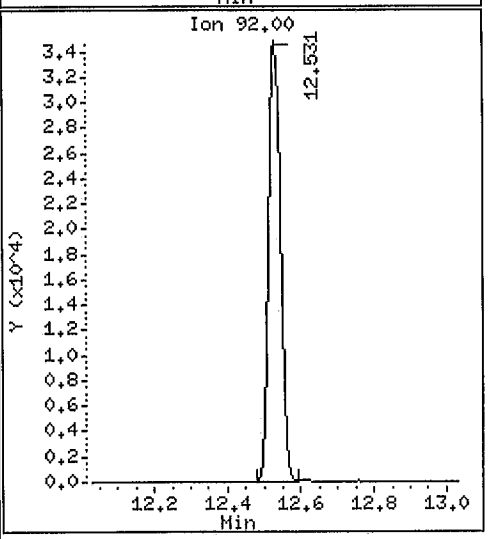
Column phase: Rtx-5 Column diameter: 0.32

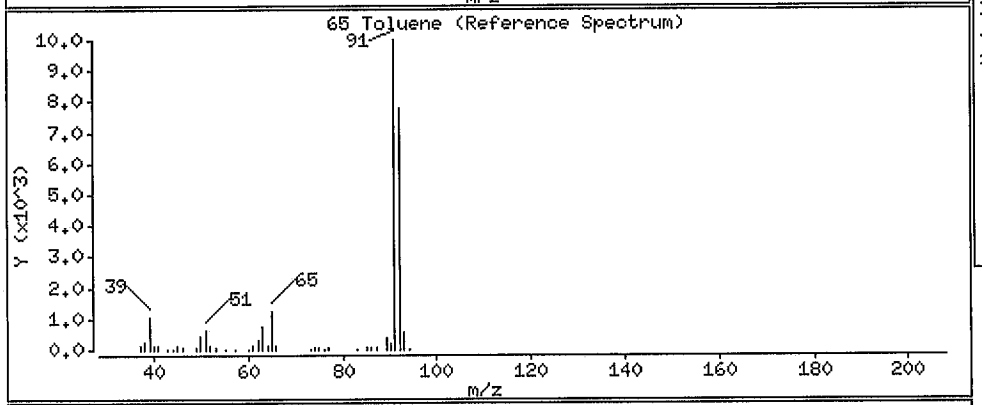
65 Toluene Concentration: 4.575 ppb(v/v)

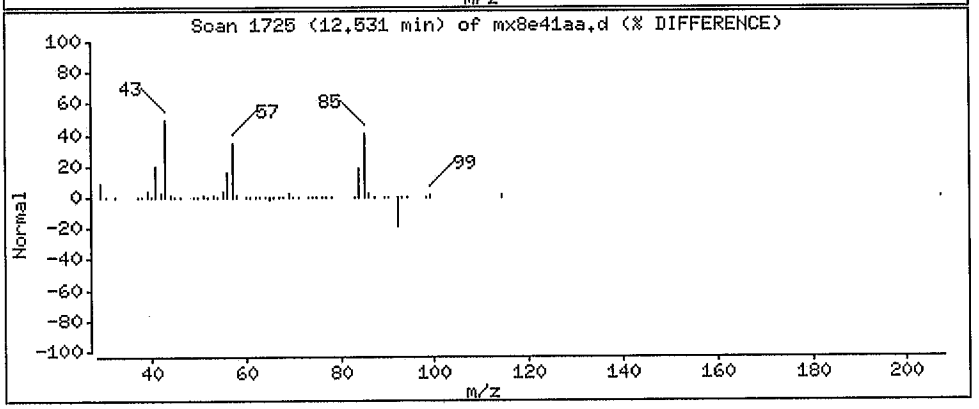












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

Client ID: 828076-SS-003B6-02

Instrument: mg.i

Sample Info: ,20,0,,,

Purge Volume: 500.0

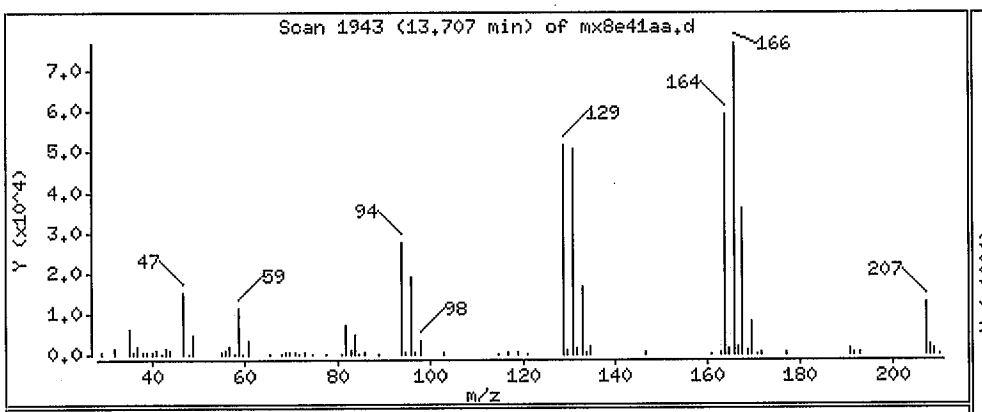
Operator: 403648

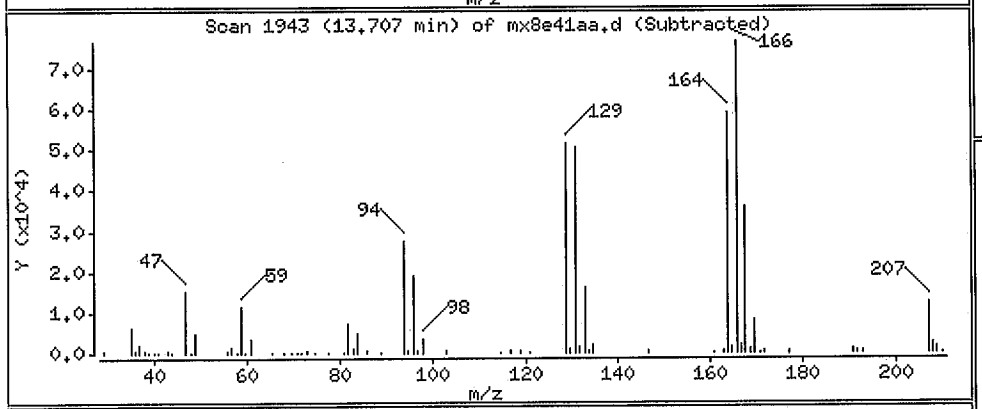
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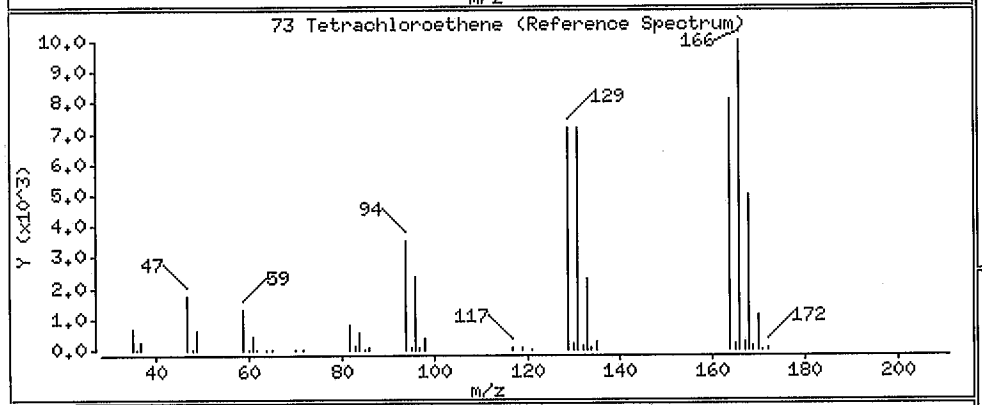
Column diameter: 0.32

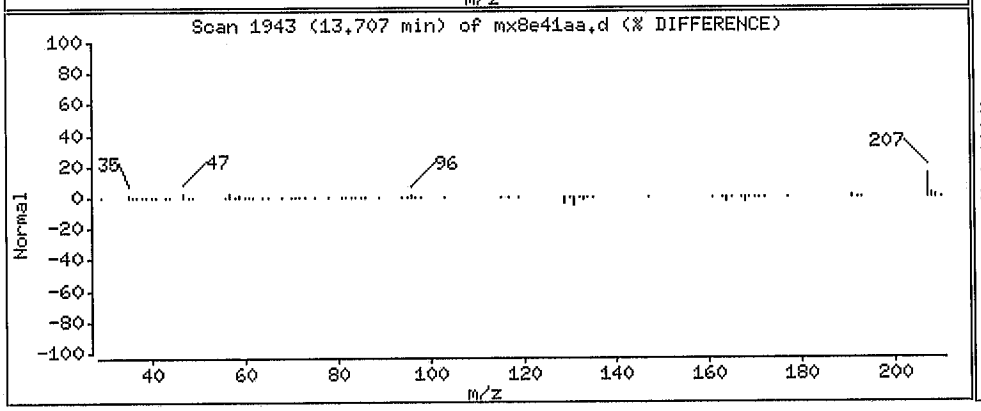
73 Tetrachloroethene

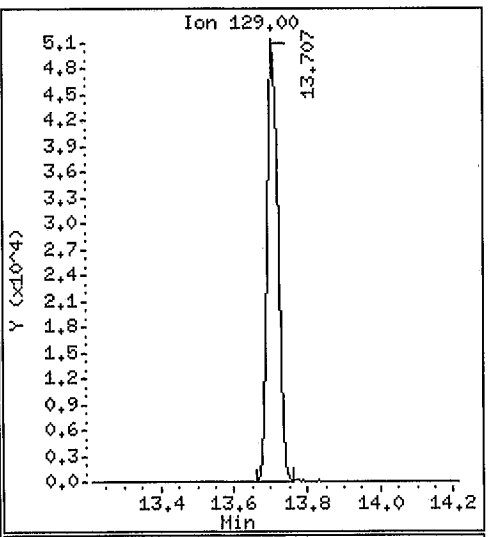
Concentration: 9.456 ppb(v/v)

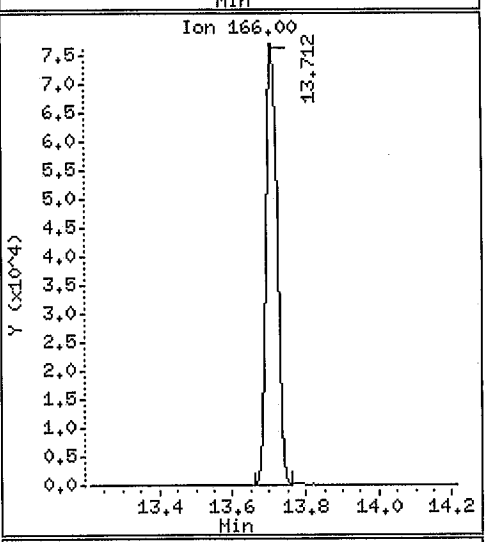


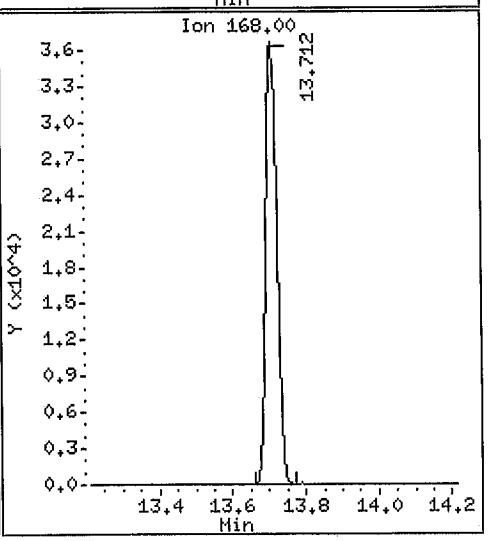












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e41aa.d

Date : 03-MAR-2013 02:07

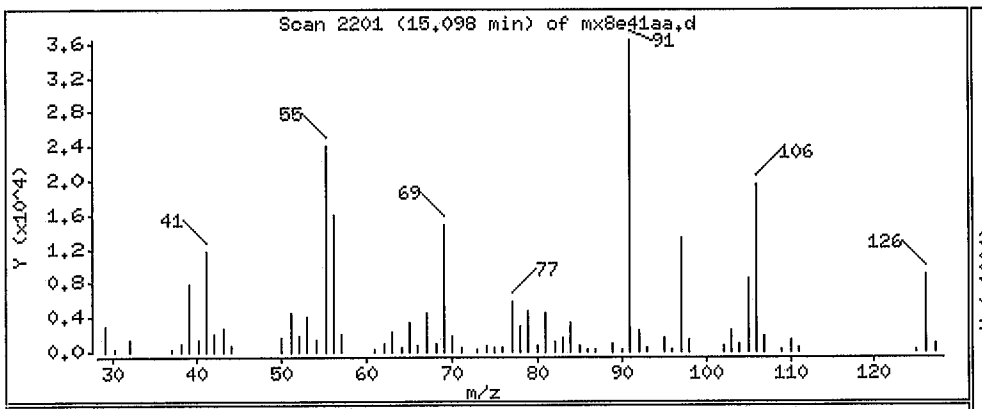
Client ID: 828076-SS-003B6-02 Instrument: mg.i

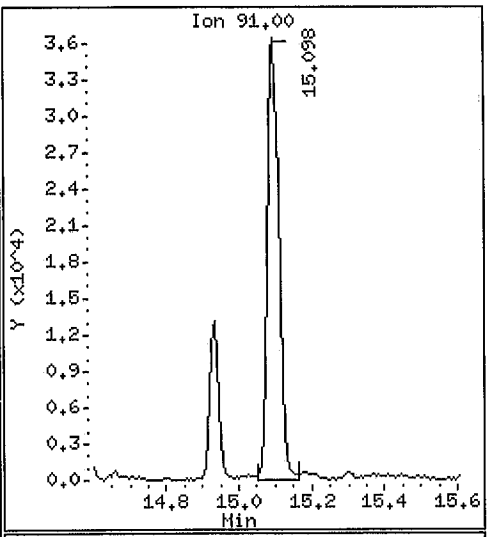
Sample Info: ,20,0,,,

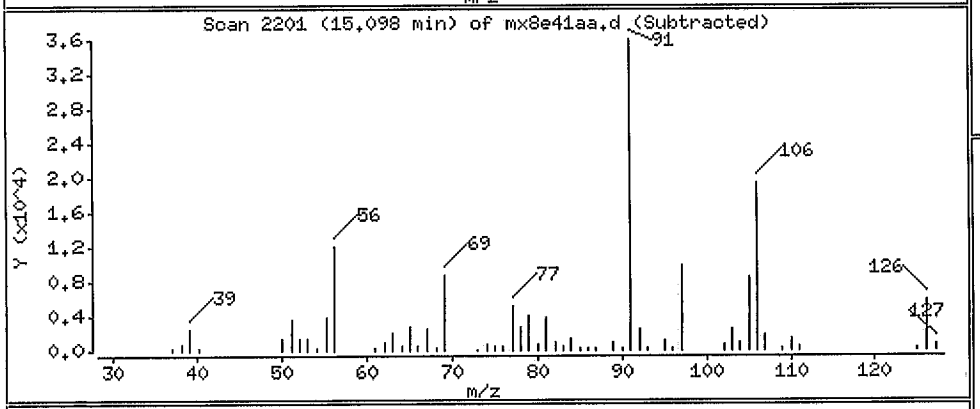
Purge Volume: 500.0 Operator: 403648

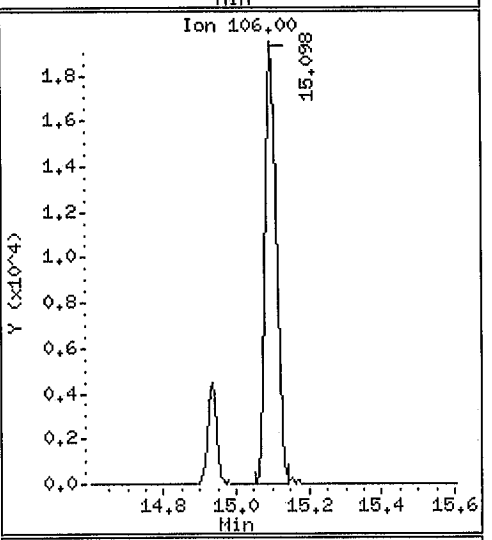
Column phase: Rtx-5 Column diameter: 0.32

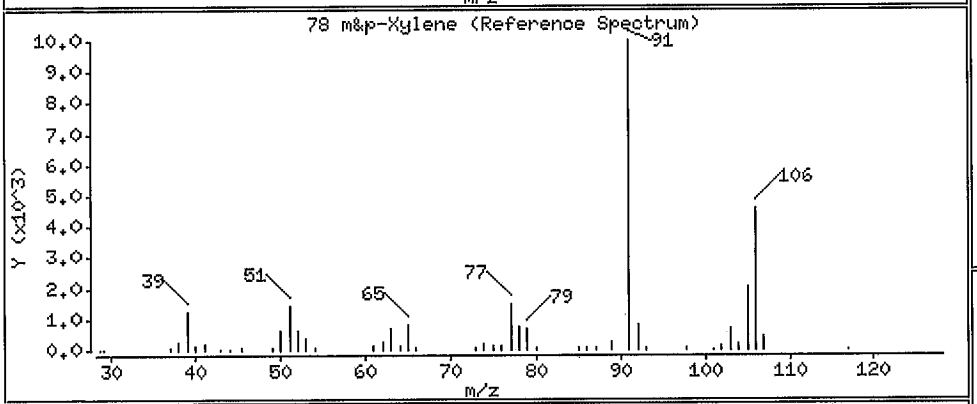
78 m&p-Xylene Concentration: 3.005 ppb(v/v)

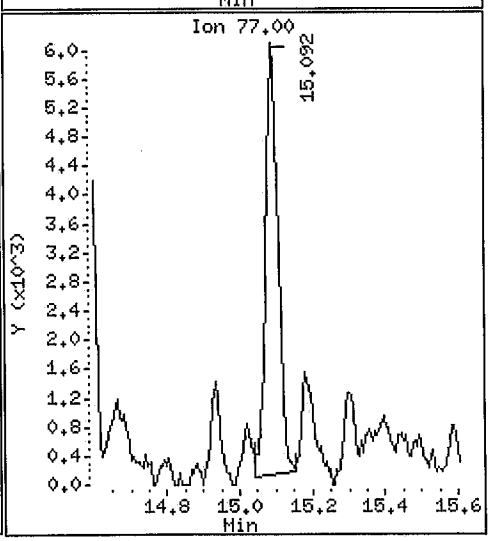


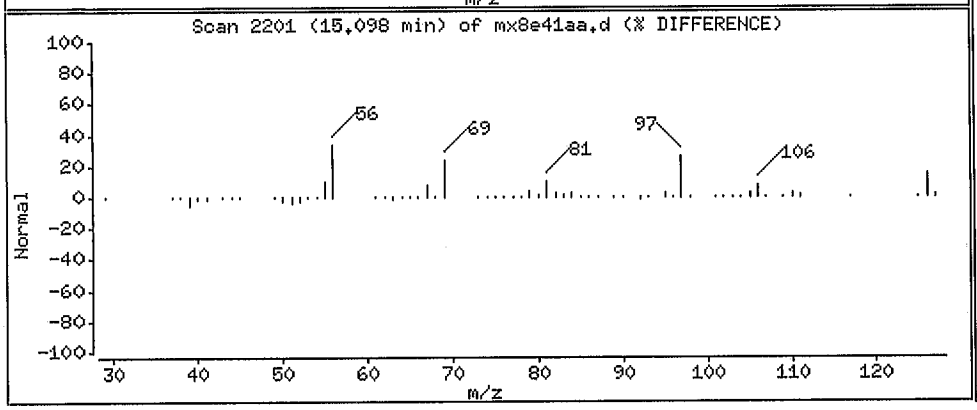












New York State D.E.C.

Client Sample ID: 828076-IA-003B7-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 022 **Work Order #** MX8E51AA **Matrix.....:** AIR

Date Sampled...: 02/22/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.11**	**0.080**	**0.53**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.18**	**0.080**	**0.58**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.083**	**0.040**	**0.52**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.50**	**0.20**	**1.0**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.44**	**0.080**	**2.2**	**0.40**
Ethanol	**29**	**0.80**	**55**	**1.5**
Ethylbenzene	**0.084**	**0.080**	**0.36**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B7-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 022 **Work Order #** MX8E51AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	**0.21**	**0.20**	**0.86**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.60**	**0.20**	**2.1**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.60**	**0.080**	**2.3**	**0.30**
m-Xylene & p-Xylene	**0.22**	**0.080**	**0.95**	**0.35**
o-Xylene	**0.083**	**0.080**	**0.36**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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/mr.i/R022813.b/mx8e51aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d
Lab Smp Id: MX8E51AA Client Smp ID: 828076-IA-003B7-01
Inj Date : 01-MAR-2013 06:53
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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))	CONCENTRATIONS FINAL (ppb(v/v))	
* 1 Bromochloromethane	128	9.088	9.088	(1.000)	355730	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	1791935	4.00000	4.000	
* 3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1353616	4.00000	4.000	
$ 4 4-Bromofluorobenzene	95	20.213	20.224	(1.156)	976983	4.12249	4.122	
7 Dichlorodifluoromethane	85	4.241	4.241	(0.467)	161601	0.43595	0.4359	
8 Chloromethane	52	4.419	4.419	(0.486)	22581	0.49835	0.4984	
20 Trichlorofluoromethane	101	5.681	5.675	(0.625)	79466	0.22065	0.2206	
31 Methylene Chloride	84	6.667	6.656	(0.734)	76921	0.60014	0.6001	
33 Carbon Disulfide	76	6.829	6.824	(0.751)	5575	0.01362	0.01362	NJ
39 2-Butanone	72	8.361	8.344	(0.920)	16158	0.22623	0.2262	
44 Tetrahydrofuran	42	9.525	9.498	(1.048)	13098	0.08144	0.08144	NJ
48 Benzene	78	10.706	10.706	(0.950)	82721	0.18237	0.1824	
50 Carbon Tetrachloride	117	10.744	10.738	(0.953)	19487	0.08317	0.08317	
54 Heptane	71	11.963	11.968	(1.061)	16228	0.10196	0.1020	NJ
62 4-Methyl-2-pentanone	43	13.489	13.478	(1.197)	66972	0.20916	0.2092	
65 Toluene	91	14.632	14.632	(0.837)	338305	0.60236	0.6024	

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d
Report Date: 01-Mar-2013 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
76 Ethylbenzene	91	18.045	18.067	(1.032)	59003	0.08366	0.08366
78 m&p-Xylene	91	18.309	18.336	(1.048)	118815	0.21823	0.2182
82 o-Xylene	91	19.178	19.194	(1.097)	46843	0.08339	0.08339
89 4-Ethyltoluene	105	21.442	21.453	(1.227)	23878	0.02872	0.02872 NA
94 1,2,4-Trimethylbenzene	105	22.435	22.445	(1.284)	73446	0.10705	0.1070
17 ~ ethanol	31	5.233	5.222	(0.576)	1431453	29.3403	29.34

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8e51aa.d
Lab Smp Id: MX8E51AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B7-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	355730	-18.66
2 1,4-Difluorobenze	2178721	1296339	3061103	1791935	-17.75
3 Chlorobenzene-d5	1632809	971521	2294097	1353616	-17.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.00
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8e51aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

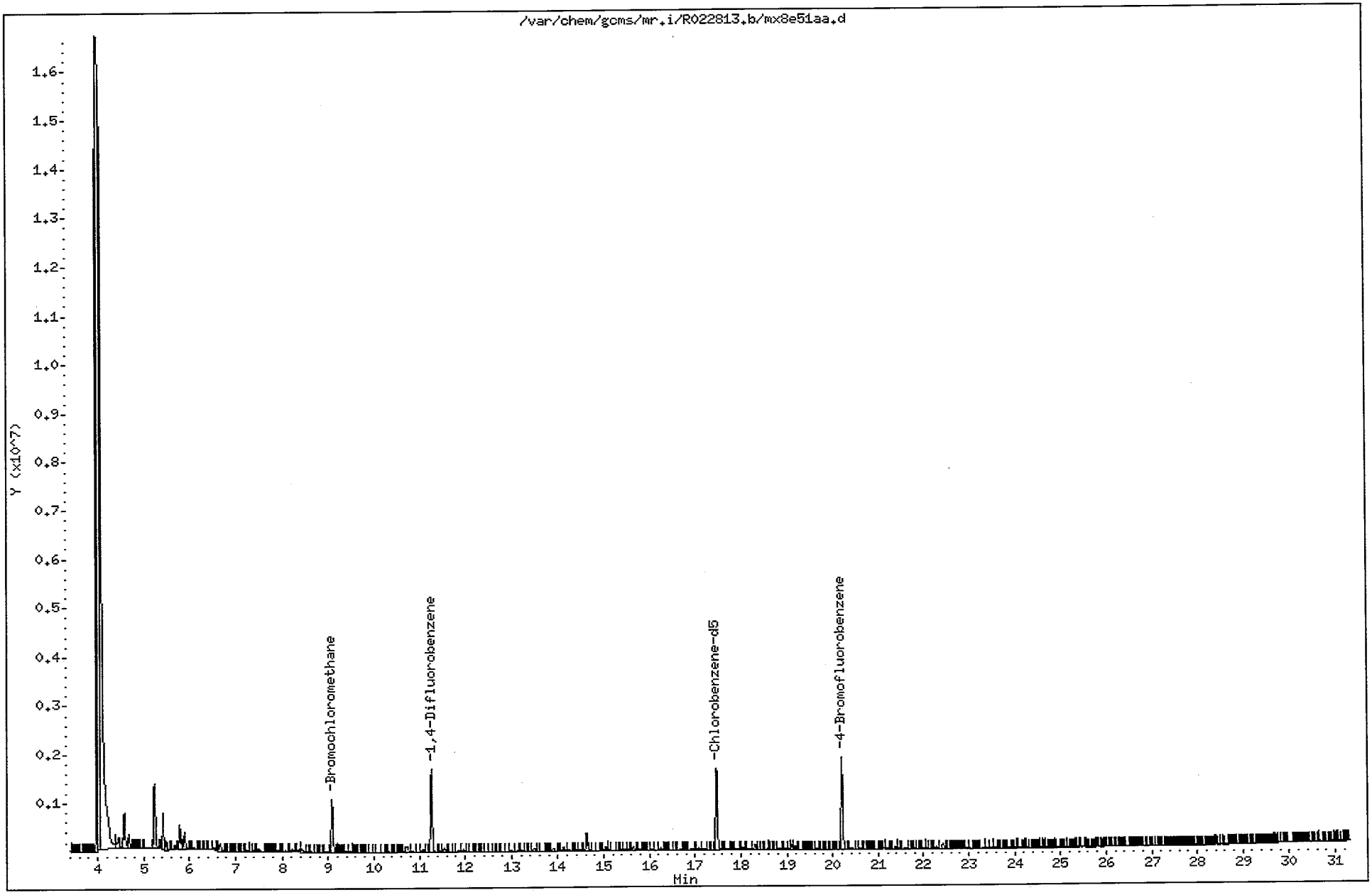
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E51AA Client Smp ID: 828076-IA-003B7-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.122	103.06	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d
Date : 01-MAR-2013 06:53
Client ID: 828076-IA-003B7-01
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

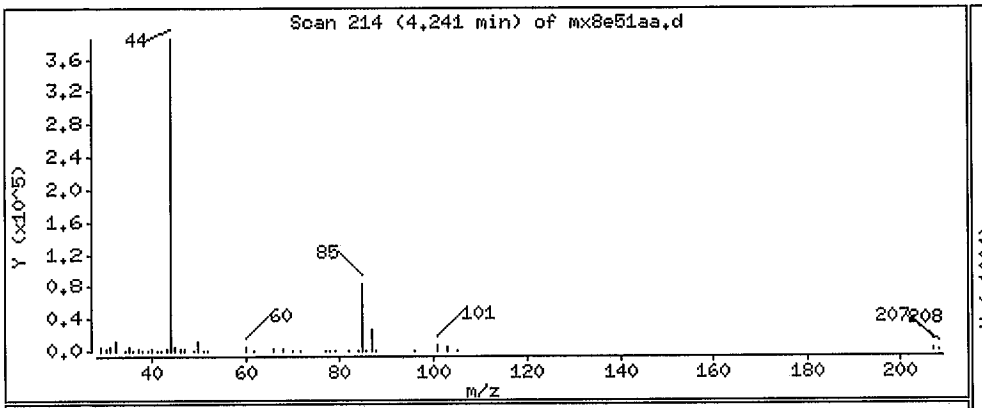
Operator: 403648

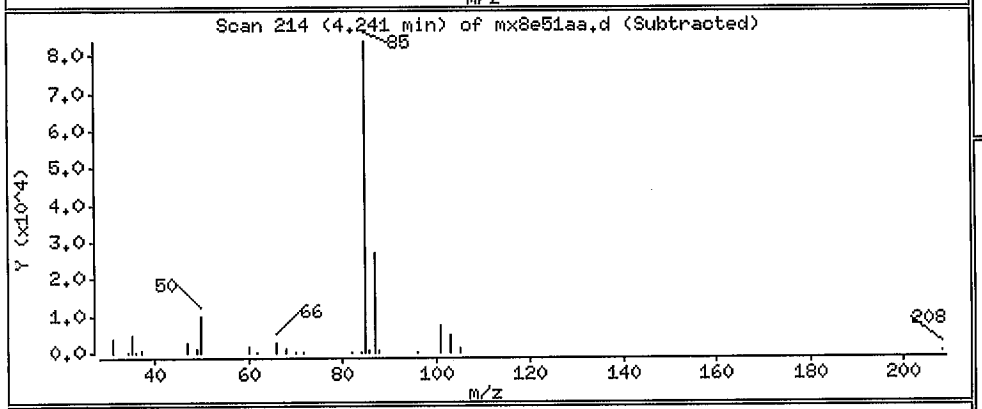
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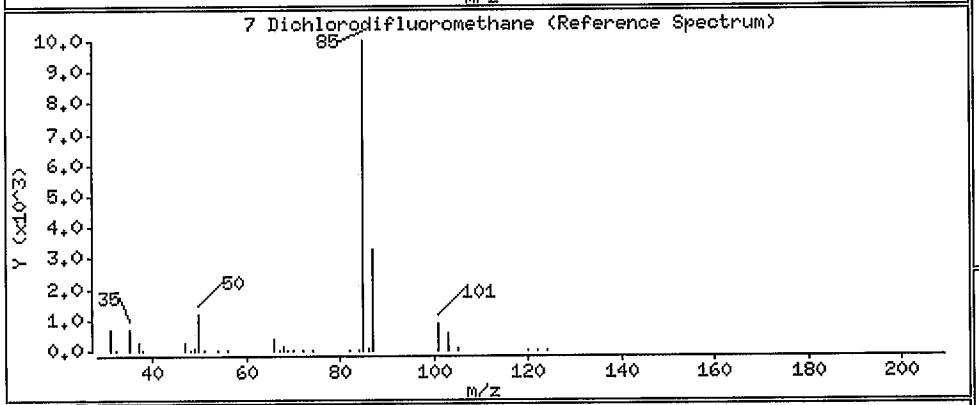
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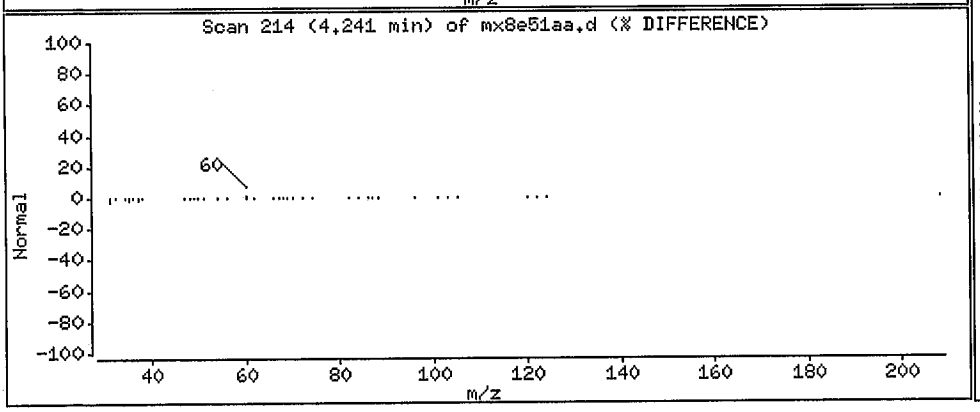
7 Dichlorodifluoromethane

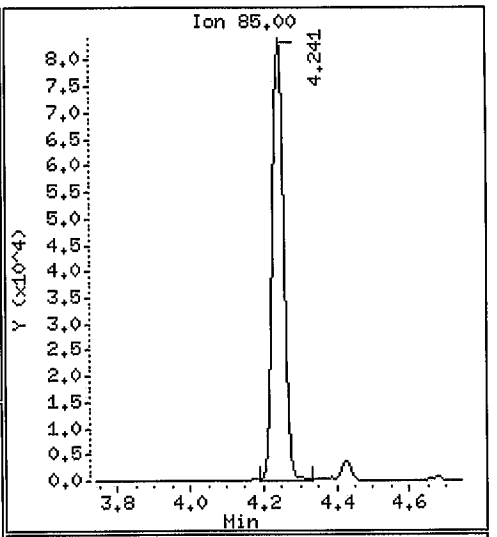
Concentration: 0.4359 ppb(v/v)

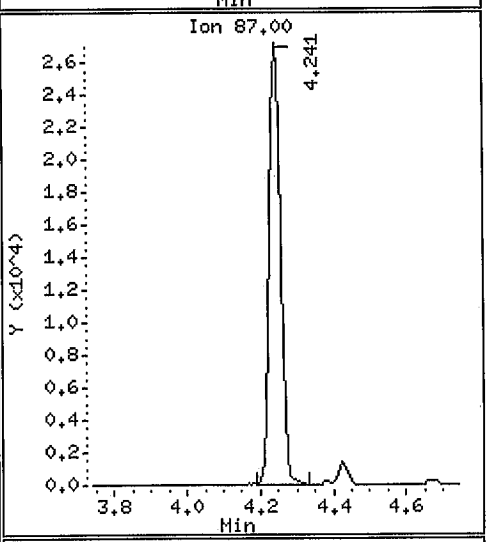


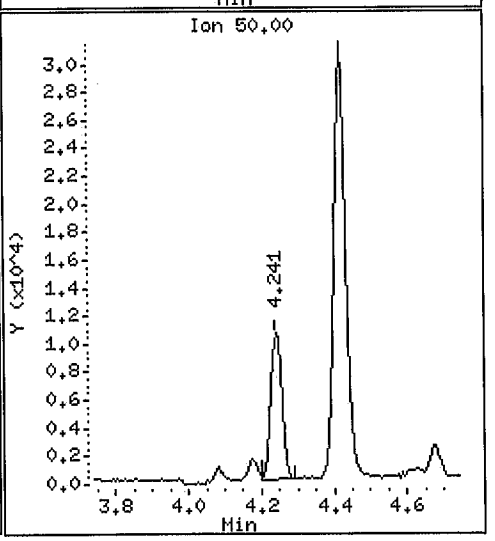












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

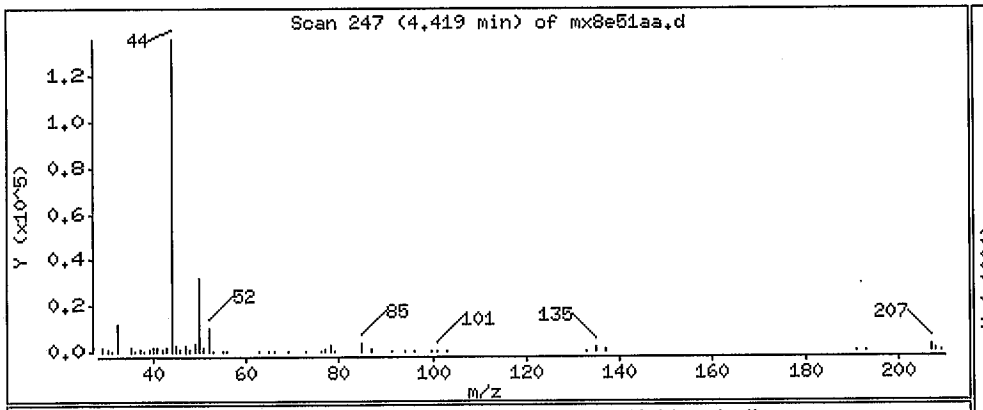
Operator: 403648

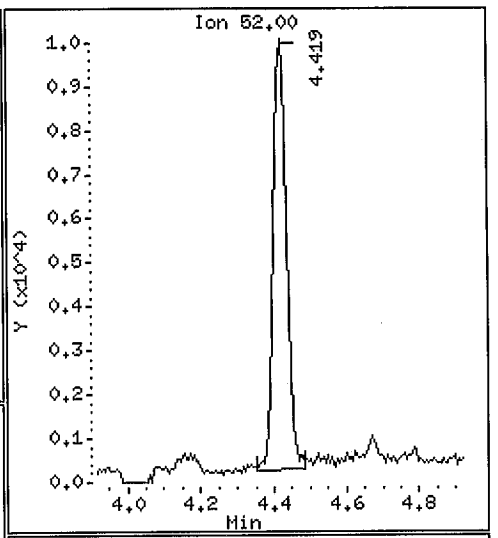
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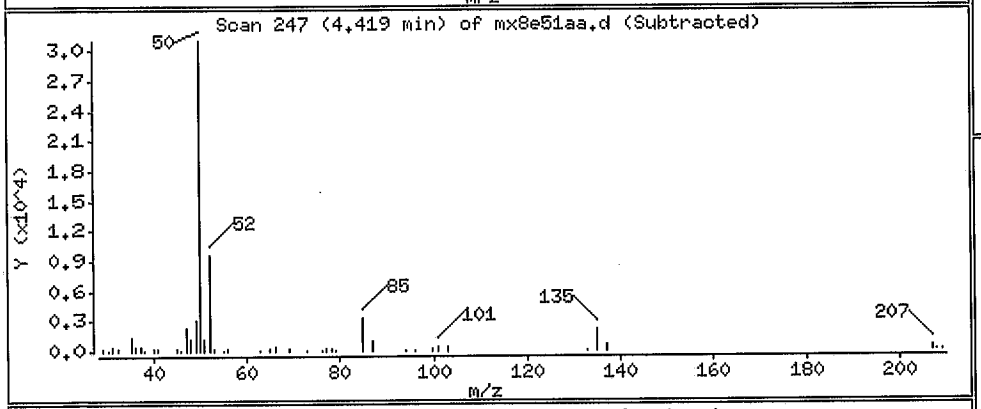
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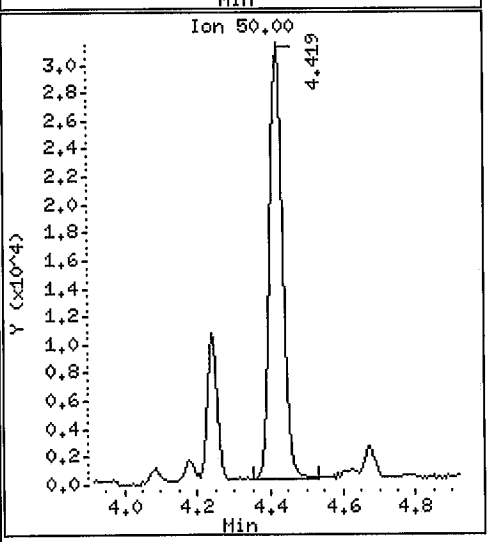
8 Chloromethane

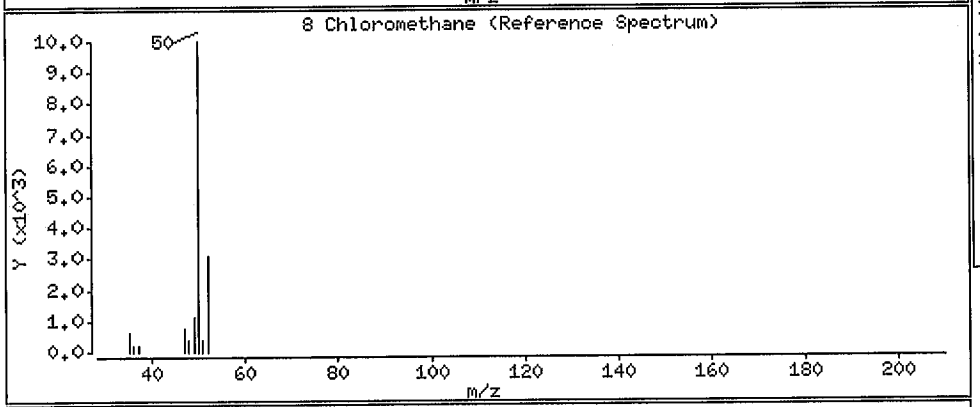
Concentration: 0.4984 ppb(v/v)

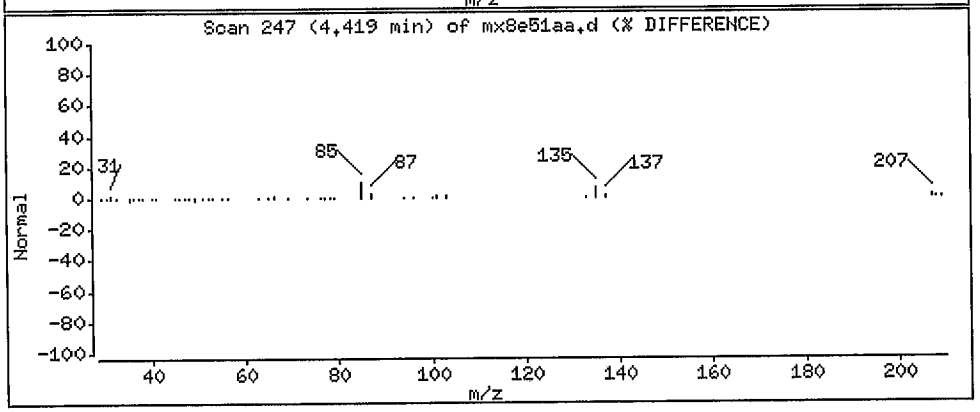












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

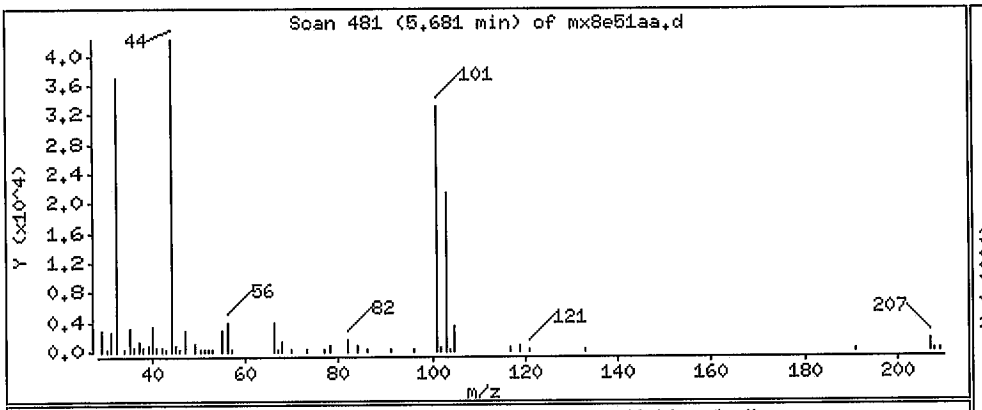
Operator: 403648

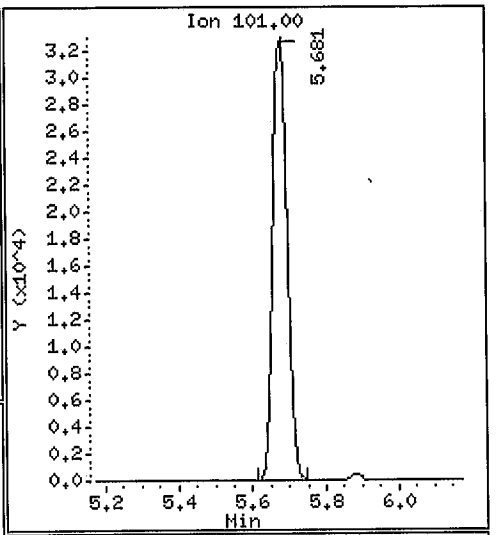
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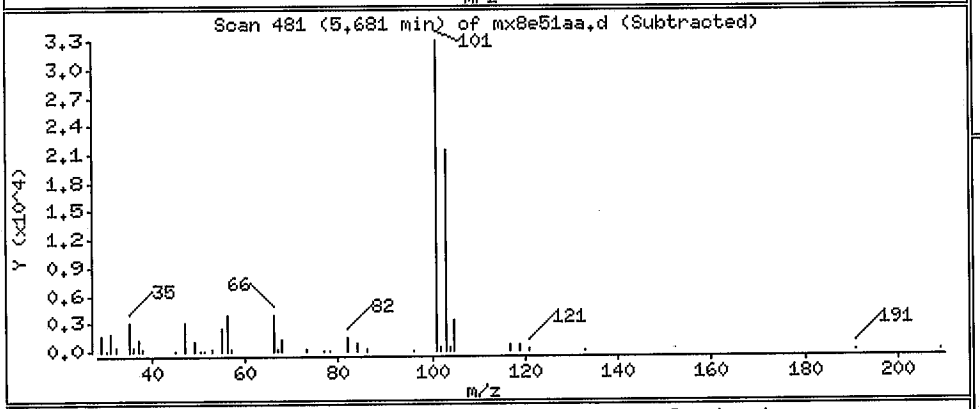
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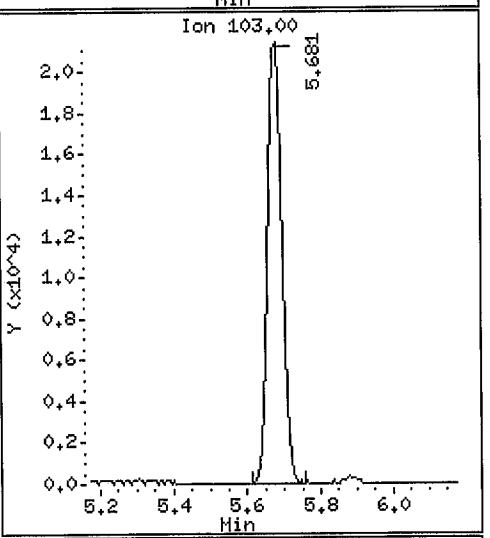
20 Trichlorofluoromethane

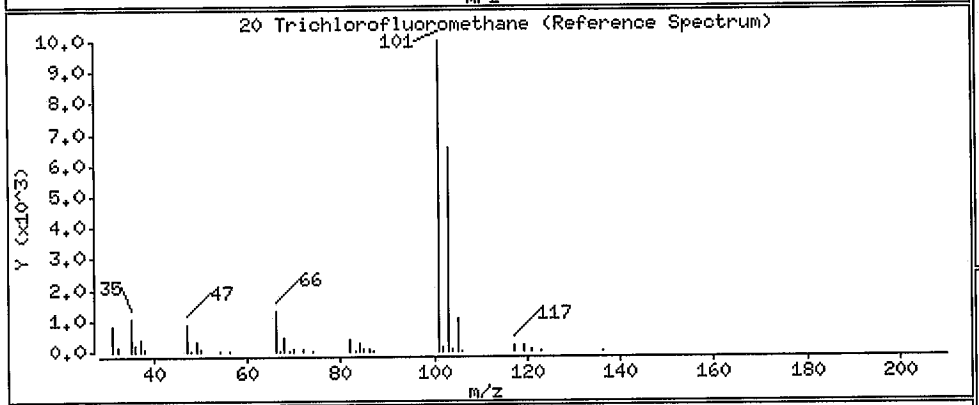
Concentration: 0.2206 ppb(v/v)

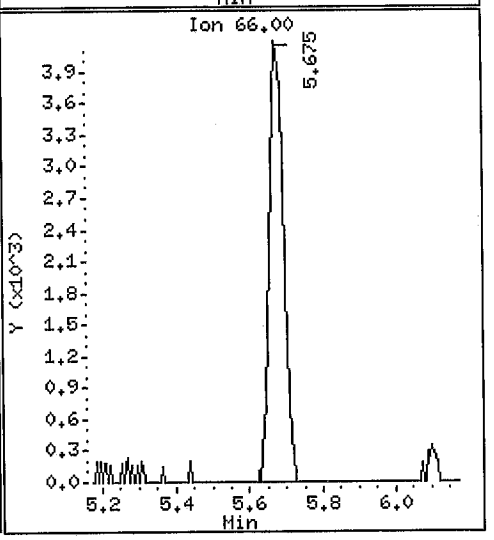


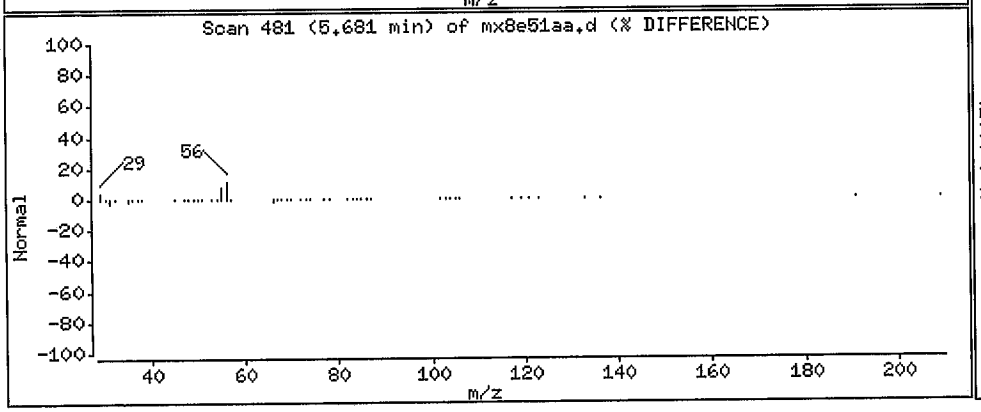












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

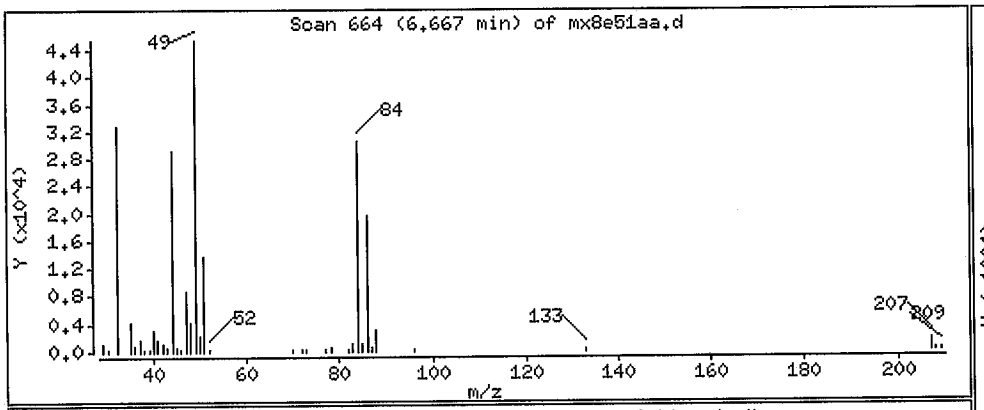
Operator: 403648

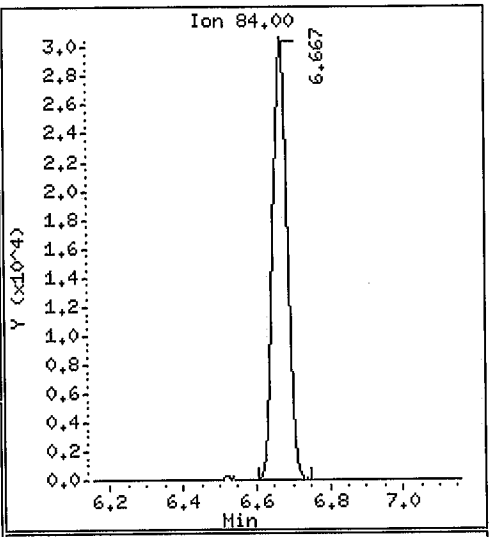
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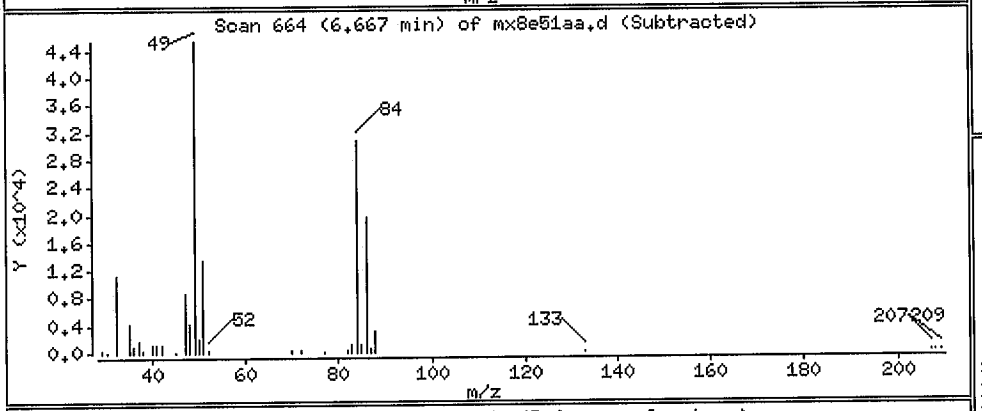
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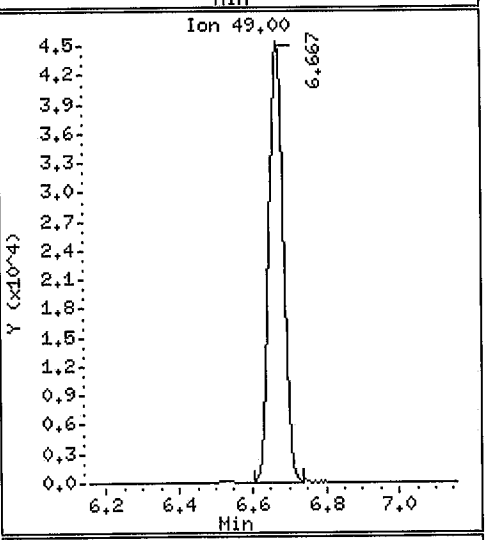
31 Methylene Chloride

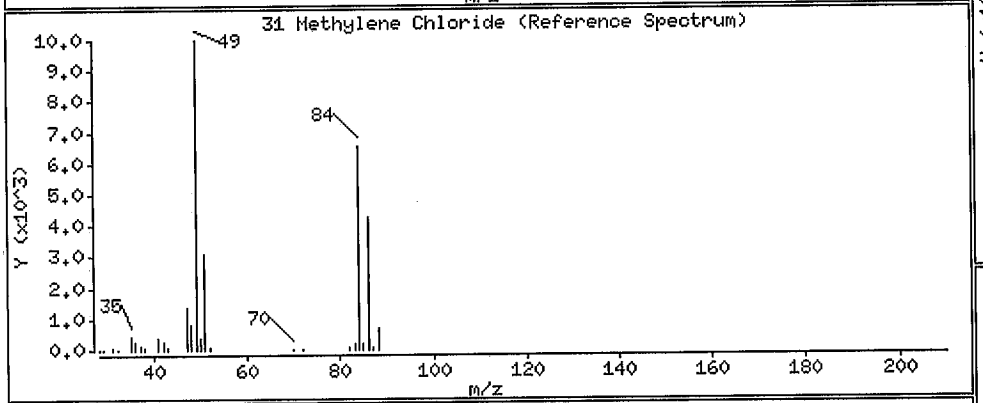
Concentration: 0.6001 ppb(v/v)

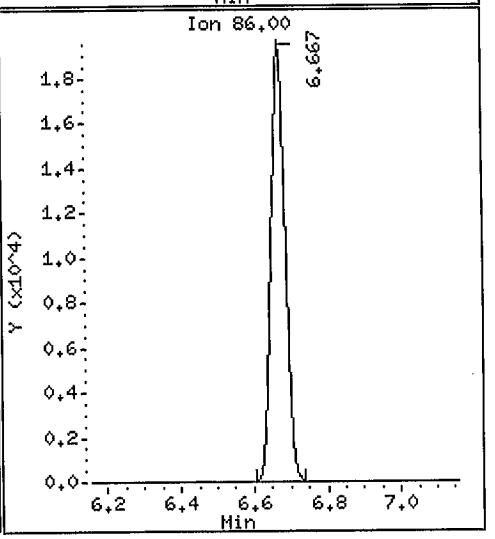


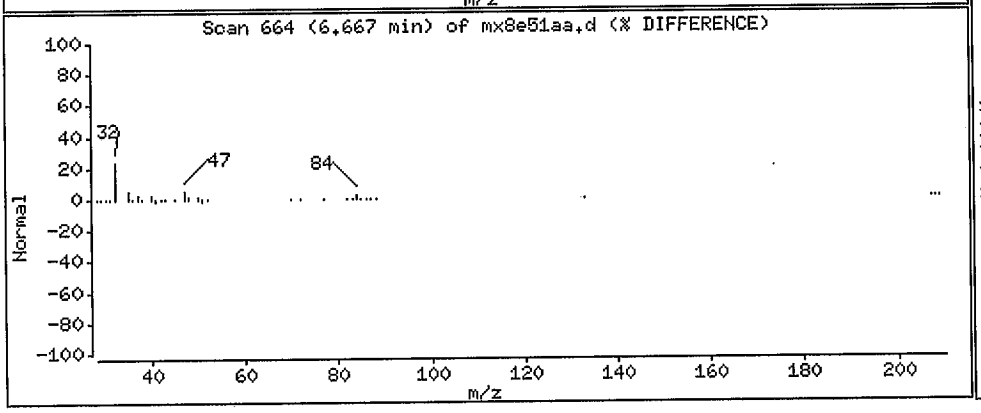












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

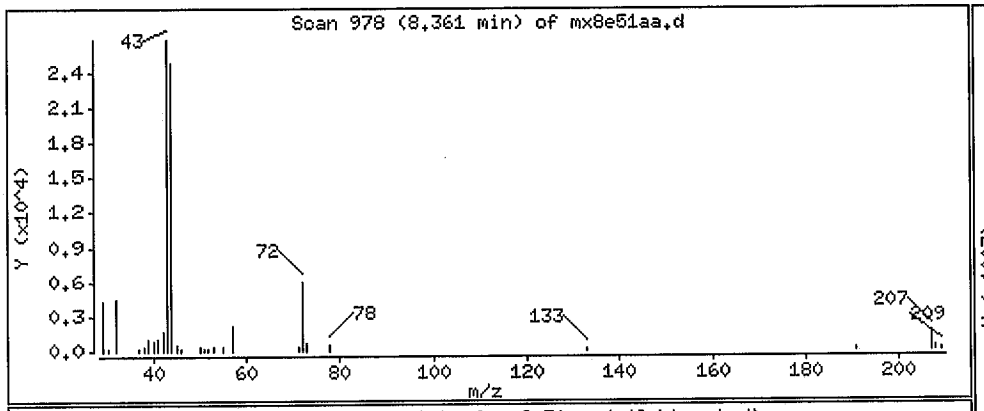
Operator: 403648

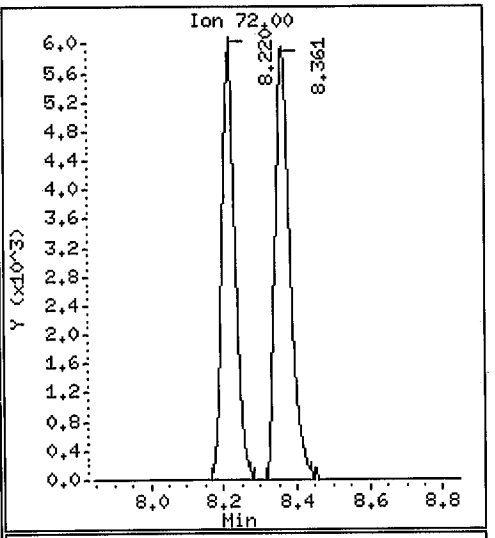
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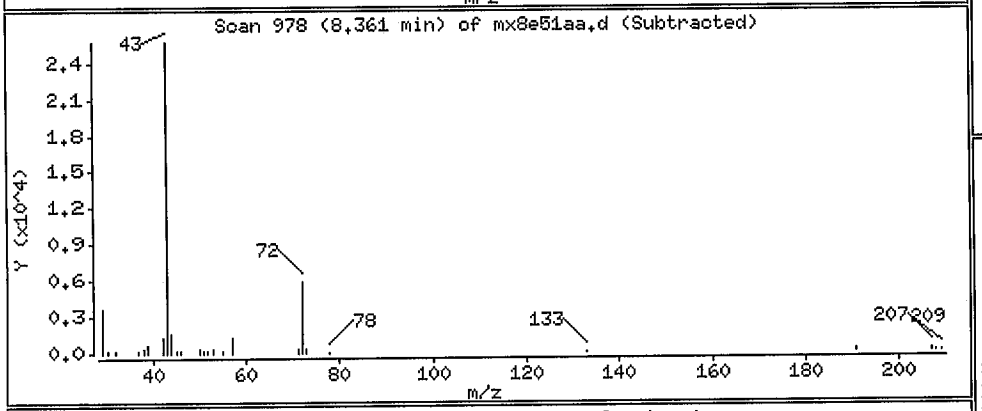
Column diameter: 0.32

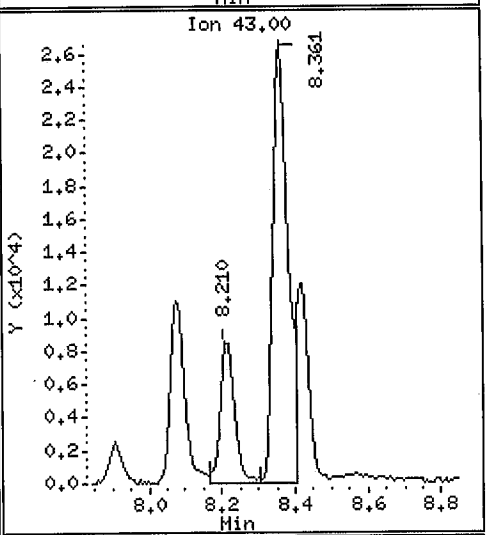
39 2-Butanone

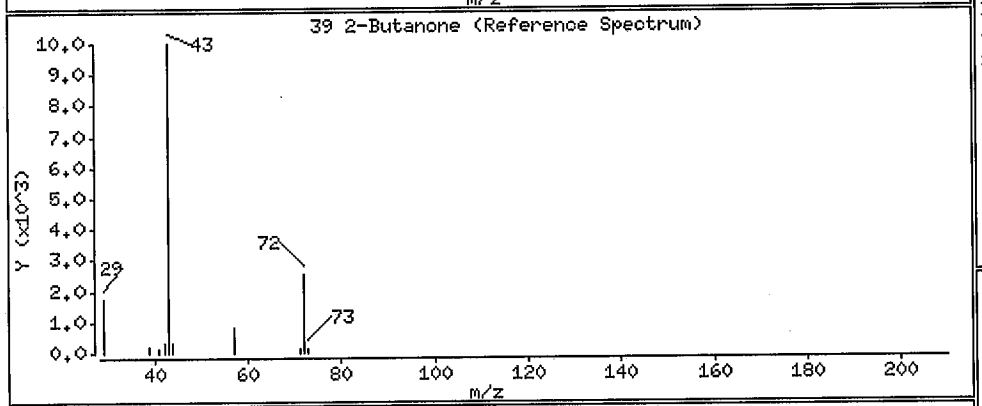
Concentration: 0.2262 ppb(v/v)

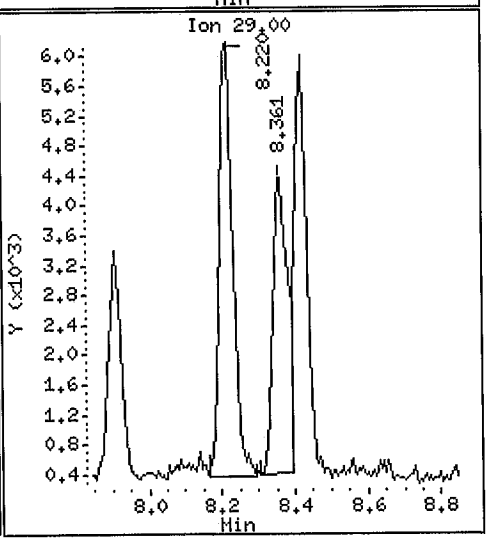


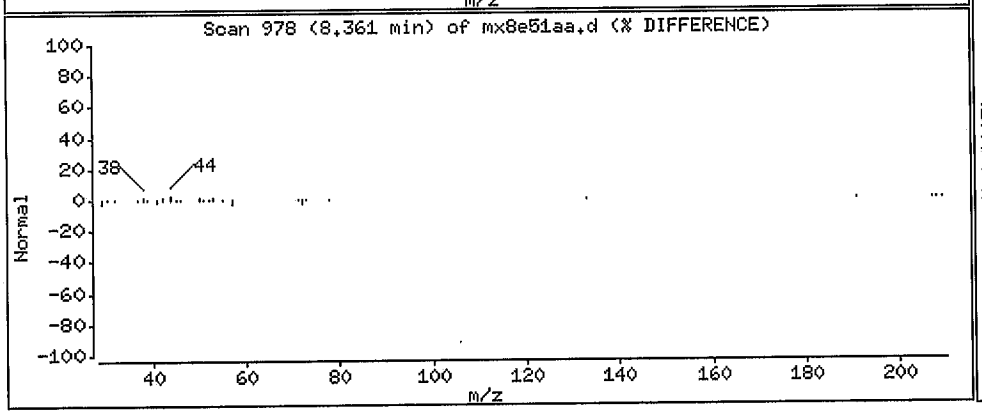












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

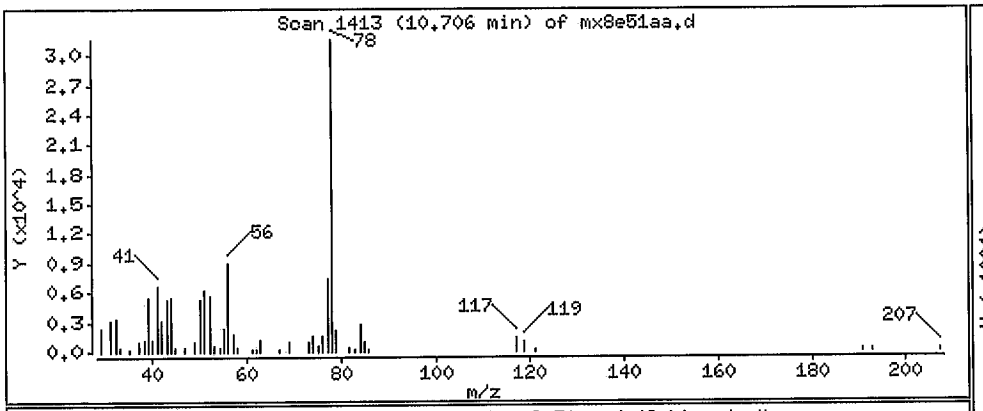
Operator: 403648

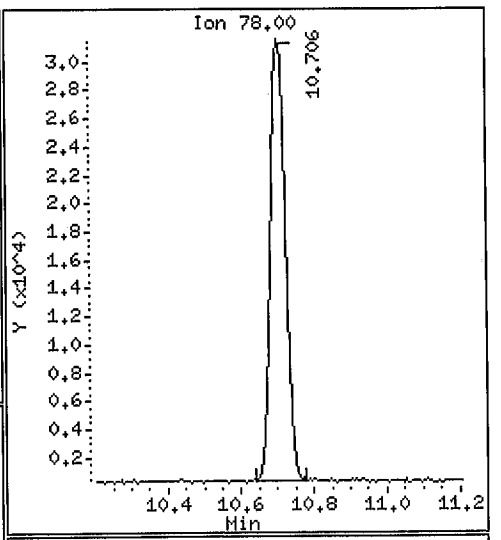
Column phase: Rtx-5

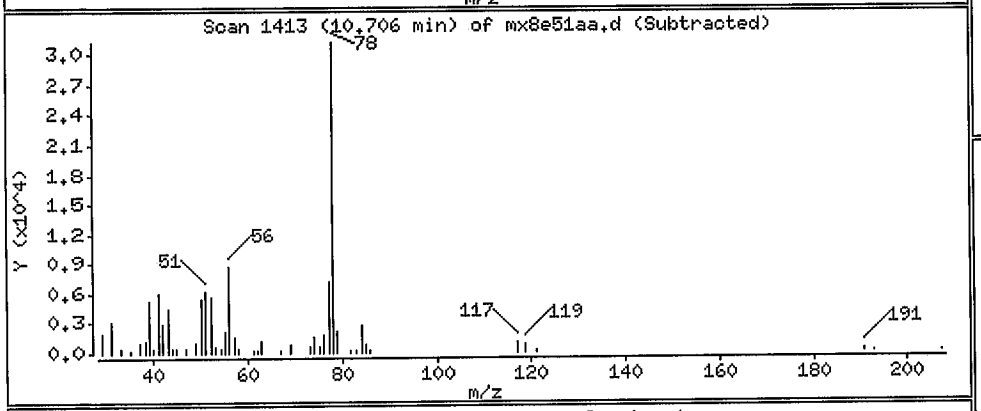
Column diameter: 0.32

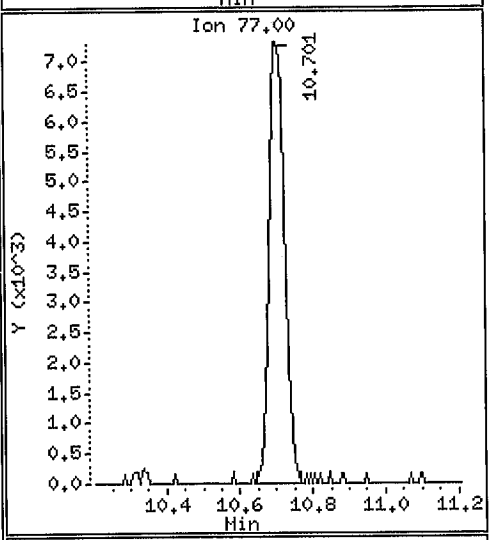
48 Benzene

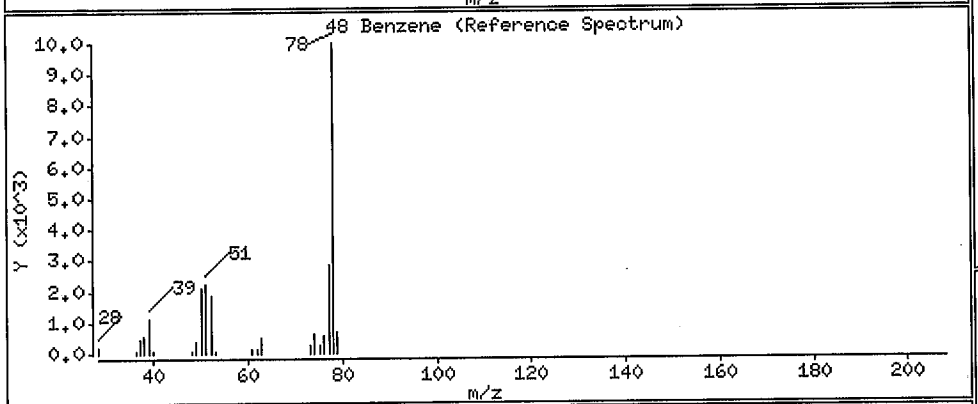
Concentration: 0.1824 ppb(v/v)

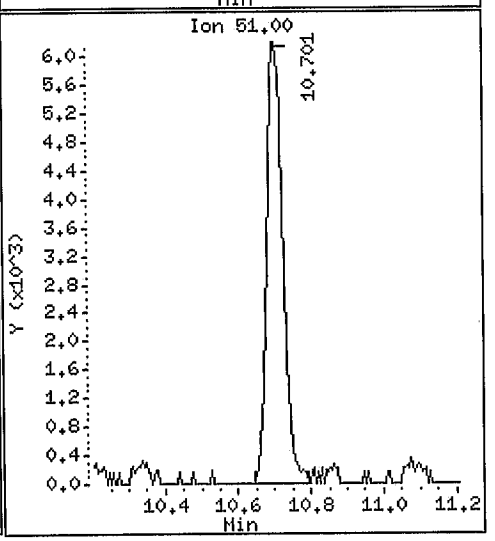


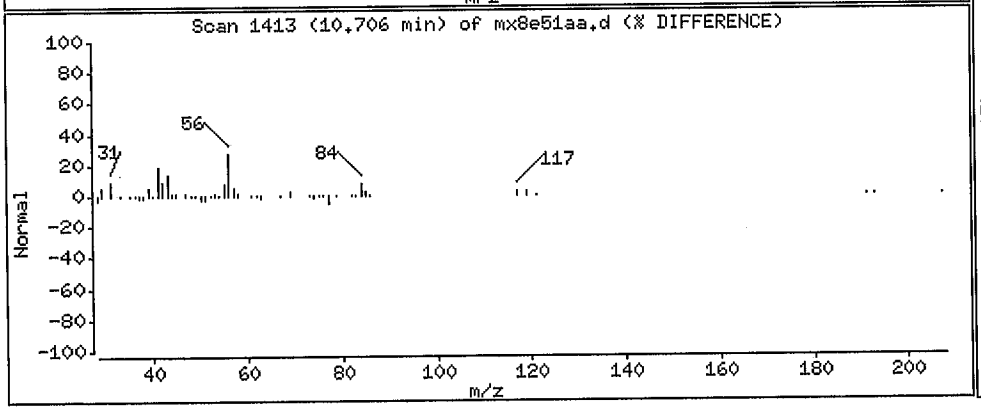












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

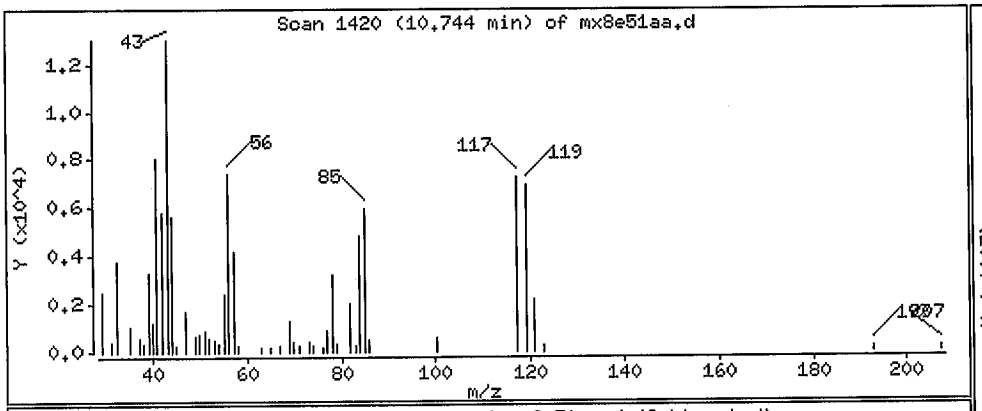
Operator: 403648

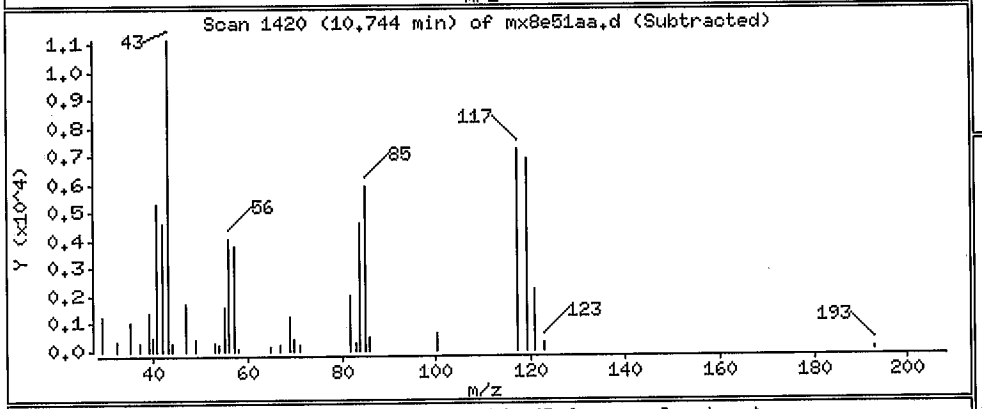
Column phase: Rtx-5

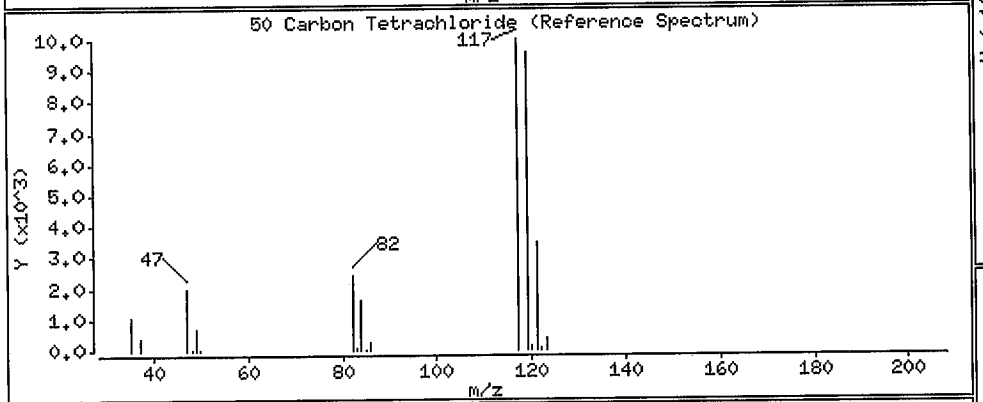
Column diameter: 0.32

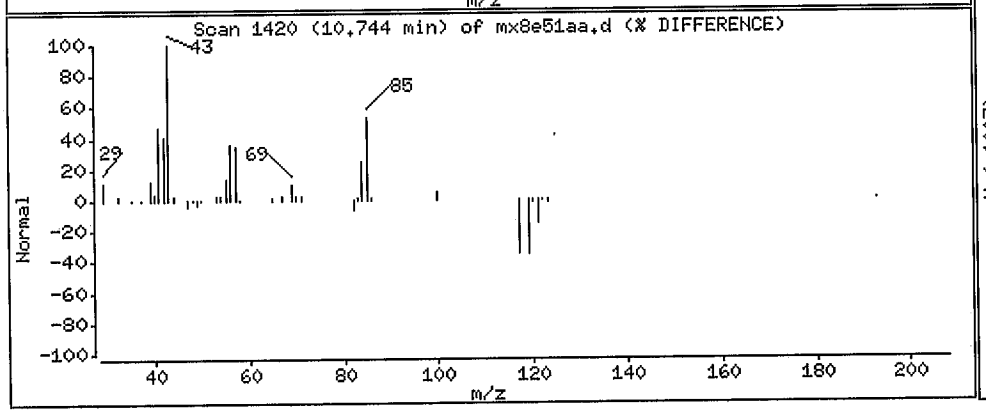
50 Carbon Tetrachloride

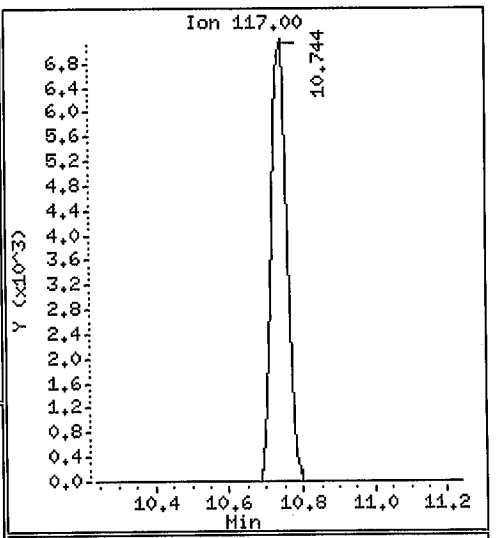
Concentration: 0.08317 ppb(v/v)

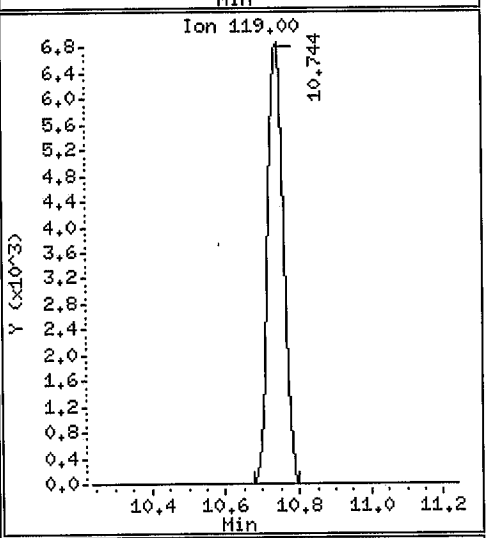


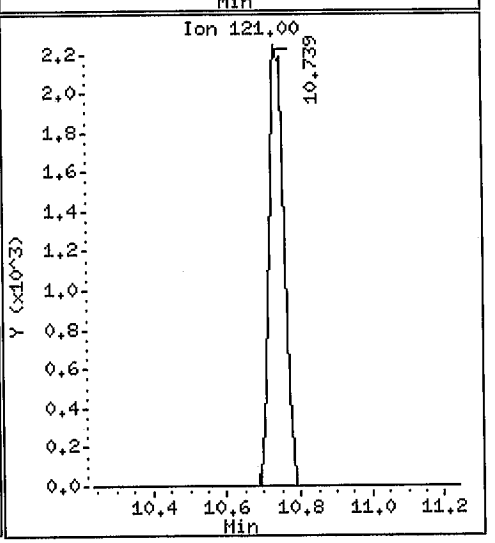












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

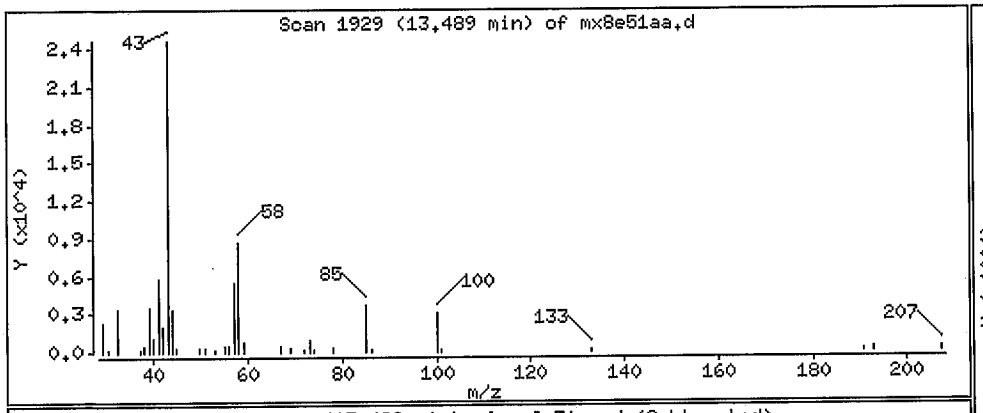
Operator: 403648

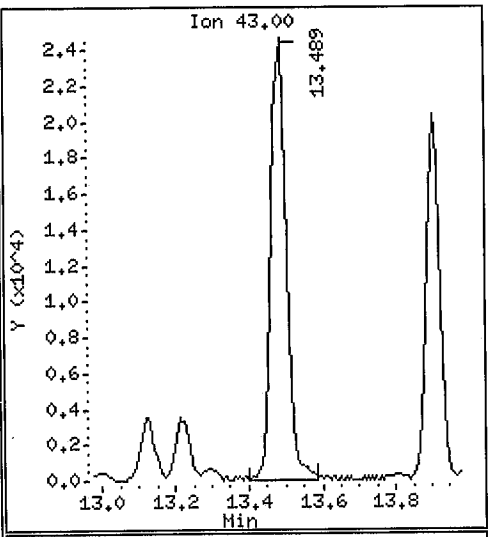
Column phase: Rtx-5

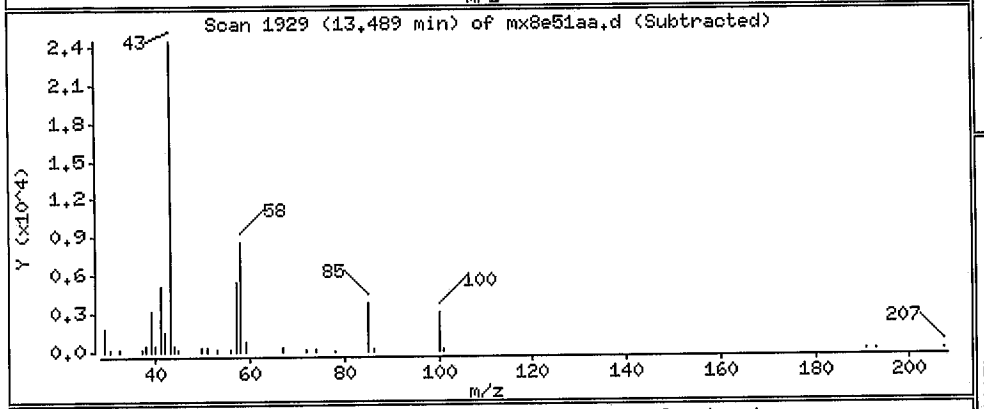
Column diameter: 0.32

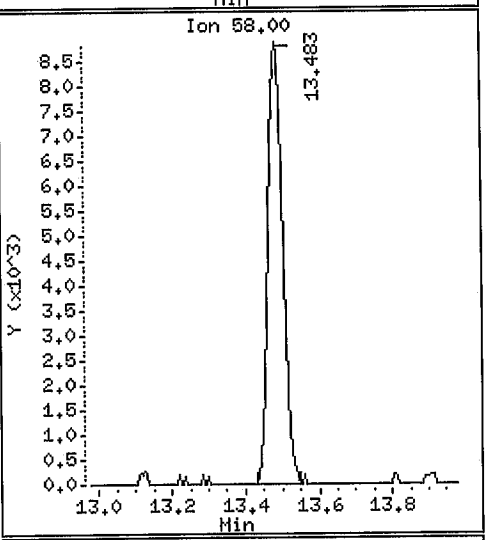
62 4-Methyl-2-pentanone

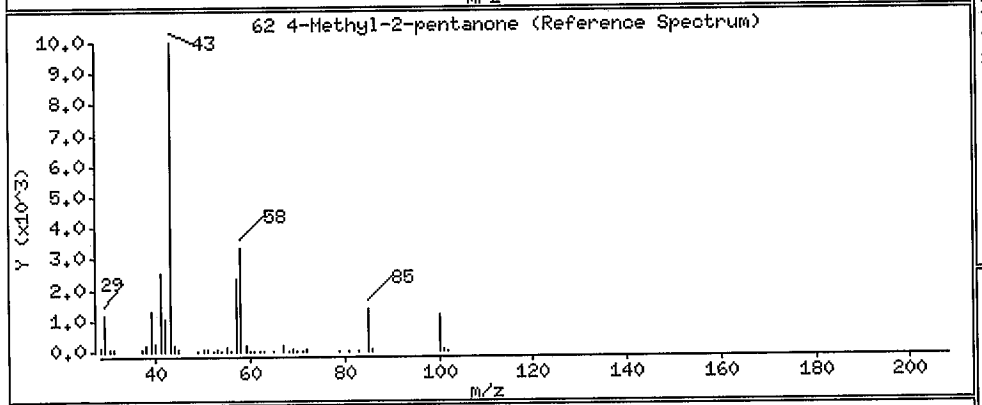
Concentration: 0.2092 ppb(v/v)

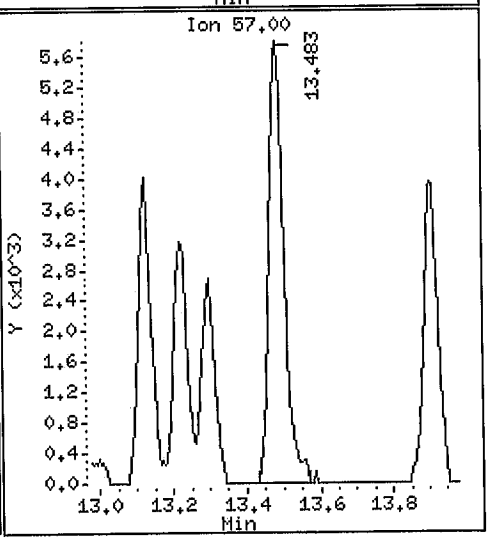


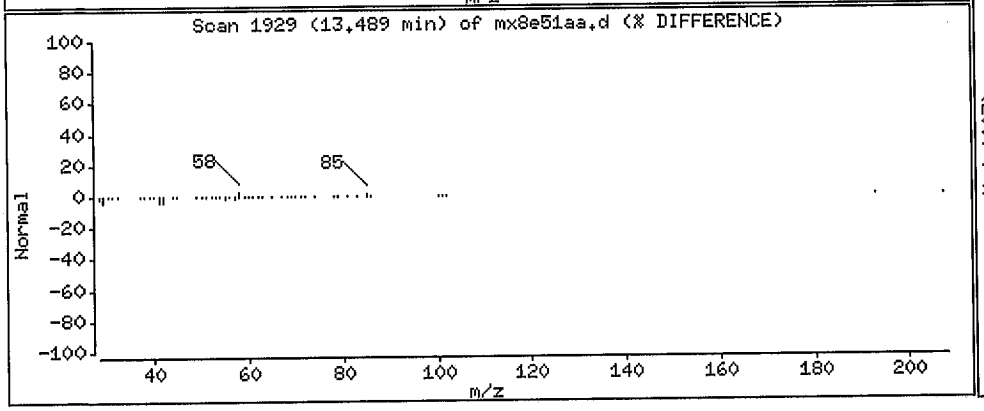












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

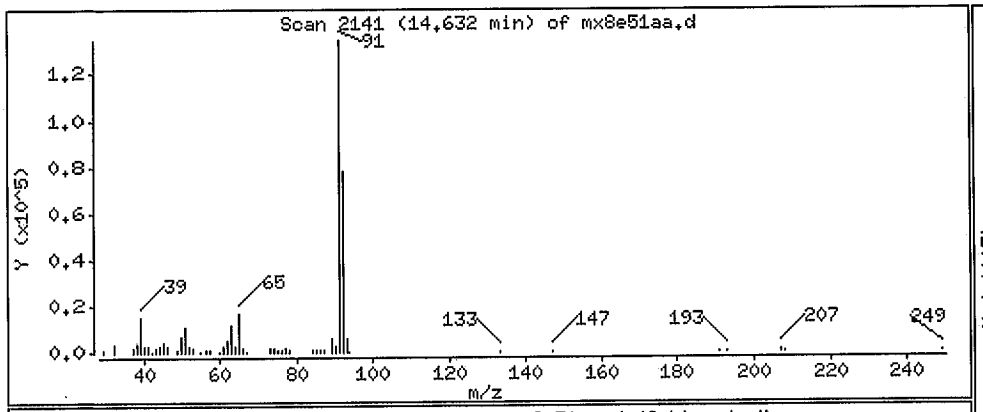
Operator: 403648

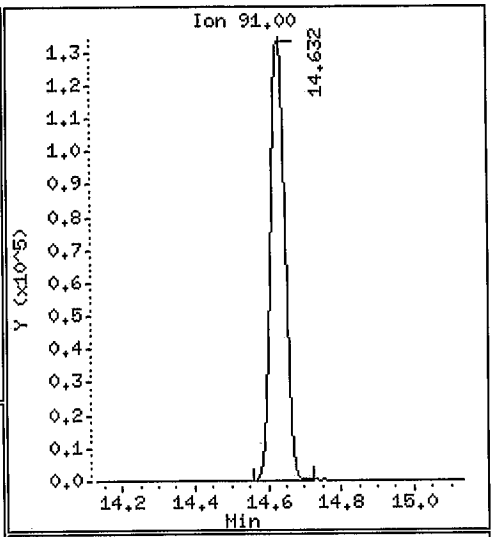
Column phase: Rtx-5

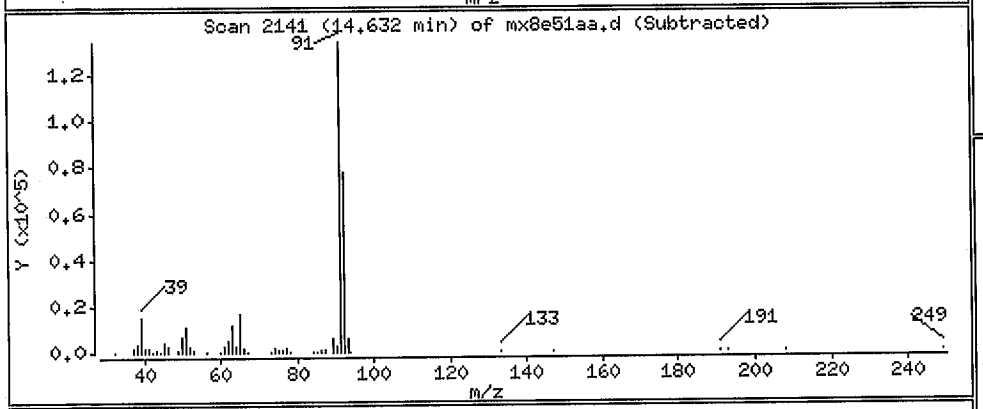
Column diameter: 0.32

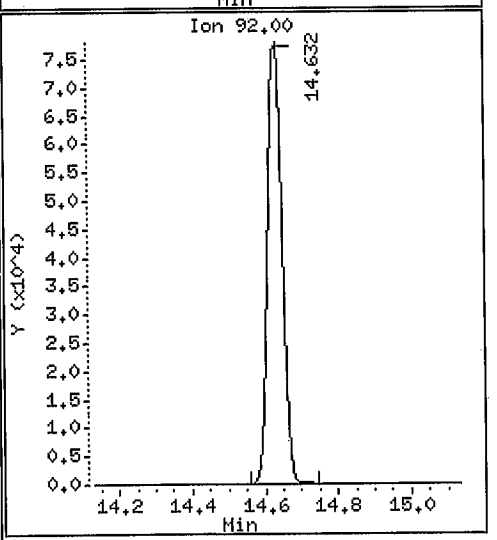
65 Toluene

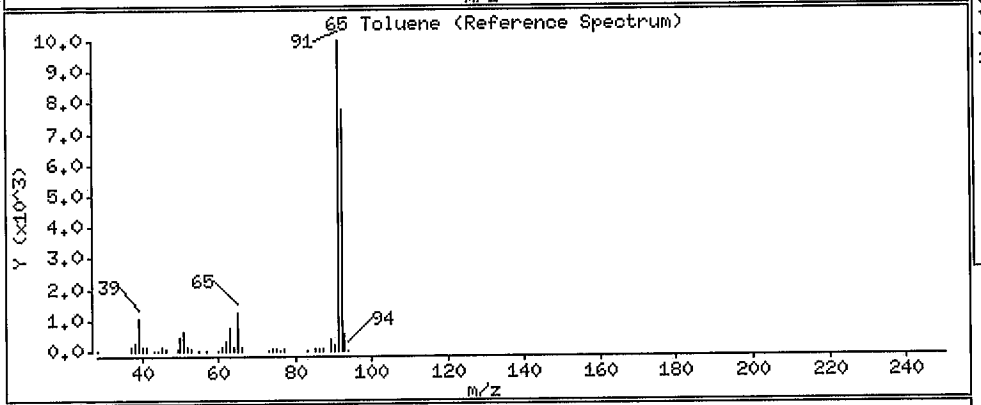
Concentration: 0.6024 ppb(v/v)

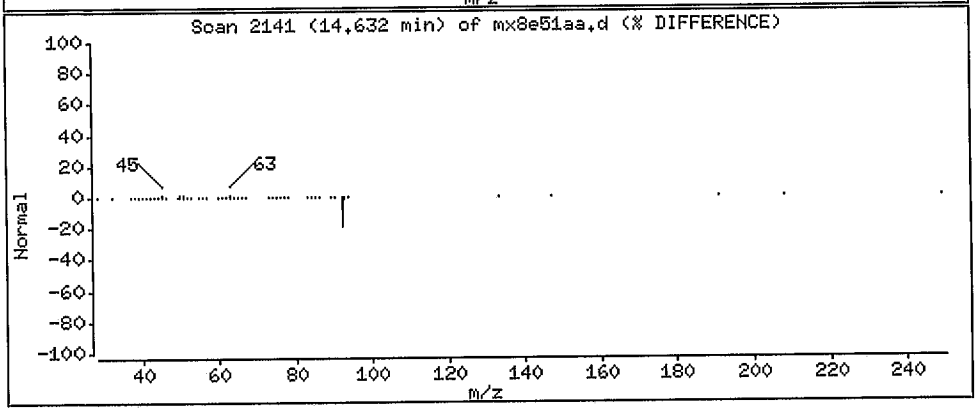












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

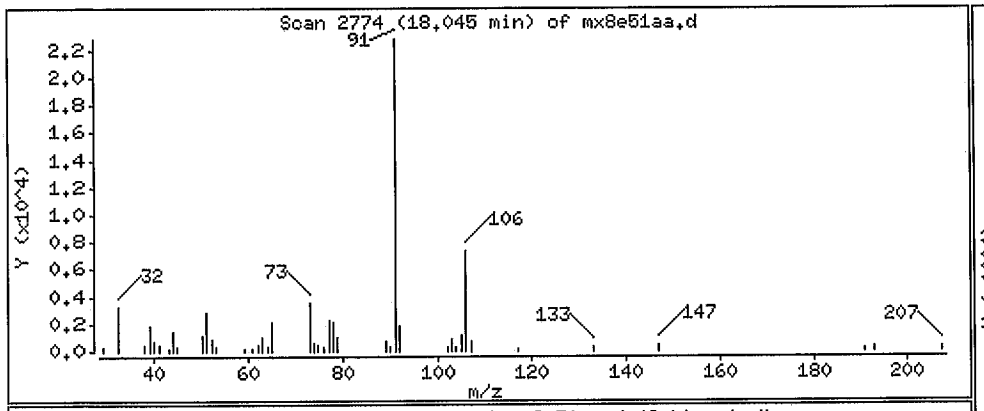
Operator: 403648

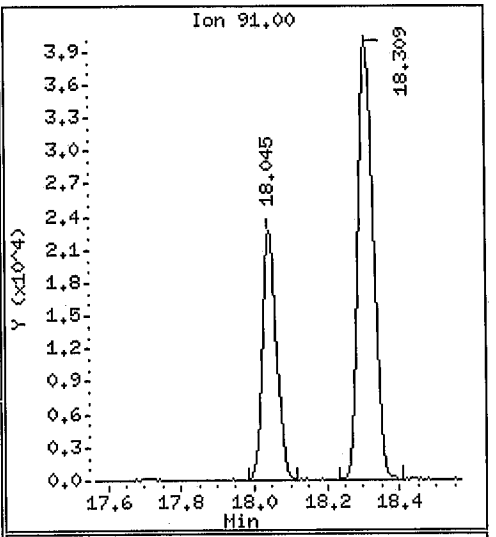
Column phase: Rtx-5

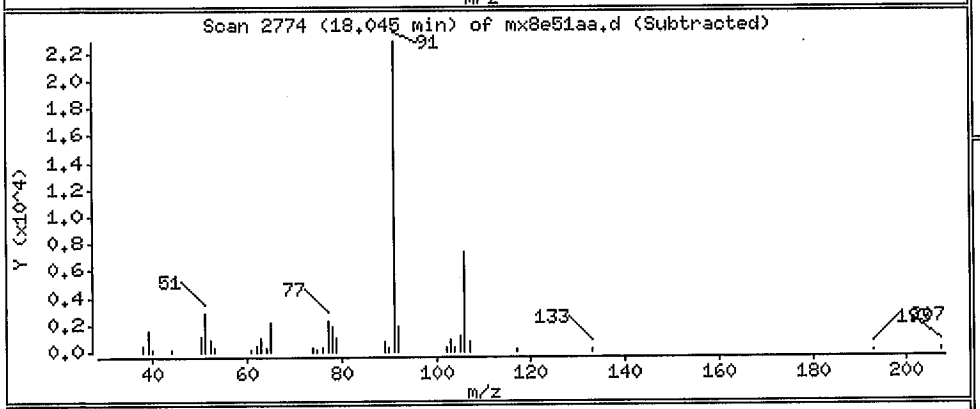
Column diameter: 0.32

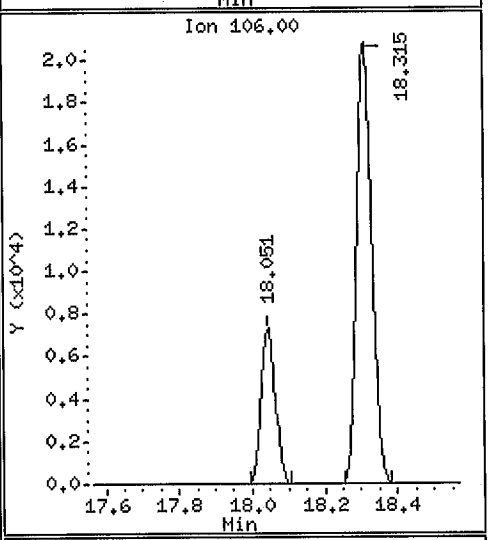
76 Ethylbenzene

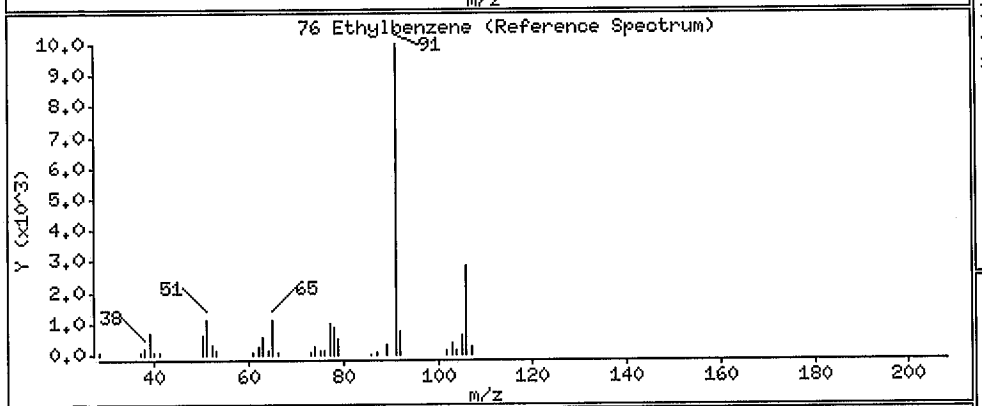
Concentration: 0.08366 ppb(v/v)

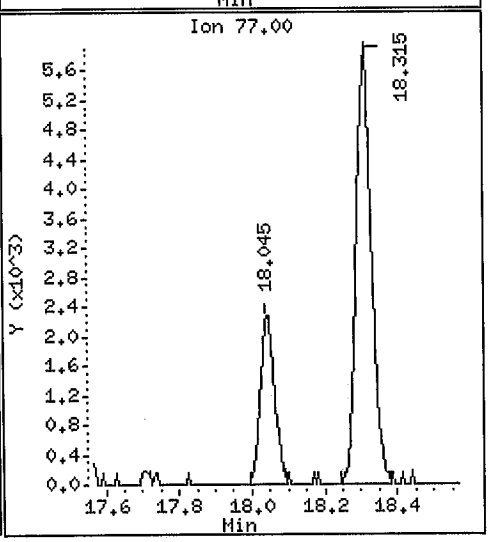


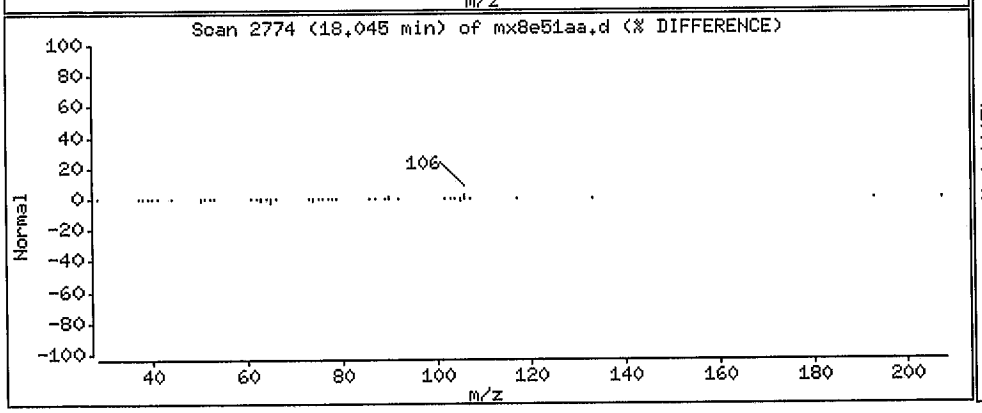












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

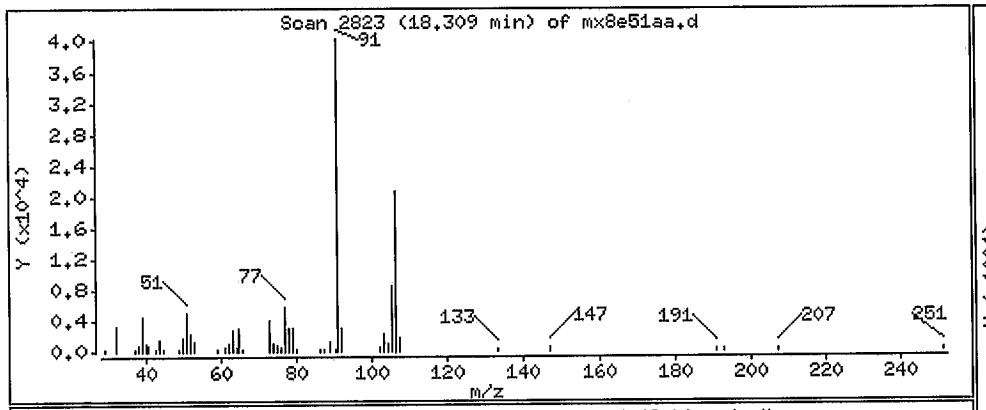
Operator: 403648

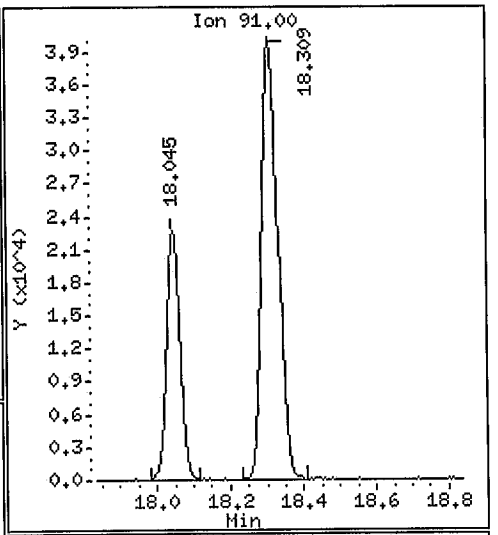
Column phase: Rtx-5

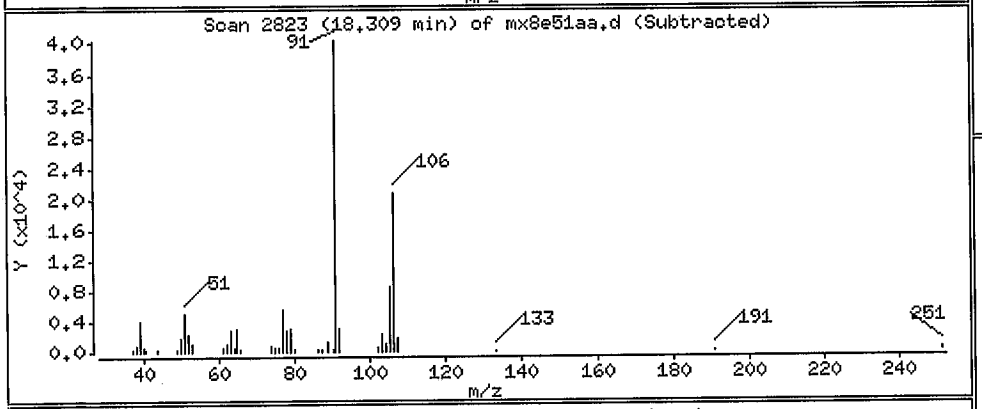
Column diameter: 0.32

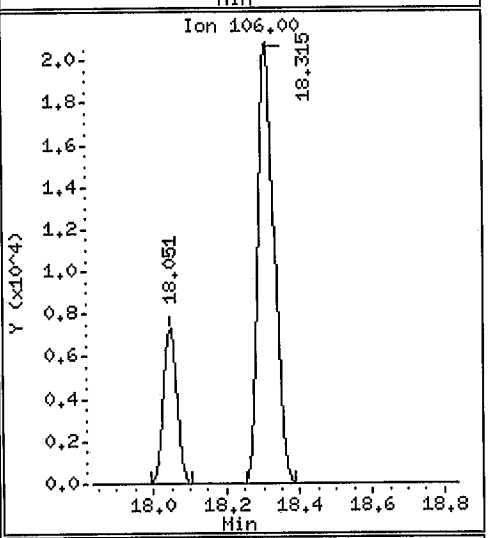
78 m&p-Xylene

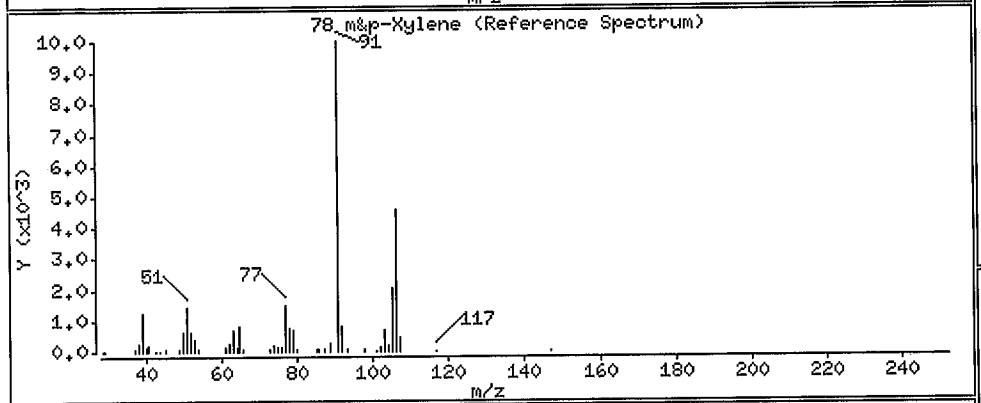
Concentration: 0.2182 ppb(v/v)

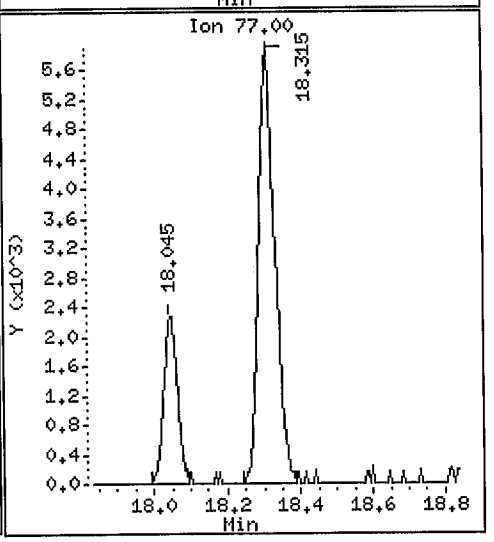


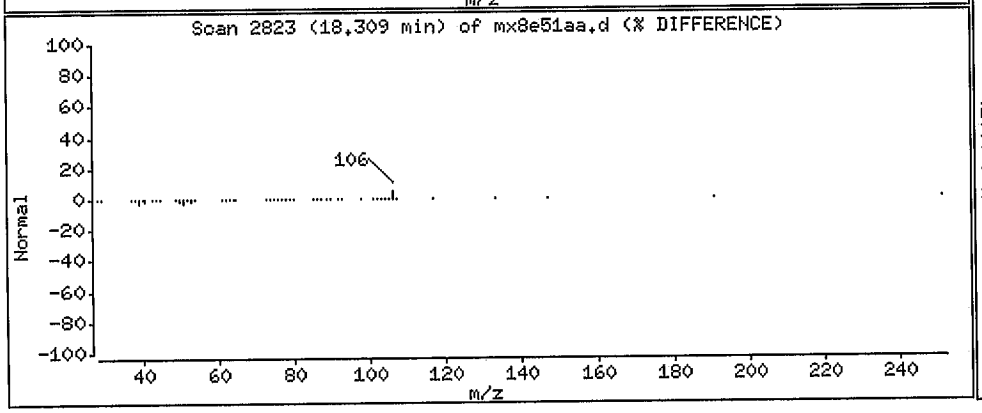












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

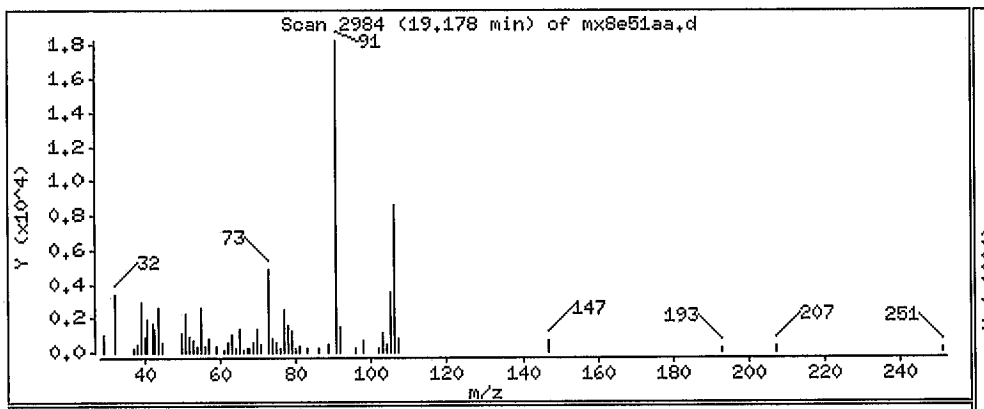
Client ID: 828076-IA-003B7-01 Instrument: mr.i

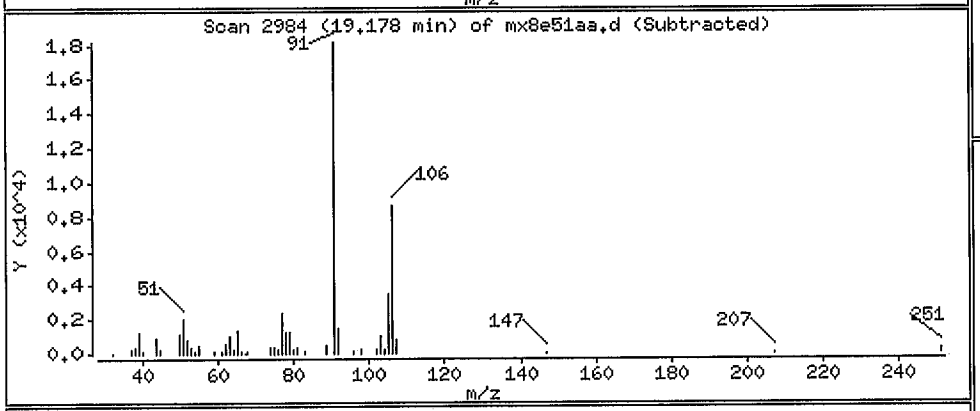
Sample Info: ,,0,,,

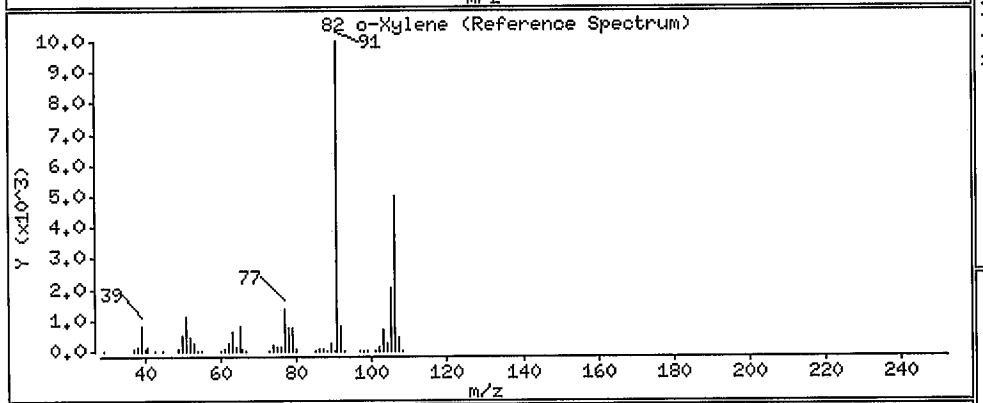
Purge Volume: 500.0 Operator: 403648

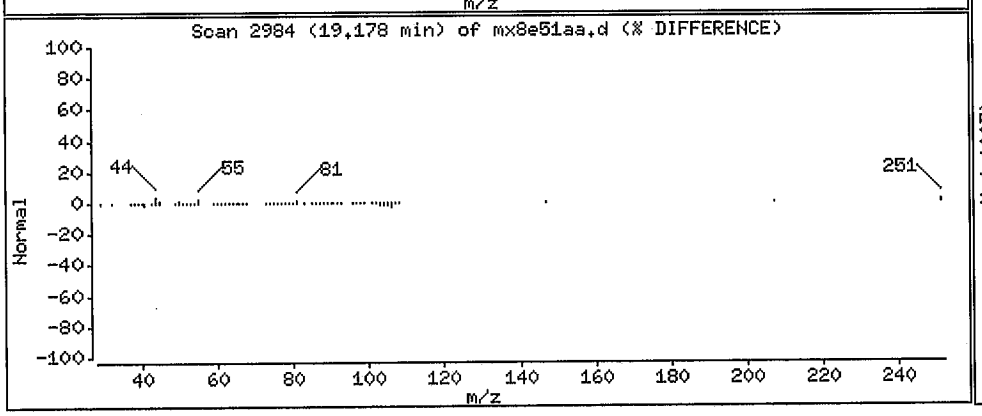
Column phase: Rtx-5 Column diameter: 0.32

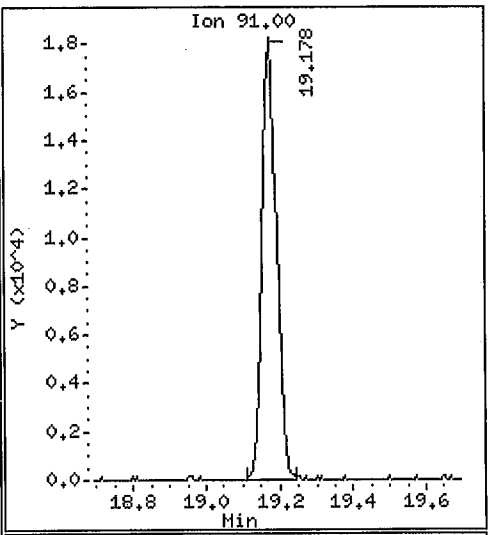
82 o-Xylene Concentration: 0.08339 ppb(v/v)

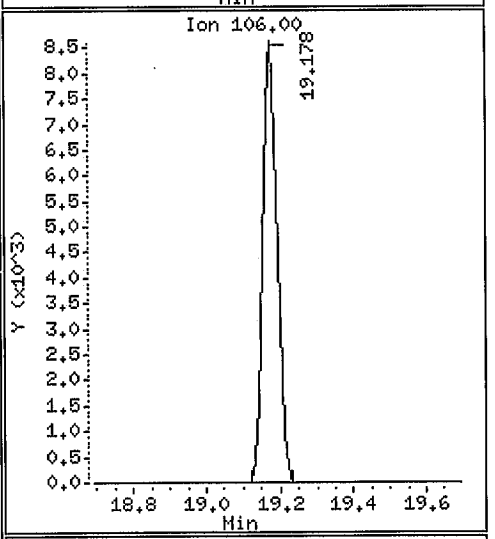


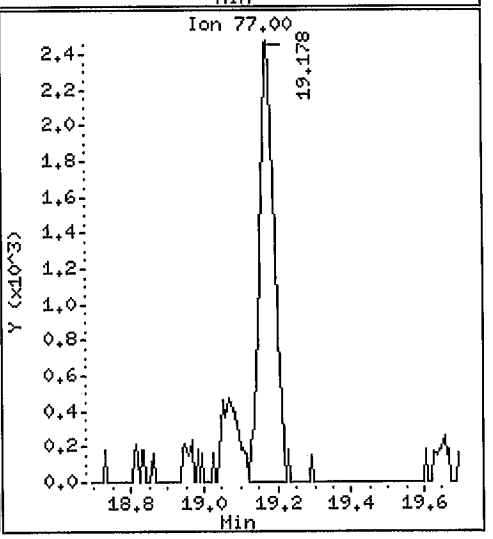












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

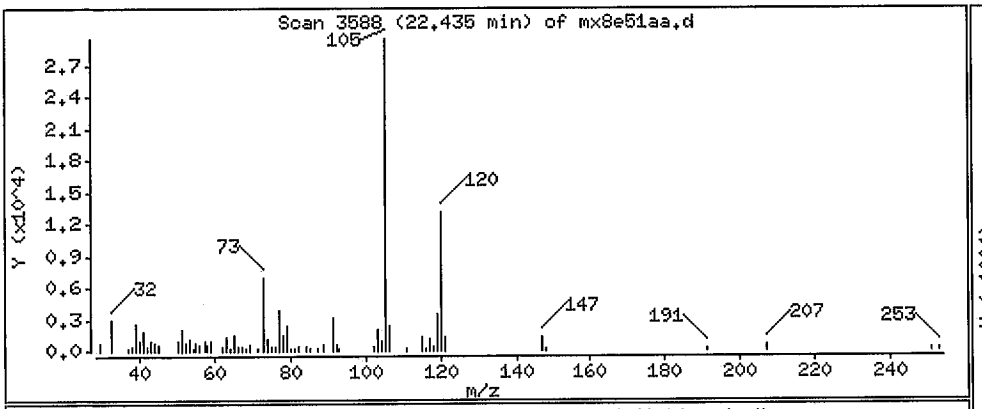
Operator: 403648

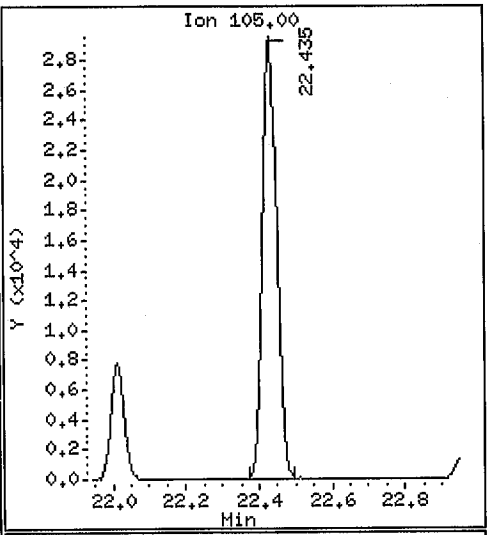
Column phase: Rtx-5

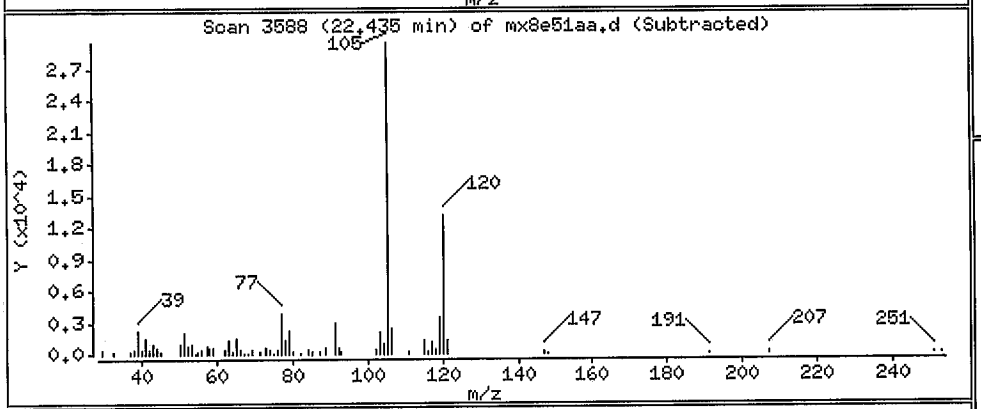
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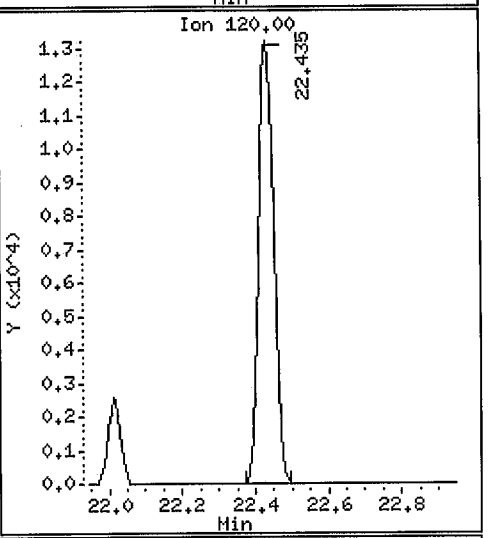
94 1,2,4-Trimethylbenzene

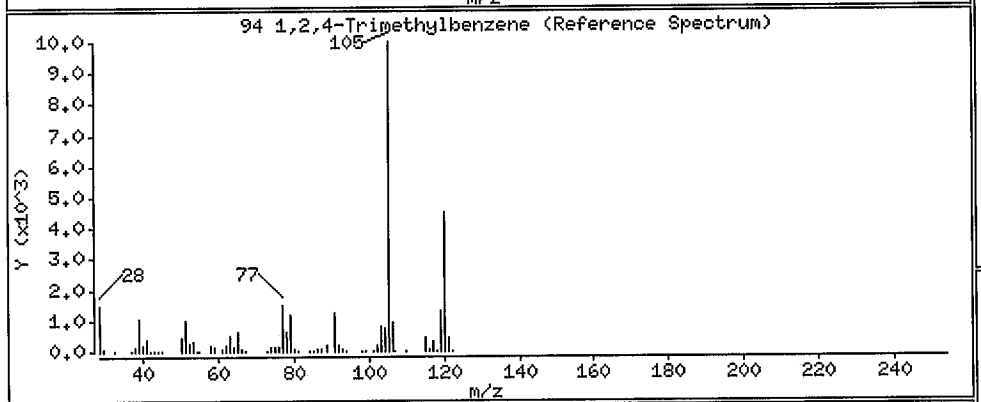
Concentration: 0.1070 ppb(v/v)

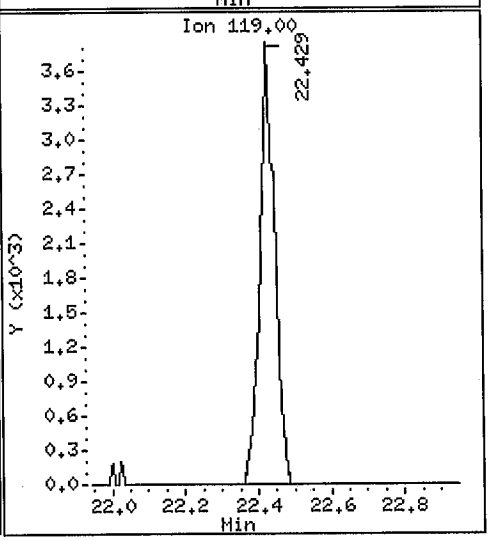


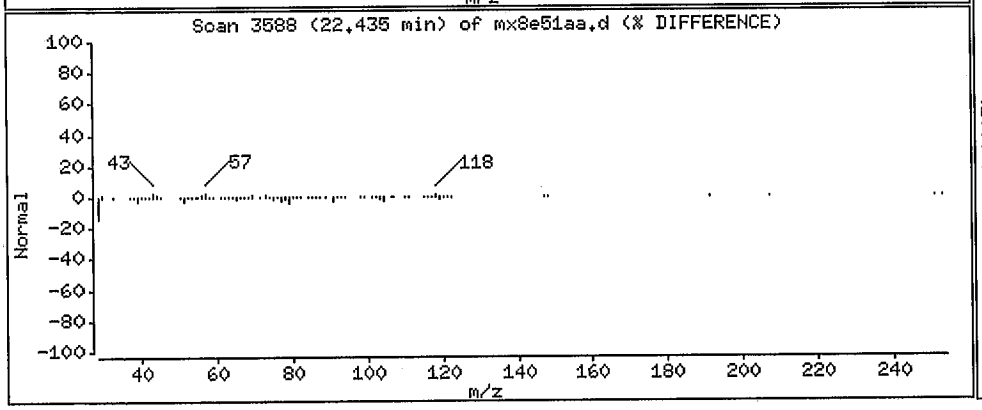












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e51aa.d

Date : 01-MAR-2013 06:53

Client ID: 828076-IA-003B7-01

Instrument: mr.i

Sample Info: ,,0,,,

Purge Volume: 500.0

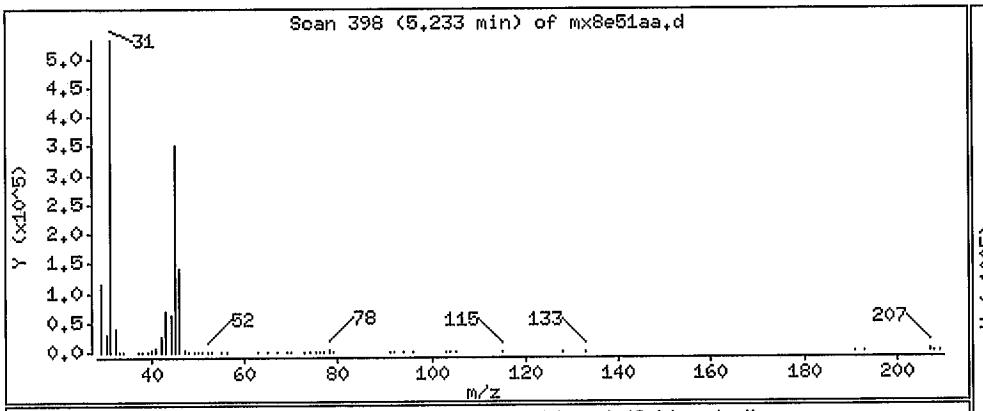
Operator: 403648

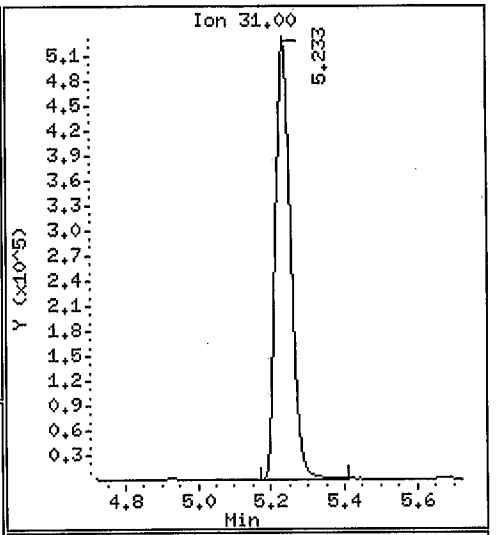
Column phase: Rtx-5

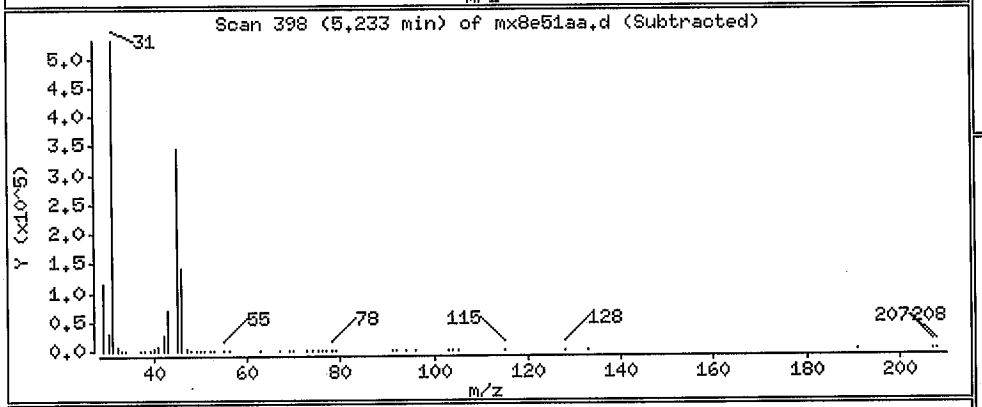
Column diameter: 0.32

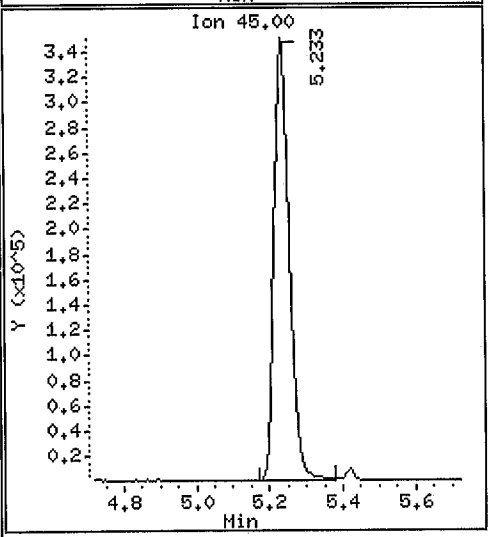
17 ~ ethanol

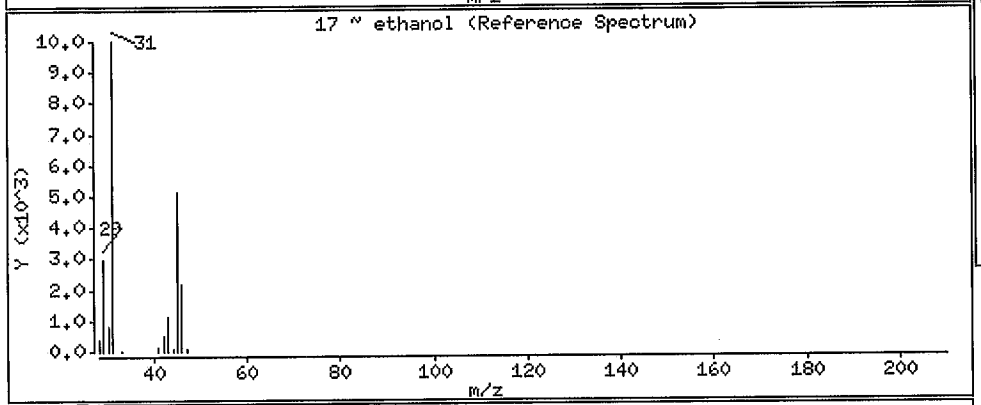
Concentration: 29.34 ppb(v/v)

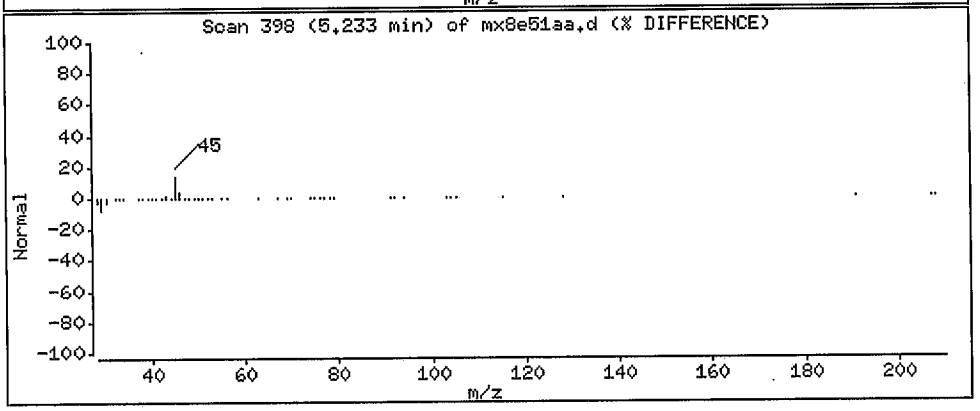












New York State D.E.C.

Client Sample ID: 828076-SS-003B7-01

GC/MS Volatiles

Lot-Sample #	H3B280421 - 023	**Work Order #**	MX8E61AA	**Matrix.....:**	AIR
Date Sampled...:	02/22/2013	**Date Received..:**	02/28/2013		
Prep Date.....:	03/02/2013	**Analysis Date...**	03/03/2013		
Prep Batch #.....:	3063014				
Dilution Factor.:	5	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.81**	**0.40**	**4.0**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	ND	0.40	ND	2.4
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	**2.8**	**0.40**	**8.9**	**1.3**
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	ND	0.40	ND	2.7
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	**9.6**	**0.40**	**25**	**1.1**
Chloroform	ND	0.40	ND	2.0
Cyclohexane	**5.4**	**1.0**	**19**	**3.4**
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.42**	**0.40**	**2.1**	**2.0**
Ethanol	**7.5**	**4.0**	**14**	**7.5**
Ethylbenzene	**1.1**	**0.40**	**4.8**	**1.7**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	**12**	**1.0**	**41**	**3.5**
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: 828076-SS-003B7-01

GC/MS Volatiles

Lot-Sample # H3B280421 - 023 **Work Order #** MX8E61AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	**5.8**	**0.80**	**21**	**2.9**
Methylene chloride	ND	1.0	ND	3.5
Styrene	**0.53**	**0.40**	**2.3**	**1.7**
tert-Butyl alcohol	**5.3**	**1.6**	**16**	**4.9**
Tetrachloroethene	ND	0.40	ND	2.7
Toluene	**6.7**	**0.40**	**25**	**1.5**
m-Xylene & p-Xylene	**4.9**	**0.40**	**21**	**1.7**
o-Xylene	**1.5**	**0.40**	**6.7**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	ND	0.20	ND	1.1
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	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/mg.i/G030213.b/mx8e61aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d
Lab Smp Id: MX8E61AA Client Smp ID: 828076-SS-003B7-01
Inj Date : 03-MAR-2013 02:57
Operator : 403648 Inst ID: mg.i
Smp Info : ,5,0,,,
Misc Info : G030213,TO15,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030213.b/TO15.m
Meth Date : 04-Mar-2013 09:32 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 14
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	5.00000	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	416788	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.646	9.651	(1.000)	1919330	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1617273	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.279	16.284	(1.116)	1115472	3.89002	3.890
	7 Dichlorodifluoromethane	85	3.493	3.493	(0.461)	31079	0.08309	0.4154
	12 Vinyl Chloride	62	3.752	3.752	(0.495)	5552	0.05028	0.2514
	16 Chloroethane	64	4.157	4.151	(0.548)	94108	1.91008	9.550
	28 tert-butanol	59	5.241	5.235	(0.691)	189968	1.05272	5.264
	36 Methyl-t-Butyl Ether	73	6.184	6.179	(0.816)	342718	1.16892	5.844
	40 Hexane	56	6.864	6.864	(0.905)	256643	2.30780	11.54
	49 Cyclohexane	69	9.004	9.010	(0.933)	65755	1.08919	5.446
	48 Benzene	78	9.064	9.064	(0.940)	205565	0.55921	2.796
	65 Toluene	91	12.531	12.531	(0.859)	573052	1.33753	6.688
	76 Ethylbenzene	91	14.931	14.931	(1.023)	116596	0.22045	1.102
	78 m&p-Xylene	91	15.098	15.103	(1.035)	399708	0.97413	4.871
	81 Styrene	104	15.588	15.588	(1.068)	31960	0.10699	0.5349

Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d
Report Date: 04-Mar-2013 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
82 o-Xylene	91	15.637	15.637	(1.072)	128738	0.30846	1.542
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	77171	0.16127	0.8063
17 ~ ethanol	31	4.259	4.254	(0.562)	49953	1.49302	7.465

Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: mx8e61aa.d
Lab Smp Id: MX8E61AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

Calibration Date: 02-MAR-2013
Calibration Time: 13:15
Client Smp ID: 828076-SS-003B7-01
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	347074	206509	487639	416788	20.09
2 1,4-Difluorobenze	1570764	934605	2206923	1919330	22.19
3 Chlorobenzene-d5	1425721	848304	2003138	1617273	13.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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.

