New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/18/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Accutest Job Number: M64318

Sampling Date: 04/23/07

Report to:

GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801-1970

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **247**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Sample Summary

GEI Consultants, Inc.

Job No: M64318

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M64318-1	04/23/07	14:41	SLS	04/24/07	AIR	Air	045162-23 KNOW-1
M64318-2	04/23/07	14:38	SLS	04/24/07	AIR	Air	045162-23 KNOW-B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M64318
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	5/17/2007 5:37:38 PM

2 Sample(s) were collected on 04/23/2007 and were received at Accutest on 04/24/2007 . These Samples received an Accutest job number of M64318. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR **Batch ID:** MSJ526

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64241-1DUP were used as the QC samples indicated.

Matrix AIR **Batch ID:** MSQ179

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64265-2DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M64318).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-23 KNOW-1		
Lab Sample ID:	M64318-1	**Date Sampled:**	04/23/07
Matrix:	AIR - Air Summa ID: M155	**Date Received:**	04/24/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10178.D	1	04/30/07	DFT	n/a	n/a	MSJ526
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16	0.20	ppbv	J	1.0	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.19	0.20	ppbv	J	1.3	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		57-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-23 KNOW-B		
Lab Sample ID:	M64318-2	**Date Sampled:**	04/23/07
Matrix:	AIR - Air Summa ID: M089	**Date Received:**	04/24/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3321.D	1	05/02/07	PB	n/a	n/a	MSQ179
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.16	0.20	ppbv	J	0.87	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.18	0.20	ppbv	J	1.2	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		57-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #:
Lab Quote #:
Bottle Order Control #:
Lab Job #: M64318

PAGE 1 OF 1

Client / Reporting Information

Company Name: GEI Consultants, Inc.
Address: 400 Unicorn Park
City: Woburn State: MA Zip: 01801
Project Contact: mark ensign E-mail: mensign@geiconsultants.com
Phone #: (781) 721-4000 Fax #: (781) 721-4073
Sampler(s) Name(s):

Project Name: Tufts Street
Street:
City: Somerville State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 79.7 Maximum:
Stop: 88.3 Minimum:

Atmospheric Pressure (inches of Hg)
Start: 30.07 Maximum:
Stop: 29.90 Minimum:

Other weather comment: Sunny

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: Standard TO-15 Reporting List	MA-DEP-APH
-1	045162-23Know-1	I	M155	6L	MC030	4-23-07	1033	30	70	SLS	4-23-07	1441	5	73.5	SLS		
-2	045162-23know-8	I	M089	6L	MC001	4-23-07	1030	29	62	SLS	4-23-07	1438	4	69	SLS		

Turnaround Time / Business days

Standard - 15 Days: X
10 Day:
5 Day:
3 Day:
2 Day:
1 Day:
Other:

Approved By:
Date:

Data Deliverable Information

Comm A:
Comm B:
Full T1:
Other:

Comments / Remarks

Please see attached list of analytes

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2 GEI Lab	4-23-07 07:30	2 Tom Daisk
3 Samantha Platt	4-23-07 1500	3 GEI Lab	4 GEI Lab	4/24/07 1030	4 J Ballantyne
5 J Ballantyne	4/24/07 1032	5	Custody Seal #	4/24/07 15:40	

SM013-01 (3/14/06)

4.1 4

M64318: Chain of Custody
Page 1 of 7

Indoor Air Sampling Analyte List

- Chloroethane
- Carbon Tetrachloride
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethane
- trans-1,2-Dichloroethylene
- cis-1,2-Dichloroethylene
- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- Tetrachloroethylene
- Trichloroethylene
- Vinyl Chloride

Summa Certification Blanks

Sample ID	Canister ID
M64318-1	M155
M64318-2	M089

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9871.D
Acq On : 31 Mar 2007 1:44 am
Operator : PhilipB
Sample : M63703-21 (M155)
Misc : MS13284, MSJ510,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 02 09:24:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	296741	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	512515	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	448838	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	114817	4.05	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.00%

Target Compounds	Qvalue

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

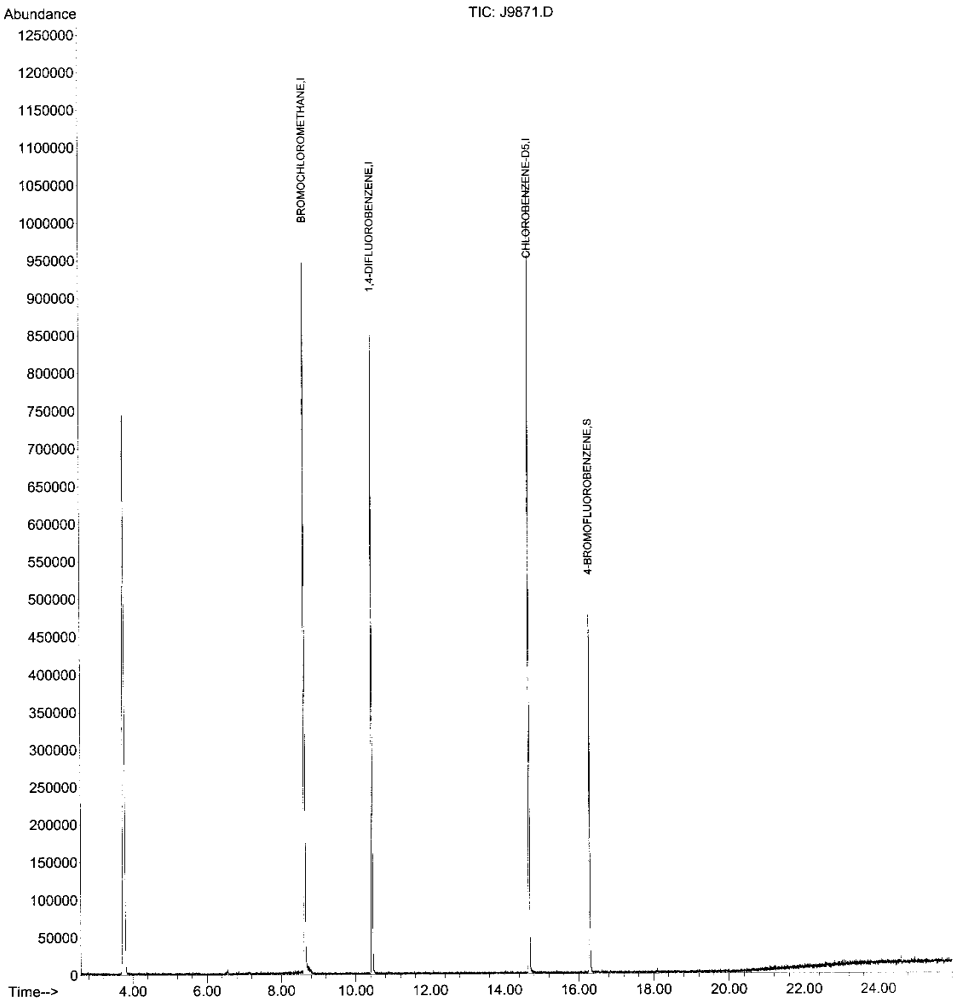
J032207T.M Mon Apr 02 09:32:31 2007 Page: 1

4.1 4

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9871.D
Acq On : 31 Mar 2007 1:44 am
Operator : PhilipB
Sample : M63703-21 (M155)
Misc : MS13284, MSJ510,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 02 09:24:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration



J032207T.M Mon Apr 02 09:32:32 2007 Page: 2

4.1 4

M64318: Chain of Custody
Page 5 of 7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9873.D
Acq On : 31 Mar 2007 3:16 am
Operator : PhilipB
Sample : M63703-23 (M089)
Misc : MS13284, MSJ510,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 02 09:26:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	303231	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	531544	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	464335	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	121033	4.12	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 82.40%

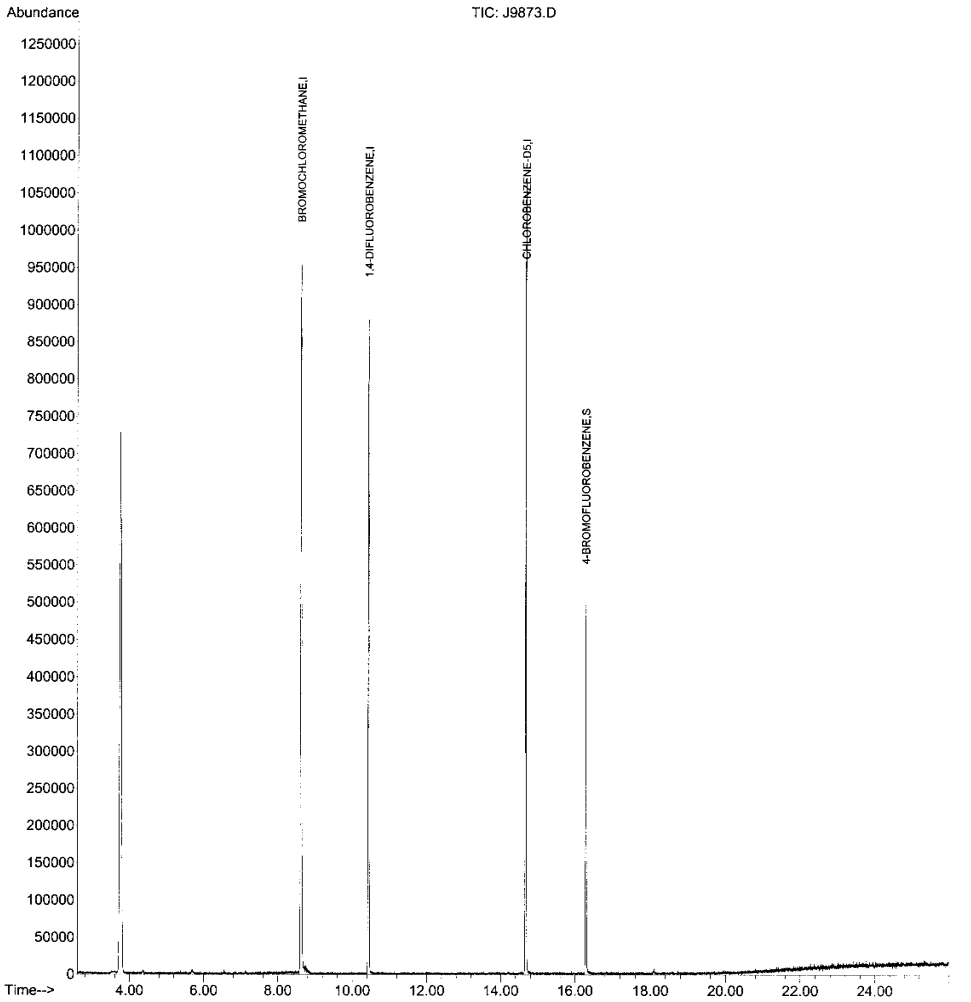
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9873.D
Acq On : 31 Mar 2007 3:16 am
Operator : PhilipB
Sample : M63703-23 (M089)
Misc : MS13284, MSJ510,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 02 09:26:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration



J032207T.M Mon Apr 02 09:32:50 2007 Page: 2

4.1 4

M64318: Chain of Custody
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Summa Canister and Flow Controller Log

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 04/24/07

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M155	6	29.4	04/02/07	PB	CP391		M64318-1	04/25/07	DFT	4			1
M089	6	29.4	04/02/07	PB	CP391		M64318-2	04/25/07	DFT	4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC001	04/19/07	PB	20	4	04/26/07	PB	18.4
MC030	04/19/07	PB	20	4	04/26/07	PB	20.9

Accutest Bottle Order(s):
PB/4-19-0//GEI/TUFTS ST.
PB/4-2-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
04/02/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64318

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64318-1	Collected: 23-APR-07 14:41	By: SLS	Received: 24-APR-07	By: RS		
045162-23 KNOW-1						
M64318-1	TO-15	30-APR-07 20:20	DFT			VTO15STD
M64318-2	Collected: 23-APR-07 14:38	By: SLS	Received: 24-APR-07	By: RS		
045162-23 KNOW-B						
M64318-2	TO-15	02-MAY-07 11:36	PB			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ526-MB	J10168.D	1	04/30/07	DFT	n/a	n/a	MSJ526

The QC reported here applies to the following samples: **Method:** TO-15

M64318-1

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-139%

Method Blank Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ179-MB	Q3313.D	1	05/01/07	PB	n/a	n/a	MSQ179

The QC reported here applies to the following samples: **Method:** TO-15

M64318-2

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	57-139%

Blank Spike Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ526-BS	J10166A.D	1	04/30/07	DFT	n/a	n/a	MSJ526

The QC reported here applies to the following samples: **Method:** TO-15

M64318-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.3	93	70-130
56-23-5	Carbon tetrachloride	10	9.7	97	70-130
75-34-3	1,1-Dichloroethane	10	9.4	94	70-130
75-35-4	1,1-Dichloroethylene	10	10.3	103	70-130
107-06-2	1,2-Dichloroethane	10	9.3	93	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.1	91	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.8	88	70-130
71-55-6	1,1,1-Trichloroethane	10	9.3	93	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	7.9	79	70-130
79-00-5	1,1,2-Trichloroethane	10	9.1	91	70-130
127-18-4	Tetrachloroethylene	10	8.8	88	70-130
79-01-6	Trichloroethylene	10	9.0	90	70-130
75-01-4	Vinyl chloride	10	9.5	95	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	99%	57-139%

Blank Spike Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ179-BS	Q3312A.D	1	05/01/07	PB	n/a	n/a	MSQ179

The QC reported here applies to the following samples: **Method:** TO-15

M64318-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.3	103	70-130
56-23-5	Carbon tetrachloride	10	9.5	95	70-130
75-34-3	1,1-Dichloroethane	10	8.7	87	70-130
75-35-4	1,1-Dichloroethylene	10	12.4	124	70-130
107-06-2	1,2-Dichloroethane	10	8.5	85	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.0	80	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.2	82	70-130
71-55-6	1,1,1-Trichloroethane	10	8.9	89	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	7.5	75	70-130
79-00-5	1,1,2-Trichloroethane	10	7.8	78	70-130
127-18-4	Tetrachloroethylene	10	7.5	75	70-130
79-01-6	Trichloroethylene	10	9.1	91	70-130
75-01-4	Vinyl chloride	10	12.0	120	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-139%

Duplicate Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M64241-1DUP	J10172.D	1	04/30/07	DFT	n/a	n/a	MSJ526
M64241-1	J10169.D	1	04/30/07	DFT	n/a	n/a	MSJ526

The QC reported here applies to the following samples: **Method:** TO-15

M64318-1

CAS No.	Compound	M64241-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.11	J	0.11	J	0	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	0.22		0.23		4	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.95		0.95		0	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64241-1	Limits
460-00-4	4-Bromofluorobenzene	84%	85%	57-139%

Duplicate Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M64265-2DUP	Q3316.D	1	05/01/07	PB	n/a	n/a	MSQ179
M64265-2	Q3315.D	1	05/01/07	PB	n/a	n/a	MSQ179
M64265-2	Q3317.D	10	05/01/07	PB	n/a	n/a	MSQ179

The QC reported here applies to the following samples: **Method:** TO-15

M64318-2

CAS No.	Compound	M64265-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64265-2	M64265-2	Limits
460-00-4	4-Bromofluorobenzene	95%	92%	85%	57-139%

Instrument Performance Check (BFB)

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ525-BFB
Lab File ID: J10136.D
Instrument ID: GCMSJ
Injection Date: 04/26/07
Injection Time: 12:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13331	18.2		Pass
75	30.0 - 66.0% of mass 95	36176	49.4		Pass
95	Base peak, 100% relative abundance	73247	100.0		Pass
96	5.0 - 9.0% of mass 95	5344	7.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	70950	96.9		Pass
175	4.0 - 9.0% of mass 174	3969	5.4	(5.6) [a]	Pass
176	93.0 - 101.0% of mass 174	68623	93.7	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	4840	6.6	(7.1) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ525-IC525	J10137.D	04/26/07	12:53	00:51	Initial cal 20
MSJ525-ICC525	J10138.D	04/26/07	13:46	01:44	Initial cal 10
MSJ525-IC525	J10139.D	04/26/07	14:44	02:42	Initial cal 5
MSJ525-IC525	J10140.D	04/26/07	15:47	03:45	Initial cal 2
MSJ525-IC525	J10141.D	04/26/07	16:42	04:40	Initial cal 0.5
MSJ525-IC525	J10143.D	04/26/07	18:19	06:17	Initial cal 40
MSJ525-IC525	J10144.D	04/27/07	09:19	21:17	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ526-BFB
Lab File ID: J10165.D
Instrument ID: GCMSJ
Injection Date: 04/30/07
Injection Time: 09:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5420	18.1		Pass
75	30.0 - 66.0% of mass 95	14949	50.0		Pass
95	Base peak, 100% relative abundance	29888	100.0		Pass
96	5.0 - 9.0% of mass 95	1505	5.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	28624	95.8		Pass
175	4.0 - 9.0% of mass 174	1612	5.4	(5.6) [a]	Pass
176	93.0 - 101.0% of mass 174	27124	90.8	(94.8) [a]	Pass
177	5.0 - 9.0% of mass 176	1699	5.7	(6.3) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ526-CC525	J10166.D	04/30/07	10:12	00:44	Continuing cal 10
MSJ526-BS	J10166A.D	04/30/07	10:12	00:44	Blank Spike
MSJ526-MB	J10168.D	04/30/07	11:41	02:13	Method Blank
M64241-1	J10169.D	04/30/07	12:29	03:01	(used for QC only; not part of job M64318)
ZZZZZZ	J10170.D	04/30/07	13:20	03:52	(unrelated sample)
M64241-1DUP	J10172.D	04/30/07	14:54	05:26	Duplicate
ZZZZZZ	J10173.D	04/30/07	15:41	06:13	(unrelated sample)
ZZZZZZ	J10174.D	04/30/07	17:07	07:39	(unrelated sample)
ZZZZZZ	J10175.D	04/30/07	17:56	08:28	(unrelated sample)
ZZZZZZ	J10176.D	04/30/07	18:44	09:16	(unrelated sample)
ZZZZZZ	J10177.D	04/30/07	19:32	10:04	(unrelated sample)
M64318-1	J10178.D	04/30/07	20:20	10:52	045162-23 KNOW-1
ZZZZZZ	J10180.D	04/30/07	21:59	12:31	(unrelated sample)
ZZZZZZ	J10181.D	04/30/07	22:48	13:20	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ177-BFB
Lab File ID: Q3287.D
Instrument ID: GCMSQ
Injection Date: 04/26/07
Injection Time: 16:15

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	33984	27.8		Pass
75	30.0 - 66.0% of mass 95	72032	58.8		Pass
95	Base peak, 100% relative abundance	122416	100.0		Pass
96	5.0 - 9.0% of mass 95	7915	6.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	66368	54.2		Pass
175	4.0 - 9.0% of mass 174	4698	3.8	(7.1) [a]	Pass
176	93.0 - 101.0% of mass 174	63000	51.5	(94.9) [a]	Pass
177	5.0 - 9.0% of mass 176	3621	3.0	(5.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ177-IC177	Q3287.D	04/26/07	16:15	00:00	Initial cal 2
MSQ177-IC177	Q3288.D	04/26/07	17:04	00:49	Initial cal .5
MSQ177-IC177	Q3289.D	04/26/07	17:42	01:27	Initial cal .2
MSQ177-IC177	Q3290.D	04/26/07	18:32	02:17	Initial cal 10
MSQ177-ICC177	Q3291.D	04/27/07	09:55	17:40	Initial cal 5
MSQ177-IC177	Q3292.D	04/27/07	11:23	19:08	Initial cal 20
MSQ177-IC177	Q3293.D	04/27/07	13:39	21:24	Initial cal 40
MSQ177-ICV177	Q3294.D	04/27/07	14:30	22:15	Initial cal verification 40
MSQ177-SCC	Q3295.D	04/27/07	15:43	23:28	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ179-BFB
Lab File ID: Q3312.D
Instrument ID: GCMSQ
Injection Date: 05/01/07
Injection Time: 11:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	17280	36.2		Pass
75	30.0 - 66.0% of mass 95	28920	60.6		Pass
95	Base peak, 100% relative abundance	47704	100.0		Pass
96	5.0 - 9.0% of mass 95	2589	5.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	24040	50.4		Pass
175	4.0 - 9.0% of mass 174	1814	3.8	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	23176	48.6	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	1432	3.0	(6.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ179-CC177	Q3312.D	05/01/07	11:52	00:00	Continuing cal 10
MSQ179-BS	Q3312A.D	05/01/07	11:52	00:00	Blank Spike
MSQ179-MB	Q3313.D	05/01/07	13:52	02:00	Method Blank
ZZZZZZ	Q3314.D	05/01/07	14:33	02:41	(unrelated sample)
M64265-2	Q3315.D	05/01/07	15:20	03:28	(used for QC only; not part of job M64318)
M64265-2DUP	Q3316.D	05/01/07	16:14	04:22	Duplicate
M64265-2	Q3317.D	05/01/07	17:15	05:23	(used for QC only; not part of job M64318)
ZZZZZZ	Q3319.D	05/02/07	09:46	21:54	(unrelated sample)
ZZZZZZ	Q3320.D	05/02/07	10:53	23:01	(unrelated sample)
M64318-2	Q3321.D	05/02/07	11:36	23:44	045162-23 KNOW-B

Volatile Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ526-CC525	**Injection Date:**	04/30/07
Lab File ID:	J10166.D	**Injection Time:**	10:12
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	81493	8.66	388824	10.48	350201	14.70
Upper Limit [a]	114090	8.99	544354	10.81	490281	15.03
Lower Limit [b]	48896	8.33	233294	10.15	210121	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ526-BS	81493	8.66	388824	10.48	350201	14.70
MSJ526-MB	84544	8.62	350757	10.44	302320	14.67
M64241-1	81417	8.62	323470	10.44	276323	14.67
ZZZZZZ	82929	8.62	339642	10.44	301113	14.67
M64241-1DUP	76143	8.63	311582	10.44	260979	14.67
ZZZZZZ	82398	8.62	341680	10.43	290047	14.67
ZZZZZZ	87695	8.63	371042	10.44	318165	14.67
ZZZZZZ	78528	8.62	306003	10.43	249601	14.66
ZZZZZZ	86562	8.63	362968	10.44	302360	14.67
ZZZZZZ	82024	8.63	344618	10.44	307494	14.67
M64318-1	91538	8.62	325095	10.44	255308	14.67
ZZZZZZ	104310	8.63	425901	10.44	356232	14.67
ZZZZZZ	77120	8.63	263096	10.44	220062	14.68

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ179-CC177	**Injection Date:**	05/01/07
Lab File ID:	Q3312.D	**Injection Time:**	11:52
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	91182	8.64	443535	10.47	398499	14.72
Upper Limit [a]	127655	8.97	620949	10.80	557899	15.05
Lower Limit [b]	54709	8.31	266121	10.14	239099	14.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ179-BS	91182	8.64	443535	10.47	398499	14.72
MSQ179-MB	69390	8.64	327273	10.47	272006	14.72
ZZZZZZ	70398	8.64	341035	10.47	279897	14.72
M64265-2	60956	8.64	300538	10.47	257852	14.72
M64265-2DUP	62732	8.64	308370	10.47	260327	14.72
M64265-2	70750	8.70	353675	10.52	298003	14.77
ZZZZZZ	71724	8.64	352460	10.47	288204	14.72
ZZZZZZ	62289	8.64	310091	10.47	262339	14.72
M64318-2	66197	8.64	334659	10.47	286534	14.72

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.63	8.61	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.57	8.61	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.43	1.062	ok	1.063	1.003-1.123
Bromoform	15.40	14.67	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.61	0.562	ok	0.563	0.503-0.623
Bromoethene	5.37	8.61	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.89	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.83	8.61	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.61	0.582	ok	0.582	0.522-0.642
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.61	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.64	8.61	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.61	1.190	ok	1.191	1.131-1.251
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.61	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.61	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.61	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.43	1.069	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.61	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.16	8.61	0.599	ok	0.601	0.541-0.661
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.61	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.171	1.111-1.231
Freon 113	6.78	8.61	0.787	ok	0.787	0.727-0.847
Freon 114	4.31	8.61	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.62	8.61	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.67	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.90	8.61	0.685	ok	0.686	0.626-0.746
Methylene chloride	6.53	8.61	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.61	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.98	10.43	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.71	8.61	0.895	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.12	8.61	0.711	ok	0.711	0.651-0.771
Propylene	3.99	8.61	0.463	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.61	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.50	8.61	0.755	ok	0.757	0.697-0.817
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.16	8.61	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.61	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.61	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.61	0.904	ok	0.904	0.844-0.964
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.61	ok	8.60	8.27-8.93	89217	ok	78727	47236-110218
1,4-Difluorobenzene	10.43	ok	10.42	10.09-10.75	384279	ok	335978	201587-470369
Chlorobenzene-D5	14.67	ok	14.66	14.33-14.99	335261	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.60	0.653	ok	0.655	0.595-0.715
1,3-Butadiene	4.57	8.60	0.531	ok	0.531	0.471-0.591
Benzene	10.10	10.42	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.07	10.42	1.062	ok	1.063	1.003-1.123
Bromoform	15.39	14.66	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.60	0.563	ok	0.563	0.503-0.623
Bromoethene	5.36	8.60	0.623	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.66	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.82	8.60	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.60	0.581	ok	0.582	0.522-0.642
Chloroform	8.72	8.60	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.60	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.63	8.60	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.98	14.66	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.60	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.35	10.42	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.63	8.60	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.40	8.60	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.66	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.43	8.60	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.88	10.42	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.42	1.069	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.60	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.66	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.43	8.60	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.43	8.60	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.92	10.42	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.43	10.42	1.193	ok	1.193	1.133-1.253
Ethanol	5.15	8.60	0.599	ok	0.601	0.541-0.661
Ethylbenzene	15.09	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.60	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.66	1.171	ok	1.171	1.111-1.231
Freon 113	6.77	8.60	0.787	ok	0.787	0.727-0.847
Freon 114	4.31	8.60	0.501	ok	0.501	0.441-0.561
Heptane	11.34	10.42	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.416	1.356-1.476
Hexane	8.60	8.60	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.66	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.88	8.60	0.684	ok	0.686	0.626-0.746
Methylene chloride	6.52	8.60	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.60	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.97	10.42	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.70	8.60	0.895	ok	0.897	0.837-0.957
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.11	8.60	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.60	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.66	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.66	8.60	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.66	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.42	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.72	14.66	1.209	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.66	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.10	10.42	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.48	8.60	0.753	ok	0.757	0.697-0.817
Tetrachloroethylene	14.00	14.66	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.15	8.60	1.064	ok	1.066	1.006-1.126
Toluene	12.87	10.42	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.10	10.42	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.60	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.60	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.77	8.60	0.903	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.66	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.66	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.60	ok	8.60	8.27-8.93	80028	ok	78727	47236-110218
1,4-Difluorobenzene	10.42	ok	10.42	10.09-10.75	351947	ok	335978	201587-470369
Chlorobenzene-D5	14.66	ok	14.66	14.33-14.99	300097	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.59	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.57	8.59	0.532	ok	0.531	0.471-0.591
Benzene	10.09	10.41	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.06	10.41	1.062	ok	1.063	1.003-1.123
Bromoform	15.38	14.66	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.59	0.563	ok	0.563	0.503-0.623
Bromoethene	5.36	8.59	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.66	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.82	8.59	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.70	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.59	0.583	ok	0.582	0.522-0.642
Chloroform	8.71	8.59	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.59	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.62	8.59	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.97	14.66	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.23	8.59	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.34	10.41	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.62	8.59	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.39	8.59	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.55	14.66	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.42	8.59	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.87	10.41	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.41	1.071	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.59	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.66	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.42	8.59	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.43	8.59	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.91	10.41	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.36	14.66	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.42	10.41	1.193	ok	1.193	1.133-1.253
Ethanol	5.16	8.59	0.601	ok	0.601	0.541-0.661
Ethylbenzene	15.08	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.59	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.66	1.171	ok	1.171	1.111-1.231
Freon 113	6.75	8.59	0.786	ok	0.787	0.727-0.847
Freon 114	4.31	8.59	0.502	ok	0.501	0.441-0.561
Heptane	11.33	10.41	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.416	1.356-1.476
Hexane	8.60	8.59	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.66	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.87	8.59	0.683	ok	0.686	0.626-0.746
Methylene chloride	6.51	8.59	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.59	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.96	10.41	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.69	8.59	0.895	ok	0.897	0.837-0.957
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.11	8.59	0.711	ok	0.711	0.651-0.771
Propylene	3.98	8.59	0.463	ok	0.464	0.404-0.524
Styrene	15.66	14.66	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.65	8.59	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.66	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.41	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.66	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.66	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.09	10.41	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.48	8.59	0.754	ok	0.757	0.697-0.817
Tetrachloroethylene	14.00	14.66	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.14	8.59	1.064	ok	1.066	1.006-1.126
Toluene	12.87	10.41	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.09	10.41	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.59	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.59	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.76	8.59	0.903	ok	0.904	0.844-0.964
m,p-Xylene	15.28	14.66	1.042	ok	1.042	0.982-1.102
o-Xylene	15.77	14.66	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.59	ok	8.60	8.27-8.93	81232	ok	78727	47236-110218
1,4-Difluorobenzene	10.41	ok	10.42	10.09-10.75	354952	ok	335978	201587-470369
Chlorobenzene-D5	14.66	ok	14.66	14.33-14.99	294474	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.58	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.56	8.58	0.531	ok	0.531	0.471-0.591
Benzene	10.08	10.40	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.05	10.40	1.062	ok	1.063	1.003-1.123
Bromoform	15.38	14.65	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.58	0.563	ok	0.563	0.503-0.623
Bromoethene	5.35	8.58	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.65	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.81	8.58	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.70	14.65	1.003	ok	1.003	0.943-1.063
Chloroethane	4.99	8.58	0.582	ok	0.582	0.522-0.642
Chloroform	8.70	8.58	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.58	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.62	8.58	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	16.97	14.65	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.22	8.58	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.33	10.40	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.61	8.58	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.39	8.58	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.55	14.65	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.40	8.58	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.87	10.40	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.40	1.072	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.05	8.58	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.65	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.41	8.58	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.41	8.58	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.91	10.40	1.145	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.65	1.222	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.36	14.65	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.97	14.65	1.227	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.41	10.40	1.193	ok	1.193	1.133-1.253
Ethanol	5.15	8.58	0.600	ok	0.601	0.541-0.661
Ethylbenzene	15.07	14.65	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.64	8.58	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.65	1.171	ok	1.171	1.111-1.231
Freon 113	6.74	8.58	0.786	ok	0.787	0.727-0.847
Freon 114	4.31	8.58	0.502	ok	0.501	0.441-0.561
Heptane	11.33	10.40	1.089	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.65	1.417	ok	1.416	1.356-1.476
Hexane	8.59	8.58	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.65	0.897	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.65	1.121	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.87	8.58	0.684	ok	0.686	0.626-0.746
Methylene chloride	6.50	8.58	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.58	0.936	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.96	10.40	1.150	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.69	8.58	0.896	ok	0.897	0.837-0.957
Nonane	15.96	14.65	1.089	ok	1.089	1.029-1.149
Pentane	6.09	8.58	0.710	ok	0.711	0.651-0.771
Propylene	3.98	8.58	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.65	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.64	8.58	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.65	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.40	1.212	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.65	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.65	1.209	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.65	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.09	10.40	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.47	8.58	0.754	ok	0.757	0.697-0.817
Tetrachloroethylene	13.99	14.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.14	8.58	1.065	ok	1.066	1.006-1.126
Toluene	12.86	10.40	1.237	ok	1.236	1.176-1.296
Trichloroethylene	11.08	10.40	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.76	8.58	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.58	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.75	8.58	0.903	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.65	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.65	1.077	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.58	ok	8.60	8.27-8.93	72125	ok	78727	47236-110218
1,4-Difluorobenzene	10.40	ok	10.42	10.09-10.75	296310	ok	335978	201587-470369
Chlorobenzene-D5	14.65	ok	14.66	14.33-14.99	258739	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.58	0.657	ok	0.655	0.595-0.715
1,3-Butadiene	4.56	8.58	0.531	ok	0.531	0.471-0.591
Benzene	10.09	10.40	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.06	10.40	1.063	ok	1.063	1.003-1.123
Bromoform	15.38	14.65	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.58	0.563	ok	0.563	0.503-0.623
Bromoethene	5.35	8.58	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.89	14.65	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.81	8.58	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.70	14.65	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.58	0.583	ok	0.582	0.522-0.642
Chloroform	8.70	8.58	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.58	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.61	8.58	0.770	ok	0.771	0.711-0.831
2-Chlorotoluene	16.97	14.65	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.22	8.58	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.33	10.40	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.61	8.58	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.39	8.58	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.55	14.65	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.41	8.58	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.87	10.40	1.045	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.05	8.58	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.30	14.65	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.42	8.58	0.865	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.42	8.58	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.91	10.40	1.145	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.65	1.222	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.65	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.65	1.227	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.42	10.40	1.194	ok	1.193	1.133-1.253
Ethanol	5.19	8.58	0.605	ok	0.601	0.541-0.661
Ethylbenzene	15.08	14.65	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.58	1.008	ok	1.008	0.948-1.068
4-Ethyltoluene	17.25	14.65	1.177	ok	1.171	1.111-1.231
Freon 113	6.75	8.58	0.787	ok	0.787	0.727-0.847
Freon 114	4.31	8.58	0.502	ok	0.501	0.441-0.561
Heptane	11.33	10.40	1.089	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.65	1.417	ok	1.416	1.356-1.476
Hexane	8.58	8.58	1.000	ok	1.001	0.941-1.061
2-Hexanone	13.16	14.65	0.898	ok	0.897	0.837-0.957

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.42	14.65	1.121	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.91	8.58	0.689	ok	0.686	0.626-0.746
Methylene chloride	6.51	8.58	0.759	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.58	0.938	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.98	10.40	1.152	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.71	8.58	0.899	ok	0.897	0.837-0.957
Nonane	15.96	14.65	1.089	ok	1.089	1.029-1.149
Pentane	6.09	8.58	0.710	ok	0.711	0.651-0.771
Propylene	3.98	8.58	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.65	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.64	8.58	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.65	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.40	1.212	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.65	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.65	1.209	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.65	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.09	10.40	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.58	0.761	ok	0.757	0.697-0.817
Tetrachloroethylene	14.00	14.65	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.58	1.070	ok	1.066	1.006-1.126
Toluene	12.87	10.40	1.238	ok	1.236	1.176-1.296
Trichloroethylene	11.08	10.40	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.75	8.58	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.58	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.76	8.58	0.904	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.65	1.042	ok	1.042	0.982-1.102
o-Xylene	15.77	14.65	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.58	ok	8.60	8.27-8.93	72731	ok	78727	47236-110218
1,4-Difluorobenzene	10.40	ok	10.42	10.09-10.75	309052	ok	335978	201587-470369
Chlorobenzene-D5	14.65	ok	14.66	14.33-14.99	257665	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.63	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.58	8.63	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.10	10.45	1.062	ok	1.063	1.003-1.123
Bromoform	15.41	14.68	1.050	ok	1.049	0.989-1.109
Bromomethane	4.85	8.63	0.562	ok	0.563	0.503-0.623
Bromoethene	5.38	8.63	0.623	ok	0.623	0.563-0.683
Benzyl Chloride	17.90	14.68	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.63	0.582	ok	0.582	0.522-0.642
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.63	0.489	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.63	1.189	ok	1.191	1.131-1.251
Cyclohexane	10.37	10.45	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.16	10.45	1.068	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.63	0.470	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.63	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.45	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.193	1.133-1.253
Ethanol	5.18	8.63	0.600	ok	0.601	0.541-0.661
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.63	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.18	14.68	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.63	0.501	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.416	1.356-1.476
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.68	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.63	0.686	ok	0.686	0.626-0.746
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.99	10.45	1.147	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.897	0.837-0.957
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.63	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.63	0.462	ok	0.464	0.404-0.524
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.63	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.68	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.68	1.381	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.68	1.176	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.52	8.63	0.756	ok	0.757	0.697-0.817
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.63	1.063	ok	1.066	1.006-1.126
Toluene	12.89	10.45	1.233	ok	1.236	1.176-1.296
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.904	0.844-0.964
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.60	8.27-8.93	78991	ok	78727	47236-110218
1,4-Difluorobenzene	10.45	ok	10.42	10.09-10.75	331420	ok	335978	201587-470369
Chlorobenzene-D5	14.68	ok	14.66	14.33-14.99	309562	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.655	0.595-0.715
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.063	1.003-1.123
Bromoform	15.38	14.67	1.048	ok	1.049	0.989-1.109
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.582	0.522-0.642
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.191	1.131-1.251
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.67	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.44	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.193	1.133-1.253
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.67	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.62	0.789	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.18	14.67	0.898	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropyl Alcohol	5.97	8.62	0.693	ok	0.686	0.626-0.746
Methylene chloride	6.55	8.62	0.760	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.10	8.62	0.940	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.01	10.44	1.150	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.76	8.62	0.900	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.15	8.62	0.713	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.67	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.11	10.44	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.757	0.697-0.817
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.62	1.071	ok	1.066	1.006-1.126
Toluene	12.88	10.44	1.234	ok	1.236	1.176-1.296
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.62	0.906	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.67	1.041	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.60	8.27-8.93	76765	ok	78727	47236-110218
1,4-Difluorobenzene	10.44	ok	10.42	10.09-10.75	323888	ok	335978	201587-470369
Chlorobenzene-D5	14.67	ok	14.66	14.33-14.99	262544	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.57	8.64	0.529	ok	0.529	0.469-0.589
Benzene	10.16	10.48	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.48	1.061	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.64	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.64	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.03	14.72	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.48	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.45	8.64	0.747	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.48	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.48	1.064	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.48	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.48	1.190	ok	1.191	1.131-1.251
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.48	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.48	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.48	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.48	1.067	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.48	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.16	10.48	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	107743	ok	100575	60345-140805
1,4-Difluorobenzene	10.48	ok	10.47	10.14-10.80	556736	ok	517090	310254-723926
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	479078	ok	450136	270082-630190

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.57	8.64	0.529	ok	0.529	0.469-0.589
Benzene	10.16	10.47	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.64	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.487	0.427-0.547
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.47	1.065	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.64	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.56	8.64	0.759	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.64	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.33	14.72	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.64	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.08	14.72	0.957	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.64	1.060	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.16	10.47	1.066	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	102404	ok	100575	60345-140805
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	539625	ok	517090	310254-723926
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	456578	ok	450136	270082-630190

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.57	8.64	0.529	ok	0.529	0.469-0.589
Benzene	10.17	10.47	0.971	ok	0.970	0.910-1.030
Bromodichloromethane	11.13	10.47	1.063	ok	1.062	1.002-1.122
Bromoform	15.43	14.72	1.048	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.64	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.77	8.64	1.015	ok	1.014	0.954-1.074
Chloromethane	4.21	8.64	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.42	10.47	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.64	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.47	1.067	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.49	8.64	0.983	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.04	14.72	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.191	1.131-1.251
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.17	14.72	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.56	8.64	0.759	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.64	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	12.00	10.47	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.73	8.64	0.895	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.82	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.64	0.748	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.64	1.061	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.16	10.47	1.066	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.33	14.72	1.041	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	92662	ok	100575	60345-140805
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	478746	ok	517090	310254-723926
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	399844	ok	450136	270082-630190

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	Reporting this level
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.64	0.528	ok	0.529	0.469-0.589
Benzene	10.17	10.47	0.971	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.64	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.77	8.64	1.015	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.487	0.427-0.547
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.47	1.064	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.191	1.131-1.251
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	Reporting this level
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.16	10.47	1.066	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	94169	ok	100575	60345-140805
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	487039	ok	517090	310254-723926
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	430357	ok	450136	270082-630190

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.57	8.64	0.529	ok	0.529	0.469-0.589
Benzene	10.16	10.47	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.85	8.64	0.561	ok	0.560	0.500-0.620
Bromoethene	5.38	8.64	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.64	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.47	1.065	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.05	8.64	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.191	1.131-1.251
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.14	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.72	1.170	ok	1.170	1.110-1.230
Freon 113	6.82	8.64	0.789	ok	0.788	0.728-0.848
Freon 114	4.31	8.64	0.499	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

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MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.33	14.72	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.16	10.47	1.066	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	93603	ok	100575	60345-140805
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	486044	ok	517090	310254-723926
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	400541	ok	450136	270082-630190

Initial Calibration Retention Time/Internal Standard Area Summary

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MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.65	0.647	ok	0.649	0.589-0.709
1,3-Butadiene	4.57	8.65	0.528	ok	0.529	0.469-0.589
Benzene	10.16	10.48	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.48	1.061	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.65	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.65	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.65	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.65	0.579	ok	0.580	0.520-0.640
Chloroform	8.76	8.65	1.013	ok	1.014	0.954-1.074
Chloromethane	4.20	8.65	0.486	ok	0.487	0.427-0.547
3-Chloropropene	6.67	8.65	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.65	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.48	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.65	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.65	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.65	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.48	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.48	1.063	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.65	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.65	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.65	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.48	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.48	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.65	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.65	1.002	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.65	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.65	0.497	ok	0.498	0.438-0.558
Heptane	11.42	10.48	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.65	1.003	ok	1.004	0.944-1.064

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MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	Reporting this level
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.65	0.674	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.65	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.65	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.48	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.65	0.892	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.65	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.65	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.65	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.48	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.48	1.067	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.65	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.65	1.058	ok	1.059	0.999-1.119
Toluene	12.94	10.48	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.16	10.48	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.65	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.65	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.65	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.65	ok	8.64	8.31-8.97	100451	ok	100575	60345-140805
1,4-Difluorobenzene	10.48	ok	10.47	10.14-10.80	509190	ok	517090	310254-723926
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	461904	ok	450136	270082-630190

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MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.64	0.647	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.64	0.528	ok	0.529	0.469-0.589
Benzene	10.16	10.48	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.48	1.061	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.64	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.64	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.30	8.64	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.48	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.48	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.48	1.063	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.48	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.48	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.64	0.589	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.48	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ177-IC177	Q3287.D	04/26/07 16:15	PB	2	GCMSQ	TO-15	
MSQ177-IC177	Q3288.D	04/26/07 17:04	PB	.5	GCMSQ	TO-15	
MSQ177-IC177	Q3289.D	04/26/07 17:42	PB	.2	GCMSQ	TO-15	
MSQ177-IC177	Q3290.D	04/26/07 18:32	PB	10	GCMSQ	TO-15	
MSQ177-ICC177	Q3291.D	04/27/07 09:55	PB	5	GCMSQ	TO-15	
MSQ177-IC177	Q3292.D	04/27/07 11:23	PB	20	GCMSQ	TO-15	
MSQ177-IC177	Q3293.D	04/27/07 13:39	PB	40	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.64	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.48	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.64	0.892	ok	0.893	0.833-0.953
Nonane	16.05	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.73	14.72	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.84	14.72	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.48	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.48	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.64	0.744	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.64	1.058	ok	1.059	0.999-1.119
Toluene	12.94	10.48	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.16	10.48	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.64	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.35	14.72	1.043	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	112992	ok	100575	60345-140805
1,4-Difluorobenzene	10.48	ok	10.47	10.14-10.80	562247	ok	517090	310254-723926
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	522648	ok	450136	270082-630190

Volatile Surrogate Recovery Summary

Job Number: M64318
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M64318-1	J10178.D	85.0
M64318-2	Q3321.D	97.0
M64241-1DUP	J10172.D	84.0
M64265-2DUP	Q3316.D	95.0
MSJ526-BS	J10166A.D	99.0
MSJ526-MB	J10168.D	87.0
MSQ179-BS	Q3312A.D	104.0
MSQ179-MB	Q3313.D	94.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	57-139%

Initial Calibration Summary

Job Number: M64318 **Sample:** MSJ525-ICC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10138.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

```
Method       : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Calibration Files
40  =J10143.D    20  =J10137.D    10  =J10138.D    5   =J10139.D
2   =J10140.D    .5  =J10141.D    .2  =J10144.D    4   =J10094.D

 Compound         40    20    10    5     2     .5    .2    4     Avg %RSD
-------------------------------------------------------------------------------

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2) DICHLORODIFL 3.750 3.538 3.949 3.969 4.279 4.038 4.243       3.967   6.59
3) PROPYLENE    0.498 0.519 0.555 0.535 0.584 0.445 0.216       0.479  25.87
4) FREON 114    3.015 2.861 3.101 3.031 3.501 3.228 3.554       3.184   8.13
5) CHLOROMETHAN 0.649 0.669 0.740 0.698 0.772 0.365 0.179       0.582  38.18
            ----- Linear regression -----  Coefficient =  0.9986
              Response Ratio = 0.02102 + 0.65030 *A

6) VINYL CHLORI 0.823 0.834 0.899 0.855 0.934 0.796 0.511       0.808  17.18
7) 1,3-BUTADIEN 0.617 0.595 0.613 0.599 0.643 0.219 0.315       0.514  33.45
            ----- Linear regression -----  Coefficient =  0.9997
              Response Ratio = -0.01023 + 0.61627 *A

8) BROMOMETHANE 0.983 0.963 1.019 0.992 1.115 0.979 0.754       0.972  11.17
9) CHLOROETHANE 0.390 0.390 0.403 0.378 0.447 0.251 0.062       0.332  40.19
            ----- Linear regression -----  Coefficient =  0.9998
              Response Ratio = 0.00001 + 0.39087 *A

10) TRICHLOROFLU 3.855 3.438 3.738 3.707 4.457 4.094 4.539      3.975  10.25
11) ISOPROPYL AL 1.088 0.978 0.986 0.903 1.322 0.979 1.053      1.044  13.05
12) ACETONE      1.049 0.900 0.912 0.888 1.366 1.107 1.632      1.122  25.04
13) PENTANE      0.665 0.643 0.678 0.647 0.776 0.633 0.533      0.654  10.94
14) 1,1-DICHLORO 0.936 0.909 0.931 0.886 0.982 0.781 0.724      0.878  10.49
15) CARBON DISUL 2.504 2.431 2.632 2.514 2.903 2.645 3.172      2.686   9.80
16) ETHANOL      0.161 0.147 0.153 0.125 0.212 0.027            0.138  44.55
            ----- Linear regression -----  Coefficient =  0.9968
              Response Ratio = -0.00788 + 0.16084 *A

17) BROMOETHENE  1.012 0.970 1.011 0.945 1.065 0.842 0.285      0.876  30.82
            ----- Linear regression -----  Coefficient =  0.9995
              Response Ratio = -0.01520 + 1.00872 *A

18) METHYLENE CH 0.820 0.809 0.814 0.778 1.466 1.972 2.969      1.375  60.88
            ----- Linear regression -----  Coefficient =  0.9983
              Response Ratio = 0.04600 + 0.80185 *A

19) 3-CHLOROPROP 0.801 0.722 0.704 0.625 0.824 0.621 0.074      0.624  40.80
            ----- Linear regression -----  Coefficient =  0.9971
              Response Ratio = -0.04695 + 0.79670 *A

20) FREON 113    2.067 1.885 1.923 1.853 2.398 2.052 2.068      2.035   9.02
21) TRANS-1,2-DI 0.958 0.909 0.921 0.846 1.065 0.848 0.754      0.900  10.91
22) TERTIARY BUT 1.691 1.433 1.436 1.319 1.696 1.277 0.811      1.381  21.74
23) METHYL TERTI 2.229 1.872 1.889 1.804 2.287 1.802 1.620      1.929  12.53
24) TETRAHYDROFU 0.594 0.523 0.508 0.460 0.577 0.248 0.102      0.430  42.99
            ----- Linear regression -----  Coefficient =  0.9961
```

Initial Calibration Summary

Job Number: M64318 **Sample:** MSJ525-ICC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10138.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Ratio = -0.04274 + 0.59085 *A

25)	HEXANE	1.014	0.913	0.921	0.921	1.452	1.242	1.348	1.116	20.37
26)	VINYL ACETAT	1.385	1.145	1.114	1.084	1.366	0.948	0.677	1.103	22.10
27)	1,1-DICHLORO	1.614	1.486	1.459	1.373	1.760	1.496	1.329	1.502	9.73
28)	METHYL ETHYL	1.140	0.978	0.996	0.922	1.329	0.972	1.222	1.080	14.14
29)	cis-1,2-DICH	0.983	0.891	0.877	0.800	0.997	0.834	0.748	0.876	10.44
30)	ETHYL ACETAT	1.271	1.054	1.065	0.979	1.356	1.026	1.025	1.111	12.89
31)	CHLOROFORM	2.449	2.130	2.150	2.040	2.688	2.251	2.218	2.275	9.78
32)	1,1,1-TRICHL	2.977	2.606	2.594	2.420	3.219	2.666	2.693	2.739	9.82
33)	CARBON TETRA	3.669	3.150	3.230	3.193	3.998	3.484	3.490	3.459	8.80
34)	1,2-DICHLORO	1.518	1.233	1.236	1.180	1.589	1.145	1.324	1.318	13.00
35)	I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)	BENZENE	0.571	0.481	0.447	0.418	0.579	0.411	0.464	0.481	14.18
37)	CYCLOHEXANE	0.256	0.233	0.230	0.213	0.258	0.174	0.127	0.213	22.24
38)	TRICHLOROETH	0.325	0.251	0.251	0.238	0.317	0.241	0.252	0.268	13.77
39)	1,2-DICHLORO	0.185	0.152	0.146	0.140	0.194	0.121	0.122	0.152	18.91
40)	BROMODICHLOR	0.574	0.449	0.443	0.435	0.603	0.450	0.489	0.492	14.01
41)	2,2,4-TRIMET	0.933	0.818	0.763	0.679	0.890	0.605	0.593	0.755	17.82
42)	1,4-DIOXANE	0.108	0.090	0.086	0.060	0.115			0.092	23.32
43)	HEPTANE	0.269	0.224	0.217	0.200	0.253	0.157	0.123	0.206	24.94
44)	METHYL ISOBU	0.355	0.285	0.268	0.231	0.374	0.199	0.279	0.284	21.96
45)	cis-1,3-DICH	0.344	0.268	0.263	0.234	0.313	0.182	0.212	0.260	21.61
46)	TOLUENE	0.430	0.333	0.324	0.299	0.393	0.252	0.241	0.325	21.33
47)	trans-1,3-DI	0.310	0.238	0.229	0.198	0.265	0.140	0.120	0.214	31.44

----- Quadratic regression ----- Coefficient = 0.9995
Response Ratio = 0.00560 + 0.17438 *A + 0.03342 *A^2

48)	1,1,2-TRICHL	0.211	0.167	0.164	0.152	0.213	0.146	0.133	0.169	18.42
49)	I CHLOROBENZENE-D5	----------ISTD----------								
50)	2-HEXANONE	0.323	0.273	0.250	0.222	0.401	0.195	0.352	0.288	25.72
51)	TETRACHLOROE	0.423	0.333	0.326	0.315	0.424	0.335	0.342	0.357	12.98
52)	DIBROMOCHLOR	0.664	0.529	0.536	0.516	0.699	0.538	0.647	0.590	13.02
53)	1,2-DIBROMOE	0.466	0.372	0.368	0.344	0.486	0.340	0.439	0.402	14.99
54)	CHLOROBENZEN	0.666	0.544	0.548	0.520	0.697	0.518	0.658	0.593	13.03
55)	ETHYLBENZENE	1.077	0.876	0.865	0.807	1.034	0.606	0.694	0.851	19.90
56)	m,p-XYLENE	0.445	0.350	0.341	0.321	0.422	0.249	0.264	0.342	21.42
57)	o-XYLENE	0.463	0.357	0.345	0.311	0.419	0.219	0.246	0.337	25.99
58)	STYRENE	0.658	0.527	0.485	0.406	0.569	0.270	0.329	0.463	29.53
59)	NONANE	0.439	0.361	0.349	0.310	0.446	0.233	0.168	0.329	30.98

----- Quadratic regression ----- Coefficient = 0.9995
Response Ratio = 0.00760 + 0.28988 *A + 0.03656 *A^2

60)	BROMOFORM	0.709	0.548	0.540	0.498	0.760	0.510	0.715	0.612	18.23
61)	4-BROMOFLUOR	0.746	0.671	0.624	0.593	0.645	0.572	0.544	0.628	10.79
62)	1,1,2,2-TETR	0.625	0.495	0.469	0.422	0.739	0.480	0.651	0.554	21.09
63)	ISOPROPYLBEN	1.369	1.065	1.031	0.940	1.292	0.762	0.831	1.042	21.59
64)	2-CHLOROTOLU	0.956	0.743	0.696	0.622	0.927	0.490	0.674	0.730	22.66
65)	4-ETHYLTOLUE	1.185	0.903	0.829	0.714	1.106	0.588	0.640	0.852	26.76
66)	1,3,5-TRIMET	1.154	0.873	0.803	0.721	1.171	0.588	0.735	0.864	25.69
67)	1,2,4-TRIMET	1.101	0.828	0.748	0.652	1.090	0.497	0.717	0.805	27.73
68)	m-DICHLOROBE	0.777	0.580	0.536	0.471	0.839	0.465	0.842	0.644	26.32
69)	BENZYL CHLOR	0.703	0.527	0.477	0.394	0.736	0.389	0.590	0.545	25.47
70)	p-DICHLOROBE	0.733	0.558	0.516	0.428	0.789	0.452	0.871	0.621	28.18
71)	o-DICHLOROBE	0.692	0.522	0.466	0.408	0.806	0.488	0.875	0.608	30.00

----- Quadratic regression ----- Coefficient = 0.9992
Response Ratio = 0.03081 + 0.33905 *A + 0.08613 *A^2

Initial Calibration Summary

Job Number: M64318 **Sample:** MSJ525-ICC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10138.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
72) HEXACHLOROBU 0.409 0.286 0.281 0.276 1.214 0.895 1.228       0.656  67.63
73) 1,2,4-TRICHL 0.250 0.205 0.186 0.157 0.650 0.437 0.964       0.407  74.15
         ----- Quadratic regression -----                Coefficient =  0.9916
              Response Ratio = 0.03523 + 0.12887 *A + 0.02808 *A^2

74) NAPHTHALENE                                                  0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J042607T.M        Fri Apr 27 14:23:00 2007
```

5.8

5

Initial Calibration Verification

Job Number: M64318 **Sample:** MSJ525-ICV525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10146.D Vial: 2
Acq On : 27 Apr 2007 10:50 am Operator: danat
Sample : ICV525-10 (M050) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.02	8.62
2 m	DICHLORODIFLUOROMETHANE	3.967	3.342	15.8	84	0.00	4.06
3 m	PROPYLENE	0.479	0.425	11.3	76	0.00	3.99
4 m	FREON 114	3.184	2.652	16.7	85	0.00	4.32
	----------	True	Calc.	% Drift	----------		
5 m	CHLOROMETHANE	10.000	8.529	14.7	78	0.01	4.23
	----------	AvgRF	CCRF	% Dev	----------		
6 m	VINYL CHLORIDE	0.808	0.743	8.0	82	0.00	4.44
	----------	True	Calc.	% Drift	----------		
7 m	1,3-BUTADIENE	10.000	9.055	9.5	89	0.01	4.58
	----------	AvgRF	CCRF	% Dev	----------		
8 m	BROMOMETHANE	0.972	0.883	9.2	86	0.02	4.86
	----------	True	Calc.	% Drift	----------		
9 m	CHLOROETHANE	10.000	8.797	12.0	85	0.02	5.02
	----------	AvgRF	CCRF	% Dev	----------		
10 m	TRICHLOROFLUOROMETHANE	3.975	3.462	12.9	92	0.02	5.79
11 m	ISOPROPYL ALCOHOL	1.044	0.833	20.2	84	0.03	5.91
12 m	ACETONE	1.122	0.861	23.3	94	0.02	5.64
13 m	PENTANE	0.654	0.569	13.0	83	0.02	6.13
14 m	1,1-DICHLOROETHYLENE	0.878	0.858	2.3	92	0.02	6.42
15 m	CARBON DISULFIDE	2.686	2.322	13.6	88	0.02	6.84
	----------	True	Calc.	% Drift	----------		
16 m	ETHANOL	10.000	8.616	13.8	85	0.03	5.18
17 m	BROMOETHENE	10.000	8.936	10.6	87	0.02	5.38
18 m	METHYLENE CHLORIDE	10.000	8.664	13.4	91	0.02	6.54
19 m	3-CHLOROPROPENE	10.000	8.173	18.3	85	0.03	6.66
	----------	AvgRF	CCRF	% Dev	----------		
20 m	FREON 113	2.035	1.828	10.2	95	0.02	6.79
21 m	TRANS-1,2-DICHLOROETHYLEN	0.900	0.824	8.4	89	0.02	7.45
22 m	TERTIARY BUTYL ALCOHOL	1.381	1.290	6.6	89	0.03	6.51
23 m	METHYL TERTIARY BUTYL ETH	1.929	1.811	6.1	95	0.02	7.72
	----------	True	Calc.	% Drift	----------		
24 m	TETRAHYDROFURAN	10.000	8.602	14.0	91	0.02	9.17

Initial Calibration Verification

Job Number: M64318 **Sample:** MSJ525-ICV525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

			AvgRF	CCRF	% Dev			
25	m	HEXANE	1.116	0.870	22.0	94	0.02	8.63
26	m	VINYL ACETATE	1.103	0.989	10.3	88	0.02	7.79
27	m	1,1-DICHLOROETHANE	1.502	1.363	9.3	93	0.02	7.65
28	m	METHYL ETHYL KETONE	1.080	0.906	16.1	91	0.02	8.06
29	m	cis-1,2-DICHLOROETHYLENE	0.876	0.789	9.9	90	0.02	8.46
30	m	ETHYL ACETATE	1.111	1.014	8.7	95	0.02	8.68
31	m	CHLOROFORM	2.275	2.051	9.8	95	0.02	8.74
32	m	1,1,1-TRICHLOROETHANE	2.739	2.418	11.7	93	0.02	9.68
33	m	CARBON TETRACHLORIDE	3.459	3.106	10.2	96	0.01	10.25
34	m	1,2-DICHLOROETHANE	1.318	1.155	12.4	93	0.02	9.45
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	95	0.02	10.44
36	m	BENZENE	0.481	0.431	10.4	91	0.02	10.12
37	m	CYCLOHEXANE	0.213	0.218	-2.3	90	0.02	10.37
38	m	TRICHLOROETHYLENE	0.268	0.245	8.6	93	0.02	11.11
39	m	1,2-DICHLOROPROPANE	0.152	0.138	9.2	90	0.02	10.90
40	m	BROMODICHLOROMETHANE	0.492	0.455	7.5	98	0.02	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.755	0.703	6.9	87	0.02	11.12
42	m	1,4-DIOXANE	0.092	0.078	15.2	86	0.02	11.16
43	m	HEPTANE	0.206	0.211	-2.4	92	0.02	11.36
44	m	METHYL ISOBUTYL KETONE	0.284	0.260	8.5	92	0.01	11.98
45	m	cis-1,3-DICHLOROPROPENE	0.260	0.222	14.6	80	0.01	11.93
46	m	TOLUENE	0.325	0.309	4.9	90	0.01	12.89
			True	Calc.	% Drift			
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.482	5.2	83	0.01	12.44
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.169	0.152	10.1	88	0.01	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	14.67
50	m	2-HEXANONE	0.288	0.222	22.9	86	0.01	13.15
51	m	TETRACHLOROETHYLENE	0.357	0.319	10.6	95	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.590	0.523	11.4	95	0.01	13.32
53	m	1,2-DIBROMOETHANE	0.402	0.315	21.6	83	0.01	13.57
54	m	CHLOROBENZENE	0.519	0.482	7.1	86	0.01	14.72
55	m	ETHYLBENZENE	0.851	0.835	1.9	94	0.00	15.09
56	m	m,p-XYLENE	0.342	0.319	6.7	91	0.00	15.28
57	m	o-XYLENE	0.337	0.334	0.9	94	0.00	15.78
58	m	STYRENE	0.463	0.380	17.9	76	0.00	15.66
			True	Calc.	% Drift			
59	m	NONANE	10.000	9.954	0.5	93	0.00	15.97
			AvgRF	CCRF	% Dev			
60	m	BROMOFORM	0.612	0.529	13.6	95	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.549	0.669	-21.9	104	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.554	0.446	19.5	93	0.00	15.79
63	m	ISOPROPYLBENZENE	1.042	1.005	3.6	95	0.00	16.43
64	m	2-CHLOROTOLUENE	0.730	0.662	9.3	93	0.00	16.98
65	m	4-ETHYLTOLUENE	0.852	0.812	4.7	95	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	0.864	0.801	7.3	97	0.00	17.25
67	m	1,2,4-TRIMETHYLBENZENE	0.805	0.697	13.4	91	0.00	17.72
68	m	m-DICHLOROBENZENE	0.644	0.394	38.8#	72	0.00	17.91
69	m	BENZYL CHLORIDE	0.545	0.319	41.5#	65	0.00	17.88
70	m	p-DICHLOROBENZENE	0.621	0.330	46.9#	62	0.00	17.98
			True	Calc.	% Drift			

Initial Calibration Verification

Job Number: M64318 **Sample:** MSJ525-ICV525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
71 m   o-DICHLOROBENZENE          10.000   8.588     14.1   81   0.00   18.37

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE         0.656   0.284     56.7#  99   0.00   20.76

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE     10.000   3.615     63.8#  45   0.00   20.27

           ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                         ----------NA----------
-------------------------------------------------------------------------------

 (  7.1 %)  5 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10138.D   J042607T.M       Fri Apr 27 14:22:26 2007
```

Continuing Calibration Summary

Job Number: M64318 **Sample:** MSJ526-CC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10166.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\J10166.D                    Vial: 2
Acq On    : 30 Apr 2007  10:12 am                    Operator: danat
Sample    : CC525-10 (M050)                          Inst    : MSJ
Misc      : MS13445, MSJ526,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  40%  Max. R.T. Dev  0.33min
Max. RRF Dev :  30%     Max. Rel. Area : 180%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	102	0.06	8.66
2	m	DICHLORODIFLUOROMETHANE	3.967	3.384	14.7	87	0.02	4.08
3	m	PROPYLENE	0.479	0.446	6.9	82	0.02	4.00
4	m	FREON 114	3.184	2.812	11.7	92	0.03	4.34
		----------	True	Calc.	% Drift		----------	
5	m	CHLOROMETHANE	10.000	9.115	8.8	85	0.03	4.25
		----------	AvgRF	CCRF	% Dev		----------	
6	m	VINYL CHLORIDE	0.808	0.769	4.8	87	0.03	4.46
		----------	True	Calc.	% Drift		----------	
7	m	1,3-BUTADIENE	10.000	9.895	1.1	100	0.03	4.60
		----------	AvgRF	CCRF	% Dev		----------	
8	m	BROMOMETHANE	0.972	0.951	2.2	95	0.04	4.88
		----------	True	Calc.	% Drift		----------	
9	m	CHLOROETHANE	10.000	9.322	6.8	92	0.05	5.05
		----------	AvgRF	CCRF	% Dev		----------	
10	m	TRICHLOROFLUOROMETHANE	3.975	3.654	8.1	100	0.04	5.81
11	m	ISOPROPYL ALCOHOL		----------NA----------				
12	m	ACETONE	1.122	0.903	19.5	101	0.09	5.72
13	m	PENTANE	0.654	0.694	-6.1	104	0.04	6.16
14	m	1,1-DICHLOROETHYLENE	0.878	0.906	-3.2	99	0.05	6.45
15	m	CARBON DISULFIDE	2.686	2.563	4.6	99	0.05	6.87
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	0.851	91.5#	4	0.22	5.37
17	m	BROMOETHENE	10.000	9.369	6.3	94	0.04	5.40
18	m	METHYLENE CHLORIDE	10.000	9.136	8.6	97	0.05	6.57
19	m	3-CHLOROPROPENE	10.000	8.985	10.2	97	0.06	6.69
		----------	AvgRF	CCRF	% Dev		----------	
20	m	FREON 113	2.035	1.962	3.6	104	0.05	6.82
21	m	TRANS-1,2-DICHLOROETHYLEN	0.900	0.818	9.1	90	0.05	7.48
22	m	TERTIARY BUTYL ALCOHOL	1.381	0.069	95.0#	5#	-0.03	6.45
23	m	METHYL TERTIARY BUTYL ETH	1.929	1.875	2.8	101	0.08	7.78
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	8.894	11.1	97	0.10	9.24

Continuing Calibration Summary

Job Number: M64318 **Sample:** MSJ526-CC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10166.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

			AvgRF	CCRF	% Dev			
25	m	HEXANE	1.116	0.939	15.9	104	0.05	8.66
26	m	VINYL ACETATE	1.103	1.090	1.2	100	0.08	7.85
27	m	1,1-DICHLOROETHANE	1.502	1.418	5.6	99	0.05	7.69
28	m	METHYL ETHYL KETONE	1.080	0.926	14.3	95	0.13	8.17
29	m	cis-1,2-DICHLOROETHYLENE	0.876	0.768	12.3	89	0.05	8.49
30	m	ETHYL ACETATE	1.111	1.081	2.7	103	0.10	8.76
31	m	CHLOROFORM	2.275	2.144	5.8	102	0.07	8.79
32	m	1,1,1-TRICHLOROETHANE	2.739	2.547	7.0	100	0.05	9.71
33	m	CARBON TETRACHLORIDE	3.459	3.361	2.8	106	0.04	10.28
34	m	1,2-DICHLOROETHANE	1.318	1.222	7.3	101	0.07	9.49
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	110	0.06	10.48
36	m	BENZENE	0.481	0.407	15.4	101	0.05	10.15
37	m	CYCLOHEXANE	0.213	0.215	-0.9	103	0.04	10.39
38	m	TRICHLOROETHYLENE	0.268	0.242	9.7	107	0.06	11.15
39	m	1,2-DICHLOROPROPANE	0.152	0.134	11.8	102	0.06	10.94
40	m	BROMODICHLOROMETHANE	0.492	0.447	9.1	112	0.06	11.13
41	m	2,2,4-TRIMETHYLPENTANE	0.755	0.678	10.2	98	0.05	11.15
42	m	1,4-DIOXANE	0.092	0.064	30.4#	83	0.12	11.26
43	m	HEPTANE	0.206	0.216	-4.9	110	0.04	11.38
44	m	METHYL ISOBUTYL KETONE	0.284	0.239	15.8	99	0.12	12.08
45	m	cis-1,3-DICHLOROPROPENE	0.260	0.206	20.8	87	0.06	11.98
46	m	TOLUENE	0.325	0.310	4.6	106	0.05	12.92
			True	Calc.	% Drift			
47	m	trans-1,3-DICHLOROPROPENE	10.000	8.641	13.6	88	0.06	12.49
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.169	0.155	8.3	104	0.06	12.67
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	117	0.04	14.70
50	m	2-HEXANONE	0.288	0.188	34.7#	88	0.13	13.27
51	m	TETRACHLOROETHYLENE	0.357	0.315	11.8	112	0.03	14.04
52	m	DIBROMOCHLOROMETHANE	0.590	0.508	13.9	111	0.06	13.37
53	m	1,2-DIBROMOETHANE	0.402	0.297	26.1	94	0.06	13.62
54	m	CHLOROBENZENE	0.519	0.471	9.2	100	0.05	14.75
55	m	ETHYLBENZENE	0.851	0.802	5.8	108	0.05	15.13
56	m	m,p-XYLENE	0.342	0.320	6.4	110	0.04	15.32
57	m	o-XYLENE	0.337	0.330	2.1	112	0.05	15.82
58	m	STYRENE	0.463	0.356	23.1	86	0.05	15.71
			True	Calc.	% Drift			
59	m	NONANE	10.000	10.192	-1.9	114	0.03	16.00
			AvgRF	CCRF	% Dev			
60	m	BROMOFORM	0.612	0.498	18.6	107	0.07	15.46
61	S	4-BROMOFLUOROBENZENE	0.549	0.619	-12.8	116	0.04	16.33
62	m	1,1,2,2-TETRACHLOROETHANE	0.554	0.438	20.9	109	0.07	15.86
63	m	ISOPROPYLBENZENE	1.042	0.985	5.5	111	0.04	16.47
64	m	2-CHLOROTOLUENE	0.730	0.646	11.5	108	0.04	17.01
65	m	4-ETHYLTOLUENE	0.852	0.819	3.9	115	0.04	17.20
66	m	1,3,5-TRIMETHYLBENZENE	0.864	0.788	8.8	115	0.04	17.29
67	m	1,2,4-TRIMETHYLBENZENE	0.805	0.667	17.1	104	0.04	17.75
68	m	m-DICHLOROBENZENE	0.644	0.365	43.3#	80	0.03	17.94
69	m	BENZYL CHLORIDE	0.545	0.259	52.5#	63	0.04	17.92
70	m	p-DICHLOROBENZENE	0.621	0.296	52.3#	67	0.03	18.01
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: M64318 **Sample:** MSJ526-CC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10166.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
71 m   o-DICHLOROBENZENE          10.000   8.012     19.9   90   0.03   18.39

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE         0.656   0.242     63.1# 101   0.00   20.77

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE     10.000   2.078     79.2#  40   0.01   20.29

           ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

 ( 13.0 %)  9 of  69 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10138.D   J042607T.M       Mon Apr 30 14:44:21 2007
```

Initial Calibration Summary

Job Number: M64318 **Sample:** MSQ177-ICC177
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3291.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
                         Response Factor Report  MAMSQ

 Method       : C:\msdchem\1\METHODS\Q042607T.m (RTE Integrator)
 Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
 Last Update  : Fri Apr 27 14:11:46 2007
 Response via : Initial Calibration

 Calibration Files
 .2     =Q3289.D      .5     =Q3288.D      2      =Q3287.D
 5    =Q3291.D     10   =Q3290.D     20   =Q3292.D     40   =Q3293.D

     Compound           .2    .5    2     5     10    20    40     Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
 2)m DICHLORODIFLUOROM 0.619 1.382 0.750 0.607 0.481 0.549 0.573 0.709 E1  43.49
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9969
              Response Ratio = 0.03917 + 5.63275 *A

 3)m PROPYLENE         1.587 3.598 1.972 1.615 1.381 1.532 1.450 1.876  41.69
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9986
              Response Ratio = 0.06547 + 1.44159 *A

 4)m FREON 114         0.466 1.309 0.746 0.574 0.486 0.512 0.537 0.661 E1  45.40
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9979
              Response Ratio = 0.10675 + 5.26901 *A

 5)m CHLOROMETHANE     1.557 4.354 2.427 1.971 1.671 1.729 1.653 2.195  45.40
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9991
              Response Ratio = 0.10981 + 1.63343 *A

 6)m VINYL CHLORIDE    1.494 4.620 2.633 2.065 1.710 1.842 1.793 2.308  46.85
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9988
              Response Ratio = 0.08969 + 1.77060 *A

 7)m 1,3-BUTADIENE     1.694 3.560 2.182 1.801 1.663 1.662 1.535 2.014  35.37
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9985
              Response Ratio = 0.11569 + 1.52690 *A

 8)m BROMOMETHANE      1.244 3.714 2.318 1.721 1.485 1.597 1.668 1.964  42.68
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9979
              Response Ratio = 0.01889 + 1.64164 *A

 9)m CHLOROETHANE      0.365 1.390 1.087 0.852 0.766 0.788 0.818 0.867  36.27
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9989
              Response Ratio = 0.00817 + 0.80791 *A

10)m TRICHLOROFLUOROME 0.492 1.189 0.754 0.550 0.510 0.548 0.540 0.655 E1  38.35
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9991
              Response Ratio = 0.14563 + 5.35048 *A

11)m ISOPROPYL ALCOHOL 4.336 5.507 4.107 3.259 2.900 2.838 2.682 3.661  28.30
12)m ACETONE           7.882 4.904 3.789 2.872 2.611 2.484 2.411 3.850  51.73
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9996
              Response Ratio = 0.20222 + 2.36852 *A

13)m PENTANE           2.233 3.848 2.458 2.281 1.740 1.748 1.623 2.276  33.55
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9975
              Response Ratio = 0.16507 + 1.60141 *A
```

Initial Calibration Summary

Job Number: M64318 **Sample:** MSQ177-ICC177
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3291.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
14)m 1,1-DICHLOROETHYL 1.072 2.752 2.082 1.255 1.443 1.606 1.611 1.689  33.56
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9980
              Response Ratio = -0.02954 + 1.61000 *A

15)m CARBON DISULFIDE  4.588 8.834 6.346 4.706 4.441 4.815 4.668 5.486  29.37
16)m ETHANOL           1.112 1.044 0.756 0.589 0.501 0.517 0.483 0.714  37.14
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9988
              Response Ratio = 0.03917 + 0.47771 *A

17)m BROMOETHENE       1.066 3.101 2.046 1.470 1.344 1.519 1.533 1.726  39.02
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9983
              Response Ratio = 0.00241 + 1.52067 *A

18)m METHYLENE CHLORID 9.360 2.932 2.126 1.386 1.365 1.411 1.492 2.867  101.84
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9972
              Response Ratio = 0.04227 + 1.45597 *A

19)m 3-CHLOROPROPENE   1.471 2.539 1.972 1.760 1.466 1.519 1.545 1.753  22.40
20)m FREON 113         2.978 2.394 3.216 1.591 2.239 2.512 2.655 2.512  21.01
21)m TRANS-1,2-DICHLOR 1.132 1.679 1.529 1.146 1.478 1.597 1.527 1.441  14.98
22)m TERTIARY BUTYL AL 3.011 5.849 4.796 3.309 3.432 3.381 3.350 3.875  26.91
23)m METHYL TERTIARY B 2.840 5.231 4.794 3.825 3.167 3.398 3.610 3.838  22.68
24)m TETRAHYDROFURAN   1.314 2.396 2.292 1.925 1.751 1.833 1.777 1.898  19.06
25)m HEXANE                  3.665 3.174 2.483 2.269 2.411 2.356 2.726  20.66
26)m VINYL ACETATE     3.459 5.178 5.076 4.141 3.764 3.674 3.897 4.170  16.47
27)m 1,1-DICHLOROETHAN 2.515 4.349 3.839 3.092 2.810 3.044 3.272 3.274  19.12
28)m METHYL ETHYL KETO 3.546 4.986 4.440 3.647 3.377 3.367 3.430 3.827  16.53
29)m cis-1,2-DICHLOROE 0.827 1.665 1.395 1.129 1.025 1.207 1.297 1.221  22.07
30)m ETHYL ACETATE     6.882 8.074 7.309 6.043 5.658 5.834 5.414 6.459  15.23
31)m CHLOROFORM        3.126 4.946 4.269 3.460 3.167 3.525 3.700 3.742  17.47
32)m 1,1,1-TRICHLOROET 2.614 4.713 4.061 3.186 2.953 3.300 3.622 3.493  20.32
33)m CARBON TETRACHLOR 2.763 4.861 4.182 3.351 3.252 3.560 3.933 3.700  18.64
34)m 1,2-DICHLOROETHAN 1.932 3.536 3.078 2.406 2.141 2.261 2.461 2.545  22.19

35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.556 1.023 0.930 0.725 0.636 0.712 0.843 0.775  21.31
37)m CYCLOHEXANE       0.213 0.447 0.367 0.309 0.272 0.302 0.320 0.319  23.08
38)m TRICHLOROETHYLENE 0.235 0.465 0.418 0.322 0.321 0.377 0.446 0.369  22.16
39)m 1,2-DICHLOROPROPA 0.218 0.443 0.392 0.320 0.278 0.307 0.342 0.329  22.43
40)m BROMODICHLOROMETH 0.450 0.831 0.772 0.607 0.569 0.663 0.762 0.665  20.08
41)m 2,2,4-TRIMETHYLPE 1.186 1.955 1.811 1.504 1.396 1.569 1.593 1.574  16.17
42)m 1,4-DIOXANE       0.067 0.148 0.142 0.111 0.104 0.127 0.145 0.121  24.01
43)m HEPTANE           0.478 0.799 0.739 0.630 0.605 0.628 0.634 0.645  15.85
44)m METHYL ISOBUTYL K 0.560 1.014 0.942 0.778 0.762 0.834 0.806 0.814  17.78
45)m cis-1,3-DICHLOROP 0.253 0.490 0.487 0.385 0.366 0.419 0.492 0.413  21.27
46)m TOLUENE           0.303 0.574 0.549 0.428 0.385 0.427 0.518 0.455  21.35
47)m trans-1,3-DICHLOR 0.186 0.358 0.341 0.255 0.256 0.284 0.327 0.287  21.02
48)m 1,1,2-TRICHLOROET 0.165 0.360 0.332 0.259 0.236 0.265 0.309 0.275  23.80

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.451 0.823 0.807 0.686 0.657 0.690 0.711 0.689  17.80
51)m TETRACHLOROETHYLE 0.154 0.346 0.305 0.241 0.226 0.287 0.394 0.279  28.76
52)m DIBROMOCHLOROMETH 0.293 0.612 0.602 0.485 0.439 0.493 0.662 0.512  24.57
53)m 1,2-DIBROMOETHANE 0.276 0.548 0.501 0.391 0.362 0.398 0.477 0.422  21.99
54)m CHLOROBENZENE     0.431 0.765 0.702 0.536 0.477 0.509 0.620 0.577  21.28
55)m ETHYLBENZENE      0.759 1.467 1.461 1.148 1.034 1.115 1.279 1.180  21.17
56)m m,p-XYLENE        0.221 0.487 0.474 0.386 0.349 0.384 0.459 0.394  23.45
57)m o-XYLENE          0.195 0.460 0.478 0.392 0.359 0.411 0.484 0.397  25.29
58)m STYRENE           0.225 0.515 0.557 0.432 0.424 0.467 0.546 0.452  25.04
59)m NONANE            0.625 1.310 1.253 1.053 0.958 0.973 0.914 1.012  22.52
```

Initial Calibration Summary

Job Number: M64318 **Sample:** MSQ177-ICC177
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3291.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
60)m BROMOFORM               0.356 0.395 0.315 0.295 0.375 0.512 0.375  20.47
61)S 4-BROMOFLUOROBENZ 0.760 0.789 0.820 0.816 0.922 0.926 0.917 0.850   8.23
62)m 1,1,2,2-TETRACHLO 0.427 0.920 0.867 0.710 0.708 0.798 0.863 0.756  21.92
63)m ISOPROPYLBENZENE  0.754 1.444 1.442 1.199 1.098 1.197 1.354 1.212  19.91
64)m 2-CHLOROTOLUENE   0.531 1.114 1.067 0.861 0.833 0.885 0.995 0.898  21.57
65)m 4-ETHYLTOLUENE    0.445 1.063 1.052 0.832 0.839 0.930 1.083 0.892  25.04
66)m 1,3,5-TRIMETHYLBE 0.505 1.078 1.115 0.888 0.858 0.951 1.056 0.922  22.57
67)m 1,2,4-TRIMETHYLBE 0.382 0.936 0.977 0.770 0.783 0.853 0.997 0.814  25.86
68)m m-DICHLOROBENZENE 0.167 0.363 0.370 0.260 0.290 0.314 0.398 0.309  25.59
69)m BENZYL CHLORIDE         0.339 0.406 0.314 0.360 0.401 0.473 0.382  14.92
70)m p-DICHLOROBENZENE       0.309 0.303 0.223 0.252 0.252 0.316 0.276  13.85
71)m o-DICHLOROBENZENE       0.357 0.358 0.264 0.280 0.319 0.387 0.328  14.69
72)m HEXACHLOROBUTADIE       0.143 0.128 0.059 0.096 0.129 0.175 0.122  32.70
         ----- Quadratic regression -----  Coefficient =  0.9989
              Response Ratio = 0.00017 + 0.07538 *A + 0.02504 *A^2

73)m 1,2,4-TRICHLOROBE       0.048 0.057 0.021 0.040 0.040 0.050 0.043  28.66
74)m NAPHTHALENE                                                 0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range

          Q042607T.m        Fri Apr 27 15:05:50 2007   RPT1
```