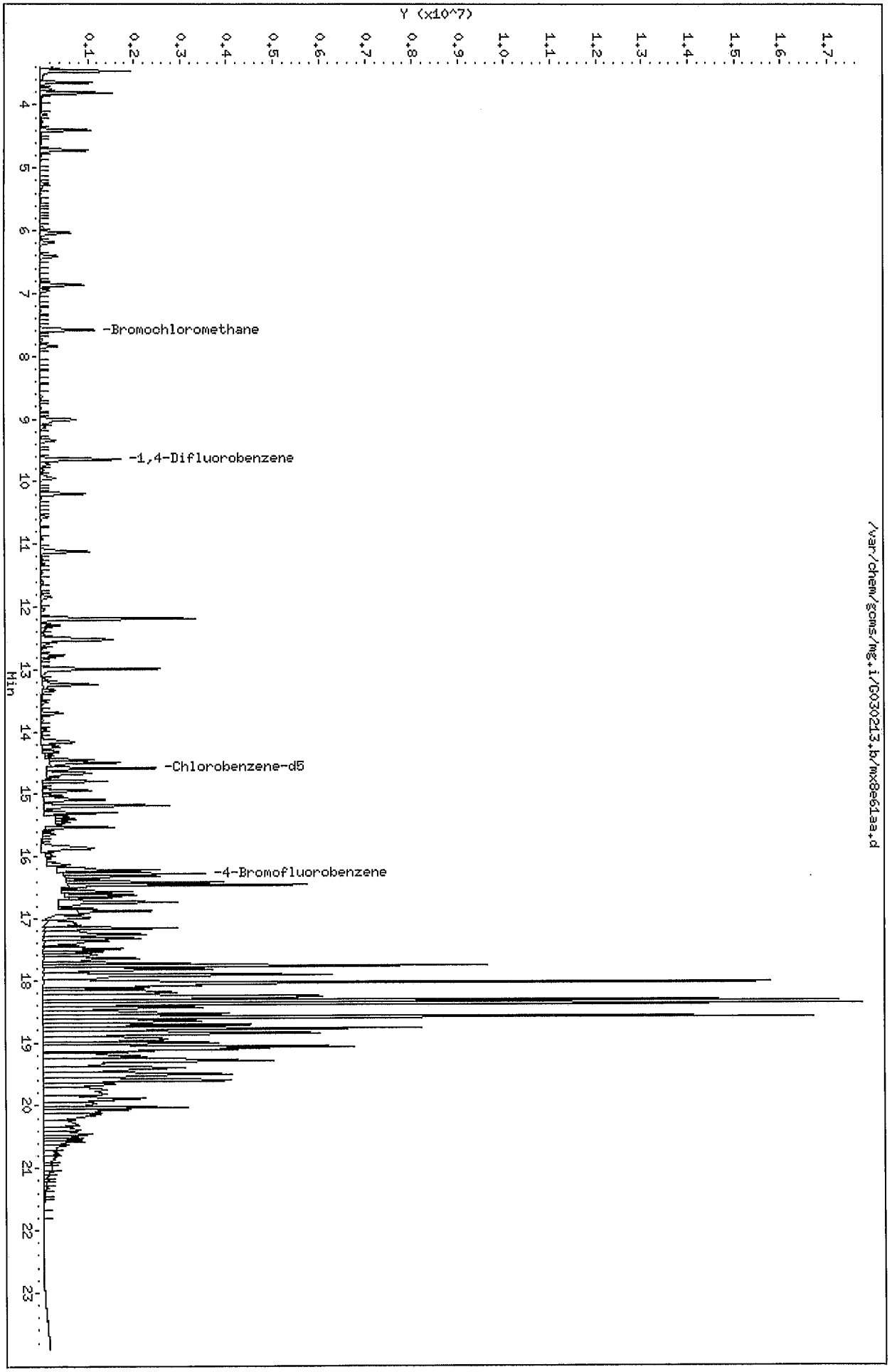
Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d
Report Date: 04-Mar-2013 09:33

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E61AA Client Smp ID: 828076-SS-003B7-01
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.890	97.25	60-140


Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d
Date : 03-MAR-2013 02:57
Client ID: 828076-SS-003B7-01
Sample Info: ,5,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mg.i/G030213.b/mx8e61aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

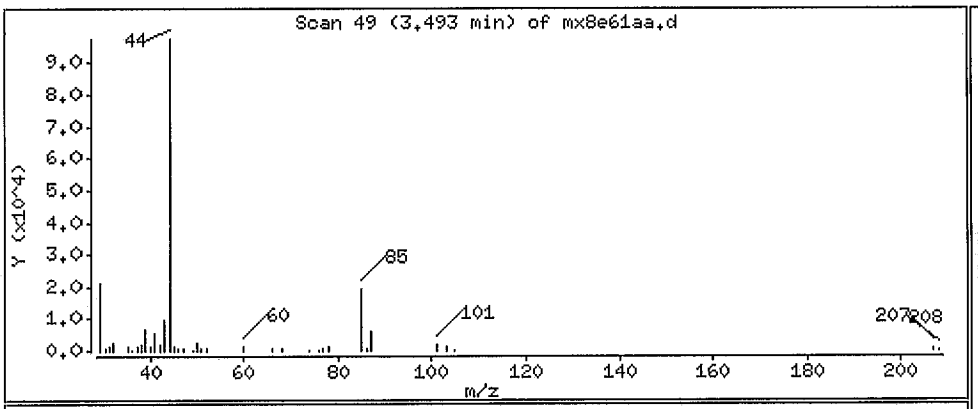
Client ID: 828076-SS-003B7-01 Instrument: mg.i

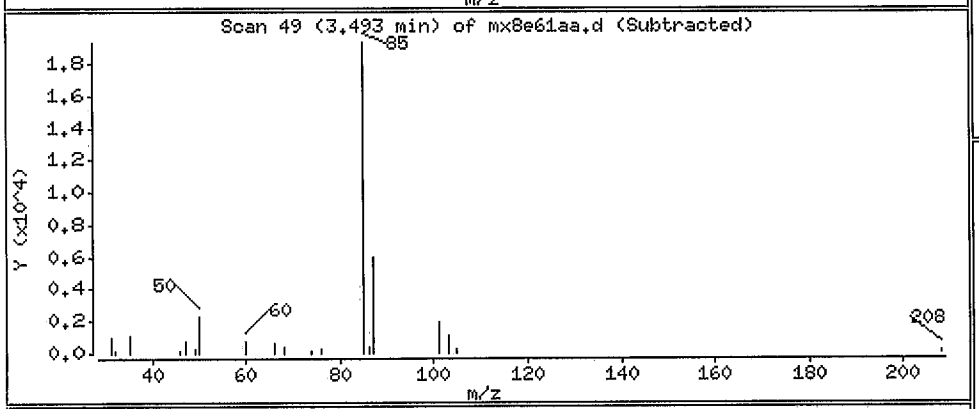
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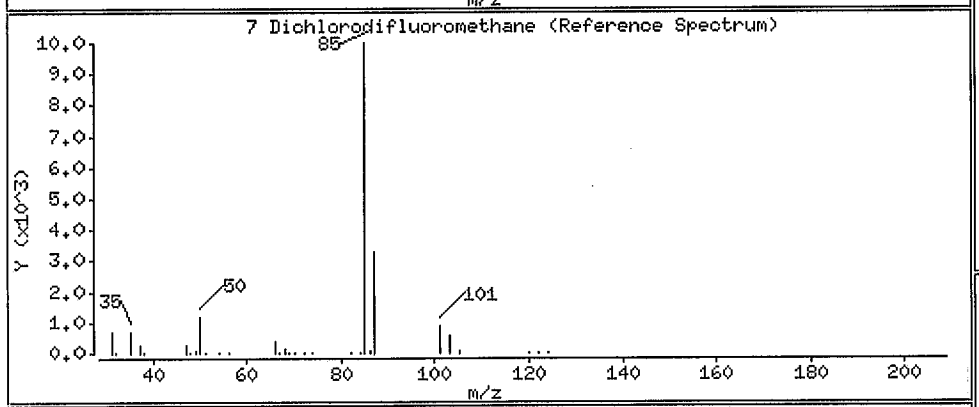
Purge Volume: 500.0 Operator: 403648

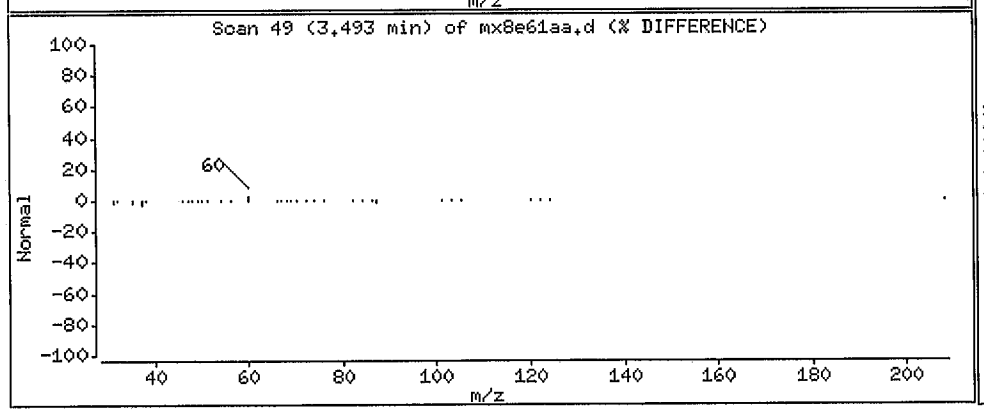
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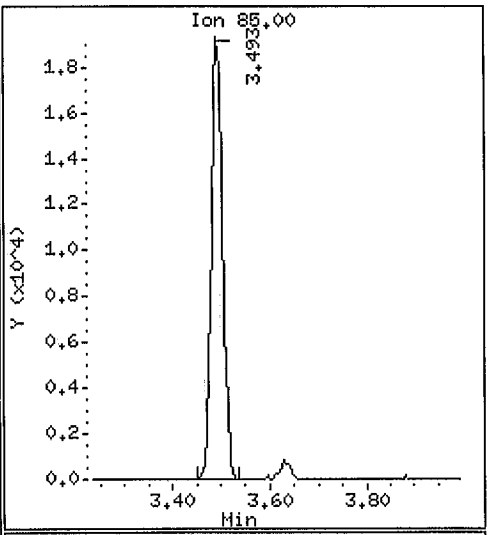
7 Dichlorodifluoromethane Concentration: 0.4154 ppb(v/v)

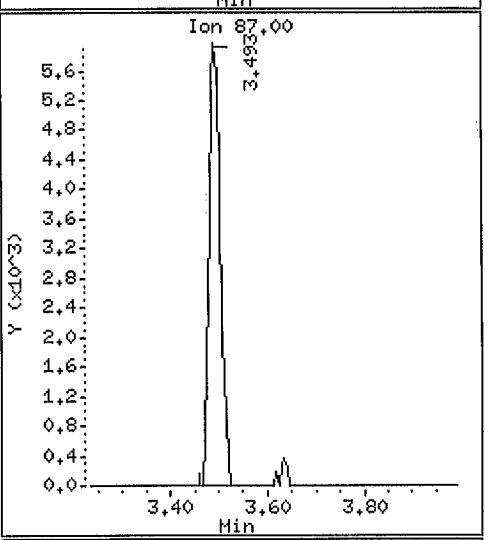


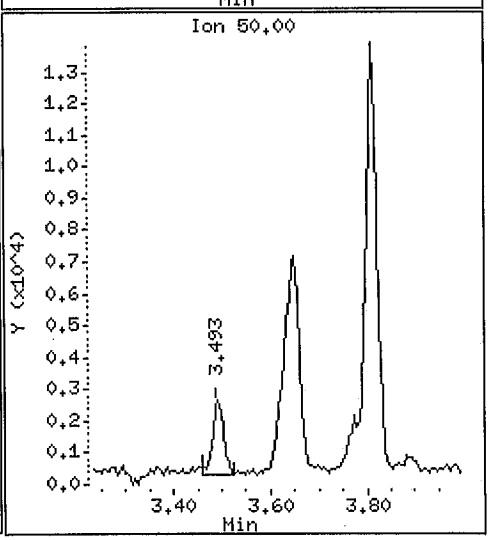












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

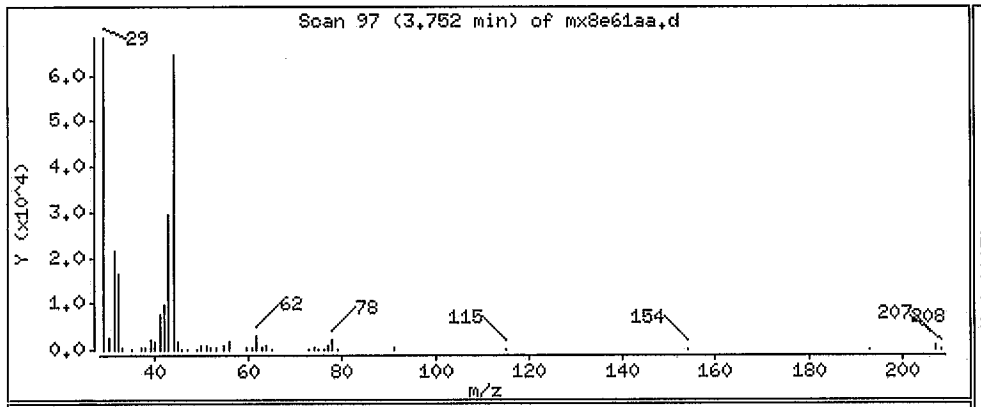
Client ID: 828076-SS-003B7-01 Instrument: mg.i

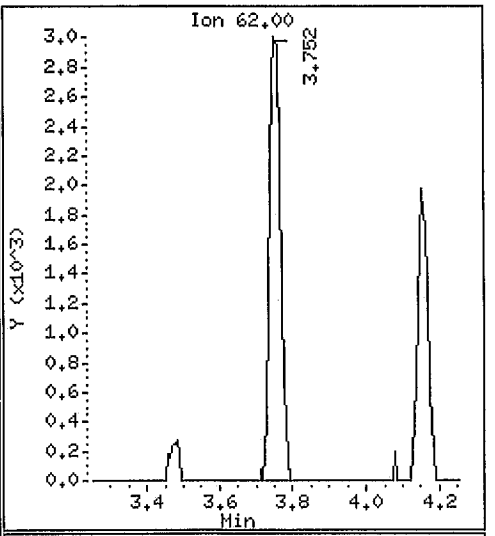
Sample Info: ,5,0,,,

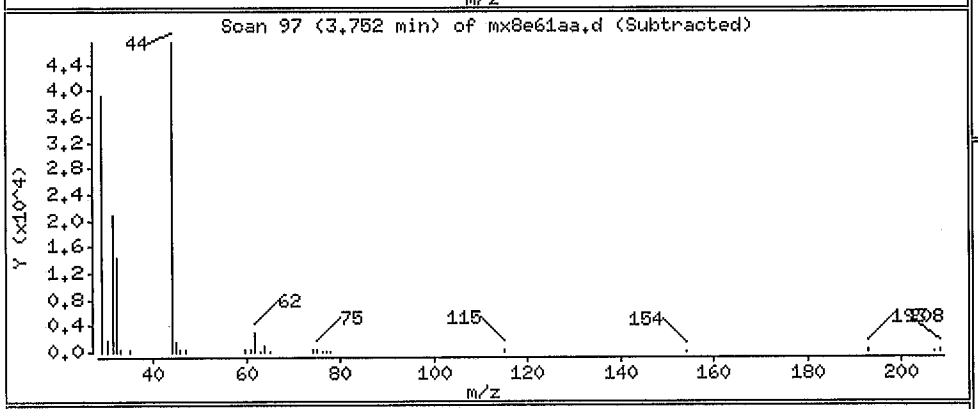
Purge Volume: 500.0 Operator: 403648

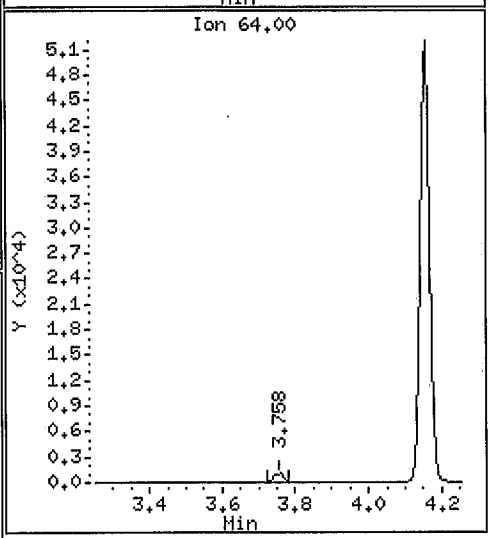
Column phase: Rtx-5 Column diameter: 0.32

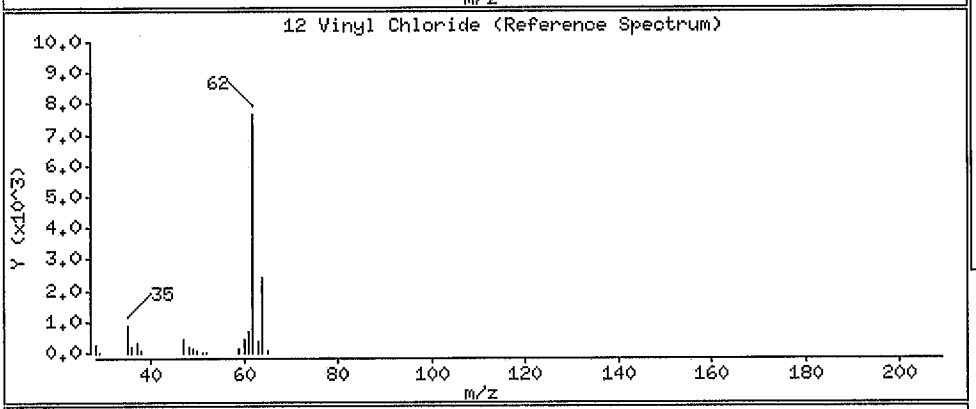
12 Vinyl Chloride Concentration: 0.2514 ppb(v/v)

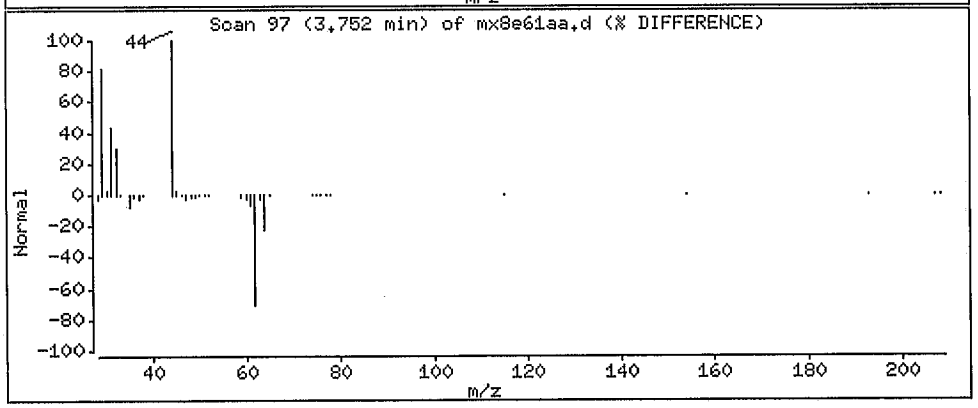












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

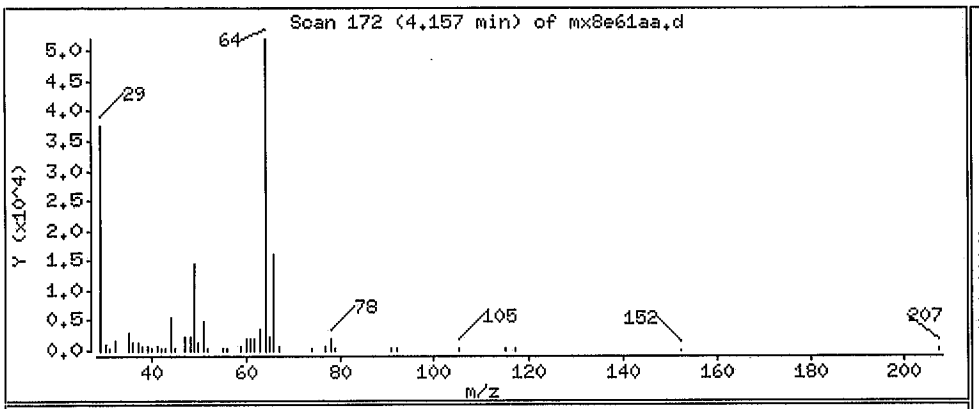
Client ID: 828076-SS-003B7-01 Instrument: mg.i

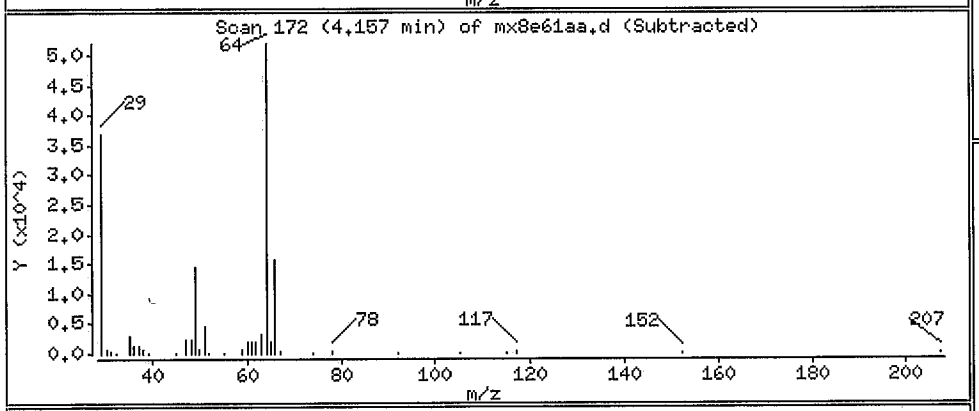
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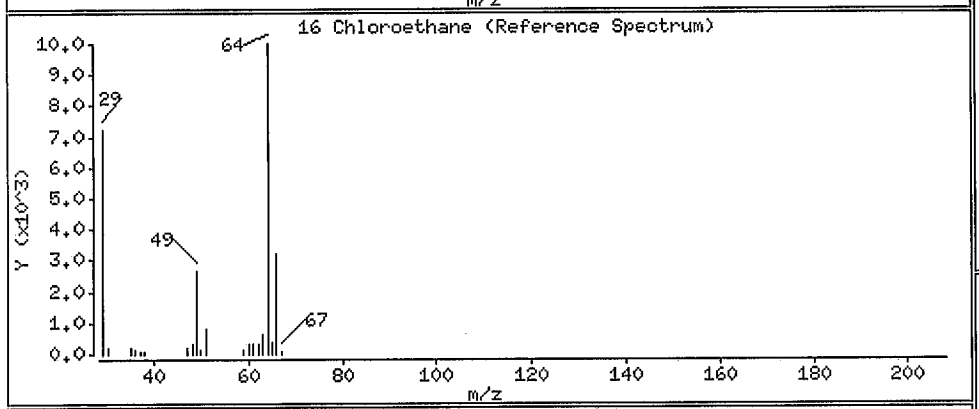
Purge Volume: 500.0 Operator: 403648

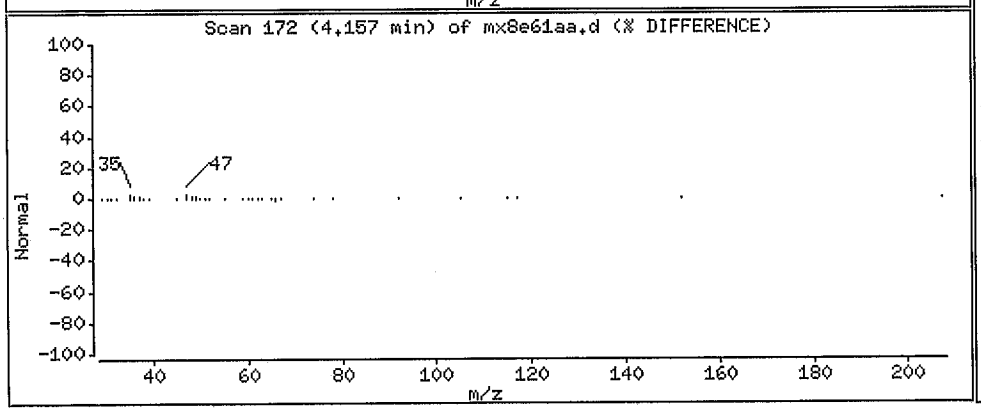
Column phase: Rtx-5 Column diameter: 0.32

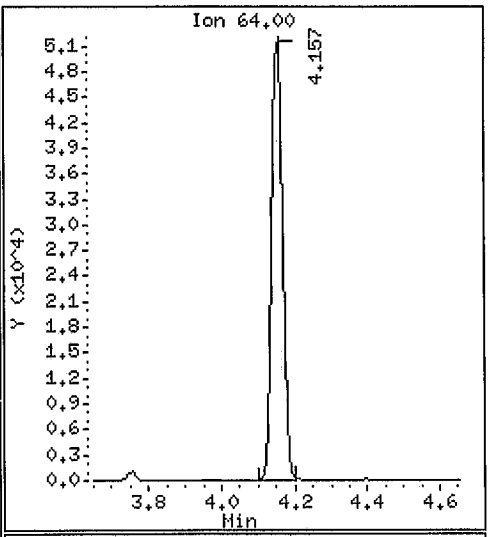
16 Chloroethane Concentration: 9.550 ppb(v/v)

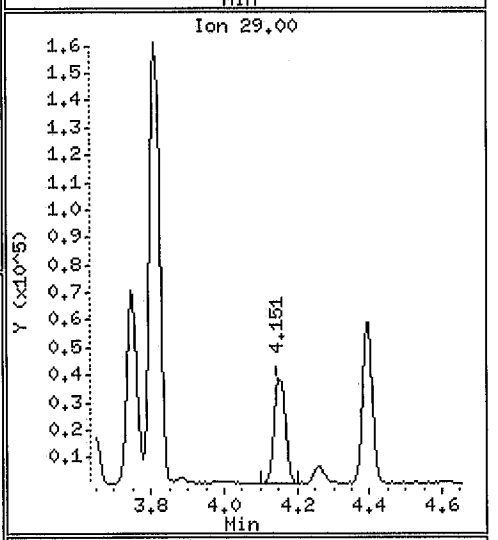


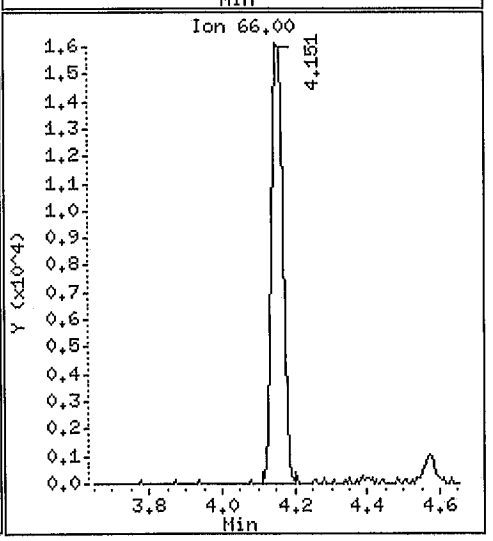












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

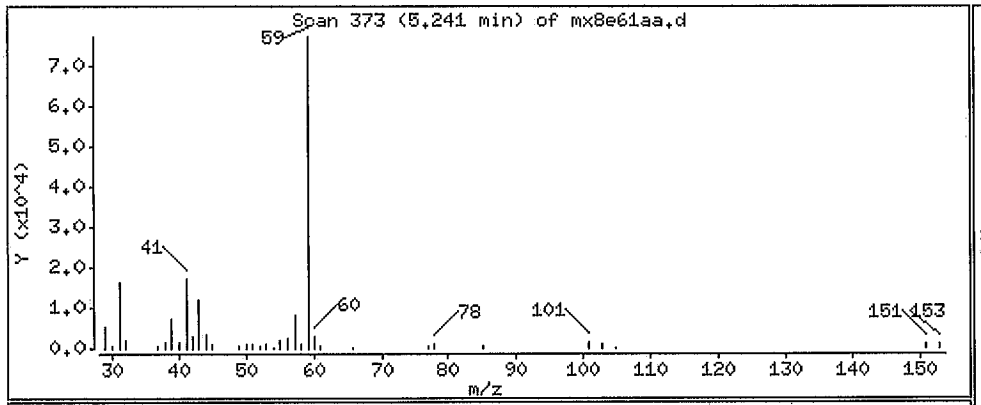
Client ID: 828076-SS-003B7-01 Instrument: mg.i

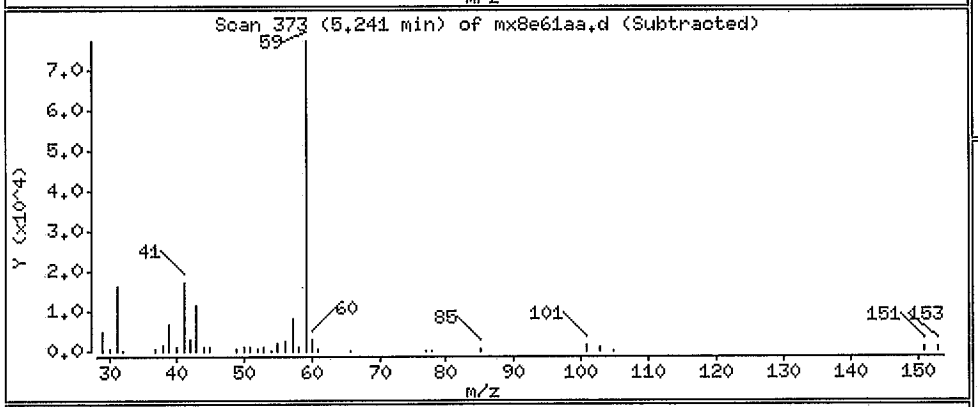
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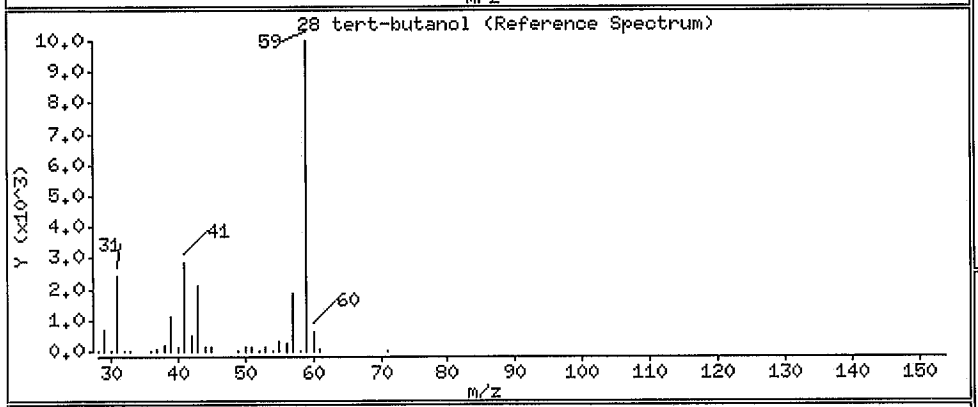
Purge Volume: 500.0 Operator: 403648

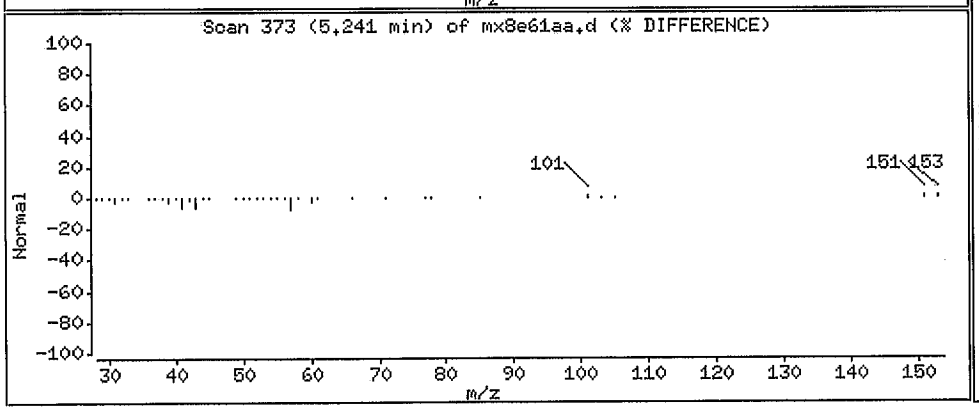
Column phase: Rtx-5 Column diameter: 0.32

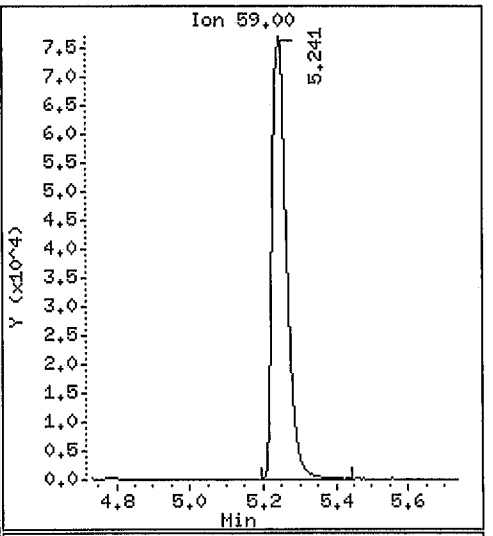
28 tert-butanol Concentration: 5.264 ppb(v/v)

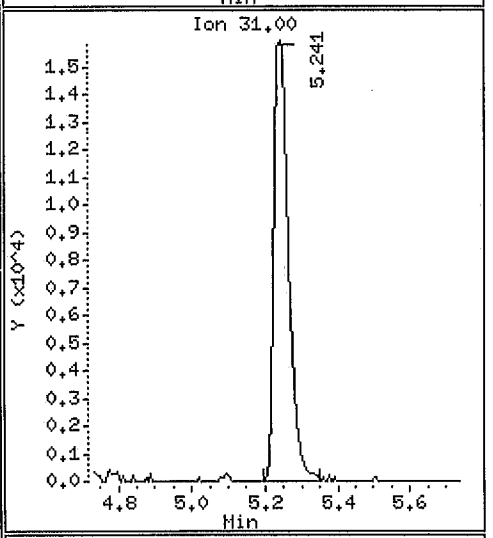


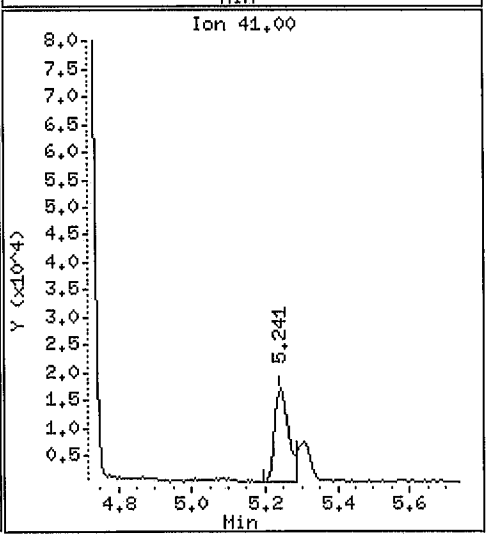












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

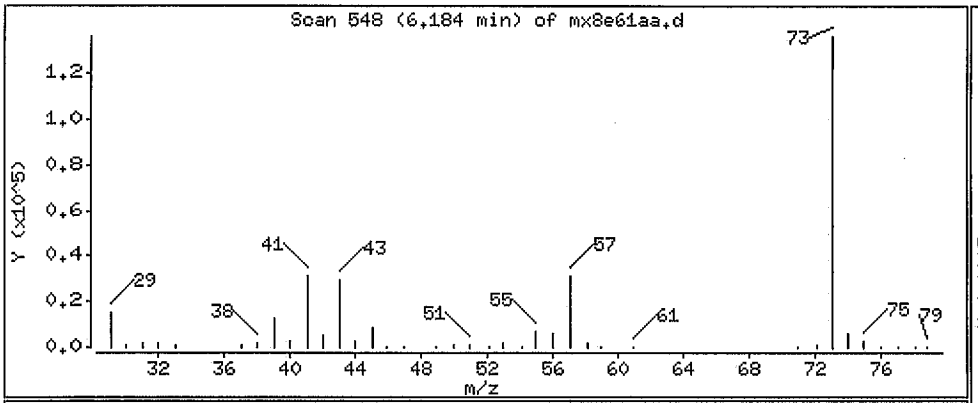
Client ID: 828076-SS-003B7-01 Instrument: mg.i

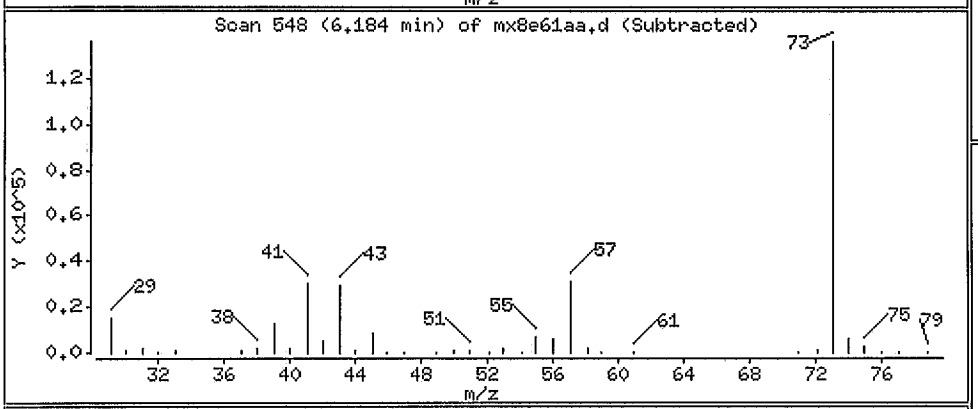
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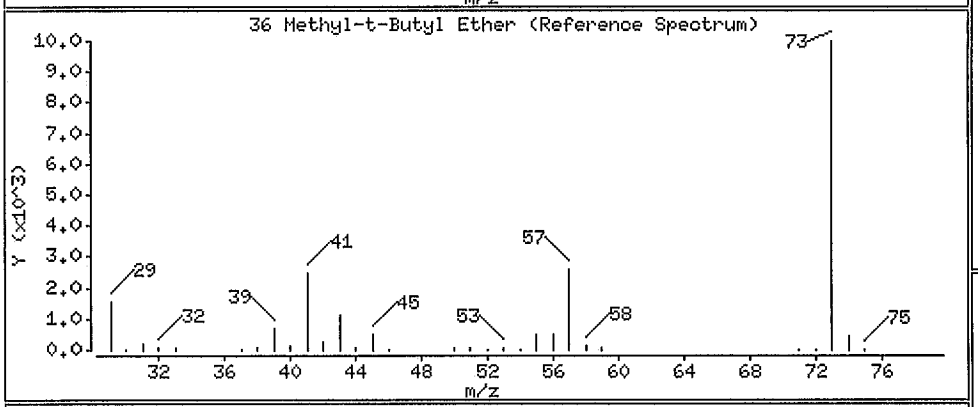
Purge Volume: 500.0 Operator: 403648

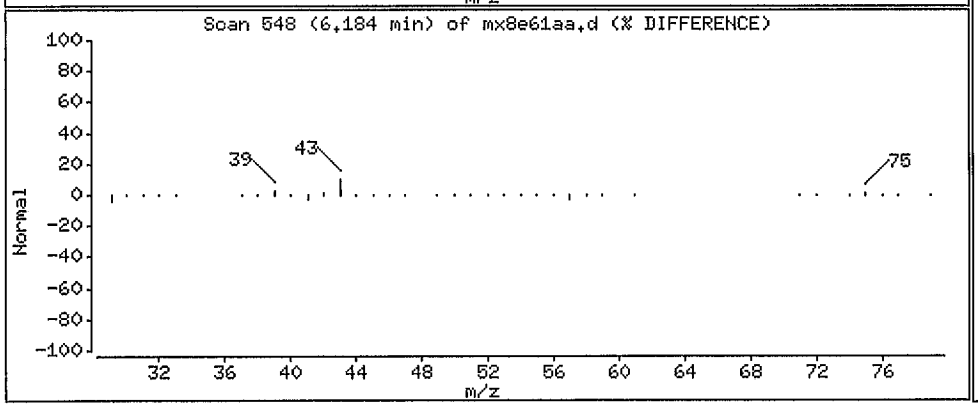
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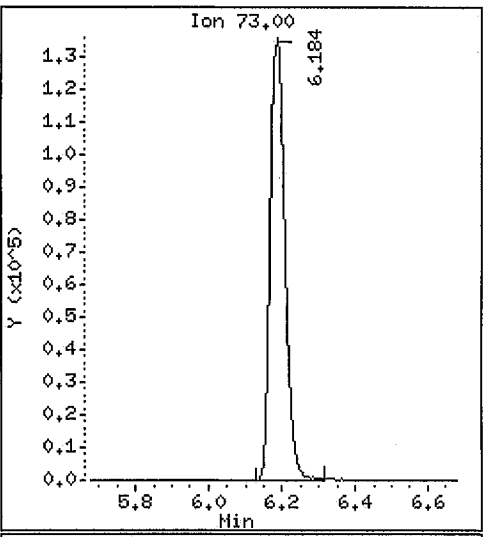
36 Methyl-t-Butyl Ether Concentration: 5.844 ppb(v/v)

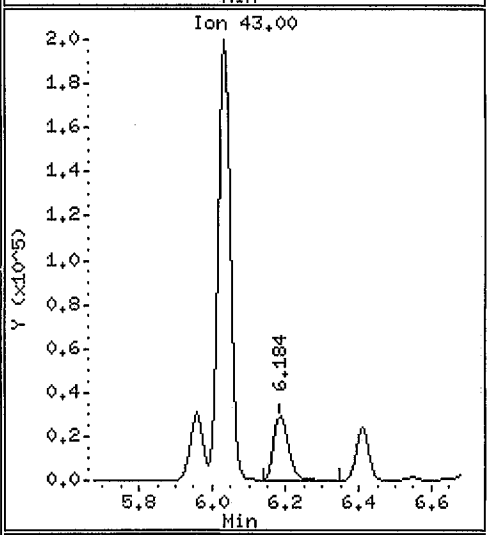


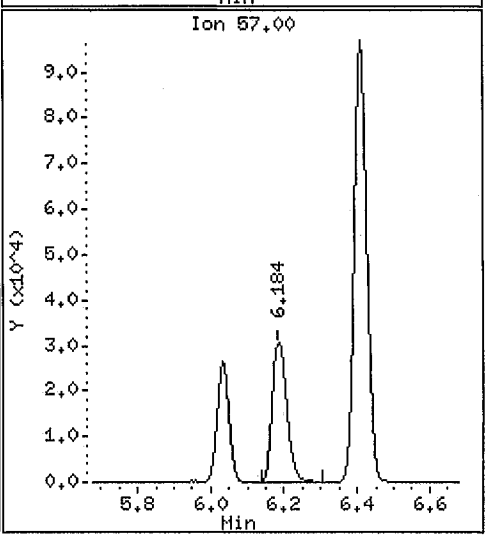












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

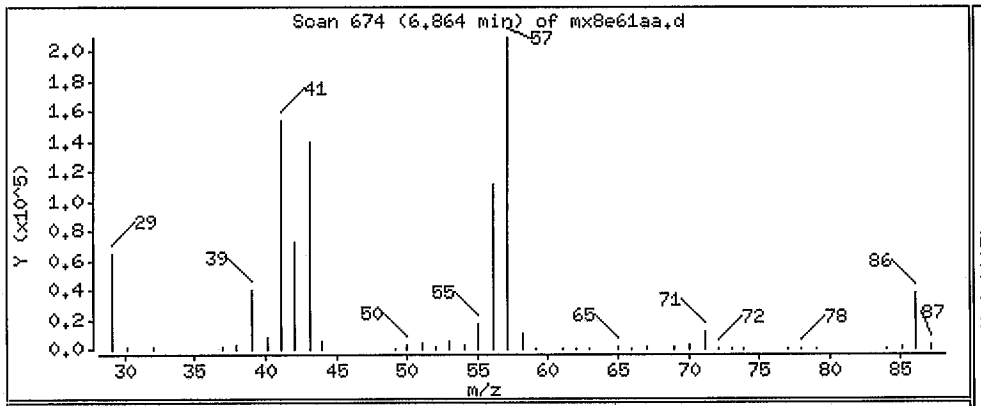
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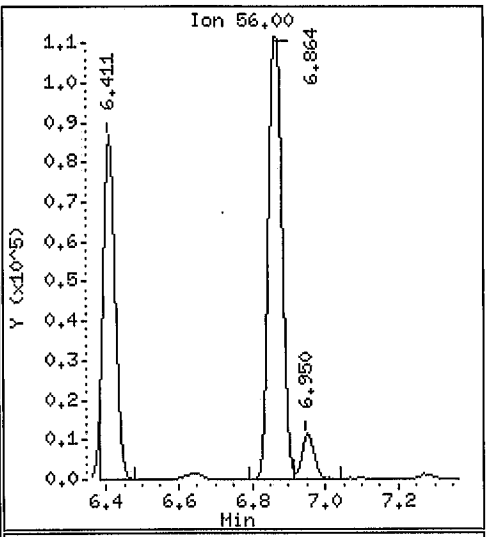
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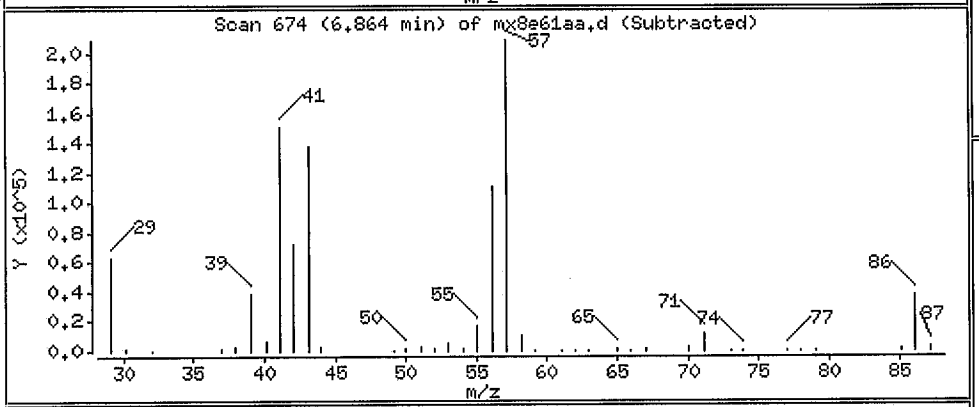
Purge Volume: 500.0 Operator: 403648

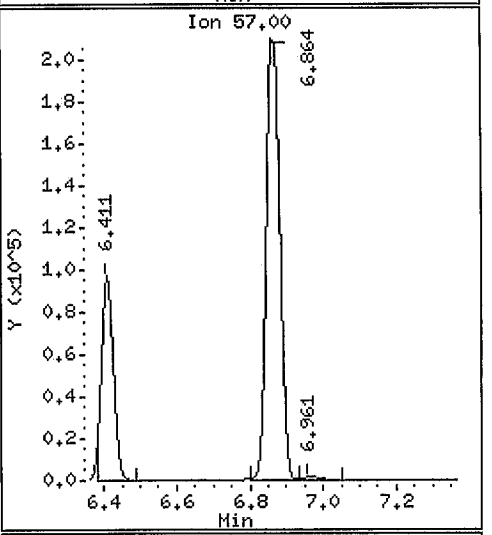
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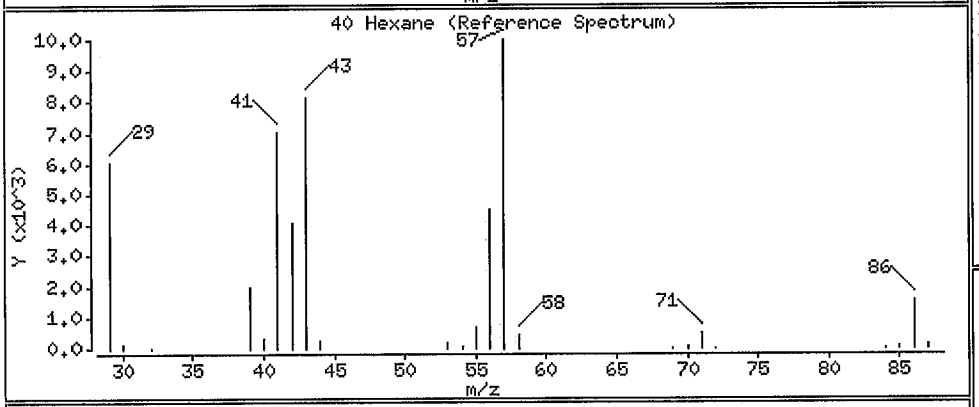
40 Hexane Concentration: 11.54 ppb(v/v)

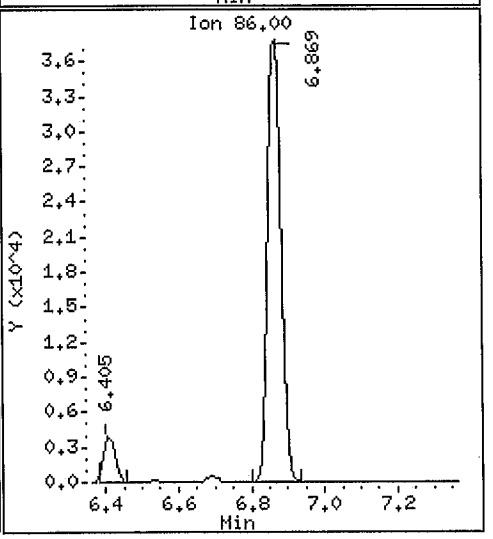


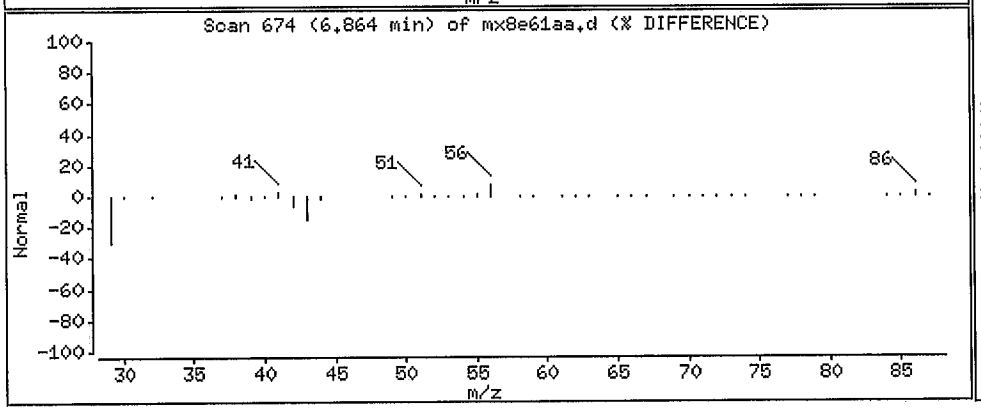












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

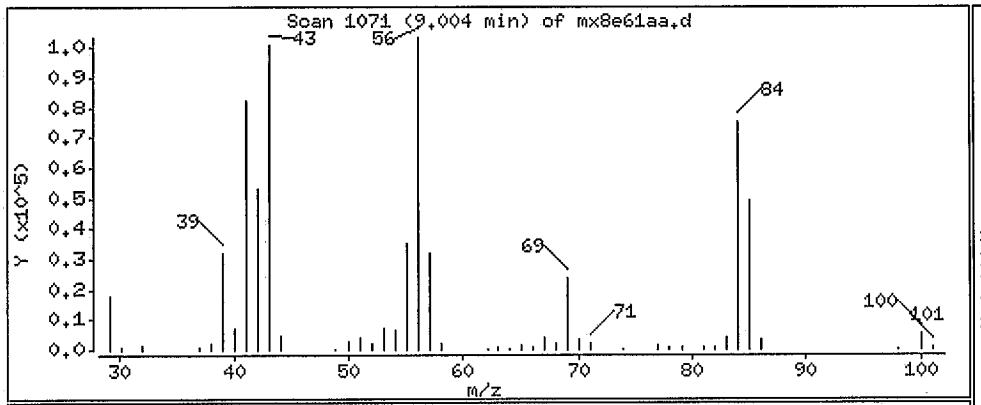
Client ID: 828076-SS-003B7-01 Instrument: mg.i

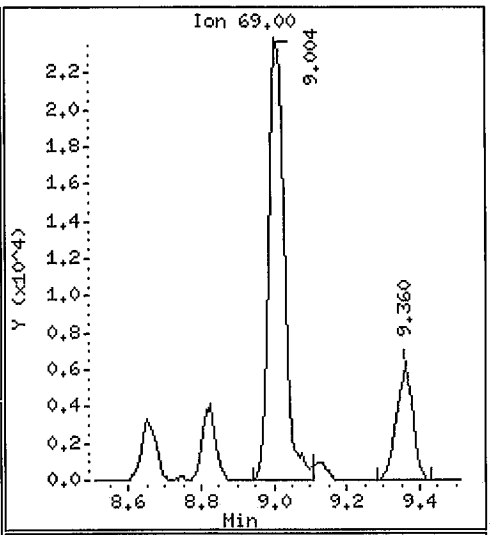
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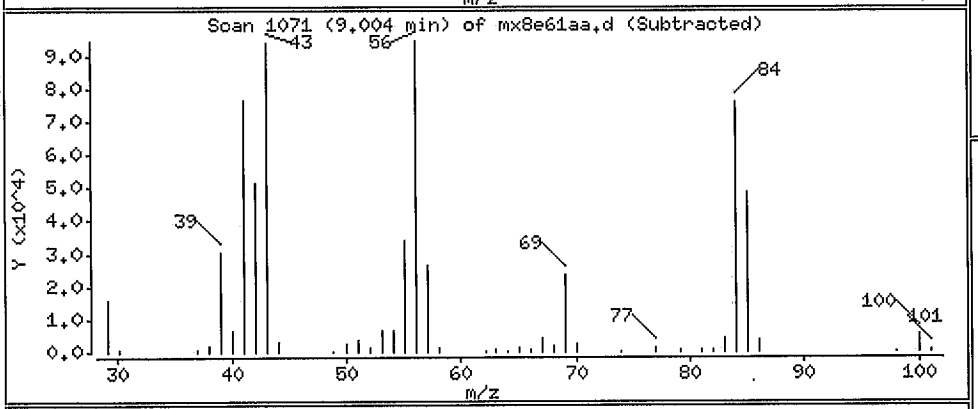
Purge Volume: 500.0 Operator: 403648

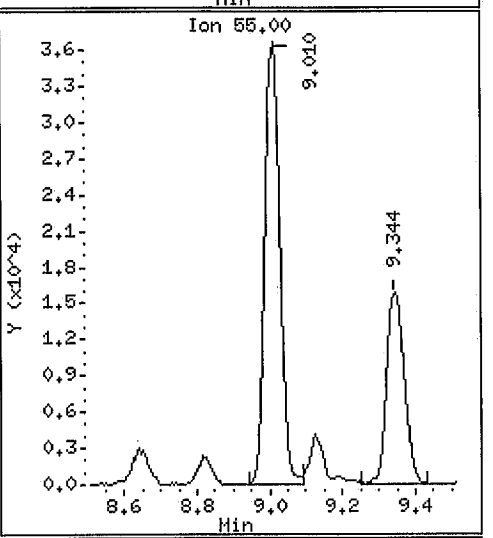
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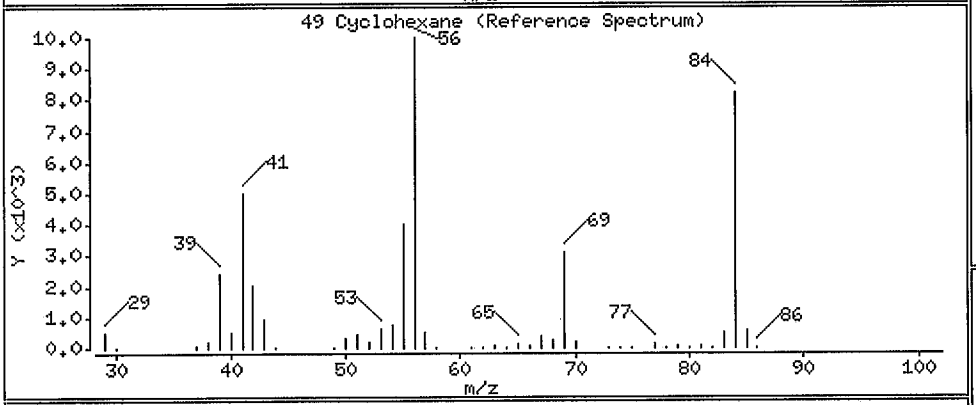
49 Cyclohexane Concentration: 5.446 ppb(v/v)

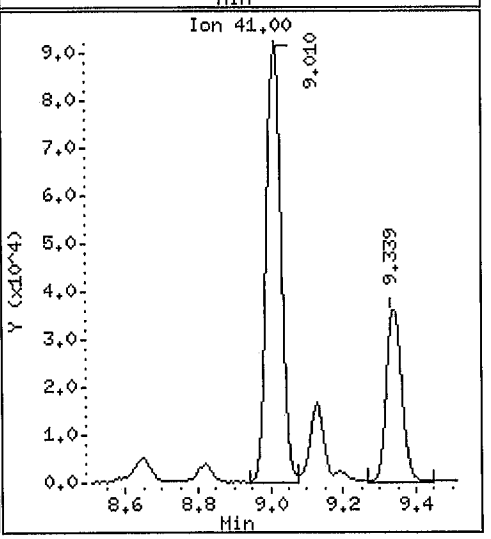


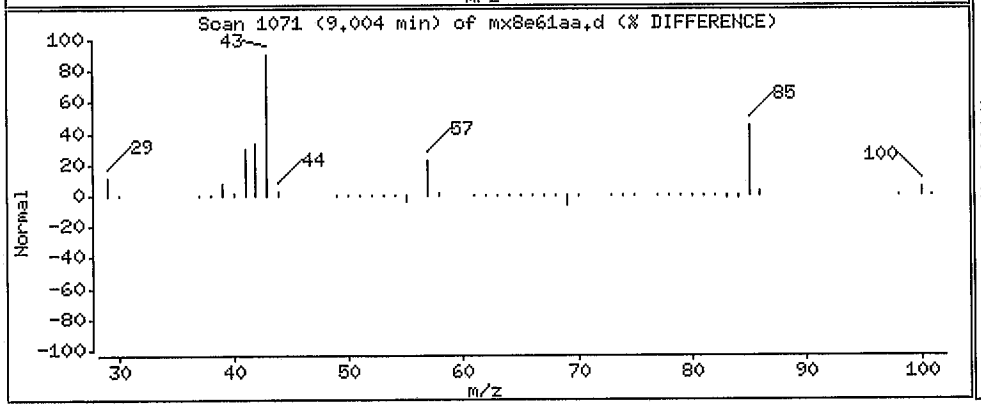












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

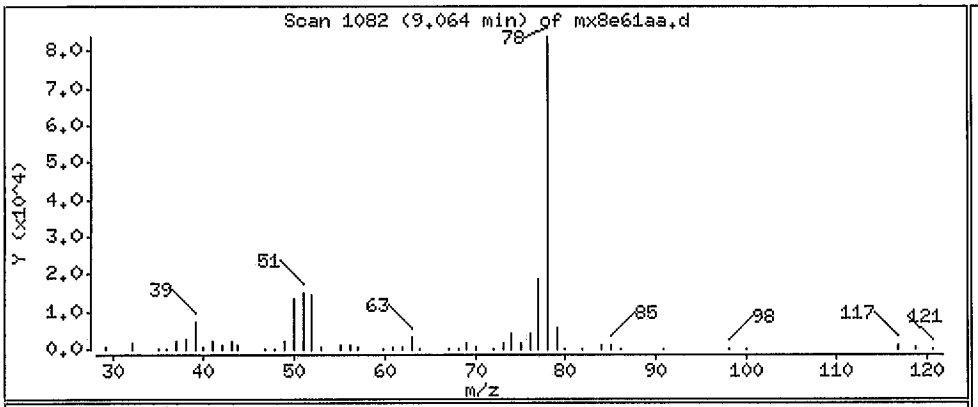
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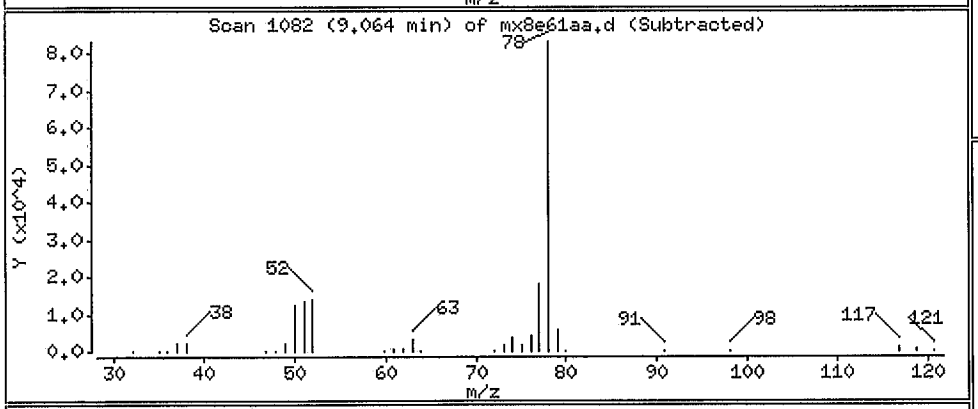
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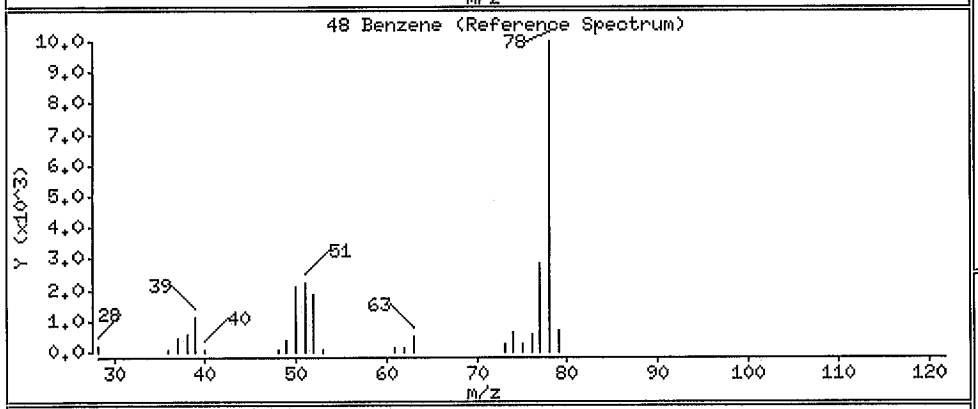
Purge Volume: 500.0 Operator: 403648

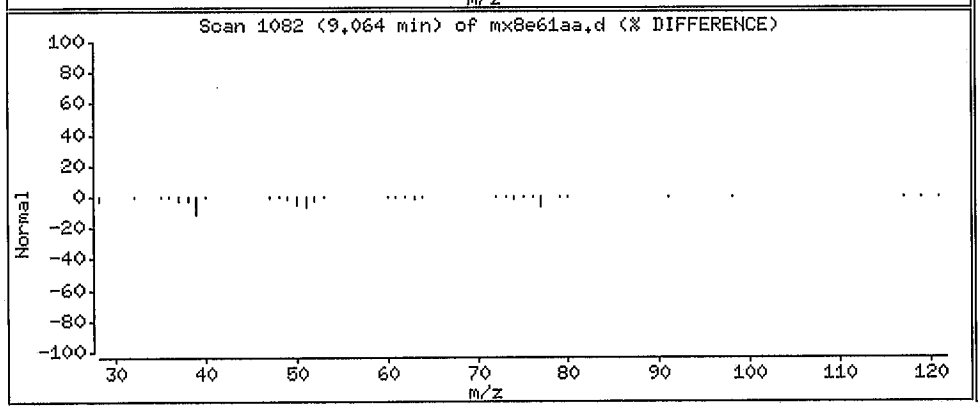
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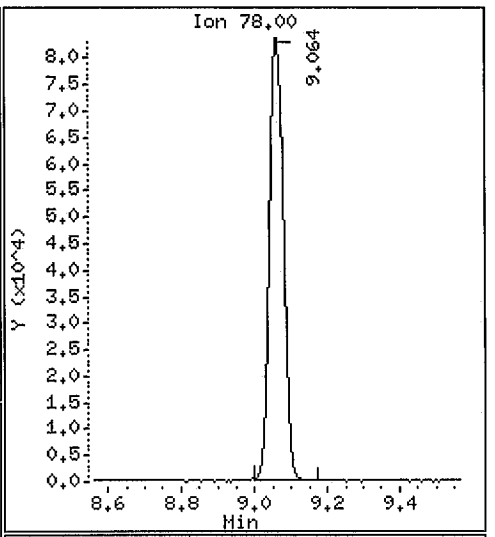
48 Benzene Concentration: 2.796 ppb(v/v)

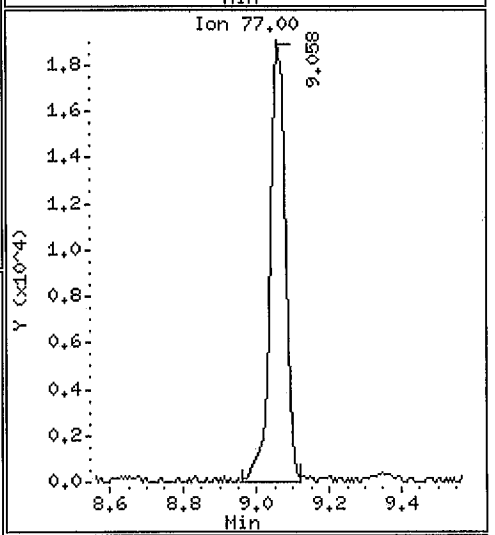


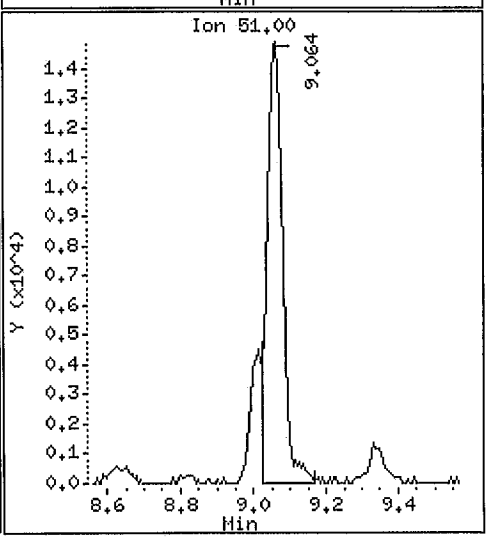












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

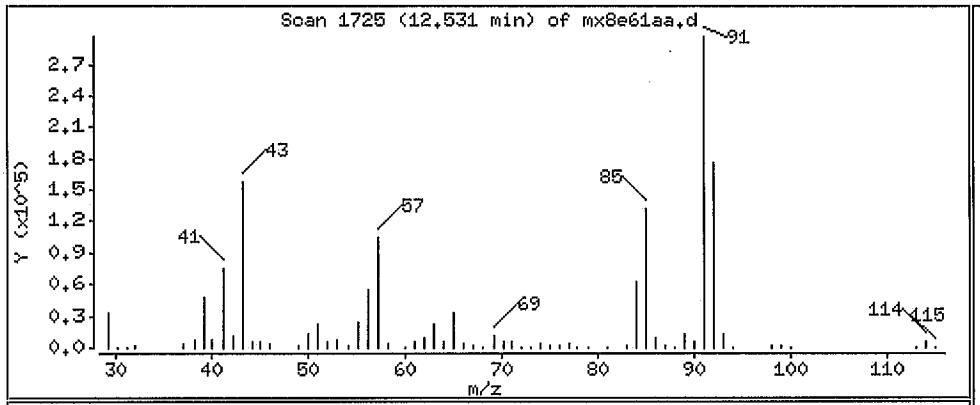
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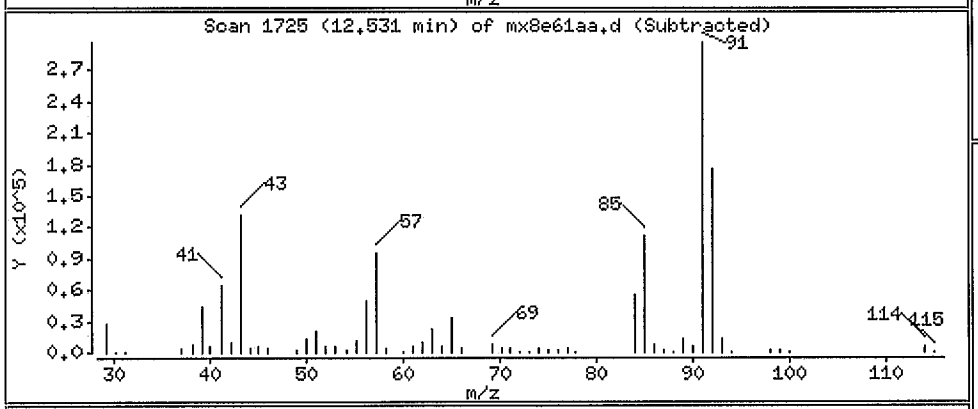
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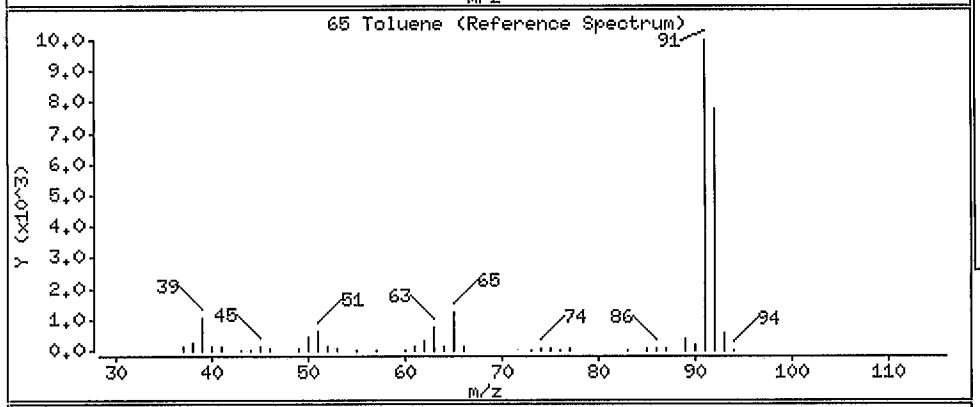
Purge Volume: 500.0 Operator: 403648

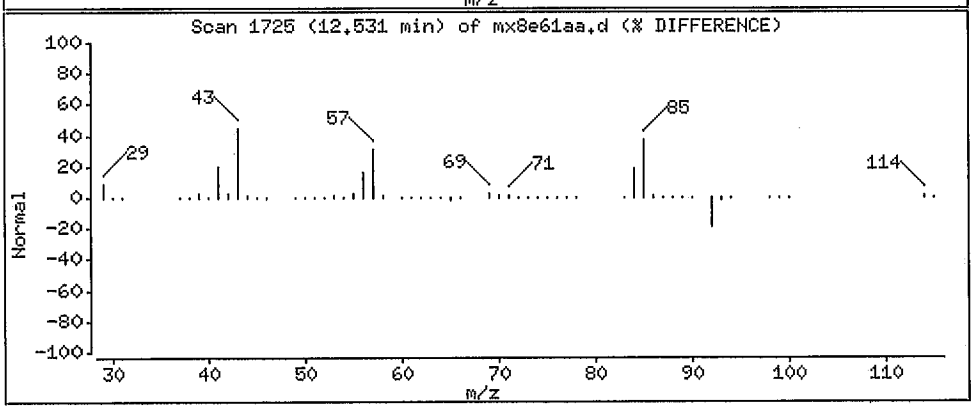
Column phase: Rtx-5 Column diameter: 0.32

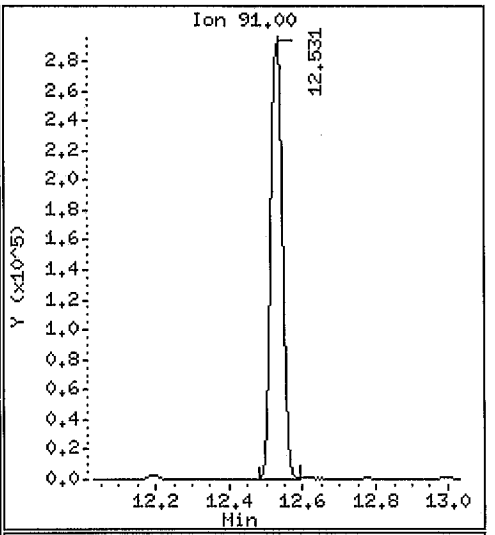
65 Toluene Concentration: 6.688 ppb(v/v)

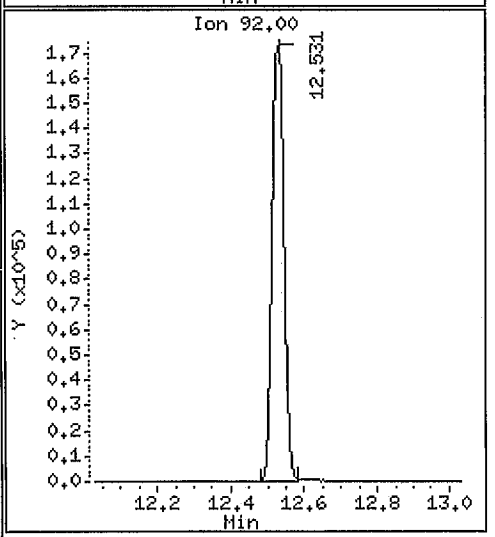












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

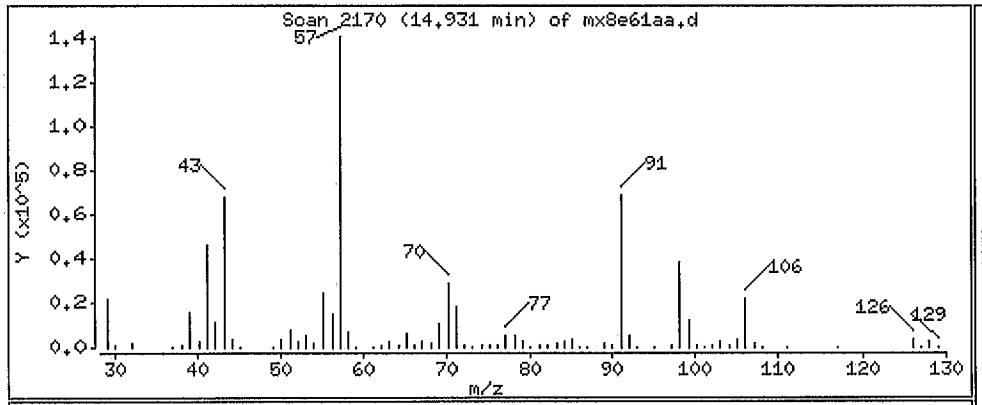
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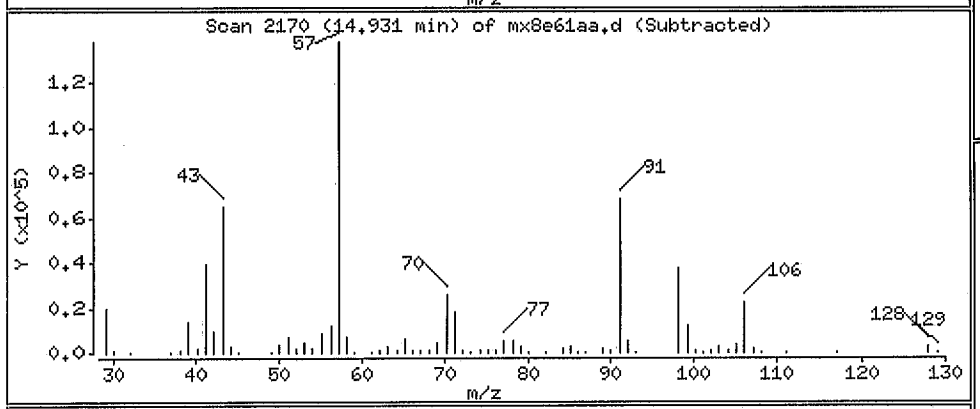
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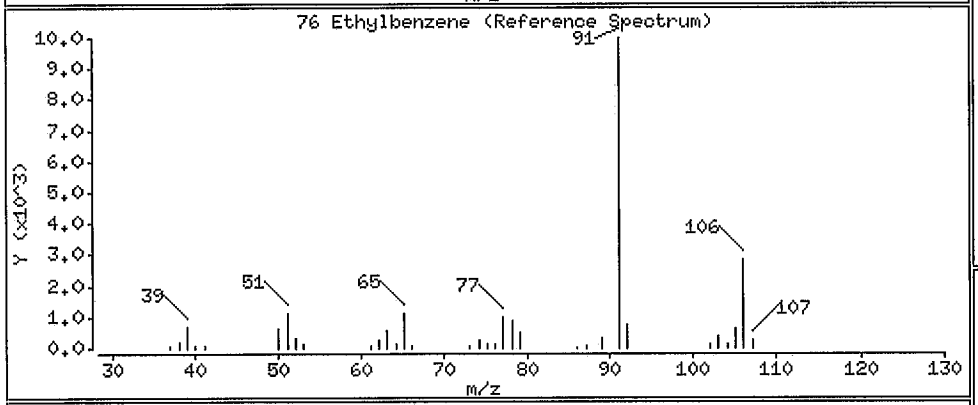
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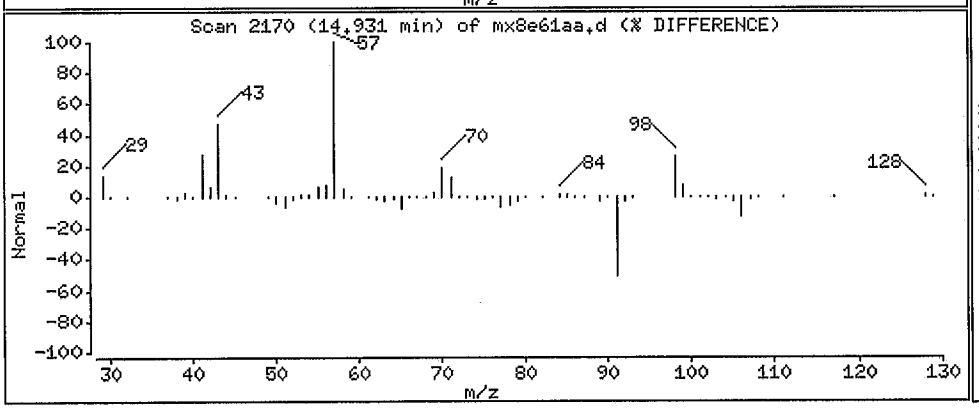
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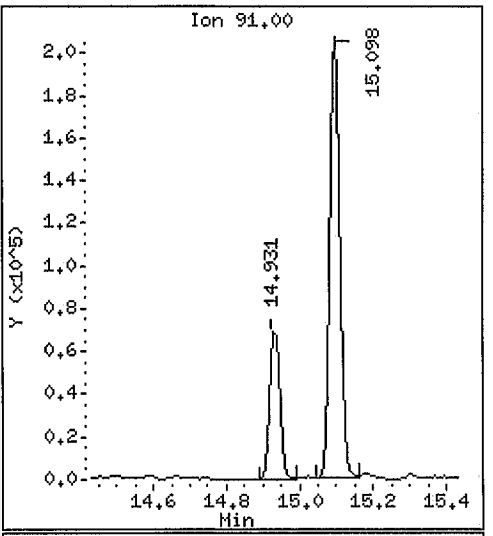
76 Ethylbenzene Concentration: 1.102 ppb(v/v)

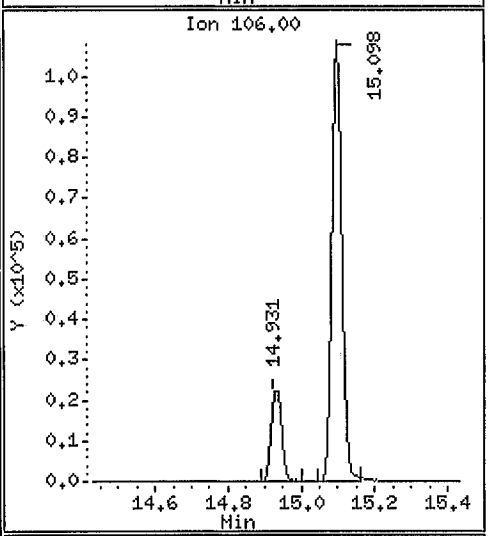


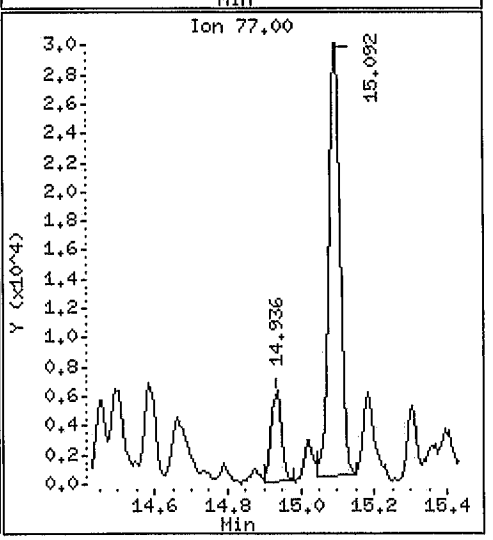












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

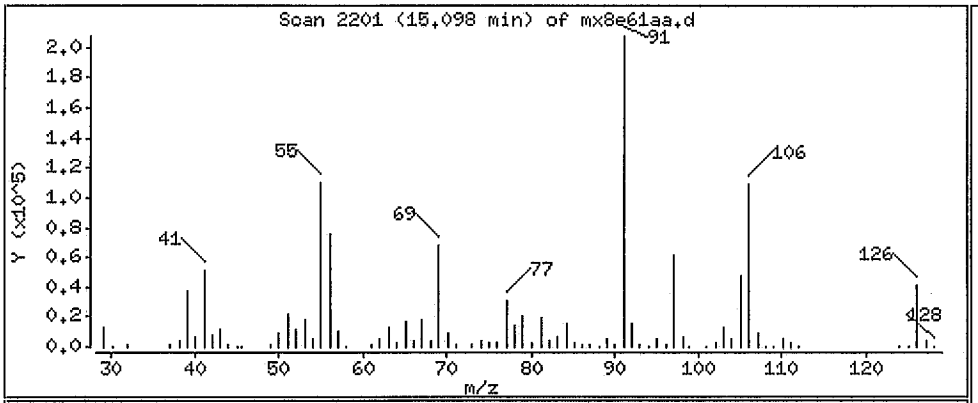
Client ID: 828076-SS-003B7-01 Instrument: mg.i

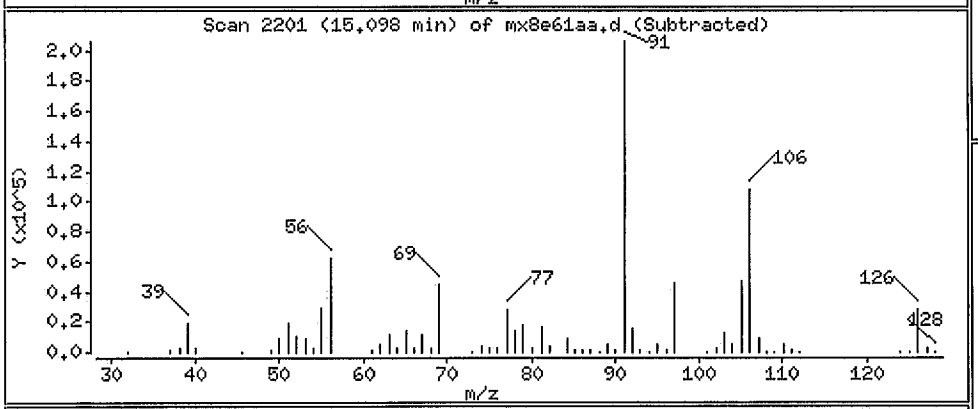
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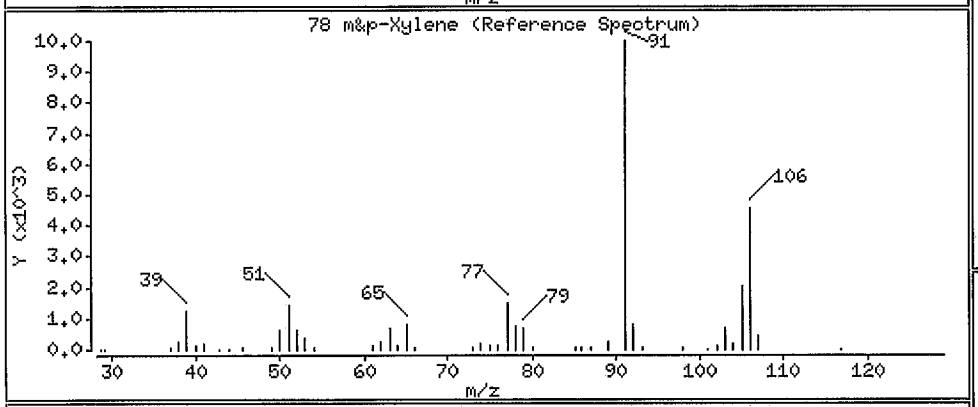
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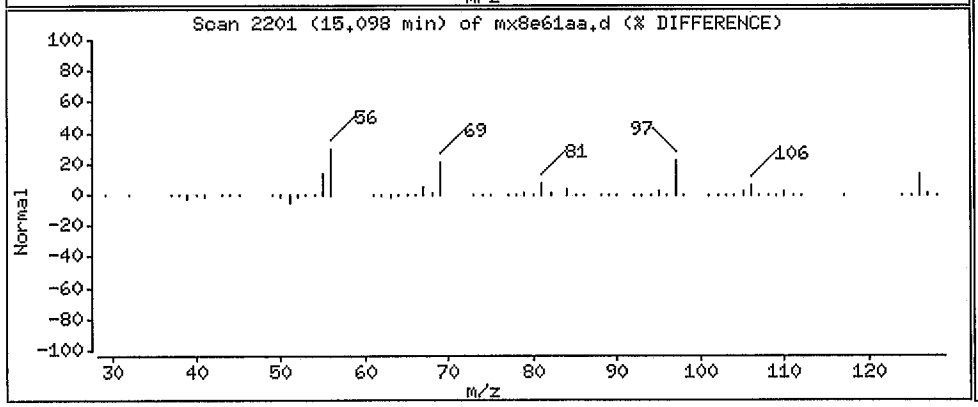
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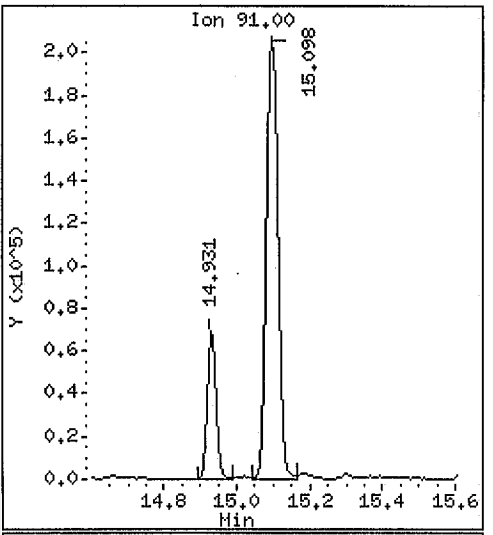
78 m&p-Xylene Concentration: 4.871 ppb(v/v)

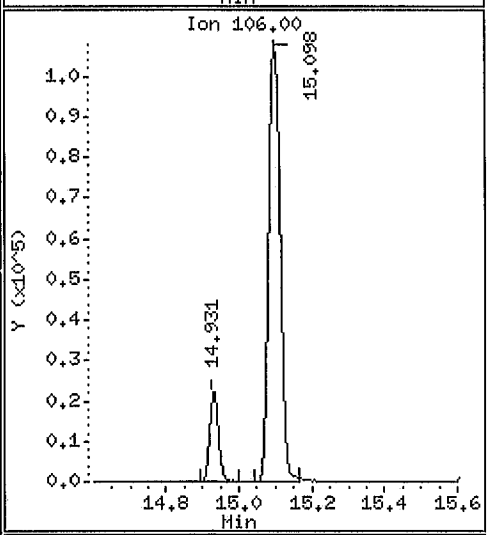


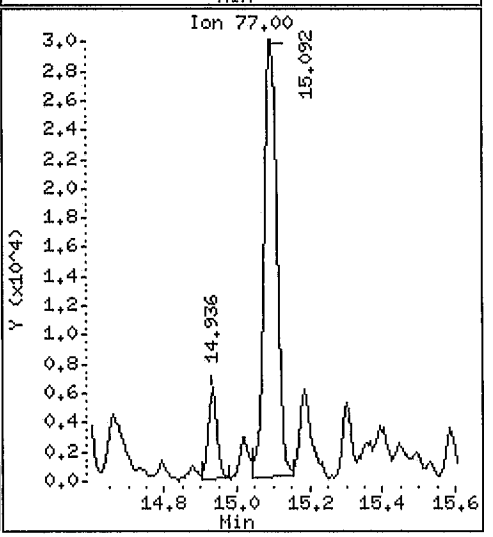












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

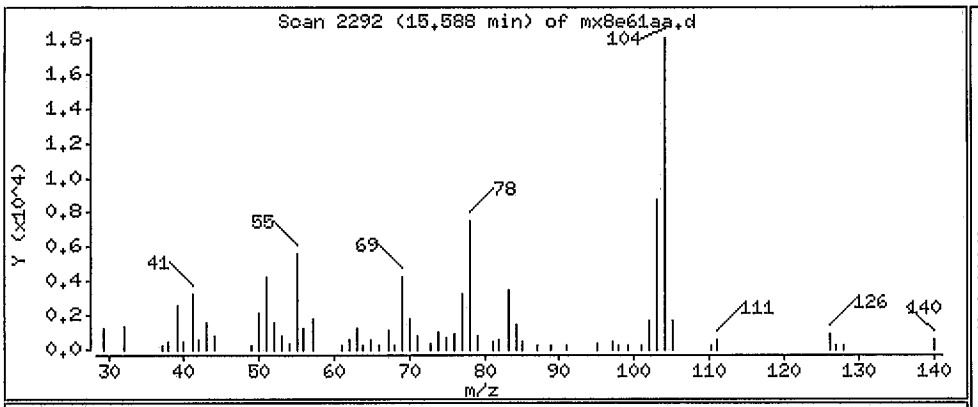
Client ID: 828076-SS-003B7-01 Instrument: mg.i

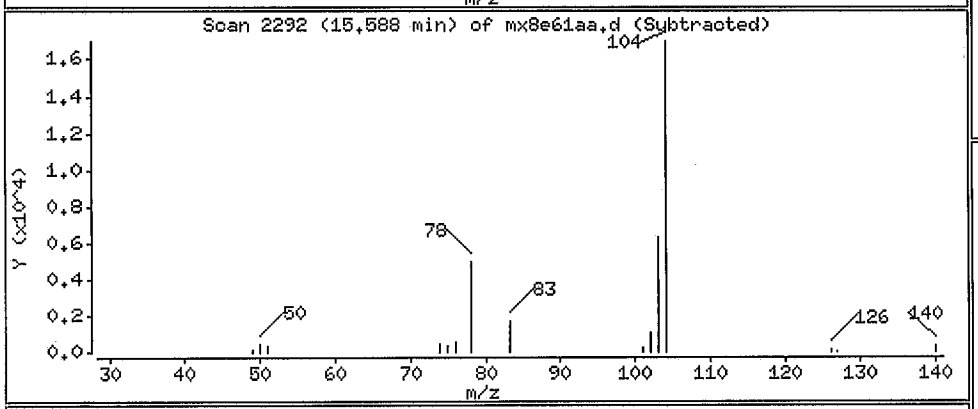
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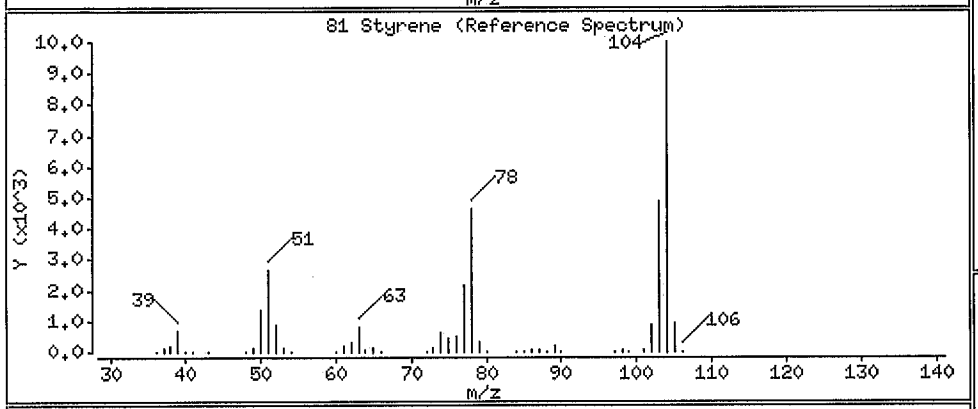
Purge Volume: 500.0 Operator: 403648

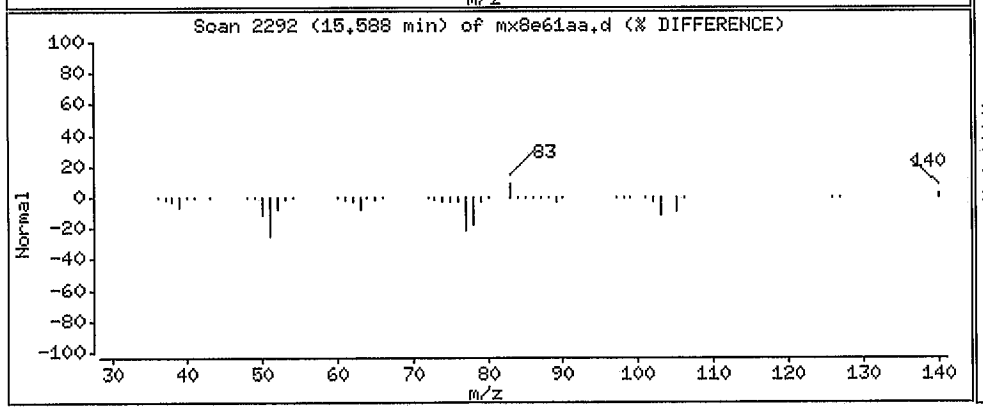
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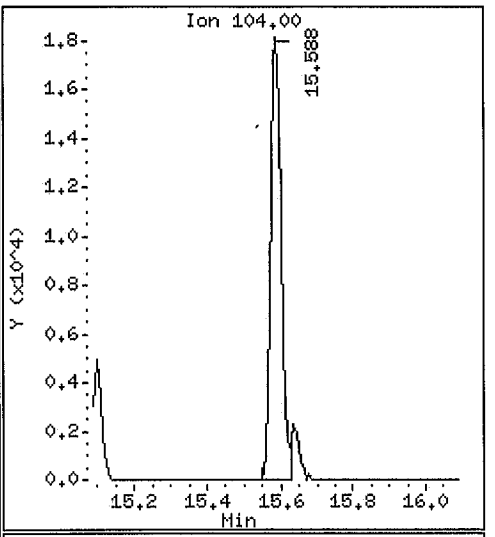
81 Styrene Concentration: 0.5349 ppb(v/v)

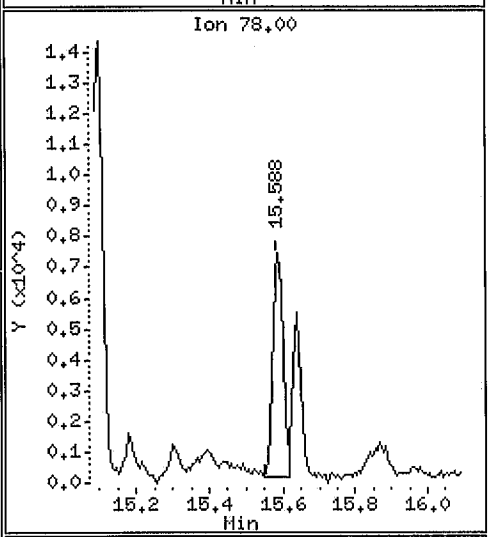


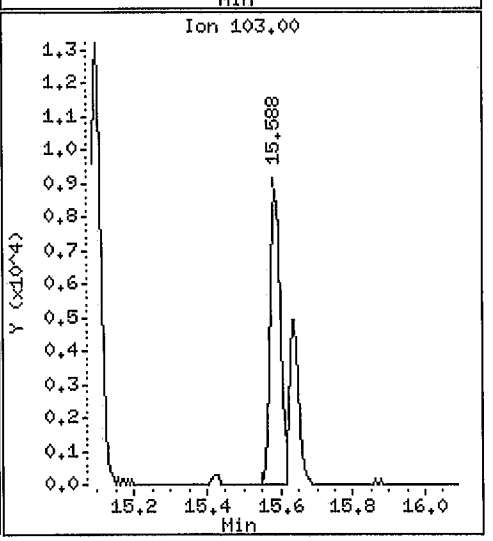












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

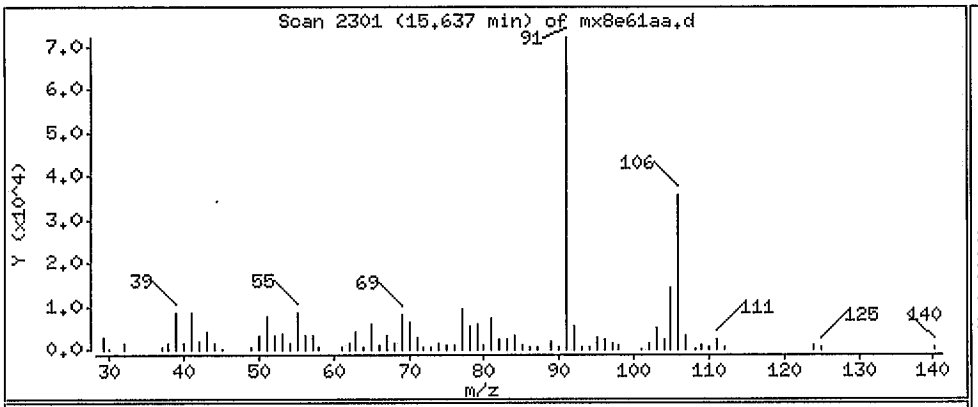
Client ID: 828076-SS-003B7-01 Instrument: mg.i

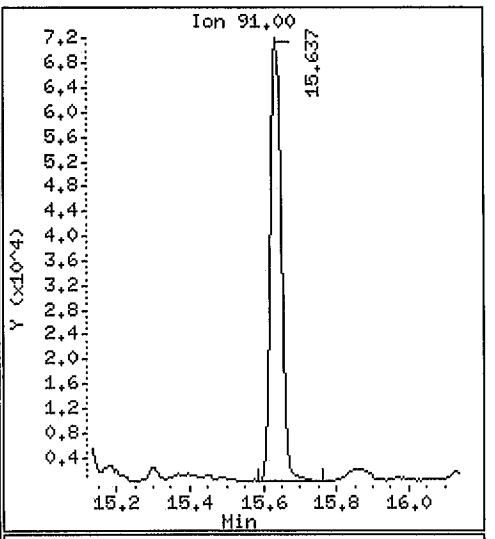
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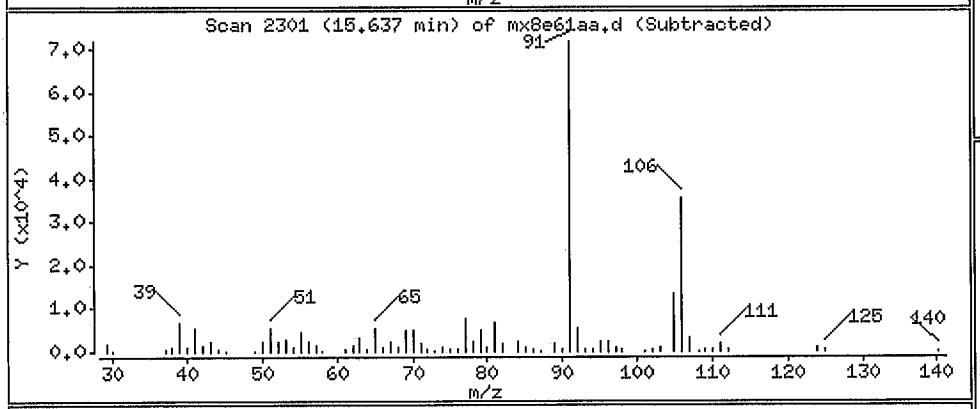
Purge Volume: 500.0 Operator: 403648

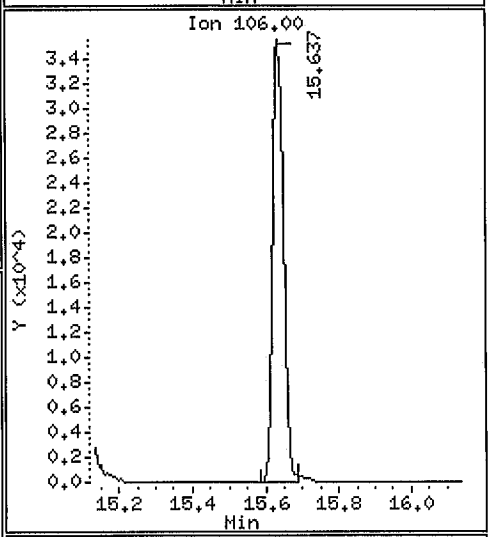
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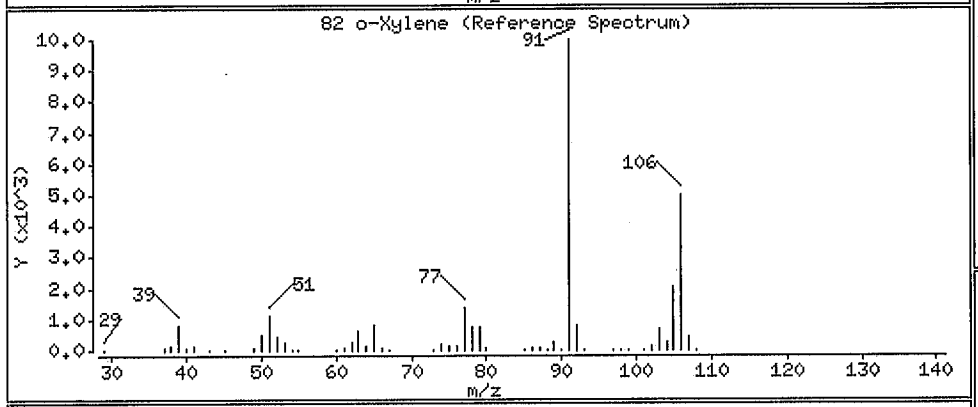
82 o-Xylene Concentration: 1.542 ppb(v/v)

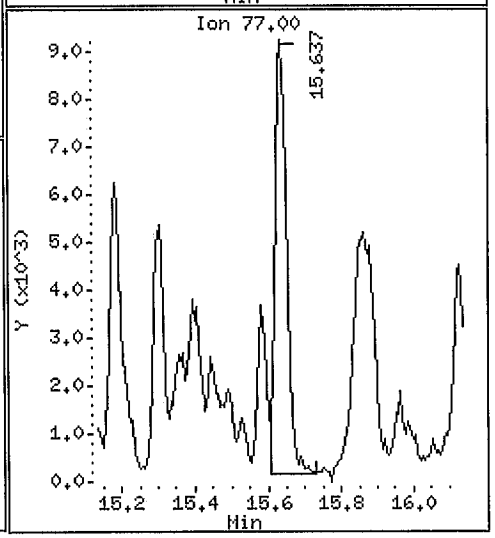


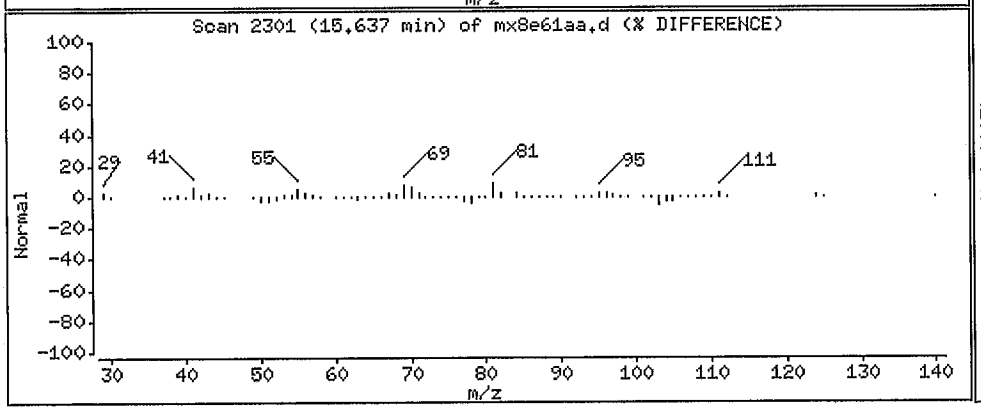












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

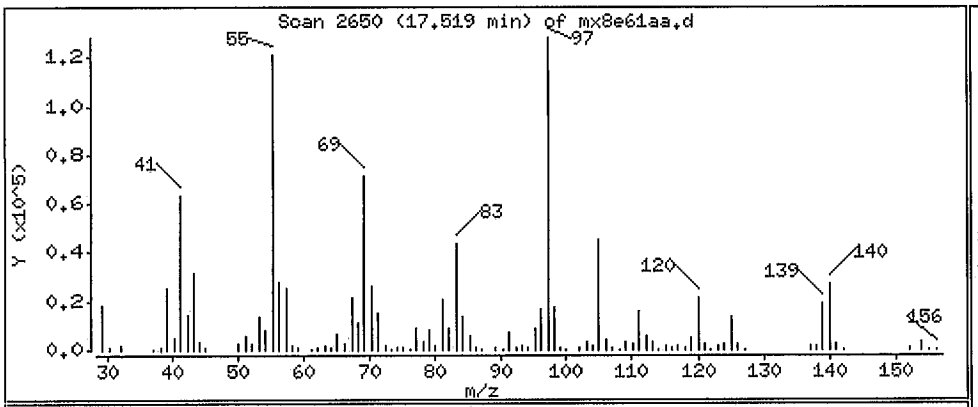
Client ID: 828076-SS-003B7-01 Instrument: mg.i

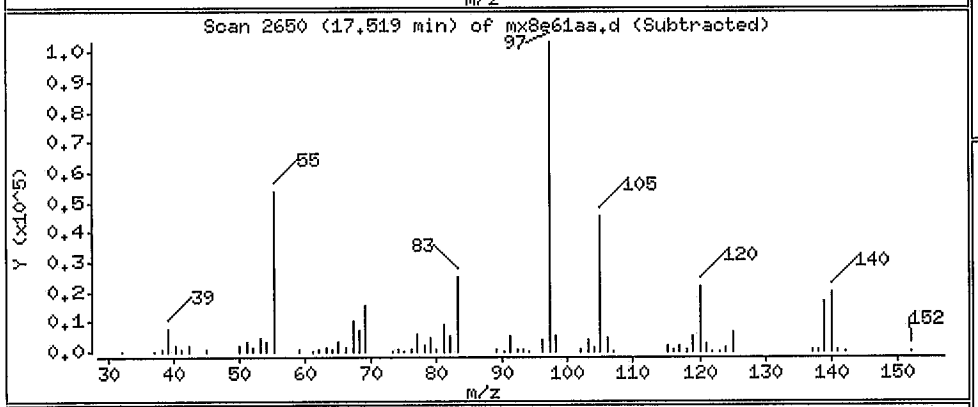
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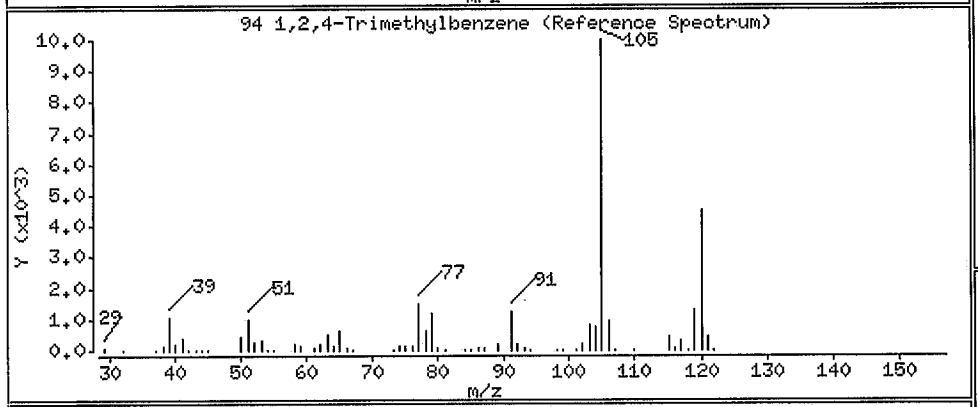
Purge Volume: 500.0 Operator: 403648

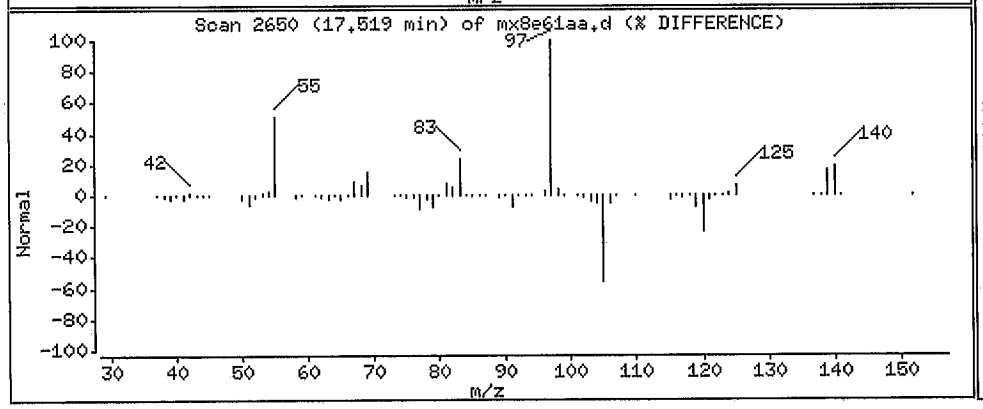
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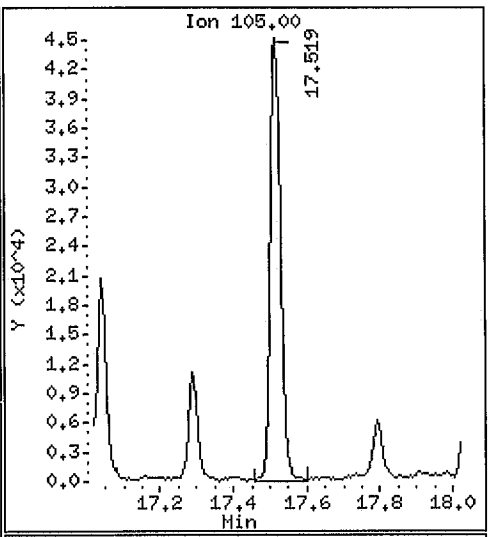
94 1,2,4-Trimethylbenzene Concentration: 0.8063 ppb(v/v)

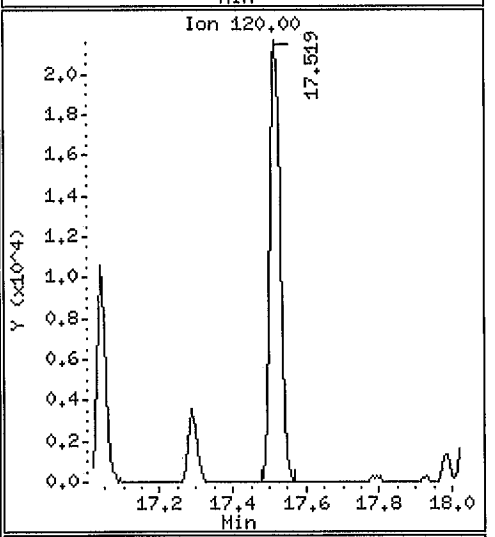


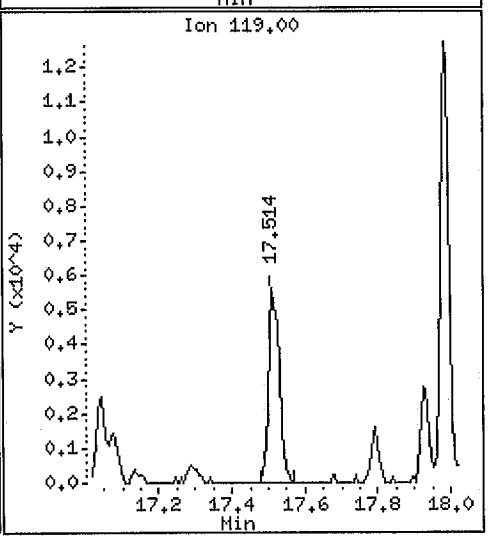












Data File: /var/chem/gcms/mg.i/G030213.b/mx8e61aa.d

Date : 03-MAR-2013 02:57

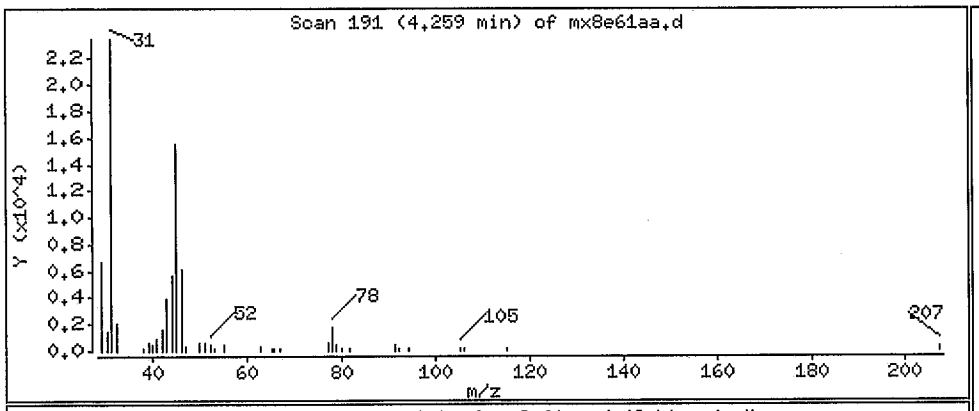
Client ID: 828076-SS-003B7-01 Instrument: mg.i

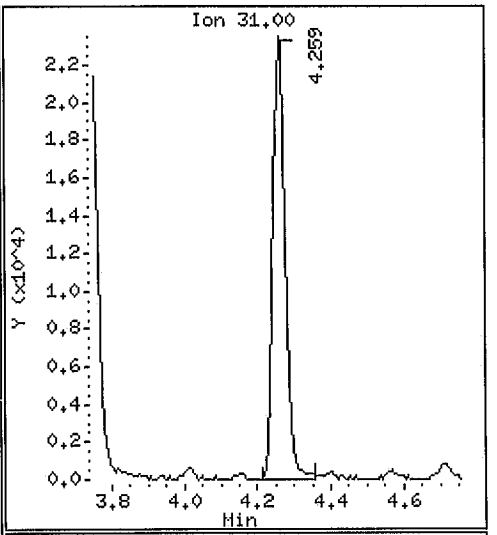
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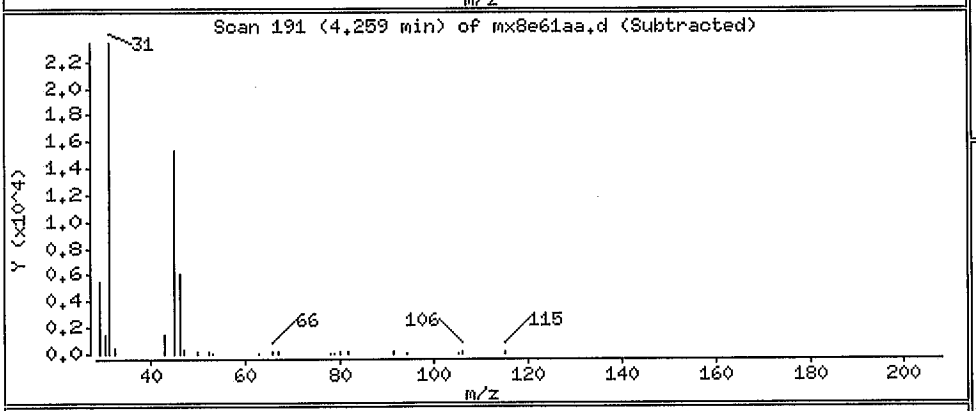
Purge Volume: 500.0 Operator: 403648

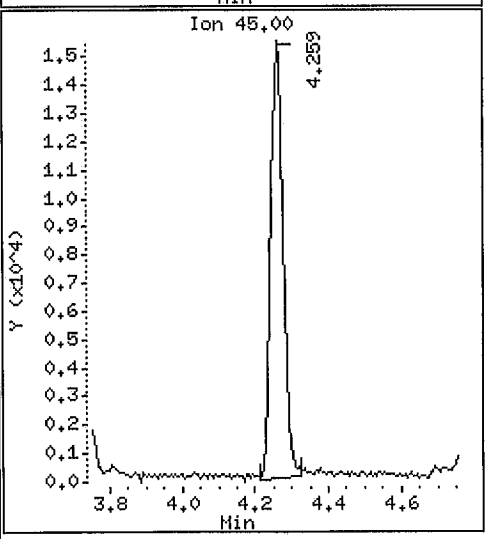
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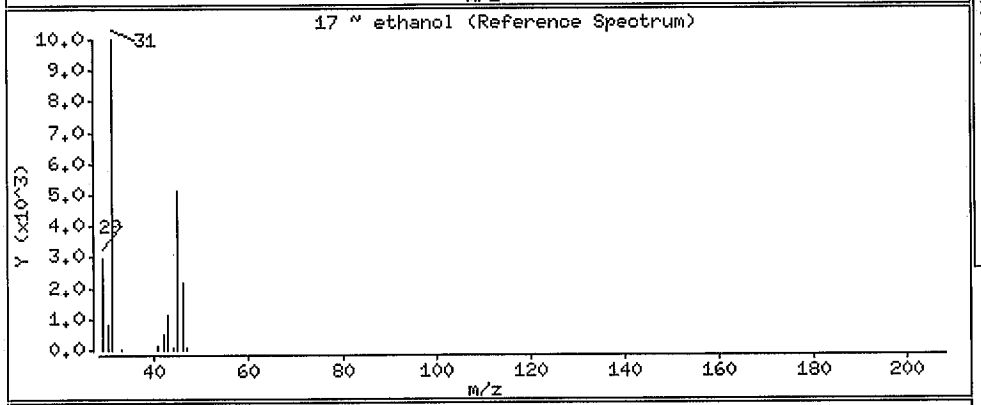
17 ~ ethanol Concentration: 7.465 ppb(v/v)

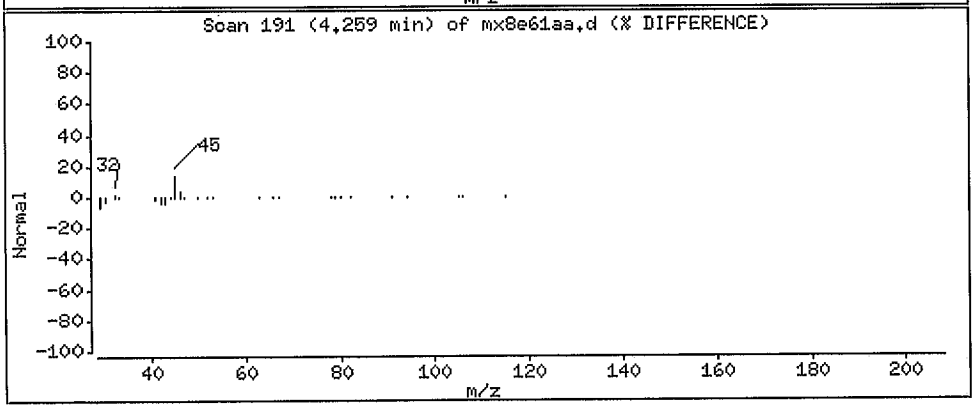












New York State D.E.C.

Client Sample ID: 828076-IA-003B7-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 024 **Work Order #** MX8E71AA **Matrix.....:** AIR

Date Sampled...: 02/22/2013 **Date Received..:** 02/28/2013
Prep Date.....: 02/28/2013 **Analysis Date...** 03/01/2013
Prep Batch #.....: 3060017
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.084**	**0.080**	**0.41**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.11**	**0.080**	**0.46**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.18**	**0.080**	**0.57**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.53**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.11**	**0.080**	**0.51**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.51**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.50**	**0.080**	**2.5**	**0.40**
Ethanol	**16**	**0.80**	**31**	**1.5**
Ethylbenzene	**0.10**	**0.080**	**0.44**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: 828076-IA-003B7-02

GC/MS Volatiles

Lot-Sample # H3B280421 - 024 **Work Order #** MX8E71AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.54**	**0.080**	**2.0**	**0.30**
m-Xylene & p-Xylene	**0.32**	**0.080**	**1.4**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.57**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.25**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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/mr.i/R022813.b/mx8e71aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d
Lab Smp Id: MX8E71AA Client Smp ID: 828076-IA-003B7-02
Inj Date : 01-MAR-2013 07:46
Operator : 403648 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022813,TO15,nysdec.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 01-Mar-2013 11:05 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.089	9.088	(1.000)	338488	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.267	11.272	(1.000)	1720554	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.479	17.495	(1.000)	1311898	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.208	20.224	(1.156)	943571	4.10811	4.108
	7 Dichlorodifluoromethane	85	4.241	4.241	(0.467)	177320	0.50272	0.5027
	8 Chloromethane	52	4.413	4.419	(0.486)	22149	0.51372	0.5137
	20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	84335	0.24610	0.2461
	33 Carbon Disulfide	76	6.829	6.824	(0.751)	5730	0.01471	0.01471 NA
	39 2-Butanone	72	8.366	8.344	(0.920)	14190	0.20880	0.2088
	43 Chloroform	83	9.110	9.105	(1.002)	28522	0.10512	0.1051
	44 Tetrahydrofuran	42	9.525	9.498	(1.048)	9200	0.06012	0.06012 NA
	46 1,2-Dichloroethane	62	10.194	10.194	(0.905)	21224	0.11266	0.1127
	48 Benzene	78	10.706	10.706	(0.950)	77182	0.17722	0.1772
	50 Carbon Tetrachloride	117	10.744	10.738	(0.954)	19116	0.08497	0.08497
	54 Heptane	71	11.963	11.968	(1.062)	11784	0.07711	0.07711 NA
	65 Toluene	91	14.632	14.632	(0.837)	293370	0.53897	0.5390

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d
Report Date: 01-Mar-2013 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
76 Ethylbenzene	91	18.045	18.067	(1.032)	68757	0.10059	0.1006
78 m&p-Xylene	91	18.310	18.336	(1.048)	170516	0.32314	0.3231
82 o-Xylene	91	19.178	19.194	(1.097)	71859	0.13200	0.1320
89 4-Ethyltoluene	105	21.437	21.453	(1.226)	24659	0.03060	0.03060
94 1,2,4-Trimethylbenzene	105	22.429	22.445	(1.283)	55947	0.08414	0.08414
17 ~ ethanol	31	5.233	5.222	(0.576)	755455	16.2732	16.27

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mx8e71aa.d
Lab Smp Id: MX8E71AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: 828076-IA-003B7-02
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	338488	-22.60
2 1,4-Difluorobenze	2178721	1296339	3061103	1720554	-21.03
3 Chlorobenzene-d5	1632809	971521	2294097	1311898	-19.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.00
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	-0.05
3 Chlorobenzene-d5	17.50	17.17	17.83	17.48	-0.09

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/mr.i/R022813.b/mx8e71aa.d
Report Date: 01-Mar-2013 11:07

TestAmerica Knoxville

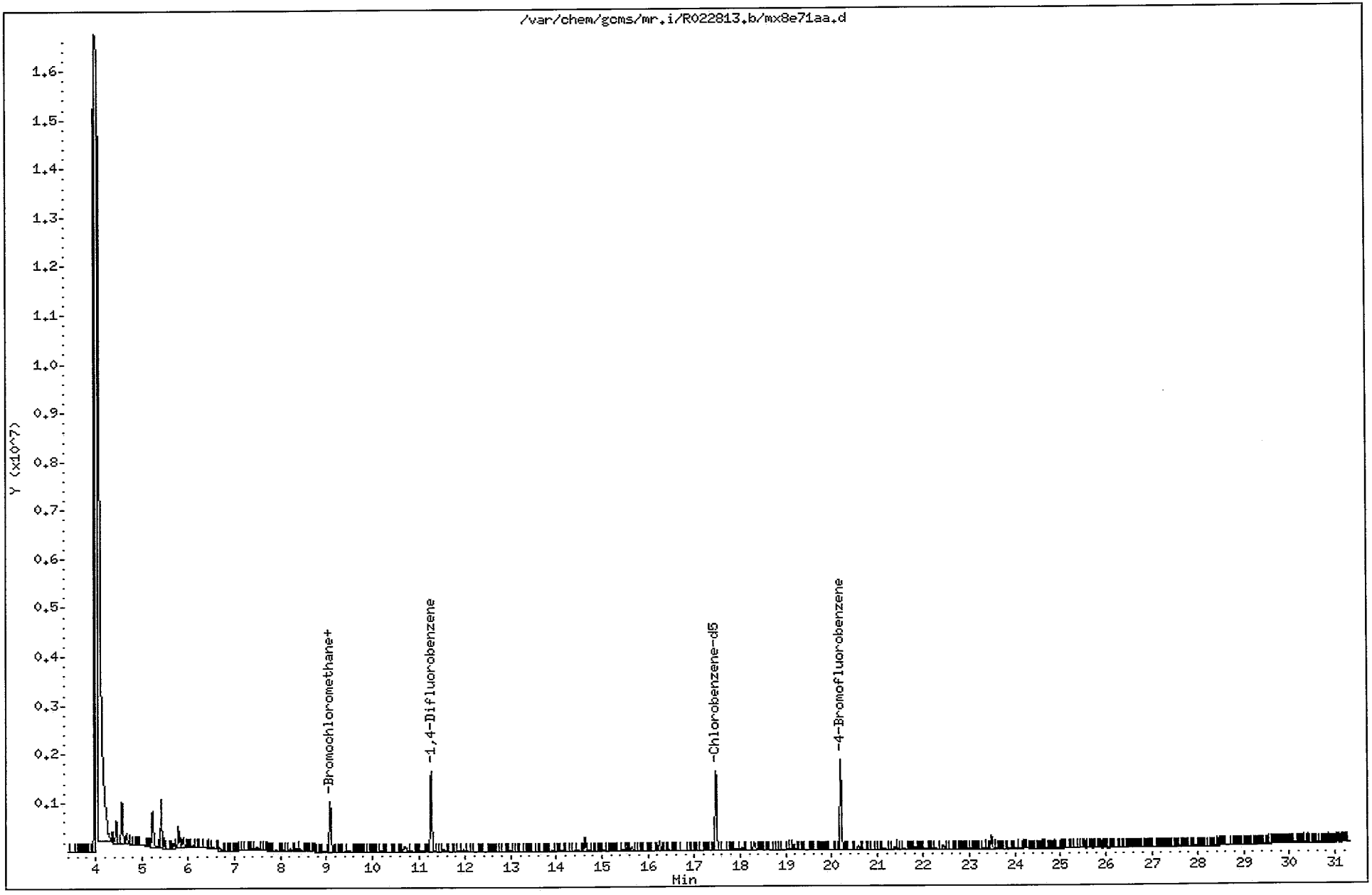
RECOVERY REPORT

Client Name: New York State D.E.C28-FEB-2013 00:00 Client SDG: H3B280421
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MX8E71AA Client Smp ID: 828076-IA-003B7-02
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,nysdec.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.108	102.70	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d
Date : 01-MAR-2013 07:46
Client ID: 828076-IA-003B7-02
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

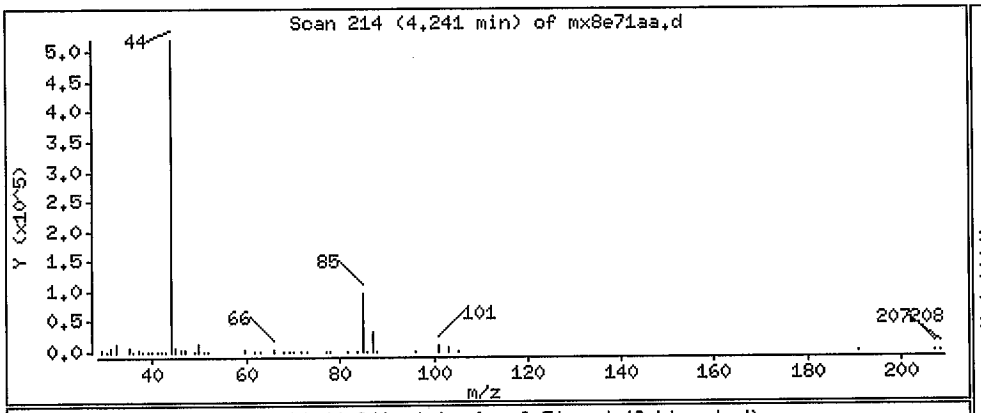
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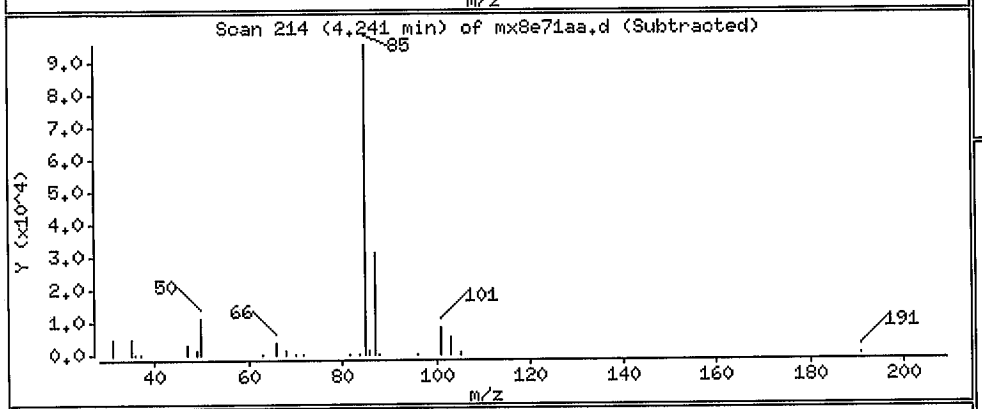
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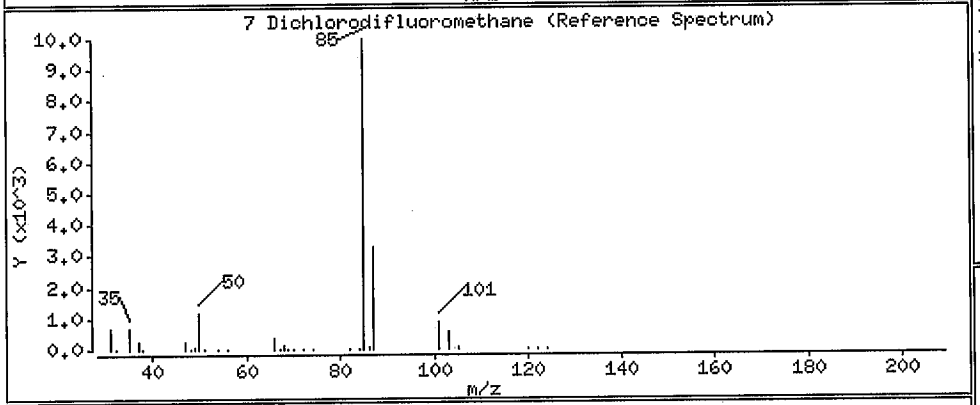
Purge Volume: 500.0 Operator: 403648

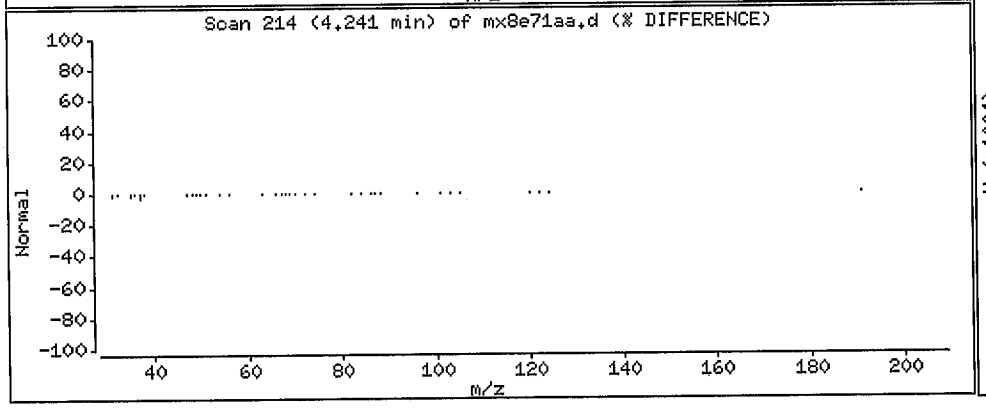
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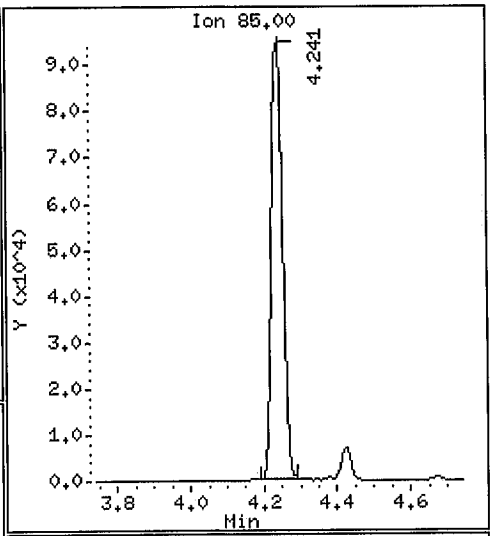
7 Dichlorodifluoromethane Concentration: 0.5027 ppb(v/v)

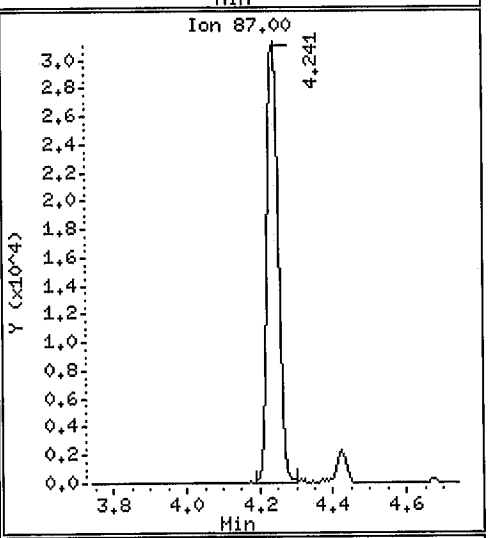


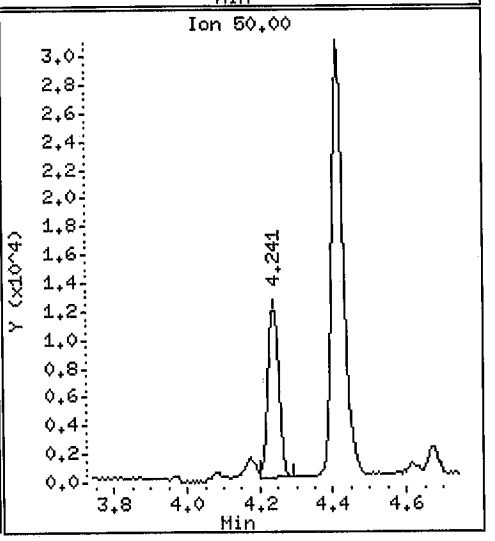












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

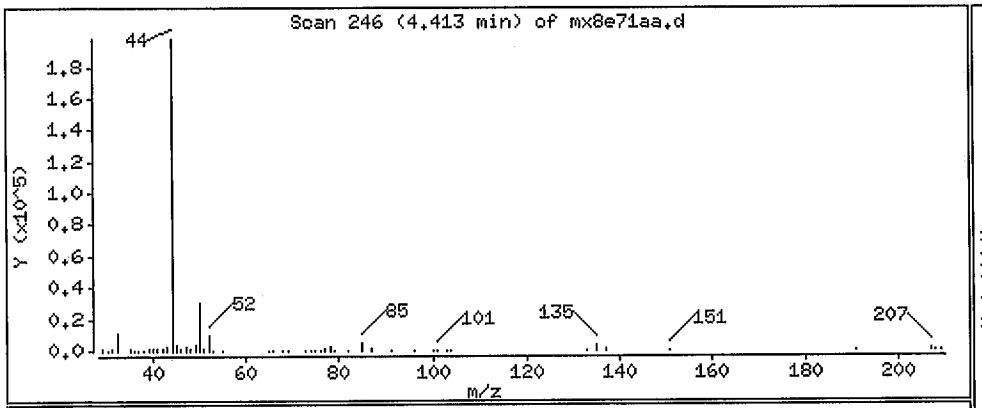
Client ID: 828076-IA-003B7-02 Instrument: mr.i

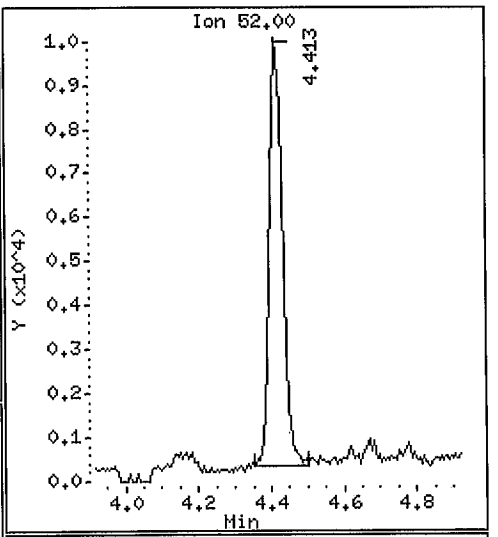
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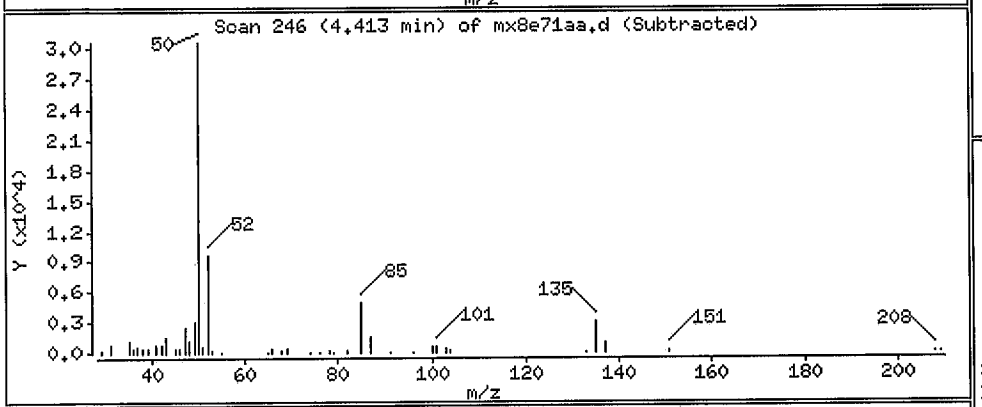
Purge Volume: 500.0 Operator: 403648

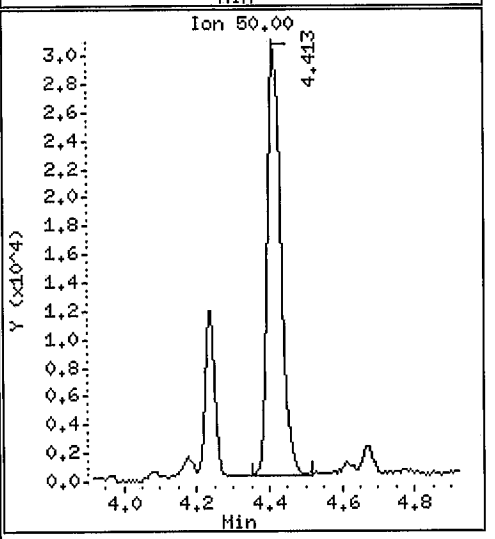
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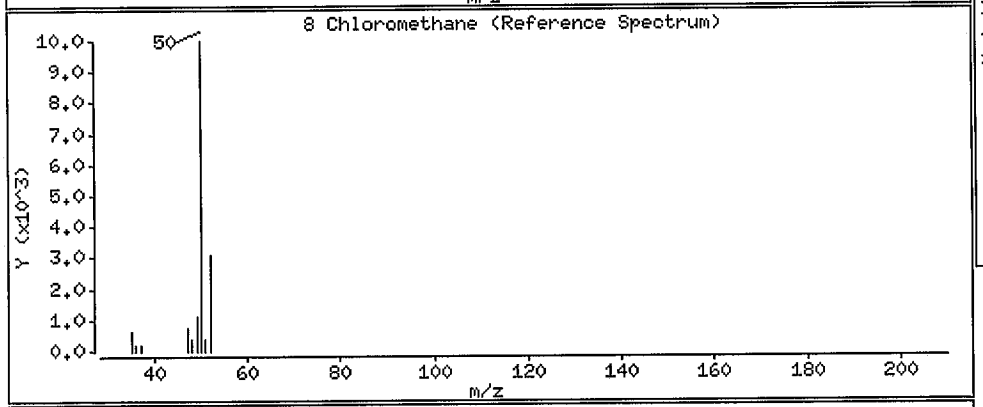
8 Chloromethane Concentration: 0.5137 ppb(v/v)

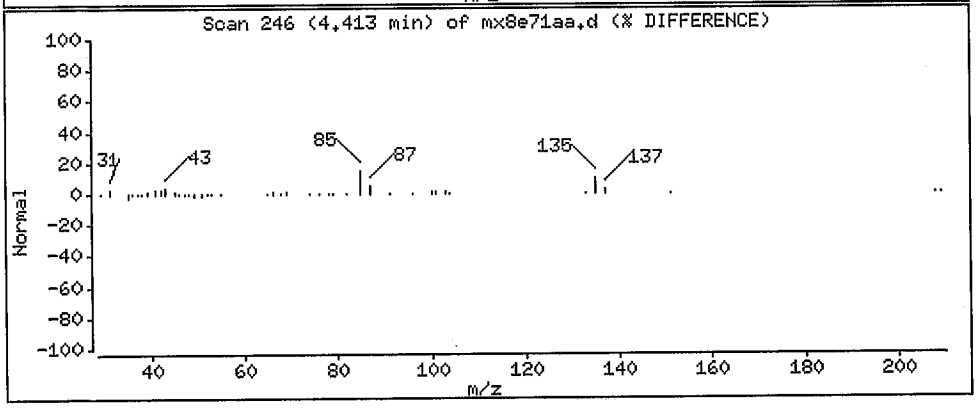












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

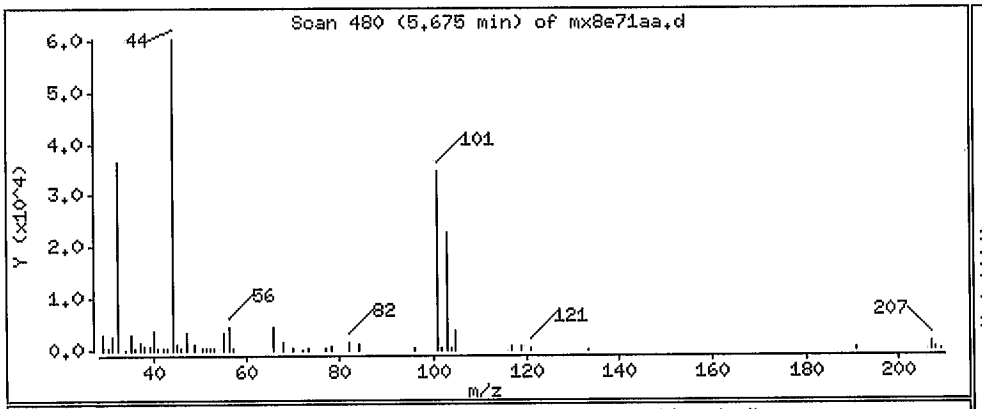
Client ID: 828076-IA-003B7-02 Instrument: mr.i

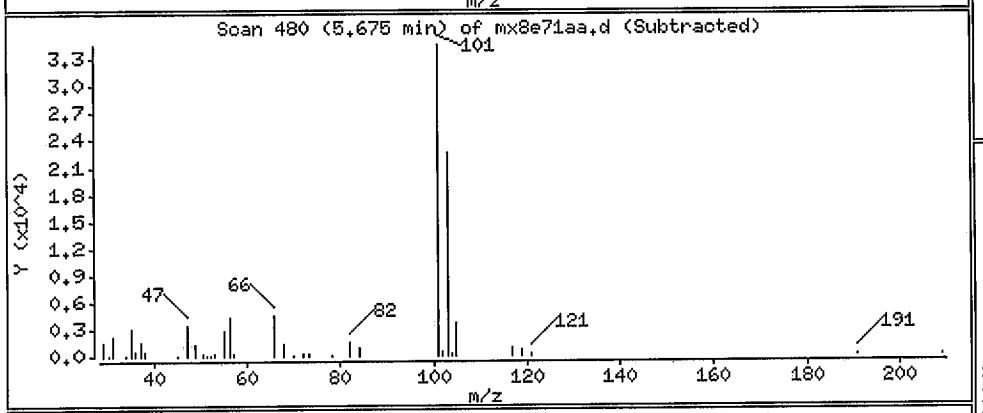
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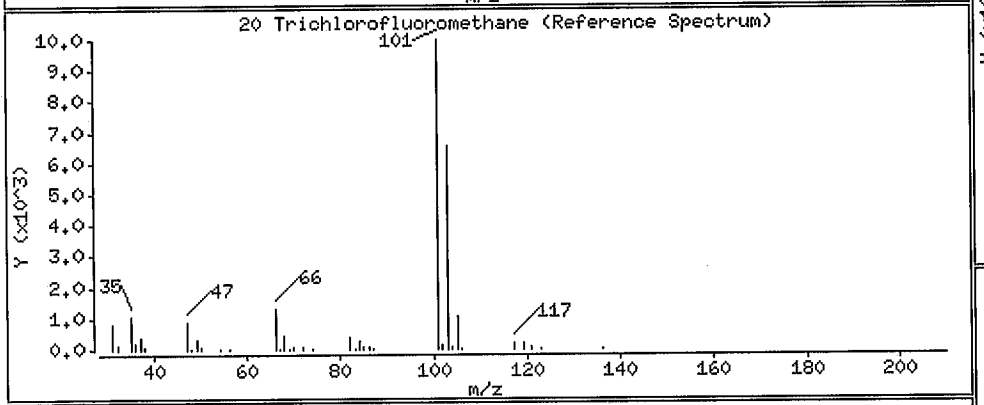
Purge Volume: 500.0 Operator: 403648

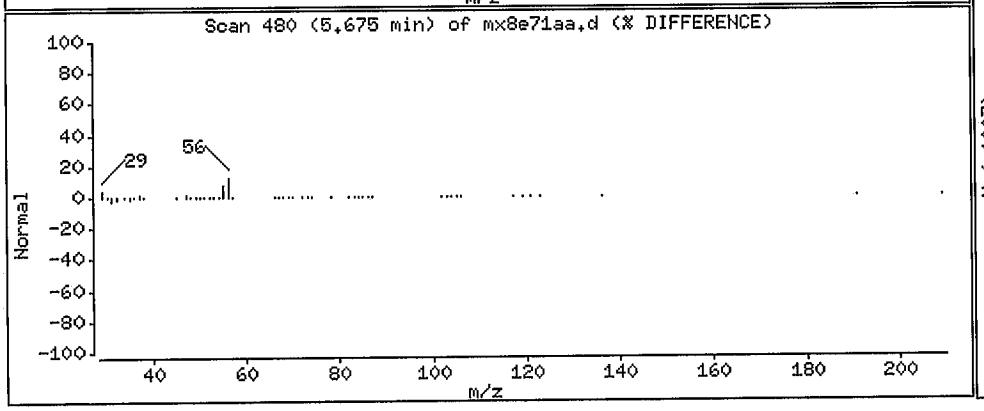
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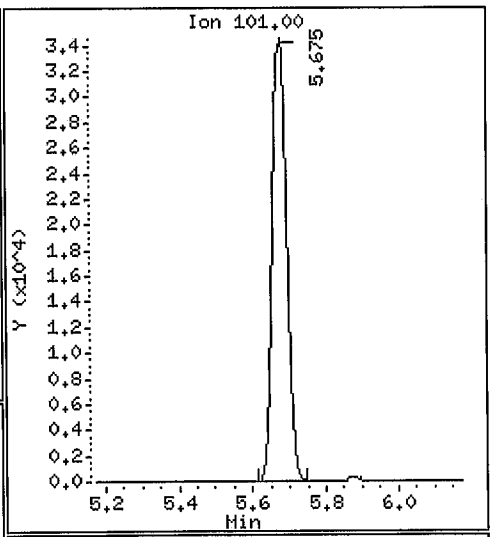
20 Trichlorofluoromethane Concentration: 0.2461 ppb(v/v)

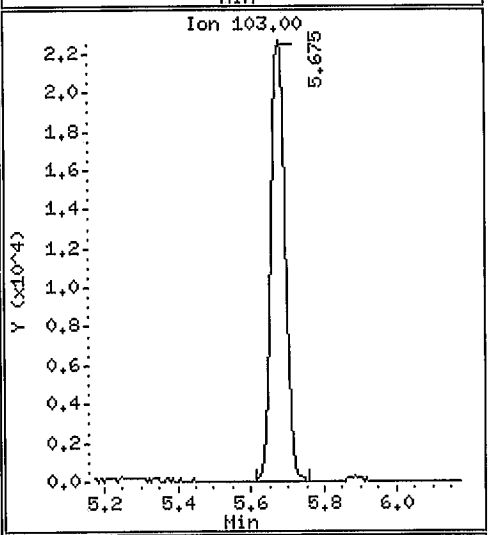


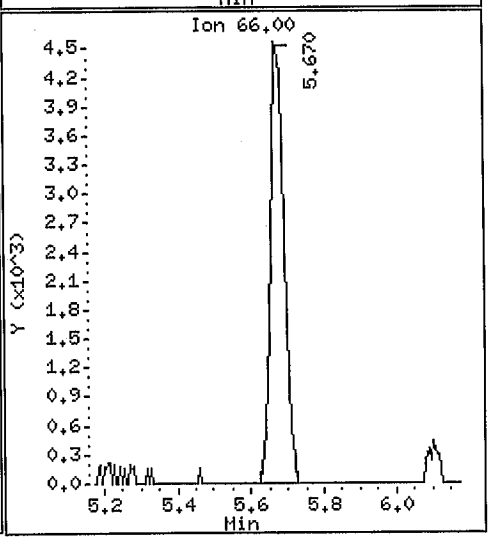












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

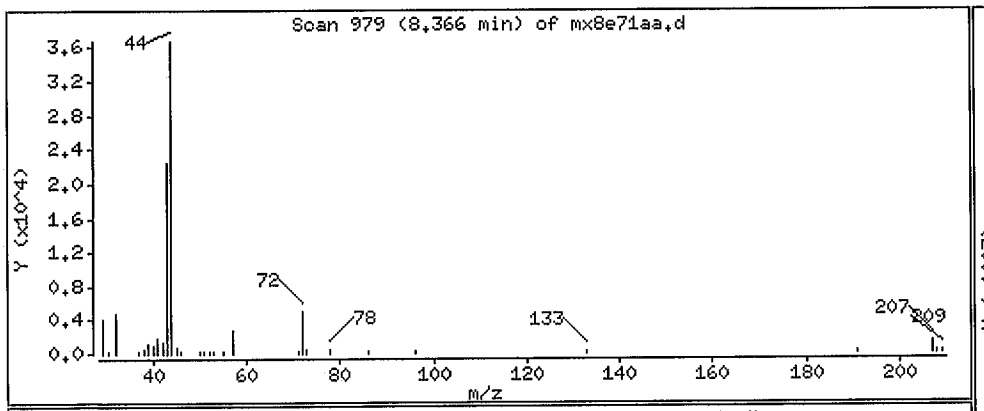
Client ID: 828076-IA-003B7-02 Instrument: mr.i

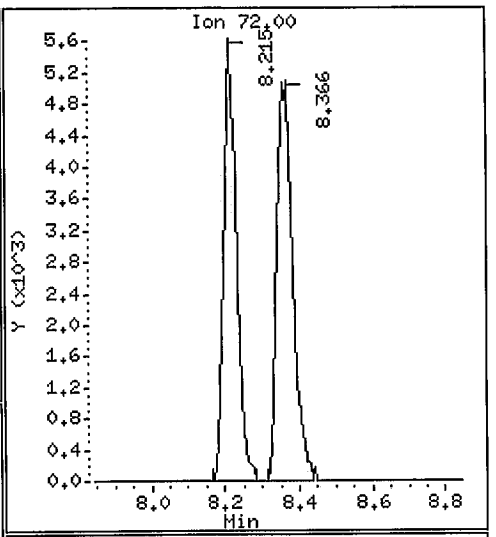
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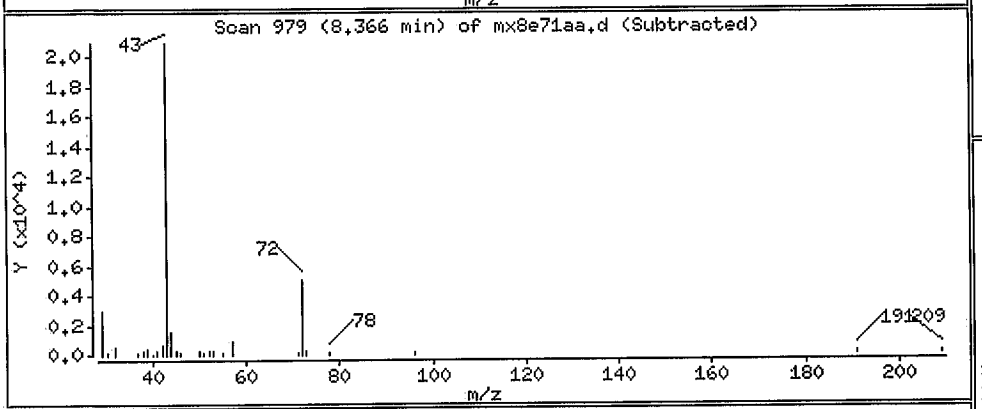
Purge Volume: 500.0 Operator: 403648

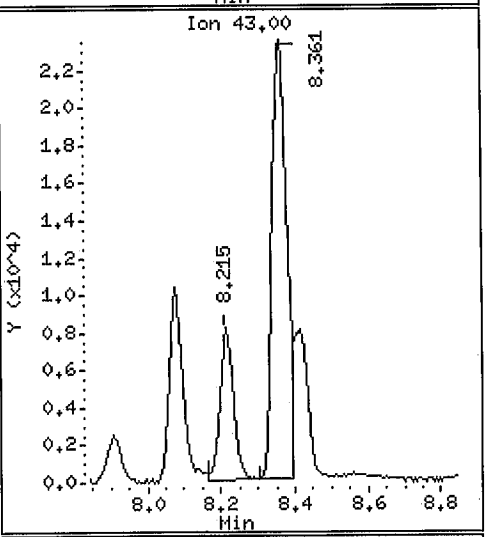
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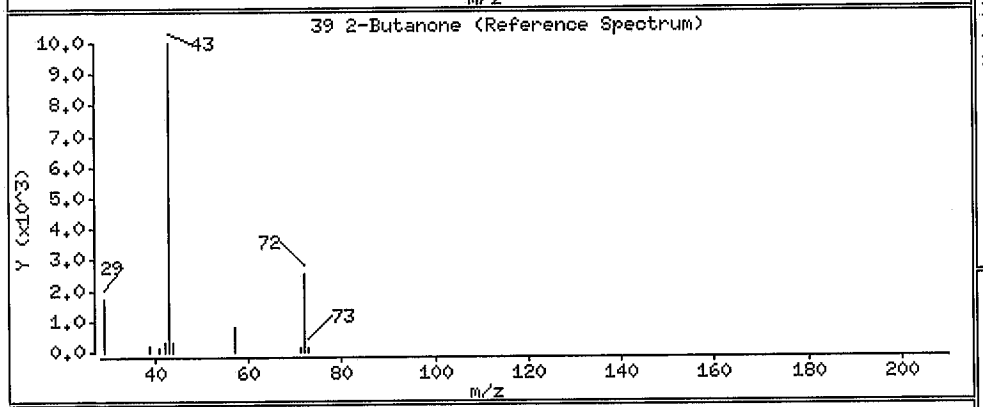
39 2-Butanone Concentration: 0.2088 ppb(v/v)

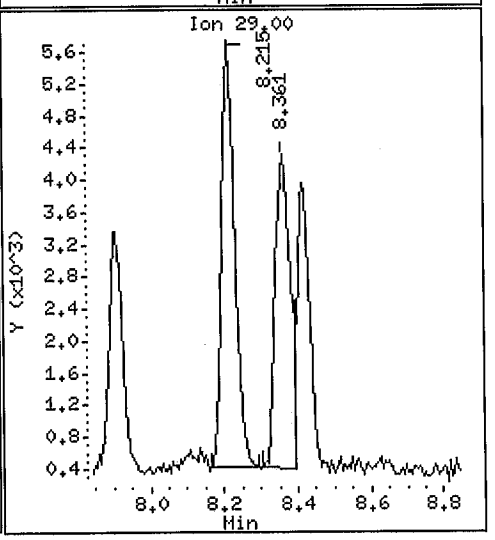


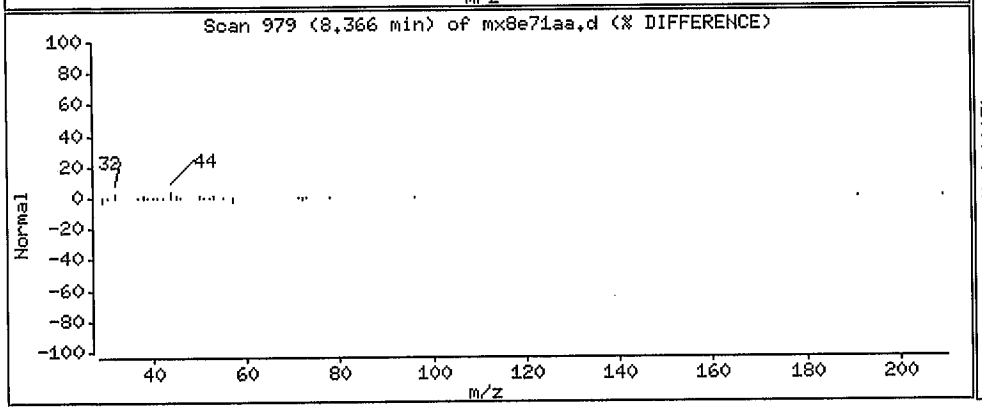












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

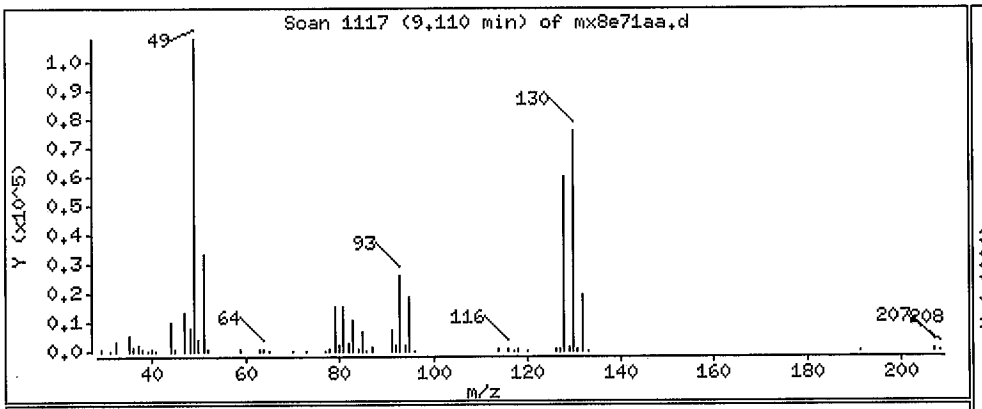
Client ID: 828076-IA-003B7-02 Instrument: mr.i

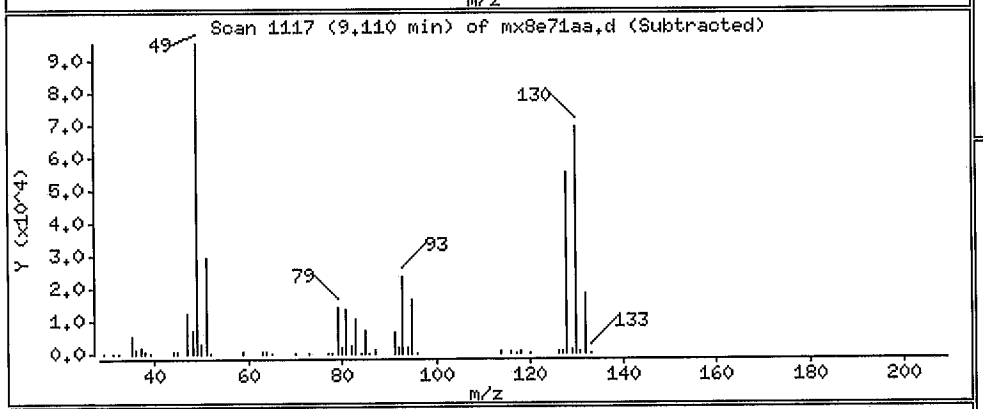
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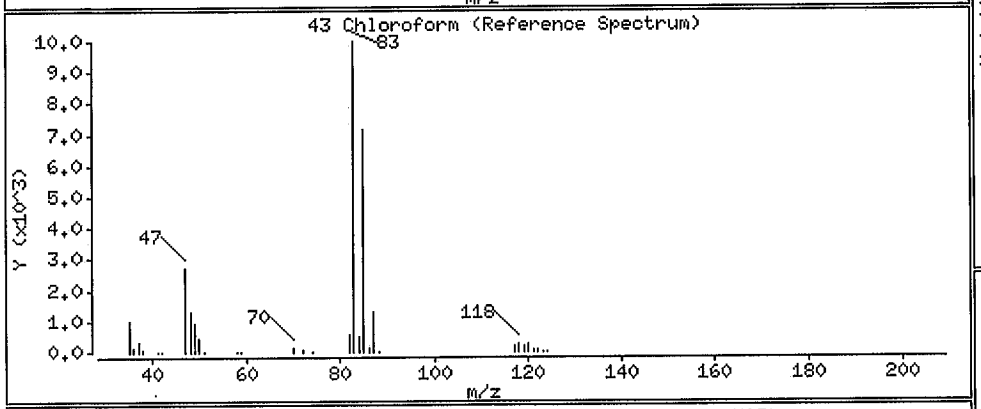
Purge Volume: 500.0 Operator: 403648

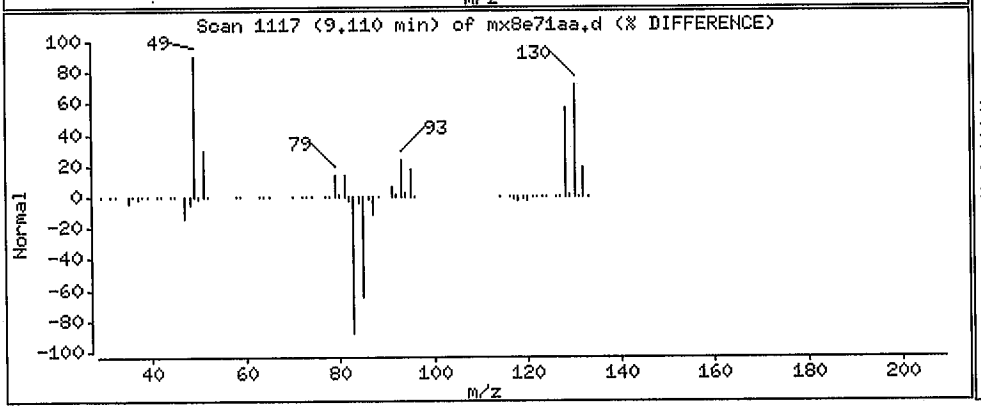
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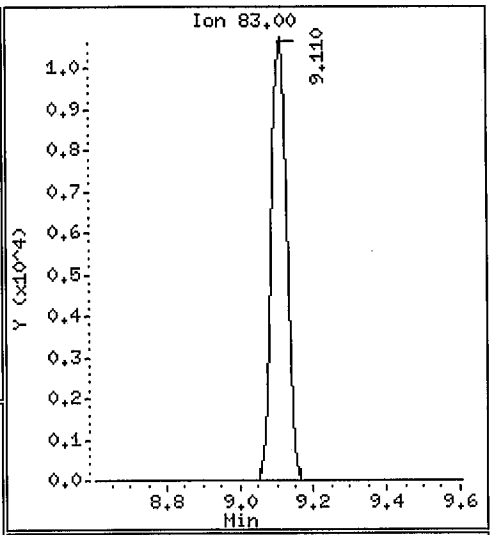
43 Chloroform Concentration: 0.1051 ppb(v/v)

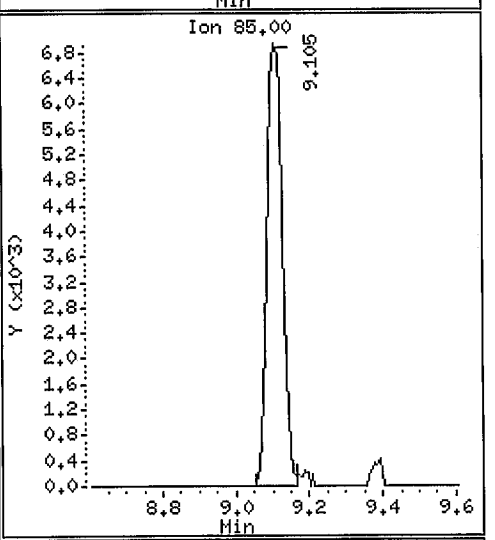


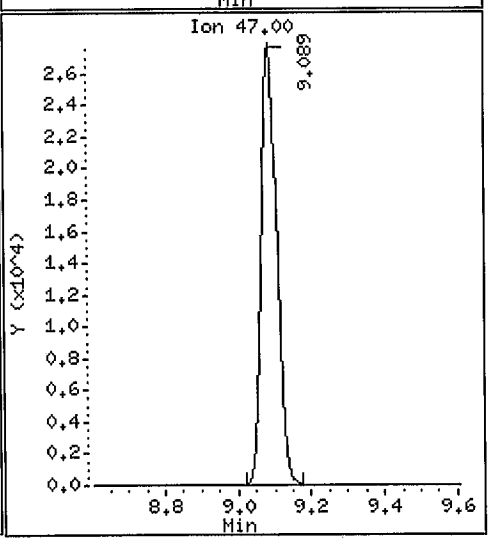












Data File: /var/chem/goms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

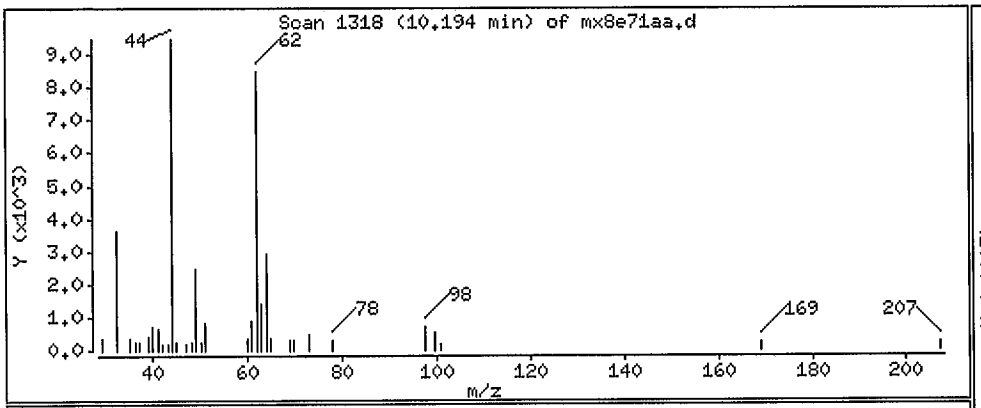
Client ID: 828076-IA-003B7-02 Instrument: mr.i

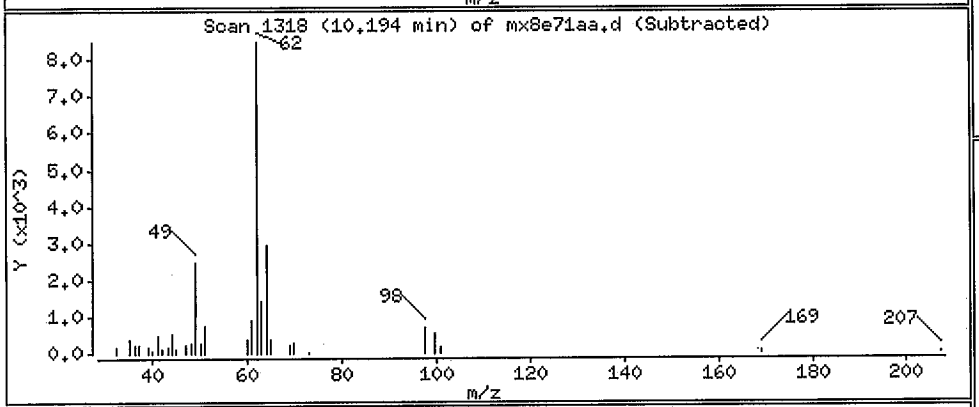
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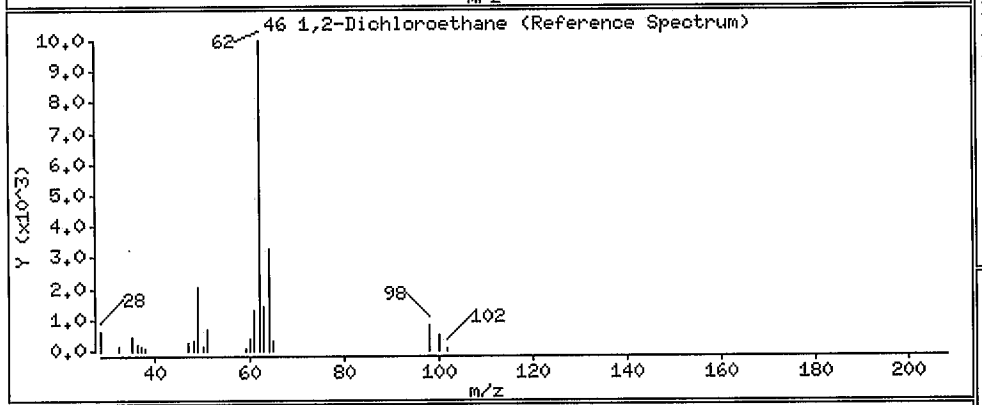
Purge Volume: 500.0 Operator: 403648

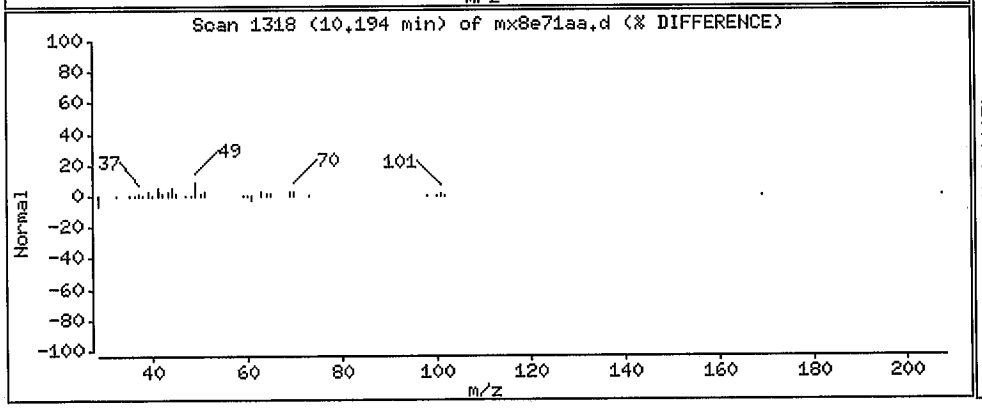
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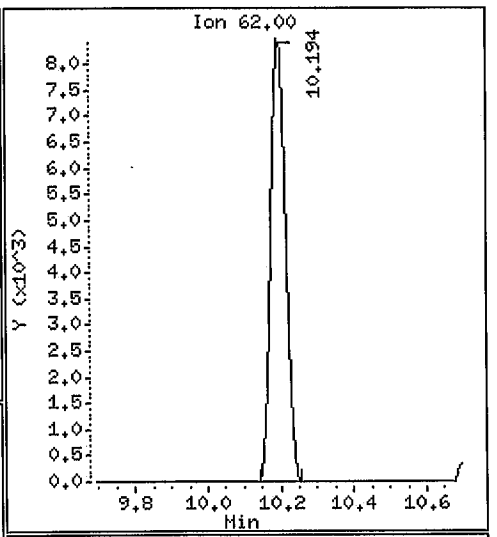
46 1,2-Dichloroethane Concentration: 0.1127 ppb(v/v)

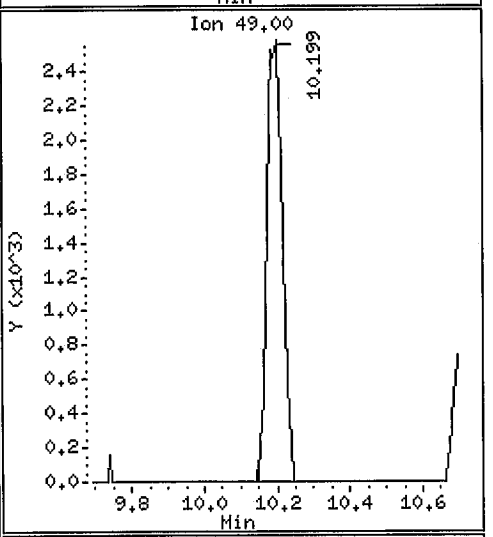


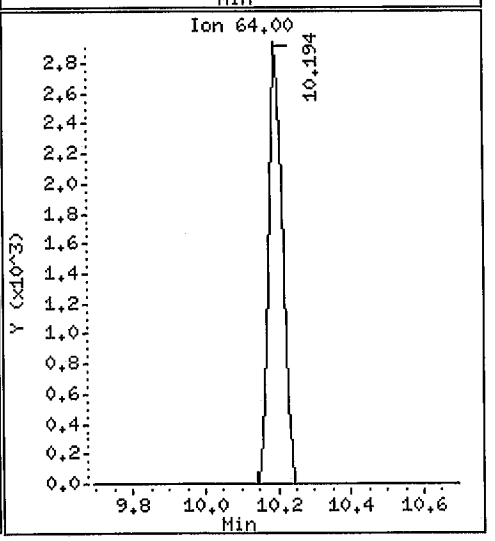












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

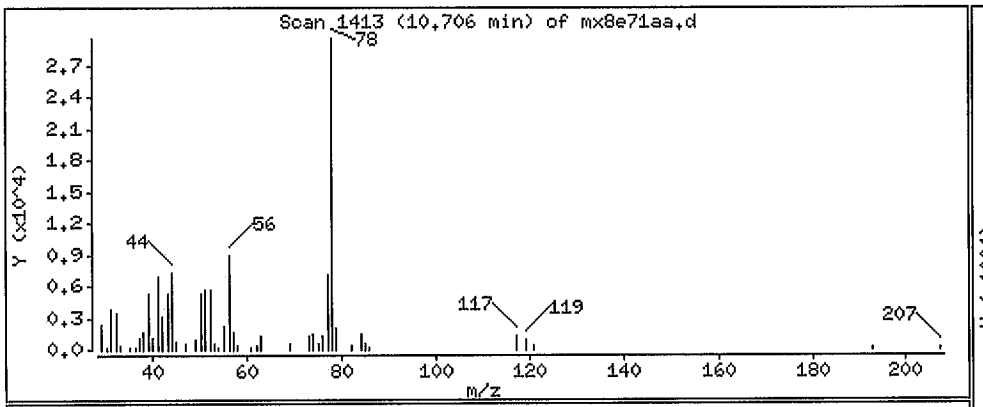
Client ID: 828076-IA-003B7-02 Instrument: mr.i

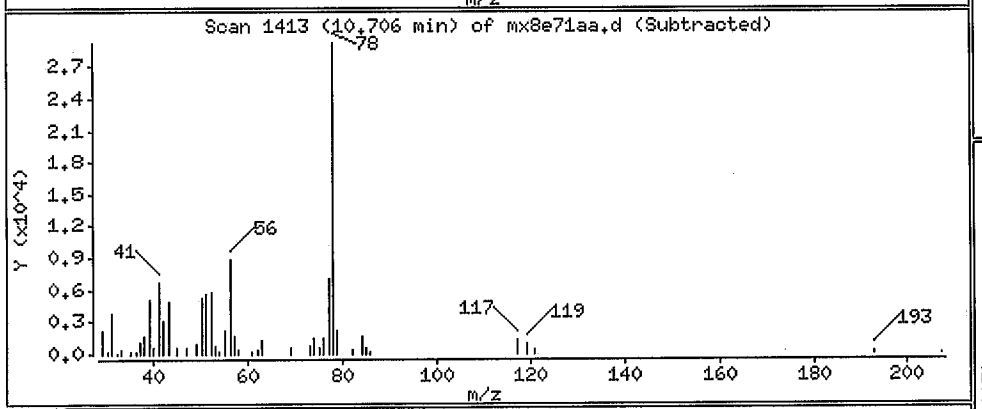
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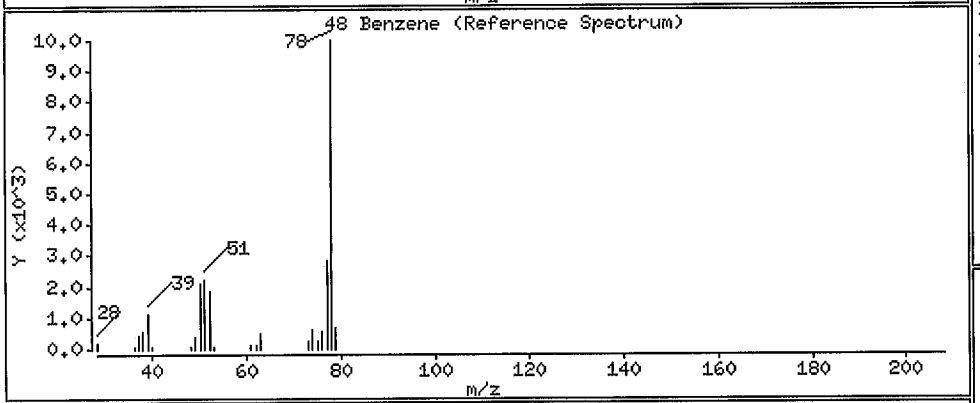
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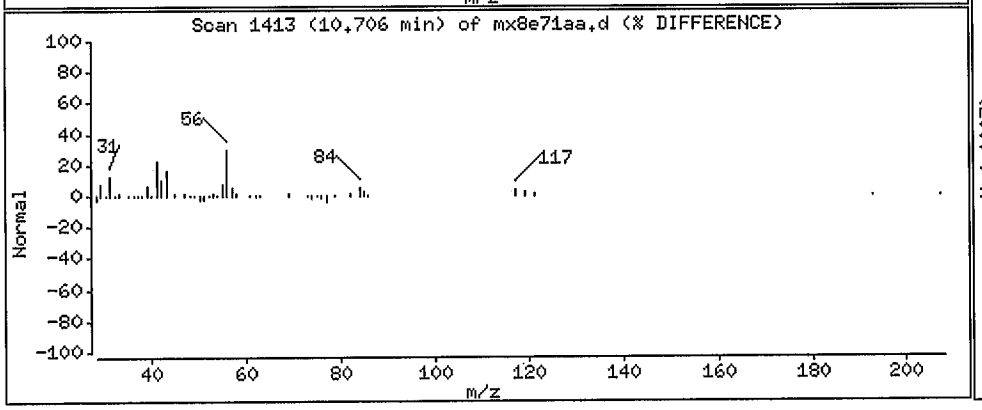
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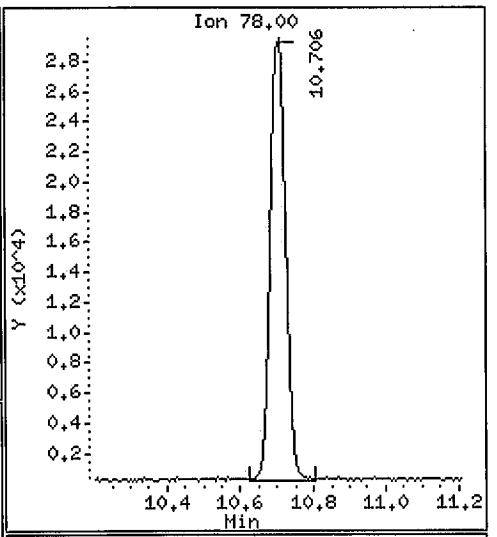
48 Benzene Concentration: 0.1772 ppb(v/v)

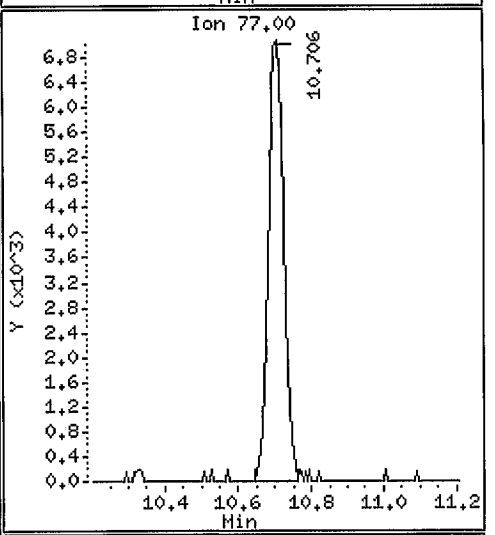


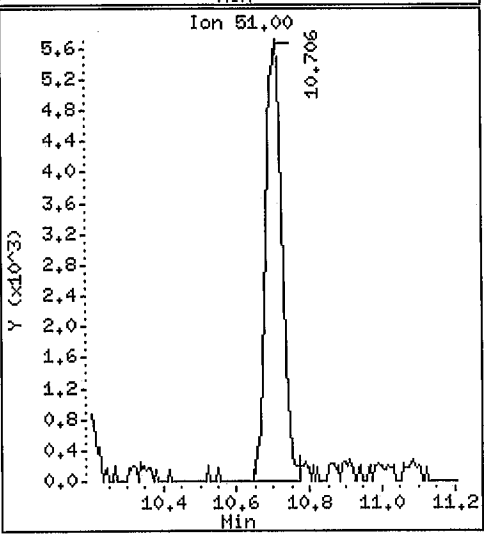












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

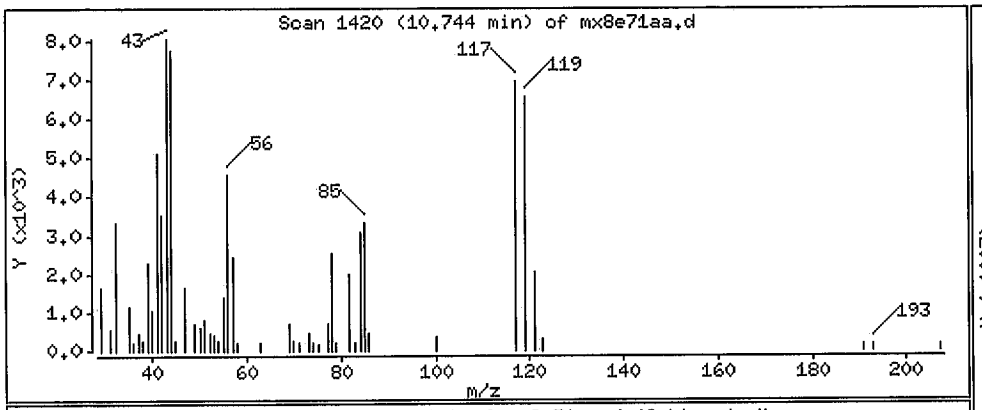
Client ID: 828076-IA-003B7-02 Instrument: mr.i

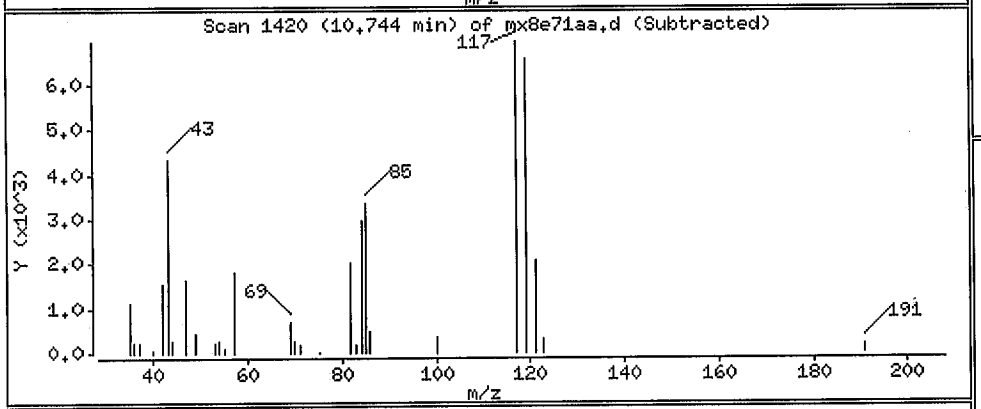
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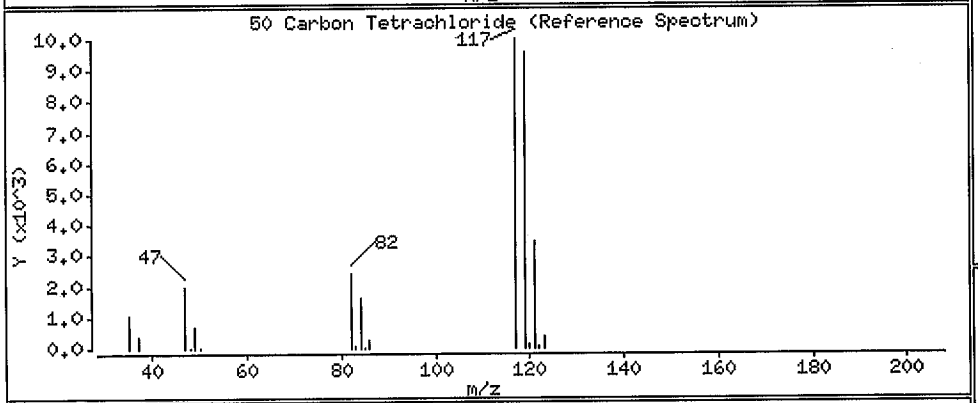
Purge Volume: 500.0 Operator: 403648

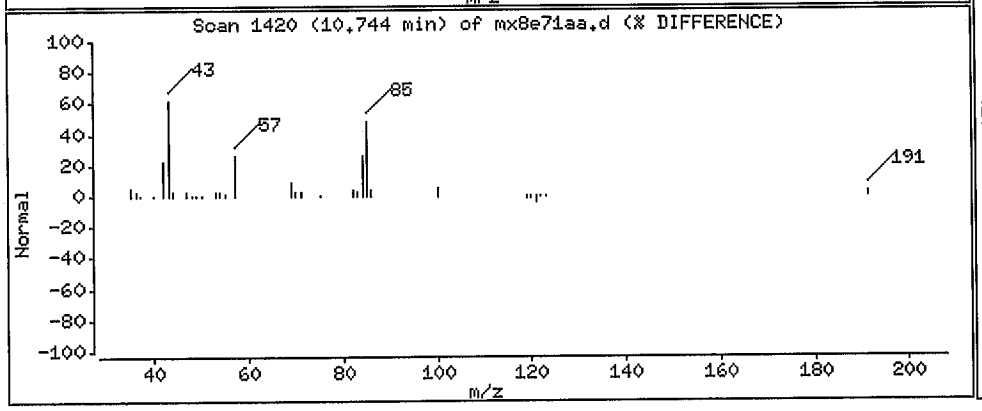
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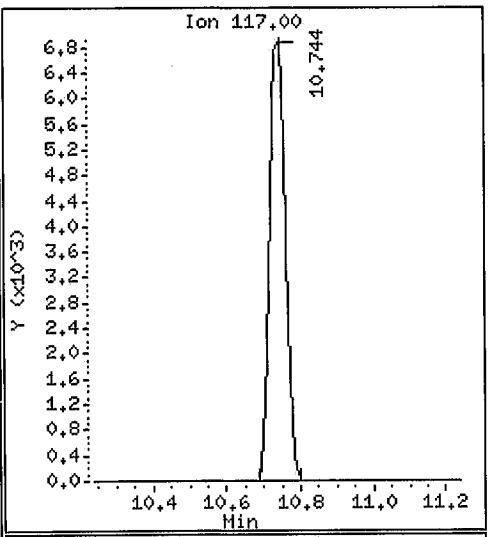
50 Carbon Tetrachloride Concentration: 0.08497 ppb(v/v)

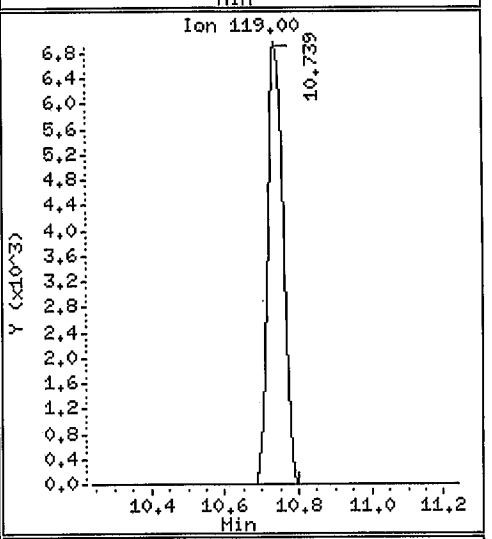


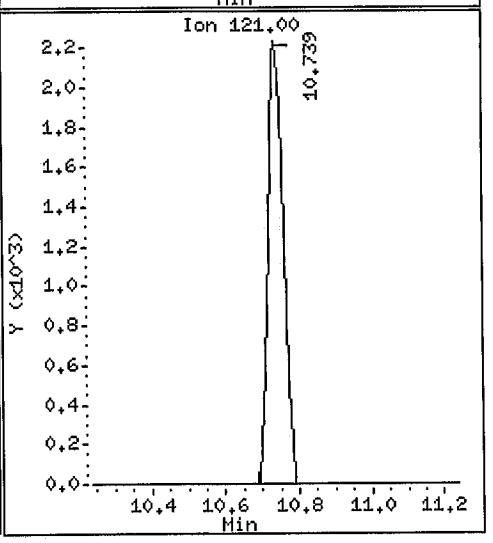












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

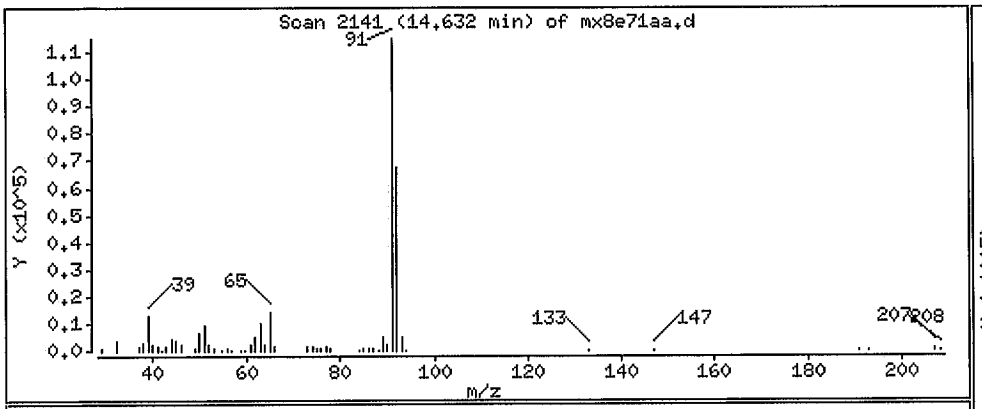
Client ID: 828076-IA-003B7-02 Instrument: mr.i

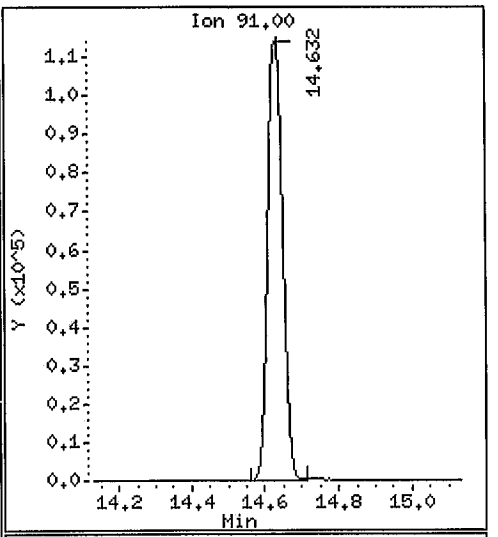
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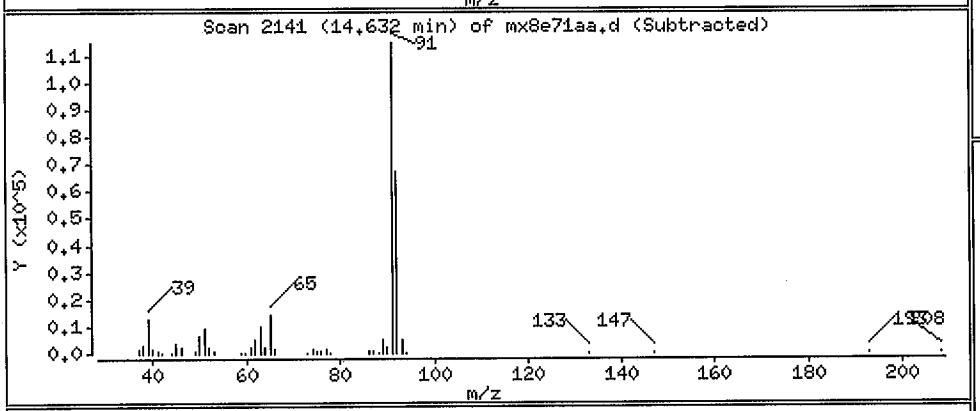
Purge Volume: 500.0 Operator: 403648

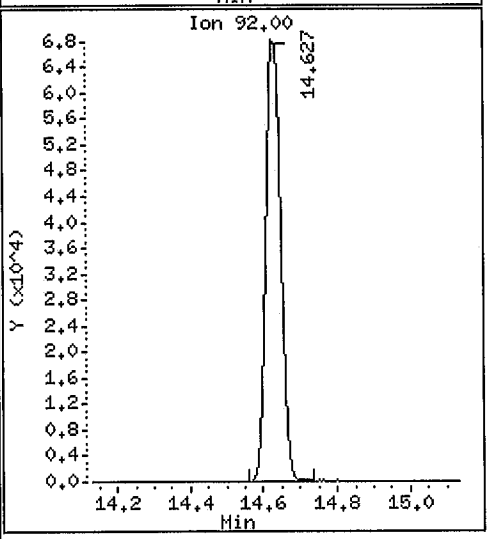
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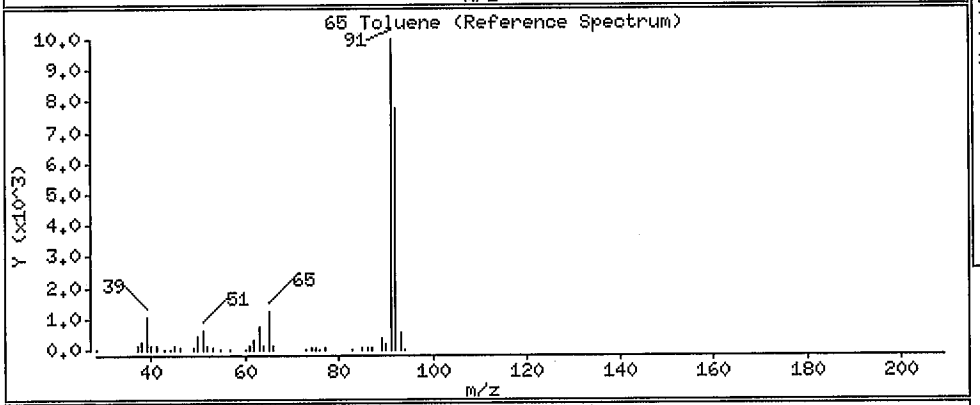
65 Toluene Concentration: 0.5390 ppb(v/v)

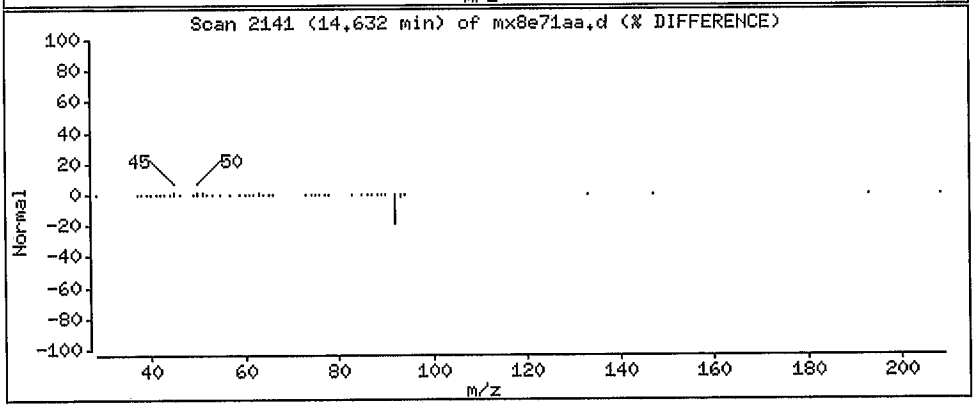












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

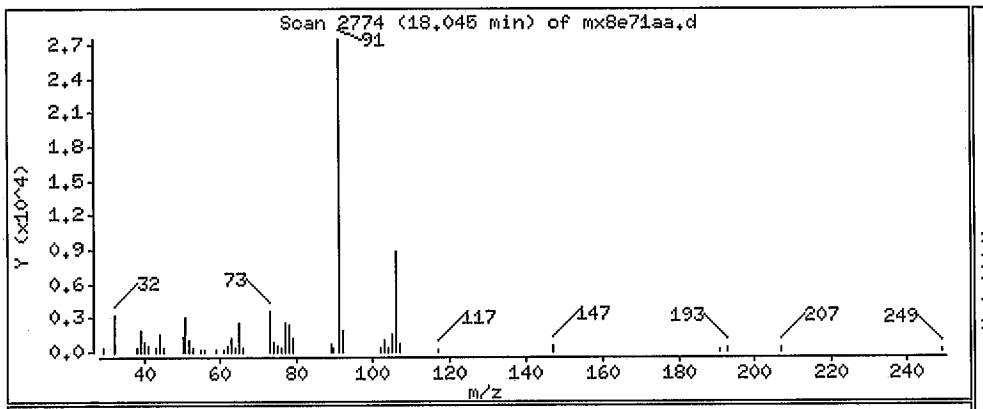
Client ID: 828076-IA-003B7-02 Instrument: mr.i

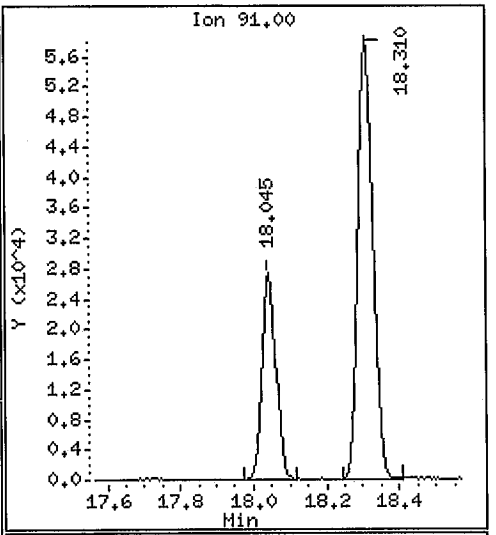
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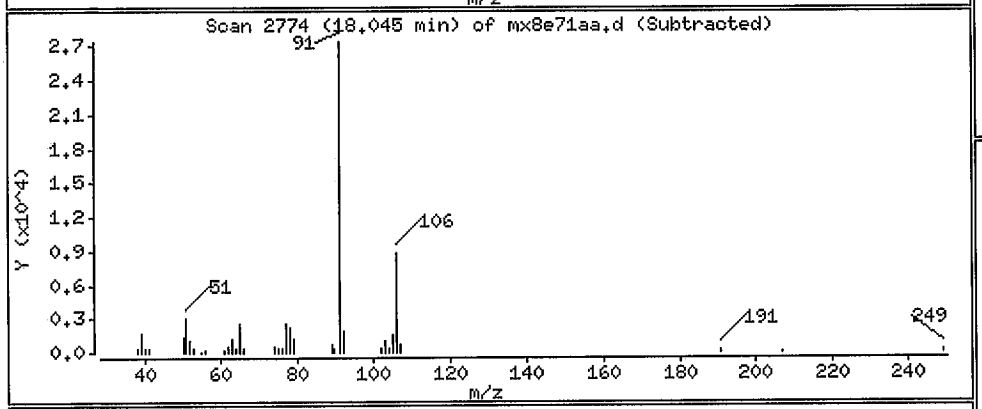
Purge Volume: 500.0 Operator: 403648

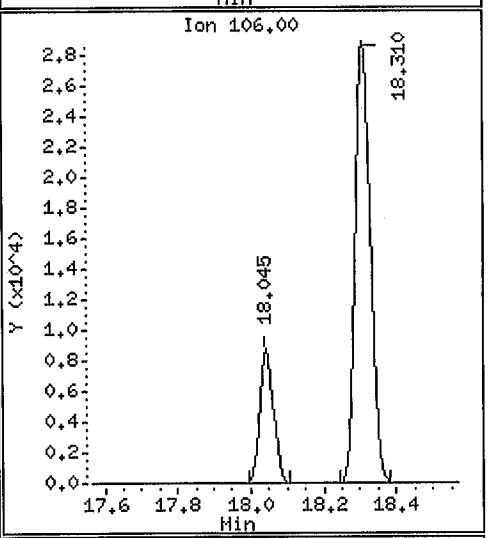
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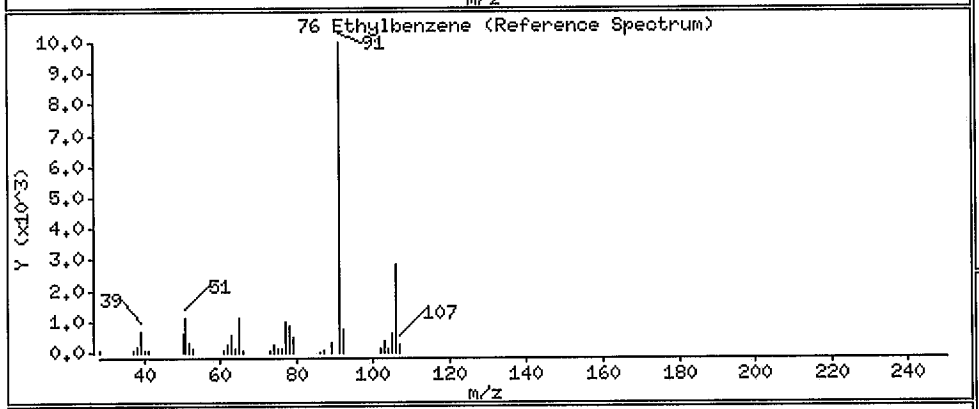
76 Ethylbenzene Concentration: 0.1006 ppb(v/v)

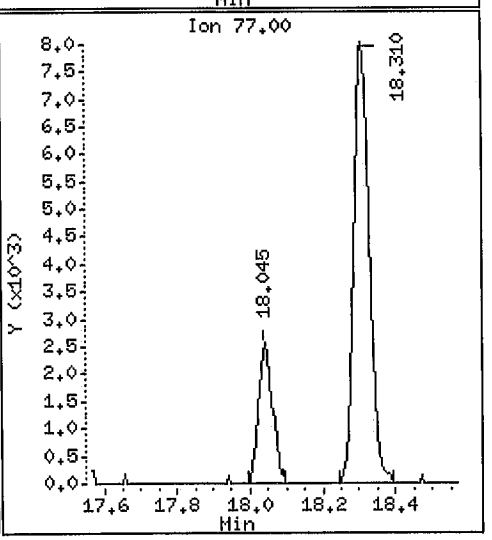


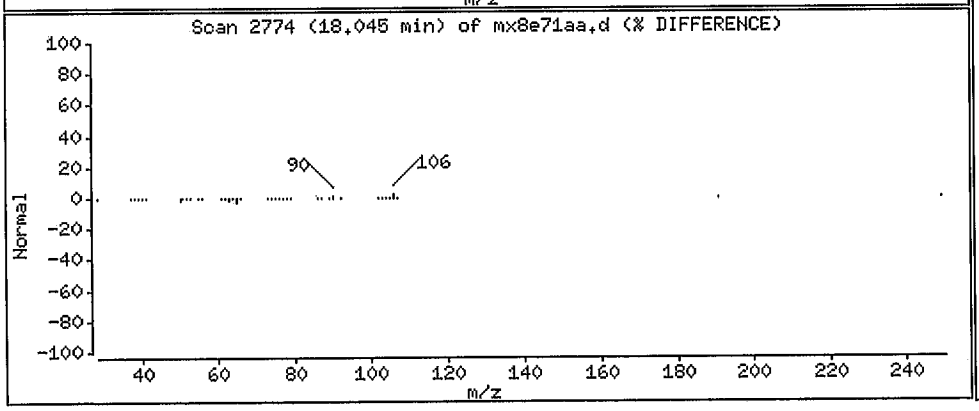












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Date : 01-MAR-2013 07:46

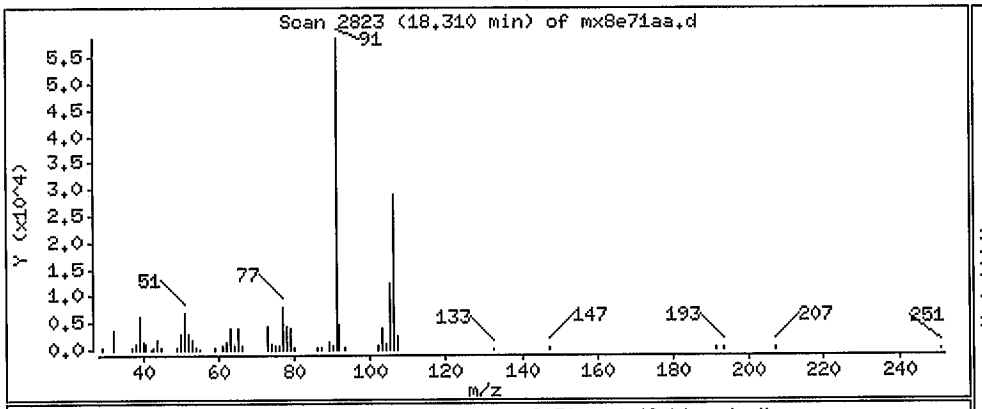
Client ID: 828076-IA-003B7-02 Instrument: mr.i

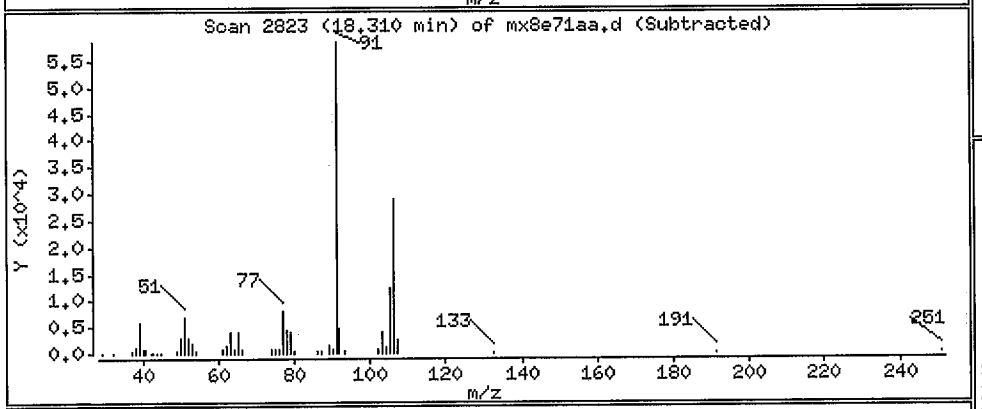
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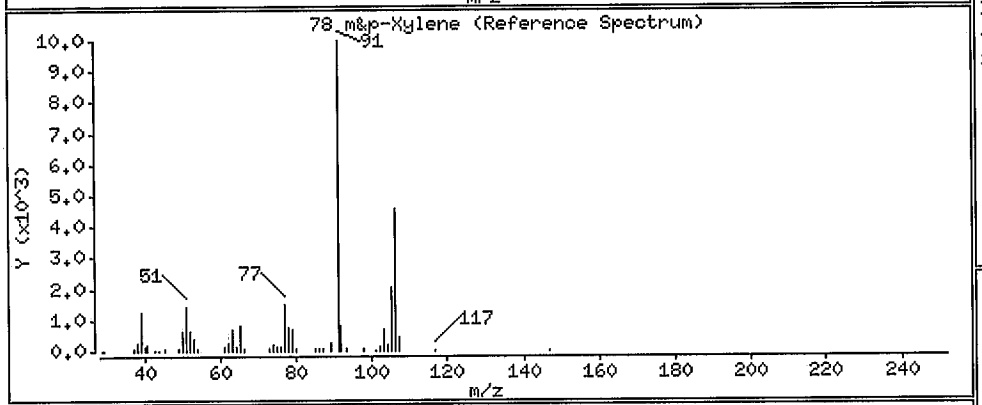
Purge Volume: 500.0 Operator: 403648

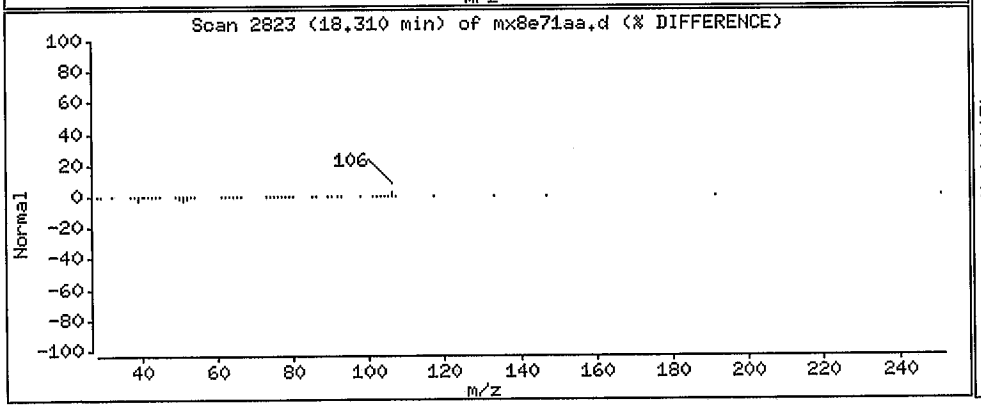
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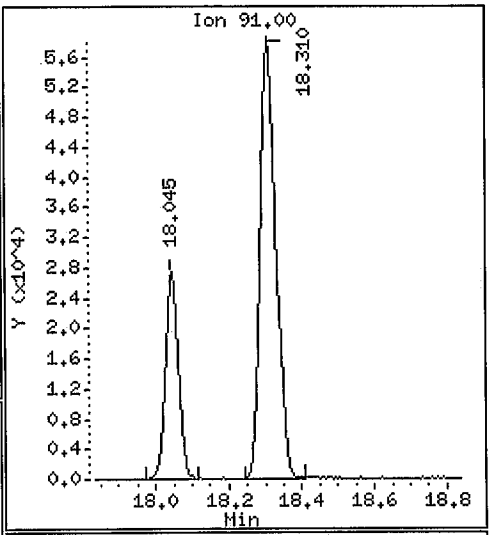
78 m&p-Xylene Concentration: 0.3231 ppb(v/v)

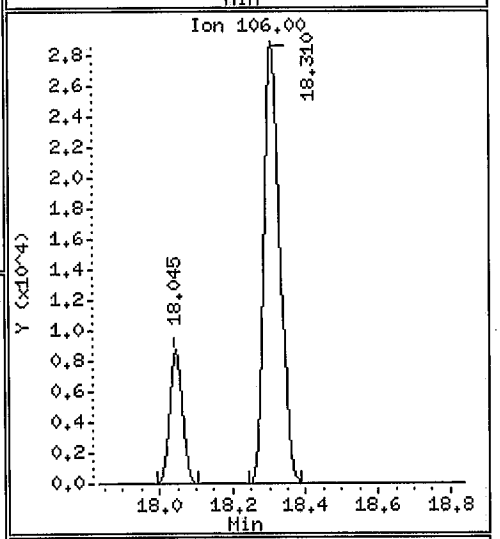


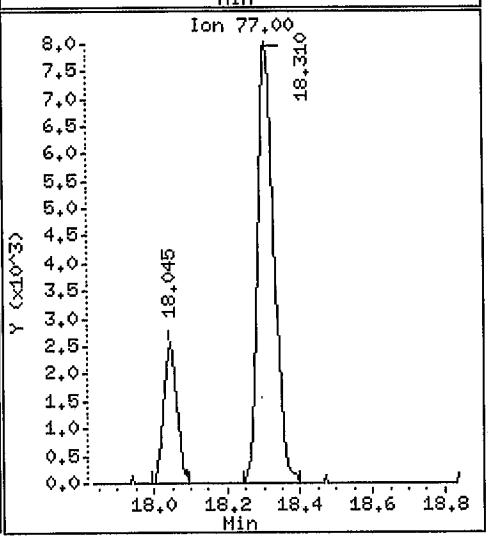












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Date : 01-MAR-2013 07:46

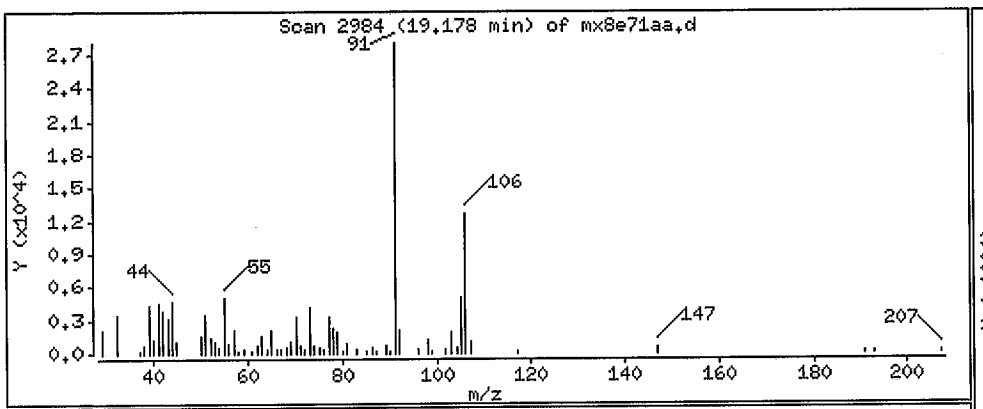
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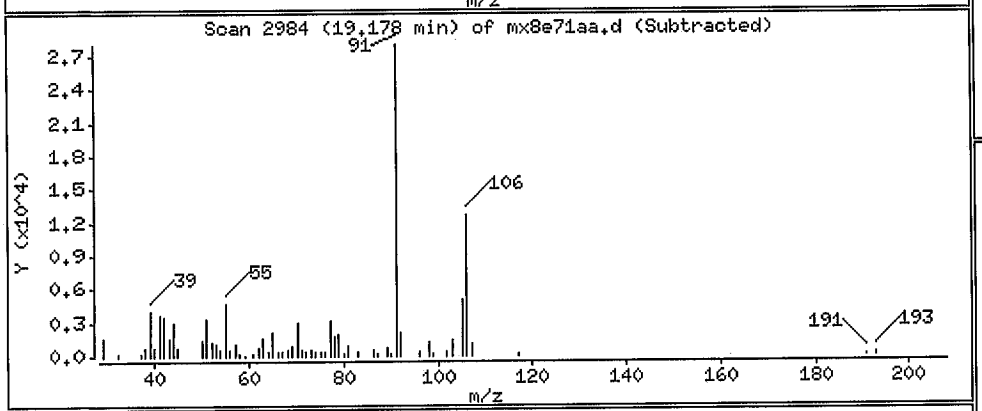
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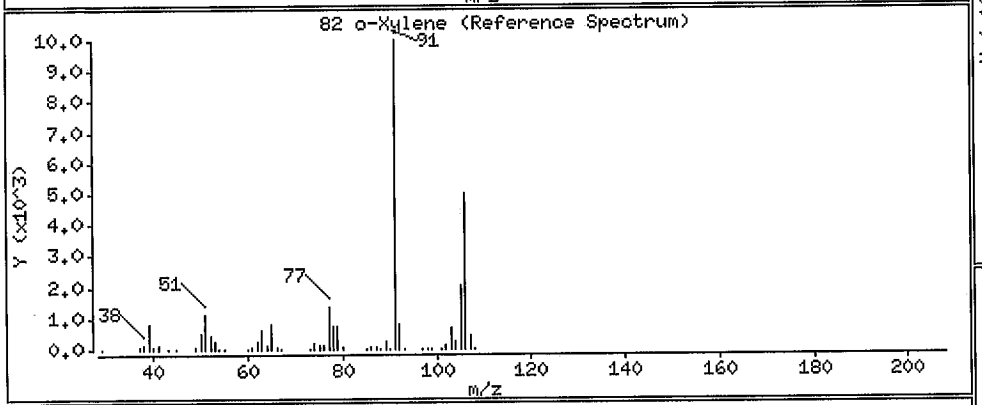
Purge Volume: 500.0 Operator: 403648

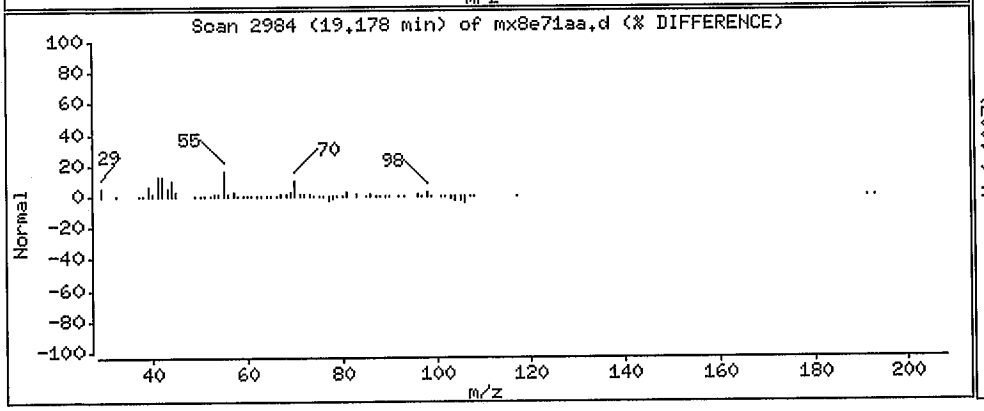
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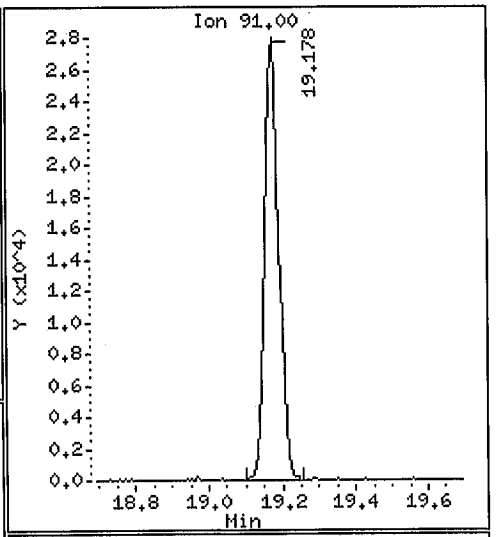
82 o-Xylene Concentration: 0.1320 ppb(v/v)

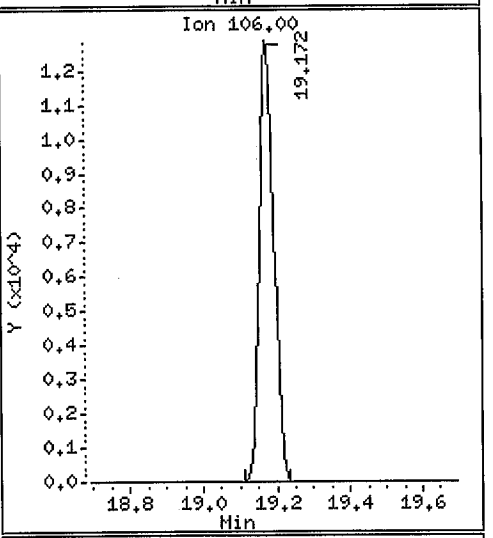


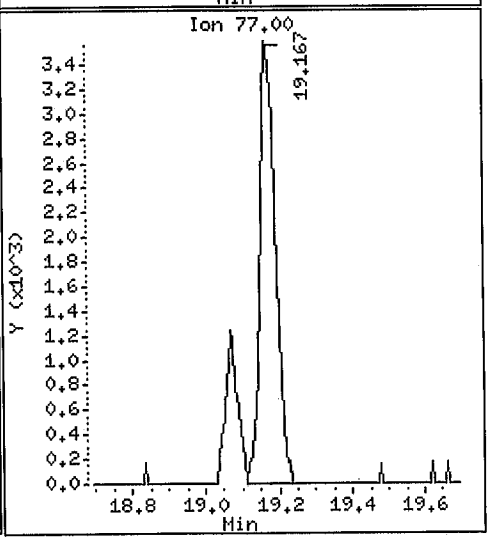












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

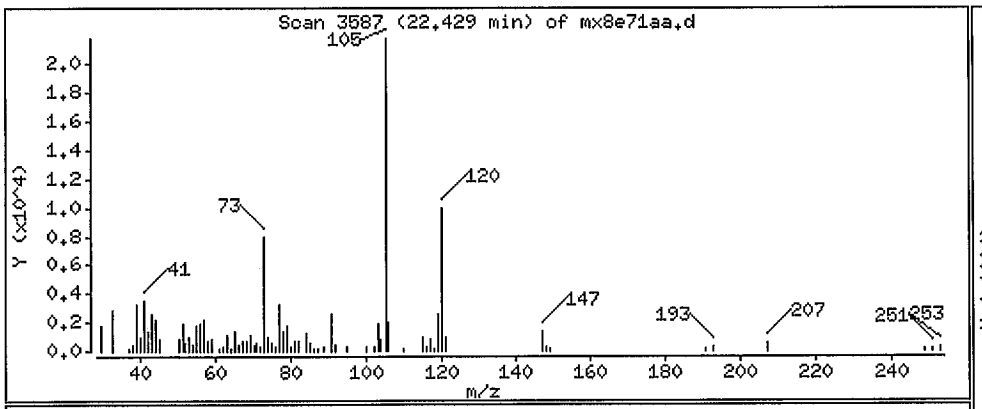
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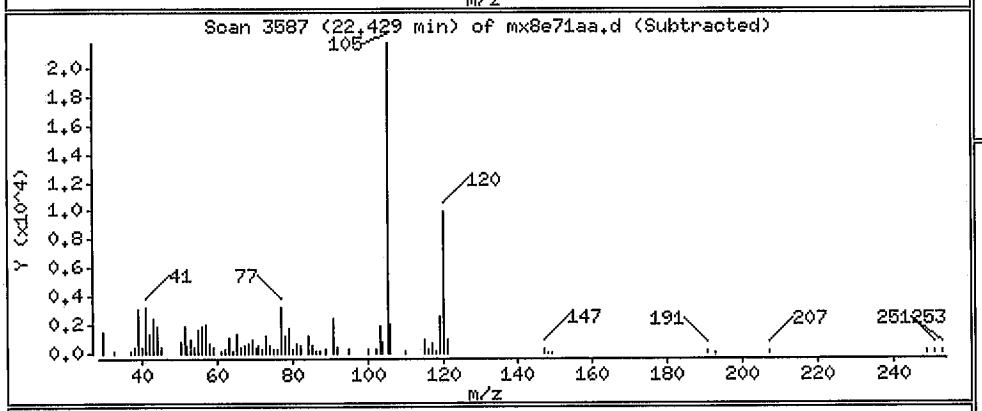
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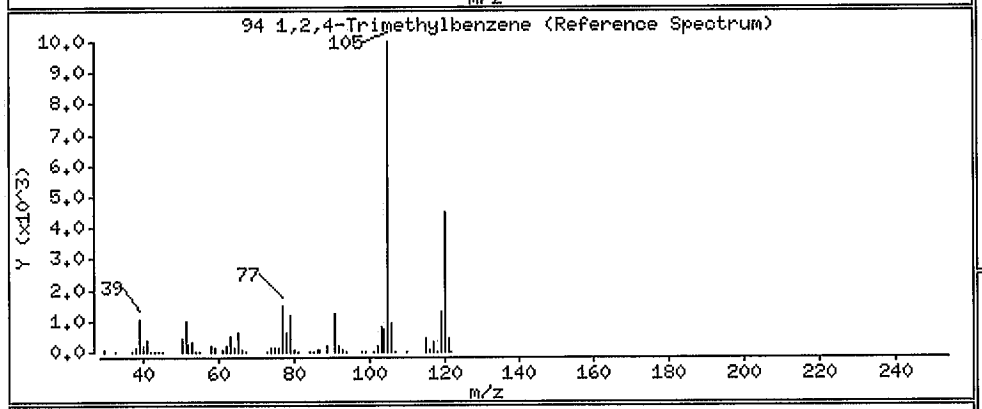
Purge Volume: 500.0 Operator: 403648

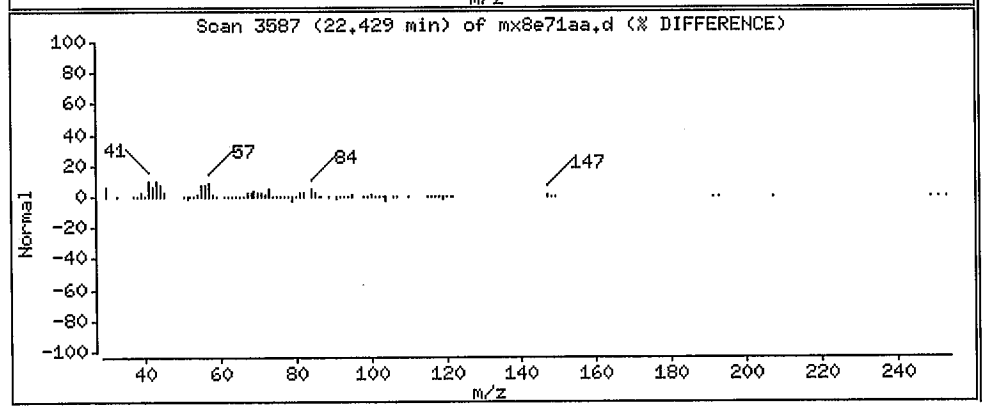
Column phase: Rtx-5 Column diameter: 0.32

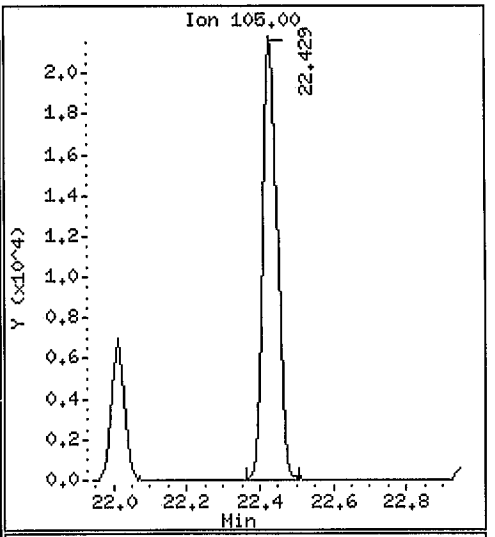
94 1,2,4-Trimethylbenzene Concentration: 0.08414 ppb(v/v)

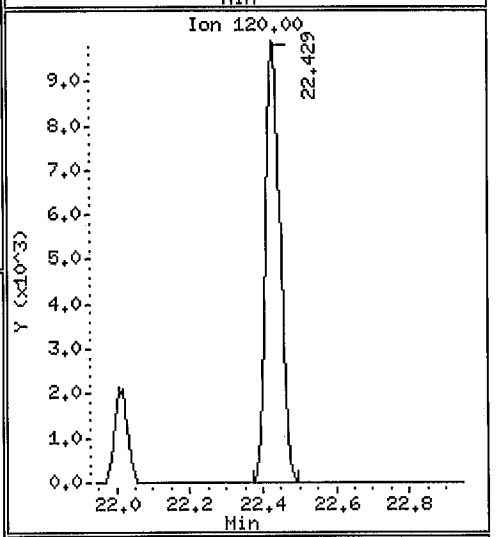


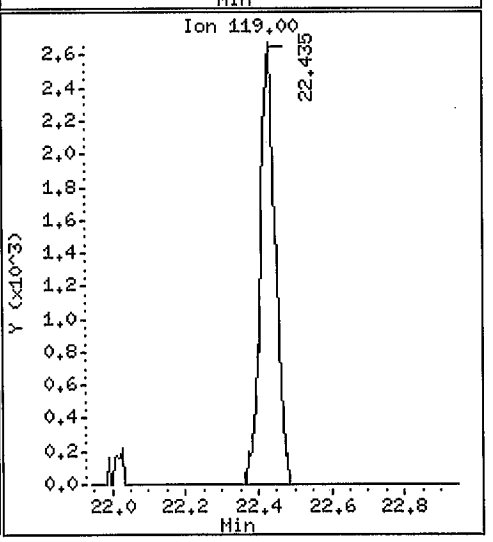












Data File: /var/chem/gcms/mr.i/R022813.b/mx8e71aa.d

Date : 01-MAR-2013 07:46

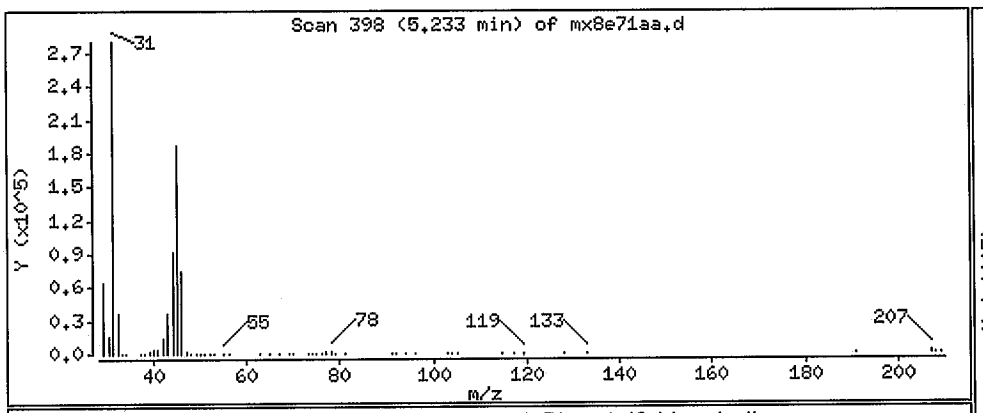
Client ID: 828076-IA-003B7-02 Instrument: mr.i

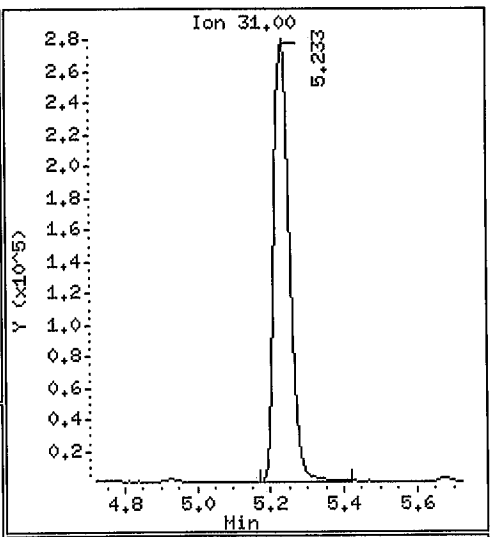
Sample Info: ,,0,,,

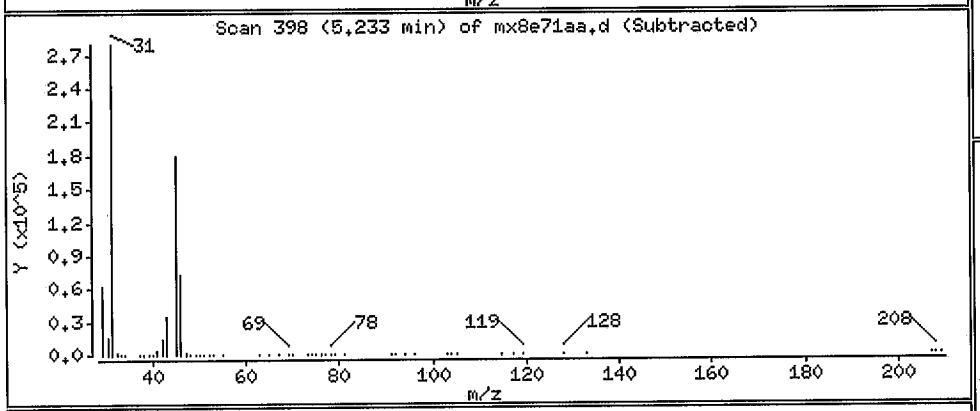
Purge Volume: 500.0 Operator: 403648

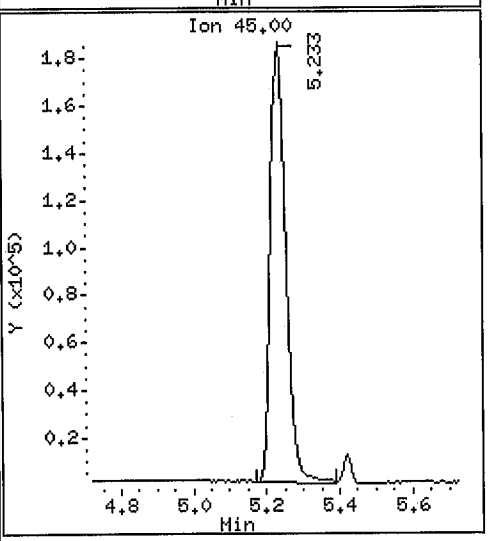
Column phase: Rtx-5 Column diameter: 0.32

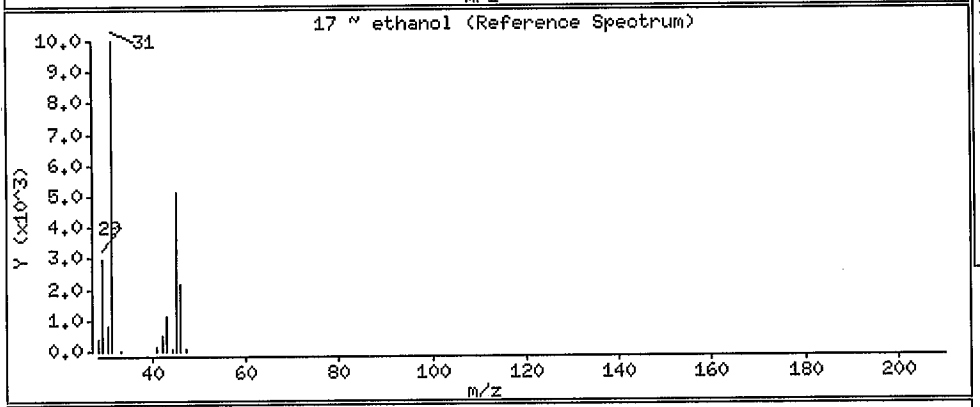
17 ~ ethanol Concentration: 16.27 ppb(v/v)

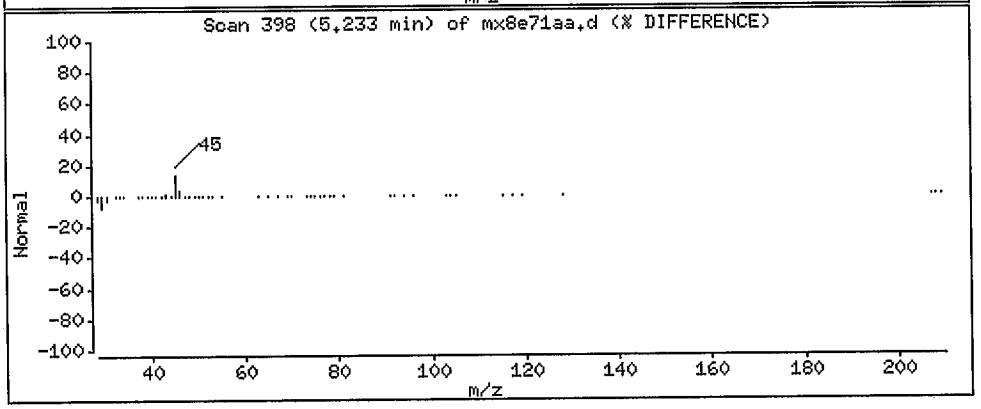












Standards Data

TestAmerica Knoxville GC/MS Air Initial Calibration Data Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 13 & KNOX-MS-0023, Rev 0

Analysis Date:	2/20/13	Instrument::	MR	ICAL Batch/Scan Name:	R022013I	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? Note: Ohio does not allow Quad	✓				NA
10. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%)		✓			✓
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 ± 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)tailing; 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)		✓			✓
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, BFB info, ICAL summary, curves, followed by [Quan reports, chromatograms, manual integrations], in increasing amount order, 2nd source info.		✓			✓

Analyst:	Date: 2/21/13	2nd Level Reviewer :	Date: 02/27/13
Comments:		Comments:	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MR

Analyst: DW Qtims Batch: 3052022

Date: 2/20/13 ICAL Batch: R022013I Target Batch: R022013I IS #1 Area: (1116): 469377

Surr/IS ID & Vol.: V425/40 mL System Date/Time ok (y/n): Y

Preventive Maintenance Performed ☑ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1415	OK	BLANK	BLK1	-	16	200	1	
1502	✓	BFB	RBFBB20	-		100		
1528	OK	Blank	BLK2	-		200		
1616	✓	MDL CHK 0.02	RMDLB20	CX-2451	8	50		MXXXX1AA LODV
1704	✓	ICAL 0.04	RICB201	51		100		MXXXO1AA
1752	✓	0.08	2	51		200		1
1839	✓	0.16	3	50	9			2 LOQV
1927	✓	0.4	4	49	10			3
~~2014~~ 2101	✓	1.0	5	48	11			
~~2150~~ 2150	✓	2.0	6	47	12			MXXX41AA LOQV
~~2237~~ 2237	✓	4.0	7	46	13			
~~2325~~ 2325	✓	8.0	8	45	14			
2325	✓	16	9	44	15			
0013	OK	Blank	BLK3	-	16			
0840	ok	Blank	BCK4	-	16			
0927	✓	HZA 230417 (1000	MXXX51AA	CX-2441	1			Also 2nd Source for curve
1015	✓		6		1			
1102	✓		7		1			
1150	✓		8		1			

DW 2-21-13

DW 2/21/13

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

Analyst: DW Date: 2/21/13

Data File: /chem/gcms/mr.i/R022013I.b/rbfbb20.d

Date : 20-FEB-2013 15:02

Client ID:

Instrument: mr.i

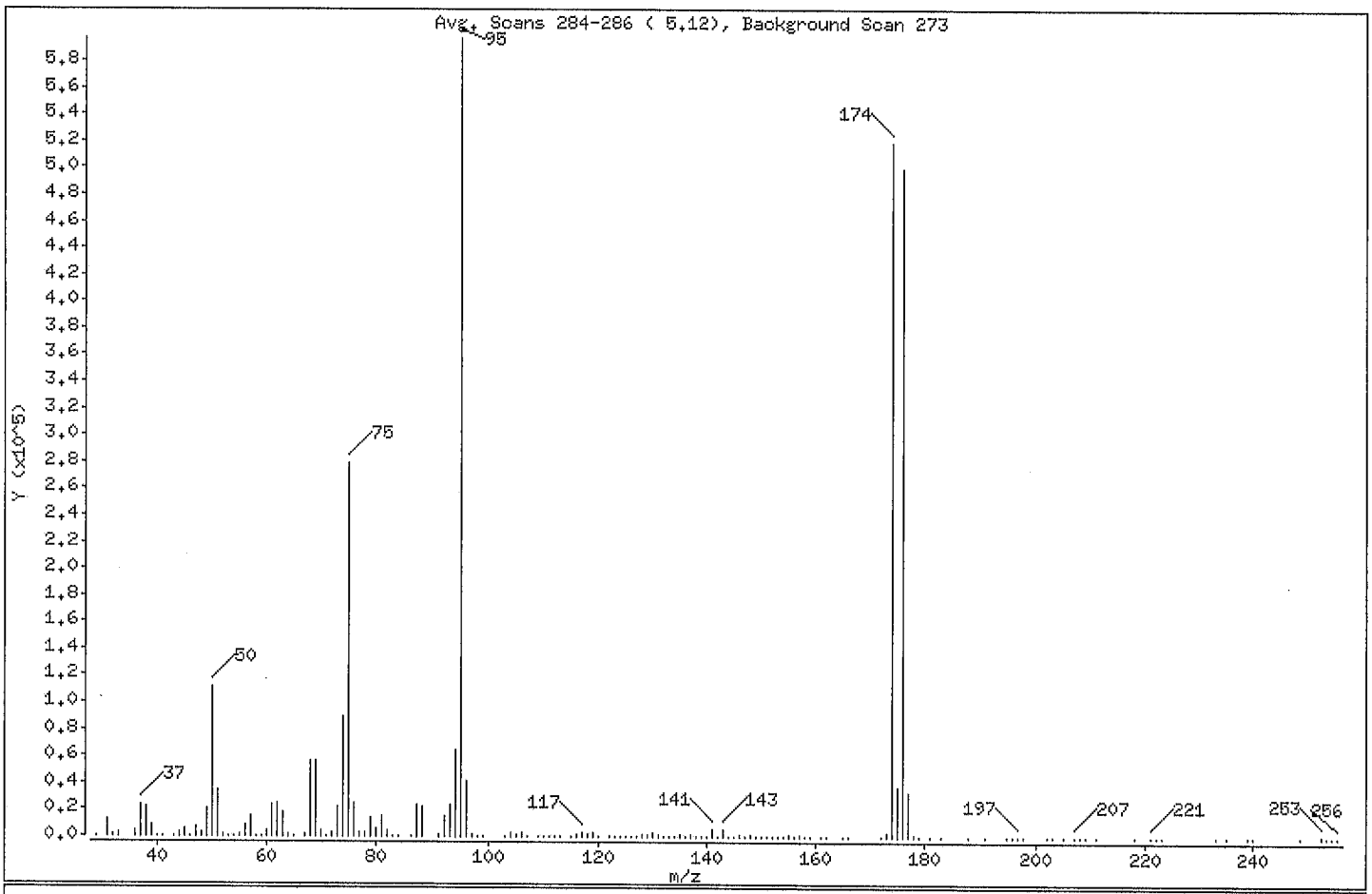
Sample Info: BFB,1,3

Operator: 060487

Column phase: RTX 624

Column diameter: 0.18

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	18.52
75	30.00 - 60.00% of mass 95	46.70
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.44 (0.51)
174	50.00 - 120.00% of mass 95	86.94
175	5.00 - 9.00% of mass 174	6.20 (7.13)
176	95.00 - 101.00% of mass 174	83.69 (96.27)
177	5.00 - 9.00% of mass 176	5.53 (6.61)

Data File: /chem/goms/mr.i/R022013I.b/rbfbb20.d

Date : 20-FEB-2013 15:02

Client ID:

Instrument: mr.i

Sample Info: BFB,1,3

Operator: 060487

Column phase: RTX 624

Column diameter: 0.18

Data File: rbfbb20.d
Spectrum: Avg. Scans 284-286 (5.12), Background Scan 273
Location of Maximum: 95.00
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	78	74.00	89552	123.00	133	166.00	194
31.00	11773	75.00	278528	124.00	368	172.00	271
32.00	792	76.00	24048	125.00	196	173.00	2636
33.00	2203	77.00	2992	126.00	232	174.00	518592
36.00	3843	78.00	2132	127.00	144	175.00	36960
37.00	23848	79.00	14164	128.00	1888	176.00	499264
38.00	21456	80.00	5324	129.00	823	177.00	32992
39.00	8690	81.00	15382	130.00	2080	178.00	971
40.00	368	82.00	4315	131.00	808	179.00	50
41.00	82	83.00	212	132.00	232	181.00	48
43.00	184	84.00	41	133.00	107	183.00	85
44.00	2936	86.00	550	134.00	124	188.00	33
45.00	4802	87.00	23640	135.00	1560	191.00	88
46.00	337	88.00	22120	136.00	165	195.00	70
47.00	6888	91.00	1644	137.00	990	196.00	126
48.00	2860	92.00	14602	138.00	34	197.00	181
49.00	21224	93.00	23112	139.00	234	198.00	39
50.00	110504	94.00	63976	140.00	345	202.00	34
51.00	33864	95.00	596480	141.00	5134	203.00	134
52.00	1275	96.00	41520	142.00	532	205.00	155
53.00	14	97.00	1206	143.00	5281	207.00	314
54.00	11	98.00	115	144.00	340	208.00	162
55.00	1094	99.00	28	145.00	533	209.00	209
56.00	7641	103.00	188	146.00	864	211.00	25
57.00	14923	104.00	2339	147.00	132	218.00	93
58.00	587	105.00	695	148.00	1216	221.00	151
59.00	97	106.00	2227	149.00	194	222.00	59
60.00	4293	107.00	507	150.00	604	223.00	86
61.00	23104	109.00	135	151.00	42	233.00	36
62.00	24760	110.00	339	152.00	276	235.00	4
63.00	18480	111.00	524	153.00	383	239.00	132
64.00	1694	112.00	309	154.00	367	240.00	7
65.00	256	113.00	492	155.00	1345	249.00	95
67.00	1152	115.00	412	156.00	610	253.00	1177
68.00	56312	116.00	1926	157.00	1475	254.00	163

Data File: /chem/gcms/mr.i/R022013I.b/rbfbb20.d

Date : 20-FEB-2013 15:02

Client ID:

Instrument: mr.i

Sample Info: BFB,1,3

Operator: 060487

Column phase: RTX 624

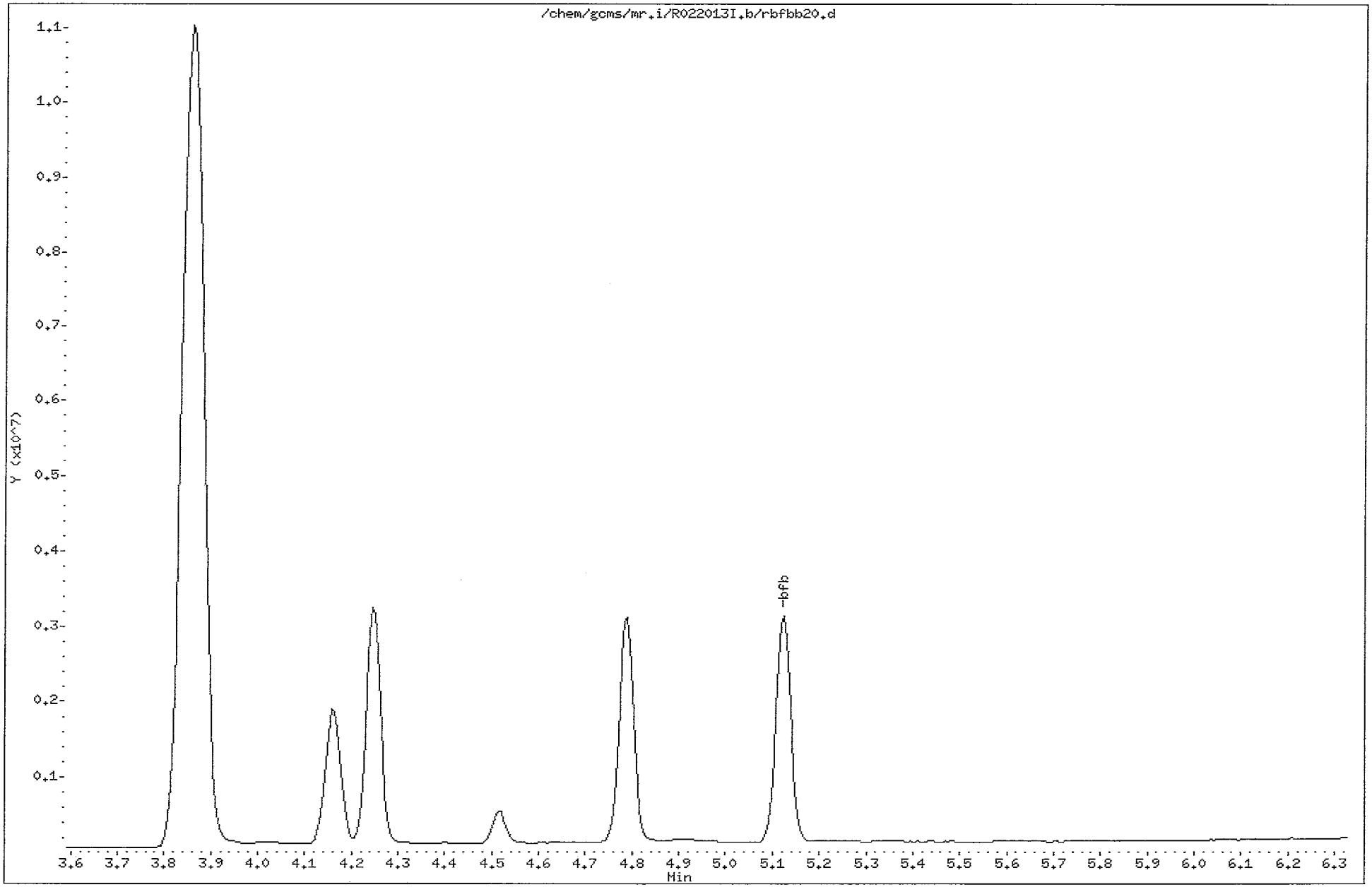
Column diameter: 0.18

Data File: rbfbb20.d
Spectrum: Avg. Scans 284-286 (5.12), Background Scan 273
Location of Maximum: 95.00
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	56136	117.00	3100	158.00	424	255.00	144
70.00	4605	118.00	1823	159.00	612	256.00	124
71.00	91	119.00	2750	161.00	559		
72.00	2650	120.00	152	162.00	93		
73.00	21976	122.00	164	165.00	175		

Data File: /chem/gcms/mr.i/R022013I.b/rbfbb20.d
Date : 20-FEB-2013 15:02
Client ID:
Sample Info: BFB,1,3

Instrument: mr.i
Operator: 060487
Column phase: RTX 624
Column diameter: 0.18



Report Date : 21-Feb-2013 08:40

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 20-FEB-2013 17:04
End Cal Date : 20-FEB-2013 23:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mr.i/R022013I.b/TO15.m
Cal Date : 21-Feb-2013 08:18 wilesd
Curve Type : Average

Calibration File Names:
Level 1: /chem/gcms/mr.i/R022013I.b/ricb201.d
Level 2: /chem/gcms/mr.i/R022013I.b/ricb202.d
Level 3: /chem/gcms/mr.i/R022013I.b/ricb203.d
Level 4: /chem/gcms/mr.i/R022013I.b/ricb204.d
Level 5: /chem/gcms/mr.i/R022013I.b/ricb205.d
Level 6: /chem/gcms/mr.i/R022013I.b/ricb206.d
Level 7: /chem/gcms/mr.i/R022013I.b/ricb207.d
Level 8: /chem/gcms/mr.i/R022013I.b/ricb208.d
Level 9: /chem/gcms/mr.i/R022013I.b/ricb209.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					
M 83 Xylene (total)	1.77233	1.69489	1.63144	1.59750	1.62172	1.62426		
	1.56466	1.57106	1.55518				1.62589	4.284
5 Chlorodifluoromethane	0.51972	0.44543	0.43478	0.42969	0.40885	0.39830		
	0.36781	0.34492	0.32802				0.40861	14.257
6 Propene	+++++	+++++	1.51611	1.33167	1.24674	1.22785		
	1.13050	1.05926	0.99947				1.21594	14.374
7 Dichlorodifluoromethane	4.90512	4.67989	4.56342	4.35380	4.21334	4.12427		
	3.81586	3.56506	3.29290				4.16818	12.733
8 Chloromethane	+++++	0.63423	0.58479	0.62411	0.50312	0.49279		
	0.45191	0.41627	0.36880				0.50950	19.128

Report Date : 21-Feb-2013 08:40

TestAmerica Knoxville

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mr.i/R022013I.b/TO15.m
Cal Date : 21-Feb-2013 08:18 wilesd
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					
9 1,2-Dichlorotetrafluoroethane	3.88680	3.67709	3.55715	3.49073	3.35016	3.28556		
	3.05685	2.88288	2.71016				3.32193	11.505
10 Methanol	+++++	+++++	+++++	+++++	0.48331	0.42031		
	0.35705	0.32521	0.26986				0.37115	22.367
11 ~ acetaldehyde	+++++	+++++	+++++	0.80433	0.64212	0.61523		
	0.56935	0.51177	0.45272				0.59925	20.324
12 Vinyl Chloride	2.07889	1.96139	1.85514	1.83938	1.75976	1.74278		
	1.61427	1.51529	1.41213				1.75322	12.093
13 n-Butane	3.34682	3.19249	2.85787	2.65249	2.50784	2.46837		
	2.26218	2.10051	1.92181				2.59004	18.448
14 1,3-Butadiene	1.62691	1.58572	1.48137	1.42715	1.37309	1.34721		
	1.25410	1.19028	1.10858				1.37716	12.638
15 Bromomethane	2.20871	1.88797	1.68945	1.61986	1.55908	1.54556		
	1.44770	1.37073	1.32305				1.62801	16.988
16 Chloroethane	1.10130	0.99314	0.93374	0.90187	0.87060	0.85829		
	0.80860	0.76427	0.73639				0.88536	12.913
17 ~ ethanol	+++++	0.75362	0.73075	0.54532	0.52892	0.52781		
	0.46607	0.44136	0.39491				0.54860	23.664

Report Date : 21-Feb-2013 08:40

TestAmerica Knoxville

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mr.i/R022013I.b/TO15.m
Cal Date : 21-Feb-2013 08:18 wilesd
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					
18 Vinyl Bromide	1.89330	1.79309	1.69314	1.64993	1.61674	1.61936		
	1.53054	1.47604	1.47498				1.63857	8.565
19 2-methyl butane	2.33265	2.20256	2.11689	2.00037	1.94598	1.92585		
	1.80081	1.72116	1.66616				1.96805	11.269
20 Trichlorofluoromethane	4.55726	4.39095	4.19150	4.18988	4.08076	4.04052		
	3.78788	3.64080	3.56757				4.04968	8.204
21 Acrolein	+++++	+++++	0.89468	0.62584	0.56422	0.57615		
	0.47790	0.52291	0.53067				0.59891	23.116
22 Acetonitrile	+++++	+++++	0.67975	0.60385	0.65525	0.62295		
	0.58791	0.56568	0.55451				0.60999	7.527
25 Pentane	+++++	0.34947	0.33122	0.33548	0.33282	0.32736		
	0.30895	0.29843	0.29669				0.32255	5.896
23 Acetone	+++++	+++++	+++++	+++++	0.96561	0.86132		
	0.83696	0.73886	0.70166				0.82088	12.745
24 Isopropyl alcohol	+++++	+++++	+++++	2.49698	2.47083	2.39877		
	2.23122	2.13848	2.01358				2.29164	8.510
26 Ethyl Ether	1.91770	1.90933	1.76308	1.75864	1.72398	1.69857		
	1.59301	1.51376	1.44528				1.70260	9.520

Report Date : 21-Feb-2013 08:40

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 20-FEB-2013 17:04
End Cal Date : 20-FEB-2013 23:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mr.i/R022013I.b/TO15.m
Cal Date : 21-Feb-2013 08:18 wilesd
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					
27 1,1-Dichloroethene	1.88633	1.76851	1.68179	1.61624	1.55900	1.56885		
	1.47849	1.44511	1.44236				1.60519	9.431
29 Acrylonitrile	1.23788	1.36000	1.29199	1.25681	1.24912	1.26009		
	1.19175	1.16975	1.15791				1.24170	5.082
30 1,1,2-Trichlorotrifluoroethan	3.77179	3.62267	3.40423	3.37541	3.32505	3.32100		
	3.13257	3.05022	3.03391				3.33743	7.438
28 tert-butanol	+++++	2.90806	2.94237	2.74939	2.82929	2.79899		
	2.64834	2.55863	2.49121				2.74079	5.914
31 Methylene Chloride	+++++	+++++	1.71969	1.51954	1.47399	1.43905		
	1.34131	1.29860	1.29635				1.44122	10.449
32 3-Chloropropene	1.39014	1.26137	1.16198	1.17177	1.19842	1.12102		
	1.11560	0.83783	0.96087				1.13544	14.145
33 Carbon Disulfide	5.25232	5.04965	4.71422	4.64474	4.55099	4.57960		
	4.34562	4.18115	4.10210				4.60227	8.179
35 ~ 2-Methyl Pentane	+++++	4.05447	3.82898	3.71715	3.64326	3.62959		
	3.41115	3.26505	3.09498				3.58058	8.675
34 trans-1,2-Dichloroethene	1.98544	1.84193	1.70523	1.65055	1.60414	1.60305		
	1.53436	1.49772	1.50713				1.65884	9.836

Report Date : 21-Feb-2013 08:40

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 20-FEB-2013 17:04
End Cal Date : 20-FEB-2013 23:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mr.i/R022013I.b/TO15.m
Cal Date : 21-Feb-2013 08:18 wilesd
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					
36 Methyl-t-Butyl Ether	4.76920	4.39053	4.37086	4.29366	4.28204	4.25683		
	4.03881	3.90330	3.85901				4.24047	6.585
37 1,1-Dichloroethane	3.18912	3.12723	2.96460	2.92903	2.89887	2.88511		
	2.71410	2.61727	2.56953				2.87721	7.368
38 Vinyl Acetate	4.01423	3.96045	3.83183	3.84992	3.83108	3.85805		
	3.79813	3.68563	3.62211				3.82794	3.162
39 2-Butanone	+++++	+++++	1.05631	0.80470	0.77471	0.78182		
	0.75413	0.72601	0.72406				0.80311	14.375
40 Hexane	1.57267	1.51725	1.44939	1.37302	1.35924	1.34730		
	1.28078	1.23904	1.23054				1.37436	8.689
41 cis 1,2-Dichloroethene	2.07540	1.79341	1.68570	1.66460	1.64731	1.63934		
	1.56108	1.53378	1.53387				1.68161	10.062
42 Ethyl acetate	+++++	3.62460	3.55403	3.45298	3.44177	3.45320		
	3.29289	3.18413	3.11501				3.38983	5.230
43 Chloroform	3.65330	3.44300	3.30035	3.24039	3.21043	3.20833		
	3.02233	2.91287	2.86698				3.20644	7.804
44 Tetrahydrofuran	+++++	2.07162	1.95294	1.84273	1.82666	1.80487		
	1.70684	1.65155	1.61042				1.80845	8.510

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
45 1,1,1-Trichloroethane	3.43003	3.31892	3.15715	3.12524	3.12233	3.13343		
	2.97079	2.91187	2.89151				3.11792	5.727
46 1,2-Dichloroethane	0.48868	0.46555	0.44440	0.43568	0.43444	0.43707		
	0.41470	0.41041	0.41083				0.43797	5.948
49 Cyclohexane	0.17219	0.16961	0.15714	0.15482	0.15450	0.15630		
	0.15014	0.15074	0.14786				0.15703	5.380
48 Benzene	1.17353	1.09459	1.01247	0.98560	0.98863	0.98843		
	0.95352	0.95536	0.96028				1.01249	7.326
50 Carbon Tetrachloride	0.66712	0.64752	0.39127	0.40527	0.46161	0.41298		
	0.66622	0.38520	0.67018				0.52304	25.697
51 ~ 2,3-dimethylpentane	0.22909	0.21601	0.21687	0.21545	0.21164	0.21187		
	0.20524	0.20469	0.20770				0.21317	3.515
47 1-Butanol	+++++	+++++	+++++	0.09384	0.09649	0.10225		
	0.10045	0.09890	0.09933				0.09854	3.025
52 ~ Thiophene	0.63372	0.62678	0.58561	0.58213	0.58765	0.58817		
	0.56984	0.56938	0.57918				0.59138	3.914
53 2,2,4-trimethylpentane	1.80958	1.73001	1.66400	1.62512	1.62993	1.63027		
	1.56855	1.56083	1.54195				1.64003	5.229

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
54 Heptane	0.38764	0.37561	0.35762	0.34424	0.35003	0.35040		
	0.34125	0.34219	0.34861				0.35529	4.508
55 1,2-Dichloropropane	0.39776	0.39319	0.37887	0.36576	0.36597	0.36790		
	0.35504	0.35565	0.36066				0.37120	4.184
56 Trichloroethene	0.47451	0.46215	0.44856	0.43665	0.44065	0.44702		
	0.43510	0.44719	0.46167				0.45039	2.926
180 ~ 2-nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++ NA
57 Dibromomethane	0.37356	0.36623	0.35995	0.35183	0.35788	0.36520		
	0.35654	0.36727	0.36603				0.36272	1.837
58 Bromodichloromethane	0.62778	0.61871	0.59522	0.61679	0.65003	0.66186		
	0.67158	0.66199	0.68833				0.64359	4.734
60 Methyl Methacrylate	+++++	0.36775	0.37616	0.38216	0.41268	0.42215		
	0.41471	0.41362	0.41411				0.40042	5.321
59 1,4-dioxane	+++++	0.13636	0.14618	0.13668	0.15069	0.14973		
	0.14107	0.14220	0.14169				0.14308	3.778
61 ~ methyl cyclohexane	0.63196	0.62682	0.59603	0.59039	0.59690	0.60148		
	0.58222	0.58604	0.59906				0.60121	2.856

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
63 cis-1,3-Dichloropropene	0.54866	0.51886	0.50714	0.50957	0.52690	0.53552		
	0.51879	0.52630	0.53866				0.52560	2.598
62 4-Methyl-2-pentanone	+++++	+++++	0.69267	0.74166	0.72722	0.74025		
	0.72570	0.65403	0.72169				0.71475	4.377
64 trans-1,3-Dichloropropene	0.76187	0.73011	0.69738	0.69411	0.72757	0.73069		
	0.72567	0.71037	0.74941				0.72524	3.064
65 Toluene	1.86689	1.77576	1.66919	1.61149	1.63887	1.62561		
	1.56903	1.58050	1.59947				1.65964	5.970
66 1,1,2-Trichloroethane	0.49900	0.47794	0.46588	0.45386	0.46394	0.46534		
	0.44643	0.44783	0.45660				0.46409	3.535
67 ~ 2-methyl thiophene	1.45624	1.43093	1.39275	1.38031	1.40571	1.41687		
	1.37167	1.38067	1.39914				1.40381	1.938
68 ~ 3-methyl thiophene	1.52198	1.45974	1.42178	1.41173	1.42408	1.44982		
	1.39802	1.40788	1.43347				1.43650	2.618
69 2-Hexanone	+++++	0.45039	0.49999	0.49622	0.53229	0.54498		
	0.54325	0.41201	0.56313				0.50528	10.288
70 Octane	0.59166	0.56694	0.55188	0.52742	0.53207	0.54478		
	0.52725	0.53110	0.53611				0.54547	3.979

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
71 Dibromochloromethane	0.77319	0.73564	0.68403	0.74926	0.84211	0.86764		
	0.95592	0.93181	1.03578				0.84171	13.858
72 1,2-Dibromoethane	0.76762	0.77891	0.77193	0.79222	0.83839	0.86269		
	0.84100	0.86086	0.89293				0.82295	5.606
73 Tetrachloroethene	0.64918	0.61525	0.58528	0.56577	0.57576	0.58069		
	0.56335	0.57088	0.58419				0.58782	4.700
75 ~ 2,3-dimethylheptane	1.64150	1.56916	1.49940	1.47196	1.47997	1.48138		
	1.40878	1.37240	1.30816				1.47030	6.793
74 Chlorobenzene	1.41048	1.37666	1.30160	1.27461	1.28535	1.29845		
	1.25559	1.26904	1.31254				1.30937	3.936
76 Ethylbenzene	2.28916	2.17575	2.09010	2.03650	2.07236	2.07542		
	1.99659	2.00232	2.01941				2.08418	4.536
77 ~ 2-ethyl thiophene	1.65268	1.56775	1.52802	1.53641	1.57148	1.59055		
	1.53874	1.54867	1.58323				1.56861	2.443
78 m&p-Xylene	1.75008	1.66693	1.61209	1.57107	1.60825	1.61125		
	1.55993	1.56898	1.53157				1.60891	4.095
79 Nonane	+++++	1.14350	1.08855	1.08137	1.09941	1.10343		
	1.05969	1.04904	1.03106				1.08201	3.271

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
80 Bromoform	+++++	0.58549	0.48268	0.56796	0.72532	0.76322		
	0.94107	0.87794	1.10452				0.75603	27.867
81 Styrene	+++++	0.92265	0.95993	1.04053	1.17419	1.23618		
	1.21081	1.26496	1.33211				1.14267	13.125
82 o-Xylene	1.81683	1.75079	1.67012	1.65037	1.64867	1.65029		
	1.57411	1.57521	1.60241				1.65987	4.817
84 1,1,2,2-Tetrachloroethane	1.18712	1.17802	1.16281	1.17084	1.23940	1.23336		
	1.19041	1.19992	1.22216				1.19823	2.305
85 1,2,3-Trichloropropane	0.38789	0.36618	0.35638	0.35153	0.36580	0.36678		
	0.35282	0.35620	0.36769				0.36347	3.071
86 Cumene	+++++	2.52111	2.42897	2.37526	2.40218	2.41409		
	2.33496	2.35754	2.35118				2.39816	2.478
87 n-Propylbenzene	+++++	0.68948	0.66209	0.66375	0.69241	0.69273		
	0.67484	0.69688	0.72813				0.68754	3.092
88 2-chlorotoluene	0.65746	0.63266	0.61655	0.60786	0.62127	0.62282		
	0.60126	0.61959	0.64450				0.62489	2.811
89 4-Ethyltoluene	+++++	2.47771	2.42741	2.41282	2.50171	2.50448		
	2.41559	2.44827	2.46574				2.45672	1.490

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
90 1,3,5-Trimethylbenzene	+++++	1.15615	1.11559	1.12855	1.16437	1.17339		
	1.13934	1.17348	1.21977				1.15883	2.795
91 Alpha-Methylstyrene	+++++	+++++	0.64986	0.73641	0.89188	0.97235		
	0.94673	1.04393	1.12385				0.90929	18.350
92 Decane	1.25917	1.36883	1.35361	1.37898	1.41983	1.41877		
	1.35679	1.35098	1.31515				1.35801	3.659
93 tert-butylbenzene	+++++	2.25803	2.17049	2.13747	2.20998	2.19542		
	2.12460	2.17436	2.19477				2.18314	1.925
94 1,2,4-Trimethylbenzene	1.98615	2.03884	2.01132	1.98752	2.07702	2.07442		
	2.00016	2.03786	2.03365				2.02744	1.677
95 sec-butylbenzene	+++++	3.08768	2.98583	2.94495	3.05671	3.04474		
	2.91249	2.95742	2.90619				2.98700	2.301
96 1,3-Dichlorobenzene	+++++	1.35703	1.33100	1.30378	1.36475	1.38520		
	1.34600	1.41313	1.48768				1.37357	4.129
97 Benzyl Chloride	+++++	1.50537	1.53560	1.59947	1.79790	1.81222		
	1.79391	1.87990	1.85896				1.72292	8.760
98 1,4-Dichlorobenzene	+++++	1.35234	1.33063	1.30437	1.37430	1.39509		
	1.36570	1.43953	1.48277				1.38059	4.196

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
99 p-Cymene	2.48737	2.58278	2.50462	2.47450	2.59100	2.60916		
	2.49779	2.53449	2.55701				2.53763	1.949
100 ~ 1,2,3- Trimethylbenzene	1.79869	1.92345	1.79670	1.82044	1.82990	1.82013		
	1.77597	1.79038	1.83262				1.82092	2.359
101 ~ n-butylcyclohexane	+++++	1.73107	1.69946	1.64486	1.69254	1.67673		
	1.59168	1.60217	1.59739				1.65449	3.220
102 ~ Indane	2.02648	2.00499	1.95605	1.88126	1.97908	1.96361		
	1.89707	1.94678	1.93578				1.95457	2.392
103 1,2-Dichlorobenzene	+++++	1.33673	1.28545	1.27671	1.33375	1.32581		
	1.29007	1.34082	1.38446				1.32173	2.718
104 n-butylbenzene	+++++	2.36666	2.38808	2.35156	2.48244	2.45165		
	2.32280	2.31182	2.28670				2.37021	2.877
105 ~ Indene	+++++	1.58132	1.65201	1.70659	1.87134	1.96019		
	1.87642	2.00579	2.08364				1.84216	9.702
106 Undecane	+++++	1.42638	1.59231	1.59776	1.68182	1.75934		
	1.64408	1.57704	1.41293				1.58646	7.469
107 ~ 1,2-dimethyl-4-ethylenzene	+++++	2.52925	2.52720	2.49731	2.59741	2.60941		
	2.49086	2.51377	2.49274				2.53224	1.832

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
108 ~ 1,2,4,5-tetramethylbenzene	+++++	2.49697	2.61111	2.56694	2.68393	2.72713		
	2.57192	2.57613	2.48406				2.58977	3.231
109 ~ 1,2,3,5-tetramethylbenzene	+++++	1.60107	1.67305	1.61674	1.69271	1.69304		
	1.58031	1.57705	1.55108				1.62313	3.446
110 ~ 1,2,3,4-tetramethylbenzene	+++++	2.00819	2.20753	2.13035	2.25160	2.29507		
	2.12311	2.11511	1.83042				2.12017	6.953
111 Dodecane	+++++	0.76052	1.50459	1.48468	1.32005	1.87071		
	1.66677	1.38645	0.78600				1.34747	29.167
112 1,2,4-Trichlorobenzene	0.81294	1.05916	1.20329	1.15984	1.31259	1.37220		
	1.27704	1.32806	0.83181				1.15077	18.168
113 Napthalene	1.63695	2.48094	2.89698	2.77759	3.12031	3.37106		
	3.05957	3.04561	2.28259				2.74129	19.378
114 ~ benzo(b) thiophene	1.36864	1.79680	2.14757	2.12054	2.21884	2.30385		
	2.07661	2.10319	1.51001				1.96067	16.714
115 Hexachlorobutadiene	+++++	1.15123	1.09395	1.02756	1.20867	1.18281		
	1.11860	1.19842	0.85205				1.10416	10.713
116 1,2,3-trichlorobenzene	0.84347	1.13127	1.26796	1.19139	1.36926	1.40720		
	1.25901	1.29733	0.60097				1.15198	22.949

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
117 ~ 2-Methylnaphthalene	+++++	+++++	0.20537	0.19537	0.17659	0.43038		
	0.36600	0.26573	+++++				0.27324	37.809
118 ~ 1-Methylnaphthalene	+++++	+++++	0.20413	0.18859	0.17211	0.37419		
	0.30406	0.19321	+++++				0.23938	33.854
$ 4 4-Bromofluorobenzene	0.66144	0.67543	0.68441	0.68829	0.70315	0.71261		
	0.71923	0.72638	0.73188				0.70031	3.468

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STD 1 = /chem/gcms/mr.i/R022013I.b/ricb201.d
STD 2 = /chem/gcms/mr.i/R022013I.b/ricb202.d
STD 3 = /chem/gcms/mr.i/R022013I.b/ricb203.d
STD 4 = /chem/gcms/mr.i/R022013I.b/ricb204.d
STD 5 = /chem/gcms/mr.i/R022013I.b/ricb205.d
STD 6 = /chem/gcms/mr.i/R022013I.b/ricb206.d
STD 7 = /chem/gcms/mr.i/R022013I.b/ricb207.d
STD 8 = /chem/gcms/mr.i/R022013I.b/ricb208.d
STD 9 = /chem/gcms/mr.i/R022013I.b/ricb209.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,4-Difluorobenzene	11.272	11.272	11.272	11.272	11.278	11.278	11.278	11.283	11.283	11.276
Chlorobenzene-d5	17.484	17.484	17.484	17.484	17.490	17.490	17.490	17.490	17.490	17.487
Bromochloromethane	9.088	9.088	9.088	9.089	9.088	9.094	9.094	9.099	9.105	9.092
4-Bromofluorobenzene	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156
~ 2-Methylnaphthalene	NA	NA	1.714	1.714	1.714	1.714	1.714	1.714	NA	1.714
Chlorodifluoromethane	0.461	0.461	0.461	0.460	0.461	0.460	0.460	0.460	0.460	0.460
Propene	NA	NA	0.462	0.461	0.461	0.462	0.462	0.461	0.461	0.461
Dichlorodifluoromethane	0.467	0.468	0.467	0.467	0.467	0.468	0.467	0.467	0.467	0.467
Chloromethane	NA	0.487	0.487	0.486	0.487	0.486	0.486	0.486	0.486	0.486
1,2-Dichlorotetrafluoroethan	0.487	0.488	0.487	0.487	0.488	0.488	0.488	0.487	0.488	0.488
Methanol	NA	NA	NA	NA	0.503	0.502	0.502	0.502	0.502	0.502
~ acetaldehyde	NA	NA	NA	0.503	0.503	0.502	0.502	0.503	0.502	0.502
Vinyl Chloride	0.505	0.506	0.505	0.505	0.505	0.505	0.505	0.504	0.505	0.505
n-Butane	0.515	0.515	0.515	0.515	0.515	0.515	0.515	0.515	0.514	0.515
1,3-Butadiene	0.514	0.515	0.515	0.514	0.515	0.514	0.514	0.515	0.514	0.514
Bromomethane	0.549	0.548	0.548	0.548	0.548	0.549	0.549	0.548	0.548	0.548
Chloroethane	0.563	0.564	0.563	0.563	0.564	0.564	0.564	0.563	0.564	0.564
~ ethanol	NA	0.577	0.576	0.575	0.576	0.575	0.575	0.576	0.576	0.576
Vinyl Bromide	0.595	0.596	0.595	0.596	0.596	0.596	0.596	0.596	0.595	0.596
2-methyl butane	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.601	0.602
Trichlorofluoromethane	0.624	0.625	0.624	0.624	0.624	0.625	0.625	0.624	0.624	0.624
Acrolein	NA	NA	0.625	0.624	0.624	0.624	0.624	0.624	0.624	0.624
Acetonitrile	NA	NA	0.632	0.630	0.630	0.630	0.630	0.630	0.630	0.630
Acetone	NA	NA	NA	NA	0.636	0.636	0.636	0.636	0.636	0.636
Isopropyl alcohol	NA	NA	NA	0.647	0.648	0.646	0.647	0.647	0.648	0.647
Pentane	NA	0.648	0.648	0.648	0.649	0.648	0.648	0.648	0.648	0.648
Ethyl Ether	0.666	0.666	0.665	0.665	0.665	0.664	0.664	0.664	0.664	0.665
1,1-Dichloroethene	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.697	0.698
tert-butanol	NA	0.711	0.709	0.709	0.709	0.708	0.709	0.709	0.709	0.709
Acrylonitrile	0.707	0.707	0.706	0.706	0.706	0.706	0.706	0.706	0.706	0.706
1,1,2-Trichlorotrifluoroetha	0.718	0.718	0.717	0.717	0.718	0.717	0.717	0.717	0.717	0.717
Methylene Chloride	NA	NA	0.732	0.733	0.733	0.733	0.733	0.733	0.733	0.733
3-Chloropropene	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735
Carbon Disulfide	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.750	0.751	0.751
trans-1,2-Dichloroethene	0.818	0.819	0.819	0.818	0.819	0.818	0.818	0.819	0.819	0.818
~ 2-Methyl Pentane	NA	0.822	0.822	0.822	0.822	0.822	0.823	0.822	0.822	0.822
Methyl-t-Butyl Ether	0.834	0.834	0.833	0.833	0.833	0.832	0.832	0.832	0.832	0.833

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:02/21/2013

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /chem/gcms/mr.i/R022013I.b/ricb201.d
STD 2 = /chem/gcms/mr.i/R022013I.b/ricb202.d
STD 3 = /chem/gcms/mr.i/R022013I.b/ricb203.d
STD 4 = /chem/gcms/mr.i/R022013I.b/ricb204.d
STD 5 = /chem/gcms/mr.i/R022013I.b/ricb205.d
STD 6 = /chem/gcms/mr.i/R022013I.b/ricb206.d
STD 7 = /chem/gcms/mr.i/R022013I.b/ricb207.d
STD 8 = /chem/gcms/mr.i/R022013I.b/ricb208.d
STD 9 = /chem/gcms/mr.i/R022013I.b/ricb209.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,1-Dichloroethane	0.862	0.862	0.862	0.862	0.862	0.862	0.862	0.861	0.861	0.862
Vinyl Acetate	0.873	0.873	0.873	0.873	0.873	0.872	0.872	0.872	0.873	0.873
2-Butanone	NA	NA	0.920	0.919	0.919	0.919	0.919	0.918	0.918	0.919
Hexane	0.926	0.927	0.926	0.926	0.926	0.926	0.926	0.926	0.925	0.926
cis 1,2-Dichloroethene	0.966	0.966	0.966	0.965	0.966	0.965	0.966	0.965	0.965	0.966
Ethyl acetate	NA	0.987	0.986	0.986	0.985	0.984	0.984	0.984	0.985	0.985
Chloroform	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002
Tetrahydrofuran	NA	1.049	1.047	1.047	1.046	1.045	1.045	1.044	1.044	1.046
1,1,1-Trichloroethane	1.113	1.113	1.113	1.113	1.113	1.113	1.113	1.112	1.112	1.113
1,2-Dichloroethane	0.904	0.905	0.904	0.905	0.904	0.904	0.905	0.905	0.905	0.904
1-Butanol	NA	NA	NA	0.948	0.947	0.947	0.946	0.946	0.946	0.947
Benzene	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950
Cyclohexane	0.952	0.952	0.952	0.952	0.951	0.951	0.952	0.951	0.952	0.952
Carbon Tetrachloride	0.953	0.953	0.953	0.953	0.953	0.953	0.953	0.953	0.953	0.953
~ 2,3-dimethylpentane	0.964	0.963	0.963	0.964	0.963	0.963	0.963	0.963	0.964	0.963
~ Thiophene	0.975	0.975	0.974	0.975	0.974	0.974	0.975	0.974	0.975	0.974
2,2,4-trimethylpentane	1.025	1.025	1.024	1.024	1.024	1.024	1.024	1.024	1.025	1.024
Heptane	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062
1,2-Dichloropropane	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.065	1.066	1.066
Trichloroethene	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071
Dibromomethane	1.077	1.077	1.077	1.077	1.077	1.077	1.077	1.077	1.077	1.077
Bromodichloromethane	1.093	1.094	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093
1,4-dioxane	NA	1.097	1.096	1.096	1.095	1.094	1.094	1.094	1.094	1.095
Methyl Methacrylate	NA	1.105	1.105	1.104	1.104	1.104	1.104	1.104	1.104	1.104
~ 1-Methylnaphthalene	NA	NA	1.733	1.733	1.732	1.732	1.732	1.732	NA	1.732
~ methyl cyclohexane	1.154	1.154	1.154	1.153	1.153	1.153	1.153	1.153	1.153	1.153
4-Methyl-2-pentanone	NA	NA	1.197	1.196	1.196	1.196	1.196	1.195	1.196	1.196
cis-1,3-Dichloropropene	1.202	1.202	1.202	1.201	1.201	1.201	1.201	1.201	1.202	1.201
trans-1,3-Dichloropropene	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827
Toluene	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.838	0.837
1,1,2-Trichloroethane	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
~ 2-methyl thiophene	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.849	0.849	0.848
~ 3-methyl thiophene	0.865	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.865	0.864
2-Hexanone	NA	0.874	0.874	0.874	0.874	0.874	0.874	0.874	0.874	0.874
Octane	0.895	0.896	0.895	0.895	0.895	0.895	0.895	0.895	0.896	0.895
Dibromochloromethane	0.898	0.898	0.897	0.897	0.897	0.897	0.897	0.897	0.898	0.897
1,2-Dibromoethane	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921

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 = /chem/gcms/mr.i/R022013I.b/ricb201.d
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STD 6 = /chem/gcms/mr.i/R022013I.b/ricb206.d
STD 7 = /chem/gcms/mr.i/R022013I.b/ricb207.d
STD 8 = /chem/gcms/mr.i/R022013I.b/ricb208.d
STD 9 = /chem/gcms/mr.i/R022013I.b/ricb209.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
Tetrachloroethene	0.929	0.929	0.929	0.929	0.929	0.929	0.929	0.929	0.929	0.929
Chlorobenzene	1.005	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.005	1.004
~ 2,3-dimethylheptane	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012
Ethylbenzene	1.033	1.033	1.032	1.032	1.032	1.032	1.032	1.032	1.033	1.032
~ 2-ethyl thiophene	1.042	1.042	1.041	1.041	1.041	1.041	1.041	1.042	1.042	1.041
m&p-Xylene	1.048	1.048	1.048	1.048	1.048	1.048	1.048	1.048	1.048	1.048
Nonane	NA	1.094	1.093	1.094	1.093	1.093	1.093	1.093	1.094	1.093
Bromoform	NA	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086
Styrene	NA	1.092	1.091	1.091	1.091	1.091	1.091	1.091	1.092	1.091
o-Xylene	1.097	1.097	1.097	1.097	1.097	1.097	1.097	1.097	1.097	1.097
1,1,2,2-Tetrachloroethane	1.128	1.128	1.128	1.128	1.128	1.127	1.127	1.128	1.128	1.128
1,2,3-Trichloropropane	1.143	1.143	1.143	1.143	1.143	1.143	1.143	1.143	1.143	1.143
Cumene	NA	1.155	1.155	1.155	1.155	1.155	1.155	1.155	1.156	1.155
n-Propylbenzene	NA	1.210	1.210	1.210	1.210	1.210	1.210	1.210	1.210	1.210
2-chlorotoluene	1.212	1.212	1.212	1.212	1.212	1.212	1.212	1.212	1.212	1.212
4-Ethyltoluene	NA	1.227	1.227	1.227	1.227	1.227	1.227	1.227	1.227	1.227
1,3,5-Trimethylbenzene	NA	1.236	1.236	1.236	1.235	1.235	1.235	1.236	1.236	1.236
Alpha-Methylstyrene	NA	NA	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260
Decane	1.275	1.275	1.274	1.275	1.274	1.274	1.274	1.275	1.275	1.274
tert-butylbenzene	NA	1.282	1.282	1.282	1.281	1.281	1.281	1.281	1.282	1.282
1,2,4-Trimethylbenzene	1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.284	1.283
sec-butylbenzene	NA	1.313	1.313	1.313	1.313	1.313	1.313	1.314	1.314	1.313
1,3-Dichlorobenzene	NA	1.311	1.311	1.311	1.311	1.311	1.311	1.311	1.311	1.311
Benzyl Chloride	NA	1.321	1.321	1.321	1.321	1.321	1.321	1.321	1.321	1.321
1,4-Dichlorobenzene	NA	1.322	1.322	1.322	1.322	1.322	1.322	1.322	1.322	1.322
p-Cymene	1.335	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.335	1.334
~ 1,2,3- Trimethylbenzene	1.338	1.338	1.338	1.338	1.338	1.338	1.338	1.338	1.338	1.338
~ n-butylcyclohexane	NA	1.348	1.348	1.348	1.348	1.348	1.348	1.348	1.348	1.348
~ Indane	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366
1,2-Dichlorobenzene	NA	1.364	1.364	1.364	1.364	1.364	1.364	1.365	1.365	1.364
n-butylbenzene	NA	1.388	1.388	1.388	1.388	1.388	1.388	1.388	1.388	1.388
~ Indene	NA	1.382	1.382	1.382	1.381	1.381	1.381	1.381	1.382	1.382
Undecane	NA	1.439	1.439	1.439	1.439	1.439	1.439	1.439	1.440	1.439
~ 1,2-dimethyl-4-ethylenzene	NA	1.438	1.438	1.437	1.437	1.437	1.437	1.437	1.437	1.437
~ 1,2,4,5-tetramethylbenzene	NA	1.490	1.490	1.490	1.489	1.489	1.490	1.490	1.490	1.490
~ 1,2,3,5-tetramethylbenzene	NA	1.497	1.497	1.497	1.496	1.496	1.497	1.497	1.497	1.497
~ 1,2,3,4-tetramethylbenzene	NA	1.547	1.547	1.547	1.546	1.547	1.547	1.547	1.547	1.547

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:02/21/2013

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /chem/gcms/mr.i/R022013I.b/ricb201.d
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STD 6 = /chem/gcms/mr.i/R022013I.b/ricb206.d
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STD 9 = /chem/gcms/mr.i/R022013I.b/ricb209.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
Dodecane	NA	1.580	1.580	1.580	1.579	1.579	1.579	1.580	1.580	1.580
1,2,4-Trichlorobenzene	1.586	1.586	1.586	1.586	1.585	1.585	1.585	1.585	1.586	1.586
Napthalene	1.599	1.599	1.599	1.599	1.599	1.599	1.599	1.599	1.599	1.599
~ benzo(b) thiophene	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.610
Hexachlorobutadiene	NA	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628
1,2,3-trichlorobenzene	1.631	1.631	1.631	1.631	1.631	1.631	1.631	1.631	1.631	1.631

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.