Initial Calibration Verification

Job Number: M64318 **Sample:** MSQ177-ICV177
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3294.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3294.D Vial: 2
Acq On : 27 Apr 2007 2:30 pm Operator: PhilipB
Sample : ICV177-40 (M070) Inst : MAMSQ
Misc : MS13369,MSQ177,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q042607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 14:11:46 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	121	0.00	8.44- 8.85
		True	Calc.	% Drift			
2 m	DICHLORODIFLUOROMETHAN	10.000	10.320	-3.2	147	0.00	3.83- 4.24
3 m	PROPYLENE	10.000	10.332	-3.3	136	0.00	3.76- 4.17
4 m	FREON 114	10.000	9.895	1.1	132	0.00	4.09- 4.50
5 m	CHLOROMETHANE	10.000	9.964	0.4	126	0.00	3.99- 4.40
6 m	VINYL CHLORIDE	10.000	9.901	1.0	130	0.00	4.21- 4.63
7 m	1,3-BUTADIENE	10.000	10.034	-0.3	120	0.00	4.35- 4.76
8 m	BROMOMETHANE	10.000	10.059	-0.6	136	0.00	4.63- 5.05
9 m	CHLOROETHANE	10.000	9.352	6.5	120	0.00	4.80- 5.21
10 m	TRICHLOROFLUOROMETHANE	10.000	9.852	1.5	128	0.00	5.59- 6.00
		AvgRF	CCRF	% Dev			
11 m	ISOPROPYL ALCOHOL	3.661	2.590	29.3	108	0.00	5.59- 6.06
		True	Calc.	% Drift			
12 m	ACETONE	10.000	8.805	12.0	106	0.00	5.39- 5.80
13 m	PENTANE	10.000	10.134	-1.3	124	0.00	5.99- 6.30
14 m	1,1-DICHLOROETHYLENE	10.000	10.460	-4.6	139	0.00	6.22- 6.64
		AvgRF	CCRF	% Dev			
15 m	CARBON DISULFIDE	5.486	4.898	10.7	133	0.00	6.66- 7.07
		True	Calc.	% Drift			
16 m	ETHANOL	10.000	8.921	10.8	112	0.00	4.87- 5.33
17 m	BROMOETHENE	10.000	9.986	0.1	137	0.00	5.16- 5.58
18 m	METHYLENE CHLORIDE	10.000	9.793	2.1	130	0.00	6.39- 6.69
		AvgRF	CCRF	% Dev			
19 m	3-CHLOROPROPENE	1.753	1.384	21.0	114	0.00	6.46- 6.87
20 m	FREON 113	2.512	2.424	3.5	131	0.00	6.60- 7.01
21 m	TRANS-1,2-DICHLOROETHY	1.441	1.411	2.1	115	0.00	7.27- 7.68
22 m	TERTIARY BUTYL ALCOHOL	3.875	3.263	15.8	115	0.00	6.17- 6.69
23 m	METHYL TERTIARY BUTYL	3.838	3.222	16.1	123	0.00	7.51- 7.92
24 m	TETRAHYDROFURAN	1.898	1.676	11.7	116	0.00	9.00- 9.29
25 m	HEXANE	2.726	2.276	16.5	121	0.00	8.47- 8.88
26 m	VINYL ACETATE	4.170	3.521	15.6	113	0.00	7.62- 7.97
27 m	1,1-DICHLOROETHANE	3.274	2.851	12.9	123	0.00	7.47- 7.88
28 m	METHYL ETHYL KETONE	3.827	3.191	16.6	114	0.00	7.79- 8.28
29 m	cis-1,2-DICHLOROETHYLE	1.221	1.075	12.0	127	0.00	8.27- 8.69
30 m	ETHYL ACETATE	6.459	5.300	17.9	113	0.00	8.46- 8.88

Initial Calibration Verification

Job Number: M64318 **Sample:** MSQ177-ICV177
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3294.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	3.742	3.139	16.1	120	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	3.493	2.911	16.7	119	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.700	3.110	15.9	115	0.00	10.10-10.51
34	m	1,2-DICHLOROETHANE	2.545	2.028	20.3	114	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	119	0.00	10.27-10.68
36	m	BENZENE	0.775	0.644	16.9	121	0.00	9.95-10.37
37	m	CYCLOHEXANE	0.319	0.286	10.3	125	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.369	0.324	12.2	120	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.329	0.279	15.2	119	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.665	0.567	14.7	119	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	1.574	1.400	11.1	119	0.00	10.98-11.39
42	m	1,4-DIOXANE	0.121	0.108	10.7	123	0.00	10.88-11.41
43	m	HEPTANE	0.645	0.576	10.7	113	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.814	0.726	10.8	113	0.00	11.77-12.21
45	m	cis-1,3-DICHLOROPROPEN	0.413	0.364	11.9	118	0.00	11.77-12.18
46	m	TOLUENE	0.455	0.379	16.7	117	0.00	12.73-13.15
47	m	trans-1,3-DICHLOROPROP	0.287	0.251	12.5	117	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.275	0.233	15.3	118	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	118	0.00	14.57-14.88
50	m	2-HEXANONE	0.689	0.608	11.8	109	0.00	12.96-13.36
51	m	TETRACHLOROETHYLENE	0.279	0.234	16.1	122	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.512	0.445	13.1	120	0.00	13.19-13.55
53	m	1,2-DIBROMOETHANE	0.422	0.360	14.7	117	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.577	0.463	19.8	115	0.00	14.61-14.92
55	m	ETHYLBENZENE	1.180	0.999	15.3	114	0.00	14.97-15.33
56	m	m,p-XYLENE	0.394	0.331	16.0	112	0.00	15.16-15.52
57	m	o-XYLENE	0.397	0.341	14.1	112	0.00	15.66-16.02
58	m	STYRENE	0.452	0.396	12.4	110	0.00	15.57-15.88
59	m	NONANE	1.012	0.891	12.0	110	0.00	15.89-16.20
60	m	BROMOFORM	0.375	0.306	18.4	122	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.850	0.876	-3.1	112	0.00	16.19-16.50
62	m	1,1,2,2-TETRACHLOROETH	0.756	0.678	10.3	113	0.00	15.68-15.99
63	m	ISOPROPYLBENZENE	1.212	1.020	15.8	110	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.898	0.771	14.1	109	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.892	0.783	12.2	110	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.922	0.806	12.6	111	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.814	0.718	11.8	108	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.309	0.257	16.8	105	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.382	0.330	13.6	108	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.276	0.219	20.7	103	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.328	0.262	20.1	110	0.00	18.26-18.57
		----------	True	Calc.	% Drift			----------
72	m	HEXACHLOROBUTADIENE	10.000	10.570	-5.7	132	0.00	20.61-21.02
		----------	AvgRF	CCRF	% Dev			----------
73	m	1,2,4-TRICHLOROBENZENE	0.043	0.040	7.0	117	0.00	20.11-20.53
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3290.D Q042607T.m Fri Apr 27 15:01:28 2007 RPT1

Continuing Calibration Summary

Job Number: M64318 **Sample:** MSQ179-CC177
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3312.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3312.D Vial: 2
Acq On : 1 May 2007 11:52 am Operator: PhilipB
Sample : CC177-10 (M070) Inst : MAMSQ
Misc : MS13469,MSQ179,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q042607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Apr 30 14:10:39 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	0.00	8.44- 8.85
		True	Calc.	% Drift			
2 m	DICHLORODIFLUOROMETHAN	10.000	12.300	-23.0	140	0.00	3.83- 4.24
3 m	PROPYLENE	10.000	11.459	-14.6	120	0.00	3.76- 4.17
4 m	FREON 114	10.000	11.842	-18.4	126	0.00	4.09- 4.50
5 m	CHLOROMETHANE	10.000	12.198	-22.0	122	0.00	4.00- 4.41
6 m	VINYL CHLORIDE	10.000	11.966	-19.7	125	0.00	4.21- 4.62
7 m	1,3-BUTADIENE	10.000	12.610	-26.1	119	0.00	4.35- 4.76
8 m	BROMOMETHANE	10.000	11.556	-15.6	125	0.00	4.63- 5.04
9 m	CHLOROETHANE	10.000	10.258	-2.6	106	0.00	4.81- 5.22
10 m	TRICHLOROFLUOROMETHANE	10.000	12.712	-27.1	132	0.00	5.59- 6.00
		AvgRF	CCRF	% Dev			
11 m	ISOPROPYL ALCOHOL	3.661	2.732	25.4	91	0.00	5.59- 6.06
		True	Calc.	% Drift			
12 m	ACETONE	10.000	10.040	-0.4	96	0.00	5.39- 5.80
13 m	PENTANE	10.000	12.473	-24.7	120	0.00	5.99- 6.30
14 m	1,1-DICHLOROETHYLENE	10.000	12.382	-23.8	132	0.00	6.22- 6.64
		AvgRF	CCRF	% Dev			
15 m	CARBON DISULFIDE	5.486	6.551	-19.4	143	0.00	6.66- 7.07
		True	Calc.	% Drift			
16 m	ETHANOL	10.000	9.594	4.1	91	0.00	4.86- 5.32
17 m	BROMOETHENE	10.000	11.182	-11.8	123	0.00	5.16- 5.58
18 m	METHYLENE CHLORIDE	10.000	11.206	-12.1	119	0.00	6.39- 6.69
		AvgRF	CCRF	% Dev			
19 m	3-CHLOROPROPENE	1.753	1.660	5.3	110	0.00	6.46- 6.87
20 m	FREON 113	2.512	2.910	-15.8	126	0.00	6.60- 7.01
21 m	TRANS-1,2-DICHLOROETHY	1.441	1.146	20.5	75	0.00	7.27- 7.68
22 m	TERTIARY BUTYL ALCOHOL	3.875	3.438	11.3	97	0.00	6.17- 6.69
23 m	METHYL TERTIARY BUTYL	3.838	2.853	25.7	87	0.00	7.51- 7.92
24 m	TETRAHYDROFURAN	1.898	1.473	22.4	81	0.00	9.00- 9.29
25 m	HEXANE	2.726	2.320	14.9	99	0.00	8.47- 8.88
26 m	VINYL ACETATE	4.170	3.003	28.0	77	0.00	7.62- 7.97
27 m	1,1-DICHLOROETHANE	3.274	2.852	12.9	98	0.00	7.46- 7.87
28 m	METHYL ETHYL KETONE	3.827	2.882	24.7	83	0.00	7.80- 8.28
29 m	cis-1,2-DICHLOROETHYLE	1.221	1.006	17.6	95	0.00	8.27- 8.68
30 m	ETHYL ACETATE	6.459	5.312	17.8	91	0.00	8.46- 8.88

Continuing Calibration Summary

Job Number: M64318 **Sample:** MSQ179-CC177
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3312.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	3.742	3.260	12.9	100	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	3.493	3.102	11.2	102	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.700	3.530	4.6	105	0.00	10.09-10.51
34	m	1,2-DICHLOROETHANE	2.545	2.176	14.5	98	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	91	0.00	10.27-10.68
36	m	BENZENE	0.775	0.628	19.0	90	0.00	9.95-10.36
37	m	CYCLOHEXANE	0.319	0.294	7.8	99	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.369	0.337	8.7	96	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.329	0.260	21.0	85	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.665	0.624	6.2	100	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	1.574	1.416	10.0	92	0.00	10.97-11.39
42	m	1,4-DIOXANE	0.121	0.107	11.6	93	0.00	10.88-11.40
43	m	HEPTANE	0.645	0.624	3.3	94	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.814	0.721	11.4	86	0.00	11.77-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.413	0.322	22.0	80	0.00	11.77-12.18
46	m	TOLUENE	0.455	0.340	25.3	80	0.00	12.73-13.14
47	m	trans-1,3-DICHLOROPROP	0.287	0.239	16.7	85	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.275	0.215	21.8	83	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	93	0.00	14.57-14.88
50	m	2-HEXANONE	0.689	0.590	14.4	83	0.00	12.96-13.36
51	m	TETRACHLOROETHYLENE	0.279	0.210	24.7	86	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.512	0.428	16.4	90	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.422	0.307	27.3	78	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.577	0.399	30.8#	77	0.00	14.61-14.92
55	m	ETHYLBENZENE	1.180	0.864	26.8	77	0.00	14.96-15.32
56	m	m,p-XYLENE	0.394	0.278	29.4	74	0.00	15.16-15.52
57	m	o-XYLENE	0.397	0.281	29.2	73	0.00	15.66-16.02
58	m	STYRENE	0.452	0.301	33.4#	66	0.00	15.57-15.88
59	m	NONANE	1.012	0.845	16.5	82	0.00	15.89-16.20
60	m	BROMOFORM	0.375	0.263	29.9	82	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.850	0.887	-4.4	89	0.00	16.19-16.50
62	m	1,1,2,2-TETRACHLOROETH	0.756	0.568	24.9	74	0.00	15.68-15.99
63	m	ISOPROPYLBENZENE	1.212	0.837	30.9#	71	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.898	0.626	30.3#	70	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.892	0.668	25.1	74	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.922	0.677	26.6	73	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.814	0.565	30.6#	67	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.309	0.176	43.0#	56	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.382	0.203	46.9#	52	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.276	0.140	49.3#	51	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.328	0.176	46.3#	58	0.00	18.26-18.57
		----------	True	Calc.	% Drift			----------
72	m	HEXACHLOROBUTADIENE	10.000	6.825	31.8#	61	0.00	20.61-21.02
		----------	AvgRF	CCRF	% Dev			----------
73	m	1,2,4-TRICHLOROBENZENE	0.043	0.018	58.1#	41	0.00	20.12-20.53
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3290.D Q042607T.m Tue May 01 14:19:30 2007 RPT1

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10178.D
Acq On : 30 Apr 2007 8:20 pm
Operator : danat
Sample : M64318-1 (M155)
Misc : MS13460, MSJ526,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 09:52:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	91538	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	325095	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	255308	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	68078	4.25	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 85.00%			
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.26	117	5036	0.16	PPBV	96
51) TETRACHLOROETHYLENE	14.01	164	1729	0.19	PPBV	98

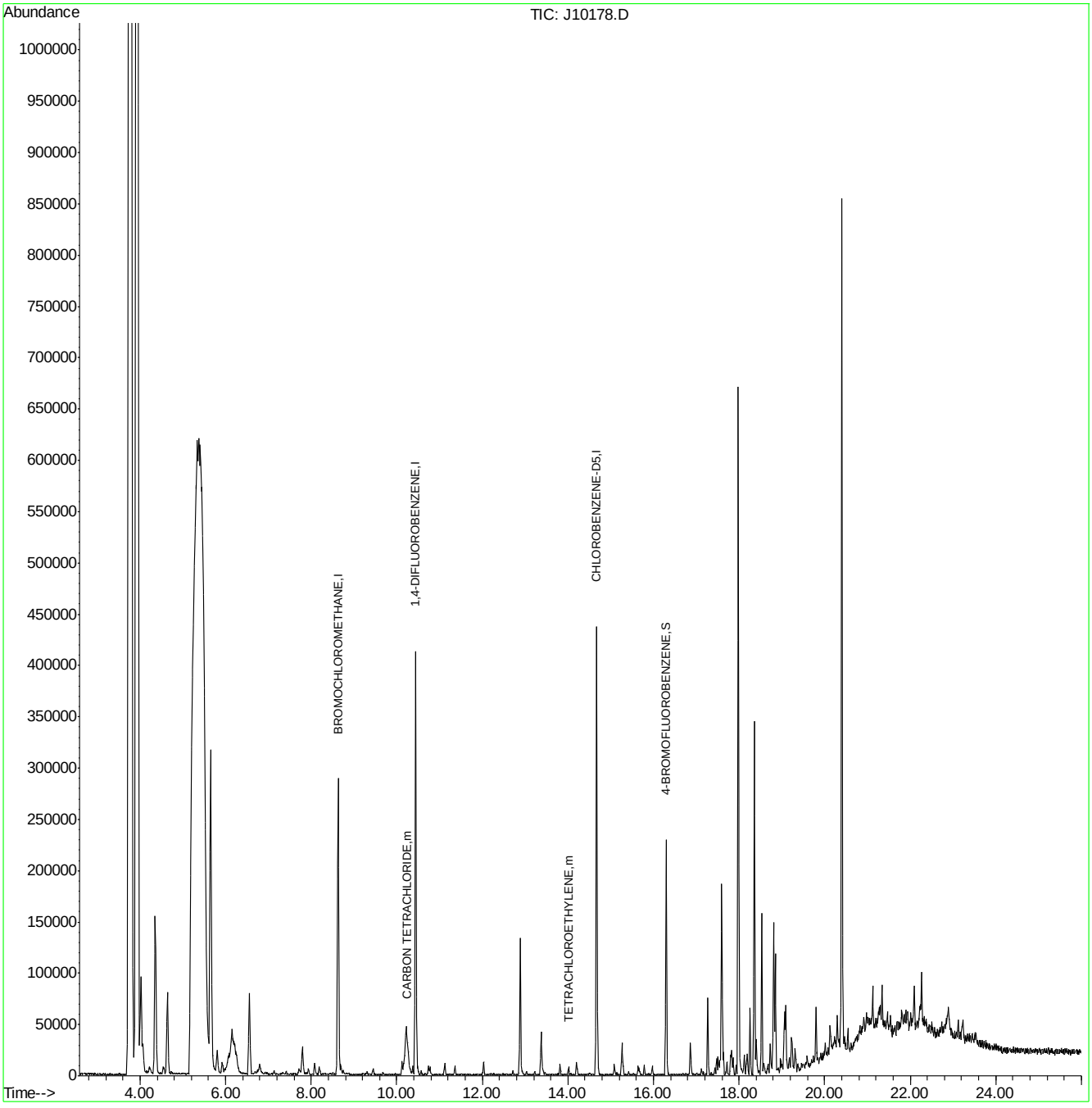
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M64318

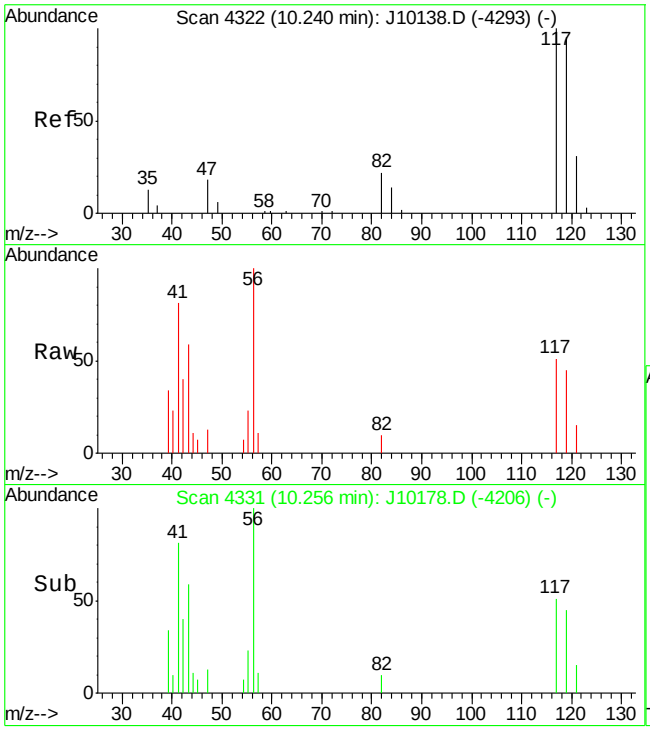
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10178.D
Acq On : 30 Apr 2007 8:20 pm
Operator : danat
Sample : M64318-1 (M155)
Misc : MS13460, MSJ526,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 09:52:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



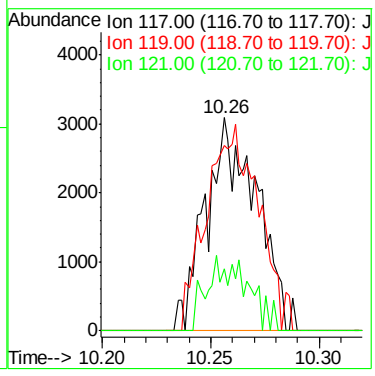
ACCUTEST Laboratories
M64318

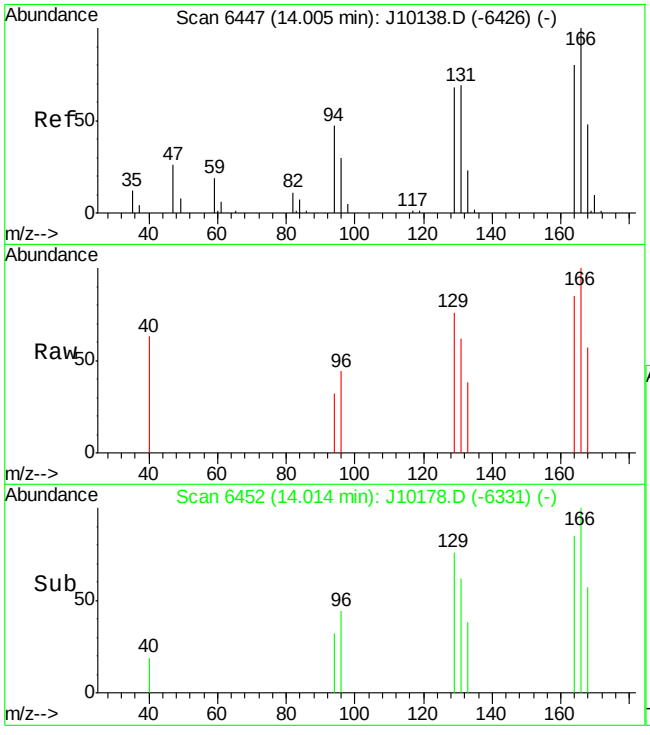


#33
CARBON TETRACHLORIDE
Concen: 0.16 PPBV
RT: 10.26 min Scan# 4331
Delta R.T. 0.02 min
Lab File: J10178.D
Acq: 30 Apr 2007 8:20 pm

Tgt Ion:117 Resp: 5036

Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.5	116.5
121	27.6	11.5	51.5

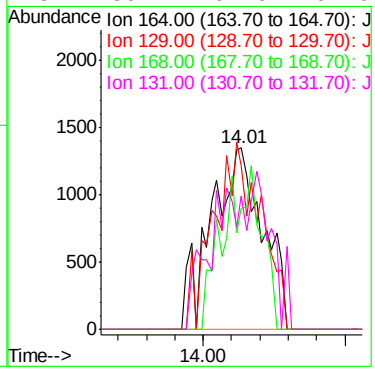




#51
TETRACHLOROETHYLENE
Concen: 0.19 PPBV
RT: 14.01 min Scan# 6452
Delta R.T. 0.01 min
Lab File: J10178.D
Acq: 30 Apr 2007 8:20 pm

Tgt Ion:164 Resp: 1729

Ion	Ratio	Lower	Upper
164	100		
129	92.7	70.9	110.9
168	64.2	42.4	82.4
131	89.4	67.9	107.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3321.D
Acq On : 2 May 2007 11:36 am
Operator : PhilipB
Sample : M64318-2
Misc : MS13469,MSQ179,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 12:04:55 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	66197	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	334659	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	286534	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	118739	4.87	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 97.40%

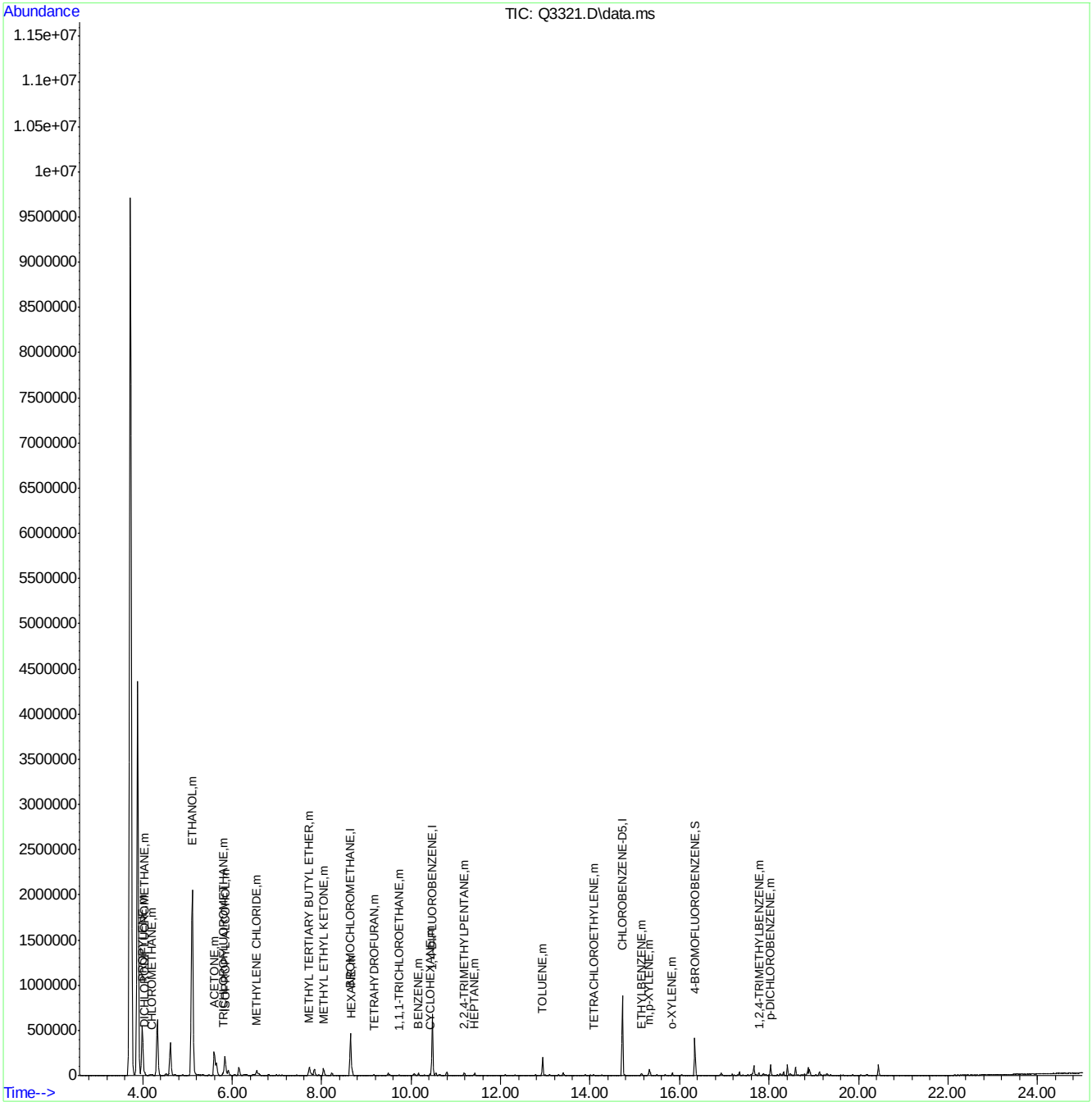
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	31922	0.79	PPBV	78
3) PROPYLENE	3.989	41	181084	18.52	PPBV #	38
5) CHLOROMETHANE	4.200	50	11716	0.41	PPBV	90
10) TRICHLOROFLUOROMETHANE	5.796	101	23102	0.38	PPBV	95
11) ISOPROPYL ALCOHOL	5.835	45	308503	12.73	PPBV	99
12) ACETONE	5.597	43	488640	30.31	PPBV	88
16) ETHANOL	5.105	45	3205295	984.15	PPBV	92
18) METHYLENE CHLORIDE	6.546	84	20798	1.87	PPBV	63
23) METHYL TERTIARY BUTYL ...	7.716	73	72934	2.87	PPBV	76
24) TETRAHYDROFURAN	9.162	42	3969	0.32	PPBV #	43
25) HEXANE	8.674	57	19687	1.09	PPBV #	67
28) METHYL ETHYL KETONE	8.039	43	99167	3.91	PPBV	86
32) 1,1,1-TRICHLOROETHANE	9.723	97	3714	0.16	PPBV	91
36) BENZENE	10.160	78	17563	0.68	PPBV	94
37) CYCLOHEXANE	10.428	84	3451	0.32	PPBV #	66
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	19494	0.37	PPBV #	81
43) HEPTANE	11.423	43	10062	0.47	PPBV #	76
46) TOLUENE	12.935	92	56385	3.70	PPBV	93
51) TETRACHLOROETHYLENE	14.075	164	1446	0.18	PPBV #	30
55) ETHYLBENZENE	15.150	91	14009	0.41	PPBV	93
56) m,p-XYLENE	15.319	106	17344	1.53	PPBV #	79
57) o-XYLENE	15.842	106	5203	0.46	PPBV #	74
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	12720	0.55	PPBV	89
70) p-DICHLOROBENZENE	18.033	146	26662	3.37	PPBV	91

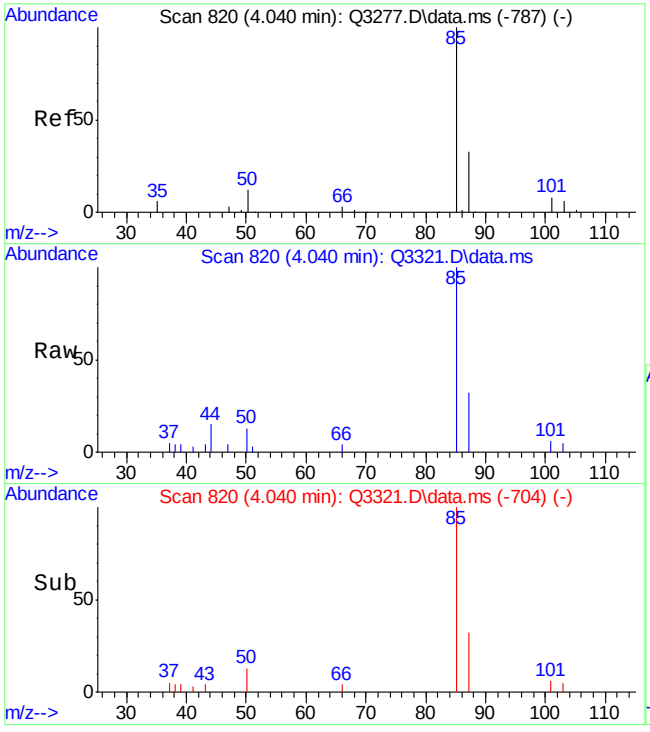
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3321.D
Acq On : 2 May 2007 11:36 am
Operator : PhilipB
Sample : M64318-2
Misc : MS13469,MSQ179,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 12:04:55 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

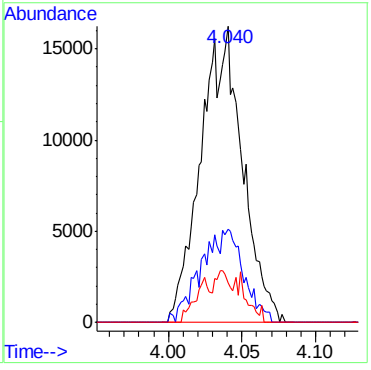


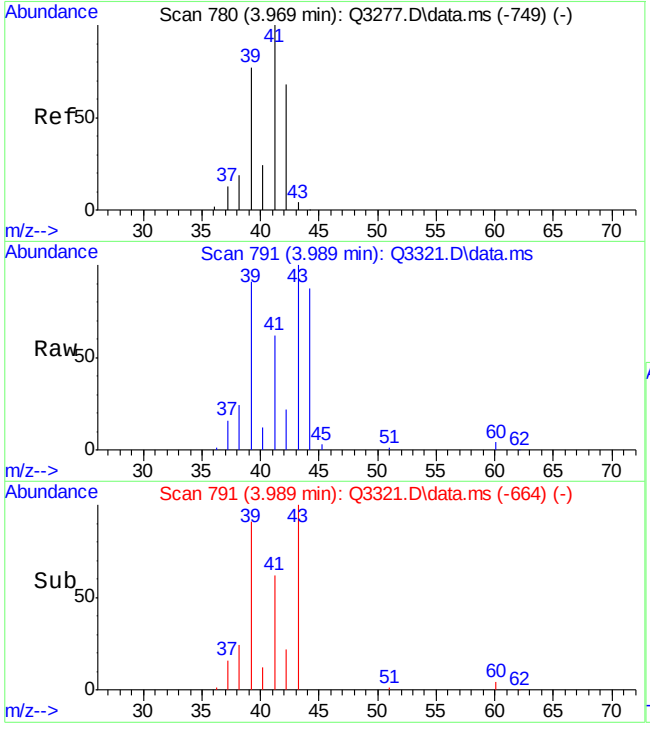


#2
DICHLORODIFLUOROMETHANE
Concen: 0.79 PPBV
RT: 4.040 min Scan# 820
Delta R.T. 0.000 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 85 Resp: 31922

Ion	Ratio	Lower	Upper
85	100		
87	15.8	12.8	52.8
50	11.4	0.0	31.6

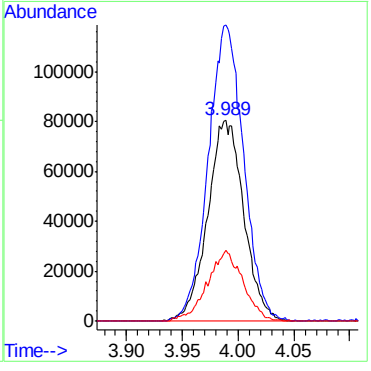


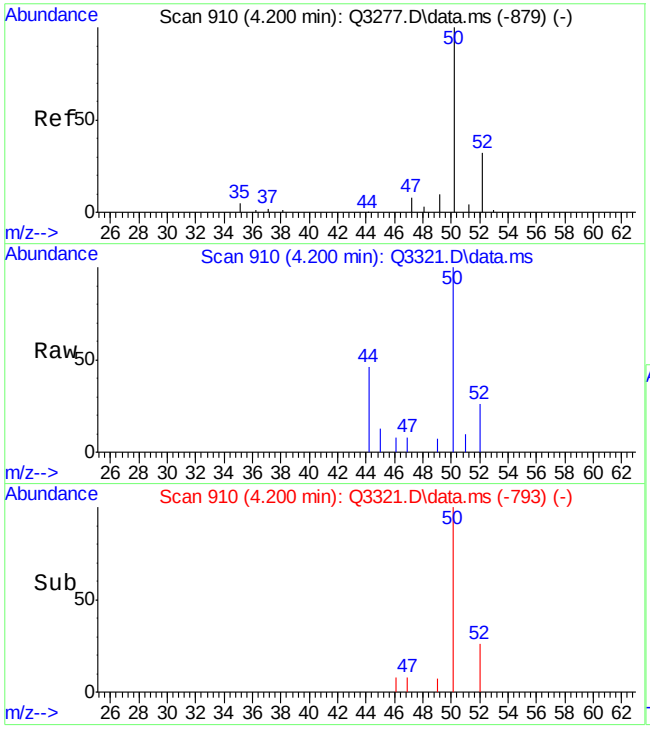


#3
PROPYLENE
Concen: 18.52 PPBV
RT: 3.989 min Scan# 791
Delta R.T. 0.020 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 41 Resp: 181084

Ion	Ratio	Lower	Upper
41	100		
39	147.4	57.4	97.4#
42	35.0	47.9	87.9#

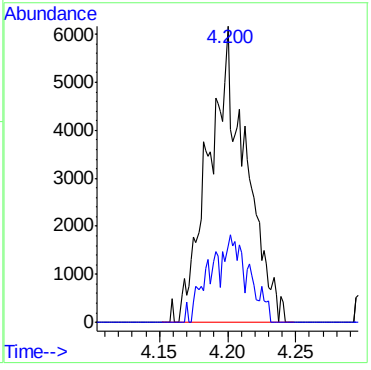


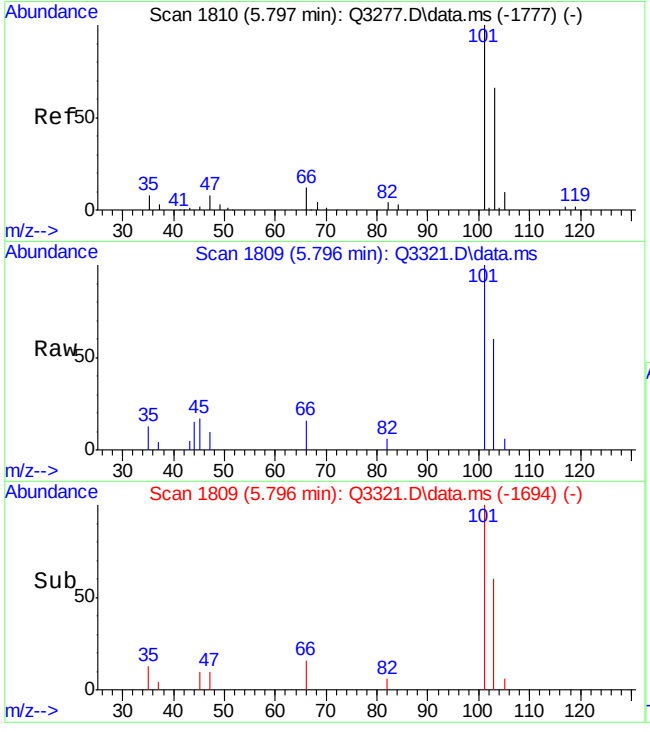


#5
CHLOROMETHANE
Concen: 0.41 PPBV
RT: 4.200 min Scan# 910
Delta R.T. 0.001 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 50 Resp: 11716

Ion	Ratio	Lower	Upper
50	100		
52	25.9	11.6	51.6

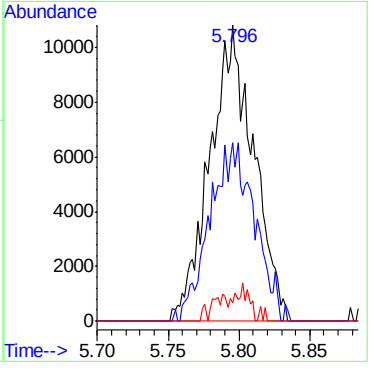


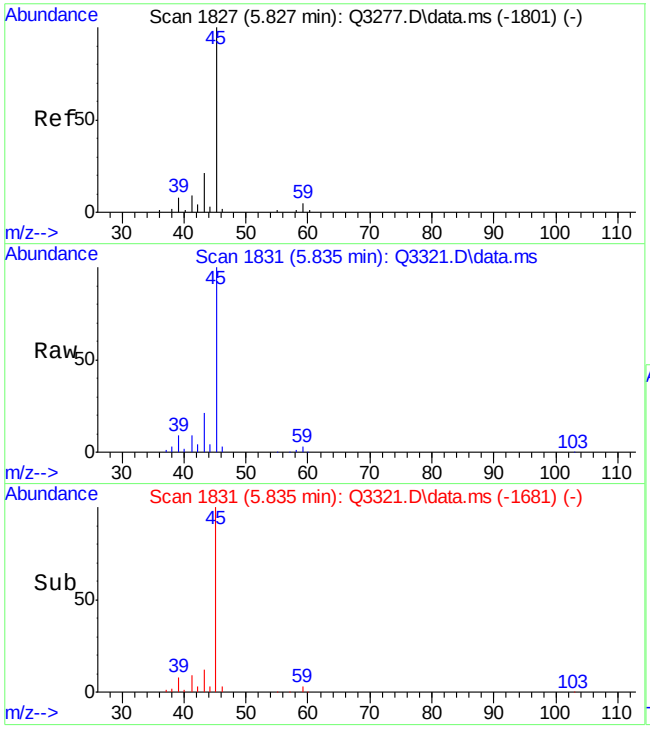


#10
TRICHLOROFLUOROMETHANE
Concen: 0.38 PPBV
RT: 5.796 min Scan# 1809
Delta R.T. -0.001 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion:101 Resp: 23102

Ion	Ratio	Lower	Upper
101	100		
103	62.0	44.8	84.8
105	4.3	0.0	30.3

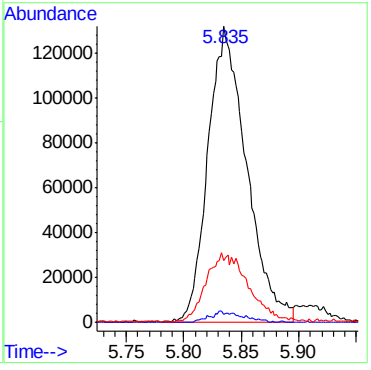


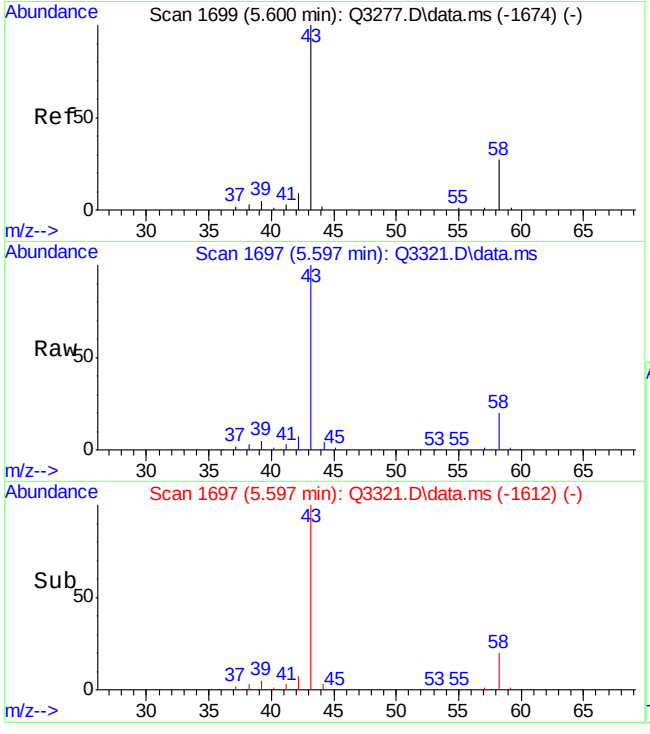


#11
ISOPROPYL ALCOHOL
Concen: 12.73 PPBV
RT: 5.835 min Scan# 1831
Delta R.T. 0.008 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 45 Resp: 308503

Ion	Ratio	Lower	Upper
45	100		
59	2.7	0.0	24.7
43	21.0	1.0	41.0

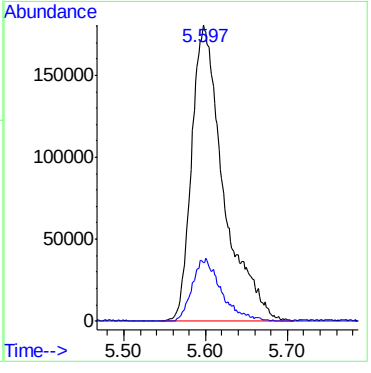


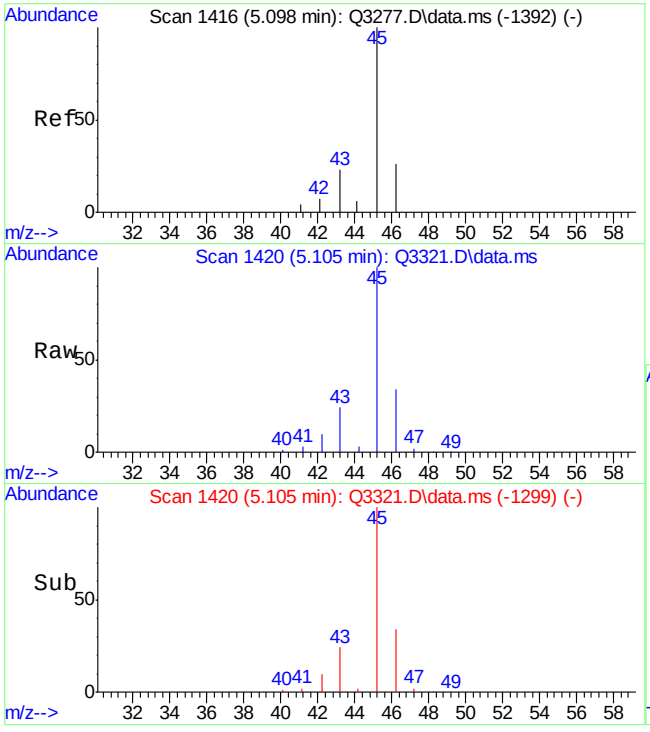


#12
ACETONE
Concen: 30.31 PPBV
RT: 5.597 min Scan# 1697
Delta R.T. -0.003 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 43 Resp: 488640

Ion	Ratio	Lower	Upper
43	100		
58	19.2	5.4	45.4

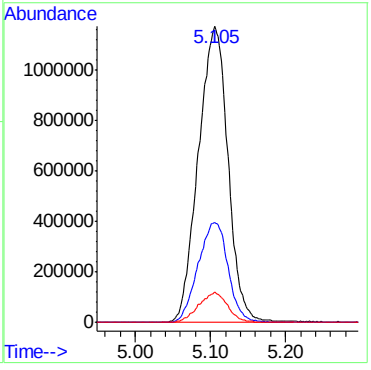


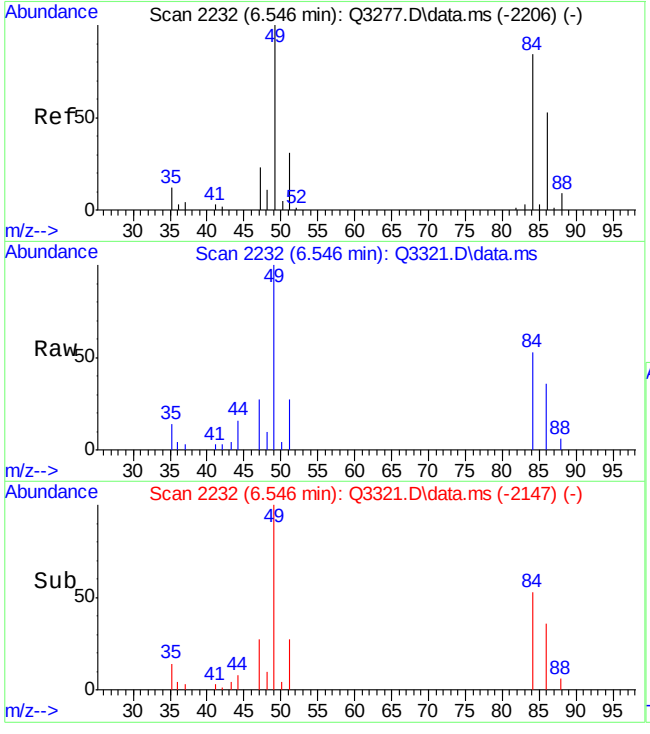


#16
ETHANOL
Concen: 984.15 PPBV
RT: 5.105 min Scan# 1420
Delta R.T. 0.008 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 45 Resp: 3205295

Ion	Ratio	Lower	Upper
45	100		
46	34.2	10.6	50.6
42	9.8	0.0	24.6

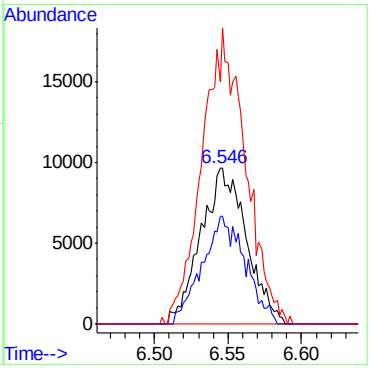


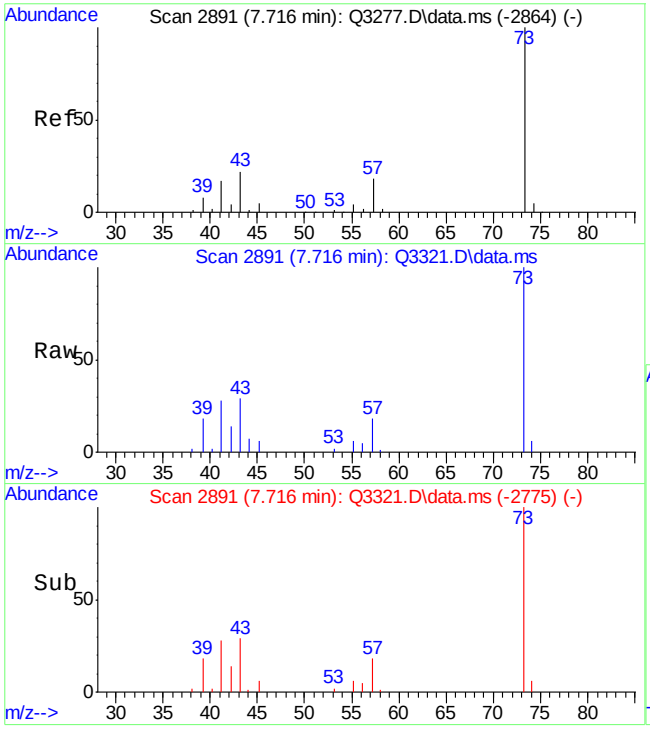


#18
METHYLENE CHLORIDE
Concen: 1.87 PPBV
RT: 6.546 min Scan# 2232
Delta R.T. 0.000 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 84 Resp: 20798

Ion	Ratio	Lower	Upper
84	100		
86	65.3	45.0	85.0
49	181.2	0.0	318.8

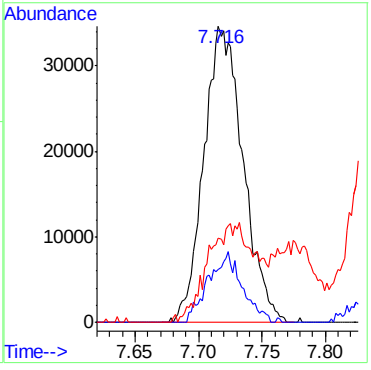


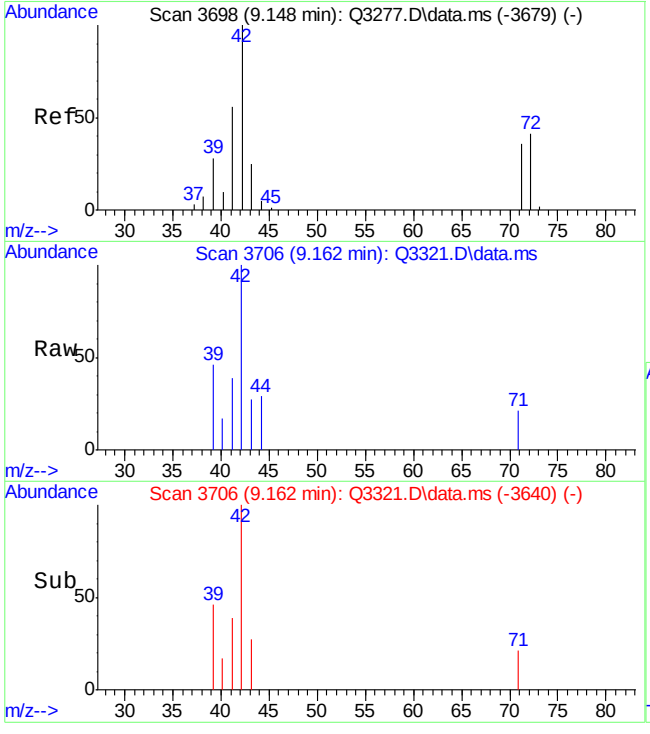


#23
METHYL TERTIARY BUTYL ETHER
Concen: 2.87 PPBV
RT: 7.716 min Scan# 2891
Delta R.T. 0.000 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 73 Resp: 72934

Ion	Ratio	Lower	Upper
73	100		
57	20.3	0.0	38.1
43	40.9	2.0	42.0

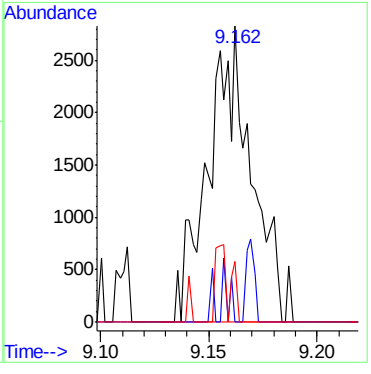


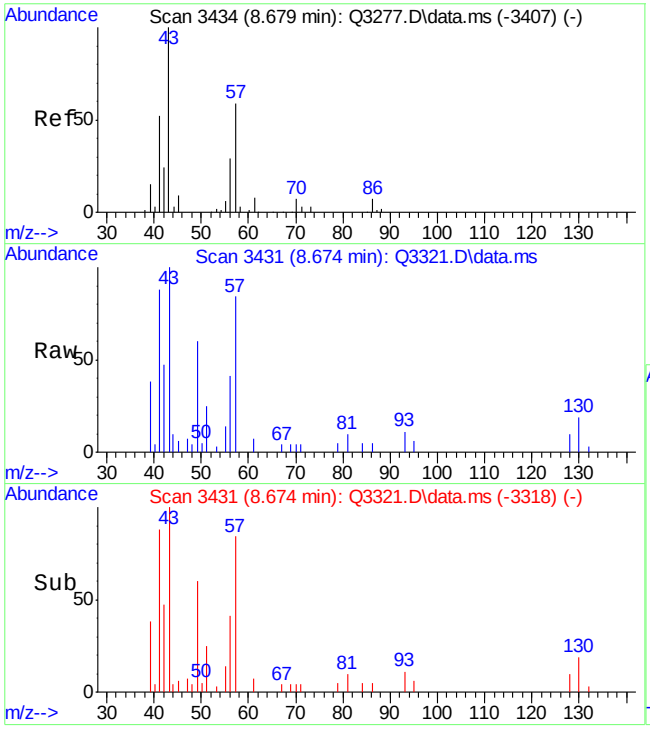


#24
TETRAHYDROFURAN
Concen: 0.32 PPBV
RT: 9.162 min Scan# 3706
Delta R.T. 0.014 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 42 Resp: 3969

Ion	Ratio	Lower	Upper
42	100		
72	4.2	22.7	62.7#
71	8.6	21.9	61.9#

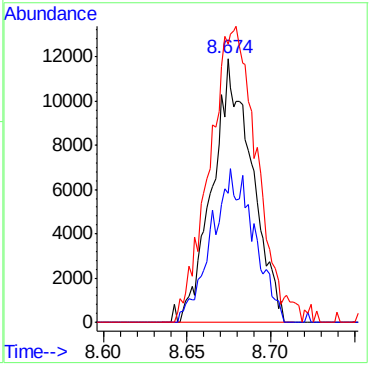


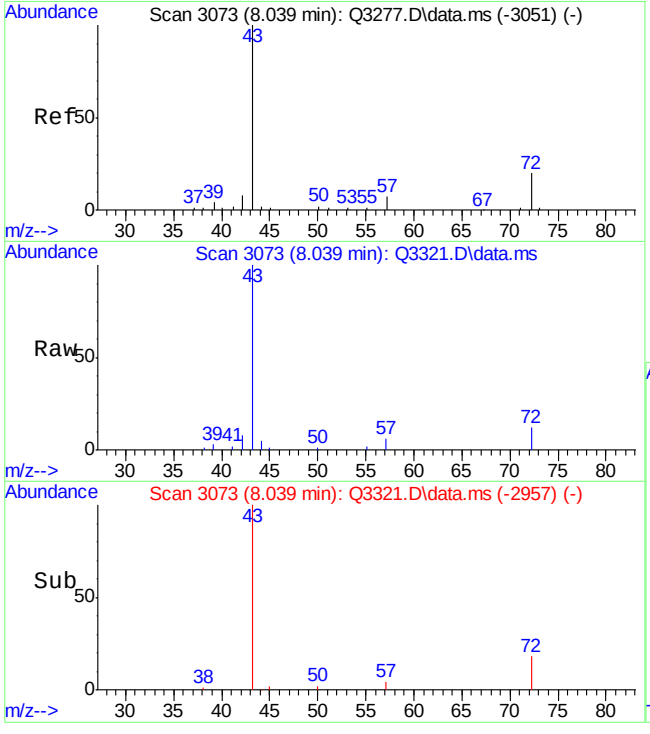


#25
HEXANE
Concen: 1.09 PPBV
RT: 8.674 min Scan# 3431
Delta R.T. -0.005 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 57 Resp: 19687

Ion	Ratio	Lower	Upper
57	100		
56	61.9	33.6	73.6
41	135.2	71.5	111.5#

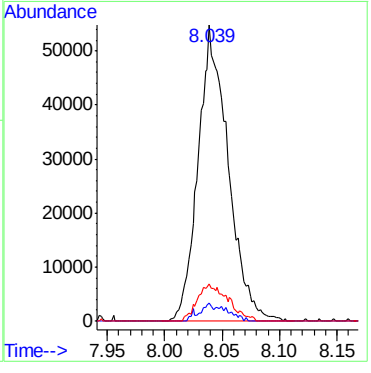


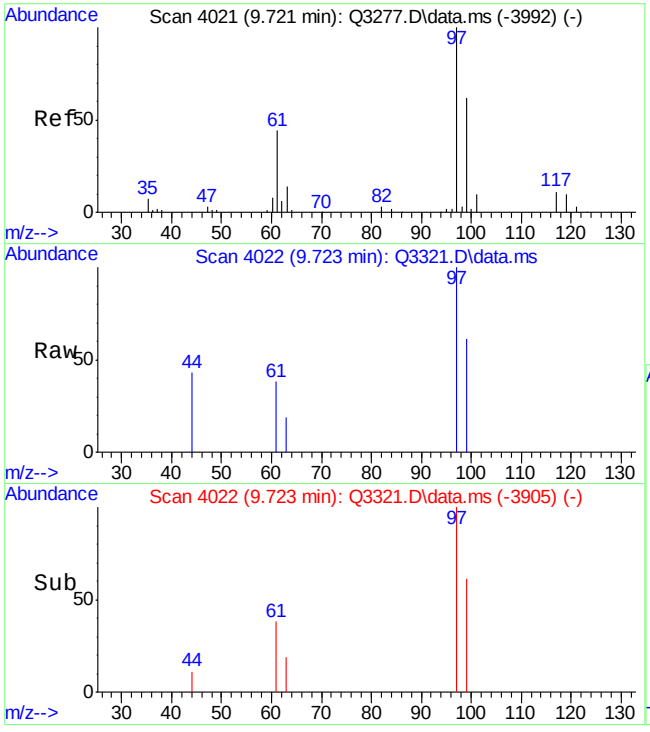


#28
METHYL ETHYL KETONE
Concen: 3.91 PPBV
RT: 8.039 min Scan# 3073
Delta R.T. 0.000 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 43 Resp: 99167

Ion	Ratio	Lower	Upper
43	100		
57	6.0	0.0	26.8
72	12.5	0.5	40.5

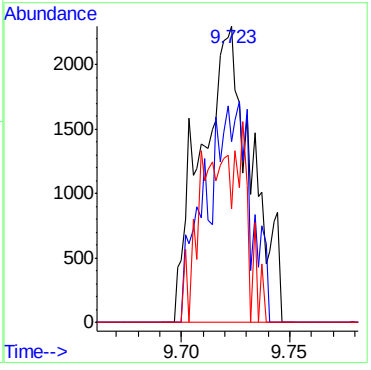


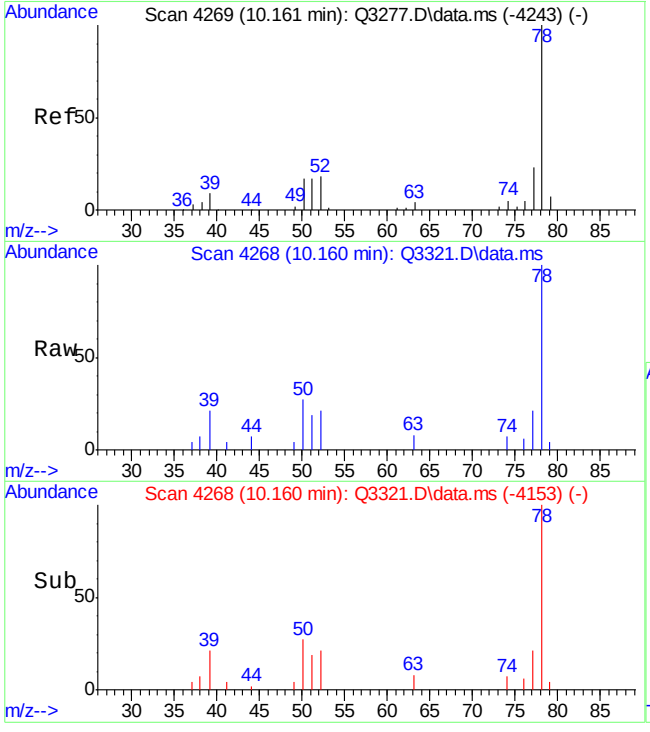


#32
1,1,1-TRICHLOROETHANE
Concen: 0.16 PPBV
RT: 9.723 min Scan# 4022
Delta R.T. 0.002 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 97 Resp: 3714

Ion	Ratio	Lower	Upper
97	100		
99	66.3	43.4	83.4
61	53.6	23.5	63.5

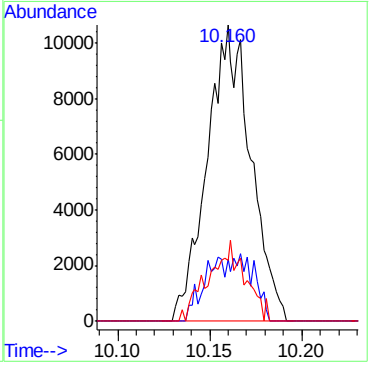


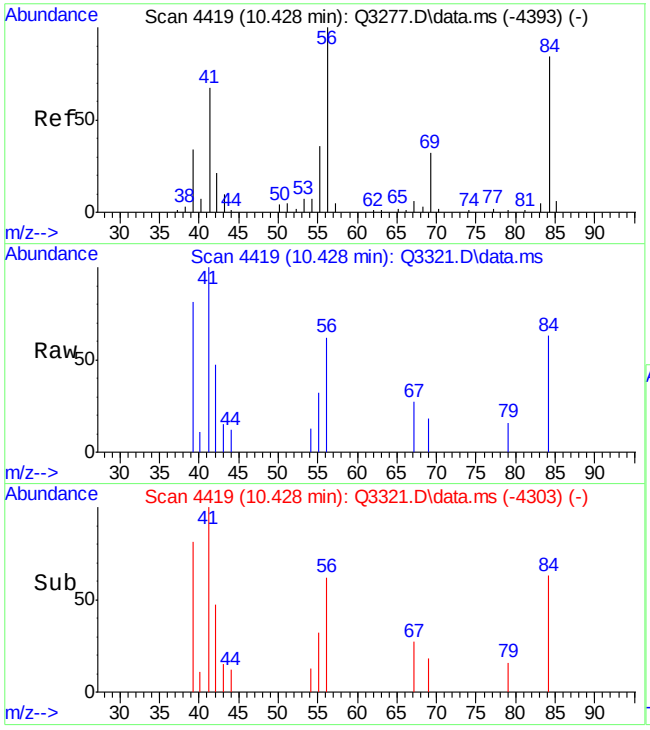


#36
BENZENE
Concen: 0.68 PPBV
RT: 10.160 min Scan# 4268
Delta R.T. -0.002 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 78 Resp: 17563

Ion	Ratio	Lower	Upper
78	100		
77	23.8	3.3	43.3
52	22.6	0.0	37.2

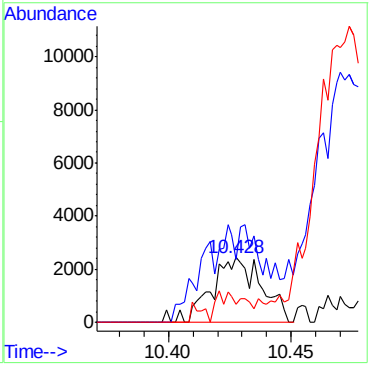


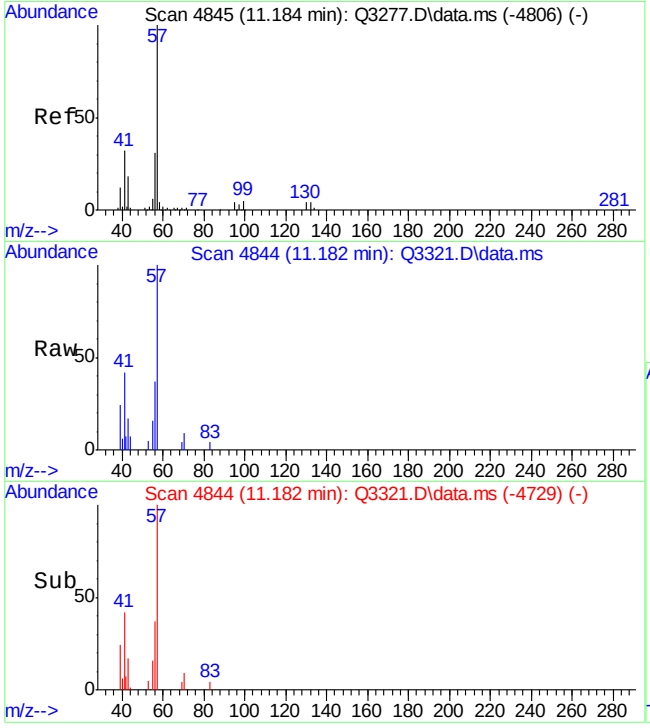


#37
CYCLOHEXANE
Concen: 0.32 PPBV
RT: 10.428 min Scan# 4419
Delta R.T. 0.000 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 84 Resp: 3451

Ion	Ratio	Lower	Upper
84	100		
56	180.1	109.8	149.8#
69	39.8	18.1	58.1

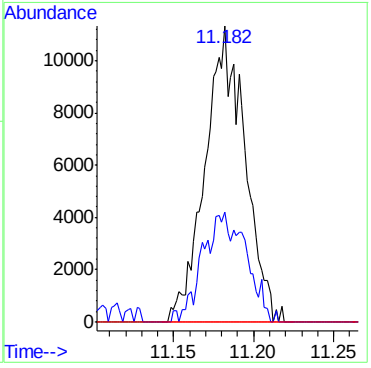


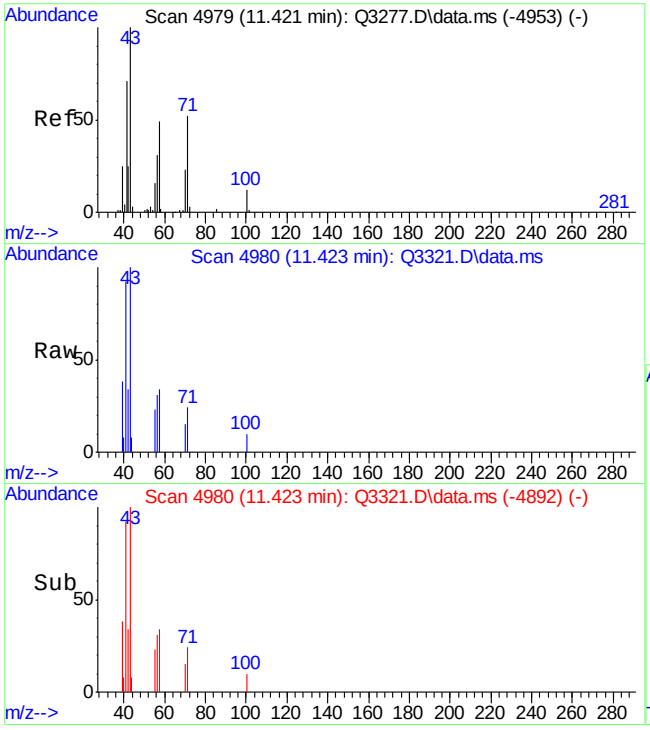


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.37 PPBV
RT: 11.182 min Scan# 4844
Delta R.T. -0.002 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 57 Resp: 19494

Ion	Ratio	Lower	Upper
57	100		
56	40.6	10.9	50.9
99	0.0	0.0	27.8

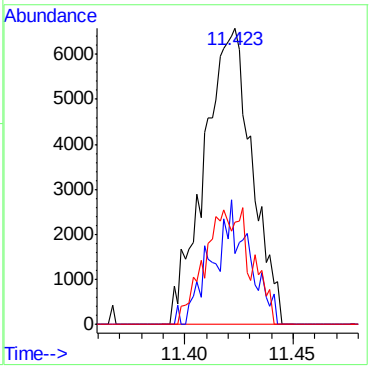


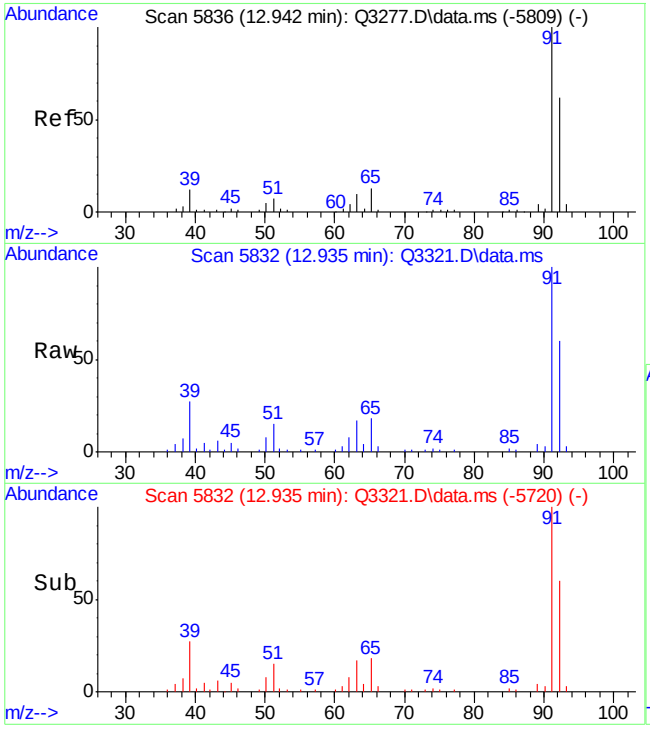


#43
HEPTANE
Concen: 0.47 PPBV
RT: 11.423 min Scan# 4980
Delta R.T. 0.002 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 43 Resp: 10062

Ion	Ratio	Lower	Upper
43	100		
71	32.2	33.3	73.3#
57	37.6	30.0	70.0

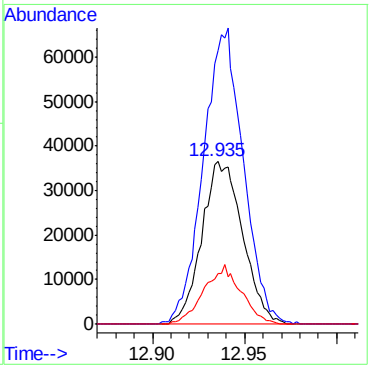


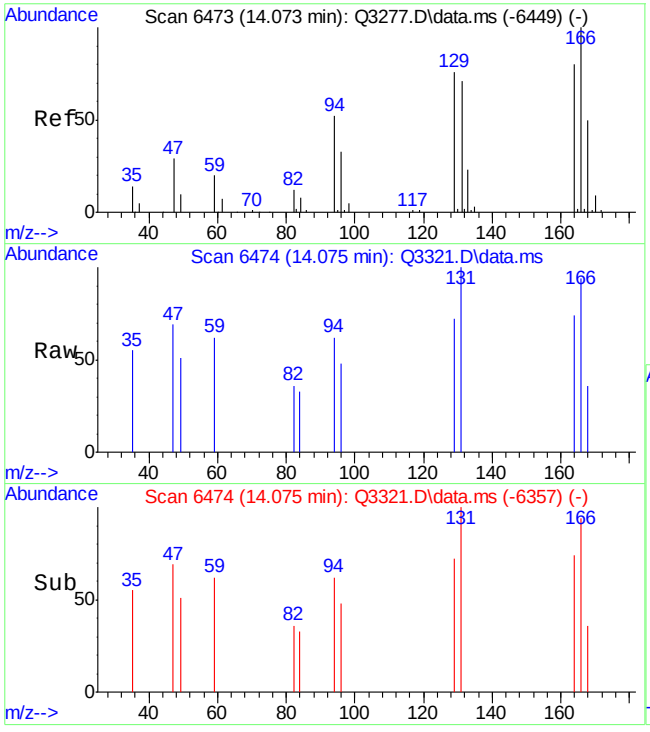


#46
TOLUENE
Concen: 3.70 PPBV
RT: 12.935 min Scan# 5832
Delta R.T. -0.007 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 92 Resp: 56385

Ion	Ratio	Lower	Upper
92	100		
91	178.5	152.1	192.1
65	32.9	1.4	41.4

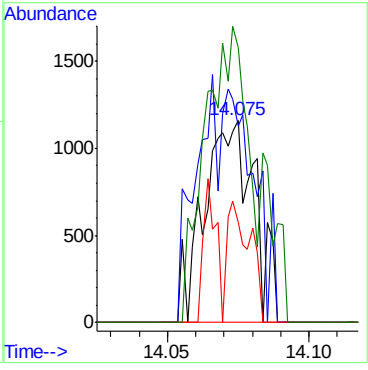


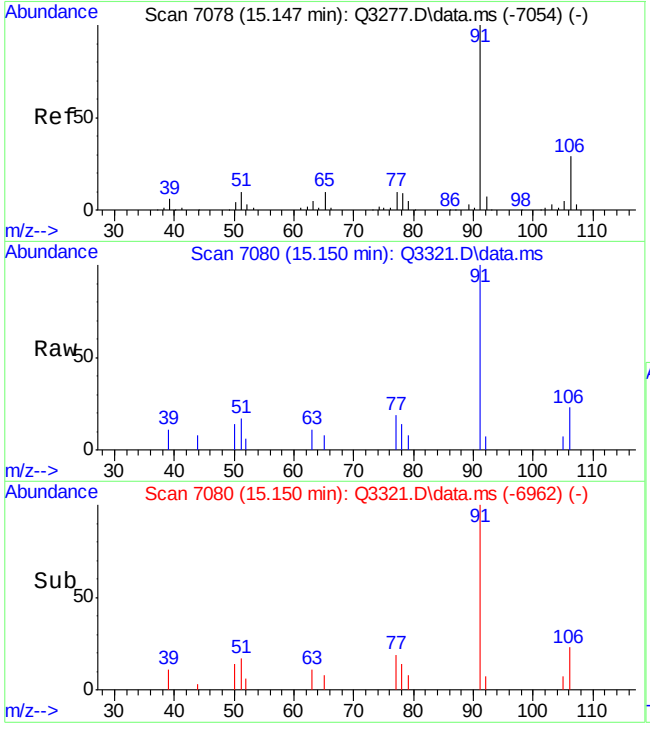


#51
TETRACHLOROETHYLENE
Concen: 0.18 PPBV
RT: 14.075 min Scan# 6474
Delta R.T. 0.002 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion:164 Resp: 1446

Ion	Ratio	Lower	Upper
164	100		
129	0.0	77.6	117.6#
168	27.1	41.2	81.2#
131	147.7	72.6	112.6#

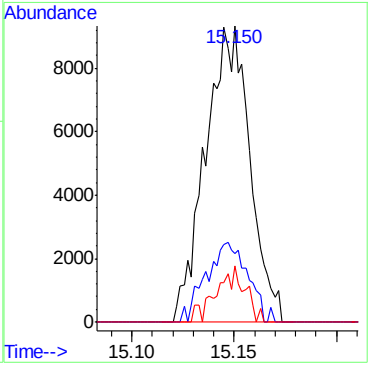


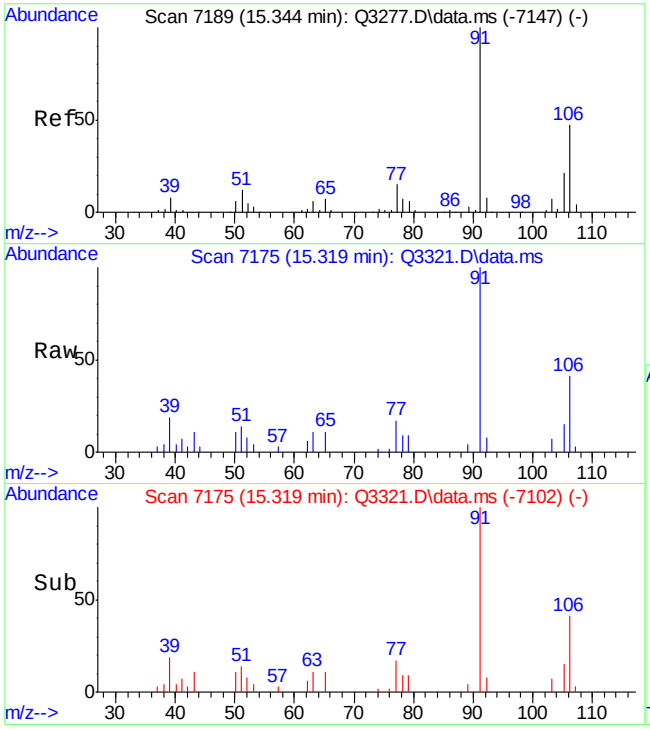


#55
ETHYLBENZENE
Concen: 0.41 PPBV
RT: 15.150 min Scan# 7080
Delta R.T. 0.004 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion: 91 Resp: 14009

Ion	Ratio	Lower	Upper
91	100		
106	25.3	8.6	48.6
77	12.4	0.0	29.3

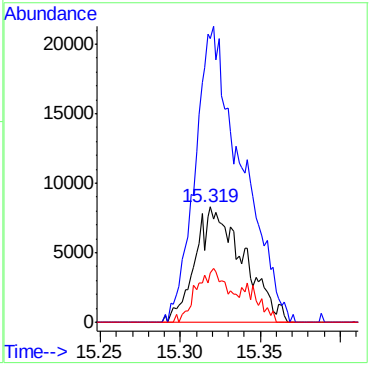


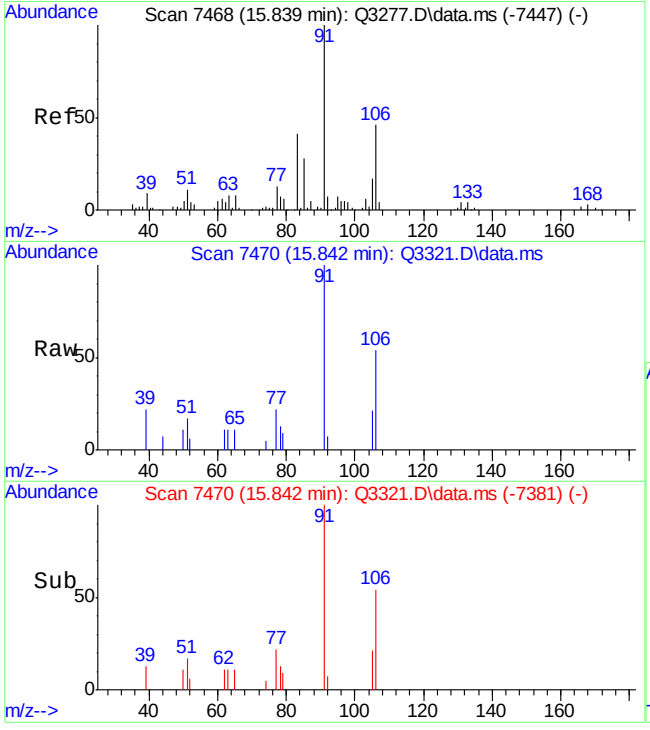


#56
m,p-XYLENE
Concen: 1.53 PPBV
RT: 15.319 min Scan# 7175
Delta R.T. -0.025 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion:106 Resp: 17344