Data File: /chem/gcms/mr.i/R022013I.b/ricb201.d
Report Date: 21-Feb-2013 12:03

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb201.d
Lab Smp Id: ICAL1 Client Smp ID: STD0.04
Inj Date : 20-FEB-2013 17:04
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL1,1,1,1,,STD0.04
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 17:04 Cal File: ricb201.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.089	9.089	(1.000)	459092	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.273	11.278	(1.000)	2272465	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.485	17.490	(1.000)	1582153	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1046505	4.00000	3.958
	5 Chlorodifluoromethane	67	4.192	4.187	(0.461)	2386	0.04000	0.04308
	6 Propene	41	4.198	4.192	(0.462)	9894	0.04000	0.000
	7 Dichlorodifluoromethane	85	4.246	4.246	(0.467)	22519	0.04000	0.04094
	8 Chloromethane	52	4.424	4.424	(0.487)	4064	0.04000	0.05583
	9 1,2-Dichlorotetrafluoroethane	135	4.430	4.435	(0.487)	17844	0.04000	0.04111
	10 Methanol	31	4.581	4.570	(0.504)	12791	0.04000	0.000
	11 ~ acetaldehyde	44	4.575	4.570	(0.503)	53047	0.20000	0.000
	12 Vinyl Chloride	62	4.591	4.591	(0.505)	9544	0.04000	0.04116
	13 n-Butane	43	4.678	4.678	(0.515)	15365	0.04000	0.04094
	14 1,3-Butadiene	54	4.672	4.678	(0.514)	7469	0.04000	0.04051
	15 Bromomethane	94	4.990	4.985	(0.549)	10140	0.04000	0.04313
	16 Chloroethane	64	5.120	5.125	(0.563)	5056	0.04000	0.04206

Data File: /chem/gcms/mr.i/R022013I.b/ricb201.d
Report Date: 21-Feb-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	5.244	5.233	(0.577)	18350	0.20000	0.2122
18 Vinyl Bromide	106	5.411	5.416	(0.595)	8692	0.04000	0.04109
19 2-methyl butane	43	5.470	5.470	(0.602)	10709	0.04000	0.04115
20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	20922	0.04000	0.04074
21 Acrolein	56	5.681	5.670	(0.625)	4149	0.04000	0.000
23 Acetone	58	5.805	5.783	(0.639)	29728	0.04000	0.000
24 Isopropyl alcohol	45	5.896	5.885	(0.649)	24876	0.04000	0.000
25 Pentane	72	5.886	5.896	(0.648)	1699	0.04000	0.04236
26 Ethyl Ether	31	6.058	6.047	(0.667)	8804	0.04000	0.04009
27 1,1-Dichloroethene	96	6.344	6.344	(0.698)	8660	0.04000	0.04129
28 tert-butanol	59	6.463	6.441	(0.711)	14447	0.04000	0.04328
29 Acrylonitrile	53	6.425	6.419	(0.707)	5683	0.04000	0.03812
30 1,1,2-Trichlorotrifluoroethane	101	6.522	6.522	(0.718)	17316	0.04000	0.04081
31 Methylene Chloride	84	6.662	6.662	(0.733)	11327	0.04000	0.000
32 3-Chloropropene	39	6.678	6.684	(0.735)	6382	0.04000	0.04194
33 Carbon Disulfide	76	6.824	6.824	(0.751)	24113	0.04000	0.04079
34 trans-1,2-Dichloroethene	96	7.439	7.444	(0.818)	9115	0.04000	0.04150
35 ~ 2-Methyl Pentane	43	7.476	7.476	(0.823)	19546	0.04000	0.04200
36 Methyl-t-Butyl Ether	73	7.584	7.568	(0.834)	21895	0.04000	0.04165
37 1,1-Dichloroethane	63	7.832	7.832	(0.862)	14641	0.04000	0.04039
38 Vinyl Acetate	43	7.935	7.935	(0.873)	18429	0.04000	0.04027
39 2-Butanone	72	8.371	8.355	(0.921)	6148	0.04000	0.000
40 Hexane	56	8.415	8.420	(0.926)	7220	0.04000	0.04072
41 cis 1,2-Dichloroethene	96	8.776	8.776	(0.966)	9528	0.04000	0.04292
42 Ethyl acetate	43	8.970	8.954	(0.987)	18393	0.04000	0.04421
43 Chloroform	83	9.105	9.110	(1.002)	16772	0.04000	0.04118
44 Tetrahydrofuran	42	9.542	9.509	(1.050)	10052	0.04000	0.04228
45 1,1,1-Trichloroethane	97	10.113	10.118	(1.113)	15747	0.04000	0.04066
46 1,2-Dichloroethane	62	10.194	10.199	(0.904)	11105	0.04000	0.04097
47 1-Butanol	31	10.701	10.679	(0.949)	2039	0.04000	0.000
48 Benzene	78	10.712	10.712	(0.950)	26668	0.04000	0.04139
49 Cyclohexane	69	10.728	10.728	(0.952)	3913	0.04000	0.04030
50 Carbon Tetrachloride	117	10.744	10.744	(0.953)	15160	0.04000	0.04060
51 ~ 2,3-dimethylpentane	71	10.863	10.863	(0.964)	5206	0.04000	0.04118
52 ~ Thiophene	84	10.987	10.987	(0.975)	14401	0.04000	0.04022
53 2,2,4-trimethylpentane	57	11.553	11.553	(1.025)	41122	0.04000	0.04090
54 Heptane	71	11.968	11.973	(1.062)	8809	0.04000	0.04063
55 1,2-Dichloropropane	63	12.017	12.017	(1.066)	9039	0.04000	0.04023
56 Trichloroethene	130	12.071	12.076	(1.071)	10783	0.04000	0.04053
57 Dibromomethane	93	12.141	12.146	(1.077)	8489	0.04000	0.04040
58 Bromodichloromethane	83	12.324	12.324	(1.093)	14266	0.04000	0.04029
59 1,4-dioxane	88	12.362	12.346	(1.097)	1685	0.04000	0.02818
60 Methyl Methacrylate	41	12.453	12.448	(1.105)	8591	0.04000	0.04112
61 ~ methyl cyclohexane	83	13.003	13.003	(1.154)	14361	0.04000	0.04016
62 4-Methyl-2-pentanone	43	13.494	13.483	(1.197)	16495	0.04000	0.000
63 cis-1,3-Dichloropropene	75	13.553	13.548	(1.202)	12468	0.04000	0.04112
64 trans-1,3-Dichloropropene	75	14.454	14.459	(0.827)	12054	0.04000	0.04085

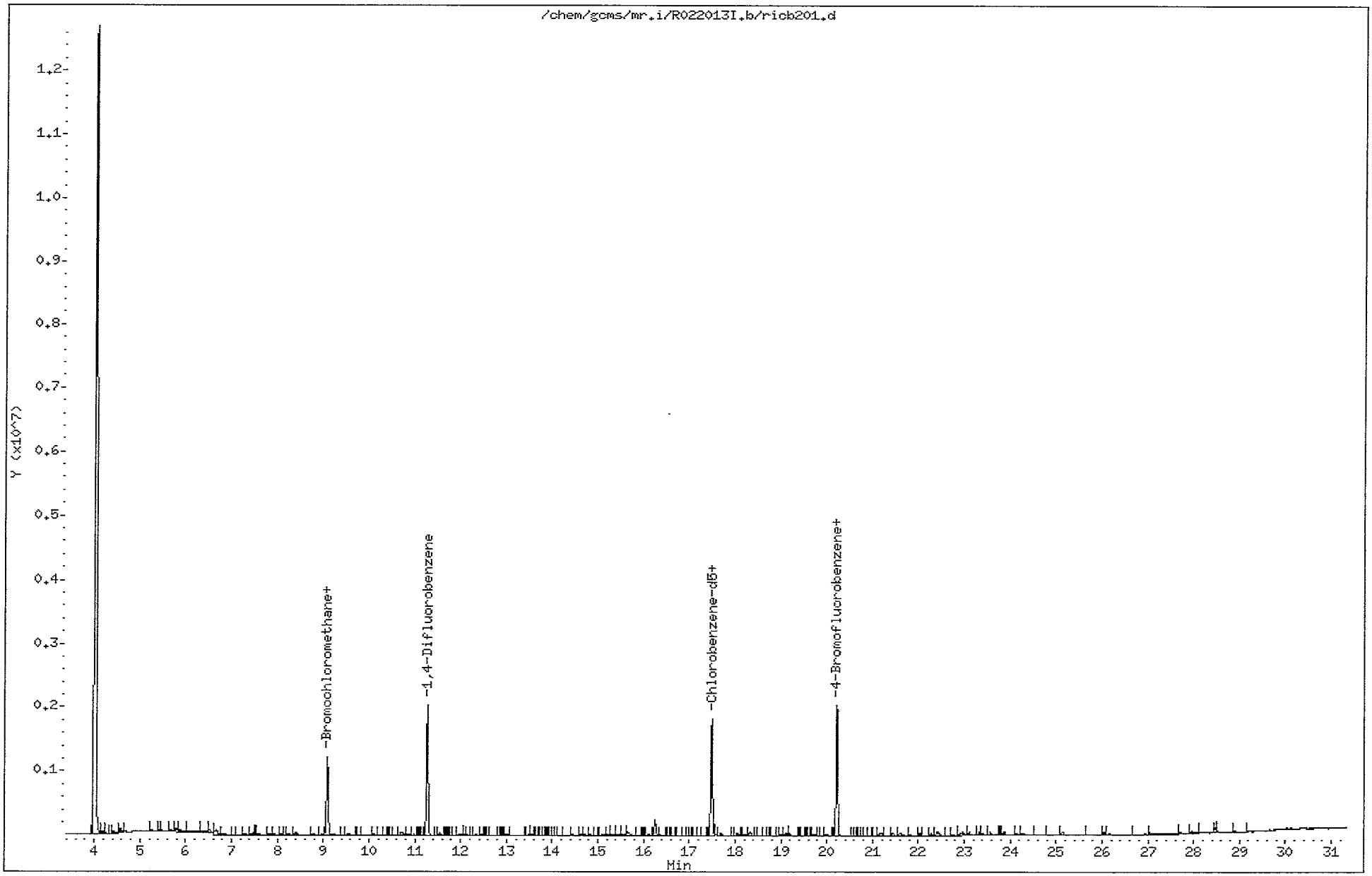
Data File: /chem/gcms/mr.i/R022013I.b/ricb201.d
Report Date: 21-Feb-2013 12:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65	Toluene	91	14.637	14.637	(0.837)	29537	0.04000	0.04100
66	1,1,2-Trichloroethane	83	14.724	14.718	(0.842)	7895	0.04000	0.04086
67	~ 2-methyl thiophene	97	14.831	14.837	(0.848)	23040	0.04000	0.04035
68	~ 3-methyl thiophene	97	15.117	15.112	(0.865)	24080	0.04000	0.04083
69	2-Hexanone	58	15.290	15.279	(0.874)	2326	0.04000	0.01306
70	Octane	85	15.656	15.662	(0.895)	9361	0.04000	0.04085
71	Dibromochloromethane	129	15.694	15.689	(0.898)	12233	0.04000	0.04100
72	1,2-Dibromoethane	107	16.104	16.104	(0.921)	12145	0.04000	0.03971
73	Tetrachloroethene	129	16.250	16.250	(0.929)	10271	0.04000	0.04107
74	Chlorobenzene	112	17.565	17.565	(1.005)	22316	0.04000	0.04048
75	~ 2,3-dimethylheptane	43	17.695	17.695	(1.012)	25971	0.04000	0.04090
76	Ethylbenzene	91	18.056	18.056	(1.033)	36218	0.04000	0.04102
77	~ 2-ethyl thiophene	97	18.212	18.212	(1.042)	26148	0.04000	0.04105
78	m&p-Xylene	91	18.326	18.326	(1.048)	55378	0.08000	0.08195
79	Nonane	57	19.124	19.124	(1.094)	18030	0.04000	0.03986
80	Bromoform	173	18.994	18.989	(1.086)	9294	0.04000	0.04013
81	Styrene	104	19.081	19.086	(1.091)	14083	0.04000	0.03859
82	o-Xylene	91	19.189	19.183	(1.097)	28745	0.04000	0.04074
M 83	Xylene (total)	100				84123	0.12000	0.1227
84	1,1,2,2-Tetrachloroethane	83	19.717	19.722	(1.128)	18782	0.04000	0.04015
85	1,2,3-Trichloropropane	110	19.981	19.987	(1.143)	6137	0.04000	0.04115
86	Cumene	105	20.208	20.202	(1.156)	41595	0.04000	0.04171
87	n-Propylbenzene	120	21.162	21.162	(1.210)	10791	0.04000	0.03957
88	2-chlorotoluene	126	21.194	21.194	(1.212)	10402	0.04000	0.04077
89	4-Ethyltoluene	105	21.453	21.453	(1.227)	39984	0.04000	0.04080
90	1,3,5-Trimethylbenzene	120	21.604	21.604	(1.236)	18308	0.04000	0.04003
91	Alpha-Methylstyrene	118	22.030	22.036	(1.260)	9092	0.04000	0.000
92	Decane	57	22.289	22.289	(1.275)	19922	0.04000	0.03833
93	tert-butylbenzene	119	22.408	22.408	(1.282)	35823	0.04000	0.04011
94	1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	31424	0.04000	0.03948
95	sec-butylbenzene	105	22.969	22.969	(1.314)	48863	0.04000	0.04001
96	1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	21328	0.04000	0.03973
97	Benzyl Chloride	91	23.098	23.098	(1.321)	21580	0.04000	0.03624
98	1,4-Dichlorobenzene	146	23.114	23.114	(1.322)	21021	0.04000	0.03930
99	p-Cymene	119	23.335	23.330	(1.335)	39354	0.04000	0.03925
100	~ 1,2,3- Trimethylbenzene	105	23.395	23.395	(1.338)	28458	0.04000	0.03866
101	~ n-butylcyclohexane	83	23.573	23.572	(1.348)	26498	0.04000	0.03870
102	~ Indane	117	23.885	23.885	(1.366)	32062	0.04000	0.04021
103	1,2-Dichlorobenzene	146	23.858	23.864	(1.365)	21232	0.04000	0.04016
104	n-butylbenzene	91	24.279	24.279	(1.389)	34691	0.04000	0.03706
105	~ Indene	116	24.160	24.160	(1.382)	23601	0.04000	0.03773
106	Undecane	57	25.163	25.169	(1.439)	18553	0.04000	0.03288
107	~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.438)	36537	0.04000	0.03652
108	~ 1,2,4,5-tetramethylbenzene	119	26.048	26.048	(1.490)	32982	0.04000	0.03339
109	~ 1,2,3,5-tetramethylbenzene	119	26.172	26.172	(1.497)	22201	0.04000	0.03506
110	~ 1,2,3,4-tetramethylbenzene	119	27.045	27.045	(1.547)	25042	0.04000	0.03153
111	Dodecane	57	27.628	27.622	(1.580)	1895	0.04000	0.01088

Data File: /chem/gcms/mr.i/R022013I.b/ricb201.d
Report Date: 21-Feb-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
112 1,2,4-Trichlorobenzene	180	27.725	27.725	(1.586)	12862	0.04000	0.03474
113 Napthalene	128	27.962	27.962	(1.599)	25899	0.04000	0.03180
114 ~ benzo(b) thiophene	134	28.156	28.151	(1.610)	21654	0.04000	0.03459
115 Hexachlorobutadiene	225	28.469	28.474	(1.628)	17026	0.04000	0.03739
116 1,2,3-trichlorobenzene	180	28.523	28.523	(1.631)	13345	0.04000	0.03417

Data File: /chem/gcms/mr.i/R022013I.b/ricb201.d
Date : 20-FEB-2013 17:04
Client ID: STD0.04
Instrument: mr.i
Sample Info: ICAL1,1,1,1,,STD0.04
Purge Volume: 500.0
Operator: 060487
Column phase: Rtx-5
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/ricb202.d
Report Date: 21-Feb-2013 12:03

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb202.d
Lab Smp Id: ICAL2 Client Smp ID: STD0.08
Inj Date : 20-FEB-2013 17:52
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL2,1,1,2,,STD0.08
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 17:52 Cal File: ricb202.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.088	9.089	(1.000)	465844	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.272	11.278	(1.000)	2297612	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.484	17.490	(1.000)	1628035	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1099623	4.00000	4.042
	5 Chlorodifluoromethane	67	4.192	4.187	(0.461)	4150	0.08000	0.07384
	6 Propene	41	4.203	4.192	(0.462)	17633	0.08000	0.000
	7 Dichlorodifluoromethane	85	4.252	4.246	(0.468)	43602	0.08000	0.07812
	8 Chloromethane	52	4.424	4.424	(0.487)	5909	0.08000	0.08000
	9 1,2-Dichlorotetrafluoroethane	135	4.435	4.435	(0.488)	34259	0.08000	0.07778
	10 Methanol	31	4.575	4.570	(0.503)	18293	0.08000	0.000
	11 ~ acetaldehyde	44	4.575	4.570	(0.503)	100183	0.40000	0.000
	12 Vinyl Chloride	62	4.597	4.591	(0.506)	18274	0.08000	0.07767
	13 n-Butane	43	4.683	4.678	(0.515)	29744	0.08000	0.07811
	14 1,3-Butadiene	54	4.678	4.678	(0.515)	14774	0.08000	0.07897
	15 Bromomethane	94	4.985	4.985	(0.548)	17590	0.08000	0.07374
	16 Chloroethane	64	5.130	5.125	(0.564)	9253	0.08000	0.07587

Data File: /chem/gcms/mr.i/R022013I.b/ricb202.d
Report Date: 21-Feb-2013 12:03

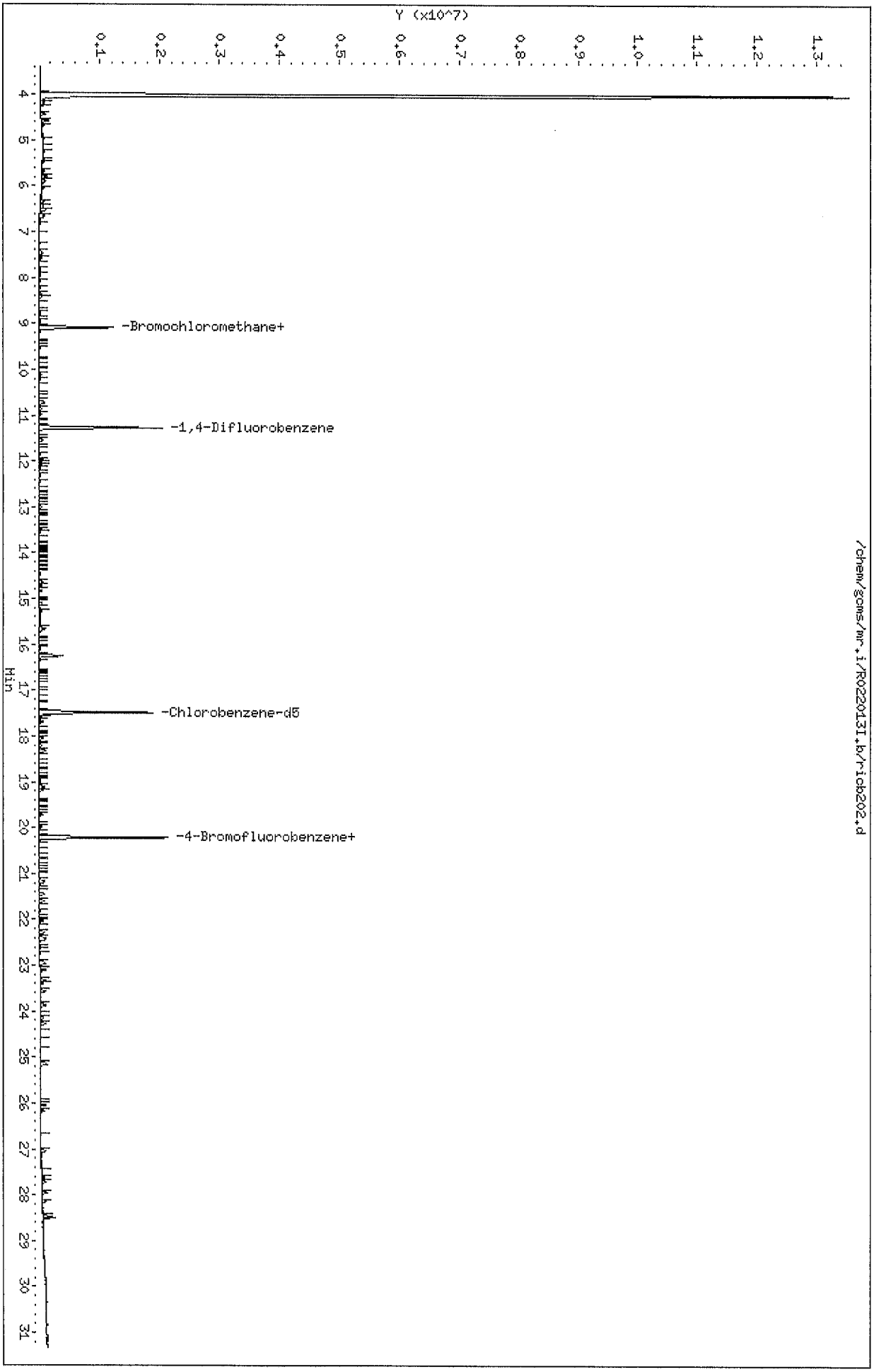
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	5.244	5.233	(0.577)	35107	0.40000	0.4000
18 Vinyl Bromide	106	5.416	5.416	(0.596)	16706	0.08000	0.07782
19 2-methyl butane	43	5.470	5.470	(0.602)	20521	0.08000	0.07770
20 Trichlorofluoromethane	101	5.680	5.675	(0.625)	40910	0.08000	0.07851
21 Acrolein	56	5.686	5.670	(0.626)	8141	0.08000	0.000
23 Acetone	58	5.804	5.783	(0.639)	55777	0.08000	0.000
24 Isopropyl alcohol	45	5.896	5.885	(0.649)	38867	0.08000	0.000
25 Pentane	72	5.891	5.896	(0.648)	3256	0.08000	0.08000
26 Ethyl Ether	31	6.058	6.047	(0.667)	17789	0.08000	0.07982
27 1,1-Dichloroethene	96	6.349	6.344	(0.699)	16477	0.08000	0.07742
28 tert-butanol	59	6.462	6.441	(0.711)	27094	0.08000	0.08000
29 Acrylonitrile	53	6.425	6.419	(0.707)	12671	0.08000	0.08376
30 1,1,2-Trichlorotrifluoroethane	101	6.522	6.522	(0.718)	33752	0.08000	0.07839
31 Methylene Chloride	84	6.662	6.662	(0.733)	18619	0.08000	0.000
32 3-Chloropropene	39	6.683	6.684	(0.735)	11752	0.08000	0.07611
33 Carbon Disulfide	76	6.829	6.824	(0.751)	47047	0.08000	0.07843
34 trans-1,2-Dichloroethene	96	7.444	7.444	(0.819)	17161	0.08000	0.07700
35 ~ 2-Methyl Pentane	43	7.476	7.476	(0.823)	37775	0.08000	0.08000
36 Methyl-t-Butyl Ether	73	7.579	7.568	(0.834)	40906	0.08000	0.07669
37 1,1-Dichloroethane	63	7.837	7.832	(0.862)	29136	0.08000	0.07922
38 Vinyl Acetate	43	7.934	7.935	(0.873)	36899	0.08000	0.07946
39 2-Butanone	72	8.371	8.355	(0.921)	12026	0.08000	0.000
40 Hexane	56	8.425	8.420	(0.927)	14136	0.08000	0.07856
41 cis 1,2-Dichloroethene	96	8.781	8.776	(0.966)	16709	0.08000	0.07417
42 Ethyl acetate	43	8.970	8.954	(0.987)	33770	0.08000	0.08000
43 Chloroform	83	9.110	9.110	(1.002)	32078	0.08000	0.07763
44 Tetrahydrofuran	42	9.536	9.509	(1.049)	19301	0.08000	0.08000
45 1,1,1-Trichloroethane	97	10.118	10.118	(1.113)	30922	0.08000	0.07868
46 1,2-Dichloroethane	62	10.205	10.199	(0.905)	21393	0.08000	0.07806
47 1-Butanol	31	10.701	10.679	(0.949)	4617	0.08000	0.000
48 Benzene	78	10.712	10.712	(0.950)	50299	0.08000	0.07722
49 Cyclohexane	69	10.733	10.728	(0.952)	7794	0.08000	0.07940
50 Carbon Tetrachloride	117	10.744	10.744	(0.953)	29755	0.08000	0.07881
51 ~ 2,3-dimethylpentane	71	10.857	10.863	(0.963)	9926	0.08000	0.07765
52 ~ Thiophene	84	10.987	10.987	(0.975)	28802	0.08000	0.07956
53 2,2,4-trimethylpentane	57	11.558	11.553	(1.025)	79498	0.08000	0.07820
54 Heptane	71	11.973	11.973	(1.062)	17260	0.08000	0.07874
55 1,2-Dichloropropane	63	12.017	12.017	(1.066)	18068	0.08000	0.07954
56 Trichloroethene	130	12.070	12.076	(1.071)	21237	0.08000	0.07894
57 Dibromomethane	93	12.146	12.146	(1.077)	16829	0.08000	0.07921
58 Bromodichloromethane	83	12.329	12.324	(1.094)	28431	0.08000	0.07942
59 1,4-dioxane	88	12.367	12.346	(1.097)	6266	0.08000	0.1036
60 Methyl Methacrylate	41	12.453	12.448	(1.105)	16899	0.08000	0.08000
61 ~ methyl cyclohexane	83	13.003	13.003	(1.154)	28804	0.08000	0.07967
62 4-Methyl-2-pentanone	43	13.494	13.483	(1.197)	32747	0.08000	0.000
63 cis-1,3-Dichloropropene	75	13.548	13.548	(1.202)	23843	0.08000	0.07777
64 trans-1,3-Dichloropropene	75	14.459	14.459	(0.827)	23773	0.08000	0.07830

Data File: /chem/gcms/mr.i/R022013I.b/ricb202.d
Report Date: 21-Feb-2013 12:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
65	Toluene	91	14.637	14.637	(0.837)	57820	0.08000	0.07800
66	1,1,2-Trichloroethane	83	14.723	14.718	(0.842)	15562	0.08000	0.07827
67	~ 2-methyl thiophene	97	14.837	14.837	(0.849)	46592	0.08000	0.07930
68	~ 3-methyl thiophene	97	15.112	15.112	(0.864)	47530	0.08000	0.07833
69	2-Hexanone	58	15.290	15.279	(0.874)	14665	0.08000	0.08000
70	Octane	85	15.662	15.662	(0.896)	18460	0.08000	0.07829
71	Dibromochloromethane	129	15.694	15.689	(0.898)	23953	0.08000	0.07801
72	1,2-Dibromoethane	107	16.104	16.104	(0.921)	25362	0.08000	0.08058
73	Tetrachloroethene	129	16.250	16.250	(0.929)	20033	0.08000	0.07785
74	Chlorobenzene	112	17.560	17.565	(1.004)	44825	0.08000	0.07903
75	~ 2,3-dimethylheptane	43	17.689	17.695	(1.012)	51093	0.08000	0.07820
76	Ethylbenzene	91	18.056	18.056	(1.033)	70844	0.08000	0.07797
77	~ 2-ethyl thiophene	97	18.212	18.212	(1.042)	51047	0.08000	0.07789
78	m&p-Xylene	91	18.331	18.326	(1.048)	108553	0.16000	0.1561
79	Nonane	57	19.124	19.124	(1.094)	37233	0.08000	0.08000
80	Bromoform	173	18.983	18.989	(1.086)	19064	0.08000	0.08000
81	Styrene	104	19.086	19.086	(1.092)	30042	0.08000	0.08000
82	o-Xylene	91	19.183	19.183	(1.097)	57007	0.08000	0.07852
M 83	Xylene (total)	100				165560	0.24000	0.2346
84	1,1,2,2-Tetrachloroethane	83	19.722	19.722	(1.128)	38357	0.08000	0.07969
85	1,2,3-Trichloropropane	110	19.986	19.987	(1.143)	11923	0.08000	0.07770
86	Cumene	105	20.202	20.202	(1.155)	82089	0.08000	0.08000
87	n-Propylbenzene	120	21.162	21.162	(1.210)	22450	0.08000	0.08000
88	2-chlorotoluene	126	21.194	21.194	(1.212)	20600	0.08000	0.07846
89	4-Ethyltoluene	105	21.453	21.453	(1.227)	80676	0.08000	0.08000
90	1,3,5-Trimethylbenzene	120	21.604	21.604	(1.236)	37645	0.08000	0.08000
91	Alpha-Methylstyrene	118	22.036	22.036	(1.260)	19816	0.08000	0.000
92	Decane	57	22.289	22.289	(1.275)	44570	0.08000	0.08334
93	tert-butylbenzene	119	22.408	22.408	(1.282)	73523	0.08000	0.08000
94	1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	66386	0.08000	0.08105
95	sec-butylbenzene	105	22.963	22.969	(1.313)	100537	0.08000	0.08000
96	1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	44186	0.08000	0.08000
97	Benzyl Chloride	91	23.092	23.098	(1.321)	49016	0.08000	0.08000
98	1,4-Dichlorobenzene	146	23.109	23.114	(1.322)	44033	0.08000	0.08000
99	p-Cymene	119	23.330	23.330	(1.334)	84097	0.08000	0.08150
100	~ 1,2,3- Trimethylbenzene	105	23.389	23.395	(1.338)	62629	0.08000	0.08268
101	~ n-butylcyclohexane	83	23.572	23.572	(1.348)	56365	0.08000	0.08000
102	~ Indane	117	23.885	23.885	(1.366)	65284	0.08000	0.07957
103	1,2-Dichlorobenzene	146	23.858	23.864	(1.365)	43525	0.08000	0.08000
104	n-butylbenzene	91	24.279	24.279	(1.389)	77060	0.08000	0.08000
105	~ Indene	116	24.160	24.160	(1.382)	51489	0.08000	0.08000
106	Undecane	57	25.163	25.169	(1.439)	46444	0.08000	0.08000
107	~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.438)	82354	0.08000	0.08000
108	~ 1,2,4,5-tetramethylbenzene	119	26.047	26.048	(1.490)	81303	0.08000	0.08000
109	~ 1,2,3,5-tetramethylbenzene	119	26.172	26.172	(1.497)	52132	0.08000	0.08000
110	~ 1,2,3,4-tetramethylbenzene	119	27.045	27.045	(1.547)	65388	0.08000	0.08000
111	Dodecane	57	27.622	27.622	(1.580)	24763	0.08000	0.1382

Data File: /chem/gcms/mr.i/R022013I.b/ricb202.d
Report Date: 21-Feb-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
112 1,2,4-Trichlorobenzene	180	27.724	27.725	(1.586)	34487	0.08000	0.09052
113 Napthalene	128	27.962	27.962	(1.599)	80781	0.08000	0.09640
114 ~ benzo(b) thiophene	134	28.151	28.151	(1.610)	58505	0.08000	0.09082
115 Hexachlorobutadiene	225	28.474	28.474	(1.629)	37485	0.08000	0.08000
116 1,2,3-trichlorobenzene	180	28.517	28.523	(1.631)	36835	0.08000	0.09166
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.715)	1643	0.50000	0.000
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.733)	2002	0.50000	0.000


Data File: /chem/gcms/mr.i/R022013I.b/riob202.d
Date : 20-FEB-2013 17:52
Client ID: STD0.08
Sample Info: ICAL2,1,1,2,,STD0.08
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mr.i
Operator: 060487
Column diameter: 0.32
/chem/gcms/mr.i/R022013I.b/riob202.d
Y (x10^7)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene+

Data File: /chem/gcms/mr.i/R022013I.b/ricb203.d
Report Date: 21-Feb-2013 12:03

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb203.d
Lab Smp Id: ICAL2 Client Smp ID: STD0.16
Inj Date : 20-FEB-2013 18:39
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL2,1,1,3,,STD0.16
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 18:39 Cal File: ricb203.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.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	500.00000	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	9.089	9.089	(1.000)	473631	4.00000	4.000
* 2	1,4-Difluorobenzene	114	11.272	11.278	(1.000)	2340803	4.00000	4.000
* 3	Chlorobenzene-d5	117	17.484	17.490	(1.000)	1654983	4.00000	4.000
$ 4	4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1132688	4.00000	4.063
5	Chlorodifluoromethane	67	4.187	4.187	(0.461)	8237	0.16000	0.1491
6	Propene	41	4.198	4.192	(0.462)	28723	0.16000	0.1600
7	Dichlorodifluoromethane	85	4.246	4.246	(0.467)	86455	0.16000	0.1548
8	Chloromethane	52	4.424	4.424	(0.487)	11079	0.16000	0.1535
9	1,2-Dichlorotetrafluoroethane	135	4.430	4.435	(0.487)	67391	0.16000	0.1535
10	Methanol	31	4.570	4.570	(0.503)	26405	0.16000	0.000
11	~ acetaldehyde	44	4.570	4.570	(0.503)	179354	0.80000	0.000
12	Vinyl Chloride	62	4.591	4.591	(0.505)	35146	0.16000	0.1510
13	n-Butane	43	4.678	4.678	(0.515)	54143	0.16000	0.1460
14	1,3-Butadiene	54	4.678	4.678	(0.515)	28065	0.16000	0.1515
15	Bromomethane	94	4.985	4.985	(0.548)	32007	0.16000	0.1402
16	Chloroethane	64	5.120	5.125	(0.563)	17690	0.16000	0.1480

Data File: /chem/gcms/mr.i/R022013I.b/ricb203.d
Report Date: 21-Feb-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	5.233	5.233	(0.576)	69221	0.80000	0.7877
18 Vinyl Bromide	106	5.411	5.416	(0.595)	32077	0.16000	0.1511
19 2-methyl butane	43	5.470	5.470	(0.602)	40105	0.16000	0.1527
20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	79409	0.16000	0.1531
21 Acrolein	56	5.681	5.670	(0.625)	16950	0.16000	0.1600
22 Acetonitrile	40	5.740	5.729	(0.632)	12878	0.16000	0.1600
23 Acetone	58	5.799	5.783	(0.638)	84192	0.16000	0.000
24 Isopropyl alcohol	45	5.891	5.885	(0.648)	59854	0.16000	0.000
25 Pentane	72	5.891	5.896	(0.648)	6275	0.16000	0.1557
26 Ethyl Ether	31	6.047	6.047	(0.665)	33402	0.16000	0.1514
27 1,1-Dichloroethene	96	6.344	6.344	(0.698)	31862	0.16000	0.1513
28 tert-butanol	59	6.446	6.441	(0.709)	55744	0.16000	0.1609
29 Acrylonitrile	53	6.419	6.419	(0.706)	24477	0.16000	0.1594
30 1,1,2-Trichlorotrifluoroethane	101	6.516	6.522	(0.717)	64494	0.16000	0.1513
31 Methylene Chloride	84	6.657	6.662	(0.732)	32580	0.16000	0.1600
32 3-Chloropropene	39	6.684	6.684	(0.735)	22014	0.16000	0.1462
33 Carbon Disulfide	76	6.824	6.824	(0.751)	89312	0.16000	0.1507
34 trans-1,2-Dichloroethene	96	7.444	7.444	(0.819)	32306	0.16000	0.1479
35 ~ 2-Methyl Pentane	43	7.476	7.476	(0.823)	72541	0.16000	0.1554
36 Methyl-t-Butyl Ether	73	7.573	7.568	(0.833)	82807	0.16000	0.1550
37 1,1-Dichloroethane	63	7.832	7.832	(0.862)	56165	0.16000	0.1533
38 Vinyl Acetate	43	7.935	7.935	(0.873)	72595	0.16000	0.1558
39 2-Butanone	72	8.361	8.355	(0.920)	20012	0.16000	0.1600
40 Hexane	56	8.420	8.420	(0.926)	27459	0.16000	0.1533
41 cis 1,2-Dichloroethene	96	8.776	8.776	(0.966)	31936	0.16000	0.1457
42 Ethyl acetate	43	8.965	8.954	(0.986)	67332	0.16000	0.1584
43 Chloroform	83	9.110	9.110	(1.002)	62526	0.16000	0.1524
44 Tetrahydrofuran	42	9.520	9.509	(1.047)	36999	0.16000	0.1553
45 1,1,1-Trichloroethane	97	10.118	10.118	(1.113)	59813	0.16000	0.1530
46 1,2-Dichloroethane	62	10.194	10.199	(0.904)	41610	0.16000	0.1525
47 1-Butanol	31	10.690	10.679	(0.948)	10420	0.16000	0.000
48 Benzene	78	10.706	10.712	(0.950)	94800	0.16000	0.1481
49 Cyclohexane	69	10.728	10.728	(0.952)	14713	0.16000	0.1512
50 Carbon Tetrachloride	117	10.744	10.744	(0.953)	36635	0.16000	0.1101
51 ~ 2,3-dimethylpentane	71	10.857	10.863	(0.963)	20306	0.16000	0.1572
52 ~ Thiophene	84	10.981	10.987	(0.974)	54832	0.16000	0.1523
53 2,2,4-trimethylpentane	57	11.547	11.553	(1.024)	155804	0.16000	0.1535
54 Heptane	71	11.968	11.973	(1.062)	33485	0.16000	0.1531
55 1,2-Dichloropropane	63	12.017	12.017	(1.066)	35474	0.16000	0.1554
56 Trichloroethene	130	12.071	12.076	(1.071)	42000	0.16000	0.1554
57 Dibromomethane	93	12.141	12.146	(1.077)	33703	0.16000	0.1571
58 Bromodichloromethane	83	12.319	12.324	(1.093)	55732	0.16000	0.1551
59 1,4-dioxane	88	12.356	12.346	(1.096)	13687	0.16000	0.1656
60 Methyl Methacrylate	41	12.453	12.448	(1.105)	35221	0.16000	0.1618
61 ~ methyl cyclohexane	83	13.003	13.003	(1.154)	55808	0.16000	0.1542
62 4-Methyl-2-pentanone	43	13.489	13.483	(1.197)	64856	0.16000	0.1600
63 cis-1,3-Dichloropropene	75	13.548	13.548	(1.202)	47485	0.16000	0.1546

Data File: /chem/gcms/mr.i/R022013I.b/ricb203.d
Report Date: 21-Feb-2013 12:03

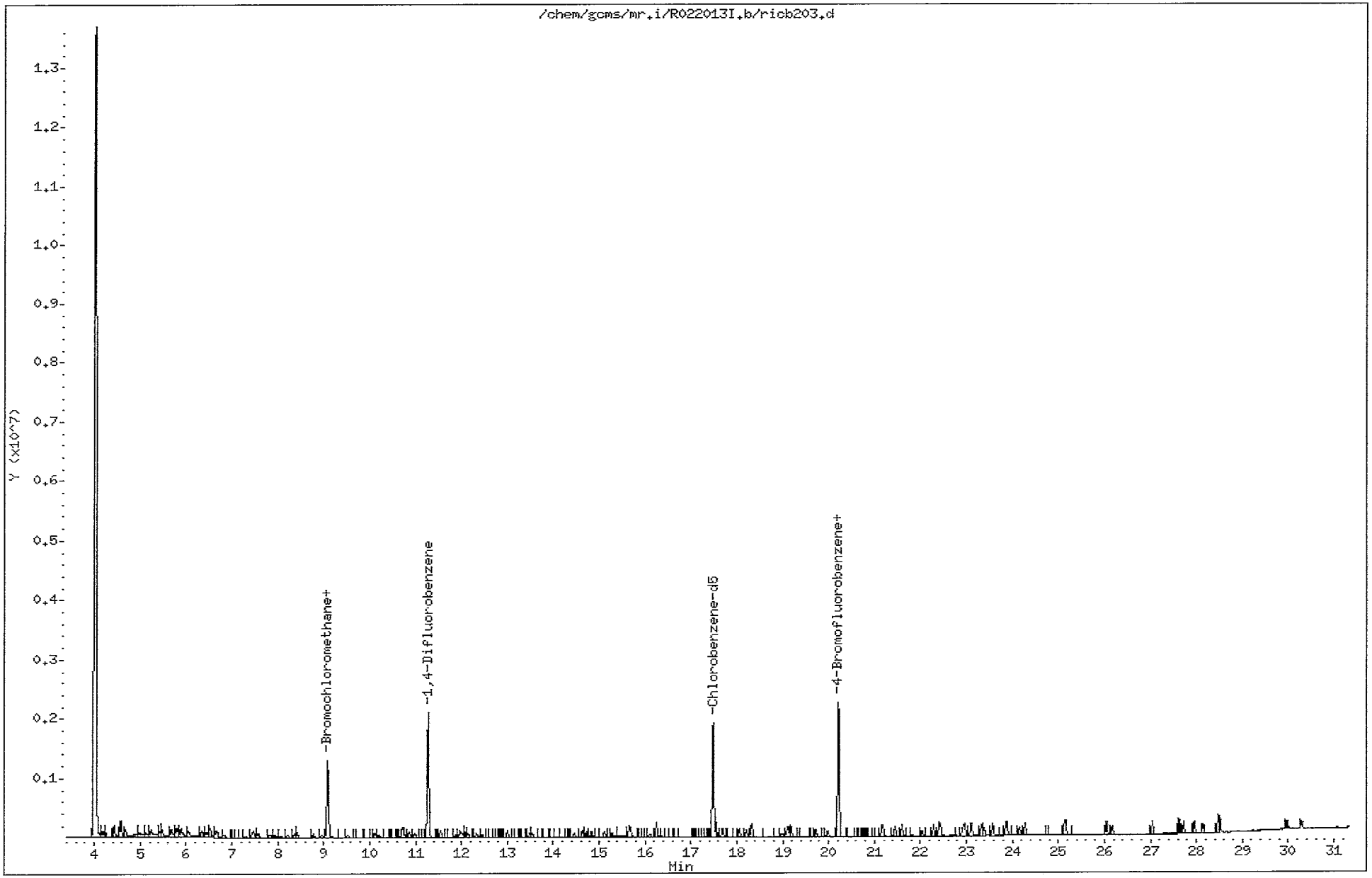
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
64	trans-1,3-Dichloropropene	75	14.454	14.459	(0.827)	46166	0.16000	0.1529
65	Toluene	91	14.637	14.637	(0.837)	110499	0.16000	0.1508
66	1,1,2-Trichloroethane	83	14.724	14.718	(0.842)	30841	0.16000	0.1550
67	~ 2-methyl thiophene	97	14.831	14.837	(0.848)	92199	0.16000	0.1562
68	~ 3-methyl thiophene	97	15.112	15.112	(0.864)	94121	0.16000	0.1550
69	2-Hexanone	58	15.284	15.279	(0.874)	33099	0.16000	0.1684
70	Octane	85	15.656	15.662	(0.895)	36534	0.16000	0.1549
71	Dibromochloromethane	129	15.689	15.689	(0.897)	45282	0.16000	0.1497
72	1,2-Dibromoethane	107	16.104	16.104	(0.921)	51101	0.16000	0.1598
73	Tetrachloroethene	129	16.250	16.250	(0.929)	38745	0.16000	0.1519
74	Chlorobenzene	112	17.560	17.565	(1.004)	86165	0.16000	0.1528
75	~ 2,3-dimethylheptane	43	17.689	17.695	(1.012)	99259	0.16000	0.1528
76	Ethylbenzene	91	18.051	18.056	(1.032)	138363	0.16000	0.1530
77	~ 2-ethyl thiophene	97	18.207	18.212	(1.041)	101154	0.16000	0.1545
78	m&p-Xylene	91	18.326	18.326	(1.048)	213439	0.32000	0.3077
79	Nonane	57	19.118	19.124	(1.093)	72061	0.16000	0.1561
80	Bromoform	173	18.984	18.989	(1.086)	31953	0.16000	0.1446
81	Styrene	104	19.081	19.086	(1.091)	63547	0.16000	0.1632
82	o-Xylene	91	19.183	19.183	(1.097)	110561	0.16000	0.1530
M 83	Xylene (total)	100				324000	0.48000	0.4608
84	1,1,2,2-Tetrachloroethane	83	19.717	19.722	(1.128)	76977	0.16000	0.1582
85	1,2,3-Trichloropropane	110	19.981	19.987	(1.143)	23592	0.16000	0.1540
86	Cumene	105	20.202	20.202	(1.155)	160796	0.16000	0.1570
87	n-Propylbenzene	120	21.162	21.162	(1.210)	43830	0.16000	0.1568
88	2-chlorotoluene	126	21.194	21.194	(1.212)	40815	0.16000	0.1552
89	4-Ethyltoluene	105	21.448	21.453	(1.227)	160693	0.16000	0.1584
90	1,3,5-Trimethylbenzene	120	21.604	21.604	(1.236)	73851	0.16000	0.1571
91	Alpha-Methylstyrene	118	22.030	22.036	(1.260)	43020	0.16000	0.1600
92	Decane	57	22.284	22.289	(1.274)	89608	0.16000	0.1632
93	tert-butylbenzene	119	22.408	22.408	(1.282)	143685	0.16000	0.1568
94	1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	133148	0.16000	0.1599
95	sec-butylbenzene	105	22.963	22.969	(1.313)	197660	0.16000	0.1573
96	1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	88111	0.16000	0.1584
97	Benzyl Chloride	91	23.098	23.098	(1.321)	101656	0.16000	0.1616
98	1,4-Dichlorobenzene	146	23.109	23.114	(1.322)	88087	0.16000	0.1587
99	p-Cymene	119	23.330	23.330	(1.334)	165804	0.16000	0.1587
100	~ 1,2,3- Trimethylbenzene	105	23.389	23.395	(1.338)	118940	0.16000	0.1563
101	~ n-butylcyclohexane	83	23.572	23.572	(1.348)	112503	0.16000	0.1585
102	~ Indane	117	23.885	23.885	(1.366)	129489	0.16000	0.1568
103	1,2-Dichlorobenzene	146	23.858	23.864	(1.365)	85096	0.16000	0.1569
104	n-butylbenzene	91	24.279	24.279	(1.389)	158089	0.16000	0.1607
105	~ Indene	116	24.160	24.160	(1.382)	109362	0.16000	0.1635
106	Undecane	57	25.169	25.169	(1.439)	105410	0.16000	0.1688
107	~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.438)	167299	0.16000	0.1599
108	~ 1,2,4,5-tetramethylbenzene	119	26.048	26.048	(1.490)	172854	0.16000	0.1636
109	~ 1,2,3,5-tetramethylbenzene	119	26.172	26.172	(1.497)	110755	0.16000	0.1635
110	~ 1,2,3,4-tetramethylbenzene	119	27.045	27.045	(1.547)	146137	0.16000	0.1676

Data File: /chem/gcms/mr.i/R022013I.b/ricb203.d
Report Date: 21-Feb-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
111 Dodecane	57	27.622	27.622	(1.580)	99603	0.16000	0.2126
112 1,2,4-Trichlorobenzene	180	27.725	27.725	(1.586)	79657	0.16000	0.1878
113 Napthalene	128	27.956	27.962	(1.599)	191778	0.16000	0.1982
114 ~ benzo(b) thiophene	134	28.151	28.151	(1.610)	142168	0.16000	0.1940
115 Hexachlorobutadiene	225	28.474	28.474	(1.629)	72419	0.16000	0.1559
116 1,2,3-trichlorobenzene	180	28.517	28.523	(1.631)	83938	0.16000	0.1877
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.715)	84971	1.00000	1.000
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.733)	84458	1.00000	1.000

Data File: /chem/gcms/mr.i/R022013I.b/ricb203.d
Date : 20-FEB-2013 18:39
Client ID: STD0.16
Sample Info: ICAL2,1,1,3,,STD0.16
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 060487
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/ricb204.d
Report Date: 21-Feb-2013 12:03

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb204.d
Lab Smp Id: ICAL4 Client Smp ID: STD0.4
Inj Date : 20-FEB-2013 19:27
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL4,1,1,4,,STD0.4
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 19:27 Cal File: ricb204.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	500.00000	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	9.089	9.089	(1.000)	450576	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.273	11.278	(1.000)	2223161	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.485	17.490	(1.000)	1589024	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1093713	4.00000	4.064
M	83 Xylene (total)	100				761540	1.20000	1.145
	5 Chlorodifluoromethane	67	4.182	4.187	(0.460)	19361	0.40000	0.3758
	6 Propene	41	4.192	4.192	(0.461)	60002	0.40000	0.3741
	7 Dichlorodifluoromethane	85	4.246	4.246	(0.467)	196172	0.40000	0.3765
	8 Chloromethane	52	4.419	4.424	(0.486)	28121	0.40000	0.4063
	9 1,2-Dichlorotetrafluoroethane	135	4.430	4.435	(0.487)	157284	0.40000	0.3822
	11 ~ acetaldehyde	44	4.570	4.570	(0.503)	181207	2.00000	2.000
	12 Vinyl Chloride	62	4.591	4.591	(0.505)	82878	0.40000	0.3805
	13 n-Butane	43	4.678	4.678	(0.515)	119515	0.40000	0.3522
	14 1,3-Butadiene	54	4.672	4.678	(0.514)	64304	0.40000	0.3730
	15 Bromomethane	94	4.985	4.985	(0.548)	72987	0.40000	0.3500
	16 Chloroethane	64	5.120	5.125	(0.563)	40636	0.40000	0.3672

Data File: /chem/gcms/mr.i/R022013I.b/ricb204.d
Report Date: 21-Feb-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	5.228	5.233	(0.575)	122855	2.00000	1.612
18 Vinyl Bromide	106	5.416	5.416	(0.596)	74342	0.40000	0.3755
19 2-methyl butane	43	5.470	5.470	(0.602)	90132	0.40000	0.3699
20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	188786	0.40000	0.3868
21 Acrolein	56	5.670	5.670	(0.624)	28199	0.40000	0.3293
22 Acetonitrile	40	5.729	5.729	(0.630)	27208	0.40000	0.3764
25 Pentane	72	5.891	5.896	(0.648)	15116	0.40000	0.3962
24 Isopropyl alcohol	45	5.880	5.885	(0.647)	112508	0.40000	0.4000
26 Ethyl Ether	31	6.042	6.047	(0.665)	79240	0.40000	0.3829
27 1,1-Dichloroethene	96	6.344	6.344	(0.698)	72824	0.40000	0.3719
29 Acrylonitrile	53	6.419	6.419	(0.706)	56629	0.40000	0.3907
30 1,1,2-Trichlorotrifluoroethane	101	6.516	6.522	(0.717)	152088	0.40000	0.3810
28 tert-butanol	59	6.446	6.441	(0.709)	123881	0.40000	0.3836
31 Methylene Chloride	84	6.662	6.662	(0.733)	68467	0.40000	0.3753
32 3-Chloropropene	39	6.678	6.684	(0.735)	52797	0.40000	0.3761
33 Carbon Disulfide	76	6.824	6.824	(0.751)	209281	0.40000	0.3780
35 ~ 2-Methyl Pentane	43	7.476	7.476	(0.823)	167486	0.40000	0.3845
34 trans-1,2-Dichloroethene	96	7.439	7.444	(0.818)	74370	0.40000	0.3676
36 Methyl-t-Butyl Ether	73	7.573	7.568	(0.833)	193462	0.40000	0.3854
37 1,1-Dichloroethane	63	7.832	7.832	(0.862)	131975	0.40000	0.3838
38 Vinyl Acetate	43	7.935	7.935	(0.873)	173468	0.40000	0.3934
39 2-Butanone	72	8.355	8.355	(0.919)	36258	0.40000	0.3459
40 Hexane	56	8.415	8.420	(0.926)	61865	0.40000	0.3716
41 cis 1,2-Dichloroethene	96	8.770	8.776	(0.965)	75003	0.40000	0.3689
42 Ethyl acetate	43	8.959	8.954	(0.986)	155583	0.40000	0.3897
43 Chloroform	83	9.110	9.110	(1.002)	146004	0.40000	0.3802
44 Tetrahydrofuran	42	9.515	9.509	(1.047)	83029	0.40000	0.3769
45 1,1,1-Trichloroethane	97	10.113	10.118	(1.113)	140816	0.40000	0.3837
46 1,2-Dichloroethane	62	10.199	10.199	(0.905)	96858	0.40000	0.3800
49 Cyclohexane	69	10.728	10.728	(0.952)	34420	0.40000	0.3789
48 Benzene	78	10.706	10.712	(0.950)	219115	0.40000	0.3696
50 Carbon Tetrachloride	117	10.744	10.744	(0.953)	90097	0.40000	0.3071
51 ~ 2,3-dimethylpentane	71	10.863	10.863	(0.964)	47899	0.40000	0.3929
47 1-Butanol	31	10.685	10.679	(0.948)	20862	0.40000	0.4000
52 ~ Thiophene	84	10.987	10.987	(0.975)	129416	0.40000	0.3836
53 2,2,4-trimethylpentane	57	11.548	11.553	(1.024)	361290	0.40000	0.3808
54 Heptane	71	11.974	11.973	(1.062)	76530	0.40000	0.3759
55 1,2-Dichloropropane	63	12.017	12.017	(1.066)	81314	0.40000	0.3811
56 Trichloroethene	130	12.071	12.076	(1.071)	97075	0.40000	0.3835
180 ~ 2-nitropropane	43	11.968	11.973	(1.062)	130331	0.32000	0.000
57 Dibromomethane	93	12.141	12.146	(1.077)	78218	0.40000	0.3878
58 Bromodichloromethane	83	12.324	12.324	(1.093)	137123	0.40000	0.4014
60 Methyl Methacrylate	41	12.448	12.448	(1.104)	84960	0.40000	0.4072
59 1,4-dioxane	88	12.351	12.346	(1.096)	30387	0.40000	0.3912
61 ~ methyl cyclohexane	83	12.998	13.003	(1.153)	131254	0.40000	0.3863
63 cis-1,3-Dichloropropene	75	13.543	13.548	(1.201)	113285	0.40000	0.3912
62 4-Methyl-2-pentanone	43	13.483	13.483	(1.196)	164884	0.40000	0.4137

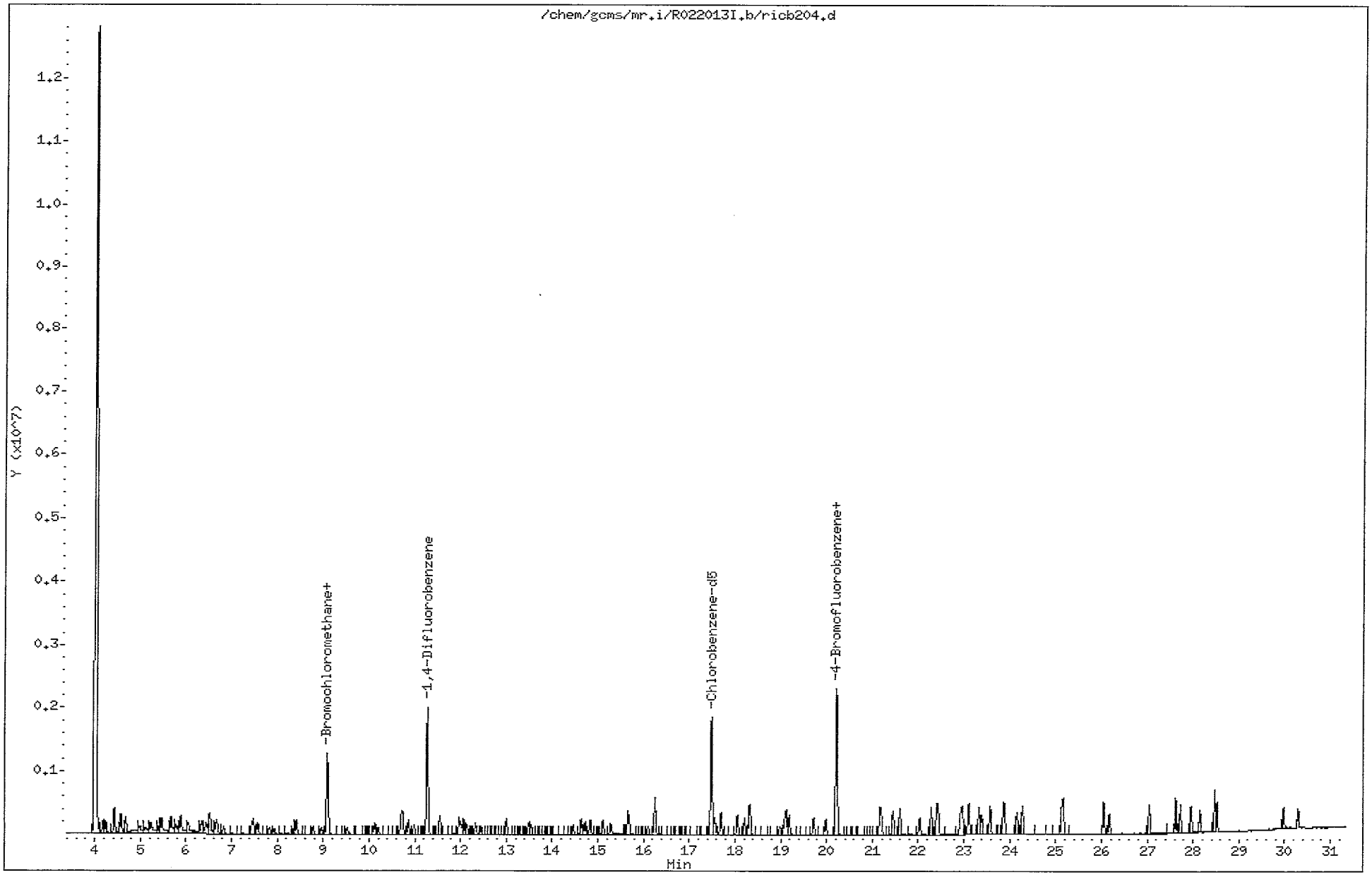
Data File: /chem/gcms/mr.i/R022013I.b/ricb204.d
Report Date: 21-Feb-2013 12:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
64	trans-1,3-Dichloropropene	75	14.459	14.459	(0.827)	110296	0.40000	0.3852
65	Toluene	91	14.637	14.637	(0.837)	256069	0.40000	0.3724
66	1,1,2-Trichloroethane	83	14.718	14.718	(0.842)	72119	0.40000	0.3829
67	~ 2-methyl thiophene	97	14.837	14.837	(0.849)	219334	0.40000	0.3902
68	~ 3-methyl thiophene	97	15.112	15.112	(0.864)	224328	0.40000	0.3884
69	2-Hexanone	58	15.279	15.279	(0.874)	78850	0.40000	0.4116
70	Octane	85	15.657	15.662	(0.895)	83809	0.40000	0.3771
71	Dibromochloromethane	129	15.689	15.689	(0.897)	119060	0.40000	0.4075
72	1,2-Dibromoethane	107	16.099	16.104	(0.921)	125885	0.40000	0.4075
73	Tetrachloroethene	129	16.250	16.250	(0.929)	89902	0.40000	0.3748
75	~ 2,3-dimethylheptane	43	17.695	17.695	(1.012)	233898	0.40000	0.3810
74	Chlorobenzene	112	17.560	17.565	(1.004)	202539	0.40000	0.3802
76	Ethylbenzene	91	18.051	18.056	(1.032)	323605	0.40000	0.3792
77	~ 2-ethyl thiophene	97	18.207	18.212	(1.041)	244140	0.40000	0.3911
78	m&p-Xylene	91	18.326	18.326	(1.048)	499292	0.80000	0.7617
79	Nonane	57	19.124	19.124	(1.094)	171833	0.40000	0.3916
80	Bromoform	173	18.989	18.989	(1.086)	90251	0.40000	0.4166
81	Styrene	104	19.081	19.086	(1.091)	165342	0.40000	0.4272
82	o-Xylene	91	19.183	19.183	(1.097)	262247	0.40000	0.3834
84	1,1,2,2-Tetrachloroethane	83	19.717	19.722	(1.128)	186050	0.40000	0.3987
85	1,2,3-Trichloropropane	110	19.987	19.987	(1.143)	55859	0.40000	0.3847
86	Cumene	105	20.202	20.202	(1.155)	377435	0.40000	0.3891
87	n-Propylbenzene	120	21.162	21.162	(1.210)	105472	0.40000	0.3952
88	2-chlorotoluene	126	21.195	21.194	(1.212)	96591	0.40000	0.3868
89	4-Ethyltoluene	105	21.453	21.453	(1.227)	383403	0.40000	0.3956
90	1,3,5-Trimethylbenzene	120	21.604	21.604	(1.236)	179329	0.40000	0.3983
91	Alpha-Methylstyrene	118	22.036	22.036	(1.260)	117018	0.40000	0.4250
92	Decane	57	22.289	22.289	(1.275)	219123	0.40000	0.4116
93	tert-butylbenzene	119	22.408	22.408	(1.282)	339649	0.40000	0.3906
94	1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	315821	0.40000	0.3963
95	sec-butylbenzene	105	22.963	22.969	(1.313)	467960	0.40000	0.3918
96	1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	207173	0.40000	0.3919
97	Benzyl Chloride	91	23.093	23.098	(1.321)	254159	0.40000	0.4136
98	1,4-Dichlorobenzene	146	23.109	23.114	(1.322)	207268	0.40000	0.3926
99	p-Cymene	119	23.330	23.330	(1.334)	393204	0.40000	0.3940
100	~ 1,2,3- Trimethylbenzene	105	23.395	23.395	(1.338)	289273	0.40000	0.3969
101	~ n-butylcyclohexane	83	23.573	23.572	(1.348)	261372	0.40000	0.3889
102	~ Indane	117	23.885	23.885	(1.366)	298937	0.40000	0.3825
103	1,2-Dichlorobenzene	146	23.858	23.864	(1.365)	202873	0.40000	0.3929
104	n-butylbenzene	91	24.279	24.279	(1.389)	373669	0.40000	0.3971
105	~ Indene	116	24.155	24.160	(1.381)	271181	0.40000	0.4146
106	Undecane	57	25.163	25.169	(1.439)	253888	0.40000	0.4153
107	~ 1,2-dimethyl-4-ethylenzene	119	25.131	25.136	(1.437)	396828	0.40000	0.3967
108	~ 1,2,4,5-tetramethylbenzene	119	26.048	26.048	(1.490)	407893	0.40000	0.4013
109	~ 1,2,3,5-tetramethylbenzene	119	26.172	26.172	(1.497)	256904	0.40000	0.3967
110	~ 1,2,3,4-tetramethylbenzene	119	27.045	27.045	(1.547)	338518	0.40000	0.4028
111	Dodecane	57	27.622	27.622	(1.580)	235919	0.40000	0.4751

Data File: /chem/gcms/mr.i/R022013I.b/ricb204.d
Report Date: 21-Feb-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
112 1,2,4-Trichlorobenzene	180	27.725	27.725	(1.586)	184302	0.40000	0.4382
113 Napthalene	128	27.962	27.962	(1.599)	441365	0.40000	0.4538
114 ~ benzo(b) thiophene	134	28.151	28.151	(1.610)	336959	0.40000	0.4564
115 Hexachlorobutadiene	225	28.474	28.474	(1.629)	163281	0.40000	0.3768
116 1,2,3-trichlorobenzene	180	28.517	28.523	(1.631)	189315	0.40000	0.4299
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.715)	194029	2.50000	2.438
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.733)	187293	2.50000	2.401

Data File: /chem/gcms/mr.i/R022013I.b/ricb204.d
Date : 20-FEB-2013 19:27
Client ID: STD0.4
Instrument: mr.i
Sample Info: ICAL4,1,1,4,,STD0.4
Purge Volume: 500.0
Operator: 060487
Column phase: Rtx-5
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/ricb205.d
Report Date: 21-Feb-2013 12:04

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb205.d
Lab Smp Id: ICAL5 Client Smp ID: STD1
Inj Date : 20-FEB-2013 20:14
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL5,1,1,5,,STD1
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1	Bromochloromethane	128	9.089	9.089	(1.000)	466793	4.00000	4.000
*	2	1,4-Difluorobenzene	114	11.278	11.278	(1.000)	2287260	4.00000	4.000
*	3	Chlorobenzene-d5	117	17.490	17.490	(1.000)	1639236	4.00000	4.000
$	4	4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1152627	4.00000	4.016
M	83	Xylene (total)	100				1993789	3.00000	2.992
	5	Chlorodifluoromethane	67	4.187	4.187	(0.461)	47712	1.00000	1.000
	6	Propene	41	4.192	4.192	(0.461)	145492	1.00000	1.025
	7	Dichlorodifluoromethane	85	4.246	4.246	(0.467)	491689	1.00000	1.011
	8	Chloromethane	52	4.424	4.424	(0.487)	58713	1.00000	0.9875
	9	1,2-Dichlorotetrafluoroethane	135	4.435	4.435	(0.488)	390958	1.00000	1.008
	10	Methanol	31	4.570	4.570	(0.503)	56402	1.00000	1.302
	11	~ acetaldehyde	44	4.570	4.570	(0.503)	374671	5.00000	5.358
	12	Vinyl Chloride	62	4.591	4.591	(0.505)	205361	1.00000	1.004
	13	n-Butane	43	4.678	4.678	(0.515)	292660	1.00000	0.9683
	14	1,3-Butadiene	54	4.678	4.678	(0.515)	160237	1.00000	0.9970
	15	Bromomethane	94	4.985	4.985	(0.548)	181942	1.00000	0.9577

Data File: /chem/gcms/mr.i/R022013I.b/ricb205.d
Report Date: 21-Feb-2013 12:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16	Chloroethane	64	5.125	5.125	(0.564)	101598	1.00000	0.9833
17	~ ethanol	31	5.233	5.233	(0.576)	308619	5.00000	4.821
18	Vinyl Bromide	106	5.416	5.416	(0.596)	188671	1.00000	0.9867
19	2-methyl butane	43	5.470	5.470	(0.602)	227092	1.00000	0.9888
20	Trichlorofluoromethane	101	5.675	5.675	(0.624)	476217	1.00000	1.008
21	Acrolein	56	5.670	5.670	(0.624)	65844	1.00000	0.9421
22	Acetonitrile	40	5.729	5.729	(0.630)	76466	1.00000	1.074
25	Pentane	72	5.896	5.896	(0.649)	38840	1.00000	1.032
23	Acetone	58	5.783	5.783	(0.636)	112685	1.00000	1.176
24	Isopropyl alcohol	45	5.885	5.885	(0.648)	288341	1.00000	1.078
26	Ethyl Ether	31	6.047	6.047	(0.665)	201186	1.00000	1.012
27	1,1-Dichloroethene	96	6.344	6.344	(0.698)	181932	1.00000	0.9712
29	Acrylonitrile	53	6.419	6.419	(0.706)	145770	1.00000	1.006
30	1,1,2-Trichlorotrifluoroethane	101	6.522	6.522	(0.718)	388027	1.00000	0.9963
28	tert-butanol	59	6.441	6.441	(0.709)	330173	1.00000	1.032
31	Methylene Chloride	84	6.662	6.662	(0.733)	172012	1.00000	1.023
32	3-Chloropropene	39	6.684	6.684	(0.735)	139854	1.00000	1.055
33	Carbon Disulfide	76	6.824	6.824	(0.751)	531093	1.00000	0.9888
35	~ 2-Methyl Pentane	43	7.476	7.476	(0.823)	425162	1.00000	1.018
34	trans-1,2-Dichloroethene	96	7.444	7.444	(0.819)	187200	1.00000	0.9670
36	Methyl-t-Butyl Ether	73	7.568	7.568	(0.833)	499707	1.00000	1.010
37	1,1-Dichloroethane	63	7.832	7.832	(0.862)	338293	1.00000	1.008
38	Vinyl Acetate	43	7.935	7.935	(0.873)	447080	1.00000	1.001
39	2-Butanone	72	8.355	8.355	(0.919)	90407	1.00000	0.9646
40	Hexane	56	8.420	8.420	(0.926)	158621	1.00000	0.9890
41	cis 1,2-Dichloroethene	96	8.776	8.776	(0.966)	192238	1.00000	0.9796
42	Ethyl acetate	43	8.954	8.954	(0.985)	401649	1.00000	1.015
43	Chloroform	83	9.110	9.110	(1.002)	374651	1.00000	1.001
44	Tetrahydrofuran	42	9.509	9.509	(1.046)	213168	1.00000	1.010
45	1,1,1-Trichloroethane	97	10.118	10.118	(1.113)	364370	1.00000	1.001
46	1,2-Dichloroethane	62	10.199	10.199	(0.904)	248419	1.00000	0.9919
49	Cyclohexane	69	10.728	10.728	(0.951)	88345	1.00000	0.9839
48	Benzene	78	10.712	10.712	(0.950)	565311	1.00000	0.9764
50	Carbon Tetrachloride	117	10.744	10.744	(0.953)	263957	1.00000	0.8826
51	~ 2,3-dimethylpentane	71	10.863	10.863	(0.963)	121018	1.00000	0.9928
47	1-Butanol	31	10.679	10.679	(0.947)	55175	1.00000	0.9792
52	~ Thiophene	84	10.987	10.987	(0.974)	336028	1.00000	0.9937
53	2,2,4-trimethylpentane	57	11.553	11.553	(1.024)	932021	1.00000	0.9938
54	Heptane	71	11.973	11.973	(1.062)	200155	1.00000	0.9852
55	1,2-Dichloropropane	63	12.017	12.017	(1.065)	209269	1.00000	0.9859
56	Trichloroethene	130	12.076	12.076	(1.071)	251969	1.00000	0.9784
180	~ 2-nitropropane	43	11.973	11.973	(1.062)	341464	1.00000	0.000
57	Dibromomethane	93	12.146	12.146	(1.077)	204643	1.00000	0.9867
58	Bromodichloromethane	83	12.324	12.324	(1.093)	371695	1.00000	1.010
60	Methyl Methacrylate	41	12.448	12.448	(1.104)	235976	1.00000	1.031
59	1,4-dioxane	88	12.346	12.346	(1.095)	86164	1.00000	1.053
61	~ methyl cyclohexane	83	13.003	13.003	(1.153)	341319	1.00000	0.9928

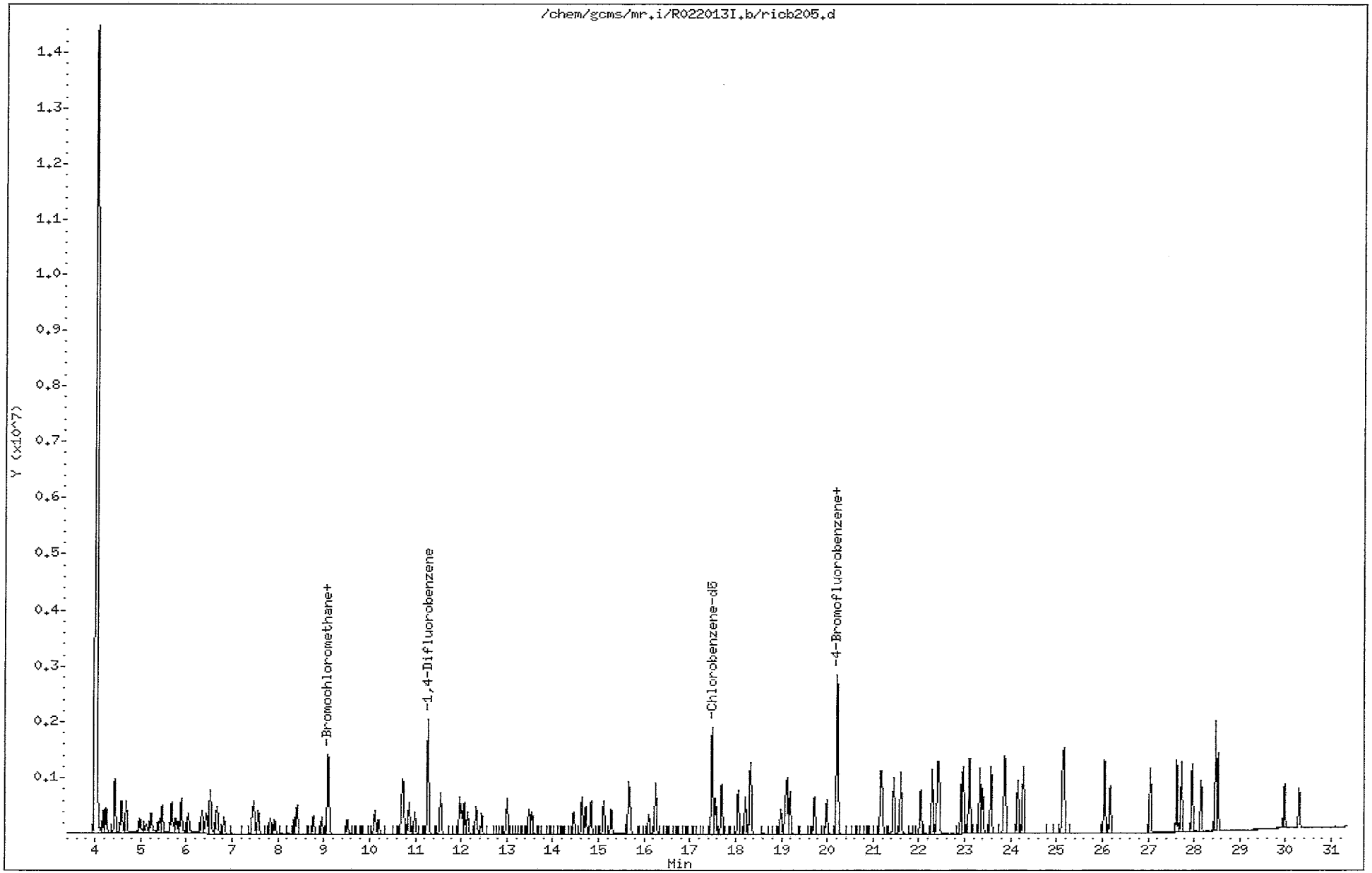
Data File: /chem/gcms/mr.i/R022013I.b/ricb205.d
Report Date: 21-Feb-2013 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63 cis-1,3-Dichloropropene	75	13.548	13.548	(1.201)	301289	1.00000	1.002
62 4-Methyl-2-pentanone	43	13.483	13.483	(1.196)	415836	1.00000	1.017
64 trans-1,3-Dichloropropene	75	14.459	14.459	(0.827)	298165	1.00000	1.003
65 Toluene	91	14.637	14.637	(0.837)	671623	1.00000	0.9875
66 1,1,2-Trichloroethane	83	14.718	14.718	(0.842)	190126	1.00000	0.9997
67 ~ 2-methyl thiophene	97	14.837	14.837	(0.848)	576073	1.00000	1.001
68 ~ 3-methyl thiophene	97	15.112	15.112	(0.864)	583599	1.00000	0.9914
69 2-Hexanone	58	15.279	15.279	(0.874)	218139	1.00000	1.053
70 Octane	85	15.662	15.662	(0.895)	218046	1.00000	0.9754
71 Dibromochloromethane	129	15.689	15.689	(0.897)	345106	1.00000	1.000
72 1,2-Dibromoethane	107	16.104	16.104	(0.921)	343579	1.00000	1.019
73 Tetrachloroethene	129	16.250	16.250	(0.929)	235953	1.00000	0.9795
75 ~ 2,3-dimethylheptane	43	17.695	17.695	(1.012)	606505	1.00000	1.006
74 Chlorobenzene	112	17.565	17.565	(1.004)	526748	1.00000	0.9816
76 Ethylbenzene	91	18.056	18.056	(1.032)	849272	1.00000	0.9943
77 ~ 2-ethyl thiophene	97	18.212	18.212	(1.041)	644007	1.00000	1.002
78 m&p-Xylene	91	18.326	18.326	(1.048)	1318151	2.00000	1.999
79 Nonane	57	19.124	19.124	(1.093)	450547	1.00000	1.016
80 Bromoform	173	18.989	18.989	(1.086)	297241	1.00000	0.9594
81 Styrene	104	19.086	19.086	(1.091)	481193	1.00000	1.028
82 o-Xylene	91	19.183	19.183	(1.097)	675638	1.00000	0.9932
84 1,1,2,2-Tetrachloroethane	83	19.722	19.722	(1.128)	507916	1.00000	1.034
85 1,2,3-Trichloropropane	110	19.987	19.987	(1.143)	149910	1.00000	1.006
86 Cumene	105	20.202	20.202	(1.155)	984436	1.00000	1.002
87 n-Propylbenzene	120	21.162	21.162	(1.210)	283756	1.00000	1.007
88 2-chlorotoluene	126	21.194	21.194	(1.212)	254603	1.00000	0.9942
89 4-Ethyltoluene	105	21.453	21.453	(1.227)	1025223	1.00000	1.018
90 1,3,5-Trimethylbenzene	120	21.604	21.604	(1.235)	477170	1.00000	1.005
91 Alpha-Methylstyrene	118	22.036	22.036	(1.260)	365500	1.00000	0.9808
92 Decane	57	22.289	22.289	(1.274)	581860	1.00000	1.046
93 tert-butylbenzene	119	22.408	22.408	(1.281)	905669	1.00000	1.012
94 1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	851181	1.00000	1.024
95 sec-butylbenzene	105	22.969	22.969	(1.313)	1252669	1.00000	1.023
96 1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	559285	1.00000	0.9936
97 Benzyl Chloride	91	23.098	23.098	(1.321)	736797	1.00000	1.044
98 1,4-Dichlorobenzene	146	23.114	23.114	(1.322)	563201	1.00000	0.9954
99 p-Cymene	119	23.330	23.330	(1.334)	1061814	1.00000	1.021
100 ~ 1,2,3- Trimethylbenzene	105	23.395	23.395	(1.338)	749908	1.00000	1.005
101 ~ n-butylcyclohexane	83	23.572	23.572	(1.348)	693619	1.00000	1.023
102 ~ Indane	117	23.885	23.885	(1.366)	811044	1.00000	1.012
103 1,2-Dichlorobenzene	146	23.864	23.864	(1.364)	546584	1.00000	1.009
104 n-butylbenzene	91	24.279	24.279	(1.388)	1017327	1.00000	1.047
105 ~ Indene	116	24.160	24.160	(1.381)	766892	1.00000	1.016
106 Undecane	57	25.169	25.169	(1.439)	689225	1.00000	1.060
107 ~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.437)	1064441	1.00000	1.026
108 ~ 1,2,4,5-tetramethylbenzene	119	26.048	26.048	(1.489)	1099898	1.00000	1.036
109 ~ 1,2,3,5-tetramethylbenzene	119	26.172	26.172	(1.496)	693689	1.00000	1.043

Data File: /chem/gcms/mr.i/R022013I.b/ricb205.d
Report Date: 21-Feb-2013 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	27.045	27.045	(1.546)	922725	1.00000	1.062
111 Dodecane	57	27.622	27.622	(1.579)	540968	1.00000	0.9796
112 1,2,4-Trichlorobenzene	180	27.725	27.725	(1.585)	537911	1.00000	1.141
113 Napthalene	128	27.962	27.962	(1.599)	1278733	1.00000	1.115
114 ~ benzo(b) thiophene	134	28.151	28.151	(1.610)	909299	1.00000	1.132
115 Hexachlorobutadiene	225	28.474	28.474	(1.628)	495325	1.00000	1.095
116 1,2,3-trichlorobenzene	180	28.523	28.523	(1.631)	561136	1.00000	1.189
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.714)	452313	6.25000	4.039
118 ~ 1-Methylnaphthalene	142	30.291	30.291	(1.732)	440815	6.25000	4.494

Data File: /chem/gcms/mr.i/R022013I.b/ricb205.d
Date : 20-FEB-2013 20:14
Client ID: STD1
Instrument: mr.i
Sample Info: ICAL5,1,1,5,,STD1
Purge Volume: 500.0
Operator: 060487
Column phase: Rtx-5
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/ricb206.d
Report Date: 21-Feb-2013 12:04

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb206.d
Lab Smp Id: ICAL6 Client Smp ID: STD2
Inj Date : 20-FEB-2013 21:01
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL6,1,1,6,,STD2
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 21:01 Cal File: ricb206.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1	Bromochloromethane	128	9.094	9.089	(1.000)	469377	4.00000	4.000
*	2	1,4-Difluorobenzene	114	11.278	11.278	(1.000)	2304849	4.00000	4.000
*	3	Chlorobenzene-d5	117	17.490	17.490	(1.000)	1658847	4.00000	4.000
$	4	4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1182105	4.00000	4.165
M	83	Xylene (total)	100				4041598	6.00000	5.857
	5	Chlorodifluoromethane	67	4.187	4.187	(0.460)	93476	2.00000	1.788
	6	Propene	41	4.198	4.192	(0.462)	288162	2.00000	1.808
	7	Dichlorodifluoromethane	85	4.252	4.246	(0.468)	967919	2.00000	1.823
	8	Chloromethane	52	4.424	4.424	(0.486)	115652	2.00000	1.688
	9	1,2-Dichlorotetrafluoroethane	135	4.435	4.435	(0.488)	771083	2.00000	1.836
	10	Methanol	31	4.564	4.570	(0.502)	98641	2.00000	2.000
	11	~ acetaldehyde	44	4.570	4.570	(0.502)	721937	10.0000	8.668
	12	Vinyl Chloride	62	4.591	4.591	(0.505)	409011	2.00000	1.839
	13	n-Butane	43	4.683	4.678	(0.515)	579297	2.00000	1.700
	14	1,3-Butadiene	54	4.678	4.678	(0.514)	316175	2.00000	1.804
	15	Bromomethane	94	4.990	4.985	(0.549)	362724	2.00000	1.726

Data File: /chem/gcms/mr.i/R022013I.b/ricb206.d
Report Date: 21-Feb-2013 12:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
16	Chloroethane	64	5.125	5.125	(0.564)	201430	2.00000	1.792
17	~ ethanol	31	5.233	5.233	(0.575)	619351	10.0000	8.255
18	Vinyl Bromide	106	5.416	5.416	(0.596)	380046	2.00000	1.872
19	2-methyl butane	43	5.476	5.470	(0.602)	451976	2.00000	1.820
20	Trichlorofluoromethane	101	5.681	5.675	(0.625)	948264	2.00000	1.891
21	Acrolein	56	5.675	5.670	(0.624)	135215	2.00000	1.649
22	Acetonitrile	40	5.729	5.729	(0.630)	146200	2.00000	1.960
25	Pentane	72	5.896	5.896	(0.648)	76827	2.00000	1.949
23	Acetone	58	5.783	5.783	(0.636)	202142	2.00000	2.000
24	Isopropyl alcohol	45	5.880	5.885	(0.647)	562963	2.00000	1.960
26	Ethyl Ether	31	6.042	6.047	(0.664)	398634	2.00000	1.877
27	1,1-Dichloroethene	96	6.344	6.344	(0.698)	368191	2.00000	1.841
29	Acrylonitrile	53	6.419	6.419	(0.706)	295729	2.00000	1.967
30	1,1,2-Trichlorotrifluoroethane	101	6.522	6.522	(0.717)	779400	2.00000	1.898
28	tert-butanol	59	6.441	6.441	(0.708)	656891	2.00000	1.964
31	Methylene Chloride	84	6.667	6.662	(0.733)	337728	2.00000	1.846
32	3-Chloropropene	39	6.683	6.684	(0.735)	263090	2.00000	1.836
33	Carbon Disulfide	76	6.829	6.824	(0.751)	1074780	2.00000	1.889
35	~ 2-Methyl Pentane	43	7.476	7.476	(0.822)	851823	2.00000	1.906
34	trans-1,2-Dichloroethene	96	7.444	7.444	(0.819)	376218	2.00000	1.824
36	Methyl-t-Butyl Ether	73	7.568	7.568	(0.832)	999029	2.00000	1.928
37	1,1-Dichloroethane	63	7.837	7.832	(0.862)	677103	2.00000	1.911
38	Vinyl Acetate	43	7.935	7.935	(0.872)	905440	2.00000	1.977
39	2-Butanone	72	8.355	8.355	(0.919)	183484	2.00000	1.775
40	Hexane	56	8.420	8.420	(0.926)	316195	2.00000	1.856
41	cis 1,2-Dichloroethene	96	8.776	8.776	(0.965)	384735	2.00000	1.850
42	Ethyl acetate	43	8.954	8.954	(0.985)	810427	2.00000	1.961
43	Chloroform	83	9.110	9.110	(1.002)	752958	2.00000	1.904
44	Tetrahydrofuran	42	9.504	9.509	(1.045)	423582	2.00000	1.882
45	1,1,1-Trichloroethane	97	10.118	10.118	(1.113)	735381	2.00000	1.938
46	1,2-Dichloroethane	62	10.199	10.199	(0.904)	503686	2.00000	1.924
49	Cyclohexane	69	10.728	10.728	(0.951)	180126	2.00000	1.930
48	Benzene	78	10.712	10.712	(0.950)	1139096	2.00000	1.881
50	Carbon Tetrachloride	117	10.744	10.744	(0.953)	475928	2.00000	1.636
51	~ 2,3-dimethylpentane	71	10.863	10.863	(0.963)	244160	2.00000	1.945
47	1-Butanol	31	10.679	10.679	(0.947)	117834	2.00000	2.086
52	~ Thiophene	84	10.987	10.987	(0.974)	677822	2.00000	1.950
53	2,2,4-trimethylpentane	57	11.553	11.553	(1.024)	1878762	2.00000	1.927
54	Heptane	71	11.973	11.973	(1.062)	403812	2.00000	1.930
55	1,2-Dichloropropane	63	12.017	12.017	(1.065)	423974	2.00000	1.933
56	Trichloroethene	130	12.076	12.076	(1.071)	515155	2.00000	1.970
180	~ 2-nitropropane	43	11.973	11.973	(1.062)	689316	2.00000	0.000
57	Dibromomethane	93	12.146	12.146	(1.077)	420869	2.00000	2.010
58	Bromodichloromethane	83	12.324	12.324	(1.093)	762742	2.00000	2.121
60	Methyl Methacrylate	41	12.448	12.448	(1.104)	486491	2.00000	2.181
59	1,4-dioxane	88	12.340	12.346	(1.094)	172558	2.00000	2.105
61	~ methyl cyclohexane	83	13.003	13.003	(1.153)	693156	2.00000	1.974

Data File: /chem/gcms/mr.i/R022013I.b/ricb206.d
Report Date: 21-Feb-2013 12:04

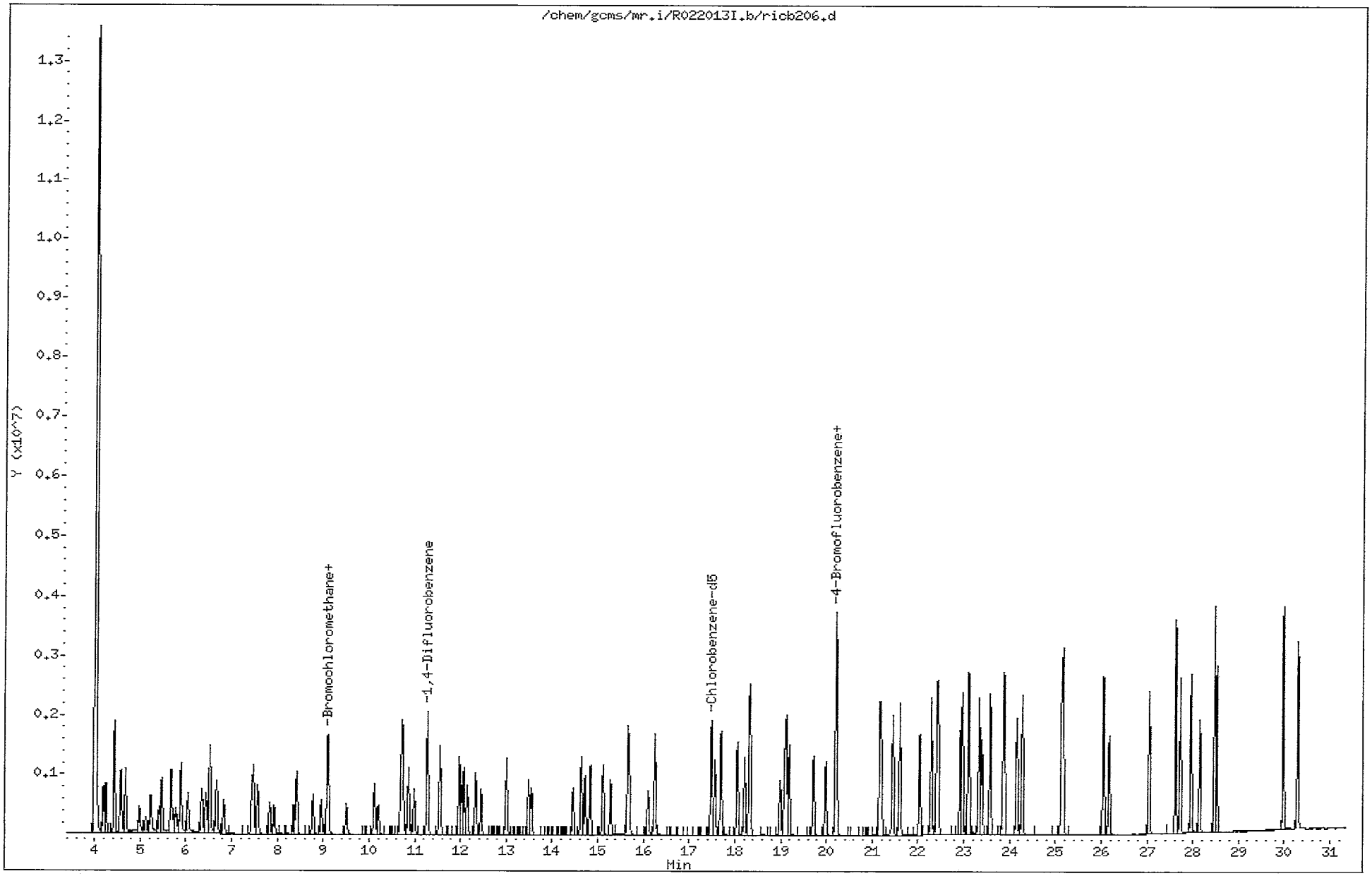
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	13.548	13.548	(1.201)	617152	2.00000	2.044
62	4-Methyl-2-pentanone	43	13.483	13.483	(1.196)	853085	2.00000	2.042
64	trans-1,3-Dichloropropene	75	14.459	14.459	(0.827)	606049	2.00000	2.022
65	Toluene	91	14.637	14.637	(0.837)	1348321	2.00000	1.902
66	1,1,2-Trichloroethane	83	14.723	14.718	(0.842)	385966	2.00000	1.970
67	~ 2-methyl thiophene	97	14.837	14.837	(0.848)	1175187	2.00000	2.002
68	~ 3-methyl thiophene	97	15.112	15.112	(0.864)	1202517	2.00000	1.996
69	2-Hexanone	58	15.279	15.279	(0.874)	452016	2.00000	2.189
70	Octane	85	15.662	15.662	(0.895)	451854	2.00000	1.958
71	Dibromochloromethane	129	15.689	15.689	(0.897)	719639	2.00000	2.277
72	1,2-Dibromoethane	107	16.104	16.104	(0.921)	715536	2.00000	2.171
73	Tetrachloroethene	129	16.250	16.250	(0.929)	481635	2.00000	1.938
75	~ 2,3-dimethylheptane	43	17.695	17.695	(1.012)	1228688	2.00000	1.933
74	Chlorobenzene	112	17.560	17.565	(1.004)	1076965	2.00000	1.949
76	Ethylbenzene	91	18.056	18.056	(1.032)	1721400	2.00000	1.946
77	~ 2-ethyl thiophene	97	18.212	18.212	(1.041)	1319238	2.00000	2.020
78	m&p-Xylene	91	18.326	18.326	(1.048)	2672812	4.00000	3.924
79	Nonane	57	19.124	19.124	(1.093)	915207	2.00000	1.998
80	Bromoform	173	18.989	18.989	(1.086)	633029	2.00000	2.545
81	Styrene	104	19.081	19.086	(1.091)	1025316	2.00000	2.378
82	o-Xylene	91	19.183	19.183	(1.097)	1368786	2.00000	1.933
84	1,1,2,2-Tetrachloroethane	83	19.717	19.722	(1.127)	1022978	2.00000	2.079
85	1,2,3-Trichloropropane	110	19.986	19.987	(1.143)	304220	2.00000	2.006
86	Cumene	105	20.202	20.202	(1.155)	2002301	2.00000	1.983
87	n-Propylbenzene	120	21.162	21.162	(1.210)	574568	2.00000	2.046
88	2-chlorotoluene	126	21.200	21.194	(1.212)	516583	2.00000	1.985
89	4-Ethyltoluene	105	21.453	21.453	(1.227)	2077275	2.00000	2.040
90	1,3,5-Trimethylbenzene	120	21.604	21.604	(1.235)	973240	2.00000	2.052
91	Alpha-Methylstyrene	118	22.036	22.036	(1.260)	806486	2.00000	2.474
92	Decane	57	22.289	22.289	(1.274)	1176764	2.00000	2.093
93	tert-butylbenzene	119	22.413	22.408	(1.281)	1820932	2.00000	2.005
94	1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	1720570	2.00000	2.054
95	sec-butylbenzene	105	22.968	22.969	(1.313)	2525380	2.00000	2.019
96	1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	1148914	2.00000	2.061
97	Benzyl Chloride	91	23.098	23.098	(1.321)	1503101	2.00000	2.247
98	1,4-Dichlorobenzene	146	23.114	23.114	(1.322)	1157117	2.00000	2.074
99	p-Cymene	119	23.330	23.330	(1.334)	2164101	2.00000	2.061
100	~ 1,2,3- Trimethylbenzene	105	23.394	23.395	(1.338)	1509662	2.00000	1.987
101	~ n-butylcyclohexane	83	23.572	23.572	(1.348)	1390723	2.00000	1.987
102	~ Indane	117	23.885	23.885	(1.366)	1628667	2.00000	1.997
103	1,2-Dichlorobenzene	146	23.858	23.864	(1.364)	1099657	2.00000	2.030
104	n-butylbenzene	91	24.279	24.279	(1.388)	2033460	2.00000	2.052
105	~ Indene	116	24.160	24.160	(1.381)	1625829	2.00000	2.273
106	Undecane	57	25.169	25.169	(1.439)	1459235	2.00000	2.208
107	~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.437)	2164307	2.00000	2.054
108	~ 1,2,4,5-tetramethylbenzene	119	26.047	26.048	(1.489)	2261942	2.00000	2.097
109	~ 1,2,3,5-tetramethylbenzene	119	26.172	26.172	(1.496)	1404249	2.00000	2.057

Data File: /chem/gcms/mr.i/R022013I.b/ricb206.d
Report Date: 21-Feb-2013 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	27.050	27.045	(1.547)	1903586	2.00000	2.125
111 Dodecane	57	27.622	27.622	(1.579)	1551610	2.00000	2.663
112 1,2,4-Trichlorobenzene	180	27.725	27.725	(1.585)	1138134	2.00000	2.447
113 Napthalene	128	27.962	27.962	(1.599)	2796036	2.00000	2.561
114 ~ benzo(b) thiophene	134	28.151	28.151	(1.610)	1910869	2.00000	2.366
115 Hexachlorobutadiene	225	28.474	28.474	(1.628)	981048	2.00000	2.124
116 1,2,3-trichlorobenzene	180	28.523	28.523	(1.631)	1167167	2.00000	2.409
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.714)	2231060	12.5000	19.42
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.732)	1939781	12.5000	18.30

Data File: /chem/gcms/mr.i/R022013I.b/ricb206.d
Date : 20-FEB-2013 21:01
Client ID: STD2
Sample Info: ICAL6,1,1,6,,STD2
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 060487
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/ricb207.d
Report Date: 21-Feb-2013 12:04

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb207.d
Lab Smp Id: ICAL7 Client Smp ID: STD4
Inj Date : 20-FEB-2013 21:50
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL7,1,1,7,,STD4
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 21:50 Cal File: ricb207.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.094	9.089	(1.000)	499938	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.278	11.278	(1.000)	2420270	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.490	17.490	(1.000)	1759144	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.219	20.218	(1.156)	1265233	4.00000	4.168
M	83 Xylene (total)	100				8257365	12.0000	11.40
	5 Chlorodifluoromethane	67	4.187	4.187	(0.460)	183880	4.00000	3.401
	6 Propene	41	4.198	4.192	(0.462)	565178	4.00000	3.474
	7 Dichlorodifluoromethane	85	4.246	4.246	(0.467)	1907691	4.00000	3.463
	8 Chloromethane	52	4.424	4.424	(0.486)	225928	4.00000	3.242
	9 1,2-Dichlorotetrafluoroethane	135	4.435	4.435	(0.488)	1528236	4.00000	3.501
	10 Methanol	31	4.564	4.570	(0.502)	178505	4.00000	3.674
	11 ~ acetaldehyde	44	4.570	4.570	(0.502)	1423191	20.0000	17.18
	12 Vinyl Chloride	62	4.591	4.591	(0.505)	807037	4.00000	3.493
	13 n-Butane	43	4.683	4.678	(0.515)	1130949	4.00000	3.235
	14 1,3-Butadiene	54	4.678	4.678	(0.514)	626970	4.00000	3.451
	15 Bromomethane	94	4.990	4.985	(0.549)	723758	4.00000	3.341

Data File: /chem/gcms/mr.i/R022013I.b/ricb207.d
Report Date: 21-Feb-2013 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	5.125	5.125	(0.564)	404248	4.00000	3.467
17 ~ ethanol	31	5.233	5.233	(0.575)	1165036	20.0000	15.41
18 Vinyl Bromide	106	5.416	5.416	(0.596)	765176	4.00000	3.608
19 2-methyl butane	43	5.476	5.470	(0.602)	900293	4.00000	3.491
20 Trichlorofluoromethane	101	5.681	5.675	(0.625)	1893703	4.00000	3.614
21 Acrolein	56	5.675	5.670	(0.624)	238921	4.00000	2.970
22 Acetonitrile	40	5.729	5.729	(0.630)	293919	4.00000	3.771
25 Pentane	72	5.896	5.896	(0.648)	154456	4.00000	3.739
23 Acetone	58	5.783	5.783	(0.636)	418428	4.00000	3.943
24 Isopropyl alcohol	45	5.886	5.885	(0.647)	1115470	4.00000	3.757
26 Ethyl Ether	31	6.042	6.047	(0.664)	796407	4.00000	3.593
27 1,1-Dichloroethene	96	6.344	6.344	(0.698)	739154	4.00000	3.548
29 Acrylonitrile	53	6.419	6.419	(0.706)	595800	4.00000	3.764
30 1,1,2-Trichlorotrifluoroethane	101	6.522	6.522	(0.717)	1566090	4.00000	3.645
28 tert-butanol	59	6.446	6.441	(0.709)	1324008	4.00000	3.771
31 Methylene Chloride	84	6.667	6.662	(0.733)	670573	4.00000	3.565
32 3-Chloropropene	39	6.684	6.684	(0.735)	557733	4.00000	3.707
33 Carbon Disulfide	76	6.829	6.824	(0.751)	2172542	4.00000	3.648
35 ~ 2-Methyl Pentane	43	7.482	7.476	(0.823)	1705363	4.00000	3.660
34 trans-1,2-Dichloroethene	96	7.444	7.444	(0.819)	767085	4.00000	3.568
36 Methyl-t-Butyl Ether	73	7.568	7.568	(0.832)	2019155	4.00000	3.711
37 1,1-Dichloroethane	63	7.838	7.832	(0.862)	1356880	4.00000	3.658
38 Vinyl Acetate	43	7.935	7.935	(0.872)	1898829	4.00000	3.910
39 2-Butanone	72	8.355	8.355	(0.919)	377018	4.00000	3.552
40 Hexane	56	8.420	8.420	(0.926)	640309	4.00000	3.599
41 cis 1,2-Dichloroethene	96	8.781	8.776	(0.966)	780443	4.00000	3.596
42 Ethyl acetate	43	8.954	8.954	(0.985)	1646241	4.00000	3.790
43 Chloroform	83	9.116	9.110	(1.002)	1510977	4.00000	3.651
44 Tetrahydrofuran	42	9.504	9.509	(1.045)	853316	4.00000	3.640
45 1,1,1-Trichloroethane	97	10.119	10.118	(1.113)	1485209	4.00000	3.726
46 1,2-Dichloroethane	62	10.205	10.199	(0.905)	1003677	4.00000	3.705
49 Cyclohexane	69	10.733	10.728	(0.952)	363377	4.00000	3.753
48 Benzene	78	10.712	10.712	(0.950)	2307780	4.00000	3.686
50 Carbon Tetrachloride	117	10.744	10.744	(0.953)	1612424	4.00000	5.012
51 ~ 2,3-dimethylpentane	71	10.863	10.863	(0.963)	496747	4.00000	3.805
47 1-Butanol	31	10.674	10.679	(0.946)	243113	4.00000	4.065
52 ~ Thiophene	84	10.992	10.987	(0.975)	1379165	4.00000	3.813
53 2,2,4-trimethylpentane	57	11.553	11.553	(1.024)	3796309	4.00000	3.754
54 Heptane	71	11.974	11.973	(1.062)	825923	4.00000	3.797
55 1,2-Dichloropropane	63	12.017	12.017	(1.065)	859295	4.00000	3.773
56 Trichloroethene	130	12.076	12.076	(1.071)	1053069	4.00000	3.862
180 ~ 2-nitropropane	43	11.974	11.973	(1.062)	1380497	4.00000	0.000
57 Dibromomethane	93	12.146	12.146	(1.077)	862929	4.00000	3.937
58 Bromodichloromethane	83	12.324	12.324	(1.093)	1625407	4.00000	4.250
60 Methyl Methacrylate	41	12.448	12.448	(1.104)	1003714	4.00000	4.225
59 1,4-dioxane	88	12.340	12.346	(1.094)	341427	4.00000	3.974
61 ~ methyl cyclohexane	83	13.004	13.003	(1.153)	1409131	4.00000	3.850

Data File: /chem/gcms/mr.i/R022013I.b/ricb207.d
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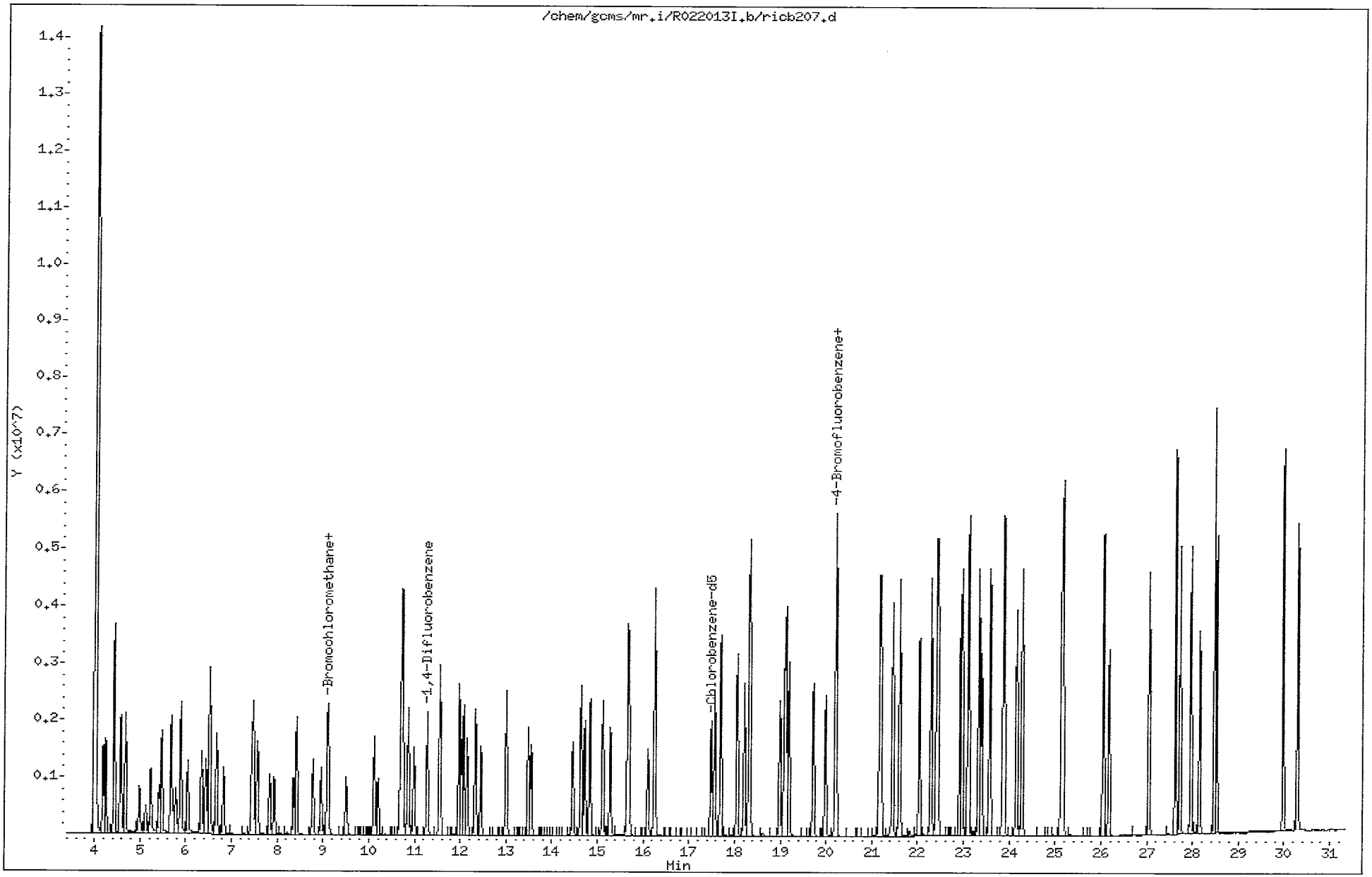
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	13.548	13.548	(1.201)	1255611	4.00000	3.967
62	4-Methyl-2-pentanone	43	13.483	13.483	(1.196)	1756394	4.00000	4.003
64	trans-1,3-Dichloropropene	75	14.459	14.459	(0.827)	1276555	4.00000	4.013
65	Toluene	91	14.637	14.637	(0.837)	2760146	4.00000	3.722
66	1,1,2-Trichloroethane	83	14.724	14.718	(0.842)	785336	4.00000	3.815
67	~ 2-methyl thiophene	97	14.837	14.837	(0.848)	2412968	4.00000	3.896
68	~ 3-methyl thiophene	97	15.117	15.112	(0.864)	2459322	4.00000	3.873
69	2-Hexanone	58	15.279	15.279	(0.874)	955656	4.00000	4.286
70	Octane	85	15.662	15.662	(0.895)	927507	4.00000	3.823
71	Dibromochloromethane	129	15.689	15.689	(0.897)	1681599	4.00000	4.814
72	1,2-Dibromoethane	107	16.104	16.104	(0.921)	1479440	4.00000	4.192
73	Tetrachloroethene	129	16.250	16.250	(0.929)	991008	4.00000	3.798
75	~ 2,3-dimethylheptane	43	17.695	17.695	(1.012)	2478249	4.00000	3.727
74	Chlorobenzene	112	17.565	17.565	(1.004)	2208762	4.00000	3.806
76	Ethylbenzene	91	18.056	18.056	(1.032)	3512281	4.00000	3.784
77	~ 2-ethyl thiophene	97	18.213	18.212	(1.041)	2706860	4.00000	3.923
78	m&p-Xylene	91	18.331	18.326	(1.048)	5488275	8.00000	7.663
79	Nonane	57	19.124	19.124	(1.093)	1864155	4.00000	3.870
80	Bromoform	173	18.989	18.989	(1.086)	1655476	4.00000	5.634
81	Styrene	104	19.086	19.086	(1.091)	2129995	4.00000	4.509
82	o-Xylene	91	19.189	19.183	(1.097)	2769090	4.00000	3.736
84	1,1,2,2-Tetrachloroethane	83	19.717	19.722	(1.127)	2094098	4.00000	4.011
85	1,2,3-Trichloropropane	110	19.987	19.987	(1.143)	620658	4.00000	3.881
86	Cumene	105	20.208	20.202	(1.155)	4107524	4.00000	3.868
87	n-Propylbenzene	120	21.168	21.162	(1.210)	1187138	4.00000	3.990
88	2-chlorotoluene	126	21.200	21.194	(1.212)	1057707	4.00000	3.860
89	4-Ethyltoluene	105	21.453	21.453	(1.227)	4249373	4.00000	3.948
90	1,3,5-Trimethylbenzene	120	21.604	21.604	(1.235)	2004264	4.00000	3.988
91	Alpha-Methylstyrene	118	22.036	22.036	(1.260)	1665442	4.00000	4.583
92	Decane	57	22.289	22.289	(1.274)	2386788	4.00000	4.002
93	tert-butylbenzene	119	22.413	22.408	(1.281)	3737475	4.00000	3.903
94	1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	3518569	4.00000	3.968
95	sec-butylbenzene	105	22.969	22.969	(1.313)	5123491	4.00000	3.890
96	1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	2367800	4.00000	4.004
97	Benzyl Chloride	91	23.098	23.098	(1.321)	3155743	4.00000	4.351
98	1,4-Dichlorobenzene	146	23.114	23.114	(1.322)	2402462	4.00000	4.048
99	p-Cymene	119	23.335	23.330	(1.334)	4393978	4.00000	3.955
100	~ 1,2,3- Trimethylbenzene	105	23.395	23.395	(1.338)	3124193	4.00000	3.898
101	~ n-butylcyclohexane	83	23.578	23.572	(1.348)	2799999	4.00000	3.815
102	~ Indane	117	23.885	23.885	(1.366)	3337214	4.00000	3.882
103	1,2-Dichlorobenzene	146	23.864	23.864	(1.364)	2269421	4.00000	3.960
104	n-butylbenzene	91	24.279	24.279	(1.388)	4086141	4.00000	3.910
105	~ Indene	116	24.160	24.160	(1.381)	3300898	4.00000	4.276
106	Undecane	57	25.169	25.169	(1.439)	2892176	4.00000	4.100
107	~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.437)	4381789	4.00000	3.937
108	~ 1,2,4,5-tetramethylbenzene	119	26.053	26.048	(1.490)	4524383	4.00000	3.965
109	~ 1,2,3,5-tetramethylbenzene	119	26.177	26.172	(1.497)	2779993	4.00000	3.871

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	27.051	27.045	(1.547)	3734862	4.00000	3.945
111 Dodecane	57	27.622	27.622	(1.579)	2932080	4.00000	4.574
112 1,2,4-Trichlorobenzene	180	27.730	27.725	(1.585)	2246491	4.00000	4.452
113 Napthalene	128	27.962	27.962	(1.599)	5382230	4.00000	4.526
114 ~ benzo(b) thiophene	134	28.151	28.151	(1.610)	3653061	4.00000	4.219
115 Hexachlorobutadiene	225	28.474	28.474	(1.628)	1967777	4.00000	4.014
116 1,2,3-trichlorobenzene	180	28.523	28.523	(1.631)	2214773	4.00000	4.256
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.714)	4024073	25.0000	30.57
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.732)	3342985	25.0000	28.39

Data File: /chem/gcms/mr.i/R022013I.b/ricb207.d
Date : 20-FEB-2013 21:50
Client ID: STD4
Sample Info: ICAL7,1,1,7,,STD4
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 060487
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/ricb208.d
Report Date: 21-Feb-2013 12:04

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb208.d
Lab Smp Id: ICAL8 Client Smp ID: STD8
Inj Date : 20-FEB-2013 22:37
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL8,1,1,8,,STD8
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 22:37 Cal File: ricb208.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1	Bromochloromethane	128	9.099	9.089	(1.000)	540354	4.00000	4.000
* 2	1,4-Difluorobenzene	114	11.283	11.278	(1.000)	2546995	4.00000	4.000
* 3	Chlorobenzene-d5	117	17.490	17.490	(1.000)	1857770	4.00000	4.000
$ 4	4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1349445	4.00000	4.178
M 83	Xylene (total)	100				17511981	24.0000	23.04
5	Chlorodifluoromethane	67	4.187	4.187	(0.460)	372763	8.00000	6.568
6	Propene	41	4.198	4.192	(0.461)	1144756	8.00000	6.763
7	Dichlorodifluoromethane	85	4.252	4.246	(0.467)	3852790	8.00000	6.653
8	Chloromethane	52	4.424	4.424	(0.486)	449868	8.00000	6.236
9	1,2-Dichlorotetrafluoroethane	135	4.435	4.435	(0.487)	3115556	8.00000	6.773
10	Methanol	31	4.570	4.570	(0.502)	351452	8.00000	7.079
11	~ acetaldehyde	44	4.575	4.570	(0.503)	2765387	40.0000	32.74
12	Vinyl Chloride	62	4.591	4.591	(0.505)	1637585	8.00000	6.731
13	n-Butane	43	4.683	4.678	(0.515)	2270040	8.00000	6.230
14	1,3-Butadiene	54	4.683	4.678	(0.515)	1286346	8.00000	6.724
15	Bromomethane	94	4.990	4.985	(0.548)	1481360	8.00000	6.522

Data File: /chem/gcms/mr.i/R022013I.b/ricb208.d
Report Date: 21-Feb-2013 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	5.125	5.125	(0.563)	825955	8.00000	6.728
17 ~ ethanol	31	5.238	5.233	(0.576)	2384899	40.0000	30.57
18 Vinyl Bromide	106	5.422	5.416	(0.596)	1595173	8.00000	7.092
19 2-methyl butane	43	5.476	5.470	(0.602)	1860072	8.00000	6.836
20 Trichlorofluoromethane	101	5.681	5.675	(0.624)	3934641	8.00000	7.080
21 Acrolein	56	5.675	5.670	(0.624)	565118	8.00000	6.753
22 Acetonitrile	40	5.735	5.729	(0.630)	611332	8.00000	7.394
25 Pentane	72	5.896	5.896	(0.648)	322511	8.00000	7.342
23 Acetone	58	5.788	5.783	(0.636)	798490	8.00000	7.276
24 Isopropyl alcohol	45	5.891	5.885	(0.647)	2311077	8.00000	7.386
26 Ethyl Ether	31	6.042	6.047	(0.664)	1635935	8.00000	6.975
27 1,1-Dichloroethene	96	6.349	6.344	(0.698)	1561738	8.00000	7.071
29 Acrylonitrile	53	6.425	6.419	(0.706)	1264156	8.00000	7.471
30 1,1,2-Trichlorotrifluoroethane	101	6.527	6.522	(0.717)	3296398	8.00000	7.214
28 tert-butanol	59	6.452	6.441	(0.709)	2765131	8.00000	7.396
31 Methylene Chloride	84	6.667	6.662	(0.733)	1403404	8.00000	7.098
32 3-Chloropropene	39	6.689	6.684	(0.735)	905451	8.00000	5.821
33 Carbon Disulfide	76	6.829	6.824	(0.750)	4518602	8.00000	7.146
35 ~ 2-Methyl Pentane	43	7.482	7.476	(0.822)	3528570	8.00000	7.154
34 trans-1,2-Dichloroethene	96	7.449	7.444	(0.819)	1618602	8.00000	7.097
36 Methyl-t-Butyl Ether	73	7.568	7.568	(0.832)	4218330	8.00000	7.280
37 1,1-Dichloroethane	63	7.838	7.832	(0.861)	2828507	8.00000	7.175
38 Vinyl Acetate	43	7.940	7.935	(0.873)	3983094	8.00000	7.645
39 2-Butanone	72	8.355	8.355	(0.918)	784610	8.00000	7.044
40 Hexane	56	8.425	8.420	(0.926)	1339039	8.00000	7.095
41 cis 1,2-Dichloroethene	96	8.781	8.776	(0.965)	1657563	8.00000	7.186
42 Ethyl acetate	43	8.959	8.954	(0.985)	3441114	8.00000	7.433
43 Chloroform	83	9.121	9.110	(1.002)	3147960	8.00000	7.160
44 Tetrahydrofuran	42	9.504	9.509	(1.044)	1784841	8.00000	7.187
45 1,1,1-Trichloroethane	97	10.119	10.118	(1.112)	3146884	8.00000	7.396
46 1,2-Dichloroethane	62	10.210	10.199	(0.905)	2090611	8.00000	7.422
49 Cyclohexane	69	10.733	10.728	(0.951)	767890	8.00000	7.599
48 Benzene	78	10.717	10.712	(0.950)	4866573	8.00000	7.468
50 Carbon Tetrachloride	117	10.749	10.744	(0.953)	1962219	8.00000	6.033
51 ~ 2,3-dimethylpentane	71	10.868	10.863	(0.963)	1042671	8.00000	7.646
47 1-Butanol	31	10.679	10.679	(0.946)	503787	8.00000	8.003
52 ~ Thiophene	84	10.992	10.987	(0.974)	2900430	8.00000	7.673
53 2,2,4-trimethylpentane	57	11.558	11.553	(1.024)	7950864	8.00000	7.543
54 Heptane	71	11.979	11.973	(1.062)	1743091	8.00000	7.668
55 1,2-Dichloropropane	63	12.022	12.017	(1.065)	1811670	8.00000	7.619
56 Trichloroethene	130	12.081	12.076	(1.071)	2277990	8.00000	7.947
180 ~ 2-nitropropane	43	11.979	11.973	(1.062)	2879395	8.00000	0.000
57 Dibromomethane	93	12.151	12.146	(1.077)	1870851	8.00000	8.095
58 Bromodichloromethane	83	12.329	12.324	(1.093)	3372192	8.00000	8.323
60 Methyl Methacrylate	41	12.453	12.448	(1.104)	2106982	8.00000	8.354
59 1,4-dioxane	88	12.340	12.346	(1.094)	724353	8.00000	8.009
61 ~ methyl cyclohexane	83	13.009	13.003	(1.153)	2985290	8.00000	7.786

Data File: /chem/gcms/mr.i/R022013I.b/ricb208.d
Report Date: 21-Feb-2013 12:04

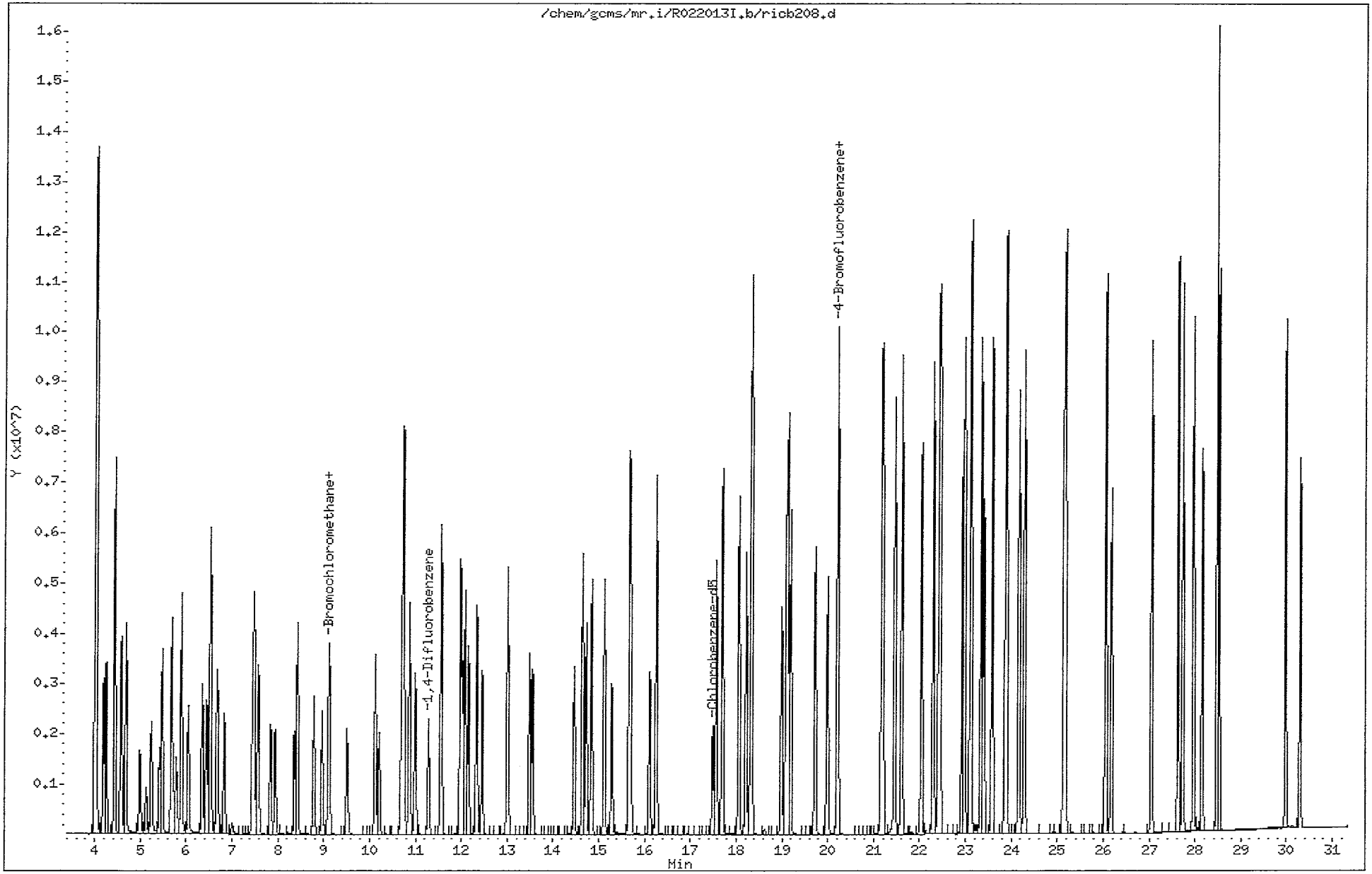
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63 cis-1,3-Dichloropropene	75	13.553	13.548	(1.201)	2680970	8.00000	8.042
62 4-Methyl-2-pentanone	43	13.489	13.483	(1.195)	3331609	8.00000	7.360
64 trans-1,3-Dichloropropene	75	14.465	14.459	(0.827)	2639415	8.00000	7.877
65 Toluene	91	14.643	14.637	(0.837)	5872415	8.00000	7.566
66 1,1,2-Trichloroethane	83	14.724	14.718	(0.842)	1663913	8.00000	7.701
67 ~ 2-methyl thiophene	97	14.842	14.837	(0.849)	5129929	8.00000	7.866
68 ~ 3-methyl thiophene	97	15.117	15.112	(0.864)	5231037	8.00000	7.828
69 2-Hexanone	58	15.279	15.279	(0.874)	1530828	8.00000	6.711
70 Octane	85	15.662	15.662	(0.895)	1973319	8.00000	7.743
71 Dibromochloromethane	129	15.694	15.689	(0.897)	3462170	8.00000	9.159
72 1,2-Dibromoethane	107	16.104	16.104	(0.921)	3198562	8.00000	8.494
73 Tetrachloroethene	129	16.250	16.250	(0.929)	2121111	8.00000	7.740
75 ~ 2,3-dimethylheptane	43	17.695	17.695	(1.012)	5099215	8.00000	7.358
74 Chlorobenzene	112	17.565	17.565	(1.004)	4715186	8.00000	7.736
76 Ethylbenzene	91	18.056	18.056	(1.032)	7439684	8.00000	7.646
77 ~ 2-ethyl thiophene	97	18.218	18.212	(1.042)	5754146	8.00000	7.911
78 m&p-Xylene	91	18.331	18.326	(1.048)	11659207	16.0000	15.50
79 Nonane	57	19.124	19.124	(1.093)	3897760	8.00000	7.716
80 Bromoform	173	18.989	18.989	(1.086)	3262039	8.00000	9.990
81 Styrene	104	19.086	19.086	(1.091)	4700016	8.00000	9.151
82 o-Xylene	91	19.188	19.183	(1.097)	5852774	8.00000	7.547
84 1,1,2,2-Tetrachloroethane	83	19.722	19.722	(1.128)	4458353	8.00000	8.074
85 1,2,3-Trichloropropane	110	19.987	19.987	(1.143)	1323468	8.00000	7.860
86 Cumene	105	20.208	20.202	(1.155)	8759520	8.00000	7.841
87 n-Propylbenzene	120	21.167	21.162	(1.210)	2589274	8.00000	8.199
88 2-chlorotoluene	126	21.200	21.194	(1.212)	2302096	8.00000	7.961
89 4-Ethyltoluene	105	21.453	21.453	(1.227)	9096637	8.00000	8.002
90 1,3,5-Trimethylbenzene	120	21.610	21.604	(1.236)	4360096	8.00000	8.179
91 Alpha-Methylstyrene	118	22.036	22.036	(1.260)	3878760	8.00000	9.601
92 Decane	57	22.294	22.289	(1.275)	5019618	8.00000	7.974
93 tert-butylbenzene	119	22.413	22.408	(1.281)	8078917	8.00000	7.991
94 1,2,4-Trimethylbenzene	105	22.445	22.440	(1.283)	7571746	8.00000	8.073
95 sec-butylbenzene	105	22.974	22.969	(1.314)	10988409	8.00000	7.916
96 1,3-Dichlorobenzene	146	22.931	22.925	(1.311)	5250557	8.00000	8.337
97 Benzyl Chloride	91	23.103	23.098	(1.321)	6984830	8.00000	8.911
98 1,4-Dichlorobenzene	146	23.120	23.114	(1.322)	5348640	8.00000	8.439
99 p-Cymene	119	23.335	23.330	(1.334)	9416986	8.00000	8.023
100 ~ 1,2,3- Trimethylbenzene	105	23.400	23.395	(1.338)	6652212	8.00000	7.878
101 ~ n-butylcyclohexane	83	23.578	23.572	(1.348)	5952940	8.00000	7.732
102 ~ Indane	117	23.891	23.885	(1.366)	7233350	8.00000	7.971
103 1,2-Dichlorobenzene	146	23.869	23.864	(1.365)	4981861	8.00000	8.193
104 n-butylbenzene	91	24.279	24.279	(1.388)	8589652	8.00000	7.819
105 ~ Indene	116	24.160	24.160	(1.381)	7452598	8.00000	8.929
106 Undecane	57	25.174	25.169	(1.439)	5859547	8.00000	7.888
107 ~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.437)	9340017	8.00000	7.955
108 ~ 1,2,4,5-tetramethylbenzene	119	26.053	26.048	(1.490)	9571728	8.00000	7.952
109 ~ 1,2,3,5-tetramethylbenzene	119	26.177	26.172	(1.497)	5859609	8.00000	7.771

Data File: /chem/gcms/mr.i/R022013I.b/ricb208.d
Report Date: 21-Feb-2013 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	27.051	27.045	(1.547)	7858767	8.00000	7.883
111 Dodecane	57	27.628	27.622	(1.580)	5151406	8.00000	7.672
112 1,2,4-Trichlorobenzene	180	27.730	27.725	(1.585)	4934473	8.00000	9.056
113 Napthalene	128	27.967	27.962	(1.599)	11316077	8.00000	8.851
114 ~ benzo(b) thiophene	134	28.156	28.151	(1.610)	7814470	8.00000	8.463
115 Hexachlorobutadiene	225	28.474	28.474	(1.628)	4452761	8.00000	8.494
116 1,2,3-trichlorobenzene	180	28.523	28.523	(1.631)	4820268	8.00000	8.651
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.714)	6170828	50.0000	45.41
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.732)	4486664	50.0000	38.21

Data File: /chem/gcms/mr.i/R022013I.b/ricb208.d
Date : 20-FEB-2013 22:37
Client ID: STD8
Sample Info: ICAL8,1,1,8,,STD8
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 060487
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/ricb209.d
Report Date: 21-Feb-2013 12:04

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/ricb209.d
Lab Smp Id: ICAL9 Client Smp ID: STD16
Inj Date : 20-FEB-2013 23:25
Operator : 060487 Inst ID: mr.i
Smp Info : ICAL9,1,1,9,,STD16
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 23:25 Cal File: ricb209.d
Als bottle: 1 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1	Bromochloromethane	128	9.105	9.089	(1.000)	561398	4.00000	4.000
* 2	1,4-Difluorobenzene	114	11.283	11.278	(1.000)	2583489	4.00000	4.000
* 3	Chlorobenzene-d5	117	17.490	17.490	(1.000)	1896513	4.00000	4.000
$ 4	4-Bromofluorobenzene	95	20.224	20.218	(1.156)	1388011	4.00000	4.182
M 83	Xylene (total)	100				35393122	48.0000	45.89
5	Chlorodifluoromethane	67	4.187	4.187	(0.460)	736609	16.0000	12.84
6	Propene	41	4.198	4.192	(0.461)	2244400	16.0000	13.21
7	Dichlorodifluoromethane	85	4.252	4.246	(0.467)	7394520	16.0000	12.66
8	Chloromethane	52	4.424	4.424	(0.486)	828183	16.0000	11.56
9	1,2-Dichlorotetrafluoroethane	135	4.440	4.435	(0.488)	6085909	16.0000	13.07
10	Methanol	31	4.570	4.570	(0.502)	606006	16.0000	12.58
11	~ acetaldehyde	44	4.575	4.570	(0.502)	5083153	80.0000	61.32
12	Vinyl Chloride	62	4.597	4.591	(0.505)	3171058	16.0000	12.89
13	n-Butane	43	4.683	4.678	(0.514)	4315599	16.0000	11.82
14	1,3-Butadiene	54	4.683	4.678	(0.514)	2489412	16.0000	12.87
15	Bromomethane	94	4.990	4.985	(0.548)	2971033	16.0000	12.93

Data File: /chem/gcms/mr.i/R022013I.b/ricb209.d
Report Date: 21-Feb-2013 12:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16	Chloroethane	64	5.130	5.125	(0.564)	1653631	16.0000	13.28
17	~ ethanol	31	5.244	5.233	(0.576)	4434068	80.0000	57.30
18	Vinyl Bromide	106	5.422	5.416	(0.595)	3312200	16.0000	14.38
19	2-methyl butane	43	5.476	5.470	(0.601)	3741507	16.0000	13.53
20	Trichlorofluoromethane	101	5.686	5.675	(0.624)	8011312	16.0000	14.11
21	Acrolein	56	5.680	5.670	(0.624)	1191671	16.0000	14.04
22	Acetonitrile	40	5.740	5.729	(0.630)	1245205	16.0000	14.73
25	Pentane	72	5.896	5.896	(0.648)	666249	16.0000	14.78
23	Acetone	58	5.788	5.783	(0.636)	1575647	16.0000	14.31
24	Isopropyl alcohol	45	5.896	5.885	(0.648)	4521669	16.0000	14.28
26	Ethyl Ether	31	6.047	6.047	(0.664)	3245520	16.0000	13.60
27	1,1-Dichloroethene	96	6.349	6.344	(0.697)	3238941	16.0000	14.32
29	Acrylonitrile	53	6.430	6.419	(0.706)	2600204	16.0000	14.93
30	1,1,2-Trichlorotrifluoroethane	101	6.527	6.522	(0.717)	6812913	16.0000	14.54
28	tert-butanol	59	6.457	6.441	(0.709)	5594252	16.0000	14.61
31	Methylene Chloride	84	6.673	6.662	(0.733)	2911070	16.0000	14.45
32	3-Chloropropene	39	6.689	6.684	(0.735)	2157729	16.0000	13.63
33	Carbon Disulfide	76	6.834	6.824	(0.751)	9211633	16.0000	14.24
35	~ 2-Methyl Pentane	43	7.487	7.476	(0.822)	6950055	16.0000	13.86
34	trans-1,2-Dichloroethene	96	7.455	7.444	(0.819)	3384390	16.0000	14.48
36	Methyl-t-Butyl Ether	73	7.573	7.568	(0.832)	8665753	16.0000	14.58
37	1,1-Dichloroethane	63	7.843	7.832	(0.861)	5770108	16.0000	14.30
38	Vinyl Acetate	43	7.945	7.935	(0.873)	8133772	16.0000	15.14
39	2-Butanone	72	8.360	8.355	(0.918)	1625945	16.0000	14.34
40	Hexane	56	8.425	8.420	(0.925)	2763285	16.0000	14.31
41	cis 1,2-Dichloroethene	96	8.786	8.776	(0.965)	3444447	16.0000	14.56
42	Ethyl acetate	43	8.964	8.954	(0.985)	6995031	16.0000	14.74
43	Chloroform	83	9.126	9.110	(1.002)	6438069	16.0000	14.31
44	Tetrahydrofuran	42	9.504	9.509	(1.044)	3616349	16.0000	14.27
45	1,1,1-Trichloroethane	97	10.124	10.118	(1.112)	6493142	16.0000	14.84
46	1,2-Dichloroethane	62	10.210	10.199	(0.905)	4245469	16.0000	14.99
49	Cyclohexane	69	10.739	10.728	(0.952)	1527963	16.0000	15.03
48	Benzene	78	10.722	10.712	(0.950)	9923500	16.0000	15.13
50	Carbon Tetrachloride	117	10.749	10.744	(0.953)	6925617	16.0000	20.20(A)
51	~ 2,3-dimethylpentane	71	10.873	10.863	(0.964)	2146395	16.0000	15.58
47	1-Butanol	31	10.679	10.679	(0.946)	1026454	16.0000	16.06(A)
52	~ Thiophene	84	10.997	10.987	(0.975)	5985260	16.0000	15.66
53	2,2,4-trimethylpentane	57	11.564	11.553	(1.025)	15934399	16.0000	15.03
54	Heptane	71	11.984	11.973	(1.062)	3602510	16.0000	15.67
55	1,2-Dichloropropane	63	12.027	12.017	(1.066)	3727076	16.0000	15.52
56	Trichloroethene	130	12.081	12.076	(1.071)	4770911	16.0000	16.36(A)
180	~ 2-nitropropane	43	11.979	11.973	(1.062)	5676520	16.0000	0.000
57	Dibromomethane	93	12.157	12.146	(1.077)	3782526	16.0000	16.12(A)
58	Bromodichloromethane	83	12.335	12.324	(1.093)	7113149	16.0000	17.13(A)
60	Methyl Methacrylate	41	12.459	12.448	(1.104)	4279429	16.0000	16.62(A)
59	1,4-dioxane	88	12.345	12.346	(1.094)	1464223	16.0000	15.97
61	~ methyl cyclohexane	83	13.014	13.003	(1.153)	6190643	16.0000	15.93

Data File: /chem/gcms/mr.i/R022013I.b/ricb209.d
Report Date: 21-Feb-2013 12:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	13.559	13.548	(1.202)	5566452	16.0000	16.40(A)
62	4-Methyl-2-pentanone	43	13.494	13.483	(1.196)	7457883	16.0000	16.20(A)
64	trans-1,3-Dichloropropene	75	14.465	14.459	(0.827)	5685037	16.0000	16.54(A)
65	Toluene	91	14.648	14.637	(0.838)	12133635	16.0000	15.40
66	1,1,2-Trichloroethane	83	14.729	14.718	(0.842)	3463759	16.0000	15.74
67	~ 2-methyl thiophene	97	14.848	14.837	(0.849)	10613970	16.0000	15.95
68	~ 3-methyl thiophene	97	15.123	15.112	(0.865)	10874362	16.0000	15.95
69	2-Hexanone	58	15.284	15.279	(0.874)	4271970	16.0000	17.97(A)
70	Octane	85	15.667	15.662	(0.896)	4066955	16.0000	15.68
71	Dibromochloromethane	129	15.700	15.689	(0.898)	7857478	16.0000	19.69(A)
72	1,2-Dibromoethane	107	16.115	16.104	(0.921)	6773830	16.0000	17.40(A)
73	Tetrachloroethene	129	16.255	16.250	(0.929)	4431686	16.0000	15.86
75	~ 2,3-dimethylheptane	43	17.700	17.695	(1.012)	9923761	16.0000	14.25
74	Chlorobenzene	112	17.571	17.565	(1.005)	9956985	16.0000	16.00(A)
76	Ethylbenzene	91	18.061	18.056	(1.033)	15319316	16.0000	15.49
77	~ 2-ethyl thiophene	97	18.218	18.212	(1.042)	12010435	16.0000	16.15(A)
78	m&p-Xylene	91	18.336	18.326	(1.048)	23237176	32.0000	30.46
79	Nonane	57	19.129	19.124	(1.094)	7821645	16.0000	15.28
80	Bromoform	173	18.994	18.989	(1.086)	8378935	16.0000	23.24(A)
81	Styrene	104	19.091	19.086	(1.092)	10105442	16.0000	18.73(A)
82	o-Xylene	91	19.194	19.183	(1.097)	12155945	16.0000	15.43
84	1,1,2,2-Tetrachloroethane	83	19.728	19.722	(1.128)	9271389	16.0000	16.39(A)
85	1,2,3-Trichloropropane	110	19.992	19.987	(1.143)	2789327	16.0000	16.20(A)
86	Cumene	105	20.213	20.202	(1.156)	17836176	16.0000	15.69
87	n-Propylbenzene	120	21.173	21.162	(1.211)	5523606	16.0000	16.96(A)
88	2-chlorotoluene	126	21.205	21.194	(1.212)	4889234	16.0000	16.49(A)
89	4-Ethyltoluene	105	21.459	21.453	(1.227)	18705230	16.0000	16.10(A)
90	1,3,5-Trimethylbenzene	120	21.615	21.604	(1.236)	9253203	16.0000	16.85(A)
91	Alpha-Methylstyrene	118	22.041	22.036	(1.260)	8525568	16.0000	19.71(A)
92	Decane	57	22.300	22.289	(1.275)	9976807	16.0000	15.58
93	tert-butylbenzene	119	22.424	22.408	(1.282)	16649608	16.0000	16.11(A)
94	1,2,4-Trimethylbenzene	105	22.451	22.440	(1.284)	15427408	16.0000	16.10(A)
95	sec-butylbenzene	105	22.979	22.969	(1.314)	22046529	16.0000	15.62
96	1,3-Dichlorobenzene	146	22.936	22.925	(1.311)	11285592	16.0000	17.31(A)
97	Benzyl Chloride	91	23.109	23.098	(1.321)	14102155	16.0000	17.37(A)
98	1,4-Dichlorobenzene	146	23.130	23.114	(1.322)	11248407	16.0000	17.17(A)
99	p-Cymene	119	23.346	23.330	(1.335)	19397581	16.0000	16.16(A)
100	~ 1,2,3- Trimethylbenzene	105	23.405	23.395	(1.338)	13902339	16.0000	16.11(A)
101	~ n-butylcyclohexane	83	23.583	23.572	(1.348)	12117879	16.0000	15.50
102	~ Indane	117	23.896	23.885	(1.366)	14684940	16.0000	15.87
103	1,2-Dichlorobenzene	146	23.874	23.864	(1.365)	10502597	16.0000	16.78(A)
104	n-butylbenzene	91	24.284	24.279	(1.388)	17347017	16.0000	15.54
105	~ Indene	116	24.171	24.160	(1.382)	15806618	16.0000	18.14(A)
106	Undecane	57	25.179	25.169	(1.440)	10718532	16.0000	14.37
107	~ 1,2-dimethyl-4-ethylenzene	119	25.142	25.136	(1.437)	18910082	16.0000	15.81
108	~ 1,2,4,5-tetramethylbenzene	119	26.058	26.048	(1.490)	18844212	16.0000	15.43
109	~ 1,2,3,5-tetramethylbenzene	119	26.182	26.172	(1.497)	11766561	16.0000	15.38

Data File: /chem/gcms/mr.i/R022013I.b/ricb209.d
Report Date: 21-Feb-2013 12:04

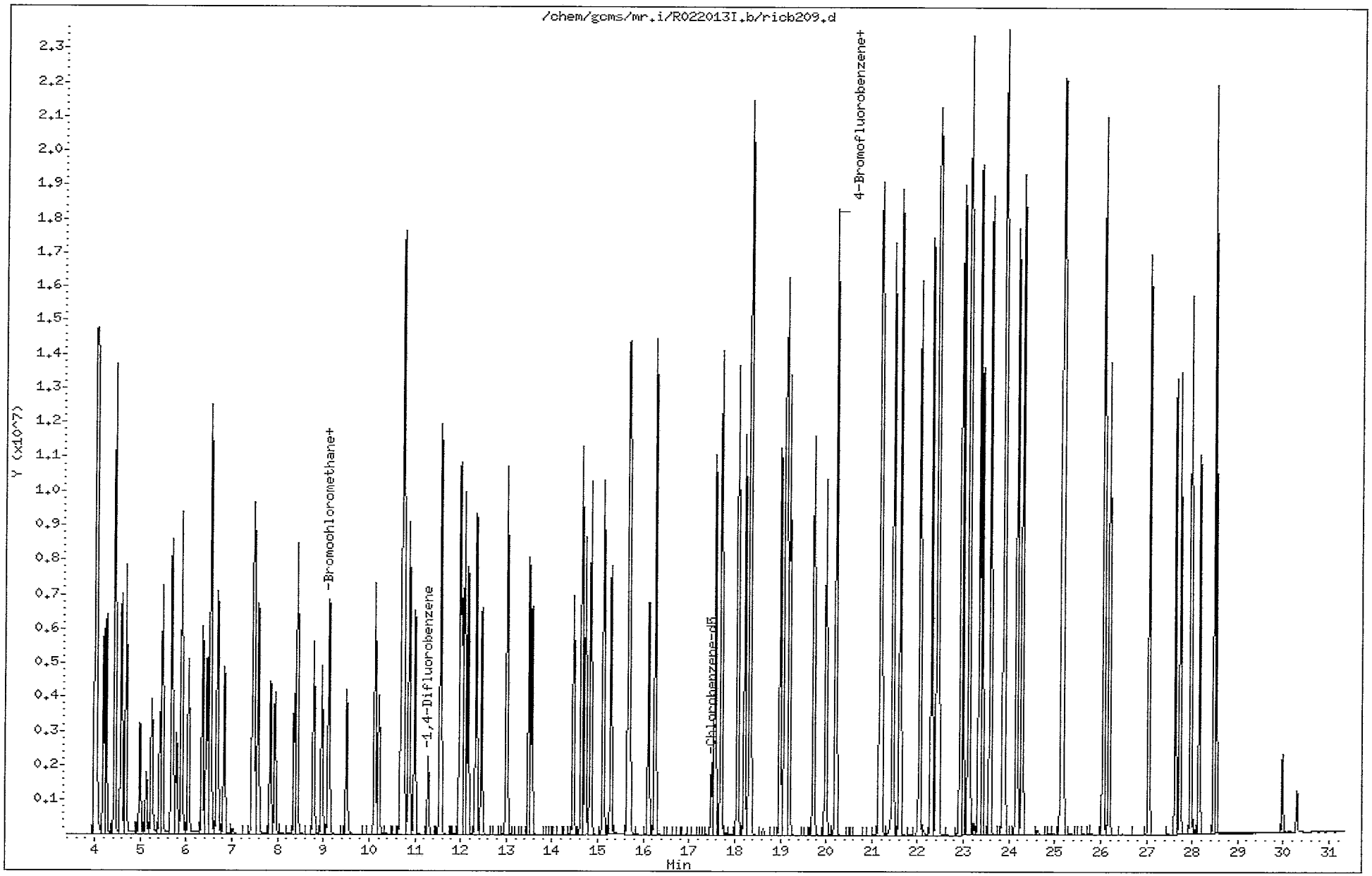
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	27.056	27.045	(1.547)	13885634	16.0000	13.94
111 Dodecane	57	27.627	27.622	(1.580)	5962662	16.0000	9.306
112 1,2,4-Trichlorobenzene	180	27.735	27.725	(1.586)	6310123	16.0000	11.77
113 Napthalene	128	27.967	27.962	(1.599)	17315870	16.0000	13.27
114 ~ benzo(b) thiophene	134	28.156	28.151	(1.610)	11454999	16.0000	12.53
115 Hexachlorobutadiene	225	28.479	28.474	(1.628)	6463681	16.0000	12.52
116 1,2,3-trichlorobenzene	180	28.523	28.523	(1.631)	4559021	16.0000	8.548
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.714)	1383818	100.000	9.976
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.732)	737945	100.000	6.156

QC Flag Legend

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

Data File: /chem/gcms/mr.i/R022013I.b/ricb209.d
Date : 20-FEB-2013 23:25
Client ID: STD16
Sample Info: ICAL9,1,1,9,,STD16
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 060487
Column diameter: 0.32



Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Report Date: 21-Feb-2013 12:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Lab Smp Id: MXXX51AA Client Smp ID: IDOC 1 / 2nd source
Inj Date : 21-FEB-2013 09:27
Operator : 060487 Inst ID: mr.i
Smp Info : ,,0,,,
Misc Info : R022013I,TO15,
Comment :
Method : /chem/gcms/mr.i/R022013I.b/TO15.m
Meth Date : 21-Feb-2013 12:03 wilesd Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.094	9.089	(1.000)	444415	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.278	11.278	(1.000)	2155314	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.490	17.490	(1.000)	1582730	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.218	20.218	(1.156)	1158760	4.18171	4.182
M	83 Xylene (total)	100				8001405	12.4381	12.44
	5 Chlorodifluoromethane	67	4.187	4.187	(0.460)	175968	3.87607	3.876
	6 Propene	41	4.198	4.192	(0.462)	562086	4.16065	4.161
	7 Dichlorodifluoromethane	85	4.251	4.246	(0.468)	1892132	4.08579	4.086
	8 Chloromethane	52	4.424	4.424	(0.486)	229462	4.05354	4.054
	9 1,2-Dichlorotetrafluoroethane	135	4.435	4.435	(0.488)	1491184	4.04028	4.040
	10 Methanol	31	4.570	4.570	(0.502)	162153	3.93230	3.932
	11 ~ acetaldehyde	44	4.575	4.570	(0.503)	1334072	20.0373	20.04
	12 Vinyl Chloride	62	4.591	4.591	(0.505)	799686	4.10538	4.105
	13 n-Butane	43	4.683	4.678	(0.515)	1118918	3.88833	3.888
	14 1,3-Butadiene	54	4.683	4.678	(0.515)	602753	3.93937	3.939

Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Report Date: 21-Feb-2013 12:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
15	Bromomethane	94	4.990	4.985	(0.549)	737811	4.07905	4.079
16	Chloroethane	64	5.125	5.125	(0.564)	406970	4.13728	4.137
17	~ ethanol	31	5.238	5.233	(0.576)	1040490	17.0709	17.07
18	Vinyl Bromide	106	5.422	5.416	(0.596)	705190	3.87358	3.874
19	2-methyl butane	43	5.476	5.470	(0.602)	880800	4.02822	4.028
20	Trichlorofluoromethane	101	5.680	5.675	(0.625)	1872199	4.16105	4.161
21	Acrolein	56	5.675	5.670	(0.624)	291553	4.38153	4.382
22	Acetonitrile	40	5.729	5.729	(0.630)	278840	4.11441	4.114
25	Pentane	72	5.896	5.896	(0.648)	153958	4.29608	4.296
23	Acetone	58	5.783	5.783	(0.636)	351036	3.84895	3.849
24	Isopropyl alcohol	45	5.885	5.885	(0.647)	978528	3.84324	3.843
26	Ethyl Ether	31	6.042	6.047	(0.664)	820535	4.33767	4.338
27	1,1-Dichloroethene	96	6.349	6.344	(0.698)	607449	3.40609	3.406
29	Acrylonitrile	53	6.425	6.419	(0.706)	567817	4.11588	4.116
30	1,1,2-Trichlorotrifluoroethane	101	6.522	6.522	(0.717)	1320590	3.56145	3.561
28	tert-butanol	59	6.446	6.441	(0.709)	1206245	3.96124	3.961
31	Methylene Chloride	84	6.667	6.662	(0.733)	568398	3.54972	3.550
32	3-Chloropropene	39	6.689	6.684	(0.736)	451872	3.58196	3.582
33	Carbon Disulfide	76	6.829	6.824	(0.751)	2058766	4.02630	4.026
35	~ 2-Methyl Pentane	43	7.482	7.476	(0.823)	1671052	4.20057	4.200
34	trans-1,2-Dichloroethene	96	7.444	7.444	(0.819)	734296	3.98417	3.984
36	Methyl-t-Butyl Ether	73	7.568	7.568	(0.832)	1945748	4.12994	4.130
37	1,1-Dichloroethane	63	7.837	7.832	(0.862)	1240308	3.87998	3.880
38	Vinyl Acetate	43	7.934	7.935	(0.872)	1777904	4.18037	4.180
39	2-Butanone	72	8.355	8.355	(0.919)	347275	3.89199	3.892
40	Hexane	56	8.420	8.420	(0.926)	620841	4.06586	4.066
41	cis 1,2-Dichloroethene	96	8.781	8.776	(0.966)	693890	3.71395	3.714
42	Ethyl acetate	43	8.959	8.954	(0.985)	1612334	4.28103	4.281
43	Chloroform	83	9.115	9.110	(1.002)	1390049	3.90192	3.902
44	Tetrahydrofuran	42	9.504	9.509	(1.045)	821800	4.09006	4.090
45	1,1,1-Trichloroethane	97	10.118	10.118	(1.113)	1372706	3.96263	3.963
46	1,2-Dichloroethane	62	10.205	10.199	(0.905)	932611	3.95189	3.952
49	Cyclohexane	69	10.733	10.728	(0.952)	351361	4.15249	4.152
48	Benzene	78	10.712	10.712	(0.950)	2123308	3.89199	3.892
50	Carbon Tetrachloride	117	10.749	10.744	(0.953)	1295965	4.59841	4.598
51	~ 2,3-dimethylpentane	71	10.868	10.863	(0.964)	479055	4.17063	4.171
47	1-Butanol	31	10.679	10.679	(0.947)	230075	4.33306	4.333
52	~ Thiophene	84	10.992	10.987	(0.975)	1325908	4.16095	4.161
53	2,2,4-trimethylpentane	57	11.553	11.553	(1.024)	3691250	4.17707	4.177
54	Heptane	71	11.973	11.973	(1.062)	798750	4.17234	4.172
55	1,2-Dichloropropane	63	12.022	12.017	(1.066)	816288	4.08117	4.081
56	Trichloroethene	130	12.076	12.076	(1.071)	984917	4.05845	4.058
180	~ 2-nitropropane	43	11.973	11.973	(1.062)	1359706		
57	Dibromomethane	93	12.151	12.146	(1.077)	847344	4.33547	4.335
58	Bromodichloromethane	83	12.329	12.324	(1.093)	1563172	4.50763	4.508
60	Methyl Methacrylate	41	12.453	12.448	(1.104)	1011830	4.68968	4.690
59	1,4-dioxane	88	12.340	12.346	(1.094)	304214	3.94607	3.946

Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Report Date: 21-Feb-2013 12:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
61 ~ methyl cyclohexane	83	13.003	13.003	(1.153)	1355573	4.18451	4.184
63 cis-1,3-Dichloropropene	75	13.553	13.548	(1.202)	1207118	4.26230	4.262
62 4-Methyl-2-pentanone	43	13.483	13.483	(1.196)	1684167	4.37303	4.373
64 trans-1,3-Dichloropropene	75	14.459	14.459	(0.827)	1218163	4.24498	4.245
65 Toluene	91	14.637	14.637	(0.837)	2619612	3.98910	3.989
66 1,1,2-Trichloroethane	83	14.723	14.718	(0.842)	775499	4.22310	4.223
67 ~ 2-methyl thiophene	97	14.837	14.837	(0.848)	2340202	4.21306	4.213
68 ~ 3-methyl thiophene	97	15.117	15.112	(0.864)	2392528	4.20925	4.209
69 2-Hexanone	58	15.279	15.279	(0.874)	884059	4.42181	4.422
70 Octane	85	15.662	15.662	(0.895)	917039	4.24885	4.249
71 Dibromochloromethane	129	15.694	15.689	(0.897)	1628530	4.88975	4.890
72 1,2-Dibromoethane	107	16.104	16.104	(0.921)	1440482	4.42372	4.424
73 Tetrachloroethene	129	16.250	16.250	(0.929)	954301	4.10296	4.103
75 ~ 2,3-dimethylheptane	43	17.695	17.695	(1.012)	2426539	4.17094	4.171
74 Chlorobenzene	112	17.565	17.565	(1.004)	2119640	4.09122	4.091
76 Ethylbenzene	91	18.056	18.056	(1.032)	3312628	4.01690	4.017
77 ~ 2-ethyl thiophene	97	18.212	18.212	(1.041)	2635498	4.24619	4.246
78 m&p-Xylene	91	18.331	18.326	(1.048)	5294337	8.31638	8.316
79 Nonane	57	19.124	19.124	(1.093)	1857001	4.33746	4.337
80 Bromoform	173	18.989	18.989	(1.086)	1598530	5.34365	5.344
81 Styrene	104	19.086	19.086	(1.091)	2064428	4.56596	4.566
82 o-Xylene	91	19.188	19.183	(1.097)	2707068	4.12173	4.122
84 1,1,2,2-Tetrachloroethane	83	19.722	19.722	(1.128)	2025303	4.27174	4.272
85 1,2,3-Trichloropropane	110	19.986	19.987	(1.143)	609834	4.24024	4.240
86 Cumene	105	20.208	20.202	(1.155)	4127092	4.34930	4.349
87 n-Propylbenzene	120	21.167	21.162	(1.210)	1186463	4.36124	4.361
88 2-chlorotoluene	126	21.200	21.194	(1.212)	1044898	4.22596	4.226
89 4-Ethyltoluene	105	21.453	21.453	(1.227)	4205949	4.32675	4.327
90 1,3,5-Trimethylbenzene	120	21.604	21.604	(1.235)	1956577	4.26708	4.267
91 Alpha-Methylstyrene	118	22.036	22.036	(1.260)	1743522	4.84596	4.846
92 Decane	57	22.289	22.289	(1.274)	2435609	4.53270	4.533
93 tert-butylbenzene	119	22.413	22.408	(1.281)	3767770	4.36170	4.362
94 1,2,4-Trimethylbenzene	105	22.440	22.440	(1.283)	3488270	4.34826	4.348
95 sec-butylbenzene	105	22.968	22.969	(1.313)	5188002	4.38953	4.390
96 1,3-Dichlorobenzene	146	22.925	22.925	(1.311)	2328343	4.28400	4.284
97 Benzyl Chloride	91	23.098	23.098	(1.321)	3171722	4.65247	4.652
98 1,4-Dichlorobenzene	146	23.114	23.114	(1.322)	2356200	4.31320	4.313
99 p-Cymene	119	23.335	23.330	(1.334)	4436007	4.41790	4.418
100 ~ 1,2,3- Trimethylbenzene	105	23.394	23.395	(1.338)	3055752	4.24112	4.241
101 ~ n-butylcyclohexane	83	23.578	23.572	(1.348)	2829958	4.32284	4.323
102 ~ Indane	117	23.885	23.885	(1.366)	3374238	4.36293	4.363
103 1,2-Dichlorobenzene	146	23.864	23.864	(1.364)	2253004	4.30798	4.308
104 n-butylbenzene	91	24.279	24.279	(1.388)	4055539	4.32428	4.324
105 ~ Indene	116	24.160	24.160	(1.381)	3414535	4.68443	4.684
106 Undecane	57	25.169	25.169	(1.439)	2889470	4.60302	4.603
107 ~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.437)	4440605	4.43190	4.432
108 ~ 1,2,4,5-tetramethylbenzene	119	26.053	26.048	(1.490)	4603970	4.49287	4.493

Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	26.177	26.172	(1.497)	2834329	4.41316	4.413
110 ~ 1,2,3,4-tetramethylbenzene	119	27.050	27.045	(1.547)	3814315	4.54672	4.547
111 Dodecane	57	27.622	27.622	(1.579)	2677126	5.02114	5.021
112 1,2,4-Trichlorobenzene	180	27.724	27.725	(1.585)	1826184	4.01060	4.010
113 Napthalene	128	27.962	27.962	(1.599)	4223787	3.89404	3.894
114 ~ benzo(b) thiophene	134	28.150	28.151	(1.610)	3739175	4.81974	4.820
115 Hexachlorobutadiene	225	28.474	28.474	(1.628)	1773799	4.05999	4.060
116 1,2,3-trichlorobenzene	180	28.523	28.523	(1.631)	1740437	3.81825	3.818
117 ~ 2-Methylnaphthalene	142	29.979	29.979	(1.714)	4796178	44.3610	44.36(R)
118 ~ 1-Methylnaphthalene	142	30.297	30.291	(1.732)	4019585	42.4372	42.44(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Report Date: 21-Feb-2013 12:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: mxxx51aa.d
Lab Smp Id: MXXX51AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 060487
Method File: /chem/gcms/mr.i/R022013I.b/TO15.m
Misc Info: R022013I,TO15,

Calibration Date: 20-FEB-2013
Calibration Time: 21:01
Client Smp ID: IDOC 1 / 2nd source
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	469377	279279	659475	444415	-5.32
2 1,4-Difluorobenze	2304849	1371385	3238313	2155314	-6.49
3 Chlorobenzene-d5	1658847	987014	2330680	1582730	-4.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.00
2 1,4-Difluorobenze	11.28	10.95	11.61	11.28	0.00
3 Chlorobenzene-d5	17.49	17.16	17.82	17.49	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: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Report Date: 21-Feb-2013 12:09

TestAmerica Knoxville

RECOVERY REPORT

Client Name: TestAmerica Knoxvill23-JAN-2013 00:00 Client SDG: H3A230417
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: MXXX51AA Client Smp ID: IDOC 1 / 2nd source
Level: LOW Operator: 060487
Data Type: MS DATA SampleType: BLANK
SpikeList File: allnew.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /chem/gcms/mr.i/R022013I.b/TO15.m
Misc Info: R022013I,TO15,

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5 Chlorodifluorometh	4.000	3.876	96.90	60-140
6 Propene	4.000	4.161	104.02	60-140
7 Dichlorodifluorome	4.000	4.086	102.14	60-140
8 Chloromethane	4.000	4.054	101.34	60-140
9 1,2-Dichlorotetraf	4.000	4.040	101.01	60-140
10 Methanol	4.000	3.932	98.31	60-140
11 ~ acetaldehyde	20.00	20.04	100.19	70-130
12 Vinyl Chloride	4.000	4.105	102.63	70-130
13 n-Butane	4.000	3.888	97.21	60-140
14 1,3-Butadiene	4.000	3.939	98.48	60-140
15 Bromomethane	4.000	4.079	101.98	70-130
16 Chloroethane	4.000	4.137	103.43	70-130
17 ~ ethanol	20.00	17.07	85.35	70-130
18 Vinyl Bromide	4.000	3.874	96.84	60-140
19 2-methyl butane	4.000	4.028	100.71	70-130
20 Trichlorofluoromet	4.000	4.161	104.03	60-140
21 Acrolein	4.000	4.382	109.54	60-140
22 Acetonitrile	4.000	4.114	102.86	60-140
23 Acetone	4.000	3.849	96.22	60-140
25 Pentane	4.000	4.296	107.40	70-130
24 Isopropyl alcohol	4.000	3.843	96.08	60-140
26 Ethyl Ether	4.000	4.338	108.44	60-140
27 1,1-Dichloroethene	4.000	3.406	85.15	70-130
28 tert-butanol	4.000	3.961	99.03	60-140
29 Acrylonitrile	4.000	4.116	102.90	60-140
30 1,1,2-Trichlorotri	4.000	3.561	89.04	70-130
31 Methylene Chloride	4.000	3.550	88.74	70-130
32 3-Chloropropene	4.000	3.582	89.55	60-140
33 Carbon Disulfide	4.000	4.026	100.66	70-130
34 trans-1,2-Dichloro	4.000	3.984	99.60	70-130
35 ~ 2-Methyl Pentane	4.000	4.200	105.01	70-130
36 Methyl-t-Butyl Eth	4.000	4.130	103.25	60-140
37 1,1-Dichloroethane	4.000	3.880	97.00	70-130

Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Report Date: 21-Feb-2013 12:09

	SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
	38	Vinyl Acetate	4.000	4.180	104.51	60-140
	39	2-Butanone	4.000	3.892	97.30	60-140
	40	Hexane	4.000	4.066	101.65	70-130
	41	cis 1,2-Dichloroet	4.000	3.714	92.85	70-130
	42	Ethyl acetate	4.000	4.281	107.03	60-140
	43	Chloroform	4.000	3.902	97.55	70-130
	44	Tetrahydrofuran	4.000	4.090	102.25	60-140
	45	1,1,1-Trichloroeth	4.000	3.963	99.07	70-130
	46	1,2-Dichloroethane	4.000	3.952	98.80	70-130
	47	1-Butanol	4.000	4.333	108.33	60-140
	48	Benzene	4.000	3.892	97.30	70-130
	49	Cyclohexane	4.000	4.152	103.81	70-130
	50	Carbon Tetrachlori	4.000	4.598	114.96	70-130
	51	~ 2,3-dimethylpent	4.000	4.171	104.27	70-130
	52	~ Thiophene	4.000	4.161	104.02	70-130
	53	2,2,4-trimethylpen	4.000	4.177	104.43	70-130
	54	Heptane	4.000	4.172	104.31	70-130
	55	1,2-Dichloropropan	4.000	4.081	102.03	70-130
	56	Trichloroethene	4.000	4.058	101.46	70-130
	57	Dibromomethane	4.000	4.335	108.39	70-130
	58	Bromodichlorometha	4.000	4.508	112.69	70-130
	59	1,4-dioxane	4.000	3.946	98.65	60-140
	60	Methyl Methacrylat	4.000	4.690	117.24	60-140
	61	~ methyl cyclohexa	4.000	4.184	104.61	70-130
	62	4-Methyl-2-pentano	4.000	4.373	109.33	60-140
	63	cis-1,3-Dichloropr	4.000	4.262	106.56	70-130
	64	trans-1,3-Dichloro	4.000	4.245	106.12	70-130
	65	Toluene	4.000	3.989	99.73	70-130
	66	1,1,2-Trichloroeth	4.000	4.223	105.58	70-130
	67	~ 2-methyl thiophe	4.000	4.213	105.33	70-130
	68	~ 3-methyl thiophe	4.000	4.209	105.23	70-130
	69	2-Hexanone	4.000	4.422	110.55	60-140
	70	Octane	4.000	4.249	106.22	70-130
	71	Dibromochlorometha	4.000	4.890	122.24	70-130
	72	1,2-Dibromoethane	4.000	4.424	110.59	70-130
	73	Tetrachloroethene	4.000	4.103	102.57	70-130
	74	Chlorobenzene	4.000	4.091	102.28	70-130
	75	~ 2,3-dimethylhept	4.000	4.171	104.27	70-130
	76	Ethylbenzene	4.000	4.017	100.42	70-130
	77	~ 2-ethyl thiophen	4.000	4.246	106.15	70-130
	78	m&p-Xylene	8.000	8.316	103.95	70-130
M	83	Xylene (total)	12.00	12.44	103.65	70-130
	79	Nonane	4.000	4.337	108.44	60-140
	80	Bromoform	4.000	5.344	133.59	60-140
	81	Styrene	4.000	4.566	114.15	70-130
	82	o-Xylene	4.000	4.122	103.04	70-130
	84	1,1,2,2-Tetrachlor	4.000	4.272	106.79	70-130

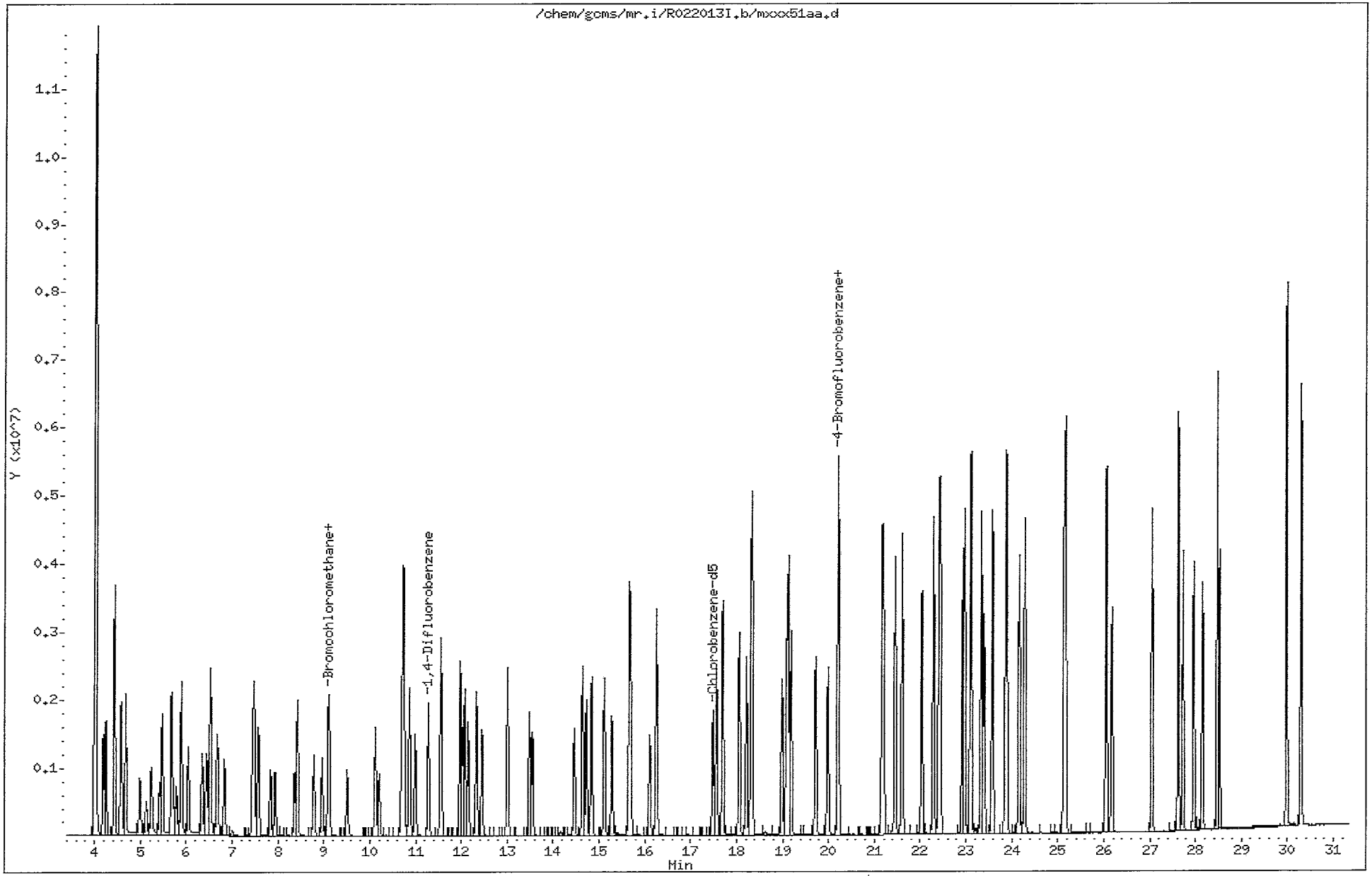
Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Report Date: 21-Feb-2013 12:09

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
85 1,2,3-Trichloropro	4.000	4.240	106.01	60-140
86 Cumene	4.000	4.349	108.73	70-130
87 n-Propylbenzene	4.000	4.361	109.03	70-130
88 2-chlorotoluene	4.000	4.226	105.65	70-130
89 4-Ethyltoluene	4.000	4.327	108.17	70-130
90 1,3,5-Trimethylben	4.000	4.267	106.68	70-130
91 Alpha-Methylstyren	4.000	4.846	121.15	60-140
92 Decane	4.000	4.533	113.32	60-140
93 tert-butylbenzene	4.000	4.362	109.04	70-130
94 1,2,4-Trimethylben	4.000	4.348	108.71	70-130
95 sec-butylbenzene	4.000	4.390	109.74	70-130
96 1,3-Dichlorobenzen	4.000	4.284	107.10	70-130
97 Benzyl Chloride	4.000	4.652	116.31	70-130
98 1,4-Dichlorobenzen	4.000	4.313	107.83	70-130
99 p-Cymene	4.000	4.418	110.45	70-130
100 ~ 1,2,3- Trimethyl	4.000	4.241	106.03	70-130
101 ~ n-butylcyclohexa	4.000	4.323	108.07	70-130
102 ~ Indane	4.000	4.363	109.07	70-130
103 1,2-Dichlorobenzen	4.000	4.308	107.70	70-130
104 n-butylbenzene	4.000	4.324	108.11	60-140
105 ~ Indene	4.000	4.684	117.11	70-130
106 Undecane	4.000	4.603	115.08	60-140
107 ~ 1,2-dimethyl-4-e	4.000	4.432	110.80	70-130
108 ~ 1,2,4,5-tetramet	4.000	4.493	112.32	70-130
109 ~ 1,2,3,5-tetramet	4.000	4.413	110.33	70-130
110 ~ 1,2,3,4-tetramet	4.000	4.547	113.67	70-130
111 Dodecane	4.000	5.021	125.53	60-140
112 1,2,4-Trichloroben	4.000	4.010	100.26	60-140
113 Napthalene	4.000	3.894	97.35	40-140
114 ~ benzo(b) thiophe	4.000	4.820	120.49	70-130
115 Hexachlorobutadien	4.000	4.060	101.50	60-140
116 1,2,3-trichloroben	4.000	3.818	95.46	40-140
117 ~ 2-Methylnaphthal	25.00	44.36	177.44*	70-130
118 ~ 1-Methylnaphthal	25.00	42.44	169.75*	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.182	104.54	70-130

Data File: /chem/gcms/mr.i/R022013I.b/mxxx51aa.d
Date : 21-FEB-2013 09:27
Client ID: IDOC 1 / 2nd source
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mr.i
Operator: 060487
Column diameter: 0.32



TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 13 & KNOX-MS-0023, Rev 0

Analysis Date:	2/28/13	CCAL Batch/ Scan Name:	R022813	Instrument:	MR	ICAL Batch/ Scan Name:	R022013E	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%?		✓	3/1/13 ✓	all > 20cc	✓
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 ≤ 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)tailing; 4)RT shift; 5)wrong peak selected; 6)other	MA
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				MA
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%, and no two consecutive MEs). 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	✓
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				MA
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.		✓			✓

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

Analyst:	Date: 2/28/13	2nd Level Reviewer :	Date: 3/1/13
Comments:		Comments:	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR 200ml 7M Inst: MR

Analyst: Hut Qtims Batch: 3060016 MX8QT 3060017 MX89X

Date: 2/28/13 ICAL Batch: R022013I Target Batch: R022813 IS #1 Area: 437348

Surr/IS ID & Vol.: 4DMC V462 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☐Daily _____

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0940	✓	Humid	RBFBB28	—	16	100	1	
1007	✓	CCV	CCV	CX2441	1	↓		
1007	✓	LCS	LCS	↓	1	↓		
1133	ok	B14	Blank	—	16	500		
1224	✓	↓	~~R022813~~ 2/28/13	—	↓	↓	↓	RBlkB28
1356/1330	ok	Blk	leak	—	16	200		
1433	✓	H3B280409	MX8ARIAA	62359N	1	938	4.69	btex
1522	✓		8AT	6605	2	200	1	
1610	✓		8AV	6683	3			
1659	✓		8AW	6599	4			
1852	✓		8AO	12303	5		2/28/13	
1941	dup		8AOD	↓	5	↓	↓	
1802	✓	leak ✓	leak2	—	16	↓	↓	
2208	✓	H3B280421	MX8D81AA	1530	1	500	1	mysdec
2301	✓		EA	1135	2			
2353	✓		ED	6655	3			
0046	✓		EH	04404	4			
0139	✓		EJM	6530	6			
0232	✓		EP	12181	7			
0324	✓		ET	92068	8			
0416	✓		EW	21665	9			
0508	✓		EO	12821	10			
0600	✓		E3	04337	11			
0653	✓		E5	6664	12			
0746	✓		E7	43A	13			
0834	✓		D9	1490	14	200		
0922	✓IS		EC	6373	15	20		amt ok
2028	✓	Lot ✓	10388	LA7212	5	200		
2116	✓	↓	10388B	SL1224	16	↓	↓	

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

Analyst: _____ Date: 3/1/13

Data File: /chem/gcms/mr.i/R022813.b/mbfbb28.d

Date : 28-FEB-2013 09:40

Client ID:

Instrument: mr.i

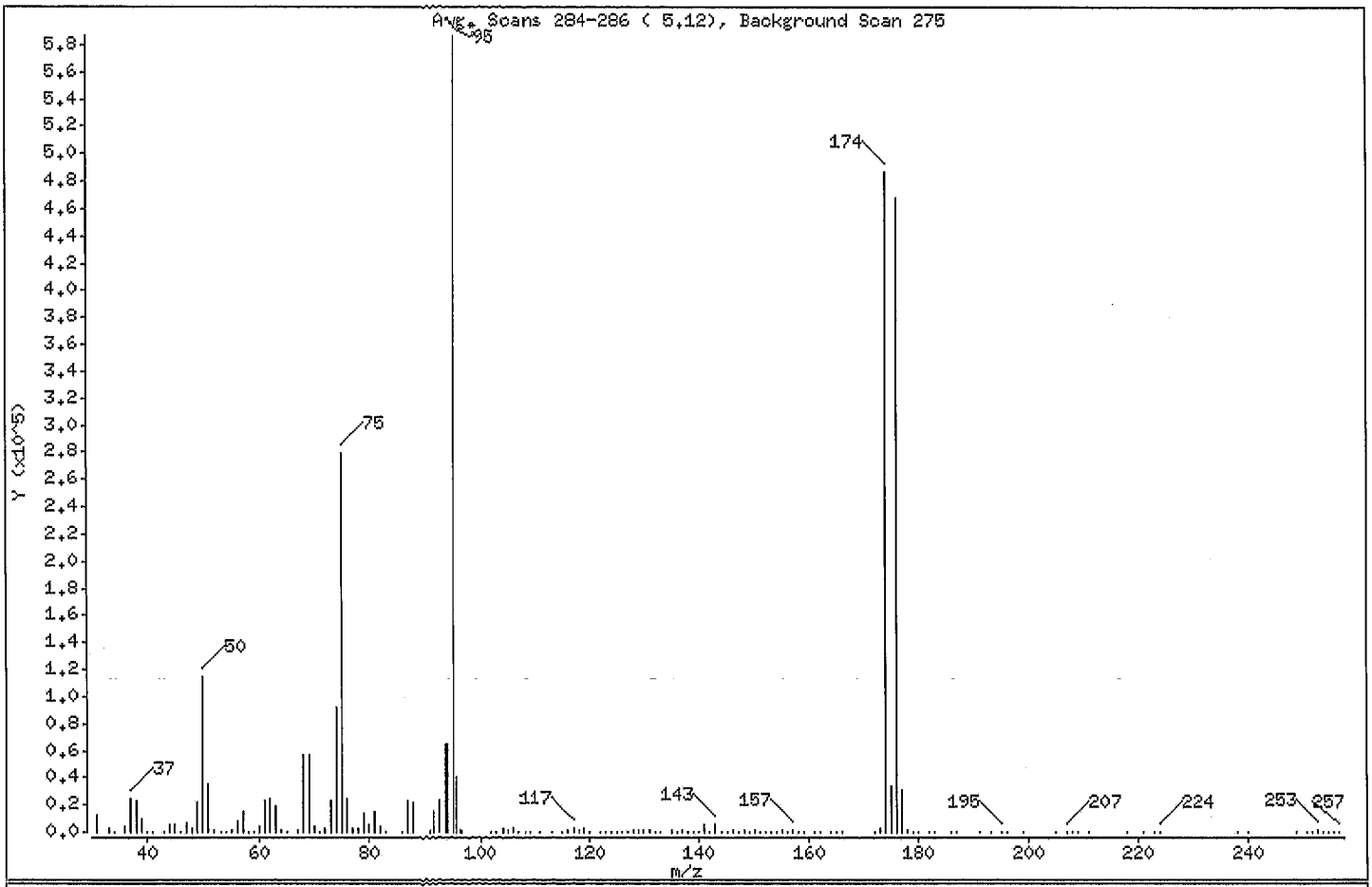
Sample Info: BFB,1,3

Operator: 7126

Column phase: RTX 624

Column diameter: 0.18

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	19.59
75	30.00 - 60.00% of mass 95	47.65
96	5.00 - 9.00% of mass 95	6.99
173	Less than 2.00% of mass 174	0.45 (0.54)
174	50.00 - 120.00% of mass 95	83.03
175	5.00 - 9.00% of mass 174	5.81 (7.00)
176	95.00 - 101.00% of mass 174	79.71 (96.01)
177	5.00 - 9.00% of mass 176	5.26 (6.59)



Data File: /ohem/goms/mr.i/R022813.b/rbfbb28.d

Date : 28-FEB-2013 09:40

Client ID:

Instrument: mr.i

Sample Info: BFB,1,3

Operator: 7126

Column phase: RTX 624

Column diameter: 0.18

Data File: rbfbb28.d

Spectrum: Avg. Scans 284-286 (5.12), Background Scan 275

Location of Maximum: 95.00

Number of points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	12736	74.00	91448	125.00	179	172.00	203
33.00	2330	75.00	279552	126.00	205	173.00	2612
34.00	39	76.00	23712	127.00	276	174.00	487104
36.00	4059	77.00	2265	128.00	1743	175.00	34096
37.00	24784	78.00	2236	129.00	974	176.00	467648
38.00	22344	79.00	13962	130.00	1957	177.00	30832
39.00	9086	80.00	5257	131.00	826	178.00	900
40.00	568	81.00	14686	132.00	74	179.00	36
41.00	41	82.00	4003	133.00	30	180.00	24
43.00	215	83.00	178	135.00	1163	182.00	33
44.00	5501	86.00	553	136.00	96	183.00	38
45.00	5044	87.00	22808	137.00	836	186.00	37
46.00	414	88.00	22008	138.00	35	187.00	69
47.00	7217	91.00	1837	139.00	190	191.00	157
48.00	2936	92.00	14889	140.00	299	193.00	21
49.00	21848	93.00	22416	141.00	4979	195.00	218
50.00	114936	94.00	64760	142.00	630	196.00	7
51.00	34944	95.00	586688	143.00	5294	199.00	34
52.00	1521	96.00	40992	144.00	374	205.00	27
53.00	108	97.00	900	145.00	379	207.00	285
54.00	67	102.00	117	146.00	772	208.00	120
55.00	1292	103.00	360	147.00	258	209.00	17
56.00	7981	104.00	2299	148.00	1230	211.00	44
57.00	14753	105.00	1128	149.00	460	218.00	83
58.00	588	106.00	2150	150.00	789	221.00	82
59.00	144	107.00	538	151.00	43	223.00	21
60.00	4154	108.00	40	152.00	152	224.00	161
61.00	23408	109.00	40	153.00	510	238.00	51
62.00	24144	111.00	321	154.00	357	240.00	18
63.00	18248	113.00	484	155.00	1318	249.00	65
64.00	1625	115.00	439	156.00	457	251.00	110
65.00	112	116.00	1755	157.00	1426	252.00	128
67.00	1230	117.00	3150	158.00	49	253.00	942
68.00	56512	118.00	1858	159.00	604	254.00	376
69.00	56536	119.00	2595	161.00	453	255.00	235

Data File: /chem/gcms/mr.i/R022813.b/rbfbb28.d

Date : 28-FEB-2013 09:40

Client ID:

Instrument: mr.i

Sample Info: BFB,1,3

Operator: 7126

Column phase: RTX 624

Column diameter: 0.18

Data File: rbfbb28.d

Spectrum: Avg. Scans 284-286 (5.12), Background Scan 275

Location of Maximum: 95.00

Number of points: 154

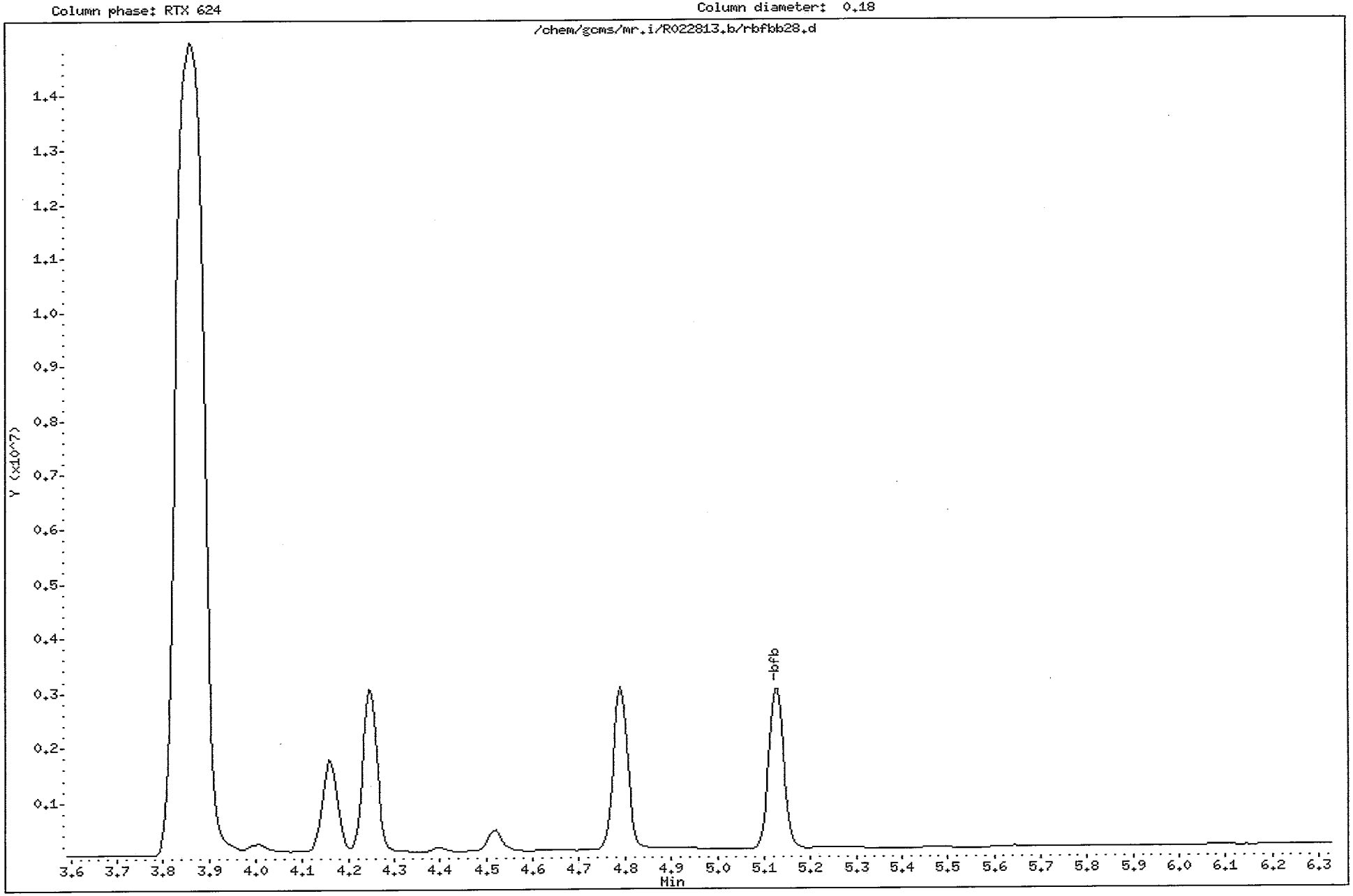
m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	4631	120.00	292	162.00	36	256.00	103
71.00	265	122.00	162	164.00	49	257.00	95
72.00	2640	123.00	250	165.00	174		
73.00	22928	124.00	334	166.00	123		

Data File: /chem/gcms/mr.i/R022813.b/rbfbb28.d
Date : 28-FEB-2013 09:40
Client ID:
Sample Info: BFB,1,3

Instrument: mr.i

Operator: 7126
Column diameter: 0.18

Column phase: RTX 624



Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mr.i
Lab File ID: rccvb28.d
Analysis Type: AIR
Lab Sample ID: RCCVB22
Method: /chem/gcms/mr.i/R022813.b/TO15.m

Injection Date: 28-FEB-2013 10:07
Init. Cal. Date(s): 20-FEB-2013 20-FEB-2013
Init. Cal. Times: 17:04 23:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 4-Bromofluorobenzene	0.70031	0.72405	0.000	-3.38971	30.00000	Averaged
M 83 Xylene (total)	1.62589	1.59226	0.000	2.06868	30.00000	Averaged
5 Chlorodifluoromethane	0.40861	0.41664	0.000	-1.96299	30.00000	Averaged
6 Propene	1.21594	1.40084	0.000	-15.20597	30.00000	Averaged
7 Dichlorodifluoromethane	4.16818	4.48887	0.000	-7.69375	30.00000	Averaged
8 Chloromethane	0.50950	0.54805	0.000	-7.56615	30.00000	Averaged
9 1,2-Dichlorotetrafluoroetha	3.32193	3.49023	0.000	-5.06632	30.00000	Averaged
10 Methanol	0.37115	0.40803	0.000	-9.93620	30.00000	Averaged
11 ~ acetaldehyde	0.59925	0.65399	0.000	-9.13422	50.00000	Averaged
12 Vinyl Chloride	1.75322	1.90453	0.000	-8.63034	30.00000	Averaged
13 n-Butane	2.59004	2.73589	0.000	-5.63103	30.00000	Averaged
14 1,3-Butadiene	1.37716	1.44038	0.000	-4.59090	30.00000	Averaged
15 Bromomethane	1.62801	1.71074	0.000	-5.08145	30.00000	Averaged
16 Chloroethane	0.88536	0.94391	0.000	-6.61405	30.00000	Averaged
17 ~ ethanol	0.54860	0.50967	0.000	7.09556	50.00000	Averaged
18 Vinyl Bromide	1.63857	1.60139	0.000	2.26886	30.00000	Averaged
19 2-methyl butane	1.96805	2.12688	0.000	-8.07039	30.00000	Averaged
20 Trichlorofluoromethane	4.04968	4.28504	0.000	-5.81173	30.00000	Averaged
21 Acrolein	0.59891	0.68301	0.000	-14.04150	30.00000	Averaged
22 Acetonitrile	0.60999	0.69531	0.000	-13.98751	30.00000	Averaged
25 Pentane	0.32255	0.35421	0.000	-9.81375	30.00000	Averaged
23 Acetone	0.82088	0.84336	0.000	-2.73818	30.00000	Averaged
24 Isopropyl alcohol	2.29164	2.37653	0.000	-3.70408	30.00000	Averaged
26 Ethyl Ether	1.70260	2.04702	0.000	-20.22926	30.00000	Averaged
27 1,1-Dichloroethene	1.60519	1.40079	0.000	12.73368	30.00000	Averaged
29 Acrylonitrile	1.24170	1.34720	0.000	-8.49600	30.00000	Averaged
30 1,1,2-Trichlorotrifluoroeth	3.33743	3.00698	0.000	9.90134	30.00000	Averaged
28 tert-butanol	2.74079	2.82673	0.000	-3.13577	30.00000	Averaged
31 Methylene Chloride	1.44122	1.33039	0.000	7.69018	30.00000	Averaged
32 3-Chloropropene	1.13544	1.08422	0.000	4.51124	30.00000	Averaged
33 Carbon Disulfide	4.60227	4.75844	0.000	-3.39341	30.00000	Averaged
35 ~ 2-Methyl Pentane	3.58058	4.04997	0.000	-13.10949	50.00000	Averaged
34 trans-1,2-Dichloroethene	1.65884	1.67385	0.000	-0.90497	30.00000	Averaged
36 Methyl-t-Butyl Ether	4.24047	4.48912	0.000	-5.86375	30.00000	Averaged
37 1,1-Dichloroethane	2.87721	2.93368	0.000	-1.96289	30.00000	Averaged

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mr.i
Lab File ID: rccvb28.d
Analysis Type: AIR
Lab Sample ID: RCCVB22
Method: /chem/gcms/mr.i/R022813.b/TO15.m

Injection Date: 28-FEB-2013 10:07
Init. Cal. Date(s): 20-FEB-2013 20-FEB-2013
Init. Cal. Times: 17:04 23:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 Vinyl Acetate	3.82794	4.28371	0.000	-11.90664	30.00000	Averaged
39 2-Butanone	0.80311	0.79453	0.000	1.06785	30.00000	Averaged
40 Hexane	1.37436	1.47121	0.000	-7.04732	30.00000	Averaged
41 cis 1,2-Dichloroethene	1.68161	1.59766	0.000	4.99204	30.00000	Averaged
42 Ethyl acetate	3.38983	3.88875	0.000	-14.71810	30.00000	Averaged
43 Chloroform	3.20644	3.23086	0.000	-0.76165	30.00000	Averaged
44 Tetrahydrofuran	1.80845	1.98046	0.000	-9.51104	30.00000	Averaged
45 1,1,1-Trichloroethane	3.11792	3.16797	0.000	-1.60528	30.00000	Averaged
46 1,2-Dichloroethane	0.43797	0.44116	0.000	-0.72905	30.00000	Averaged
49 Cyclohexane	0.15703	0.16275	0.000	-3.63785	30.00000	Averaged
48 Benzene	1.01249	0.97736	0.000	3.46969	30.00000	Averaged
50 Carbon Tetrachloride	0.52304	0.54563	0.000	-4.31873	30.00000	Averaged
51 ~ 2,3-dimethylpentane	0.21317	0.22447	0.000	-5.29898	50.00000	Averaged
47 1-Butanol	0.09854	0.10897	0.000	-10.58154	30.00000	Averaged
52 ~ Thiophene	0.59138	0.60472	0.000	-2.25520	50.00000	Averaged
53 2,2,4-trimethylpentane	1.64003	1.74927	0.000	-6.66123	30.00000	Averaged
54 Heptane	0.35529	0.36877	0.000	-3.79527	30.00000	Averaged
55 1,2-Dichloropropane	0.37120	0.38090	0.000	-2.61298	30.00000	Averaged
56 Trichloroethene	0.45039	0.43411	0.000	3.61532	30.00000	Averaged
180 ~ 2-nitropropane	++++	0.65924	0.000	++++	30.00000	Averaged <-MA
57 Dibromomethane	0.36272	0.38425	0.000	-5.93593	30.00000	Averaged
58 Bromodichloromethane	0.64359	0.69666	0.000	-8.24675	30.00000	Averaged
60 Methyl Methacrylate	0.40042	0.47294	0.000	-18.11046	30.00000	Averaged
59 1,4-dioxane	0.14308	0.13792	0.000	3.60423	30.00000	Averaged
61 ~ methyl cyclohexane	0.60121	0.62013	0.000	-3.14670	50.00000	Averaged
63 cis-1,3-Dichloropropene	0.52560	0.54568	0.000	-3.82057	30.00000	Averaged
62 4-Methyl-2-pentanone	0.71475	0.80091	0.000	-12.05477	30.00000	Averaged
64 trans-1,3-Dichloropropene	0.72524	0.72559	0.000	-0.04855	30.00000	Averaged
65 Toluene	1.65964	1.56870	0.000	5.47953	30.00000	Averaged
66 1,1,2-Trichloroethane	0.46409	0.46691	0.000	-0.60683	30.00000	Averaged
67 ~ 2-methyl thiophene	1.40381	1.39006	0.000	0.97930	50.00000	Averaged
68 ~ 3-methyl thiophene	1.43650	1.41638	0.000	1.40095	50.00000	Averaged
69 2-Hexanone	0.50528	0.53335	0.000	-5.55434	30.00000	Averaged
70 Octane	0.54547	0.54161	0.000	0.70645	30.00000	Averaged
71 Dibromochloromethane	0.84171	0.88982	0.000	-5.71551	30.00000	Averaged

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mr.i
Lab File ID: rccvb28.d
Analysis Type: AIR
Lab Sample ID: RCCVB22
Method: /chem/gcms/mr.i/R022813.b/TO15.m

Injection Date: 28-FEB-2013 10:07
Init. Cal. Date(s): 20-FEB-2013 20-FEB-2013
Init. Cal. Times: 17:04 23:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
72 1,2-Dibromoethane	0.82295	0.83096	0.000	-0.97312	30.00000	Averaged
73 Tetrachloroethene	0.58782	0.55080	0.000	6.29717	30.00000	Averaged
75 ~ 2,3-dimethylheptane	1.47030	1.58788	0.000	-7.99686	50.00000	Averaged
74 Chlorobenzene	1.30937	1.25509	0.000	4.14545	30.00000	Averaged
76 Ethylbenzene	2.08418	2.00333	0.000	3.87888	30.00000	Averaged
77 ~ 2-ethyl thiophene	1.56861	1.56990	0.000	-0.08177	50.00000	Averaged
78 m&p-Xylene	1.60891	1.57615	0.000	2.03565	30.00000	Averaged
79 Nonane	1.08201	1.15400	0.000	-6.65378	30.00000	Averaged
80 Bromoform	0.75603	0.83185	0.000	-10.02909	30.00000	Averaged
81 Styrene	1.14267	1.17222	0.000	-2.58625	30.00000	Averaged
82 o-Xylene	1.65987	1.62447	0.000	2.13266	30.00000	Averaged
84 1,1,2,2-Tetrachloroethane	1.19823	1.21064	0.000	-1.03581	30.00000	Averaged
85 1,2,3-Trichloropropane	0.36347	0.35679	0.000	1.83911	30.00000	Averaged
86 Cumene	2.39816	2.41699	0.000	-0.78528	30.00000	Averaged
87 n-Propylbenzene	0.68754	0.67234	0.000	2.21087	30.00000	Averaged
88 2-chlorotoluene	0.62489	0.59347	0.000	5.02812	30.00000	Averaged
89 4-Ethyltoluene	2.45672	2.41759	0.000	1.59262	30.00000	Averaged
90 1,3,5-Trimethylbenzene	1.15883	1.10458	0.000	4.68167	30.00000	Averaged
91 Alpha-Methylstyrene	0.90929	0.91997	0.000	-1.17451	30.00000	Averaged
92 Decane	1.35801	1.47340	0.000	-8.49680	30.00000	Averaged
93 tert-butylbenzene	2.18314	2.10737	0.000	3.47066	30.00000	Averaged
94 1,2,4-Trimethylbenzene	2.02744	1.97583	0.000	2.54550	30.00000	Averaged
95 sec-butylbenzene	2.98700	2.96306	0.000	0.80172	30.00000	Averaged
96 1,3-Dichlorobenzene	1.37357	1.28121	0.000	6.72428	30.00000	Averaged
97 Benzyl Chloride	1.72292	1.78625	0.000	-3.67591	30.00000	Averaged
98 1,4-Dichlorobenzene	1.38059	1.28841	0.000	6.67676	30.00000	Averaged
99 p-Cymene	2.53763	2.46918	0.000	2.69747	30.00000	Averaged
100 ~ 1,2,3- Trimethylbenzene	1.82092	1.74162	0.000	4.35521	50.00000	Averaged
101 ~ n-butylcyclohexane	1.65449	1.64588	0.000	0.52024	50.00000	Averaged
102 ~ Indane	1.95457	1.88553	0.000	3.53229	50.00000	Averaged
103 1,2-Dichlorobenzene	1.32173	1.23894	0.000	6.26390	30.00000	Averaged
104 n-butylbenzene	2.37021	2.34061	0.000	1.24900	30.00000	Averaged
105 ~ Indene	1.84216	1.85298	0.000	-0.58712	50.00000	Averaged
106 Undecane	1.58646	1.69341	0.000	-6.74142	30.00000	Averaged
107 ~ 1,2-dimethyl-4-ethylenzen	2.53224	2.44703	0.000	3.36505	50.00000	Averaged
108 ~ 1,2,4,5-tetramethylbenzen	2.58977	2.53714	0.000	2.03229	50.00000	Averaged

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mr.i
Lab File ID: rccvb28.d
Analysis Type: AIR
Lab Sample ID: RCCVB22
Method: /chem/gcms/mr.i/R022813.b/TO15.m

Injection Date: 28-FEB-2013 10:07
Init. Cal. Date(s): 20-FEB-2013 20-FEB-2013
Init. Cal. Times: 17:04 23:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
109 ~ 1,2,3,5-tetramethylbenzen	1.62313	1.57235	0.000	3.12867	50.00000	Averaged
110 ~ 1,2,3,4-tetramethylbenzen	2.12017	2.09436	0.000	1.21749	50.00000	Averaged
111 Dodecane	1.34747	1.51470	0.000	-12.41049	30.00000	Averaged
112 1,2,4-Trichlorobenzene	1.15077	0.96080	0.000	16.50815	30.00000	Averaged
113 Napthalene	2.74129	2.29482	0.000	16.28696	30.00000	Averaged
114 ~ benzo(b) thiophene	1.96067	2.00826	0.000	-2.42714	50.00000	Averaged
115 Hexachlorobutadiene	1.10416	0.89948	0.000	18.53762	30.00000	Averaged
116 1,2,3-trichlorobenzene	1.15198	0.91806	0.000	20.30606	30.00000	Averaged
117 ~ 2-Methylnaphthalene	0.27324	0.38245	0.000	-39.96844	50.00000	Averaged
118 ~ 1-Methylnaphthalene	0.23938	0.33026	0.000	-37.96645	50.00000	Averaged

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Lab Smp Id: RCCVB22 Client Smp ID: STD2
Inj Date : 28-FEB-2013 10:07
Operator : 7126 Inst ID: mr.i
Smp Info : RCCVB22,,2, 6,,STD2
Misc Info : R022813,TO15,
Comment :
Method : /chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 28-Feb-2013 11:40 tajh Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.088	9.088	(1.000)	437348	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	2178721	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.495	17.495	(1.000)	1632809	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.224	20.224	(1.156)	1182238	4.00000	4.136
M	83 Xylene (total)	100				3899781	6.00000	5.876
	5 Chlorodifluoromethane	67	4.181	4.181	(0.460)	91107	2.00000	2.039
	6 Propene	41	4.192	4.192	(0.461)	306327	2.00000	2.304
	7 Dichlorodifluoromethane	85	4.241	4.241	(0.467)	981601	2.00000	2.154
	8 Chloromethane	52	4.419	4.419	(0.486)	119845	2.00000	2.151
	9 1,2-Dichlorotetrafluoroethane	135	4.429	4.429	(0.487)	763224	2.00000	2.101
	10 Methanol	31	4.564	4.564	(0.502)	89225	2.00000	2.199
	11 ~ acetaldehyde	44	4.570	4.570	(0.503)	715056	10.0000	10.91
	12 Vinyl Chloride	62	4.586	4.586	(0.505)	416472	2.00000	2.173
	13 n-Butane	43	4.677	4.677	(0.515)	598268	2.00000	2.113
	14 1,3-Butadiene	54	4.672	4.672	(0.514)	314974	2.00000	2.092

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
15 Bromomethane	94	4.985	4.985	(0.548)	374094	2.00000	2.102
16 Chloroethane	64	5.120	5.120	(0.563)	206409	2.00000	2.132
17 ~ ethanol	31	5.222	5.222	(0.575)	557258	10.0000	9.290
18 Vinyl Bromide	106	5.411	5.411	(0.595)	350183	2.00000	1.955
19 2-methyl butane	43	5.470	5.470	(0.602)	465093	2.00000	2.161
20 Trichlorofluoromethane	101	5.675	5.675	(0.624)	937027	2.00000	2.116
21 Acrolein	56	5.670	5.670	(0.624)	149356	2.00000	2.281
22 Acetonitrile	40	5.724	5.724	(0.630)	152045	2.00000	2.280
25 Pentane	72	5.891	5.891	(0.648)	77456	2.00000	2.196
23 Acetone	58	5.777	5.777	(0.636)	184421	2.00000	2.055
24 Isopropyl alcohol	45	5.875	5.875	(0.646)	519685	2.00000	2.074
26 Ethyl Ether	31	6.036	6.036	(0.664)	447630	2.00000	2.404
27 1,1-Dichloroethene	96	6.338	6.338	(0.697)	306316	2.00000	1.745
29 Acrylonitrile	53	6.414	6.414	(0.706)	294597	2.00000	2.170
30 1,1,2-Trichlorotrifluoroethane	101	6.516	6.516	(0.717)	657548	2.00000	1.802
28 tert-butanol	59	6.435	6.435	(0.708)	618133	2.00000	2.063
31 Methylene Chloride	84	6.656	6.656	(0.732)	290921	2.00000	1.846
32 3-Chloropropene	39	6.678	6.678	(0.735)	237091	2.00000	1.910
33 Carbon Disulfide	76	6.824	6.824	(0.751)	1040548	2.00000	2.068
35 ~ 2-Methyl Pentane	43	7.471	7.471	(0.822)	885625	2.00000	2.262
34 trans-1,2-Dichloroethene	96	7.438	7.438	(0.818)	366028	2.00000	2.018
36 Methyl-t-Butyl Ether	73	7.562	7.562	(0.832)	981655	2.00000	2.117
37 1,1-Dichloroethane	63	7.827	7.827	(0.861)	641521	2.00000	2.039
38 Vinyl Acetate	43	7.929	7.929	(0.872)	936738	2.00000	2.238
39 2-Butanone	72	8.344	8.344	(0.918)	173743	2.00000	1.979
40 Hexane	56	8.414	8.414	(0.926)	321716	2.00000	2.141
41 cis 1,2-Dichloroethene	96	8.770	8.770	(0.965)	349368	2.00000	1.900
42 Ethyl acetate	43	8.948	8.948	(0.985)	850368	2.00000	2.294
43 Chloroform	83	9.105	9.105	(1.002)	706506	2.00000	2.015
44 Tetrahydrofuran	42	9.498	9.498	(1.045)	433075	2.00000	2.190
45 1,1,1-Trichloroethane	97	10.113	10.113	(1.113)	692753	2.00000	2.032
46 1,2-Dichloroethane	62	10.194	10.194	(0.904)	480586	2.00000	2.014
49 Cyclohexane	69	10.722	10.722	(0.951)	177290	2.00000	2.073
48 Benzene	78	10.706	10.706	(0.950)	1064697	2.00000	1.931
50 Carbon Tetrachloride	117	10.738	10.738	(0.953)	594386	2.00000	2.086
51 ~ 2,3-dimethylpentane	71	10.857	10.857	(0.963)	244528	2.00000	2.106
47 1-Butanol	31	10.674	10.674	(0.947)	118707	2.00000	2.212
52 ~ Thiophene	84	10.981	10.981	(0.974)	658760	2.00000	2.045
53 2,2,4-trimethylpentane	57	11.547	11.547	(1.024)	1905588	2.00000	2.133
54 Heptane	71	11.968	11.968	(1.062)	401726	2.00000	2.076
55 1,2-Dichloropropane	63	12.011	12.011	(1.066)	414937	2.00000	2.052
56 Trichloroethene	130	12.070	12.070	(1.071)	472899	2.00000	1.928
180 ~ 2-nitropropane	43	11.968	11.968	(1.062)	718153	2.00000	
57 Dibromomethane	93	12.140	12.140	(1.077)	418589	2.00000	2.119
58 Bromodichloromethane	83	12.318	12.318	(1.093)	758916	2.00000	2.165
60 Methyl Methacrylate	41	12.442	12.442	(1.104)	515197	2.00000	2.362
59 1,4-dioxane	88	12.335	12.335	(1.094)	150242	2.00000	1.928

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

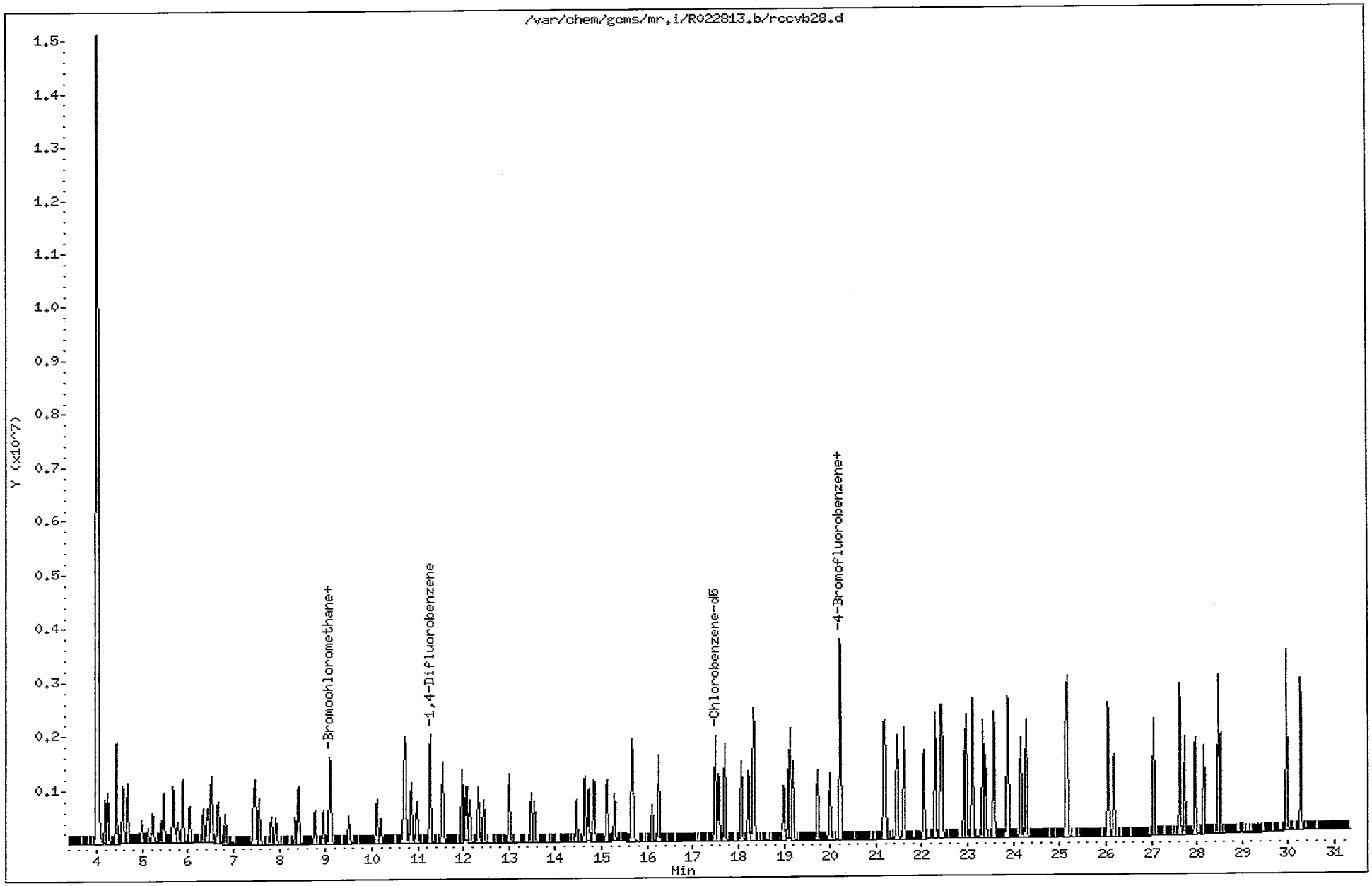
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
61 ~ methyl cyclohexane	83	12.998	12.998	(1.153)	675546	2.00000	2.063
63 cis-1,3-Dichloropropene	75	13.543	13.543	(1.201)	594443	2.00000	2.076
62 4-Methyl-2-pentanone	43	13.478	13.478	(1.196)	872477	2.00000	2.241
64 trans-1,3-Dichloropropene	75	14.454	14.454	(0.826)	592379	2.00000	2.001
65 Toluene	91	14.632	14.632	(0.836)	1280697	2.00000	1.890
66 1,1,2-Trichloroethane	83	14.713	14.713	(0.841)	381184	2.00000	2.012
67 ~ 2-methyl thiophene	97	14.831	14.831	(0.848)	1134853	2.00000	1.980
68 ~ 3-methyl thiophene	97	15.112	15.112	(0.864)	1156335	2.00000	1.972
69 2-Hexanone	58	15.273	15.273	(0.873)	435427	2.00000	2.111
70 Octane	85	15.656	15.656	(0.895)	442176	2.00000	1.986
71 Dibromochloromethane	129	15.689	15.689	(0.897)	726450	2.00000	2.114
72 1,2-Dibromoethane	107	16.098	16.098	(0.920)	678398	2.00000	2.019
73 Tetrachloroethene	129	16.244	16.244	(0.928)	449675	2.00000	1.874
75 ~ 2,3-dimethylheptane	43	17.705	17.705	(1.012)	1296351	2.00000	2.160
74 Chlorobenzene	112	17.571	17.571	(1.004)	1024661	2.00000	1.917
76 Ethylbenzene	91	18.067	18.067	(1.033)	1635531	2.00000	1.922
77 ~ 2-ethyl thiophene	97	18.223	18.223	(1.042)	1281671	2.00000	2.002
78 m&p-Xylene	91	18.336	18.336	(1.048)	2573559	4.00000	3.918
79 Nonane	57	19.129	19.129	(1.093)	942130	2.00000	2.133
80 Bromoform	173	18.994	18.994	(1.086)	679124	2.00000	2.200
81 Styrene	104	19.091	19.091	(1.091)	957007	2.00000	2.052
82 o-Xylene	91	19.194	19.194	(1.097)	1326222	2.00000	1.957
84 1,1,2,2-Tetrachloroethane	83	19.728	19.728	(1.128)	988370	2.00000	2.021
85 1,2,3-Trichloropropane	110	19.992	19.992	(1.143)	291285	2.00000	1.963
86 Cumene	105	20.207	20.207	(1.155)	1973244	2.00000	2.016
87 n-Propylbenzene	120	21.167	21.167	(1.210)	548900	2.00000	1.956
88 2-chlorotoluene	126	21.200	21.200	(1.212)	484508	2.00000	1.899
89 4-Ethyltoluene	105	21.453	21.453	(1.226)	1973732	2.00000	1.968
90 1,3,5-Trimethylbenzene	120	21.609	21.609	(1.235)	901781	2.00000	1.906
91 Alpha-Methylstyrene	118	22.035	22.035	(1.260)	751064	2.00000	2.023
92 Decane	57	22.294	22.294	(1.274)	1202891	2.00000	2.170
93 tert-butylbenzene	119	22.413	22.413	(1.281)	1720466	2.00000	1.930
94 1,2,4-Trimethylbenzene	105	22.445	22.445	(1.283)	1613076	2.00000	1.949
95 sec-butylbenzene	105	22.968	22.968	(1.313)	2419052	2.00000	1.984
96 1,3-Dichlorobenzene	146	22.931	22.931	(1.311)	1045983	2.00000	1.866
97 Benzyl Chloride	91	23.098	23.098	(1.320)	1458302	2.00000	2.074
98 1,4-Dichlorobenzene	146	23.114	23.114	(1.321)	1051866	2.00000	1.866
99 p-Cymene	119	23.330	23.330	(1.333)	2015852	2.00000	1.946
100 ~ 1,2,3- Trimethylbenzene	105	23.394	23.394	(1.337)	1421863	2.00000	1.913
101 ~ n-butylcyclohexane	83	23.572	23.572	(1.347)	1343706	2.00000	1.990
102 ~ Indane	117	23.885	23.885	(1.365)	1539352	2.00000	1.929
103 1,2-Dichlorobenzene	146	23.858	23.858	(1.364)	1011472	2.00000	1.875
104 n-butylbenzene	91	24.279	24.279	(1.388)	1910885	2.00000	1.975
105 ~ Indene	116	24.155	24.155	(1.381)	1512781	2.00000	2.012
106 Undecane	57	25.168	25.168	(1.439)	1382505	2.00000	2.135
107 ~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.437)	1997769	2.00000	1.933
108 ~ 1,2,4,5-tetramethylbenzene	119	26.047	26.047	(1.489)	2071335	2.00000	1.959

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Report Date: 28-Feb-2013 11:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	26.171	26.171	(1.496)	1283674	2.00000	1.937
110 ~ 1,2,3,4-tetramethylbenzene	119	27.045	27.045	(1.546)	1709844	2.00000	1.976
111 Dodecane	57	27.617	27.617	(1.579)	1236607	2.00000	2.248
112 1,2,4-Trichlorobenzene	180	27.724	27.724	(1.585)	784401	2.00000	1.670
113 Napthalene	128	27.956	27.956	(1.598)	1873498	2.00000	1.674
114 ~ benzo(b) thiophene	134	28.150	28.150	(1.609)	1639553	2.00000	2.048
115 Hexachlorobutadiene	225	28.469	28.469	(1.627)	734336	2.00000	1.629
116 1,2,3-trichlorobenzene	180	28.517	28.517	(1.630)	749510	2.00000	1.594
117 ~ 2-Methylnaphthalene	142	29.962	29.962	(1.713)	1951473	12.5000	17.50
118 ~ 1-Methylnaphthalene	142	30.270	30.270	(1.730)	1685180	12.5000	17.24

Data File: /var/chem/gcms/mr.i/R022813.b/rccvb28.d
Date : 28-FEB-2013 10:07
Client ID: STD2
Sample Info: RCCVB22,,2, 6,,STD2
Purge Volume: 500.0
Column phase: Rtx-5

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



TestAmerica Knoxville GC/MS Air Initial Calibration Data Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 13 & KNOX-MS-0023, Rev 0

Analysis Date:	2/12/13	Instrument::	MG	ICAL Batch/Scan Name:	602121I	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? Note: Ohio does not allow Quad		✓			✓
10. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%)		✓		acrolein 31%	✓
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 ± 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)tailing; 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)		✓			✓
25. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?		✓		70-130 ✓	✓
26. Does the ICAL folder contain complete data in the following order: Data review checklist, a complete runlog, BFB info, ICAL summary, curves, followed by [Quan reports, chromatograms, manual integrations], in increasing amount order, 2nd source info.		✓			✓

Analyst:	Date: 2/13/13	2nd Level Reviewer :	Date: 02/13/13
Comments:		Comments:	
Not valid 1+2 methyl naphthalene. IVI 5 too low.			

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: HLL Qtims Batch: KBL

Date: 2/12/13 ICAL Batch: G021213I Target Batch: G021213I IS #1 Area: 396373

Surr/IS ID & Vol.: 40HCV462 System Date/Time ok (y/n): Y

Preventive Maintenance Performed ~~Daily~~

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1022	✓	tune	GBFBB12	–	16	100	1	
1051	✓	MDL ✓	MDL	CX2451	1	50		
1142	✓	ICAL 1	G1CB121		1	100		
1233	✓	2	2		1	200		
1323	✓	3	3	CX2450	2			
1413	✓	4	4	CX2449	3			
1503	✓	5	5	CX2448	4			
1554	✓	6	6	CX2447	5			
1644	✓	7	7	CX2446	6			
1734	✓	8	8	CX2445	7			
1825	✓	9	9	CX2444	8			
1915	OK	blk	blk1 ~~Blank~~	–	16	200		2/13/13
2006	✓	ICV	G1CVB12	CX2441	9	100		
2056	✓	LCS	LCS			200		
2147	OK	Blk	blk2	–	16	500		
2237	✓		GBlk B12	–		500		
~~0018~~ 2327	✓	H3B120405	MX4MCLAM	1324N	11	40		16112.88
0108 0018	elevr			11200	12	10	10	5.11
~~0158~~ 0108	OK	blk	blk3	–	16	100	1	
0158	OK		blk4	–			1	

2/13/13

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

Analyst: HLL Date: 2/13/13

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	100	2/12/2013	10:22
1	50	2/12/2013	10:51
1	100	2/12/2013	11:42
1	200	2/12/2013	12:33
2	201	2/12/2013	13:23
3	201	2/12/2013	14:13
4	201	2/12/2013	15:03
5	201	2/12/2013	15:54
6	201	2/12/2013	16:44
7	201	2/12/2013	17:34
8	201	2/12/2013	18:25
16	200	2/12/2013	19:15
9	100	2/12/2013	20:06
9	200	2/12/2013	20:56
16	502	2/12/2013	21:47
16	501	2/12/2013	22:37
11	40	2/12/2013	23:27
12	10	2/13/2013	0:18
16	100	2/13/2013	1:08
16	100	2/13/2013	1:58

Data File: /chem/gcms/mg.i/G021213I.b/gbfbb12.d

Date : 12-FEB-2013 10:22

Client ID: BFB

Instrument: mg.i

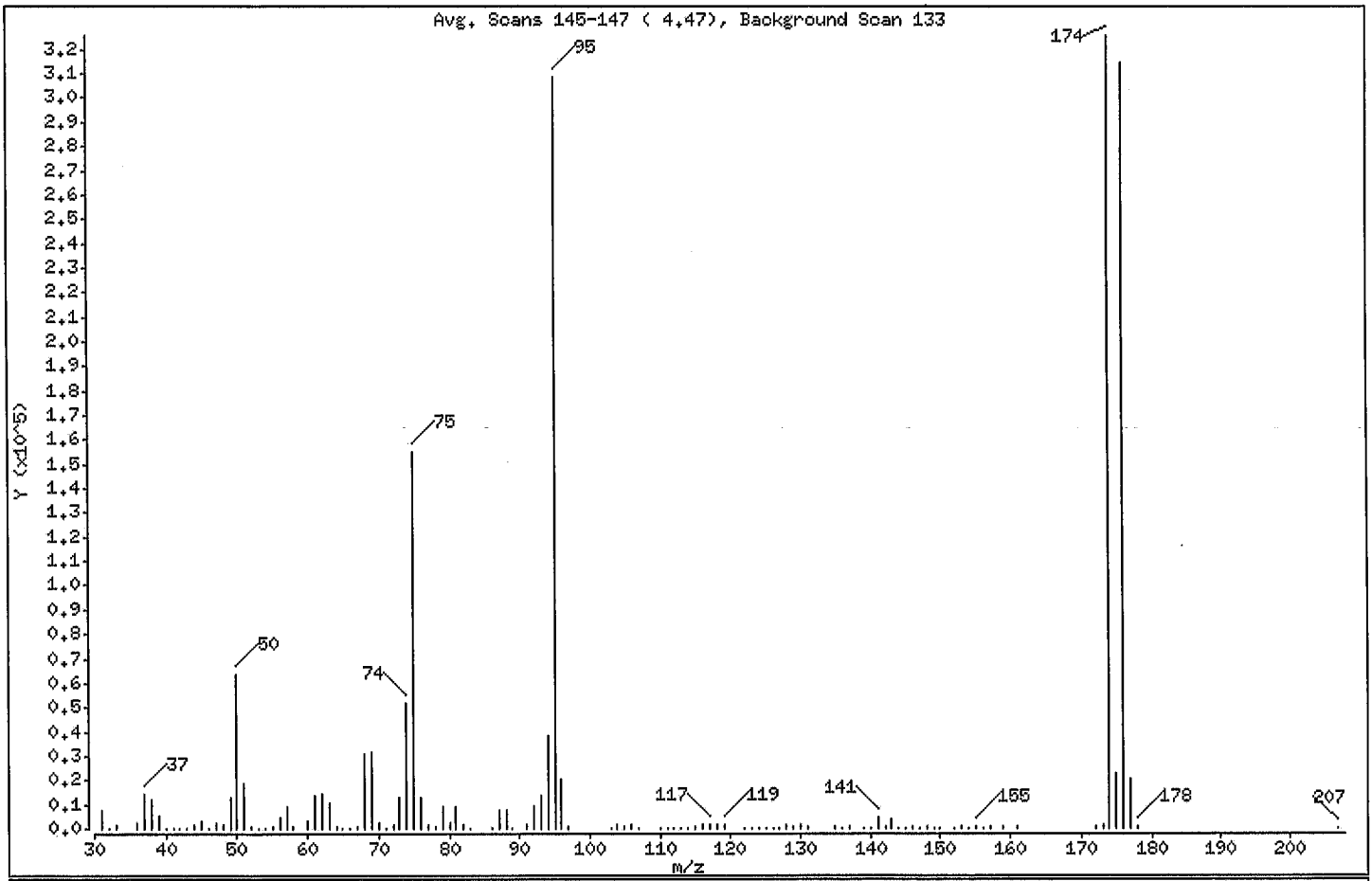
Sample Info: BFB,,3,,,BFB

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	20.59
75	30.00 - 60.00% of mass 95	50.19
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.57 (0.54)
174	50.00 - 120.00% of mass 95	105.49
175	5.00 - 9.00% of mass 174	7.35 (6.96)
176	95.00 - 101.00% of mass 174	101.76 (96.46)
177	5.00 - 9.00% of mass 176	6.56 (6.45)

Data File: /chem/gcms/mg.i/G021213I.b/gbfbb12.d

Date : 12-FEB-2013 10:22

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

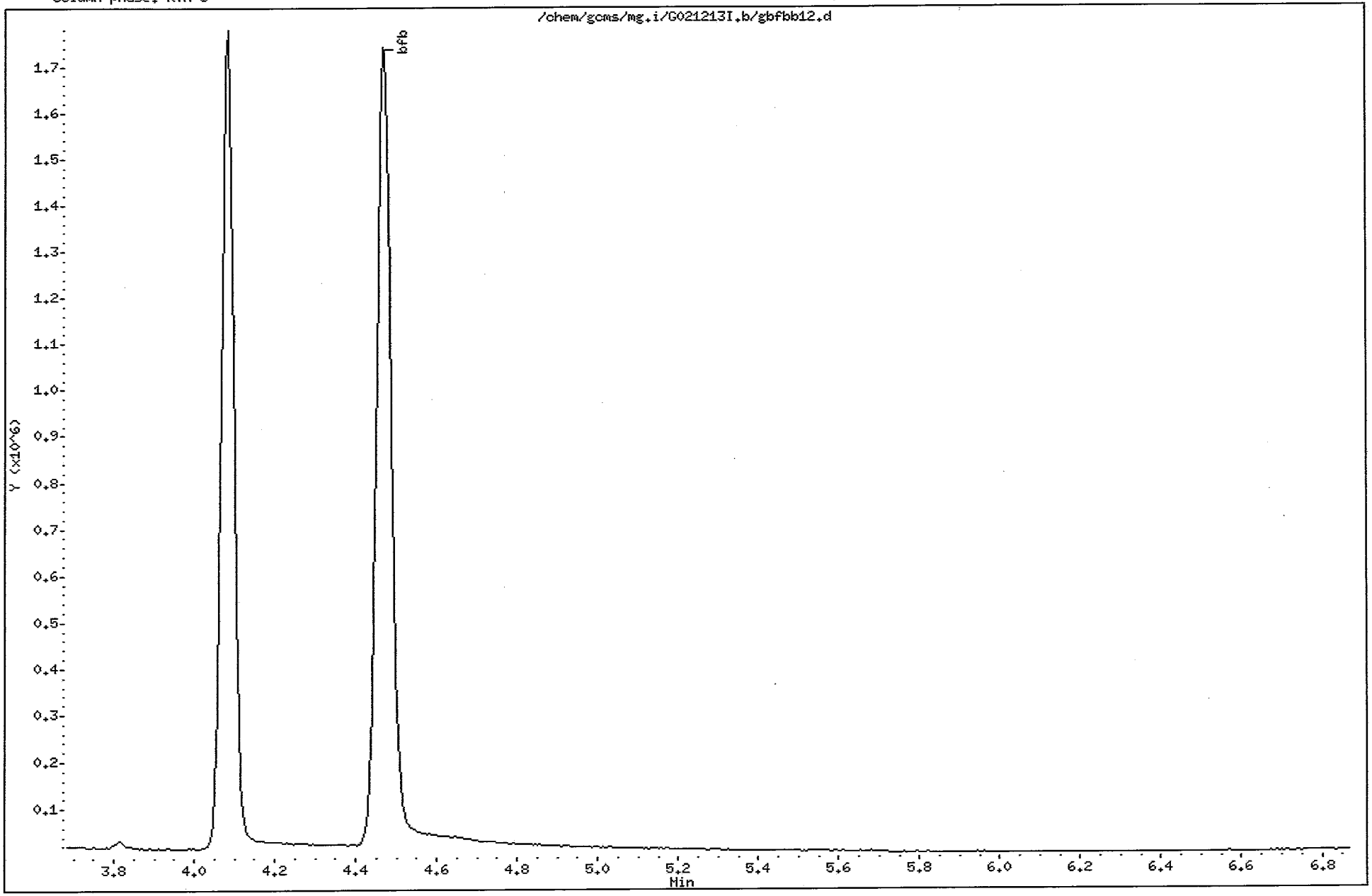
Data File: gbfbb12.d
Spectrum: Avg. Scans 145-147 (4.47), Background Scan 133
Location of Maximum: 174.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	7554	64.00	1034	97.00	701	140.00	239
32.00	134	65.00	142	103.00	237	141.00	4160
33.00	1833	66.00	142	104.00	1562	142.00	442
36.00	2395	67.00	847	105.00	641	143.00	4015
37.00	13929	68.00	30744	106.00	1559	144.00	228
38.00	12187	69.00	31160	107.00	350	145.00	343
39.00	4991	70.00	2381	110.00	235	146.00	612
40.00	45	71.00	53	111.00	330	147.00	322
41.00	3	72.00	1396	112.00	256	148.00	945
42.00	76	73.00	12671	113.00	304	149.00	336
43.00	143	74.00	51384	114.00	51	150.00	368
44.00	1698	75.00	155008	115.00	495	152.00	223
45.00	2668	76.00	13054	116.00	1203	153.00	386
46.00	301	77.00	1150	117.00	1721	154.00	373
47.00	2243	78.00	704	118.00	1149	155.00	1113
48.00	1789	79.00	8929	119.00	1667	156.00	126
49.00	12457	80.00	2617	122.00	66	157.00	712
50.00	63600	81.00	9328	123.00	67	159.00	482
51.00	18824	82.00	1842	124.00	275	161.00	533
52.00	749	83.00	195	125.00	115	172.00	388
53.00	101	86.00	229	126.00	126	173.00	1763
54.00	40	87.00	7482	127.00	128	174.00	325824
55.00	791	88.00	7213	128.00	1445	175.00	22688
56.00	4522	89.00	70	129.00	717	176.00	314304
57.00	9026	91.00	1227	130.00	1405	177.00	20256
58.00	409	92.00	8895	131.00	554	178.00	704
60.00	2625	93.00	13726	135.00	664	207.00	24
61.00	13629	94.00	38160	136.00	55		
62.00	14341	95.00	308864	137.00	726		
63.00	10832	96.00	20536	139.00	64		

Data File: /chem/gcms/mg.i/G021213I.b/gbfbb12.d
Date : 12-FEB-2013 10:22
Client ID: BFB
Sample Info: BFB,,3,,,BFB

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

Column phase: RTX-5



Report Date:02/13/2013 Page 1

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mg.i/G021213I.b/gicb121.d
STD 2 = /var/chem/gcms/mg.i/G021213I.b/gicb122.d
STD 3 = /var/chem/gcms/mg.i/G021213I.b/gicb123.d
STD 4 = /var/chem/gcms/mg.i/G021213I.b/gicb124.d
STD 5 = /var/chem/gcms/mg.i/G021213I.b/gicb125.d
STD 6 = /var/chem/gcms/mg.i/G021213I.b/gicb126.d
STD 7 = /var/chem/gcms/mg.i/G021213I.b/gicb127.d
STD 8 = /var/chem/gcms/mg.i/G021213I.b/gicb128.d
STD 9 = /var/chem/gcms/mg.i/G021213I.b/gicb129.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,4-Difluorobenzene	9.668	9.662	9.668	9.668	9.668	9.673	9.668	9.668	9.668	9.668
Chlorobenzene-d5	14.596	14.596	14.596	14.596	14.596	14.596	14.596	14.602	14.602	14.597
Bromochloromethane	7.597	7.597	7.597	7.602	7.602	7.602	7.602	7.602	7.597	7.600
4-Bromofluorobenzene	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116
~ 2-Methylnaphthalene	NA	NA	1.458	1.458	1.458	1.458	1.458	1.458	1.458	1.458
Chlorodifluoromethane	0.455	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454
Propene	NA	NA	0.456	0.454	0.455	0.455	0.455	0.455	0.455	0.455
Dichlorodifluoromethane	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460
Chloromethane	NA	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
1,2-Dichlorotetrafluoroethan	0.479	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
Methanol	NA	NA	NA	NA	0.494	0.494	0.494	0.493	0.493	0.494
~ acetaldehyde	NA	NA	NA	0.494	0.494	0.494	0.494	0.494	0.493	0.494
Vinyl Chloride	0.495	0.494	0.495	0.494	0.494	0.494	0.494	0.494	0.494	0.494
n-Butane	0.502	0.502	0.502	0.501	0.502	0.502	0.502	0.501	0.501	0.502
1,3-Butadiene	0.503	0.502	0.502	0.502	0.502	0.503	0.503	0.502	0.502	0.502
Bromomethane	0.534	0.534	0.534	0.534	0.534	0.535	0.534	0.534	0.534	0.534
Chloroethane	0.548	0.546	0.548	0.547	0.547	0.547	0.547	0.547	0.547	0.547
~ ethanol	NA	0.562	0.562	0.562	0.561	0.562	0.562	0.561	0.561	0.562
Vinyl Bromide	0.578	0.577	0.577	0.577	0.576	0.577	0.576	0.576	0.576	0.577
2-methyl butane	0.580	0.579	0.580	0.579	0.579	0.579	0.579	0.579	0.579	0.579
Trichlorofluoromethane	0.602	0.602	0.602	0.602	0.602	0.603	0.602	0.602	0.602	0.602
Acrolein	NA	NA	0.607	0.607	0.607	0.608	0.607	0.606	0.606	0.607
Acetonitrile	NA	NA	0.617	0.616	0.616	0.616	0.616	0.616	0.616	0.616
Acetone	NA	NA	NA	NA	0.620	0.620	0.620	0.619	0.619	0.620
Isopropyl alcohol	NA	NA	NA	0.630	0.630	0.630	0.630	0.630	0.629	0.630
Pentane	NA	0.621	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622
Ethyl Ether	0.646	0.644	0.644	0.644	0.643	0.643	0.642	0.642	0.642	0.643
1,1-Dichloroethene	0.674	0.674	0.674	0.674	0.674	0.675	0.674	0.674	0.674	0.674
tert-butanol	NA	0.694	0.694	0.692	0.691	0.691	0.691	0.690	0.690	0.692
Acrylonitrile	0.692	0.691	0.691	0.692	0.691	0.691	0.691	0.691	0.691	0.691
1,1,2-Trichlorotrifluoroetha	0.693	0.692	0.692	0.692	0.692	0.692	0.692	0.691	0.692	0.692
Methylene Chloride	NA	NA	0.714	0.714	0.713	0.714	0.713	0.713	0.713	0.713
3-Chloropropene	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713
Carbon Disulfide	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727
trans-1,2-Dichloroethene	0.799	0.798	0.799	0.798	0.798	0.799	0.798	0.798	0.798	0.798
~ 2-Methyl Pentane	NA	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796
Methyl-t-Butyl Ether	0.820	0.818	0.818	0.817	0.816	0.816	0.815	0.814	0.814	0.816

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/mg.i/G021213I.b/gicb121.d
STD 2 = /var/chem/gcms/mg.i/G021213I.b/gicb122.d
STD 3 = /var/chem/gcms/mg.i/G021213I.b/gicb123.d
STD 4 = /var/chem/gcms/mg.i/G021213I.b/gicb124.d
STD 5 = /var/chem/gcms/mg.i/G021213I.b/gicb125.d
STD 6 = /var/chem/gcms/mg.i/G021213I.b/gicb126.d
STD 7 = /var/chem/gcms/mg.i/G021213I.b/gicb127.d
STD 8 = /var/chem/gcms/mg.i/G021213I.b/gicb128.d
STD 9 = /var/chem/gcms/mg.i/G021213I.b/gicb129.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,1-Dichloroethane	0.847	0.847	0.847	0.847	0.847	0.848	0.847	0.847	0.847	0.847
Vinyl Acetate	0.864	0.862	0.863	0.862	0.862	0.862	0.862	0.862	0.862	0.862
2-Butanone	NA	NA	0.920	0.918	0.917	0.916	0.916	0.916	0.915	0.917
Hexane	0.906	0.905	0.906	0.906	0.906	0.906	0.906	0.905	0.906	0.906
cis 1,2-Dichloroethene	0.962	0.962	0.962	0.962	0.962	0.962	0.962	0.962	0.962	0.962
Ethyl acetate	NA	0.991	0.991	0.990	0.989	0.989	0.988	0.987	0.988	0.989
Chloroform	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001
Tetrahydrofuran	NA	1.061	1.060	1.058	1.056	1.055	1.054	1.052	1.052	1.056
1,1,1-Trichloroethane	1.121	1.121	1.121	1.120	1.120	1.120	1.120	1.120	1.120	1.120
1,2-Dichloroethane	0.893	0.894	0.893	0.894	0.894	0.894	0.894	0.894	0.893	0.894
1-Butanol	NA	NA	NA	0.951	0.949	0.948	0.948	0.947	0.946	0.948
Benzene	0.939	0.940	0.939	0.939	0.939	0.939	0.939	0.939	0.939	0.939
Cyclohexane	0.934	0.934	0.934	0.934	0.934	0.933	0.934	0.934	0.933	0.934
Carbon Tetrachloride	0.941	0.941	0.940	0.941	0.941	0.940	0.940	0.941	0.940	0.940
~ 2,3-dimethylpentane	0.946	0.946	0.945	0.946	0.946	0.946	0.946	0.946	0.945	0.946
~ Thiophene	0.968	0.968	0.968	0.968	0.968	0.968	0.968	0.968	0.968	0.968
2,2,4-trimethylpentane	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012
Heptane	1.057	1.057	1.056	1.057	1.057	1.056	1.056	1.057	1.057	1.057
1,2-Dichloropropane	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070
Trichloroethene	1.074	1.074	1.074	1.074	1.074	1.074	1.074	1.074	1.074	1.074
Dibromomethane	1.086	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085
Bromodichloromethane	1.102	1.102	1.102	1.102	1.102	1.101	1.102	1.102	1.102	1.102
1,4-dioxane	1.118	1.117	1.115	1.114	1.113	1.111	1.110	1.110	1.109	1.113
Methyl Methacrylate	NA	1.119	1.119	1.118	1.118	1.117	1.118	1.118	1.117	1.118
~ 1-Methylnaphthalene	NA	NA	1.471	1.471	1.471	1.471	1.471	1.470	1.470	1.471
~ methyl cyclohexane	1.152	1.153	1.152	1.152	1.152	1.151	1.152	1.152	1.152	1.152
4-Methyl-2-pentanone	NA	NA	1.211	1.211	1.210	1.208	1.209	1.209	1.209	1.210
cis-1,3-Dichloropropene	1.213	1.213	1.212	1.212	1.212	1.212	1.212	1.212	1.212	1.212
trans-1,3-Dichloropropene	0.854	0.854	0.854	0.854	0.854	0.854	0.854	0.854	0.854	0.854
Toluene	0.860	0.859	0.859	0.859	0.859	0.859	0.859	0.859	0.859	0.859
1,1,2-Trichloroethane	0.867	0.867	0.868	0.868	0.867	0.867	0.867	0.867	0.867	0.867
~ 2-methyl thiophene	0.871	0.871	0.871	0.871	0.871	0.871	0.871	0.870	0.870	0.871
~ 3-methyl thiophene	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885
2-Hexanone	NA	0.899	0.898	0.898	0.898	0.897	0.897	0.896	0.896	0.897
Octane	0.908	0.908	0.908	0.908	0.908	0.908	0.908	0.908	0.908	0.908
Dibromochloromethane	0.916	0.916	0.916	0.916	0.916	0.916	0.916	0.916	0.916	0.916
1,2-Dibromoethane	0.936	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935

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/mg.i/G021213I.b/gicb121.d
STD 2 = /var/chem/gcms/mg.i/G021213I.b/gicb122.d
STD 3 = /var/chem/gcms/mg.i/G021213I.b/gicb123.d
STD 4 = /var/chem/gcms/mg.i/G021213I.b/gicb124.d
STD 5 = /var/chem/gcms/mg.i/G021213I.b/gicb125.d
STD 6 = /var/chem/gcms/mg.i/G021213I.b/gicb126.d
STD 7 = /var/chem/gcms/mg.i/G021213I.b/gicb127.d
STD 8 = /var/chem/gcms/mg.i/G021213I.b/gicb128.d
STD 9 = /var/chem/gcms/mg.i/G021213I.b/gicb129.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
Tetrachloroethene	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940
Chlorobenzene	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
~ 2,3-dimethylheptane	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.003	1.003	1.004
Ethylbenzene	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.023	1.023	1.024
~ 2-ethyl thiophene	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031
m&p-Xylene	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	NA	1.035
Nonane	NA	1.064	1.064	1.065	1.065	1.065	1.065	1.064	1.064	1.064
Bromoform	NA	1.066	1.066	1.066	1.066	1.067	1.067	1.066	1.066	1.066
Styrene	NA	1.068	1.068	1.068	1.068	1.068	1.068	1.068	1.068	1.068
o-Xylene	1.072	1.072	1.072	1.072	1.072	1.072	1.072	1.072	1.072	1.072
1,1,2,2-Tetrachloroethane	1.098	1.098	1.098	1.098	1.098	1.098	1.098	1.097	1.097	1.098
1,2,3-Trichloropropane	1.108	1.108	1.108	1.108	1.108	1.108	1.108	1.107	1.108	1.108
Cumene	NA	1.113	1.113	1.113	1.113	1.113	1.113	1.113	1.113	1.113
n-Propylbenzene	NA	1.151	1.151	1.151	1.151	1.151	1.151	1.151	1.151	1.151
2-chlorotoluene	1.154	1.154	1.154	1.154	1.154	1.154	1.154	1.154	1.154	1.154
4-Ethyltoluene	NA	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162
1,3,5-Trimethylbenzene	NA	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168
Alpha-Methylstyrene	NA	NA	1.186	1.186	1.186	1.186	1.186	1.186	1.186	1.186
Decane	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.189	1.189	1.190
tert-butylbenzene	NA	1.199	1.199	1.199	1.199	1.199	1.199	1.199	1.199	1.199
1,2,4-Trimethylbenzene	1.201	1.201	1.201	1.201	1.201	1.201	1.201	1.200	1.200	1.201
sec-butylbenzene	NA	1.220	1.220	1.220	1.220	1.220	1.220	1.219	1.220	1.220
1,3-Dichlorobenzene	NA	1.220	1.220	1.220	1.220	1.220	1.220	1.220	1.220	1.220
Benzyl Chloride	NA	1.228	1.228	1.228	1.228	1.228	1.228	1.227	1.227	1.228
1,4-Dichlorobenzene	NA	1.228	1.228	1.228	1.228	1.228	1.228	1.227	1.227	1.228
p-Cymene	1.232	1.232	1.232	1.232	1.232	1.232	1.232	1.232	1.232	1.232
~ 1,2,3- Trimethylbenzene	1.236	1.236	1.236	1.236	1.236	1.236	1.236	1.236	1.236	1.236
~ n-butylcyclohexane	NA	1.239	1.239	1.239	1.239	1.239	1.239	1.238	1.238	1.239
~ Indane	1.254	1.254	1.254	1.254	1.254	1.254	1.254	1.254	1.254	1.254
1,2-Dichlorobenzene	NA	1.254	1.254	1.254	1.254	1.254	1.254	1.254	1.254	1.254
n-butylbenzene	NA	1.264	1.264	1.264	1.264	1.264	1.264	1.264	1.264	1.264
~ Indene	NA	1.264	1.264	1.264	1.264	1.264	1.264	1.264	1.264	1.264
Undecane	NA	1.288	1.288	1.288	1.288	1.288	1.288	1.287	1.288	1.288
~ 1,2-dimethyl-4-ethylenzene	NA	1.292	1.292	1.292	1.292	1.292	1.292	1.292	1.292	1.292
~ 1,2,4,5-tetramethylbenzene	NA	1.320	1.320	1.320	1.320	1.320	1.320	1.319	1.319	1.320
~ 1,2,3,5-tetramethylbenzene	NA	1.324	1.324	1.324	1.324	1.324	1.324	1.323	1.324	1.324
~ 1,2,3,4-tetramethylbenzene	NA	1.351	1.351	1.351	1.351	1.351	1.351	1.351	1.351	1.351

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/mg.i/G021213I.b/gicb121.d
STD 2 = /var/chem/gcms/mg.i/G021213I.b/gicb122.d
STD 3 = /var/chem/gcms/mg.i/G021213I.b/gicb123.d
STD 4 = /var/chem/gcms/mg.i/G021213I.b/gicb124.d
STD 5 = /var/chem/gcms/mg.i/G021213I.b/gicb125.d
STD 6 = /var/chem/gcms/mg.i/G021213I.b/gicb126.d
STD 7 = /var/chem/gcms/mg.i/G021213I.b/gicb127.d
STD 8 = /var/chem/gcms/mg.i/G021213I.b/gicb128.d
STD 9 = /var/chem/gcms/mg.i/G021213I.b/gicb129.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
Dodecane	1.363	1.363	1.363	1.363	1.363	1.363	1.363	1.363	1.363	1.363
1,2,4-Trichlorobenzene	1.375	1.375	1.375	1.375	1.375	1.375	1.375	1.374	1.374	1.375
Napthalene	1.384	1.384	1.384	1.384	1.384	1.384	1.384	1.383	1.384	1.384
~ benzo(b) thiophene	1.391	1.391	1.391	1.391	1.391	1.391	1.391	1.390	1.390	1.391
Hexachlorobutadiene	NA	1.399	1.399	1.399	1.399	1.399	1.399	1.398	1.398	1.399
1,2,3-trichlorobenzene	1.403	1.403	1.403	1.403	1.403	1.403	1.403	1.402	1.402	1.403

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 : 13-Feb-2013 11:11

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 12-FEB-2013 11:42
End Cal Date : 12-FEB-2013 18:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 tajh
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcms/mg.i/G021213I.b/gicb121.d
Level 2: /var/chem/gcms/mg.i/G021213I.b/gicb122.d
Level 3: /var/chem/gcms/mg.i/G021213I.b/gicb123.d
Level 4: /var/chem/gcms/mg.i/G021213I.b/gicb124.d
Level 5: /var/chem/gcms/mg.i/G021213I.b/gicb125.d
Level 6: /var/chem/gcms/mg.i/G021213I.b/gicb126.d
Level 7: /var/chem/gcms/mg.i/G021213I.b/gicb127.d
Level 8: /var/chem/gcms/mg.i/G021213I.b/gicb128.d
Level 9: /var/chem/gcms/mg.i/G021213I.b/gicb129.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					
M 83 Xylene (total)	0.88541	1.04236	1.14893	1.07063	1.13177	0.97925		
	0.97952	0.98526	0.83997				1.00701	10.278
5 Chlorodifluoromethane	0.39621	0.39260	0.40977	0.37432	0.39468	0.33341		
	0.31815	0.31597	0.28196				0.35745	12.777
6 Propene	+++++	+++++	1.39637	1.26532	1.26381	1.08247		
	1.01994	0.99112	0.84384				1.12327	17.140
7 Dichlorodifluoromethane	3.98413	4.06043	4.04605	3.80128	3.93633	3.35443		
	3.19391	3.15475	2.77773				3.58989	13.253
8 Chloromethane	+++++	0.52950	0.47094	0.38894	0.39958	0.34908		
	0.30817	0.29797	0.23520				0.37242	25.762

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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					
9 1,2-Dichlorotetrafluoroethane	2.93724	2.85289	2.84989	2.83996	2.93879	2.56055		
	2.48730	2.27530	2.02573				2.64085	12.321
10 Methanol	+++++	+++++	+++++	+++++	0.31196	0.24906		
	0.21800	0.19717	0.15468				0.22617	26.065
11 ~ acetaldehyde	+++++	+++++	+++++	0.46895	0.42065	0.35938		
	0.33133	0.31287	0.25211				0.35755	21.735
12 Vinyl Chloride	1.17399	1.11490	1.22042	1.12038	1.19633	1.02926		
	0.95148	0.93737	0.79387				1.05978	13.451
13 n-Butane	1.99858	2.00781	2.03422	1.85958	1.95823	1.63174		
	1.50492	1.46525	1.22615				1.74294	16.893
14 1,3-Butadiene	0.99902	0.97951	0.97978	0.89672	0.95716	0.82462		
	0.76850	0.76531	0.64573				0.86848	14.254
15 Bromomethane	1.22505	1.08147	1.08919	1.02416	1.07602	0.94362		
	0.87657	0.89968	0.80008				1.00176	13.206
16 Chloroethane	0.48608	0.49538	0.51818	0.48808	0.52610	0.46768		
	0.43147	0.44911	0.39353				0.47285	8.972
17 ~ ethanol	+++++	0.38586	0.41464	0.33460	0.33658	0.30917		
	0.28195	0.27867	0.22734				0.32110	18.845

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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						
18 Vinyl Bromide	1.16974	1.07503	1.13320	1.05028	1.12442	0.99669			
	0.95110	0.96182	0.87348				1.03731	9.490	
19 2-methyl butane	1.22983	1.19041	1.20305	1.14273	1.19493	1.04194			
	0.95297	0.94483	0.80945				1.07890	13.747	
20 Trichlorofluoromethane	3.63526	3.45242	3.57317	3.44379	3.63867	3.17742			
	3.03017	3.02560	2.68231				3.29542	10.122	
21 Acrolein	+++++	+++++	0.41444	0.25843	0.23912	0.21689			
	0.19023	0.22040	0.20157				0.24873	30.754	<-
22 Acetonitrile	+++++	+++++	0.42370	0.33581	0.35281	0.31767			
	0.31242	0.31998	0.27327				0.33367	13.961	
25 Pentane	+++++	0.18760	0.18938	0.17348	0.17643	0.15918			
	0.15074	0.15291	0.13726				0.16587	11.289	
23 Acetone	+++++	+++++	+++++	+++++	0.42451	0.36854			
	0.36397	0.34268	0.29185				0.35831	13.370	
24 Isopropyl alcohol	+++++	+++++	+++++	1.15978	1.20496	1.09955			
	1.08335	1.08499	0.91814				1.09180	8.952	
26 Ethyl Ether	1.18968	1.28702	1.26974	1.17170	1.17158	1.08532			
	0.99646	0.97794	0.78982				1.10436	14.459	

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Cal Date : 13-Feb-2013 11:09 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					
27 1,1-Dichloroethene	1.32982	1.28208	1.31166	1.24528	1.33221	1.17280		
	1.12573	1.13222	1.00933				1.21568	9.223
29 Acrylonitrile	0.85596	0.90045	0.95968	0.86589	0.87043	0.82812		
	0.79729	0.77777	0.62193				0.83083	11.455
30 1,1,2-Trichlorotrifluoroethan	2.72558	2.75848	2.77365	2.62289	2.73800	2.44690		
	2.31308	2.31476	2.04041				2.52597	10.300
28 tert-butanol	+++++	1.83008	1.96416	1.76453	1.86815	1.69005		
	1.66002	1.65525	1.42257				1.73185	9.555
31 Methylene Chloride	+++++	+++++	1.32408	1.16143	1.19243	1.03308		
	0.96653	0.95533	0.82993				1.06612	15.819
32 3-Chloropropene	1.09847	1.17328	1.05846	1.02056	1.12605	0.98046		
	0.96310	0.81341	0.82058				1.00604	12.567
33 Carbon Disulfide	3.88176	3.65125	3.66104	3.61194	3.81794	3.31091		
	3.11367	3.11111	2.70958				3.42991	11.409
35 ~ 2-Methyl Pentane	+++++	3.42652	3.51588	3.23475	3.41029	3.01942		
	2.84009	2.77269	2.34423				3.07049	13.140
34 trans-1,2-Dichloroethene	1.49255	1.33594	1.38288	1.32930	1.37751	1.24590		
	1.17854	1.17667	1.02582				1.28279	10.938

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Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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					
36 Methyl-t-Butyl Ether	2.51099	3.09462	3.09125	2.81222	2.96577	2.77192		
	2.78748	2.80746	2.48281				2.81384	7.773
37 1,1-Dichloroethane	2.27087	2.36108	2.42985	2.30759	2.44657	2.19761		
	2.07416	2.09357	1.86140				2.22697	8.571
38 Vinyl Acetate	2.71733	3.28921	3.05514	2.80245	3.01421	2.87441		
	2.96565	2.96159	2.60395				2.92044	6.892
39 2-Butanone	+++++	+++++	0.70576	0.49746	0.50532	0.47790		
	0.50177	0.49908	0.42889				0.51660	16.948
40 Hexane	1.17479	1.21165	1.18962	1.08798	1.14302	1.02200		
	0.96754	0.96321	0.84565				1.06727	11.735
41 cis 1,2-Dichloroethene	1.37263	1.38719	1.43213	1.34016	1.41216	1.29355		
	1.22715	1.25825	1.13095				1.31713	7.475
42 Ethyl acetate	+++++	2.80288	2.62469	2.37160	2.47567	2.38509		
	2.49936	2.49172	2.15339				2.47555	7.680
43 Chloroform	2.66123	2.69640	2.72713	2.60522	2.74606	2.47498		
	2.34772	2.36278	2.12507				2.52740	8.443
44 Tetrahydrofuran	+++++	1.59931	1.51533	1.34080	1.40752	1.33346		
	1.34446	1.35316	1.18068				1.38434	9.155

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Cal Date : 13-Feb-2013 11:09 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					
45 1,1,1-Trichloroethane	2.68277	2.75382	2.89067	2.74210	2.93870	2.64611		
	2.55525	2.59833	2.36714				2.68610	6.469
46 1,2-Dichloroethane	0.36446	0.38575	0.42462	0.38586	0.40524	0.35335		
	0.34180	0.35994	0.31754				0.37095	8.876
49 Cyclohexane	0.12909	0.13522	0.14536	0.13160	0.13849	0.11777		
	0.11425	0.11829	0.10227				0.12582	10.828
48 Benzene	0.83362	0.84071	0.89649	0.81285	0.84215	0.70850		
	0.68651	0.70043	0.57357				0.76609	13.544
50 Carbon Tetrachloride	0.57663	0.61053	0.48747	0.47053	0.55030	0.43949		
	0.59712	0.44602	0.57062				0.52763	12.673
51 ~ 2,3-dimethylpentane	0.16361	0.18005	0.19007	0.17926	0.18683	0.15799		
	0.15241	0.15521	0.12957				0.16611	11.822
47 1-Butanol	+++++	+++++	+++++	0.08710	0.08633	0.07714		
	0.07594	0.07920	0.06900				0.07912	8.612
52 ~ Thiophene	0.45252	0.45605	0.51273	0.48225	0.51781	0.44482		
	0.43387	0.45235	0.39223				0.46052	8.497
53 2,2,4-trimethylpentane	1.33156	1.39367	1.53914	1.40535	1.49189	1.26306		
	1.22081	1.25020	1.06494				1.32896	11.056

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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					
54 Heptane	0.25807	0.27923	0.30817	0.28839	0.30336	0.25968		
	0.25482	0.26329	0.22484				0.27110	9.713
55 1,2-Dichloropropane	0.27032	0.29438	0.32534	0.29700	0.31210	0.27293		
	0.26569	0.27378	0.23217				0.28264	9.845
56 Trichloroethene	0.42727	0.41300	0.45869	0.43866	0.46630	0.39938		
	0.38821	0.41707	0.36891				0.41972	7.602
180 ~ 2-nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
57 Dibromomethane	0.29943	0.32905	0.36776	0.33105	0.34661	0.29982		
	0.29203	0.31016	0.26614				0.31578	9.788
58 Bromodichloromethane	0.49447	0.55007	0.60066	0.57907	0.62217	0.54068		
	0.54482	0.56038	0.49503				0.55415	7.760
60 Methyl Methacrylate	+++++	0.32548	0.35410	0.29910	0.32603	0.30819		
	0.33512	0.34573	0.29221				0.32325	6.802
59 1,4-dioxane	0.06157	0.08694	0.09631	0.08024	0.08808	0.08052		
	0.08002	0.07960	0.07039				0.08041	12.520
61 ~ methyl cyclohexane	0.48407	0.50684	0.55011	0.50874	0.54480	0.46217		
	0.44995	0.46227	0.39585				0.48498	10.067

NA

Report Date : 13-Feb-2013 11:11

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 12-FEB-2013 11:42
End Cal Date : 12-FEB-2013 18:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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					
63 cis-1,3-Dichloropropene	0.30799	0.36383	0.40381	0.38519	0.42315	0.38096		
	0.38018	0.39994	0.34686				0.37688	9.053
62 4-Methyl-2-pentanone	+++++	+++++	0.56064	0.49306	0.52873	0.45952		
	0.49146	0.50084	0.41773				0.49314	9.330
64 trans-1,3-Dichloropropene	0.32904	0.37484	0.43006	0.41288	0.45269	0.41825		
	0.43306	0.44775	0.41576				0.41270	9.391
65 Toluene	0.99733	1.10425	1.19512	1.11719	1.16774	1.00169		
	1.01117	1.03699	0.90549				1.05966	8.777
66 1,1,2-Trichloroethane	0.26573	0.30587	0.33294	0.32006	0.32856	0.28130		
	0.28056	0.28333	0.24611				0.29383	10.124
67 ~ 2-methyl thiophene	0.82349	0.89592	1.00795	0.97198	1.00122	0.88538		
	0.88653	0.91783	0.80764				0.91088	7.872
68 ~ 3-methyl thiophene	0.78686	0.90095	0.98141	0.96005	0.99496	0.87310		
	0.87428	0.90707	0.79516				0.89709	8.305
69 2-Hexanone	+++++	0.25981	0.28895	0.27277	0.29615	0.25279		
	0.26228	0.26892	0.23815				0.26748	7.030
70 Octane	0.32044	0.35079	0.38728	0.37415	0.39329	0.33496		
	0.32587	0.33046	0.28375				0.34455	10.278

Report Date : 13-Feb-2013 11:11

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 12-FEB-2013 11:42
End Cal Date : 12-FEB-2013 18:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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					
71 Dibromochloromethane	0.52137	0.57945	0.61591	0.64093	0.71598	0.62939		
	0.68929	0.70479	0.68169				0.64209	9.931
72 1,2-Dibromoethane	0.46655	0.53104	0.58569	0.57754	0.62064	0.53912		
	0.54631	0.57446	0.51023				0.55017	8.294
73 Tetrachloroethene	0.40306	0.41565	0.46579	0.43611	0.45813	0.39622		
	0.38898	0.40867	0.36796				0.41562	7.754
75 ~ 2,3-dimethylheptane	1.04611	1.10882	1.22513	1.17468	1.19507	0.98944		
	0.92403	0.85963	0.63999				1.01810	18.554
74 Chlorobenzene	0.79677	0.88072	0.94259	0.91015	0.94141	0.81769		
	0.81841	0.83822	0.73018				0.85290	8.372
76 Ethylbenzene	1.19440	1.31884	1.46555	1.37783	1.44363	1.26158		
	1.28027	1.30217	1.12906				1.30815	8.378
77 ~ 2-ethyl thiophene	0.83602	0.98289	1.07270	1.02008	1.09711	0.96652		
	0.98588	1.01150	0.89369				0.98515	8.268
78 m&p-Xylene	0.87465	1.02912	1.12928	1.04995	1.12049	0.97007		
	0.97061	0.97464	+++++				1.01485	8.405
79 Nonane	+++++	0.68097	0.74442	0.72158	0.76776	0.64794		
	0.63584	0.61619	0.49249				0.66340	13.189

Report Date : 13-Feb-2013 11:11

TestAmerica Knoxville

INITIAL CALIBRATION DATA

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End Cal Date : 12-FEB-2013 18:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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					
80 Bromoform	+++++	0.46576	0.46979	0.51881	0.64048	0.57766		
	0.68128	0.67757	0.72141				0.59409	16.927
81 Styrene	+++++	0.63187	0.74556	0.77115	0.81912	0.73597		
	0.75147	0.77895	0.67670				0.73885	8.026
82 o-Xylene	0.90692	1.06882	1.18823	1.11198	1.15434	0.99762		
	0.99733	1.00649	0.85865				1.03227	10.604
84 1,1,2,2-Tetrachloroethane	0.65004	0.75665	0.83000	0.78055	0.83092	0.70859		
	0.70563	0.71040	0.60079				0.73040	10.602
85 1,2,3-Trichloropropane	0.19639	0.22859	0.25549	0.23541	0.24992	0.21796		
	0.22292	0.23035	0.20465				0.22685	8.474
86 Cumene	+++++	1.50271	1.64717	1.52833	1.61515	1.41527		
	1.43087	1.45732	1.26176				1.48232	8.214
87 n-Propylbenzene	+++++	0.40103	0.45329	0.42018	0.46167	0.40967		
	0.42514	0.44123	0.38877				0.42513	5.999
88 2-chlorotoluene	0.35078	0.42260	0.46903	0.43106	0.46918	0.40212		
	0.40716	0.42267	0.37464				0.41658	9.369
89 4-Ethyltoluene	+++++	1.40001	1.58503	1.49640	1.62224	1.37364		
	1.46126	1.48861	1.29894				1.46577	7.331

Report Date : 13-Feb-2013 11:11

TestAmerica Knoxville

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End Cal Date : 12-FEB-2013 18:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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					
90 1,3,5-Trimethylbenzene	+++++	0.70906	0.78677	0.73896	0.79364	0.69638		
	0.71731	0.74165	0.65221				0.72950	6.402
91 Alpha-Methylstyrene	+++++	+++++	0.54563	0.55112	0.66896	0.61065		
	0.62733	0.67308	0.60444				0.61160	8.278
92 Decane	0.57695	0.80050	0.90968	0.86104	0.92717	0.79995		
	0.77054	0.75004	0.60425				0.77779	15.676
93 tert-butylbenzene	+++++	1.37329	1.47752	1.38338	1.48558	1.27828		
	1.32447	1.36120	1.21202				1.36197	6.804
94 1,2,4-Trimethylbenzene	0.90244	1.20336	1.35739	1.26555	1.34776	1.16335		
	1.17749	1.18961	1.04510				1.18356	12.059
95 sec-butylbenzene	+++++	1.75472	1.96288	1.82257	1.95763	1.69002		
	1.70958	1.70101	1.46441				1.75785	9.183
96 1,3-Dichlorobenzene	+++++	0.81711	0.91720	0.89114	0.97731	0.86256		
	0.87693	0.92957	0.85586				0.89096	5.584
97 Benzyl Chloride	+++++	0.65187	0.75427	0.78117	0.95802	0.89654		
	0.96959	1.02748	0.92198				0.87011	14.714
98 1,4-Dichlorobenzene	+++++	0.78846	0.87149	0.84054	0.93330	0.83405		
	0.85735	0.90890	0.84916				0.86041	5.233

Report Date : 13-Feb-2013 11:11

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 12-FEB-2013 11:42
End Cal Date : 12-FEB-2013 18:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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					
99 p-Cymene	1.04873	1.43935	1.64469	1.52872	1.65858	1.43272		
	1.48191	1.52121	1.34796				1.45599	12.505
100 ~ 1,2,3- Trimethylbenzene	0.76094	1.04256	1.16572	1.08243	1.14841	0.97470		
	0.98983	0.99390	0.86357				1.00245	12.939
101 ~ n-butylcyclohexane	+++++	1.03519	1.15813	1.08716	1.13358	0.93337		
	0.89013	0.87541	0.73026				0.98041	15.099
102 ~ Indane	0.90655	1.15390	1.29576	1.20958	1.30999	1.12151		
	1.12590	1.13081	0.99883				1.13920	11.328
103 1,2-Dichlorobenzene	+++++	0.82774	0.90326	0.86248	0.93225	0.80709		
	0.81885	0.85054	0.78845				0.84883	5.779
104 n-butylbenzene	+++++	1.24502	1.41458	1.33546	1.46862	1.26377		
	1.27627	1.24522	1.06431				1.28916	9.515
105 ~ Indene	+++++	1.00312	1.16667	1.13736	1.25956	1.12274		
	1.13912	1.16955	1.05624				1.13179	6.795
106 Undecane	+++++	0.57289	0.64996	0.64479	0.69815	0.75072		
	0.83751	0.80966	0.64209				0.70072	13.054
107 ~ 1,2-dimethyl-4-ethylenzene	+++++	1.33832	1.51471	1.39774	1.51176	1.33693		
	1.41681	1.43628	1.27910				1.40396	5.991

Report Date : 13-Feb-2013 11:11

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Start Cal Date : 12-FEB-2013 11:42
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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					
108 ~ 1,2,4,5-tetramethylbenzene	+++++	1.18992	1.37545	1.27899	1.40473	1.31979		
	1.43498	1.47230	1.31444				1.34882	6.787
109 ~ 1,2,3,5-tetramethylbenzene	+++++	0.76488	0.88675	0.81366	0.89347	0.82175		
	0.88245	0.90548	0.82137				0.84873	5.898
110 ~ 1,2,3,4-tetramethylbenzene	+++++	0.89165	1.00434	0.94523	1.03643	1.00790		
	1.12011	1.14756	1.03892				1.02402	8.191
111 Dodecane	0.52667	0.67451	0.67935	0.64932	0.54323	0.58769		
	0.52018	0.62560	0.52109				0.59196	11.285
112 1,2,4-Trichlorobenzene	0.48337	0.55968	0.54821	0.51361	0.55301	0.55776		
	0.57084	0.64687	0.66635				0.56663	10.214
113 Napthalene	0.84698	1.16790	1.17363	1.08217	1.12377	1.22564		
	1.26007	1.32033	1.29458				1.16612	12.256
114 ~ benzo(b) thiophene	0.56056	0.82086	0.79398	0.75125	0.72524	0.78628		
	0.77788	0.84313	0.90369				0.77365	12.331
115 Hexachlorobutadiene	+++++	0.75639	0.74019	0.65049	0.73263	0.64984		
	0.65610	0.73961	0.72334				0.70607	6.462
116 1,2,3-trichlorobenzene	0.38910	0.53035	0.50263	0.43792	0.43049	0.46653		
	0.45089	0.49945	0.54509				0.47249	10.758

Report Date : 13-Feb-2013 11:11

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 12-FEB-2013 11:42
End Cal Date : 12-FEB-2013 18:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Cal Date : 13-Feb-2013 11:09 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						
117 ~ 2-Methylnaphthalene	+++++	+++++	0.05726	0.04666	0.01829	0.06661			
	0.03047	0.04259	0.08535				0.04960	45.302	<- not valid
118 ~ 1-Methylnaphthalene	+++++	+++++	0.04648	0.03606	0.01283	0.04790			
	0.01912	0.02633	0.05453				0.03475	45.485	<- +
$ 4 4-Bromofluorobenzene	0.70922	0.71298	0.72498	0.71525	0.72981	0.71387			lvl 5
	0.70282	0.69501	0.67908				0.70922	2.170	too low

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb121.d
Report Date: 13-Feb-2013 11:22

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb121.d
Lab Smp Id: ICAL1 Client Smp ID: 0.04PPB
Inj Date : 12-FEB-2013 11:42
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL1,,1,1,,0.04PPB
Misc Info : G021213I,TO15,allmdl.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 11:42 Cal File: gicb121.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	7.597	7.597	(1.000)	376067	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.668	9.668	(1.000)	1845202	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.596	14.602	(1.000)	1604989	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.289	16.295	(1.116)	1138287	4.00000	4.000
5 Chlorodifluoromethane	67	3.456	3.450	(0.455)	1490	0.04000	0.04000
6 Propene	41	3.461	3.456	(0.456)	7083	0.04000	0.000
7 Dichlorodifluoromethane	85	3.499	3.493	(0.461)	14983	0.04000	0.04000
8 Chloromethane	52	3.628	3.628	(0.478)	1898	0.04000	0.000
9 1,2-Dichlorotetrafluoroethane	135	3.639	3.628	(0.479)	11046	0.04000	0.04000
10 Methanol	31	3.763	3.747	(0.495)	4715	0.04000	0.000
11 ~ acetaldehyde	44	3.758	3.747	(0.495)	17393	0.20000	0.000
12 Vinyl Chloride	62	3.758	3.752	(0.495)	4415	0.04000	0.04000
13 n-Butane	43	3.817	3.806	(0.502)	7516	0.04000	0.04000
14 1,3-Butadiene	54	3.822	3.811	(0.503)	3757	0.04000	0.04000
15 Bromomethane	94	4.060	4.054	(0.534)	4607	0.04000	0.04000
16 Chloroethane	64	4.162	4.157	(0.548)	1828	0.04000	0.04000

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb121.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	4.275	4.264	(0.563)	6719	0.20000	0.000
18 Vinyl Bromide	106	4.389	4.378	(0.578)	4399	0.04000	0.04000
19 2-methyl butane	43	4.405	4.399	(0.580)	4625	0.04000	0.04000
20 Trichlorofluoromethane	101	4.577	4.572	(0.602)	13671	0.04000	0.04000
21 Acrolein	56	4.620	4.604	(0.608)	1793	0.04000	0.000
22 Acetonitrile	40	4.691	4.680	(0.617)	366	0.04000	0.000
23 Acetone	58	4.723	4.701	(0.622)	7008	0.04000	0.000
24 Isopropyl alcohol	45	4.809	4.782	(0.633)	5689	0.04000	0.000
25 Pentane	72	4.728	4.723	(0.622)	796	0.04000	0.000
26 Ethyl Ether	31	4.906	4.879	(0.646)	4474	0.04000	0.04000
27 1,1-Dichloroethene	96	5.122	5.122	(0.674)	5001	0.04000	0.04000
28 tert-butanol	59	5.289	5.246	(0.696)	6570	0.04000	0.000
29 Acrylonitrile	53	5.257	5.251	(0.692)	3219	0.04000	0.04000
30 1,1,2-Trichlorotrifluoroethane	101	5.262	5.257	(0.693)	10250	0.04000	0.04000
31 Methylene Chloride	84	5.424	5.418	(0.714)	6203	0.04000	0.000
32 3-Chloropropene	39	5.418	5.418	(0.713)	4131	0.04000	0.04000
33 Carbon Disulfide	76	5.526	5.521	(0.727)	14598	0.04000	0.04000
34 trans-1,2-Dichloroethene	96	6.071	6.065	(0.799)	5613	0.04000	0.04000
35 ~ 2-Methyl Pentane	43	6.049	6.044	(0.796)	13117	0.04000	0.000
36 Methyl-t-Butyl Ether	73	6.233	6.184	(0.820)	9443	0.04000	0.04000
37 1,1-Dichloroethane	63	6.438	6.432	(0.847)	8540	0.04000	0.04000
38 Vinyl Acetate	43	6.562	6.551	(0.864)	10219	0.04000	0.04000
39 2-Butanone	72	7.004	6.950	(0.922)	2197	0.04000	0.000
40 Hexane	56	6.885	6.880	(0.906)	4418	0.04000	0.04000
41 cis 1,2-Dichloroethene	96	7.311	7.306	(0.962)	5162	0.04000	0.04000
42 Ethyl acetate	43	7.538	7.505	(0.992)	7403	0.04000	0.000
43 Chloroform	83	7.608	7.608	(1.001)	10008	0.04000	0.04000
44 Tetrahydrofuran	42	8.082	7.996	(1.064)	5178	0.04000	0.000
45 1,1,1-Trichloroethane	97	8.514	8.508	(1.121)	10089	0.04000	0.04000
46 1,2-Dichloroethane	62	8.638	8.638	(0.893)	6725	0.04000	0.04000
47 1-Butanol	31	9.220	9.150	(0.954)	1216	0.04000	0.000
48 Benzene	78	9.080	9.080	(0.939)	15382	0.04000	0.04000
49 Cyclohexane	69	9.026	9.021	(0.934)	2382	0.04000	0.04000
50 Carbon Tetrachloride	117	9.101	9.091	(0.941)	10640	0.04000	0.04000
51 ~ 2,3-dimethylpentane	71	9.150	9.139	(0.946)	3019	0.04000	0.04000
52 ~ Thiophene	84	9.355	9.355	(0.968)	8350	0.04000	0.04000
53 2,2,4-trimethylpentane	57	9.786	9.786	(1.012)	24570	0.04000	0.04000
54 Heptane	71	10.218	10.218	(1.057)	4762	0.04000	0.04000
55 1,2-Dichloropropane	63	10.347	10.342	(1.070)	4988	0.04000	0.04000
56 Trichloroethene	130	10.385	10.379	(1.074)	7884	0.04000	0.04000
57 Dibromomethane	93	10.498	10.493	(1.086)	5525	0.04000	0.04000
58 Bromodichloromethane	83	10.649	10.649	(1.101)	9124	0.04000	0.04000
59 1,4-dioxane	88	10.811	10.724	(1.118)	1136	0.04000	0.04000
60 Methyl Methacrylate	41	10.816	10.800	(1.119)	4521	0.04000	0.000
61 ~ methyl cyclohexane	83	11.134	11.134	(1.152)	8932	0.04000	0.04000
62 4-Methyl-2-pentanone	43	11.722	11.684	(1.212)	7607	0.04000	0.000
63 cis-1,3-Dichloropropene	75	11.728	11.722	(1.213)	5683	0.04000	0.04000

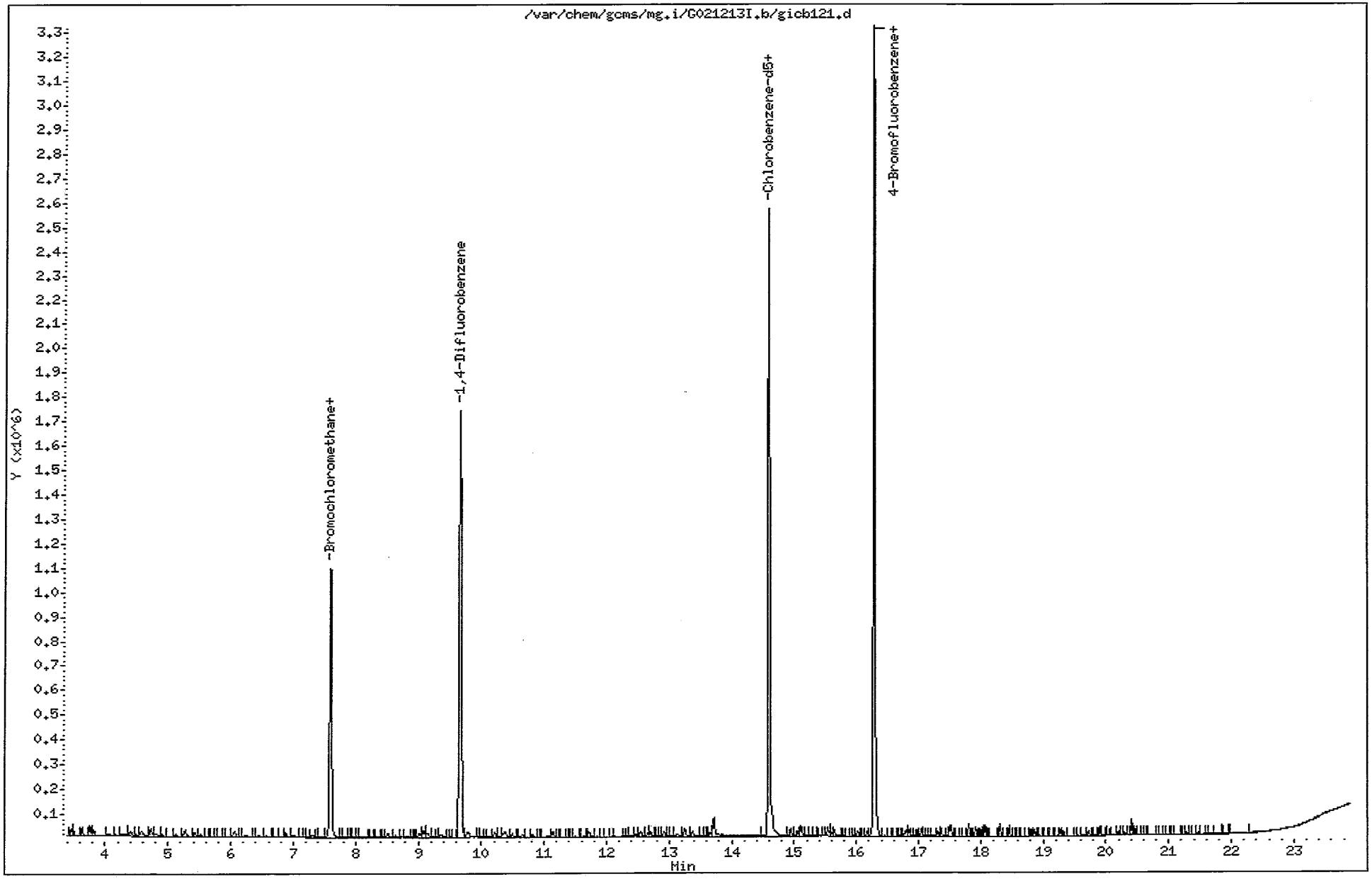
Data File: /var/chem/gcms/mg.i/G021213I.b/gicb121.d
Report Date: 13-Feb-2013 11:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
	64 trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	5281	0.04000	0.04000
	65 Toluene	91	12.547	12.547	(0.860)	16007	0.04000	0.04000
	66 1,1,2-Trichloroethane	83	12.660	12.666	(0.867)	4265	0.04000	0.04000
	67 ~ 2-methyl thiophene	97	12.709	12.709	(0.871)	13217	0.04000	0.04000
	68 ~ 3-methyl thiophene	97	12.919	12.919	(0.885)	12629	0.04000	0.04000
	69 2-Hexanone	58	13.124	13.092	(0.899)	3378	0.04000	0.000
	70 Octane	85	13.254	13.254	(0.908)	5143	0.04000	0.04000
	71 Dibromochloromethane	129	13.372	13.378	(0.916)	8368	0.04000	0.04000
	72 1,2-Dibromoethane	107	13.658	13.658	(0.936)	7488	0.04000	0.04000
	73 Tetrachloroethene	129	13.723	13.723	(0.940)	6469	0.04000	0.04000
	74 Chlorobenzene	112	14.650	14.650	(1.004)	12788	0.04000	0.04000
	75 ~ 2,3-dimethylheptane	43	14.650	14.650	(1.004)	16790	0.04000	0.04000
	76 Ethylbenzene	91	14.941	14.941	(1.024)	19170	0.04000	0.04000
	77 ~ 2-ethyl thiophene	97	15.055	15.055	(1.031)	13418	0.04000	0.04000
	78 m&p-Xylene	91	15.109	15.114	(1.035)	28076	0.08000	0.08000
	79 Nonane	57	15.540	15.540	(1.065)	9871	0.04000	0.000
	80 Bromoform	173	15.567	15.572	(1.066)	6951	0.04000	0.000
	81 Styrene	104	15.599	15.599	(1.069)	7974	0.04000	0.000
	82 o-Xylene	91	15.642	15.648	(1.072)	14556	0.04000	0.04000
M	83 Xylene (total)	100				42632	0.12000	0.1200
	84 1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.098)	10433	0.04000	0.04000
	85 1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	3152	0.04000	0.04000
	86 Cumene	105	16.246	16.252	(1.113)	19267	0.04000	0.000
	87 n-Propylbenzene	120	16.802	16.807	(1.151)	5058	0.04000	0.000
	88 2-chlorotoluene	126	16.845	16.850	(1.154)	5630	0.04000	0.04000
	89 4-Ethyltoluene	105	16.964	16.969	(1.162)	17725	0.04000	0.000
	90 1,3,5-Trimethylbenzene	120	17.050	17.050	(1.168)	8868	0.04000	0.000
	91 Alpha-Methylstyrene	118	17.309	17.314	(1.186)	5611	0.04000	0.000
	92 Decane	57	17.363	17.368	(1.190)	9260	0.04000	0.04000
	93 tert-butylbenzene	119	17.503	17.508	(1.199)	17151	0.04000	0.000
	94 1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	14484	0.04000	0.04000
	95 sec-butylbenzene	105	17.805	17.810	(1.220)	21970	0.04000	0.000
	96 1,3-Dichlorobenzene	146	17.821	17.821	(1.221)	11241	0.04000	0.000
	97 Benzyl Chloride	91	17.923	17.923	(1.228)	7721	0.04000	0.000
	98 1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	10338	0.04000	0.000
	99 p-Cymene	119	17.988	17.993	(1.232)	16832	0.04000	0.04000
	100 ~ 1,2,3- Trimethylbenzene	105	18.037	18.042	(1.236)	12213	0.04000	0.04000
	101 ~ n-butylcyclohexane	83	18.080	18.085	(1.239)	14198	0.04000	0.000
	102 ~ Indane	117	18.301	18.306	(1.254)	14550	0.04000	0.04000
	103 1,2-Dichlorobenzene	146	18.306	18.317	(1.254)	10775	0.04000	0.000
	104 n-butylbenzene	91	18.463	18.463	(1.265)	13621	0.04000	0.000
	105 ~ Indene	116	18.452	18.452	(1.264)	11562	0.04000	0.000
	106 Undecane	57	18.797	18.802	(1.288)	7534	0.04000	0.000
	107 ~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.862	(1.292)	13489	0.04000	0.000
	108 ~ 1,2,4,5-tetramethylbenzene	119	19.261	19.266	(1.320)	12622	0.04000	0.000
	109 ~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	8427	0.04000	0.000
	110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	10740	0.04000	0.000

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb121.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
111 Dodecane	57	19.897	19.902	(1.363)	8453	0.04000	0.04000
112 1,2,4-Trichlorobenzene	180	20.070	20.069	(1.375)	7758	0.04000	0.04000
113 Napthalene	128	20.199	20.204	(1.384)	13594	0.04000	0.04000
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	8997	0.04000	0.04000
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	10382	0.04000	0.000
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	6245	0.04000	0.04000
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	4102	0.25000	0.000
118 ~ 1-Methylnaphthalene	142	21.472	21.471	(1.471)	3823	0.25000	0.000

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb121.d
Date : 12-FEB-2013 11:42
Client ID: 0.04PPB
Instrument: mg.i
Sample Info: ICAL1,,1,1,,0.04PPB
Purge Volume: 200.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G021213I.b/gicb122.d
Report Date: 13-Feb-2013 11:22

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb122.d
Lab Smp Id: ICAL2 Client Smp ID: 0.08PPB
Inj Date : 12-FEB-2013 12:33
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL2,,1,2,,0.08PPB
Misc Info : G021213I,TO15,allmdl.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 12:33 Cal File: gicb122.d
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	7.597	7.597	(1.000)	364875	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.662	9.668	(1.000)	1752319	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.596	14.602	(1.000)	1532667	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.289	16.295	(1.116)	1092755	4.00000	4.010
	5 Chlorodifluoromethane	67	3.450	3.450	(0.454)	2865	0.08000	0.07963
	6 Propene	41	3.456	3.456	(0.455)	11811	0.08000	0.000
	7 Dichlorodifluoromethane	85	3.493	3.493	(0.460)	29631	0.08000	0.08076
	8 Chloromethane	52	3.628	3.628	(0.478)	3864	0.08000	0.08000
	9 1,2-Dichlorotetrafluoroethane	135	3.628	3.628	(0.478)	20819	0.08000	0.07883
	10 Methanol	31	3.752	3.747	(0.494)	7408	0.08000	0.000
	11 ~ acetaldehyde	44	3.752	3.747	(0.494)	32637	0.40000	0.000
	12 Vinyl Chloride	62	3.752	3.752	(0.494)	8136	0.08000	0.07793
	13 n-Butane	43	3.812	3.806	(0.502)	14652	0.08000	0.08018
	14 1,3-Butadiene	54	3.812	3.811	(0.502)	7148	0.08000	0.07921
	15 Bromomethane	94	4.054	4.054	(0.534)	7892	0.08000	0.07502
	16 Chloroethane	64	4.151	4.157	(0.546)	3615	0.08000	0.08076

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb122.d
Report Date: 13-Feb-2013 11:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17	~ ethanol	31	4.270	4.264	(0.562)	14079	0.40000	0.4000
18	Vinyl Bromide	106	4.383	4.378	(0.577)	7845	0.08000	0.07662
19	2-methyl butane	43	4.399	4.399	(0.579)	8687	0.08000	0.07870
20	Trichlorofluoromethane	101	4.572	4.572	(0.602)	25194	0.08000	0.07794
21	Acrolein	56	4.615	4.604	(0.607)	3609	0.08000	0.000
22	Acetonitrile	40	4.680	4.680	(0.616)	3517	0.08000	0.000
23	Acetone	58	4.723	4.701	(0.622)	14636	0.08000	0.000
24	Isopropyl alcohol	45	4.793	4.782	(0.631)	11290	0.08000	0.000
25	Pentane	72	4.717	4.723	(0.621)	1369	0.08000	0.08000
26	Ethyl Ether	31	4.895	4.879	(0.644)	9392	0.08000	0.08314
27	1,1-Dichloroethene	96	5.122	5.122	(0.674)	9356	0.08000	0.07854
28	tert-butanol	59	5.273	5.246	(0.694)	13355	0.08000	0.08000
29	Acrylonitrile	53	5.251	5.251	(0.691)	6571	0.08000	0.08202
30	1,1,2-Trichlorotrifluoroethane	101	5.257	5.257	(0.692)	20130	0.08000	0.08048
31	Methylene Chloride	84	5.418	5.418	(0.713)	10341	0.08000	0.000
32	3-Chloropropene	39	5.418	5.418	(0.713)	8562	0.08000	0.08263
33	Carbon Disulfide	76	5.521	5.521	(0.727)	26645	0.08000	0.07755
34	trans-1,2-Dichloroethene	96	6.066	6.065	(0.798)	9749	0.08000	0.07557
35	~ 2-Methyl Pentane	43	6.044	6.044	(0.796)	25005	0.08000	0.08000
36	Methyl-t-Butyl Ether	73	6.217	6.184	(0.818)	22583	0.08000	0.08833
37	1,1-Dichloroethane	63	6.438	6.432	(0.847)	17230	0.08000	0.08156
38	Vinyl Acetate	43	6.551	6.551	(0.862)	24003	0.08000	0.08762
39	2-Butanone	72	6.988	6.950	(0.920)	5780	0.08000	0.000
40	Hexane	56	6.874	6.880	(0.905)	8842	0.08000	0.08124
41	cis 1,2-Dichloroethene	96	7.306	7.306	(0.962)	10123	0.08000	0.08042
42	Ethyl acetate	43	7.527	7.505	(0.991)	20454	0.08000	0.08000
43	Chloroform	83	7.608	7.608	(1.001)	19677	0.08000	0.08052
44	Tetrahydrofuran	42	8.061	7.996	(1.061)	11671	0.08000	0.08000
45	1,1,1-Trichloroethane	97	8.514	8.508	(1.121)	20096	0.08000	0.08104
46	1,2-Dichloroethane	62	8.638	8.638	(0.894)	13519	0.08000	0.08227
47	1-Butanol	31	9.209	9.150	(0.953)	2831	0.08000	0.000
48	Benzene	78	9.080	9.080	(0.940)	29464	0.08000	0.08034
49	Cyclohexane	69	9.021	9.021	(0.934)	4739	0.08000	0.08186
50	Carbon Tetrachloride	117	9.091	9.091	(0.941)	21397	0.08000	0.08228
51	~ 2,3-dimethylpentane	71	9.145	9.139	(0.946)	6310	0.08000	0.08382
52	~ Thiophene	84	9.355	9.355	(0.968)	15983	0.08000	0.08031
53	2,2,4-trimethylpentane	57	9.781	9.786	(1.012)	48843	0.08000	0.08182
54	Heptane	71	10.212	10.218	(1.057)	9786	0.08000	0.08315
55	1,2-Dichloropropane	63	10.342	10.342	(1.070)	10317	0.08000	0.08341
56	Trichloroethene	130	10.379	10.379	(1.074)	14474	0.08000	0.07864
57	Dibromomethane	93	10.487	10.493	(1.085)	11532	0.08000	0.08377
58	Bromodichloromethane	83	10.649	10.649	(1.102)	19278	0.08000	0.08426
59	1,4-dioxane	88	10.789	10.724	(1.117)	3047	0.08000	0.09367
60	Methyl Methacrylate	41	10.816	10.800	(1.119)	11407	0.08000	0.08000
61	~ methyl cyclohexane	83	11.140	11.134	(1.153)	17763	0.08000	0.08184
62	4-Methyl-2-pentanone	43	11.717	11.684	(1.213)	17234	0.08000	0.000
63	cis-1,3-Dichloropropene	75	11.722	11.722	(1.213)	12751	0.08000	0.08665

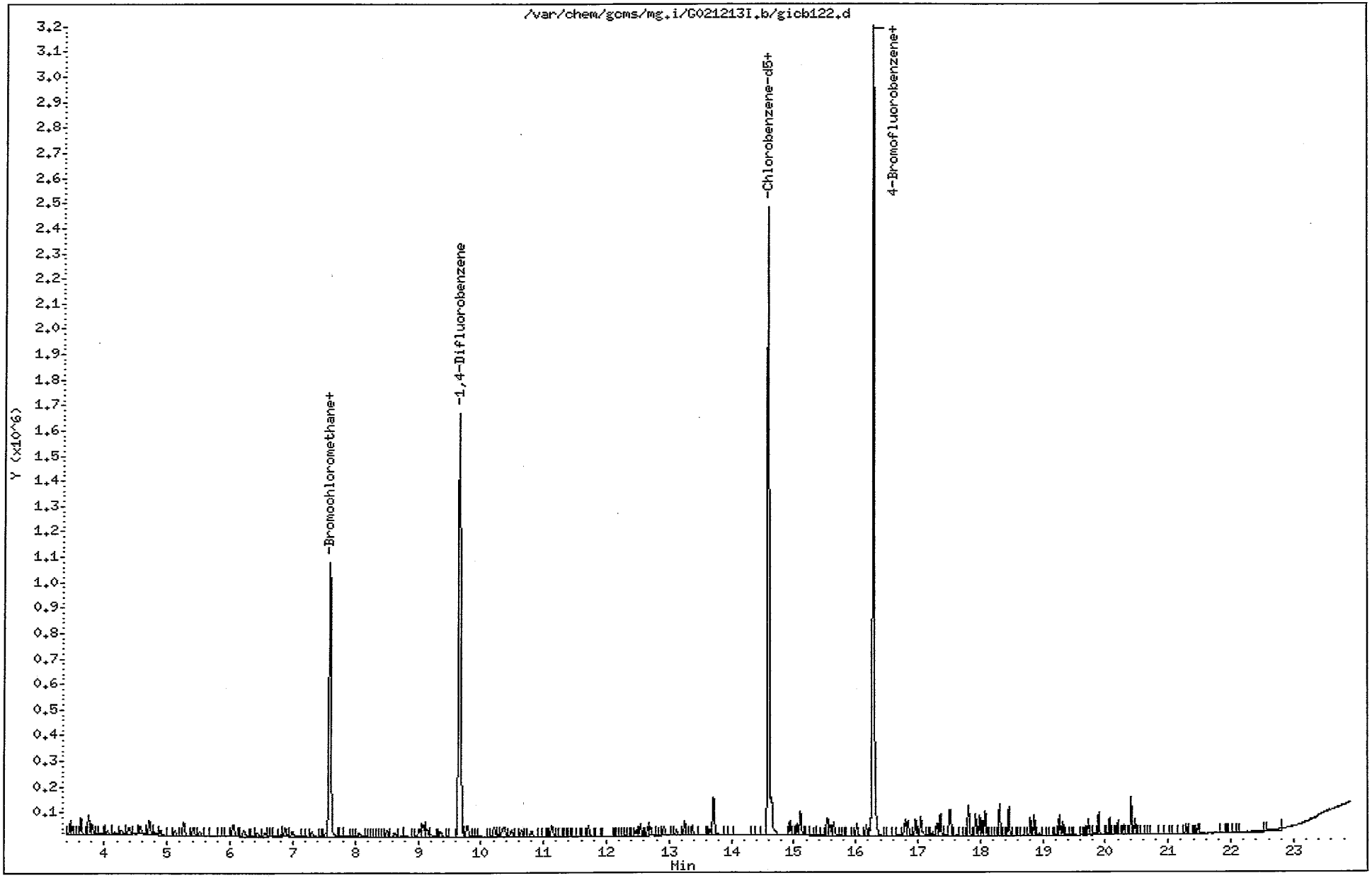
Data File: /var/chem/gcms/mg.i/G021213I.b/gicb122.d
Report Date: 13-Feb-2013 11:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
64	trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	11490	0.08000	0.08520
65	Toluene	91	12.542	12.547	(0.859)	33849	0.08000	0.08407
66	1,1,2-Trichloroethane	83	12.660	12.666	(0.867)	9376	0.08000	0.08562
67	~ 2-methyl thiophene	97	12.709	12.709	(0.871)	27463	0.08000	0.08337
68	~ 3-methyl thiophene	97	12.919	12.919	(0.885)	27617	0.08000	0.08541
69	2-Hexanone	58	13.119	13.092	(0.899)	7964	0.08000	0.08000
70	Octane	85	13.248	13.254	(0.908)	10753	0.08000	0.08362
71	Dibromochloromethane	129	13.372	13.378	(0.916)	17762	0.08000	0.08422
72	1,2-Dibromoethane	107	13.653	13.658	(0.935)	16278	0.08000	0.08517
73	Tetrachloroethene	129	13.717	13.723	(0.940)	12741	0.08000	0.08123
74	Chlorobenzene	112	14.645	14.650	(1.003)	26997	0.08000	0.08400
75	~ 2,3-dimethylheptane	43	14.650	14.650	(1.004)	33989	0.08000	0.08233
76	Ethylbenzene	91	14.941	14.941	(1.024)	40427	0.08000	0.08396
77	~ 2-ethyl thiophene	97	15.049	15.055	(1.031)	30129	0.08000	0.08646
78	m&p-Xylene	91	15.109	15.114	(1.035)	63092	0.16000	0.1730
79	Nonane	57	15.535	15.540	(1.064)	20874	0.08000	0.08000
80	Bromoform	173	15.567	15.572	(1.066)	14277	0.08000	0.08000
81	Styrene	104	15.594	15.599	(1.068)	19369	0.08000	0.08000
82	o-Xylene	91	15.642	15.648	(1.072)	32763	0.08000	0.08656
M 83	Xylene (total)	100				95855	0.24000	0.2595
84	1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.098)	23194	0.08000	0.08606
85	1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	7007	0.08000	0.08606
86	Cumene	105	16.246	16.252	(1.113)	46063	0.08000	0.08000
87	n-Propylbenzene	120	16.807	16.807	(1.151)	12293	0.08000	0.08000
88	2-chlorotoluene	126	16.845	16.850	(1.154)	12954	0.08000	0.08743
89	4-Ethyltoluene	105	16.964	16.969	(1.162)	42915	0.08000	0.08000
90	1,3,5-Trimethylbenzene	120	17.044	17.050	(1.168)	21735	0.08000	0.08000
91	Alpha-Methylstyrene	118	17.309	17.314	(1.186)	14908	0.08000	0.000
92	Decane	57	17.363	17.368	(1.190)	24538	0.08000	0.09298
93	tert-butylbenzene	119	17.503	17.508	(1.199)	42096	0.08000	0.08000
94	1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	36887	0.08000	0.09143
95	sec-butylbenzene	105	17.805	17.810	(1.220)	53788	0.08000	0.08000
96	1,3-Dichlorobenzene	146	17.816	17.821	(1.221)	25047	0.08000	0.08000
97	Benzyl Chloride	91	17.923	17.923	(1.228)	19982	0.08000	0.08000
98	1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	24169	0.08000	0.08000
99	p-Cymene	119	17.988	17.993	(1.232)	44121	0.08000	0.09256
100	~ 1,2,3- Trimethylbenzene	105	18.037	18.042	(1.236)	31958	0.08000	0.09249
101	~ n-butylcyclohexane	83	18.080	18.085	(1.239)	31732	0.08000	0.08000
102	~ Indane	117	18.301	18.306	(1.254)	35371	0.08000	0.08960
103	1,2-Dichlorobenzene	146	18.312	18.317	(1.255)	25373	0.08000	0.08000
104	n-butylbenzene	91	18.457	18.463	(1.264)	38164	0.08000	0.08000
105	~ Indene	116	18.446	18.452	(1.264)	30749	0.08000	0.08000
106	Undecane	57	18.797	18.802	(1.288)	17561	0.08000	0.08000
107	~ 1,2-dimethyl-4-ethylenzene	119	18.862	18.862	(1.292)	41024	0.08000	0.08000
108	~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.320)	36475	0.08000	0.08000
109	~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	23446	0.08000	0.08000
110	~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	27332	0.08000	0.08000

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb122.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
111 Dodecane	57	19.897	19.902	(1.363)	20676	0.08000	0.08985
112 1,2,4-Trichlorobenzene	180	20.070	20.069	(1.375)	17156	0.08000	0.08585
113 Napthalene	128	20.199	20.204	(1.384)	35800	0.08000	0.09274
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	25162	0.08000	0.09507
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	23186	0.08000	0.08000
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	16257	0.08000	0.09229
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	17825	0.50000	0.000
118 ~ 1-Methylnaphthalene	142	21.472	21.471	(1.471)	15241	0.50000	0.000

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb122.d
Date : 12-FEB-2013 12:33
Client ID: 0.08PPB
Instrument: mg.i
Sample Info: ICAL2,,1,2,,0.08PPB
Purge Volume: 200.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G021213I.b/gicb123.d
Report Date: 13-Feb-2013 11:22

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb123.d
Lab Smp Id: ICAL3 Client Smp ID: 0.16PPB
Inj Date : 12-FEB-2013 13:23
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL3,,1,3,,0.16PPB
Misc Info : G021213I,TO15,allmdl.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 13:23 Cal File: gicb123.d
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	7.597	7.597	(1.000)	348241	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.668	9.668	(1.000)	1563735	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.596	14.602	(1.000)	1376205	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.289	16.295	(1.116)	997716	4.00000	4.052
	5 Chlorodifluoromethane	67	3.450	3.450	(0.454)	5708	0.16000	0.1641
	6 Propene	41	3.461	3.456	(0.456)	19451	0.16000	0.1600
	7 Dichlorodifluoromethane	85	3.499	3.493	(0.461)	56360	0.16000	0.1606
	8 Chloromethane	52	3.634	3.628	(0.478)	6560	0.16000	0.1506
	9 1,2-Dichlorotetrafluoroethane	135	3.634	3.628	(0.478)	39698	0.16000	0.1583
	10 Methanol	31	3.752	3.747	(0.494)	10409	0.16000	0.000
	11 ~ acetaldehyde	44	3.752	3.747	(0.494)	69368	0.80000	0.000
	12 Vinyl Chloride	62	3.758	3.752	(0.495)	17000	0.16000	0.1669
	13 n-Butane	43	3.817	3.806	(0.502)	28336	0.16000	0.1616
	14 1,3-Butadiene	54	3.817	3.811	(0.502)	13648	0.16000	0.1590
	15 Bromomethane	94	4.060	4.054	(0.534)	15172	0.16000	0.1540
	16 Chloroethane	64	4.162	4.157	(0.548)	7218	0.16000	0.1658

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb123.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	4.270	4.264	(0.562)	28879	0.80000	0.8288
18 Vinyl Bromide	106	4.383	4.378	(0.577)	15785	0.16000	0.1610
19 2-methyl butane	43	4.405	4.399	(0.580)	16758	0.16000	0.1594
20 Trichlorofluoromethane	101	4.577	4.572	(0.602)	49773	0.16000	0.1609
21 Acrolein	56	4.610	4.604	(0.607)	5773	0.16000	0.1600
22 Acetonitrile	40	4.685	4.680	(0.617)	5902	0.16000	0.1600
23 Acetone	58	4.717	4.701	(0.621)	22479	0.16000	0.000
24 Isopropyl alcohol	45	4.793	4.782	(0.631)	18992	0.16000	0.000
25 Pentane	72	4.728	4.723	(0.622)	2638	0.16000	0.1608
26 Ethyl Ether	31	4.890	4.879	(0.644)	17687	0.16000	0.1627
27 1,1-Dichloroethene	96	5.122	5.122	(0.674)	18271	0.16000	0.1605
28 tert-butanol	59	5.273	5.246	(0.694)	27360	0.16000	0.1656
29 Acrylonitrile	53	5.251	5.251	(0.691)	13368	0.16000	0.1696
30 1,1,2-Trichlorotrifluoroethane	101	5.257	5.257	(0.692)	38636	0.16000	0.1612
31 Methylene Chloride	84	5.424	5.418	(0.714)	18444	0.16000	0.1600
32 3-Chloropropene	39	5.418	5.418	(0.713)	14744	0.16000	0.1526
33 Carbon Disulfide	76	5.526	5.521	(0.727)	50997	0.16000	0.1570
34 trans-1,2-Dichloroethene	96	6.071	6.065	(0.799)	19263	0.16000	0.1576
35 ~ 2-Methyl Pentane	43	6.049	6.044	(0.796)	48975	0.16000	0.1620
36 Methyl-t-Butyl Ether	73	6.217	6.184	(0.818)	43060	0.16000	0.1706
37 1,1-Dichloroethane	63	6.438	6.432	(0.847)	33847	0.16000	0.1652
38 Vinyl Acetate	43	6.556	6.551	(0.863)	42557	0.16000	0.1618
39 2-Butanone	72	6.988	6.950	(0.920)	9831	0.16000	0.1600
40 Hexane	56	6.885	6.880	(0.906)	16571	0.16000	0.1597
41 cis 1,2-Dichloroethene	96	7.311	7.306	(0.962)	19949	0.16000	0.1640
42 Ethyl acetate	43	7.527	7.505	(0.991)	36561	0.16000	0.1547
43 Chloroform	83	7.602	7.608	(1.001)	37988	0.16000	0.1619
44 Tetrahydrofuran	42	8.055	7.996	(1.060)	21108	0.16000	0.1557
45 1,1,1-Trichloroethane	97	8.514	8.508	(1.121)	40266	0.16000	0.1666
46 1,2-Dichloroethane	62	8.638	8.638	(0.893)	26560	0.16000	0.1735
47 1-Butanol	31	9.199	9.150	(0.951)	6387	0.16000	0.000
48 Benzene	78	9.080	9.080	(0.939)	56075	0.16000	0.1674
49 Cyclohexane	69	9.026	9.021	(0.934)	9092	0.16000	0.1703
50 Carbon Tetrachloride	117	9.091	9.091	(0.940)	30491	0.16000	0.1397
51 ~ 2,3-dimethylpentane	71	9.139	9.139	(0.945)	11889	0.16000	0.1709
52 ~ Thiophene	84	9.355	9.355	(0.968)	32071	0.16000	0.1732
53 2,2,4-trimethylpentane	57	9.786	9.786	(1.012)	96272	0.16000	0.1732
54 Heptane	71	10.212	10.218	(1.056)	19276	0.16000	0.1750
55 1,2-Dichloropropane	63	10.342	10.342	(1.070)	20350	0.16000	0.1754
56 Trichloroethene	130	10.379	10.379	(1.074)	28691	0.16000	0.1695
57 Dibromomethane	93	10.493	10.493	(1.085)	23003	0.16000	0.1772
58 Bromodichloromethane	83	10.654	10.649	(1.102)	37571	0.16000	0.1752
59 1,4-dioxane	88	10.784	10.724	(1.115)	6024	0.16000	0.1888
60 Methyl Methacrylate	41	10.816	10.800	(1.119)	22149	0.16000	0.1667
61 ~ methyl cyclohexane	83	11.134	11.134	(1.152)	34409	0.16000	0.1713
62 4-Methyl-2-pentanone	43	11.711	11.684	(1.211)	35068	0.16000	0.1600
63 cis-1,3-Dichloropropene	75	11.722	11.722	(1.212)	25258	0.16000	0.1802