Ion	Ratio	Lower	Upper
106	100		
91	245.7	170.2	255.4
77	42.7	25.0	37.4#

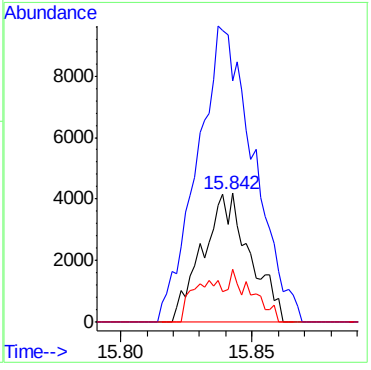


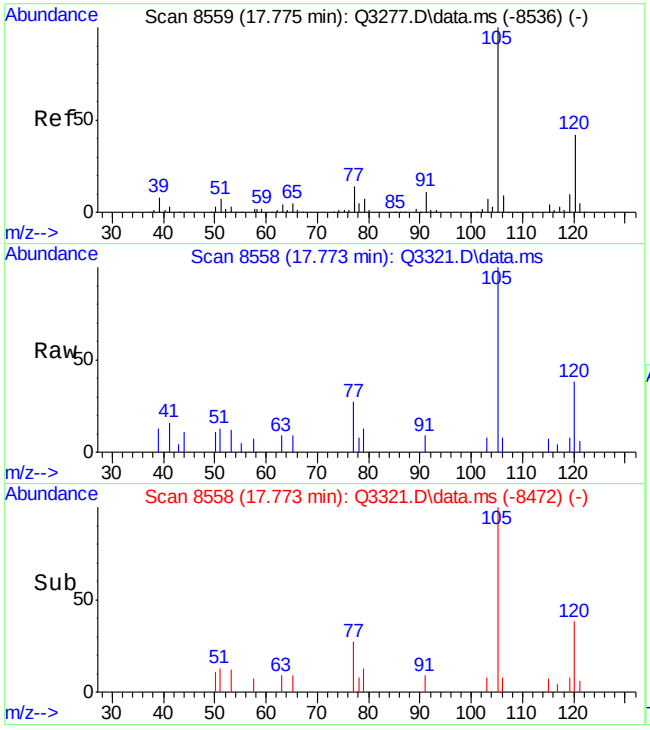


#57
o-XYLENE
Concen: 0.46 PPBV
RT: 15.842 min Scan# 7470
Delta R.T. 0.004 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion:106 Resp: 5203

Ion	Ratio	Lower	Upper
106	100		
91	275.4	210.2	250.2#
77	22.9	10.5	50.5

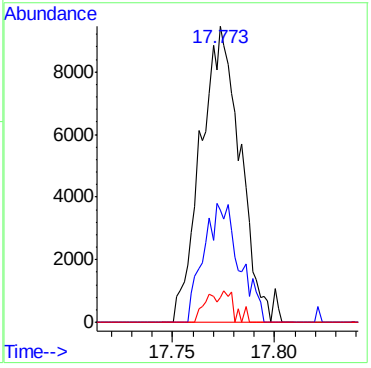


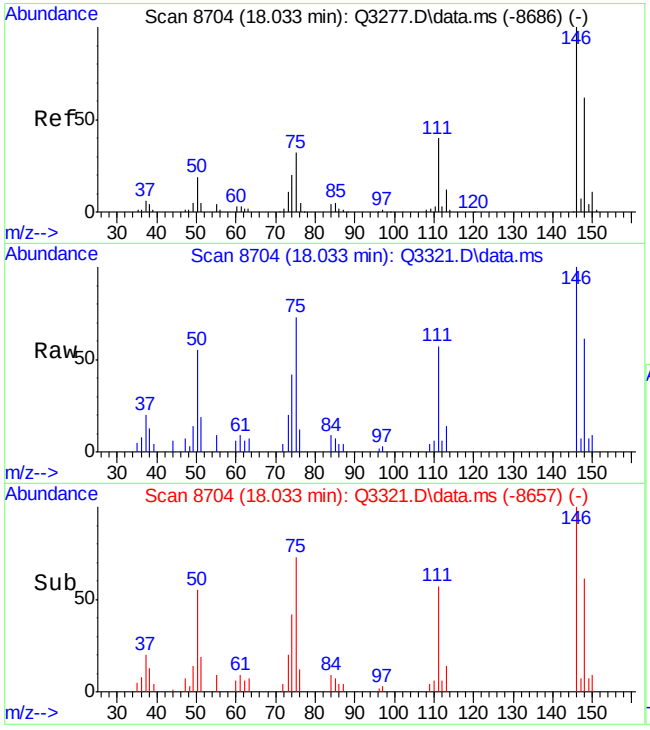


#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.55 PPBV
RT: 17.773 min Scan# 8558
Delta R.T. -0.002 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion:105 Resp: 12720

Ion	Ratio	Lower	Upper
105	100		
120	36.0	23.0	63.0
119	6.7	0.0	30.7

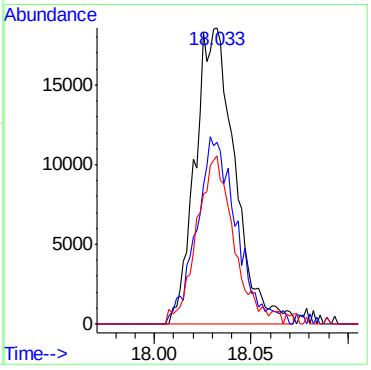




#70
p-DICHLOROBENZENE
Concen: 3.37 PPBV
RT: 18.033 min Scan# 8704
Delta R.T. 0.001 min
Lab File: Q3321.D
Acq: 2 May 2007 11:36 am

Tgt Ion:146 Resp: 26662

Ion	Ratio	Lower	Upper
146	100		
148	63.9	44.0	84.0
111	54.0	19.2	59.2



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10168.D
Acq On : 30 Apr 2007 11:41 am
Operator : danat
Sample : MB (M073)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 14:48:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	84544	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	350757	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	302320	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	82794	4.36	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 87.20%

Target Compounds	Qvalue

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

6.2.1

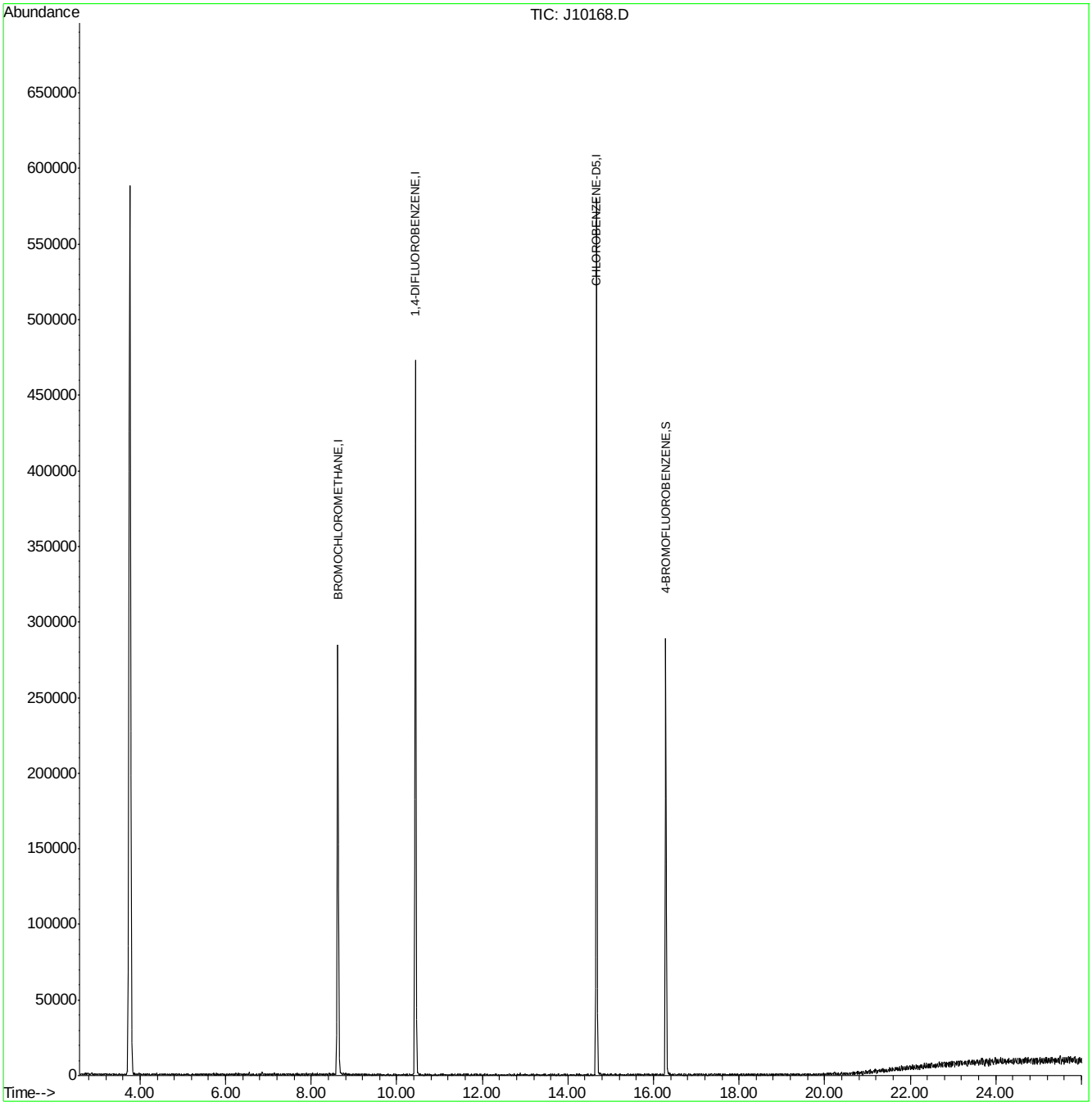
6

ACCUTEST Laboratories M64318

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10168.D
Acq On : 30 Apr 2007 11:41 am
Operator : danat
Sample : MB (M073)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 14:48:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3313.D
Acq On : 1 May 2007 1:52 pm
Operator : PhilipB
Sample : MB (M190)
Misc : MS13469,MSQ179,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 14:17:31 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	69390	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	327273	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.719	117	272006	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	108770	4.70	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.00%

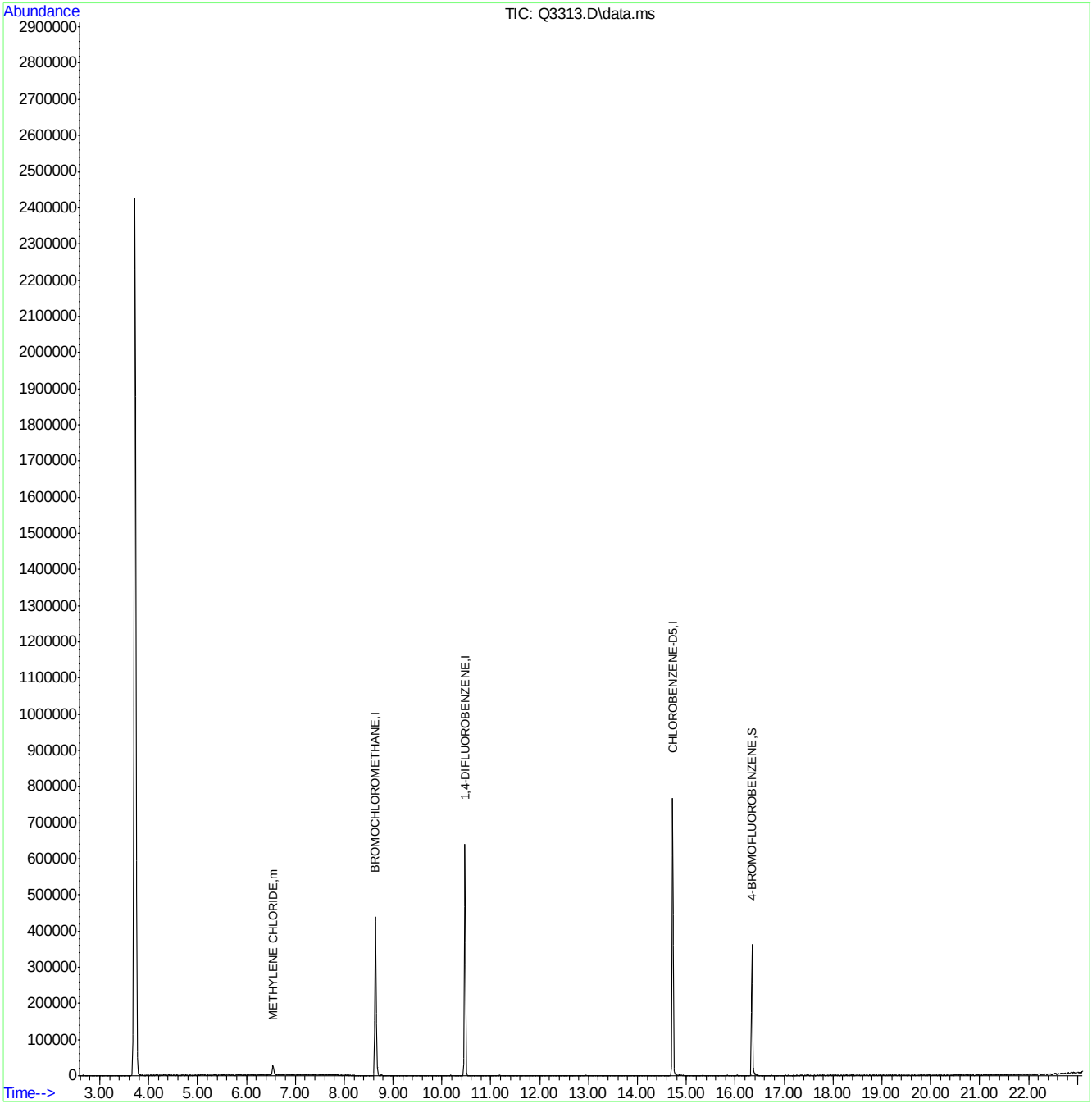
Target Compounds						Qvalue
18) METHYLENE CHLORIDE	6.546	84	13174	1.01	PPBV	74

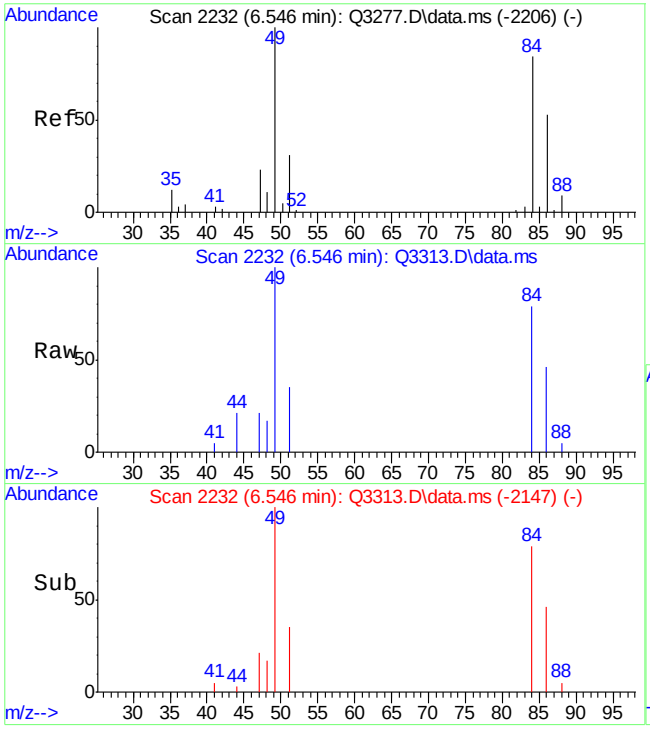
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3313.D
Acq On : 1 May 2007 1:52 pm
Operator : PhilipB
Sample : MB (M190)
Misc : MS13469,MSQ179,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 14:17:31 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

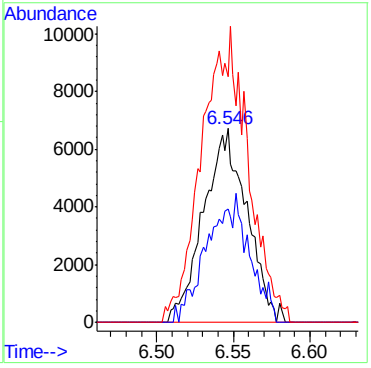




#18
METHYLENE CHLORIDE
Concen: 1.01 PPBV
RT: 6.546 min Scan# 2232
Delta R.T. 0.000 min
Lab File: Q3313.D
Acq: 1 May 2007 1:52 pm

Tgt Ion: 84 Resp: 13174

Ion	Ratio	Lower	Upper
84	100		
86	64.3	45.0	85.0
49	162.7	0.0	318.8



6.2.2

6

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 14:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10166A.D
Acq On : 30 Apr 2007 10:12 am
Operator : danat
Sample : BS (M050)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 14:42:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.66	128	81493	10.00	PPBV	0.06
35) 1,4-DIFLUOROBENZENE	10.48	114	388824	10.00	PPBV	0.06
49) CHLOROBENZENE-D5	14.70	117	350201	10.00	PPBV	0.04
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.33	95	108471	4.93	PPBV	0.04
Spiked Amount 5.000	Range 51 - 142		Recovery = 98.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	275763	8.53	PPBV	99
3) PROPYLENE	4.00	41	36310	9.31	PPBV	92
4) FREON 114	4.34	85	229173	8.83	PPBV	99
5) CHLOROMETHANE	4.25	50	50020	9.12	PPBV	96
6) VINYL CHLORIDE	4.46	62	62674	9.52	PPBV	98
7) 1,3-BUTADIENE	4.60	39	48859	9.89	PPBV	98
8) BROMOMETHANE	4.88	94	77482	9.78	PPBV	99
9) CHLOROETHANE	5.05	64	29693	9.32	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.81	101	297739	9.19	PPBV	99
12) ACETONE	5.72	43	73556	8.05	PPBV	97
13) PENTANE	6.16	42	56577	10.62	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.45	96	73814	10.31	PPBV	99
15) CARBON DISULFIDE	6.87	76	208881	9.54	PPBV	99
16) ETHANOL	5.37	45	474	0.85	PPBV #	94
17) BROMOETHENE	5.40	106	75774	9.37	PPBV	99
18) METHYLENE CHLORIDE	6.57	84	63447	9.14	PPBV	99
19) 3-CHLOROPROPENE	6.69	39	54510	8.99	PPBV	89
20) FREON 113	6.82	151	159864	9.64	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.48	96	66637	9.08	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.45	59	5641	0.50	PPBV #	58
23) METHYL TERTIARY BUTYL ETHE	7.78	73	152821	9.72	PPBV	99
24) TETRAHYDROFURAN	9.24	42	39339	8.89	PPBV	98
25) HEXANE	8.66	57	76500	8.41	PPBV	93
26) VINYL ACETATE	7.85	43	88850	9.88	PPBV	99
27) 1,1-DICHLOROETHANE	7.69	63	115568	9.44	PPBV	100
28) METHYL ETHYL KETONE	8.17	43	75477	8.58	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.49	96	62560	8.76	PPBV	95
30) ETHYL ACETATE	8.76	43	88078	9.73	PPBV #	95
31) CHLOROFORM	8.79	83	174692	9.42	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.71	97	207527	9.30	PPBV	98
33) CARBON TETRACHLORIDE	10.28	117	273870	9.72	PPBV	100
34) 1,2-DICHLOROETHANE	9.49	62	99612	9.28	PPBV	99
36) BENZENE	10.15	78	158128	8.45	PPBV	100
37) CYCLOHEXANE	10.39	84	83753	10.11	PPBV	100
38) TRICHLOROETHYLENE	11.15	95	94223	9.04	PPBV	99
39) 1,2-DICHLOROPROPANE	10.94	63	52205	8.86	PPBV	98
40) BROMODICHLOROMETHANE	11.13	83	173835	9.09	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.15	57	263795	8.99	PPBV	99
42) 1,4-DIOXANE	11.26	88	25068	7.03	PPBV	87
43) HEPTANE	11.38	43	83940	10.48	PPBV	99
44) METHYL ISOBUTYL KETONE	12.08	43	92920	8.40	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10166A.D
Acq On : 30 Apr 2007 10:12 am
Operator : danat
Sample : BS (M050)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 14:42:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

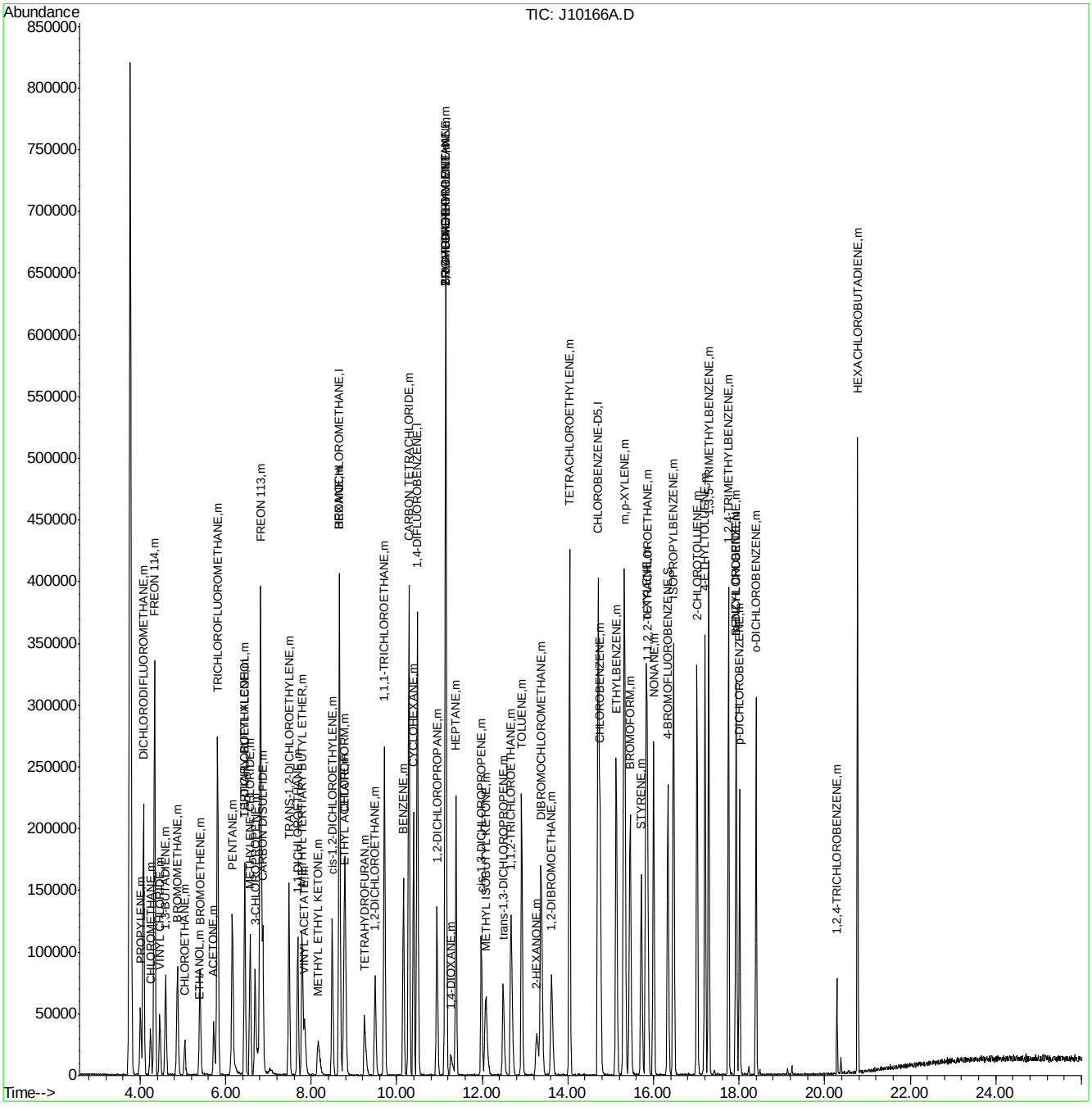
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.98	75	80263	7.95	PPBV	100
46) TOLUENE	12.92	92	120419	9.54	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.49	75	70470	8.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.67	83	60168	9.14	PPBV	100
50) 2-HEXANONE	13.27	43	66003m	6.54	PPBV	
51) TETRACHLOROETHYLENE	14.04	164	110180	8.82	PPBV	97
52) DIBROMOCHLOROMETHANE	13.37	129	177897	8.61	PPBV	100
53) 1,2-DIBROMOETHANE	13.62	107	104060	7.39	PPBV	100
54) CHLOROBENZENE	14.75	112	164992	7.95	PPBV	98
55) ETHYLBENZENE	15.13	91	280790	9.42	PPBV	100
56) m,p-XYLENE	15.32	106	224206	18.74	PPBV	87
57) o-XYLENE	15.82	106	115662	9.79	PPBV	97
58) STYRENE	15.71	104	124673	7.69	PPBV	99
59) NONANE	16.00	43	119422	10.19	PPBV	99
60) BROMOFORM	15.46	173	174231	8.14	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.86	83	153412m	7.90	PPBV	
63) ISOPROPYLBENZENE	16.47	105	344777	9.45	PPBV	100
64) 2-CHLOROTOLUENE	17.01	91	226241	8.85	PPBV	100
65) 4-ETHYLTOLUENE	17.20	105	286747	9.61	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.29	105	276081	9.13	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.75	105	233435	8.28	PPBV	99
68) m-DICHLOROBENZENE	17.94	146	127943	5.67	PPBV	99
69) BENZYL CHLORIDE	17.92	91	90534	4.74	PPBV	100
70) p-DICHLOROBENZENE	18.01	146	103593	4.76	PPBV	96
71) o-DICHLOROBENZENE	18.39	146	125278	8.01	PPBV	99
72) HEXACHLOROBUTADIENE	20.77	225	84791	3.69	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.29	180	22139	2.08	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10166A.D
Acq On : 30 Apr 2007 10:12 am
Operator : danat
Sample : BS (M050)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 14:42:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

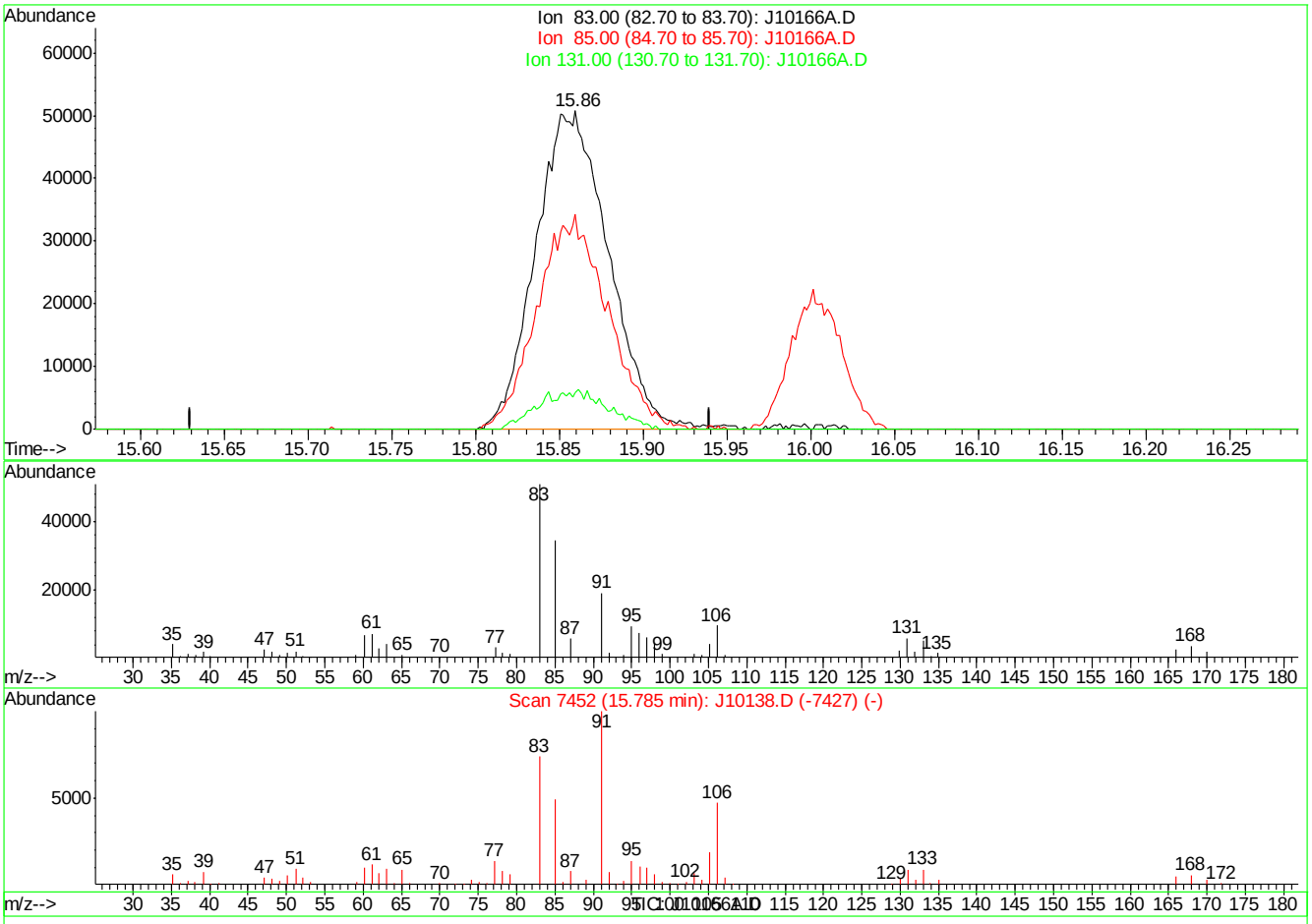


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10166A.D Vial: 2
Acq On : 30 Apr 2007 10:12 am Operator: danat
Sample : BS (M050) Inst : MSJ
Misc : MS13445, MSJ526,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 30 14:42:59 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration



(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.86min 7.90PPBV m

response 153412

Ion	Exp%	Act%
83.00	100	100
85.00	64.90	0.00#
131.00	12.00	0.00
0.00	0.00	0.00

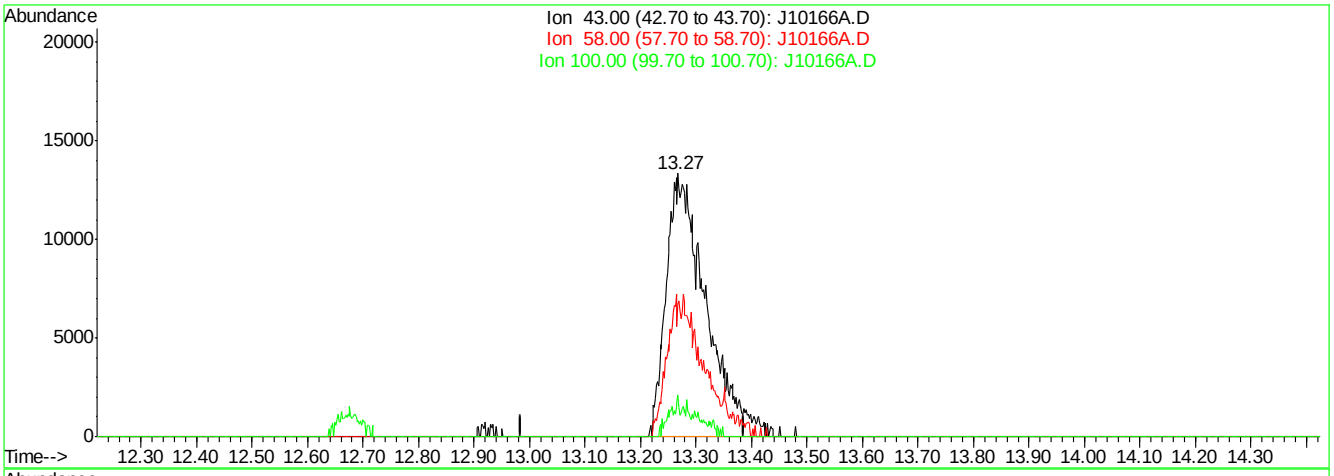
J10166A.D J042607T.M Mon Apr 30 14:47:00 2007

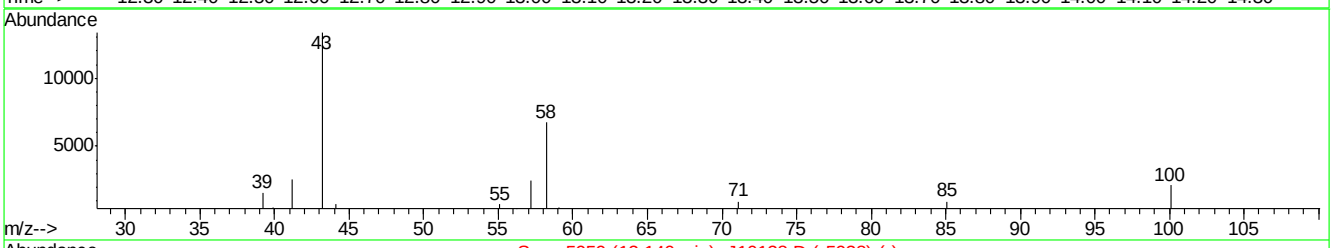
Quantitation Report (Qedit)

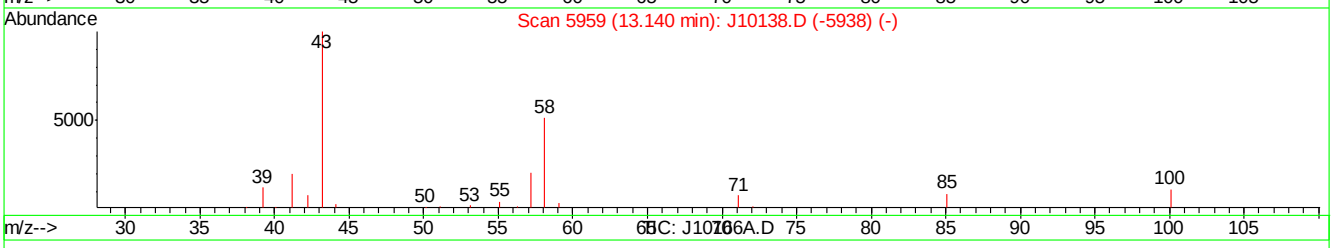
Data File : C:\MSDCHEM\1\DATA\J10166A.D Vial: 2
Acq On : 30 Apr 2007 10:12 am Operator: danat
Sample : BS (M050) Inst : MSJ
Misc : MS13445, MSJ526,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 30 14:42:59 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration







(50) 2-HEXANONE (m)

13.27min 6.54PPBV m

response 66003

Ion	Exp%	Act%
43.00	100	100
58.00	51.80	0.00#
100.00	11.10	0.00
0.00	0.00	0.00

J10166A.D J042607T.M Mon Apr 30 14:47:09 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/04/07 19:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312A.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : BS (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:14:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	91182	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	443535	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	398499	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	176816	5.22	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	635328	12.30	PPBV	96
3) PROPYLENE	3.966	41	156589	11.46	PPBV	96
4) FREON 114	4.296	85	578646	11.84	PPBV	85
5) CHLOROMETHANE	4.202	50	191692	12.20	PPBV	99
6) VINYL CHLORIDE	4.418	62	201358	11.97	PPBV	98
7) 1,3-BUTADIENE	4.557	39	186112	12.61	PPBV	82
8) BROMOMETHANE	4.832	94	174697	11.56	PPBV	98
9) CHLOROETHANE	5.011	64	76314	10.26	PPBV	93
10) TRICHLOROFLUOROMETHANE	5.792	101	633447	12.71	PPBV	99
11) ISOPROPYL ALCOHOL	5.826	45	249072	7.46	PPBV	94
12) ACETONE	5.597	43	235260	10.04	PPBV	93
13) PENTANE	6.149	42	197175	12.47	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.429	96	179078	12.38	PPBV #	67
15) CARBON DISULFIDE	6.862	76	597313	11.94	PPBV	94
16) ETHANOL	5.093	45	43039	9.59	PPBV	93
17) BROMOETHENE	5.370	106	155273	11.18	PPBV #	95
18) METHYLENE CHLORIDE	6.543	84	152618	11.21	PPBV	76
19) 3-CHLOROPROPENE	6.667	39	151401	9.47	PPBV	90
20) FREON 113	6.804	151	265363	11.58	PPBV #	68
21) TRANS-1,2-DICHLOROETHY...	7.473	96	104490	7.95	PPBV #	44
22) TERTIARY BUTYL ALCOHOL	6.431	59	313478	8.87	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.714	73	260134	7.43	PPBV	82
24) TETRAHYDROFURAN	9.146	42	134290	7.76	PPBV	76
25) HEXANE	8.676	57	211571	8.51	PPBV	86
26) VINYL ACETATE	7.794	43	273846	7.20	PPBV	89
27) 1,1-DICHLOROETHANE	7.668	63	260018	8.71	PPBV	96
28) METHYL ETHYL KETONE	8.037	43	262796	7.53	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.477	96	91737	8.24	PPBV #	64
30) ETHYL ACETATE	8.671	43	484344	8.22	PPBV	97
31) CHLOROFORM	8.761	83	297287	8.71	PPBV	93
32) 1,1,1-TRICHLOROETHANE	9.718	97	282813	8.88	PPBV	90
33) CARBON TETRACHLORIDE	10.300	117	321906	9.54	PPBV	99
34) 1,2-DICHLOROETHANE	9.471	62	198376	8.55	PPBV	99
36) BENZENE	10.158	78	278679	8.11	PPBV	94
37) CYCLOHEXANE	10.424	84	130460	9.23	PPBV #	70
38) TRICHLOROETHYLENE	11.155	95	149679	9.14	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.934	63	115267	7.91	PPBV	94
40) BROMODICHLOROMETHANE	11.118	83	276835	9.39	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	627990	9.00	PPBV	96
42) 1,4-DIOXANE	11.139	88	47239	8.82	PPBV #	70
43) HEPTANE	11.418	43	276698	9.68	PPBV	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312A.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : BS (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:14:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

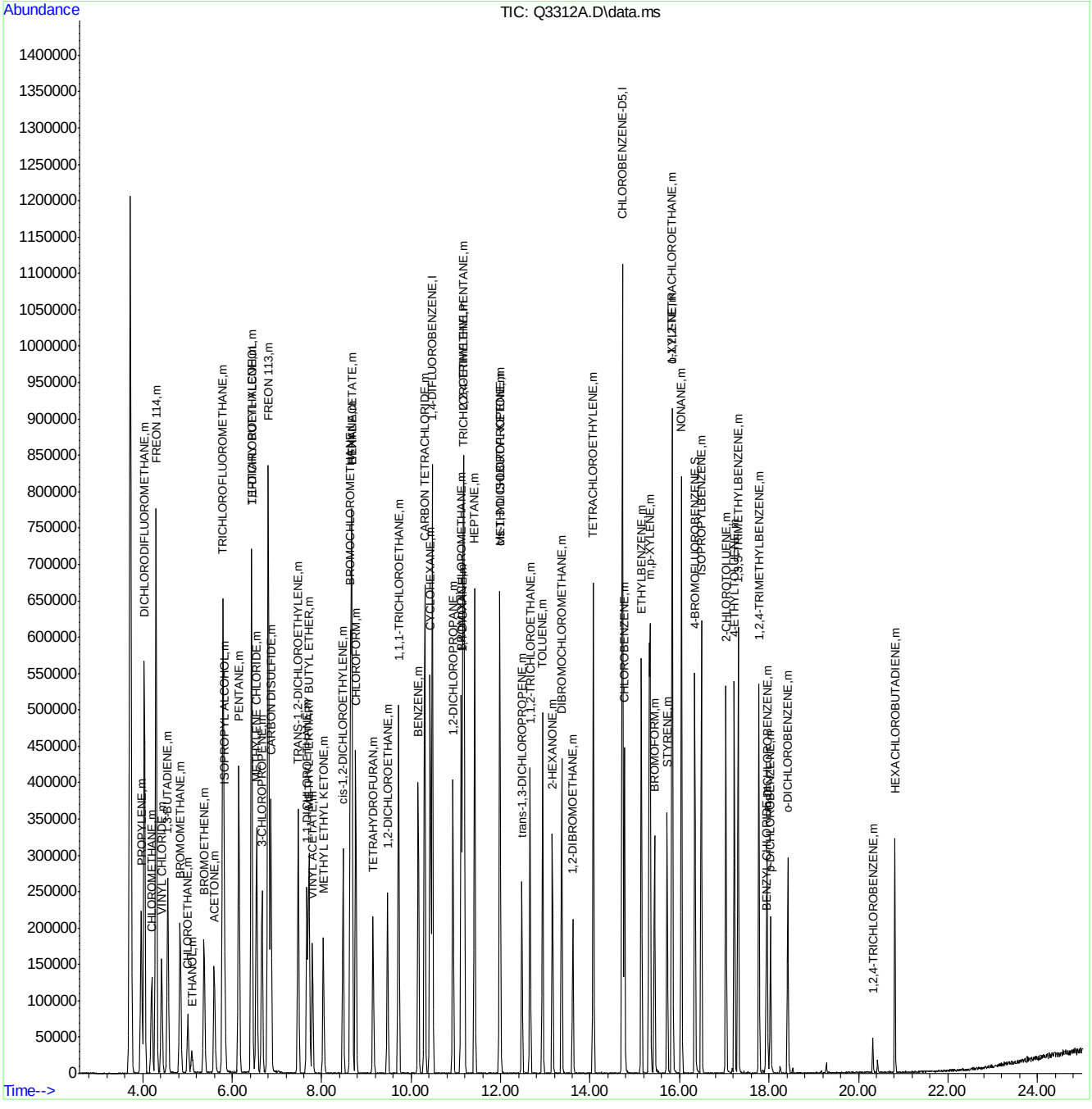
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	319763	8.86	PPBV	87
45) cis-1,3-DICHLOROPROPENE	11.972	75	142847	7.80	PPBV #	66
46) TOLUENE	12.936	92	150967	7.48	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.476	75	105798	8.32	PPBV #	79
48) 1,1,2-TRICHLOROETHANE	12.659	83	95314	7.81	PPBV	90
50) 2-HEXANONE	13.157	43	235141	8.56	PPBV	87
51) TETRACHLOROETHYLENE	14.071	164	83578	7.52	PPBV #	79
52) DIBROMOCHLOROMETHANE	13.365	129	170465	8.35	PPBV	99
53) 1,2-DIBROMOETHANE	13.612	107	122144	7.27	PPBV	97
54) CHLOROBENZENE	14.765	112	158812	6.91	PPBV #	78
55) ETHYLBENZENE	15.143	91	344418	7.32	PPBV	94
56) m,p-XYLENE	15.342	106	221656m	14.10	PPBV	
57) o-XYLENE	15.843	106	112085	7.08	PPBV #	79
58) STYRENE	15.722	104	119932	6.65	PPBV	89
59) NONANE	16.043	43	336904	8.35	PPBV	86
60) BROMOFORM	15.438	173	104782	7.01	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	226438	7.51	PPBV	98
63) ISOPROPYLBENZENE	16.487	105	333566	6.90	PPBV	91
64) 2-CHLOROTOLUENE	17.035	91	249531	6.97	PPBV	85
65) 4-ETHYLTOLUENE	17.225	105	266224	7.49	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	269844	7.35	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	225207	6.94	PPBV	92
68) m-DICHLOROBENZENE	17.956	146	70095	5.69	PPBV	92
69) BENZYL CHLORIDE	17.932	91	81032	5.32	PPBV	89
70) p-DICHLOROBENZENE	18.033	146	55704	5.07	PPBV	91
71) o-DICHLOROBENZENE	18.416	146	70040	5.37	PPBV	91
72) HEXACHLOROBUTADIENE	20.816	225	25215	6.82	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.324	180	7188	4.23	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312A.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : BS (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:14:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

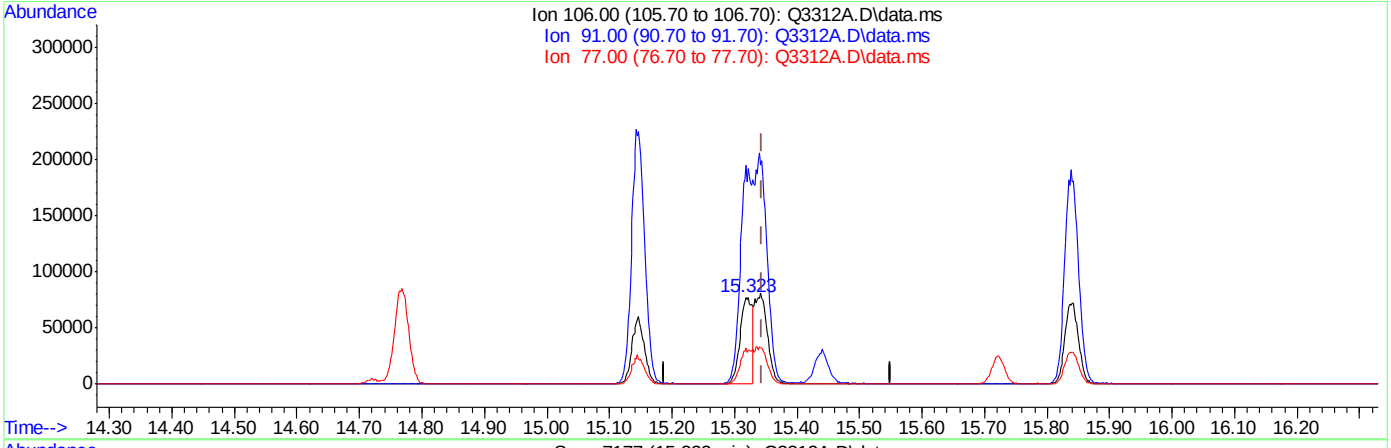


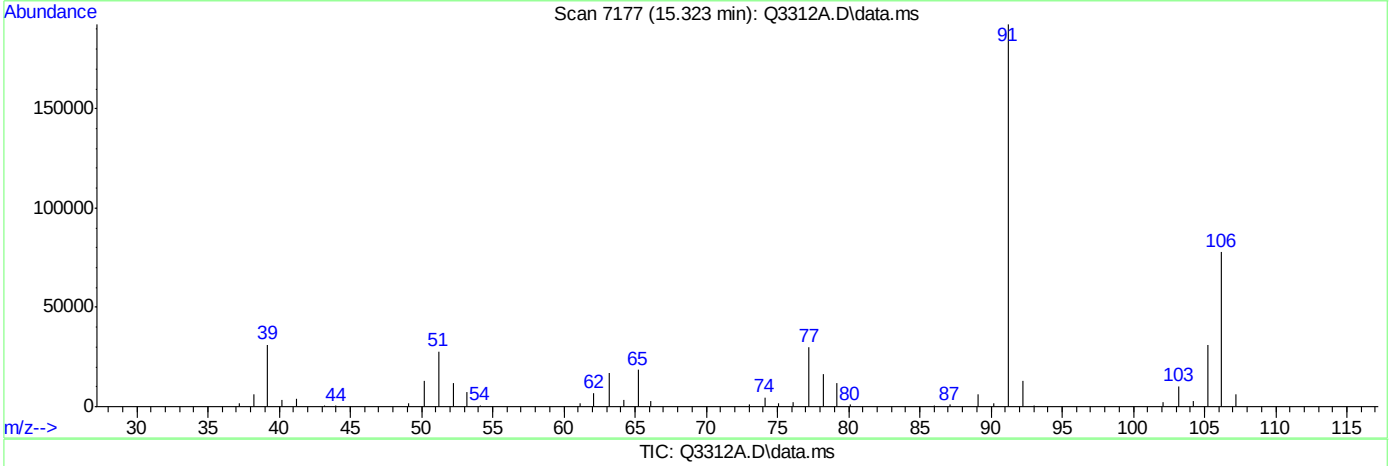
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312A.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:14:36 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration





TIC: Q3312A.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 6.77PPBV

response 106433

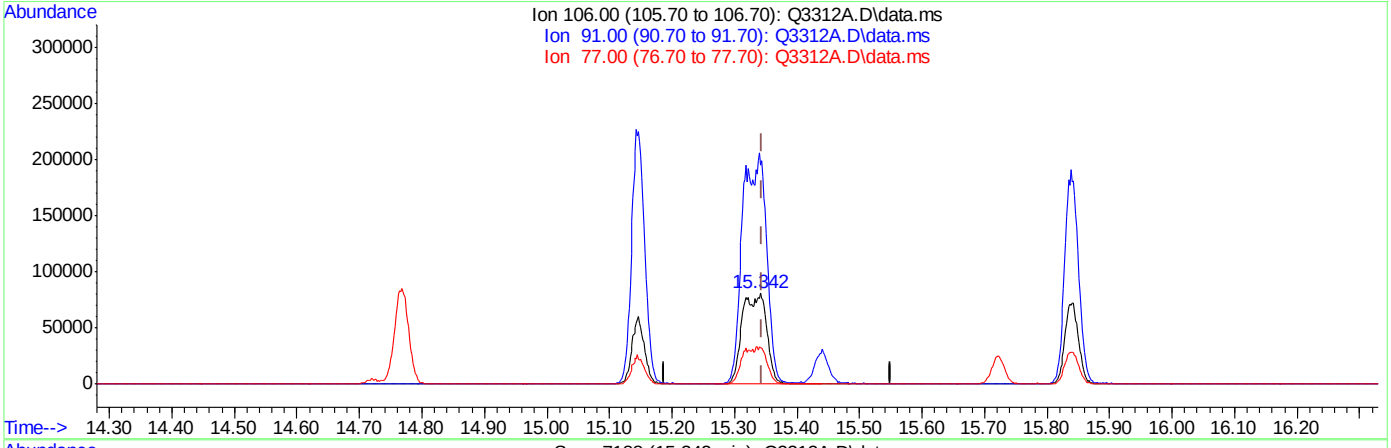
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	247.67
77.00	31.20	38.71#
0.00	0.00	0.00

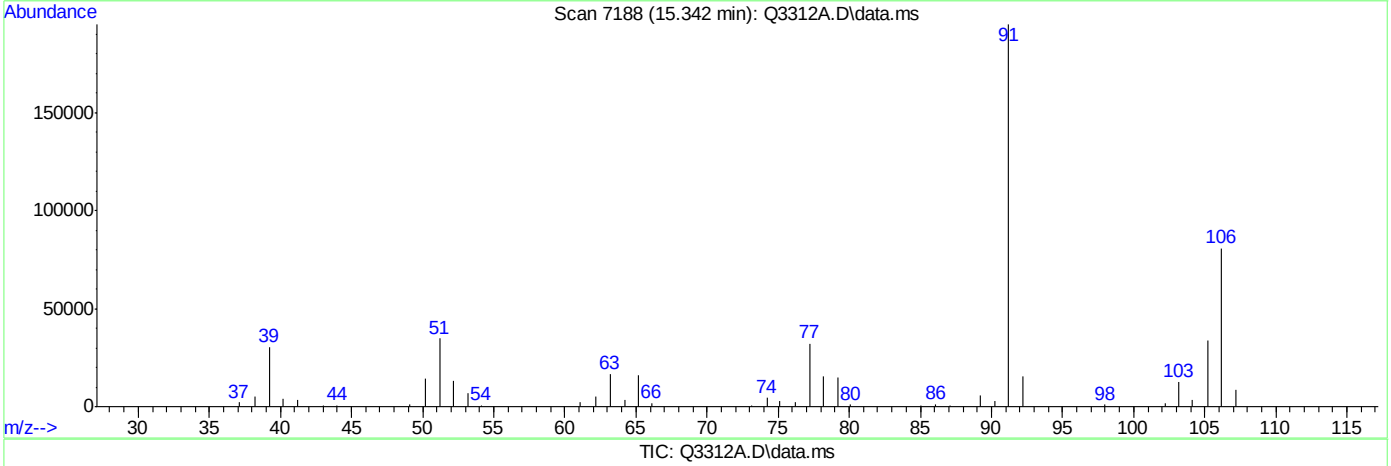
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312A.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:14:36 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration





TIC: Q3312A.D\data.ms

(56) m,p-XYLENE (m)

15.342min (-0.002) 14.10PPBV m

response 221656

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	241.28
77.00	31.20	39.85#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10172.D
Acq On : 30 Apr 2007 2:54 pm
Operator : danat
Sample : M64241-1DUP (M009)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 30 15:39:13 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	76143	10.00	PPBV	0.03
35) 1,4-DIFLUOROBENZENE	10.44	114	311582	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	260979	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	68810	4.20	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 84.00%

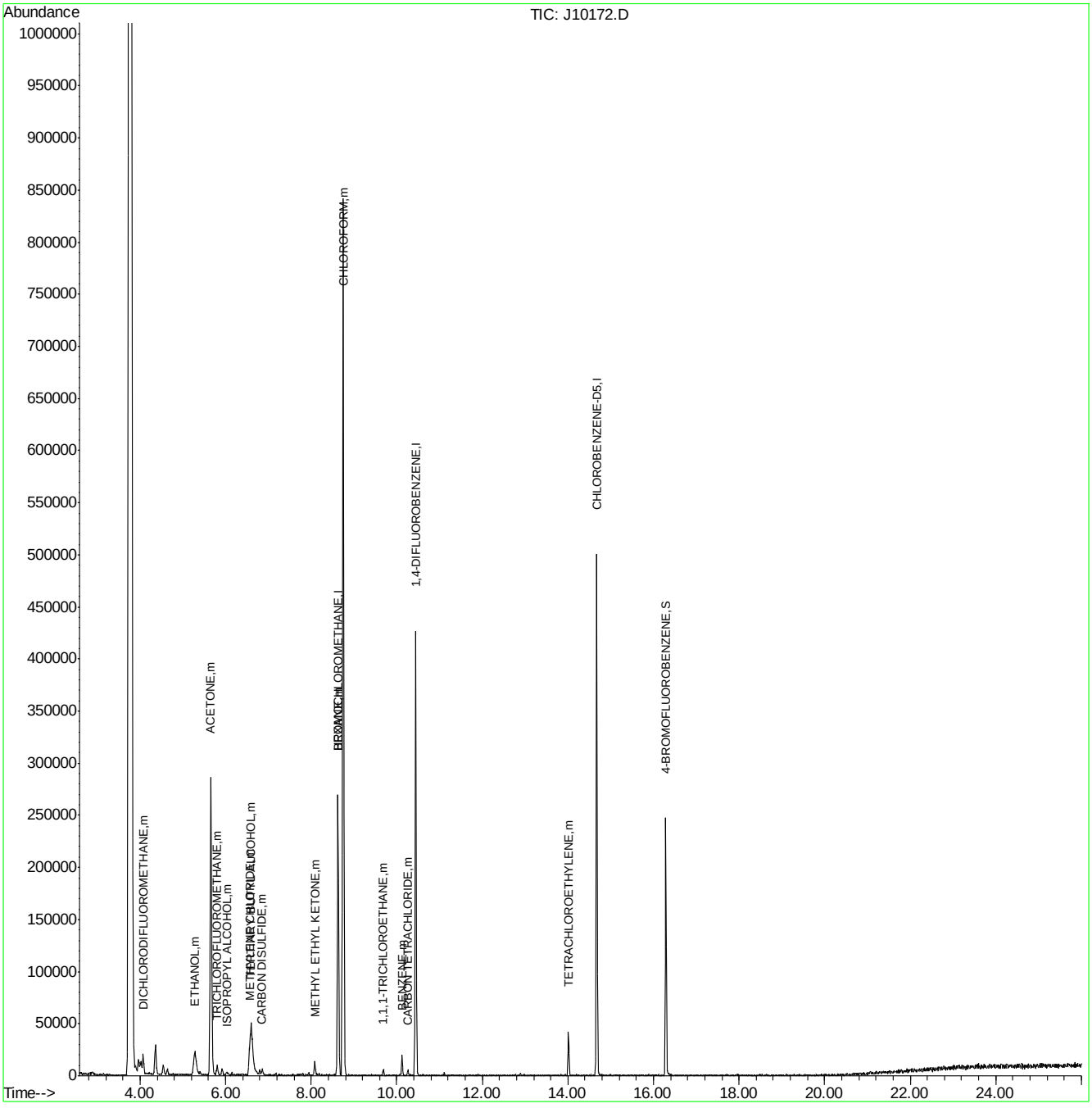
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	21100	0.70	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.81	101	9603	0.32	PPBV	96
11) ISOPROPYL ALCOHOL	6.03	45	4748	0.60	PPBV	99
12) ACETONE	5.65	43	253902	29.72	PPBV	86
15) CARBON DISULFIDE	6.86	76	9127	0.45	PPBV	65
16) ETHANOL	5.28	45	51885	42.86	PPBV #	56
18) METHYLENE CHLORIDE	6.55	84	10425	1.13	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.60	59	109441	10.41	PPBV	92
25) HEXANE	8.63	57	2501	0.29	PPBV	93
28) METHYL ETHYL KETONE	8.08	43	17264	2.10	PPBV	91
31) CHLOROFORM	8.75	83	667923	38.56	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	4896	0.23	PPBV #	74
33) CARBON TETRACHLORIDE	10.26	117	3021	0.11	PPBV	91
36) BENZENE	10.13	78	15434	1.03	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	8851	0.95	PPBV	99

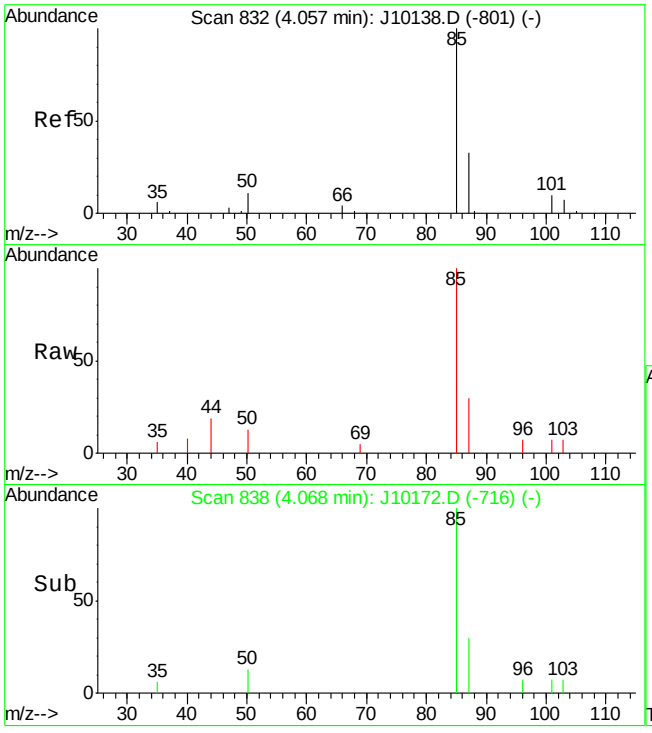
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10172.D
Acq On : 30 Apr 2007 2:54 pm
Operator : danat
Sample : M64241-1DUP (M009)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 30 15:39:13 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

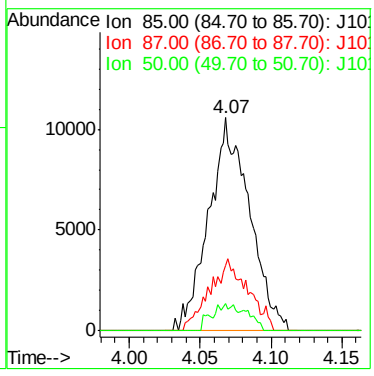


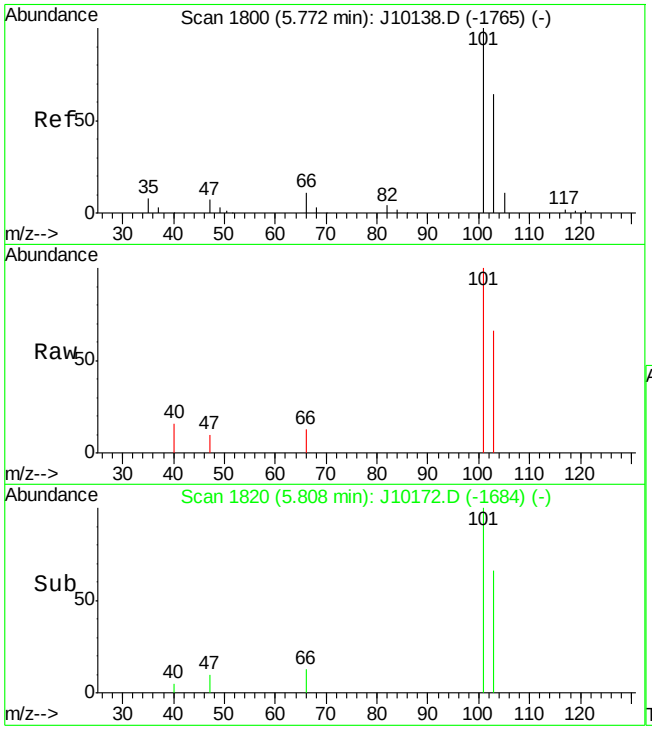


#2
DICHLORODIFLUOROMETHANE
Concen: 0.70 PPBV
RT: 4.07 min Scan# 838
Delta R.T. 0.01 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 85 Resp: 21100

Ion	Ratio	Lower	Upper
85	100		
87	31.7	12.7	52.7
50	10.9	0.0	31.4

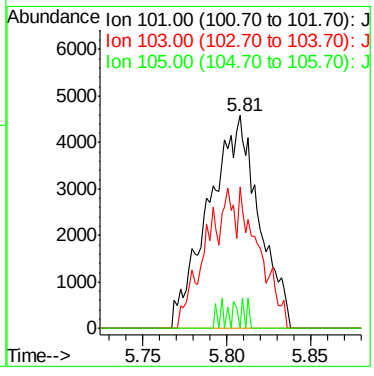


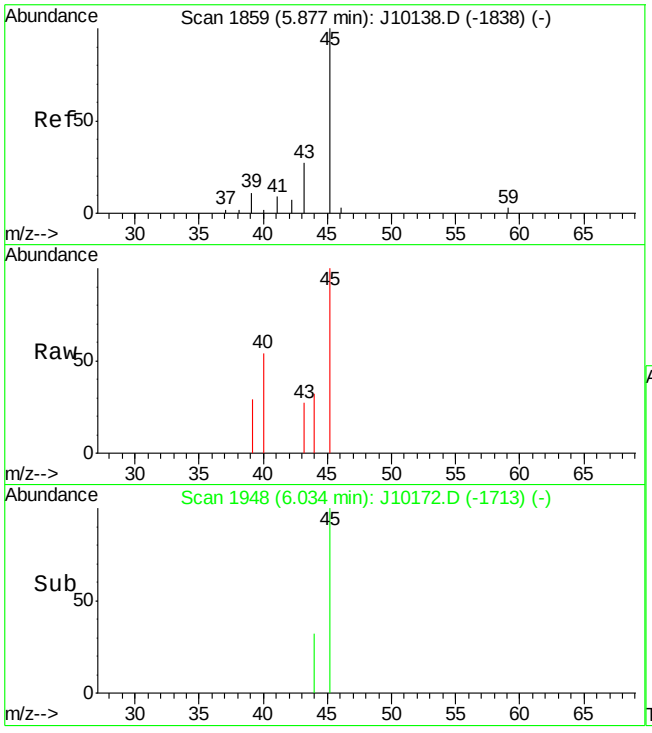


#10
TRICHLOROFLUOROMETHANE
Concen: 0.32 PPBV
RT: 5.81 min Scan# 1820
Delta R.T. 0.04 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion:101 Resp: 9603

Ion	Ratio	Lower	Upper
101	100		
103	65.6	44.7	84.7
105	3.1	0.0	30.7

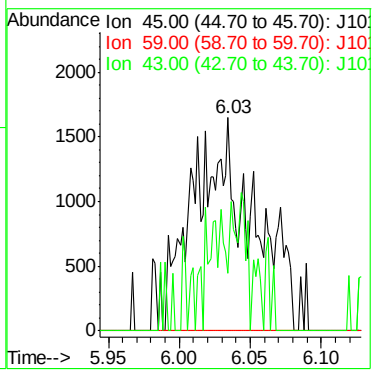


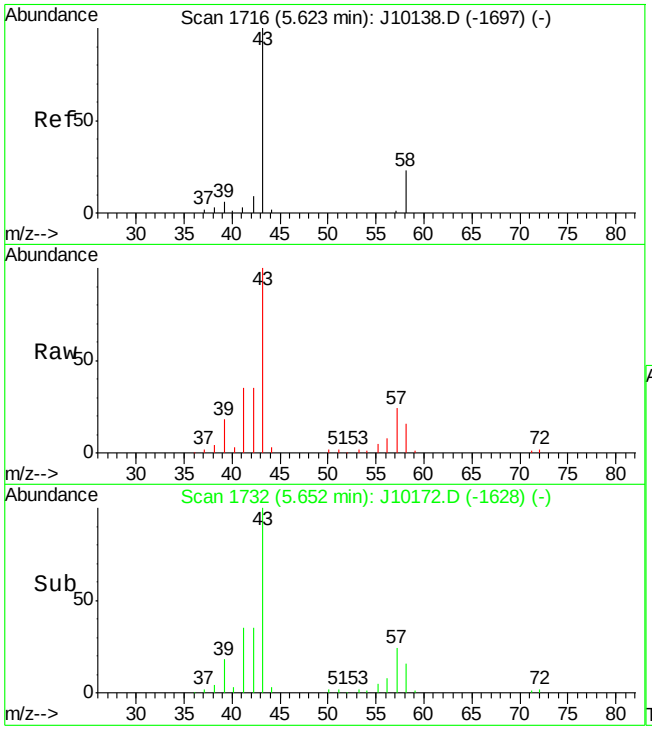


#11
ISOPROPYL ALCOHOL
Concen: 0.60 PPBV
RT: 6.03 min Scan# 1948
Delta R.T. 0.16 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 45 Resp: 4748

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	22.6
43	27.0	7.0	47.0

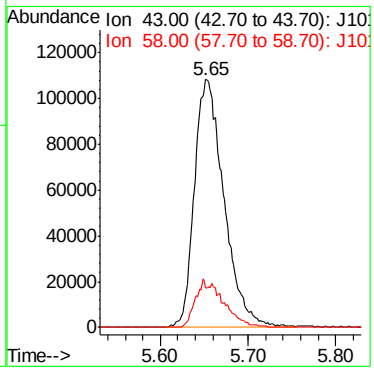


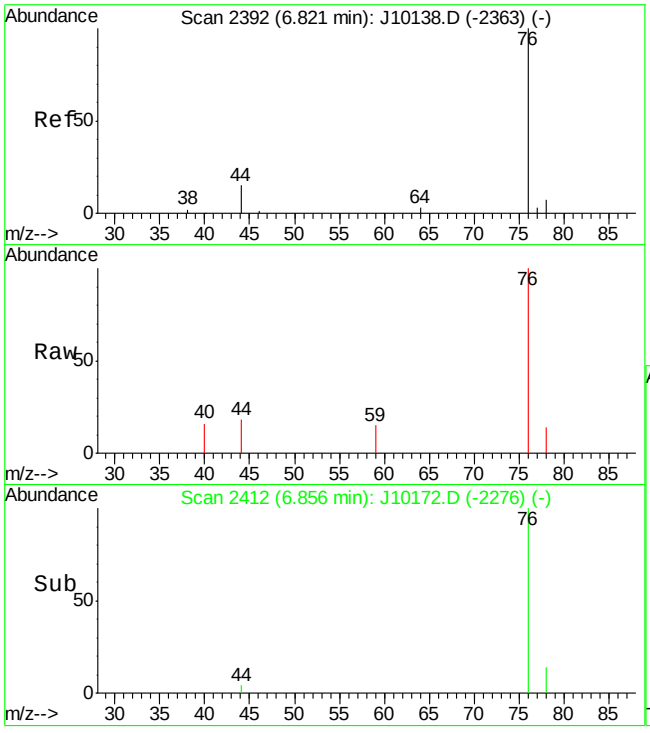


#12
ACETONE
Concen: 29.72 PPBV
RT: 5.65 min Scan# 1732
Delta R.T. 0.03 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 43 Resp: 253902

Ion	Ratio	Lower	Upper
43	100		
58	18.3	5.2	45.2

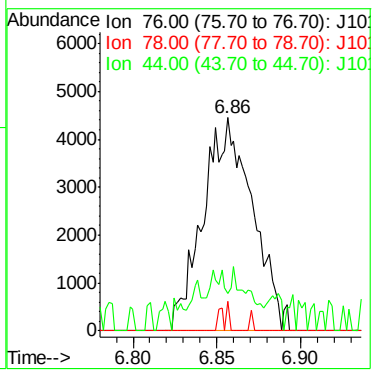


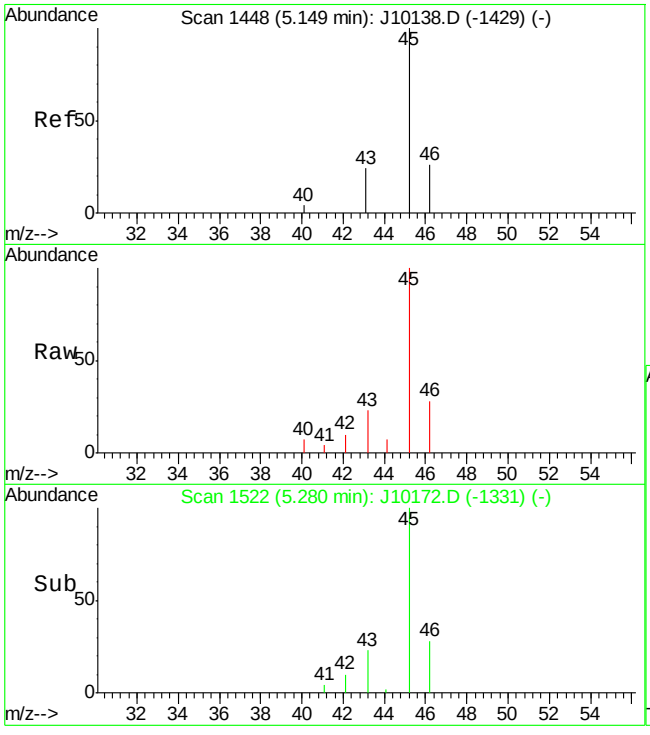


#15
CARBON DISULFIDE
Concen: 0.45 PPBV
RT: 6.86 min Scan# 2412
Delta R.T. 0.04 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 76 Resp: 9127

Ion	Ratio	Lower	Upper
76	100		
78	1.8	0.0	29.2
44	35.0	0.0	36.5

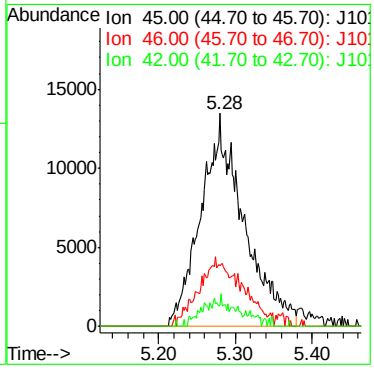


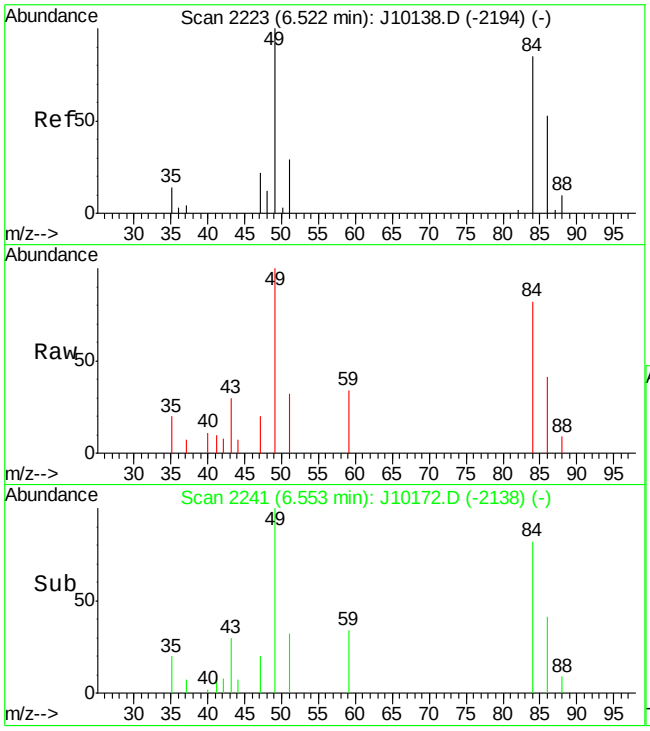


#16
ETHANOL
Concen: 42.86 PPBV
RT: 5.28 min Scan# 1522
Delta R.T. 0.13 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 45 Resp: 51885

Ion	Ratio	Lower	Upper
45	100		
46	33.1	0.0	29.9#
42	9.0	0.0	25.5

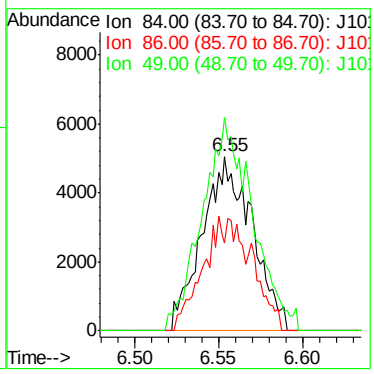


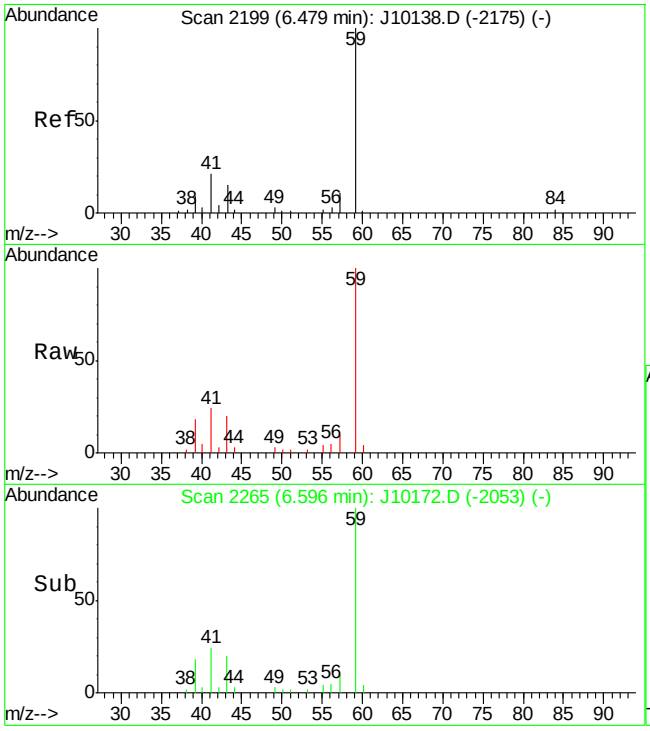


#18
METHYLENE CHLORIDE
Concen: 1.13 PPBV
RT: 6.55 min Scan# 2241
Delta R.T. 0.03 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 84 Resp: 10425

Ion	Ratio	Lower	Upper
84	100		
86	63.8	45.2	85.2
49	123.6	0.0	321.5

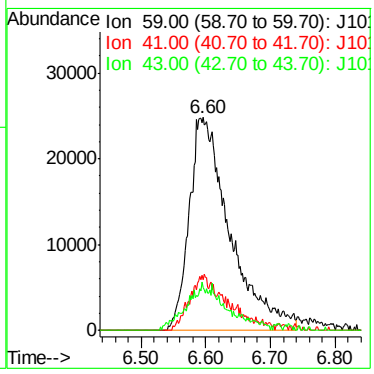


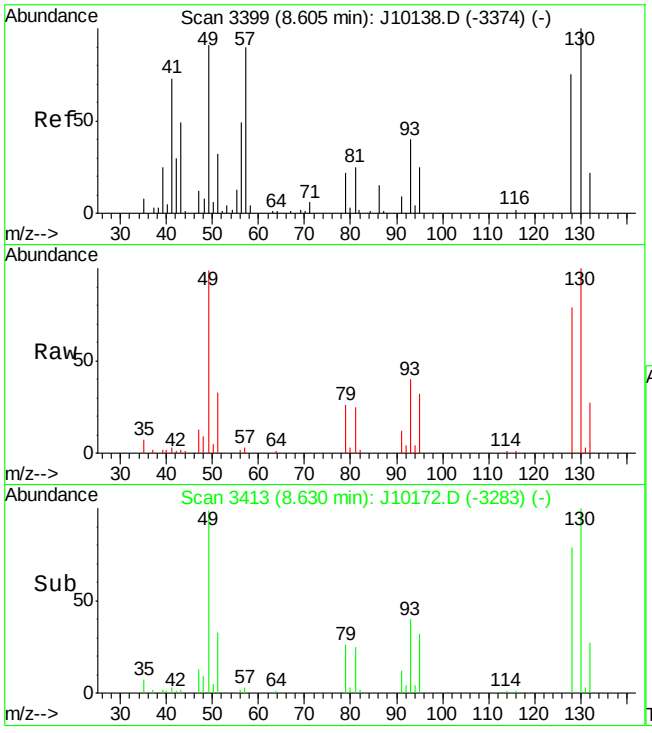


#22
TERTIARY BUTYL ALCOHOL
Concen: 10.41 PPBV
RT: 6.60 min Scan# 2265
Delta R.T. 0.12 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 59 Resp: 109441

Ion	Ratio	Lower	Upper
59	100		
41	23.9	1.3	41.3
43	21.7	0.0	36.7

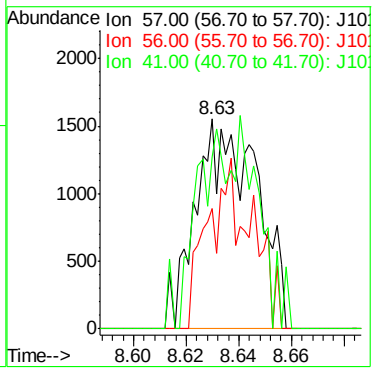


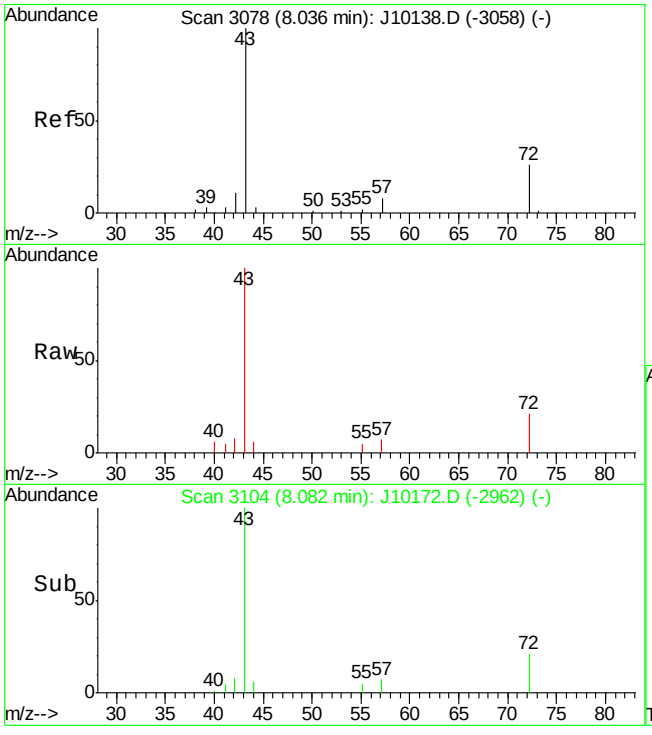


#25
HEXANE
Concen: 0.29 PPBV
RT: 8.63 min Scan# 3413
Delta R.T. 0.02 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 57 Resp: 2501

Ion	Ratio	Lower	Upper
57	100		
56	57.5	36.0	76.0
41	92.6	63.3	103.3

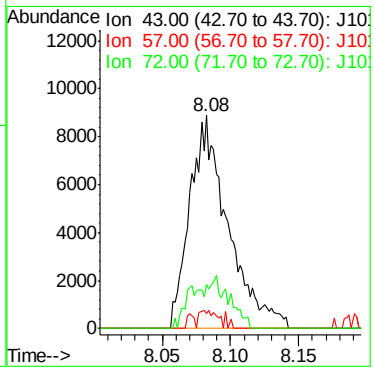


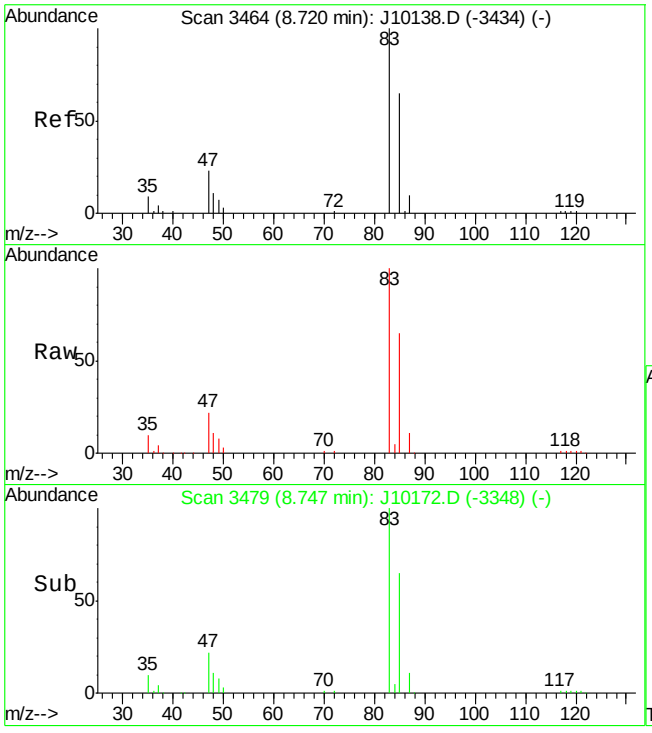


#28
METHYL ETHYL KETONE
Concen: 2.10 PPBV
RT: 8.08 min Scan# 3104
Delta R.T. 0.05 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 43 Resp: 17264

Ion	Ratio	Lower	Upper
43	100		
57	7.2	0.0	27.8
72	20.7	6.4	46.4

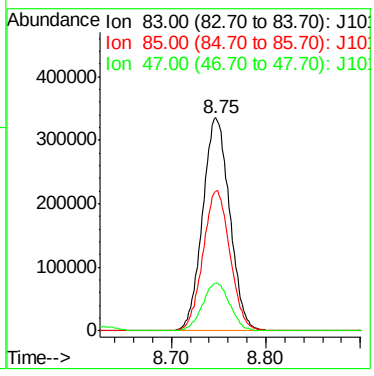


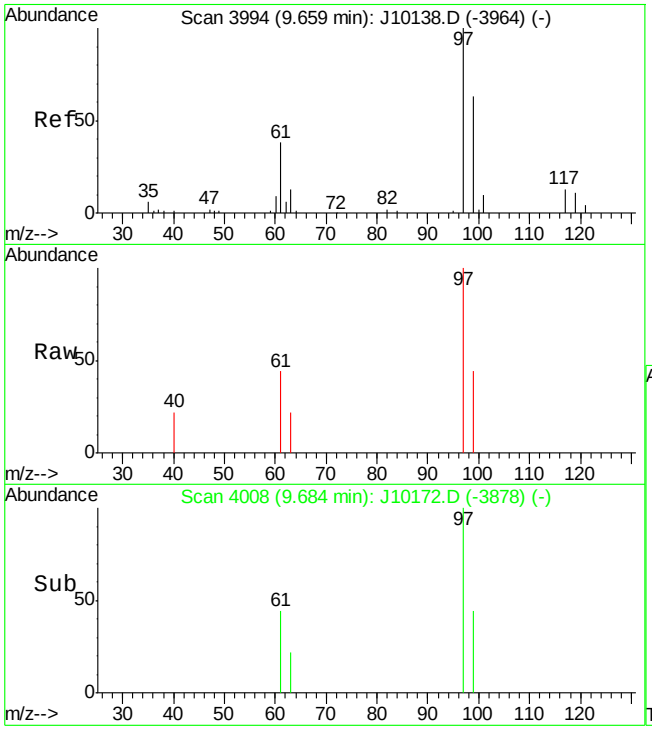


#31
CHLOROFORM
Concen: 38.56 PPBV
RT: 8.75 min Scan# 3479
Delta R.T. 0.03 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 83 Resp: 667923

Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.4	85.4
47	22.7	2.2	42.2

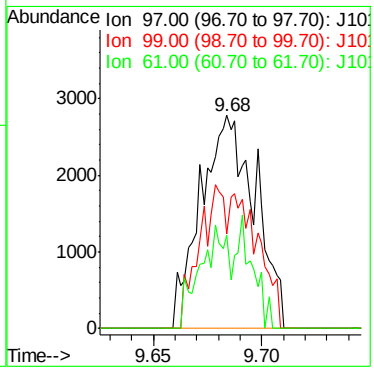


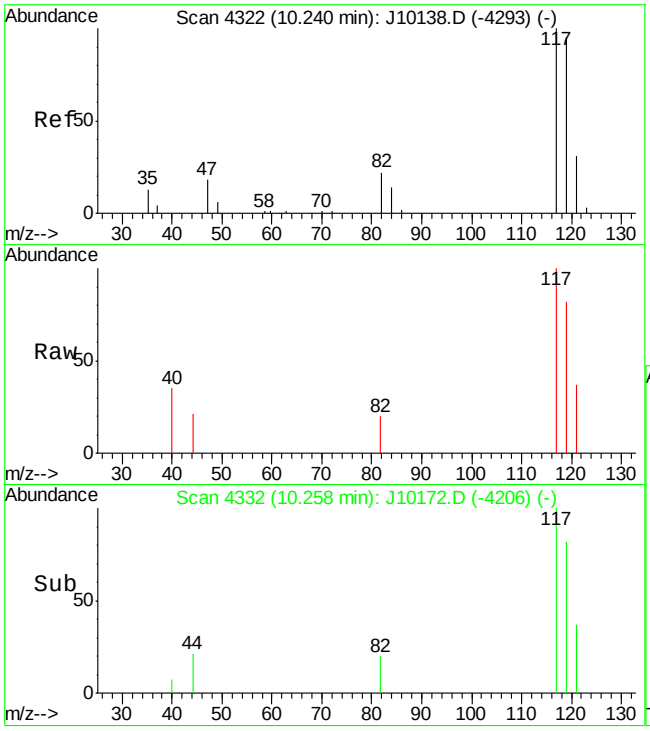


#32
1,1,1-TRICHLOROETHANE
Concen: 0.23 PPBV
RT: 9.68 min Scan# 4008
Delta R.T. 0.02 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 97 Resp: 4896

Ion	Ratio	Lower	Upper
97	100		
99	32.0	44.1	84.1#
61	40.9	19.5	59.5

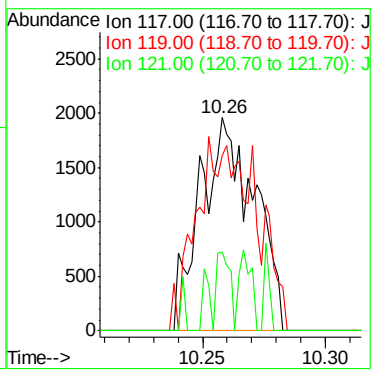


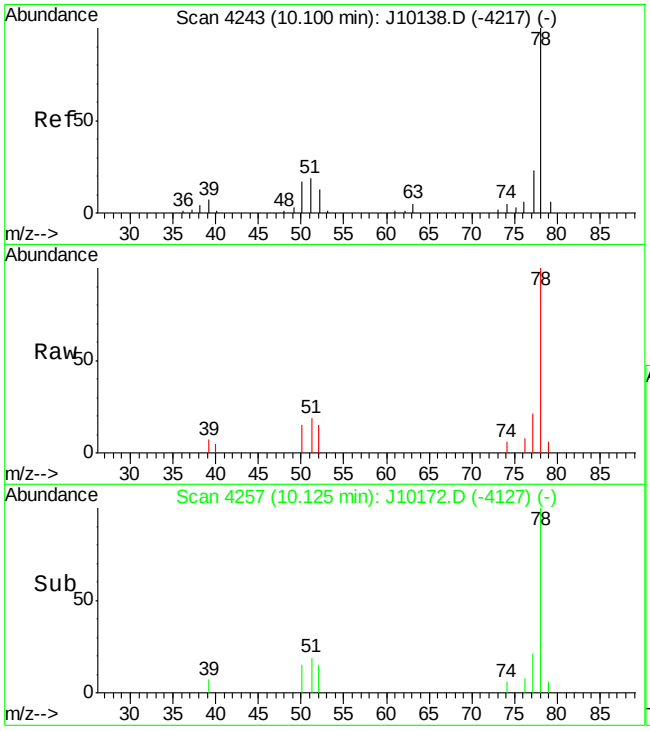


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.26 min Scan# 4332
Delta R.T. 0.02 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion:117 Resp: 3021

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.5	116.5
121	12.6	11.5	51.5

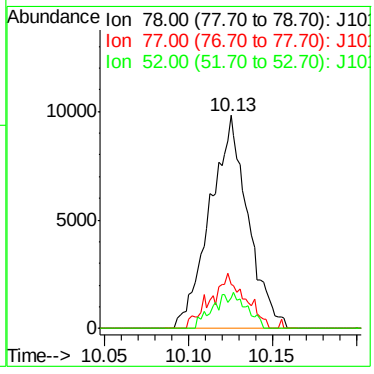


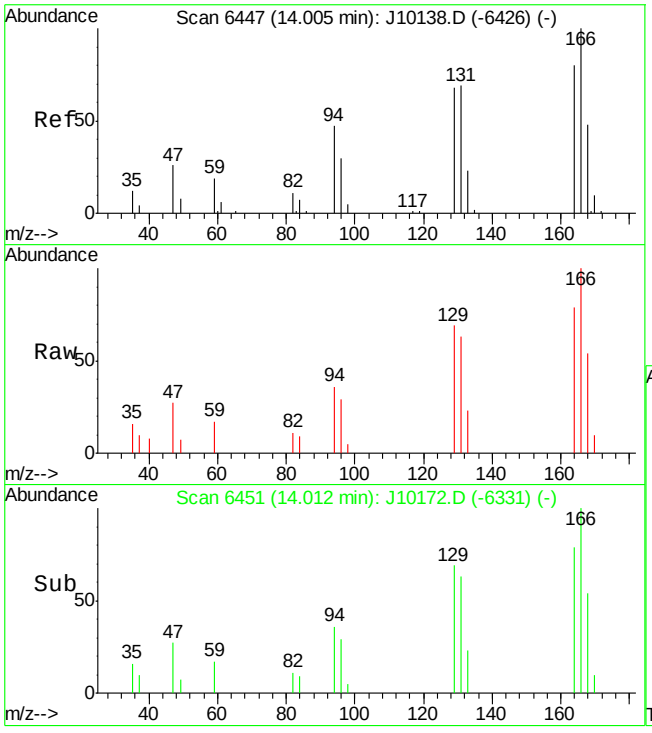


#36
BENZENE
Concen: 1.03 PPBV
RT: 10.13 min Scan# 4257
Delta R.T. 0.02 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion: 78 Resp: 15434

Ion	Ratio	Lower	Upper
78	100		
77	23.2	4.7	44.7
52	14.8	0.0	35.3

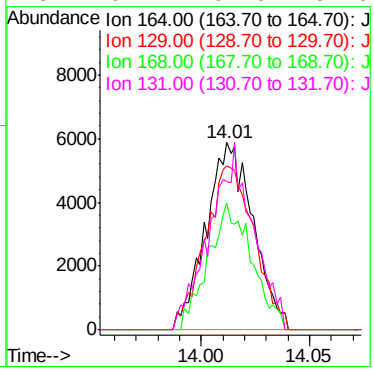




#51
TETRACHLOROETHYLENE
Concen: 0.95 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. 0.01 min
Lab File: J10172.D
Acq: 30 Apr 2007 2:54 pm

Tgt Ion:164 Resp: 8851

Ion	Ratio	Lower	Upper
164	100		
129	91.0	70.9	110.9
168	62.5	42.4	82.4
131	91.1	67.9	107.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3316.D
Acq On : 1 May 2007 4:14 pm
Operator : PhilipB
Sample : M64265-2DUP
Misc : MS13469,MSQ179,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 16:55:25 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	62732	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	308370	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	260327	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	105353	4.76	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 95.20%

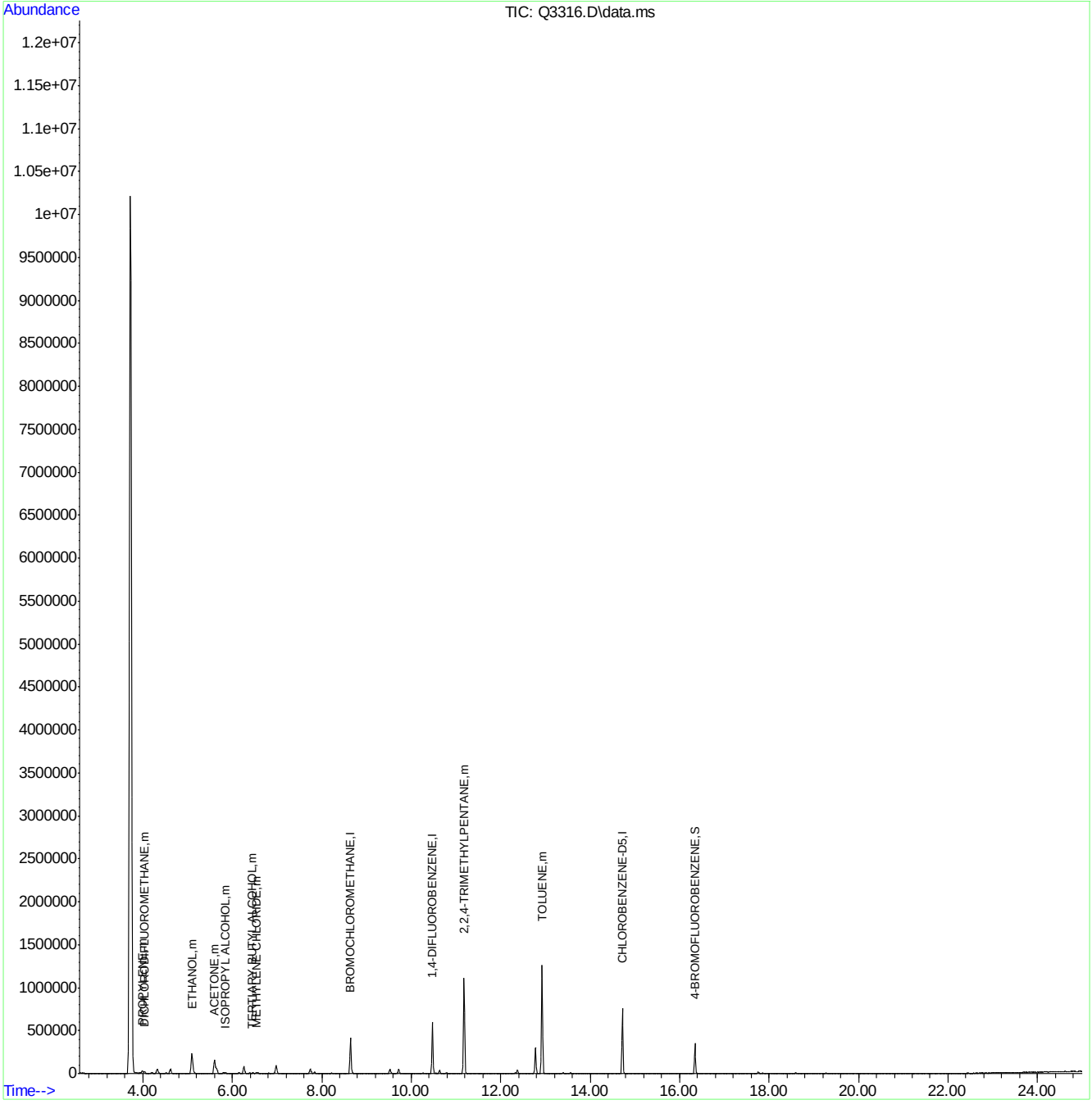
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	25457	0.65	PPBV	76
3) PROPYLENE	3.987	41	11356	0.80	PPBV #	55
11) ISOPROPYL ALCOHOL	5.840	45	9662	0.42	PPBV	80
12) ACETONE	5.598	43	290964	18.73	PPBV	89
16) ETHANOL	5.098	45	349335	113.18	PPBV	93
18) METHYLENE CHLORIDE	6.550	84	5781	0.34	PPBV	53
22) TERTIARY BUTYL ALCOHOL	6.449	59	5316	0.22	PPBV #	48
41) 2,2,4-TRIMETHYLPENTANE	11.184	57	865669	17.84	PPBV	93
46) TOLUENE	12.934	92	5613	0.40	PPBV #	74

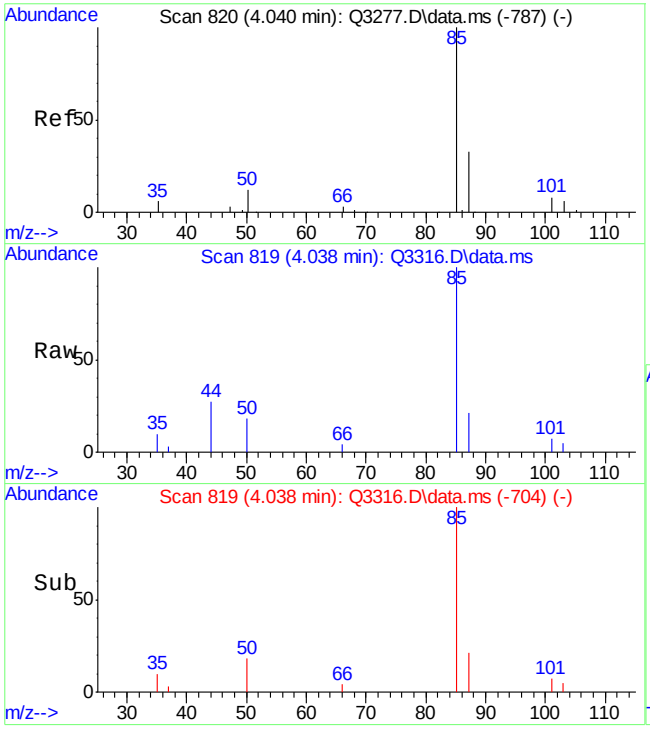
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3316.D
Acq On : 1 May 2007 4:14 pm
Operator : PhilipB
Sample : M64265-2DUP
Misc : MS13469,MSQ179,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 16:55:25 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

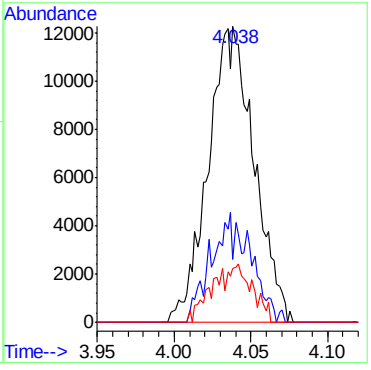


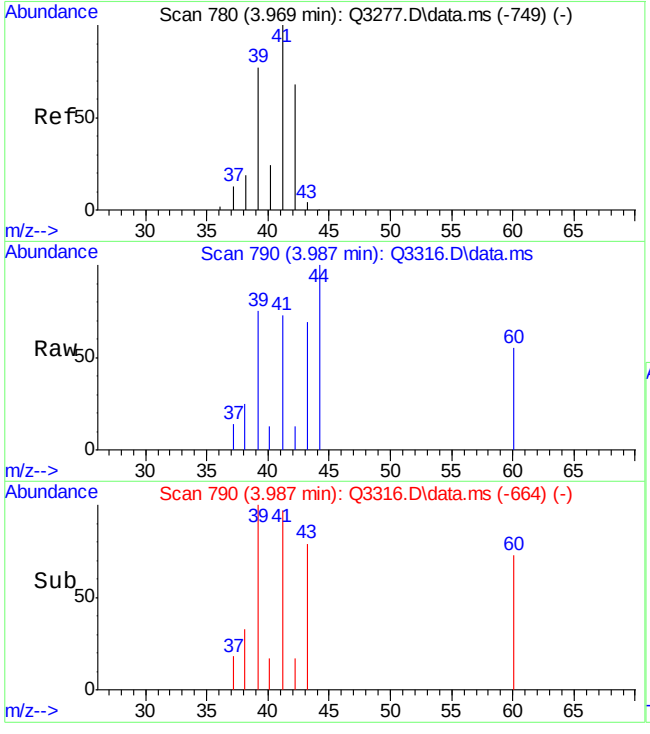


#2
DICHLORODIFLUOROMETHANE
Concen: 0.65 PPBV
RT: 4.038 min Scan# 819
Delta R.T. -0.002 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 85 Resp: 25457

Ion	Ratio	Lower	Upper
85	100		
87	17.4	12.8	52.8
50	17.1	0.0	31.6

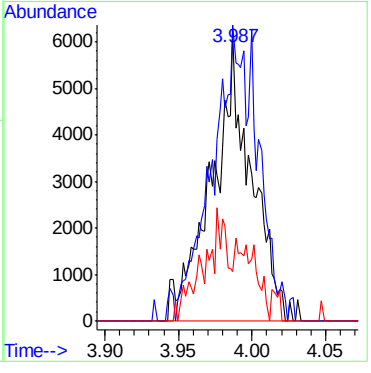


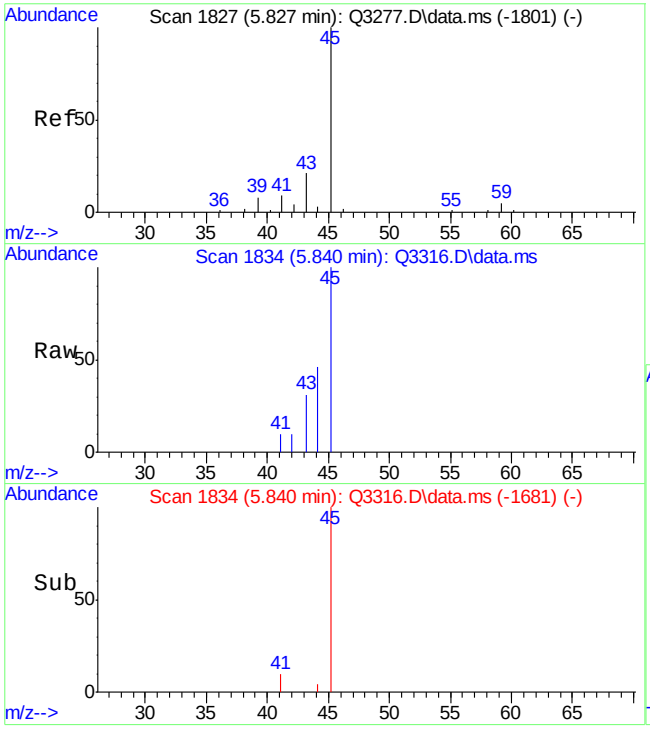


#3
PROPYLENE
Concen: 0.80 PPBV
RT: 3.987 min Scan# 790
Delta R.T. 0.018 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 41 Resp: 11356

Ion	Ratio	Lower	Upper
41	100		
39	102.8	57.4	97.4#
42	17.2	47.9	87.9#

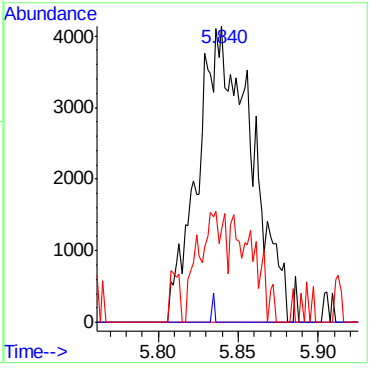


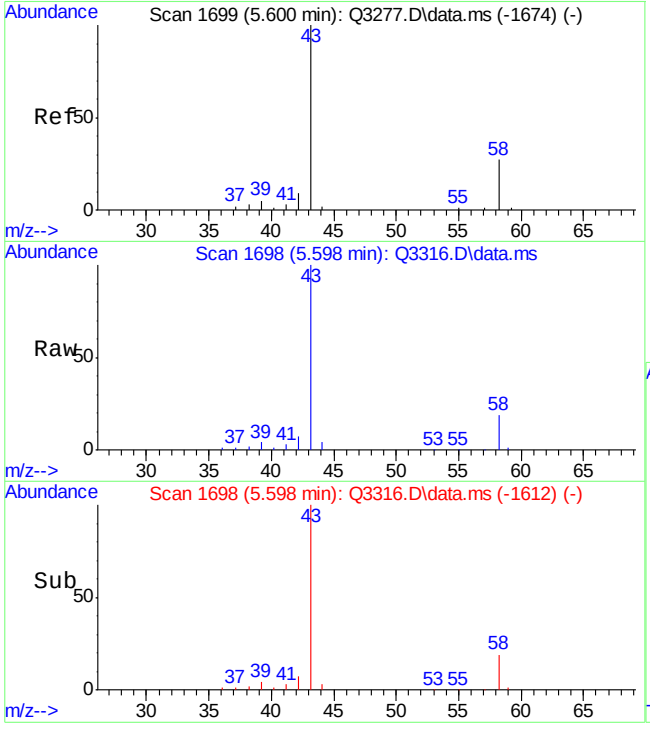


#11
ISOPROPYL ALCOHOL
Concen: 0.42 PPBV
RT: 5.840 min Scan# 1834
Delta R.T. 0.013 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 45 Resp: 9662

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.7
43	31.1	1.0	41.0

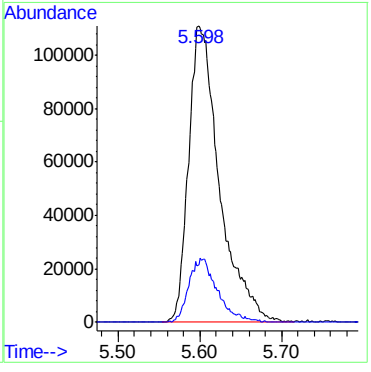


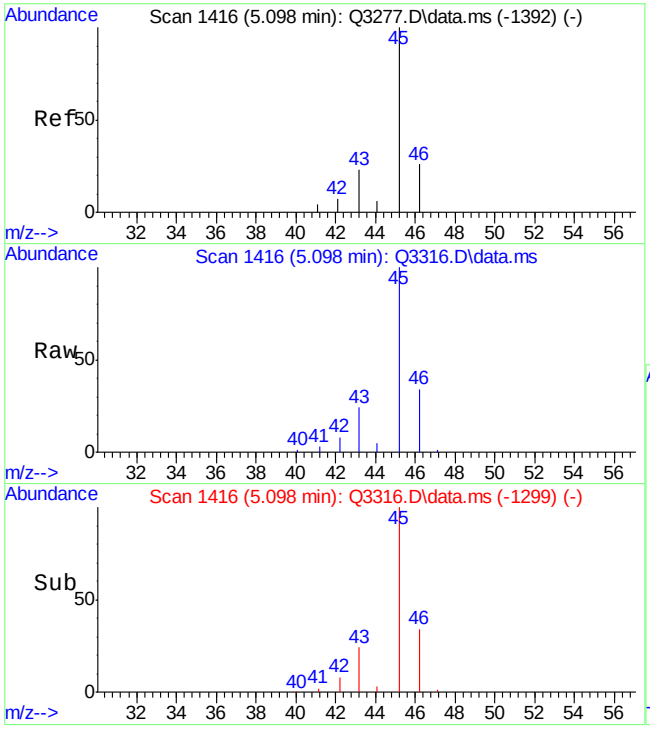


#12
ACETONE
Concen: 18.73 PPBV
RT: 5.598 min Scan# 1698
Delta R.T. -0.002 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 43 Resp: 290964

Ion	Ratio	Lower	Upper
43	100		
58	19.8	5.4	45.4

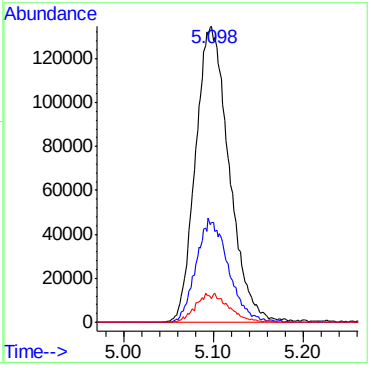


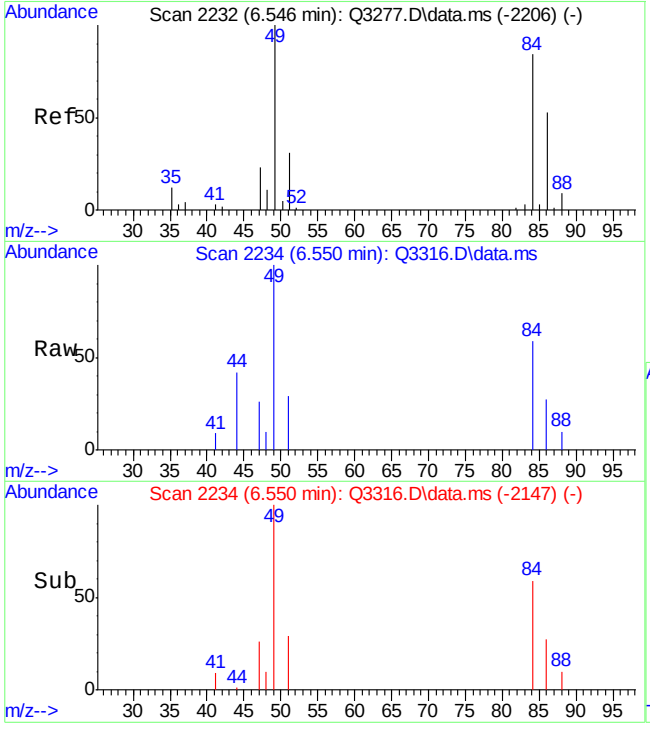


#16
ETHANOL
Concen: 113.18 PPBV
RT: 5.098 min Scan# 1416
Delta R.T. 0.001 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 45 Resp: 349335

Ion	Ratio	Lower	Upper
45	100		
46	33.6	10.6	50.6
42	9.6	0.0	24.6

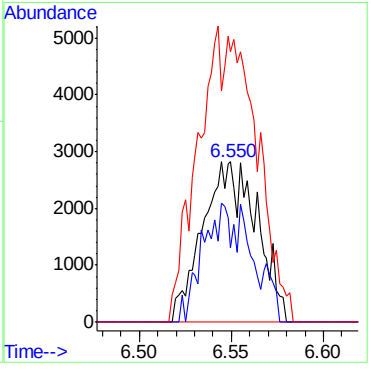


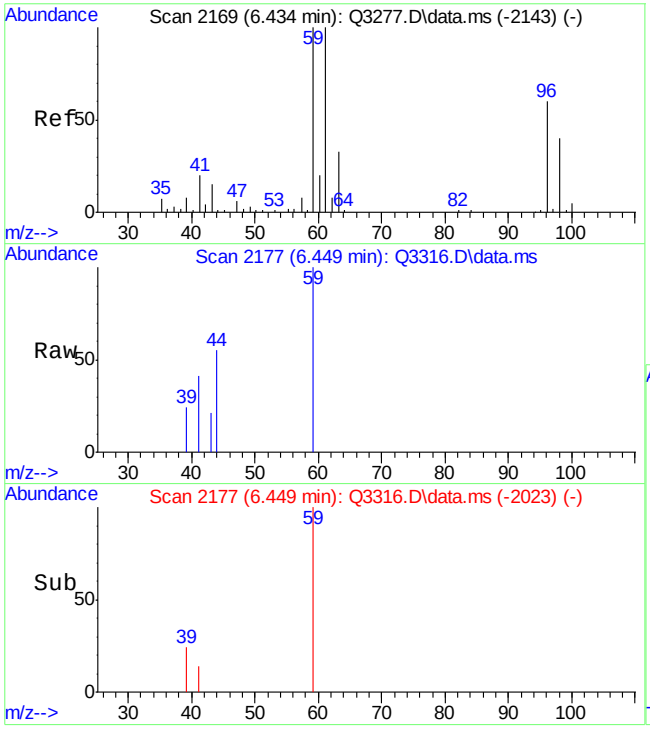


#18
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 6.550 min Scan# 2234
Delta R.T. 0.004 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 84 Resp: 5781

Ion	Ratio	Lower	Upper
84	100		
86	65.8	45.0	85.0
49	198.0	0.0	318.8

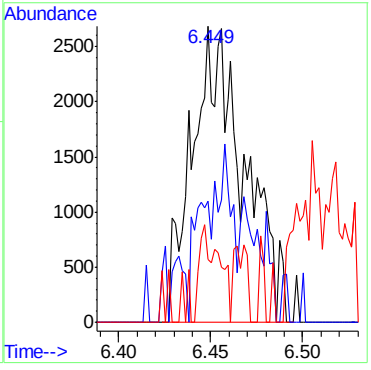


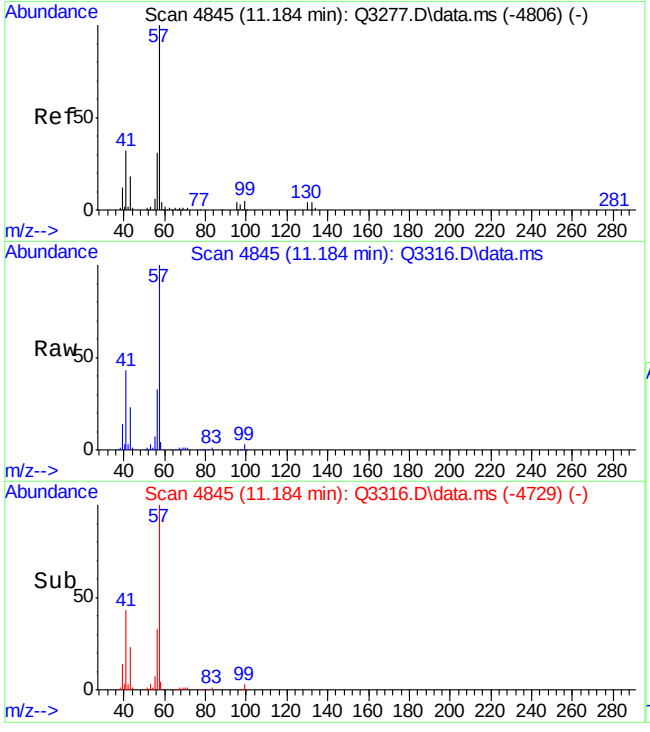


#22
TERTIARY BUTYL ALCOHOL
Concen: 0.22 PPBV
RT: 6.449 min Scan# 2177
Delta R.T. 0.015 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 59 Resp: 5316

Ion	Ratio	Lower	Upper
59	100		
41	57.0	0.0	39.3#
43	10.0	0.0	36.1

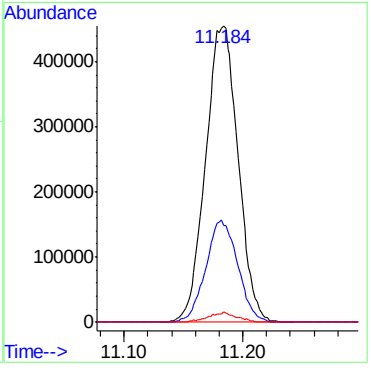


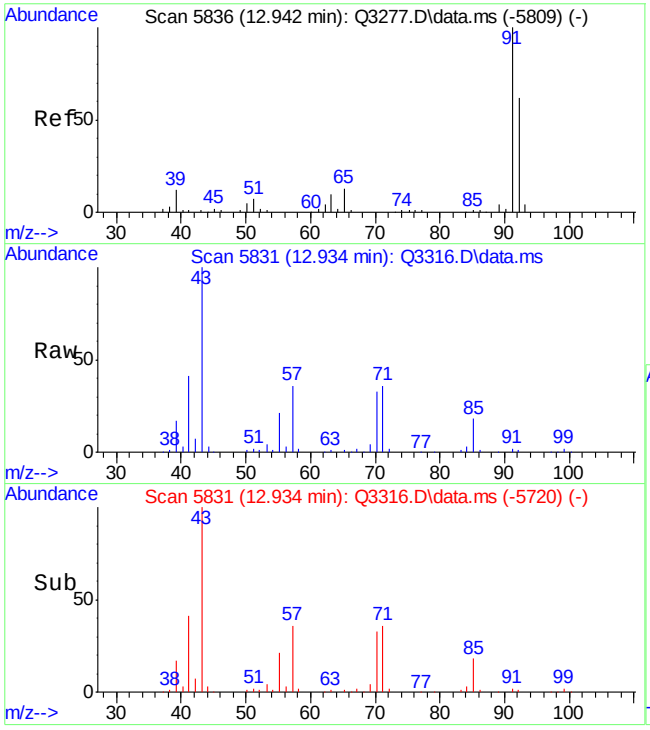


#41
2,2,4-TRIMETHYLPENTANE
Concen: 17.84 PPBV
RT: 11.184 min Scan# 4845
Delta R.T. -0.000 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 57 Resp: 865669

Ion	Ratio	Lower	Upper
57	100		
56	33.7	10.9	50.9
99	2.8	0.0	27.8

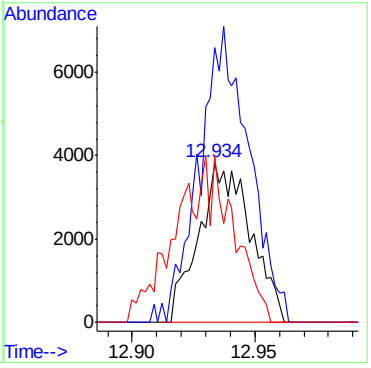




#46
TOLUENE
Concen: 0.40 PPBV
RT: 12.934 min Scan# 5831
Delta R.T. -0.009 min
Lab File: Q3316.D
Acq: 1 May 2007 4:14 pm

Tgt Ion: 92 Resp: 5613

Ion	Ratio	Lower	Upper
92	100		
91	178.5	152.1	192.1
65	116.3	1.4	41.4#



6.4.2

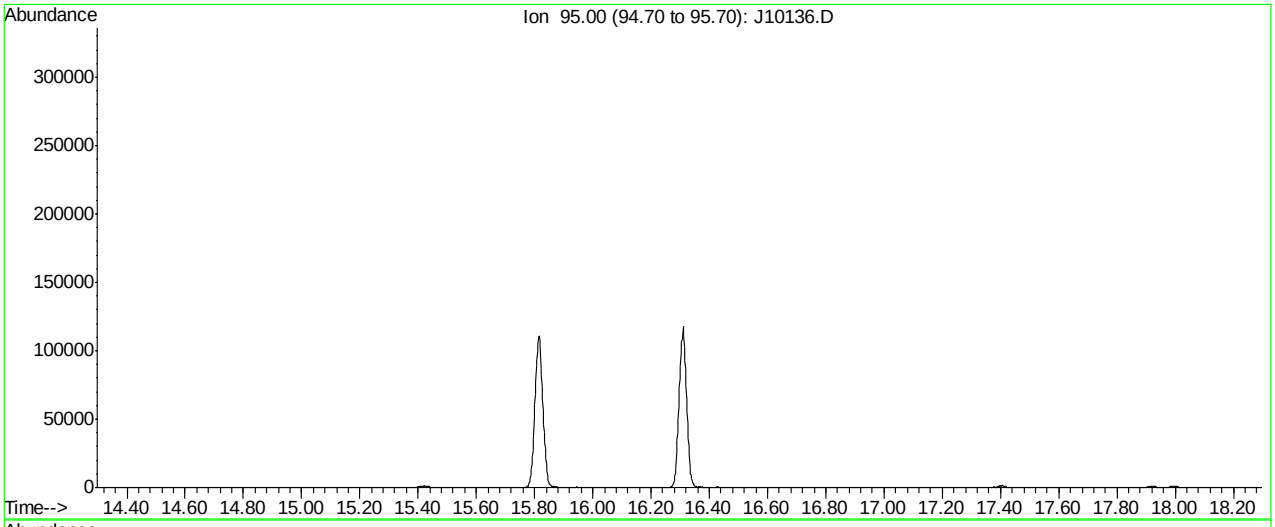
6

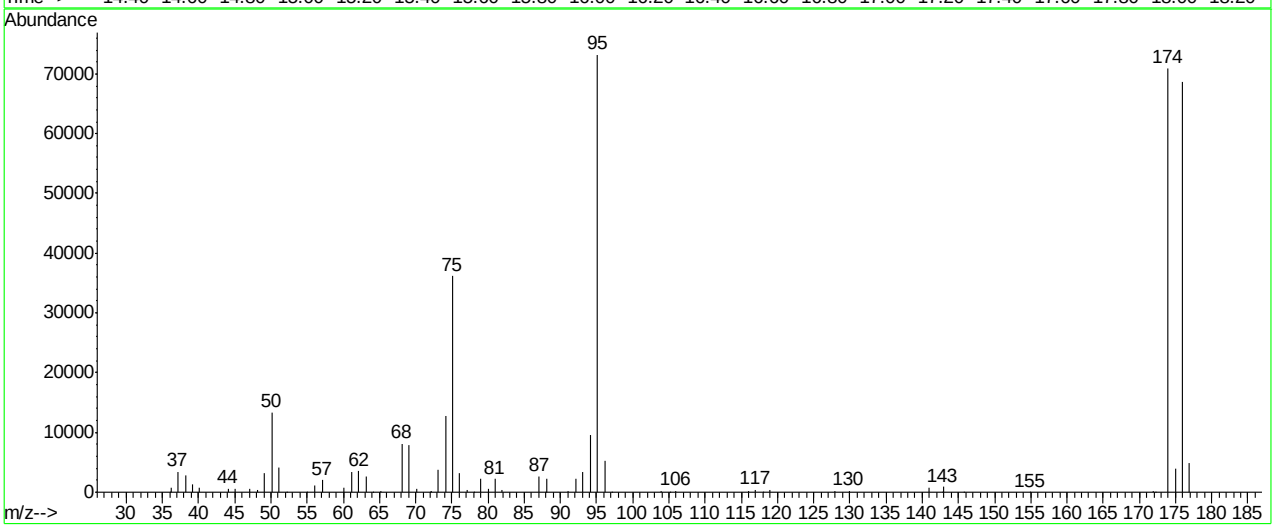
BFB

Data File : C:\MSDChem\1\data\J10136.D
Acq On : 26 Apr 2007 12:02 pm
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
MS Integration Params: LSCINT.P

Vial: 4
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.288 to 16.308 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	13331	PASS
75	95	30	66	49.4	36176	PASS
95	95	100	100	100.0	73247	PASS
96	95	5	9	7.3	5344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	96.9	70950	PASS
175	174	4	9	5.6	3969	PASS
176	174	93	101	96.7	68623	PASS
177	176	5	9	7.1	4840	PASS

J10136.D J042607T.M Fri Apr 27 08:33:21 2007

Average of 16.288 to 16.308 min.: J10136.D
IC525-40 (M132)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	35	50.15	13331	65.15	112	78.10	88
36.15	792	51.10	4103	68.10	8071	79.05	2219
37.15	3458	52.10	38	69.10	7861	80.05	571
38.20	2897	55.00	67	70.10	531	80.95	2227
39.15	1291	56.10	1119	72.00	89	81.95	397
40.05	736	57.10	1989	72.15	149	87.05	2643
44.10	649	60.10	760	73.15	3691	87.90	69
45.10	566	61.10	3453	74.10	12708	88.05	2305
47.10	508	62.10	3536	75.10	36176	91.05	186
48.10	365	63.10	2667	76.10	3181	92.10	2211
49.15	3159	64.15	72	77.05	395	93.10	3419

Average of 16.288 to 16.308 min.: J10136.D
IC525-40 (M132)

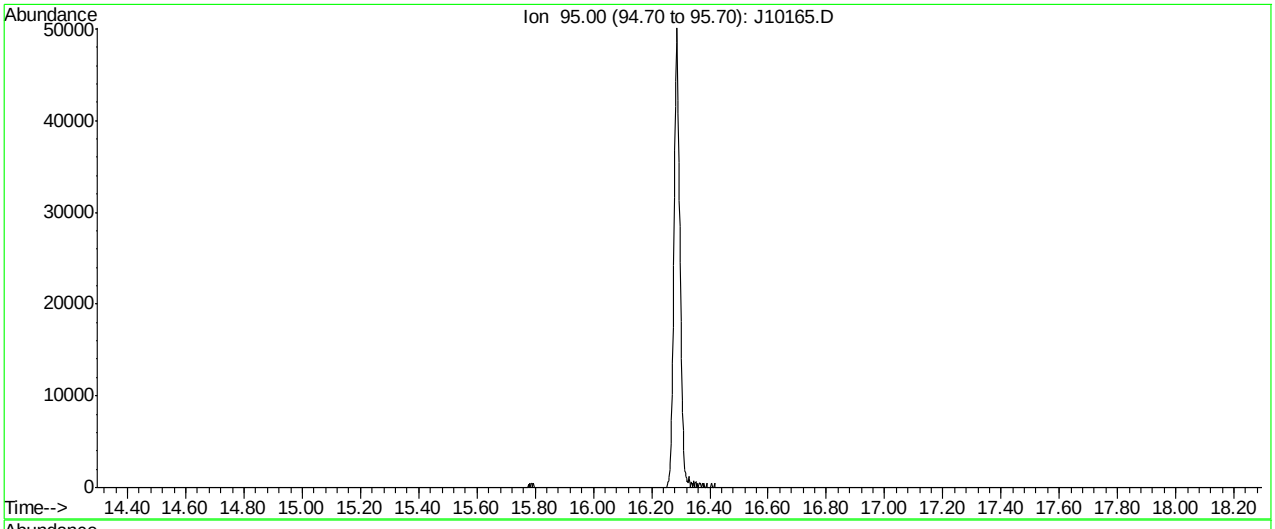
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	9586	128.00	116	176.00	68623		
95.10	73247	129.90	226	176.95	4840		
96.10	5344	140.95	832				
97.10	43	142.80	74				
103.95	211	142.95	905				
105.10	38	145.80	34				
105.95	286	154.90	41				
115.95	164	171.95	247				
116.95	436	172.20	59				
117.95	77	174.00	70950				
118.95	408	175.05	3969				

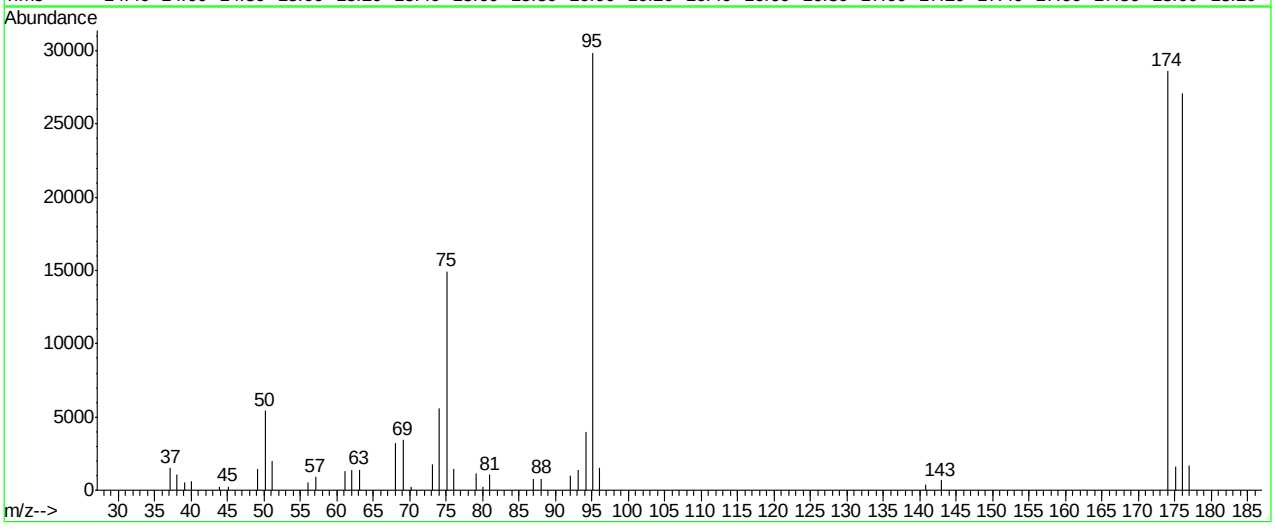
BFB

Data File : C:\MSDChem\1\data\J10165.D
Acq On : 30 Apr 2007 9:28 am
Sample : BFB (M050)
Misc : MS13445, MSJ526,,,,,1
MS Integration Params: LSCINT.P

Vial: 2
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.295 to 16.297 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.1	5420	PASS
75	95	30	66	50.0	14949	PASS
95	95	100	100	100.0	29888	PASS
96	95	5	9	5.0	1505	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.8	28624	PASS
175	174	4	9	5.6	1612	PASS
176	174	93	101	94.8	27124	PASS
177	176	5	9	6.3	1699	PASS

J10165.D J042607T.M Mon Apr 30 14:41:03 2007

Average of 16.295 to 16.297 min.: J10165.D
CC525-10 (M050)

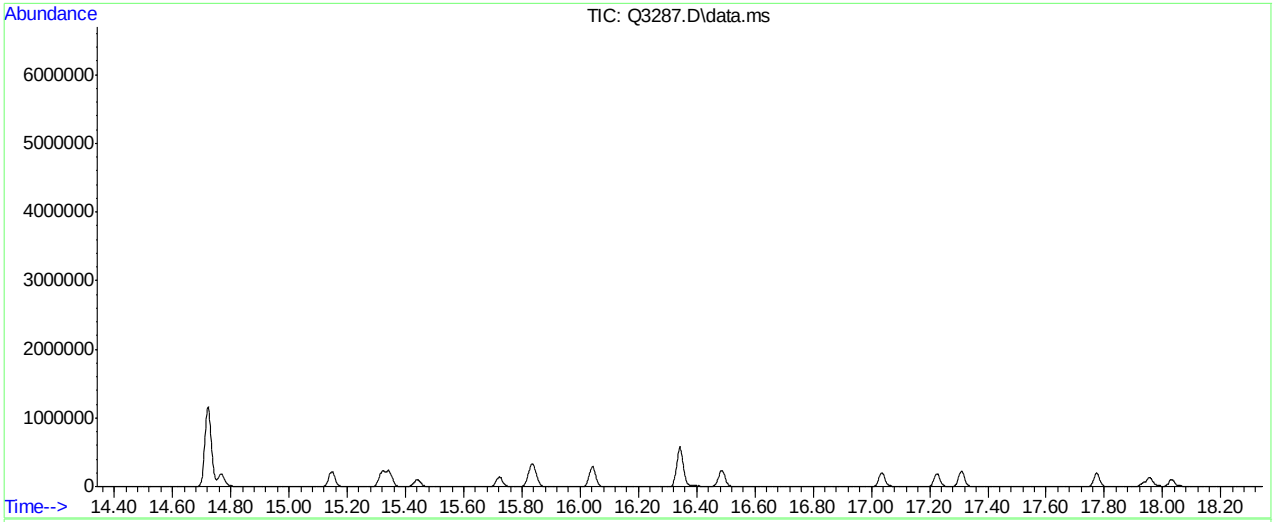
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.15	1498	61.10	1271	80.00	226	174.00	28624
38.05	1103	62.10	1353	81.00	1040	175.10	1612
39.10	568	63.10	1386	87.00	750	176.00	27124
40.05	594	68.10	3205	88.05	783	177.00	1699
43.90	200	69.10	3429	92.05	978		
45.10	249	70.20	222	93.10	1343		
49.10	1446	73.10	1750	94.20	4011		
50.15	5420	74.10	5560	95.10	29888		
51.10	1984	75.10	14949	96.10	1505		
56.05	513	76.05	1468	140.90	357		
57.05	891	79.05	1120	142.95	658		

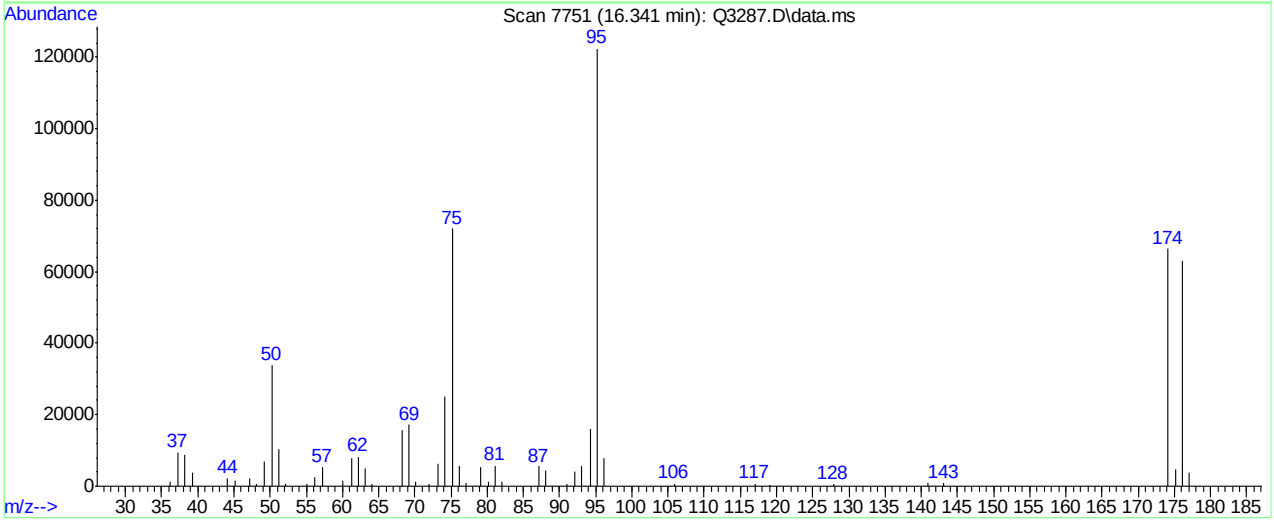
BFB

Data File : C:\msdchem\1\DATA\Q3287.D
Acq On : 26 Apr 2007 4:15 pm
Sample : IC177-2 (M069)
Misc : MS13369,MSQ177,,,,,1
MS Integration Params: LSCINT.P

Vial: 3
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q042607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7751

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.8	33984	PASS
75	95	30	66	58.8	72032	PASS
95	95	100	100	100.0	122416	PASS
96	95	5	9	6.5	7915	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	54.2	66368	PASS
175	174	4	9	7.1	4698	PASS
176	174	93	101	94.9	63000	PASS
177	176	5	9	5.7	3621	PASS

Q3287.D Q042607T.m Fri Apr 27 15:04:37 2007 RPT1

Scan 7751 (16.341 min): Q3287.D\data.ms
IC177-2 (M069)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1412	52.10	617	70.10	1137	87.10	5588
37.20	9474	55.10	637	72.00	772	88.10	4553
38.20	8735	56.10	2374	73.20	6310	91.00	583
39.20	3897	57.20	5392	74.20	25208	92.10	4154
44.10	2243	60.10	1484	75.20	72032	93.10	5752
45.20	1514	61.20	7942	76.10	5627	94.20	15926
47.20	2189	62.20	8233	77.10	1000	95.20	122416
48.10	628	63.10	5033	79.10	5195	96.20	7915
49.20	6946	64.10	645	80.10	1154	105.90	711
50.20	33984	68.20	15827	81.10	5658	117.00	758
51.20	10340	69.20	17168	82.10	1178	119.00	415

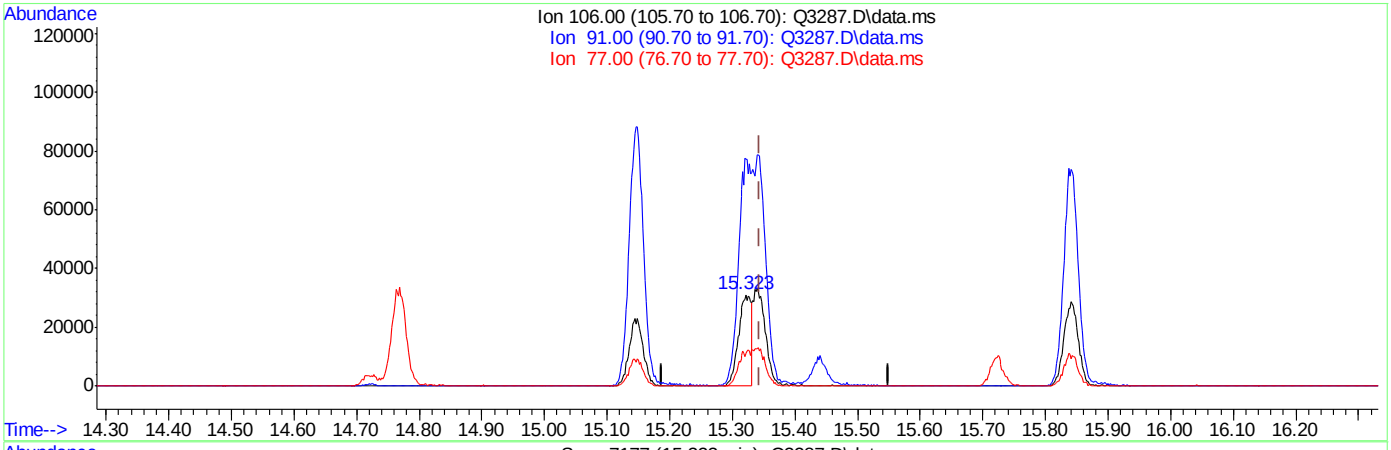
Scan 7751 (16.341 min): Q3287.D\data.ms
IC177-2 (M069)

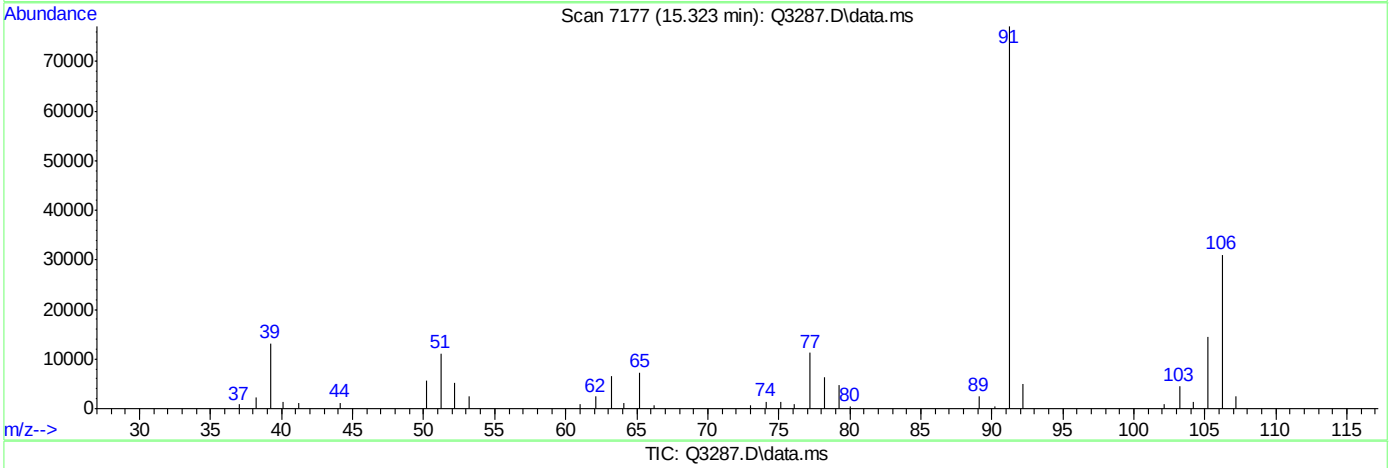
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.90	503						
140.90	874						
143.10	898						
174.10	66368						
175.10	4698						
176.10	63000						
177.10	3621						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3287.D
Acq On : 26 Apr 2007 4:15 pm
Operator : PhilipB
Sample : IC77-2 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:45:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:57:24 2007
Response via : Initial Calibration





TIC: Q3287.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 2.59PPBV

response 45374

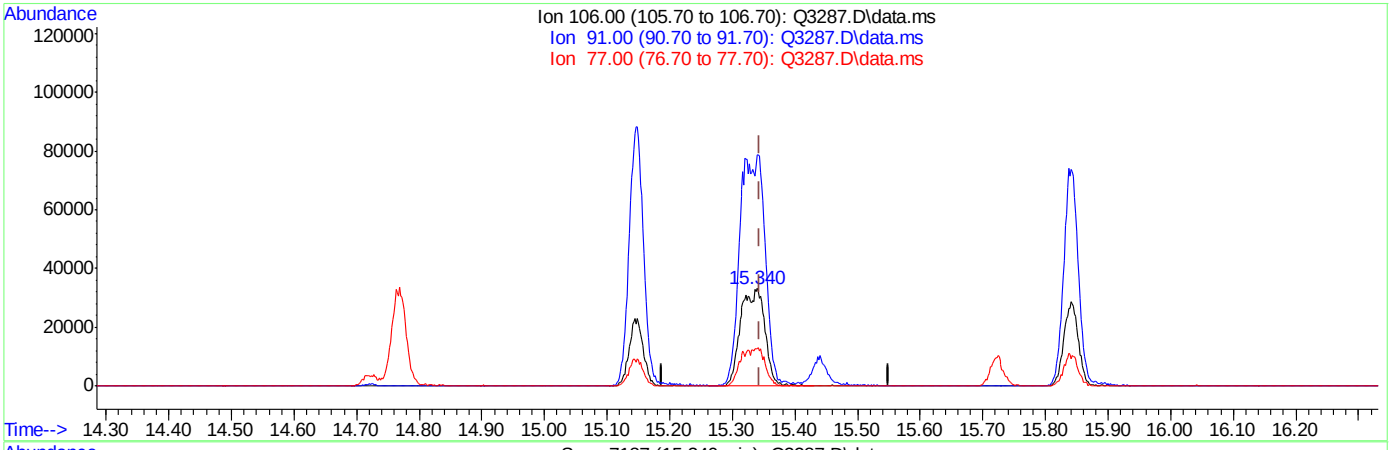
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	248.06
77.00	31.20	36.36
0.00	0.00	0.00

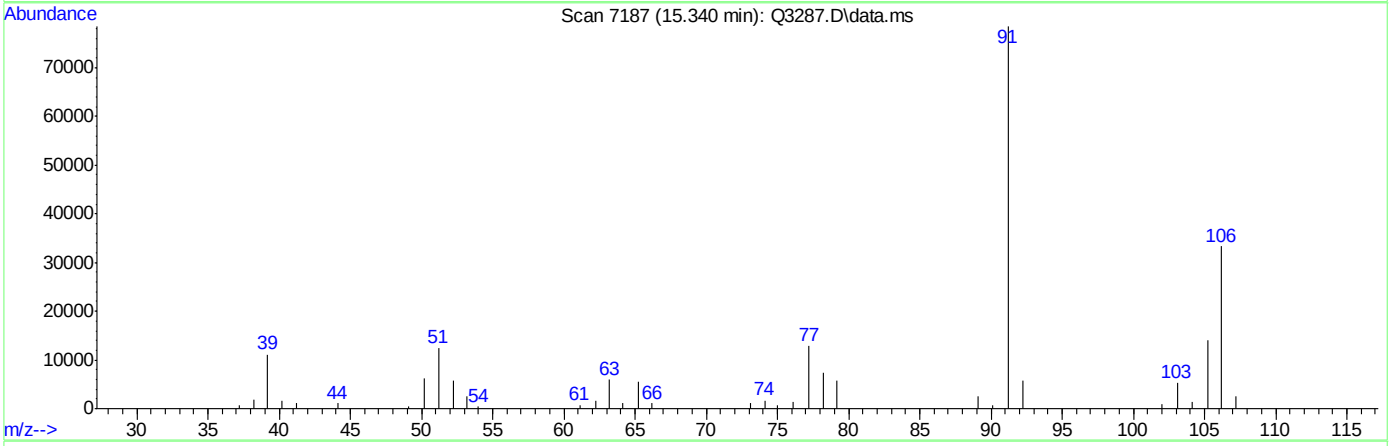
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3287.D
Acq On : 26 Apr 2007 4:15 pm
Operator : PhilipB
Sample : IC77-2 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:45:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:57:24 2007
Response via : Initial Calibration





TIC: Q3287.D\data.ms

(56) m,p-XYLENE (m)

15.340min (-0.003) 5.19PPBV m

response 90866

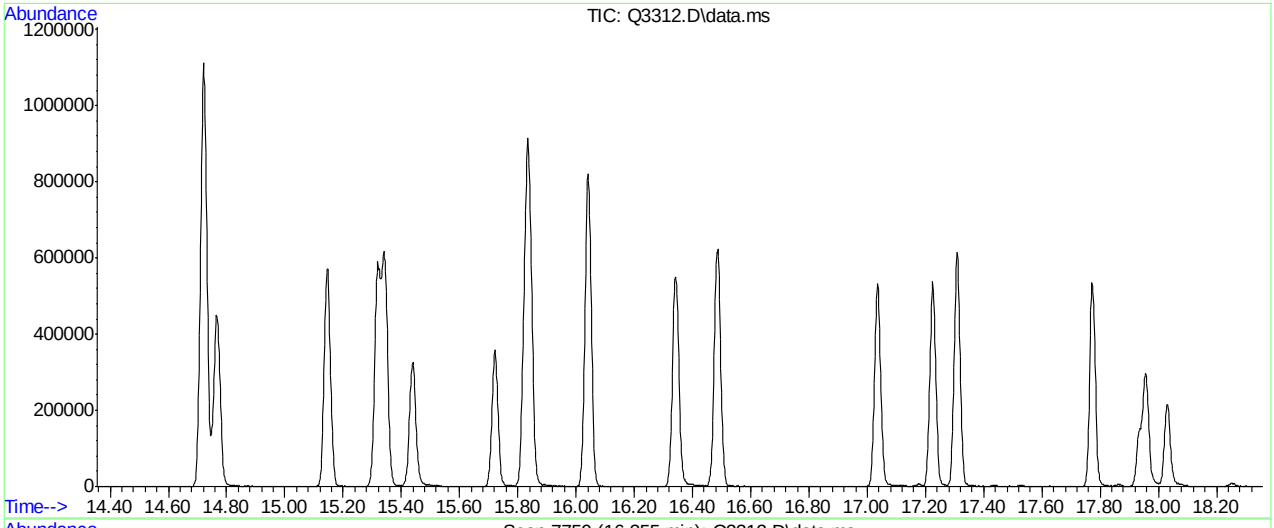
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	235.90
77.00	31.20	38.68#
0.00	0.00	0.00

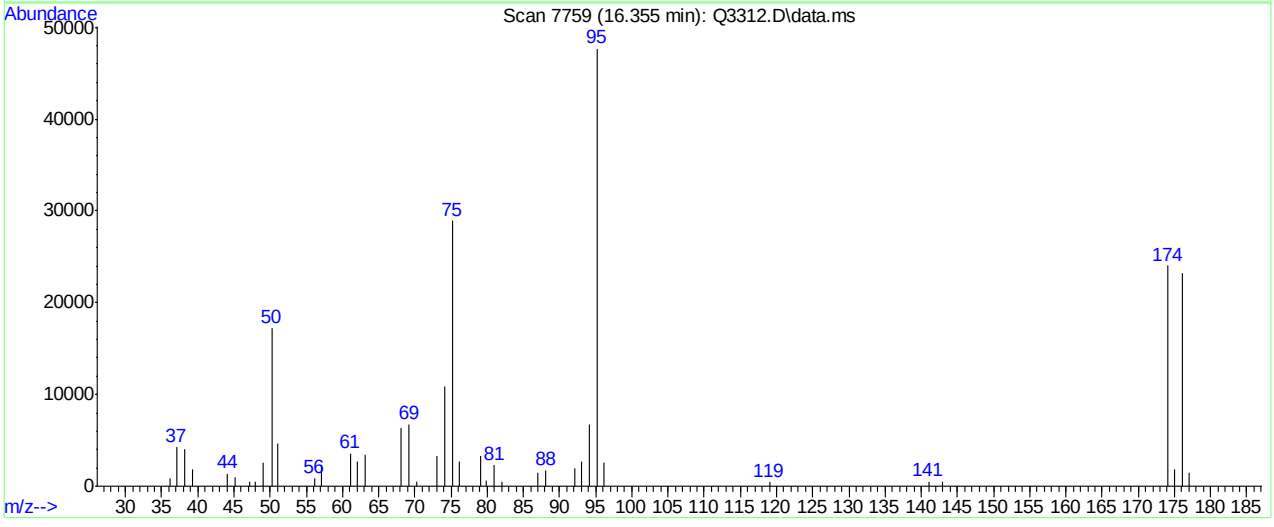
BFB

Data File : C:\msdchem\1\DATA\Q3312.D
Acq On : 1 May 2007 11:52 am
Sample : CC177-10 (M070)
Misc : MS13469,MSQ179,,,,1
MS Integration Params: LSCINT.P

Vial: 2
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q042607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7759

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	36.2	17280	PASS
75	95	30	66	60.6	28920	PASS
95	95	100	100	100.0	47704	PASS
96	95	5	9	5.4	2589	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	50.4	24040	PASS
175	174	4	9	7.5	1814	PASS
176	174	93	101	96.4	23176	PASS
177	176	5	9	6.2	1432	PASS

Q3312.D Q042607T.m Tue May 01 14:18:35 2007 RPT1

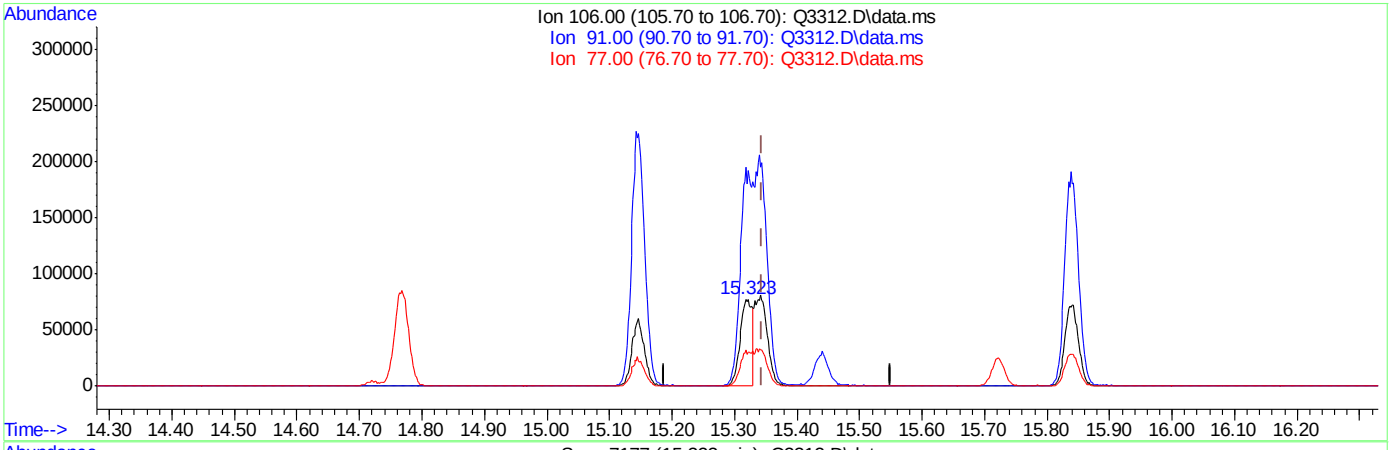
Scan 7759 (16.355 min): Q3312.D\data.ms
CC177-10 (M070)

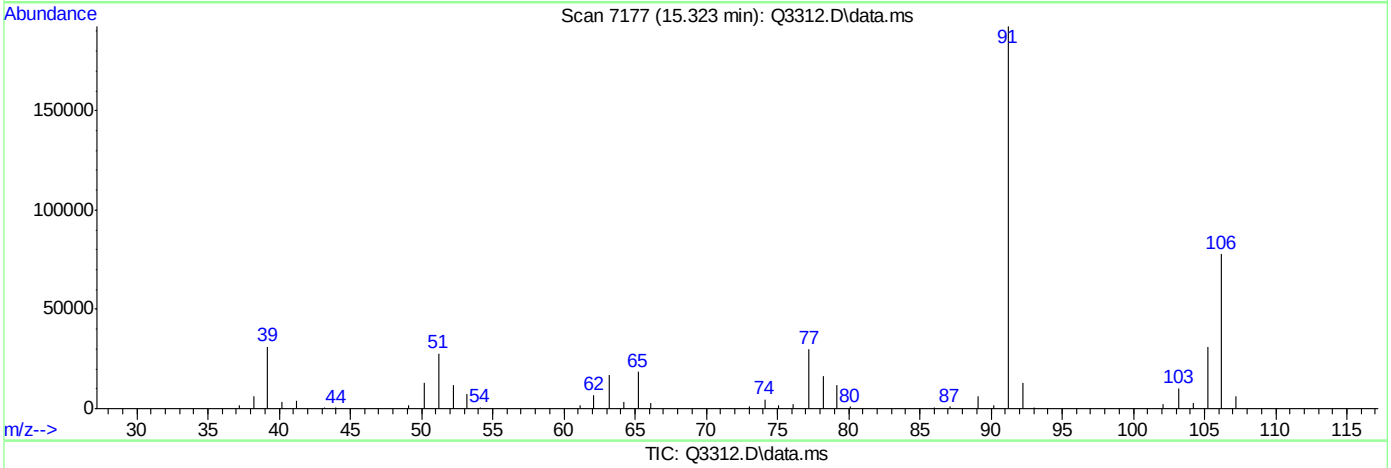
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	875	56.10	893	76.10	2658	96.10	2589
37.10	4241	57.10	2341	79.10	3260	119.00	470
38.20	4051	61.10	3561	79.90	622	141.00	520
39.20	1837	62.10	2714	81.00	2285	143.00	478
44.10	1345	63.10	3428	82.00	469	174.10	24040
45.10	1012	68.10	6319	87.00	1525	175.00	1814
47.10	444	69.20	6769	88.10	1713	176.10	23176
48.00	501	70.20	455	92.10	1989	177.10	1432
49.10	2547	73.10	3306	93.10	2687		
50.20	17280	74.10	10835	94.10	6769		
51.10	4686	75.20	28920	95.20	47704		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:13:22 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration





TIC: Q3312.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 6.77PPBV

response 106433

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	247.67
77.00	31.20	38.71#
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3312.D
Acq On    :  1 May 2007  11:52 am
Operator  : PhilipB
Sample    : CC177-10 (M070)
Misc      : MS13459,MSQ179,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 01 14:13:22 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration
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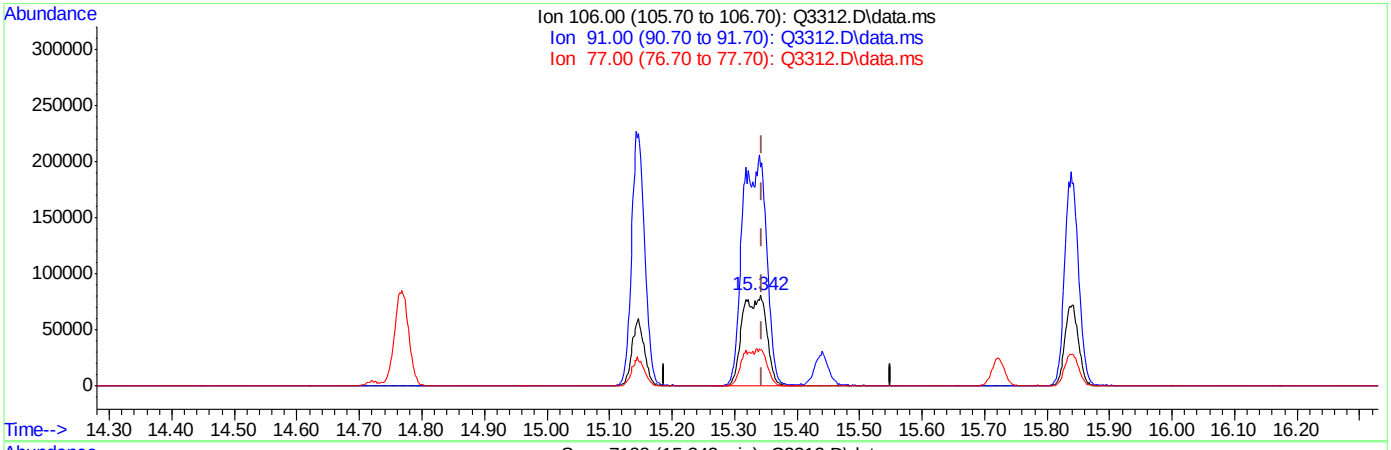
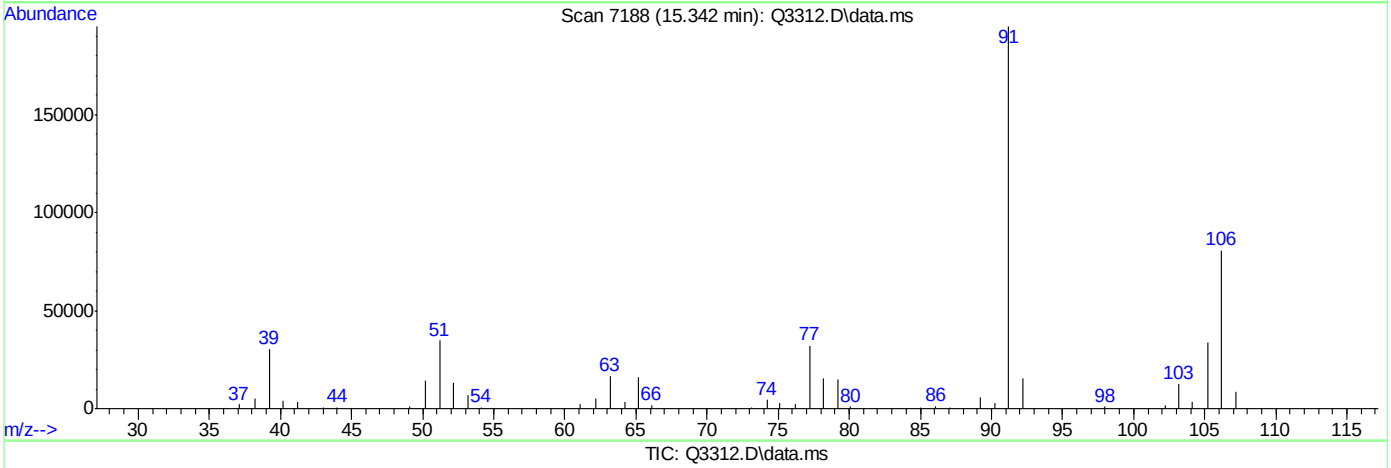




TIC: Q3312.D\data.ms

(56) m,p-XYLENE (m)