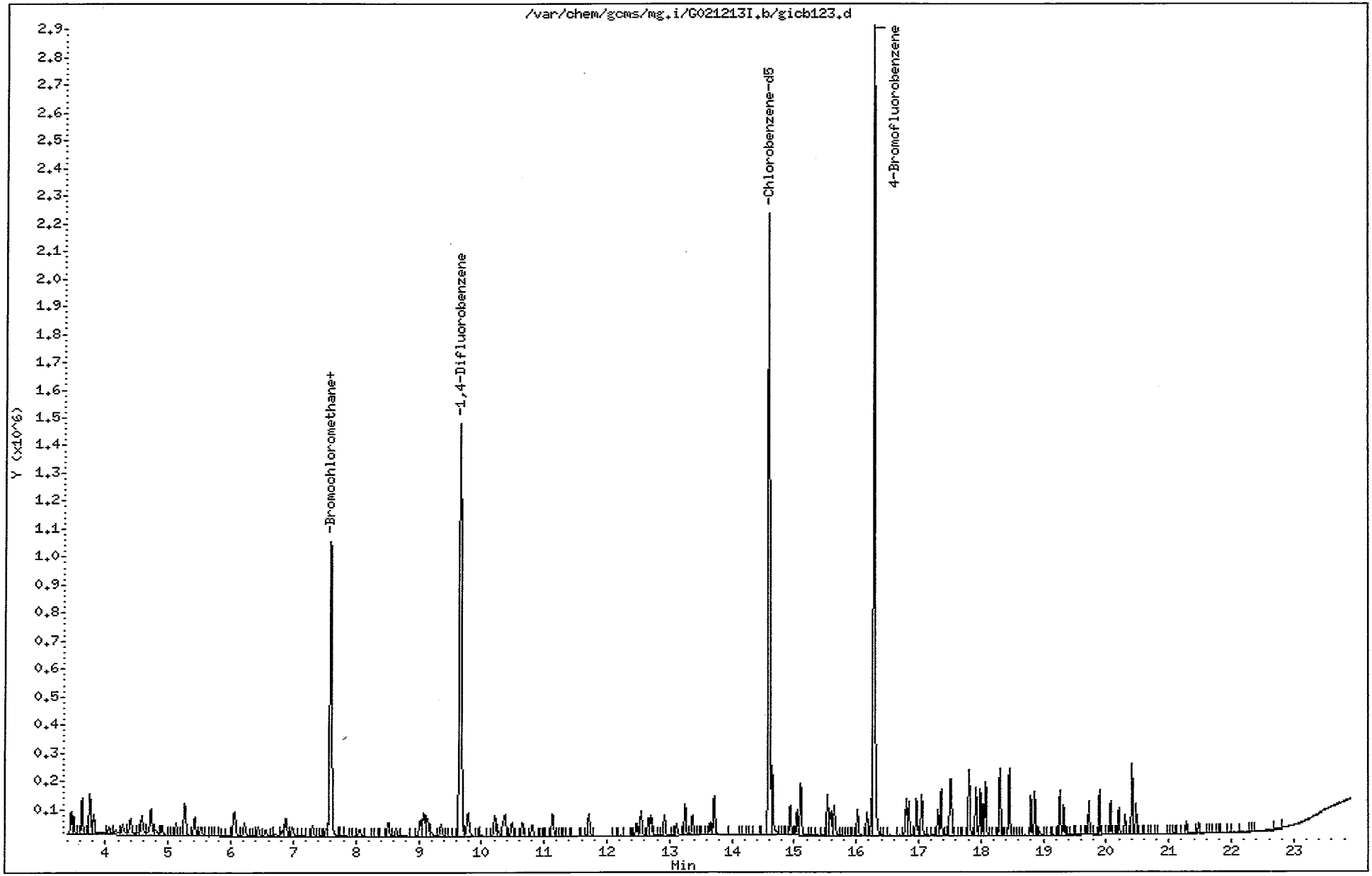
Data File: /var/chem/gcms/mg.i/G021213I.b/gicb123.d
Report Date: 13-Feb-2013 11:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
	64 trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	23674	0.16000	0.1820
	65 Toluene	91	12.542	12.547	(0.859)	65789	0.16000	0.1740
	66 1,1,2-Trichloroethane	83	12.666	12.666	(0.868)	18328	0.16000	0.1767
	67 ~ 2-methyl thiophene	97	12.709	12.709	(0.871)	55486	0.16000	0.1774
	68 ~ 3-methyl thiophene	97	12.919	12.919	(0.885)	54025	0.16000	0.1765
	69 2-Hexanone	58	13.113	13.092	(0.898)	15906	0.16000	0.1685
	70 Octane	85	13.254	13.254	(0.908)	21319	0.16000	0.1756
	71 Dibromochloromethane	129	13.372	13.378	(0.916)	33905	0.16000	0.1722
	72 1,2-Dibromoethane	107	13.653	13.658	(0.935)	32241	0.16000	0.1776
	73 Tetrachloroethene	129	13.717	13.723	(0.940)	25641	0.16000	0.1741
	74 Chlorobenzene	112	14.645	14.650	(1.003)	51888	0.16000	0.1727
	75 ~ 2,3-dimethylheptane	43	14.650	14.650	(1.004)	67441	0.16000	0.1740
	76 Ethylbenzene	91	14.941	14.941	(1.024)	80676	0.16000	0.1768
	77 ~ 2-ethyl thiophene	97	15.049	15.055	(1.031)	59050	0.16000	0.1781
	78 m&p-Xylene	91	15.109	15.114	(1.035)	124330	0.32000	0.3574
	79 Nonane	57	15.535	15.540	(1.064)	40979	0.16000	0.1671
	80 Bromoform	173	15.567	15.572	(1.066)	25861	0.16000	0.1607
	81 Styrene	104	15.594	15.599	(1.068)	41042	0.16000	0.1732
	82 o-Xylene	91	15.642	15.648	(1.072)	65410	0.16000	0.1803
M	83 Xylene (total)	100				189740	0.48000	0.5377
	84 1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.098)	45690	0.16000	0.1781
	85 1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	14064	0.16000	0.1802
	86 Cumene	105	16.246	16.252	(1.113)	90674	0.16000	0.1673
	87 n-Propylbenzene	120	16.802	16.807	(1.151)	24953	0.16000	0.1698
	88 2-chlorotoluene	126	16.845	16.850	(1.154)	25819	0.16000	0.1812
	89 4-Ethyltoluene	105	16.964	16.969	(1.162)	87253	0.16000	0.1699
	90 1,3,5-Trimethylbenzene	120	17.050	17.050	(1.168)	43310	0.16000	0.1683
	91 Alpha-Methylstyrene	118	17.309	17.314	(1.186)	30036	0.16000	0.1600
	92 Decane	57	17.363	17.368	(1.190)	50076	0.16000	0.1909
	93 tert-butylbenzene	119	17.503	17.508	(1.199)	81335	0.16000	0.1658
	94 1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	74722	0.16000	0.1881
	95 sec-butylbenzene	105	17.805	17.810	(1.220)	108053	0.16000	0.1690
	96 1,3-Dichlorobenzene	146	17.816	17.821	(1.221)	50490	0.16000	0.1692
	97 Benzyl Chloride	91	17.923	17.923	(1.228)	41521	0.16000	0.1716
	98 1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	47974	0.16000	0.1680
	99 p-Cymene	119	17.988	17.993	(1.232)	90537	0.16000	0.1910
	100 ~ 1,2,3- Trimethylbenzene	105	18.037	18.042	(1.236)	64171	0.16000	0.1884
	101 ~ n-butylcyclohexane	83	18.080	18.085	(1.239)	63753	0.16000	0.1690
	102 ~ Indane	117	18.301	18.306	(1.254)	71329	0.16000	0.1853
	103 1,2-Dichlorobenzene	146	18.312	18.317	(1.255)	49723	0.16000	0.1670
	104 n-butylbenzene	91	18.457	18.463	(1.264)	77870	0.16000	0.1702
	105 ~ Indene	116	18.446	18.452	(1.264)	64223	0.16000	0.1720
	106 Undecane	57	18.797	18.802	(1.288)	35779	0.16000	0.1701
	107 ~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.862	(1.292)	83382	0.16000	0.1699
	108 ~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.320)	75716	0.16000	0.1716
	109 ~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	48814	0.16000	0.1718
	110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	55287	0.16000	0.1695

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb123.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
111 Dodecane	57	19.897	19.902	(1.363)	37397	0.16000	0.1734
112 1,2,4-Trichlorobenzene	180	20.070	20.069	(1.375)	30178	0.16000	0.1654
113 Napthalene	128	20.199	20.204	(1.384)	64606	0.16000	0.1767
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	43707	0.16000	0.1752
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	40746	0.16000	0.1583
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	27669	0.16000	0.1696
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	19700	1.00000	1.000
118 ~ 1-Methylnaphthalene	142	21.472	21.471	(1.471)	15991	1.00000	1.000

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb123.d
Date : 12-FEB-2013 13:23
Client ID: 0.16PPB
Instrument: mg.i
Sample Info: ICAL3,,1,3,,0.16PPB
Purge Volume: 200.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G021213I.b/gicb124.d
Report Date: 13-Feb-2013 11:22

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb124.d
Lab Smp Id: ICAL4 Client Smp ID: 0.4PPB
Inj Date : 12-FEB-2013 14:13
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL4,,1,4,,0.4PPB
Misc Info : G021213I,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 14:13 Cal File: gicb124.d
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
* 1	Bromochloromethane	128	7.602	7.597	(1.000)	358361	4.00000	4.000
* 2	1,4-Difluorobenzene	114	9.668	9.668	(1.000)	1647221	4.00000	4.000
* 3	Chlorobenzene-d5	117	14.596	14.602	(1.000)	1408941	4.00000	4.000
$ 4	4-Bromofluorobenzene	95	16.290	16.295	(1.116)	1007749	4.00000	3.998
M 83	Xylene (total)	100				452535	1.20000	1.239
5	Chlorodifluoromethane	67	3.456	3.450	(0.455)	13414	0.40000	0.3808
6	Propene	41	3.456	3.456	(0.455)	45344	0.40000	0.3803
7	Dichlorodifluoromethane	85	3.493	3.493	(0.460)	136223	0.40000	0.3827
8	Chloromethane	52	3.634	3.628	(0.478)	13938	0.40000	0.3359
9	1,2-Dichlorotetrafluoroethane	135	3.634	3.628	(0.478)	101773	0.40000	0.3958
11	~ acetaldehyde	44	3.752	3.747	(0.494)	84026	2.00000	2.000
12	Vinyl Chloride	62	3.758	3.752	(0.494)	40150	0.40000	0.3872
13	n-Butane	43	3.812	3.806	(0.501)	66640	0.40000	0.3766
14	1,3-Butadiene	54	3.817	3.811	(0.502)	32135	0.40000	0.3722
15	Bromomethane	94	4.060	4.054	(0.534)	36702	0.40000	0.3707
16	Chloroethane	64	4.162	4.157	(0.547)	17491	0.40000	0.3929

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb124.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	4.270	4.264	(0.562)	59953	2.00000	1.769
18 Vinyl Bromide	106	4.389	4.378	(0.577)	37638	0.40000	0.3795
19 2-methyl butane	43	4.405	4.399	(0.579)	40951	0.40000	0.3836
20 Trichlorofluoromethane	101	4.577	4.572	(0.602)	123412	0.40000	0.3906
21 Acrolein	56	4.615	4.604	(0.607)	9261	0.40000	0.3072
22 Acetonitrile	40	4.685	4.680	(0.616)	12034	0.40000	0.3537
25 Pentane	72	4.728	4.723	(0.622)	6217	0.40000	0.3782
24 Isopropyl alcohol	45	4.793	4.782	(0.630)	41562	0.40000	0.4000
26 Ethyl Ether	31	4.895	4.879	(0.644)	41989	0.40000	0.3812
27 1,1-Dichloroethene	96	5.127	5.122	(0.674)	44626	0.40000	0.3855
29 Acrylonitrile	53	5.262	5.251	(0.692)	31030	0.40000	0.3868
30 1,1,2-Trichlorotrifluoroethane	101	5.262	5.257	(0.692)	93994	0.40000	0.3857
28 tert-butanol	59	5.262	5.246	(0.692)	63234	0.40000	0.3809
31 Methylene Chloride	84	5.429	5.418	(0.714)	41621	0.40000	0.3738
32 3-Chloropropene	39	5.424	5.418	(0.713)	36573	0.40000	0.3753
33 Carbon Disulfide	76	5.526	5.521	(0.727)	129438	0.40000	0.3903
35 ~ 2-Methyl Pentane	43	6.049	6.044	(0.796)	115921	0.40000	0.3814
34 trans-1,2-Dichloroethene	96	6.071	6.065	(0.799)	47637	0.40000	0.3839
36 Methyl-t-Butyl Ether	73	6.211	6.184	(0.817)	100779	0.40000	0.3910
37 1,1-Dichloroethane	63	6.438	6.432	(0.847)	82695	0.40000	0.3941
38 Vinyl Acetate	43	6.556	6.551	(0.862)	100429	0.40000	0.3779
39 2-Butanone	72	6.977	6.950	(0.918)	17827	0.40000	0.3308
40 Hexane	56	6.885	6.880	(0.906)	38989	0.40000	0.3732
41 cis 1,2-Dichloroethene	96	7.311	7.306	(0.962)	48026	0.40000	0.3876
42 Ethyl acetate	43	7.527	7.505	(0.990)	84989	0.40000	0.3649
43 Chloroform	83	7.613	7.608	(1.001)	93361	0.40000	0.3899
44 Tetrahydrofuran	42	8.045	7.996	(1.058)	48049	0.40000	0.3611
45 1,1,1-Trichloroethane	97	8.514	8.508	(1.120)	98266	0.40000	0.3964
46 1,2-Dichloroethane	62	8.643	8.638	(0.894)	63559	0.40000	0.3956
49 Cyclohexane	69	9.026	9.021	(0.934)	21678	0.40000	0.3890
48 Benzene	78	9.080	9.080	(0.939)	133895	0.40000	0.3844
50 Carbon Tetrachloride	117	9.096	9.091	(0.941)	77507	0.40000	0.3510
51 ~ 2,3-dimethylpentane	71	9.145	9.139	(0.946)	29528	0.40000	0.4023
47 1-Butanol	31	9.193	9.150	(0.951)	14347	0.40000	0.4000
52 ~ Thiophene	84	9.360	9.355	(0.968)	79437	0.40000	0.4053
53 2,2,4-trimethylpentane	57	9.786	9.786	(1.012)	231493	0.40000	0.3966
54 Heptane	71	10.218	10.218	(1.057)	47504	0.40000	0.4069
55 1,2-Dichloropropane	63	10.347	10.342	(1.070)	48922	0.40000	0.4003
56 Trichloroethene	130	10.385	10.379	(1.074)	72257	0.40000	0.4039
180 ~ 2-nitropropane	43	10.768	10.724	(1.114)	6669	0.32000	0.000
57 Dibromomethane	93	10.493	10.493	(1.085)	54531	0.40000	0.3991
58 Bromodichloromethane	83	10.655	10.649	(1.102)	95385	0.40000	0.4165
60 Methyl Methacrylate	41	10.811	10.800	(1.118)	49269	0.40000	0.3667
59 1,4-dioxane	88	10.773	10.724	(1.114)	13218	0.40000	0.3950
61 ~ methyl cyclohexane	83	11.134	11.134	(1.152)	83800	0.40000	0.3971
63 cis-1,3-Dichloropropene	75	11.722	11.722	(1.212)	63450	0.40000	0.4219
62 4-Methyl-2-pentanone	43	11.706	11.684	(1.211)	81218	0.40000	0.3743

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb124.d
Report Date: 13-Feb-2013 11:22

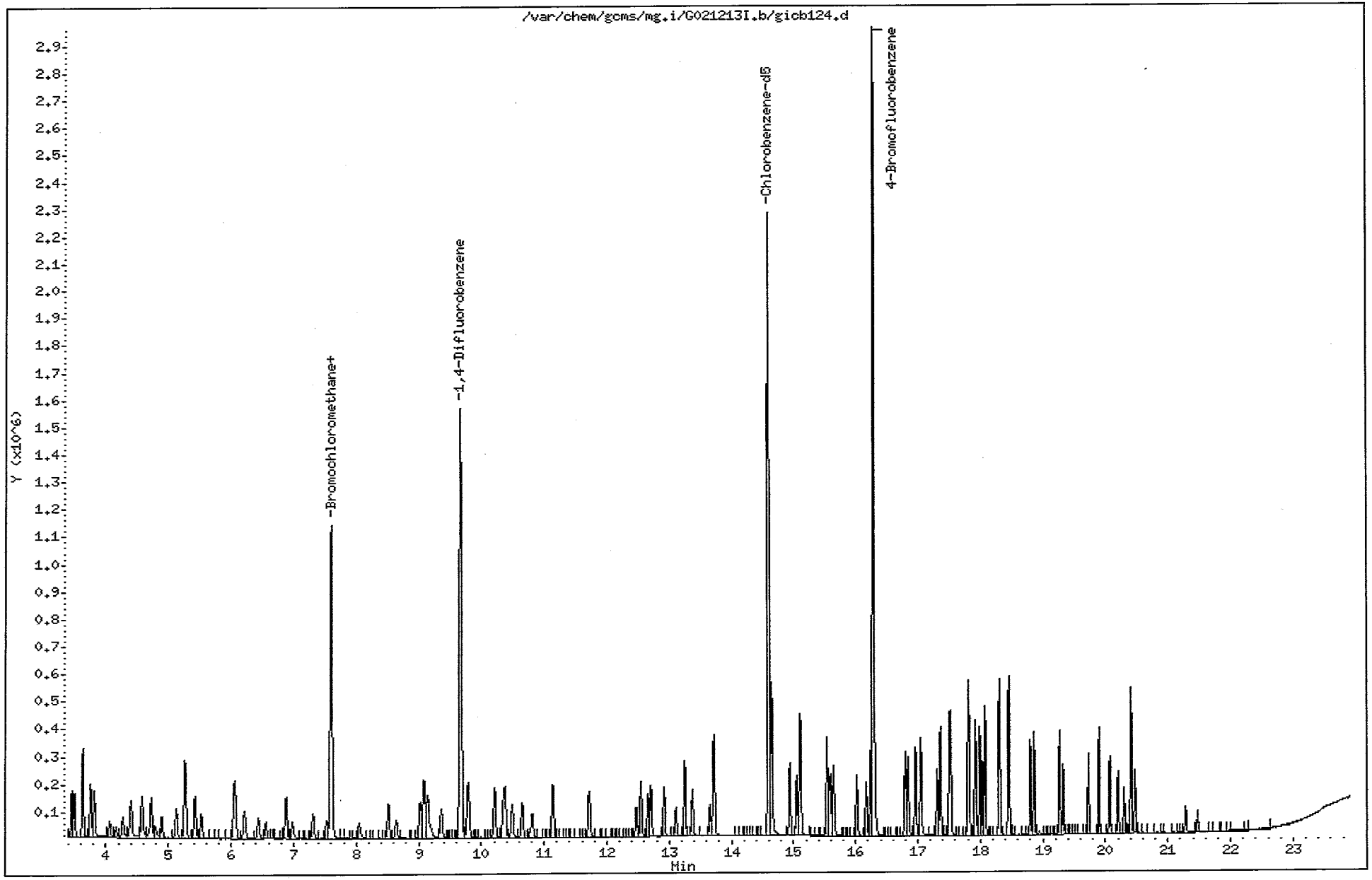
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
64	trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	58173	0.40000	0.4271
65	Toluene	91	12.542	12.547	(0.859)	157405	0.40000	0.4050
66	1,1,2-Trichloroethane	83	12.666	12.666	(0.868)	45095	0.40000	0.4182
67	~ 2-methyl thiophene	97	12.709	12.709	(0.871)	136946	0.40000	0.4204
68	~ 3-methyl thiophene	97	12.919	12.919	(0.885)	135265	0.40000	0.4232
69	2-Hexanone	58	13.108	13.092	(0.898)	38432	0.40000	0.3984
70	Octane	85	13.254	13.254	(0.908)	52715	0.40000	0.4178
71	Dibromochloromethane	129	13.372	13.378	(0.916)	90303	0.40000	0.4350
72	1,2-Dibromoethane	107	13.653	13.658	(0.935)	81372	0.40000	0.4276
73	Tetrachloroethene	129	13.717	13.723	(0.940)	61446	0.40000	0.4055
75	~ 2,3-dimethylheptane	43	14.650	14.650	(1.004)	165505	0.40000	0.4126
74	Chlorobenzene	112	14.645	14.650	(1.003)	128235	0.40000	0.4125
76	Ethylbenzene	91	14.941	14.941	(1.024)	194128	0.40000	0.4116
77	~ 2-ethyl thiophene	97	15.049	15.055	(1.031)	143723	0.40000	0.4172
78	m&p-Xylene	91	15.109	15.114	(1.035)	295863	0.80000	0.8229
79	Nonane	57	15.540	15.540	(1.065)	101666	0.40000	0.4033
80	Bromoform	173	15.567	15.572	(1.066)	73097	0.40000	0.4281
81	Styrene	104	15.594	15.599	(1.068)	108651	0.40000	0.4307
82	o-Xylene	91	15.642	15.648	(1.072)	156672	0.40000	0.4161
84	1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.098)	109975	0.40000	0.4139
85	1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	33168	0.40000	0.4112
86	Cumene	105	16.246	16.252	(1.113)	215333	0.40000	0.3920
87	n-Propylbenzene	120	16.802	16.807	(1.151)	59201	0.40000	0.3956
88	2-chlorotoluene	126	16.845	16.850	(1.154)	60734	0.40000	0.4121
89	4-Ethyltoluene	105	16.964	16.969	(1.162)	210834	0.40000	0.4007
90	1,3,5-Trimethylbenzene	120	17.044	17.050	(1.168)	104115	0.40000	0.3968
91	Alpha-Methylstyrene	118	17.309	17.314	(1.186)	77649	0.40000	0.4020
92	Decane	57	17.363	17.368	(1.190)	121315	0.40000	0.4376
93	tert-butylbenzene	119	17.503	17.508	(1.199)	194910	0.40000	0.3920
94	1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	178308	0.40000	0.4282
95	sec-butylbenzene	105	17.805	17.810	(1.220)	256790	0.40000	0.3948
96	1,3-Dichlorobenzene	146	17.816	17.821	(1.221)	125556	0.40000	0.4073
97	Benzyl Chloride	91	17.923	17.923	(1.228)	110062	0.40000	0.4286
98	1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	118427	0.40000	0.4034
99	p-Cymene	119	17.988	17.993	(1.232)	215388	0.40000	0.4320
100	~ 1,2,3- Trimethylbenzene	105	18.037	18.042	(1.236)	152508	0.40000	0.4274
101	~ n-butylcyclohexane	83	18.080	18.085	(1.239)	153175	0.40000	0.3977
102	~ Indane	117	18.301	18.306	(1.254)	170423	0.40000	0.4239
103	1,2-Dichlorobenzene	146	18.306	18.317	(1.254)	121518	0.40000	0.3991
104	n-butylbenzene	91	18.457	18.463	(1.264)	188159	0.40000	0.4011
105	~ Indene	116	18.447	18.452	(1.264)	160247	0.40000	0.4127
106	Undecane	57	18.797	18.802	(1.288)	90847	0.40000	0.4143
107	~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.862	(1.292)	196934	0.40000	0.3946
108	~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.320)	180202	0.40000	0.3992
109	~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	114640	0.40000	0.3960
110	~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	133178	0.40000	0.3992
111	Dodecane	57	19.897	19.902	(1.363)	91485	0.40000	0.4107

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb124.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
112 1,2,4-Trichlorobenzene	180	20.070	20.069	(1.375)	72364	0.40000	0.3904
113 Napthalene	128	20.199	20.204	(1.384)	152471	0.40000	0.4054
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	105846	0.40000	0.4107
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	91650	0.40000	0.3636
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	61700	0.40000	0.3767
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	41088	2.50000	2.245
118 ~ 1-Methylnaphthalene	142	21.472	21.471	(1.471)	31754	2.50000	2.184

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb124.d
Date : 12-FEB-2013 14:13
Client ID: 0.4PPB
Sample Info: ICAL4,,1,4,,0.4PPB
Purge Volume: 200.0
Column phase: Rtx-5

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



Data File: /var/chem/gcms/mg.i/G021213I.b/gicb125.d
Report Date: 13-Feb-2013 11:22

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb125.d
Lab Smp Id: ICAL5 Client Smp ID: 1.0PPB
Inj Date : 12-FEB-2013 15:03
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL5,,1,5,,1.0PPB
Misc Info : G021213I,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 15:03 Cal File: gicb125.d
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1	Bromochloromethane	128	7.602	7.597	(1.000)	344612	4.00000	4.000
* 2	1,4-Difluorobenzene	114	9.668	9.668	(1.000)	1572280	4.00000	4.000
* 3	Chlorobenzene-d5	117	14.596	14.602	(1.000)	1371081	4.00000	4.000
$ 4	4-Bromofluorobenzene	95	16.290	16.295	(1.116)	1000623	4.00000	4.063
M 83	Xylene (total)	100				1163811	3.00000	3.216
5	Chlorodifluoromethane	67	3.456	3.450	(0.455)	34003	1.00000	1.003
6	Propene	41	3.461	3.456	(0.455)	108881	1.00000	0.9658
7	Dichlorodifluoromethane	85	3.499	3.493	(0.460)	339127	1.00000	0.9926
8	Chloromethane	52	3.634	3.628	(0.478)	34425	1.00000	0.8934
9	1,2-Dichlorotetrafluoroethane	135	3.634	3.628	(0.478)	253186	1.00000	1.019
11	~ acetaldehyde	44	3.752	3.747	(0.494)	181201	5.00000	4.728
12	Vinyl Chloride	62	3.758	3.752	(0.494)	103067	1.00000	1.027
13	n-Butane	43	3.817	3.806	(0.502)	168707	1.00000	0.9932
14	1,3-Butadiene	54	3.817	3.811	(0.502)	82462	1.00000	0.9945
15	Bromomethane	94	4.060	4.054	(0.534)	92702	1.00000	0.9789
16	Chloroethane	64	4.162	4.157	(0.547)	45325	1.00000	1.046

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb125.d
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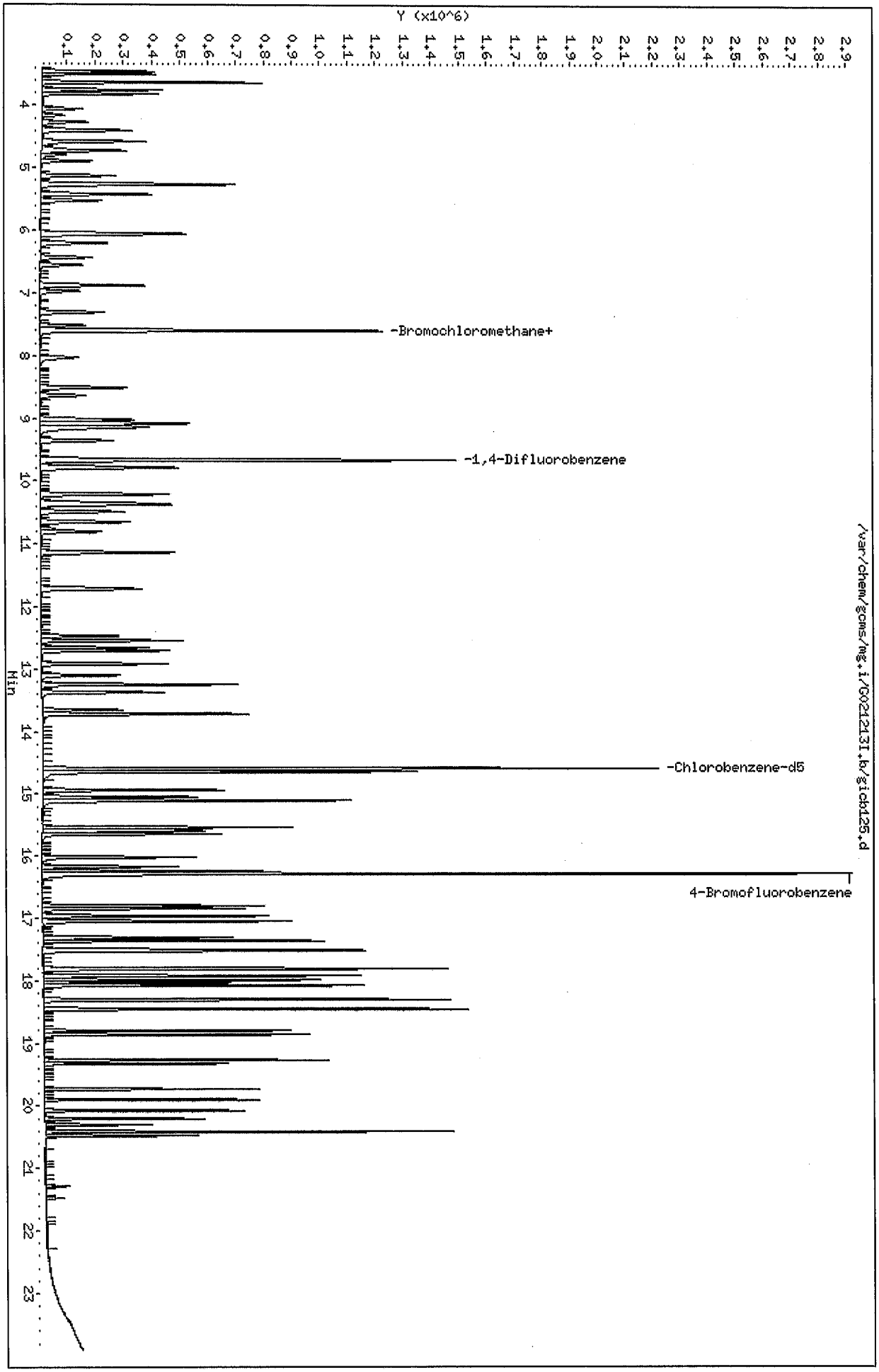
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	4.265	4.264	(0.561)	144986	5.00000	4.574
18 Vinyl Bromide	106	4.383	4.378	(0.577)	96872	1.00000	1.012
19 2-methyl butane	43	4.405	4.399	(0.579)	102947	1.00000	1.002
20 Trichlorofluoromethane	101	4.577	4.572	(0.602)	313482	1.00000	1.025
21 Acrolein	56	4.615	4.604	(0.607)	20601	1.00000	0.7866
22 Acetonitrile	40	4.685	4.680	(0.616)	30396	1.00000	0.9516
25 Pentane	72	4.728	4.723	(0.622)	15200	1.00000	0.9709
23 Acetone	58	4.712	4.701	(0.620)	36573	1.00000	1.000
24 Isopropyl alcohol	45	4.788	4.782	(0.630)	103811	1.00000	1.019
26 Ethyl Ether	31	4.890	4.879	(0.643)	100935	1.00000	0.9619
27 1,1-Dichloroethene	96	5.127	5.122	(0.674)	114774	1.00000	1.025
29 Acrylonitrile	53	5.257	5.251	(0.691)	74990	1.00000	0.9775
30 1,1,2-Trichlorotrifluoroethane	101	5.262	5.257	(0.692)	235887	1.00000	1.005
28 tert-butanol	59	5.251	5.246	(0.691)	160947	1.00000	1.006
31 Methylene Chloride	84	5.424	5.418	(0.713)	102731	1.00000	0.9726
32 3-Chloropropene	39	5.424	5.418	(0.713)	97013	1.00000	1.028
33 Carbon Disulfide	76	5.526	5.521	(0.727)	328927	1.00000	1.025
35 ~ 2-Methyl Pentane	43	6.049	6.044	(0.796)	293807	1.00000	1.004
34 trans-1,2-Dichloroethene	96	6.071	6.065	(0.799)	118677	1.00000	0.9956
36 Methyl-t-Butyl Ether	73	6.200	6.184	(0.816)	255510	1.00000	1.024
37 1,1-Dichloroethane	63	6.438	6.432	(0.847)	210779	1.00000	1.035
38 Vinyl Acetate	43	6.556	6.551	(0.862)	259683	1.00000	1.013
39 2-Butanone	72	6.972	6.950	(0.917)	43535	1.00000	0.8873
40 Hexane	56	6.885	6.880	(0.906)	98475	1.00000	0.9842
41 cis 1,2-Dichloroethene	96	7.311	7.306	(0.962)	121662	1.00000	1.017
42 Ethyl acetate	43	7.516	7.505	(0.989)	213286	1.00000	0.9638
43 Chloroform	83	7.608	7.608	(1.001)	236581	1.00000	1.022
44 Tetrahydrofuran	42	8.028	7.996	(1.056)	121262	1.00000	0.9603
45 1,1,1-Trichloroethane	97	8.514	8.508	(1.120)	253178	1.00000	1.049
46 1,2-Dichloroethane	62	8.643	8.638	(0.894)	159289	1.00000	1.031
49 Cyclohexane	69	9.026	9.021	(0.934)	54437	1.00000	1.019
48 Benzene	78	9.080	9.080	(0.939)	331023	1.00000	0.9964
50 Carbon Tetrachloride	117	9.096	9.091	(0.941)	216308	1.00000	1.021
51 ~ 2,3-dimethylpentane	71	9.145	9.139	(0.946)	73437	1.00000	1.038
47 1-Butanol	31	9.177	9.150	(0.949)	33934	1.00000	0.9956
52 ~ Thiophene	84	9.355	9.355	(0.968)	203536	1.00000	1.069
53 2,2,4-trimethylpentane	57	9.786	9.786	(1.012)	586419	1.00000	1.042
54 Heptane	71	10.218	10.218	(1.057)	119243	1.00000	1.055
55 1,2-Dichloropropane	63	10.347	10.342	(1.070)	122678	1.00000	1.041
56 Trichloroethene	130	10.380	10.379	(1.074)	183290	1.00000	1.058
180 ~ 2-nitropropane	43	10.752	10.724	(1.112)	9319	1.00000	0.000
57 Dibromomethane	93	10.493	10.493	(1.085)	136243	1.00000	1.035
58 Bromodichloromethane	83	10.649	10.649	(1.101)	244558	1.00000	1.093
60 Methyl Methacrylate	41	10.811	10.800	(1.118)	128153	1.00000	0.9995
59 1,4-dioxane	88	10.757	10.724	(1.113)	34622	1.00000	1.066
61 ~ methyl cyclohexane	83	11.134	11.134	(1.152)	214144	1.00000	1.050
63 cis-1,3-Dichloropropene	75	11.722	11.722	(1.212)	166329	1.00000	1.123

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb125.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
62 4-Methyl-2-pentanone	43	11.695	11.684	(1.210)	207826	1.00000	1.002
64 trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	155169	1.00000	1.132
65 Toluene	91	12.542	12.547	(0.859)	400267	1.00000	1.046
66 1,1,2-Trichloroethane	83	12.661	12.666	(0.867)	112619	1.00000	1.058
67 ~ 2-methyl thiophene	97	12.709	12.709	(0.871)	343190	1.00000	1.065
68 ~ 3-methyl thiophene	97	12.919	12.919	(0.885)	341043	1.00000	1.076
69 2-Hexanone	58	13.103	13.092	(0.898)	101511	1.00000	1.060
70 Octane	85	13.254	13.254	(0.908)	134808	1.00000	1.077
71 Dibromochloromethane	129	13.372	13.378	(0.916)	245415	1.00000	1.165
72 1,2-Dibromoethane	107	13.653	13.658	(0.935)	212738	1.00000	1.116
73 Tetrachloroethene	129	13.717	13.723	(0.940)	157034	1.00000	1.051
75 ~ 2,3-dimethylheptane	43	14.650	14.650	(1.004)	409635	1.00000	1.039
74 Chlorobenzene	112	14.645	14.650	(1.003)	322686	1.00000	1.053
76 Ethylbenzene	91	14.941	14.941	(1.024)	494835	1.00000	1.061
77 ~ 2-ethyl thiophene	97	15.049	15.055	(1.031)	376058	1.00000	1.095
78 m&p-Xylene	91	15.109	15.114	(1.035)	768139	2.00000	2.153
79 Nonane	57	15.540	15.540	(1.065)	263167	1.00000	1.054
80 Bromoform	173	15.567	15.572	(1.066)	219536	1.00000	1.223
81 Styrene	104	15.594	15.599	(1.068)	280770	1.00000	1.104
82 o-Xylene	91	15.642	15.648	(1.072)	395672	1.00000	1.063
84 1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.098)	284813	1.00000	1.080
85 1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	85665	1.00000	1.072
86 Cumene	105	16.246	16.252	(1.113)	553625	1.00000	1.026
87 n-Propylbenzene	120	16.802	16.807	(1.151)	158247	1.00000	1.064
88 2-chlorotoluene	126	16.845	16.850	(1.154)	160822	1.00000	1.095
89 4-Ethyltoluene	105	16.964	16.969	(1.162)	556054	1.00000	1.063
90 1,3,5-Trimethylbenzene	120	17.050	17.050	(1.168)	272037	1.00000	1.048
91 Alpha-Methylstyrene	118	17.309	17.314	(1.186)	229301	1.00000	1.136
92 Decane	57	17.363	17.368	(1.190)	317807	1.00000	1.138
93 tert-butylbenzene	119	17.503	17.508	(1.199)	509214	1.00000	1.039
94 1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	461971	1.00000	1.109
95 sec-butylbenzene	105	17.805	17.810	(1.220)	671019	1.00000	1.044
96 1,3-Dichlorobenzene	146	17.816	17.821	(1.221)	334992	1.00000	1.085
97 Benzyl Chloride	91	17.923	17.923	(1.228)	328381	1.00000	1.218
98 1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	319909	1.00000	1.087
99 p-Cymene	119	17.988	17.993	(1.232)	568513	1.00000	1.133
100 ~ 1,2,3- Trimethylbenzene	105	18.037	18.042	(1.236)	393642	1.00000	1.104
101 ~ n-butylcyclohexane	83	18.080	18.085	(1.239)	388557	1.00000	1.027
102 ~ Indane	117	18.301	18.306	(1.254)	449025	1.00000	1.115
103 1,2-Dichlorobenzene	146	18.312	18.317	(1.255)	319548	1.00000	1.058
104 n-butylbenzene	91	18.457	18.463	(1.264)	503400	1.00000	1.075
105 ~ Indene	116	18.447	18.452	(1.264)	431739	1.00000	1.103
106 Undecane	57	18.797	18.802	(1.288)	239305	1.00000	1.088
107 ~ 1,2-dimethyl-4-ethylenzene	119	18.862	18.862	(1.292)	518185	1.00000	1.049
108 ~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.320)	481500	1.00000	1.070
109 ~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	306255	1.00000	1.064
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	355259	1.00000	1.069

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb125.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
111 Dodecane	57	19.897	19.902	(1.363)	186204	1.00000	0.8838
112 1,2,4-Trichlorobenzene	180	20.070	20.069	(1.375)	189557	1.00000	1.040
113 Napthalene	128	20.199	20.204	(1.384)	385195	1.00000	1.042
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	248590	1.00000	0.9930
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	251124	1.00000	1.018
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	147559	1.00000	0.9397
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	39179	6.25000	2.806
118 ~ 1-Methylnaphthalene	142	21.477	21.471	(1.471)	27484	6.25000	2.522


Data File: /var/chem/gcms/mg.i/G021213I.b/gick125.d
Date : 12-FEB-2013 15:03
Client ID: 1.0PPB
Sample Info: ICAL5,1.5,1.0PPB
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene
/var/chem/gcms/mg.i/G021213I.b/gick125.d
Min

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb126.d
Report Date: 13-Feb-2013 11:22

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb126.d
Lab Smp Id: ICAL6 Client Smp ID: 2.0PPB
Inj Date : 12-FEB-2013 15:54
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL6,,1,6,,2.0PPB
Misc Info : G021213I,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 15:54 Cal File: gicb126.d
Als bottle: 12 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	7.602	7.597	(1.000)	396373	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.673	9.668	(1.000)	1918079	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.596	14.602	(1.000)	1701057	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.290	16.295	(1.116)	1214332	4.00000	3.979
M	83 Xylene (total)	100				2498648	6.00000	5.634
	5 Chlorodifluoromethane	67	3.456	3.450	(0.455)	66077	2.00000	1.739
	6 Propene	41	3.461	3.456	(0.455)	214530	2.00000	1.729
	7 Dichlorodifluoromethane	85	3.499	3.493	(0.460)	664802	2.00000	1.736
	8 Chloromethane	52	3.634	3.628	(0.478)	69182	2.00000	1.633
	9 1,2-Dichlorotetrafluoroethane	135	3.634	3.628	(0.478)	507466	2.00000	1.810
	10 Methanol	31	3.758	3.747	(0.494)	49360	2.00000	1.776
	11 ~ acetaldehyde	44	3.752	3.747	(0.494)	356125	10.0000	8.632
	12 Vinyl Chloride	62	3.758	3.752	(0.494)	203986	2.00000	1.802
	13 n-Butane	43	3.817	3.806	(0.502)	323389	2.00000	1.704
	14 1,3-Butadiene	54	3.822	3.811	(0.503)	163429	2.00000	1.756
	15 Bromomethane	94	4.065	4.054	(0.535)	187013	2.00000	1.758

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb126.d
Report Date: 13-Feb-2013 11:22

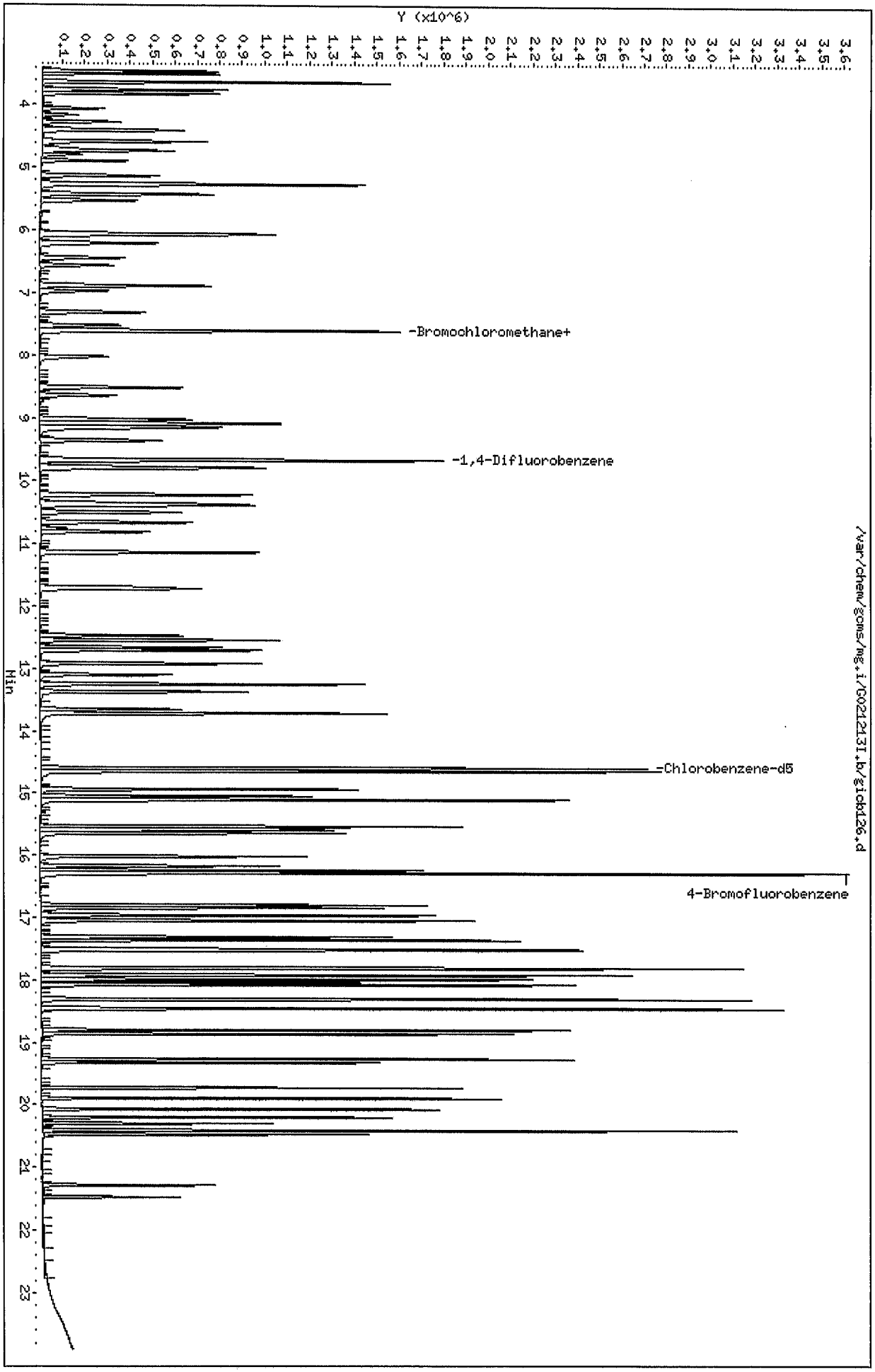
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	4.162	4.157	(0.547)	92688	2.00000	1.882
17 ~ ethanol	31	4.270	4.264	(0.562)	306370	10.0000	8.680
18 Vinyl Bromide	106	4.389	4.378	(0.577)	197530	2.00000	1.826
19 2-methyl butane	43	4.405	4.399	(0.579)	206499	2.00000	1.785
20 Trichlorofluoromethane	101	4.583	4.572	(0.603)	629721	2.00000	1.822
21 Acrolein	56	4.620	4.604	(0.608)	42985	2.00000	1.537
22 Acetonitrile	40	4.685	4.680	(0.616)	62957	2.00000	1.777
25 Pentane	72	4.728	4.723	(0.622)	31548	2.00000	1.796
23 Acetone	58	4.718	4.701	(0.621)	73040	2.00000	1.859
24 Isopropyl alcohol	45	4.788	4.782	(0.630)	217915	2.00000	1.904
26 Ethyl Ether	31	4.890	4.879	(0.643)	215096	2.00000	1.815
27 1,1-Dichloroethene	96	5.133	5.122	(0.675)	232433	2.00000	1.834
29 Acrylonitrile	53	5.257	5.251	(0.691)	164123	2.00000	1.882
30 1,1,2-Trichlorotrifluoroethane	101	5.262	5.257	(0.692)	484943	2.00000	1.828
28 tert-butanol	59	5.257	5.246	(0.691)	334946	2.00000	1.854
31 Methylene Chloride	84	5.429	5.418	(0.714)	204742	2.00000	1.754
32 3-Chloropropene	39	5.424	5.418	(0.713)	194313	2.00000	1.822
33 Carbon Disulfide	76	5.526	5.521	(0.727)	656178	2.00000	1.811
35 ~ 2-Methyl Pentane	43	6.055	6.044	(0.796)	598409	2.00000	1.818
34 trans-1,2-Dichloroethene	96	6.076	6.065	(0.799)	246921	2.00000	1.831
36 Methyl-t-Butyl Ether	73	6.200	6.184	(0.816)	549357	2.00000	1.929
37 1,1-Dichloroethane	63	6.443	6.432	(0.848)	435536	2.00000	1.882
38 Vinyl Acetate	43	6.556	6.551	(0.862)	569669	2.00000	1.943
39 2-Butanone	72	6.966	6.950	(0.916)	94713	2.00000	1.748
40 Hexane	56	6.885	6.880	(0.906)	202546	2.00000	1.796
41 cis 1,2-Dichloroethene	96	7.317	7.306	(0.962)	256365	2.00000	1.884
42 Ethyl acetate	43	7.516	7.505	(0.989)	472692	2.00000	1.884
43 Chloroform	83	7.613	7.608	(1.001)	490508	2.00000	1.867
44 Tetrahydrofuran	42	8.018	7.996	(1.055)	264274	2.00000	1.853
45 1,1,1-Trichloroethane	97	8.514	8.508	(1.120)	524424	2.00000	1.907
46 1,2-Dichloroethane	62	8.643	8.638	(0.894)	338879	2.00000	1.828
49 Cyclohexane	69	9.026	9.021	(0.933)	112945	2.00000	1.772
48 Benzene	78	9.085	9.080	(0.939)	679479	2.00000	1.723
50 Carbon Tetrachloride	117	9.096	9.091	(0.940)	421487	2.00000	1.682
51 ~ 2,3-dimethylpentane	71	9.150	9.139	(0.946)	151521	2.00000	1.792
47 1-Butanol	31	9.172	9.150	(0.948)	73979	2.00000	1.847
52 ~ Thiophene	84	9.360	9.355	(0.968)	426602	2.00000	1.862
53 2,2,4-trimethylpentane	57	9.792	9.786	(1.012)	1211328	2.00000	1.799
54 Heptane	71	10.218	10.218	(1.056)	249044	2.00000	1.836
55 1,2-Dichloropropane	63	10.347	10.342	(1.070)	261752	2.00000	1.848
56 Trichloroethene	130	10.385	10.379	(1.074)	383022	2.00000	1.841
180 ~ 2-nitropropane	43	10.741	10.724	(1.110)	21314	2.00000	0.000
57 Dibromomethane	93	10.493	10.493	(1.085)	287540	2.00000	1.823
58 Bromodichloromethane	83	10.655	10.649	(1.101)	518529	2.00000	1.916
60 Methyl Methacrylate	41	10.806	10.800	(1.117)	295570	2.00000	1.911
59 1,4-dioxane	88	10.746	10.724	(1.111)	77225	2.00000	1.957
61 ~ methyl cyclohexane	83	11.134	11.134	(1.151)	443240	2.00000	1.814

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb126.d
Report Date: 13-Feb-2013 11:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	11.722	11.722	(1.212)	365356	2.00000	2.018
62	4-Methyl-2-pentanone	43	11.690	11.684	(1.208)	440701	2.00000	1.800
64	trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	355736	2.00000	2.076
65	Toluene	91	12.542	12.547	(0.859)	851969	2.00000	1.826
66	1,1,2-Trichloroethane	83	12.661	12.666	(0.867)	239257	2.00000	1.840
67	~ 2-methyl thiophene	97	12.709	12.709	(0.871)	753038	2.00000	1.902
68	~ 3-methyl thiophene	97	12.919	12.919	(0.885)	742598	2.00000	1.906
69	2-Hexanone	58	13.097	13.092	(0.897)	215004	2.00000	1.844
70	Octane	85	13.254	13.254	(0.908)	284889	2.00000	1.860
71	Dibromochloromethane	129	13.372	13.378	(0.916)	535310	2.00000	2.040
72	1,2-Dibromoethane	107	13.653	13.658	(0.935)	458539	2.00000	1.948
73	Tetrachloroethene	129	13.723	13.723	(0.940)	336995	2.00000	1.846
75	~ 2,3-dimethylheptane	43	14.650	14.650	(1.004)	841548	2.00000	1.762
74	Chlorobenzene	112	14.645	14.650	(1.003)	695466	2.00000	1.855
76	Ethylbenzene	91	14.941	14.941	(1.024)	1073009	2.00000	1.878
77	~ 2-ethyl thiophene	97	15.049	15.055	(1.031)	822050	2.00000	1.941
78	m&p-Xylene	91	15.109	15.114	(1.035)	1650146	4.00000	3.771
79	Nonane	57	15.540	15.540	(1.065)	551090	2.00000	1.819
80	Bromoform	173	15.572	15.572	(1.067)	491313	2.00000	2.161
81	Styrene	104	15.594	15.599	(1.068)	625965	2.00000	1.987
82	o-Xylene	91	15.642	15.648	(1.072)	848502	2.00000	1.862
84	1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.098)	602676	2.00000	1.866
85	1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	185379	2.00000	1.890
86	Cumene	105	16.246	16.252	(1.113)	1203730	2.00000	1.836
87	n-Propylbenzene	120	16.802	16.807	(1.151)	348440	2.00000	1.909
88	2-chlorotoluene	126	16.845	16.850	(1.154)	342017	2.00000	1.896
89	4-Ethyltoluene	105	16.964	16.969	(1.162)	1168320	2.00000	1.837
90	1,3,5-Trimethylbenzene	120	17.050	17.050	(1.168)	592291	2.00000	1.870
91	Alpha-Methylstyrene	118	17.309	17.314	(1.186)	519371	2.00000	2.056
92	Decane	57	17.363	17.368	(1.190)	680377	2.00000	1.969
93	tert-butylbenzene	119	17.503	17.508	(1.199)	1087210	2.00000	1.827
94	1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	989466	2.00000	1.928
95	sec-butylbenzene	105	17.805	17.810	(1.220)	1437408	2.00000	1.839
96	1,3-Dichlorobenzene	146	17.816	17.821	(1.221)	733631	2.00000	1.932
97	Benzyl Chloride	91	17.923	17.923	(1.228)	762530	2.00000	2.218
98	1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	709386	2.00000	1.954
99	p-Cymene	119	17.988	17.993	(1.232)	1218568	2.00000	1.964
100	~ 1,2,3- Trimethylbenzene	105	18.042	18.042	(1.236)	829011	2.00000	1.894
101	~ n-butylcyclohexane	83	18.080	18.085	(1.239)	793858	2.00000	1.745
102	~ Indane	117	18.301	18.306	(1.254)	953875	2.00000	1.923
103	1,2-Dichlorobenzene	146	18.312	18.317	(1.255)	686452	2.00000	1.863
104	n-butylbenzene	91	18.457	18.463	(1.264)	1074876	2.00000	1.878
105	~ Indene	116	18.447	18.452	(1.264)	954919	2.00000	1.973
106	Undecane	57	18.797	18.802	(1.288)	638505	2.00000	2.264
107	~ 1,2-dimethyl-4-ethylenzene	119	18.862	18.862	(1.292)	1137098	2.00000	1.883
108	~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.320)	1122520	2.00000	2.009
109	~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	698921	2.00000	1.966

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb126.d
Report Date: 13-Feb-2013 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	857246	2.00000	2.063
111 Dodecane	57	19.897	19.902	(1.363)	499851	2.00000	1.926
112 1,2,4-Trichlorobenzene	180	20.070	20.069	(1.375)	474387	2.00000	2.081
113 Napthalene	128	20.199	20.204	(1.384)	1042442	2.00000	2.222
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	668750	2.00000	2.126
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	552710	2.00000	1.841
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	396793	2.00000	2.030
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	354073	12.5000	17.64
118 ~ 1-Methylnaphthalene	142	21.472	21.471	(1.471)	254612	12.5000	16.72


Data File: /var/chem/gcms/mg.i/G021213I.b/gicb126.d
Date : 12-FEB-2013 15:54
Client ID: 2.0PPB
Sample Info: ICAL6,,1.6,,2.0PPB
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
=Chlorobenzene-d5
4-Bromofluorobenzene
/var/chem/gcms/mg.i/G021213I.b/gicb126.d
Min

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb127.d
Report Date: 13-Feb-2013 11:23

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb127.d
Lab Smp Id: ICAL7 Client Smp ID: 4.0PPB
Inj Date : 12-FEB-2013 16:44
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL7,,1,7,,4.0PPB
Misc Info : G021213I,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 16:44 Cal File: gicb127.d
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	7.602	7.597	(1.000)	423394	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.668	9.668	(1.000)	1998929	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.596	14.602	(1.000)	1771074	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.290	16.295	(1.116)	1244754	4.00000	3.929
M	83 Xylene (total)	100				5204409	12.0000	11.37
	5 Chlorodifluoromethane	67	3.456	3.450	(0.455)	134701	4.00000	3.401
	6 Propene	41	3.461	3.456	(0.455)	431835	4.00000	3.384
	7 Dichlorodifluoromethane	85	3.499	3.493	(0.460)	1352281	4.00000	3.390
	8 Chloromethane	52	3.634	3.628	(0.478)	130476	4.00000	3.023
	9 1,2-Dichlorotetrafluoroethane	135	3.634	3.628	(0.478)	1053110	4.00000	3.578
	10 Methanol	31	3.752	3.747	(0.494)	92300	4.00000	3.358
	11 ~ acetaldehyde	44	3.752	3.747	(0.494)	701423	20.0000	16.77
	12 Vinyl Chloride	62	3.758	3.752	(0.494)	402849	4.00000	3.412
	13 n-Butane	43	3.817	3.806	(0.502)	637176	4.00000	3.243
	14 1,3-Butadiene	54	3.822	3.811	(0.503)	325377	4.00000	3.359
	15 Bromomethane	94	4.060	4.054	(0.534)	371133	4.00000	3.355

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb127.d
Report Date: 13-Feb-2013 11:23

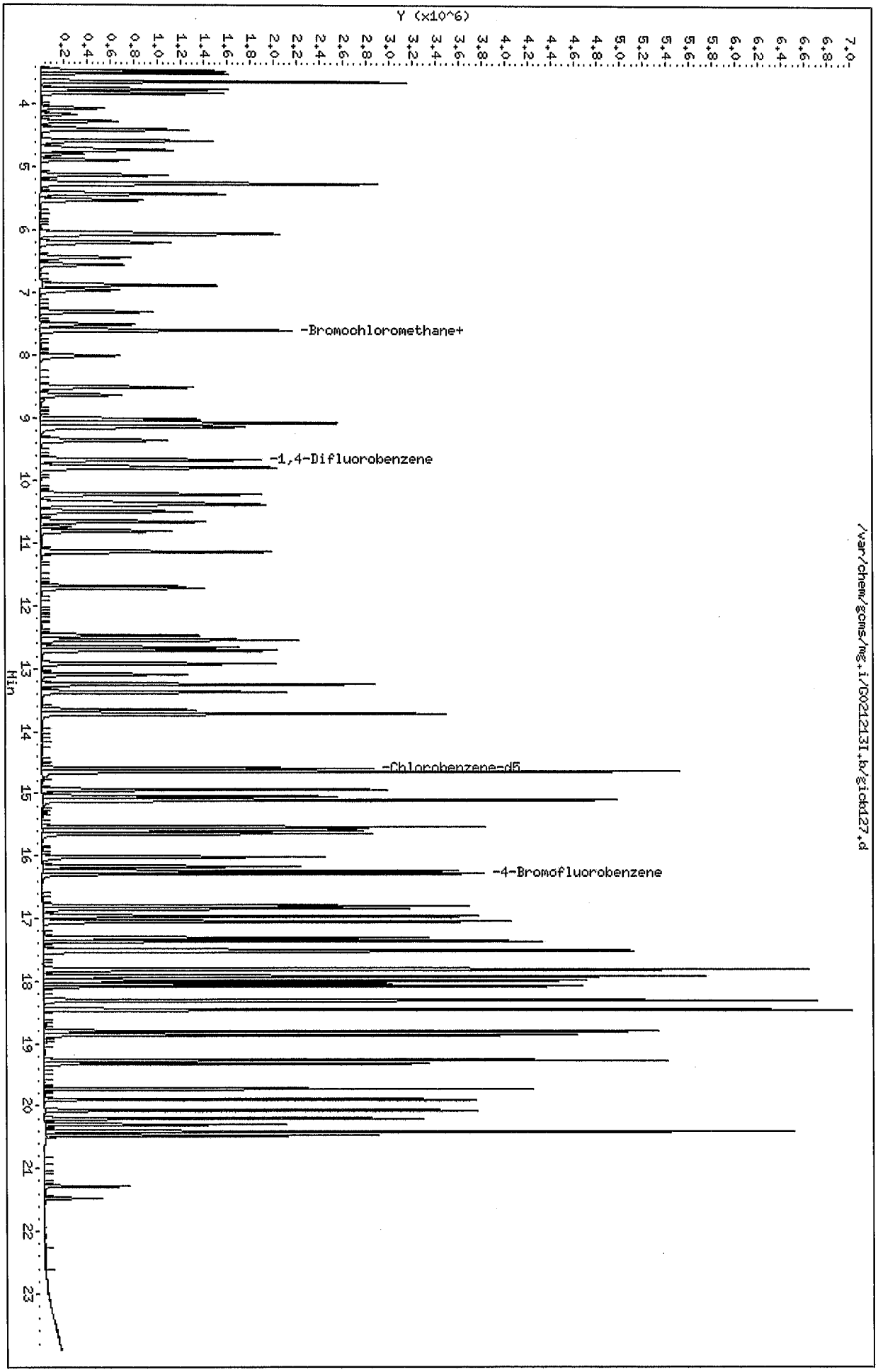
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	4.162	4.157	(0.547)	182681	4.00000	3.540
17 ~ ethanol	31	4.270	4.264	(0.562)	596870	20.0000	16.40
18 Vinyl Bromide	106	4.383	4.378	(0.577)	402691	4.00000	3.550
19 2-methyl butane	43	4.405	4.399	(0.579)	403480	4.00000	3.354
20 Trichlorofluoromethane	101	4.577	4.572	(0.602)	1282955	4.00000	3.542
21 Acrolein	56	4.615	4.604	(0.607)	80544	4.00000	2.884
22 Acetonitrile	40	4.685	4.680	(0.616)	132275	4.00000	3.586
25 Pentane	72	4.728	4.723	(0.622)	63823	4.00000	3.489
23 Acetone	58	4.712	4.701	(0.620)	154101	4.00000	3.775
24 Isopropyl alcohol	45	4.788	4.782	(0.630)	458683	4.00000	3.812
26 Ethyl Ether	31	4.885	4.879	(0.643)	421895	4.00000	3.414
27 1,1-Dichloroethene	96	5.127	5.122	(0.674)	476628	4.00000	3.582
29 Acrylonitrile	53	5.257	5.251	(0.691)	337566	4.00000	3.673
30 1,1,2-Trichlorotrifluoroethane	101	5.262	5.257	(0.692)	979346	4.00000	3.524
28 tert-butanol	59	5.251	5.246	(0.691)	702843	4.00000	3.697
31 Methylene Chloride	84	5.424	5.418	(0.713)	409225	4.00000	3.405
32 3-Chloropropene	39	5.424	5.418	(0.713)	407770	4.00000	3.634
33 Carbon Disulfide	76	5.526	5.521	(0.727)	1318309	4.00000	3.480
35 ~ 2-Methyl Pentane	43	6.049	6.044	(0.796)	1202477	4.00000	3.505
34 trans-1,2-Dichloroethene	96	6.071	6.065	(0.799)	498986	4.00000	3.532
36 Methyl-t-Butyl Ether	73	6.195	6.184	(0.815)	1180204	4.00000	3.896
37 1,1-Dichloroethane	63	6.438	6.432	(0.847)	878187	4.00000	3.610
38 Vinyl Acetate	43	6.556	6.551	(0.862)	1255637	4.00000	4.008
39 2-Butanone	72	6.961	6.950	(0.916)	212447	4.00000	3.733
40 Hexane	56	6.885	6.880	(0.906)	409649	4.00000	3.475
41 cis 1,2-Dichloroethene	96	7.311	7.306	(0.962)	519567	4.00000	3.630
42 Ethyl acetate	43	7.511	7.505	(0.988)	1058213	4.00000	3.957
43 Chloroform	83	7.613	7.608	(1.001)	994009	4.00000	3.600
44 Tetrahydrofuran	42	8.012	7.996	(1.054)	569236	4.00000	3.778
45 1,1,1-Trichloroethane	97	8.514	8.508	(1.120)	1081879	4.00000	3.724
46 1,2-Dichloroethane	62	8.643	8.638	(0.894)	683242	4.00000	3.596
49 Cyclohexane	69	9.026	9.021	(0.934)	228378	4.00000	3.508
48 Benzene	78	9.080	9.080	(0.939)	1372279	4.00000	3.420
50 Carbon Tetrachloride	117	9.091	9.091	(0.940)	1193598	4.00000	4.480
51 ~ 2,3-dimethylpentane	71	9.145	9.139	(0.946)	304647	4.00000	3.526
47 1-Butanol	31	9.161	9.150	(0.948)	151803	4.00000	3.721
52 ~ Thiophene	84	9.360	9.355	(0.968)	867279	4.00000	3.681
53 2,2,4-trimethylpentane	57	9.786	9.786	(1.012)	2440320	4.00000	3.544
54 Heptane	71	10.212	10.218	(1.056)	509367	4.00000	3.656
55 1,2-Dichloropropane	63	10.347	10.342	(1.070)	531101	4.00000	3.651
56 Trichloroethene	130	10.380	10.379	(1.074)	776010	4.00000	3.634
180 ~ 2-nitropropane	43	10.735	10.724	(1.110)	45677	4.00000	0.000
57 Dibromomethane	93	10.493	10.493	(1.085)	583757	4.00000	3.609
58 Bromodichloromethane	83	10.649	10.649	(1.101)	1089052	4.00000	3.880
60 Methyl Methacrylate	41	10.806	10.800	(1.118)	669877	4.00000	4.129
59 1,4-dioxane	88	10.735	10.724	(1.110)	159951	4.00000	3.905
61 ~ methyl cyclohexane	83	11.134	11.134	(1.152)	899422	4.00000	3.593

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb127.d
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	11.722	11.722	(1.212)	759958	4.00000	4.024
62	4-Methyl-2-pentanone	43	11.684	11.684	(1.209)	982398	4.00000	3.880
64	trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	766987	4.00000	4.253
65	Toluene	91	12.542	12.547	(0.859)	1790855	4.00000	3.728
66	1,1,2-Trichloroethane	83	12.661	12.666	(0.867)	496893	4.00000	3.714
67	~ 2-methyl thiophene	97	12.709	12.709	(0.871)	1570112	4.00000	3.835
68	~ 3-methyl thiophene	97	12.919	12.919	(0.885)	1548408	4.00000	3.842
69	2-Hexanone	58	13.097	13.092	(0.897)	464526	4.00000	3.855
70	Octane	85	13.254	13.254	(0.908)	577143	4.00000	3.669
71	Dibromochloromethane	129	13.372	13.378	(0.916)	1220786	4.00000	4.394
72	1,2-Dibromoethane	107	13.653	13.658	(0.935)	967555	4.00000	3.956
73	Tetrachloroethene	129	13.717	13.723	(0.940)	688920	4.00000	3.675
75	~ 2,3-dimethylheptane	43	14.650	14.650	(1.004)	1636529	4.00000	3.376
74	Chlorobenzene	112	14.645	14.650	(1.003)	1449467	4.00000	3.752
76	Ethylbenzene	91	14.941	14.941	(1.024)	2267445	4.00000	3.837
77	~ 2-ethyl thiophene	97	15.049	15.055	(1.031)	1746060	4.00000	3.965
78	m&p-Xylene	91	15.109	15.114	(1.035)	3438060	8.00000	7.608
79	Nonane	57	15.540	15.540	(1.065)	1126128	4.00000	3.635
80	Bromoform	173	15.572	15.572	(1.067)	1206606	4.00000	4.875
81	Styrene	104	15.594	15.599	(1.068)	1330910	4.00000	4.048
82	o-Xylene	91	15.643	15.648	(1.072)	1766349	4.00000	3.761
84	1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.098)	1249729	4.00000	3.754
85	1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	394806	4.00000	3.885
86	Cumene	105	16.246	16.252	(1.113)	2534173	4.00000	3.757
87	n-Propylbenzene	120	16.802	16.807	(1.151)	752957	4.00000	3.969
88	2-chlorotoluene	126	16.845	16.850	(1.154)	721105	4.00000	3.862
89	4-Ethyltoluene	105	16.964	16.969	(1.162)	2587994	4.00000	3.923
90	1,3,5-Trimethylbenzene	120	17.050	17.050	(1.168)	1270403	4.00000	3.875
91	Alpha-Methylstyrene	118	17.309	17.314	(1.186)	1111050	4.00000	4.177
92	Decane	57	17.363	17.368	(1.190)	1364685	4.00000	3.821
93	tert-butylbenzene	119	17.508	17.508	(1.199)	2345731	4.00000	3.819
94	1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	2085425	4.00000	3.917
95	sec-butylbenzene	105	17.805	17.810	(1.220)	3027792	4.00000	3.765
96	1,3-Dichlorobenzene	146	17.816	17.821	(1.221)	1553102	4.00000	3.940
97	Benzyl Chloride	91	17.923	17.923	(1.228)	1717216	4.00000	4.643
98	1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	1518426	4.00000	4.015
99	p-Cymene	119	17.988	17.993	(1.232)	2624573	4.00000	4.054
100	~ 1,2,3- Trimethylbenzene	105	18.042	18.042	(1.236)	1753064	4.00000	3.868
101	~ n-butylcyclohexane	83	18.080	18.085	(1.239)	1576494	4.00000	3.425
102	~ Indane	117	18.301	18.306	(1.254)	1994044	4.00000	3.881
103	1,2-Dichlorobenzene	146	18.312	18.317	(1.255)	1450240	4.00000	3.815
104	n-butylbenzene	91	18.457	18.463	(1.264)	2260374	4.00000	3.827
105	~ Indene	116	18.447	18.452	(1.264)	2017462	4.00000	4.004
106	Undecane	57	18.797	18.802	(1.288)	1483300	4.00000	4.839
107	~ 1,2-dimethyl-4-ethylenzene	119	18.862	18.862	(1.292)	2509269	4.00000	3.993
108	~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.320)	2541451	4.00000	4.303
109	~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	1562881	4.00000	4.183

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	19.725	19.730	(1.351)	1983803	4.00000	4.476
111 Dodecane	57	19.897	19.902	(1.363)	921275	4.00000	3.484
112 1,2,4-Trichlorobenzene	180	20.070	20.069	(1.375)	1011000	4.00000	4.221
113 Napthalene	128	20.199	20.204	(1.384)	2231675	4.00000	4.477
114 ~ benzo(b) thiophene	134	20.302	20.301	(1.391)	1377691	4.00000	4.176
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	1162002	4.00000	3.762
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	798565	4.00000	3.936
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	337299	25.0000	17.37
118 ~ 1-Methylnaphthalene	142	21.477	21.471	(1.471)	211656	25.0000	14.72


Data File: /var/chem/gcms/mg.i/G0212131.b/gick127.d
Date : 12-FEB-2013 16:44
Client ID: 4.0PPB
Sample Info: ICAL7,1.7,4.0PPB
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G0212131.b/gick127.d
Y (x10^6)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb128.d
Report Date: 13-Feb-2013 11:23

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb128.d
Lab Smp Id: ICAL8 Client Smp ID: 8.0PPB
Inj Date : 12-FEB-2013 17:34
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL8,,1,8,,8.0PPB
Misc Info : G021213I,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 17:34 Cal File: gicb128.d
Als bottle: 6 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	7.602	7.597	(1.000)	423845	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.668	9.668	(1.000)	1937568	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.602	14.602	(1.000)	1735557	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.289	16.295	(1.116)	1206223	4.00000	3.899
M	83 Xylene (total)	100				10259799	24.0000	23.00
	5 Chlorodifluoromethane	67	3.456	3.450	(0.455)	267847	8.00000	6.890
	6 Propene	41	3.461	3.456	(0.455)	840161	8.00000	6.778
	7 Dichlorodifluoromethane	85	3.499	3.493	(0.460)	2674246	8.00000	6.837
	8 Chloromethane	52	3.634	3.628	(0.478)	252589	8.00000	6.081
	9 1,2-Dichlorotetrafluoroethane	135	3.634	3.628	(0.478)	1928752	8.00000	6.698
	10 Methanol	31	3.747	3.747	(0.493)	167135	8.00000	6.463
	11 ~ acetaldehyde	44	3.752	3.747	(0.494)	1326079	40.0000	33.05
	12 Vinyl Chloride	62	3.758	3.752	(0.494)	794603	8.00000	6.861
	13 n-Butane	43	3.811	3.806	(0.501)	1242079	8.00000	6.485
	14 1,3-Butadiene	54	3.817	3.811	(0.502)	648748	8.00000	6.831
	15 Bromomethane	94	4.060	4.054	(0.534)	762651	8.00000	7.008

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						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb(v/v))	(ppb(v/v))
16 Chloroethane	64	4.162	4.157	(0.547)	380707	8.00000	7.442
17 ~ ethanol	31	4.264	4.264	(0.561)	1181112	40.0000	33.32
18 Vinyl Bromide	106	4.383	4.378	(0.577)	815323	8.00000	7.274
19 2-methyl butane	43	4.405	4.399	(0.579)	800919	8.00000	6.794
20 Trichlorofluoromethane	101	4.577	4.572	(0.602)	2564770	8.00000	7.178
21 Acrolein	56	4.610	4.604	(0.606)	186833	8.00000	6.872
22 Acetonitrile	40	4.680	4.680	(0.616)	271248	8.00000	7.447
25 Pentane	72	4.728	4.723	(0.622)	129619	8.00000	7.197
23 Acetone	58	4.707	4.701	(0.619)	290490	8.00000	7.312
24 Isopropyl alcohol	45	4.787	4.782	(0.630)	919739	8.00000	7.705
26 Ethyl Ether	31	4.885	4.879	(0.642)	828988	8.00000	6.841
27 1,1-Dichloroethene	96	5.127	5.122	(0.674)	959775	8.00000	7.296
29 Acrylonitrile	53	5.257	5.251	(0.691)	659305	8.00000	7.261
30 1,1,2-Trichlorotrifluoroethane	101	5.257	5.257	(0.691)	1962203	8.00000	7.159
28 tert-butanol	59	5.246	5.246	(0.690)	1403142	8.00000	7.456
31 Methylene Chloride	84	5.424	5.418	(0.713)	809824	8.00000	6.913
32 3-Chloropropene	39	5.424	5.418	(0.713)	689519	8.00000	6.322
33 Carbon Disulfide	76	5.526	5.521	(0.727)	2637259	8.00000	7.071
35 ~ 2-Methyl Pentane	43	6.049	6.044	(0.796)	2350385	8.00000	6.988
34 trans-1,2-Dichloroethene	96	6.071	6.065	(0.799)	997450	8.00000	7.159
36 Methyl-t-Butyl Ether	73	6.190	6.184	(0.814)	2379855	8.00000	7.866
37 1,1-Dichloroethane	63	6.438	6.432	(0.847)	1774701	8.00000	7.370
38 Vinyl Acetate	43	6.551	6.551	(0.862)	2510514	8.00000	8.004
39 2-Butanone	72	6.961	6.950	(0.916)	423069	8.00000	7.516
40 Hexane	56	6.880	6.880	(0.905)	816504	8.00000	7.037
41 cis 1,2-Dichloroethene	96	7.311	7.306	(0.962)	1066604	8.00000	7.510
42 Ethyl acetate	43	7.505	7.505	(0.987)	2112209	8.00000	7.905
43 Chloroform	83	7.613	7.608	(1.001)	2002902	8.00000	7.333
44 Tetrahydrofuran	42	8.001	7.996	(1.052)	1147057	8.00000	7.659
45 1,1,1-Trichloroethane	97	8.514	8.508	(1.120)	2202575	8.00000	7.625
46 1,2-Dichloroethane	62	8.643	8.638	(0.894)	1394799	8.00000	7.625
49 Cyclohexane	69	9.026	9.021	(0.934)	458394	8.00000	7.350
48 Benzene	78	9.080	9.080	(0.939)	2714243	8.00000	7.091
50 Carbon Tetrachloride	117	9.096	9.091	(0.941)	1728375	8.00000	6.832
51 ~ 2,3-dimethylpentane	71	9.145	9.139	(0.946)	601477	8.00000	7.275
47 1-Butanol	31	9.155	9.150	(0.947)	306915	8.00000	7.809
52 ~ Thiophene	84	9.360	9.355	(0.968)	1752937	8.00000	7.715
53 2,2,4-trimethylpentane	57	9.786	9.786	(1.012)	4844695	8.00000	7.344
54 Heptane	71	10.218	10.218	(1.057)	1020279	8.00000	7.607
55 1,2-Dichloropropane	63	10.347	10.342	(1.070)	1060952	8.00000	7.580
56 Trichloroethene	130	10.385	10.379	(1.074)	1616190	8.00000	7.831
180 ~ 2-nitropropane	43	10.730	10.724	(1.110)	89866	8.00000	0.000
57 Dibromomethane	93	10.493	10.493	(1.085)	1201897	8.00000	7.706
58 Bromodichloromethane	83	10.654	10.649	(1.102)	2171542	8.00000	7.983
60 Methyl Methacrylate	41	10.805	10.800	(1.118)	1339739	8.00000	8.440
59 1,4-dioxane	88	10.730	10.724	(1.110)	308465	8.00000	7.798
61 ~ methyl cyclohexane	83	11.134	11.134	(1.152)	1791374	8.00000	7.454

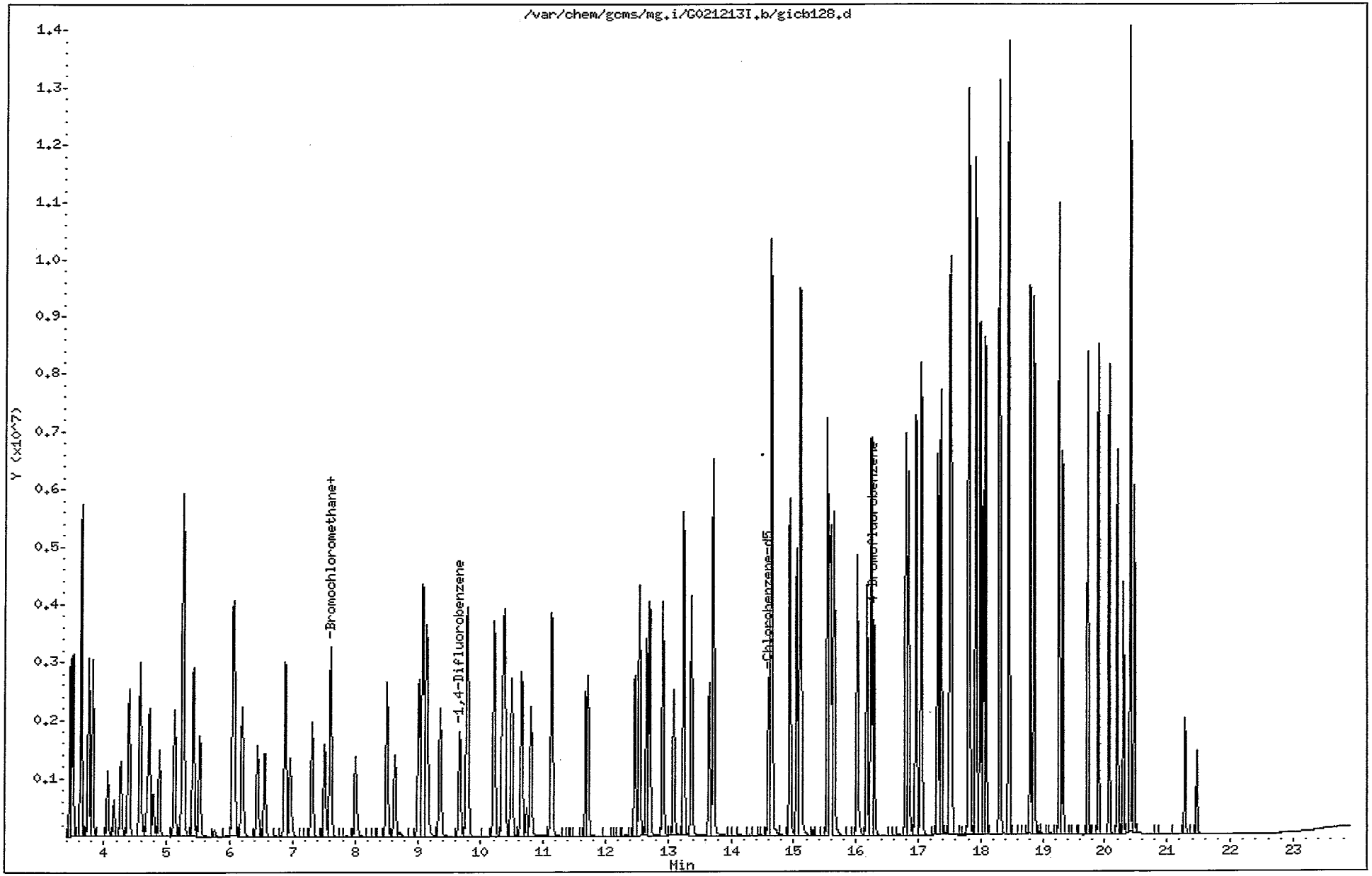
Data File: /var/chem/gcms/mg.i/G021213I.b/gicb128.d
Report Date: 13-Feb-2013 11:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	11.722	11.722	(1.212)	1549816	8.00000	8.406
62	4-Methyl-2-pentanone	43	11.684	11.684	(1.209)	1940813	8.00000	7.923
64	trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	1554174	8.00000	8.687
65	Toluene	91	12.547	12.547	(0.859)	3599508	8.00000	7.689
66	1,1,2-Trichloroethane	83	12.666	12.666	(0.867)	983465	8.00000	7.560
67	~ 2-methyl thiophene	97	12.709	12.709	(0.870)	3185891	8.00000	7.948
68	~ 3-methyl thiophene	97	12.919	12.919	(0.885)	3148552	8.00000	7.976
69	2-Hexanone	58	13.092	13.092	(0.897)	933455	8.00000	7.919
70	Octane	85	13.254	13.254	(0.908)	1147065	8.00000	7.507
71	Dibromochloromethane	129	13.372	13.378	(0.916)	2446406	8.00000	8.849
72	1,2-Dibromoethane	107	13.653	13.658	(0.935)	1994025	8.00000	8.278
73	Tetrachloroethene	129	13.723	13.723	(0.940)	1418548	8.00000	7.755
75	~ 2,3-dimethylheptane	43	14.650	14.650	(1.003)	2983887	8.00000	6.455
74	Chlorobenzene	112	14.650	14.650	(1.003)	2909559	8.00000	7.723
76	Ethylbenzene	91	14.941	14.941	(1.023)	4519979	8.00000	7.829
77	~ 2-ethyl thiophene	97	15.055	15.055	(1.031)	3511029	8.00000	8.120
78	m&p-Xylene	91	15.108	15.114	(1.035)	6766162	16.0000	15.37
79	Nonane	57	15.540	15.540	(1.064)	2138868	8.00000	7.167
80	Bromoform	173	15.572	15.572	(1.066)	2351936	8.00000	9.412
81	Styrene	104	15.599	15.599	(1.068)	2703812	8.00000	8.334
82	o-Xylene	91	15.648	15.648	(1.072)	3493637	8.00000	7.640
84	1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.097)	2465871	8.00000	7.612
85	1,2,3-Trichloropropane	110	16.171	16.176	(1.107)	799559	8.00000	8.025
86	Cumene	105	16.252	16.252	(1.113)	5058528	8.00000	7.701
87	n-Propylbenzene	120	16.807	16.807	(1.151)	1531576	8.00000	8.203
88	2-chlorotoluene	126	16.845	16.850	(1.154)	1467134	8.00000	8.016
89	4-Ethyltoluene	105	16.963	16.969	(1.162)	5167124	8.00000	7.995
90	1,3,5-Trimethylbenzene	120	17.050	17.050	(1.168)	2574339	8.00000	8.012
91	Alpha-Methylstyrene	118	17.314	17.314	(1.186)	2336336	8.00000	8.787
92	Decane	57	17.368	17.368	(1.189)	2603466	8.00000	7.505
93	tert-butylbenzene	119	17.508	17.508	(1.199)	4724890	8.00000	7.872
94	1,2,4-Trimethylbenzene	105	17.524	17.530	(1.200)	4129264	8.00000	7.925
95	sec-butylbenzene	105	17.805	17.810	(1.219)	5904407	8.00000	7.561
96	1,3-Dichlorobenzene	146	17.821	17.821	(1.220)	3226651	8.00000	8.300
97	Benzyl Chloride	91	17.923	17.923	(1.227)	3566494	8.00000	9.528
98	1,4-Dichlorobenzene	146	17.923	17.923	(1.227)	3154900	8.00000	8.435
99	p-Cymene	119	17.993	17.993	(1.232)	5280290	8.00000	8.282
100	~ 1,2,3- Trimethylbenzene	105	18.042	18.042	(1.236)	3449941	8.00000	7.797
101	~ n-butylcyclohexane	83	18.080	18.085	(1.238)	3038661	8.00000	6.892
102	~ Indane	117	18.306	18.306	(1.254)	3925155	8.00000	7.820
103	1,2-Dichlorobenzene	146	18.312	18.317	(1.254)	2952326	8.00000	7.935
104	n-butylbenzene	91	18.463	18.463	(1.264)	4322286	8.00000	7.539
105	~ Indene	116	18.452	18.452	(1.264)	4059657	8.00000	8.189
106	Undecane	57	18.797	18.802	(1.287)	2810412	8.00000	9.134
107	~ 1,2-dimethyl-4-ethylenzene	119	18.862	18.862	(1.292)	4985492	8.00000	8.082
108	~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.319)	5110508	8.00000	8.701
109	~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.323)	3143025	8.00000	8.496

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb128.d
Report Date: 13-Feb-2013 11:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	3983327	8.00000	8.984
111 Dodecane	57	19.897	19.902	(1.363)	2171540	8.00000	8.330
112 1,2,4-Trichlorobenzene	180	20.069	20.069	(1.374)	2245354	8.00000	9.338
113 Napthalene	128	20.199	20.204	(1.383)	4583004	8.00000	9.184
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.390)	2926586	8.00000	8.906
115 Hexachlorobutadiene	225	20.415	20.415	(1.398)	2567277	8.00000	8.409
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.402)	1733658	8.00000	8.622
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	924042	50.0000	48.79
118 ~ 1-Methylnaphthalene	142	21.471	21.471	(1.470)	571323	50.0000	41.86

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb128.d
Date : 12-FEB-2013 17:34
Client ID: 8.0PPB
Instrument: mg.i
Sample Info: ICAL8,,1,8,,8.0PPB
Purge Volume: 200.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G021213I.b/gicb129.d
Report Date: 13-Feb-2013 11:23

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicb129.d
Lab Smp Id: ICAL9 Client Smp ID: 16PPB
Inj Date : 12-FEB-2013 18:25
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL9,,1,9,,16PPB
Misc Info : G021213I,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:22 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 7 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1	Bromochloromethane	128	7.597	7.597	(1.000)	462231	4.00000	4.000
* 2	1,4-Difluorobenzene	114	9.668	9.668	(1.000)	2151212	4.00000	4.000
* 3	Chlorobenzene-d5	117	14.602	14.602	(1.000)	1894502	4.00000	4.000
$ 4	4-Bromofluorobenzene	95	16.295	16.295	(1.116)	1286525	4.00000	3.830
M 83	Xylene (total)	100				19095971	48.0000	39.50
5	Chlorodifluoromethane	67	3.450	3.450	(0.454)	521318	16.0000	12.62
6	Propene	41	3.456	3.456	(0.455)	1560191	16.0000	12.02
7	Dichlorodifluoromethane	85	3.493	3.493	(0.460)	5135817	16.0000	12.38
8	Chloromethane	52	3.628	3.628	(0.478)	434863	16.0000	10.10
9	1,2-Dichlorotetrafluoroethane	135	3.628	3.628	(0.478)	3745415	16.0000	12.27
10	Methanol	31	3.747	3.747	(0.493)	285995	16.0000	10.94
11	~ acetaldehyde	44	3.747	3.747	(0.493)	2330627	80.0000	56.41
12	Vinyl Chloride	62	3.752	3.752	(0.494)	1467810	16.0000	11.98
13	n-Butane	43	3.806	3.806	(0.501)	2267052	16.0000	11.26
14	1,3-Butadiene	54	3.811	3.811	(0.502)	1193910	16.0000	11.90
15	Bromomethane	94	4.054	4.054	(0.534)	1479280	16.0000	12.78

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb129.d
Report Date: 13-Feb-2013 11:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	4.157	4.157	(0.547)	727610	16.0000	13.32
17 ~ ethanol	31	4.264	4.264	(0.561)	2101658	80.0000	56.64
18 Vinyl Bromide	106	4.378	4.378	(0.576)	1614998	16.0000	13.47
19 2-methyl butane	43	4.399	4.399	(0.579)	1496608	16.0000	12.00
20 Trichlorofluoromethane	101	4.572	4.572	(0.602)	4959389	16.0000	13.02
21 Acrolein	56	4.604	4.604	(0.606)	372684	16.0000	12.97
22 Acetonitrile	40	4.680	4.680	(0.616)	505264	16.0000	13.10
25 Pentane	72	4.723	4.723	(0.622)	253781	16.0000	13.24
23 Acetone	58	4.701	4.701	(0.619)	539615	16.0000	13.03
24 Isopropyl alcohol	45	4.782	4.782	(0.629)	1697579	16.0000	13.46
26 Ethyl Ether	31	4.879	4.879	(0.642)	1460314	16.0000	11.44
27 1,1-Dichloroethene	96	5.122	5.122	(0.674)	1866178	16.0000	13.28
29 Acrylonitrile	53	5.251	5.251	(0.691)	1149898	16.0000	11.98
30 1,1,2-Trichlorotrifluoroethane	101	5.257	5.257	(0.692)	3772572	16.0000	12.92
28 tert-butanol	59	5.246	5.246	(0.691)	2630218	16.0000	13.14
31 Methylene Chloride	84	5.418	5.418	(0.713)	1534485	16.0000	12.46
32 3-Chloropropene	39	5.418	5.418	(0.713)	1517190	16.0000	13.05
33 Carbon Disulfide	76	5.521	5.521	(0.727)	5009808	16.0000	12.64
35 ~ 2-Methyl Pentane	43	6.044	6.044	(0.796)	4334300	16.0000	12.22
34 trans-1,2-Dichloroethene	96	6.065	6.065	(0.798)	1896669	16.0000	12.79
36 Methyl-t-Butyl Ether	73	6.184	6.184	(0.814)	4590521	16.0000	14.12
37 1,1-Dichloroethane	63	6.432	6.432	(0.847)	3441582	16.0000	13.37
38 Vinyl Acetate	43	6.551	6.551	(0.862)	4814507	16.0000	14.27
39 2-Butanone	72	6.950	6.950	(0.915)	792993	16.0000	13.28
40 Hexane	56	6.880	6.880	(0.906)	1563550	16.0000	12.68
41 cis 1,2-Dichloroethene	96	7.306	7.306	(0.962)	2091038	16.0000	13.74
42 Ethyl acetate	43	7.505	7.505	(0.988)	3981446	16.0000	13.92
43 Chloroform	83	7.608	7.608	(1.001)	3929088	16.0000	13.45
44 Tetrahydrofuran	42	7.996	7.996	(1.053)	2182989	16.0000	13.65
45 1,1,1-Trichloroethane	97	8.508	8.508	(1.120)	4376656	16.0000	14.10
46 1,2-Dichloroethane	62	8.638	8.638	(0.893)	2732403	16.0000	13.70
49 Cyclohexane	69	9.021	9.021	(0.933)	880023	16.0000	13.00
48 Benzene	78	9.080	9.080	(0.939)	4935519	16.0000	11.98
50 Carbon Tetrachloride	117	9.091	9.091	(0.940)	4910097	16.0000	17.30(A)
51 ~ 2,3-dimethylpentane	71	9.139	9.139	(0.945)	1114894	16.0000	12.48
47 1-Butanol	31	9.150	9.150	(0.946)	593709	16.0000	13.95
52 ~ Thiophene	84	9.355	9.355	(0.968)	3375104	16.0000	13.63
53 2,2,4-trimethylpentane	57	9.786	9.786	(1.012)	9163655	16.0000	12.82
54 Heptane	71	10.218	10.218	(1.057)	1934723	16.0000	13.27
55 1,2-Dichloropropane	63	10.342	10.342	(1.070)	1997789	16.0000	13.14
56 Trichloroethene	130	10.379	10.379	(1.074)	3174449	16.0000	14.06
180 ~ 2-nitropropane	43	10.724	10.724	(1.109)	179948	16.0000	0.000
57 Dibromomethane	93	10.493	10.493	(1.085)	2290088	16.0000	13.48
58 Bromodichloromethane	83	10.649	10.649	(1.101)	4259671	16.0000	14.29
60 Methyl Methacrylate	41	10.800	10.800	(1.117)	2514389	16.0000	14.46
59 1,4-dioxane	88	10.724	10.724	(1.109)	605665	16.0000	14.00
61 ~ methyl cyclohexane	83	11.134	11.134	(1.152)	3406256	16.0000	13.06

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb129.d
Report Date: 13-Feb-2013 11:23

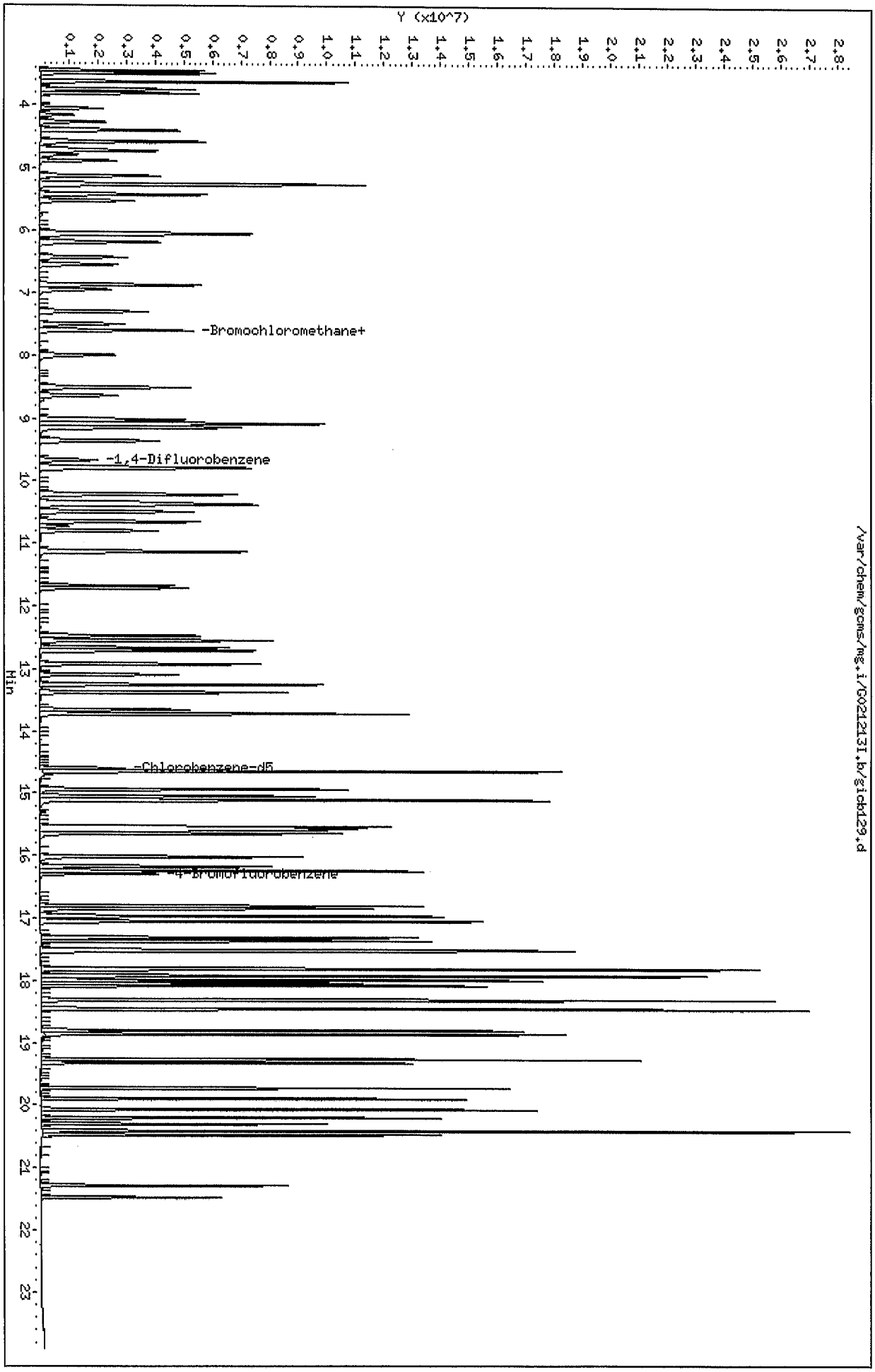
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	11.722	11.722	(1.212)	2984699	16.0000	14.72
62	4-Methyl-2-pentanone	43	11.684	11.684	(1.209)	3594493	16.0000	13.55
64	trans-1,3-Dichloropropene	75	12.472	12.472	(0.854)	3150595	16.0000	16.12(A)
65	Toluene	91	12.547	12.547	(0.859)	6861835	16.0000	13.67
66	1,1,2-Trichloroethane	83	12.666	12.666	(0.867)	1865034	16.0000	13.40
67	~ 2-methyl thiophene	97	12.709	12.709	(0.870)	6120337	16.0000	14.19
68	~ 3-methyl thiophene	97	12.919	12.919	(0.885)	6025726	16.0000	14.18
69	2-Hexanone	58	13.092	13.092	(0.897)	1804676	16.0000	14.24
70	Octane	85	13.254	13.254	(0.908)	2150269	16.0000	13.18
71	Dibromochloromethane	129	13.378	13.378	(0.916)	5165865	16.0000	16.99(A)
72	1,2-Dibromoethane	107	13.658	13.658	(0.935)	3866501	16.0000	14.84
73	Tetrachloroethene	129	13.723	13.723	(0.940)	2788375	16.0000	14.16
75	~ 2,3-dimethylheptane	43	14.650	14.650	(1.003)	4849879	16.0000	10.06
74	Chlorobenzene	112	14.650	14.650	(1.003)	5533296	16.0000	13.70
76	Ethylbenzene	91	14.941	14.941	(1.023)	8555995	16.0000	13.81
77	~ 2-ethyl thiophene	97	15.055	15.055	(1.031)	6772353	16.0000	14.51
78	m&p-Xylene	91	15.114	15.114	(1.035)	12589099	32.0000	26.19
79	Nonane	57	15.540	15.540	(1.064)	3732099	16.0000	11.88
80	Bromoform	173	15.572	15.572	(1.066)	5466817	16.0000	19.43(A)
81	Styrene	104	15.599	15.599	(1.068)	5128001	16.0000	14.65
82	o-Xylene	91	15.648	15.648	(1.072)	6506872	16.0000	13.31
84	1,1,2,2-Tetrachloroethane	83	16.020	16.020	(1.097)	4552818	16.0000	13.16
85	1,2,3-Trichloropropane	110	16.176	16.176	(1.108)	1550825	16.0000	14.43
86	Cumene	105	16.252	16.252	(1.113)	9561641	16.0000	13.62
87	n-Propylbenzene	120	16.807	16.807	(1.151)	2946136	16.0000	14.63
88	2-chlorotoluene	126	16.850	16.850	(1.154)	2839021	16.0000	14.39
89	4-Ethyltoluene	105	16.969	16.969	(1.162)	9843394	16.0000	14.18
90	1,3,5-Trimethylbenzene	120	17.050	17.050	(1.168)	4942452	16.0000	14.30
91	Alpha-Methylstyrene	118	17.314	17.314	(1.186)	4580451	16.0000	15.81
92	Decane	57	17.368	17.368	(1.189)	4578999	16.0000	12.43
93	tert-butylbenzene	119	17.508	17.508	(1.199)	9184693	16.0000	14.24
94	1,2,4-Trimethylbenzene	105	17.530	17.530	(1.201)	7919765	16.0000	14.13
95	sec-butylbenzene	105	17.810	17.810	(1.220)	11097306	16.0000	13.02
96	1,3-Dichlorobenzene	146	17.821	17.821	(1.220)	6485713	16.0000	15.37
97	Benzyl Chloride	91	17.923	17.923	(1.227)	6986767	16.0000	16.95(A)
98	1,4-Dichlorobenzene	146	17.923	17.923	(1.227)	6434971	16.0000	15.79
99	p-Cymene	119	17.993	17.993	(1.232)	10214875	16.0000	14.81
100	~ 1,2,3- Trimethylbenzene	105	18.042	18.042	(1.236)	6544154	16.0000	13.78
101	~ n-butylcyclohexane	83	18.085	18.085	(1.239)	5533947	16.0000	11.92
102	~ Indane	117	18.306	18.306	(1.254)	7569139	16.0000	14.03
103	1,2-Dichlorobenzene	146	18.317	18.317	(1.254)	5974871	16.0000	14.86
104	n-butylbenzene	91	18.463	18.463	(1.264)	8065369	16.0000	13.21
105	~ Indene	116	18.452	18.452	(1.264)	8004193	16.0000	14.93
106	Undecane	57	18.802	18.802	(1.288)	4865743	16.0000	14.66
107	~ 1,2-dimethyl-4-ethylenzene	119	18.862	18.862	(1.292)	9693011	16.0000	14.39
108	~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.319)	9960830	16.0000	15.54
109	~ 1,2,3,5-tetramethylbenzene	119	19.325	19.325	(1.323)	6224381	16.0000	15.48

Data File: /var/chem/gcms/mg.i/G021213I.b/gicb129.d
Report Date: 13-Feb-2013 11:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	19.730	19.730	(1.351)	7872945	16.0000	16.23(A)
111 Dodecane	57	19.902	19.902	(1.363)	3948853	16.0000	14.08
112 1,2,4-Trichlorobenzene	180	20.069	20.069	(1.374)	5049586	16.0000	18.82(A)
113 Napthalene	128	20.204	20.204	(1.384)	9810371	16.0000	17.76(A)
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.390)	6848206	16.0000	18.69(A)
115 Hexachlorobutadiene	225	20.415	20.415	(1.398)	5481500	16.0000	16.39(A)
116 1,2,3-trichlorobenzene	180	20.479	20.479	(1.403)	4130731	16.0000	18.46(A)
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	4042271	100.000	172.0(A)
118 ~ 1-Methylnaphthalene	142	21.471	21.471	(1.470)	2582696	100.000	156.9(A)

QC Flag Legend

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


Data File: /var/chem/gcms/mg.i/G021213I.b/gicb129.d
Date : 12-FEB-2013 18:25
Client ID: 16PPB
Sample Info: ICAL9,.4,.9,.16PPB
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
/var/chem/gcms/mg.i/G021213I.b/gicb129.d
Min

Data File: /var/chem/gcms/mg.i/G021213I.b/gicvb12.d
Report Date: 13-Feb-2013 11:12

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G021213I.b/gicvb12.d
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 12-FEB-2013 20:06
Operator : 7126 Inst ID: mg.i
Smp Info : ICV,,3,,,ICV
Misc Info : G021213I,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G021213I.b/TO15.m
Meth Date : 13-Feb-2013 11:11 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 9 QC Sample: 2ND SOURCE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.586	7.597	(1.000)	426956	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.657	9.668	(1.000)	2026391	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.596	14.602	(1.000)	1788856	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.289	16.295	(1.116)	1267601	3.99654	9.991
M	83 Xylene (total)	100				2832329	6.20464	15.51
	5 Chlorodifluoromethane	67	3.450	3.450	(0.455)	70364	1.84423	4.610
	6 Propene	41	3.456	3.456	(0.456)	245713	2.04938	5.123
	7 Dichlorodifluoromethane	85	3.493	3.493	(0.460)	763208	1.99176	4.979
	8 Chloromethane	52	3.623	3.628	(0.478)	70059	1.76241	4.406
	9 1,2-Dichlorotetrafluoroethane	135	3.628	3.628	(0.478)	586953	2.08226	5.206
	10 Methanol	31	3.747	3.747	(0.494)	42287	1.75165	4.379
	11 ~ acetaldehyde	44	3.741	3.747	(0.493)	363707	9.53002	23.82
	12 Vinyl Chloride	62	3.747	3.752	(0.494)	226934	2.00614	5.015
	13 n-Butane	43	3.806	3.806	(0.502)	347540	1.86809	4.670
	14 1,3-Butadiene	54	3.811	3.811	(0.502)	174277	1.87999	4.700

Data File: /var/chem/gcms/mg.i/G021213I.b/gicvb12.d
Report Date: 13-Feb-2013 11:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
15	Bromomethane	94	4.049	4.054	(0.534)	212071	1.98333	4.958
16	Chloroethane	64	4.151	4.157	(0.547)	103023	2.04125	5.103
17	~ ethanol	31	4.254	4.264	(0.561)	266579	7.77791	19.44
18	Vinyl Bromide	106	4.372	4.378	(0.576)	209129	1.88880	4.722
19	2-methyl butane	43	4.388	4.399	(0.578)	222329	1.93059	4.826
20	Trichlorofluoromethane	101	4.566	4.572	(0.602)	707662	2.01183	5.030
21	Acrolein	56	4.599	4.604	(0.606)	55042	2.07327	5.183
22	Acetonitrile	40	4.669	4.680	(0.615)	68627	1.92691	4.817
25	Pentane	72	4.717	4.723	(0.622)	36064	2.03697	5.092
23	Acetone	58	4.696	4.701	(0.619)	74090	1.93723	4.843
24	Isopropyl alcohol	45	4.766	4.782	(0.628)	205968	1.76740	4.418
26	Ethyl Ether	31	4.868	4.879	(0.642)	209129	1.77411	4.435
27	1,1-Dichloroethene	96	5.111	5.122	(0.674)	226004	1.74170	4.354
29	Acrylonitrile	53	5.235	5.251	(0.690)	184848	2.08439	5.211
30	1,1,2-Trichlorotrifluoroethane	101	5.246	5.257	(0.692)	481384	1.78542	4.464
28	tert-butanol	59	5.235	5.246	(0.690)	346304	1.87337	4.683
31	Methylene Chloride	84	5.408	5.418	(0.713)	202394	1.77857	4.446
32	3-Chloropropene	39	5.408	5.418	(0.713)	188752	1.75773	4.394
33	Carbon Disulfide	76	5.510	5.521	(0.726)	722425	1.97327	4.933
35	~ 2-Methyl Pentane	43	6.033	6.044	(0.795)	669921	2.04406	5.110
34	trans-1,2-Dichloroethene	96	6.055	6.065	(0.798)	279051	2.03800	5.095
36	Methyl-t-Butyl Ether	73	6.179	6.184	(0.814)	641569	2.13610	5.340
37	1,1-Dichloroethane	63	6.421	6.432	(0.846)	461299	1.94064	4.852
38	Vinyl Acetate	43	6.540	6.551	(0.862)	647810	2.07815	5.195
39	2-Butanone	72	6.950	6.950	(0.916)	108269	1.96349	4.909
40	Hexane	56	6.869	6.880	(0.905)	230291	2.02152	5.054
41	cis 1,2-Dichloroethene	96	7.295	7.306	(0.962)	269336	1.91577	4.789
42	Ethyl acetate	43	7.500	7.505	(0.989)	564905	2.13786	5.345
43	Chloroform	83	7.592	7.608	(1.001)	516888	1.91601	4.790
44	Tetrahydrofuran	42	8.001	7.996	(1.055)	302240	2.04543	5.114
45	1,1,1-Trichloroethane	97	8.497	8.508	(1.120)	559812	1.95253	4.881
46	1,2-Dichloroethane	62	8.627	8.638	(0.893)	358682	1.90867	4.772
49	Cyclohexane	69	9.010	9.021	(0.933)	128540	2.01670	5.042
48	Benzene	78	9.064	9.080	(0.939)	737343	1.89987	4.750
50	Carbon Tetrachloride	117	9.080	9.091	(0.940)	562683	2.10507	5.263
51	~ 2,3-dimethylpentane	71	9.128	9.139	(0.945)	173857	2.06600	5.165
47	1-Butanol	31	9.161	9.150	(0.949)	76748	1.91484	4.787
52	~ Thiophene	84	9.344	9.355	(0.968)	485727	2.08202	5.205
53	2,2,4-trimethylpentane	57	9.775	9.786	(1.012)	1378506	2.04755	5.119
54	Heptane	71	10.201	10.218	(1.056)	285963	2.08221	5.206
55	1,2-Dichloropropane	63	10.336	10.342	(1.070)	290055	2.02577	5.064
56	Trichloroethene	130	10.369	10.379	(1.074)	424266	1.99533	4.988
180	~ 2-nitropropane	43	10.735	10.724	(1.112)	22002		
57	Dibromomethane	93	10.482	10.493	(1.085)	327921	2.04983	5.124
58	Bromodichloromethane	83	10.638	10.649	(1.102)	586311	2.08852	5.221
60	Methyl Methacrylate	41	10.795	10.800	(1.118)	362325	2.21260	5.531
59	1,4-dioxane	88	10.735	10.724	(1.112)	79684	1.95621	4.890

Data File: /var/chem/gcms/mg.i/G021213I.b/gicvb12.d
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
61 ~ methyl cyclohexane	83	11.124	11.134	(1.152)	504635	2.05396	5.135
63 cis-1,3-Dichloropropene	75	11.717	11.722	(1.213)	413451	2.16550	5.414
62 4-Methyl-2-pentanone	43	11.684	11.684	(1.210)	492853	1.97280	4.932
64 trans-1,3-Dichloropropene	75	12.461	12.472	(0.854)	405805	2.19870	5.497
65 Toluene	91	12.536	12.547	(0.859)	970624	2.04818	5.120
66 1,1,2-Trichloroethane	83	12.655	12.666	(0.867)	277928	2.11505	5.288
67 ~ 2-methyl thiophene	97	12.704	12.709	(0.870)	889012	2.18238	5.456
68 ~ 3-methyl thiophene	97	12.914	12.919	(0.885)	861216	2.14664	5.367
69 2-Hexanone	58	13.092	13.092	(0.897)	238971	1.99776	4.994
70 Octane	85	13.248	13.254	(0.908)	327958	2.12836	5.321
71 Dibromochloromethane	129	13.367	13.378	(0.916)	634492	2.20961	5.524
72 1,2-Dibromoethane	107	13.647	13.658	(0.935)	530388	2.15565	5.389
73 Tetrachloroethene	129	13.717	13.723	(0.940)	379355	2.04097	5.102
75 ~ 2,3-dimethylheptane	43	14.645	14.650	(1.003)	939392	2.06320	5.158
74 Chlorobenzene	112	14.645	14.650	(1.003)	801590	2.10154	5.254
76 Ethylbenzene	91	14.936	14.941	(1.023)	1204694	2.05923	5.148
77 ~ 2-ethyl thiophene	97	15.049	15.055	(1.031)	950094	2.15649	5.391
78 m&p-Xylene	91	15.108	15.114	(1.035)	1864961	4.10915	10.27
79 Nonane	57	15.534	15.540	(1.064)	641184	2.16119	5.403
80 Bromoform	173	15.567	15.572	(1.066)	618800	2.32906	5.823
81 Styrene	104	15.594	15.599	(1.068)	730279	2.21013	5.525
82 o-Xylene	91	15.642	15.648	(1.072)	967368	2.09549	5.239
84 1,1,2,2-Tetrachloroethane	83	16.014	16.020	(1.097)	679098	2.07902	5.198
85 1,2,3-Trichloropropane	110	16.171	16.176	(1.108)	215795	2.12708	5.318
86 Cumene	105	16.246	16.252	(1.113)	1406528	2.12173	5.304
87 n-Propylbenzene	120	16.802	16.807	(1.151)	414658	2.18101	5.452
88 2-chlorotoluene	126	16.845	16.850	(1.154)	394221	2.11604	5.290
89 4-Ethyltoluene	105	16.963	16.969	(1.162)	1409289	2.14991	5.375
90 1,3,5-Trimethylbenzene	120	17.044	17.050	(1.168)	683161	2.09404	5.235
91 Alpha-Methylstyrene	118	17.309	17.314	(1.186)	608038	2.22304	5.558
92 Decane	57	17.363	17.368	(1.190)	780291	2.24326	5.608
93 tert-butylbenzene	119	17.503	17.508	(1.199)	1274190	2.09195	5.230
94 1,2,4-Trimethylbenzene	105	17.524	17.530	(1.201)	1129749	2.13440	5.336
95 sec-butylbenzene	105	17.805	17.810	(1.220)	1669343	2.12348	5.309
96 1,3-Dichlorobenzene	146	17.815	17.821	(1.221)	819021	2.05552	5.139
97 Benzyl Chloride	91	17.923	17.923	(1.228)	878702	2.25814	5.645
98 1,4-Dichlorobenzene	146	17.918	17.923	(1.228)	791183	2.05616	5.140
99 p-Cymene	119	17.988	17.993	(1.232)	1411166	2.16723	5.418
100 ~ 1,2,3- Trimethylbenzene	105	18.037	18.042	(1.236)	950789	2.12083	5.302
101 ~ n-butylcyclohexane	83	18.080	18.085	(1.239)	900430	2.05366	5.134
102 ~ Indane	117	18.301	18.306	(1.254)	1098883	2.15693	5.392
103 1,2-Dichlorobenzene	146	18.312	18.317	(1.255)	774792	2.04102	5.102
104 n-butylbenzene	91	18.457	18.463	(1.264)	1205019	2.09013	5.225
105 ~ Indene	116	18.446	18.452	(1.264)	1100532	2.17430	5.436
106 Undecane	57	18.797	18.802	(1.288)	734180	2.34284	5.857
107 ~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.862	(1.292)	1304078	2.07699	5.192
108 ~ 1,2,4,5-tetramethylbenzene	119	19.266	19.266	(1.320)	1273635	2.11142	5.278

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	19.320	19.325	(1.324)	795346	2.09543	5.238
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.730	(1.351)	963327	2.10354	5.259
111 Dodecane	57	19.897	19.902	(1.363)	405594	1.53209	3.830
112 1,2,4-Trichlorobenzene	180	20.069	20.069	(1.375)	410456	1.61976	4.049
113 Napthalene	128	20.199	20.204	(1.384)	888810	1.70432	4.261
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	725646	2.09732	5.243
115 Hexachlorobutadiene	225	20.415	20.415	(1.399)	534283	1.69202	4.230
116 1,2,3-trichlorobenzene	180	20.474	20.479	(1.403)	338791	1.60332	4.008
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.458)	444571	20.0406	50.10(R)
118 ~ 1-Methylnaphthalene	142	21.471	21.471	(1.471)	343499	22.1031	55.26(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mg.i/G021213I.b/gicvb12.d
Report Date: 13-Feb-2013 11:12

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gicvb12.d
Lab Smp Id: ICV
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G021213I.b/TO15.m
Misc Info: G021213I,TO15,all.sub,,,,

Calibration Date: 12-FEB-2013
Calibration Time: 15:54
Client Smp ID: ICV
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396373	235842	556904	426956	7.72
2 1,4-Difluorobenze	1918079	1141257	2694901	2026391	5.65
3 Chlorobenzene-d5	1701057	1012129	2389985	1788856	5.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.60	7.27	7.93	7.59	-0.21
2 1,4-Difluorobenze	9.67	9.34	10.00	9.66	-0.17
3 Chlorobenzene-d5	14.60	14.27	14.93	14.60	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/mg.i/G021213I.b/gicvb12.d
Report Date: 13-Feb-2013 11:12

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: icv.spk
Sublist File: all.sub
Method File: /var/chem/gcms/mg.i/G021213I.b/TO15.m
Misc Info: G021213I,TO15,all.sub,,,,

Client SDG: G021213I
Fraction: OTHER
Client Smp ID: ICV
Operator: 7126
SampleType: 2ND SOURCE
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5	Chlorodifluorometh	5.000	4.610	92.21	65-135
7	Dichlorodifluorome	5.000	4.979	99.59	65-135
6	Propene	5.000	5.123	102.47	65-135
9	1,2-Dichlorotetraf	5.000	5.206	104.11	65-135
8	Chloromethane	5.000	4.406	88.12	65-135
10	Methanol	5.000	4.379	87.58	65-135
11	~ acetaldehyde	23.76	23.82	100.26	65-135
12	Vinyl Chloride	5.000	5.015	100.31	65-135
13	n-Butane	5.000	4.670	93.40	65-135
14	1,3-Butadiene	5.000	4.700	94.00	65-135
15	Bromomethane	5.000	4.958	99.17	65-135
16	Chloroethane	5.000	5.103	102.06	65-135
17	~ ethanol	24.50	19.44	79.37	65-135
18	Vinyl Bromide	5.000	4.722	94.44	65-135
19	2-methyl butane	5.000	4.826	96.53	65-135
20	Trichlorofluoromet	5.000	5.030	100.59	65-135
21	Acrolein	5.000	5.183	103.66	65-135
22	Acetonitrile	5.000	4.817	96.35	65-135
23	Acetone	5.000	4.843	96.86	65-135
25	Pentane	5.000	5.092	101.85	65-135
24	Isopropyl alcohol	5.000	4.418	88.37	65-135
26	Ethyl Ether	5.000	4.435	88.71	65-135
27	1,1-Dichloroethene	5.000	4.354	87.09	65-135
29	Acrylonitrile	5.000	5.211	104.22	65-135
28	tert-butanol	5.000	4.683	93.67	65-135
30	1,1,2-Trichlorotri	5.000	4.464	89.27	65-135
31	Methylene Chloride	5.000	4.446	88.93	65-135
32	3-Chloropropene	5.000	4.394	87.89	65-135
33	Carbon Disulfide	5.000	4.933	98.66	65-135
34	trans-1,2-Dichloro	5.000	5.095	101.90	65-135
35	~ 2-Methyl Pentane	5.000	5.110	102.20	65-135
36	Methyl-t-Butyl Eth	5.000	5.340	106.80	65-135
37	1,1-Dichloroethane	5.000	4.852	97.03	65-135

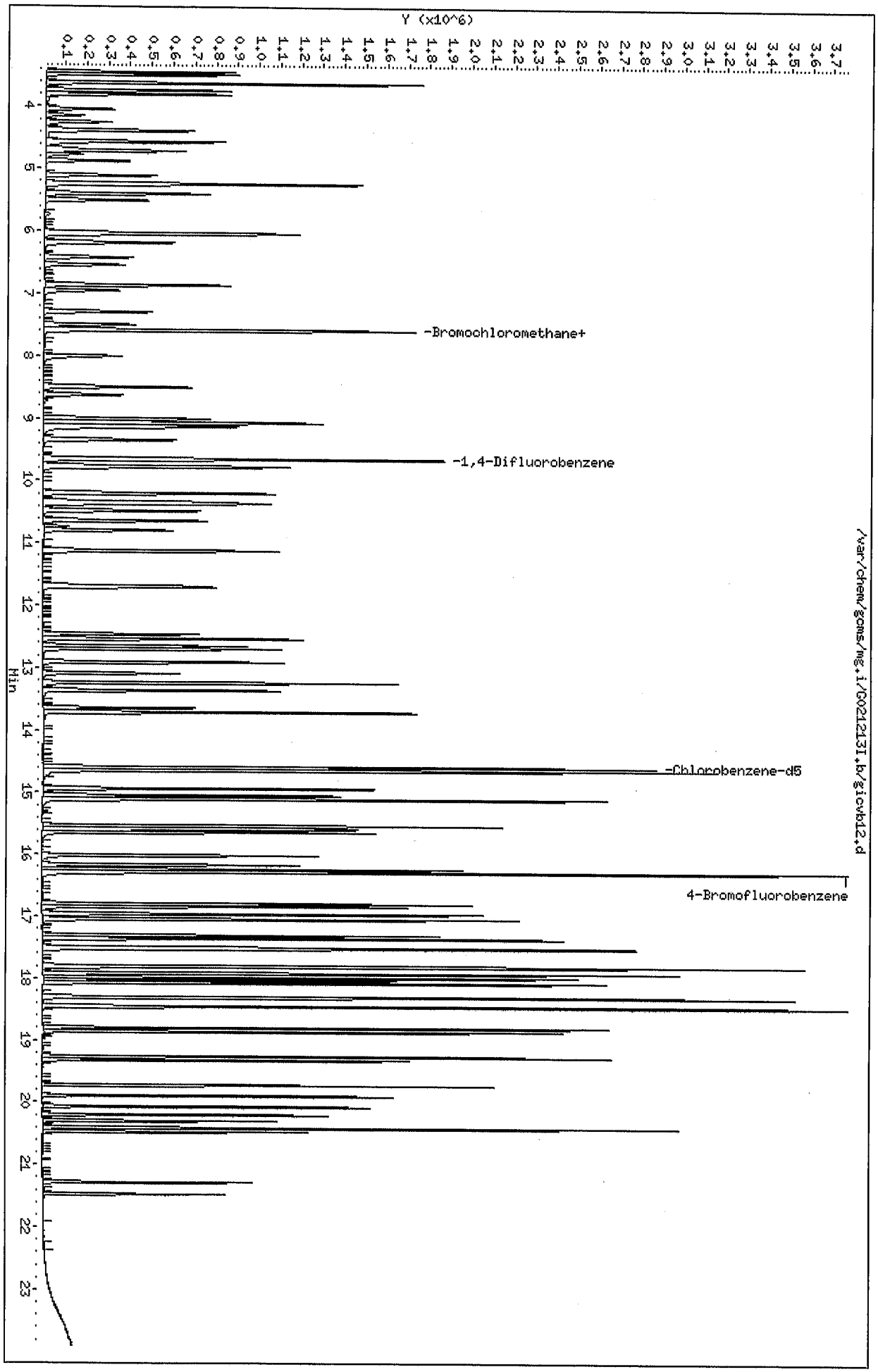
Data File: /var/chem/gcms/mg.i/G021213I.b/gicvb12.d
Report Date: 13-Feb-2013 11:12

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
38	Vinyl Acetate	5.000	5.195	103.91	65-135
39	2-Butanone	5.000	4.909	98.17	65-135
40	Hexane	5.000	5.054	101.08	65-135
41	cis 1,2-Dichloroet	5.000	4.789	95.79	65-135
42	Ethyl acetate	5.000	5.345	106.89	65-135
43	Chloroform	5.000	4.790	95.80	65-135
44	Tetrahydrofuran	5.000	5.114	102.27	65-135
45	1,1,1-Trichloroeth	5.000	4.881	97.63	65-135
46	1,2-Dichloroethane	5.000	4.772	95.43	65-135
47	1-Butanol	5.000	4.787	95.74	65-135
49	Cyclohexane	5.000	5.042	100.83	65-135
48	Benzene	5.000	4.750	94.99	65-135
50	Carbon Tetrachlori	5.000	5.263	105.25	65-135
51	~ 2,3-dimethylpent	5.050	5.165	102.28	65-135
52	~ Thiophene	5.000	5.205	104.10	65-135
53	2,2,4-trimethylpen	5.000	5.119	102.38	65-135
54	Heptane	5.000	5.206	104.11	65-135
55	1,2-Dichloropropan	5.000	5.064	101.29	65-135
56	Trichloroethene	5.000	4.988	99.77	65-135
57	Dibromomethane	5.000	5.124	102.49	65-135
58	Bromodichlorometha	5.000	5.221	104.43	65-135
59	1,4-dioxane	5.000	4.890	97.81	65-135
60	Methyl Methacrylat	5.000	5.531	110.63	65-135
61	~ methyl cyclohexa	5.062	5.135	101.43	65-135
62	4-Methyl-2-pentano	5.000	4.932	98.64	65-135
63	cis-1,3-Dichloropr	5.000	5.414	108.27	65-135
64	trans-1,3-Dichloro	5.000	5.497	109.93	65-135
65	Toluene	5.000	5.120	102.41	65-135
66	1,1,2-Trichloroeth	5.000	5.288	105.75	65-135
67	~ 2-methyl thiophe	5.012	5.456	108.85	65-135
68	~ 3-methyl thiophe	5.050	5.367	106.27	65-135
69	2-Hexanone	5.000	4.994	99.89	65-135
70	Octane	5.000	5.321	106.42	65-135
71	Dibromochlorometha	5.000	5.524	110.48	65-135
72	1,2-Dibromoethane	5.000	5.389	107.78	65-135
73	Tetrachloroethene	5.000	5.102	102.05	65-135
74	Chlorobenzene	5.000	5.254	105.08	65-135
75	~ 2,3-dimethylhept	5.112	5.158	100.89	65-135
76	Ethylbenzene	5.000	5.148	102.96	65-135
77	~ 2-ethyl thiophen	5.025	5.391	107.29	65-135
78	m&p-Xylene	10.00	10.27	102.73	65-135
79	Nonane	5.000	5.403	108.06	65-135
80	Bromoform	5.000	5.823	116.45	65-135
81	Styrene	5.000	5.525	110.51	65-135
82	o-Xylene	5.000	5.239	104.77	65-135
84	1,1,2,2-Tetrachlor	5.000	5.198	103.95	65-135
85	1,2,3-Trichloropro	5.000	5.318	106.35	65-135

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Report Date: 13-Feb-2013 11:12

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
86 Cumene	5.000	5.304	106.09	65-135
87 n-Propylbenzene	5.000	5.452	109.05	65-135
88 2-chlorotoluene	5.000	5.290	105.80	65-135
89 4-Ethyltoluene	5.000	5.375	107.50	65-135
90 1,3,5-Trimethylben	5.000	5.235	104.70	65-135
91 Alpha-Methylstyren	5.000	5.558	111.15	65-135
92 Decane	5.000	5.608	112.16	65-135
94 1,2,4-Trimethylben	5.000	5.336	106.72	65-135
93 tert-butylbenzene	5.000	5.230	104.60	65-135
95 sec-butylbenzene	5.000	5.309	106.17	65-135
96 1,3-Dichlorobenzen	5.000	5.139	102.78	65-135
98 1,4-Dichlorobenzen	5.000	5.140	102.81	65-135
97 Benzyl Chloride	5.000	5.645	112.91	65-135
99 p-Cymene	5.000	5.418	108.36	65-135
100 ~ 1,2,3- Trimethyl	5.088	5.302	104.22	65-135
101 ~ n-butylcyclohexa	5.038	5.134	101.92	65-135
102 ~ Indane	5.100	5.392	105.73	65-135
103 1,2-Dichlorobenzen	5.000	5.102	102.05	65-135
104 n-butylbenzene	5.000	5.225	104.51	65-135
105 ~ Indene	5.012	5.436	108.44	65-135
106 Undecane	5.000	5.857	117.14	65-135
107 ~ 1,2-dimethyl-4-e	5.000	5.192	103.85	65-135
108 ~ 1,2,4,5-tetramet	5.112	5.278	103.25	65-135
109 ~ 1,2,3,5-tetramet	5.025	5.238	104.25	65-135
110 ~ 1,2,3,4-tetramet	5.125	5.259	102.61	65-135
111 Dodecane	5.000	3.830	76.60	65-135
112 1,2,4-Trichloroben	5.000	4.049	80.99	65-135
113 Napthalene	5.000	4.261	85.22	65-135
114 ~ benzo(b) thiophe	5.088	5.243	103.06	65-135
115 Hexachlorobutadien	5.000	4.230	84.60	65-135
116 1,2,3-trichloroben	5.000	4.008	80.17	65-135
117 ~ 2-Methylnaphthal	31.25	50.10	160.32*	65-135
118 ~ 1-Methylnaphthal	31.25	55.26	176.83*	65-135

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	10.00	9.991	99.91	70-130


Data File: /var/chem/gcms/mg.i/G021213I.b/gicvb12.d
Date : 12-FEB-2013 20:06
Client ID: ICV
Sample Info: ICV,,3,,,ICV
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene
/var/chem/gcms/mg.i/G021213I.b/gicvb12.d
Min

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 13 & KNOX-MS-0023, Rev 0

Analysis Date:	3/1/13	CCAL Batch/ Scan Name:	G030113A	Instrument:	MG	ICAL Batch/ Scan Name:	G021213I	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)		✓		VA 34 2-hex 36 eta 35 THF 36 35 1-hex 35 35 1,4Dx 36 35 Tol 36 38 nap 38 123 42	✓
6. Is the %D ≤ 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)tailing; 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%, and no two consecutive MEs). 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	✓
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.		✓			✓

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

Analyst:	Date: 3/1/13	2nd Level Reviewer :	Date: 3/2/13
Comments:		Comments:	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: HMC Qtims Batch: 3061010 (MX886)

Date: 3/1/13 ICAL Batch: G021213E Target Batch: G030113A IS #1 Area: 385160

Surr/IS ID & Vol.: 40mlV462 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☑ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1020	✓	7440	GBFABC01	—	16	100	1	
1049	N	CCV	CCVC01	CX2440	15			
1132	✓	CCV	CCVC01A					VIA -37 2-butt -38 ela -35 THF -36 -37 1,4DFB -37 124 -36 nap -38 123 -42
1132	✓	LCS	~~GCCV~~ LCSC01A 3/1/13 HH					
1252	✓	BLK	leak	—	16	500	1	
1342	✓	↓	GBLKC01	—	↓	↓	1	
1432	✓	H3B280421	MX8EE1AA	6122	1	100		Mystic elev 5
1522	✓		8EJ	7489	2	100		elev 5
1611	✓		8EL	7494	3	100		
1701	✓		8EQ	12270	4			elev 5
1751	✓		8EV	6522	5			
1841	✓		8EX	04311	6			elev 5
1932	IS		8EJ	1319N	7	50		RR 20ml
2022	IS		8EZ	93149	8	20		RR 20ml
2112	IS		8EY	6575	9	25		RR 25ml
2202	✓		8E6	12878	10	~~100~~ 50		50ml RR 100ml
2252	IS	↓	8EC	6373	11	20		amnt on RR 20ml
2342	IS	H3B280424	MX8GF1AA	04390	12	500	1	
0032	IS		8GH	6602	13			
0121	✓		8GJ	92098	14			
0213	✓		8GM	12587	15			
0304	dup		8GMD	↓	15			
0356	✓		8GQ1AA	1497	1	500	1	
0448	✓	Lot ✓	10389	11426	2			
0539	200ml		10389B	12268	3			DFM chloromethane
0629	✓	↓	10391	SL1231	4	200	↓	
				3/2/13				

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

Analyst: [signature] Date: 3/2/13

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	100	3/1/2013	10:20
15	100	3/1/2013	10:49
15	100	3/1/2013	11:32
16	502	3/1/2013	12:51
16	500	3/1/2013	13:42
1	100	3/1/2013	14:32
2	100	3/1/2013	15:22
3	102	3/1/2013	16:11
4	102	3/1/2013	17:01
5	101	3/1/2013	17:51
6	102	3/1/2013	18:41
7	50	3/1/2013	19:32
8	20	3/1/2013	20:22
9	25	3/1/2013	21:12
10	50	3/1/2013	22:02
11	20	3/1/2013	22:52
12	501	3/1/2013	23:42
13	502	3/2/2013	0:32
14	501	3/2/2013	1:21
15	501	3/2/2013	2:13
15	501	3/2/2013	3:04
1	501	3/2/2013	3:56
2	502	3/2/2013	4:48
3	500	3/2/2013	5:39
4	200	3/2/2013	6:29

Data File: /chem/gcms/mg.i/G030113A.b/gbfbo01.d

Date : 01-MAR-2013 10:20

Client ID: BFB

Instrument: mg.i

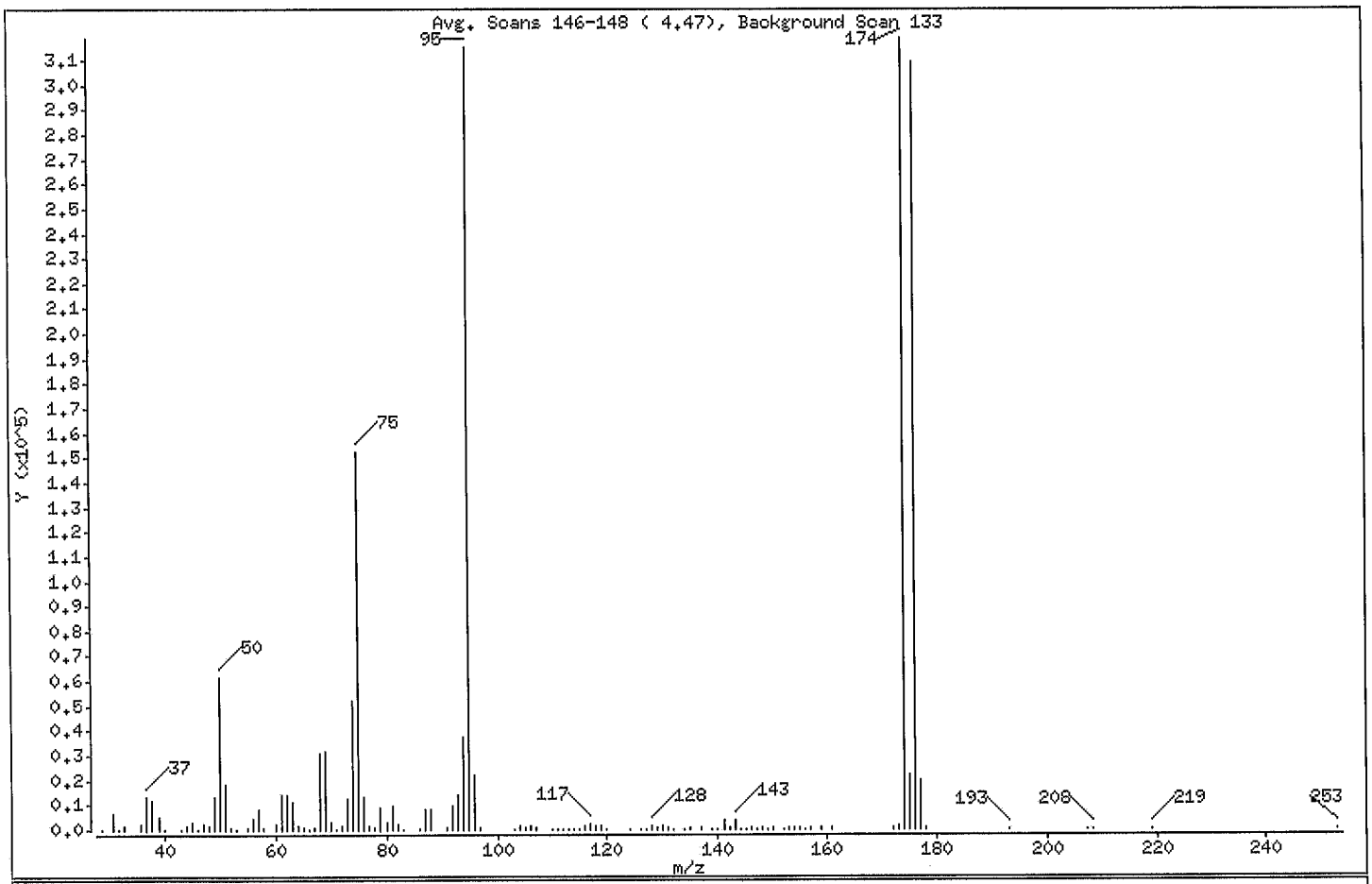
Sample Info: BFB,,3,,,BFB

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	19.57
75	30.00 - 60.00% of mass 95	48.34
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.52 (0.51)
174	50.00 - 120.00% of mass 95	101.27
175	5.00 - 9.00% of mass 174	7.03 (6.94)
176	95.00 - 101.00% of mass 174	98.29 (97.06)
177	5.00 - 9.00% of mass 176	6.38 (6.49)

Data File: /chem/gcms/mg.i/G030113A.b/gbfbo01.d

Date : 01-MAR-2013 10:20

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

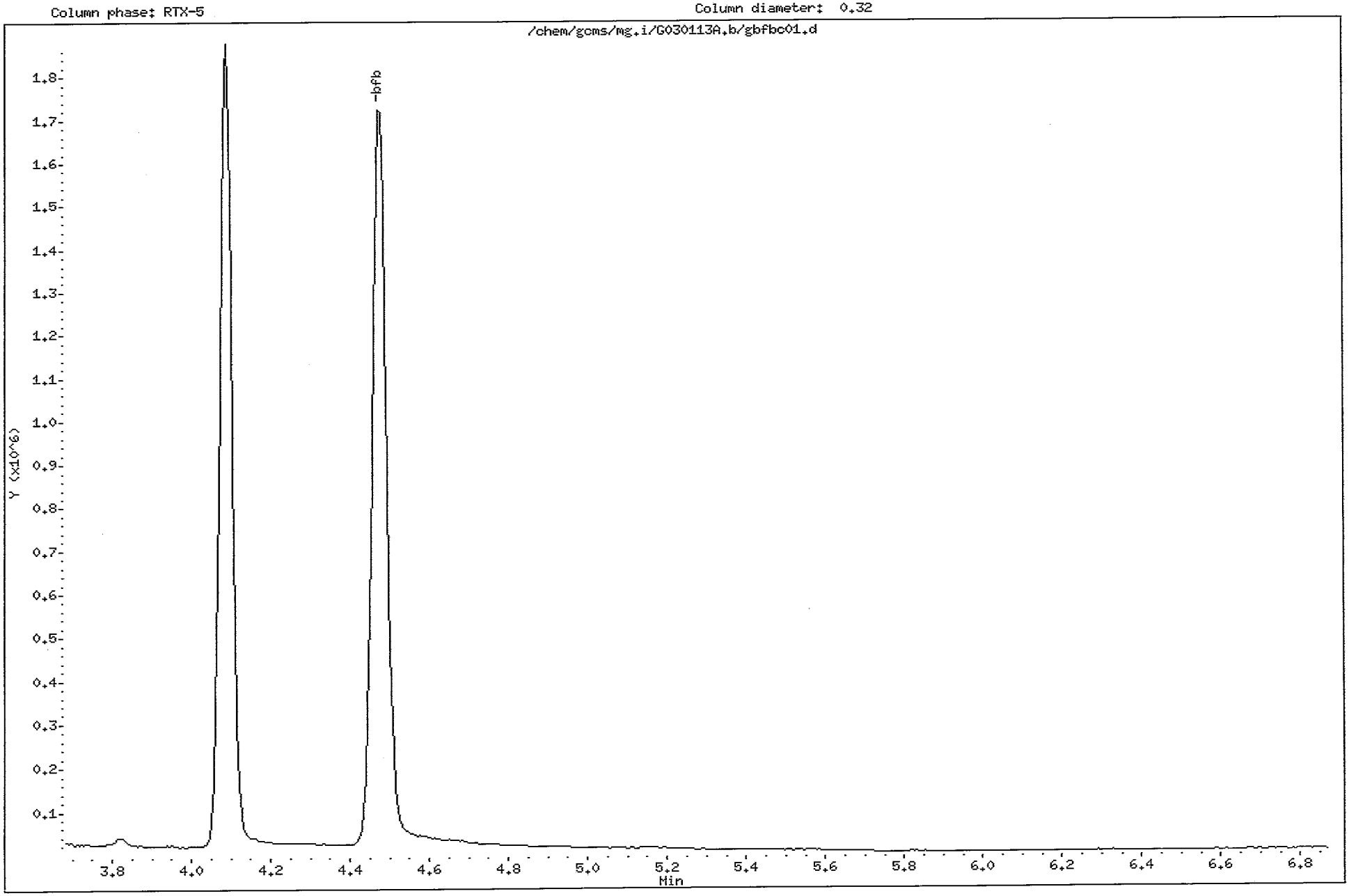
Data File: gbfbo01.d
Spectrum: Avg. Scans 146-148 (4.47), Background Scan 133
Location of Maximum: 174.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	193	66.00	51	105.00	448	144.00	265
31.00	6696	67.00	607	106.00	1469	145.00	326
32.00	31	68.00	30520	107.00	438	146.00	544
33.00	1578	69.00	31816	110.00	237	147.00	320
36.00	2243	70.00	2692	111.00	297	148.00	972
37.00	13152	71.00	61	112.00	178	149.00	310
38.00	11743	72.00	1420	113.00	334	150.00	437
39.00	4988	73.00	12560	114.00	106	152.00	145
40.00	168	74.00	52136	115.00	293	153.00	388
43.00	66	75.00	152192	116.00	1187	154.00	390
44.00	1367	76.00	12901	117.00	1899	155.00	973
45.00	2768	77.00	1265	118.00	1297	156.00	209
46.00	271	78.00	540	119.00	1573	157.00	695
47.00	2472	79.00	8729	120.00	117	159.00	459
48.00	1686	80.00	2951	124.00	241	161.00	442
49.00	12871	81.00	9267	126.00	132	172.00	536
50.00	61592	82.00	1843	127.00	122	173.00	1623
51.00	18064	83.00	195	128.00	1430	174.00	318784
52.00	780	86.00	226	129.00	659	175.00	22120
53.00	88	87.00	8099	130.00	1390	176.00	309376
55.00	799	88.00	7911	131.00	555	177.00	20072
56.00	4675	91.00	909	132.00	54	178.00	590
57.00	8154	92.00	9350	134.00	162	193.00	63
58.00	404	93.00	14005	135.00	718	207.00	26
60.00	2503	94.00	37624	137.00	619	208.00	70
61.00	13825	95.00	314816	139.00	55	219.00	57
62.00	13762	96.00	21672	140.00	218	253.00	78
63.00	10840	97.00	694	141.00	3703		
64.00	1118	103.00	245	142.00	487		
65.00	539	104.00	1474	143.00	3972		

Data File: /chem/gcms/mg.i/G030113A.b/gbfbc01.d
Date : 01-MAR-2013 10:20
Client ID: BFB
Sample Info: BFB,,3,,,BFB

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

Column phase: RTX-5



Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc01a.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gcms/mg.i/G030113A.b/TO15.m

Injection Date: 01-MAR-2013 11:32
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 4-Bromofluorobenzene	0.70922	0.72068	0.000	-1.61467	30.00000	Averaged
M 83 Xylene (total)	1.00701	0.96906	0.000	3.76838	30.00000	Averaged
5 Chlorodifluoromethane	0.35745	0.33519	0.000	6.22682	30.00000	Averaged
6 Propene	1.12327	0.97476	0.000	13.22101	30.00000	Averaged
7 Dichlorodifluoromethane	3.58989	3.61389	0.000	-0.66842	30.00000	Averaged
8 Chloromethane	0.37242	0.34616	0.000	7.05159	30.00000	Averaged
9 1,2-Dichlorotetrafluoroetha	2.64085	3.07626	0.000	-16.48741	30.00000	Averaged
10 Methanol	0.22617	0.18559	0.000	17.94390	30.00000	Averaged
11 ~ acetaldehyde	0.35755	0.34225	0.000	4.27749	50.00000	Averaged
12 Vinyl Chloride	1.05978	1.25881	0.000	-18.78063	30.00000	Averaged
13 n-Butane	1.74294	1.92762	0.000	-10.59569	30.00000	Averaged
14 1,3-Butadiene	0.86848	0.93770	0.000	-7.97000	30.00000	Averaged
15 Bromomethane	1.00176	1.20982	0.000	-20.76980	30.00000	Averaged
16 Chloroethane	0.47285	0.54247	0.000	-14.72514	30.00000	Averaged
17 ~ ethanol	0.32110	0.21671	0.000	32.50940	50.00000	Averaged
18 Vinyl Bromide	1.03731	1.17756	0.000	-13.52136	30.00000	Averaged
19 2-methyl butane	1.07890	1.26692	0.000	-17.42616	30.00000	Averaged
20 Trichlorofluoromethane	3.29542	3.90604	0.000	-18.52928	30.00000	Averaged
21 Acrolein	0.24873	0.26483	0.000	-6.47346	30.00000	Averaged
22 Acetonitrile	0.33367	0.31797	0.000	4.70491	30.00000	Averaged
25 Pentane	0.16587	0.19370	0.000	-16.77423	30.00000	Averaged
23 Acetone	0.35831	0.32131	0.000	10.32659	30.00000	Averaged
24 Isopropyl alcohol	1.09180	0.86411	0.000	20.85443	30.00000	Averaged
26 Ethyl Ether	1.10436	0.90424	0.000	18.12118	30.00000	Averaged
27 1,1-Dichloroethene	1.21568	1.00202	0.000	17.57589	30.00000	Averaged
29 Acrylonitrile	0.83083	0.60875	0.000	26.73068	30.00000	Averaged
30 1,1,2-Trichlorotrifluoroeth	2.52597	2.13636	0.000	15.42411	30.00000	Averaged
28 tert-butanol	1.73185	1.22754	0.000	29.11976	30.00000	Averaged
31 Methylene Chloride	1.06612	0.83873	0.000	21.32819	30.00000	Averaged
32 3-Chloropropene	1.00604	0.74630	0.000	25.81834	30.00000	Averaged
33 Carbon Disulfide	3.42991	3.12672	0.000	8.83970	30.00000	Averaged
35 ~ 2-Methyl Pentane	3.07049	2.51813	0.000	17.98909	50.00000	Averaged
34 trans-1,2-Dichloroethene	1.28279	1.18695	0.000	7.47109	30.00000	Averaged
36 Methyl-t-Butyl Ether	2.81384	2.17405	0.000	22.73703	30.00000	Averaged
37 1,1-Dichloroethane	2.22697	1.73742	0.000	21.98279	30.00000	Averaged

Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc01a.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gcms/mg.i/G030113A.b/TO15.m

Injection Date: 01-MAR-2013 11:32
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Vinyl Acetate	2.92044	1.93990	0.000	33.57496	30.00000	Averaged	<- 60-140
39 2-Butanone	0.51660	0.32230	0.000	37.61149	30.00000	Averaged	<- 60-140
40 Hexane	1.06727	0.88258	0.000	17.30509	30.00000	Averaged	
41 cis 1,2-Dichloroethene	1.31713	1.07741	0.000	18.20018	30.00000	Averaged	
42 Ethyl acetate	2.47555	1.59775	0.000	35.45883	30.00000	Averaged	<- 60-140
43 Chloroform	2.52740	2.17129	0.000	14.08976	30.00000	Averaged	
44 Tetrahydrofuran	1.38434	0.88805	0.000	35.85003	30.00000	Averaged	<- 60-140
45 1,1,1-Trichloroethane	2.68610	2.43854	0.000	9.21629	30.00000	Averaged	
46 1,2-Dichloroethane	0.37095	0.36547	0.000	1.47853	30.00000	Averaged	
49 Cyclohexane	0.12582	0.12384	0.000	1.57464	30.00000	Averaged	
48 Benzene	0.76609	0.69837	0.000	8.84001	30.00000	Averaged	
50 Carbon Tetrachloride	0.52763	0.56972	0.000	-7.97669	30.00000	Averaged	
51 ~ 2,3-dimethylpentane	0.16611	0.16436	0.000	1.05606	50.00000	Averaged	
47 1-Butanol	0.07912	0.04958	0.000	37.33961	30.00000	Averaged	<- 60-140
52 ~ Thiophene	0.46052	0.46713	0.000	-1.43549	50.00000	Averaged	
53 2,2,4-trimethylpentane	1.32896	1.26066	0.000	5.13939	30.00000	Averaged	
54 Heptane	0.27110	0.26557	0.000	2.03694	30.00000	Averaged	
55 1,2-Dichloropropane	0.28264	0.24941	0.000	11.75428	30.00000	Averaged	
56 Trichloroethene	0.41972	0.46918	0.000	-11.78398	30.00000	Averaged	
180 ~ 2-nitropropane	++++	0.01432	0.000	++++	30.00000	Averaged	<-
57 Dibromomethane	0.31578	0.33106	0.000	-4.83661	30.00000	Averaged	
58 Bromodichloromethane	0.55415	0.59357	0.000	-7.11423	30.00000	Averaged	
60 Methyl Methacrylate	0.32325	0.24320	0.000	24.76394	30.00000	Averaged	
59 1,4-dioxane	0.08041	0.05045	0.000	37.25353	30.00000	Averaged	<- 60-140
61 ~ methyl cyclohexane	0.48498	0.49430	0.000	-1.92150	50.00000	Averaged	
63 cis-1,3-Dichloropropene	0.37688	0.37131	0.000	1.47734	30.00000	Averaged	
62 4-Methyl-2-pentanone	0.49314	0.39670	0.000	19.55670	30.00000	Averaged	
64 trans-1,3-Dichloropropene	0.41270	0.38942	0.000	5.64063	30.00000	Averaged	
65 Toluene	1.05966	0.98233	0.000	7.29744	30.00000	Averaged	
66 1,1,2-Trichloroethane	0.29383	0.28312	0.000	3.64633	30.00000	Averaged	
67 ~ 2-methyl thiophene	0.91088	0.89835	0.000	1.37548	50.00000	Averaged	
68 ~ 3-methyl thiophene	0.89709	0.87018	0.000	2.99960	50.00000	Averaged	
69 2-Hexanone	0.26748	0.22018	0.000	17.68255	30.00000	Averaged	
70 Octane	0.34455	0.34308	0.000	0.42885	30.00000	Averaged	
71 Dibromochloromethane	0.64209	0.70478	0.000	-9.76355	30.00000	Averaged	

Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc01a.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gcms/mg.i/G030113A.b/TO15.m

Injection Date: 01-MAR-2013 11:32
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
72 1,2-Dibromoethane	0.55017	0.54234	0.000	1.42433	30.00000	Averaged
73 Tetrachloroethene	0.41562	0.44137	0.000	-6.19561	30.00000	Averaged
75 ~ 2,3-dimethylheptane	1.01810	0.94698	0.000	6.98597	50.00000	Averaged
74 Chlorobenzene	0.85290	0.85662	0.000	-0.43603	30.00000	Averaged
76 Ethylbenzene	1.30815	1.21755	0.000	6.92570	30.00000	Averaged
77 ~ 2-ethyl thiophene	0.98515	0.94947	0.000	3.62243	50.00000	Averaged
78 m&p-Xylene	1.01485	0.96012	0.000	5.39299	30.00000	Averaged
79 Nonane	0.66340	0.61479	0.000	7.32788	30.00000	Averaged
80 Bromoform	0.59409	0.65825	0.000	-10.79823	30.00000	Averaged
81 Styrene	0.73885	0.70415	0.000	4.69693	30.00000	Averaged
82 o-Xylene	1.03227	0.98695	0.000	4.39029	30.00000	Averaged
84 1,1,2,2-Tetrachloroethane	0.73040	0.65699	0.000	10.05078	30.00000	Averaged
85 1,2,3-Trichloropropane	0.22685	0.21874	0.000	3.57352	30.00000	Averaged
86 Cumene	1.48232	1.41845	0.000	4.30883	30.00000	Averaged
87 n-Propylbenzene	0.42513	0.39523	0.000	7.03330	30.00000	Averaged
88 2-chlorotoluene	0.41658	0.41717	0.000	-0.14016	30.00000	Averaged
89 4-Ethyltoluene	1.46577	1.31606	0.000	10.21346	30.00000	Averaged
90 1,3,5-Trimethylbenzene	0.72950	0.65553	0.000	10.13971	30.00000	Averaged
91 Alpha-Methylstyrene	0.61160	0.56209	0.000	8.09592	30.00000	Averaged
92 Decane	0.77779	0.71090	0.000	8.59959	30.00000	Averaged
93 tert-butylbenzene	1.36197	1.24721	0.000	8.42622	30.00000	Averaged
94 1,2,4-Trimethylbenzene	1.18356	1.09584	0.000	7.41191	30.00000	Averaged
95 sec-butylbenzene	1.75785	1.60432	0.000	8.73391	30.00000	Averaged
96 1,3-Dichlorobenzene	0.89096	0.86804	0.000	2.57200	30.00000	Averaged
97 Benzyl Chloride	0.87011	0.82181	0.000	5.55160	30.00000	Averaged
98 1,4-Dichlorobenzene	0.86041	0.82375	0.000	4.26044	30.00000	Averaged
99 p-Cymene	1.45599	1.33901	0.000	8.03389	30.00000	Averaged
100 ~ 1,2,3- Trimethylbenzene	1.00245	0.91079	0.000	9.14391	50.00000	Averaged
101 ~ n-butylcyclohexane	0.98041	0.91676	0.000	6.49161	50.00000	Averaged
102 ~ Indane	1.13920	1.07683	0.000	5.47498	50.00000	Averaged
103 1,2-Dichlorobenzene	0.84883	0.81215	0.000	4.32186	30.00000	Averaged
104 n-butylbenzene	1.28916	1.11595	0.000	13.43551	30.00000	Averaged
105 ~ Indene	1.13179	1.02144	0.000	9.75032	50.00000	Averaged
106 Undecane	0.70072	0.50173	0.000	28.39738	30.00000	Averaged
107 ~ 1,2-dimethyl-4-ethylenzen	1.40396	1.16634	0.000	16.92447	50.00000	Averaged
108 ~ 1,2,4,5-tetramethylbenzen	1.34882	1.11682	0.000	17.20081	50.00000	Averaged

Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc01a.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gcms/mg.i/G030113A.b/TO15.m

Injection Date: 01-MAR-2013 11:32
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
109 ~ 1,2,3,5-tetramethylbenzen	0.84873	0.70557	0.000	16.86728	50.00000	Averaged	
110 ~ 1,2,3,4-tetramethylbenzen	1.02402	0.83756	0.000	18.20845	50.00000	Averaged	
111 Dodecane	0.59196	0.41950	0.000	29.13443	30.00000	Averaged	
112 1,2,4-Trichlorobenzene	0.56663	0.36429	0.000	35.71022	30.00000	Averaged	<-60-140
113 Napthalene	1.16612	0.71939	0.000	38.30905	30.00000	Averaged	<-40-140
114 ~ benzo(b) thiophene	0.77365	0.57671	0.000	25.45617	50.00000	Averaged	
115 Hexachlorobutadiene	0.70607	0.53625	0.000	24.05237	30.00000	Averaged	
116 1,2,3-trichlorobenzene	0.47249	0.27265	0.000	42.29494	30.00000	Averaged	<-40-140
117 ~ 2-Methylnaphthalene	0.04960	0.03457	0.000	30.31654	50.00000	Averaged	
118 ~ 1-Methylnaphthalene	0.03475	0.02414	0.000	30.52495	50.00000	Averaged	

Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 01-MAR-2013 11:32
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,2,6,,CCV/LCS
Misc Info : G030113A,TO15,all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 01-Mar-2013 12:03 chemist Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	385160	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.652	9.652	(1.000)	1517394	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1361313	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	981064	4.00000	4.064
M	83 Xylene (total)	100				1978796	6.00000	5.696
	5 Chlorodifluoromethane	67	3.450	3.450	(0.455)	64551	2.00000	1.875
	6 Propene	41	3.456	3.456	(0.456)	187719	2.00000	1.736
	7 Dichlorodifluoromethane	85	3.493	3.493	(0.461)	695963	2.00000	2.013
	8 Chloromethane	52	3.628	3.628	(0.479)	66663	2.00000	1.859
	9 1,2-Dichlorotetrafluoroethane	135	3.628	3.628	(0.479)	592426	2.00000	2.330
	10 Methanol	31	3.741	3.741	(0.494)	35740	2.00000	1.641
	11 ~ acetaldehyde	44	3.747	3.747	(0.494)	329556	10.0000	9.572
	12 Vinyl Chloride	62	3.752	3.752	(0.495)	242422	2.00000	2.376
	13 n-Butane	43	3.812	3.812	(0.503)	371221	2.00000	2.212
	14 1,3-Butadiene	54	3.812	3.812	(0.503)	180582	2.00000	2.159

Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

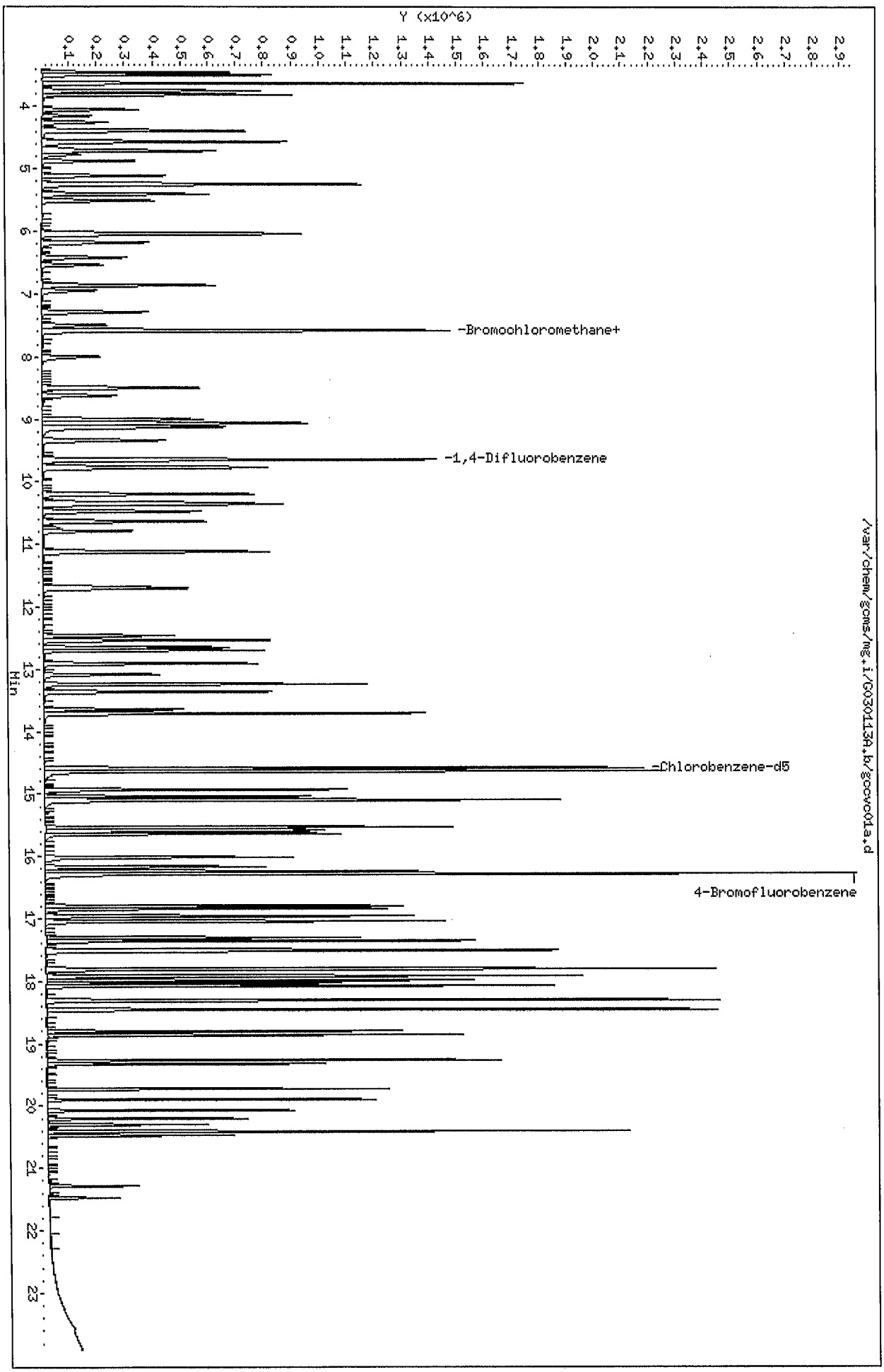
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
15 Bromomethane	94	4.054	4.054	(0.535)	232987	2.00000	2.415
16 Chloroethane	64	4.151	4.151	(0.548)	104469	2.00000	2.294
17 ~ ethanol	31	4.254	4.254	(0.561)	208672	10.0000	6.749
18 Vinyl Bromide	106	4.372	4.372	(0.577)	226775	2.00000	2.270
19 2-methyl butane	43	4.394	4.394	(0.580)	243982	2.00000	2.348
20 Trichlorofluoromethane	101	4.566	4.566	(0.602)	752225	2.00000	2.370
21 Acrolein	56	4.599	4.599	(0.607)	51000	2.00000	2.129
22 Acetonitrile	40	4.669	4.669	(0.616)	61234	2.00000	1.906
25 Pentane	72	4.717	4.717	(0.622)	37302	2.00000	2.335
23 Acetone	58	4.696	4.696	(0.619)	61877	2.00000	1.793
24 Isopropyl alcohol	45	4.771	4.771	(0.629)	166410	2.00000	1.583
26 Ethyl Ether	31	4.874	4.874	(0.643)	174138	2.00000	1.638
27 1,1-Dichloroethene	96	5.111	5.111	(0.674)	192968	2.00000	1.648
29 Acrylonitrile	53	5.235	5.235	(0.691)	117232	2.00000	1.465
30 1,1,2-Trichlorotrifluoroethane	101	5.246	5.246	(0.692)	411421	2.00000	1.692
28 tert-butanol	59	5.235	5.235	(0.691)	236400	2.00000	1.418
31 Methylene Chloride	84	5.408	5.408	(0.713)	161523	2.00000	1.573
32 3-Chloropropene	39	5.408	5.408	(0.713)	143722	2.00000	1.484
33 Carbon Disulfide	76	5.510	5.510	(0.727)	602143	2.00000	1.823
35 ~ 2-Methyl Pentane	43	6.033	6.033	(0.796)	484942	2.00000	1.640
34 trans-1,2-Dichloroethene	96	6.055	6.055	(0.799)	228583	2.00000	1.850
36 Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	418679	2.00000	1.545
37 1,1-Dichloroethane	63	6.421	6.421	(0.847)	334592	2.00000	1.560
38 Vinyl Acetate	43	6.535	6.535	(0.862)	373586	2.00000	1.328
39 2-Butanone	72	6.945	6.945	(0.916)	62068	2.00000	1.248
40 Hexane	56	6.864	6.864	(0.905)	169967	2.00000	1.654
41 cis 1,2-Dichloroethene	96	7.295	7.295	(0.962)	207487	2.00000	1.636
42 Ethyl acetate	43	7.495	7.495	(0.989)	307694	2.00000	1.291
43 Chloroform	83	7.592	7.592	(1.001)	418148	2.00000	1.718
44 Tetrahydrofuran	42	7.996	7.996	(1.055)	171021	2.00000	1.283
45 1,1,1-Trichloroethane	97	8.498	8.498	(1.121)	469614	2.00000	1.816
46 1,2-Dichloroethane	62	8.622	8.622	(0.893)	277278	2.00000	1.970
49 Cyclohexane	69	9.010	9.010	(0.934)	93953	2.00000	1.968
48 Benzene	78	9.064	9.064	(0.939)	529851	2.00000	1.823
50 Carbon Tetrachloride	117	9.080	9.080	(0.941)	432247	2.00000	2.160
51 ~ 2,3-dimethylpentane	71	9.128	9.128	(0.946)	124697	2.00000	1.979
47 1-Butanol	31	9.155	9.155	(0.949)	37612	2.00000	1.253
52 ~ Thiophene	84	9.339	9.339	(0.968)	354408	2.00000	2.029
53 2,2,4-trimethylpentane	57	9.776	9.776	(1.013)	956458	2.00000	1.897
54 Heptane	71	10.202	10.202	(1.057)	201489	2.00000	1.959
55 1,2-Dichloropropane	63	10.331	10.331	(1.070)	189229	2.00000	1.765
56 Trichloroethene	130	10.369	10.369	(1.074)	355966	2.00000	2.236
180 ~ 2-nitropropane	43	10.735	10.735	(1.112)	10864	2.00000	
57 Dibromomethane	93	10.477	10.477	(1.085)	251171	2.00000	2.097
58 Bromodichloromethane	83	10.638	10.638	(1.102)	450342	2.00000	2.142
60 Methyl Methacrylate	41	10.789	10.789	(1.118)	184513	2.00000	1.505
59 1,4-dioxane	88	10.735	10.735	(1.112)	38278	2.00000	1.255

Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
61 ~ methyl cyclohexane	83	11.124	11.124	(1.153)	375021	2.00000	2.038
63 cis-1,3-Dichloropropene	75	11.711	11.711	(1.213)	281713	2.00000	1.970
62 4-Methyl-2-pentanone	43	11.674	11.674	(1.210)	300973	2.00000	1.609
64 trans-1,3-Dichloropropene	75	12.461	12.461	(0.854)	265063	2.00000	1.887
65 Toluene	91	12.536	12.536	(0.859)	668632	2.00000	1.854
66 1,1,2-Trichloroethane	83	12.650	12.650	(0.867)	192704	2.00000	1.927
67 ~ 2-methyl thiophene	97	12.698	12.698	(0.870)	611471	2.00000	1.972
68 ~ 3-methyl thiophene	97	12.908	12.908	(0.885)	592296	2.00000	1.940
69 2-Hexanone	58	13.086	13.086	(0.897)	149867	2.00000	1.646
70 Octane	85	13.243	13.243	(0.908)	233517	2.00000	1.991
71 Dibromochloromethane	129	13.361	13.361	(0.916)	479712	2.00000	2.195
72 1,2-Dibromoethane	107	13.647	13.647	(0.935)	369146	2.00000	1.972
73 Tetrachloroethene	129	13.712	13.712	(0.940)	300421	2.00000	2.124
75 ~ 2,3-dimethylheptane	43	14.645	14.645	(1.004)	644565	2.00000	1.860
74 Chlorobenzene	112	14.639	14.639	(1.003)	583065	2.00000	2.009
76 Ethylbenzene	91	14.936	14.936	(1.024)	828733	2.00000	1.861
77 ~ 2-ethyl thiophene	97	15.044	15.044	(1.031)	646260	2.00000	1.928
78 m&p-Xylene	91	15.103	15.103	(1.035)	1307024	4.00000	3.784
79 Nonane	57	15.535	15.535	(1.065)	418458	2.00000	1.853
80 Bromoform	173	15.562	15.562	(1.067)	448039	2.00000	2.216
81 Styrene	104	15.588	15.588	(1.068)	479281	2.00000	1.906
82 o-Xylene	91	15.637	15.637	(1.072)	671771	2.00000	1.912
84 1,1,2,2-Tetrachloroethane	83	16.014	16.014	(1.098)	447182	2.00000	1.799
85 1,2,3-Trichloropropane	110	16.165	16.165	(1.108)	148890	2.00000	1.928
86 Cumene	105	16.241	16.241	(1.113)	965479	2.00000	1.914
87 n-Propylbenzene	120	16.802	16.802	(1.152)	269012	2.00000	1.859
88 2-chlorotoluene	126	16.840	16.840	(1.154)	283946	2.00000	2.003
89 4-Ethyltoluene	105	16.958	16.958	(1.162)	895784	2.00000	1.796
90 1,3,5-Trimethylbenzene	120	17.044	17.044	(1.168)	446188	2.00000	1.797
91 Alpha-Methylstyrene	118	17.309	17.309	(1.186)	382587	2.00000	1.838
92 Decane	57	17.357	17.357	(1.190)	483880	2.00000	1.828
93 tert-butylbenzene	119	17.503	17.503	(1.200)	848918	2.00000	1.831
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	745888	2.00000	1.852
95 sec-butylbenzene	105	17.799	17.799	(1.220)	1091993	2.00000	1.825
96 1,3-Dichlorobenzene	146	17.816	17.816	(1.221)	590838	2.00000	1.948
97 Benzyl Chloride	91	17.918	17.918	(1.228)	559369	2.00000	1.889
98 1,4-Dichlorobenzene	146	17.918	17.918	(1.228)	560691	2.00000	1.915
99 p-Cymene	119	17.988	17.988	(1.233)	911408	2.00000	1.839
100 ~ 1,2,3- Trimethylbenzene	105	18.037	18.037	(1.236)	619934	2.00000	1.817
101 ~ n-butylcyclohexane	83	18.074	18.074	(1.239)	623999	2.00000	1.870
102 ~ Indane	117	18.301	18.301	(1.254)	732952	2.00000	1.890
103 1,2-Dichlorobenzene	146	18.306	18.306	(1.255)	552793	2.00000	1.914
104 n-butylbenzene	91	18.457	18.457	(1.265)	759580	2.00000	1.731
105 ~ Indene	116	18.446	18.446	(1.264)	695250	2.00000	1.805
106 Undecane	57	18.797	18.797	(1.288)	341508	2.00000	1.432
107 ~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.856	(1.292)	793879	2.00000	1.662
108 ~ 1,2,4,5-tetramethylbenzene	119	19.261	19.261	(1.320)	760167	2.00000	1.656

Data File: /chem/gcms/mg.i/G030113A.b/gccvc01a.d
Report Date: 01-Mar-2013 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	19.320	19.320	(1.324)	480250	2.00000	1.663
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.724	(1.352)	570091	2.00000	1.636
111 Dodecane	57	19.897	19.897	(1.364)	285533	2.00000	1.417
112 1,2,4-Trichlorobenzene	180	20.070	20.070	(1.375)	247954	2.00000	1.286
113 Napthalene	128	20.199	20.199	(1.384)	489657	2.00000	1.234
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	392541	2.00000	1.491
115 Hexachlorobutadiene	225	20.409	20.409	(1.399)	365000	2.00000	1.519
116 1,2,3-trichlorobenzene	180	20.474	20.474	(1.403)	185583	2.00000	1.154
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.459)	147046	12.5000	8.710
118 ~ 1-Methylnaphthalene	142	21.472	21.472	(1.472)	102705	12.5000	8.684


Data File: /var/chem/gcms/mg.i/G030113A.b/gcvc01a.d
Date : 01-MAR-2013 11:32
Client ID: CCV/LCS
Sample Info: CCV,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
=Chlorobenzene-d5
4-Bromofluorobenzene
/var/chem/gcms/mg.i/G030113A.b/gcvc01a.d

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 13 & KNOX-MS-0023, Rev 0

Analysis Date:	3/2/13	CCAL Batch/ Scan Name:	G030213 ~~G020313~~ 3/4/13	Instrument:	MG	ICAL Batch/ Scan Name:	G021213I	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)		✓		14DFB .33 .31 IM4	✓
6. Is the %D ≤ 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)tailing; 4)RT shift; 5)wrong peak selected; 6)other	MH
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				MH
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%, and no two consecutive MEs). 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	✓
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				MH
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.		✓			✓

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

Analyst:	Date: 3/4/13	2nd Level Reviewer :	Date: 3/4/13
Comments:		Comments:	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: TB Qtims Batch: 3063014 MX9EA

Date: 3/3/13 3/4/13 ICAL Batch: G021213F Target Batch: G030213 IS #1 Area: 347074

Surr/IS ID & Vol.: 40mL V462 System Date/Time ok (y/n): Y

Preventive Maintenance Performed ☑ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1246	✓	tune	GBFBCO2	—	16	100	1	
1315	✓	ccv	GCCV+	CX2490	15	1		1,4dioX-33% 124tcb-31%
1315	✓	LCS	GLCSCO2	+	+	+		
1407	✓	lot ✓	10392	1356N	1	500		daily blk ✓
1511	N	leak ✓	leak ✓	—	16	1		
1707	✓	Blk	GBlkCO2	1356N	1	+		
1606	✓	H3B280424	MX8GF1AA	6602	1			can # 04390
1658	✓		GH	6602	2			
1750	E ✓		GC	12891	3			E ethane RR 100mL
1840	✓		GA	1150	4	50		
1930	✓		GD	12151	5	25		
2020	✓		GE	6606	6	+		
2109	RR 250mL		GG	6640	7	+		
2159	RR 80mL		GK	62330	8	25		
2249	RR 80mL		GN	1117	9	20		
2338	RR 250mL		GR	S-1528	10	+		
0028	RR 20mL	H3B280421	E1	1319N	11	20		
0117	✓		E2	93179	12	+		
0207	✓		E4	6575	13	25		
0257	RR 300mL 3/4/13 ✓		EC6	12878	14	100		elevs OK
0346	RR ✓ 3/4/13 ✓		ECV	6373	15	20		OK
0436	Inj		ECD	+	15	+		OK
leaked		lot ✓	10392B	1329B	16	500	1	
0528	N	lot ✓	10393	04339	16	500	1	leaked ↑ IS
0621	N	+	10393A	+	+	+	1	leaked 150mL

3/4/13

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

Analyst: _____ Date: 3/4/13

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	100	3/2/2013	12:46
15	100	3/2/2013	13:15
1	500	3/2/2013	14:07
16	500	3/2/2013	15:11
1	501	3/2/2013	16:06
2	501	3/2/2013	16:58
3	501	3/2/2013	17:50
4	50	3/2/2013	18:40
5	25	3/2/2013	19:30
6	25	3/2/2013	20:20
7	25	3/2/2013	21:09
8	25	3/2/2013	21:59
9	20	3/2/2013	22:49
10	20	3/2/2013	23:38
11	20	3/3/2013	0:28
12	20	3/3/2013	1:17
13	25	3/3/2013	2:07
14	100	3/3/2013	2:57
15	20	3/3/2013	3:46
15	20	3/3/2013	4:35
16	502	3/3/2013	5:28
16	501	3/3/2013	6:21

Data File: /chem/gcms/mg.i/G030213.b/gbfbc02.d

Date : 02-MAR-2013 12:46

Client ID: BFB

Instrument: mg.i

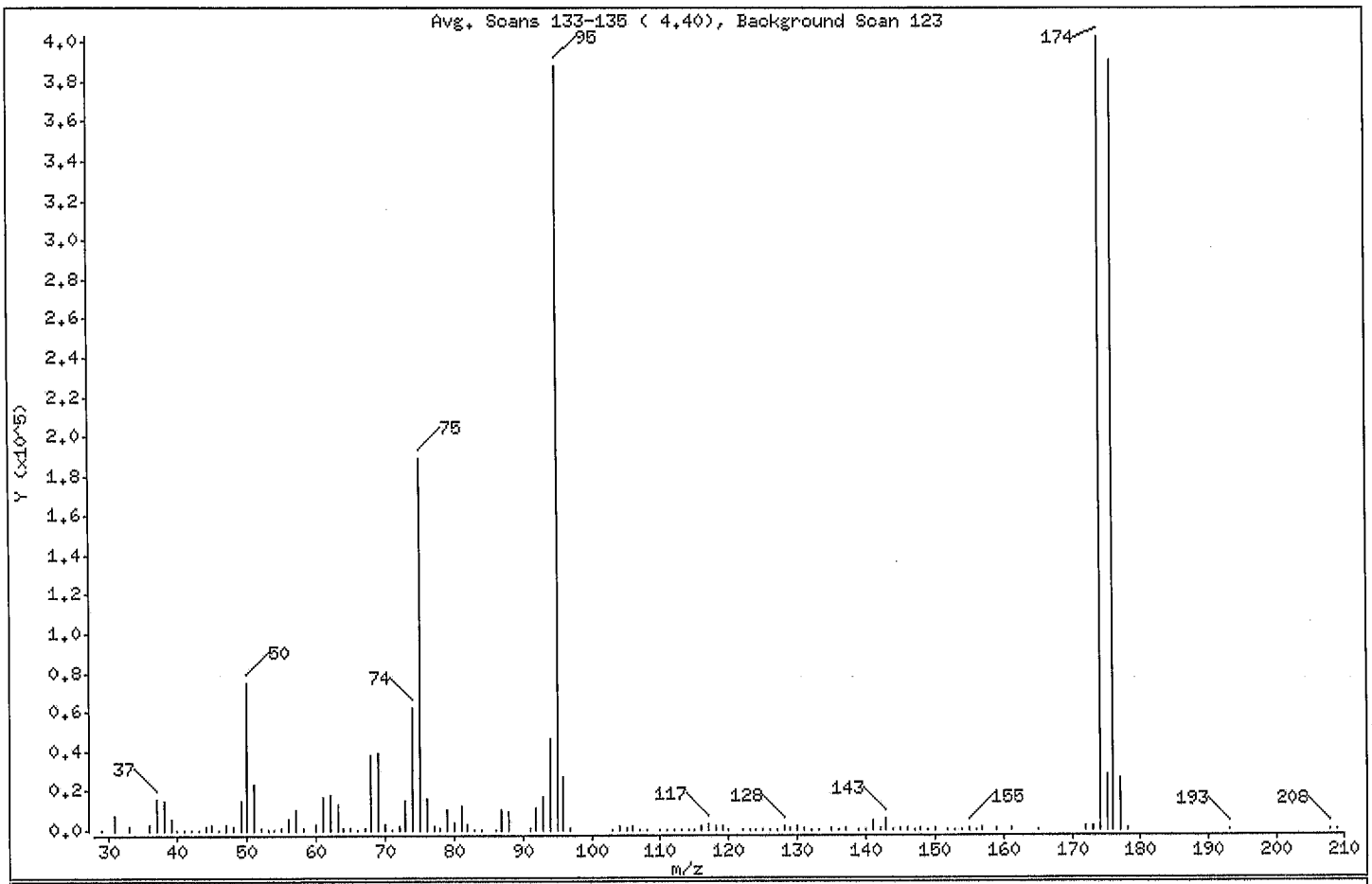
Sample Info: BFB,,3,,,BFB

Operator: 403648

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	19.34
75	30.00 - 60.00% of mass 95	48.67
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.52 (0.50)
174	50.00 - 120.00% of mass 95	103.85
175	5.00 - 9.00% of mass 174	7.23 (6.96)
176	95.00 - 101.00% of mass 174	100.86 (97.12)
177	5.00 - 9.00% of mass 176	6.58 (6.52)

Data File: /ohem/goms/mg.i/G030213.b/gbfbo02.d

Date : 02-MAR-2013 12:46

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 403648

Column phase: RTX-5

Column diameter: 0.32

Data File: gbfbo02.d

Spectrum: Avg. Scans 133-135 (4.40), Background Scan 123

Location of Maximum: 174.00

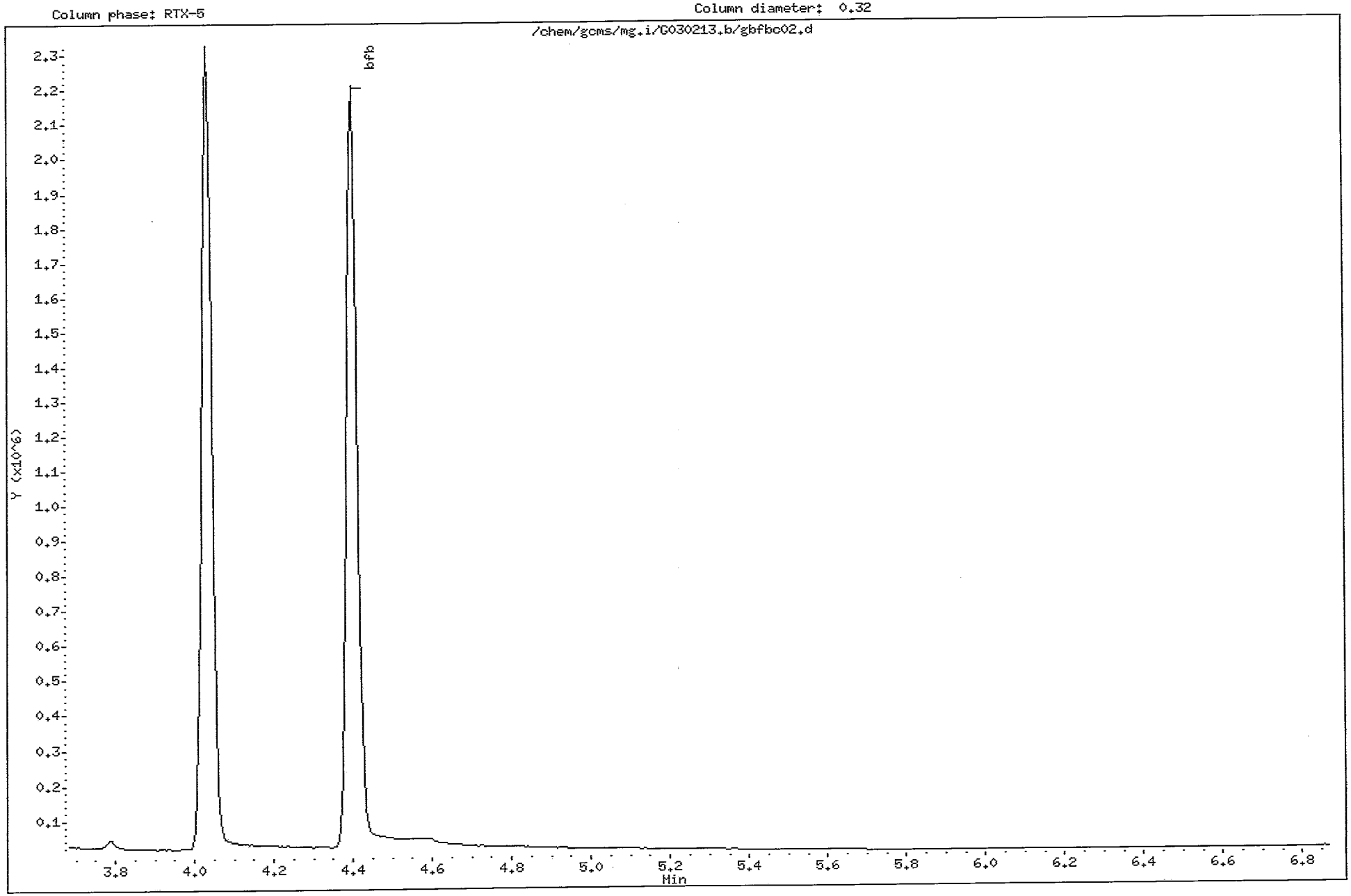
Number of points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	156	66.00	265	106.00	1665	142.00	623
31.00	7726	67.00	1003	107.00	457	143.00	5136
33.00	1815	68.00	38208	108.00	50	144.00	324
36.00	2602	69.00	38456	110.00	269	145.00	486
37.00	15533	70.00	3059	111.00	328	146.00	697
38.00	14601	71.00	60	112.00	367	147.00	366
39.00	6017	72.00	1742	113.00	334	148.00	1028
40.00	234	73.00	15060	114.00	62	149.00	394
41.00	64	74.00	62352	115.00	401	150.00	533
42.00	48	75.00	188864	116.00	1719	152.00	284
43.00	201	76.00	15870	117.00	2559	153.00	379
44.00	1611	77.00	1579	118.00	1633	154.00	329
45.00	3234	78.00	947	119.00	2048	155.00	1235
46.00	349	79.00	10240	120.00	105	156.00	182
47.00	3037	80.00	3973	122.00	51	157.00	824
48.00	1845	81.00	11632	123.00	50	159.00	518
49.00	14867	82.00	2884	124.00	300	161.00	487
50.00	75032	83.00	170	125.00	67	165.00	50
51.00	23144	84.00	50	126.00	195	172.00	1443
52.00	902	86.00	260	127.00	190	173.00	2021
53.00	122	87.00	10118	128.00	1798	174.00	403008
54.00	22	88.00	9585	129.00	790	175.00	28056
55.00	895	91.00	1228	130.00	1722	176.00	391424
56.00	5382	92.00	11264	131.00	774	177.00	25512
57.00	10386	93.00	16856	132.00	50	178.00	728
58.00	506	94.00	46696	133.00	115	193.00	133
60.00	2930	95.00	388032	135.00	849	208.00	135
61.00	16640	96.00	26744	136.00	197	209.00	67
62.00	17336	97.00	774	137.00	811		
63.00	13087	103.00	209	139.00	64		
64.00	1280	104.00	1717	140.00	319		
65.00	933	105.00	536	141.00	4906		

Data File: /chem/gcms/mg.i/G030213.b/gbfbc02.d
Date : 02-MAR-2013 12:46
Client ID: BFB
Sample Info: BFB,,3,,,BFB

Instrument: mg.i
Operator: 403648
Column diameter: 0.32

Column phase: RTX-5



Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc02.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030213.b/TO15.m

Injection Date: 02-MAR-2013 13:15
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 4-Bromofluorobenzene	0.70922	0.72535	0.000	-2.27318	30.00000	Averaged
M 83 Xylene (total)	1.00701	0.98019	0.000	2.66326	30.00000	Averaged
5 Chlorodifluoromethane	0.35745	0.33641	0.000	5.88627	30.00000	Averaged
6 Propene	1.12327	1.00769	0.000	10.28954	30.00000	Averaged
7 Dichlorodifluoromethane	3.58989	3.79566	0.000	-5.73192	30.00000	Averaged
8 Chloromethane	0.37242	0.39464	0.000	-5.96489	30.00000	Averaged
9 1,2-Dichlorotetrafluoroetha	2.64085	3.13385	0.000	-18.66814	30.00000	Averaged
10 Methanol	0.22617	0.21996	0.000	2.74876	30.00000	Averaged
11 ~ acetaldehyde	0.35755	0.38058	0.000	-6.44062	50.00000	Averaged
12 Vinyl Chloride	1.05978	1.32415	0.000	-24.94568	30.00000	Averaged
13 n-Butane	1.74294	2.05064	0.000	-17.65399	30.00000	Averaged
14 1,3-Butadiene	0.86848	0.99389	0.000	-14.43944	30.00000	Averaged
15 Bromomethane	1.00176	1.26382	0.000	-26.15972	30.00000	Averaged
16 Chloroethane	0.47285	0.57085	0.000	-20.72598	30.00000	Averaged
17 ~ ethanol	0.32110	0.25993	0.000	19.05140	50.00000	Averaged
18 Vinyl Bromide	1.03731	1.22412	0.000	-18.00976	30.00000	Averaged
19 2-methyl butane	1.07890	1.33188	0.000	-23.44792	30.00000	Averaged
20 Trichlorofluoromethane	3.29542	4.10814	0.000	-24.66195	30.00000	Averaged
21 Acrolein	0.24873	0.29873	0.000	-20.10460	30.00000	Averaged
22 Acetonitrile	0.33367	0.37213	0.000	-11.52826	30.00000	Averaged
25 Pentane	0.16587	0.20465	0.000	-23.37974	30.00000	Averaged
23 Acetone	0.35831	0.37213	0.000	-3.85713	30.00000	Averaged
24 Isopropyl alcohol	1.09180	0.99157	0.000	9.17992	30.00000	Averaged
26 Ethyl Ether	1.10436	1.03424	0.000	6.34944	30.00000	Averaged
27 1,1-Dichloroethene	1.21568	1.08438	0.000	10.80046	30.00000	Averaged
29 Acrylonitrile	0.83083	0.72722	0.000	12.47069	30.00000	Averaged
30 1,1,2-Trichlorotrifluoroeth	2.52597	2.32631	0.000	7.90452	30.00000	Averaged
28 tert-butanol	1.73185	1.31425	0.000	24.11321	30.00000	Averaged
31 Methylene Chloride	1.06612	0.93608	0.000	12.19750	30.00000	Averaged
32 3-Chloropropene	1.00604	0.79411	0.000	21.06578	30.00000	Averaged
33 Carbon Disulfide	3.42991	3.42147	0.000	0.24612	30.00000	Averaged
35 ~ 2-Methyl Pentane	3.07049	2.73583	0.000	10.89901	50.00000	Averaged
34 trans-1,2-Dichloroethene	1.28279	1.29841	0.000	-1.21790	30.00000	Averaged
36 Methyl-t-Butyl Ether	2.81384	2.47152	0.000	12.16537	30.00000	Averaged
37 1,1-Dichloroethane	2.22697	1.89436	0.000	14.93533	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc02.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030213.b/TO15.m

Injection Date: 02-MAR-2013 13:15
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Vinyl Acetate	2.92044	2.26947	0.000	22.29018	30.00000	Averaged	
39 2-Butanone	0.51660	0.38938	0.000	24.62679	30.00000	Averaged	
40 Hexane	1.06727	0.96926	0.000	9.18347	30.00000	Averaged	
41 cis 1,2-Dichloroethene	1.31713	1.17840	0.000	10.53302	30.00000	Averaged	
42 Ethyl acetate	2.47555	1.93223	0.000	21.94734	30.00000	Averaged	
43 Chloroform	2.52740	2.36166	0.000	6.55780	30.00000	Averaged	
44 Tetrahydrofuran	1.38434	1.03134	0.000	25.49932	30.00000	Averaged	
45 1,1,1-Trichloroethane	2.68610	2.60230	0.000	3.11952	30.00000	Averaged	
46 1,2-Dichloroethane	0.37095	0.33769	0.000	8.96679	30.00000	Averaged	
49 Cyclohexane	0.12582	0.11922	0.000	5.24136	30.00000	Averaged	
48 Benzene	0.76609	0.68016	0.000	11.21642	30.00000	Averaged	
50 Carbon Tetrachloride	0.52763	0.52234	0.000	1.00345	30.00000	Averaged	
51 ~ 2,3-dimethylpentane	0.16611	0.15924	0.000	4.13884	50.00000	Averaged	
47 1-Butanol	0.07912	0.04763	0.000	39.80433	30.00000	Averaged	<- 60/140 NT
52 ~ Thiophene	0.46052	0.44951	0.000	2.38956	50.00000	Averaged	
53 2,2,4-trimethylpentane	1.32896	1.21590	0.000	8.50754	30.00000	Averaged	
54 Heptane	0.27110	0.25797	0.000	4.84316	30.00000	Averaged	
55 1,2-Dichloropropane	0.28264	0.24123	0.000	14.64898	30.00000	Averaged	
56 Trichloroethene	0.41972	0.43942	0.000	-4.69351	30.00000	Averaged	
180 ~ 2-nitropropane	++++	0.01518	0.000	++++	30.00000	Averaged	<- NA
57 Dibromomethane	0.31578	0.31773	0.000	-0.61576	30.00000	Averaged	
58 Bromodichloromethane	0.55415	0.56417	0.000	-1.80738	30.00000	Averaged	
60 Methyl Methacrylate	0.32325	0.25866	0.000	19.97924	30.00000	Averaged	
59 1,4-dioxane	0.08041	0.05392	0.000	32.93596	30.00000	Averaged	<- 60-140
61 ~ methyl cyclohexane	0.48498	0.47505	0.000	2.04772	50.00000	Averaged	
63 cis-1,3-Dichloropropene	0.37688	0.36180	0.000	4.00152	30.00000	Averaged	
62 4-Methyl-2-pentanone	0.49314	0.37826	0.000	23.29496	30.00000	Averaged	
64 trans-1,3-Dichloropropene	0.41270	0.37293	0.000	9.63673	30.00000	Averaged	
65 Toluene	1.05966	0.96176	0.000	9.23943	30.00000	Averaged	
66 1,1,2-Trichloroethane	0.29383	0.27748	0.000	5.56498	30.00000	Averaged	
67 ~ 2-methyl thiophene	0.91088	0.85114	0.000	6.55850	50.00000	Averaged	
68 ~ 3-methyl thiophene	0.89709	0.85411	0.000	4.79091	50.00000	Averaged	
69 2-Hexanone	0.26748	0.20618	0.000	22.91864	30.00000	Averaged	
70 Octane	0.34455	0.33110	0.000	3.90398	30.00000	Averaged	
71 Dibromochloromethane	0.64209	0.68049	0.000	-5.98057	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc02.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030213.b/TO15.m

Injection Date: 02-MAR-2013 13:15
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
72 1,2-Dibromoethane	0.55017	0.51641	0.000	6.13782	30.00000	Averaged
73 Tetrachloroethene	0.41562	0.42015	0.000	-1.08926	30.00000	Averaged
75 ~ 2,3-dimethylheptane	1.01810	0.91388	0.000	10.23669	50.00000	Averaged
74 Chlorobenzene	0.85290	0.82252	0.000	3.56262	30.00000	Averaged
76 Ethylbenzene	1.30815	1.21086	0.000	7.43732	30.00000	Averaged
77 ~ 2-ethyl thiophene	0.98515	0.94664	0.000	3.90888	50.00000	Averaged
78 m&p-Xylene	1.01485	0.96549	0.000	4.86438	30.00000	Averaged
79 Nonane	0.66340	0.60078	0.000	9.43923	30.00000	Averaged
80 Bromoform	0.59409	0.65033	0.000	-9.46556	30.00000	Averaged
81 Styrene	0.73885	0.72280	0.000	2.17278	30.00000	Averaged
82 o-Xylene	1.03227	1.00960	0.000	2.19542	30.00000	Averaged
84 1,1,2,2-Tetrachloroethane	0.73040	0.67446	0.000	7.65868	30.00000	Averaged
85 1,2,3-Trichloropropane	0.22685	0.22041	0.000	2.83960	30.00000	Averaged
86 Cumene	1.48232	1.46651	0.000	1.06658	30.00000	Averaged
87 n-Propylbenzene	0.42513	0.41116	0.000	3.28548	30.00000	Averaged
88 2-chlorotoluene	0.41658	0.41792	0.000	-0.32227	30.00000	Averaged
89 4-Ethyltoluene	1.46577	1.39744	0.000	4.66157	30.00000	Averaged
90 1,3,5-Trimethylbenzene	0.72950	0.68408	0.000	6.22566	30.00000	Averaged
91 Alpha-Methylstyrene	0.61160	0.58702	0.000	4.01894	30.00000	Averaged
92 Decane	0.77779	0.71905	0.000	7.55223	30.00000	Averaged
93 tert-butylbenzene	1.36197	1.31698	0.000	3.30344	30.00000	Averaged
94 1,2,4-Trimethylbenzene	1.18356	1.15685	0.000	2.25686	30.00000	Averaged
95 sec-butylbenzene	1.75785	1.69875	0.000	3.36204	30.00000	Averaged
96 1,3-Dichlorobenzene	0.89096	0.88585	0.000	0.57283	30.00000	Averaged
97 Benzyl Chloride	0.87011	0.86231	0.000	0.89711	30.00000	Averaged
98 1,4-Dichlorobenzene	0.86041	0.82836	0.000	3.72455	30.00000	Averaged
99 p-Cymene	1.45599	1.44366	0.000	0.84664	30.00000	Averaged
100 ~ 1,2,3- Trimethylbenzene	1.00245	0.98485	0.000	1.75638	50.00000	Averaged
101 ~ n-butylcyclohexane	0.98041	0.91530	0.000	6.64075	50.00000	Averaged
102 ~ Indane	1.13920	1.13551	0.000	0.32378	50.00000	Averaged
103 1,2-Dichlorobenzene	0.84883	0.84383	0.000	0.58902	30.00000	Averaged
104 n-butylbenzene	1.28916	1.20066	0.000	6.86440	30.00000	Averaged
105 ~ Indene	1.13179	1.07790	0.000	4.76181	50.00000	Averaged
106 Undecane	0.70072	0.59837	0.000	14.60606	30.00000	Averaged
107 ~ 1,2-dimethyl-4-ethylenzen	1.40396	1.29517	0.000	7.74819	50.00000	Averaged
108 ~ 1,2,4,5-tetramethylbenzen	1.34882	1.23994	0.000	8.07285	50.00000	Averaged

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc02.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030213.b/TO15.m

Injection Date: 02-MAR-2013 13:15
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
109 ~ 1,2,3,5-tetramethylbenzen	0.84873	0.78245	0.000	7.80885	50.00000	Averaged	
110 ~ 1,2,3,4-tetramethylbenzen	1.02402	0.91122	0.000	11.01505	50.00000	Averaged	
111 Dodecane	0.59196	0.39965	0.000	32.48639	30.00000	Averaged	<- 40-140 NT
112 1,2,4-Trichlorobenzene	0.56663	0.39342	0.000	30.56898	30.00000	Averaged	<- 60-140 —
113 Napthalene	1.16612	0.78726	0.000	32.48852	30.00000	Averaged	<- 40-140 NT
114 ~ benzo(b) thiophene	0.77365	0.62878	0.000	18.72576	50.00000	Averaged	
115 Hexachlorobutadiene	0.70607	0.58993	0.000	16.44977	30.00000	Averaged	
116 1,2,3-trichlorobenzene	0.47249	0.31168	0.000	34.03561	30.00000	Averaged	<- 40-140 NT
117 ~ 2-Methylnaphthalene	0.04960	0.04512	0.000	9.04624	50.00000	Averaged	
118 ~ 1-Methylnaphthalene	0.03475	0.03314	0.000	4.62269	50.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 02-MAR-2013 13:15
Operator : 403648 Inst ID: mg.i
Smp Info : CCV,,2,6,,CCV/LCS
Misc Info : G030213,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030213.b/TO15.m
Meth Date : 02-Mar-2013 15:21 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	347074	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.651	9.651	(1.000)	1570764	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1425721	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	1034141	4.00000	4.091
M	83 Xylene (total)	100				2096219	6.00000	5.762
	5 Chlorodifluoromethane	67	3.450	3.450	(0.455)	58379	2.00000	1.882
	6 Propene	41	3.456	3.456	(0.456)	174871	2.00000	1.794
	7 Dichlorodifluoromethane	85	3.493	3.493	(0.461)	658688	2.00000	2.115
	8 Chloromethane	52	3.628	3.628	(0.479)	68483	2.00000	2.119
	9 1,2-Dichlorotetrafluoroethane	135	3.634	3.634	(0.479)	543839	2.00000	2.373
	10 Methanol	31	3.741	3.741	(0.494)	38170	2.00000	1.945
	11 ~ acetaldehyde	44	3.747	3.747	(0.494)	330220	10.0000	10.64
	12 Vinyl Chloride	62	3.752	3.752	(0.495)	229788	2.00000	2.499
	13 n-Butane	43	3.812	3.812	(0.503)	355862	2.00000	2.353
	14 1,3-Butadiene	54	3.817	3.817	(0.503)	172476	2.00000	2.289

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
15	Bromomethane	94	4.054	4.054	(0.535)	219319	2.00000	2.523
16	Chloroethane	64	4.151	4.151	(0.548)	99063	2.00000	2.414
17	~ ethanol	31	4.254	4.254	(0.561)	225533	10.0000	8.095
18	Vinyl Bromide	106	4.372	4.372	(0.577)	212430	2.00000	2.360
19	2-methyl butane	43	4.394	4.394	(0.580)	231131	2.00000	2.469
20	Trichlorofluoromethane	101	4.566	4.566	(0.602)	712914	2.00000	2.493
21	Acrolein	56	4.604	4.604	(0.607)	51841	2.00000	2.402
22	Acetonitrile	40	4.669	4.669	(0.616)	64578	2.00000	2.230
25	Pentane	72	4.717	4.717	(0.622)	35515	2.00000	2.468
23	Acetone	58	4.701	4.701	(0.620)	64578	2.00000	2.077
24	Isopropyl alcohol	45	4.771	4.771	(0.629)	172074	2.00000	1.816
26	Ethyl Ether	31	4.874	4.874	(0.643)	179479	2.00000	1.873
27	1,1-Dichloroethene	96	5.111	5.111	(0.674)	188180	2.00000	1.784
29	Acrylonitrile	53	5.235	5.235	(0.691)	126200	2.00000	1.750
30	1,1,2-Trichlorotrifluoroethane	101	5.246	5.246	(0.692)	403701	2.00000	1.842
28	tert-butanol	59	5.235	5.235	(0.691)	228070	2.00000	1.518
31	Methylene Chloride	84	5.408	5.408	(0.713)	162444	2.00000	1.756
32	3-Chloropropene	39	5.408	5.408	(0.713)	137807	2.00000	1.579
33	Carbon Disulfide	76	5.510	5.510	(0.727)	593752	2.00000	1.995
35	~ 2-Methyl Pentane	43	6.033	6.033	(0.796)	474768	2.00000	1.782
34	trans-1,2-Dichloroethene	96	6.055	6.055	(0.799)	225323	2.00000	2.024
36	Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	428901	2.00000	1.757
37	1,1-Dichloroethane	63	6.421	6.421	(0.847)	328742	2.00000	1.701
38	Vinyl Acetate	43	6.535	6.535	(0.862)	393837	2.00000	1.554
39	2-Butanone	72	6.944	6.944	(0.916)	67571	2.00000	1.507
40	Hexane	56	6.864	6.864	(0.905)	168202	2.00000	1.816
41	cis 1,2-Dichloroethene	96	7.295	7.295	(0.962)	204495	2.00000	1.789
42	Ethyl acetate	43	7.495	7.495	(0.989)	335314	2.00000	1.561
43	Chloroform	83	7.592	7.592	(1.001)	409835	2.00000	1.869
44	Tetrahydrofuran	42	7.996	7.996	(1.055)	178976	2.00000	1.490
45	1,1,1-Trichloroethane	97	8.492	8.492	(1.120)	451596	2.00000	1.938
46	1,2-Dichloroethane	62	8.622	8.622	(0.893)	265214	2.00000	1.821
49	Cyclohexane	69	9.010	9.010	(0.934)	93634	2.00000	1.895
48	Benzene	78	9.064	9.064	(0.939)	534189	2.00000	1.776
50	Carbon Tetrachloride	117	9.074	9.074	(0.940)	410236	2.00000	1.980
51	~ 2,3-dimethylpentane	71	9.128	9.128	(0.946)	125061	2.00000	1.917
47	1-Butanol	31	9.150	9.150	(0.948)	37404	2.00000	1.204
52	~ Thiophene	84	9.339	9.339	(0.968)	353038	2.00000	1.952
53	2,2,4-trimethylpentane	57	9.770	9.770	(1.012)	954943	2.00000	1.830
54	Heptane	71	10.196	10.196	(1.056)	202601	2.00000	1.903
55	1,2-Dichloropropane	63	10.325	10.325	(1.070)	189459	2.00000	1.707
56	Trichloroethene	130	10.363	10.363	(1.074)	345113	2.00000	2.094
180	~ 2-nitropropane	43	10.730	10.730	(1.112)	11924	2.00000	
57	Dibromomethane	93	10.476	10.476	(1.085)	249537	2.00000	2.012
58	Bromodichloromethane	83	10.633	10.633	(1.102)	443085	2.00000	2.036
60	Methyl Methacrylate	41	10.789	10.789	(1.118)	203149	2.00000	1.600
59	1,4-dioxane	88	10.735	10.735	(1.112)	42351	2.00000	1.341

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

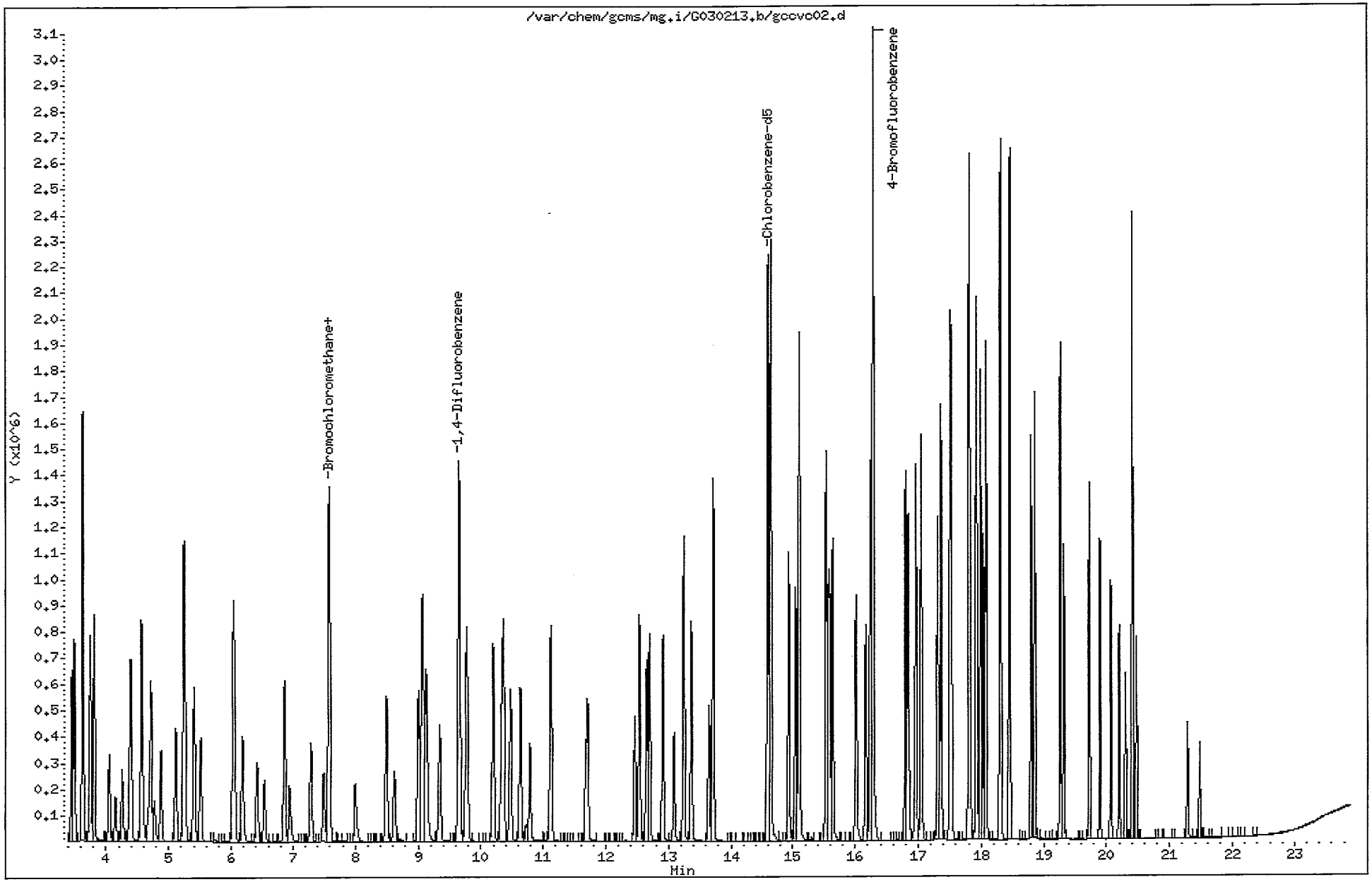
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
61 ~ methyl cyclohexane	83	11.118	11.118	(1.152)	373093	2.00000	1.959
63 cis-1,3-Dichloropropene	75	11.706	11.706	(1.213)	284150	2.00000	1.920
62 4-Methyl-2-pentanone	43	11.674	11.674	(1.210)	297081	2.00000	1.534
64 trans-1,3-Dichloropropene	75	12.455	12.455	(0.854)	265848	2.00000	1.807
65 Toluene	91	12.531	12.531	(0.859)	685598	2.00000	1.815
66 1,1,2-Trichloroethane	83	12.650	12.650	(0.867)	197803	2.00000	1.889
67 ~ 2-methyl thiophene	97	12.698	12.698	(0.870)	606746	2.00000	1.869
68 ~ 3-methyl thiophene	97	12.908	12.908	(0.885)	608864	2.00000	1.904
69 2-Hexanone	58	13.086	13.086	(0.897)	146974	2.00000	1.542
70 Octane	85	13.243	13.243	(0.908)	236030	2.00000	1.922
71 Dibromochloromethane	129	13.361	13.361	(0.916)	485094	2.00000	2.120
72 1,2-Dibromoethane	107	13.642	13.642	(0.935)	368125	2.00000	1.877
73 Tetrachloroethene	129	13.712	13.712	(0.940)	299505	2.00000	2.022
75 ~ 2,3-dimethylheptane	43	14.639	14.639	(1.003)	651470	2.00000	1.795
74 Chlorobenzene	112	14.639	14.639	(1.003)	586340	2.00000	1.929
76 Ethylbenzene	91	14.931	14.931	(1.023)	863172	2.00000	1.851
77 ~ 2-ethyl thiophene	97	15.044	15.044	(1.031)	674826	2.00000	1.922
78 m&p-Xylene	91	15.103	15.103	(1.035)	1376513	4.00000	3.805
79 Nonane	57	15.529	15.529	(1.064)	428272	2.00000	1.811
80 Bromoform	173	15.562	15.562	(1.067)	463593	2.00000	2.189
81 Styrene	104	15.588	15.588	(1.068)	515252	2.00000	1.956
82 o-Xylene	91	15.637	15.637	(1.072)	719706	2.00000	1.956
84 1,1,2,2-Tetrachloroethane	83	16.014	16.014	(1.098)	480794	2.00000	1.847
85 1,2,3-Trichloropropane	110	16.165	16.165	(1.108)	157121	2.00000	1.943
86 Cumene	105	16.241	16.241	(1.113)	1045420	2.00000	1.979
87 n-Propylbenzene	120	16.796	16.796	(1.151)	293098	2.00000	1.934
88 2-chlorotoluene	126	16.839	16.839	(1.154)	297921	2.00000	2.006
89 4-Ethyltoluene	105	16.958	16.958	(1.162)	996178	2.00000	1.907
90 1,3,5-Trimethylbenzene	120	17.039	17.039	(1.168)	487653	2.00000	1.875
91 Alpha-Methylstyrene	118	17.303	17.303	(1.186)	418464	2.00000	1.920
92 Decane	57	17.357	17.357	(1.190)	512582	2.00000	1.849
93 tert-butylbenzene	119	17.497	17.497	(1.199)	938821	2.00000	1.934
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	824672	2.00000	1.955
95 sec-butylbenzene	105	17.799	17.799	(1.220)	1210975	2.00000	1.933
96 1,3-Dichlorobenzene	146	17.810	17.810	(1.221)	631490	2.00000	1.988
97 Benzyl Chloride	91	17.918	17.918	(1.228)	614705	2.00000	1.982
98 1,4-Dichlorobenzene	146	17.913	17.913	(1.228)	590506	2.00000	1.926
99 p-Cymene	119	17.983	17.983	(1.232)	1029128	2.00000	1.983
100 ~ 1,2,3- Trimethylbenzene	105	18.037	18.037	(1.236)	702058	2.00000	1.965
101 ~ n-butylcyclohexane	83	18.074	18.074	(1.239)	652481	2.00000	1.867
102 ~ Indane	117	18.295	18.295	(1.254)	809463	2.00000	1.994
103 1,2-Dichlorobenzene	146	18.306	18.306	(1.255)	601535	2.00000	1.988
104 n-butylbenzene	91	18.452	18.452	(1.265)	855906	2.00000	1.863
105 ~ Indene	116	18.441	18.441	(1.264)	768392	2.00000	1.905
106 Undecane	57	18.792	18.792	(1.288)	426556	2.00000	1.708
107 ~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.856	(1.292)	923279	2.00000	1.845
108 ~ 1,2,4,5-tetramethylbenzene	119	19.261	19.261	(1.320)	883901	2.00000	1.838

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	19.315	19.315	(1.324)	557778	2.00000	1.844
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.724	(1.352)	649575	2.00000	1.780
111 Dodecane	57	19.892	19.892	(1.363)	284898	2.00000	1.350
112 1,2,4-Trichlorobenzene	180	20.070	20.070	(1.375)	280452	2.00000	1.389
113 Napthalene	128	20.199	20.199	(1.384)	561209	2.00000	1.350
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	448232	2.00000	1.625
115 Hexachlorobutadiene	225	20.409	20.409	(1.399)	420536	2.00000	1.671
116 1,2,3-trichlorobenzene	180	20.474	20.474	(1.403)	222183	2.00000	1.319
117 ~ 2-Methylnaphthalene	142	21.283	21.283	(1.459)	201011	12.5000	11.37
118 ~ 1-Methylnaphthalene	142	21.477	21.477	(1.472)	147668	12.5000	11.92

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Date : 02-MAR-2013 13:15
Client ID: CCV/LCS
Sample Info: CCV,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 13 & KNOX-MS-0023, Rev 0

Analysis Date:	3/4/13	CCAL Batch/ Scan Name:	G030413	Instrument:	MG	ICAL Batch/ Scan Name:	G0212135	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)		✓		VIA -36 -35 2-HUK -35 EIA -37 -38 TMC -38 -37 HHUK -37 #60 -37 neg L -31	✓
6. Is the %D ≤ 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)tailing; 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%, and no two consecutive MEs). 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	✓
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.		✓			✓

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

Analyst:	Date: 3/4/13	2nd Level Reviewer :	Date: 5/10/13
Comments:		Comments:	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR

Analyst: HM Qtims Batch: 7M 3063050 (MX9GJ) 3/4/13 3063050#1 (MX9GK) Inst: MG

Date: 3/4/13 ICAL Batch: G021213I Target Batch: 6030413 IS #1 Area: 407153

Surr/IS ID & Vol.: 40ml V462 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☑ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0840	✓	hme	GBFBC04	–	16	100	1	
0911	✓	CCV	CCV	CX2440	15	↓	↓	VIA-36 2-but-35 elA-37 THF-38 1-but-33 #60-37 Hep-31
0911	✓	LCS	LCS	↓	↓	↓	↓	
1013	N	B14	leak	–	16	500	↓	
1103	✓	↓	GB14C04	–	↓	↓	↓	
1152	✓	H3B280424	MX8GG1AA	6640	7	250	1	
1243	✓		GK	62330	8	80	↓	
1333	✓		GN	1117	9	80		
1423	✓	↓	GR	51528	10	250		
1510	✓ elevs	H3B280421	EI	1319NI	11	200	↓	elevs ok 3/4/13
1611	✓	leak ✓	leak2	–	16	200	1	
1702	✓	lot ✓	10396	6359	16	500		
1750	✓	H3C010411	MX8WE1AA	0063	1	200		btexn
1842	✓		WED	↓	21	↓		
1932	✓		WF1AA	04191	2			
2022	✓		WG	03841	3			
2112	✓	3/4/13	WGH	92071	4			
2202	✓	↓	WJ	93210	5	↓		
2252	✓	H3B280424	MX8FT1AA	02301	6	250		3/4/13 H mysde
2342	✓		8F1	S1484	7	250		
0032	✓ elevs		8F3	1520	8	250		
0121	✓		8F6	7478	9	250		
0211	✓ (N) MS		8F8	93271	10	250		RR 100ml
0301	✓		8FJ2AA	1456	11	100		ethanol
0350	✓	↓	8GC0AA	12891	12	100	↓	ethanol
0440	✓	lot ✓	10396B	1516	13	500		
0531	✓	↓	10397	1527	14	↓	↓	
Run on	MJ	H3C040410	MX9FX1AA	62345N	15	↓	↓	
0621	✓	lot ✓	10398	L5144	15	200	1	

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

0801 elevs H3280424 MX8F8R 93271 10 100 1

Analyst: _____ Date: 9/5/13

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	101	3/4/2013	8:40
15	100	3/4/2013	9:11
16	500	3/4/2013	10:13
16	500	3/4/2013	11:03
7	251	3/4/2013	11:52
8	82	3/4/2013	12:43
9	80	3/4/2013	13:33
10	252	3/4/2013	14:23
11	202	3/4/2013	15:10
16	200	3/4/2013	16:11
16	500	3/4/2013	17:02
1	202	3/4/2013	17:52
1	200	3/4/2013	18:42
2	202	3/4/2013	19:32
3	200	3/4/2013	20:22
4	202	3/4/2013	21:12
5	202	3/4/2013	22:02
6	252	3/4/2013	22:52
7	252	3/4/2013	23:42
8	251	3/5/2013	0:31
9	251	3/5/2013	1:21
10	251	3/5/2013	2:11
11	102	3/5/2013	3:01
12	101	3/5/2013	3:50
13	501	3/5/2013	4:40
14	501	3/5/2013	5:31

Position	Volume	Date	Time
15	202	3/5/2013	6:21
10	102	3/5/2013	8:01

Data File: /chem/gcms/mg.i/G030413.b/gbfbo04.d

Date : 04-MAR-2013 08:40

Client ID: BFB

Instrument: mg.i

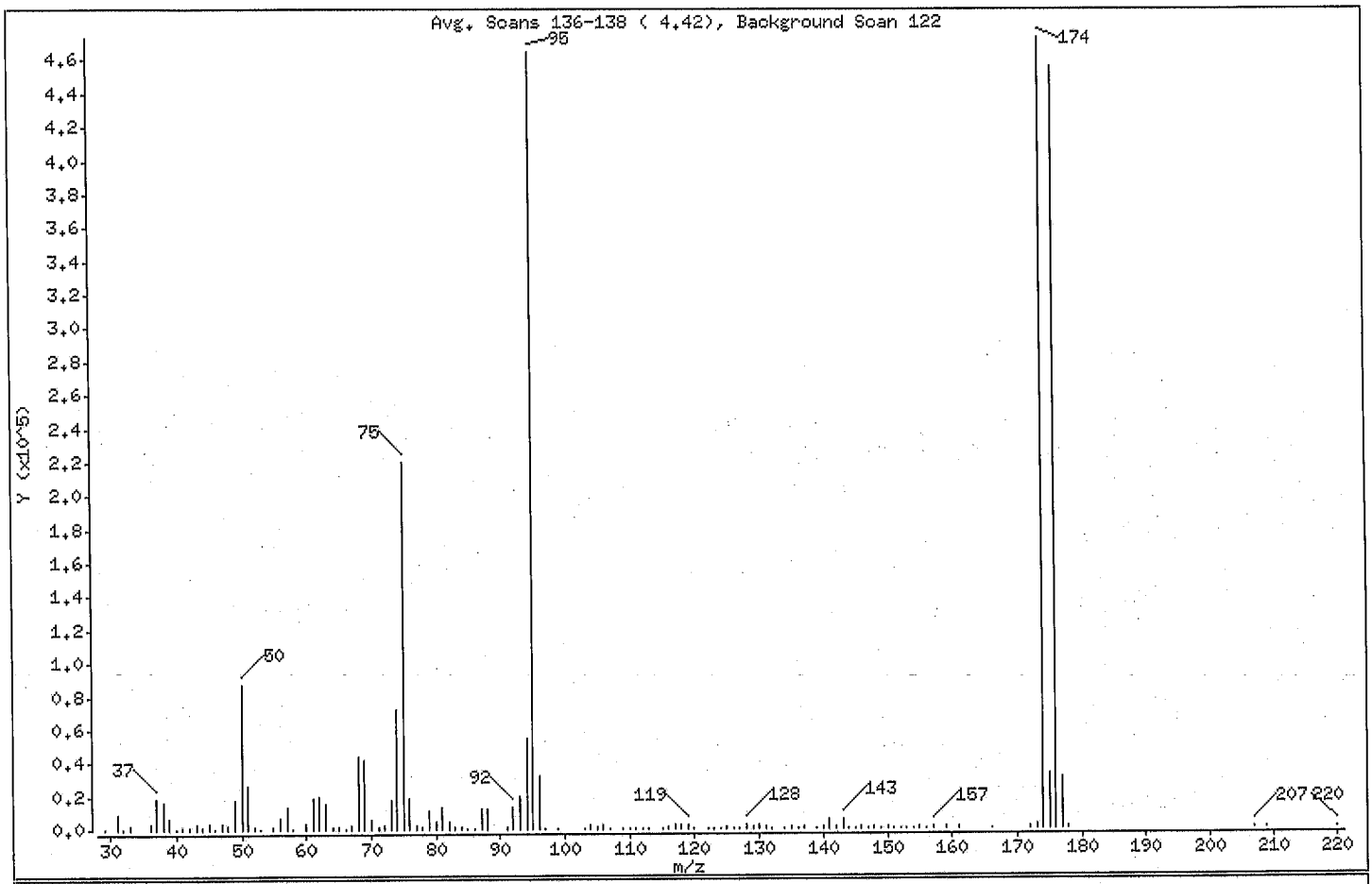
Sample Info: BFB,,3,,,BFB

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	18.66
75	30.00 - 60.00% of mass 95	47.30
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.53 (0.52)
174	50.00 - 120.00% of mass 95	101.76
175	5.00 - 9.00% of mass 174	7.10 (6.98)
176	95.00 - 101.00% of mass 174	97.95 (96.25)
177	5.00 - 9.00% of mass 176	6.54 (6.67)

Data File: /chem/gcms/mg.i/G030413.b/gbfbc04.d

Date : 04-MAR-2013 08:40

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

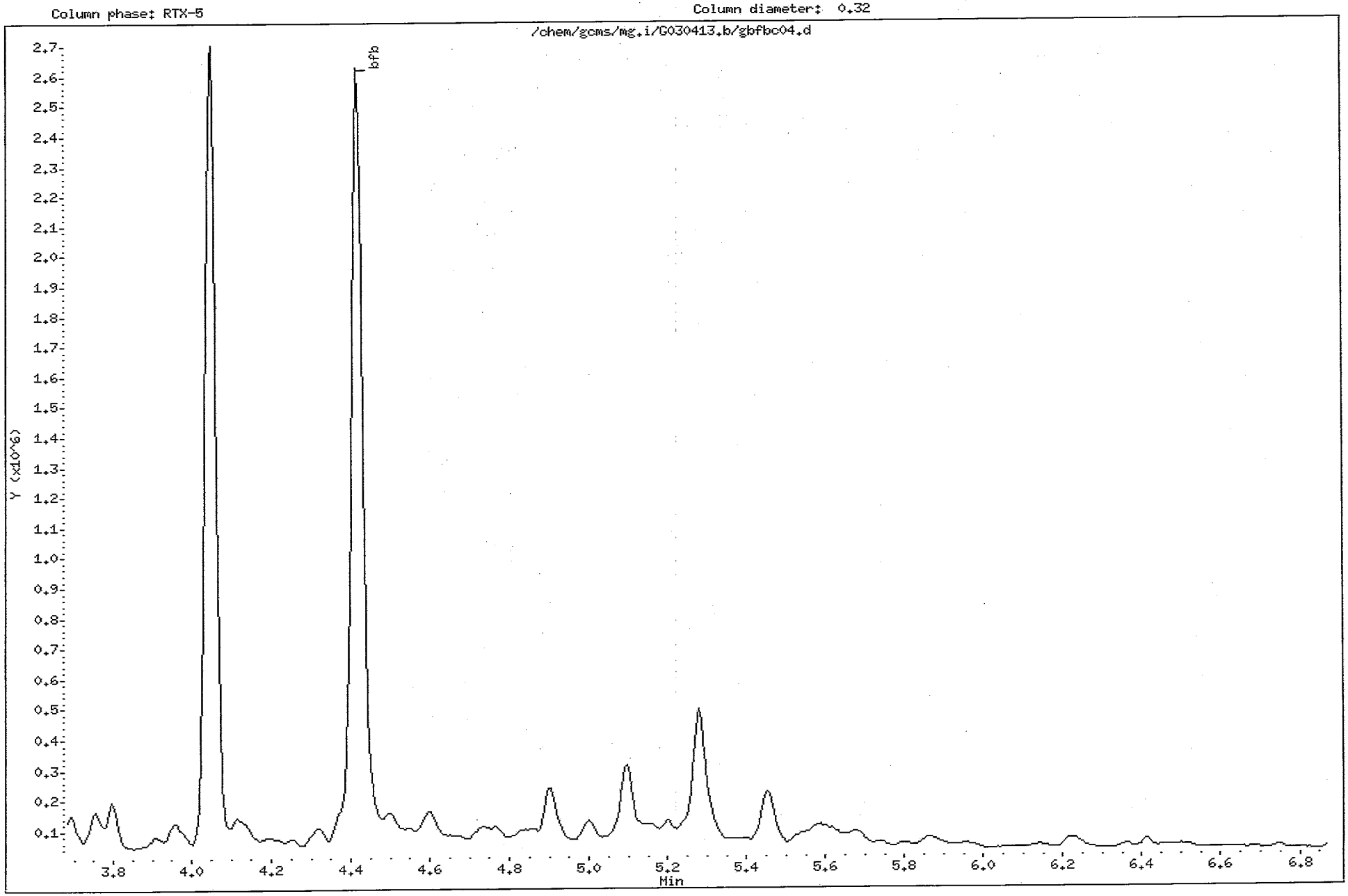
Data File: gbfbc04.d
Spectrum: Avg. Scans 136-138 (4.42), Background Scan 122
Location of Maximum: 174.00
Number of points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	480	66.00	137	104.00	1827	141.00	5309
31.00	9148	67.00	1767	105.00	934	142.00	704
32.00	372	68.00	43792	106.00	2030	143.00	5328
33.00	1859	69.00	41616	107.00	480	144.00	354
36.00	3164	70.00	5207	109.00	228	145.00	515
37.00	18152	71.00	1103	110.00	354	146.00	739
38.00	15882	72.00	2021	111.00	289	147.00	350
39.00	6923	73.00	17232	112.00	451	148.00	1316
40.00	73	74.00	72312	113.00	167	149.00	390
41.00	1046	75.00	220096	115.00	443	150.00	590
42.00	625	76.00	18848	116.00	1600	151.00	56
43.00	3051	77.00	1849	117.00	1963	152.00	376
44.00	1585	78.00	707	118.00	1687	153.00	499
45.00	3755	79.00	11215	119.00	2376	154.00	468
46.00	292	80.00	4050	120.00	88	155.00	1366
47.00	3701	81.00	12588	122.00	52	156.00	139
48.00	2265	82.00	4237	123.00	66	157.00	988
49.00	17376	83.00	1584	124.00	369	159.00	621
50.00	86864	84.00	833	125.00	1099	161.00	559
51.00	25992	85.00	458	126.00	433	166.00	51
52.00	833	86.00	451	127.00	254	172.00	916
53.00	267	87.00	12007	128.00	1898	173.00	2465
55.00	1331	88.00	12448	129.00	906	174.00	473600
56.00	6286	91.00	1347	130.00	1694	175.00	33056
57.00	12592	92.00	12803	131.00	670	176.00	455808
58.00	433	93.00	19528	132.00	78	177.00	30424
60.00	3587	94.00	54032	134.00	203	178.00	894
61.00	18880	95.00	465344	135.00	932	207.00	48
62.00	19552	96.00	31664	136.00	59	209.00	4
63.00	14745	97.00	452	137.00	808	220.00	60
64.00	1425	99.00	8	139.00	66		
65.00	546	103.00	319	140.00	870		

Data File: /chem/gcms/mg.i/G030413.b/gbfbc04.d
Date : 04-MAR-2013 08:40
Client ID: BFB
Sample Info: BFB,,3,,,BFB

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

Column phase: RTX-5



Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc04.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030413.b/TO15.m

Injection Date: 04-MAR-2013 09:11
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 4-Bromofluorobenzene	0.70922	0.69019	0.000	2.68338	30.00000	Averaged
M 83 Xylene (total)	1.00701	0.82833	0.000	17.74357	30.00000	Averaged
5 Chlorodifluoromethane	0.35745	0.32977	0.000	7.74475	30.00000	Averaged
6 Propene	1.12327	1.03811	0.000	7.58129	30.00000	Averaged
7 Dichlorodifluoromethane	3.58989	3.73530	0.000	-4.05055	30.00000	Averaged
8 Chloromethane	0.37242	0.37211	0.000	0.08393	30.00000	Averaged
9 1,2-Dichlorotetrafluoroetha	2.64085	3.08442	0.000	-16.79654	30.00000	Averaged
10 Methanol	0.22617	0.19846	0.000	12.25239	30.00000	Averaged
11 ~ acetaldehyde	0.35755	0.31457	0.000	12.01943	50.00000	Averaged
12 Vinyl Chloride	1.05978	1.29906	0.000	-22.57842	30.00000	Averaged
13 n-Butane	1.74294	1.90937	0.000	-9.54876	30.00000	Averaged
14 1,3-Butadiene	0.86848	0.93126	0.000	-7.22824	30.00000	Averaged
15 Bromomethane	1.00176	1.20182	0.000	-19.97090	30.00000	Averaged
16 Chloroethane	0.47285	0.50811	0.000	-7.45811	30.00000	Averaged
17 ~ ethanol	0.32110	0.22757	0.000	29.12888	50.00000	Averaged
18 Vinyl Bromide	1.03731	1.14931	0.000	-10.79721	30.00000	Averaged
19 2-methyl butane	1.07890	1.18557	0.000	-9.88688	30.00000	Averaged
20 Trichlorofluoromethane	3.29542	3.74436	0.000	-13.62303	30.00000	Averaged
21 Acrolein	0.24873	0.23431	0.000	5.79691	30.00000	Averaged
22 Acetonitrile	0.33367	0.27883	0.000	16.43450	30.00000	Averaged
25 Pentane	0.16587	0.18684	0.000	-12.64194	30.00000	Averaged
23 Acetone	0.35831	0.29456	0.000	17.79107	30.00000	Averaged
24 Isopropyl alcohol	1.09180	0.90080	0.000	17.49348	30.00000	Averaged
26 Ethyl Ether	1.10436	0.83882	0.000	24.04517	30.00000	Averaged
27 1,1-Dichloroethene	1.21568	1.03446	0.000	14.90725	30.00000	Averaged
29 Acrylonitrile	0.83083	0.59847	0.000	27.96747	30.00000	Averaged
30 1,1,2-Trichlorotrifluoroeth	2.52597	2.13864	0.000	15.33391	30.00000	Averaged
28 tert-butanol	1.73185	1.34135	0.000	22.54835	30.00000	Averaged
31 Methylene Chloride	1.06612	0.87733	0.000	17.70777	30.00000	Averaged
32 3-Chloropropene	1.00604	0.73446	0.000	26.99484	30.00000	Averaged
33 Carbon Disulfide	3.42991	3.38807	0.000	1.21981	30.00000	Averaged
35 ~ 2-Methyl Pentane	3.07049	2.58337	0.000	15.86429	50.00000	Averaged
34 trans-1,2-Dichloroethene	1.28279	1.24861	0.000	2.66424	30.00000	Averaged
36 Methyl-t-Butyl Ether	2.81384	2.10672	0.000	25.12978	30.00000	Averaged
37 1,1-Dichloroethane	2.22697	1.76147	0.000	20.90260	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc04.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030413.b/TO15.m

Injection Date: 04-MAR-2013 09:11
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Vinyl Acetate	2.92044	1.85637	0.000	36.43507	30.00000	Averaged	<- 60-140 ✓ ✓
39 2-Butanone	0.51660	0.33399	0.000	35.34769	30.00000	Averaged	<- +
40 Hexane	1.06727	0.90610	0.000	15.10128	30.00000	Averaged	
41 cis 1,2-Dichloroethene	1.31713	1.12898	0.000	14.28462	30.00000	Averaged	
42 Ethyl acetate	2.47555	1.56615	0.000	36.73514	30.00000	Averaged	<- 60140 ✓
43 Chloroform	2.52740	2.15558	0.000	14.71164	30.00000	Averaged	
44 Tetrahydrofuran	1.38434	0.85779	0.000	38.03654	30.00000	Averaged	<- 60140 ✓
45 1,1,1-Trichloroethane	2.68610	2.39702	0.000	10.76187	30.00000	Averaged	
46 1,2-Dichloroethane	0.37095	0.30353	0.000	18.17467	30.00000	Averaged	
49 Cyclohexane	0.12582	0.11329	0.000	9.95295	30.00000	Averaged	
48 Benzene	0.76609	0.60988	0.000	20.39094	30.00000	Averaged	
50 Carbon Tetrachloride	0.52763	0.48180	0.000	8.68628	30.00000	Averaged	
51 ~ 2,3-dimethylpentane	0.16611	0.14967	0.000	9.89819	50.00000	Averaged	
47 1-Butanol	0.07912	0.05268	0.000	33.41070	30.00000	Averaged	<- OK 60-140
52 ~ Thiophene	0.46052	0.41372	0.000	10.16157	50.00000	Averaged	
53 2,2,4-trimethylpentane	1.32896	1.11703	0.000	15.94672	30.00000	Averaged	
54 Heptane	0.27110	0.23858	0.000	11.99446	30.00000	Averaged	
55 1,2-Dichloropropane	0.28264	0.21130	0.000	25.24132	30.00000	Averaged	
56 Trichloroethene	0.41972	0.42486	0.000	-1.22505	30.00000	Averaged	
180 ~ 2-nitropropane	++++	0.01689	0.000	++++	30.00000	Averaged	<- NA
57 Dibromomethane	0.31578	0.29017	0.000	8.11074	30.00000	Averaged	
58 Bromodichloromethane	0.55415	0.50150	0.000	9.50131	30.00000	Averaged	
60 Methyl Methacrylate	0.32325	0.20282	0.000	37.25464	30.00000	Averaged	<- 60-140 ✓
59 1,4-dioxane	0.08041	0.06141	0.000	23.62185	30.00000	Averaged	
61 ~ methyl cyclohexane	0.48498	0.44740	0.000	7.74771	50.00000	Averaged	
63 cis-1,3-Dichloropropene	0.37688	0.31858	0.000	15.46903	30.00000	Averaged	
62 4-Methyl-2-pentanone	0.49314	0.37068	0.000	24.83182	30.00000	Averaged	
64 trans-1,3-Dichloropropene	0.41270	0.34428	0.000	16.57963	30.00000	Averaged	
65 Toluene	1.05966	0.86716	0.000	18.16679	30.00000	Averaged	
66 1,1,2-Trichloroethane	0.29383	0.24980	0.000	14.98523	30.00000	Averaged	
67 ~ 2-methyl thiophene	0.91088	0.78377	0.000	13.95486	50.00000	Averaged	
68 ~ 3-methyl thiophene	0.89709	0.77418	0.000	13.70107	50.00000	Averaged	
69 2-Hexanone	0.26748	0.21979	0.000	17.83005	30.00000	Averaged	
70 Octane	0.34455	0.31469	0.000	8.66876	30.00000	Averaged	
71 Dibromochloromethane	0.64209	0.60848	0.000	5.23502	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc04.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030413.b/TO15.m

Injection Date: 04-MAR-2013 09:11
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
72 1,2-Dibromoethane	0.55017	0.46353	0.000	15.74906	30.00000	Averaged
73 Tetrachloroethene	0.41562	0.40108	0.000	3.49845	30.00000	Averaged
75 ~ 2,3-dimethylheptane	1.01810	0.82992	0.000	18.48365	50.00000	Averaged
74 Chlorobenzene	0.85290	0.76169	0.000	10.69433	30.00000	Averaged
76 Ethylbenzene	1.30815	1.05380	0.000	19.44311	30.00000	Averaged
77 ~ 2-ethyl thiophene	0.98515	0.84050	0.000	14.68325	50.00000	Averaged
78 m&p-Xylene	1.01485	0.82150	0.000	19.05267	30.00000	Averaged
79 Nonane	0.66340	0.53262	0.000	19.71383	30.00000	Averaged
80 Bromoform	0.59409	0.57035	0.000	3.99656	30.00000	Averaged
81 Styrene	0.73885	0.62057	0.000	16.00867	30.00000	Averaged
82 o-Xylene	1.03227	0.84200	0.000	18.43162	30.00000	Averaged
84 1,1,2,2-Tetrachloroethane	0.73040	0.57607	0.000	21.12879	30.00000	Averaged
85 1,2,3-Trichloropropane	0.22685	0.18654	0.000	17.77054	30.00000	Averaged
86 Cumene	1.48232	1.23168	0.000	16.90900	30.00000	Averaged
87 n-Propylbenzene	0.42513	0.35301	0.000	16.96447	30.00000	Averaged
88 2-chlorotoluene	0.41658	0.37264	0.000	10.54720	30.00000	Averaged
89 4-Ethyltoluene	1.46577	1.17662	0.000	19.72660	30.00000	Averaged
90 1,3,5-Trimethylbenzene	0.72950	0.58320	0.000	20.05456	30.00000	Averaged
91 Alpha-Methylstyrene	0.61160	0.48659	0.000	20.43932	30.00000	Averaged
92 Decane	0.77779	0.61382	0.000	21.08091	30.00000	Averaged
93 tert-butylbenzene	1.36197	1.09277	0.000	19.76571	30.00000	Averaged
94 1,2,4-Trimethylbenzene	1.18356	0.95396	0.000	19.39919	30.00000	Averaged
95 sec-butylbenzene	1.75785	1.40852	0.000	19.87294	30.00000	Averaged
96 1,3-Dichlorobenzene	0.89096	0.77045	0.000	13.52567	30.00000	Averaged
97 Benzyl Chloride	0.87011	0.73354	0.000	15.69622	30.00000	Averaged
98 1,4-Dichlorobenzene	0.86041	0.73418	0.000	14.67072	30.00000	Averaged
99 p-Cymene	1.45599	1.19349	0.000	18.02868	30.00000	Averaged
100 ~ 1,2,3- Trimethylbenzene	1.00245	0.80716	0.000	19.48137	50.00000	Averaged
101 ~ n-butylcyclohexane	0.98041	0.80469	0.000	17.92249	50.00000	Averaged
102 ~ Indane	1.13920	0.95088	0.000	16.53072	50.00000	Averaged
103 1,2-Dichlorobenzene	0.84883	0.72780	0.000	14.25910	30.00000	Averaged
104 n-butylbenzene	1.28916	0.99598	0.000	22.74159	30.00000	Averaged
105 ~ Indene	1.13179	0.90143	0.000	20.35394	50.00000	Averaged
106 Undecane	0.70072	0.50941	0.000	27.30263	30.00000	Averaged
107 ~ 1,2-dimethyl-4-ethylenzen	1.40396	1.10656	0.000	21.18263	50.00000	Averaged
108 ~ 1,2,4,5-tetramethylbenzen	1.34882	1.11389	0.000	17.41795	50.00000	Averaged

Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc04.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G030413.b/TO15.m

Injection Date: 04-MAR-2013 09:11
Init. Cal. Date(s): 12-FEB-2013 12-FEB-2013
Init. Cal. Times: 11:42 18:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
109 ~ 1,2,3,5-tetramethylbenzen	0.84873	0.69787	0.000	17.77500	50.00000	Averaged	
110 ~ 1,2,3,4-tetramethylbenzen	1.02402	0.85419	0.000	16.58416	50.00000	Averaged	
111 Dodecane	0.59196	0.46444	0.000	21.54208	30.00000	Averaged	
112 1,2,4-Trichlorobenzene	0.56663	0.39640	0.000	30.04274	30.00000	Averaged	<-Ok
113 Napthalene	1.16612	0.80788	0.000	30.72078	30.00000	Averaged	<-40-140
114 ~ benzo(b) thiophene	0.77365	0.67209	0.000	13.12818	50.00000	Averaged	
115 Hexachlorobutadiene	0.70607	0.50998	0.000	27.77319	30.00000	Averaged	
116 1,2,3-trichlorobenzene	0.47249	0.34082	0.000	27.86788	30.00000	Averaged	
117 ~ 2-Methylnaphthalene	0.04960	0.07851	0.000	-58.28130	50.00000	Averaged	<- 20-180 > DM
118 ~ 1-Methylnaphthalene	0.03475	0.06242	0.000	-79.62970	50.00000	Averaged	<-

Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 04-MAR-2013 09:11
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,2,6,,CCV/LCS
Misc Info : G030413,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030413.b/TO15.m
Meth Date : 04-Mar-2013 12:21 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	7.581	7.581	(1.000)	407153	4.00000	4.000
* 2 1,4-Difluorobenzene	114	9.651	9.651	(1.000)	1848184	4.00000	4.000
* 3 Chlorobenzene-d5	117	14.585	14.585	(1.000)	1600539	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	16.279	16.279	(1.116)	1104679	4.00000	3.893
M 83 Xylene (total)	100				1988663	6.00000	4.869
5 Chlorodifluoromethane	67	3.456	3.456	(0.456)	67133	2.00000	1.845
6 Propene	41	3.461	3.461	(0.457)	211334	2.00000	1.848
7 Dichlorodifluoromethane	85	3.499	3.499	(0.462)	760421	2.00000	2.081
8 Chloromethane	52	3.634	3.634	(0.479)	75752	2.00000	1.998
9 1,2-Dichlorotetrafluoroethane	135	3.634	3.634	(0.479)	627917	2.00000	2.336
10 Methanol	31	3.741	3.741	(0.494)	40402	2.00000	1.755
11 ~ acetaldehyde	44	3.747	3.747	(0.494)	320198	10.0000	8.798
12 Vinyl Chloride	62	3.752	3.752	(0.495)	264458	2.00000	2.452
13 n-Butane	43	3.812	3.812	(0.503)	388703	2.00000	2.191
14 1,3-Butadiene	54	3.817	3.817	(0.503)	189583	2.00000	2.144

Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
15 Bromomethane	94	4.054	4.054	(0.535)	244662	2.00000	2.399
16 Chloroethane	64	4.157	4.157	(0.548)	103439	2.00000	2.149
17 ~ ethanol	31	4.254	4.254	(0.561)	231636	10.0000	7.087
18 Vinyl Bromide	106	4.378	4.378	(0.577)	233971	2.00000	2.216
19 2-methyl butane	43	4.394	4.394	(0.580)	241355	2.00000	2.198
20 Trichlorofluoromethane	101	4.566	4.566	(0.602)	762264	2.00000	2.272
21 Acrolein	56	4.599	4.599	(0.607)	47699	2.00000	1.884
22 Acetonitrile	40	4.669	4.669	(0.616)	56763	2.00000	1.671
25 Pentane	72	4.717	4.717	(0.622)	38036	2.00000	2.253
23 Acetone	58	4.701	4.701	(0.620)	59966	2.00000	1.644
24 Isopropyl alcohol	45	4.771	4.771	(0.629)	183382	2.00000	1.650
26 Ethyl Ether	31	4.874	4.874	(0.643)	170763	2.00000	1.519
27 1,1-Dichloroethene	96	5.111	5.111	(0.674)	210591	2.00000	1.702
29 Acrylonitrile	53	5.240	5.240	(0.691)	121834	2.00000	1.441
30 1,1,2-Trichlorotrifluoroethane	101	5.246	5.246	(0.692)	435378	2.00000	1.693
28 tert-butanol	59	5.235	5.235	(0.691)	273067	2.00000	1.549
31 Methylene Chloride	84	5.408	5.408	(0.713)	178604	2.00000	1.646
32 3-Chloropropene	39	5.408	5.408	(0.713)	149519	2.00000	1.460
33 Carbon Disulfide	76	5.510	5.510	(0.727)	689733	2.00000	1.976
35 ~ 2-Methyl Pentane	43	6.033	6.033	(0.796)	525915	2.00000	1.683
34 trans-1,2-Dichloroethene	96	6.055	6.055	(0.799)	254188	2.00000	1.947
36 Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	428880	2.00000	1.497
37 1,1-Dichloroethane	63	6.421	6.421	(0.847)	358595	2.00000	1.582
38 Vinyl Acetate	43	6.535	6.535	(0.862)	377914	2.00000	1.271
39 2-Butanone	72	6.950	6.950	(0.917)	67993	2.00000	1.293
40 Hexane	56	6.864	6.864	(0.905)	184461	2.00000	1.698
41 cis 1,2-Dichloroethene	96	7.290	7.290	(0.962)	229834	2.00000	1.714
42 Ethyl acetate	43	7.495	7.495	(0.989)	318832	2.00000	1.265
43 Chloroform	83	7.592	7.592	(1.001)	438825	2.00000	1.706
44 Tetrahydrofuran	42	7.996	7.996	(1.055)	174625	2.00000	1.239
45 1,1,1-Trichloroethane	97	8.492	8.492	(1.120)	487978	2.00000	1.785
46 1,2-Dichloroethane	62	8.622	8.622	(0.893)	280491	2.00000	1.636
49 Cyclohexane	69	9.004	9.004	(0.933)	104693	2.00000	1.801
48 Benzene	78	9.064	9.064	(0.939)	563584	2.00000	1.592
50 Carbon Tetrachloride	117	9.074	9.074	(0.940)	445230	2.00000	1.826
51 ~ 2,3-dimethylpentane	71	9.123	9.123	(0.945)	138308	2.00000	1.802
47 1-Butanol	31	9.145	9.145	(0.947)	48684	2.00000	1.332
52 ~ Thiophene	84	9.339	9.339	(0.968)	382316	2.00000	1.797
53 2,2,4-trimethylpentane	57	9.770	9.770	(1.012)	1032242	2.00000	1.681
54 Heptane	71	10.196	10.196	(1.056)	220469	2.00000	1.760
55 1,2-Dichloropropane	63	10.331	10.331	(1.070)	195256	2.00000	1.495
56 Trichloroethene	130	10.363	10.363	(1.074)	392613	2.00000	2.024
180 ~ 2-nitropropane	43	10.730	10.730	(1.112)	15610	2.00000	
57 Dibromomethane	93	10.476	10.476	(1.085)	268144	2.00000	1.838
58 Bromodichloromethane	83	10.633	10.633	(1.102)	463430	2.00000	1.810
60 Methyl Methacrylate	41	10.789	10.789	(1.118)	187426	2.00000	1.255
59 1,4-dioxane	88	10.730	10.730	(1.112)	56752	2.00000	1.528

Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
61 ~ methyl cyclohexane	83	11.118	11.118	(1.152)	413441	2.00000	1.845
63 cis-1,3-Dichloropropene	75	11.706	11.706	(1.213)	294397	2.00000	1.691
62 4-Methyl-2-pentanone	43	11.674	11.674	(1.210)	342546	2.00000	1.503
64 trans-1,3-Dichloropropene	75	12.455	12.455	(0.854)	275515	2.00000	1.668
65 Toluene	91	12.531	12.531	(0.859)	693958	2.00000	1.637
66 1,1,2-Trichloroethane	83	12.650	12.650	(0.867)	199906	2.00000	1.700
67 ~ 2-methyl thiophene	97	12.693	12.693	(0.870)	627228	2.00000	1.721
68 ~ 3-methyl thiophene	97	12.908	12.908	(0.885)	619553	2.00000	1.726
69 2-Hexanone	58	13.086	13.086	(0.897)	175887	2.00000	1.643
70 Octane	85	13.237	13.237	(0.908)	251833	2.00000	1.827
71 Dibromochloromethane	129	13.361	13.361	(0.916)	486944	2.00000	1.895
72 1,2-Dibromoethane	107	13.642	13.642	(0.935)	370946	2.00000	1.685
73 Tetrachloroethene	129	13.707	13.707	(0.940)	320971	2.00000	1.930
75 ~ 2,3-dimethylheptane	43	14.639	14.639	(1.004)	664158	2.00000	1.630
74 Chlorobenzene	112	14.634	14.634	(1.003)	609558	2.00000	1.786
76 Ethylbenzene	91	14.931	14.931	(1.024)	843326	2.00000	1.611
77 ~ 2-ethyl thiophene	97	15.044	15.044	(1.031)	672627	2.00000	1.706
78 m&p-Xylene	91	15.098	15.098	(1.035)	1314834	4.00000	3.238
79 Nonane	57	15.529	15.529	(1.065)	426238	2.00000	1.606
80 Bromoform	173	15.562	15.562	(1.067)	456434	2.00000	1.920
81 Styrene	104	15.588	15.588	(1.069)	496622	2.00000	1.680
82 o-Xylene	91	15.637	15.637	(1.072)	673828	2.00000	1.631
84 1,1,2,2-Tetrachloroethane	83	16.009	16.009	(1.098)	461013	2.00000	1.577
85 1,2,3-Trichloropropane	110	16.165	16.165	(1.108)	149281	2.00000	1.644
86 Cumene	105	16.241	16.241	(1.113)	985673	2.00000	1.662
87 n-Propylbenzene	120	16.796	16.796	(1.152)	282499	2.00000	1.661
88 2-chlorotoluene	126	16.839	16.839	(1.155)	298215	2.00000	1.789
89 4-Ethyltoluene	105	16.958	16.958	(1.163)	941612	2.00000	1.605
90 1,3,5-Trimethylbenzene	120	17.039	17.039	(1.168)	466716	2.00000	1.599
91 Alpha-Methylstyrene	118	17.303	17.303	(1.186)	389406	2.00000	1.591
92 Decane	57	17.357	17.357	(1.190)	491225	2.00000	1.578
93 tert-butylbenzene	119	17.497	17.497	(1.200)	874506	2.00000	1.605
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	763424	2.00000	1.612
95 sec-butylbenzene	105	17.799	17.799	(1.220)	1127192	2.00000	1.602
96 1,3-Dichlorobenzene	146	17.810	17.810	(1.221)	616567	2.00000	1.729
97 Benzyl Chloride	91	17.918	17.918	(1.228)	587028	2.00000	1.686
98 1,4-Dichlorobenzene	146	17.913	17.913	(1.228)	587541	2.00000	1.706
99 p-Cymene	119	17.983	17.983	(1.233)	955114	2.00000	1.639
100 ~ 1,2,3- Trimethylbenzene	105	18.031	18.031	(1.236)	645946	2.00000	1.610
101 ~ n-butylcyclohexane	83	18.074	18.074	(1.239)	643970	2.00000	1.642
102 ~ Indane	117	18.295	18.295	(1.254)	760963	2.00000	1.669
103 1,2-Dichlorobenzene	146	18.306	18.306	(1.255)	582433	2.00000	1.715
104 n-butylbenzene	91	18.452	18.452	(1.265)	797054	2.00000	1.545
105 ~ Indene	116	18.441	18.441	(1.264)	721386	2.00000	1.593
106 Undecane	57	18.792	18.792	(1.288)	407661	2.00000	1.454
107 ~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.856	(1.293)	885547	2.00000	1.576
108 ~ 1,2,4,5-tetramethylbenzene	119	19.261	19.261	(1.321)	891409	2.00000	1.652

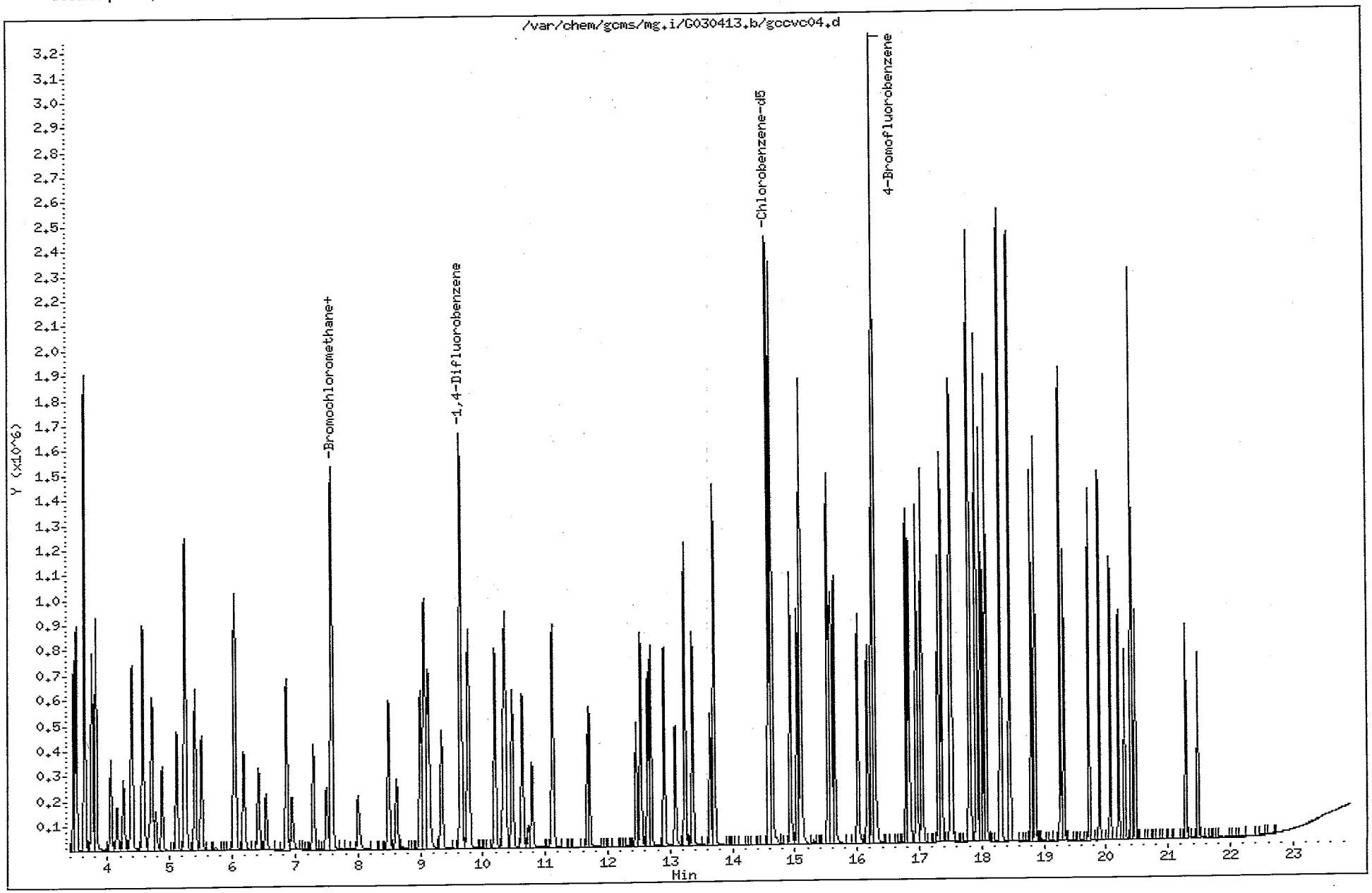
Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Report Date: 04-Mar-2013 12:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	19.315	19.315	(1.324)	558480	2.00000	1.644
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.724	(1.352)	683585	2.00000	1.668
111 Dodecane	57	19.892	19.892	(1.364)	371677	2.00000	1.569
112 1,2,4-Trichlorobenzene	180	20.064	20.064	(1.376)	317227	2.00000	1.399
113 Napthalene	128	20.199	20.199	(1.385)	646519	2.00000	1.386
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.392)	537849	2.00000	1.737
115 Hexachlorobutadiene	225	20.409	20.409	(1.399)	408117	2.00000	1.444
116 1,2,3-trichlorobenzene	180	20.474	20.474	(1.404)	272748	2.00000	1.443
117 ~ 2-Methylnaphthalene	142	21.283	21.283	(1.459)	392700	12.5000	19.78
118 ~ 1-Methylnaphthalene	142	21.472	21.472	(1.472)	312213	12.5000	22.45

Data File: /var/chem/gcms/mg.i/G030413.b/gccvc04.d
Date : 04-MAR-2013 09:11
Client ID: CCV/LCS
Sample Info: CCV,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Raw QC Data

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C010000 - 017B **Work Order #** MX8QX1AA **Matrix.....:** AIR

	02/20/2013	**Date Received..:**	02/28/2013
Prep Date.....:	02/28/2013	**Analysis Date...**	02/28/2013
Prep Batch #.....:	3060017		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C010000 - 017B **Work Order #** MX8QX1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

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/mr.i/R022813.b/rblkb28.d
Report Date: 01-Mar-2013 10:47

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/rblkb28.d
Lab Smp Id: MX8QX1AA Client Smp ID: BLANK
Inj Date : 28-FEB-2013 12:24
Operator : 7126 Inst ID: mr.i
Smp Info : MX8QX1AA,,3,,,BLANK
Misc Info : R022813,TO15,1-all.sub
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 28-Feb-2013 19:25 barlozha Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 2 QC Sample: BLANK
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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.083	9.088	(1.000)	410151	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	2055830	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.495	17.495	(1.000)	1542490	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.224	20.224	(1.156)	1078794	3.99470	3.995
	15 Bromomethane	94	4.985	4.985	(0.549)	2262	0.01355	0.01355
	21 Acrolein	56	5.681	5.670	(0.625)	5102	0.08308	0.08308
	24 Isopropyl Alcohol	45	5.896	5.875	(0.649)	13050	0.05554	0.05554
	31 Methylene Chloride	84	6.662	6.656	(0.733)	3702	0.02505	0.02505
	47 1-Butanol	31	10.695	10.674	(0.949)	2861	0.05649	0.05649
	62 4-Methyl-2-pentanone	43	13.489	13.478	(1.197)	20041	0.05456	0.05456

Data File: /var/chem/gcms/mr.i/R022813.b/rblkb28.d
Report Date: 01-Mar-2013 10:47

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: rblkb28.d
Lab Smp Id: MX8QX1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,1-all.sub

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	410151	-6.22
2 1,4-Difluorobenze	2178721	1296339	3061103	2055830	-5.64
3 Chlorobenzene-d5	1632809	971521	2294097	1542490	-5.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.08	-0.06
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.50	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.

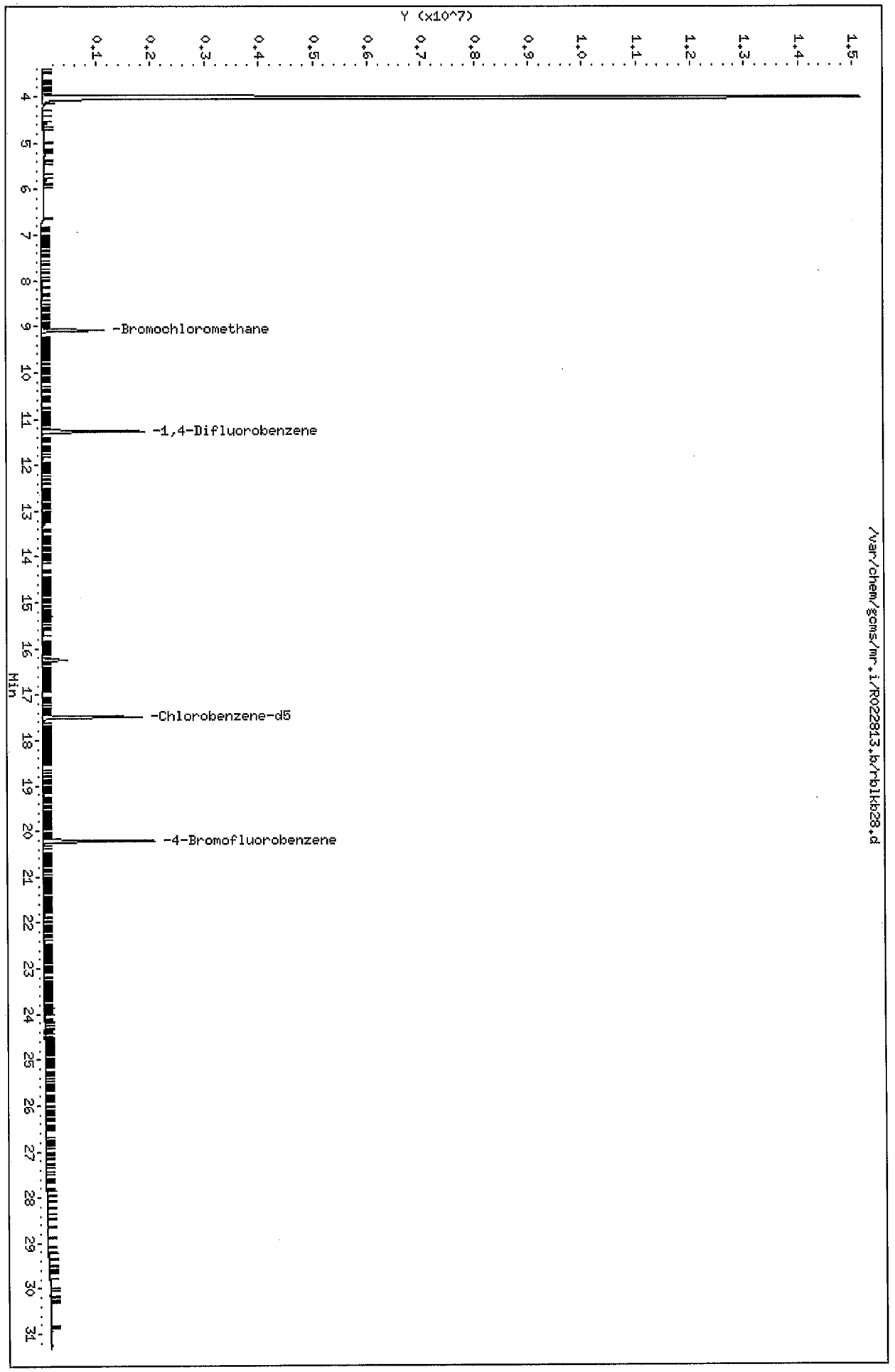
Data File: /var/chem/gcms/mr.i/R022813.b/rblkb28.d
Report Date: 01-Mar-2013 10:47

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: R022813
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MX8QX1AA
Client Smp ID: BLANK
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: BLANK
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,1-all.sub

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.995	99.87	70-130


Data File: /var/chem/gcms/mr.i/R022813.b/rblkb28.d
Date : 28-FEB-2013 12:24
Client ID: BLANK
Sample Info: MXBQXLAA,,3,,,BLANK
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mr.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mr.i/R022813.b/rblkb28.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mr.i/R022813.b/rblkb28.d

Date : 28-FEB-2013 12:24

Client ID: BLANK

Instrument: mr.i

Sample Info: MX8QX1AA,,3,,,BLANK

Purge Volume: 500.0

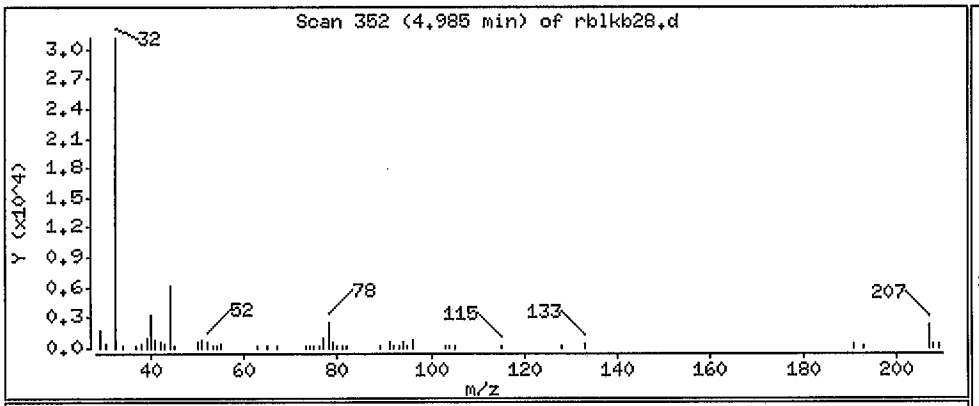
Operator: 7126

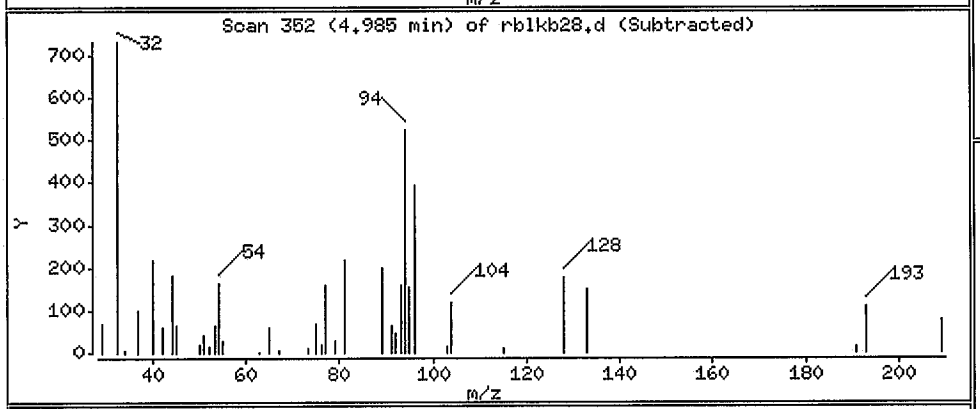
Column phase: Rtx-5

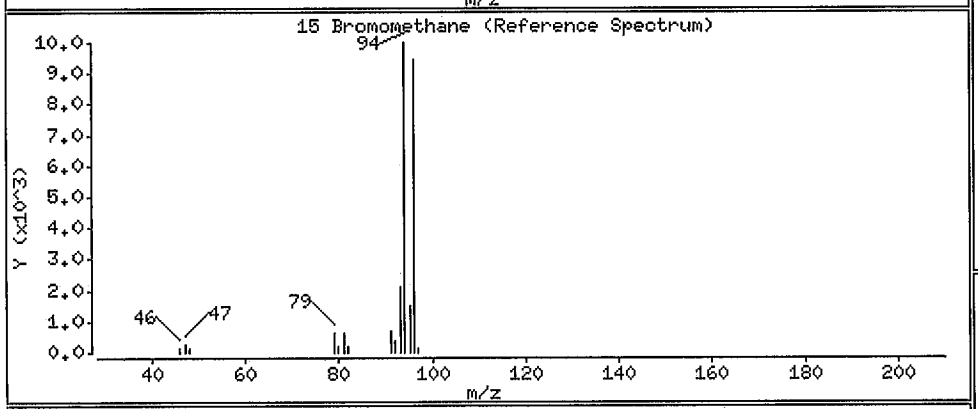
Column diameter: 0.32

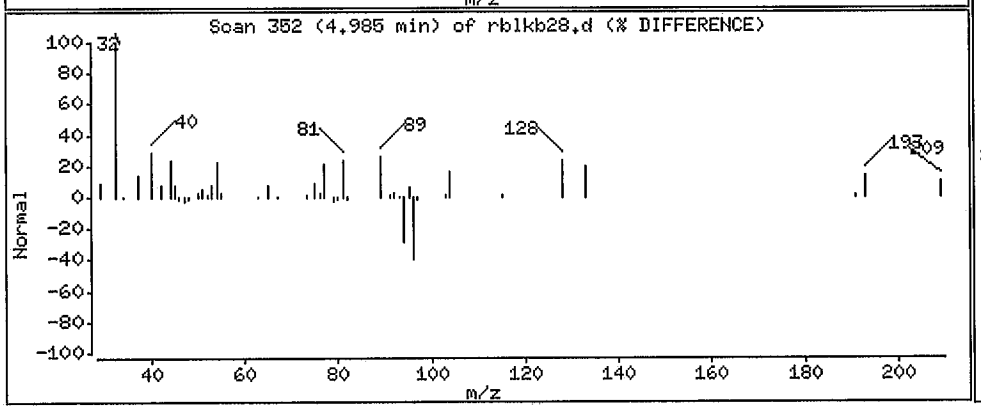
15 Bromomethane

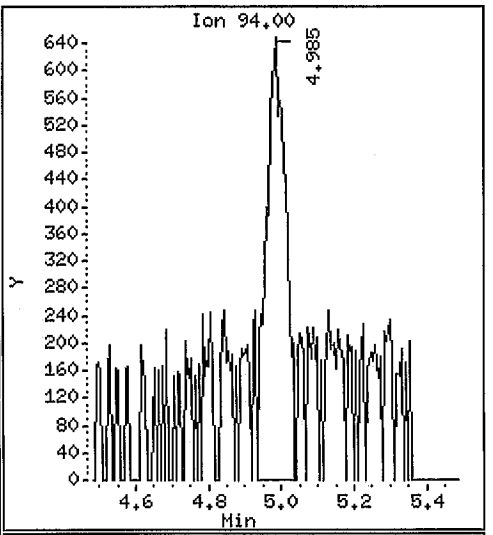
Concentration: 0.01355 ppb(v/v)

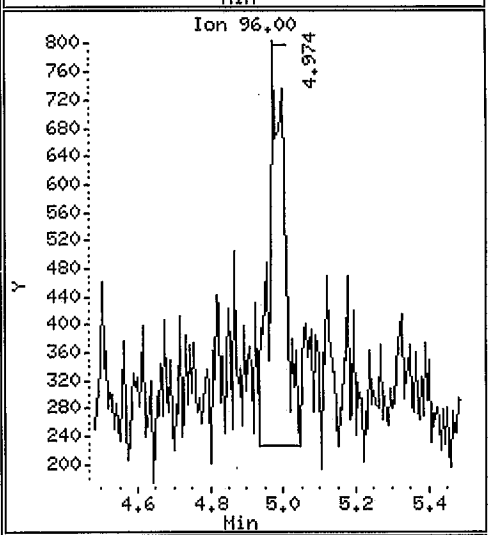


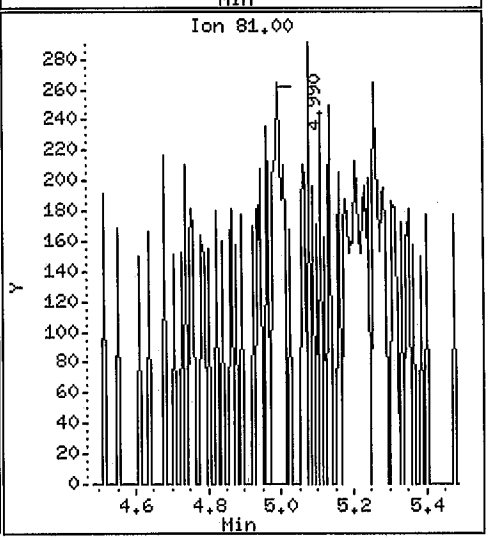












Data File: /var/chem/gcms/mr.i/R022813.b/rblkb28.d

Date : 28-FEB-2013 12:24

Client ID: BLANK

Instrument: mr.i

Sample Info: MX8QX1AA,,3,,,BLANK

Purge Volume: 500.0

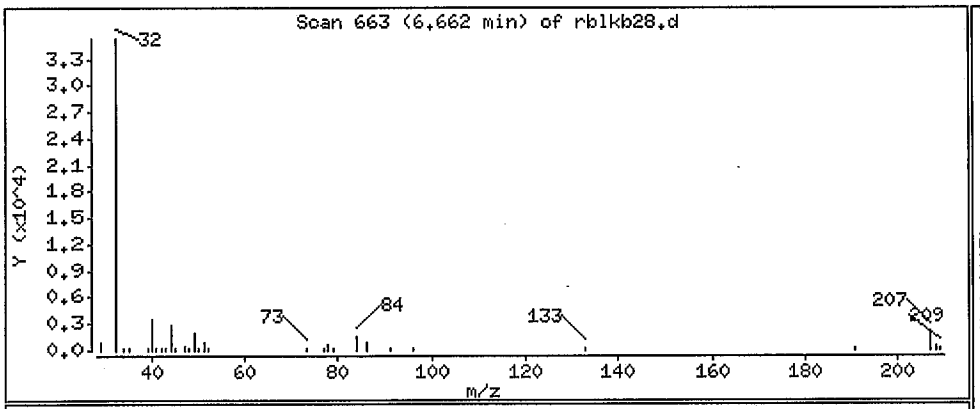
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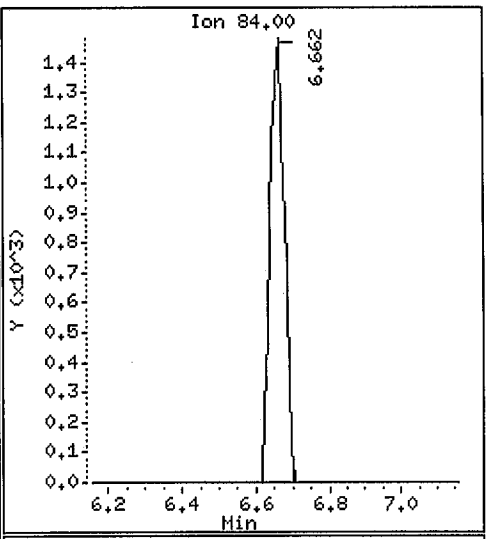
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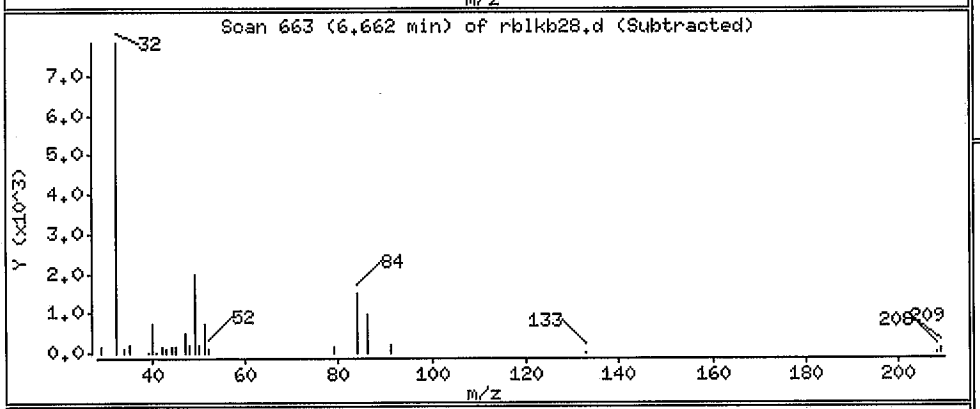
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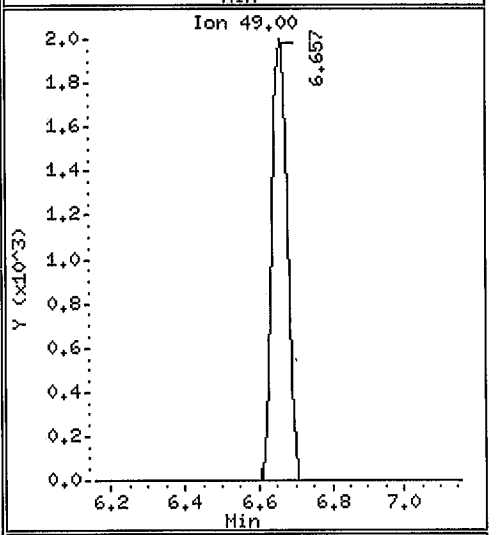
31 Methylene Chloride

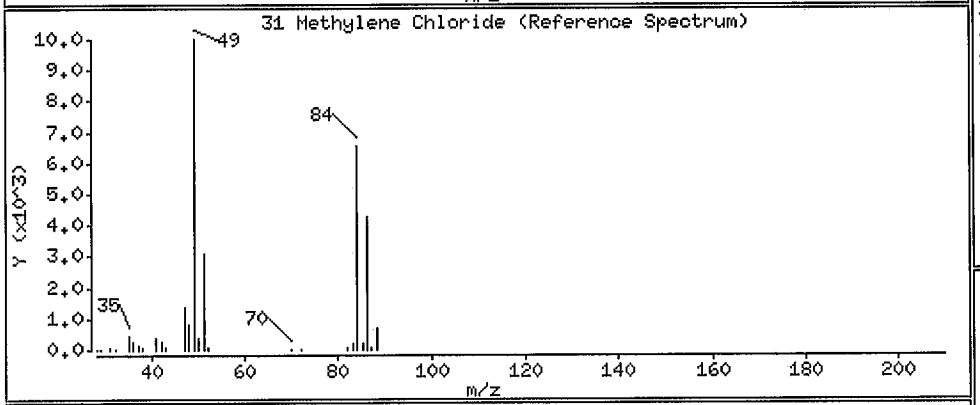
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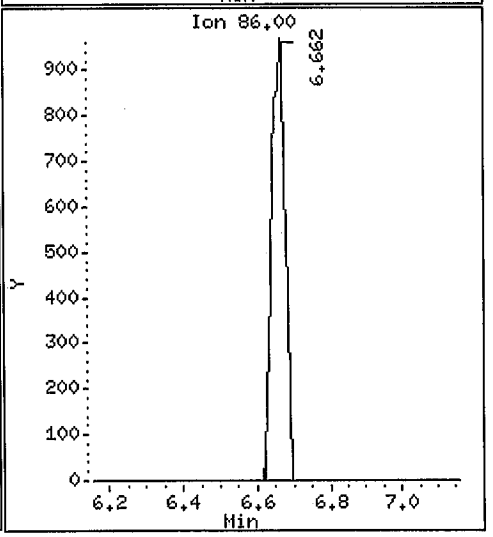


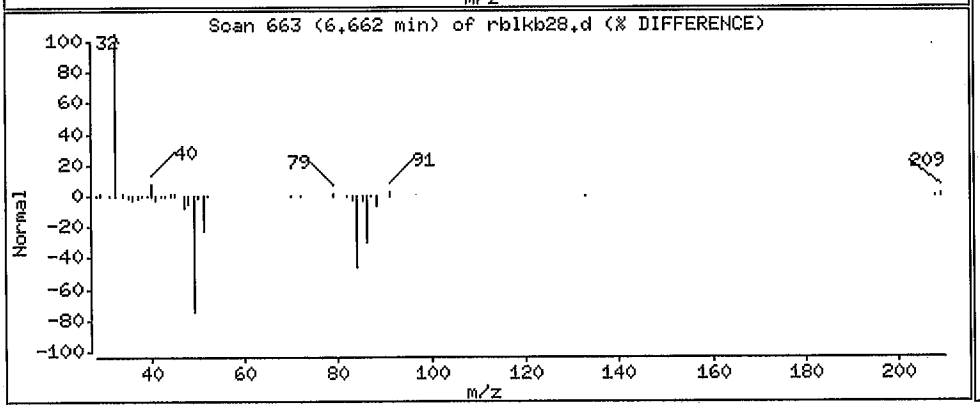












Data File: /var/chem/gcms/mr.i/R022813.b/rblkb28.d

Date : 28-FEB-2013 12:24

Client ID: BLANK

Instrument: mr.i

Sample Info: MX8QX1AA,,3,,,BLANK

Purge Volume: 500.0

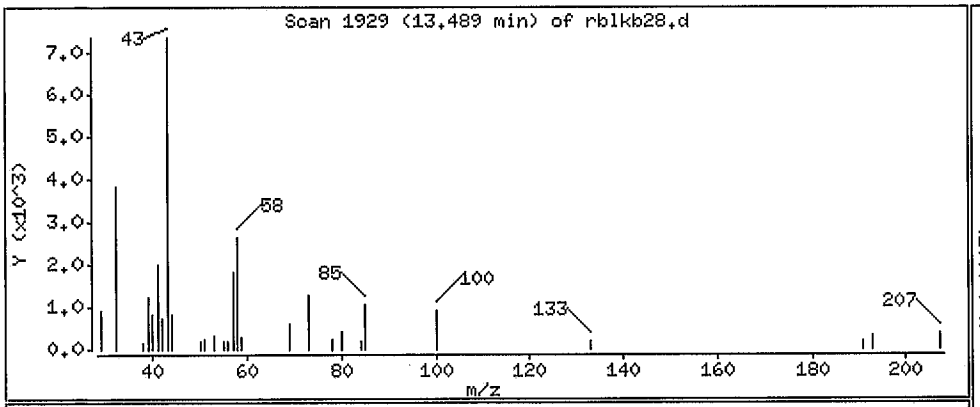
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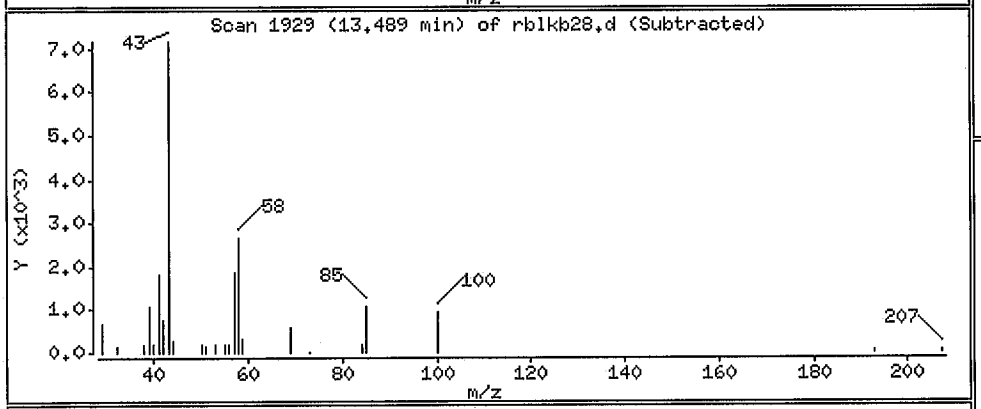
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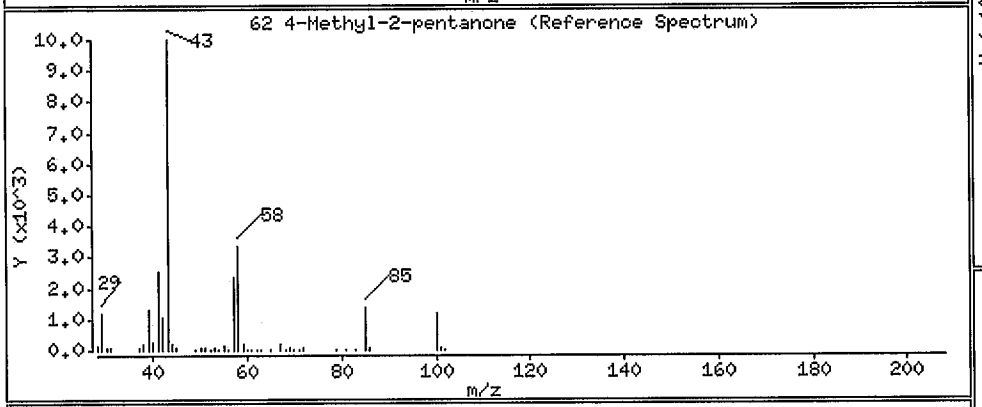
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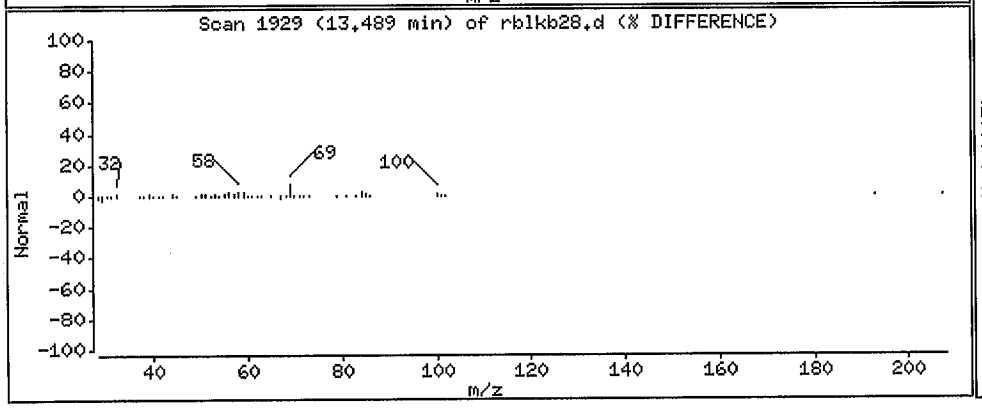
62 4-Methyl-2-pentanone

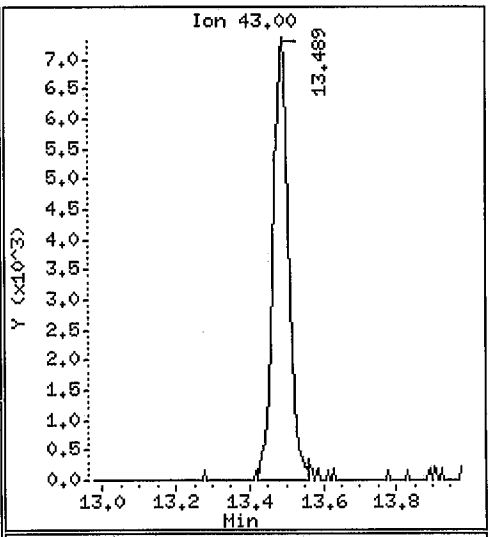
Concentration: 0.05456 ppb(v/v)

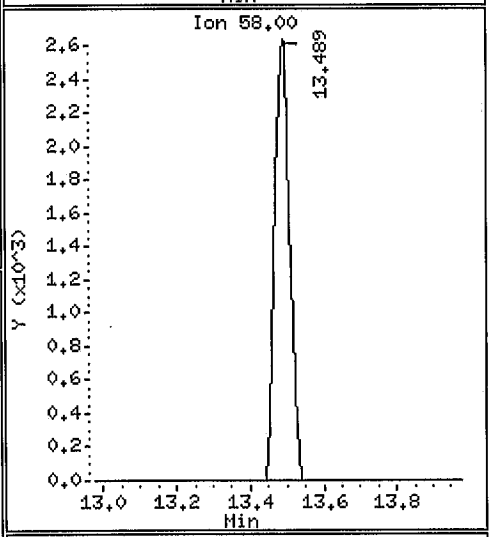


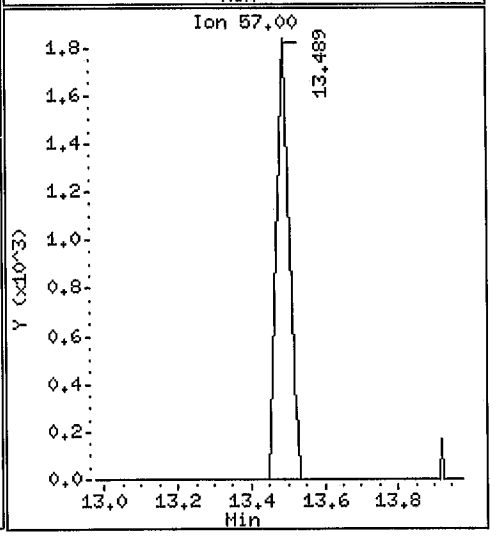












New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C010000 - 017C **Work Order #** MX8QX1AC **Matrix.....:** AIR

	02/20/2013	**Date Received..:**	02/28/2013
Prep Date.....:	02/28/2013	**Analysis Date...**	02/28/2013
Prep Batch #.....:	3060017		
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
1,1,1-Trichloroethane	5.00	5.08	27	27.7	102	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.05	34	34.7	101	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.50	38	34.5	90	70 - 130
1,1,2-Trichloroethane	5.00	5.03	27	27.4	101	70 - 130
1,1-Dichloroethane	5.00	5.10	20	20.6	102	70 - 130
1,1-Dichloroethene	5.00	4.36	20	17.3	87	70 - 130
1,2,4-Trichlorobenzene	5.00	4.17	37	31.0	83	60 - 140
1,2,4-Trimethylbenzene	5.00	4.87	25	24.0	97	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.05	38	38.8	101	70 - 130
1,2-Dichlorobenzene	5.00	4.69	30	28.2	94	70 - 130
1,2-Dichloroethane	5.00	5.04	20	20.4	101	70 - 130
1,2-Dichloropropane	5.00	5.13	23	23.7	103	70 - 130
1,3,5-Trimethylbenzene	5.00	4.77	25	23.4	95	70 - 130
1,4-Dichlorobenzene	5.00	4.67	30	28.1	93	70 - 130
1,4-Dioxane	5.00	4.82	18	17.4	96	60 - 140
2-Butanone (MEK)	5.00	4.95	15	14.6	99	60 - 140
1,3-Dichlorobenzene	5.00	4.66	30	28.0	93	70 - 130
2,2,4-Trimethylpentane	5.00	5.33	23	24.9	107	70 - 130
Benzene	5.00	4.83	16	15.4	97	70 - 130
Benzyl chloride	5.00	5.18	26	26.8	104	70 - 130
Bromodichloromethane	5.00	5.41	34	36.3	108	70 - 130
Bromoform	5.00	5.50	52	56.9	110	60 - 140
Bromomethane	5.00	5.25	19	20.4	105	70 - 130
Carbon tetrachloride	5.00	5.22	31	32.8	104	70 - 130
Chlorobenzene	5.00	4.79	23	22.1	96	70 - 130
Chloroethane	5.00	5.33	13	14.1	107	70 - 130
Chloroform	5.00	5.04	24	24.6	101	70 - 130
Cyclohexane	5.00	5.18	17	17.8	104	70 - 130
Chloromethane	5.00	5.38	10	11.1	108	60 - 140
cis-1,2-Dichloroethene	5.00	4.75	20	18.8	95	70 - 130
cis-1,3-Dichloropropene	5.00	5.19	23	23.6	104	70 - 130
Dibromochloromethane	5.00	5.29	43	45.0	106	70 - 130
Dichlorodifluoromethane	5.00	5.38	25	26.6	108	60 - 140
Ethanol	25.0	23.2	47	43.8	93	20 - 180
Ethylbenzene	5.00	4.81	22	20.9	96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.25	35	36.7	105	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C010000 - 017C **Work Order #** MX8QX1AC **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
n-Hexane	5.00	5.35	18	18.9	107	70 - 130
Hexachlorobutadiene	5.00	4.07	53	43.4	81	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	5.60	20	23.0	112	60 - 140
Methyl tert-butyl ether	5.00	5.29	18	19.1	106	60 - 140
Methylene chloride	5.00	4.62	17	16.0	92	70 - 130
Styrene	5.00	5.13	21	21.8	103	70 - 130
tert-Butyl alcohol	5.00	5.16	15	15.6	103	60 - 140
Tetrachloroethene	5.00	4.68	34	31.8	94	70 - 130
Toluene	5.00	4.73	19	17.8	95	70 - 130
m-Xylene & p-Xylene	10.0	9.80	43	42.5	98	70 - 130
o-Xylene	5.00	4.89	22	21.2	98	70 - 130
trans-1,2-Dichloroethene	5.00	5.04	20	20.0	101	70 - 130
trans-1,3-Dichloropropene	5.00	5.00	23	22.7	100	70 - 130
Trichloroethene	5.00	4.82	27	25.9	96	70 - 130
Trichlorofluoromethane	5.00	5.29	28	29.7	106	60 - 140
Vinyl chloride	5.00	5.43	13	13.9	109	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Lab Smp Id: MX8QX1AC Client Smp ID: LCS
Inj Date : 28-FEB-2013 10:07
Operator : 7126 Inst ID: mr.i
Smp Info : MX8QX1AC,,3, 6,,STD2
Misc Info : R022813,TO15,
Comment :
Method : /var/chem/gcms/mr.i/R022813.b/TO15.m
Meth Date : 28-Feb-2013 19:25 barlozha Quant Type: ISTD
Cal Date : 20-FEB-2013 20:14 Cal File: ricb205.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.088	9.088	(1.000)	437348	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.272	11.272	(1.000)	2178721	4.00000	4.000
*	3 Chlorobenzene-d5	117	17.495	17.495	(1.000)	1632809	4.00000	4.000
$	4 4-Bromofluorobenzene	95	20.224	20.224	(1.156)	1182238	4.13559	10.34
M	83 Xylene (total)	100				3899781	5.87592	14.69
	5 Chlorodifluoromethane	67	4.181	4.181	(0.460)	91107	2.03925	5.098
	6 Propene	41	4.192	4.192	(0.461)	306327	2.30412	5.760
	7 Dichlorodifluoromethane	85	4.241	4.241	(0.467)	981601	2.15388	5.385
	8 Chloromethane	52	4.419	4.419	(0.486)	119845	2.15132	5.378
	9 1,2-Dichlorotetrafluoroethane	135	4.429	4.429	(0.487)	763224	2.10133	5.253
	10 Methanol	31	4.564	4.564	(0.502)	89225	2.19872	5.497
	11 ~ acetaldehyde	44	4.570	4.570	(0.503)	715056	10.9134	27.28
	12 Vinyl Chloride	62	4.586	4.586	(0.505)	416472	2.17261	5.432
	13 n-Butane	43	4.677	4.677	(0.515)	598268	2.11262	5.282
	14 1,3-Butadiene	54	4.672	4.672	(0.514)	314974	2.09182	5.230