15.342min (-0.002) 14.08PPBV m

response 221369

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	241.28
77.00	31.20	39.85#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10137.D
Acq On : 26 Apr 2007 12:53 pm
Operator : danat
Sample : IC525-20 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 13:20:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	89217	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	384279	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	335261	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	112465	4.77	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 95.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	631280	28.98	PPBV	99
3) PROPYLENE	3.99	41	92581	29.79	PPBV	97
4) FREON 114	4.31	85	510473	27.85	PPBV	98
5) CHLOROMETHANE	4.22	50	119388	28.86	PPBV	92
6) VINYL CHLORIDE	4.43	62	148742	28.54	PPBV	99
7) 1,3-BUTADIENE	4.57	39	106134	28.10	PPBV	97
8) BROMOMETHANE	4.84	94	171879	28.31	PPBV	99
9) CHLOROETHANE	5.01	64	69661	28.86	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.78	101	613401	27.69	PPBV	99
11) ISOPROPYL ALCOHOL	5.90	45	174498	26.85	PPBV	95
12) ACETONE	5.63	43	160521	26.65	PPBV	99
13) PENTANE	6.12	42	114655	27.98	PPBV	93
14) 1,1-DICHLOROETHYLENE	6.42	96	162158	28.43	PPBV	94
15) CARBON DISULFIDE	6.83	76	433796	28.24	PPBV	98
16) ETHANOL	5.16	45	26230	26.19	PPBV	96
17) BROMOETHENE	5.37	106	173085	27.96	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	144348	28.37	PPBV	93
19) 3-CHLOROPROPENE	6.64	39	128785	26.66	PPBV	95
20) FREON 113	6.78	151	336329	27.24	PPBV	93
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	162149	27.69	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.50	59	255701	25.92	PPBV	87
23) METHYL TERTIARY BUTYL ETHE	7.71	73	334035	25.85	PPBV	99
24) TETRAHYDROFURAN	9.16	42	93404	26.02	PPBV	91
25) HEXANE	8.62	57	162863	26.02	PPBV	96
26) VINYL ACETATE	7.78	43	204390	24.92	PPBV	98
27) 1,1-DICHLOROETHANE	7.64	63	265127	26.82	PPBV	99
28) METHYL ETHYL KETONE	8.05	43	174503	26.31	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.45	96	158966	25.96	PPBV	99
30) ETHYL ACETATE	8.67	43	188090	25.86	PPBV	99
31) CHLOROFORM	8.73	83	379982	26.27	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	465072	26.68	PPBV	98
33) CARBON TETRACHLORIDE	10.25	117	562072	26.75	PPBV	100
34) 1,2-DICHLOROETHANE	9.44	62	220027	25.17	PPBV	100
36) BENZENE	10.11	78	369514	23.35	PPBV	99
37) CYCLOHEXANE	10.36	84	179251	25.33	PPBV	93
38) TRICHLOROETHYLENE	11.11	95	192947	21.81	PPBV	98
39) 1,2-DICHLOROPROPANE	10.89	63	116991	22.13	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	345427	22.72	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	628869	24.65	PPBV	99
42) 1,4-DIOXANE	11.15	88	68813	23.90	PPBV #	77
43) HEPTANE	11.35	43	171877	22.66	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10137.D
Acq On : 26 Apr 2007 12:53 pm
Operator : danat
Sample : IC525-20 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 13:20:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

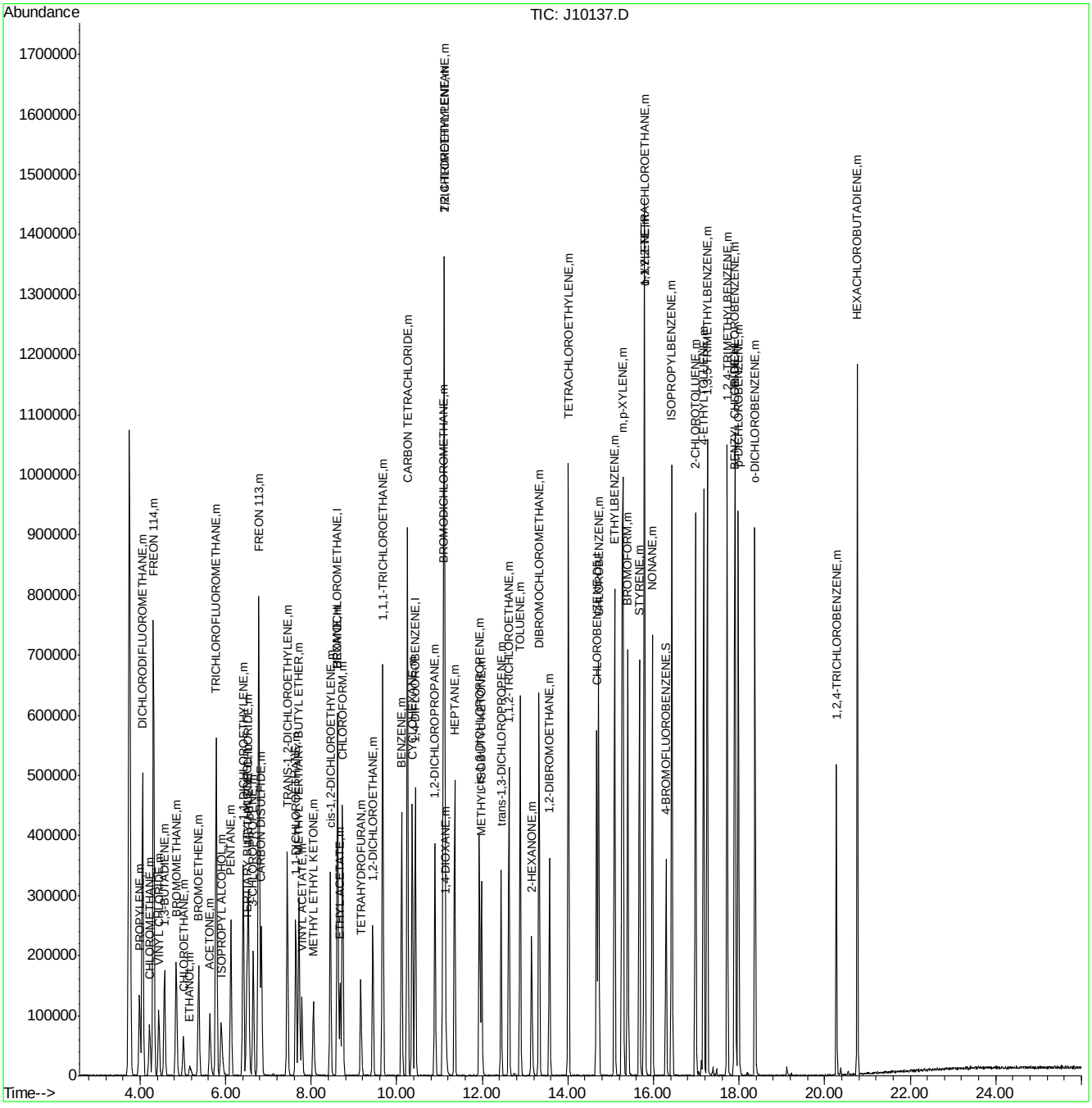
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	219157	23.30	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.93	75	206247	22.89	PPBV	97
46) TOLUENE	12.89	92	255878	21.55	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	182920	22.41	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	83	128447	22.82	PPBV	98
50) 2-HEXANONE	13.15	43	183019	22.67	PPBV	96
51) TETRACHLOROETHYLENE	14.01	164	223079	21.23	PPBV	92
52) DIBROMOCHLOROMETHANE	13.32	129	354842	22.97	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	249679	22.66	PPBV	99
54) CHLOROBENZENE	14.72	112	364936	22.62	PPBV	98
55) ETHYLBENZENE	15.09	91	587132	22.43	PPBV	99
56) m,p-XYLENE	15.28	106	469434	43.76	PPBV	96
57) o-XYLENE	15.78	106	239540	21.57	PPBV	98
58) STYRENE	15.67	104	353082	22.09	PPBV	99
59) NONANE	15.97	43	242061	22.15	PPBV	95
60) BROMOFORM	15.40	173	367516	22.15	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	332166	22.03	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	714006	21.78	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	498468	21.83	PPBV	97
65) 4-ETHYLTOLUENE	17.17	105	605741	21.02	PPBV	77
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	585194	21.34	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	555235	21.12	PPBV	97
68) m-DICHLOROBENZENE	17.91	146	389219	20.31	PPBV	97
69) BENZYL CHLORIDE	17.89	91	353666	20.07	PPBV	97
70) p-DICHLOROBENZENE	17.98	146	374029	20.36	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	350062	20.46	PPBV	98
72) HEXACHLOROBUTADIENE	20.77	225	191684	19.61	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	137574	20.47	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10137.D
Acq On : 26 Apr 2007 12:53 pm
Operator : danat
Sample : IC525-20 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 13:20:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64318

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10138.D
Acq On : 26 Apr 2007 1:46 pm
Operator : danat
Sample : ICC525-10 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 14:21:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	80028	10.00	PPBV	-0.03
35) 1,4-DIFLUOROBENZENE	10.42	114	351947	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.66	117	300097	10.00	PPBV	-0.02
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	93585	4.44	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 88.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	316001	16.17	PPBV	99
3) PROPYLENE	3.99	41	44423	15.93	PPBV	94
4) FREON 114	4.31	85	248143	15.09	PPBV	98
5) CHLOROMETHANE	4.22	50	59184	15.95	PPBV	98
6) VINYL CHLORIDE	4.43	62	71945	15.39	PPBV	99
7) 1,3-BUTADIENE	4.57	39	49090	14.49	PPBV	95
8) BROMOMETHANE	4.84	94	81553	14.97	PPBV	100
9) CHLOROETHANE	5.00	64	32238	14.89	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.77	101	299178	15.06	PPBV	100
11) ISOPROPYL ALCOHOL	5.88	45	78894	13.53	PPBV	86
12) ACETONE	5.62	43	73013	13.51	PPBV	99
13) PENTANE	6.11	42	54278	14.77	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	74529	14.57	PPBV	97
15) CARBON DISULFIDE	6.82	76	210614	15.29	PPBV	100
16) ETHANOL	5.15	45	12258	13.64	PPBV #	60
17) BROMOETHENE	5.36	106	80912	14.57	PPBV	100
18) METHYLENE CHLORIDE	6.52	84	65142	14.27	PPBV	95
19) 3-CHLOROPROPENE	6.63	39	56329	13.00	PPBV	96
20) FREON 113	6.77	151	153865	13.89	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	73691	14.03	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.48	59	114919	12.99	PPBV	87
23) METHYL TERTIARY BUTYL ETHE	7.70	73	151156	13.04	PPBV	98
24) TETRAHYDROFURAN	9.15	42	40629	12.62	PPBV	89
25) HEXANE	8.60	57	73724	13.13	PPBV	95
26) VINYL ACETATE	7.77	43	89170	12.12	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	116768	13.17	PPBV	100
28) METHYL ETHYL KETONE	8.04	43	79736	13.40	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.43	96	70220	12.78	PPBV	99
30) ETHYL ACETATE	8.66	43	85241	13.07	PPBV #	100
31) CHLOROFORM	8.72	83	172037	13.26	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	207629	13.28	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	258481	13.71	PPBV	100
34) 1,2-DICHLOROETHANE	9.43	62	98931	12.62	PPBV	99
36) BENZENE	10.10	78	157226	10.85	PPBV	99
37) CYCLOHEXANE	10.35	84	80975	12.49	PPBV	93
38) TRICHLOROETHYLENE	11.10	95	88434	10.92	PPBV	99
39) 1,2-DICHLOROPROPANE	10.88	63	51421	10.62	PPBV	95
40) BROMODICHLOROMETHANE	11.07	83	155830	11.19	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	268608	11.49	PPBV	99
42) 1,4-DIOXANE	11.14	88	30294	11.49	PPBV	93
43) HEPTANE	11.34	43	76207	10.97	PPBV	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10138.D
Acq On : 26 Apr 2007 1:46 pm
Operator : danat
Sample : ICC525-10 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 14:21:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

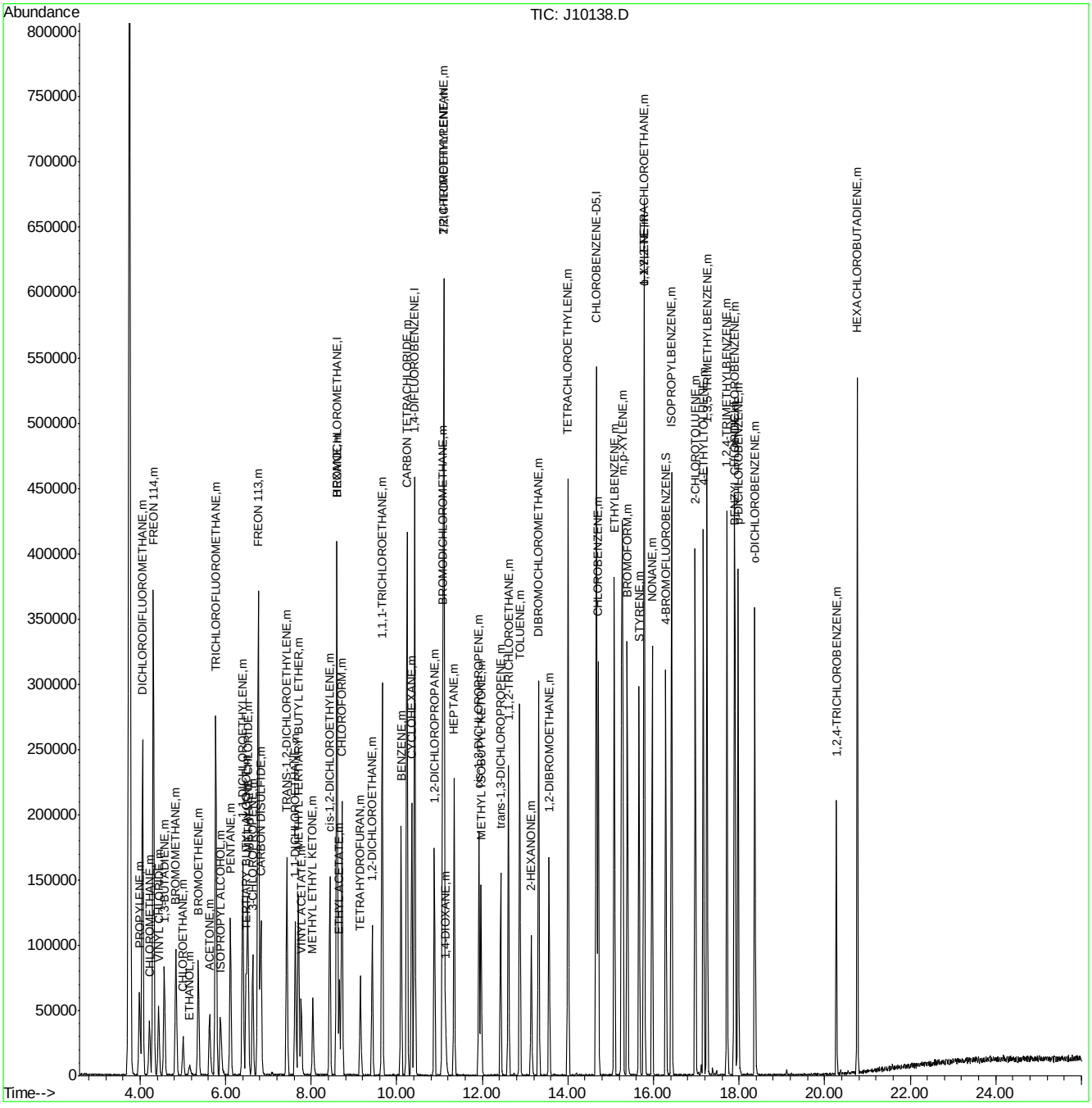
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	94234	10.94	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.92	75	92648	11.23	PPBV	97
46) TOLUENE	12.87	92	114035	10.48	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.43	75	80464	10.76	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83	57678	11.19	PPBV	97
50) 2-HEXANONE	13.14	43	75149	10.40	PPBV	98
51) TETRACHLOROETHYLENE	14.00	164	97981	10.42	PPBV	93
52) DIBROMOCHLOROMETHANE	13.31	129	160791	11.63	PPBV	100
53) 1,2-DIBROMOETHANE	13.56	107	110490	11.20	PPBV	99
54) CHLOROBENZENE	14.71	112	164497	11.39	PPBV	99
55) ETHYLBENZENE	15.09	91	259445	11.07	PPBV	99
56) m,p-XYLENE	15.27	106	204564m	21.30	PPBV	
57) o-XYLENE	15.78	106	103660	10.43	PPBV	96
58) STYRENE	15.66	104	145461	10.17	PPBV	99
59) NONANE	15.97	43	104644	10.70	PPBV	95
60) BROMOFORM	15.39	173	162084	10.91	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	140861	10.44	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	309415	10.54	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	208870	10.22	PPBV	97
65) 4-ETHYLTOLUENE	17.16	105	248845	9.65	PPBV	77
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	240924	9.82	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	224327	9.53	PPBV	98
68) m-DICHLOROBENZENE	17.90	146	160739	9.37	PPBV	97
69) BENZYL CHLORIDE	17.88	91	143246	9.08	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	154961	9.42	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	139830	9.13	PPBV	97
72) HEXACHLOROBUTADIENE	20.76	225	84213	9.63	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	55951	9.30	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10138.D
Acq On : 26 Apr 2007 1:46 pm
Operator : danat
Sample : ICC525-10 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 14:21:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

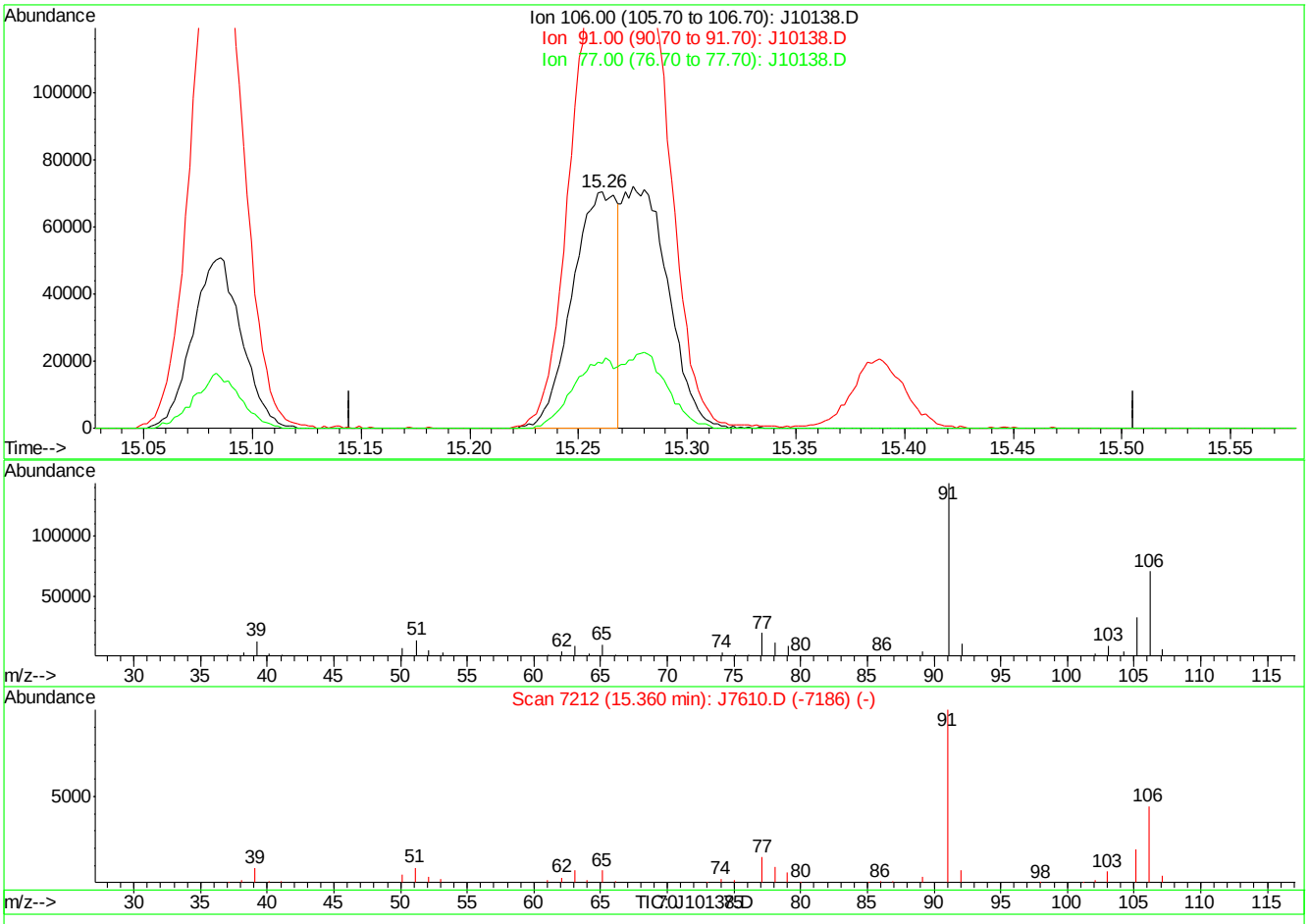


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10138.D Vial: 4
Acq On : 26 Apr 2007 1:46 pm Operator: danat
Sample : ICC525-10 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 14:13:20 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:18:49 2007
Response via : Multiple Level Calibration



(56) m,p-XYLENE (m)

15.26min 10.29PPBV

response 98768

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	204.14
77.00	27.10	27.58
0.00	0.00	0.00

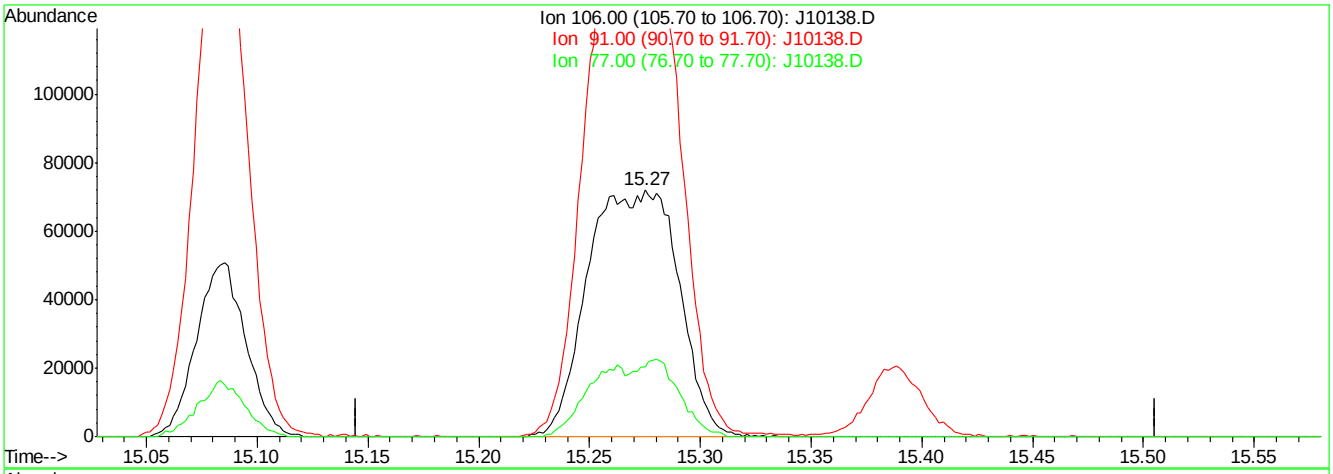
J10138.D J042607T.M Thu Apr 26 14:21:01 2007

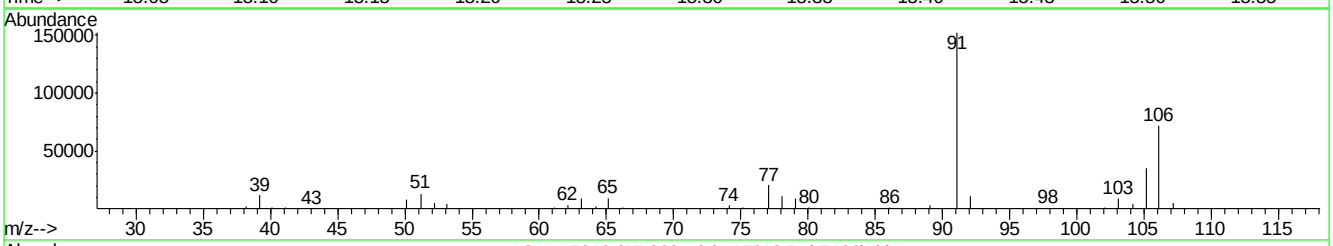
Quantitation Report (Qedit)

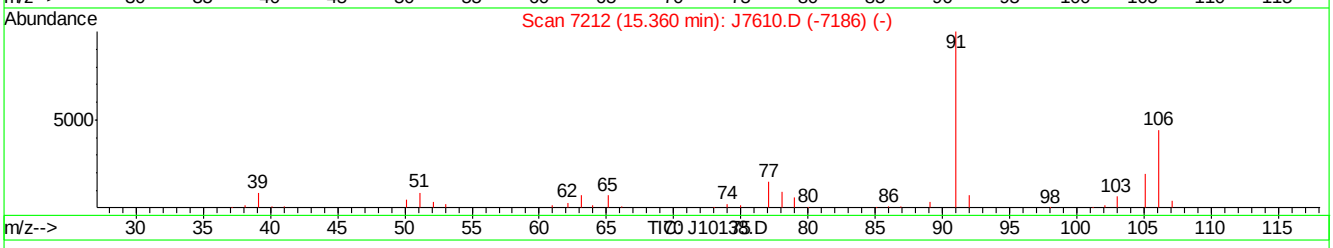
Data File : C:\MSDCHEM\1\DATA\J10138.D Vial: 4
Acq On : 26 Apr 2007 1:46 pm Operator: danat
Sample : ICC525-10 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 14:13:20 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:18:49 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.27min 21.30PPBV m

response 204564

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	211.56
77.00	27.10	28.35
0.00	0.00	0.00

J10138.D J042607T.M Thu Apr 26 14:21:07 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10139.D
Acq On : 26 Apr 2007 2:44 pm
Operator : danat
Sample : IC525-5 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 15:12:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 14:21:52 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.59	128	81232	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.41	114	354952	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	294474	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	87323	4.45	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 89.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	161220	6.00	PPBV	100
3) PROPYLENE	3.98	41	21714	5.64	PPBV	95
4) FREON 114	4.31	85	123100	5.67	PPBV	100
5) CHLOROMETHANE	4.22	50	28365	5.59	PPBV	91
6) VINYL CHLORIDE	4.43	62	34742	5.54	PPBV	97
7) 1,3-BUTADIENE	4.57	39	24319	5.50	PPBV	99
8) BROMOMETHANE	4.84	94	40309	5.59	PPBV	98
9) CHLOROETHANE	5.01	64	15351	5.33	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.77	101	150552	5.76	PPBV	99
11) ISOPROPYL ALCOHOL	5.87	45	36675	5.03	PPBV	95
12) ACETONE	5.62	43	36066	5.36	PPBV	100
13) PENTANE	6.11	42	26290	5.45	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.39	96	35977	5.36	PPBV	99
15) CARBON DISULFIDE	6.82	76	102111	5.56	PPBV	98
16) ETHANOL	5.16	45	5084	4.55	PPBV #	90
17) BROMOETHENE	5.36	106	38373	5.30	PPBV	98
18) METHYLENE CHLORIDE	6.51	84	31579	5.32	PPBV	99
19) 3-CHLOROPROPENE	6.62	39	25403	4.77	PPBV	99
20) FREON 113	6.75	151	75276	5.35	PPBV	100
21) TRANS-1,2-DICHLOROETHYLENE	7.42	96	34377	5.11	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.48	59	53592	4.98	PPBV	79
23) METHYL TERTIARY BUTYL ETHE	7.69	73	73287	5.20	PPBV	99
24) TETRAHYDROFURAN	9.14	42	18688	4.81	PPBV	99
25) HEXANE	8.60	57	37416	5.45	PPBV	98
26) VINYL ACETATE	7.76	43	44044	5.12	PPBV	88
27) 1,1-DICHLOROETHANE	7.62	63	55751	5.08	PPBV	100
28) METHYL ETHYL KETONE	8.03	43	37457	5.09	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.43	96	32497	4.89	PPBV	99
30) ETHYL ACETATE	8.65	43	39755	5.00	PPBV #	91
31) CHLOROFORM	8.71	83	82862	5.19	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.65	97	98310	5.07	PPBV	98
33) CARBON TETRACHLORIDE	10.23	117	129675	5.48	PPBV	100
34) 1,2-DICHLOROETHANE	9.42	62	47917	5.13	PPBV	98
36) BENZENE	10.09	78	74217	4.68	PPBV	99
37) CYCLOHEXANE	10.34	84	37779	4.93	PPBV	98
38) TRICHLOROETHYLENE	11.09	95	42162	4.86	PPBV	99
39) 1,2-DICHLOROPROPANE	10.87	63	24892	4.83	PPBV	98
40) BROMODICHLOROMETHANE	11.06	83	77147	5.06	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.09	57	120555	4.54	PPBV	99
42) 1,4-DIOXANE	11.15	88	10657	3.60	PPBV	93
43) HEPTANE	11.33	43	35560	4.71	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10139.D
Acq On : 26 Apr 2007 2:44 pm
Operator : danat
Sample : IC525-5 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 15:12:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 14:21:52 2007
Response via : Initial Calibration

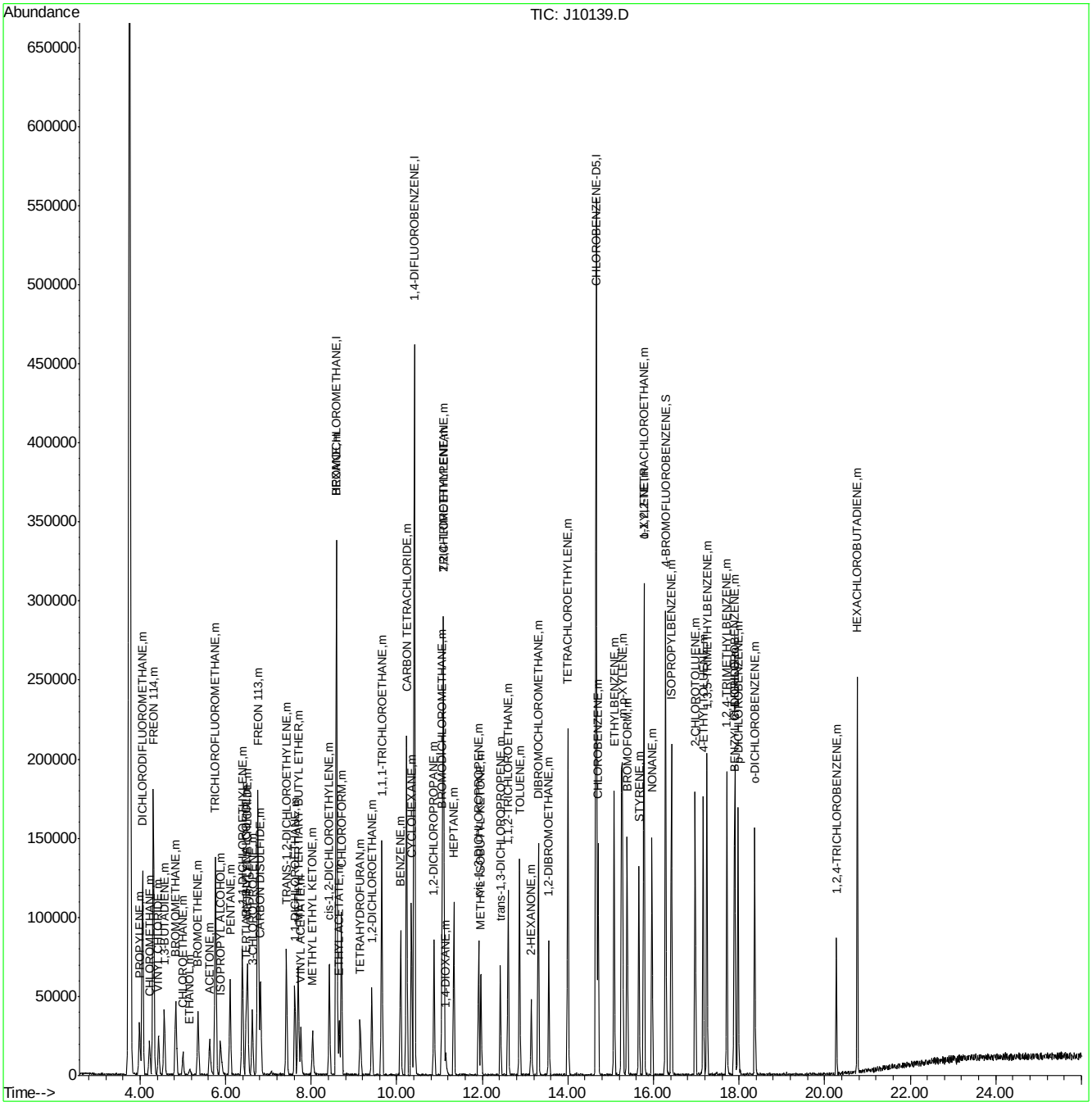
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.96	43	40987	4.34	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.91	75	41524	4.58	PPBV	98
46) TOLUENE	12.87	92	53131	4.65	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.42	75	35093	4.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.61	83	26926	4.77	PPBV	99
50) 2-HEXANONE	13.14	43	32630	4.35	PPBV	97
51) TETRACHLOROETHYLENE	14.00	164	46343	4.85	PPBV	99
52) DIBROMOCHLOROMETHANE	13.31	129	75992	5.07	PPBV	99
53) 1,2-DIBROMOETHANE	13.55	107	50585	4.82	PPBV	99
54) CHLOROBENZENE	14.70	112	76496	4.95	PPBV	100
55) ETHYLBENZENE	15.08	91	118856	4.80	PPBV	99
56) m,p-XYLENE	15.28	106	94563m	9.53	PPBV	
57) o-XYLENE	15.77	106	45731	4.51	PPBV	97
58) STYRENE	15.66	104	59804	4.09	PPBV	99
59) NONANE	15.97	43	45676	4.49	PPBV	97
60) BROMOFORM	15.38	173	73396	4.72	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	62150	4.48	PPBV	100
63) ISOPROPYLBENZENE	16.42	105	138472	4.59	PPBV	99
64) 2-CHLOROTOLUENE	16.97	91	91590	4.40	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	105069	4.13	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	106229	4.34	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	96061	4.15	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	69422	4.19	PPBV	98
69) BENZYL CHLORIDE	17.88	91	58018	3.86	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	63055	3.96	PPBV	97
71) o-DICHLOROBENZENE	18.36	146	60018	4.08	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	40621	4.82	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	23145	3.98	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10139.D
Acq On : 26 Apr 2007 2:44 pm
Operator : danat
Sample : IC525-5 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 15:12:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 14:21:52 2007
Response via : Initial Calibration



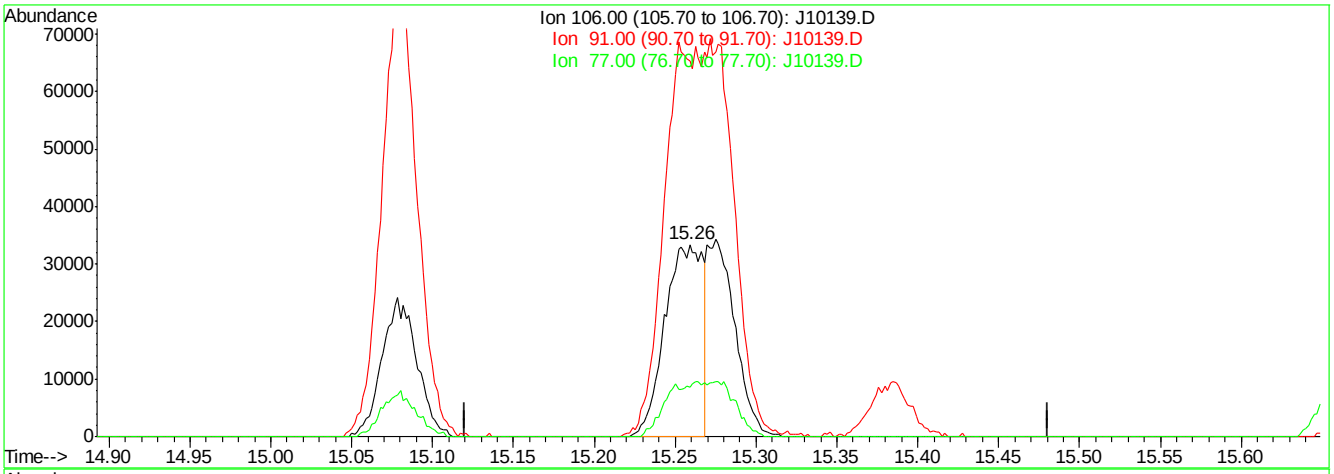
ACCUTEST Laboratories M64318

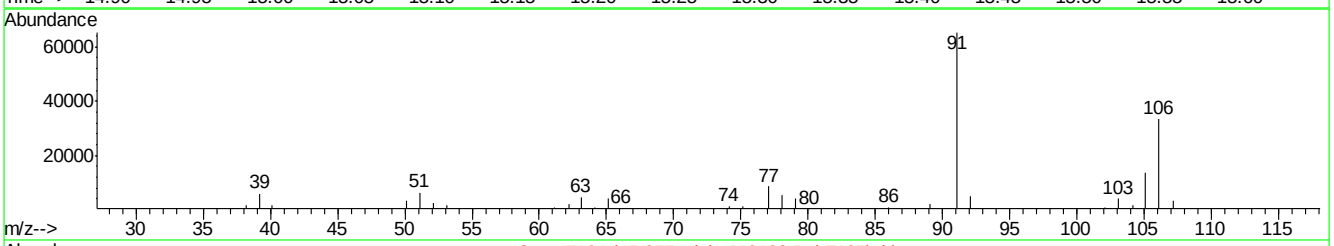
Quantitation Report (Qedit)

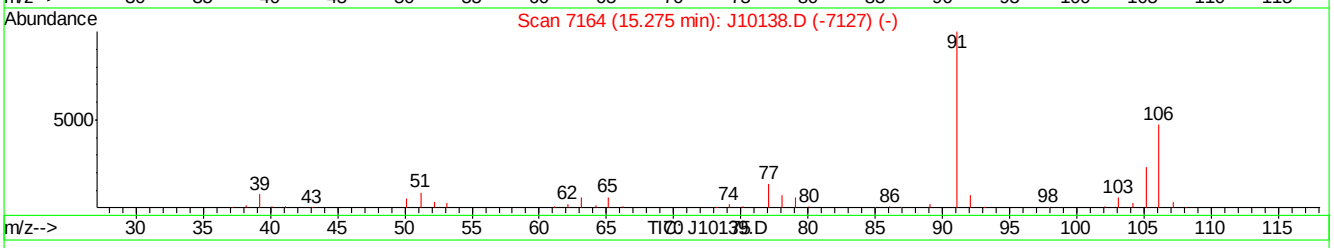
Data File : C:\MSDCHEM\1\DATA\J10139.D Vial: 4
Acq On : 26 Apr 2007 2:44 pm Operator: danat
Sample : IC525-5 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 15:10:41 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:21:52 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 5.39PPBV

response 53446

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	195.71
77.00	28.30	25.72
0.00	0.00	0.00

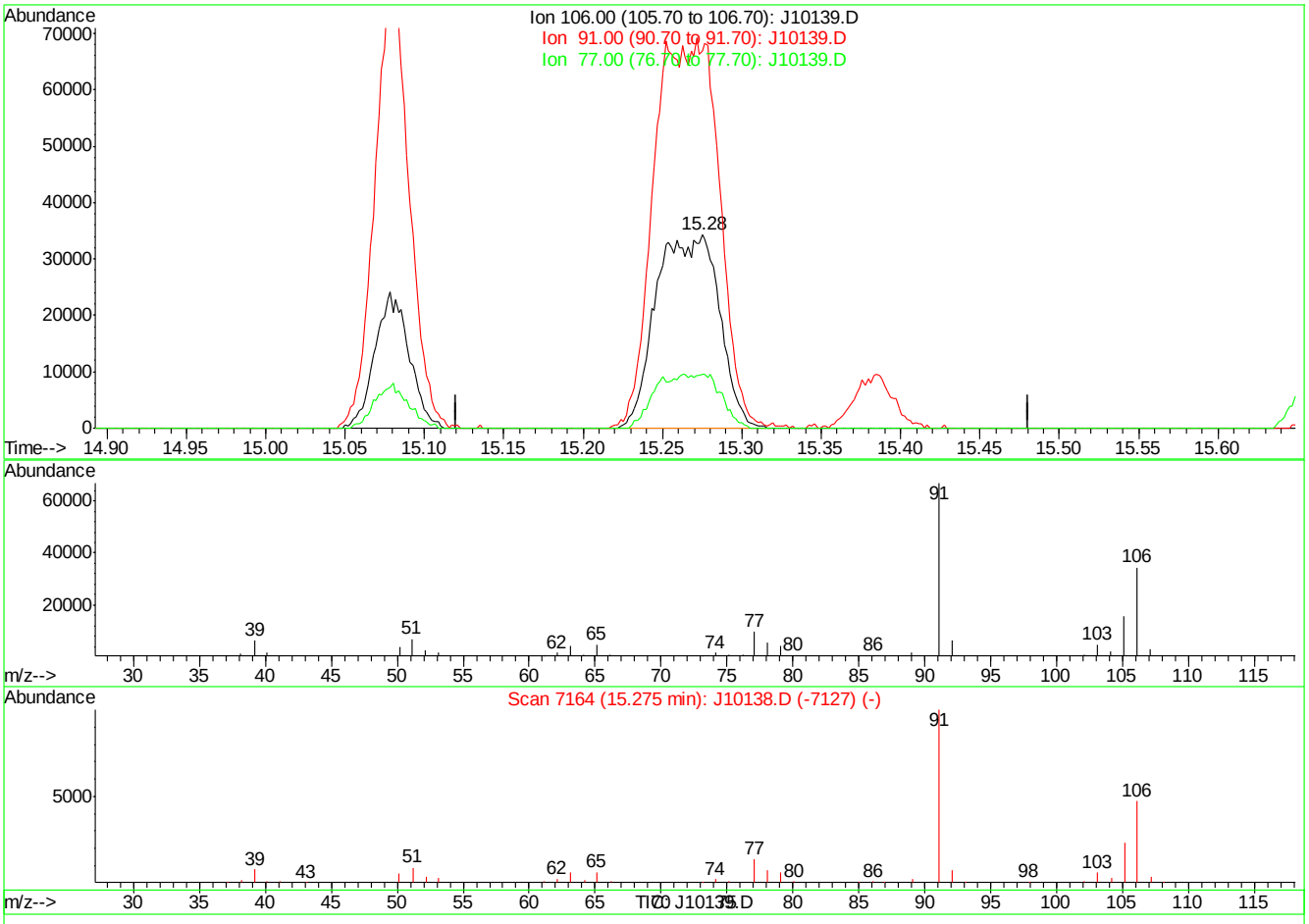
J10139.D J042607T.M Thu Apr 26 15:11:58 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10139.D Vial: 4
Acq On : 26 Apr 2007 2:44 pm Operator: danat
Sample : IC525-5 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 15:10:41 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:21:52 2007
Response via : Multiple Level Calibration



(56) m,p-XYLENE (m)

15.28min 9.53PPBV m

response 94563

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	194.23
77.00	28.30	27.87
0.00	0.00	0.00

J10139.D J042607T.M Thu Apr 26 15:12:08 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10140.D
Acq On : 26 Apr 2007 3:47 pm
Operator : danat
Sample : IC525-2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:15:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:13:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.58	128	72125	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.40	114	296310	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.65	117	258739	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	83419	4.98	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 99.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.05	85	61718	2.46	PPBV	99
3) PROPYLENE	3.98	41	8422	2.39	PPBV	90
4) FREON 114	4.31	85	50502	2.54	PPBV	99
5) CHLOROMETHANE	4.22	50	11129	2.40	PPBV	92
6) VINYL CHLORIDE	4.43	62	13476	2.36	PPBV	96
7) 1,3-BUTADIENE	4.56	39	9281	2.31	PPBV	98
8) BROMOMETHANE	4.83	94	16087	2.44	PPBV	98
9) CHLOROETHANE	4.99	64	6447	2.48	PPBV #	74
10) TRICHLOROFLUOROMETHANE	5.76	101	64293	2.67	PPBV	100
11) ISOPROPYL ALCOHOL	5.87	45	19077	2.94	PPBV	91
12) ACETONE	5.61	43	19698	3.24	PPBV	94
13) PENTANE	6.09	42	11191	2.56	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.39	96	14162	2.33	PPBV	94
15) CARBON DISULFIDE	6.81	76	41875	2.50	PPBV	96
16) ETHANOL	5.15	45	3063	3.16	PPBV #	79
17) BROMOETHENE	5.35	106	15364	2.35	PPBV	99
18) METHYLENE CHLORIDE	6.50	84	21145	3.95	PPBV	98
19) 3-CHLOROPROPENE	6.62	39	11879	2.54	PPBV	94
20) FREON 113	6.74	151	34585	2.72	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.41	96	15357	2.56	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.47	59	24465	2.56	PPBV	91
23) METHYL TERTIARY BUTYL ETHE	7.69	73	32989	2.61	PPBV	99
24) TETRAHYDROFURAN	9.14	42	8329	2.44	PPBV	94
25) HEXANE	8.59	57	20945	3.36	PPBV	97
26) VINYL ACETATE	7.75	43	19709	2.56	PPBV	94
27) 1,1-DICHLOROETHANE	7.61	63	25394	2.60	PPBV	99
28) METHYL ETHYL KETONE	8.03	43	19177	2.92	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.41	96	14378	2.45	PPBV	97
30) ETHYL ACETATE	8.64	43	19562	2.77	PPBV #	93
31) CHLOROFORM	8.70	83	38779	2.71	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.64	97	46429	2.69	PPBV	97
33) CARBON TETRACHLORIDE	10.22	117	57678	2.68	PPBV	97
34) 1,2-DICHLOROETHANE	9.40	62	22915	2.75	PPBV	99
36) BENZENE	10.08	78	34284	2.63	PPBV	99
37) CYCLOHEXANE	10.33	84	15309	2.40	PPBV	100
38) TRICHLOROETHYLENE	11.08	95	18814	2.62	PPBV	98
39) 1,2-DICHLOROPROPANE	10.87	63	11525	2.70	PPBV	98
40) BROMODICHLOROMETHANE	11.05	83	35762	2.80	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.09	57	52769	2.44	PPBV	99
42) 1,4-DIOXANE	11.15	88	6789	2.95	PPBV	88
43) HEPTANE	11.33	43	14993	2.42	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10140.D
Acq On : 26 Apr 2007 3:47 pm
Operator : danat
Sample : IC525-2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:15:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:13:12 2007
Response via : Initial Calibration

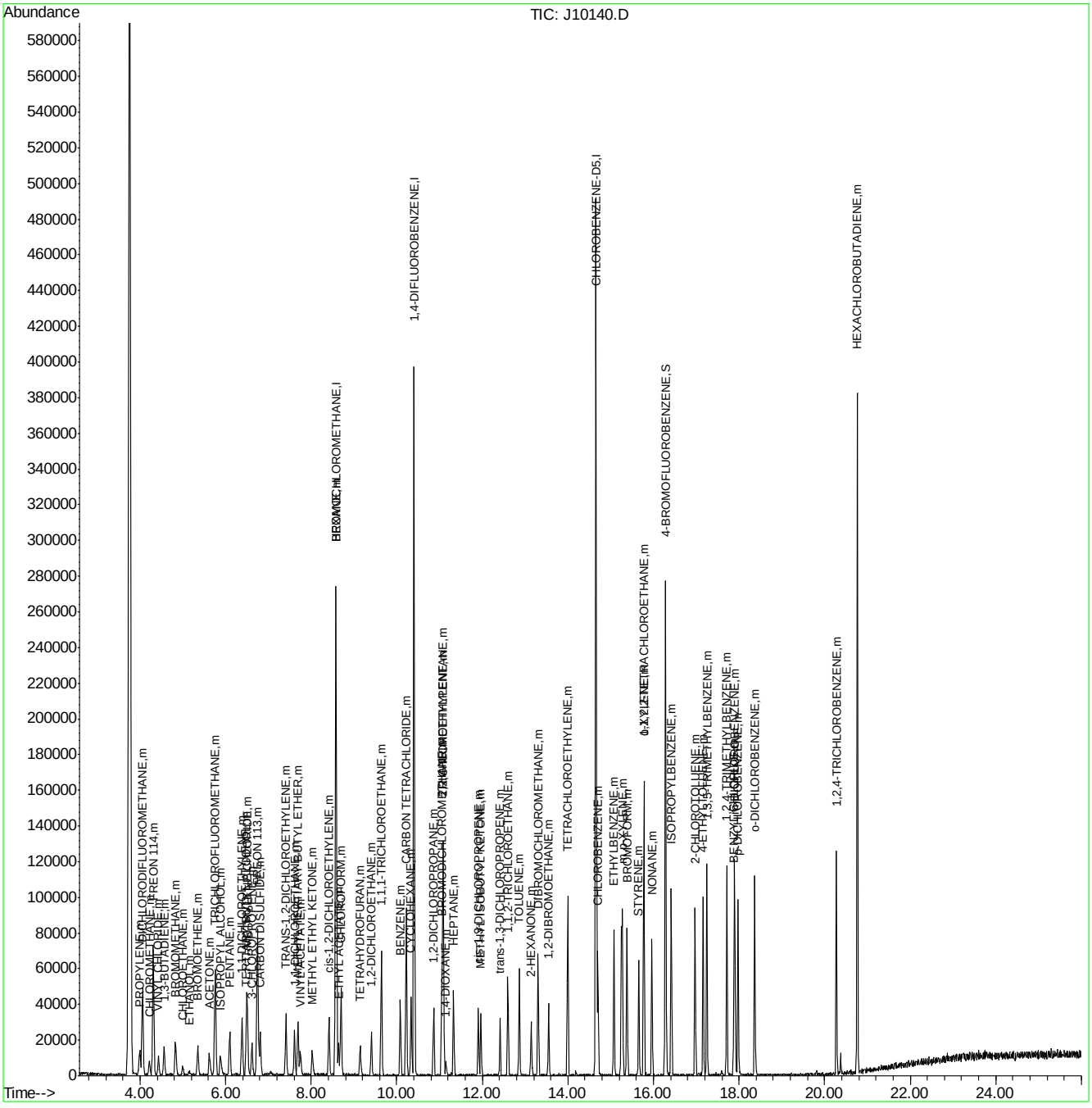
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.96	43	22160	2.91	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.91	75	18565	2.51	PPBV	98
46) TOLUENE	12.86	92	23276	2.48	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.41	75	15689	2.42	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.60	83	12643	2.71	PPBV	97
50) 2-HEXANONE	13.14	43	20760	3.26	PPBV	97
51) TETRACHLOROETHYLENE	13.99	164	21964	2.64	PPBV	96
52) DIBROMOCHLOROMETHANE	13.31	129	36153	2.74	PPBV	100
53) 1,2-DIBROMOETHANE	13.55	107	25148	2.75	PPBV	99
54) CHLOROBENZENE	14.70	112	36068	2.66	PPBV	99
55) ETHYLBENZENE	15.07	91	53484	2.48	PPBV	100
56) m,p-XYLENE	15.27	106	43661	5.07	PPBV	89
57) o-XYLENE	15.78	106	21701	2.50	PPBV	100
58) STYRENE	15.66	104	29428	2.40	PPBV	99
59) NONANE	15.96	43	23058	2.65	PPBV	99
60) BROMOFORM	15.38	173	39330	2.92	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	38225	3.22	PPBV	98
63) ISOPROPYLBENZENE	16.42	105	66866	2.58	PPBV	98
64) 2-CHLOROTOLUENE	16.97	91	47991	2.71	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	57232	2.68	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	60587	2.91	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	56424	2.90	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	43430	3.11	PPBV	100
69) BENZYL CHLORIDE	17.88	91	38086	3.06	PPBV	98
70) p-DICHLOROBENZENE	17.97	146	40832	3.08	PPBV	99
71) o-DICHLOROBENZENE	18.36	146	41724	3.38	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	62818	8.56	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	33620	6.94	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10140.D
Acq On : 26 Apr 2007 3:47 pm
Operator : danat
Sample : IC525-2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:15:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:13:12 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64318

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10141.D
Acq On : 26 Apr 2007 4:42 pm
Operator : danat
Sample : IC525-0.5 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 08:10:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:18:29 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.58	128	72731	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.40	114	309052	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.65	117	257665	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	73727	4.42	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 88.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.05	85	14683	0.56	PPBV	98
3) PROPYLENE	3.98	41	1618	0.44	PPBV #	79
4) FREON 114	4.31	85	11740	0.55	PPBV	97
5) CHLOROMETHANE	4.22	50	1326	0.27	PPBV #	44
6) VINYL CHLORIDE	4.43	62	2896	0.48	PPBV #	56
7) 1,3-BUTADIENE	4.56	39	797	0.19	PPBV #	8
8) BROMOMETHANE	4.83	94	3561	0.51	PPBV #	11
9) CHLOROETHANE	5.00	64	914m	0.33	PPBV	
10) TRICHLOROFLUOROMETHANE	5.75	101	14889	0.57	PPBV	95
11) ISOPROPYL ALCOHOL	5.91	45	3561m	0.50	PPBV	
12) ACETONE	5.64	43	4026	0.58	PPBV	71
13) PENTANE	6.09	42	2303	0.49	PPBV #	9
14) 1,1-DICHLOROETHYLENE	6.39	96	2841	0.45	PPBV #	1
15) CARBON DISULFIDE	6.81	76	9618	0.54	PPBV #	79
16) ETHANOL	5.19	45	99	0.09	PPBV #	77
17) BROMOETHENE	5.35	106	3062	0.45	PPBV #	91
18) METHYLENE CHLORIDE	6.51	84	7171	1.11	PPBV	97
19) 3-CHLOROPROPENE	6.61	39	2258	0.45	PPBV #	64
20) FREON 113	6.75	151	7464	0.54	PPBV #	77
21) TRANS-1,2-DICHLOROETHYLENE	7.42	96	3082	0.48	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.53	59	4645	0.46	PPBV	64
23) METHYL TERTIARY BUTYL ETHE	7.71	73	6553	0.48	PPBV	89
24) TETRAHYDROFURAN	9.18	42	902	0.25	PPBV #	43
25) HEXANE	8.58	57	4518	0.63	PPBV	96
26) VINYL ACETATE	7.76	43	3447	0.42	PPBV #	68
27) 1,1-DICHLOROETHANE	7.61	63	5439	0.52	PPBV	89
28) METHYL ETHYL KETONE	8.05	43	3535	0.49	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.42	96	3033	0.49	PPBV	96
30) ETHYL ACETATE	8.65	43	3732	0.49	PPBV #	87
31) CHLOROFORM	8.70	83	8185	0.53	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.64	97	9694	0.52	PPBV	95
33) CARBON TETRACHLORIDE	10.22	117	12670	0.55	PPBV	99
34) 1,2-DICHLOROETHANE	9.41	62	4163	0.46	PPBV #	91
36) BENZENE	10.09	78	6347	0.44	PPBV	90
37) CYCLOHEXANE	10.33	84	2686	0.39	PPBV	89
38) TRICHLOROETHYLENE	11.08	95	3731	0.47	PPBV	96
39) 1,2-DICHLOROPROPANE	10.87	63	1871	0.39	PPBV #	56
40) BROMODICHLOROMETHANE	11.06	83	6949	0.48	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.09	57	9355	0.40	PPBV #	49
43) HEPTANE	11.33	43	2424	0.36	PPBV	90
44) METHYL ISOBUTYL KETONE	11.98	43	3079	0.36	PPBV #	53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10141.D
Acq On : 26 Apr 2007 4:42 pm
Operator : danat
Sample : IC525-0.5 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 08:10:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:18:29 2007
Response via : Initial Calibration

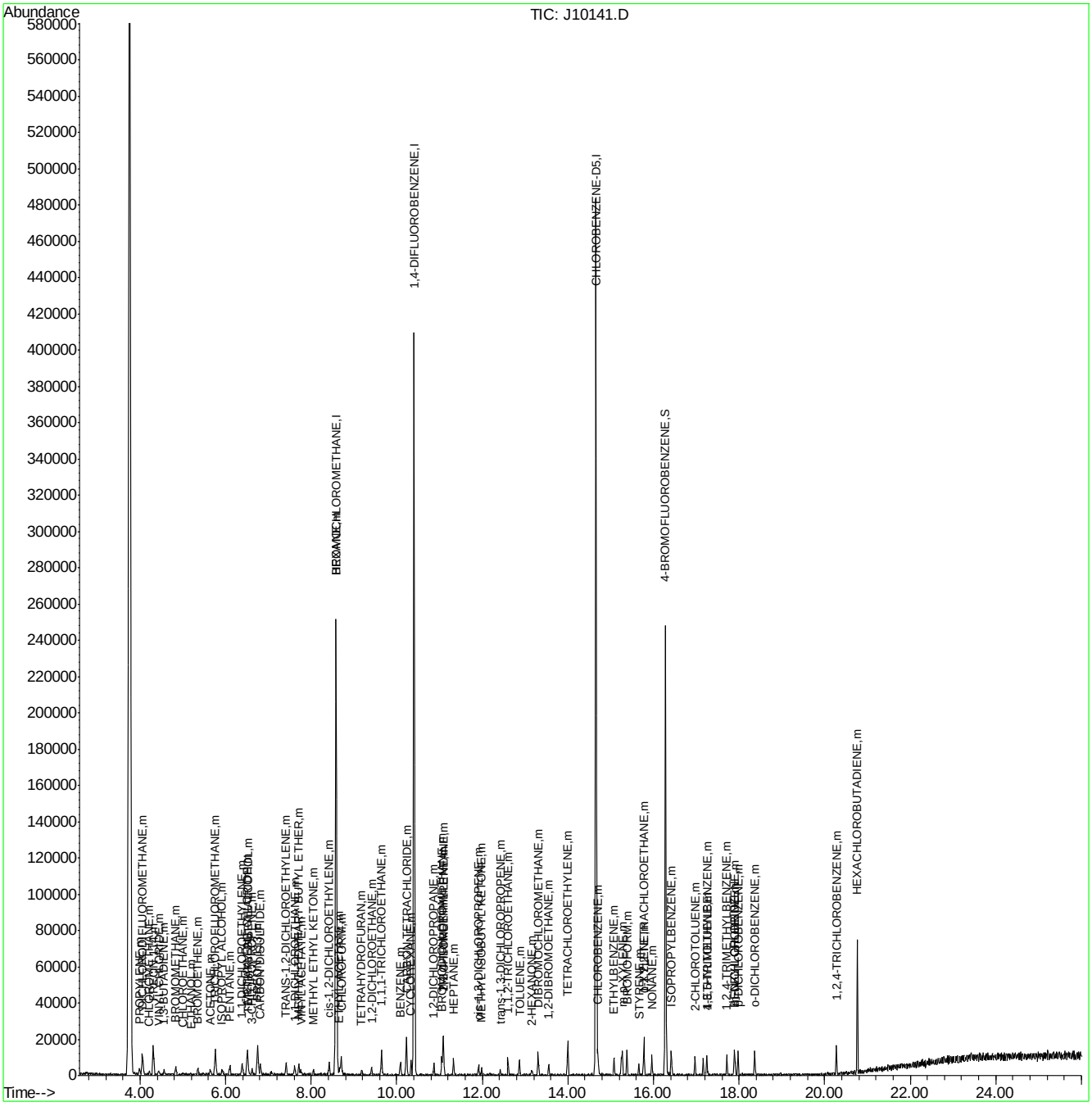
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.91	75	2820	0.35	PPBV		90
46) TOLUENE	12.87	92	3896	0.38	PPBV		88
47) trans-1,3-DICHLOROPROPENE	12.42	75	2158	0.31	PPBV		82
48) 1,1,2-TRICHLOROETHANE	12.60	83	2262	0.43	PPBV		96
50) 2-HEXANONE	13.16	43	2506	0.35	PPBV	#	75
51) TETRACHLOROETHYLENE	14.00	164	4314	0.49	PPBV		98
52) DIBROMOCHLOROMETHANE	13.30	129	6929	0.49	PPBV		99
53) 1,2-DIBROMOETHANE	13.55	107	4379	0.45	PPBV	#	99
54) CHLOROBENZENE	14.70	112	6668	0.46	PPBV		96
55) ETHYLBENZENE	15.08	91	7802	0.35	PPBV		95
56) m,p-XYLENE	15.27	106	6412	0.71	PPBV	#	65
57) o-XYLENE	15.77	106	2821	0.31	PPBV		87
58) STYRENE	15.66	104	3475	0.27	PPBV		94
59) NONANE	15.96	43	3001	0.33	PPBV	#	74
60) BROMOFORM	15.38	173	6568	0.45	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	6181	0.47	PPBV	#	94
63) ISOPROPYLBENZENE	16.42	105	9816	0.36	PPBV		97
64) 2-CHLOROTOLUENE	16.97	91	6311	0.33	PPBV		99
65) 4-ETHYLTOLUENE	17.25	105	7575	0.33	PPBV		71
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	7575	0.34	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	6404	0.30	PPBV		95
68) m-DICHLOROBENZENE	17.90	146	5993	0.39	PPBV		97
69) BENZYL CHLORIDE	17.89	91	5006	0.37	PPBV		85
70) p-DICHLOROBENZENE	17.98	146	5829	0.40	PPBV		97
71) o-DICHLOROBENZENE	18.37	146	6289	0.45	PPBV		97
72) HEXACHLOROBUTADIENE	20.76	225	11531	0.95	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	5633	0.78	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10141.D
Acq On : 26 Apr 2007 4:42 pm
Operator : danat
Sample : IC525-0.5 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 08:10:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:18:29 2007
Response via : Initial Calibration

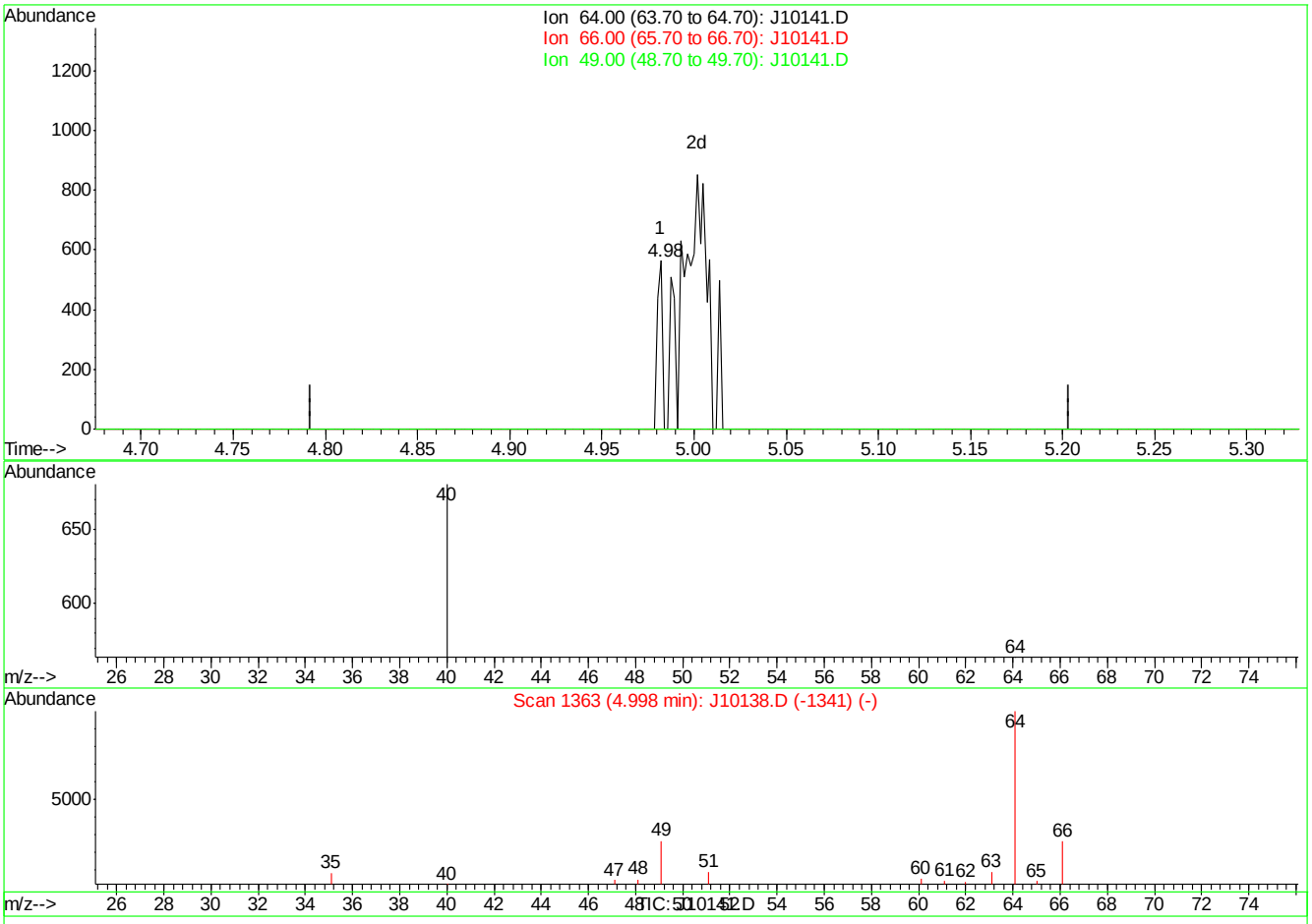


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration



(9) CHLOROETHANE (m)

4.98min 0.04PPBV

response 107

Ion	Exp%	Act%
64.00	100	100
66.00	31.90	0.00#
49.00	29.80	0.00#
0.00	0.00	0.00

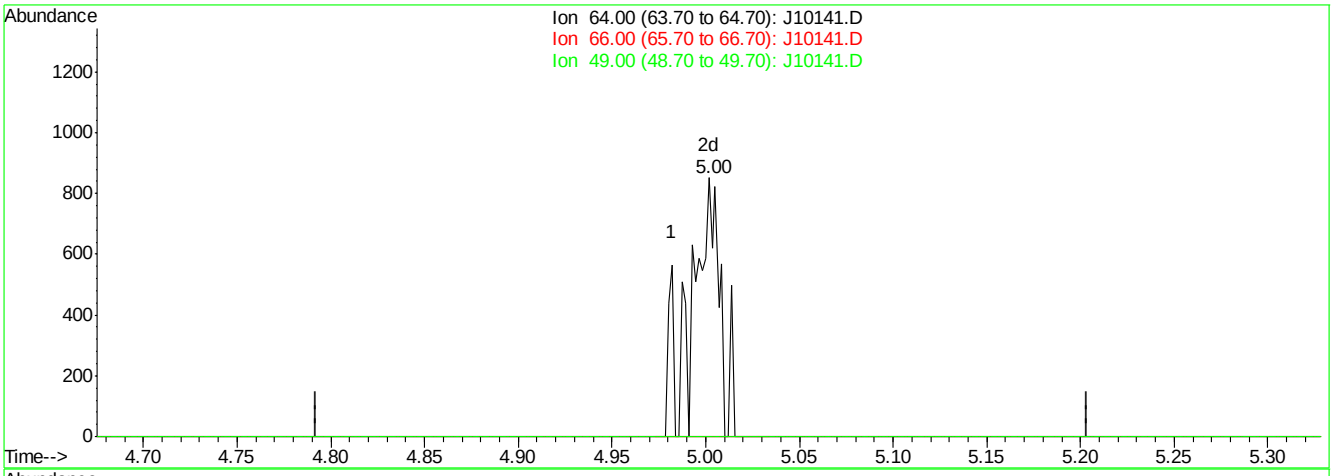
J10141.D J042607T.M Fri Apr 27 08:09:40 2007

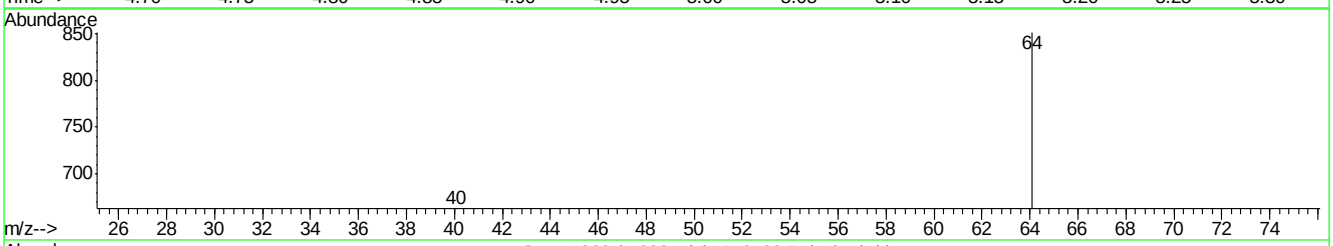
Quantitation Report (Qedit)

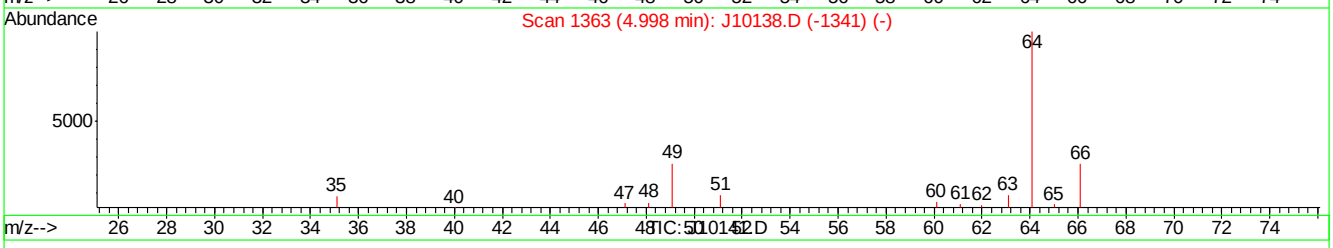
Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.00min 0.33PPBV m

response 914

Ion	Exp%	Act%
64.00	100	100
66.00	31.90	0.00#
49.00	29.80	0.00#
0.00	0.00	0.00

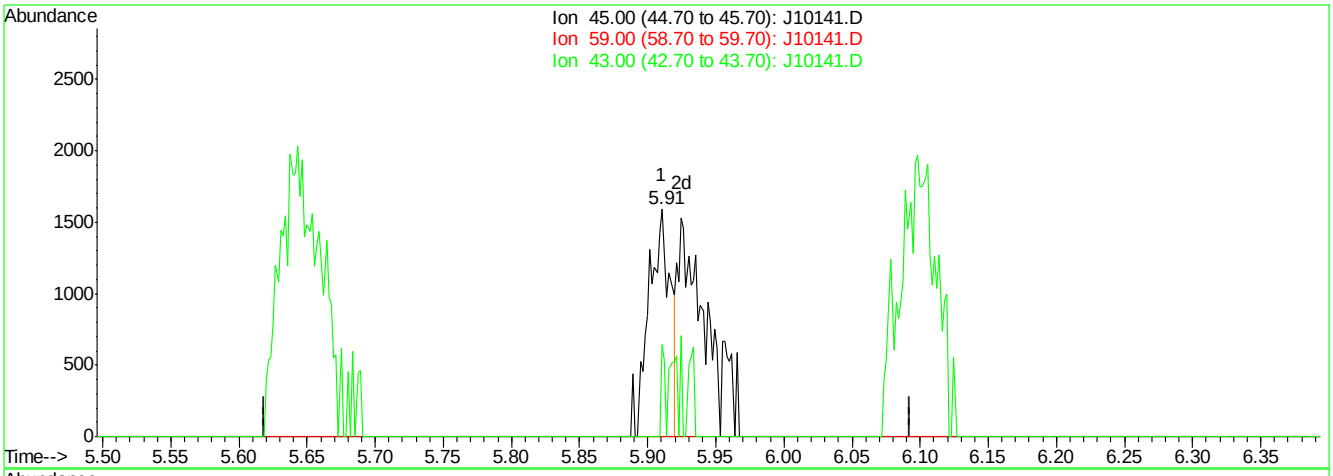
J10141.D J042607T.M Fri Apr 27 08:09:46 2007

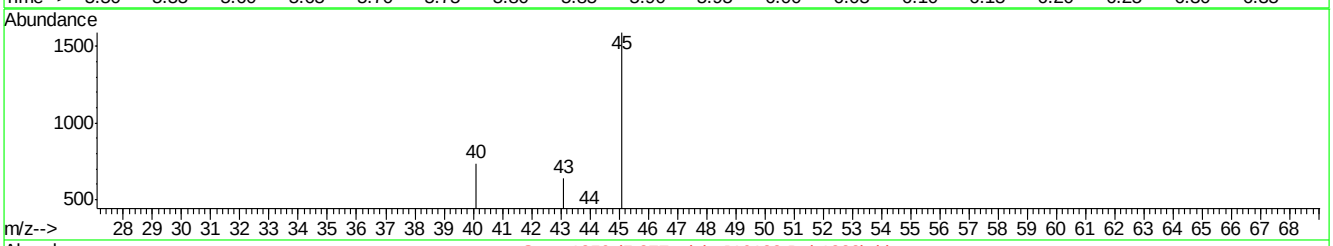
Quantitation Report (Qedit)

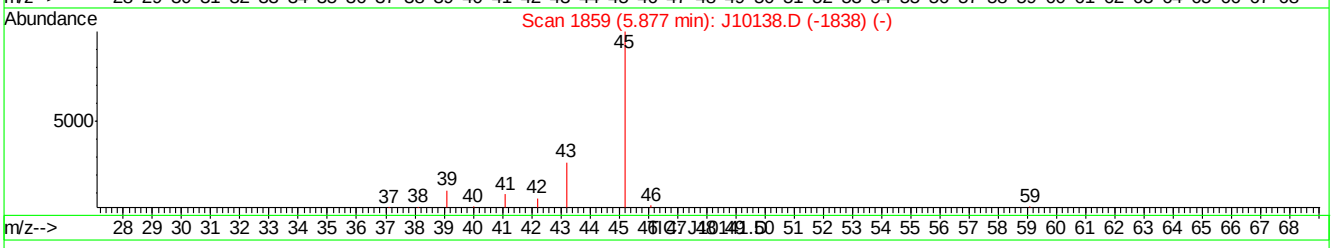
Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.91min 0.24PPBV

response 1716

Ion	Exp%	Act%
45.00	100	100
59.00	2.60	0.00
43.00	27.00	40.35
0.00	0.00	0.00

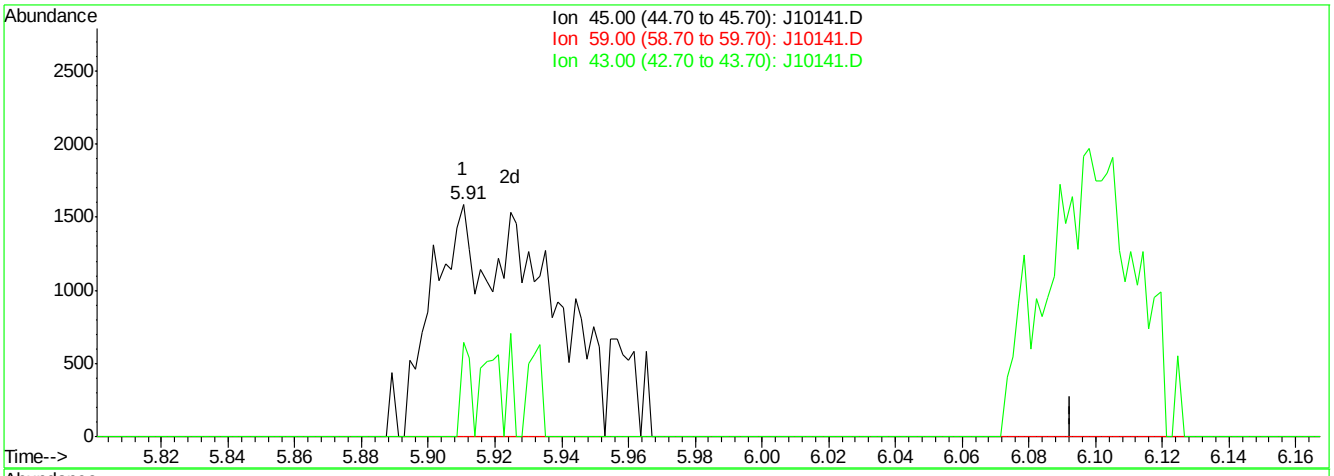
J10141.D J042607T.M Fri Apr 27 08:09:55 2007

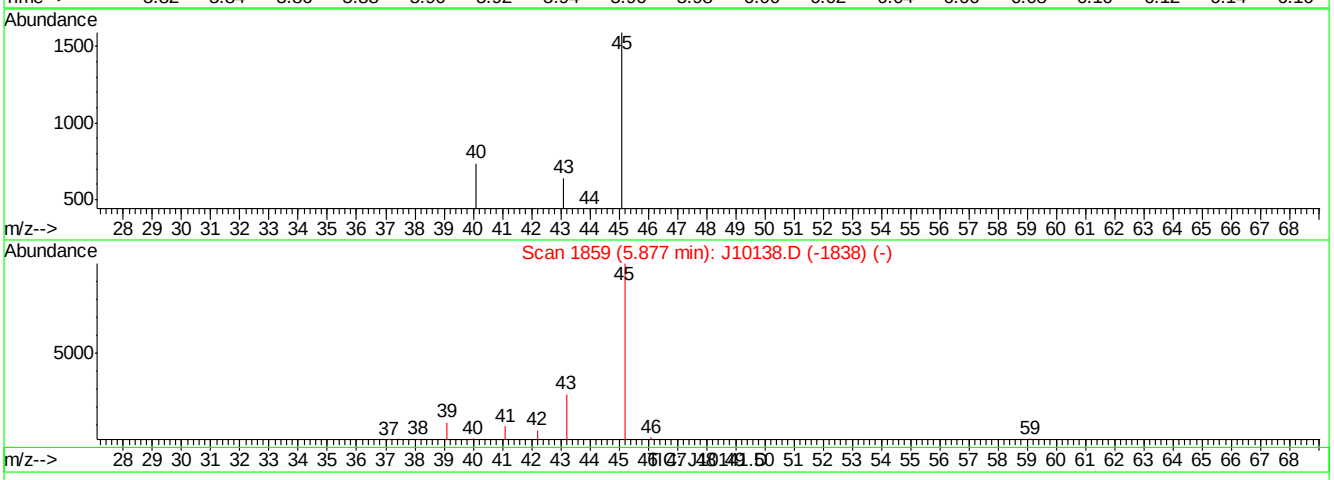
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.91min 0.50PPBV m

response 3561

Ion	Exp%	Act%
45.00	100	100
59.00	2.60	0.00
43.00	27.00	40.35
0.00	0.00	0.00

J10141.D J042607T.M Fri Apr 27 08:10:06 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10143.D
Acq On : 26 Apr 2007 6:19 pm
Operator : danat
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 27 08:11:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 08:11:11 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	78991	10.00	PPBV	0.03
35) 1,4-DIFLUOROBENZENE	10.45	114	331420	10.00	PPBV	0.03
49) CHLOROBENZENE-D5	14.68	117	309562	10.00	PPBV	0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	115504	6.02	PPBV	0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 120.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1185013	39.25	PPBV	100
3) PROPYLENE	3.99	41	157372	40.04	PPBV	90
4) FREON 114	4.32	85	952758	40.05	PPBV	99
5) CHLOROMETHANE	4.22	50	205136	45.50	PPBV	95
6) VINYL CHLORIDE	4.45	62	260183	45.12	PPBV	99
7) 1,3-BUTADIENE	4.58	39	194987	53.84	PPBV	96
8) BROMOMETHANE	4.85	94	310484	43.21	PPBV	98
9) CHLOROETHANE	5.02	64	123332	50.31	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	1217994	40.92	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	343660	50.30	PPBV	96
12) ACETONE	5.64	43	331335	42.82	PPBV	97
13) PENTANE	6.13	42	210264	44.81	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.42	96	295716	48.68	PPBV	99
15) CARBON DISULFIDE	6.85	76	791050	39.57	PPBV	100
16) ETHANOL	5.18	45	50999	49.84	PPBV #	53
17) BROMOETHENE	5.38	106	319683	48.44	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	259131	24.35	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	253117	52.61	PPBV	97
20) FREON 113	6.79	151	653193	42.22	PPBV	98
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	302753	49.09	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.52	59	534344	56.17	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.72	73	704364	49.59	PPBV	99
24) TETRAHYDROFURAN	9.17	42	187770	52.45	PPBV	99
25) HEXANE	8.63	57	320381	36.70	PPBV	99
26) VINYL ACETATE	7.80	43	437752	58.15	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	510046	45.14	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	360206	49.56	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.46	96	310714	48.99	PPBV	99
30) ETHYL ACETATE	8.69	43	401530	52.47	PPBV	99
31) CHLOROFORM	8.75	83	773714	45.25	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	940577	45.93	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1159283	44.92	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	479514	51.87	PPBV	100
36) BENZENE	10.13	78	757172	50.67	PPBV	99
37) CYCLOHEXANE	10.37	84	339538	51.77	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	431142	53.08	PPBV	96
39) 1,2-DICHLOROPROPANE	10.91	63	245352	54.42	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	761084	48.96	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1236653	52.49	PPBV	99
42) 1,4-DIOXANE	11.16	88	143240	50.83	PPBV	96
43) HEPTANE	11.37	43	356315	57.14	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10143.D
Acq On : 26 Apr 2007 6:19 pm
Operator : danat
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 27 08:11:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 08:11:11 2007
Response via : Initial Calibration

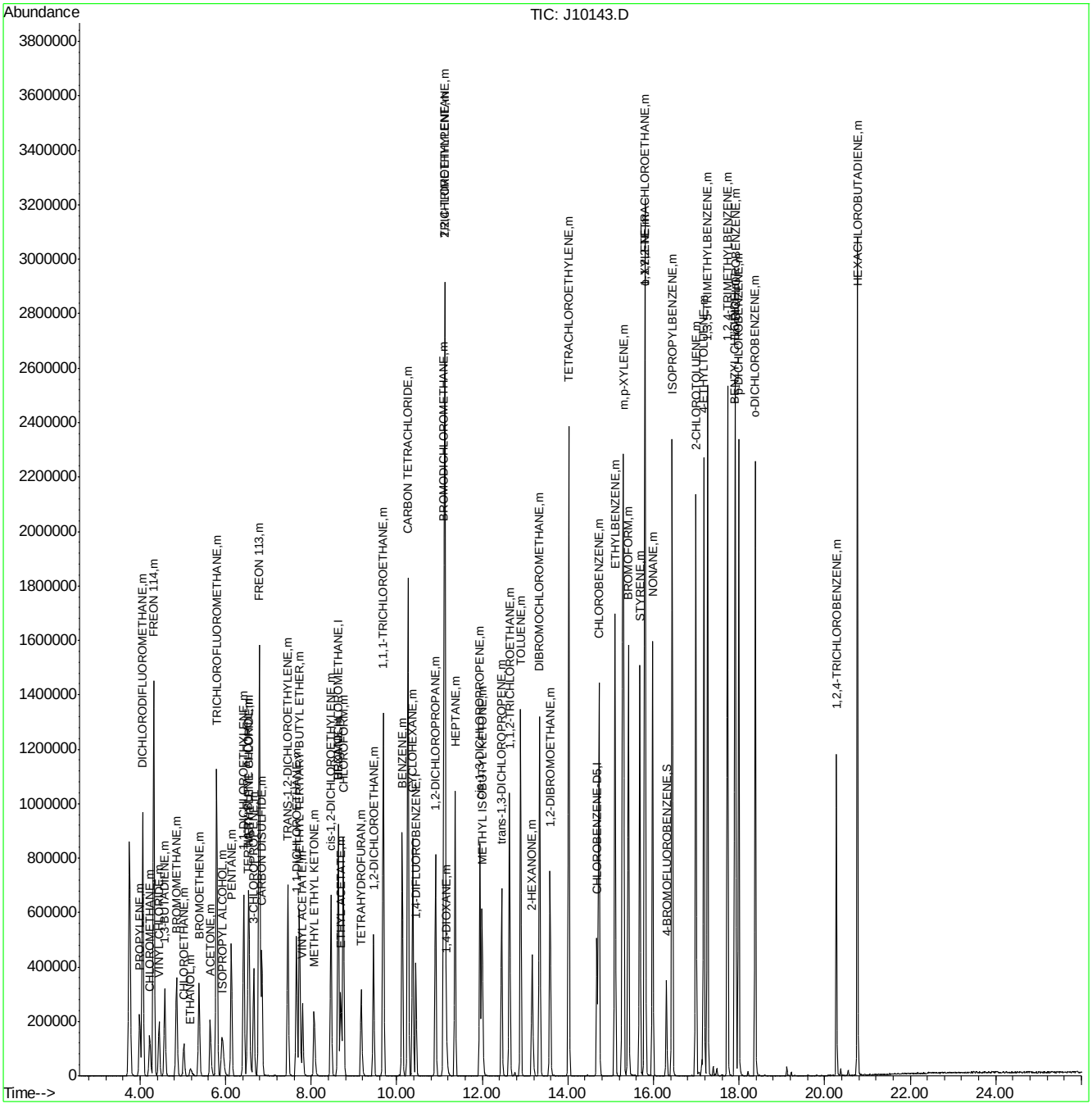
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470586	61.43	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	455466	58.69	PPBV	99
46) TOLUENE	12.89	92	569961	56.22	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	410945	65.44	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	279073	54.63	PPBV	100
50) 2-HEXANONE	13.16	43	400408	56.81	PPBV	100
51) TETRACHLOROETHYLENE	14.02	164	523312	48.82	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	822091	47.77	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	576849	51.22	PPBV	99
54) CHLOROBENZENE	14.73	112	824426	49.22	PPBV	100
55) ETHYLBENZENE	15.10	91	1333752	54.41	PPBV	100
56) m,p-XYLENE	15.29	106	1101128	120.39	PPBV	93
57) o-XYLENE	15.80	106	573578	60.41	PPBV	96
58) STYRENE	15.68	104	814578	63.43	PPBV	99
59) NONANE	15.98	43	542994	56.39	PPBV	98
60) BROMOFORM	15.41	173	878155	51.67	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	773873	52.97	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1695353	56.92	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1184329	58.13	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1466947	61.00	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1429049	58.79	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	1363627	61.82	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	961788	55.40	PPBV	99
69) BENZYL CHLORIDE	17.90	91	870725	59.58	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	907856	55.93	PPBV	97
71) o-DICHLOROBENZENE	18.38	146	856519	53.23	PPBV	100
72) HEXACHLOROBUTADIENE	20.77	225	506451	27.13	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.28	180	309374	31.94	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10143.D
Acq On : 26 Apr 2007 6:19 pm
Operator : danat
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 27 08:11:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 08:11:11 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64318

J10144.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10144.D
Acq On : 27 Apr 2007 9:19 am
Operator : danat
Sample : IC525-0.2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 09:51:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:40:24 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	76765	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	323888	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	262544	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	71375	4.34	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 86.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	6515	0.21	PPBV	72
3) PROPYLENE	4.00	41	332	0.08	PPBV #	16
4) FREON 114	4.32	85	5456	0.23	PPBV	94
5) CHLOROMETHANE	4.23	50	275	0.06	PPBV #	44
6) VINYL CHLORIDE	4.45	62	785	0.13	PPBV #	49
7) 1,3-BUTADIENE	4.58	39	483	0.13	PPBV #	63
8) BROMOMETHANE	4.86	94	1158	0.16	PPBV #	76
9) CHLOROETHANE	5.03	64	95	0.04	PPBV #	44
10) TRICHLOROFLUOROMETHANE	5.79	101	6968	0.23	PPBV	91
11) ISOPROPYL ALCOHOL	5.97	45	1616	0.23	PPBV #	52
12) ACETONE	5.69	43	2506	0.32	PPBV	70
13) PENTANE	6.15	42	819	0.17	PPBV #	28
14) 1,1-DICHLOROETHYLENE	6.42	96	1112	0.18	PPBV #	59
15) CARBON DISULFIDE	6.84	76	4870	0.24	PPBV #	62
17) BROMOETHENE	5.37	106	437	0.06	PPBV #	34
18) METHYLENE CHLORIDE	6.55	84	4559	0.43	PPBV	96
19) 3-CHLOROPROPENE	6.65	39	114	0.02	PPBV #	66
20) FREON 113	6.80	151	3175	0.20	PPBV #	15
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1158	0.18	PPBV #	69
22) TERTIARY BUTYL ALCOHOL	6.59	59	1245m	0.13	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.76	73	2487	0.17	PPBV	64
24) TETRAHYDROFURAN	9.23	42	156	0.04	PPBV #	27
25) HEXANE	8.63	57	2069	0.23	PPBV #	78
26) VINYL ACETATE	7.81	43	1040m	0.13	PPBV	
27) 1,1-DICHLOROETHANE	7.66	63	2040	0.18	PPBV #	57
28) METHYL ETHYL KETONE	8.10	43	1876	0.25	PPBV #	55
29) cis-1,2-DICHLOROETHYLENE	8.46	96	1149	0.18	PPBV #	73
30) ETHYL ACETATE	8.71	43	1573m	0.20	PPBV	
31) CHLOROFORM	8.74	83	3405	0.19	PPBV	85
32) 1,1,1-TRICHLOROETHANE	9.68	97	4135	0.20	PPBV	93
33) CARBON TETRACHLORIDE	10.26	117	5358	0.20	PPBV	98
34) 1,2-DICHLOROETHANE	9.44	62	2032	0.21	PPBV #	61
36) BENZENE	10.12	78	3008	0.20	PPBV #	61
37) CYCLOHEXANE	10.37	84	825	0.12	PPBV #	78
38) TRICHLOROETHYLENE	11.12	95	1634	0.20	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	790	0.17	PPBV #	60
40) BROMODICHLOROMETHANE	11.09	83	3165	0.20	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	3840	0.16	PPBV #	91
43) HEPTANE	11.36	43	799	0.12	PPBV #	32
44) METHYL ISOBUTYL KETONE	12.01	43	1806	0.23	PPBV #	58
45) cis-1,3-DICHLOROPROPENE	11.93	75	1374	0.17	PPBV #	38

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10144.D
Acq On : 27 Apr 2007 9:19 am
Operator : danat
Sample : IC525-0.2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 09:51:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:40:24 2007
Response via : Initial Calibration

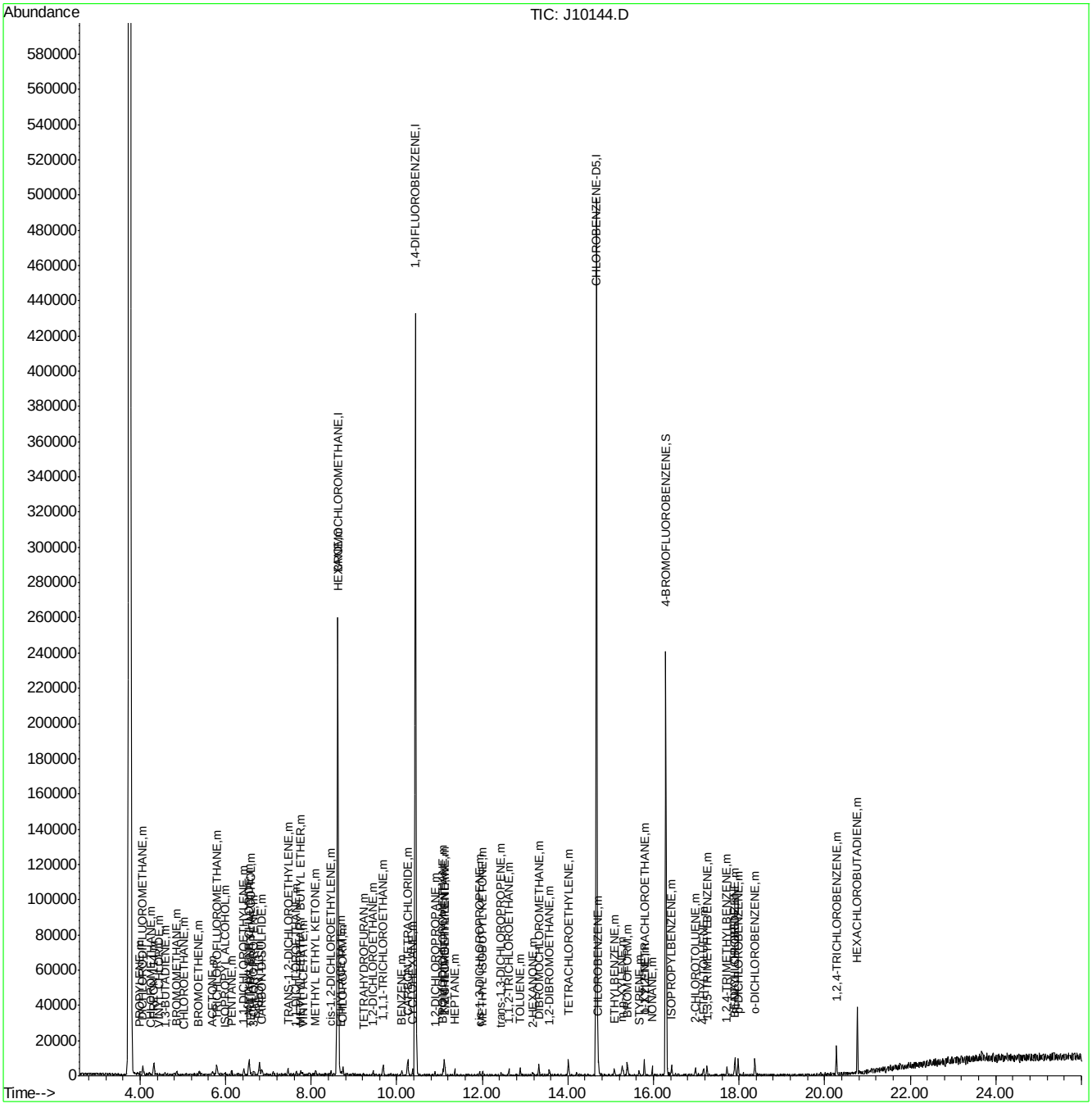
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) TOLUENE	12.88	92	1559	0.15 PPBV #	60
47) trans-1,3-DICHLOROPROPENE	12.44	75	778	0.12 PPBV #	74
48) 1,1,2-TRICHLOROETHANE	12.62	83	860	0.16 PPBV #	75
50) 2-HEXANONE	13.18	43	1848	0.29 PPBV #	42
51) TETRACHLOROETHYLENE	14.01	164	1797	0.19 PPBV	89
52) DIBROMOCHLOROMETHANE	13.32	129	3399	0.22 PPBV	95
53) 1,2-DIBROMOETHANE	13.56	107	2305	0.23 PPBV #	92
54) CHLOROBENZENE	14.71	112	3456	0.23 PPBV	96
55) ETHYLBENZENE	15.09	91	3643	0.17 PPBV #	87
56) m,p-XYLENE	15.27	106	2775m	0.34 PPBV	
57) o-XYLENE	15.78	106	1292	0.15 PPBV #	79
58) STYRENE	15.66	104	1726	0.15 PPBV	76
59) NONANE	15.97	43	883	0.10 PPBV #	65
60) BROMOFORM	15.38	173	3754	0.25 PPBV #	92
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	3419	0.26 PPBV #	86
63) ISOPROPYLBENZENE	16.42	105	4365	0.16 PPBV	87
64) 2-CHLOROTOLUENE	16.98	91	3537	0.19 PPBV	83
65) 4-ETHYLTOLUENE	17.16	105	3363	0.16 PPBV #	82
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	3859	0.18 PPBV #	94
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	3765	0.19 PPBV #	85
68) m-DICHLOROBENZENE	17.90	146	4423	0.29 PPBV	99
69) BENZYL CHLORIDE	17.88	91	3096	0.24 PPBV	72
70) p-DICHLOROBENZENE	17.98	146	4573	0.32 PPBV	92
71) o-DICHLOROBENZENE	18.37	146	4594	0.32 PPBV	97
72) HEXACHLOROBUTADIENE	20.77	225	6449	0.40 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	5063	0.60 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10144.D
Acq On : 27 Apr 2007 9:19 am
Operator : danat
Sample : IC525-0.2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 09:51:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:40:24 2007
Response via : Initial Calibration



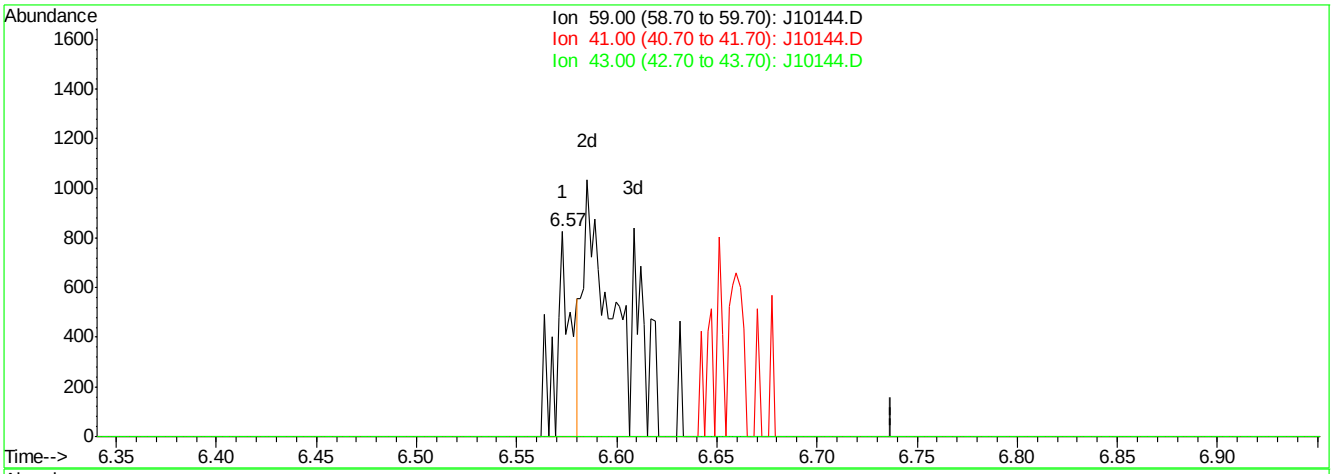
ACCUTEST Laboratories M64318

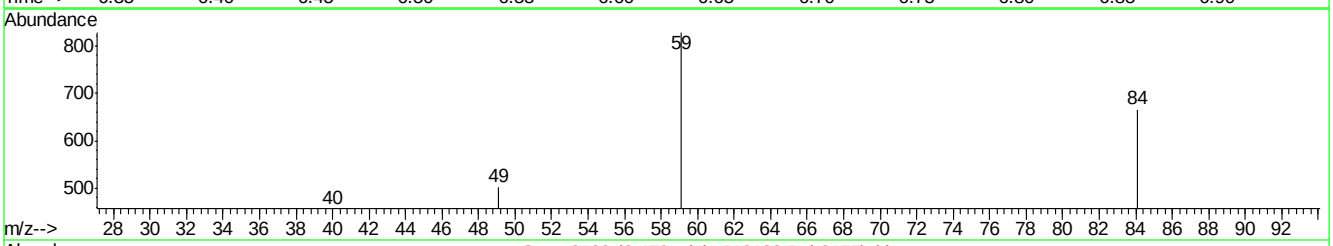
Quantitation Report (Qedit)

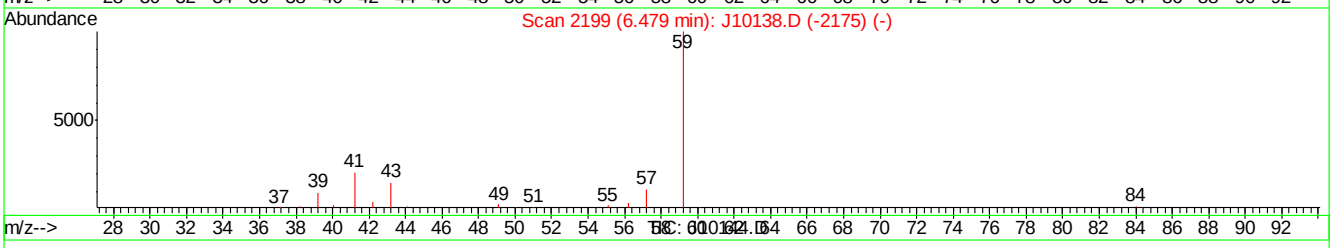
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.57min 0.04PPBV

response 381

Ion	Exp%	Act%
59.00	100	100
41.00	21.30	0.00#
43.00	16.70	0.00
0.00	0.00	0.00

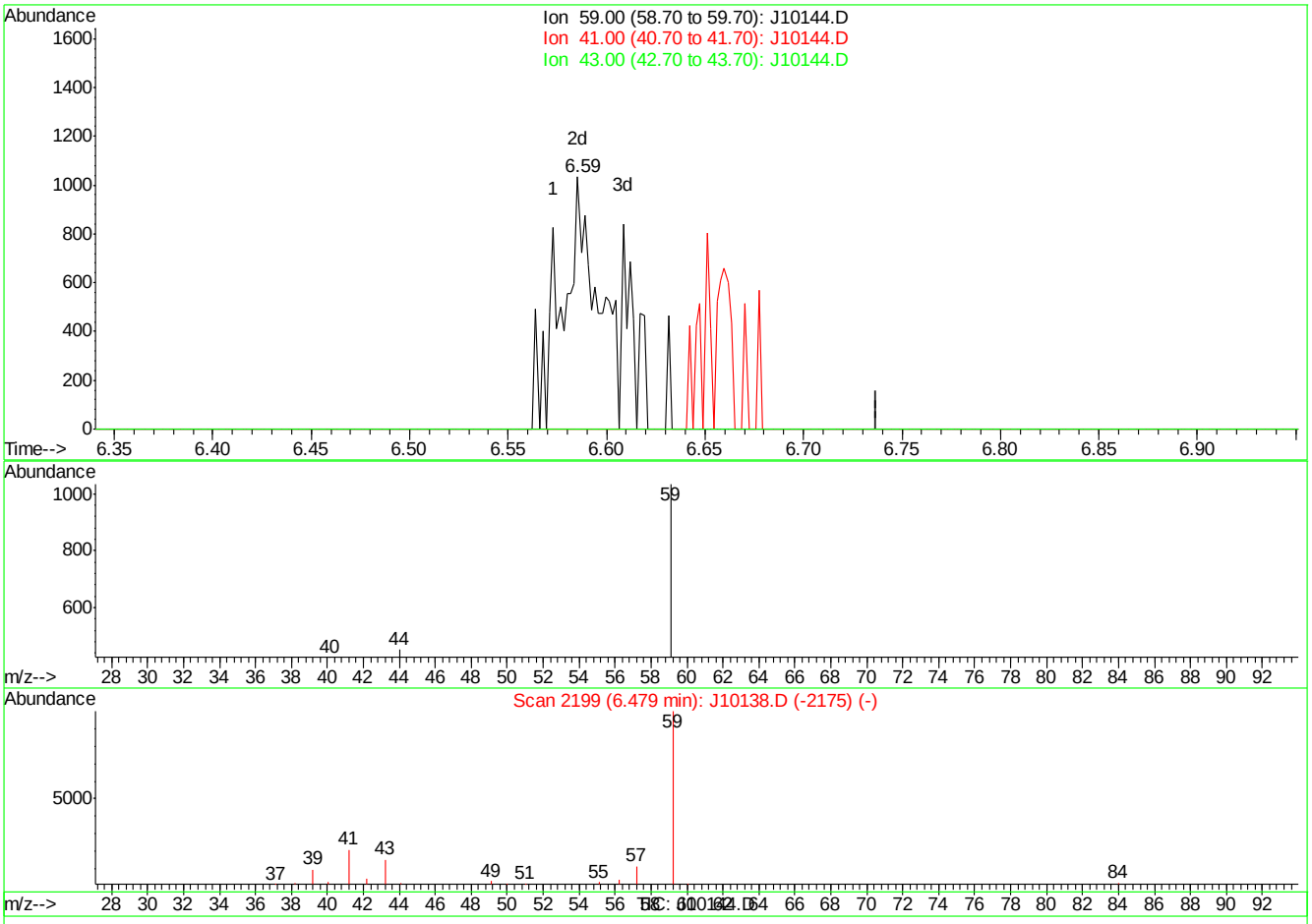
J10144.D J042607T.M Fri Apr 27 09:49:07 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.59min 0.13PPBV m

response 1245

Ion	Exp%	Act%
59.00	100	100
41.00	21.30	0.00#
43.00	16.70	0.00
0.00	0.00	0.00

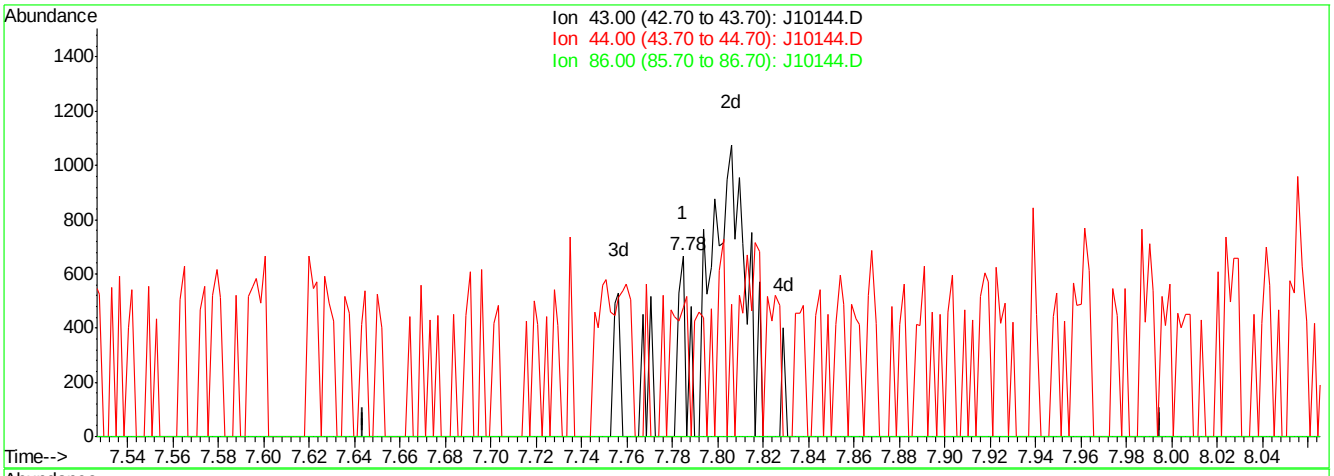
J10144.D J042607T.M Fri Apr 27 09:49:15 2007

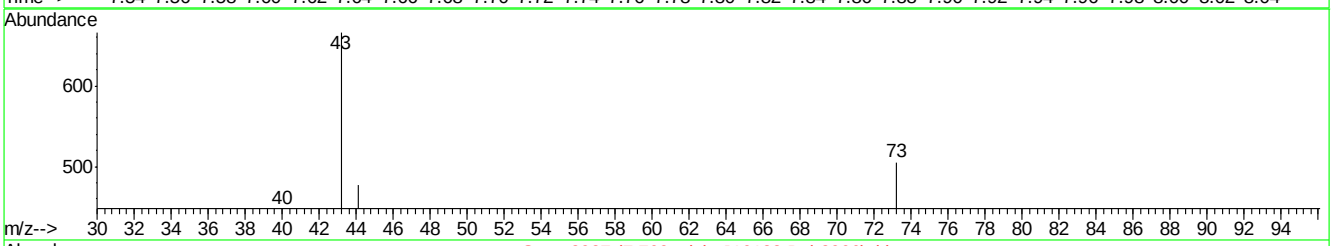
Quantitation Report (Qedit)

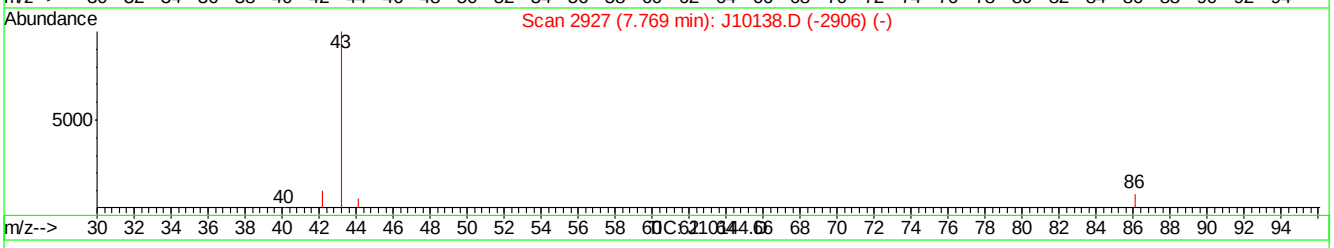
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(26) VINYL ACETATE (m)

7.78min 0.02PPBV

response 127

Ion	Exp%	Act%
43.00	100	100
44.00	8.30	47.24#
86.00	8.60	0.00
0.00	0.00	0.00

J10144.D J042607T.M Fri Apr 27 09:49:32 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration

(26) VINYL ACETATE (m)

7.81min 0.13PPBV m

response 1040

Ion	Exp%	Act%
43.00	100	100
44.00	8.30	5.77
86.00	8.60	0.00
0.00	0.00	0.00

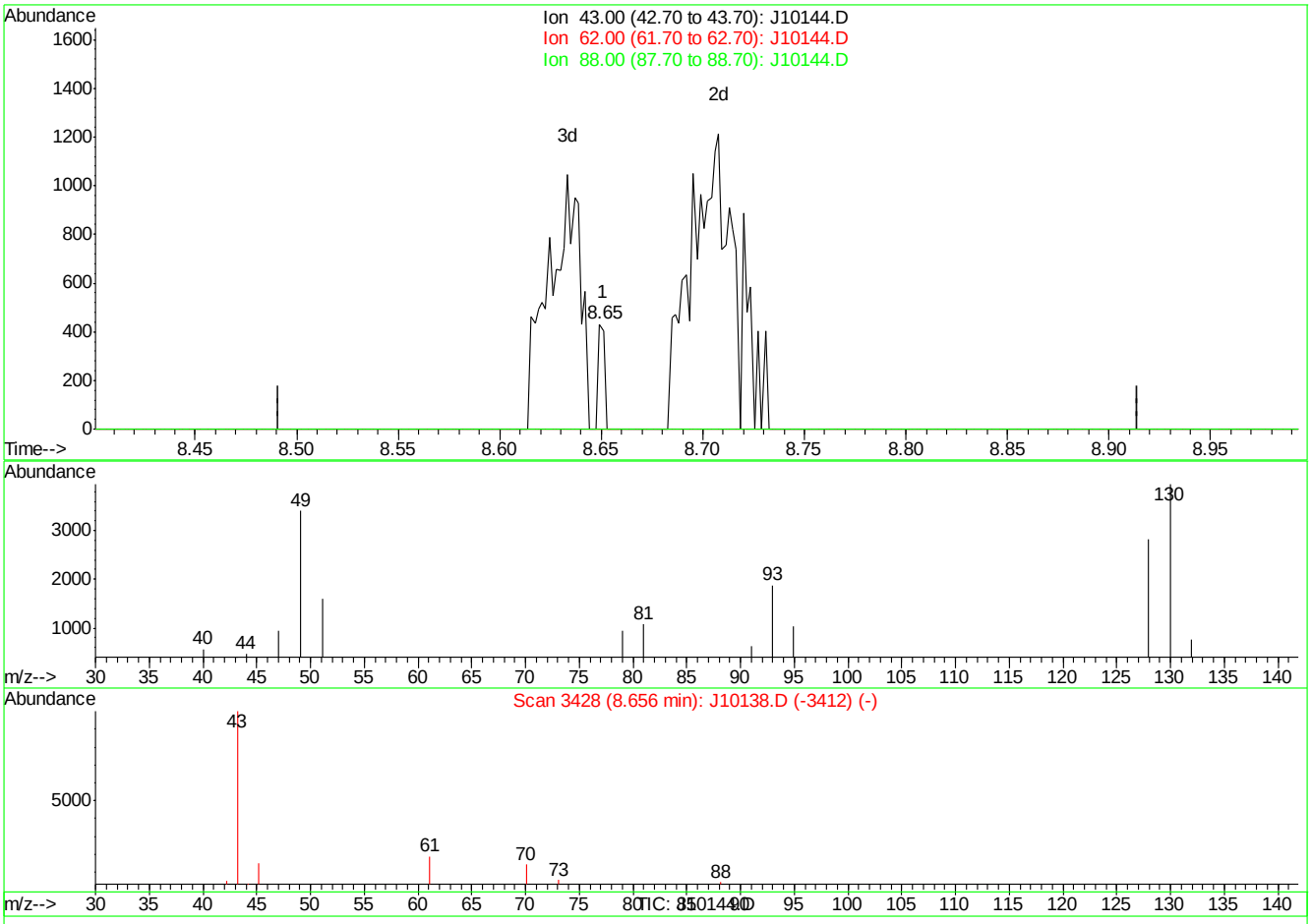
J10144.D J042607T.M Fri Apr 27 09:49:40 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration



(30) ETHYL ACETATE (m)

8.65min 0.01PPBV

response 88

Ion	Exp%	Act%
43.00	100	100
62.00	0.00	0.00
88.00	4.30	0.00
0.00	0.00	0.00

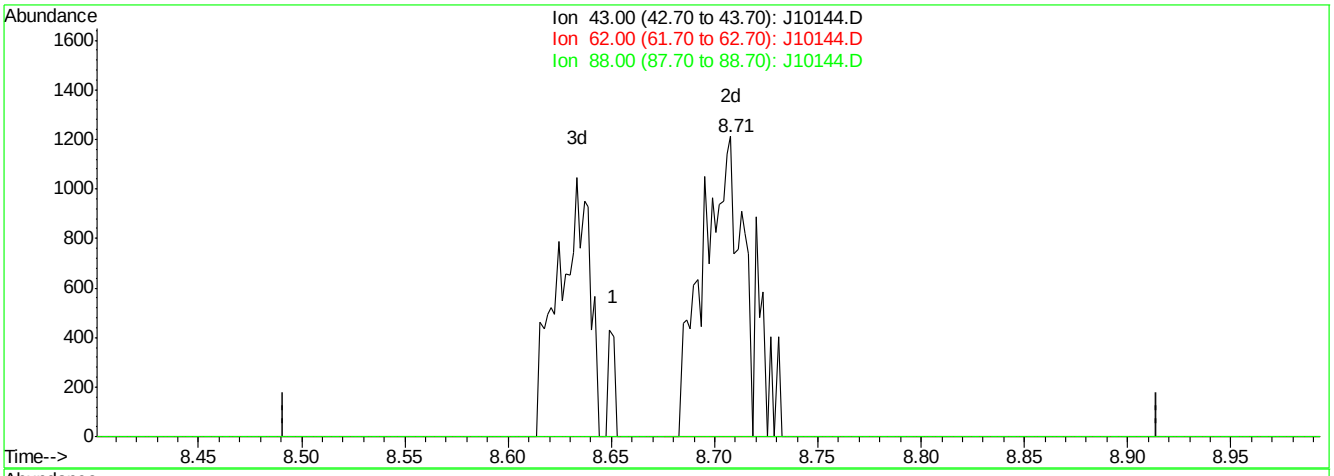
J10144.D J042607T.M Fri Apr 27 09:50:05 2007

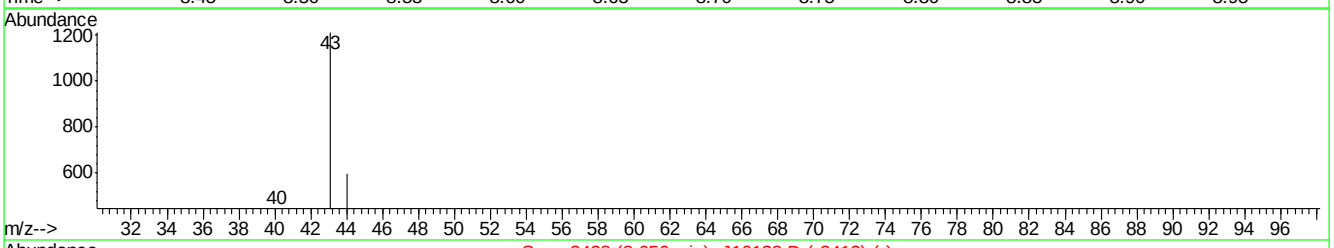
Quantitation Report (Qedit)

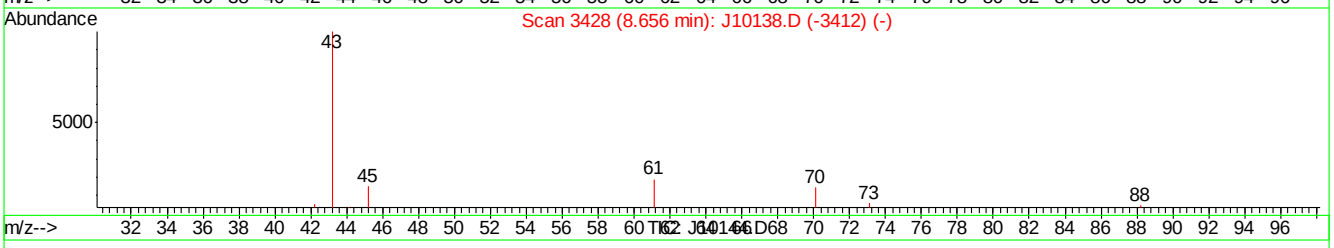
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(30) ETHYL ACETATE (m)

8.71min 0.20PPBV m

response 1573

Ion	Exp%	Act%
43.00	100	100
62.00	0.00	0.00
88.00	4.30	0.00
0.00	0.00	0.00

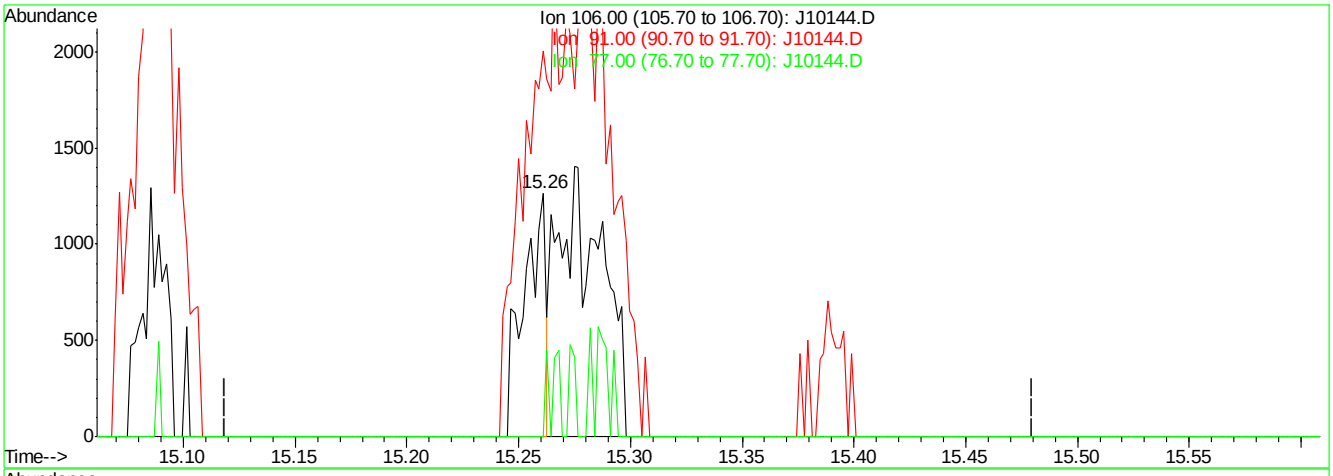
J10144.D J042607T.M Fri Apr 27 09:50:13 2007

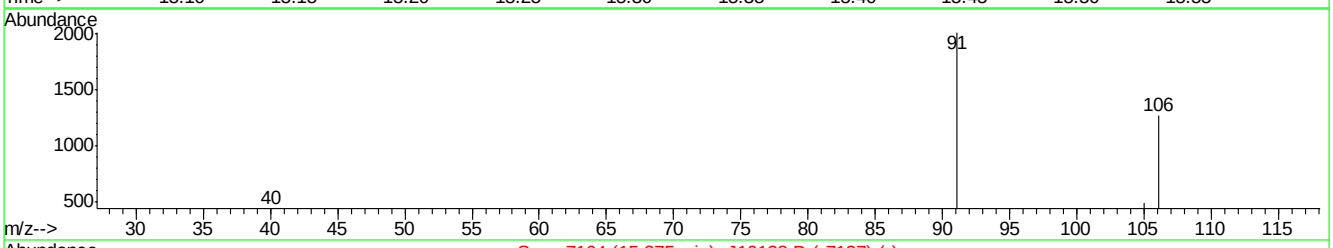
Quantitation Report (Qedit)

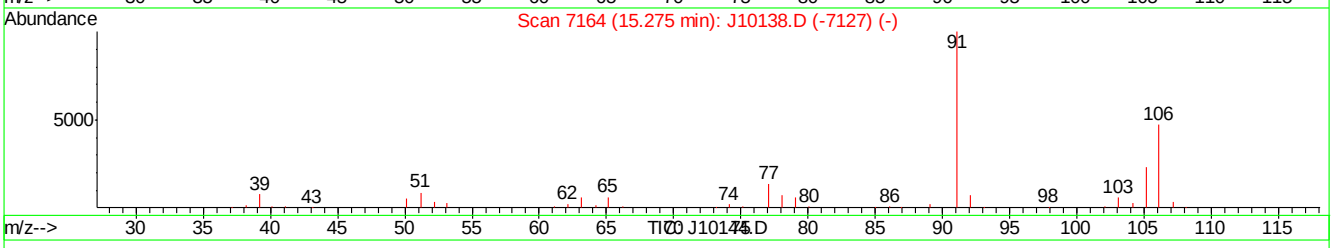
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 0.10PPBV

response 853

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	158.25#
77.00	28.30	0.00#
0.00	0.00	0.00

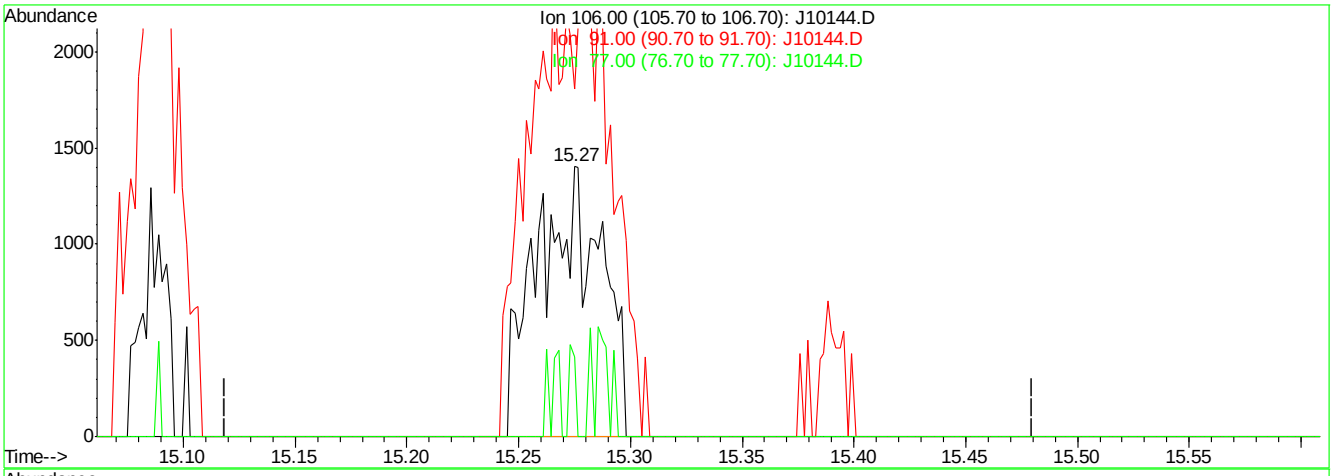
J10144.D J042607T.M Fri Apr 27 09:51:07 2007

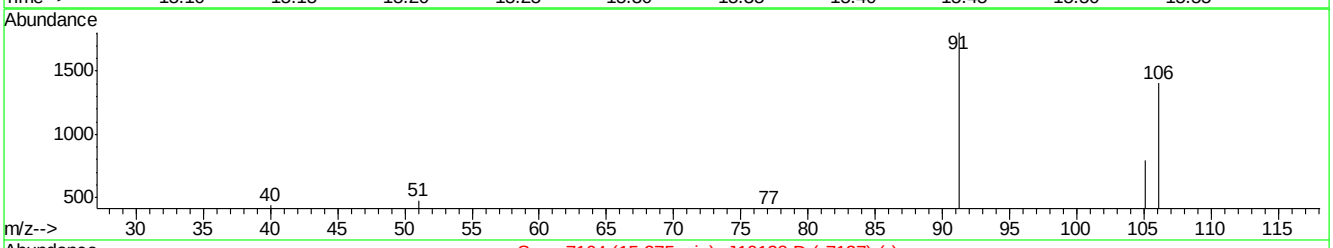
Quantitation Report (Qedit)

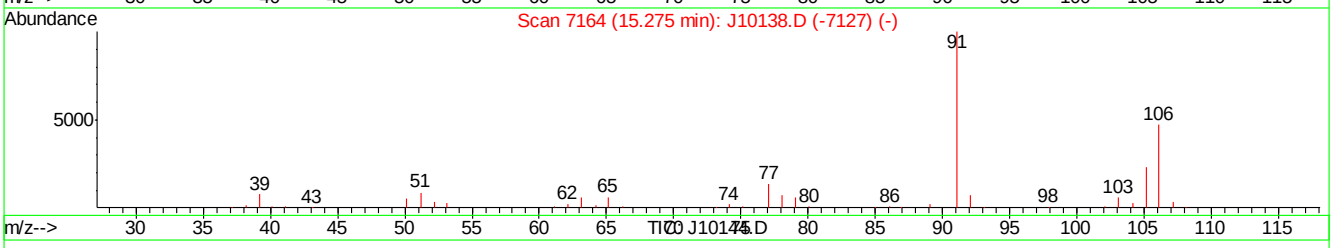
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.27min 0.34PPBV m

response 2775

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	128.54#
77.00	28.30	29.32
0.00	0.00	0.00

J10144.D J042607T.M Fri Apr 27 09:51:13 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : ICV525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	79693	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	333965	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	292288	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	97770	5.33	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 106.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	266299	8.42	PPBV	100
3) PROPYLENE	3.99	41	33871	8.88	PPBV	86
4) FREON 114	4.32	85	211321	8.33	PPBV	98
5) CHLOROMETHANE	4.23	50	45874	8.53	PPBV	94
6) VINYL CHLORIDE	4.44	62	59232	9.20	PPBV	99
7) 1,3-BUTADIENE	4.58	39	43657	9.06	PPBV	96
8) BROMOMETHANE	4.86	94	70391	9.08	PPBV	99
9) CHLOROETHANE	5.02	64	27402	8.80	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	275915	8.71	PPBV	100
11) ISOPROPYL ALCOHOL	5.91	45	66363	7.98	PPBV	94
12) ACETONE	5.64	43	68633	7.68	PPBV	97
13) PENTANE	6.13	42	45311	8.70	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.42	96	68337	9.76	PPBV	98
15) CARBON DISULFIDE	6.84	76	185076	8.65	PPBV	99
16) ETHANOL	5.18	45	10416	8.62	PPBV	95
17) BROMOETHENE	5.38	106	70620	8.94	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	59029	8.66	PPBV	100
19) 3-CHLOROPROPENE	6.66	39	48150	8.17	PPBV	96
20) FREON 113	6.79	151	145676	8.98	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	65668	9.15	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.51	59	102827	9.35	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.72	73	144353	9.39	PPBV	99
24) TETRAHYDROFURAN	9.17	42	37099	8.60	PPBV	99
25) HEXANE	8.63	57	69349	7.80	PPBV	97
26) VINYL ACETATE	7.79	43	78811	8.97	PPBV	99
27) 1,1-DICHLOROETHANE	7.65	63	108583	9.07	PPBV	99
28) METHYL ETHYL KETONE	8.06	43	72198	8.39	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	62857	9.01	PPBV	99
30) ETHYL ACETATE	8.68	43	80830	9.13	PPBV #	100
31) CHLOROFORM	8.74	83	163451	9.02	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	192708	8.83	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	247503	8.98	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	92071	8.77	PPBV	99
36) BENZENE	10.12	78	143794	8.94	PPBV	99
37) CYCLOHEXANE	10.37	84	72848	10.24	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	81820	9.14	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	46044	9.09	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	152037	9.26	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	234777	9.32	PPBV	99
42) 1,4-DIOXANE	11.16	88	25906	8.46	PPBV	90
43) HEPTANE	11.36	43	70474	10.24	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : ICV525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

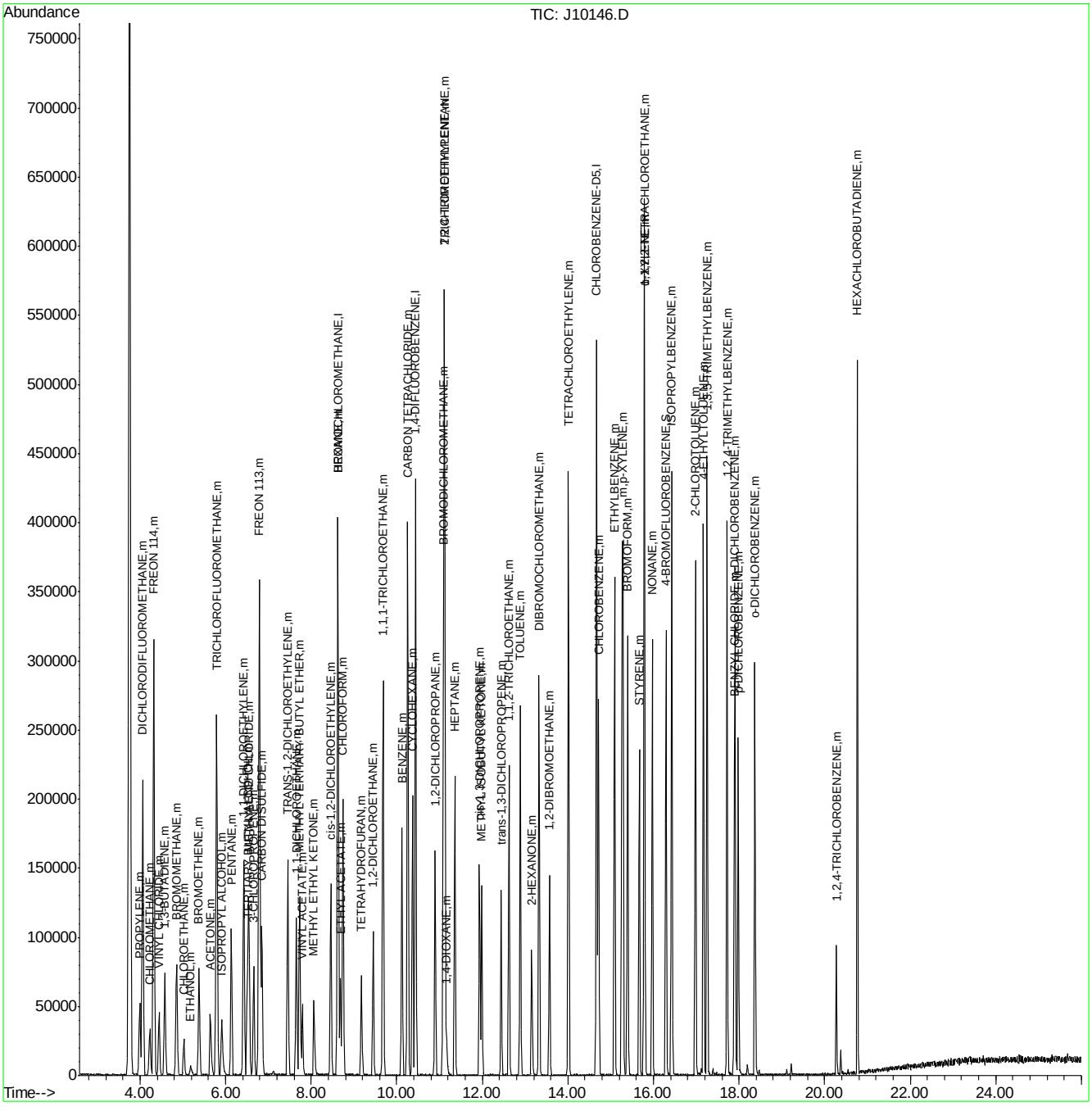
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	86927	9.15	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	74154	8.55	PPBV	98
46) TOLUENE	12.89	92	103186	9.52	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	67124	9.48	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	50928	9.00	PPBV	97
50) 2-HEXANONE	13.15	43	64782	7.70	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	93182	8.93	PPBV	100
52) DIBROMOCHLOROMETHANE	13.32	129	152892	8.87	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	92209	7.85	PPBV	100
54) CHLOROBENZENE	14.72	112	141008	8.14	PPBV	100
55) ETHYLBENZENE	15.09	91	243957	9.81	PPBV	99
56) m,p-XYLENE	15.28	106	186426	18.67	PPBV	95
57) o-XYLENE	15.78	106	97564	9.90	PPBV	99
58) STYRENE	15.66	104	111088	8.21	PPBV	98
59) NONANE	15.97	43	97150	9.95	PPBV	100
60) BROMOFORM	15.40	173	154730	8.66	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	130473	8.05	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	293832	9.65	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	193587	9.07	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	237322	9.53	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	233993	9.27	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	203695	8.66	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	115031	6.11	PPBV	99
69) BENZYL CHLORIDE	17.88	91	93290	5.85	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	96408	5.31	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	112679	8.59	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	83127	4.34	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	24987	3.62	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : ICV525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 14:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10166.D
Acq On : 30 Apr 2007 10:12 am
Operator : danat
Sample : CC525-10 (M050)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 14:42:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.66	128	81493	10.00	PPBV	0.06
35) 1,4-DIFLUOROBENZENE	10.48	114	388824	10.00	PPBV	0.06
49) CHLOROBENZENE-D5	14.70	117	350201	10.00	PPBV	0.04
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.33	95	108471	4.93	PPBV	0.04
Spiked Amount 5.000	Range 51 - 142		Recovery = 98.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	275763	8.53	PPBV	99
3) PROPYLENE	4.00	41	36310	9.31	PPBV	92
4) FREON 114	4.34	85	229173	8.83	PPBV	99
5) CHLOROMETHANE	4.25	50	50020	9.12	PPBV	96
6) VINYL CHLORIDE	4.46	62	62674	9.52	PPBV	98
7) 1,3-BUTADIENE	4.60	39	48859	9.89	PPBV	98
8) BROMOMETHANE	4.88	94	77482	9.78	PPBV	99
9) CHLOROETHANE	5.05	64	29693	9.32	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.81	101	297739	9.19	PPBV	99
12) ACETONE	5.72	43	73556	8.05	PPBV	97
13) PENTANE	6.16	42	56577	10.62	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.45	96	73814	10.31	PPBV	99
15) CARBON DISULFIDE	6.87	76	208881	9.54	PPBV	99
16) ETHANOL	5.37	45	474	0.85	PPBV #	94
17) BROMOETHENE	5.40	106	75774	9.37	PPBV	99
18) METHYLENE CHLORIDE	6.57	84	63447	9.14	PPBV	99
19) 3-CHLOROPROPENE	6.69	39	54510	8.99	PPBV	89
20) FREON 113	6.82	151	159864	9.64	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.48	96	66637	9.08	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.45	59	5641	0.50	PPBV #	58
23) METHYL TERTIARY BUTYL ETHE	7.78	73	152821	9.72	PPBV	99
24) TETRAHYDROFURAN	9.24	42	39339	8.89	PPBV	98
25) HEXANE	8.66	57	76500	8.41	PPBV	93
26) VINYL ACETATE	7.85	43	88850	9.88	PPBV	99
27) 1,1-DICHLOROETHANE	7.69	63	115568	9.44	PPBV	100
28) METHYL ETHYL KETONE	8.17	43	75477	8.58	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.49	96	62560	8.76	PPBV	95
30) ETHYL ACETATE	8.76	43	88078	9.73	PPBV #	95
31) CHLOROFORM	8.79	83	174692	9.42	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.71	97	207527	9.30	PPBV	98
33) CARBON TETRACHLORIDE	10.28	117	273870	9.72	PPBV	100
34) 1,2-DICHLOROETHANE	9.49	62	99612	9.28	PPBV	99
36) BENZENE	10.15	78	158128	8.45	PPBV	100
37) CYCLOHEXANE	10.39	84	83753	10.11	PPBV	100
38) TRICHLOROETHYLENE	11.15	95	94223	9.04	PPBV	99
39) 1,2-DICHLOROPROPANE	10.94	63	52205	8.86	PPBV	98
40) BROMODICHLOROMETHANE	11.13	83	173835	9.09	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.15	57	263795	8.99	PPBV	99
42) 1,4-DIOXANE	11.26	88	25068	7.03	PPBV	87
43) HEPTANE	11.38	43	83940	10.48	PPBV	99
44) METHYL ISOBUTYL KETONE	12.08	43	92920	8.40	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10166.D
Acq On : 30 Apr 2007 10:12 am
Operator : danat
Sample : CC525-10 (M050)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 14:42:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

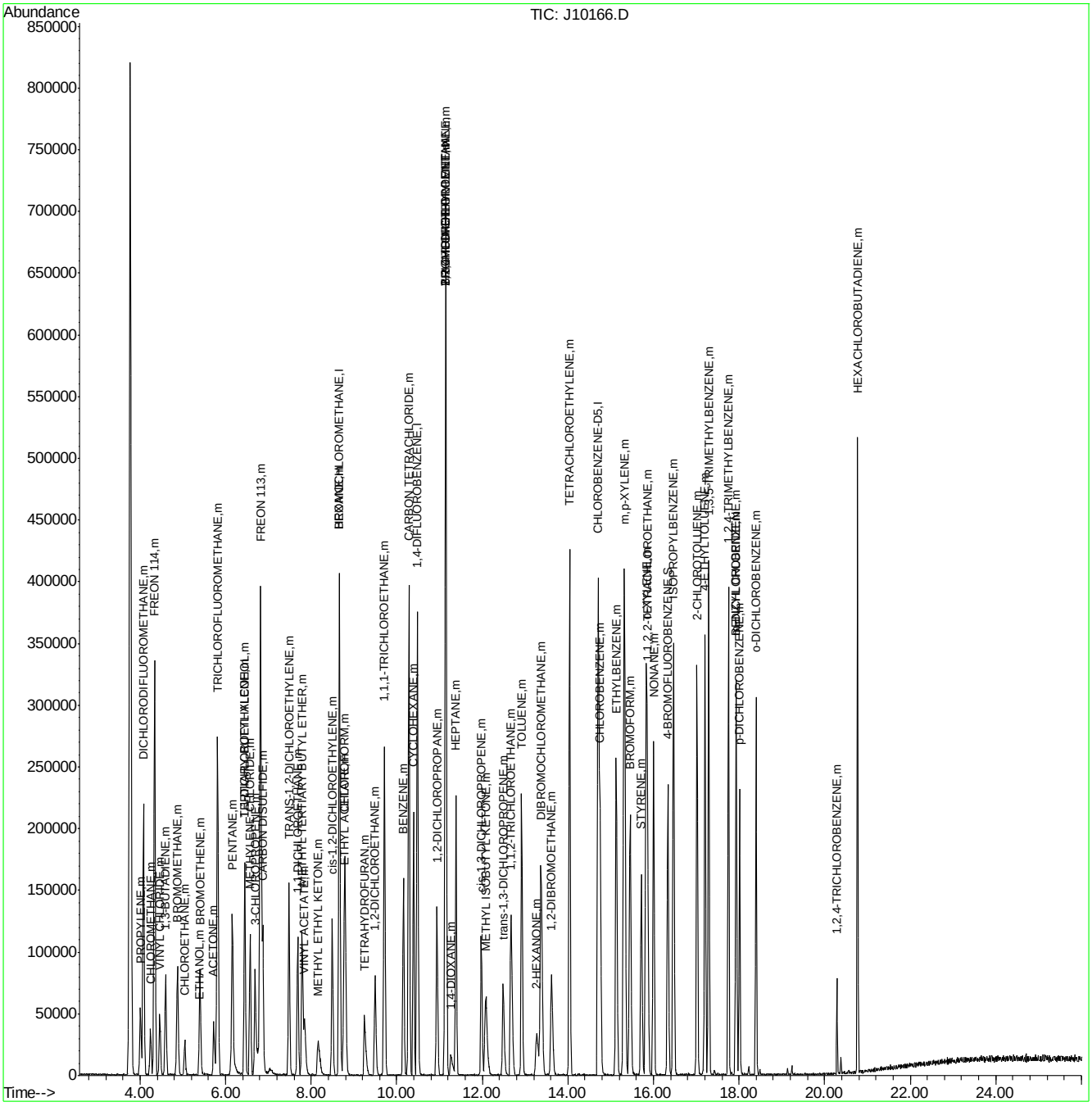
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.98	75	80263	7.95	PPBV	100
46) TOLUENE	12.92	92	120419	9.54	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.49	75	70470	8.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.67	83	60168	9.14	PPBV	100
50) 2-HEXANONE	13.27	43	66003m	6.54	PPBV	
51) TETRACHLOROETHYLENE	14.04	164	110180	8.82	PPBV	97
52) DIBROMOCHLOROMETHANE	13.37	129	177897	8.61	PPBV	100
53) 1,2-DIBROMOETHANE	13.62	107	104060	7.39	PPBV	100
54) CHLOROBENZENE	14.75	112	164992	7.95	PPBV	98
55) ETHYLBENZENE	15.13	91	280790	9.42	PPBV	100
56) m,p-XYLENE	15.32	106	224206	18.74	PPBV	87
57) o-XYLENE	15.82	106	115662	9.79	PPBV	97
58) STYRENE	15.71	104	124673	7.69	PPBV	99
59) NONANE	16.00	43	119422	10.19	PPBV	99
60) BROMOFORM	15.46	173	174231	8.14	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.86	83	153412m	7.90	PPBV	
63) ISOPROPYLBENZENE	16.47	105	344777	9.45	PPBV	100
64) 2-CHLOROTOLUENE	17.01	91	226241	8.85	PPBV	100
65) 4-ETHYLTOLUENE	17.20	105	286747	9.61	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.29	105	276081	9.13	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.75	105	233435	8.28	PPBV	99
68) m-DICHLOROBENZENE	17.94	146	127943	5.67	PPBV	99
69) BENZYL CHLORIDE	17.92	91	90534	4.74	PPBV	100
70) p-DICHLOROBENZENE	18.01	146	103593	4.76	PPBV	96
71) o-DICHLOROBENZENE	18.39	146	125278	8.01	PPBV	99
72) HEXACHLOROBUTADIENE	20.77	225	84791	3.69	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.29	180	22139	2.08	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10166.D
Acq On : 30 Apr 2007 10:12 am
Operator : danat
Sample : CC525-10 (M050)
Misc : MS13445, MSJ526,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 14:42:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

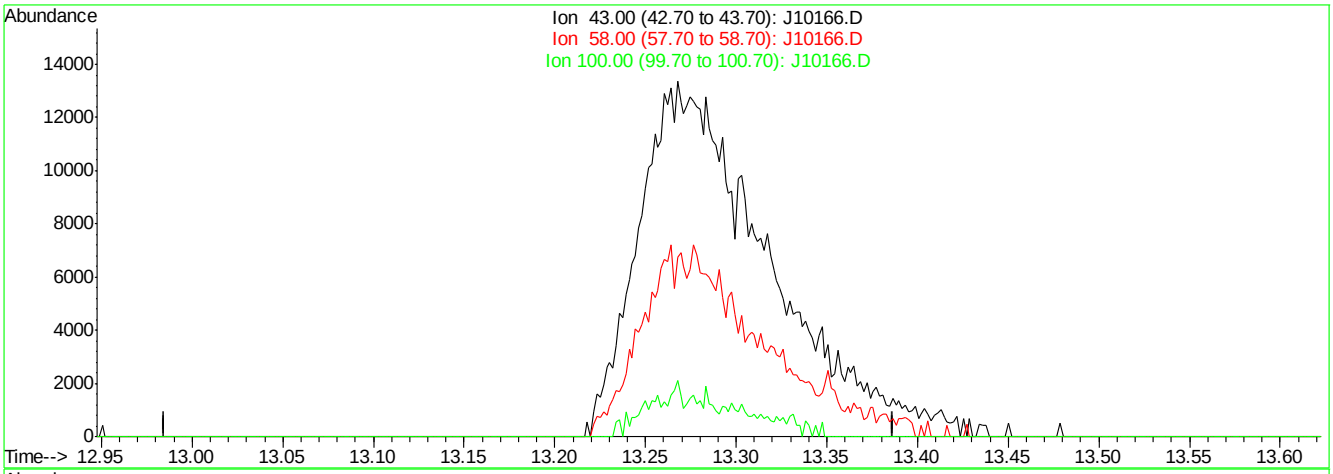


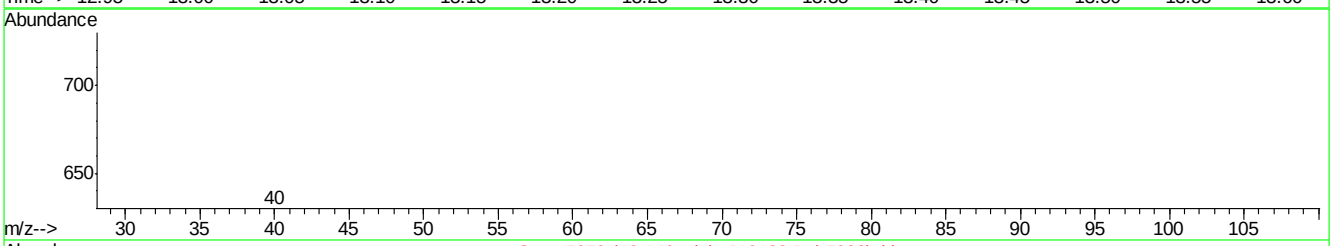
Quantitation Report (Qedit)

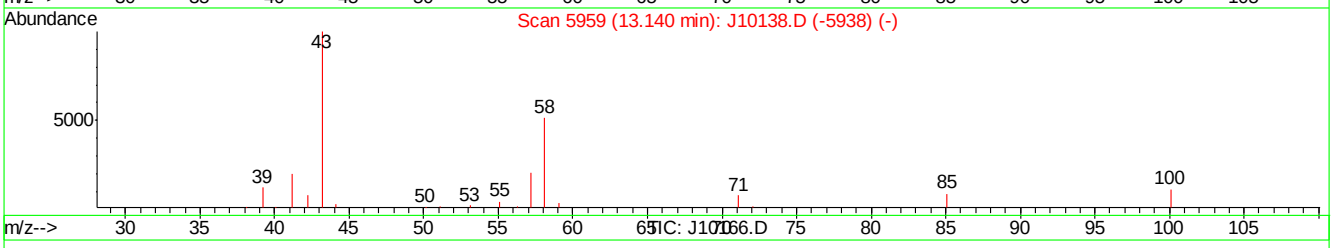
Data File : C:\MSDChem\1\data\J10166.D Vial: 2
Acq On : 30 Apr 2007 10:12 am Operator: danat
Sample : CC525-10 (M050) Inst : MSJ
Misc : MS13445, MSJ526,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 30 10:46:28 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration







(50) 2-HEXANONE (m)

13.14min 0.00PPBV

response 0

Ion	Exp%	Act%
43.00	100	0.00
58.00	51.80	0.00#
100.00	11.10	0.00
0.00	0.00	0.00

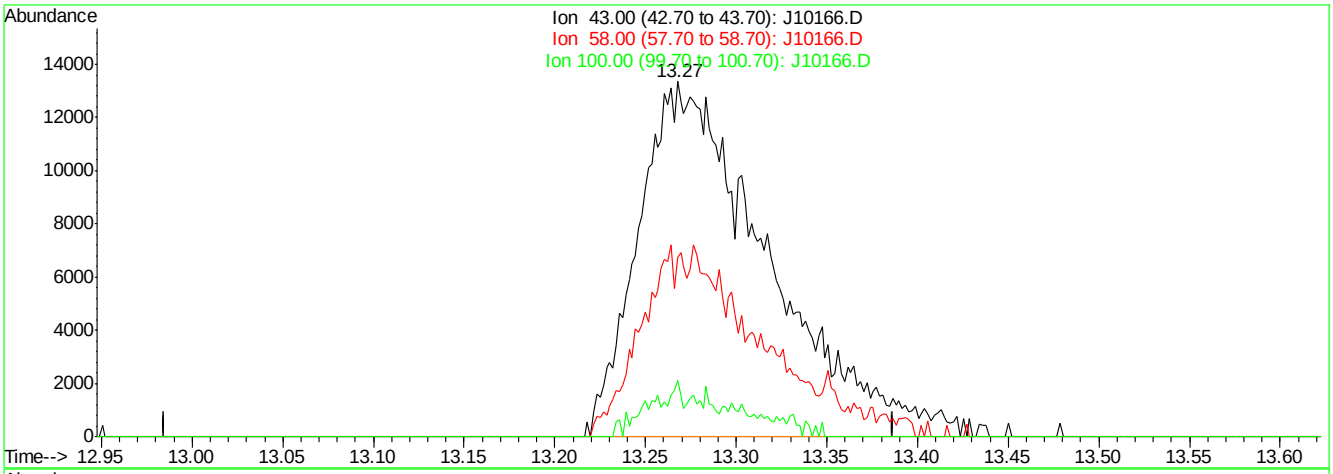
J10166.D J042607T.M Mon Apr 30 14:42:17 2007

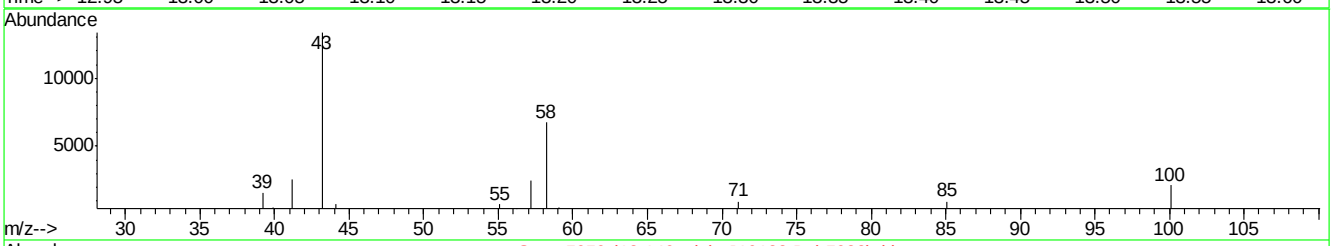
Quantitation Report (Qedit)

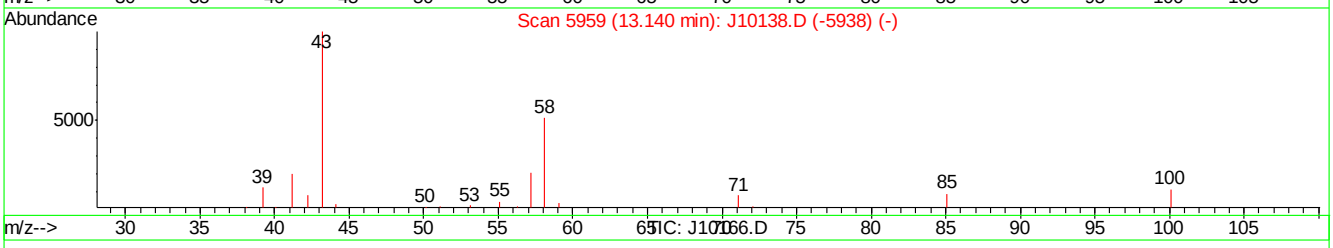
Data File : C:\MSDChem\1\data\J10166.D Vial: 2
Acq On : 30 Apr 2007 10:12 am Operator: danat
Sample : CC525-10 (M050) Inst : MSJ
Misc : MS13445, MSJ526,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 30 10:46:28 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration







(50) 2-HEXANONE (m)

13.27min 6.54PPBV m

response 66003

Ion	Exp%	Act%
43.00	100	100
58.00	51.80	0.00#
100.00	11.10	0.00
0.00	0.00	0.00

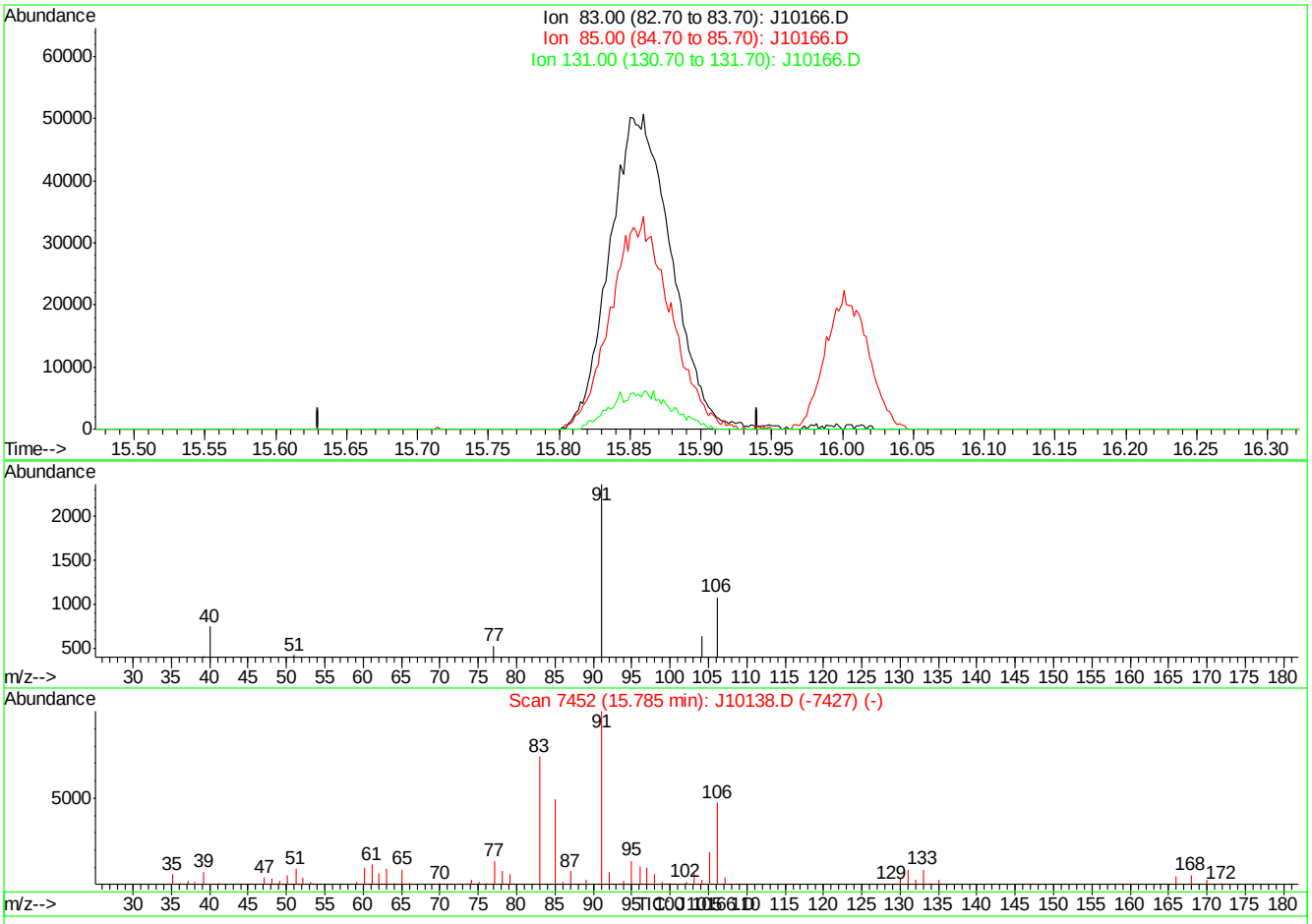
J10166.D J042607T.M Mon Apr 30 14:42:37 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10166.D Vial: 2
Acq On : 30 Apr 2007 10:12 am Operator: danat
Sample : CC525-10 (M050) Inst : MSJ
Misc : MS13445, MSJ526,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 30 10:46:28 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration



(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.79min 0.00PPBV

response 0

Ion	Exp%	Act%
83.00	100	0.00
85.00	64.90	0.00#
131.00	12.00	0.00
0.00	0.00	0.00

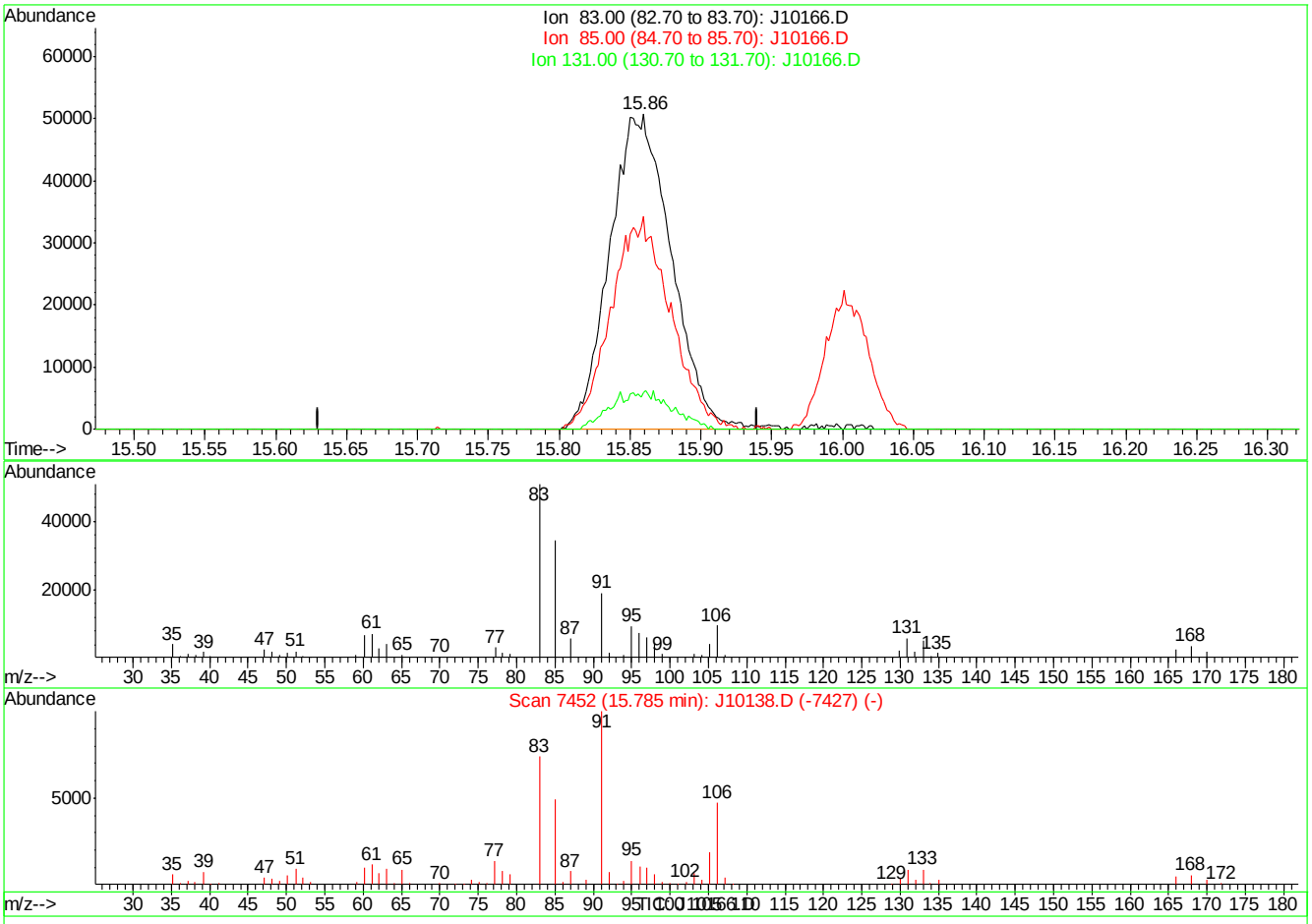
J10166.D J042607T.M Mon Apr 30 14:42:53 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10166.D Vial: 2
Acq On : 30 Apr 2007 10:12 am Operator: danat
Sample : CC525-10 (M050) Inst : MSJ
Misc : MS13445, MSJ526,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 30 10:46:28 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration



(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.86min 7.90PPBV m

response 153412

Ion	Exp%	Act%
83.00	100	100
85.00	64.90	0.00#
131.00	12.00	0.00
0.00	0.00	0.00

J10166.D J042607T.M Mon Apr 30 14:43:02 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3287.D
Acq On : 26 Apr 2007 4:15 pm
Operator : PhilipB
Sample : IC177-2 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:46:52 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:57:24 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	107743	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.477	114	556736	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	479078	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.341	95	196346	4.70	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 94.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.044	85	161644	3.33	PPBV	98
3) PROPYLENE	3.973	41	42484	3.94	PPBV	92
4) FREON 114	4.301	85	160706	3.41	PPBV	87
5) CHLOROMETHANE	4.209	50	52305	4.01	PPBV	97
6) VINYL CHLORIDE	4.429	62	56735	3.74	PPBV	99
7) 1,3-BUTADIENE	4.566	39	47018	3.61	PPBV	88
8) BROMOMETHANE	4.843	94	49943	3.07	PPBV	100
9) CHLOROETHANE	5.018	64	23417	3.02	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.801	101	162496	2.91	PPBV	98
11) ISOPROPYL ALCOHOL	5.836	45	88497	3.33	PPBV	94
12) ACETONE	5.615	43	81642	3.52	PPBV	99
13) PENTANE	6.156	42	52966	3.26	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.445	96	44872	2.76	PPBV #	75
15) CARBON DISULFIDE	6.871	76	136753	2.89	PPBV	94
16) ETHANOL	5.107	45	16296	3.55	PPBV	97
17) BROMOETHENE	5.378	106	44090	2.77	PPBV	97
18) METHYLENE CHLORIDE	6.553	84	45802	3.17	PPBV	82
19) 3-CHLOROPROPENE	6.674	39	42487	2.96	PPBV	91
20) FREON 113	6.812	151	69307	2.57	PPBV #	74
21) TRANS-1,2-DICHLOROETHY...	7.476	96	32938	2.31	PPBV #	56
22) TERTIARY BUTYL ALCOHOL	6.442	59	103348	3.54	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.725	73	103302	2.83	PPBV	84
24) TETRAHYDROFURAN	9.153	42	49391	3.24	PPBV	80
25) HEXANE	8.678	57	68391	3.08	PPBV	91
26) VINYL ACETATE	7.799	43	109377	3.22	PPBV	91
27) 1,1-DICHLOROETHANE	7.673	63	82715	2.73	PPBV	98
28) METHYL ETHYL KETONE	8.044	43	95675	3.04	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.483	96	30064	2.55	PPBV #	70
30) ETHYL ACETATE	8.676	43	157500	3.21	PPBV #	97
31) CHLOROFORM	8.765	83	91983	2.67	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.725	97	87518	2.63	PPBV	93
33) CARBON TETRACHLORIDE	10.305	117	90125	2.49	PPBV	100
34) 1,2-DICHLOROETHANE	9.473	62	66333	2.91	PPBV	98
36) BENZENE	10.161	78	103568	2.85	PPBV	95
37) CYCLOHEXANE	10.428	84	40881	2.66	PPBV #	78
38) TRICHLOROETHYLENE	11.162	95	46592	2.47	PPBV #	84
39) 1,2-DICHLOROPROPANE	10.941	63	43647	3.08	PPBV	92
40) BROMODICHLOROMETHANE	11.120	83	85916	2.67	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	201608	3.01	PPBV	96
42) 1,4-DIOXANE	11.150	88	15830	2.66	PPBV #	61
43) HEPTANE	11.423	43	82290	3.10	PPBV	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3287.D
Acq On : 26 Apr 2007 4:15 pm
Operator : PhilipB
Sample : IC177-2 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:46:52 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:57:24 2007
Response via : Initial Calibration

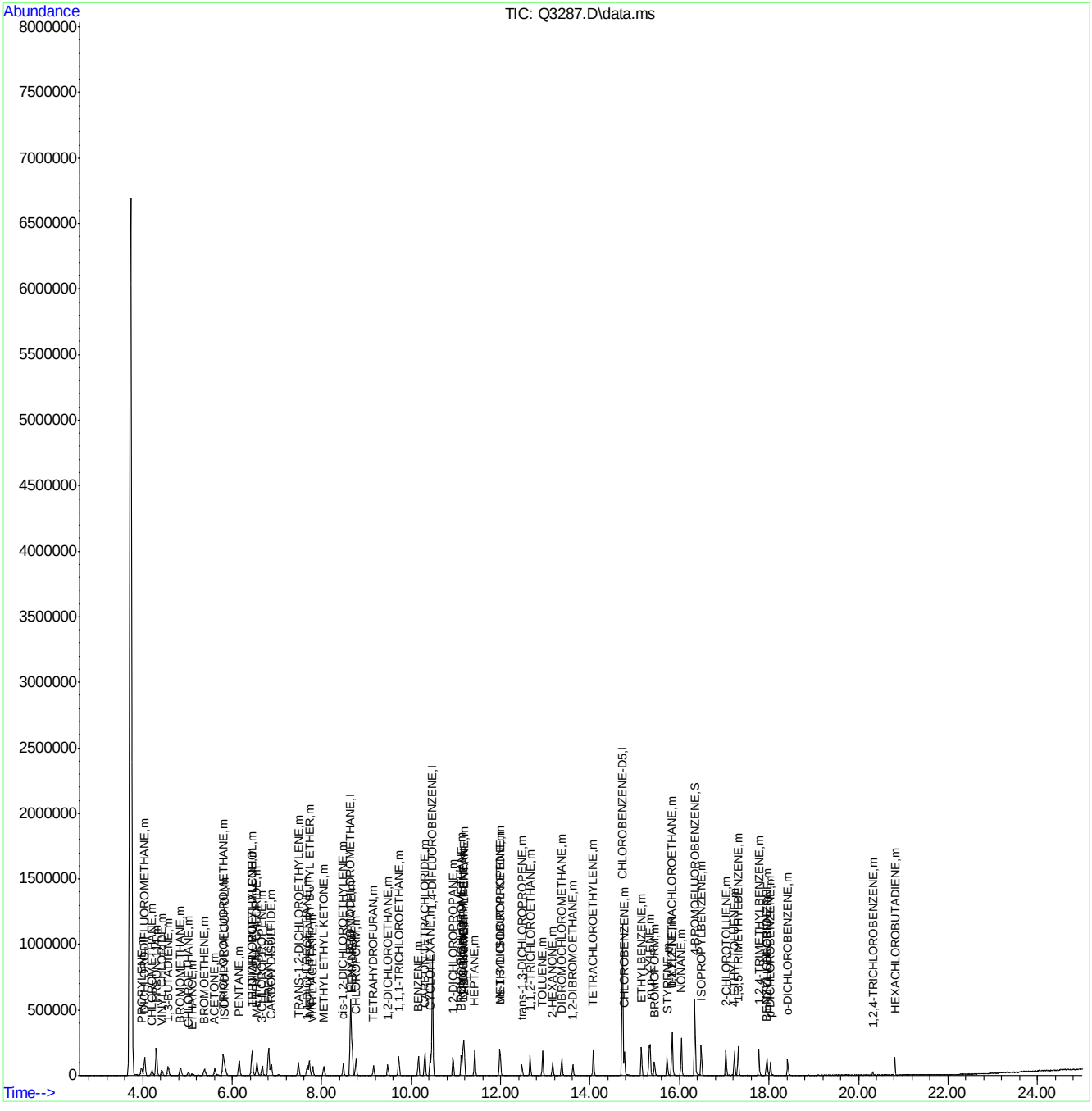
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	104922	3.12	PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.979	75	54187	2.58	PPBV #	77
46) TOLUENE	12.937	92	61146	2.62	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.474	75	37987	2.52	PPBV	86
48) 1,1,2-TRICHLOROETHANE	12.659	83	36956	2.79	PPBV	91
50) 2-HEXANONE	13.163	43	77367	3.08	PPBV	90
51) TETRACHLOROETHYLENE	14.071	164	29264	1.96	PPBV #	82
52) DIBROMOCHLOROMETHANE	13.367	129	57701	2.28	PPBV	100
53) 1,2-DIBROMOETHANE	13.615	107	48043	2.55	PPBV	99
54) CHLOROBENZENE	14.767	112	67277	2.61	PPBV	85
55) ETHYLBENZENE	15.147	91	140015	2.84	PPBV	95
56) m,p-XYLENE	15.340	106	90866m	5.19	PPBV	
57) o-XYLENE	15.841	106	45773	2.56	PPBV #	81
58) STYRENE	15.722	104	53378	2.40	PPBV	92
59) NONANE	16.043	43	120025	3.48	PPBV	88
60) BROMOFORM	15.438	173	37857	1.90	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	83030	2.73	PPBV	98
63) ISOPROPYLBENZENE	16.487	105	138179	2.60	PPBV	92
64) 2-CHLOROTOLUENE	17.033	91	102270	2.70	PPBV	88
65) 4-ETHYLTOLUENE	17.225	105	100827	2.51	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	106808	2.52	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	93623	2.40	PPBV	93
68) m-DICHLOROBENZENE	17.956	146	35416	2.11	PPBV	93
69) BENZYL CHLORIDE	17.933	91	38887	2.01	PPBV	92
70) p-DICHLOROBENZENE	18.034	146	29050	1.96	PPBV	85
71) o-DICHLOROBENZENE	18.421	146	34285	2.09	PPBV	92
72) HEXACHLOROBUTADIENE	20.812	225	12293	2.17	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.320	180	5435	2.26	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3287.D
Acq On : 26 Apr 2007 4:15 pm
Operator : PhilipB
Sample : IC177-2 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:46:52 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:57:24 2007
Response via : Initial Calibration

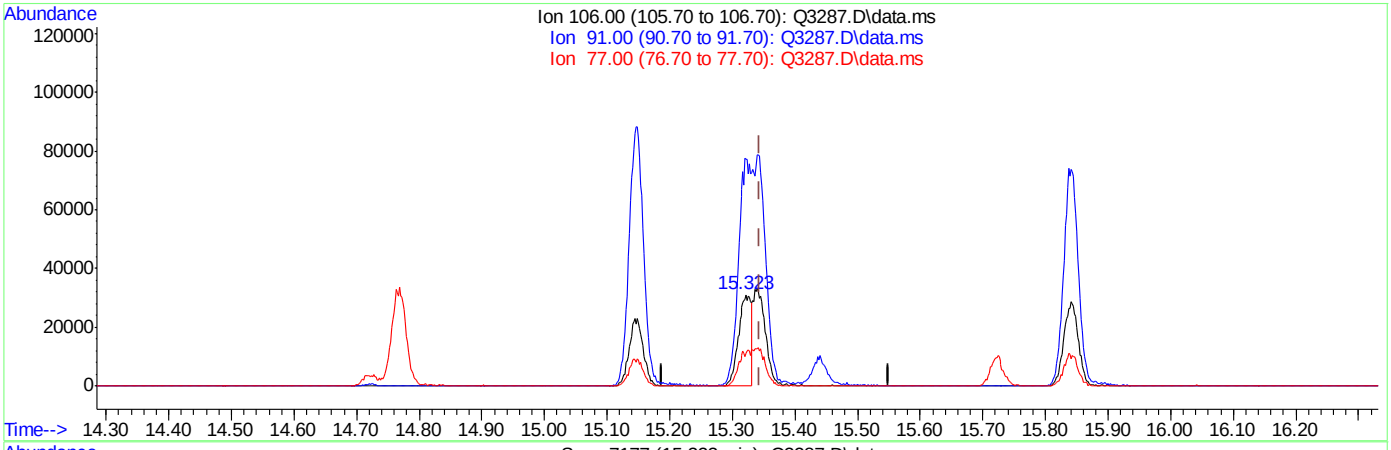


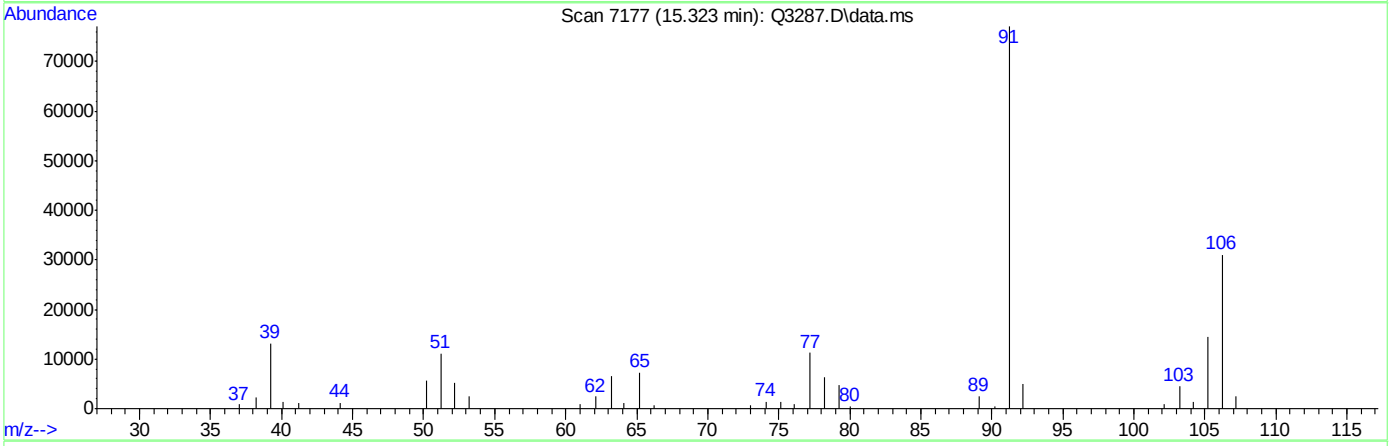
ACCUTEST Laboratories
M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3287.D
Acq On : 26 Apr 2007 4:15 pm
Operator : PhilipB
Sample : IC77-2 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:45:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:57:24 2007
Response via : Initial Calibration





TIC: Q3287.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 2.59PPBV

response 45374

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	248.06
77.00	31.20	36.36
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3287.D
Acq On    : 26 Apr 2007   4:15 pm
Operator  : PhilipB
Sample    : IC77-2 (M103)
Misc      : MS13369,MSQ177,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Apr 26 16:45:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:57:24 2007
Response via : Initial Calibration
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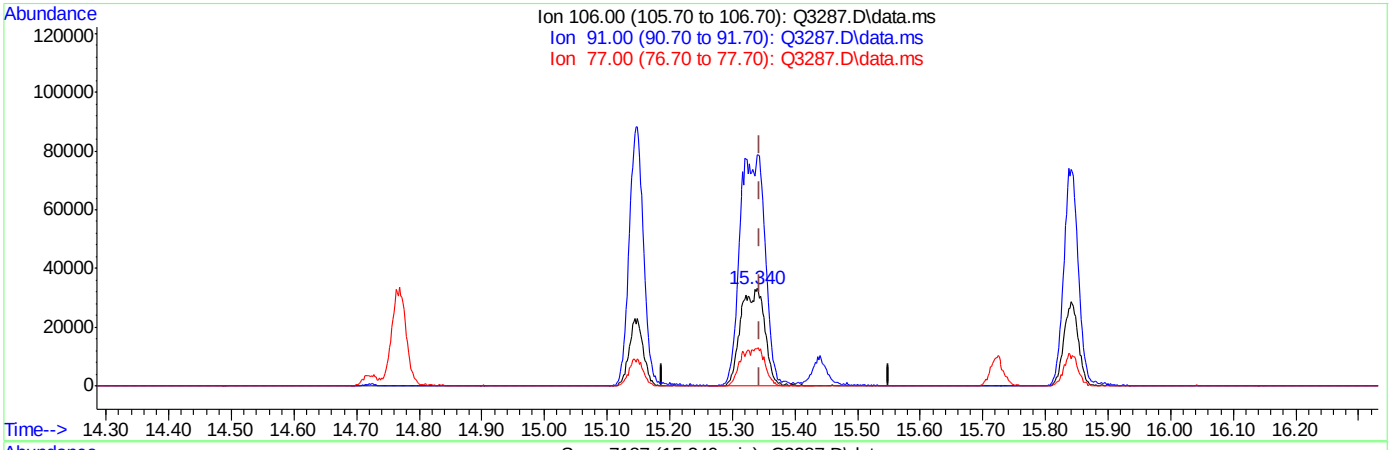
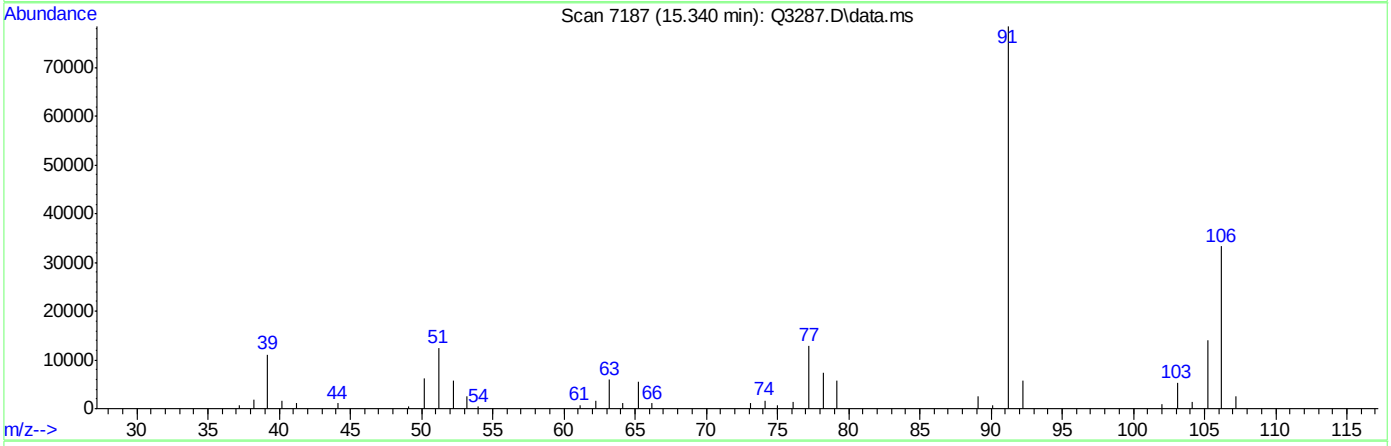




TIC: Q3287.D\data.ms

(56) m,p-XYLENE (m)

15.340min (-0.003) 5.19PPBV m

response 90866

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	235.90
77.00	31.20	38.68#
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC177-.5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 17:28:08 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.640	128	102404	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	539625	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	456578	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	180044	4.58	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	70778	1.35	PPBV	96
3) PROPYLENE	3.973	41	18425	1.51	PPBV	93
4) FREON 114	4.301	85	67022	1.31	PPBV	87
5) CHLOROMETHANE	4.204	50	22292	1.50	PPBV	93
6) VINYL CHLORIDE	4.427	62	23657	1.40	PPBV	96
7) 1,3-BUTADIENE	4.566	39	18228	1.27	PPBV	85
8) BROMOMETHANE	4.841	94	19014	1.11	PPBV	97
9) CHLOROETHANE	5.016	64	7116	0.88	PPBV #	76
10) TRICHLOROFLUOROMETHANE	5.799	101	60875	1.05	PPBV	100
11) ISOPROPYL ALCOHOL	5.840	45	28199	0.98	PPBV	97
12) ACETONE	5.611	43	25108	0.99	PPBV	94
13) PENTANE	6.152	42	19703	1.13	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.438	96	14091	0.85	PPBV #	67
15) CARBON DISULFIDE	6.864	76	45230	0.92	PPBV	75
16) ETHANOL	5.103	45	5347	1.06	PPBV	80
17) BROMOETHENE	5.375	106	15877	0.97	PPBV	96
18) METHYLENE CHLORIDE	6.555	84	15010	0.98	PPBV #	38
19) 3-CHLOROPROPENE	6.672	39	13000	0.87	PPBV #	66
20) FREON 113	6.805	151	12260	0.45	PPBV #	45
21) TRANS-1,2-DICHLOROETHY...	7.480	96	8598m	0.61	PPBV	
22) TERTIARY BUTYL ALCOHOL	6.450	59	29947	0.93	PPBV	89
23) METHYL TERTIARY BUTYL ...	7.718	73	26784	0.71	PPBV	82
24) TETRAHYDROFURAN	9.159	42	12269	0.75	PPBV	75
25) HEXANE	8.678	57	18766	0.80	PPBV	90
26) VINYL ACETATE	7.801	43	26514	0.73	PPBV	88
27) 1,1-DICHLOROETHANE	7.671	63	22267	0.72	PPBV	95
28) METHYL ETHYL KETONE	8.046	43	25528	0.77	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.479	96	8526	0.72	PPBV #	72
30) ETHYL ACETATE	8.678	43	41341	0.79	PPBV #	94
31) CHLOROFORM	8.763	83	25326	0.72	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.721	97	24130	0.72	PPBV	91
33) CARBON TETRACHLORIDE	10.307	117	24887	0.69	PPBV	99
34) 1,2-DICHLOROETHANE	9.473	62	18105	0.77	PPBV	97
36) BENZENE	10.163	78	27589	0.72	PPBV	96
37) CYCLOHEXANE	10.426	84	12066	0.76	PPBV #	78
38) TRICHLOROETHYLENE	11.161	95	12548	0.66	PPBV #	83
39) 1,2-DICHLOROPROPANE	10.935	63	11949	0.78	PPBV	91
40) BROMODICHLOROMETHANE	11.122	83	22420	0.67	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	52759	0.74	PPBV	94
42) 1,4-DIOXANE	11.154	88	3982	0.65	PPBV #	57
43) HEPTANE	11.418	43	21551	0.75	PPBV	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC177-.5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 17:28:08 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration

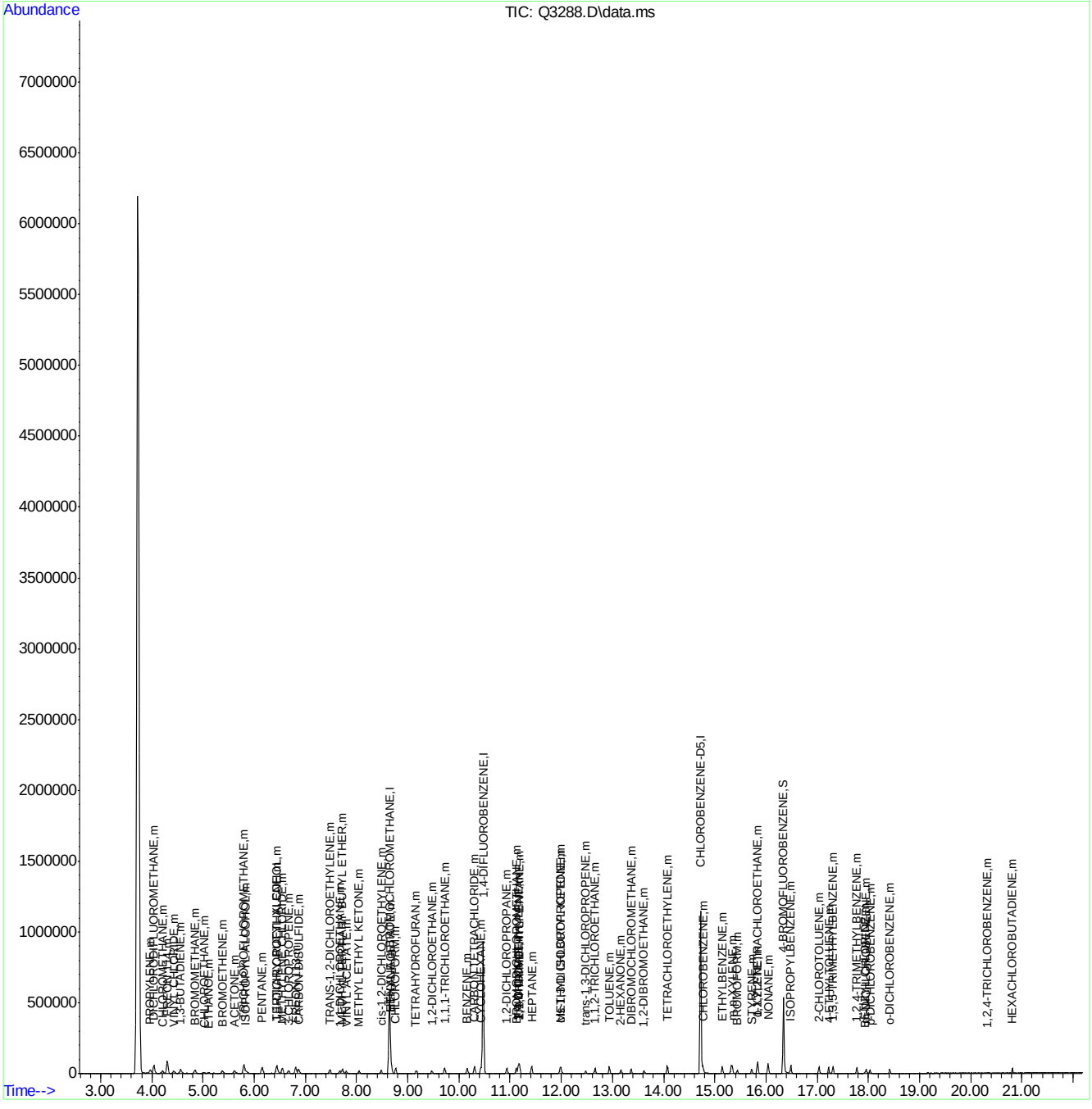
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	27358	0.76	PPBV	88
45) cis-1,3-DICHLOROPROPENE	11.981	75	13218	0.61	PPBV #	69
46) TOLUENE	12.937	92	15499	0.65	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.474	75	9657	0.63	PPBV	84
48) 1,1,2-TRICHLOROETHANE	12.657	83	9726	0.70	PPBV	92
50) 2-HEXANONE	13.164	43	18781	0.71	PPBV	89
51) TETRACHLOROETHYLENE	14.077	164	7903	0.56	PPBV #	81
52) DIBROMOCHLOROMETHANE	13.365	129	13970	0.56	PPBV	98
53) 1,2-DIBROMOETHANE	13.612	107	12504	0.66	PPBV #	98
54) CHLOROBENZENE	14.771	112	17461	0.67	PPBV #	79
55) ETHYLBENZENE	15.149	91	33483	0.66	PPBV	94
56) m,p-XYLENE	15.342	106	22225m	1.26	PPBV	
57) o-XYLENE	15.841	106	10506	0.58	PPBV #	77
58) STYRENE	15.722	104	11763	0.53	PPBV	90
59) NONANE	16.041	43	29908	0.79	PPBV	87
60) BROMOFORM	15.436	173	8136	0.43	PPBV #	94
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	21013	0.67	PPBV	96
63) ISOPROPYLBENZENE	16.483	105	32957	0.61	PPBV	93
64) 2-CHLOROTOLUENE	17.037	91	25440	0.66	PPBV	86
65) 4-ETHYLTOLUENE	17.225	105	24275m	0.60	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	24608	0.58	PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.770	105	21367	0.55	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	8278	0.51	PPBV	92
69) BENZYL CHLORIDE	17.928	91	7739	0.42	PPBV	89
70) p-DICHLOROBENZENE	18.031	146	7044	0.50	PPBV	93
71) o-DICHLOROBENZENE	18.418	146	8151	0.52	PPBV	93
72) HEXACHLOROBUTADIENE	20.814	225	3264	0.59	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.327	180	1102	0.47	PPBV #	78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC177-.5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

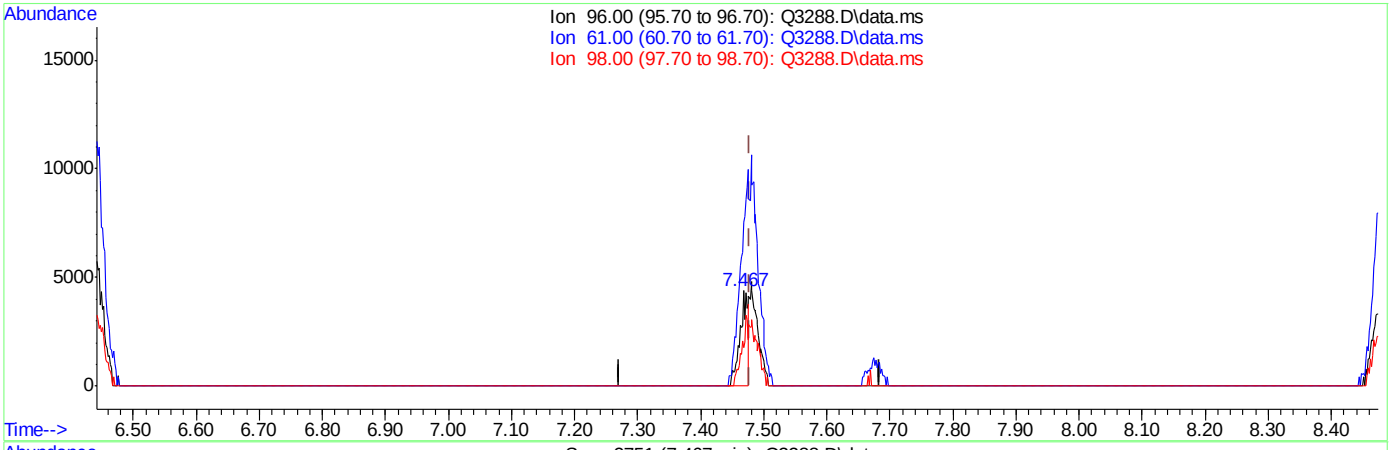
Quant Time: Apr 26 17:28:08 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration

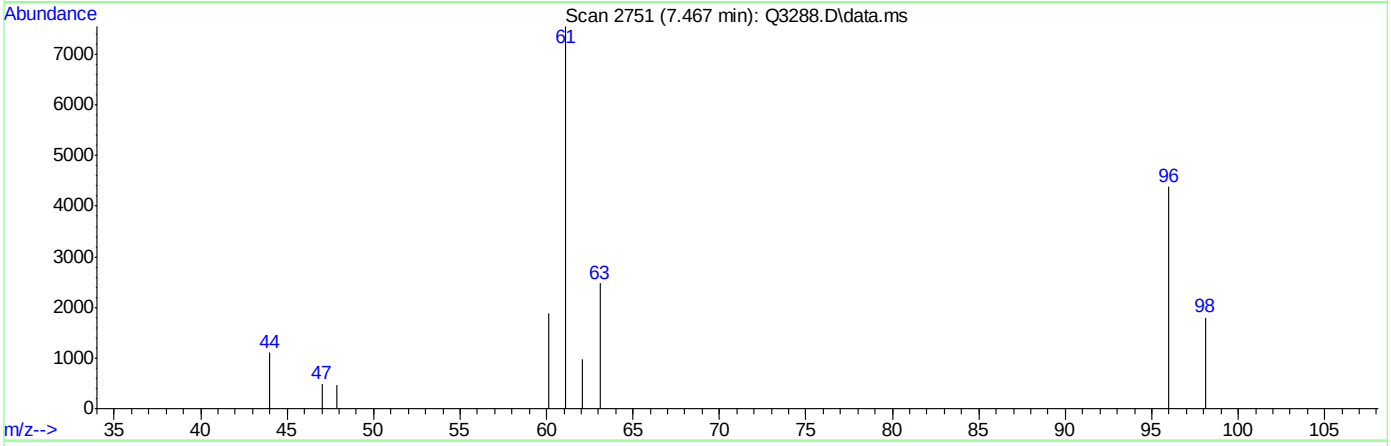


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC77-.5 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 17:27:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration





TIC: Q3288.D\data.ms

(21) TRANS-1,2-DICHLOROETHYLENE (m)

7.467min (-0.011) 0.27PPBV

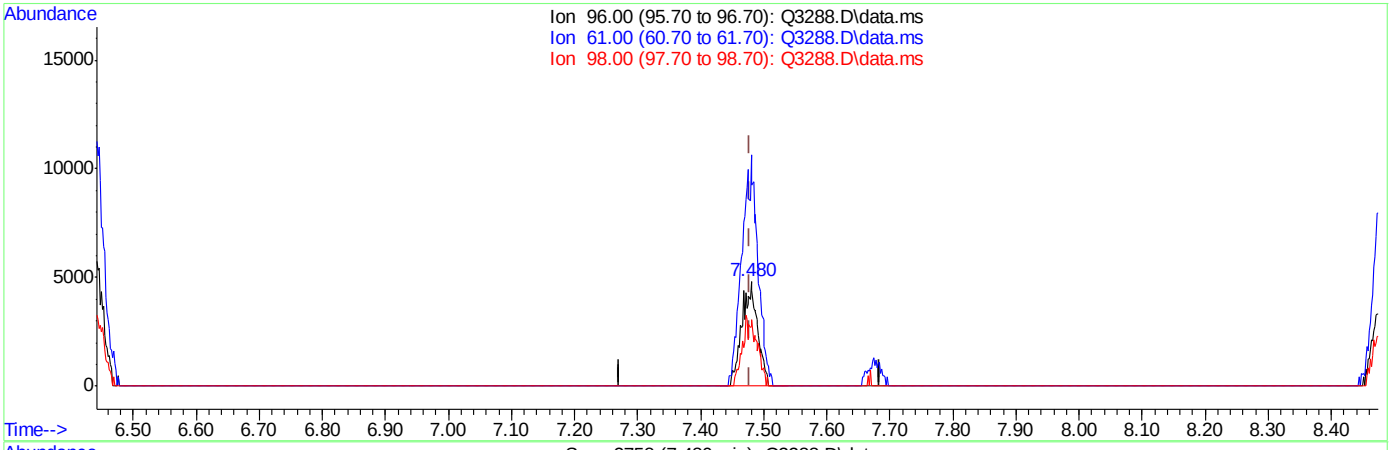
response 3802

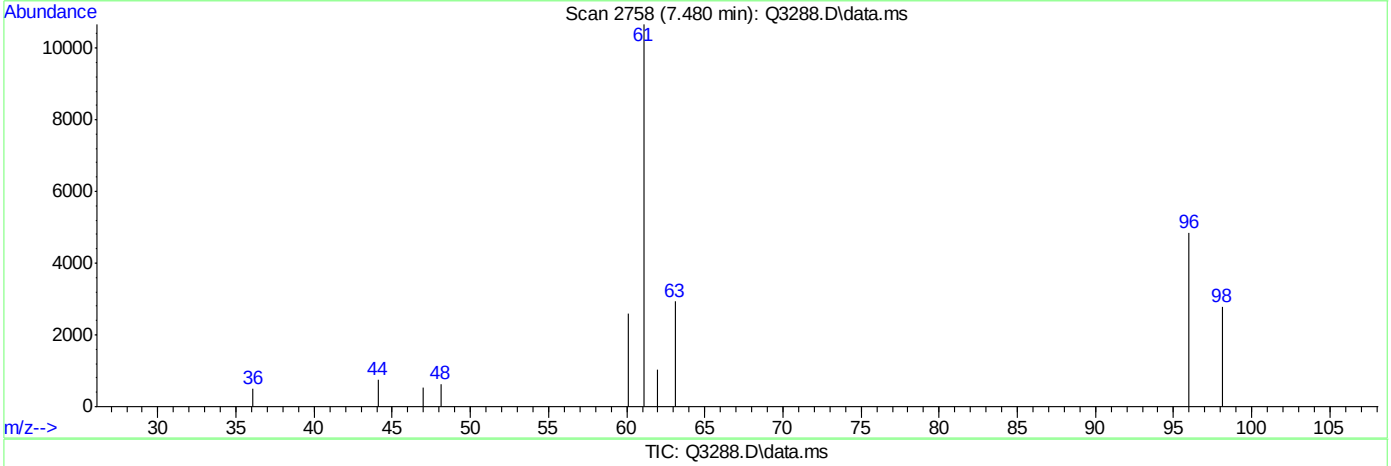
Ion	Exp%	Act%
96.00	100	100
61.00	134.70	515.62#
98.00	64.30	58.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC77-.5 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 17:27:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration





TIC: Q3288.D\data.ms

(21) TRANS-1,2-DICHLOROETHYLENE (m)

7.480min (+0.002) 0.61PPBV m

response 8598

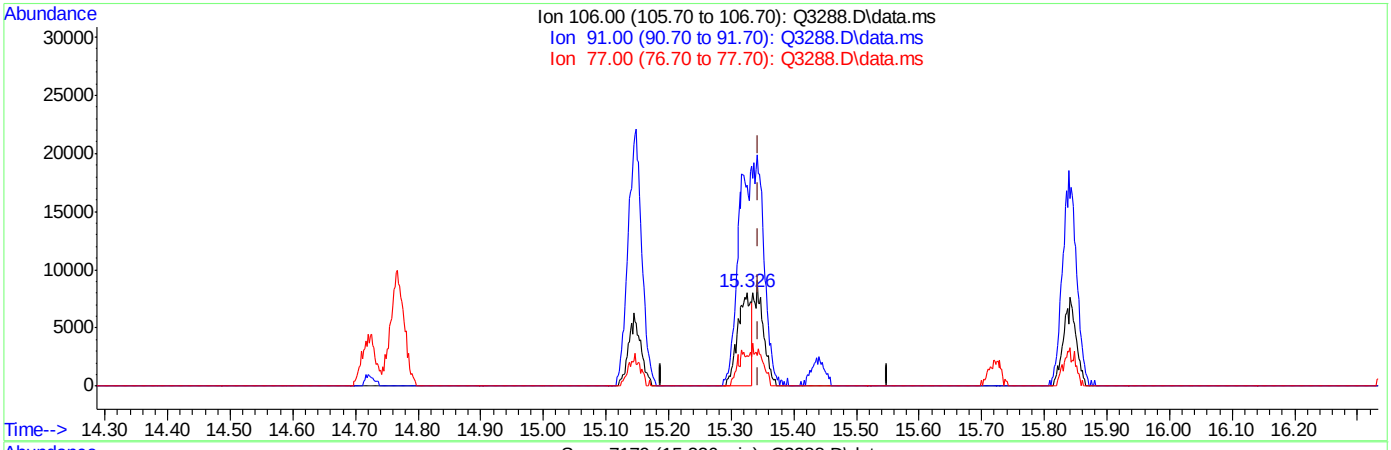
Ion	Exp%	Act%
96.00	100	100
61.00	134.70	228.01#
98.00	64.30	25.83#
0.00	0.00	0.00

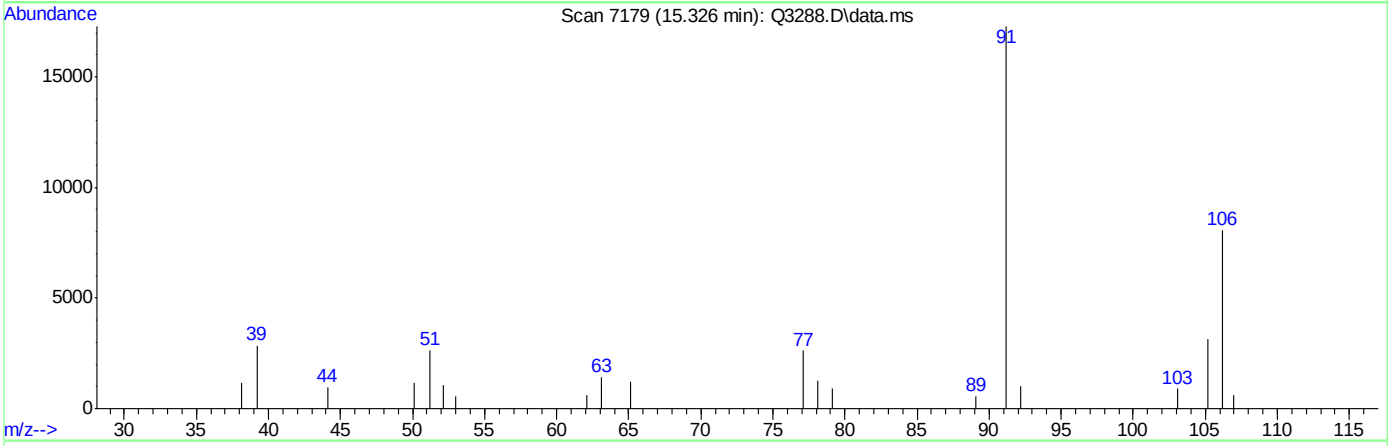
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC77-.5 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 17:27:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration





TIC: Q3288.D\data.ms

(56) m,p-XYLENE (m)

15.326min (-0.018) 0.70PPBV

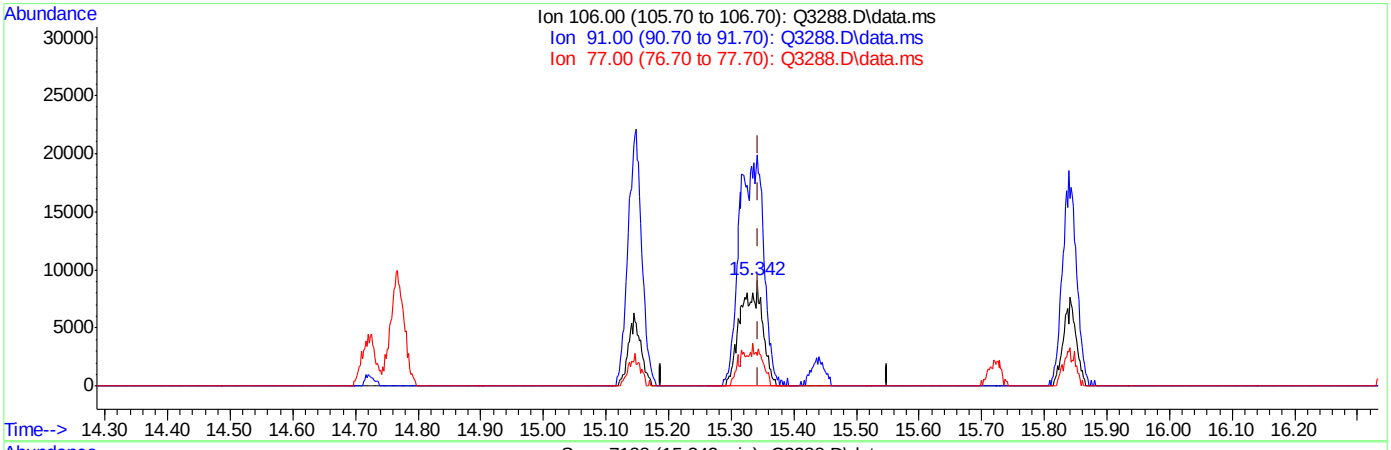
response 12326

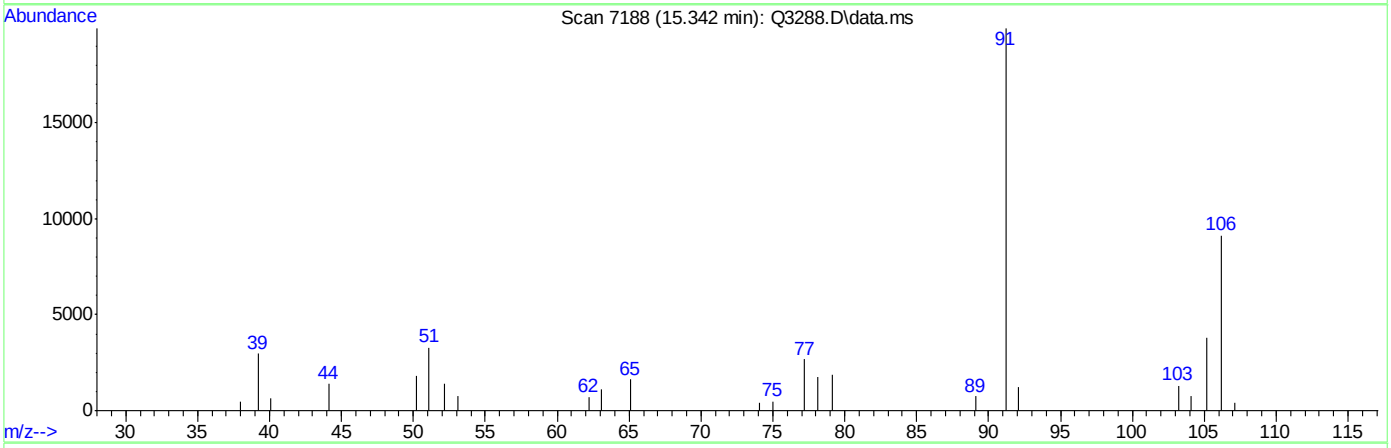
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	214.31
77.00	31.20	32.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC77-.5 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 17:27:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration





TIC: Q3288.D\data.ms

(56) m,p-XYLENE (m)

15.342min (-0.002) 1.26PPBV m

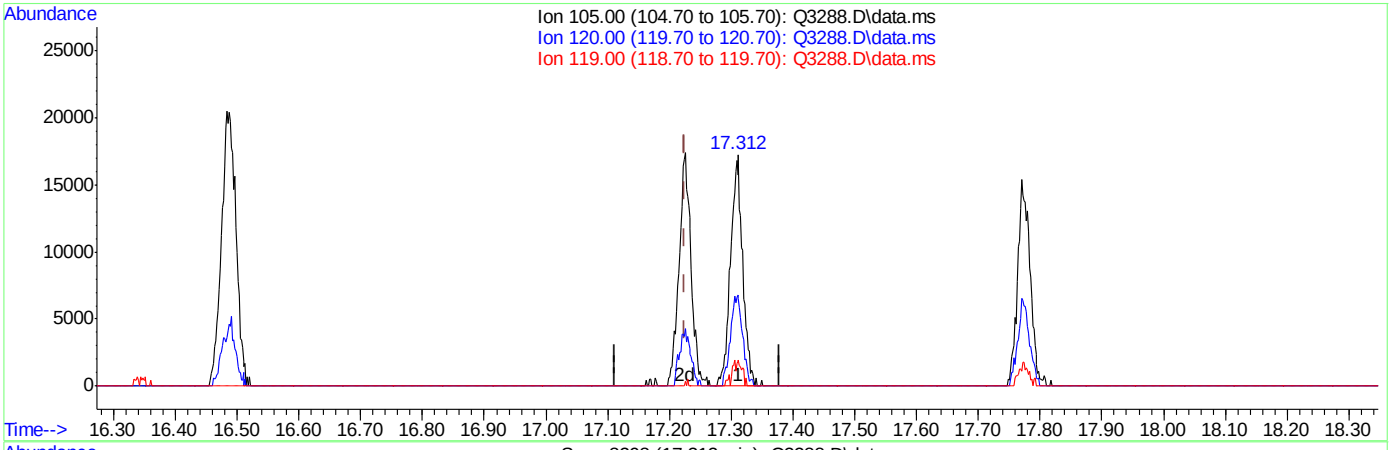
response 22225

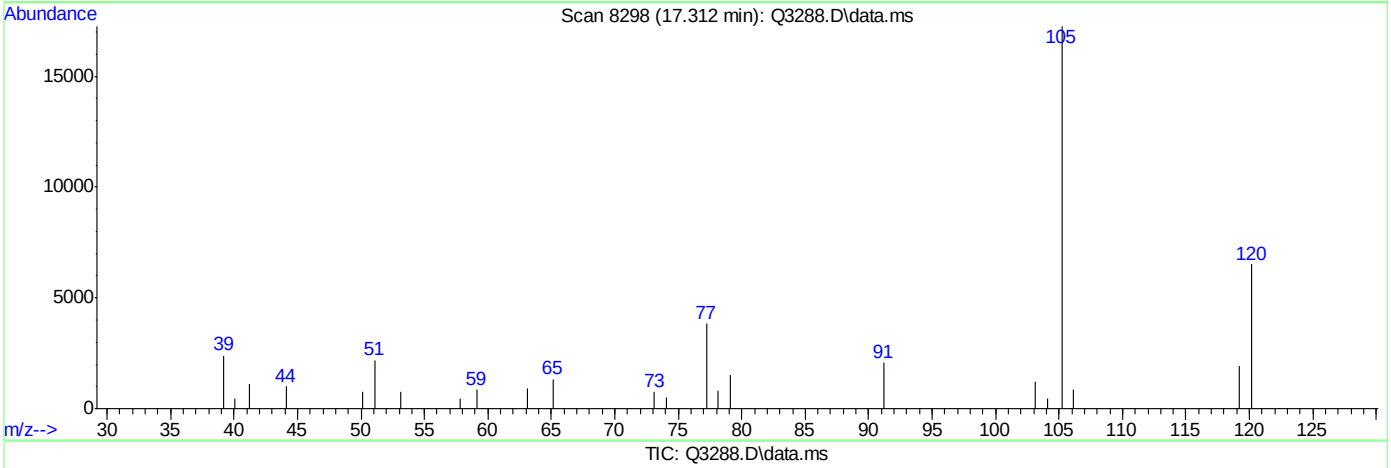
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	218.35
77.00	31.20	29.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On : 26 Apr 2007 5:04 pm
Operator : PhilipB
Sample : IC77-.5 (M103)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 17:27:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration





TIC: Q3288.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.312min (+0.087) 0.61PPBV

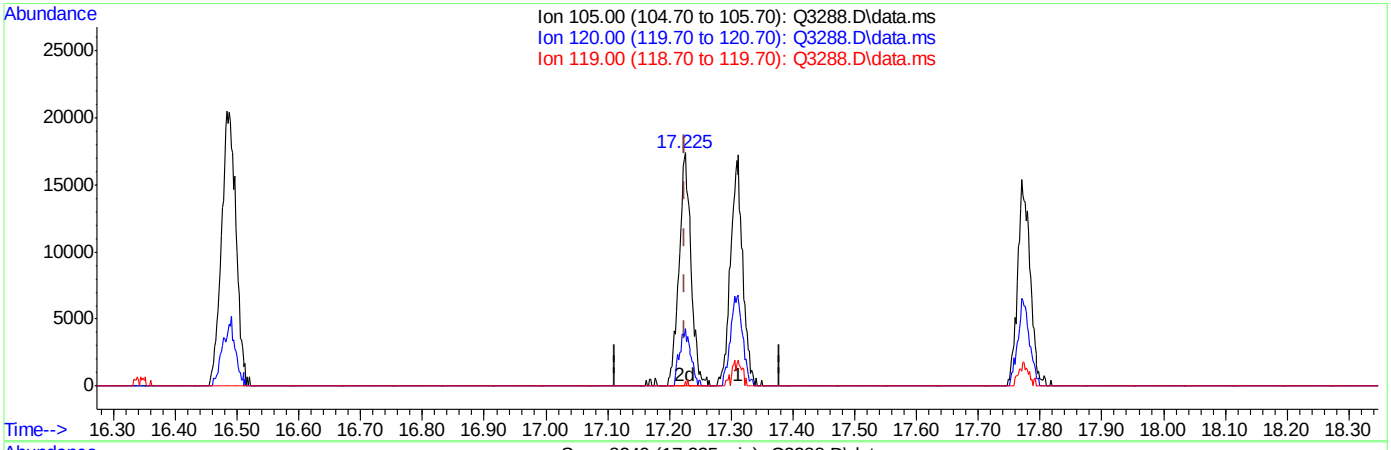
response 24602

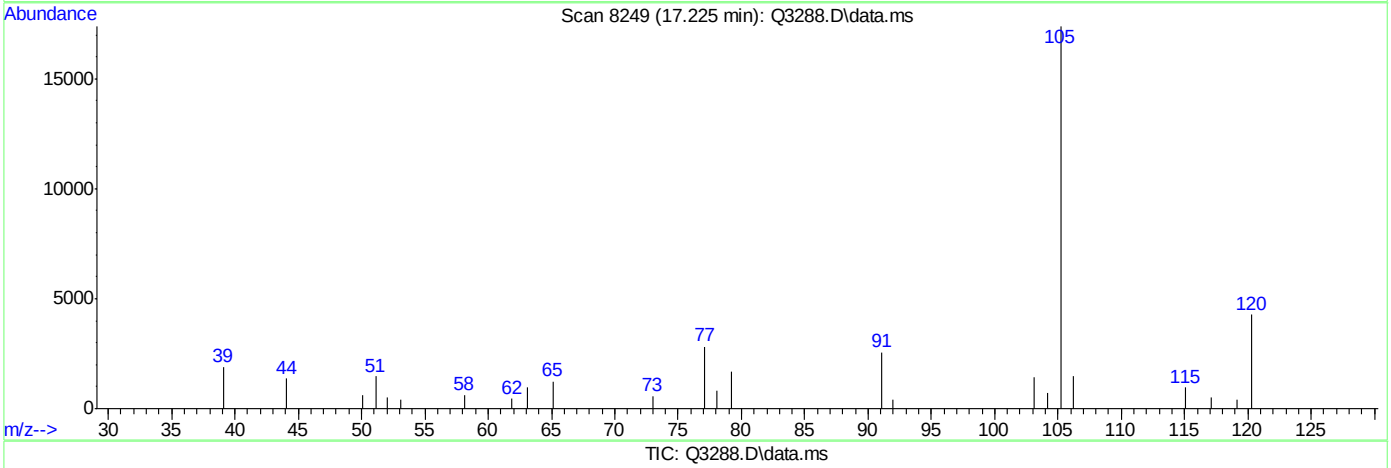
Ion	Exp%	Act%
105.00	100	100
120.00	27.70	40.02
119.00	2.10	9.50
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3288.D
Acq On    : 26 Apr 2007   5:04 pm
Operator  : PhilipB
Sample    : IC77-.5 (M103)
Misc      : MS13369,MSQ177,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Apr 26 17:27:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:47:21 2007
Response via : Initial Calibration
```



TIC: Q3288.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.225min (+0.000) 0.60PPBV m

response 24275

Ion	Exp%	Act%
105.00	100	100
120.00	27.70	40.56
119.00	2.10	9.63
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC177-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:09:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	92662	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	478746	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	399844	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	152034	4.48	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 89.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	11466	0.19	PPBV	90
3) PROPYLENE	3.975	41	2941	0.20	PPBV #	74
4) FREON 114	4.303	85	8637	0.15	PPBV	85
5) CHLOROMETHANE	4.209	50	2885m	0.16	PPBV	
6) VINYL CHLORIDE	4.427	62	2768	0.14	PPBV #	60
7) 1,3-BUTADIENE	4.569	39	3139	0.19	PPBV #	47
8) BROMOMETHANE	4.839	94	2306	0.12	PPBV #	91
9) CHLOROETHANE	5.015	64	676m	0.08	PPBV	
10) TRICHLOROFLUOROMETHANE	5.794	101	9118	0.15	PPBV	94
11) ISOPROPYL ALCOHOL	5.843	45	8035	0.27	PPBV	96
12) ACETONE	5.611	43	14608	0.55	PPBV	87
13) PENTANE	6.161	42	4138m	0.22	PPBV	
14) 1,1-DICHLOROETHYLENE	6.433	96	1987	0.12	PPBV #	29
15) CARBON DISULFIDE	6.868	76	8503	0.17	PPBV #	84
16) ETHANOL	5.112	45	2060	0.38	PPBV #	50
17) BROMOETHENE	5.380	106	1976m	0.12	PPBV	
18) METHYLENE CHLORIDE	6.555	84	17346	1.08	PPBV	75
19) 3-CHLOROPROPENE	6.665	39	2726	0.18	PPBV #	73
20) FREON 113	6.811	151	5519	0.23	PPBV #	58
21) TRANS-1,2-DICHLOROETHY...	7.482	96	2098	0.16	PPBV #	62
22) TERTIARY BUTYL ALCOHOL	6.459	59	5580	0.17	PPBV #	70
23) METHYL TERTIARY BUTYL ...	7.728	73	5263	0.14	PPBV	94
24) TETRAHYDROFURAN	9.168	42	2435	0.15	PPBV #	42
25) HEXANE	8.674	57	7792	0.33	PPBV #	83
26) VINYL ACETATE	7.801	43	6410	0.18	PPBV #	82
27) 1,1-DICHLOROETHANE	7.677	63	4661	0.16	PPBV	73
28) METHYL ETHYL KETONE	8.050	43	6571	0.20	PPBV	83
29) cis-1,2-DICHLOROETHYLENE	8.490	96	1533	0.13	PPBV #	54
30) ETHYL ACETATE	8.683	43	12754	0.25	PPBV #	94
31) CHLOROFORM	8.768	83	5794	0.17	PPBV	92
32) 1,1,1-TRICHLOROETHANE	9.720	97	4844	0.15	PPBV	94
33) CARBON TETRACHLORIDE	10.305	117	5121	0.15	PPBV	97
34) 1,2-DICHLOROETHANE	9.482	62	3580	0.15	PPBV #	87
36) BENZENE	10.167	78	5326	0.15	PPBV	97
37) CYCLOHEXANE	10.422	84	2044	0.13	PPBV #	68
38) TRICHLOROETHYLENE	11.164	95	2250m	0.13	PPBV	
39) 1,2-DICHLOROPROPANE	10.935	63	2086	0.14	PPBV #	63
40) BROMODICHLOROMETHANE	11.129	83	4312	0.14	PPBV	95
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	11359	0.17	PPBV #	94
42) 1,4-DIOXANE	11.171	88	644	0.11	PPBV #	1
43) HEPTANE	11.416	43	4574	0.17	PPBV #	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC177-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:09:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration

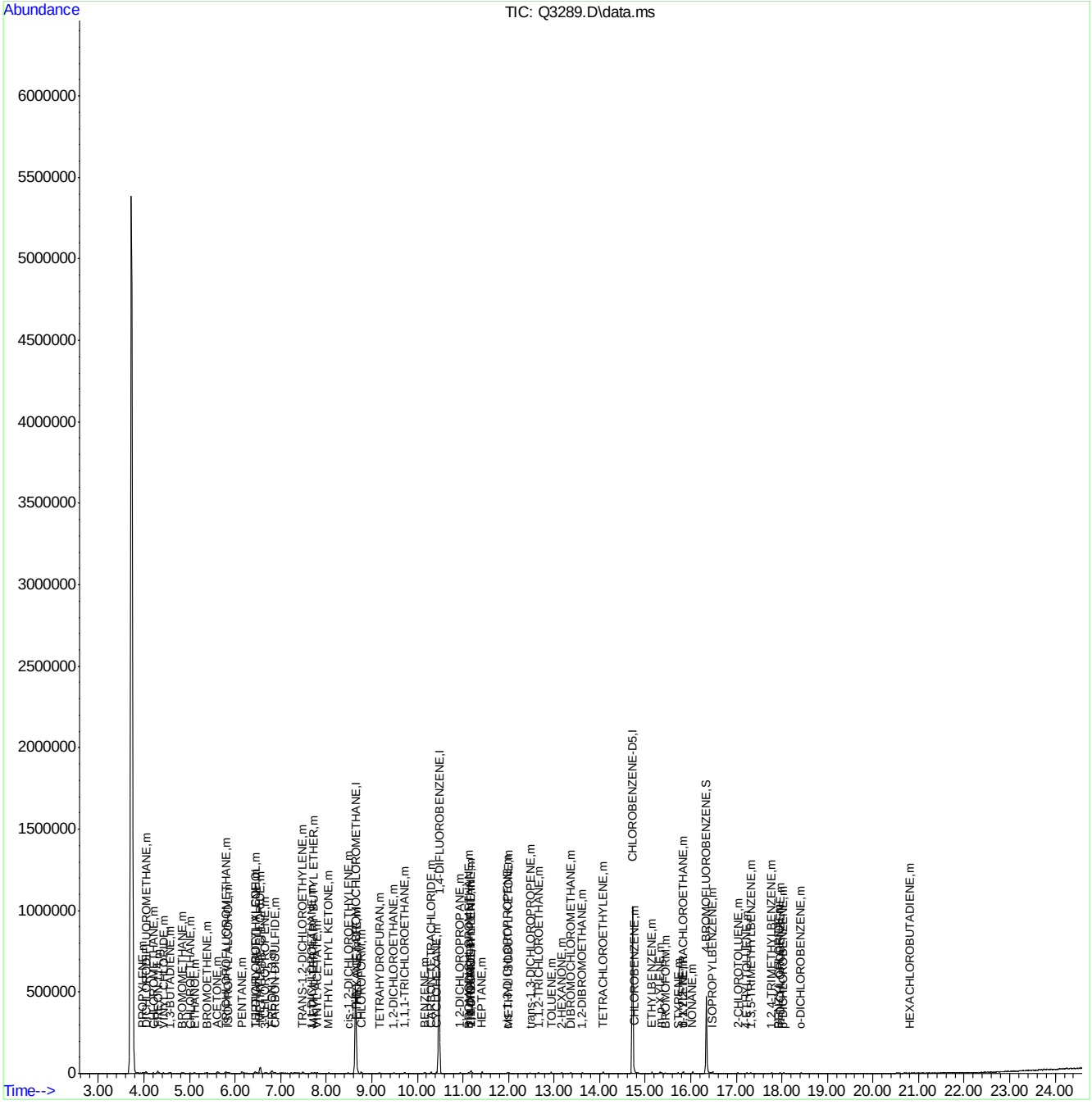
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.998	43	5359	0.15 PPBV #	75
45) cis-1,3-DICHLOROPROPENE	11.979	75	2419	0.12 PPBV #	71
46) TOLUENE	12.939	92	2901	0.13 PPBV	87
47) trans-1,3-DICHLOROPROPENE	12.472	75	1778	0.13 PPBV #	67
48) 1,1,2-TRICHLOROETHANE	12.660	83	1578	0.12 PPBV #	84
50) 2-HEXANONE	13.170	43	3604	0.15 PPBV #	74
51) TETRACHLOROETHYLENE	14.075	164	1228	0.10 PPBV #	65
52) DIBROMOCHLOROMETHANE	13.365	129	2344	0.11 PPBV #	57
53) 1,2-DIBROMOETHANE	13.615	107	2206	0.13 PPBV #	98
54) CHLOROBENZENE	14.769	112	3445	0.14 PPBV	80
55) ETHYLBENZENE	15.149	91	6071	0.13 PPBV #	55
56) m,p-XYLENE	15.326	106	3537m	0.22 PPBV	
57) o-XYLENE	15.837	106	1561	0.10 PPBV #	64
58) STYRENE	15.720	104	1797	0.09 PPBV	81
59) NONANE	16.040	43	5002	0.14 PPBV #	71
60) BROMOFORM	15.434	173	1197	0.07 PPBV #	47
62) 1,1,2,2-TETRACHLOROETHANE	15.825	83	3417	0.12 PPBV #	95
63) ISOPROPYLBENZENE	16.483	105	6031	0.12 PPBV	92
64) 2-CHLOROTOLUENE	17.035	91	4249	0.12 PPBV	76
65) 4-ETHYLTOLUENE	17.227	105	3558	0.10 PPBV #	60
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	4036	0.11 PPBV	80
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	3054	0.09 PPBV #	77
68) m-DICHLOROBENZENE	17.955	146	1336	0.09 PPBV	85
69) BENZYL CHLORIDE	17.935	91	834	0.05 PPBV #	63
70) p-DICHLOROBENZENE	18.036	146	856	0.07 PPBV #	40
71) o-DICHLOROBENZENE	18.416	146	1136	0.08 PPBV #	78
72) HEXACHLOROBUTADIENE	20.812	225	136	0.03 PPBV #	63

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC177-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:09:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration

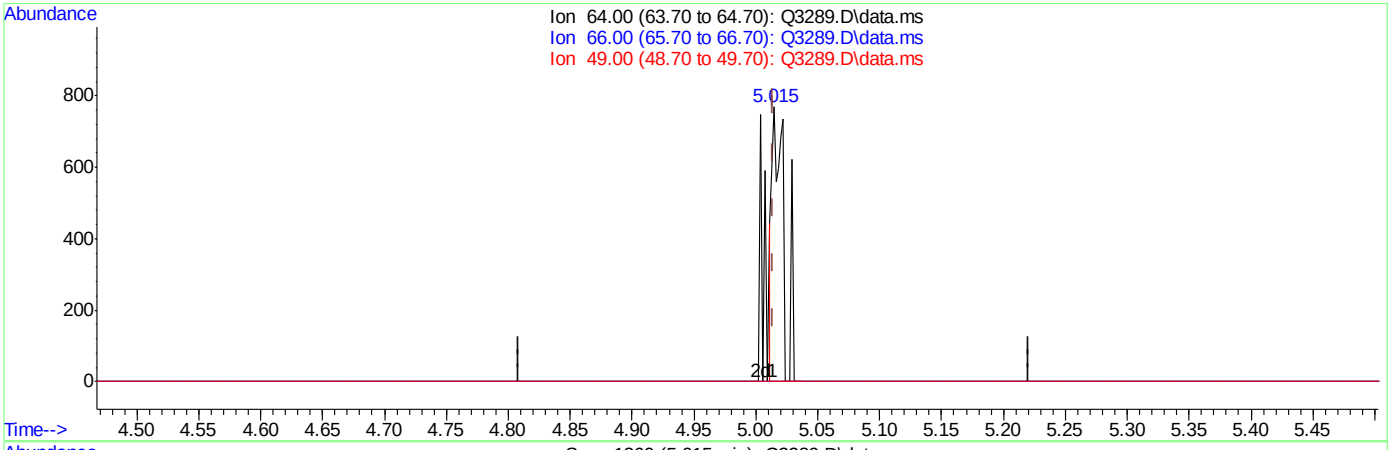


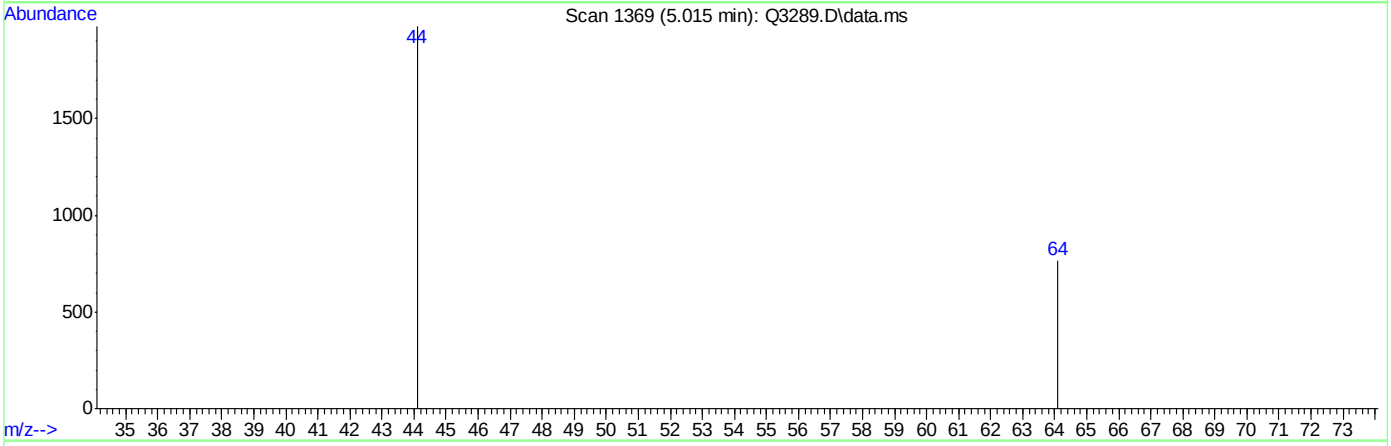
Q042507T.m Thu Apr 26 18:13:14 2007 RPT1 Page: 3

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(9) CHLOROETHANE (m)

5.015min (+0.000) 0.06PPBV

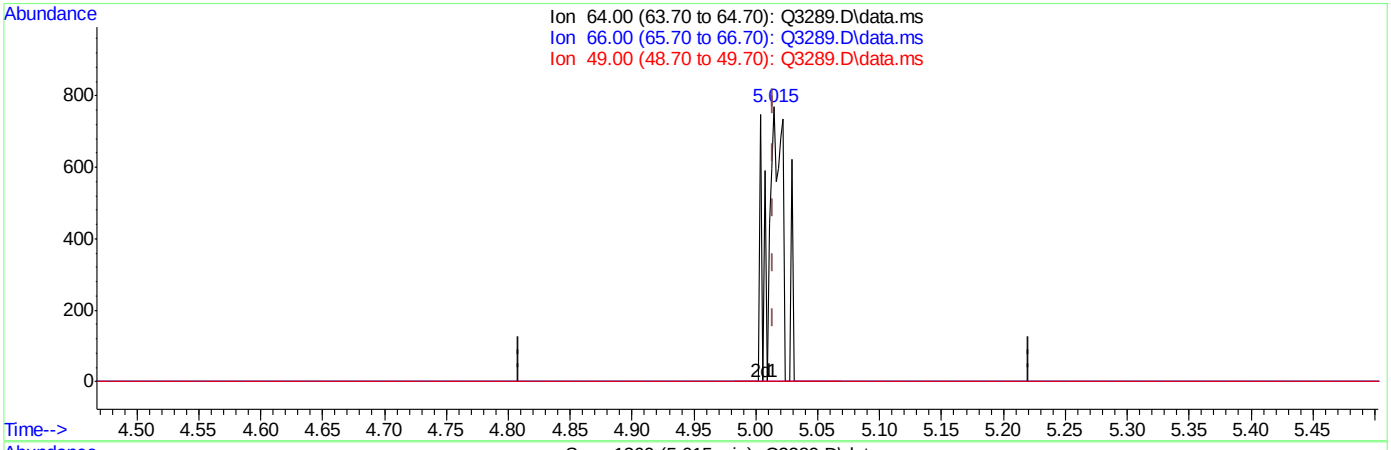
response 486

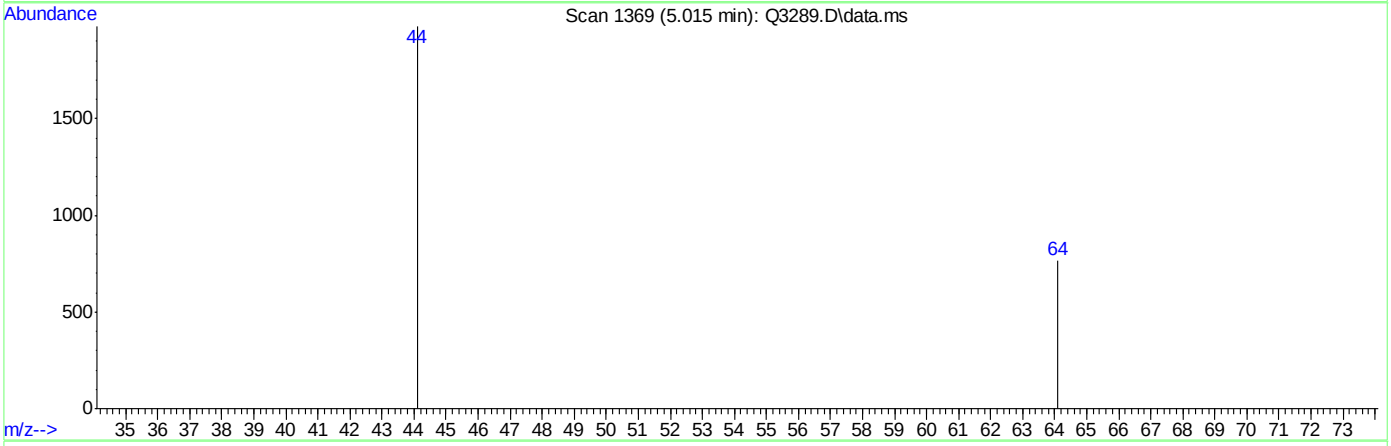
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(9) CHLOROETHANE (m)

5.015min (+0.000) 0.08PPBV m

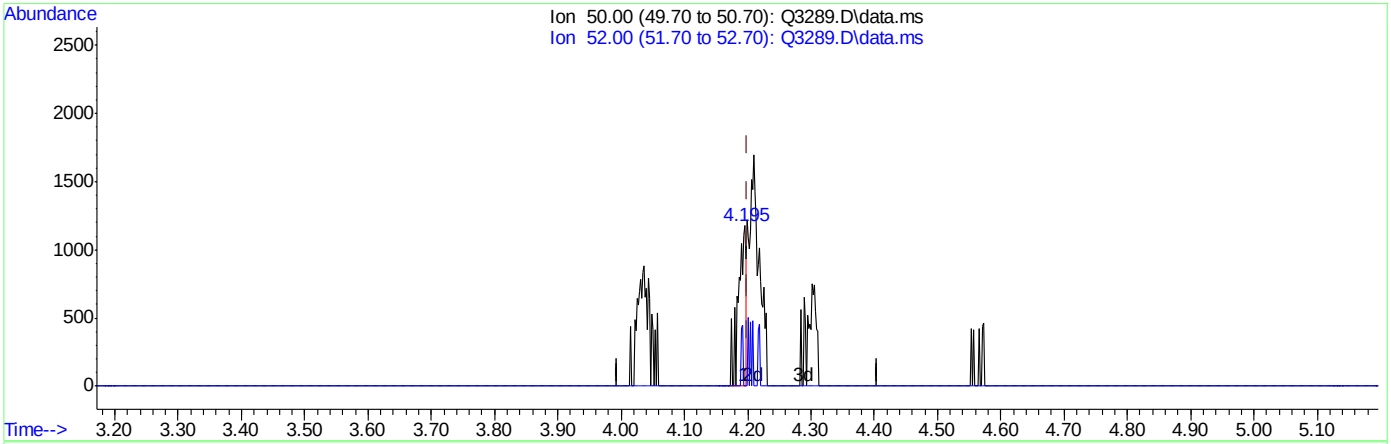
response 676

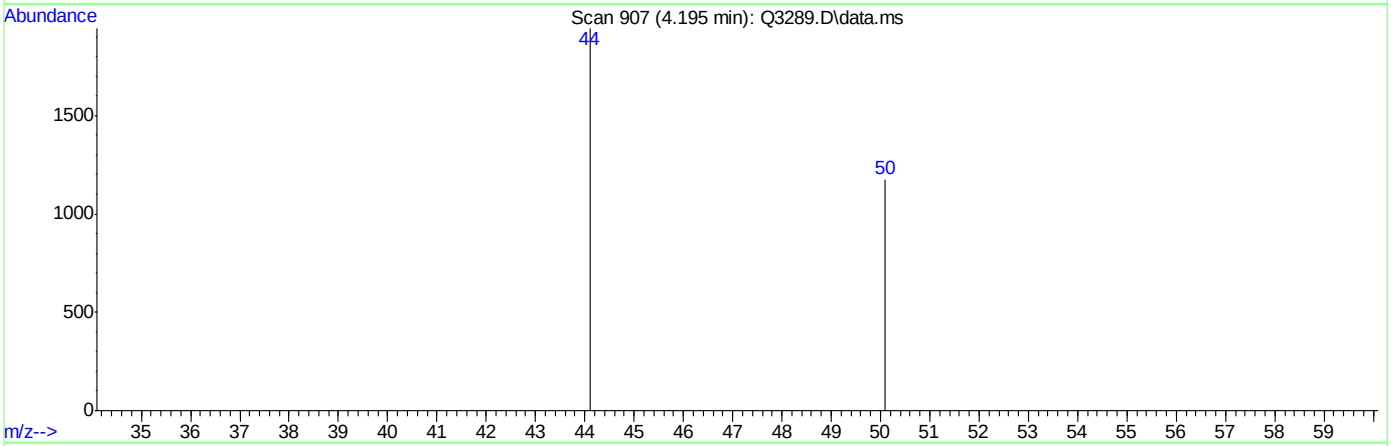
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(5) CHLOROMETHANE (m)

4.195min (-0.005) 0.05PPBV

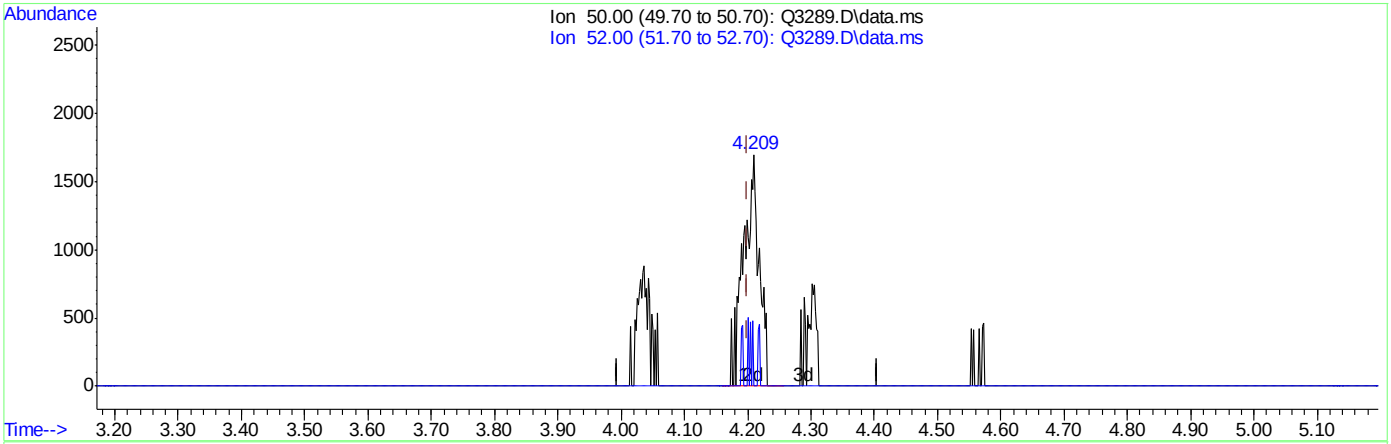
response 960

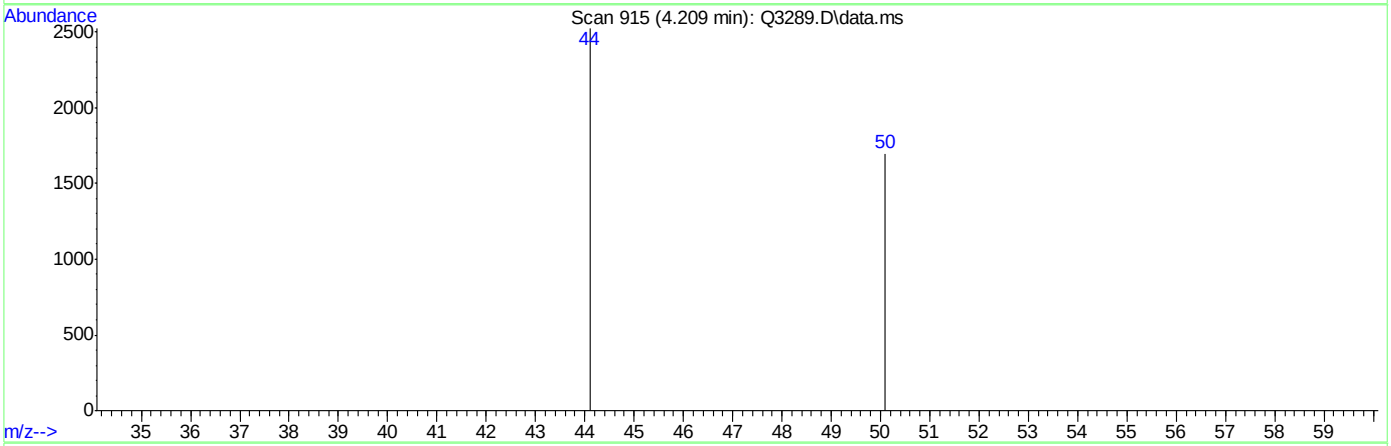
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(5) CHLOROMETHANE (m)

4.209min (+0.009) 0.16PPBV m

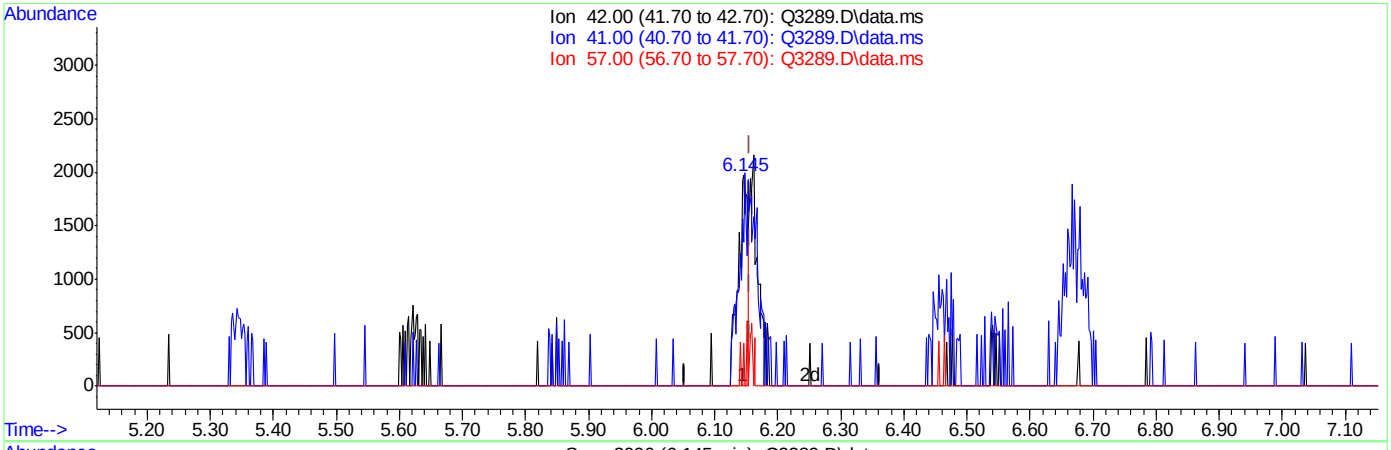
response 2885

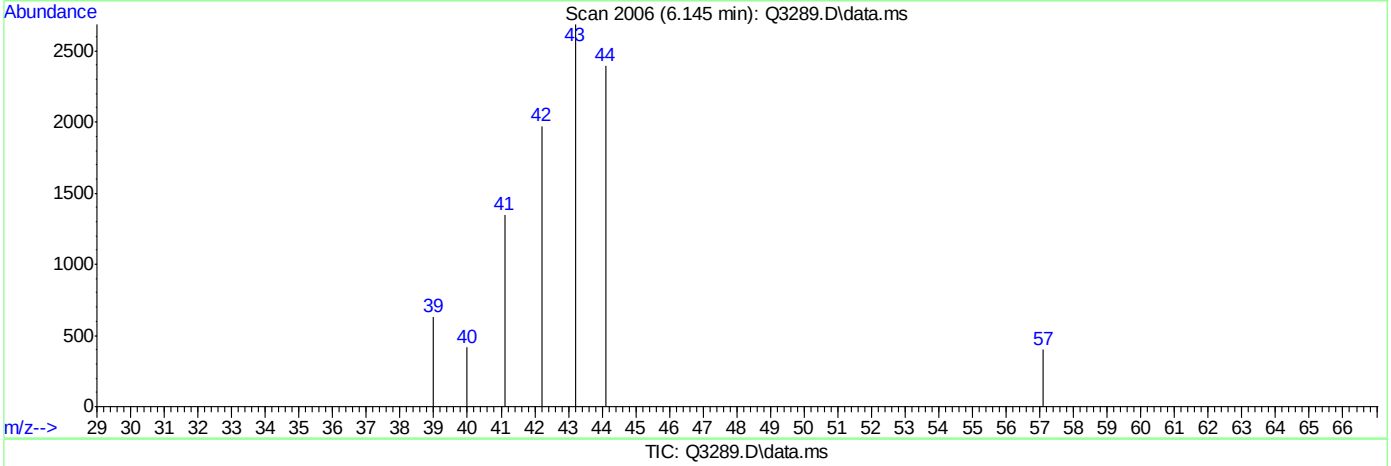
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(13) PENTANE (m)

6.145min (-0.011) 0.11PPBV

response 2043

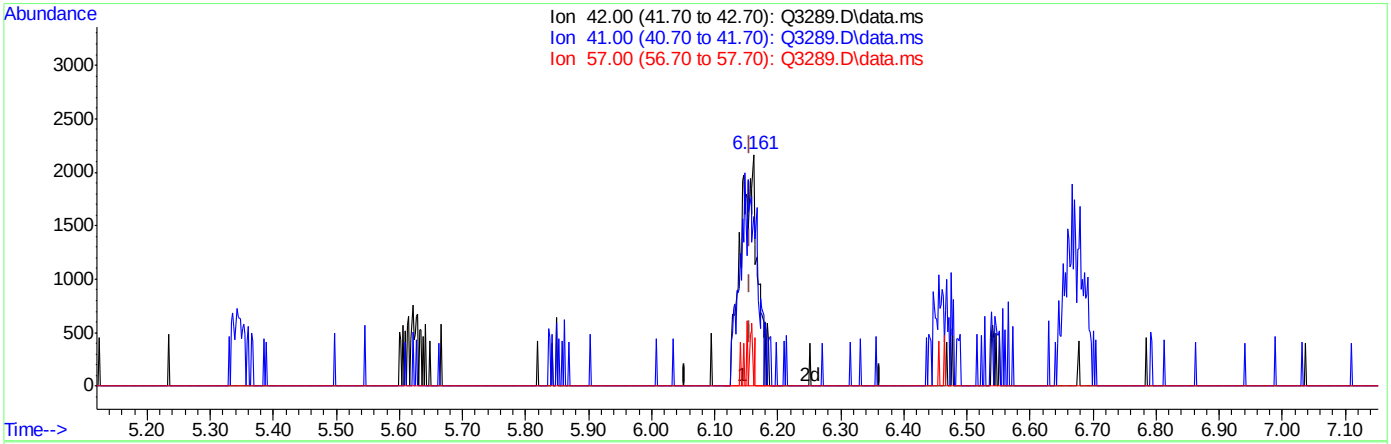
Ion	Exp%	Act%
42.00	100	100
41.00	101.00	194.42#
57.00	26.60	4.26#
0.00	0.00	0.00

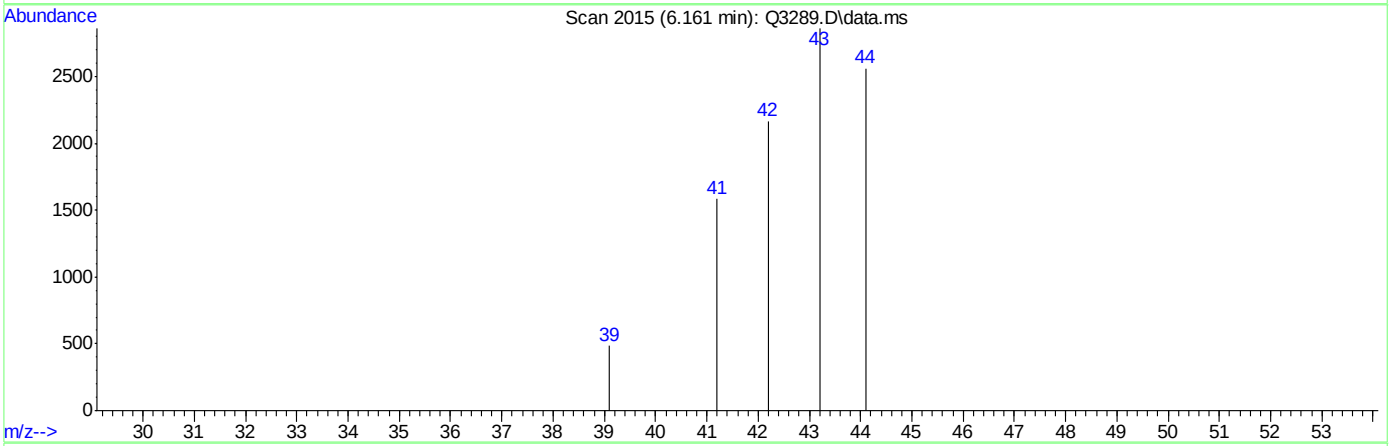
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On    : 26 Apr 2007   5:42 pm
Operator  : PhilipB
Sample    : IC77-.2 (D025)
Misc      : MS13369,MSQ177,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration
```