Data File: /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
15	Bromomethane	94	4.985	4.985	(0.548)	374094	2.10163	5.254
16	Chloroethane	64	5.120	5.120	(0.563)	206409	2.13227	5.331
17	~ ethanol	31	5.222	5.222	(0.575)	557258	9.29046	23.23
18	Vinyl Bromide	106	5.411	5.411	(0.595)	350183	1.95462	4.886
19	2-methyl butane	43	5.470	5.470	(0.602)	465093	2.16141	5.404
20	Trichlorofluoromethane	101	5.675	5.675	(0.624)	937027	2.11624	5.290
21	Acrolein	56	5.670	5.670	(0.624)	149356	2.28083	5.702
22	Acetonitrile	40	5.724	5.724	(0.630)	152045	2.27974	5.699
25	Pentane	72	5.891	5.891	(0.648)	77456	2.19627	5.491
23	Acetone	58	5.777	5.777	(0.636)	184421	2.05477	5.137
24	Isopropyl alcohol	45	5.875	5.875	(0.646)	519685	2.07408	5.185
26	Ethyl Ether	31	6.036	6.036	(0.664)	447630	2.40459	6.011
27	1,1-Dichloroethene	96	6.338	6.338	(0.697)	306316	1.74533	4.363
29	Acrylonitrile	53	6.414	6.414	(0.706)	294597	2.16992	5.425
30	1,1,2-Trichlorotrifluoroethane	101	6.516	6.516	(0.717)	657548	1.80197	4.505
28	tert-butanol	59	6.435	6.435	(0.708)	618133	2.06272	5.157
31	Methylene Chloride	84	6.656	6.656	(0.732)	290921	1.84620	4.615
32	3-Chloropropene	39	6.678	6.678	(0.735)	237091	1.90977	4.774
33	Carbon Disulfide	76	6.824	6.824	(0.751)	1040548	2.06787	5.170
35	~ 2-Methyl Pentane	43	7.471	7.471	(0.822)	885625	2.26219	5.655
34	trans-1,2-Dichloroethene	96	7.438	7.438	(0.818)	366028	2.01810	5.045
36	Methyl-t-Butyl Ether	73	7.562	7.562	(0.832)	981655	2.11728	5.293
37	1,1-Dichloroethane	63	7.827	7.827	(0.861)	641521	2.03926	5.098
38	Vinyl Acetate	43	7.929	7.929	(0.872)	936738	2.23814	5.595
39	2-Butanone	72	8.344	8.344	(0.918)	173743	1.97864	4.947
40	Hexane	56	8.414	8.414	(0.926)	321716	2.14095	5.352
41	cis 1,2-Dichloroethene	96	8.770	8.770	(0.965)	349368	1.90016	4.750
42	Ethyl acetate	43	8.948	8.948	(0.985)	850368	2.29436	5.736
43	Chloroform	83	9.105	9.105	(1.002)	706506	2.01523	5.038
44	Tetrahydrofuran	42	9.498	9.498	(1.045)	433075	2.19022	5.476
45	1,1,1-Trichloroethane	97	10.113	10.113	(1.113)	692753	2.03211	5.080
46	1,2-Dichloroethane	62	10.194	10.194	(0.904)	480586	2.01458	5.036
49	Cyclohexane	69	10.722	10.722	(0.951)	177290	2.07276	5.182
48	Benzene	78	10.706	10.706	(0.950)	1064697	1.93061	4.826
50	Carbon Tetrachloride	117	10.738	10.738	(0.953)	594386	2.08637	5.216
51	~ 2,3-dimethylpentane	71	10.857	10.857	(0.963)	244528	2.10598	5.265
47	1-Butanol	31	10.674	10.674	(0.947)	118707	2.21162	5.529
52	~ Thiophene	84	10.981	10.981	(0.974)	658760	2.04510	5.113
53	2,2,4-trimethylpentane	57	11.547	11.547	(1.024)	1905588	2.13322	5.333
54	Heptane	71	11.968	11.968	(1.062)	401726	2.07590	5.190
55	1,2-Dichloropropane	63	12.011	12.011	(1.066)	414937	2.05226	5.131
56	Trichloroethene	130	12.070	12.070	(1.071)	472899	1.92769	4.819
180	~ 2-nitropropane	43	11.968	11.968	(1.062)	718153		
57	Dibromomethane	93	12.140	12.140	(1.077)	418589	2.11872	5.297
58	Bromodichloromethane	83	12.318	12.318	(1.093)	758916	2.16493	5.412
60	Methyl Methacrylate	41	12.442	12.442	(1.104)	515197	2.36221	5.906
59	1,4-dioxane	88	12.335	12.335	(1.094)	150242	1.92791	4.820

Data File: /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
61	~ methyl cyclohexane	83	12.998	12.998	(1.153)	675546	2.06293	5.157
63	cis-1,3-Dichloropropene	75	13.543	13.543	(1.201)	594443	2.07641	5.191
62	4-Methyl-2-pentanone	43	13.478	13.478	(1.196)	872477	2.24110	5.603
64	trans-1,3-Dichloropropene	75	14.454	14.454	(0.826)	592379	2.00097	5.002
65	Toluene	91	14.632	14.632	(0.836)	1280697	1.89041	4.726
66	1,1,2-Trichloroethane	83	14.713	14.713	(0.841)	381184	2.01213	5.030
67	~ 2-methyl thiophene	97	14.831	14.831	(0.848)	1134853	1.98041	4.951
68	~ 3-methyl thiophene	97	15.112	15.112	(0.864)	1156335	1.97198	4.930
69	2-Hexanone	58	15.273	15.273	(0.873)	435427	2.11109	5.278
70	Octane	85	15.656	15.656	(0.895)	442176	1.98587	4.965
71	Dibromochloromethane	129	15.689	15.689	(0.897)	726450	2.11431	5.286
72	1,2-Dibromoethane	107	16.098	16.098	(0.920)	678398	2.01946	5.049
73	Tetrachloroethene	129	16.244	16.244	(0.928)	449675	1.87406	4.685
75	~ 2,3-dimethylheptane	43	17.705	17.705	(1.012)	1296351	2.15994	5.400
74	Chlorobenzene	112	17.571	17.571	(1.004)	1024661	1.91709	4.793
76	Ethylbenzene	91	18.067	18.067	(1.033)	1635531	1.92242	4.806
77	~ 2-ethyl thiophene	97	18.223	18.223	(1.042)	1281671	2.00163	5.004
78	m&p-Xylene	91	18.336	18.336	(1.048)	2573559	3.91857	9.796
79	Nonane	57	19.129	19.129	(1.093)	942130	2.13307	5.333
80	Bromoform	173	18.994	18.994	(1.086)	679124	2.20058	5.501
81	Styrene	104	19.091	19.091	(1.091)	957007	2.05172	5.129
82	o-Xylene	91	19.194	19.194	(1.097)	1326222	1.95735	4.893
84	1,1,2,2-Tetrachloroethane	83	19.728	19.728	(1.128)	988370	2.02072	5.052
85	1,2,3-Trichloropropane	110	19.992	19.992	(1.143)	291285	1.96322	4.908
86	Cumene	105	20.207	20.207	(1.155)	1973244	2.01571	5.039
87	n-Propylbenzene	120	21.167	21.167	(1.210)	548900	1.95578	4.889
88	2-chlorotoluene	126	21.200	21.200	(1.212)	484508	1.89943	4.748
89	4-Ethyltoluene	105	21.453	21.453	(1.226)	1973732	1.96815	4.920
90	1,3,5-Trimethylbenzene	120	21.609	21.609	(1.235)	901781	1.90637	4.766
91	Alpha-Methylstyrene	118	22.035	22.035	(1.260)	751064	2.02349	5.059
92	Decane	57	22.294	22.294	(1.274)	1202891	2.16994	5.425
93	tert-butylbenzene	119	22.413	22.413	(1.281)	1720466	1.93059	4.826
94	1,2,4-Trimethylbenzene	105	22.445	22.445	(1.283)	1613076	1.94909	4.873
95	sec-butylbenzene	105	22.968	22.968	(1.313)	2419052	1.98397	4.960
96	1,3-Dichlorobenzene	146	22.931	22.931	(1.311)	1045983	1.86551	4.664
97	Benzyl Chloride	91	23.098	23.098	(1.320)	1458302	2.07352	5.184
98	1,4-Dichlorobenzene	146	23.114	23.114	(1.321)	1051866	1.86646	4.666
99	p-Cymene	119	23.330	23.330	(1.333)	2015852	1.94605	4.865
100	~ 1,2,3- Trimethylbenzene	105	23.394	23.394	(1.337)	1421863	1.91290	4.782
101	~ n-butylcyclohexane	83	23.572	23.572	(1.347)	1343706	1.98960	4.974
102	~ Indane	117	23.885	23.885	(1.365)	1539352	1.92935	4.823
103	1,2-Dichlorobenzene	146	23.858	23.858	(1.364)	1011472	1.87472	4.687
104	n-butylbenzene	91	24.279	24.279	(1.388)	1910885	1.97502	4.938
105	~ Indene	116	24.155	24.155	(1.381)	1512781	2.01174	5.029
106	Undecane	57	25.168	25.168	(1.439)	1382505	2.13483	5.337
107	~ 1,2-dimethyl-4-ethylenzene	119	25.136	25.136	(1.437)	1997769	1.93270	4.832
108	~ 1,2,4,5-tetramethylbenzene	119	26.047	26.047	(1.489)	2071335	1.95935	4.898

Data File: /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	26.171	26.171	(1.496)	1283674	1.93743	4.844
110 ~ 1,2,3,4-tetramethylbenzene	119	27.045	27.045	(1.546)	1709844	1.97565	4.939
111 Dodecane	57	27.617	27.617	(1.579)	1236607	2.24821	5.620
112 1,2,4-Trichlorobenzene	180	27.724	27.724	(1.585)	784401	1.66984	4.174
113 Napthalene	128	27.956	27.956	(1.598)	1873498	1.67426	4.186
114 ~ benzo(b) thiophene	134	28.150	28.150	(1.609)	1639553	2.04854	5.121
115 Hexachlorobutadiene	225	28.469	28.469	(1.627)	734336	1.62925	4.073
116 1,2,3-trichlorobenzene	180	28.517	28.517	(1.630)	749510	1.59388	3.985
117 ~ 2-Methylnaphthalene	142	29.962	29.962	(1.713)	1951473	17.4961	43.74(R)
118 ~ 1-Methylnaphthalene	142	30.270	30.270	(1.730)	1685180	17.2458	43.11(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mr.i
Lab File ID: rlcsb28.d
Lab Smp Id: MX8QX1AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,

Calibration Date: 28-FEB-2013
Calibration Time: 10:07
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	437348	260222	614474	437348	0.00
2 1,4-Difluorobenze	2178721	1296339	3061103	2178721	0.00
3 Chlorobenzene-d5	1632809	971521	2294097	1632809	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.09	8.76	9.42	9.09	0.00
2 1,4-Difluorobenze	11.27	10.94	11.60	11.27	0.00
3 Chlorobenzene-d5	17.50	17.17	17.83	17.50	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/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: MX8QX1AC
Level: LOW
Data Type: MS DATA
SpikeList File: allnew.spk
Sublist File: all.sub
Method File: /var/chem/gcms/mr.i/R022813.b/TO15.m
Misc Info: R022813,TO15,

Client SDG: R022813
Fraction: OTHER
Client Smp ID: LCS
Operator: 7126
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5 Chlorodifluorometh	5.000	5.098	101.96	60-140
6 Propene	5.000	5.760	115.21	60-140
7 Dichlorodifluorome	5.000	5.385	107.69	60-140
8 Chloromethane	5.000	5.378	107.57	60-140
9 1,2-Dichlorotetraf	5.000	5.253	105.07	60-140
10 Methanol	5.000	5.497	109.94	60-140
11 ~ acetaldehyde	25.00	27.28	109.13	70-130
12 Vinyl Chloride	5.000	5.432	108.63	70-130
13 n-Butane	5.000	5.282	105.63	60-140
14 1,3-Butadiene	5.000	5.230	104.59	60-140
15 Bromomethane	5.000	5.254	105.08	70-130
16 Chloroethane	5.000	5.331	106.61	70-130
17 ~ ethanol	25.00	23.23	92.90	70-130
18 Vinyl Bromide	5.000	4.886	97.73	60-140
19 2-methyl butane	5.000	5.404	108.07	70-130
20 Trichlorofluoromet	5.000	5.290	105.81	60-140
21 Acrolein	5.000	5.702	114.04	60-140
22 Acetonitrile	5.000	5.699	113.99	60-140
23 Acetone	5.000	5.137	102.74	60-140
25 Pentane	5.000	5.491	109.81	70-130
24 Isopropyl alcohol	5.000	5.185	103.70	60-140
26 Ethyl Ether	5.000	6.011	120.23	60-140
27 1,1-Dichloroethene	5.000	4.363	87.27	70-130
28 tert-butanol	5.000	5.157	103.14	60-140
29 Acrylonitrile	5.000	5.425	108.50	60-140
30 1,1,2-Trichlorotri	5.000	4.505	90.10	70-130
31 Methylene Chloride	5.000	4.615	92.31	70-130
32 3-Chloropropene	5.000	4.774	95.49	60-140
33 Carbon Disulfide	5.000	5.170	103.39	70-130
34 trans-1,2-Dichloro	5.000	5.045	100.91	70-130
35 ~ 2-Methyl Pentane	5.000	5.655	113.11	70-130
36 Methyl-t-Butyl Eth	5.000	5.293	105.86	60-140
37 1,1-Dichloroethane	5.000	5.098	101.96	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

	SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
	38	Vinyl Acetate	5.000	5.595	111.91	60-140
	39	2-Butanone	5.000	4.947	98.93	60-140
	40	Hexane	5.000	5.352	107.05	70-130
	41	cis 1,2-Dichloroet	5.000	4.750	95.01	70-130
	42	Ethyl acetate	5.000	5.736	114.72	60-140
	43	Chloroform	5.000	5.038	100.76	70-130
	44	Tetrahydrofuran	5.000	5.476	109.51	60-140
	45	1,1,1-Trichloroeth	5.000	5.080	101.61	70-130
	46	1,2-Dichloroethane	5.000	5.036	100.73	70-130
	47	1-Butanol	5.000	5.529	110.58	60-140
	48	Benzene	5.000	4.826	96.53	70-130
	49	Cyclohexane	5.000	5.182	103.64	70-130
	50	Carbon Tetrachlori	5.000	5.216	104.32	70-130
	51	~ 2,3-dimethylpent	5.000	5.265	105.30	70-130
	52	~ Thiophene	5.000	5.113	102.26	70-130
	53	2,2,4-trimethylpen	5.000	5.333	106.66	70-130
	54	Heptane	5.000	5.190	103.80	70-130
	55	1,2-Dichloropropan	5.000	5.131	102.61	70-130
	56	Trichloroethene	5.000	4.819	96.38	70-130
	57	Dibromomethane	5.000	5.297	105.94	70-130
	58	Bromodichlorometha	5.000	5.412	108.25	70-130
	59	1,4-dioxane	5.000	4.820	96.40	60-140
	60	Methyl Methacrylat	5.000	5.906	118.11	60-140
	61	~ methyl cyclohexa	5.000	5.157	103.15	70-130
	62	4-Methyl-2-pentano	5.000	5.603	112.05	60-140
	63	cis-1,3-Dichloropr	5.000	5.191	103.82	70-130
	64	trans-1,3-Dichloro	5.000	5.002	100.05	70-130
	65	Toluene	5.000	4.726	94.52	70-130
	66	1,1,2-Trichloroeth	5.000	5.030	100.61	70-130
	67	~ 2-methyl thiophe	5.000	4.951	99.02	70-130
	68	~ 3-methyl thiophe	5.000	4.930	98.60	70-130
	69	2-Hexanone	5.000	5.278	105.55	60-140
	70	Octane	5.000	4.965	99.29	70-130
	71	Dibromochlorometha	5.000	5.286	105.72	70-130
	72	1,2-Dibromoethane	5.000	5.049	100.97	70-130
	73	Tetrachloroethene	5.000	4.685	93.70	70-130
	74	Chlorobenzene	5.000	4.793	95.85	70-130
	75	~ 2,3-dimethylhept	5.000	5.400	108.00	70-130
	76	Ethylbenzene	5.000	4.806	96.12	70-130
	77	~ 2-ethyl thiophen	5.000	5.004	100.08	70-130
	78	m&p-Xylene	10.00	9.796	97.96	70-130
M	83	Xylene (total)	15.00	14.69	97.93	70-130
	79	Nonane	5.000	5.333	106.65	60-140
	80	Bromoform	5.000	5.501	110.03	60-140
	81	Styrene	5.000	5.129	102.59	70-130
	82	o-Xylene	5.000	4.893	97.87	70-130
	84	1,1,2,2-Tetrachlor	5.000	5.052	101.04	70-130

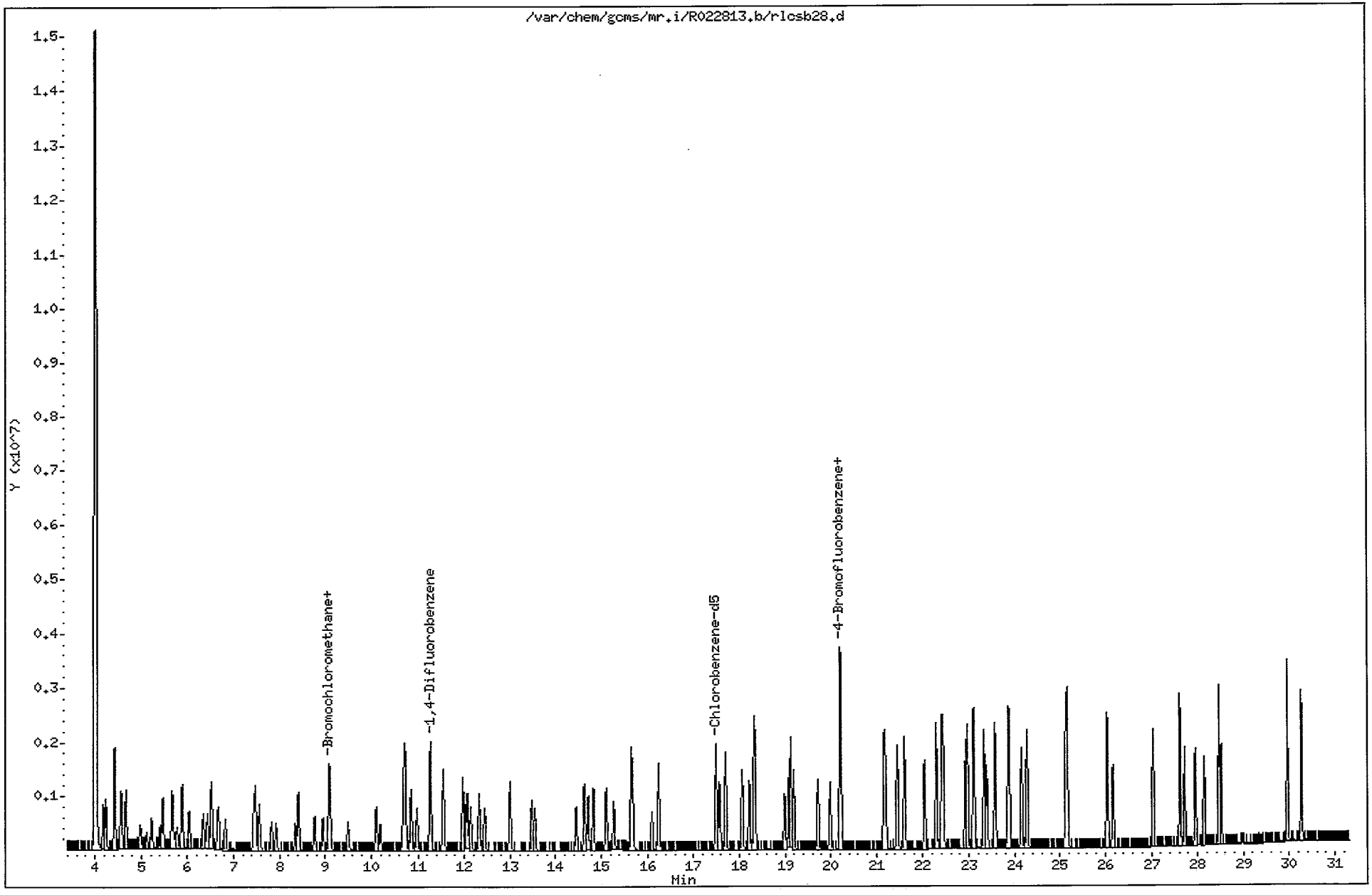
Data File: /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Report Date: 01-Mar-2013 10:47

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
85 1,2,3-Trichloropro	5.000	4.908	98.16	60-140
86 Cumene	5.000	5.039	100.79	70-130
87 n-Propylbenzene	5.000	4.889	97.79	70-130
88 2-chlorotoluene	5.000	4.748	94.97	70-130
89 4-Ethyltoluene	5.000	4.920	98.41	70-130
90 1,3,5-Trimethylben	5.000	4.766	95.32	70-130
91 Alpha-Methylstyren	5.000	5.059	101.17	60-140
92 Decane	5.000	5.425	108.50	60-140
93 tert-butylbenzene	5.000	4.826	96.53	70-130
94 1,2,4-Trimethylben	5.000	4.873	97.45	70-130
95 sec-butylbenzene	5.000	4.960	99.20	70-130
96 1,3-Dichlorobenzen	5.000	4.664	93.28	70-130
97 Benzyl Chloride	5.000	5.184	103.68	70-130
98 1,4-Dichlorobenzen	5.000	4.666	93.32	70-130
99 p-Cymene	5.000	4.865	97.30	70-130
100 ~ 1,2,3- Trimethyl	5.000	4.782	95.64	70-130
101 ~ n-butylcyclohexa	5.000	4.974	99.48	70-130
102 ~ Indane	5.000	4.823	96.47	70-130
103 1,2-Dichlorobenzen	5.000	4.687	93.74	70-130
104 n-butylbenzene	5.000	4.938	98.75	60-140
105 ~ Indene	5.000	5.029	100.59	70-130
106 Undecane	5.000	5.337	106.74	60-140
107 ~ 1,2-dimethyl-4-e	5.000	4.832	96.63	70-130
108 ~ 1,2,4,5-tetramet	5.000	4.898	97.97	70-130
109 ~ 1,2,3,5-tetramet	5.000	4.844	96.87	70-130
110 ~ 1,2,3,4-tetramet	5.000	4.939	98.78	70-130
111 Dodecane	5.000	5.620	112.41	60-140
112 1,2,4-Trichloroben	5.000	4.174	83.49	60-140
113 Napthalene	5.000	4.186	83.71	40-140
114 ~ benzo(b) thiophe	5.000	5.121	102.43	70-130
115 Hexachlorobutadien	5.000	4.073	81.46	60-140
116 1,2,3-trichloroben	5.000	3.985	79.69	40-140
117 ~ 2-Methylnaphthal	31.25	43.74	139.97*	70-130
118 ~ 1-Methylnaphthal	31.25	43.11	137.97*	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	10.00	10.34	103.39	70-130

Data File: /var/chem/gcms/mr.i/R022813.b/rlcsb28.d
Date : 28-FEB-2013 10:07
Client ID: LCS
Sample Info: MX8QX1AC,,3, 6,,STD2
Purge Volume: 200.0
Column phase: Rtx-5

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



New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C020000 - 010B **Work Order #** MX8861AA **Matrix.....:** AIR

	02/20/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/01/2013	**Analysis Date...**	03/01/2013
Prep Batch #.....:	3061010		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C020000 - 010B **Work Order #** MX8861AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	90	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/mg.i/G030113A.b/gblkc01.d
Report Date: 02-Mar-2013 12:43

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/gblkc01.d
Lab Smp Id: MX8861AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 01-MAR-2013 13:42
Operator : 7126 Inst ID: mg.i
Smp Info : MX8861AA,,3,,,BLANK
Misc Info : G030113A,TO15,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 01-Mar-2013 18:03 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 18 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	340890	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.646	9.652	(1.000)	1501593	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1241600	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.279	16.284	(1.116)	792996	3.60219	3.602

Data File: /var/chem/gcms/mg.i/G030113A.b/gblkc01.d
Report Date: 02-Mar-2013 12:43

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkc01.d
Lab Smp Id: MX8861AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,1-all.sub,,,,

Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	340890	-11.49
2 1,4-Difluorobenze	1517394	902849	2131939	1501593	-1.04
3 Chlorobenzene-d5	1361313	809981	1912645	1241600	-8.79

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.06
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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/mg.i/G030113A.b/gblkc01.d
Report Date: 02-Mar-2013 12:43

TestAmerica Knoxville

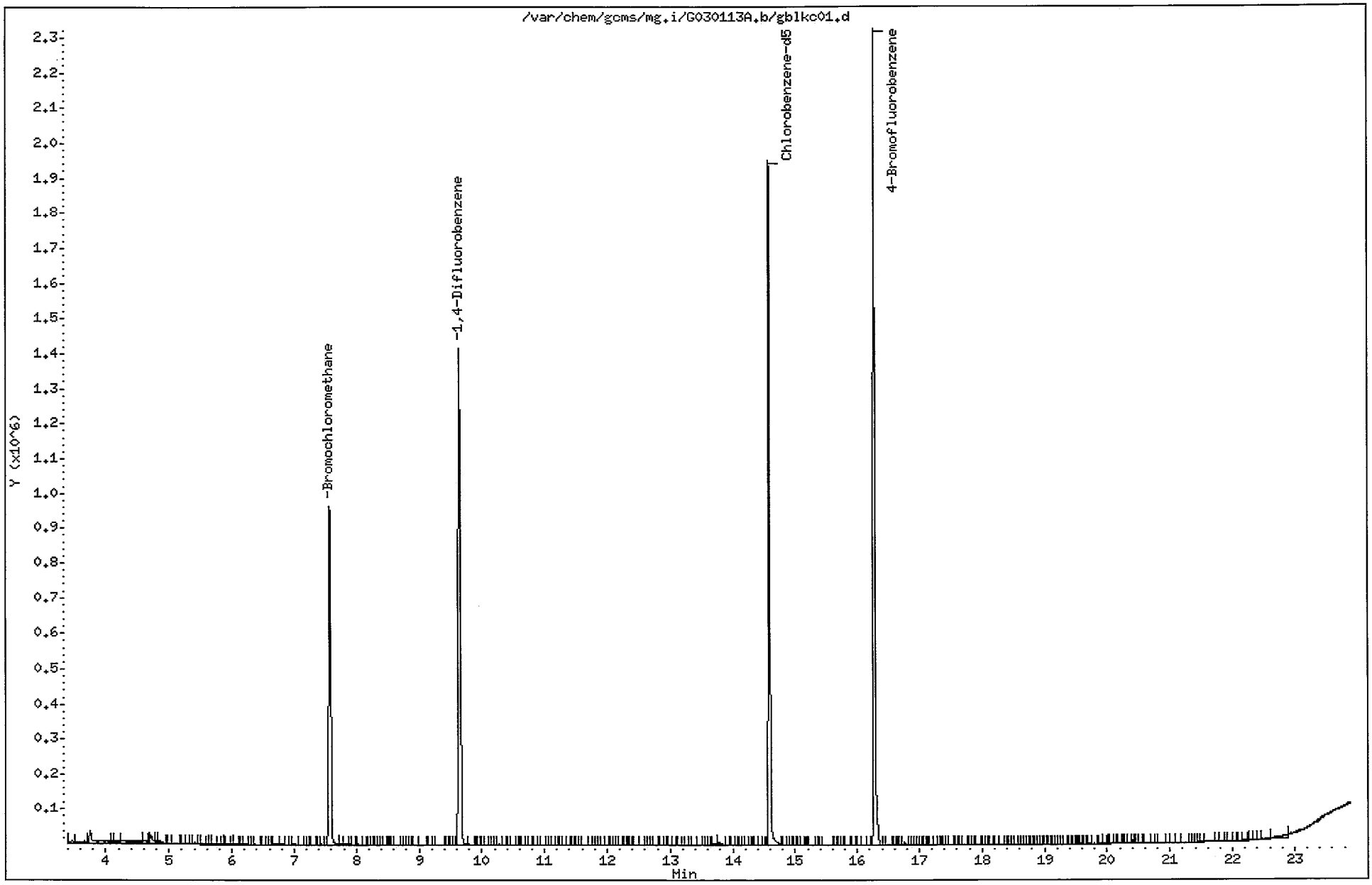
RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: MX8861AA
Level: LOW
Data Type: MS DATA
SpikeList File: allnew.spk
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,1-all.sub,,,,

Client SDG: H3C020000
Fraction: OTHER
Client Smp ID: INTRA-LAB BLANK
Operator: 7126
SampleType: METHOD BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.602	90.05	60-140

Data File: /var/chem/gcms/mg.i/G030113A.b/gblkc01.d
Date : 01-MAR-2013 13:42
Client ID: INTRA-LAB BLANK
Instrument: mg.i
Sample Info: MX8861AA,,3,,,BLANK
Purge Volume: 500.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C020000 - 010C **Work Order #** MX8861AC **Matrix.....:** AIR

	02/20/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/01/2013	**Analysis Date...**	03/01/2013
Prep Batch #.....:	3061010		
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
1,1,1-Trichloroethane	5.00	4.54	27	24.8	91	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.50	34	30.9	90	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.23	38	32.4	85	70 - 130
1,1,2-Trichloroethane	5.00	4.82	27	26.3	96	70 - 130
1,1-Dichloroethane	5.00	3.90	20	15.8	78	70 - 130
1,1-Dichloroethene	5.00	4.12	20	16.3	82	70 - 130
1,2,4-Trichlorobenzene	5.00	3.21	37	23.9	64	60 - 140
1,2,4-Trimethylbenzene	5.00	4.63	25	22.8	93	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.93	38	37.9	99	70 - 130
1,2-Dichlorobenzene	5.00	4.78	30	28.8	96	70 - 130
1,2-Dichloroethane	5.00	4.93	20	19.9	99	70 - 130
1,2-Dichloropropane	5.00	4.41	23	20.4	88	70 - 130
1,3,5-Trimethylbenzene	5.00	4.49	25	22.1	90	70 - 130
1,4-Dichlorobenzene	5.00	4.79	30	28.8	96	70 - 130
1,4-Dioxane	5.00	3.14	18	11.3	63	60 - 140
2-Butanone (MEK)	5.00	3.12	15	9.20	62	60 - 140
1,3-Dichlorobenzene	5.00	4.87	30	29.3	97	70 - 130
2,2,4-Trimethylpentane	5.00	4.74	23	22.2	95	70 - 130
Benzene	5.00	4.56	16	14.6	91	70 - 130
Benzyl chloride	5.00	4.72	26	24.4	94	70 - 130
Bromodichloromethane	5.00	5.36	34	35.9	107	70 - 130
Bromoform	5.00	5.54	52	57.3	111	60 - 140
Bromomethane	5.00	6.04	19	23.4	121	70 - 130
Carbon tetrachloride	5.00	5.40	31	34.0	108	70 - 130
Chlorobenzene	5.00	5.02	23	23.1	100	70 - 130
Chloroethane	5.00	5.74	13	15.1	115	70 - 130
Chloroform	5.00	4.30	24	21.0	86	70 - 130
Cyclohexane	5.00	4.92	17	16.9	98	70 - 130
Chloromethane	5.00	4.65	10	9.60	93	60 - 140
cis-1,2-Dichloroethene	5.00	4.09	20	16.2	82	70 - 130
cis-1,3-Dichloropropene	5.00	4.93	23	22.4	99	70 - 130
Dibromochloromethane	5.00	5.49	43	46.8	110	70 - 130
Dichlorodifluoromethane	5.00	5.03	25	24.9	101	60 - 140
Ethanol	25.0	16.9	47	31.8	67	20 - 180
Ethylbenzene	5.00	4.65	22	20.2	93	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.82	35	40.7	116	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C020000 - 010C **Work Order #** MX8861AC **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
n-Hexane	5.00	4.14	18	14.6	83	70 - 130
Hexachlorobutadiene	5.00	3.80	53	40.5	76	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	4.02	20	16.5	80	60 - 140
Methyl tert-butyl ether	5.00	3.86	18	13.9	77	60 - 140
Methylene chloride	5.00	3.93	17	13.7	79	70 - 130
Styrene	5.00	4.76	21	20.3	95	70 - 130
tert-Butyl alcohol	5.00	3.54	15	10.7	71	60 - 140
Tetrachloroethene	5.00	5.31	34	36.0	106	70 - 130
Toluene	5.00	4.64	19	17.5	93	70 - 130
m-Xylene & p-Xylene	10.0	9.46	43	41.1	95	70 - 130
o-Xylene	5.00	4.78	22	20.8	96	70 - 130
trans-1,2-Dichloroethene	5.00	4.63	20	18.3	93	70 - 130
trans-1,3-Dichloropropene	5.00	4.72	23	21.4	94	70 - 130
Trichloroethene	5.00	5.59	27	30.0	112	70 - 130
Trichlorofluoromethane	5.00	5.93	28	33.3	119	60 - 140
Vinyl chloride	5.00	5.94	13	15.2	119	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Lab Smp Id: MX8861AC Client Smp ID: CCV/LCS
Inj Date : 01-MAR-2013 11:32
Operator : 7126 Inst ID: mg.i
Smp Info : MX8861AC,,2,6,,CCV/LCS
Misc Info : G030113A,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030113A.b/TO15.m
Meth Date : 01-Mar-2013 18:03 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	385160	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.652	9.652	(1.000)	1517394	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1361313	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	981064	4.06458	10.16
M	83 Xylene (total)	100				1978795	5.69647	14.24
	5 Chlorodifluoromethane	67	3.450	3.450	(0.455)	64551	1.87545	4.689
	6 Propene	41	3.456	3.456	(0.456)	187719	1.73558	4.339
	7 Dichlorodifluoromethane	85	3.493	3.493	(0.461)	695963	2.01337	5.033
	8 Chloromethane	52	3.628	3.628	(0.479)	66663	1.85896	4.647
	9 1,2-Dichlorotetrafluoroethane	135	3.628	3.628	(0.479)	592426	2.32975	5.824
	10 Methanol	31	3.741	3.741	(0.494)	35740	1.64109	4.103
	11 ~ acetaldehyde	44	3.747	3.747	(0.494)	329556	9.57224	23.93
	12 Vinyl Chloride	62	3.752	3.752	(0.495)	242422	2.37561	5.939
	13 n-Butane	43	3.812	3.812	(0.503)	371221	2.21191	5.530
	14 1,3-Butadiene	54	3.812	3.812	(0.503)	180582	2.15939	5.398
	15 Bromomethane	94	4.054	4.054	(0.535)	232987	2.41539	6.038

Data File: /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb(v/v))	(ppb(v/v))
16 Chloroethane	64	4.151	4.151	(0.548)	104469	2.29450	5.736
17 ~ ethanol	31	4.254	4.254	(0.561)	208672	6.74906	16.87(R)
18 Vinyl Bromide	106	4.372	4.372	(0.577)	226775	2.27043	5.676
19 2-methyl butane	43	4.394	4.394	(0.580)	243982	2.34852	5.871
20 Trichlorofluoromethane	101	4.566	4.566	(0.602)	752225	2.37059	5.926
21 Acrolein	56	4.599	4.599	(0.607)	51000	2.12945	5.324
22 Acetonitrile	40	4.669	4.669	(0.616)	61234	1.90590	4.765
25 Pentane	72	4.717	4.717	(0.622)	37302	2.33547	5.839
23 Acetone	58	4.696	4.696	(0.619)	61877	1.79344	4.484
24 Isopropyl alcohol	45	4.771	4.771	(0.629)	166410	1.58291	3.957
26 Ethyl Ether	31	4.874	4.874	(0.643)	174138	1.63758	4.094
27 1,1-Dichloroethene	96	5.111	5.111	(0.674)	192968	1.64848	4.121
29 Acrylonitrile	53	5.235	5.235	(0.691)	117232	1.46538	3.663
30 1,1,2-Trichlorotrifluoroethane	101	5.246	5.246	(0.692)	411421	1.69152	4.229
28 tert-butanol	59	5.235	5.235	(0.691)	236400	1.41761	3.544
31 Methylene Chloride	84	5.408	5.408	(0.713)	161523	1.57343	3.934
32 3-Chloropropene	39	5.408	5.408	(0.713)	143722	1.48363	3.709
33 Carbon Disulfide	76	5.510	5.510	(0.727)	602143	1.82320	4.558
35 ~ 2-Methyl Pentane	43	6.033	6.033	(0.796)	484942	1.64022	4.100
34 trans-1,2-Dichloroethene	96	6.055	6.055	(0.799)	228583	1.85058	4.626
36 Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	418679	1.54526	3.863
37 1,1-Dichloroethane	63	6.421	6.421	(0.847)	334592	1.56034	3.901
38 Vinyl Acetate	43	6.535	6.535	(0.862)	373586	1.32850	3.321
39 2-Butanone	72	6.945	6.945	(0.916)	62068	1.24777	3.119
40 Hexane	56	6.864	6.864	(0.905)	169967	1.65389	4.135
41 cis 1,2-Dichloroethene	96	7.295	7.295	(0.962)	207487	1.63599	4.090
42 Ethyl acetate	43	7.495	7.495	(0.989)	307694	1.29082	3.227
43 Chloroform	83	7.592	7.592	(1.001)	418148	1.71821	4.296
44 Tetrahydrofuran	42	7.996	7.996	(1.055)	171021	1.28300	3.207
45 1,1,1-Trichloroethane	97	8.498	8.498	(1.121)	469614	1.81567	4.539
46 1,2-Dichloroethane	62	8.622	8.622	(0.893)	277278	1.97043	4.926
49 Cyclohexane	69	9.010	9.010	(0.934)	93953	1.96850	4.921
48 Benzene	78	9.064	9.064	(0.939)	529851	1.82320	4.558
50 Carbon Tetrachloride	117	9.080	9.080	(0.941)	432247	2.15953	5.399
51 ~ 2,3-dimethylpentane	71	9.128	9.128	(0.946)	124697	1.97888	4.947
47 1-Butanol	31	9.155	9.155	(0.949)	37612	1.25318	3.133
52 ~ Thiophene	84	9.339	9.339	(0.968)	354408	2.02871	5.072
53 2,2,4-trimethylpentane	57	9.776	9.776	(1.013)	956458	1.89721	4.743
54 Heptane	71	10.202	10.202	(1.057)	201489	1.95925	4.898
55 1,2-Dichloropropane	63	10.331	10.331	(1.070)	189229	1.76491	4.412
56 Trichloroethene	130	10.369	10.369	(1.074)	355966	2.23567	5.589
180 ~ 2-nitropropane	43	10.735	10.735	(1.112)	10864		
57 Dibromomethane	93	10.477	10.477	(1.085)	251171	2.09673	5.242
58 Bromodichloromethane	83	10.638	10.638	(1.102)	450342	2.14228	5.356
60 Methyl Methacrylate	41	10.789	10.789	(1.118)	184513	1.50472	3.762
59 1,4-dioxane	88	10.735	10.735	(1.112)	38278	1.25491	3.137
61 ~ methyl cyclohexane	83	11.124	11.124	(1.153)	375021	2.03843	5.096

Data File: /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	11.711	11.711	(1.213)	281713	1.97045	4.926
62	4-Methyl-2-pentanone	43	11.674	11.674	(1.210)	300973	1.60886	4.022
64	trans-1,3-Dichloropropene	75	12.461	12.461	(0.854)	265063	1.88718	4.718
65	Toluene	91	12.536	12.536	(0.859)	668632	1.85405	4.635
66	1,1,2-Trichloroethane	83	12.650	12.650	(0.867)	192704	1.92706	4.818
67	~ 2-methyl thiophene	97	12.698	12.698	(0.870)	611471	1.97249	4.931
68	~ 3-methyl thiophene	97	12.908	12.908	(0.885)	592296	1.94001	4.850
69	2-Hexanone	58	13.086	13.086	(0.897)	149867	1.64635	4.116
70	Octane	85	13.243	13.243	(0.908)	233517	1.99142	4.978
71	Dibromochloromethane	129	13.361	13.361	(0.916)	479712	2.19527	5.488
72	1,2-Dibromoethane	107	13.647	13.647	(0.935)	369146	1.97151	4.929
73	Tetrachloroethene	129	13.712	13.712	(0.940)	300421	2.12391	5.310
75	~ 2,3-dimethylheptane	43	14.645	14.645	(1.004)	644565	1.86028	4.651
74	Chlorobenzene	112	14.639	14.639	(1.003)	583065	2.00872	5.022
76	Ethylbenzene	91	14.936	14.936	(1.024)	828733	1.86149	4.654
77	~ 2-ethyl thiophene	97	15.044	15.044	(1.031)	646260	1.92755	4.819
78	m&p-Xylene	91	15.103	15.103	(1.035)	1307024	3.78428	9.461
79	Nonane	57	15.535	15.535	(1.065)	418458	1.85344	4.634
80	Bromoform	173	15.562	15.562	(1.067)	448039	2.21597	5.540
81	Styrene	104	15.588	15.588	(1.068)	479281	1.90606	4.765
82	o-Xylene	91	15.637	15.637	(1.072)	671771	1.91219	4.780
84	1,1,2,2-Tetrachloroethane	83	16.014	16.014	(1.098)	447182	1.79898	4.497
85	1,2,3-Trichloropropane	110	16.165	16.165	(1.108)	148890	1.92853	4.821
86	Cumene	105	16.241	16.241	(1.113)	965479	1.91382	4.784
87	n-Propylbenzene	120	16.802	16.802	(1.152)	269012	1.85933	4.648
88	2-chlorotoluene	126	16.840	16.840	(1.154)	283946	2.00280	5.007
89	4-Ethyltoluene	105	16.958	16.958	(1.162)	895784	1.79573	4.489
90	1,3,5-Trimethylbenzene	120	17.044	17.044	(1.168)	446188	1.79720	4.493
91	Alpha-Methylstyrene	118	17.309	17.309	(1.186)	382587	1.83808	4.595
92	Decane	57	17.357	17.357	(1.190)	483880	1.82801	4.570
93	tert-butylbenzene	119	17.503	17.503	(1.200)	848918	1.83147	4.579
94	1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	745888	1.85176	4.629
95	sec-butylbenzene	105	17.799	17.799	(1.220)	1091993	1.82532	4.563
96	1,3-Dichlorobenzene	146	17.816	17.816	(1.221)	590838	1.94856	4.871
97	Benzyl Chloride	91	17.918	17.918	(1.228)	559369	1.88897	4.722
98	1,4-Dichlorobenzene	146	17.918	17.918	(1.228)	560691	1.91479	4.787
99	p-Cymene	119	17.988	17.988	(1.233)	911408	1.83932	4.598
100	~ 1,2,3- Trimethylbenzene	105	18.037	18.037	(1.236)	619934	1.81712	4.543
101	~ n-butylcyclohexane	83	18.074	18.074	(1.239)	623999	1.87017	4.675
102	~ Indane	117	18.301	18.301	(1.254)	732952	1.89050	4.726
103	1,2-Dichlorobenzene	146	18.306	18.306	(1.255)	552793	1.91356	4.784
104	n-butylbenzene	91	18.457	18.457	(1.265)	759580	1.73129	4.328
105	~ Indene	116	18.446	18.446	(1.264)	695250	1.80499	4.512
106	Undecane	57	18.797	18.797	(1.288)	341508	1.43205	3.580
107	~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.856	(1.292)	793879	1.66151	4.154
108	~ 1,2,4,5-tetramethylbenzene	119	19.261	19.261	(1.320)	760167	1.65598	4.140
109	~ 1,2,3,5-tetramethylbenzene	119	19.320	19.320	(1.324)	480250	1.66265	4.157

Data File: /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.724	(1.352)	570091	1.63583	4.090
111 Dodecane	57	19.897	19.897	(1.364)	285533	1.41731	3.543
112 1,2,4-Trichlorobenzene	180	20.070	20.070	(1.375)	247954	1.28580	3.214
113 Napthalene	128	20.199	20.199	(1.384)	489657	1.23382	3.084
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	392541	1.49088	3.727
115 Hexachlorobutadiene	225	20.409	20.409	(1.399)	365000	1.51895	3.797
116 1,2,3-trichlorobenzene	180	20.474	20.474	(1.403)	185583	1.15410	2.885
117 ~ 2-Methylnaphthalene	142	21.288	21.288	(1.459)	147046	8.71043	21.78(R)
118 ~ 1-Methylnaphthalene	142	21.472	21.472	(1.472)	102705	8.68433	21.71(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsc01a.d
Lab Smp Id: MX8861AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,all.sub,,,,

Calibration Date: 01-MAR-2013
Calibration Time: 11:32
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	385160	229170	541150	385160	0.00
2 1,4-Difluorobenze	1517394	902849	2131939	1517394	0.00
3 Chlorobenzene-d5	1361313	809981	1912645	1361313	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	0.00
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G030113A
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MX8861AC
Client Smp ID: CCV/LCS
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: LCS
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/gcms/mg.i/G030113A.b/TO15.m
Misc Info: G030113A,TO15,all.sub,,,,

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5	Chlorodifluorometh	5.000	4.689	93.77	60-140
6	Propene	5.000	4.339	86.78	60-140
7	Dichlorodifluorome	5.000	5.033	100.67	60-140
8	Chloromethane	5.000	4.647	92.95	60-140
9	1,2-Dichlorotetraf	5.000	5.824	116.49	60-140
10	Methanol	5.000	4.103	82.05	60-140
11	~ acetaldehyde	25.00	23.93	95.72	70-130
12	Vinyl Chloride	5.000	5.939	118.78	70-130
13	n-Butane	5.000	5.530	110.60	60-140
14	1,3-Butadiene	5.000	5.398	107.97	60-140
15	Bromomethane	5.000	6.038	120.77	70-130
16	Chloroethane	5.000	5.736	114.72	70-130
17	~ ethanol	25.00	16.87	67.49*	70-130
18	Vinyl Bromide	5.000	5.676	113.52	60-140
19	2-methyl butane	5.000	5.871	117.43	70-130
20	Trichlorofluoromet	5.000	5.926	118.53	60-140
21	Acrolein	5.000	5.324	106.47	60-140
22	Acetonitrile	5.000	4.765	95.29	60-140
23	Acetone	5.000	4.484	89.67	60-140
25	Pentane	5.000	5.839	116.77	70-130
24	Isopropyl alcohol	5.000	3.957	79.15	60-140
26	Ethyl Ether	5.000	4.094	81.88	60-140
27	1,1-Dichloroethene	5.000	4.121	82.42	70-130
28	tert-butanol	5.000	3.544	70.88	60-140
29	Acrylonitrile	5.000	3.663	73.27	60-140
30	1,1,2-Trichlorotri	5.000	4.229	84.58	70-130
31	Methylene Chloride	5.000	3.934	78.67	70-130
32	3-Chloropropene	5.000	3.709	74.18	60-140
33	Carbon Disulfide	5.000	4.558	91.16	70-130
34	trans-1,2-Dichloro	5.000	4.626	92.53	70-130
35	~ 2-Methyl Pentane	5.000	4.100	82.01	70-130
36	Methyl-t-Butyl Eth	5.000	3.863	77.26	60-140
37	1,1-Dichloroethane	5.000	3.901	78.02	70-130

Data File: /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

	SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
	38	Vinyl Acetate	5.000	3.321	66.42	60-140
	39	2-Butanone	5.000	3.119	62.39	60-140
	40	Hexane	5.000	4.135	82.69	70-130
	41	cis 1,2-Dichloroet	5.000	4.090	81.80	70-130
	42	Ethyl acetate	5.000	3.227	64.54	60-140
	43	Chloroform	5.000	4.296	85.91	70-130
	44	Tetrahydrofuran	5.000	3.207	64.15	60-140
	45	1,1,1-Trichloroeth	5.000	4.539	90.78	70-130
	46	1,2-Dichloroethane	5.000	4.926	98.52	70-130
	47	1-Butanol	5.000	3.133	62.66	60-140
	48	Benzene	5.000	4.558	91.16	70-130
	49	Cyclohexane	5.000	4.921	98.43	70-130
	50	Carbon Tetrachlori	5.000	5.399	107.98	70-130
	51	~ 2,3-dimethylpent	5.000	4.947	98.94	70-130
	52	~ Thiophene	5.000	5.072	101.44	70-130
	53	2,2,4-trimethylpen	5.000	4.743	94.86	70-130
	54	Heptane	5.000	4.898	97.96	70-130
	55	1,2-Dichloropropan	5.000	4.412	88.25	70-130
	56	Trichloroethene	5.000	5.589	111.78	70-130
	57	Dibromomethane	5.000	5.242	104.84	70-130
	58	Bromodichlorometha	5.000	5.356	107.11	70-130
	59	1,4-dioxane	5.000	3.137	62.75	60-140
	60	Methyl Methacrylat	5.000	3.762	75.24	60-140
	61	~ methyl cyclohexa	5.000	5.096	101.92	70-130
	62	4-Methyl-2-pentano	5.000	4.022	80.44	60-140
	63	cis-1,3-Dichloropr	5.000	4.926	98.52	70-130
	64	trans-1,3-Dichloro	5.000	4.718	94.36	70-130
	65	Toluene	5.000	4.635	92.70	70-130
	66	1,1,2-Trichloroeth	5.000	4.818	96.35	70-130
	67	~ 2-methyl thiophe	5.000	4.931	98.62	70-130
	68	~ 3-methyl thiophe	5.000	4.850	97.00	70-130
	69	2-Hexanone	5.000	4.116	82.32	60-140
	70	Octane	5.000	4.978	99.57	70-130
	71	Dibromochlorometha	5.000	5.488	109.76	70-130
	72	1,2-Dibromoethane	5.000	4.929	98.58	70-130
	73	Tetrachloroethene	5.000	5.310	106.20	70-130
	74	Chlorobenzene	5.000	5.022	100.44	70-130
	75	~ 2,3-dimethylhept	5.000	4.651	93.01	70-130
	76	Ethylbenzene	5.000	4.654	93.07	70-130
	77	~ 2-ethyl thiophen	5.000	4.819	96.38	70-130
	78	m&p-Xylene	10.00	9.461	94.61	70-130
M	83	Xylene (total)	15.00	14.24	94.94	70-130
	79	Nonane	5.000	4.634	92.67	60-140
	80	Bromoform	5.000	5.540	110.80	60-140
	81	Styrene	5.000	4.765	95.30	70-130
	82	o-Xylene	5.000	4.780	95.61	70-130
	84	1,1,2,2-Tetrachlor	5.000	4.497	89.95	70-130

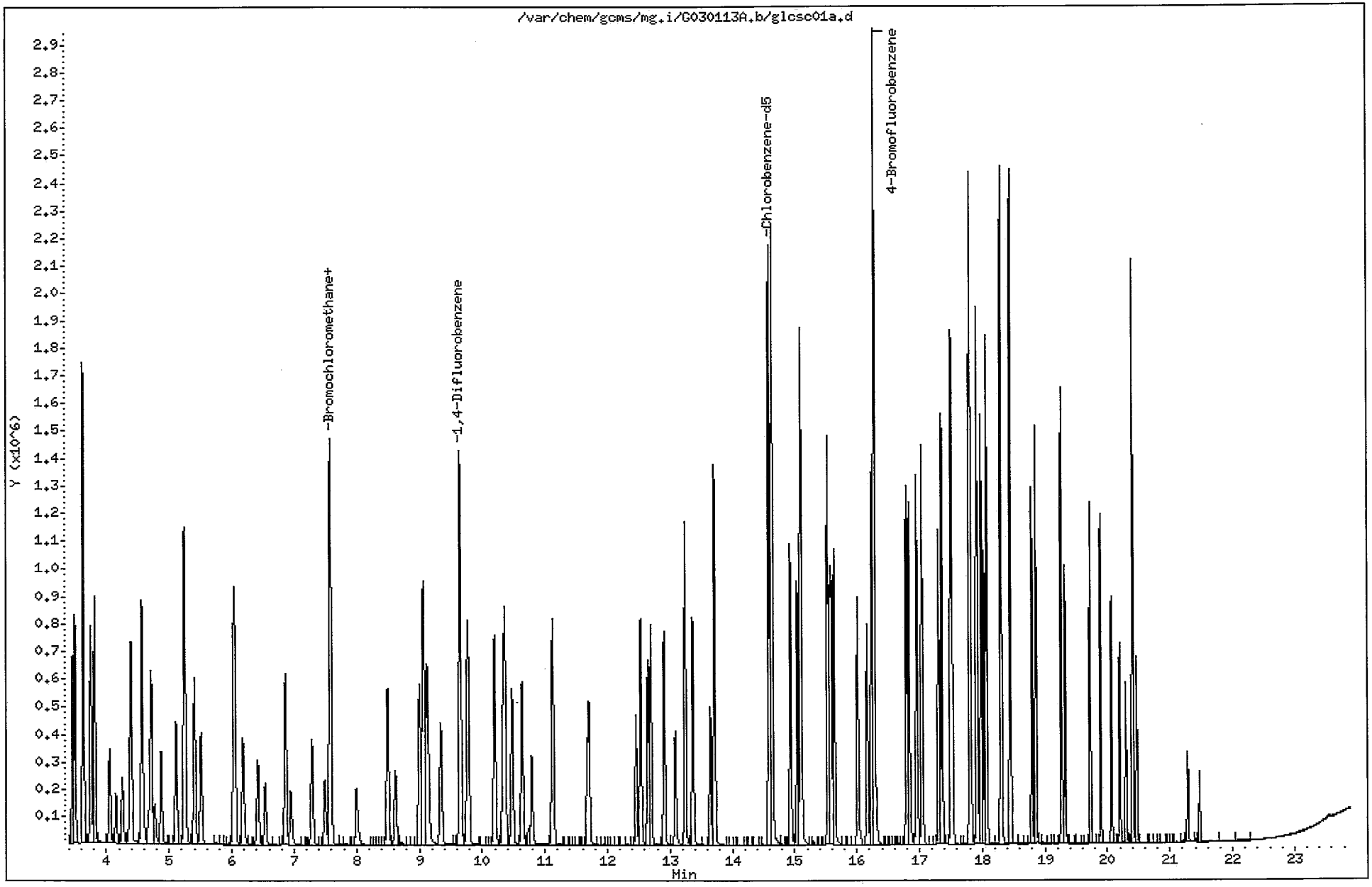
Data File: /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Report Date: 02-Mar-2013 12:43

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
85 1,2,3-Trichloropro	5.000	4.821	96.43	60-140
86 Cumene	5.000	4.784	95.69	70-130
87 n-Propylbenzene	5.000	4.648	92.97	70-130
88 2-chlorotoluene	5.000	5.007	100.14	70-130
89 4-Ethyltoluene	5.000	4.489	89.79	70-130
90 1,3,5-Trimethylben	5.000	4.493	89.86	70-130
91 Alpha-Methylstyren	5.000	4.595	91.90	60-140
92 Decane	5.000	4.570	91.40	60-140
93 tert-butylbenzene	5.000	4.579	91.57	70-130
94 1,2,4-Trimethylben	5.000	4.629	92.59	70-130
95 sec-butylbenzene	5.000	4.563	91.27	70-130
96 1,3-Dichlorobenzen	5.000	4.871	97.43	70-130
97 Benzyl Chloride	5.000	4.722	94.45	70-130
98 1,4-Dichlorobenzen	5.000	4.787	95.74	70-130
99 p-Cymene	5.000	4.598	91.97	70-130
100 ~ 1,2,3- Trimethyl	5.000	4.543	90.86	70-130
101 ~ n-butylcyclohexa	5.000	4.675	93.51	70-130
102 ~ Indane	5.000	4.726	94.53	70-130
103 1,2-Dichlorobenzen	5.000	4.784	95.68	70-130
104 n-butylbenzene	5.000	4.328	86.56	60-140
105 ~ Indene	5.000	4.512	90.25	70-130
106 Undecane	5.000	3.580	71.60	60-140
107 ~ 1,2-dimethyl-4-e	5.000	4.154	83.08	70-130
108 ~ 1,2,4,5-tetramet	5.000	4.140	82.80	70-130
109 ~ 1,2,3,5-tetramet	5.000	4.157	83.13	70-130
110 ~ 1,2,3,4-tetramet	5.000	4.090	81.79	70-130
111 Dodecane	5.000	3.543	70.87	60-140
112 1,2,4-Trichloroben	5.000	3.214	64.29	60-140
113 Napthalene	5.000	3.084	61.69	40-140
114 ~ benzo(b) thiophe	5.000	3.727	74.54	70-130
115 Hexachlorobutadien	5.000	3.797	75.95	60-140
116 1,2,3-trichloroben	5.000	2.885	57.70	40-140
117 ~ 2-Methylnaphthal	31.25	21.78	69.68*	70-130
118 ~ 1-Methylnaphthal	31.25	21.71	69.47*	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	10.00	10.16	101.61	70-130

Data File: /var/chem/gcms/mg.i/G030113A.b/glcsc01a.d
Date : 01-MAR-2013 11:32
Client ID: CCV/LCS
Sample Info: MX8861AC,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

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



New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H3C040000 - 014B	**Work Order #**	MX9EA1AA	**Matrix.....:**	AIR
	02/26/2013	**Date Received..:**	02/28/2013		
Prep Date.....:	03/02/2013	**Analysis Date...**	03/02/2013		
Prep Batch #.....:	3063014				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C040000 - 014B **Work Order #** MX9EA1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	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/mg.i/G030213.b/gblkc02.d
Report Date: 04-Mar-2013 09:13

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030213.b/gblkc02.d
Lab Smp Id: MX9EA1AA Client Smp ID: CAN 1356N
Inj Date : 02-MAR-2013 14:07
Operator : 403648 Inst ID: mg.i
Smp Info : MX9EA1AA,,3,,,CAN 1356N
Misc Info : G030113,TO15,blkchklowny.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030213.b/TO15.m
Meth Date : 02-Mar-2013 16:23 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 18 QC Sample: 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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	394563	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.651	9.651	(1.000)	1605080	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1393357	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	900728	3.64593	3.646

Data File: /var/chem/gcms/mg.i/G030213.b/gblkc02.d
Report Date: 04-Mar-2013 09:13

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkc02.d
Lab Smp Id: MX9EA1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030113,TO15,blkchklowny.sub,,,,

Calibration Date: 02-MAR-2013
Calibration Time: 13:15
Client Smp ID: CAN 1356N
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	347074	206509	487639	394563	13.68
2 1,4-Difluorobenze	1570764	934605	2206923	1605080	2.18
3 Chlorobenzene-d5	1425721	848304	2003138	1393357	-2.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	0.00
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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/mg.i/G030213.b/gblkc02.d
Report Date: 04-Mar-2013 09:13

TestAmerica Knoxville

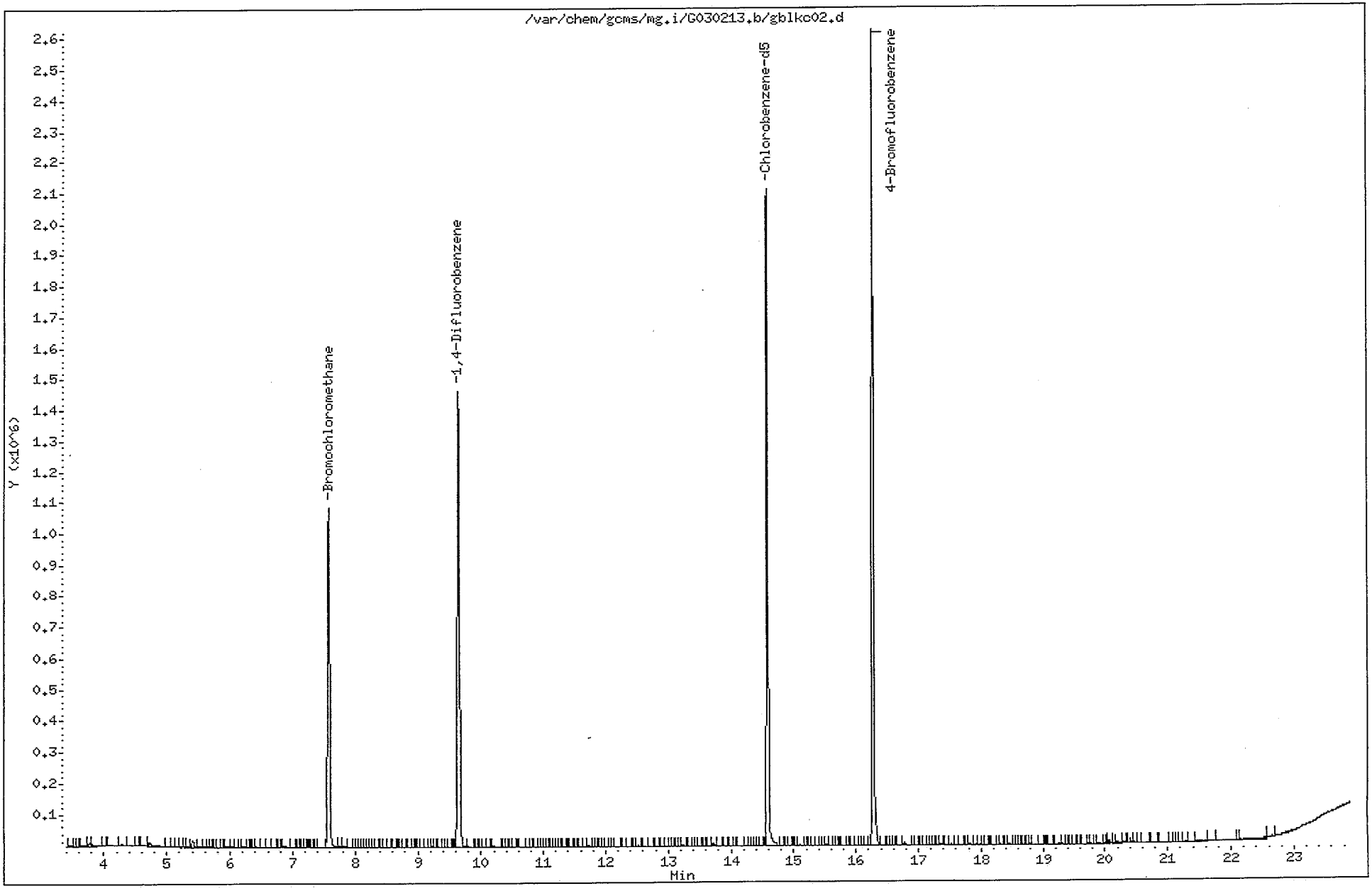
RECOVERY REPORT

Client Name:
Client SDG: G030113
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MX9EA1AA
Client Smp ID: CAN 1356N
Level: LOW
Operator: 403648
Data Type: MS DATA
SampleType: BLANK
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030113,TO15,blkchklowny.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.646	91.15	60-140

Data File: /var/chem/gcms/mg.i/G030213.b/gblkc02.d
Date : 02-MAR-2013 14:07
Client ID: CAN 1356N
Sample Info: MX9EA1AA,,3,,,CAN 1356N
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C040000 - 014C **Work Order #** MX9EA1AC **Matrix.....:** AIR

	02/26/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/02/2013	**Analysis Date...**	03/02/2013
Prep Batch #.....:	3063014		
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
1,1,1-Trichloroethane	5.00	4.84	27	26.4	97	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.62	34	31.7	92	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.60	38	35.3	92	70 - 130
1,1,2-Trichloroethane	5.00	4.72	27	25.8	94	70 - 130
1,1-Dichloroethane	5.00	4.25	20	17.2	85	70 - 130
1,1-Dichloroethene	5.00	4.46	20	17.7	89	70 - 130
1,2,4-Trichlorobenzene	5.00	3.47	37	25.8	69	60 - 140
1,2,4-Trimethylbenzene	5.00	4.89	25	24.0	98	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.69	38	36.1	94	70 - 130
1,2-Dichlorobenzene	5.00	4.97	30	29.9	99	70 - 130
1,2-Dichloroethane	5.00	4.55	20	18.4	91	70 - 130
1,2-Dichloropropane	5.00	4.27	23	19.7	85	70 - 130
1,3,5-Trimethylbenzene	5.00	4.69	25	23.0	94	70 - 130
1,4-Dichlorobenzene	5.00	4.81	30	28.9	96	70 - 130
1,4-Dioxane	5.00	3.35	18	12.1	67	60 - 140
2-Butanone (MEK)	5.00	3.77	15	11.1	75	60 - 140
1,3-Dichlorobenzene	5.00	4.97	30	29.9	99	70 - 130
2,2,4-Trimethylpentane	5.00	4.58	23	21.4	92	70 - 130
Benzene	5.00	4.44	16	14.2	89	70 - 130
Benzyl chloride	5.00	4.96	26	25.7	99	70 - 130
Bromodichloromethane	5.00	5.09	34	34.1	102	70 - 130
Bromoform	5.00	5.47	52	56.6	109	60 - 140
Bromomethane	5.00	6.31	19	24.5	126	70 - 130
Carbon tetrachloride	5.00	4.95	31	31.1	99	70 - 130
Chlorobenzene	5.00	4.82	23	22.2	96	70 - 130
Chloroethane	5.00	6.04	13	15.9	121	70 - 130
Chloroform	5.00	4.67	24	22.8	93	70 - 130
Cyclohexane	5.00	4.74	17	16.3	95	70 - 130
Chloromethane	5.00	5.30	10	10.9	106	60 - 140
cis-1,2-Dichloroethene	5.00	4.47	20	17.7	89	70 - 130
cis-1,3-Dichloropropene	5.00	4.80	23	21.8	96	70 - 130
Dibromochloromethane	5.00	5.30	43	45.1	106	70 - 130
Dichlorodifluoromethane	5.00	5.29	25	26.1	106	60 - 140
Ethanol	25.0	20.2	47	38.1	81	20 - 180
Ethylbenzene	5.00	4.63	22	20.1	93	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.93	35	41.5	119	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C040000 - 014C **Work Order #** MX9EA1AC **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
n-Hexane	5.00	4.54	18	16.0	91	70 - 130
Hexachlorobutadiene	5.00	4.18	53	44.6	84	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	3.84	20	15.7	77	60 - 140
Methyl tert-butyl ether	5.00	4.39	18	15.8	88	60 - 140
Methylene chloride	5.00	4.39	17	15.2	88	70 - 130
Styrene	5.00	4.89	21	20.8	98	70 - 130
tert-Butyl alcohol	5.00	3.79	15	11.5	76	60 - 140
Tetrachloroethene	5.00	5.05	34	34.3	101	70 - 130
Toluene	5.00	4.54	19	17.1	91	70 - 130
m-Xylene & p-Xylene	10.0	9.51	43	41.3	95	70 - 130
o-Xylene	5.00	4.89	22	21.2	98	70 - 130
trans-1,2-Dichloroethene	5.00	5.06	20	20.1	101	70 - 130
trans-1,3-Dichloropropene	5.00	4.52	23	20.5	90	70 - 130
Trichloroethene	5.00	5.24	27	28.1	105	70 - 130
Trichlorofluoromethane	5.00	6.23	28	35.0	125	60 - 140
Vinyl chloride	5.00	6.25	13	16.0	125	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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/mg.i/G030213.b/glcsc02.d
Report Date: 04-Mar-2013 09:13

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030213.b/glcsc02.d
Lab Smp Id: MX9EA1AC Client Smp ID: CCV/LCS
Inj Date : 02-MAR-2013 13:15
Operator : 403648 Inst ID: mg.i
Smp Info : MX9EA1AC,,3,6,,CCV/LCS
Misc Info : G030213,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030213.b/TO15.m
Meth Date : 02-Mar-2013 16:23 barlozha Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 15 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	347074	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.651	9.651	(1.000)	1570764	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.591	14.591	(1.000)	1425721	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.284	16.284	(1.116)	1034141	4.09093	10.23
M	83 Xylene (total)	100				2096219	5.76152	14.40
	5 Chlorodifluoromethane	67	3.450	3.450	(0.455)	58379	1.88225	4.706
	6 Propene	41	3.456	3.456	(0.456)	174871	1.79421	4.486
	7 Dichlorodifluoromethane	85	3.493	3.493	(0.461)	658688	2.11464	5.286
	8 Chloromethane	52	3.628	3.628	(0.479)	68483	2.11927	5.298
	9 1,2-Dichlorotetrafluoroethane	135	3.634	3.634	(0.479)	543839	2.37336	5.933
	10 Methanol	31	3.741	3.741	(0.494)	38170	1.94500	4.862
	11 ~ acetaldehyde	44	3.747	3.747	(0.494)	330220	10.6441	26.61
	12 Vinyl Chloride	62	3.752	3.752	(0.495)	229788	2.49891	6.247
	13 n-Butane	43	3.812	3.812	(0.503)	355862	2.35308	5.883
	14 1,3-Butadiene	54	3.817	3.817	(0.503)	172476	2.28878	5.722

Data File: /var/chem/gcms/mg.i/G030213.b/glcsc02.d
Report Date: 04-Mar-2013 09:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
15 Bromomethane	94	4.054	4.054	(0.535)	219319	2.52320	6.308
16 Chloroethane	64	4.151	4.151	(0.548)	99063	2.41452	6.036
17 ~ ethanol	31	4.254	4.254	(0.561)	225533	8.09484	20.24
18 Vinyl Bromide	106	4.372	4.372	(0.577)	212430	2.36019	5.900
19 2-methyl butane	43	4.394	4.394	(0.580)	231131	2.46896	6.172
20 Trichlorofluoromethane	101	4.566	4.566	(0.602)	712914	2.49324	6.233
21 Acrolein	56	4.604	4.604	(0.607)	51841	2.40209	6.005
22 Acetonitrile	40	4.669	4.669	(0.616)	64578	2.23054	5.576
25 Pentane	72	4.717	4.717	(0.622)	35515	2.46759	6.169
23 Acetone	58	4.701	4.701	(0.620)	64578	2.07712	5.193
24 Isopropyl alcohol	45	4.771	4.771	(0.629)	172074	1.81640	4.541
26 Ethyl Ether	31	4.874	4.874	(0.643)	179479	1.87301	4.682
27 1,1-Dichloroethene	96	5.111	5.111	(0.674)	188180	1.78399	4.460
29 Acrylonitrile	53	5.235	5.235	(0.691)	126200	1.75058	4.376
30 1,1,2-Trichlorotrifluoroethane	101	5.246	5.246	(0.692)	403701	1.84191	4.605
28 tert-butanol	59	5.235	5.235	(0.691)	228070	1.51773	3.794
31 Methylene Chloride	84	5.408	5.408	(0.713)	162444	1.75605	4.390
32 3-Chloropropene	39	5.408	5.408	(0.713)	137807	1.57868	3.947
33 Carbon Disulfide	76	5.510	5.510	(0.727)	593752	1.99508	4.988
35 ~ 2-Methyl Pentane	43	6.033	6.033	(0.796)	474768	1.78202	4.455
34 trans-1,2-Dichloroethene	96	6.055	6.055	(0.799)	225323	2.02436	5.061
36 Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	428901	1.75669	4.392
37 1,1-Dichloroethane	63	6.421	6.421	(0.847)	328742	1.70129	4.253
38 Vinyl Acetate	43	6.535	6.535	(0.862)	393837	1.55420	3.885
39 2-Butanone	72	6.944	6.944	(0.916)	67571	1.50746	3.769
40 Hexane	56	6.864	6.864	(0.905)	168202	1.81632	4.541
41 cis 1,2-Dichloroethene	96	7.295	7.295	(0.962)	204495	1.78934	4.473
42 Ethyl acetate	43	7.495	7.495	(0.989)	335314	1.56105	3.903
43 Chloroform	83	7.592	7.592	(1.001)	409835	1.86884	4.672
44 Tetrahydrofuran	42	7.996	7.996	(1.055)	178976	1.49001	3.725
45 1,1,1-Trichloroethane	97	8.492	8.492	(1.120)	451596	1.93761	4.844
46 1,2-Dichloroethane	62	8.622	8.622	(0.893)	265214	1.82066	4.552
49 Cyclohexane	69	9.010	9.010	(0.934)	93634	1.89516	4.738
48 Benzene	78	9.064	9.064	(0.939)	534189	1.77567	4.439
50 Carbon Tetrachloride	117	9.074	9.074	(0.940)	410236	1.97993	4.950
51 ~ 2,3-dimethylpentane	71	9.128	9.128	(0.946)	125061	1.91722	4.793
47 1-Butanol	31	9.150	9.150	(0.948)	37404	1.20390	3.010
52 ~ Thiophene	84	9.339	9.339	(0.968)	353038	1.95220	4.880
53 2,2,4-trimethylpentane	57	9.770	9.770	(1.012)	954943	1.82985	4.575
54 Heptane	71	10.196	10.196	(1.056)	202601	1.90313	4.758
55 1,2-Dichloropropane	63	10.325	10.325	(1.070)	189459	1.70701	4.268
56 Trichloroethene	130	10.363	10.363	(1.074)	345113	2.09387	5.235
180 ~ 2-nitropropane	43	10.730	10.730	(1.112)	11924		
57 Dibromomethane	93	10.476	10.476	(1.085)	249537	2.01231	5.031
58 Bromodichloromethane	83	10.633	10.633	(1.102)	443085	2.03615	5.090
60 Methyl Methacrylate	41	10.789	10.789	(1.118)	203149	1.60041	4.001
59 1,4-dioxane	88	10.735	10.735	(1.112)	42351	1.34127	3.353

Data File: /var/chem/gcms/mg.i/G030213.b/glcsc02.d
Report Date: 04-Mar-2013 09:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
61 ~ methyl cyclohexane	83	11.118	11.118	(1.152)	373093	1.95904	4.898
63 cis-1,3-Dichloropropene	75	11.706	11.706	(1.213)	284150	1.91997	4.800
62 4-Methyl-2-pentanone	43	11.674	11.674	(1.210)	297081	1.53410	3.835
64 trans-1,3-Dichloropropene	75	12.455	12.455	(0.854)	265848	1.80726	4.518
65 Toluene	91	12.531	12.531	(0.859)	685598	1.81521	4.538
66 1,1,2-Trichloroethane	83	12.650	12.650	(0.867)	197803	1.88869	4.722
67 ~ 2-methyl thiophene	97	12.698	12.698	(0.870)	606746	1.86883	4.672
68 ~ 3-methyl thiophene	97	12.908	12.908	(0.885)	608864	1.90418	4.760
69 2-Hexanone	58	13.086	13.086	(0.897)	146974	1.54163	3.854
70 Octane	85	13.243	13.243	(0.908)	236030	1.92192	4.805
71 Dibromochloromethane	129	13.361	13.361	(0.916)	485094	2.11961	5.299
72 1,2-Dibromoethane	107	13.642	13.642	(0.935)	368125	1.87724	4.693
73 Tetrachloroethene	129	13.712	13.712	(0.940)	299505	2.02178	5.054
75 ~ 2,3-dimethylheptane	43	14.639	14.639	(1.003)	651470	1.79527	4.488
74 Chlorobenzene	112	14.639	14.639	(1.003)	586340	1.92875	4.822
76 Ethylbenzene	91	14.931	14.931	(1.023)	863172	1.85125	4.628
77 ~ 2-ethyl thiophene	97	15.044	15.044	(1.031)	674826	1.92182	4.804
78 m&p-Xylene	91	15.103	15.103	(1.035)	1376513	3.80543	9.514
79 Nonane	57	15.529	15.529	(1.064)	428272	1.81121	4.528
80 Bromoform	173	15.562	15.562	(1.067)	463593	2.18931	5.473
81 Styrene	104	15.588	15.588	(1.068)	515252	1.95654	4.891
82 o-Xylene	91	15.637	15.637	(1.072)	719706	1.95609	4.890
84 1,1,2,2-Tetrachloroethane	83	16.014	16.014	(1.098)	480794	1.84682	4.617
85 1,2,3-Trichloropropane	110	16.165	16.165	(1.108)	157121	1.94320	4.858
86 Cumene	105	16.241	16.241	(1.113)	1045420	1.97867	4.947
87 n-Propylbenzene	120	16.796	16.796	(1.151)	293098	1.93429	4.836
88 2-chlorotoluene	126	16.839	16.839	(1.154)	297921	2.00644	5.016
89 4-Ethyltoluene	105	16.958	16.958	(1.162)	996178	1.90677	4.767
90 1,3,5-Trimethylbenzene	120	17.039	17.039	(1.168)	487653	1.87548	4.689
91 Alpha-Methylstyrene	118	17.303	17.303	(1.186)	418464	1.91962	4.799
92 Decane	57	17.357	17.357	(1.190)	512582	1.84896	4.622
93 tert-butylbenzene	119	17.497	17.497	(1.199)	938821	1.93393	4.835
94 1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	824672	1.95486	4.887
95 sec-butylbenzene	105	17.799	17.799	(1.220)	1210975	1.93276	4.832
96 1,3-Dichlorobenzene	146	17.810	17.810	(1.221)	631490	1.98854	4.971
97 Benzyl Chloride	91	17.918	17.918	(1.228)	614705	1.98206	4.955
98 1,4-Dichlorobenzene	146	17.913	17.913	(1.228)	590506	1.92551	4.814
99 p-Cymene	119	17.983	17.983	(1.232)	1029128	1.98307	4.958
100 ~ 1,2,3- Trimethylbenzene	105	18.037	18.037	(1.236)	702058	1.96487	4.912
101 ~ n-butylcyclohexane	83	18.074	18.074	(1.239)	652481	1.86719	4.668
102 ~ Indane	117	18.295	18.295	(1.254)	809463	1.99353	4.984
103 1,2-Dichlorobenzene	146	18.306	18.306	(1.255)	601535	1.98822	4.970
104 n-butylbenzene	91	18.452	18.452	(1.265)	855906	1.86271	4.657
105 ~ Indene	116	18.441	18.441	(1.264)	768392	1.90476	4.762
106 Undecane	57	18.792	18.792	(1.288)	426556	1.70788	4.270
107 ~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.856	(1.292)	923279	1.84504	4.612
108 ~ 1,2,4,5-tetramethylbenzene	119	19.261	19.261	(1.320)	883901	1.83854	4.596

Data File: /var/chem/gcms/mg.i/G030213.b/glcsc02.d
Report Date: 04-Mar-2013 09:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	19.315	19.315	(1.324)	557778	1.84382	4.610
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.724	(1.352)	649575	1.77970	4.449
111 Dodecane	57	19.892	19.892	(1.363)	284898	1.35027	3.376
112 1,2,4-Trichlorobenzene	180	20.070	20.070	(1.375)	280452	1.38862	3.472
113 Napthalene	128	20.199	20.199	(1.384)	561209	1.35023	3.376
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.391)	448232	1.62549	4.064
115 Hexachlorobutadiene	225	20.409	20.409	(1.399)	420536	1.67101	4.178
116 1,2,3-trichlorobenzene	180	20.474	20.474	(1.403)	222183	1.31929	3.298
117 ~ 2-Methylnaphthalene	142	21.283	21.283	(1.459)	201011	11.3692	28.42
118 ~ 1-Methylnaphthalene	142	21.477	21.477	(1.472)	147668	11.9222	29.80

Data File: /var/chem/gcms/mg.i/G030213.b/gccvc02.d
Report Date: 02-Mar-2013 15:21

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gccvc02.d
Lab Smp Id: CCV
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,all.sub,,,,

Calibration Date: 02-MAR-2013
Calibration Time: 13:15
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	347074	206509	487639	347074	0.00
2 1,4-Difluorobenze	1570764	934605	2206923	1570764	0.00
3 Chlorobenzene-d5	1425721	848304	2003138	1425721	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	0.00
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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/mg.i/G030213.b/glcsc02.d
Report Date: 04-Mar-2013 09:13

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G030213
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MX9EA1AC
Client Smp ID: CCV/LCS
Level: LOW
Operator: 403648
Data Type: MS DATA
SampleType: LCS
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/gcms/mg.i/G030213.b/TO15.m
Misc Info: G030213,TO15,all.sub,,,,

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5 Chlorodifluorometh	5.000	4.706	94.11	60-140
6 Propene	5.000	4.486	89.71	60-140
7 Dichlorodifluorome	5.000	5.286	105.73	60-140
8 Chloromethane	5.000	5.298	105.96	60-140
9 1,2-Dichlorotetraf	5.000	5.933	118.67	60-140
10 Methanol	5.000	4.862	97.25	60-140
11 ~ acetaldehyde	25.00	26.61	106.44	70-130
12 Vinyl Chloride	5.000	6.247	124.95	70-130
13 n-Butane	5.000	5.883	117.65	60-140
14 1,3-Butadiene	5.000	5.722	114.44	60-140
15 Bromomethane	5.000	6.308	126.16	70-130
16 Chloroethane	5.000	6.036	120.73	70-130
17 ~ ethanol	25.00	20.24	80.95	70-130
18 Vinyl Bromide	5.000	5.900	118.01	60-140
19 2-methyl butane	5.000	6.172	123.45	70-130
20 Trichlorofluoromet	5.000	6.233	124.66	60-140
21 Acrolein	5.000	6.005	120.10	60-140
22 Acetonitrile	5.000	5.576	111.53	60-140
23 Acetone	5.000	5.193	103.86	60-140
25 Pentane	5.000	6.169	123.38	70-130
24 Isopropyl alcohol	5.000	4.541	90.82	60-140
26 Ethyl Ether	5.000	4.682	93.65	60-140
27 1,1-Dichloroethene	5.000	4.460	89.20	70-130
28 tert-butanol	5.000	3.794	75.89	60-140
29 Acrylonitrile	5.000	4.376	87.53	60-140
30 1,1,2-Trichlorotri	5.000	4.605	92.10	70-130
31 Methylene Chloride	5.000	4.390	87.80	70-130
32 3-Chloropropene	5.000	3.947	78.93	60-140
33 Carbon Disulfide	5.000	4.988	99.75	70-130
34 trans-1,2-Dichloro	5.000	5.061	101.22	70-130
35 ~ 2-Methyl Pentane	5.000	4.455	89.10	70-130
36 Methyl-t-Butyl Eth	5.000	4.392	87.83	60-140
37 1,1-Dichloroethane	5.000	4.253	85.06	70-130

Data File: /var/chem/gcms/mg.i/G030213.b/glcsc02.d
Report Date: 04-Mar-2013 09:13

	SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
	38	Vinyl Acetate	5.000	3.885	77.71	60-140
	39	2-Butanone	5.000	3.769	75.37	60-140
	40	Hexane	5.000	4.541	90.82	70-130
	41	cis 1,2-Dichloroet	5.000	4.473	89.47	70-130
	42	Ethyl acetate	5.000	3.903	78.05	60-140
	43	Chloroform	5.000	4.672	93.44	70-130
	44	Tetrahydrofuran	5.000	3.725	74.50	60-140
	45	1,1,1-Trichloroeth	5.000	4.844	96.88	70-130
	46	1,2-Dichloroethane	5.000	4.552	91.03	70-130
	47	1-Butanol	5.000	3.010	60.20	60-140
	48	Benzene	5.000	4.439	88.78	70-130
	49	Cyclohexane	5.000	4.738	94.76	70-130
	50	Carbon Tetrachlori	5.000	4.950	99.00	70-130
	51	~ 2,3-dimethylpent	5.000	4.793	95.86	70-130
	52	~ Thiophene	5.000	4.880	97.61	70-130
	53	2,2,4-trimethylpen	5.000	4.575	91.49	70-130
	54	Heptane	5.000	4.758	95.16	70-130
	55	1,2-Dichloropropan	5.000	4.268	85.35	70-130
	56	Trichloroethene	5.000	5.235	104.69	70-130
	57	Dibromomethane	5.000	5.031	100.62	70-130
	58	Bromodichlorometha	5.000	5.090	101.81	70-130
	59	1,4-dioxane	5.000	3.353	67.06	60-140
	60	Methyl Methacrylat	5.000	4.001	80.02	60-140
	61	~ methyl cyclohexa	5.000	4.898	97.95	70-130
	62	4-Methyl-2-pentano	5.000	3.835	76.70	60-140
	63	cis-1,3-Dichloropr	5.000	4.800	96.00	70-130
	64	trans-1,3-Dichloro	5.000	4.518	90.36	70-130
	65	Toluene	5.000	4.538	90.76	70-130
	66	1,1,2-Trichloroeth	5.000	4.722	94.43	70-130
	67	~ 2-methyl thiophe	5.000	4.672	93.44	70-130
	68	~ 3-methyl thiophe	5.000	4.760	95.21	70-130
	69	2-Hexanone	5.000	3.854	77.08	60-140
	70	Octane	5.000	4.805	96.10	70-130
	71	Dibromochlorometha	5.000	5.299	105.98	70-130
	72	1,2-Dibromoethane	5.000	4.693	93.86	70-130
	73	Tetrachloroethene	5.000	5.054	101.09	70-130
	74	Chlorobenzene	5.000	4.822	96.44	70-130
	75	~ 2,3-dimethylhept	5.000	4.488	89.76	70-130
	76	Ethylbenzene	5.000	4.628	92.56	70-130
	77	~ 2-ethyl thiophen	5.000	4.804	96.09	70-130
	78	m&p-Xylene	10.00	9.514	95.14	70-130
M	83	Xylene (total)	15.00	14.40	96.03	70-130
	79	Nonane	5.000	4.528	90.56	60-140
	80	Bromoform	5.000	5.473	109.47	60-140
	81	Styrene	5.000	4.891	97.83	70-130
	82	o-Xylene	5.000	4.890	97.80	70-130
	84	1,1,2,2-Tetrachlor	5.000	4.617	92.34	70-130

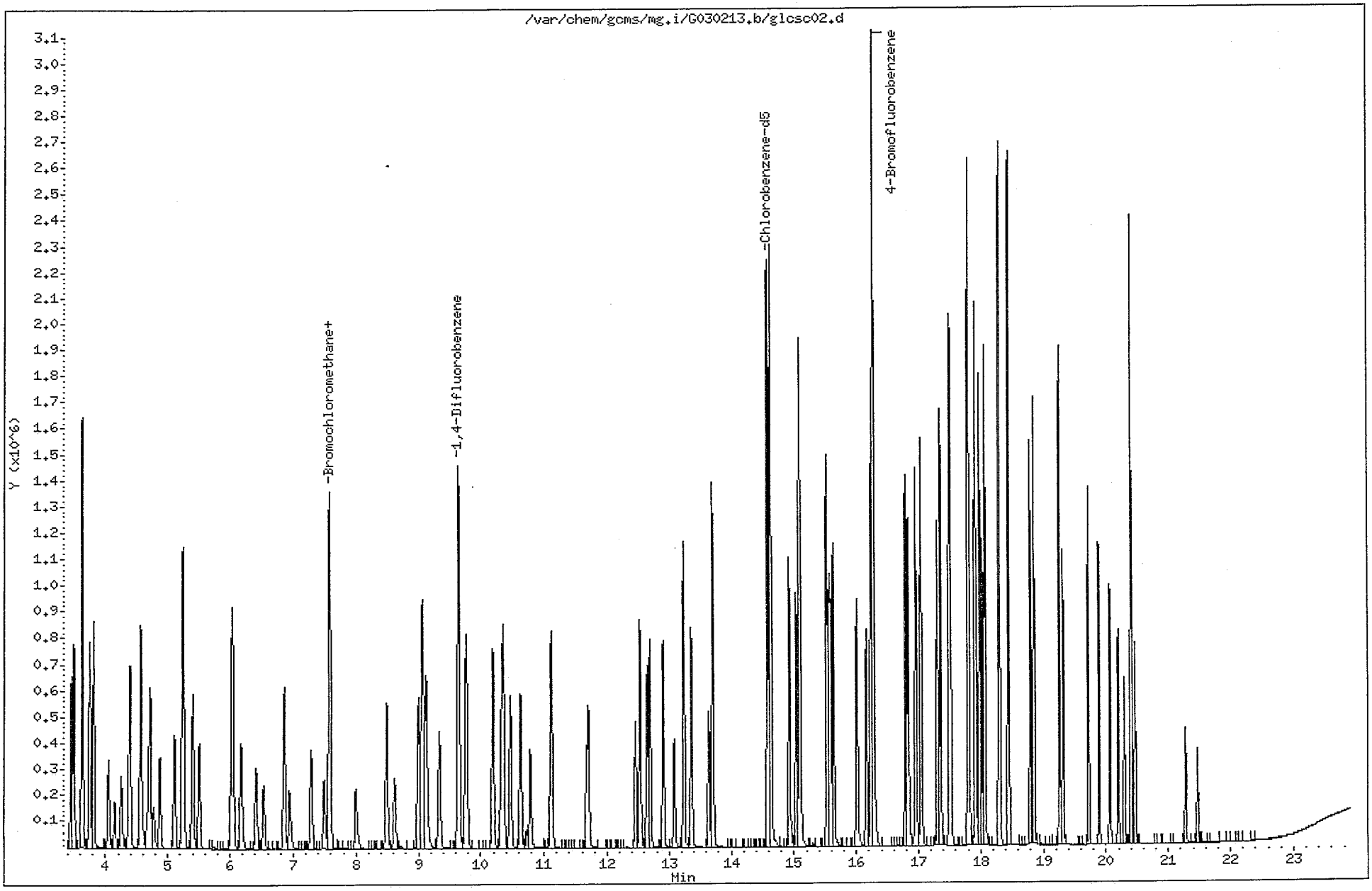
Data File: /var/chem/gcms/mg.i/G030213.b/glcsc02.d
Report Date: 04-Mar-2013 09:13

	SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
85	1,2,3-Trichloropro	5.000	4.858	97.16	60-140
86	Cumene	5.000	4.947	98.93	70-130
87	n-Propylbenzene	5.000	4.836	96.71	70-130
88	2-chlorotoluene	5.000	5.016	100.32	70-130
89	4-Ethyltoluene	5.000	4.767	95.34	70-130
90	1,3,5-Trimethylben	5.000	4.689	93.77	70-130
91	Alpha-Methylstyren	5.000	4.799	95.98	60-140
92	Decane	5.000	4.622	92.45	60-140
93	tert-butylbenzene	5.000	4.835	96.70	70-130
94	1,2,4-Trimethylben	5.000	4.887	97.74	70-130
95	sec-butylbenzene	5.000	4.832	96.64	70-130
96	1,3-Dichlorobenzen	5.000	4.971	99.43	70-130
97	Benzyl Chloride	5.000	4.955	99.10	70-130
98	1,4-Dichlorobenzen	5.000	4.814	96.28	70-130
99	p-Cymene	5.000	4.958	99.15	70-130
100	~ 1,2,3- Trimethyl	5.000	4.912	98.24	70-130
101	~ n-butylcyclohexa	5.000	4.668	93.36	70-130
102	~ Indane	5.000	4.984	99.68	70-130
103	1,2-Dichlorobenzen	5.000	4.970	99.41	70-130
104	n-butylbenzene	5.000	4.657	93.14	60-140
105	~ Indene	5.000	4.762	95.24	70-130
106	Undecane	5.000	4.270	85.39	60-140
107	~ 1,2-dimethyl-4-e	5.000	4.612	92.25	70-130
108	~ 1,2,4,5-tetramet	5.000	4.596	91.93	70-130
109	~ 1,2,3,5-tetramet	5.000	4.610	92.19	70-130
110	~ 1,2,3,4-tetramet	5.000	4.449	88.98	70-130
111	Dodecane	5.000	3.376	67.51	60-140
112	1,2,4-Trichloroben	5.000	3.472	69.43	60-140
113	Napthalene	5.000	3.376	67.51	40-140
114	~ benzo(b) thiophe	5.000	4.064	81.27	70-130
115	Hexachlorobutadien	5.000	4.178	83.55	60-140
116	1,2,3-trichloroben	5.000	3.298	65.96	40-140
117	~ 2-Methylnaphthal	31.25	28.42	90.95	70-130
118	~ 1-Methylnaphthal	31.25	29.80	95.38	70-130

	SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4	4-Bromofluorobenze	10.00	10.23	102.27	70-130

Data File: /var/chem/gcms/mg.i/G030213.b/glcsc02.d
Date : 02-MAR-2013 13:15
Client ID: CCV/LCS
Sample Info: MX9EA1AC,,3,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C040000 - 050B **Work Order #** MX9GJ1AA **Matrix.....:** AIR

	02/21/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/04/2013	**Analysis Date...**	03/04/2013
Prep Batch #.....:	3063050		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
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
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C040000 - 050B **Work Order #** MX9GJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	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/mg.i/G030413.b/gblkc04.d
Report Date: 04-Mar-2013 15:16

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030413.b/gblkc04.d
Lab Smp Id: MX9GJ1AA Client Smp ID: BLANK
Inj Date : 04-MAR-2013 11:03
Operator : 7126 Inst ID: mg.i
Smp Info : MX9GJ1AA,,3,,,BLANK
Misc Info : G030413,TO15,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030413.b/TO15.m
Meth Date : 04-Mar-2013 12:40 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 17 QC Sample: BLANK
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	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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.575	7.581	(1.000)	441877	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.646	9.651	(1.000)	2046197	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.586	14.585	(1.000)	1706340	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.279	16.279	(1.116)	1095787	3.62191	3.622
	13 n-Butane	43	3.812	3.812	(0.503)	5680	0.02950	0.02950
	24 Isopropyl Alcohol	45	4.804	4.771	(0.634)	1826	0.01514	0.01514
	31 Methylene Chloride	84	5.408	5.408	(0.714)	2627	0.02231	0.02230

3/4/13

Data File: /var/chem/gcms/mg.i/G030413.b/gblkc04.d
Report Date: 04-Mar-2013 15:16

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkc04.d
Lab Smp Id: MX9GJ1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G030413.b/TO15.m
Misc Info: G030413,TO15,1-all.sub,,,,

Calibration Date: 04-MAR-2013
Calibration Time: 09:11
Client Smp ID: BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	407153	242256	572050	441877	8.53
2 1,4-Difluorobenze	1848184	1099669	2596699	2046197	10.71
3 Chlorobenzene-d5	1600539	952321	2248757	1706340	6.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	-0.07
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	-0.05
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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/mg.i/G030413.b/gblkc04.d
Report Date: 04-Mar-2013 15:16

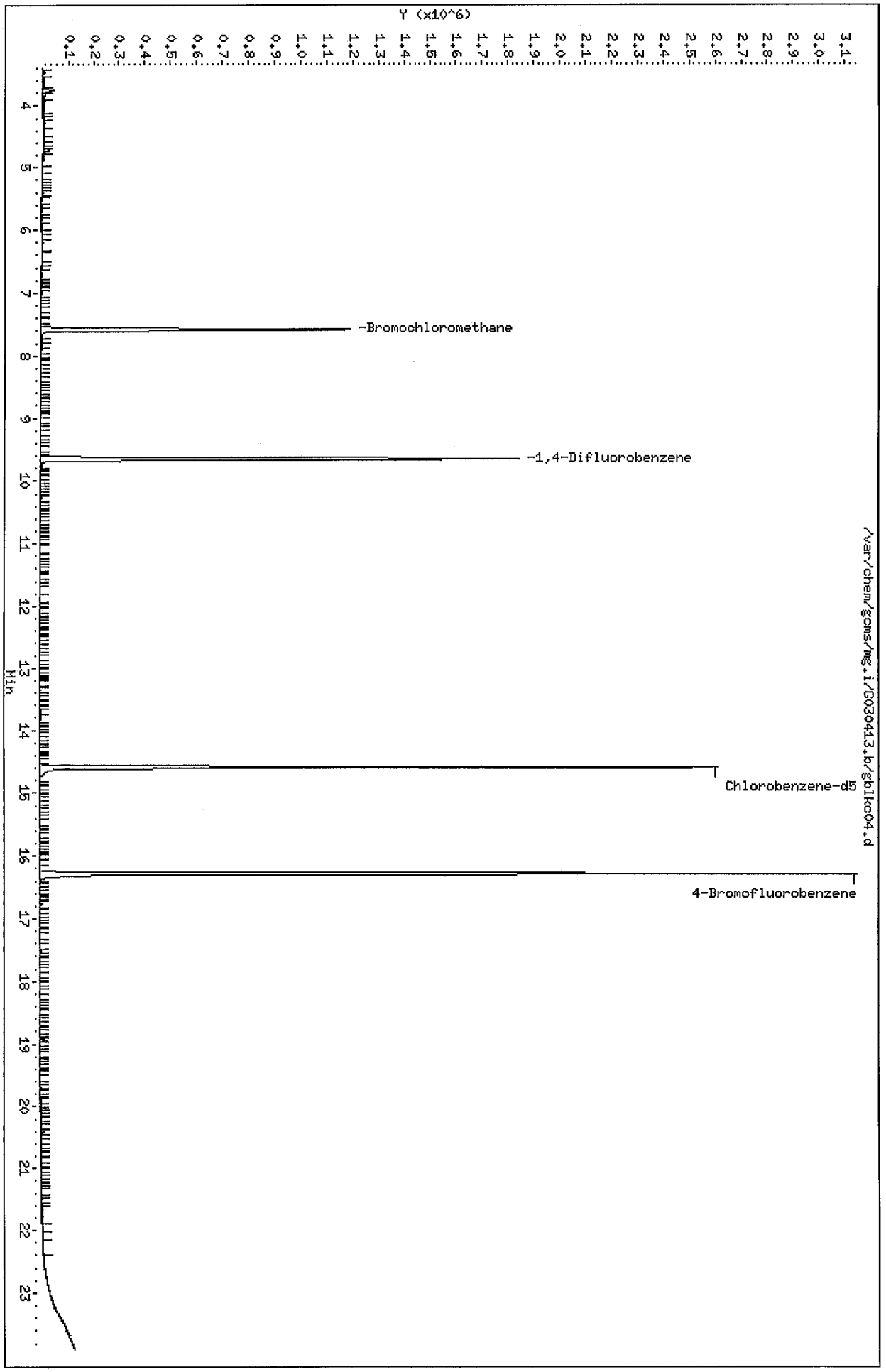
TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: MX9GJ1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allnew.spk
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G030413.b/TO15.m
Misc Info: G030413,TO15,1-all.sub,,,,

Client SDG: G030413
Fraction: OTHER
Client Smp ID: BLANK
Operator: 7126
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.622	90.55	70-130


Data File: /var/chem/gcms/mg.i/G030413.b/gblkc04.d
Date : 04-MAR-2013 11:03
Client ID: BLANK
Sample Info: MX9GJAA,,3,,,BLANK
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane
-1,4-Difluorobenzene
/var/chem/gcms/mg.i/G030413.b/gblkc04.d
Chlorobenzene-d5
4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G030413.b/gblko04.d

Date : 04-MAR-2013 11:03

Client ID: BLANK

Instrument: mg.i

Sample Info: MX9GJ1AA,,3,,,BLANK

Purge Volume: 500.0

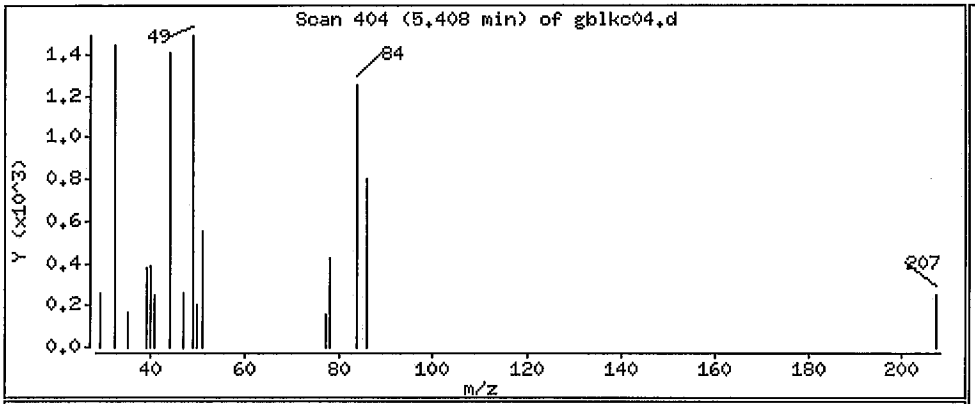
Operator: 7126

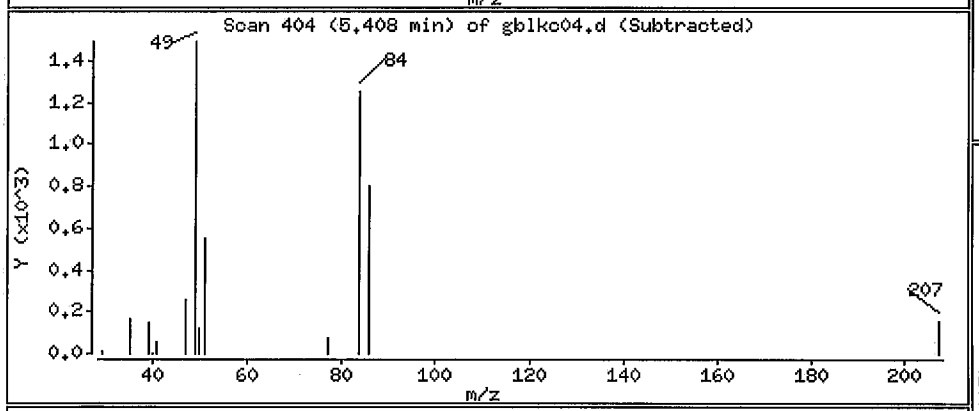
Column phase: Rtx-5

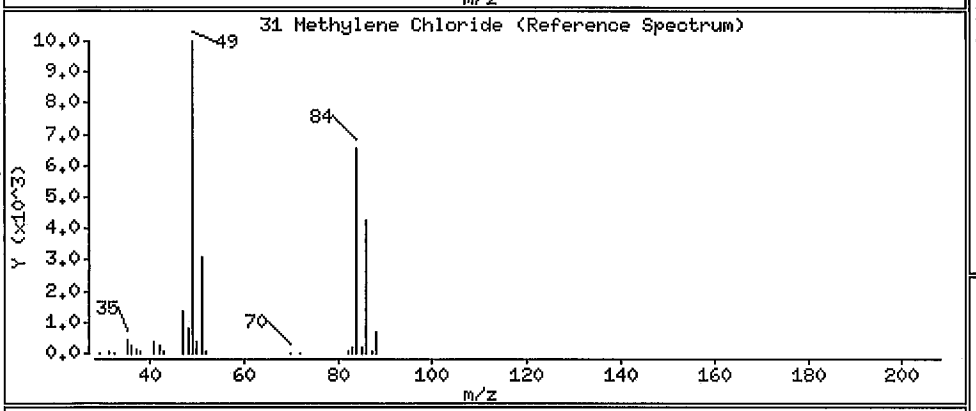
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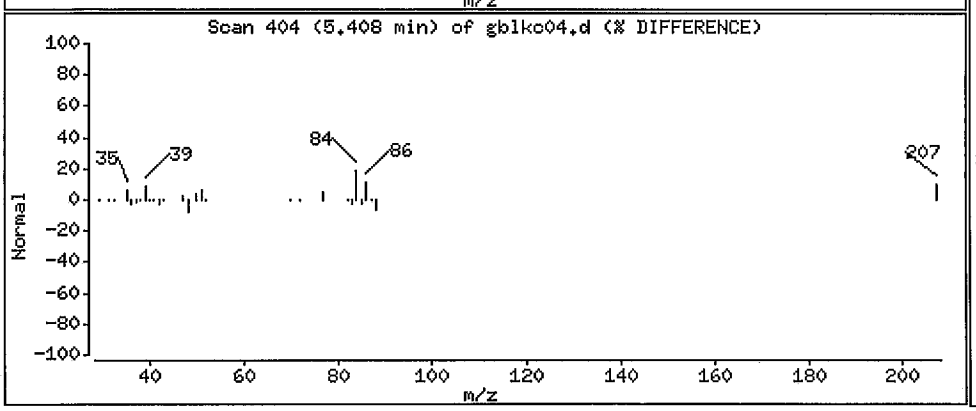
31 Methylene Chloride

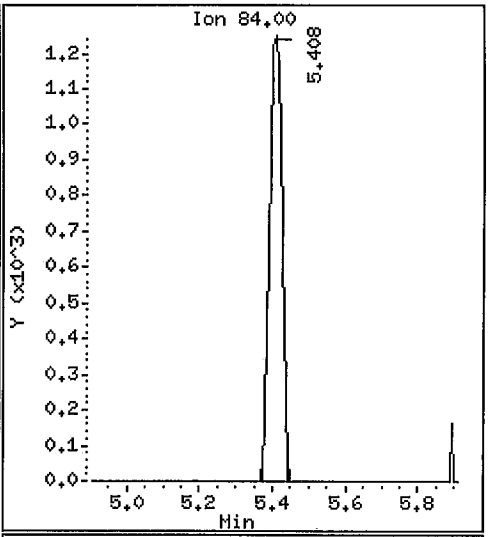
Concentration: 0.02230 ppb(v/v)

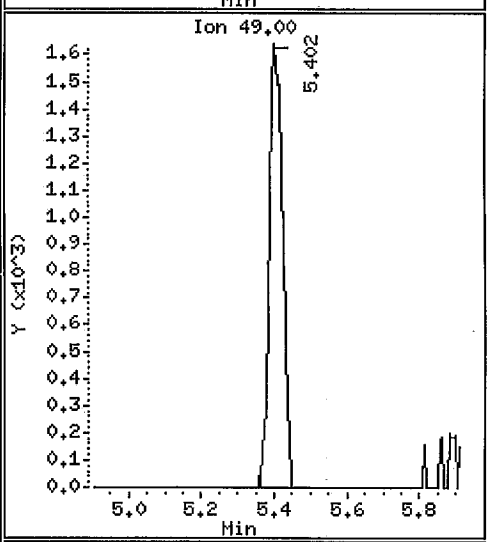


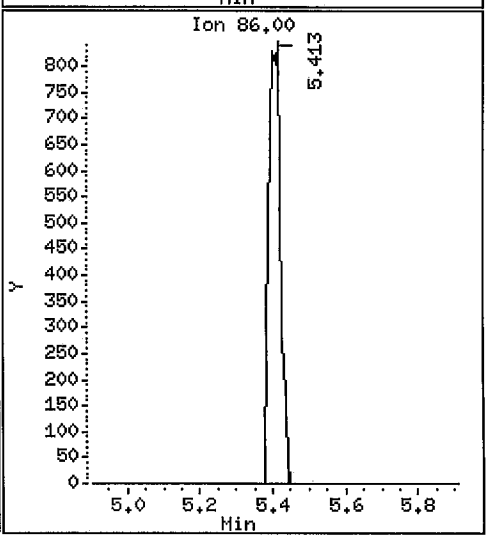












New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C040000 - 050C **Work Order #** MX9GJ1AC **Matrix.....:** AIR

	02/21/2013	**Date Received..:**	02/28/2013
Prep Date.....:	03/04/2013	**Analysis Date...**	03/04/2013
Prep Batch #.....:	3063050		
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
1,1,1-Trichloroethane	5.00	4.46	27	24.3	89	70 - 130
1,1,2,2-Tetrachloroethane	5.00	3.94	34	27.1	79	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.23	38	32.4	85	70 - 130
1,1,2-Trichloroethane	5.00	4.25	27	23.2	85	70 - 130
1,1-Dichloroethane	5.00	3.96	20	16.0	79	70 - 130
1,1-Dichloroethene	5.00	4.26	20	16.9	85	70 - 130
1,2,4-Trichlorobenzene	5.00	3.50	37	26.0	70	60 - 140
1,2,4-Trimethylbenzene	5.00	4.03	25	19.8	81	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.21	38	32.4	84	70 - 130
1,2-Dichlorobenzene	5.00	4.29	30	25.8	86	70 - 130
1,2-Dichloroethane	5.00	4.09	20	16.6	82	70 - 130
1,2-Dichloropropane	5.00	3.74	23	17.3	75	70 - 130
1,3,5-Trimethylbenzene	5.00	4.00	25	19.6	80	70 - 130
1,4-Dichlorobenzene	5.00	4.27	30	25.6	85	70 - 130
1,4-Dioxane	5.00	3.82	18	13.8	76	60 - 140
2-Butanone (MEK)	5.00	3.23	15	9.54	65	60 - 140
1,3-Dichlorobenzene	5.00	4.32	30	26.0	86	70 - 130
2,2,4-Trimethylpentane	5.00	4.20	23	19.6	84	70 - 130
Benzene	5.00	3.98	16	12.7	80	70 - 130
Benzyl chloride	5.00	4.22	26	21.8	84	70 - 130
Bromodichloromethane	5.00	4.52	34	30.3	90	70 - 130
Bromoform	5.00	4.80	52	49.6	96	60 - 140
Bromomethane	5.00	6.00	19	23.3	120	70 - 130
Carbon tetrachloride	5.00	4.57	31	28.7	91	70 - 130
Chlorobenzene	5.00	4.46	23	20.6	89	70 - 130
Chloroethane	5.00	5.37	13	14.2	107	70 - 130
Chloroform	5.00	4.26	24	20.8	85	70 - 130
Cyclohexane	5.00	4.50	17	15.5	90	70 - 130
Chloromethane	5.00	5.00	10	10.3	100	60 - 140
cis-1,2-Dichloroethene	5.00	4.29	20	17.0	86	70 - 130
cis-1,3-Dichloropropene	5.00	4.23	23	19.2	85	70 - 130
Dibromochloromethane	5.00	4.74	43	40.4	95	70 - 130
Dichlorodifluoromethane	5.00	5.20	25	25.7	104	60 - 140
Ethanol	25.0	17.7	47	33.4	71	20 - 180
Ethylbenzene	5.00	4.03	22	17.5	81	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.84	35	40.8	117	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C040000 - 050C **Work Order #** MX9GJ1AC **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
n-Hexane	5.00	4.24	18	15.0	85	70 - 130
Hexachlorobutadiene	5.00	3.61	53	38.5	72	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	3.76	20	15.4	75	60 - 140
Methyl tert-butyl ether	5.00	3.74	18	13.5	75	60 - 140
Methylene chloride	5.00	4.12	17	14.3	82	70 - 130
Styrene	5.00	4.20	21	17.9	84	70 - 130
tert-Butyl alcohol	5.00	3.87	15	11.7	77	60 - 140
Tetrachloroethene	5.00	4.82	34	32.7	96	70 - 130
Toluene	5.00	4.09	19	15.4	82	70 - 130
m-Xylene & p-Xylene	10.0	8.10	43	35.2	81	70 - 130
o-Xylene	5.00	4.08	22	17.7	82	70 - 130
trans-1,2-Dichloroethene	5.00	4.87	20	19.3	97	70 - 130
trans-1,3-Dichloropropene	5.00	4.17	23	18.9	83	70 - 130
Trichloroethene	5.00	5.06	27	27.2	101	70 - 130
Trichlorofluoromethane	5.00	5.68	28	31.9	114	60 - 140
Vinyl chloride	5.00	6.13	13	15.7	123	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	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/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G030413.b/glcsc04.d
Lab Smp Id: MX9GJ1AC Client Smp ID: CCV/LCS
Inj Date : 04-MAR-2013 09:11
Operator : 7126 Inst ID: mg.i
Smp Info : MX9GJ1AC,,2,6,,CCV/LCS
Misc Info : G030413,TO15,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G030413.b/TO15.m
Meth Date : 04-Mar-2013 12:40 tajh Quant Type: ISTD
Cal Date : 12-FEB-2013 18:25 Cal File: gicb129.d
Als bottle: 15 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 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))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	7.581	7.581	(1.000)	407153	4.00000	4.000
*	2 1,4-Difluorobenzene	114	9.651	9.651	(1.000)	1848184	4.00000	4.000
*	3 Chlorobenzene-d5	117	14.585	14.585	(1.000)	1600539	4.00000	4.000
$	4 4-Bromofluorobenzene	95	16.279	16.279	(1.116)	1104679	3.89266	9.732
M	83 Xylene (total)	100				1988662	4.86926	12.17
	5 Chlorodifluoromethane	67	3.456	3.456	(0.456)	67133	1.84511	4.613
	6 Propene	41	3.461	3.461	(0.457)	211334	1.84837	4.621
	7 Dichlorodifluoromethane	85	3.499	3.499	(0.462)	760421	2.08101	5.202
	8 Chloromethane	52	3.634	3.634	(0.479)	75752	1.99831	4.996
	9 1,2-Dichlorotetrafluoroethane	135	3.634	3.634	(0.479)	627917	2.33593	5.840
	10 Methanol	31	3.741	3.741	(0.494)	40402	1.75495	4.387
	11 ~ acetaldehyde	44	3.747	3.747	(0.494)	320198	8.79805	22.00
	12 Vinyl Chloride	62	3.752	3.752	(0.495)	264458	2.45157	6.129
	13 n-Butane	43	3.812	3.812	(0.503)	388703	2.19097	5.477
	14 1,3-Butadiene	54	3.817	3.817	(0.503)	189583	2.14457	5.361
	15 Bromomethane	94	4.054	4.054	(0.535)	244662	2.39942	5.998

Data File: /var/chem/gcms/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
16	Chloroethane	64	4.157	4.157	(0.548)	103439	2.14915	5.373
17	~ ethanol	31	4.254	4.254	(0.561)	231636	7.08710	17.72
18	Vinyl Bromide	106	4.378	4.378	(0.577)	233971	2.21594	5.540
19	2-methyl butane	43	4.394	4.394	(0.580)	241355	2.19774	5.494
20	Trichlorofluoromethane	101	4.566	4.566	(0.602)	762264	2.27246	5.681
21	Acrolein	56	4.599	4.599	(0.607)	47699	1.88404	4.710
22	Acetonitrile	40	4.669	4.669	(0.616)	56763	1.67130	4.178
25	Pentane	72	4.717	4.717	(0.622)	38036	2.25279	5.632
23	Acetone	58	4.701	4.701	(0.620)	59966	1.64417	4.110
24	Isopropyl alcohol	45	4.771	4.771	(0.629)	183382	1.65013	4.125
26	Ethyl Ether	31	4.874	4.874	(0.643)	170763	1.51910	3.798
27	1,1-Dichloroethene	96	5.111	5.111	(0.674)	210591	1.70185	4.255
29	Acrylonitrile	53	5.240	5.240	(0.691)	121834	1.44064	3.602
30	1,1,2-Trichlorotrifluoroethane	101	5.246	5.246	(0.692)	435378	1.69332	4.233
28	tert-butanol	59	5.235	5.235	(0.691)	273067	1.54903	3.872
31	Methylene Chloride	84	5.408	5.408	(0.713)	178604	1.64585	4.115
32	3-Chloropropene	39	5.408	5.408	(0.713)	149519	1.46010	3.650
33	Carbon Disulfide	76	5.510	5.510	(0.727)	689733	1.97561	4.939
35	~ 2-Methyl Pentane	43	6.033	6.033	(0.796)	525915	1.68272	4.207
34	trans-1,2-Dichloroethene	96	6.055	6.055	(0.799)	254188	1.94671	4.867
36	Methyl-t-Butyl Ether	73	6.179	6.179	(0.815)	428880	1.49741	3.744
37	1,1-Dichloroethane	63	6.421	6.421	(0.847)	358595	1.58195	3.955
38	Vinyl Acetate	43	6.535	6.535	(0.862)	377914	1.27130	3.178
39	2-Butanone	72	6.950	6.950	(0.917)	67993	1.29304	3.233
40	Hexane	56	6.864	6.864	(0.905)	184461	1.69797	4.245
41	cis 1,2-Dichloroethene	96	7.290	7.290	(0.962)	229834	1.71431	4.286
42	Ethyl acetate	43	7.495	7.495	(0.989)	318832	1.26530	3.163
43	Chloroform	83	7.592	7.592	(1.001)	438825	1.70577	4.264
44	Tetrahydrofuran	42	7.996	7.996	(1.055)	174625	1.23927	3.098
45	1,1,1-Trichloroethane	97	8.492	8.492	(1.120)	487978	1.78476	4.462
46	1,2-Dichloroethane	62	8.622	8.622	(0.893)	280491	1.63650	4.091
49	Cyclohexane	69	9.004	9.004	(0.933)	104693	1.80093	4.502
48	Benzene	78	9.064	9.064	(0.939)	563584	1.59218	3.980
50	Carbon Tetrachloride	117	9.074	9.074	(0.940)	445230	1.82627	4.566
51	~ 2,3-dimethylpentane	71	9.123	9.123	(0.945)	138308	1.80203	4.505
47	1-Butanol	31	9.145	9.145	(0.947)	48684	1.33176	3.329
52	~ Thiophene	84	9.339	9.339	(0.968)	382316	1.79677	4.492
53	2,2,4-trimethylpentane	57	9.770	9.770	(1.012)	1032242	1.68107	4.203
54	Heptane	71	10.196	10.196	(1.056)	220469	1.76011	4.400
55	1,2-Dichloropropane	63	10.331	10.331	(1.070)	195256	1.49517	3.738
56	Trichloroethene	130	10.363	10.363	(1.074)	392613	2.02450	5.061
180	~ 2-nitropropane	43	10.730	10.730	(1.112)	15610		
57	Dibromomethane	93	10.476	10.476	(1.085)	268144	1.83778	4.594
58	Bromodichloromethane	83	10.633	10.633	(1.102)	463430	1.80997	4.525
60	Methyl Methacrylate	41	10.789	10.789	(1.118)	187426	1.25491	3.137
59	1,4-dioxane	88	10.730	10.730	(1.112)	56752	1.52756	3.819
61	~ methyl cyclohexane	83	11.118	11.118	(1.152)	413441	1.84504	4.613

Data File: /var/chem/gcms/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	11.706	11.706	(1.213)	294397	1.69062	4.226
62	4-Methyl-2-pentanone	43	11.674	11.674	(1.210)	342546	1.50336	3.758
64	trans-1,3-Dichloropropene	75	12.455	12.455	(0.854)	275515	1.66841	4.171
65	Toluene	91	12.531	12.531	(0.859)	693958	1.63666	4.092
66	1,1,2-Trichloroethane	83	12.650	12.650	(0.867)	199906	1.70029	4.251
67	~ 2-methyl thiophene	97	12.693	12.693	(0.870)	627228	1.72090	4.302
68	~ 3-methyl thiophene	97	12.908	12.908	(0.885)	619553	1.72598	4.315
69	2-Hexanone	58	13.086	13.086	(0.897)	175887	1.64339	4.108
70	Octane	85	13.237	13.237	(0.908)	251833	1.82662	4.566
71	Dibromochloromethane	129	13.361	13.361	(0.916)	486944	1.89530	4.738
72	1,2-Dibromoethane	107	13.642	13.642	(0.935)	370946	1.68502	4.212
73	Tetrachloroethene	129	13.707	13.707	(0.940)	320971	1.93003	4.825
75	~ 2,3-dimethylheptane	43	14.639	14.639	(1.004)	664158	1.63033	4.076
74	Chlorobenzene	112	14.634	14.634	(1.003)	609558	1.78611	4.465
76	Ethylbenzene	91	14.931	14.931	(1.024)	843326	1.61114	4.028
77	~ 2-ethyl thiophene	97	15.044	15.044	(1.031)	672627	1.70633	4.266
78	m&p-Xylene	91	15.098	15.098	(1.035)	1314834	3.23789	8.095
79	Nonane	57	15.529	15.529	(1.065)	426238	1.60572	4.014
80	Bromoform	173	15.562	15.562	(1.067)	456434	1.92007	4.800
81	Styrene	104	15.588	15.588	(1.069)	496622	1.67982	4.200
82	o-Xylene	91	15.637	15.637	(1.072)	673828	1.63137	4.078
84	1,1,2,2-Tetrachloroethane	83	16.009	16.009	(1.098)	461013	1.57742	3.944
85	1,2,3-Trichloropropane	110	16.165	16.165	(1.108)	149281	1.64459	4.111
86	Cumene	105	16.241	16.241	(1.113)	985673	1.66182	4.154
87	n-Propylbenzene	120	16.796	16.796	(1.152)	282499	1.66071	4.152
88	2-chlorotoluene	126	16.839	16.839	(1.155)	298215	1.78905	4.473
89	4-Ethyltoluene	105	16.958	16.958	(1.163)	941612	1.60547	4.014
90	1,3,5-Trimethylbenzene	120	17.039	17.039	(1.168)	466716	1.59891	3.997
91	Alpha-Methylstyrene	118	17.303	17.303	(1.186)	389406	1.59121	3.978
92	Decane	57	17.357	17.357	(1.190)	491225	1.57838	3.946
93	tert-butylbenzene	119	17.497	17.497	(1.200)	874506	1.60468	4.012
94	1,2,4-Trimethylbenzene	105	17.519	17.519	(1.201)	763424	1.61202	4.030
95	sec-butylbenzene	105	17.799	17.799	(1.220)	1127192	1.60254	4.006
96	1,3-Dichlorobenzene	146	17.810	17.810	(1.221)	616567	1.72948	4.324
97	Benzyl Chloride	91	17.918	17.918	(1.228)	587028	1.68607	4.215
98	1,4-Dichlorobenzene	146	17.913	17.913	(1.228)	587541	1.70658	4.266
99	p-Cymene	119	17.983	17.983	(1.233)	955114	1.63943	4.098
100	~ 1,2,3- Trimethylbenzene	105	18.031	18.031	(1.236)	645946	1.61037	4.026
101	~ n-butylcyclohexane	83	18.074	18.074	(1.239)	643970	1.64155	4.104
102	~ Indane	117	18.295	18.295	(1.254)	760963	1.66939	4.173
103	1,2-Dichlorobenzene	146	18.306	18.306	(1.255)	582433	1.71482	4.287
104	n-butylbenzene	91	18.452	18.452	(1.265)	797054	1.54517	3.863
105	~ Indene	116	18.441	18.441	(1.264)	721386	1.59292	3.982
106	Undecane	57	18.792	18.792	(1.288)	407661	1.45395	3.635
107	~ 1,2-dimethyl-4-ethylenzene	119	18.856	18.856	(1.293)	885547	1.57635	3.941
108	~ 1,2,4,5-tetramethylbenzene	119	19.261	19.261	(1.321)	891409	1.65164	4.129
109	~ 1,2,3,5-tetramethylbenzene	119	19.315	19.315	(1.324)	558480	1.64450	4.111

Data File: /var/chem/gcms/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	19.724	19.724	(1.352)	683585	1.66832	4.171
111 Dodecane	57	19.892	19.892	(1.364)	371677	1.56916	3.923
112 1,2,4-Trichlorobenzene	180	20.064	20.064	(1.376)	317227	1.39915	3.498
113 Napthalene	128	20.199	20.199	(1.385)	646519	1.38558	3.464
114 ~ benzo(b) thiophene	134	20.301	20.301	(1.392)	537849	1.73744	4.344
115 Hexachlorobutadiene	225	20.409	20.409	(1.399)	408117	1.44453	3.611
116 1,2,3-trichlorobenzene	180	20.474	20.474	(1.404)	272748	1.44264	3.607
117 ~ 2-Methylnaphthalene	142	21.283	21.283	(1.459)	392700	19.7851	49.46(R)
118 ~ 1-Methylnaphthalene	142	21.472	21.472	(1.472)	312213	22.4537	56.13(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsc04.d
Lab Smp Id: MX9GJ1AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G030413.b/TO15.m
Misc Info: G030413,TO15,all.sub,,,,

Calibration Date: 04-MAR-2013
Calibration Time: 09:11
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	407153	242256	572050	407153	0.00
2 1,4-Difluorobenze	1848184	1099669	2596699	1848184	0.00
3 Chlorobenzene-d5	1600539	952321	2248757	1600539	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	7.58	7.25	7.91	7.58	0.00
2 1,4-Difluorobenze	9.65	9.32	9.98	9.65	0.00
3 Chlorobenzene-d5	14.59	14.26	14.92	14.59	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/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G030413
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MX9GJ1AC
Client Smp ID: CCV/LCS
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: LCS
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/gcms/mg.i/G030413.b/TO15.m
Misc Info: G030413,TO15,all.sub,,,,

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5	Chlorodifluorometh	5.000	4.613	92.26	60-140
6	Propene	5.000	4.621	92.42	60-140
7	Dichlorodifluorome	5.000	5.202	104.05	60-140
8	Chloromethane	5.000	4.996	99.92	60-140
9	1,2-Dichlorotetraf	5.000	5.840	116.80	60-140
10	Methanol	5.000	4.387	87.75	60-140
11	~ acetaldehyde	25.00	22.00	87.98	70-130
12	Vinyl Chloride	5.000	6.129	122.58	70-130
13	n-Butane	5.000	5.477	109.55	60-140
14	1,3-Butadiene	5.000	5.361	107.23	60-140
15	Bromomethane	5.000	5.998	119.97	70-130
16	Chloroethane	5.000	5.373	107.46	70-130
17	~ ethanol	25.00	17.72	70.87	70-130
18	Vinyl Bromide	5.000	5.540	110.80	60-140
19	2-methyl butane	5.000	5.494	109.89	70-130
20	Trichlorofluoromet	5.000	5.681	113.62	60-140
21	Acrolein	5.000	4.710	94.20	60-140
22	Acetonitrile	5.000	4.178	83.57	60-140
23	Acetone	5.000	4.110	82.21	60-140
25	Pentane	5.000	5.632	112.64	70-130
24	Isopropyl alcohol	5.000	4.125	82.51	60-140
26	Ethyl Ether	5.000	3.798	75.95	60-140
27	1,1-Dichloroethene	5.000	4.255	85.09	70-130
28	tert-butanol	5.000	3.872	77.45	60-140
29	Acrylonitrile	5.000	3.602	72.03	60-140
30	1,1,2-Trichlorotri	5.000	4.233	84.67	70-130
31	Methylene Chloride	5.000	4.115	82.29	70-130
32	3-Chloropropene	5.000	3.650	73.01	60-140
33	Carbon Disulfide	5.000	4.939	98.78	70-130
34	trans-1,2-Dichloro	5.000	4.867	97.34	70-130
35	~ 2-Methyl Pentane	5.000	4.207	84.14	70-130
36	Methyl-t-Butyl Eth	5.000	3.744	74.87	60-140
37	1,1-Dichloroethane	5.000	3.955	79.10	70-130

Data File: /var/chem/gcms/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

	SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
	38	Vinyl Acetate	5.000	3.178	63.56	60-140
	39	2-Butanone	5.000	3.233	64.65	60-140
	40	Hexane	5.000	4.245	84.90	70-130
	41	cis 1,2-Dichloroet	5.000	4.286	85.72	70-130
	42	Ethyl acetate	5.000	3.163	63.26	60-140
	43	Chloroform	5.000	4.264	85.29	70-130
	44	Tetrahydrofuran	5.000	3.098	61.96	60-140
	45	1,1,1-Trichloroeth	5.000	4.462	89.24	70-130
	46	1,2-Dichloroethane	5.000	4.091	81.83	70-130
	47	1-Butanol	5.000	3.329	66.59	60-140
	48	Benzene	5.000	3.980	79.61	70-130
	49	Cyclohexane	5.000	4.502	90.05	70-130
	50	Carbon Tetrachlori	5.000	4.566	91.31	70-130
	51	~ 2,3-dimethylpent	5.000	4.505	90.10	70-130
	52	~ Thiophene	5.000	4.492	89.84	70-130
	53	2,2,4-trimethylpen	5.000	4.203	84.05	70-130
	54	Heptane	5.000	4.400	88.01	70-130
	55	1,2-Dichloropropan	5.000	3.738	74.76	70-130
	56	Trichloroethene	5.000	5.061	101.23	70-130
	57	Dibromomethane	5.000	4.594	91.89	70-130
	58	Bromodichlorometha	5.000	4.525	90.50	70-130
	59	1,4-dioxane	5.000	3.819	76.38	60-140
	60	Methyl Methacrylat	5.000	3.137	62.75	60-140
	61	~ methyl cyclohexa	5.000	4.613	92.25	70-130
	62	4-Methyl-2-pentano	5.000	3.758	75.17	60-140
	63	cis-1,3-Dichloropr	5.000	4.226	84.53	70-130
	64	trans-1,3-Dichloro	5.000	4.171	83.42	70-130
	65	Toluene	5.000	4.092	81.83	70-130
	66	1,1,2-Trichloroeth	5.000	4.251	85.01	70-130
	67	~ 2-methyl thiophe	5.000	4.302	86.05	70-130
	68	~ 3-methyl thiophe	5.000	4.315	86.30	70-130
	69	2-Hexanone	5.000	4.108	82.17	60-140
	70	Octane	5.000	4.566	91.33	70-130
	71	Dibromochlorometha	5.000	4.738	94.76	70-130
	72	1,2-Dibromoethane	5.000	4.212	84.25	70-130
	73	Tetrachloroethene	5.000	4.825	96.50	70-130
	74	Chlorobenzene	5.000	4.465	89.31	70-130
	75	~ 2,3-dimethylhept	5.000	4.076	81.52	70-130
	76	Ethylbenzene	5.000	4.028	80.56	70-130
	77	~ 2-ethyl thiophen	5.000	4.266	85.32	70-130
	78	m&p-Xylene	10.00	8.095	80.95	70-130
M	83	Xylene (total)	15.00	12.17	81.15	70-130
	79	Nonane	5.000	4.014	80.29	60-140
	80	Bromoform	5.000	4.800	96.00	60-140
	81	Styrene	5.000	4.200	83.99	70-130
	82	o-Xylene	5.000	4.078	81.57	70-130
	84	1,1,2,2-Tetrachlor	5.000	3.944	78.87	70-130

Data File: /var/chem/gcms/mg.i/G030413.b/glcsc04.d
Report Date: 04-Mar-2013 15:17

	SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
85	1,2,3-Trichloropro	5.000	4.111	82.23	60-140
86	Cumene	5.000	4.154	83.09	70-130
87	n-Propylbenzene	5.000	4.152	83.04	70-130
88	2-chlorotoluene	5.000	4.473	89.45	70-130
89	4-Ethyltoluene	5.000	4.014	80.27	70-130
90	1,3,5-Trimethylben	5.000	3.997	79.95	70-130
91	Alpha-Methylstyren	5.000	3.978	79.56	60-140
92	Decane	5.000	3.946	78.92	60-140
93	tert-butylbenzene	5.000	4.012	80.23	70-130
94	1,2,4-Trimethylben	5.000	4.030	80.60	70-130
95	sec-butylbenzene	5.000	4.006	80.13	70-130
96	1,3-Dichlorobenzen	5.000	4.324	86.47	70-130
97	Benzyl Chloride	5.000	4.215	84.30	70-130
98	1,4-Dichlorobenzen	5.000	4.266	85.33	70-130
99	p-Cymene	5.000	4.098	81.97	70-130
100	~ 1,2,3- Trimethyl	5.000	4.026	80.52	70-130
101	~ n-butylcyclohexa	5.000	4.104	82.08	70-130
102	~ Indane	5.000	4.173	83.47	70-130
103	1,2-Dichlorobenzen	5.000	4.287	85.74	70-130
104	n-butylbenzene	5.000	3.863	77.26	60-140
105	~ Indene	5.000	3.982	79.65	70-130
106	Undecane	5.000	3.635	72.70	60-140
107	~ 1,2-dimethyl-4-e	5.000	3.941	78.82	70-130
108	~ 1,2,4,5-tetramet	5.000	4.129	82.58	70-130
109	~ 1,2,3,5-tetramet	5.000	4.111	82.22	70-130
110	~ 1,2,3,4-tetramet	5.000	4.171	83.42	70-130
111	Dodecane	5.000	3.923	78.46	60-140
112	1,2,4-Trichloroben	5.000	3.498	69.96	60-140
113	Napthalene	5.000	3.464	69.28	40-140
114	~ benzo(b) thiophe	5.000	4.344	86.87	70-130
115	Hexachlorobutadien	5.000	3.611	72.23	60-140
116	1,2,3-trichloroben	5.000	3.607	72.13	40-140
117	~ 2-Methylnaphthal	31.25	49.46	158.28*	70-130
118	~ 1-Methylnaphthal	31.25	56.13	179.63*	70-130

	SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4	4-Bromofluorobenze	10.00	9.732	97.32	70-130

Data File: /var/chem/gcms/mg.i/G030413.b/glcso04.d
Date : 04-MAR-2013 09:11
Client ID: CCV/LCS
Sample Info: MX9GJAC,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

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

Miscellaneous Data

TestAmerica Knoxville GC/MS Air Data Review / Narrative Checklist LOT/Project # H3B280421

Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 13 & KNOX-MS-0023, Rev 0

Instrument:	R022013F	G021213F	G030213
Scanned File:	R022813	G030113A	G030413

Review Items **A. Tune / Continuing Calibration**	N/A	Yes	No	Why is data reportable?	2nd
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	**N/A**	**Yes**	**No**	**Why is data reportable?**	
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. Default sample volume verified?		✓			✓
8. 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***):* 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.	✓
9. Were all positive results and false negatives on quan report verified to be correct in LIMS?		✓			✓
10. For dilutions, is highest concentration hit ≥ 20% cal range and not above calibration range? *List samples and reason (e.g.,* elev1*):* Sample / Reason / Sample / Reason: #C6 18, 12 11, 18, 23 — elev5			✓	□ [elev1] Elevated RL for due to sample matrix interferences. □ [elev3] Elevated RLs for all analytes due to difficult sample matrix. or elev 5 □ [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	✓
11. 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 > 10x 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%, and no two consecutive MEs). 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 LCS ID: _____	✓
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?	✓				NA
4. Was a narrative prepared and all deviations noted?		✓		□ [1pt6]; □ [1pt11]; □ [1ptsur] □ [Extras] ethanol	✓
5. TO14A Autotext included in narrative (for TO14A samples only).	✓			□ [TO14]	NA
6. All target analytes on c.cal >30%D but passes LCS criteria noted in the narrative?		✓		□ [ccal] The ccal exhibited a %D ICAL >30% but passes LCS…list analytes on narrative.	✓

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

Analyst:	**Date:** 3/4/13	**2nd Level Reviewer:**	**Date:** 030573

□ see following page for comments.

*Such action must be taken in consultation with client.

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/01/13
Time: 8:33:24

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

Reviewer/Date: _____ / 0/00/00

QC BATCH: 3060017

PREP DATE: 2/28/13
COMP DATE: 3/01/13

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SPIKE VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280421-001 **MX8D8-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-002 **MX8D9-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-003 **MX8EA-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-005 **MX8ED-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-007 **MX8EH-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-010 **MX8EM-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-011 **MX8EP-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/01/13
Time: 8:33:24

QC BATCH: 3060017

PREP DATE: 2/28/13
COMP DATE: 3/01/13

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280421-013 **MX8ET-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-015 **MX8EW-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-017 **MX8E0-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-020 **MX8E3-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-022 **MX8E5-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-024 **MX8E7-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C010000-017 **MX8QX-1-AAB**		88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C010000-017 **MX8QX-1-ACC**		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 15

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/02/13
Time: 10:34:08

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____
_____
Concentrationist: _____
_____

****
* *
* **QC BATCH: 3061010** *
* *
****

PREP DATE: 3/01/13
COMP DATE: 3/02/13

Reviewer/Date: _____ / 0/00/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION VOL	SOLVENTS EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280421-006 **MX8EE-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	3/08/13	H3B280421-008 **MX8EJ-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	3/08/13	H3B280421-009 **MX8EL-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	3/08/13	H3B280421-012 **MX8EQ-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	3/08/13	H3B280421-014 **MX8EV-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	3/08/13	H3B280421-016 **MX8EX-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	3/08/13	H3B280424-025 **MX8GJ-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/02/13
Time: 10:34:08

QC BATCH: 3061010

PREP DATE: 3/01/13
COMP DATE: 3/02/13

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280424-027 **MX8GM-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-029 **MX8GQ-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C020000-010 **MX886-1-AA**B		88	7M	AIR	**500mL** 500.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C020000-010 **MX886-1-AC**C		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 11

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/04/13
Time: 6:33:21

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

****
* *
* QC BATCH: 3063014 *
* *
****

PREP DATE: 3/02/13
COMP DATE: 3/03/13

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280421-004 **MX8EC-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-019 **MX8E2-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-021 **MX8E4-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280421-023 **MX8E6-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-018 **MX8GA-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-019 **MX8GC-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-020 **MX8GD-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/04/13
Time: 6:33:21

QC BATCH: 3063014

PREP DATE: 3/02/13
COMP DATE: 3/03/13

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280424-021 **MX8GE-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-022 **MX8GF-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-024 **MX8GH-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C040000-014 **MX9EA-1-AAB**		88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C040000-014 **MX9EA-1-ACC**		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 12

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/04/13
Time: 13:10:19

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
_	_		_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

****
* *
* **QC BATCH: 3063050** *
* *
****

PREP DATE: 3/04/13
COMP DATE: 3/05/13

Reviewer/Date: _____ / 0/00/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280421-018 **MX8E1-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-001 **MX8FJ-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-005 **MX8FT-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-009 **MX8F1-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-011 **MX8F3-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-014 **MX8F6-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-016 **MX8F8-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/04/13
Time: 13:10:19

QC BATCH: 3063050

PREP DATE: 3/04/13
COMP DATE: 3/05/13

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	3/08/13	H3B280424-019 **MX8GC-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-023 **MX8GG-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-026 **MX8GK-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-028 **MX8GN-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	3/08/13	H3B280424-030 **MX8GR-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C040000-050 **MX9GJ-1-AA**B		88	7M	AIR	**500mL** 500.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H3C040000-050 **MX9GJ-1-AC**C		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 14

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10351
Matrix: Air **Can #:** s1530
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10351
Matrix: Air **Can #:** s1530
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)
Toluene	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10354
Matrix: Air **Can #:** 1331n
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10354
Matrix: Air **Can #:** 1331n
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)
Toluene	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10356
Matrix: Air **Can #:** 12536
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10356
Matrix: Air **Can #:** 12536
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)
Toluene	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10358
Matrix: Air **Can #:** 04409
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10358
Matrix: Air **Can #:** 04409
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)
Toluene	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10359
Matrix: Air **Can #:** 62276
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3B280421 **Batch #:** 10359
Matrix: Air **Can #:** 62276
MethCod: 7m
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)
Toluene	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)

Sample Receipt Documentation

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H3B280421

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jason Pelton	**Sampled By:** Greg Young
Company: NYSDEC Central office	Phone (518) 402-9478	1 of 9 COCs
Address:	Site Contact: Greg Young (585) 313-8588	
City/State/Zip	TAL Contact: Jamie McKinney	
Phone:		
FAX:		
Project Name: Scobell Chemical	**Analysis Turnaround Time**	
Site/location: Rochester, NY	Standard (Specify) X	
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-IA-00381-01 ✓	2/19-20/13	1019	925	-29	-3.5	K167	1530	X						X				
828076-SS-00381-01 ✓		1019	926	-29	-3.5	K122	1490	X								X		
828076-IA-00381-02 ✓		~~1022~~ 1135 (EST)	~~916~~ 1022 (EST)	-29	-3	K161	1135	X						X				
828076-SS-00381-02 ✓		1022	917	-29	-6	K103	6373	X								X		
828076-IA-00382-01 ✓		1103	943	-29	-6	K496	6655	X						X				
828076-SS-00382-02 ✓	2/19-20/13	1103	943	-29	-3	K473	6122	X								X		

Sampled by : Empire Geo Services

	Temperature (Fahrenheit)		
	Interior	Ambient	
Start			
Stop			

11 Boxes Rec'd @ Ambient Temp 2/26/13 without custody seals DPH 2/28/13

11 Boxes Rec'd X #'s

	Pressure (inches of Hg)		
	Interior	Ambient	
Start			
Stop			

4485 0263 6845
4485 0263 6801

58 Cans/58 Flows/2 Trans/58 cc's

Special Instructions/QC Requirements & Comments:

Same standards as the January 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 2/27/13 @ 1410	Received by:
Relinquished by:	Date/Time: 2/27/13 @ 1600	Received by: 2/28/13 1005

879

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H3B280421

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jason Pelton	**Sampled By:** Greg Young	2 of 9 COCs
Company: NYSDEC Central office	Phone (518) 402-9478		
Address:	Site Contact: Greg Young (585) 313-8588		
City/State/Zip	TAL Contact: Jamie McKinney		
Phone:			
FAX:			
Project Name: Scobell Chemical	**Analysis Turnaround Time**		
Site/location: Rochester, NY	Standard (Specify) X		
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-IA-00382-02 ✓	2/19-20/13	1127	954	-29	-4	K444	04404	X							X				
828076-SS-00382-02 ✓		1128	955	-29	0	K098	7489	X									X		
828076-SS-00382-03 ✓		1128	955	-29	-5	K190	7494	X									X		
828076-OA-00382-01 ✓		1138	1018	-29	-3	K928	6530	X								X ✓			
828076-IA-00383-04 ✓		1252	1145	-27	-6	K478	12181	X							X				
828076-SS-00383-04 ✓		1252	1145	-29	-4	K462	12270	X									X		

Sampled by : Empire Geo Services

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments: Same standards as the January 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 2/27/13@ 1410	Received by:
Relinquished by:	Date/Time: 2/27/13@ 1610	Received by: 2/28/13 1005

880

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H3B280421

Canister Samples Chain of Custody Record

H3B280421

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: Jason Pelton	Sampled By: Greg Young	3 of 9 COCs
Company: NYSDEC Central office	Phone: (518) 402-9478		
Address:	Site Contact: Greg Young (585) 313-8588		
City/State/Zip	TAL Contact: Jamie McKinney		
Phone:			
FAX:			
Project Name: Scobell Chemical	Analysis Turnaround Time		
Site/location: Rochester, NY	Standard (Specify) X		
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-IA-003B3-05 ✓	2/19-20/13	1315	1156	-27	-6	K481	92068	X							X				
828076-SS-003B3-05 ✓	↓	1315	1156	-29	-4	K507	6522	X									X		
828076-IA-003B4-01 ✓	2/20-21/13	839	811	-28	-4	K479B	21665	X							X				
828076-SS-003B4-01 ✓	↓	840	811	-30	-4	K216	04311	X									X		
828076-IA-003B4-02 ✓	↓	904	822	-30	-3	K409	12821	X							X				
828076-SS-003B4-02 ✓	↓	903	822	-30	-5.5	K528	1319N	X									X		

Sampled by : Empire Geo Services

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Same standards as the January 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 2/27/13 @ 1410	Received by:
Relinquished by:	Date/Time: 2/27/13 @ 1610	Received by: 2/28/13 1005

881

TAL Knoxville
5815 Middlebrook Pike H3B280421
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jason Pelton	**Sampled By:** Greg Young
Company: NYSDEC Central office	Phone: (518) 402-9478	5 of 9 COCs
Address:	Site Contact: Greg Young (585) 313-8588	
City/State/Zip	TAL Contact: Jamie McKinney	
Phone:		
FAX:		
Project Name: Scobell Chemical	**Analysis Turnaround Time**	
Site/location: Rochester, NY	Standard (Specify) X	
PO # Site No. 828076	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	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
828076-SS-003B6-01 ✓	2/20-21/13	1326	1236	-29	-3.5	K230	93149	X									X		
828076-IA-003B6-02 ✓	↓	1343	1250	-30	-5	K272	01337	X							X				
828076-SS-003B6-02 ✓	↓	1343	1250	-27	-1	K427	6575	X									X		
828076-IA-003B7-01 ✓	2/21-22/13	905	810	-29	-4	K302	6664	X							X				
828076-SS-003B7-01 ✓	↓	905	810	-29	-4	K131	12878	X									X		
828076-IA-003B7-02 ✓	↓	924	825	-29	-3.5	K310	43A	X							X				

Sampled by : Empire Geo Services

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments: Same standards as the January 2012 sampling at this site

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 2/27/13 @ 1410	Received by:
Relinquished by:	Date/Time: 2/28/13 @ 1610	Received by: 2/29/13 1005

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H3B280421

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:	4#
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
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?	✓			☐ **19a** Other	

Quote #: 89579 PM Instructions: NA

Sample Receiving Associate: [signature] Date: 2/28/13

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

Lot Number: *H3B280421*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Can or Tedlar bag prep Time	Baro ID B2 Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Baro ID___ Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
MG 1/28/13	1355	28.78	MX8D8	1530 ✓	-2.0	–												10354
			S MX8D9	1490 ✓	-3.0	–						—						10351
			MX8EA	1135 ✓	-1.7	–												"
			S MX8EC	6373 ✓	-4.0	–												"
			MX8ED	6655 ✓	-4.9	–												10356
	"		S MX8EE	6122 ✓	-2.4	–												"
	1400		MX8EH	04404 ✓	-3.5	–												"
			S MX8EJ	7489 ✓	0	–												10358
			S MX8EL	7494 ✓	-3.8	–												10356
			MX8EM	6530 ✓	-2.0	–												10358
			MX8EP	12181 ✓	-4.6	–												10351
	↓		S MX8EQ	12270 ✓	-4.0	–												10354
	1405		MX8ET	92068 ✓	-5.7	–												10358
			S MX8EV	6522 ✓	-4.7	–												"
			MX8EW	21665 ✓	-1.8	–												10356
			S MX8EX	04311 ✓	-3.3	–												"
			MX8E0	12821 ✓	-2.1	–												10358
	"		S MX8E1	1319N ✓	-3.3	–												10359
	1410	↓	S MX8E2	93149 ✓	0	–												10351
↓	"	↓	MX8E3	04337 ✓	-3.0	–												10351

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

Lot Number: *H3B280421*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Can or Tedlar bag prep Time	Baro ID B2 Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Baro ID___ Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
10/8/13	1415	28.81	S MX8E4	6575 ✓	0	—												10351
		28.81	MX8E5	6664 ✓	-3.2	—												
			S MX8E6	12878 ✓	-3.6	—												
			MX8E7	43A ✓	-3.8	—												10359