TIC: Q3289.D\data.ms

(13) PENTANE (m)

6.161min (+0.005) 0.22PPBV m

response 4138

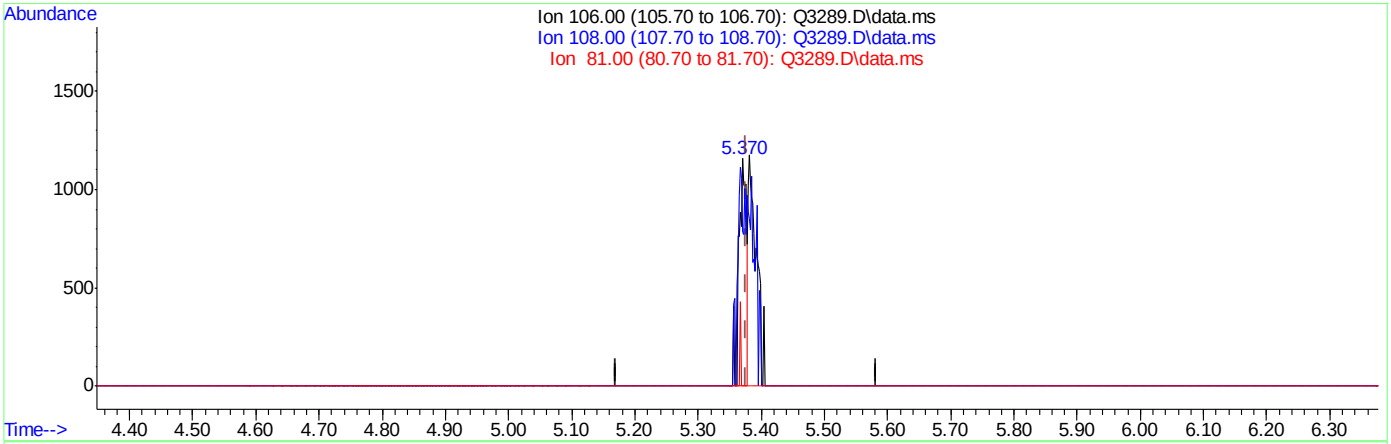
Ion	Exp%	Act%
42.00	100	100
41.00	101.00	95.99
57.00	26.60	2.10#
0.00	0.00	0.00

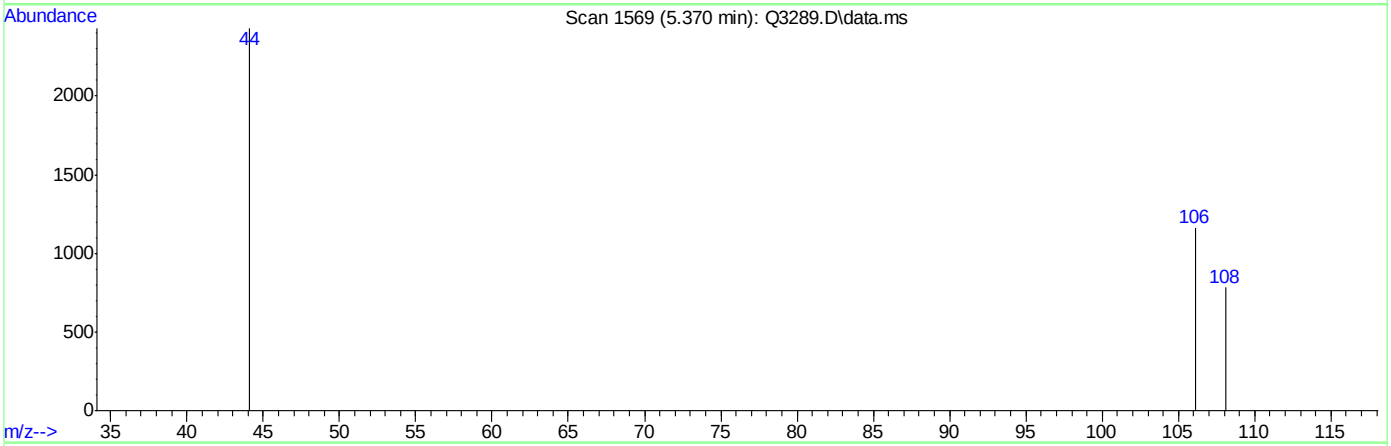
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(17) BROMOETHENE (m)

5.370min (-0.007) 0.05PPBV

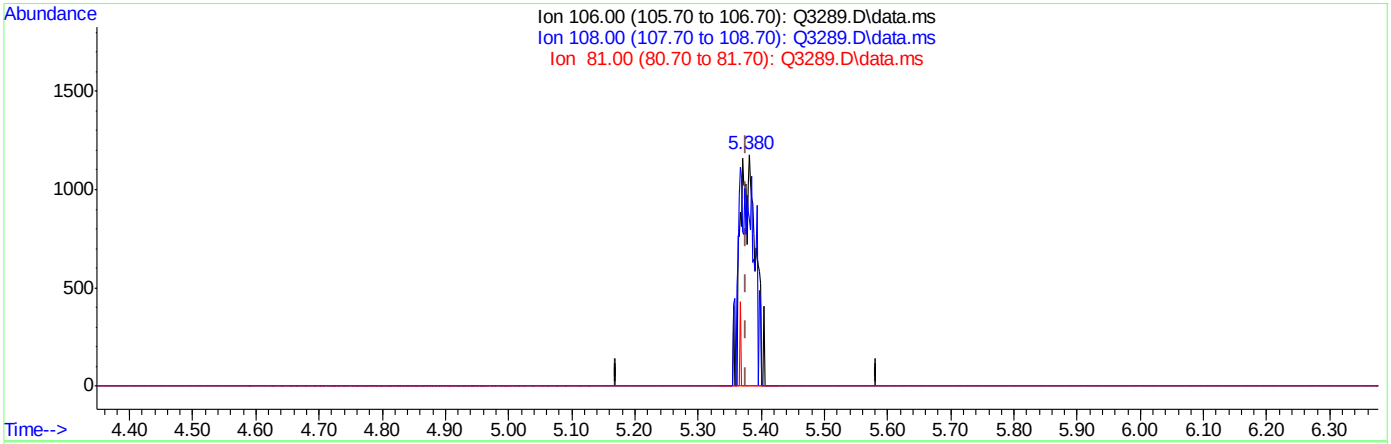
response 914

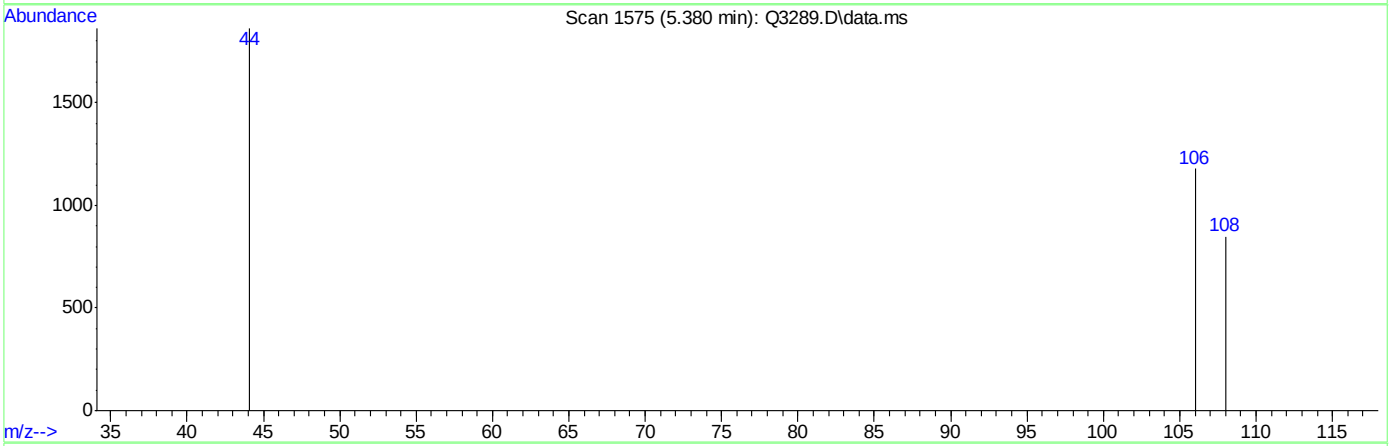
Ion	Exp%	Act%
106.00	100	100
108.00	95.00	69.47#
81.00	17.00	5.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(17) BROMOETHENE (m)

5.380min (+0.004) 0.12PPBV m

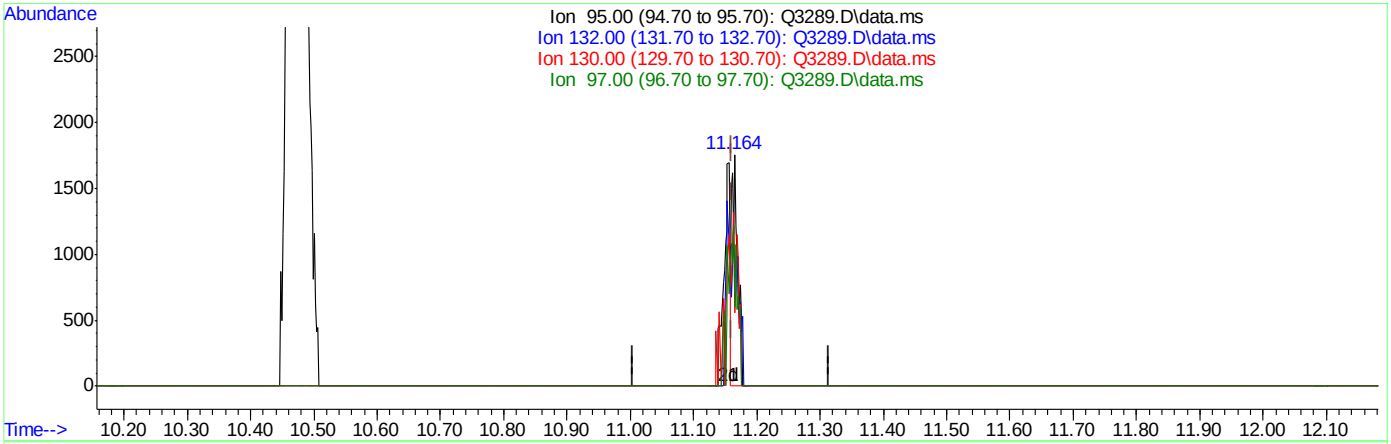
response 1976

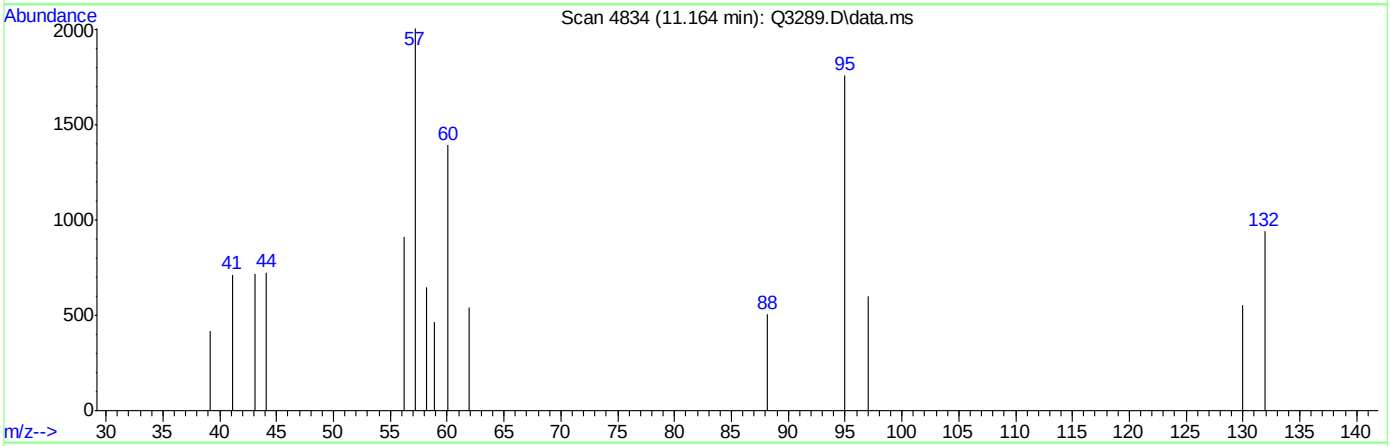
Ion	Exp%	Act%
106.00	100	100
108.00	95.00	32.14#
81.00	17.00	2.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(38) TRICHLOROETHYLENE (m)

11.164min (+0.004) 0.07PPBV

response 1181

Ion	Exp%	Act%
95.00	100	100
132.00	90.20	0.00#
130.00	92.70	112.96#
97.00	65.20	105.25#

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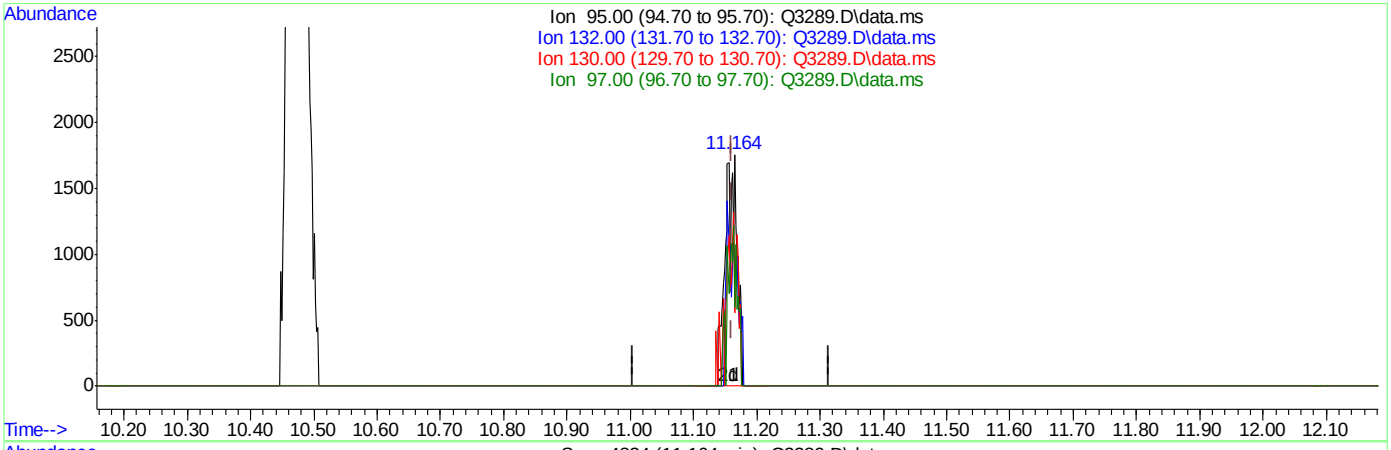
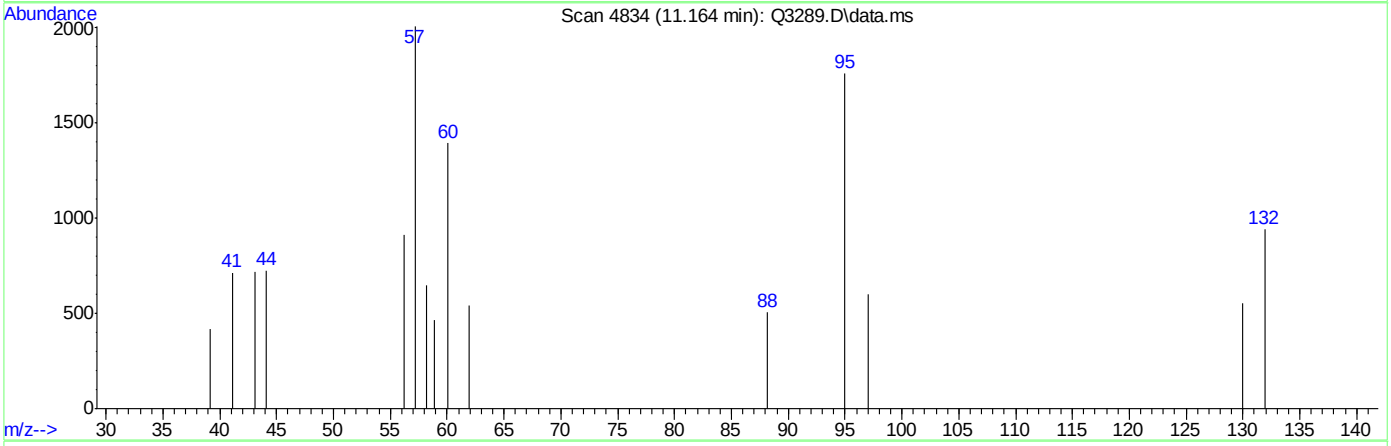
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(38) TRICHLOROETHYLENE (m)

11.164min (+0.004) 0.13PPBV m

response 2250

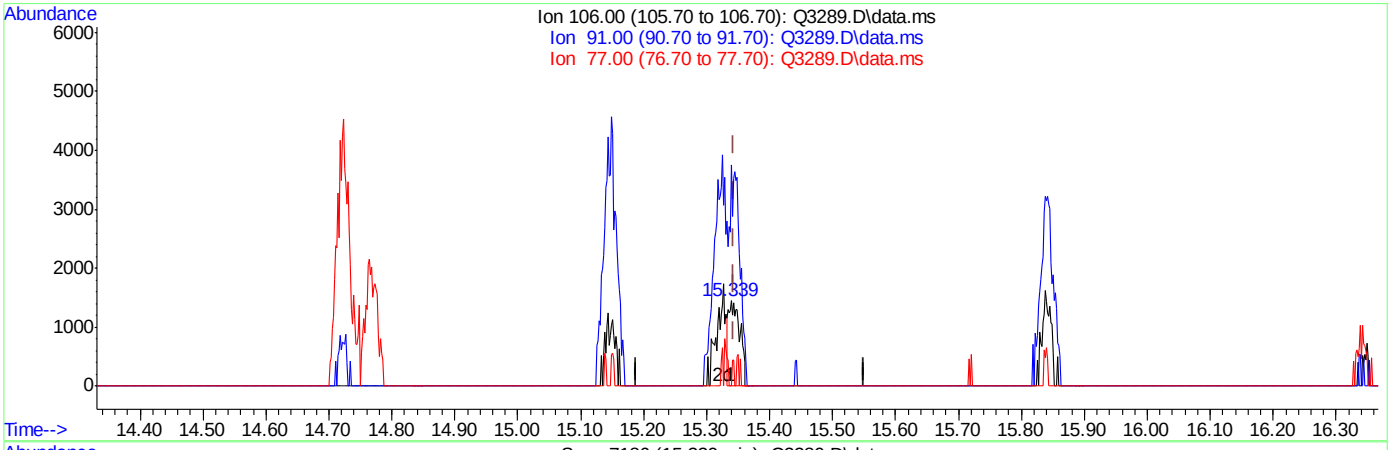
Ion	Exp%	Act%
95.00	100	100
132.00	90.20	0.00#
130.00	92.70	59.29#
97.00	65.20	55.24

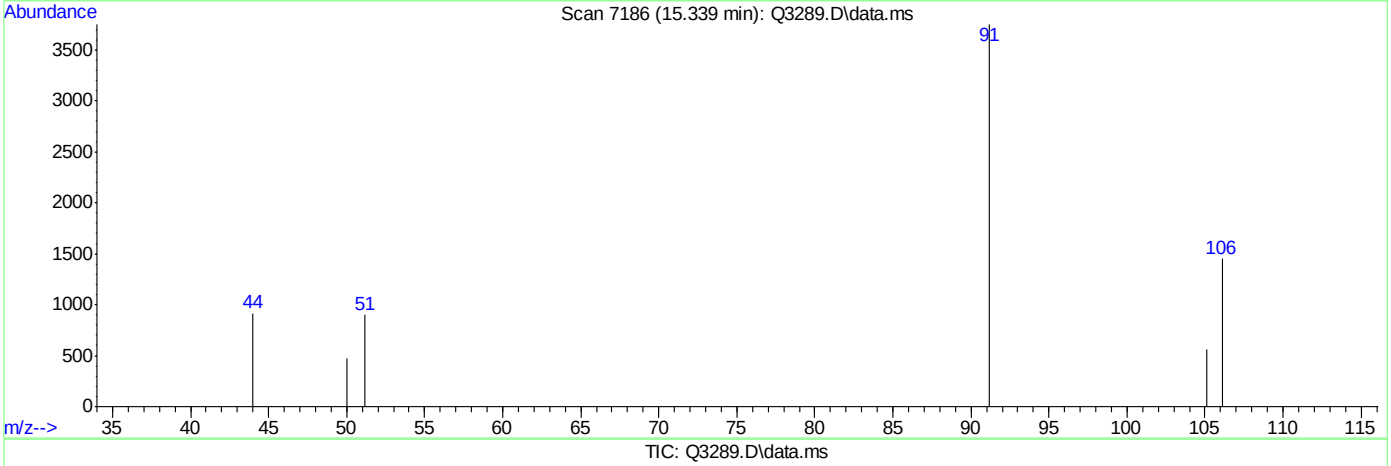
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(56) m,p-XYLENE (m)

15.339min (-0.005) 0.11PPBV

response 1827

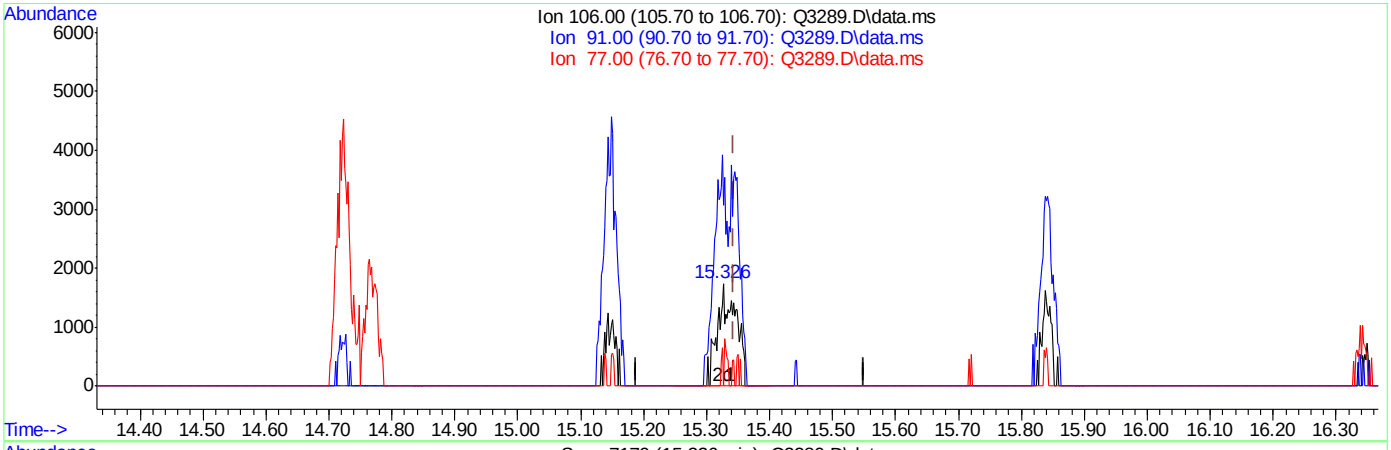
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	259.23#
77.00	31.20	0.00#
0.00	0.00	0.00

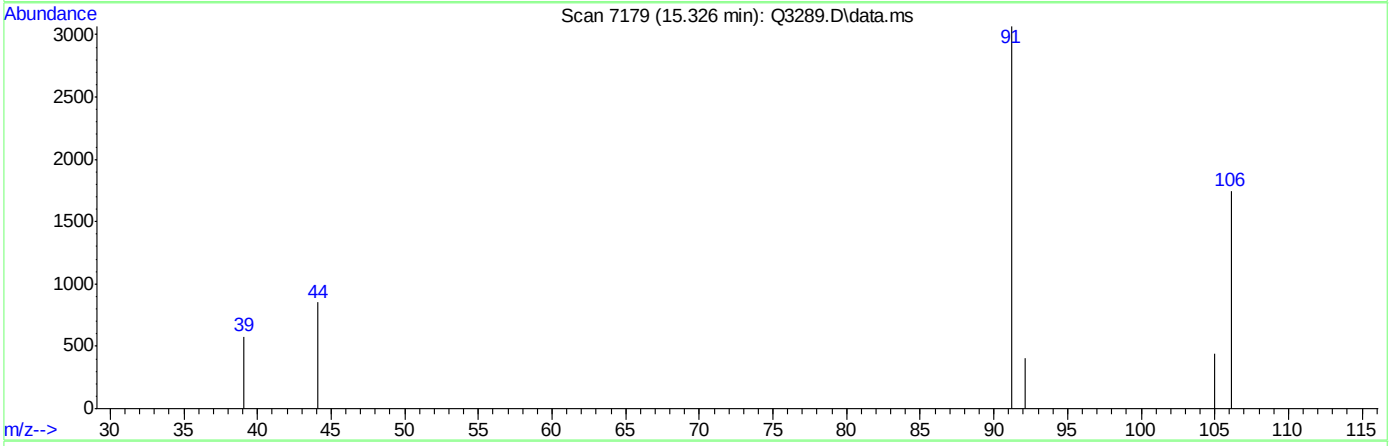
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3289.D
Acq On : 26 Apr 2007 5:42 pm
Operator : PhilipB
Sample : IC77-.2 (D025)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 18:07:47 2007
Quant Method : C:\msdchem\1\METHODS\Q042507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 17:28:22 2007
Response via : Initial Calibration





TIC: Q3289.D\data.ms

(56) m,p-XYLENE (m)

15.326min (-0.018) 0.22PPBV m

response 3537

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	175.56
77.00	31.20	0.00#
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3290.D
Acq On : 26 Apr 2007 6:32 pm
Operator : PhilipB
Sample : IC177-10 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 09:15:32 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 18:12:58 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	94169	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	487039	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	430357	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.343	95	198475	5.51	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 110.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	453139	11.37	PPBV	96
3) PROPYLENE	3.971	41	130045	14.95	PPBV	96
4) FREON 114	4.301	85	457532	14.04	PPBV	86
5) CHLOROMETHANE	4.204	50	157382	18.46	PPBV	93
6) VINYL CHLORIDE	4.431	62	161001	16.15	PPBV	99
7) 1,3-BUTADIENE	4.562	39	156582	17.86	PPBV	83
8) BROMOMETHANE	4.841	94	139810	11.61	PPBV	98
9) CHLOROETHANE	5.017	64	72174	12.65	PPBV	93
10) TRICHLOROFLUOROMETHANE	5.801	101	480006	9.39	PPBV	100
11) ISOPROPYL ALCOHOL	5.835	45	273134	11.46	PPBV	98
12) ACETONE	5.608	43	245895	11.49	PPBV	94
13) PENTANE	6.152	42	163898	12.55	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.440	96	135839	9.07	PPBV #	68
15) CARBON DISULFIDE	6.869	76	418219	9.67	PPBV	94
16) ETHANOL	5.107	45	47146	13.13	PPBV #	51
17) BROMOETHENE	5.375	106	126604	8.56	PPBV #	95
18) METHYLENE CHLORIDE	6.550	84	128585	9.36	PPBV	75
19) 3-CHLOROPROPENE	6.667	39	138096	9.08	PPBV	89
20) FREON 113	6.811	151	210804	8.42	PPBV #	69
21) TRANS-1,2-DICHLOROETHY...	7.478	96	139149	10.73	PPBV #	84
22) TERTIARY BUTYL ALCOHOL	6.436	59	323215	10.53	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.720	73	298230	8.40	PPBV	82
24) TETRAHYDROFURAN	9.152	42	164904	10.51	PPBV	77
25) HEXANE	8.678	57	213695	9.02	PPBV	89
26) VINYL ACETATE	7.799	43	354469	10.01	PPBV	91
27) 1,1-DICHLOROETHANE	7.673	63	264641	8.96	PPBV	97
28) METHYL ETHYL KETONE	8.041	43	317995	9.59	PPBV	88
29) cis-1,2-DICHLOROETHYLENE	8.483	96	96529	8.68	PPBV #	68
30) ETHYL ACETATE	8.673	43	532777	9.78	PPBV	97
31) CHLOROFORM	8.767	83	298249	8.82	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.720	97	278113	8.70	PPBV	92
33) CARBON TETRACHLORIDE	10.305	117	306274	9.02	PPBV	99
34) 1,2-DICHLOROETHANE	9.477	62	201609	8.81	PPBV	99
36) BENZENE	10.165	78	309644	8.69	PPBV	94
37) CYCLOHEXANE	10.428	84	132391	8.93	PPBV #	69
38) TRICHLOROETHYLENE	11.159	95	156352	9.08	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.937	63	135580	12.97	PPBV	91
40) BROMODICHLOROMETHANE	11.122	83	277150	9.13	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.184	57	680067	10.02	PPBV #	93
42) 1,4-DIOXANE	11.145	88	50832	9.30	PPBV #	76
43) HEPTANE	11.420	43	294628	10.79	PPBV	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3290.D
Acq On : 26 Apr 2007 6:32 pm
Operator : PhilipB
Sample : IC177-10 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 09:15:32 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 18:12:58 2007
Response via : Initial Calibration

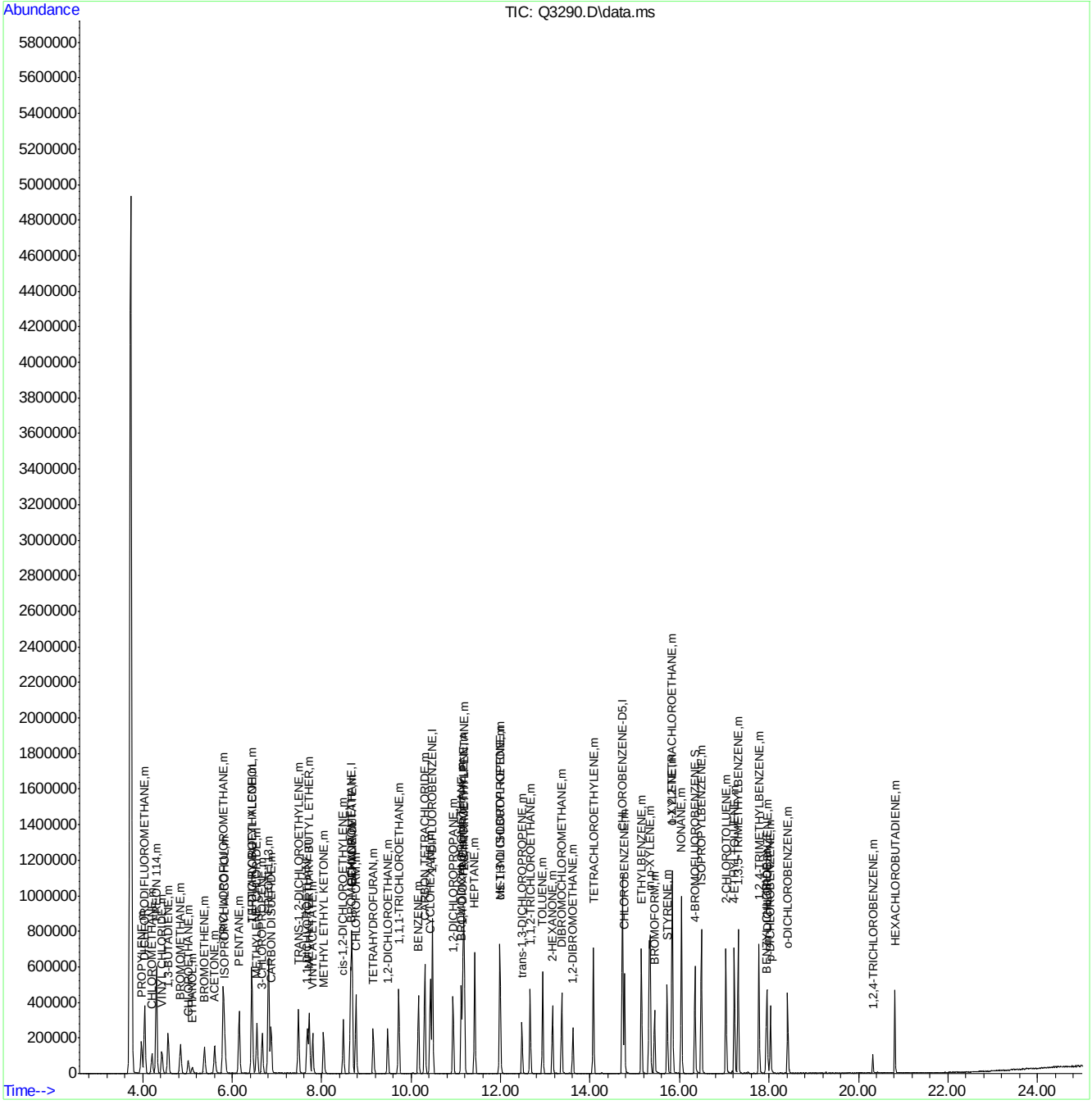
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	371270	10.83	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.977	75	178351	9.37	PPBV	#	76
46) TOLUENE	12.939	92	187668	8.70	PPBV		97
47) trans-1,3-DICHLOROPROPENE	12.478	75	124704	9.11	PPBV	#	82
48) 1,1,2-TRICHLOROETHANE	12.659	83	114937	9.13	PPBV		90
50) 2-HEXANONE	13.161	43	282711	11.01	PPBV		89
51) TETRACHLOROETHYLENE	14.073	164	97195	8.31	PPBV	#	82
52) DIBROMOCHLOROMETHANE	13.367	129	188758	8.49	PPBV		99
53) 1,2-DIBROMOETHANE	13.615	107	155761	8.74	PPBV		97
54) CHLOROBENZENE	14.767	112	205147	8.24	PPBV	#	83
55) ETHYLBENZENE	15.147	91	444969	9.27	PPBV		95
56) m,p-XYLENE	15.342	106	300505m	18.48	PPBV		
57) o-XYLENE	15.841	106	154476	9.56	PPBV	#	83
58) STYRENE	15.722	104	182653	9.42	PPBV		92
59) NONANE	16.043	43	412270	15.09	PPBV		88
60) BROMOFORM	15.438	173	127162	7.33	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	304748	10.42	PPBV		99
63) ISOPROPYLBENZENE	16.487	105	472593	9.52	PPBV		93
64) 2-CHLOROTOLUENE	17.037	91	358446	9.93	PPBV		88
65) 4-ETHYLTOLUENE	17.225	105	361026	9.92	PPBV		95
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	369441	9.64	PPBV		94
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	337165	9.87	PPBV		94
68) m-DICHLOROBENZENE	17.955	146	124925	8.84	PPBV		93
69) BENZYL CHLORIDE	17.935	91	154806	9.16	PPBV		91
70) p-DICHLOROBENZENE	18.033	146	108351	8.17	PPBV		94
71) o-DICHLOROBENZENE	18.416	146	120670	8.08	PPBV		92
72) HEXACHLOROBUTADIENE	20.814	225	41444	7.77	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.324	180	17338	7.90	PPBV		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3290.D
Acq On : 26 Apr 2007 6:32 pm
Operator : PhilipB
Sample : IC177-10 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 1 Sample Multiplier: 1

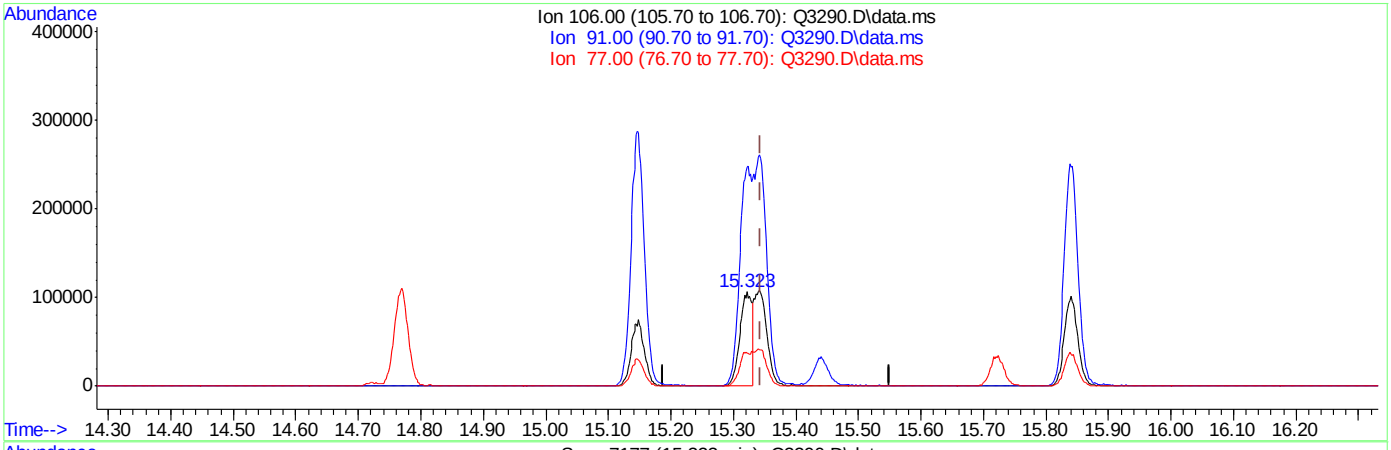
Quant Time: Apr 27 09:15:32 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 18:12:58 2007
Response via : Initial Calibration

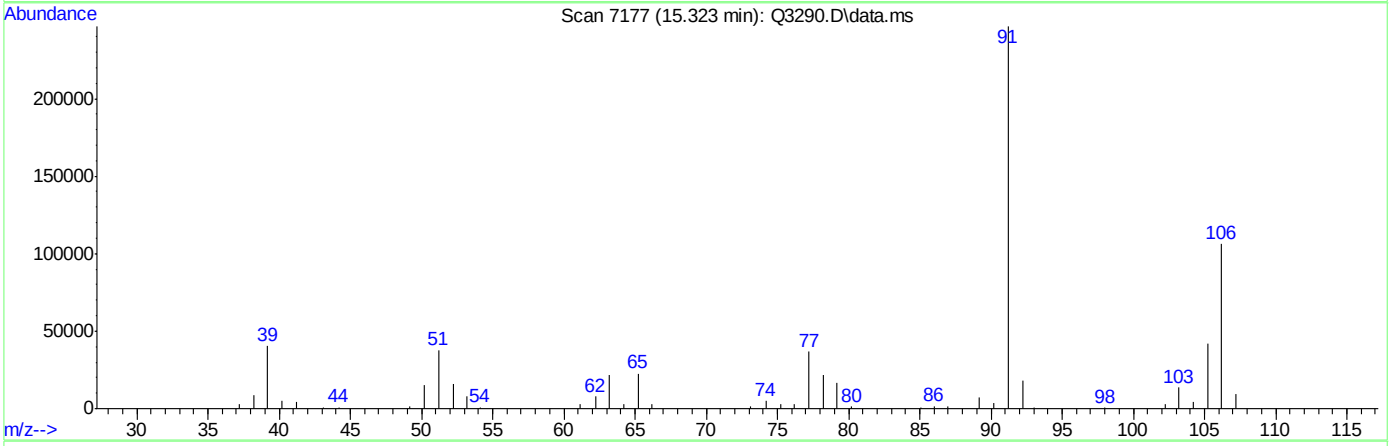


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3290.D
Acq On : 26 Apr 2007 6:32 pm
Operator : PhilipB
Sample : IC177-10 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 09:15:06 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 18:12:58 2007
Response via : Initial Calibration





TIC: Q3290.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 9.10PPBV

response 147995

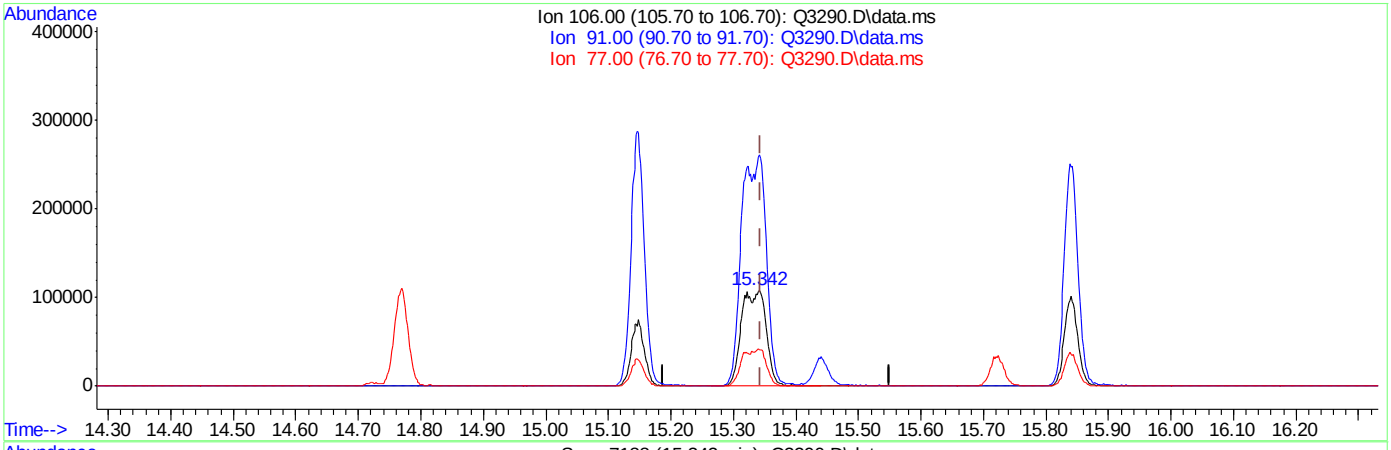
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	232.05
77.00	31.20	34.51
0.00	0.00	0.00

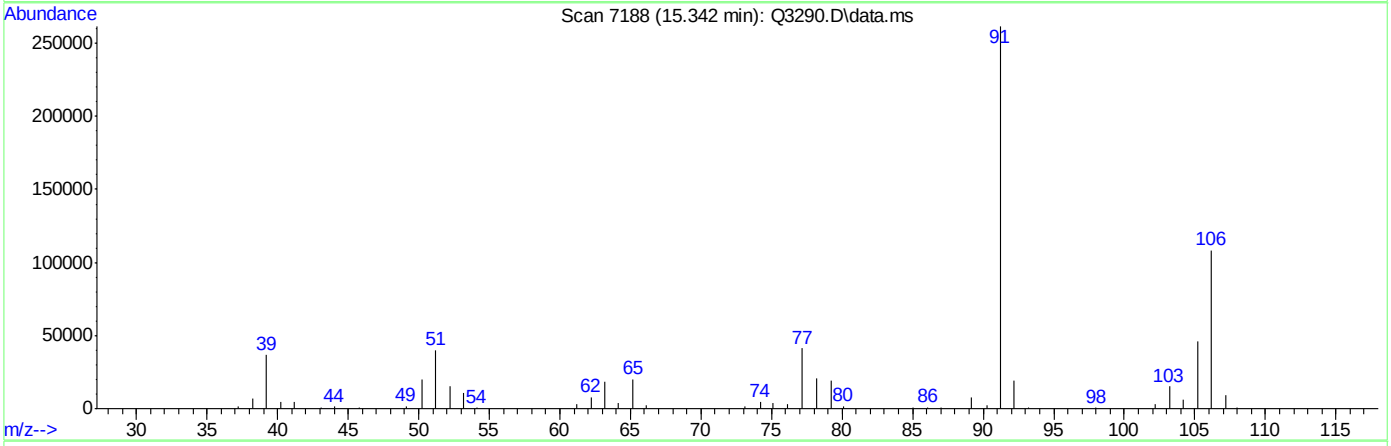
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3290.D
Acq On : 26 Apr 2007 6:32 pm
Operator : PhilipB
Sample : IC177-10 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 09:15:06 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 18:12:58 2007
Response via : Initial Calibration





TIC: Q3290.D\data.ms

(56) m,p-XYLENE (m)

15.342min (-0.002) 18.48PPBV m

response 300505

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	241.23
77.00	31.20	38.08#
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3291.D
Acq On : 27 Apr 2007 9:55 am
Operator : PhilipB
Sample : IC177-5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 10:30:09 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:16:04 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	93603	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	486044	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	400541	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.339	95	163436	4.87	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 97.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.045	85	283916	6.46	PPBV	97
3) PROPYLENE	3.974	41	75579	7.50	PPBV	96
4) FREON 114	4.310	85	268652	7.81	PPBV	87
5) CHLOROMETHANE	4.214	50	92237	10.74	PPBV	99
6) VINYL CHLORIDE	4.431	62	96626	9.29	PPBV	98
7) 1,3-BUTADIENE	4.569	39	84268	9.35	PPBV	86
8) BROMOMETHANE	4.849	94	80528	6.65	PPBV	98
9) CHLOROETHANE	5.018	64	39862	6.81	PPBV	89
10) TRICHLOROFLUOROMETHANE	5.804	101	257613	5.14	PPBV	99
11) ISOPROPYL ALCOHOL	5.842	45	152506	6.10	PPBV	97
12) ACETONE	5.607	43	134416	5.89	PPBV	95
13) PENTANE	6.157	42	106773	7.71	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.443	96	58738	4.23	PPBV #	38
15) CARBON DISULFIDE	6.871	76	220263	5.24	PPBV	91
16) ETHANOL	5.110	45	27556	6.92	PPBV #	51
17) BROMOETHENE	5.378	106	68787	5.00	PPBV #	97
18) METHYLENE CHLORIDE	6.553	84	64876	4.74	PPBV	52
19) 3-CHLOROPROPENE	6.674	39	82392	5.36	PPBV #	80
20) FREON 113	6.816	151	74451	3.05	PPBV #	42
21) TRANS-1,2-DICHLOROETHY...	7.483	96	53648	4.17	PPBV #	49
22) TERTIARY BUTYL ALCOHOL	6.445	59	154868	4.53	PPBV	90
23) METHYL TERTIARY BUTYL ...	7.719	73	178997	5.18	PPBV	85
24) TETRAHYDROFURAN	9.150	42	90093	5.66	PPBV	79
25) HEXANE	8.681	57	116221	4.90	PPBV	92
26) VINYL ACETATE	7.796	43	193812	5.27	PPBV	92
27) 1,1-DICHLOROETHANE	7.675	63	144696	4.89	PPBV	97
28) METHYL ETHYL KETONE	8.039	43	170682	5.13	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.481	96	52838	4.77	PPBV #	72
30) ETHYL ACETATE	8.671	43	282837	5.13	PPBV	96
31) CHLOROFORM	8.763	83	161931	4.81	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.719	97	149099	4.68	PPBV	92
33) CARBON TETRACHLORIDE	10.309	117	156825	4.62	PPBV	99
34) 1,2-DICHLOROETHANE	9.473	62	112594	4.93	PPBV	97
36) BENZENE	10.160	78	176285	4.91	PPBV	95
37) CYCLOHEXANE	10.428	84	75187	5.08	PPBV #	72
38) TRICHLOROETHYLENE	11.161	95	78297	4.54	PPBV #	83
39) 1,2-DICHLOROPROPANE	10.935	63	77648	7.13	PPBV	91
40) BROMODICHLOROMETHANE	11.118	83	147510	4.82	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.184	57	365528	5.23	PPBV	94
42) 1,4-DIOXANE	11.146	88	27066	4.95	PPBV #	82
43) HEPTANE	11.420	43	153163	5.38	PPBV	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3291.D
Acq On : 27 Apr 2007 9:55 am
Operator : PhilipB
Sample : IC177-5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 10:30:09 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:16:04 2007
Response via : Initial Calibration

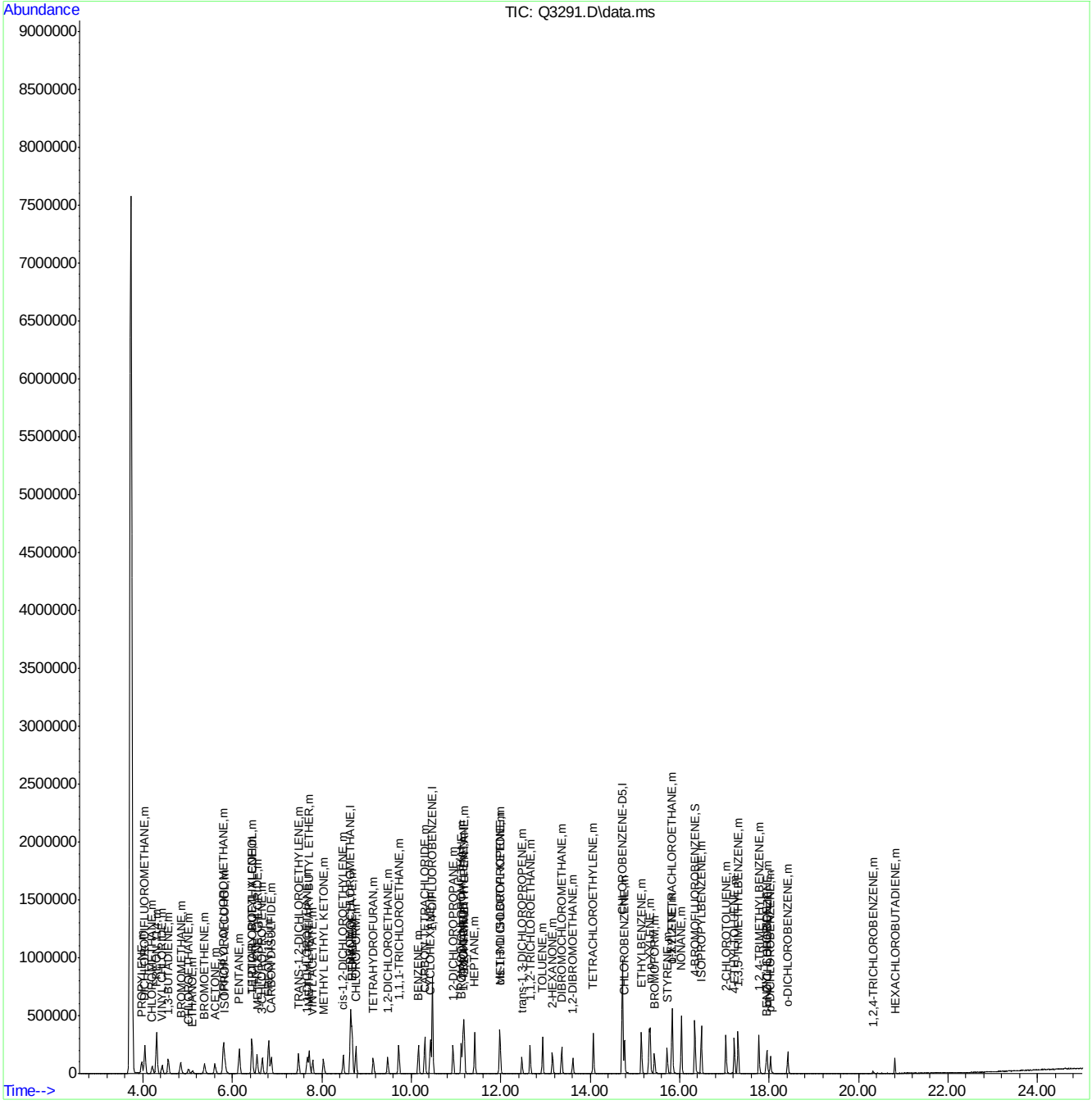
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	188952	5.32	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.975	75	93584	4.89	PPBV #	79
46) TOLUENE	12.939	92	103918	4.83	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.472	75	62066	4.53	PPBV	84
48) 1,1,2-TRICHLOROETHANE	12.657	83	62919	4.96	PPBV	89
50) 2-HEXANONE	13.157	43	137313	5.55	PPBV	89
51) TETRACHLOROETHYLENE	14.071	164	48209	4.59	PPBV #	81
52) DIBROMOCHLOROMETHANE	13.363	129	97182	4.77	PPBV	99
53) 1,2-DIBROMOETHANE	13.613	107	78403	4.75	PPBV	99
54) CHLOROBENZENE	14.767	112	107327	4.67	PPBV	83
55) ETHYLBENZENE	15.145	91	229938	5.14	PPBV	95
56) m,p-XYLENE	15.340	106	154720m	10.26	PPBV	
57) o-XYLENE	15.837	106	78566	5.28	PPBV #	84
58) STYRENE	15.722	104	86524	4.85	PPBV	93
59) NONANE	16.041	43	210857	7.39	PPBV	87
60) BROMOFORM	15.438	173	63137	4.08	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	142246	5.18	PPBV	98
63) ISOPROPYLBENZENE	16.487	105	240104	5.24	PPBV	93
64) 2-CHLOROTOLUENE	17.037	91	172398	5.11	PPBV	88
65) 4-ETHYLTOLUENE	17.223	105	166632	4.95	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	177800	5.04	PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	154299	4.90	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	52070	4.08	PPBV	92
69) BENZYL CHLORIDE	17.930	91	62883	4.08	PPBV	91
70) p-DICHLOROBENZENE	18.031	146	44713	3.75	PPBV	93
71) o-DICHLOROBENZENE	18.419	146	52950	3.96	PPBV	94
72) HEXACHLOROBUTADIENE	20.814	225	11890	2.72	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.327	180	4277	2.30	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3291.D
Acq On : 27 Apr 2007 9:55 am
Operator : PhilipB
Sample : IC177-5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 10:30:09 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:16:04 2007
Response via : Initial Calibration

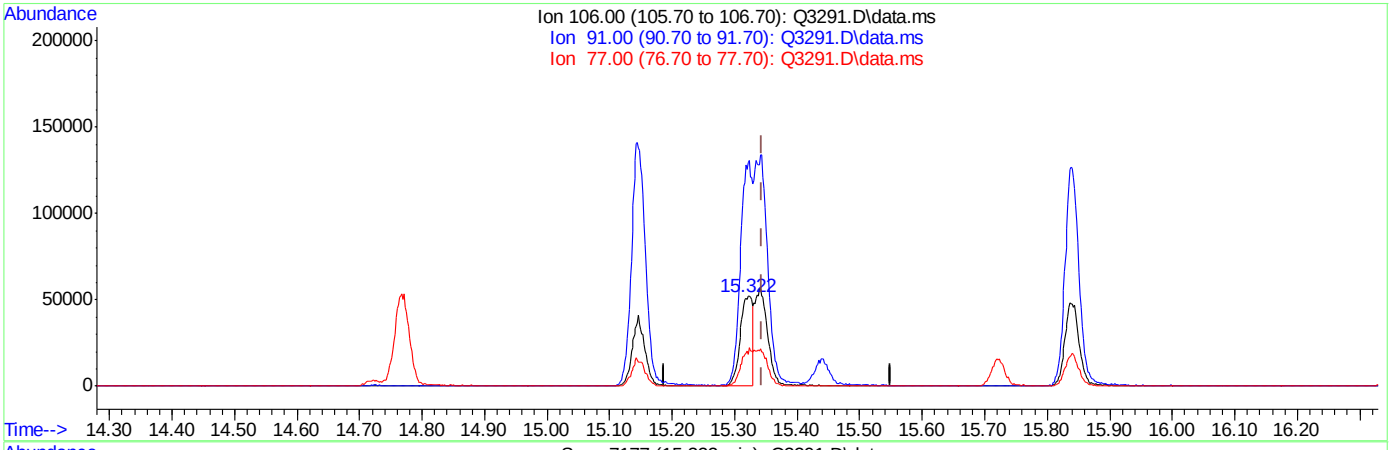


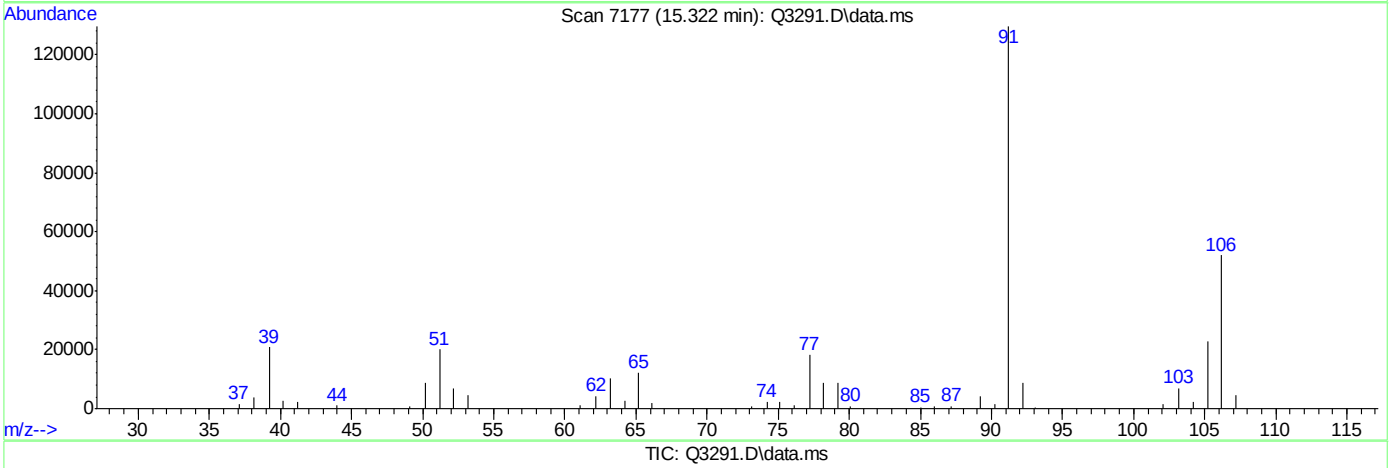
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3291.D
Acq On : 27 Apr 2007 9:55 am
Operator : PhilipB
Sample : IC177-5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 10:29:27 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:16:04 2007
Response via : Initial Calibration





TIC: Q3291.D\data.ms

(56) m,p-XYLENE (m)

15.322min (-0.021) 4.81PPBV

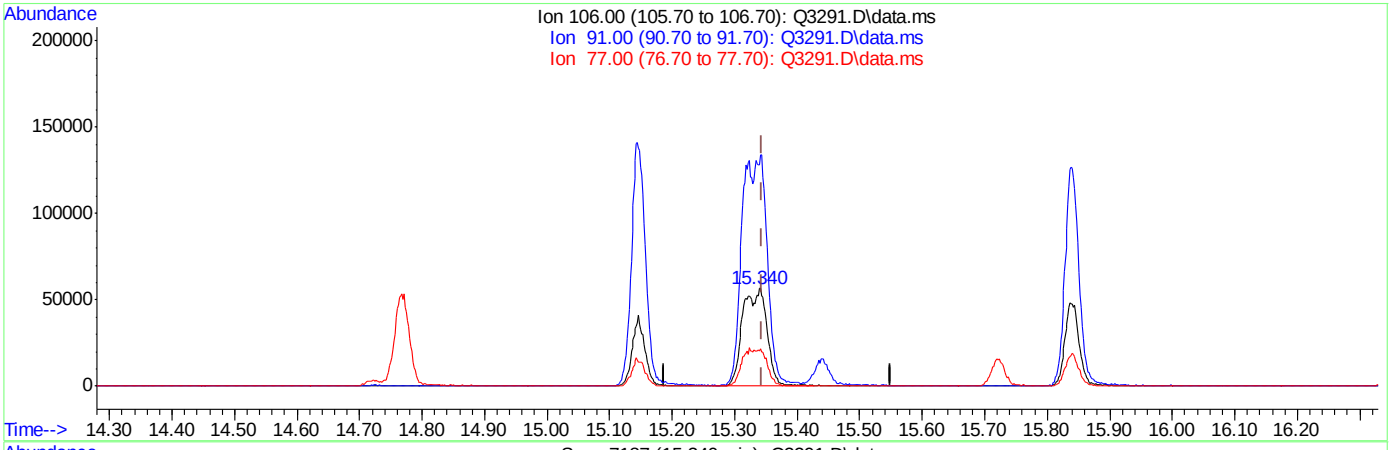
response 72584

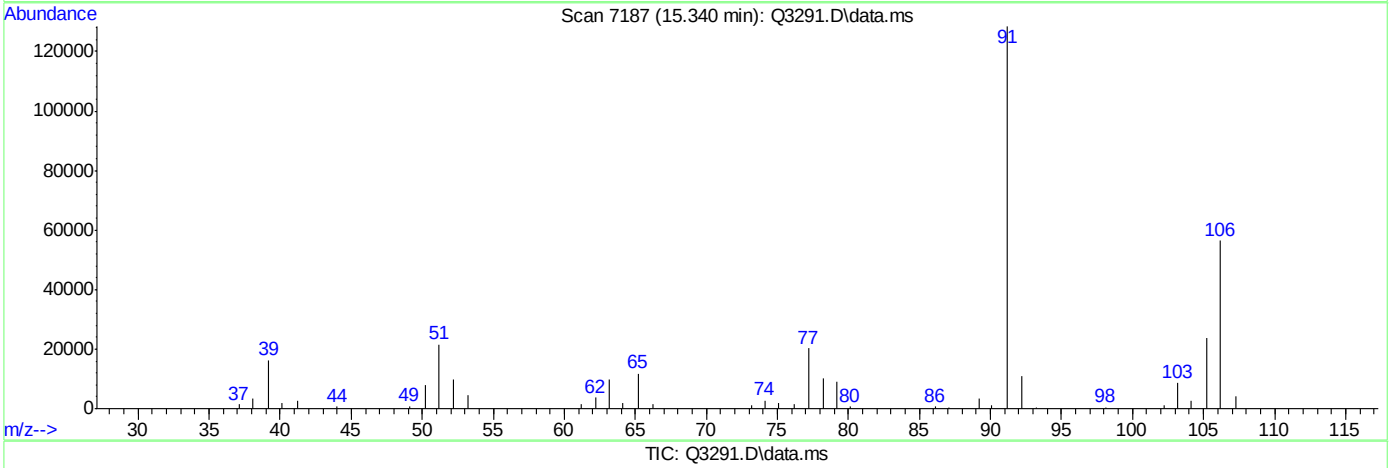
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	249.48
77.00	31.20	34.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3291.D
Acq On : 27 Apr 2007 9:55 am
Operator : PhilipB
Sample : IC177-5 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 10:29:27 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:16:04 2007
Response via : Initial Calibration





TIC: Q3291.D\data.ms

(56) m,p-XYLENE (m)

15.340min (-0.004) 10.26PPBV m

response 154720

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	227.44
77.00	31.20	35.95
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3292.D
Acq On : 27 Apr 2007 11:23 am
Operator : PhilipB
Sample : IC177-20 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:02:50 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 10:30:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.646	128	100451	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.477	114	509190	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	461904	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	213905	5.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 110.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	1102200	22.10	PPBV	97
3) PROPYLENE	3.969	41	307836	23.60	PPBV	92
4) FREON 114	4.303	85	1028737	23.49	PPBV	87
5) CHLOROMETHANE	4.204	50	347395	25.89	PPBV	95
6) VINYL CHLORIDE	4.427	62	370102	25.18	PPBV	99
7) 1,3-BUTADIENE	4.566	39	333940	25.72	PPBV	87
8) BROMOMETHANE	4.841	94	320937	21.95	PPBV	98
9) CHLOROETHANE	5.015	64	158368	21.67	PPBV	94
10) TRICHLOROFLUOROMETHANE	5.799	101	1100768	20.05	PPBV	99
11) ISOPROPYL ALCOHOL	5.828	45	570178	22.42	PPBV	99
12) ACETONE	5.602	43	499078	21.52	PPBV	96
13) PENTANE	6.152	42	351217	22.96	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.436	96	322662	19.88	PPBV #	81
15) CARBON DISULFIDE	6.869	76	967300	20.72	PPBV	96
16) ETHANOL	5.102	45	103768	23.59	PPBV	92
17) BROMOETHENE	5.377	106	305075	18.78	PPBV	98
18) METHYLENE CHLORIDE	6.546	84	283427	19.26	PPBV	82
19) 3-CHLOROPROPENE	6.667	39	305266	17.68	PPBV	91
20) FREON 113	6.805	151	504723	19.83	PPBV #	75
21) TRANS-1,2-DICHLOROETHY...	7.478	96	320861	23.58	PPBV #	85
22) TERTIARY BUTYL ALCOHOL	6.436	59	679308	29.70	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.718	73	682600	18.02	PPBV	85
24) TETRAHYDROFURAN	9.146	42	368254	20.66	PPBV	78
25) HEXANE	8.681	57	484291	18.42	PPBV	93
26) VINYL ACETATE	7.799	43	738177	18.01	PPBV	92
27) 1,1-DICHLOROETHANE	7.673	63	611497	18.75	PPBV	97
28) METHYL ETHYL KETONE	8.041	43	676519	18.33	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.481	96	242472	19.90	PPBV #	73
30) ETHYL ACETATE	8.674	43	1172027	19.13	PPBV	98
31) CHLOROFORM	8.765	83	708233	19.09	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.720	97	663018	19.01	PPBV	92
33) CARBON TETRACHLORIDE	10.307	117	715125	19.30	PPBV	100
34) 1,2-DICHLOROETHANE	9.475	62	454193	18.07	PPBV	99
36) BENZENE	10.163	78	725482	18.73	PPBV	95
37) CYCLOHEXANE	10.428	84	307928	19.28	PPBV #	69
38) TRICHLOROETHYLENE	11.159	95	384217	20.87	PPBV	85
39) 1,2-DICHLOROPROPANE	10.939	63	312643	23.35	PPBV	90
40) BROMODICHLOROMETHANE	11.122	83	675115	20.56	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.184	57	1598083	21.01	PPBV	94
42) 1,4-DIOXANE	11.145	88	129371	22.13	PPBV #	78
43) HEPTANE	11.420	43	639952	20.64	PPBV	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3292.D
Acq On : 27 Apr 2007 11:23 am
Operator : PhilipB
Sample : IC177-20 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:02:50 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 10:30:34 2007
Response via : Initial Calibration

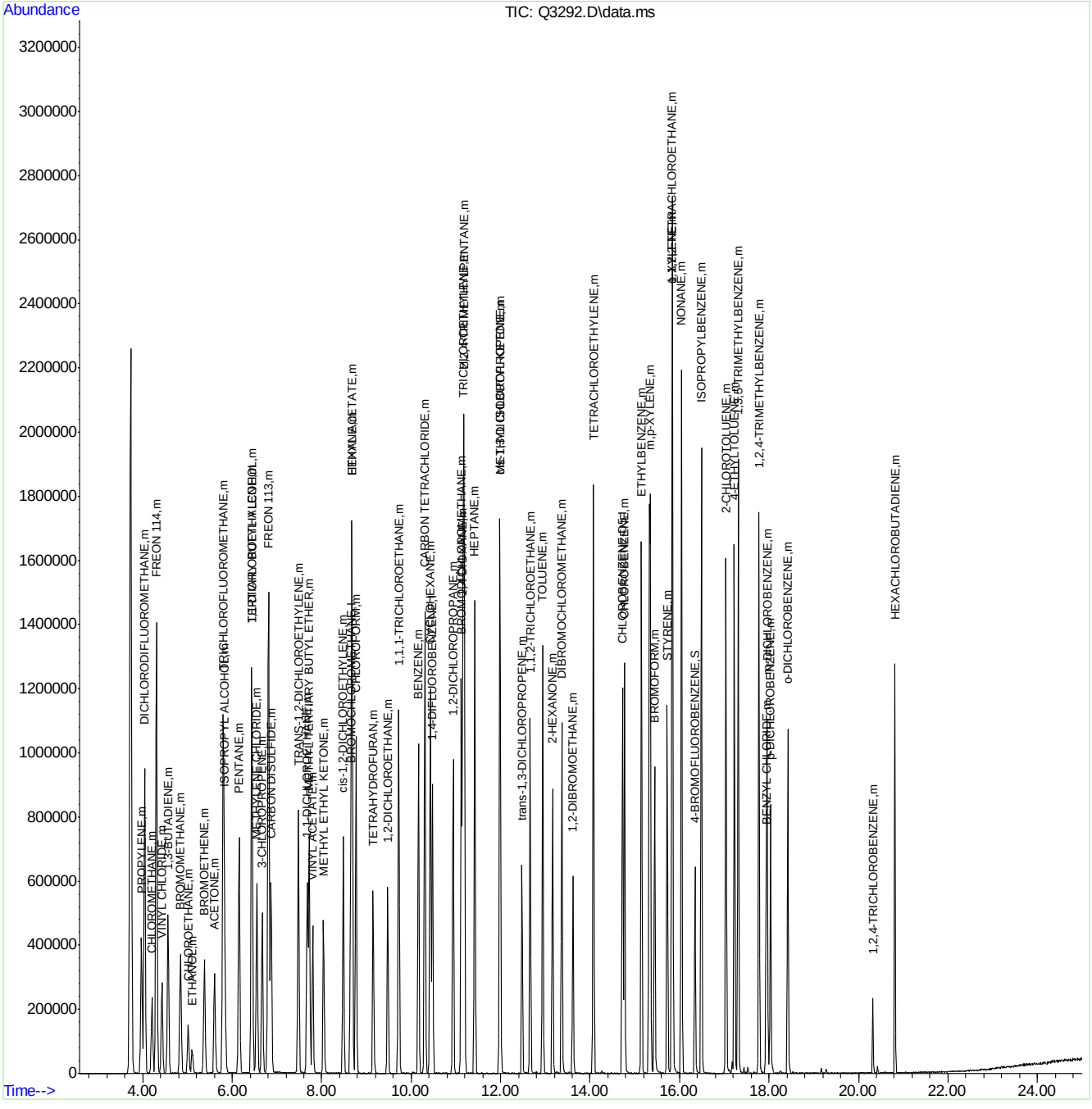
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	849423	22.18 PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.979	75	426230	20.79 PPBV #	82
46) TOLUENE	12.939	92	435210	18.87 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.478	75	288775	19.85 PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.659	83	269703	19.76 PPBV	91
50) 2-HEXANONE	13.159	43	637002	21.56 PPBV	92
51) TETRACHLOROETHYLENE	14.073	164	265424	21.47 PPBV	85
52) DIBROMOCHLOROMETHANE	13.369	129	455525	18.95 PPBV	99
53) 1,2-DIBROMOETHANE	13.617	107	367299	18.89 PPBV	98
54) CHLOROBENZENE	14.769	112	470358	17.39 PPBV	83
55) ETHYLBENZENE	15.149	91	1029891	19.38 PPBV	96
56) m,p-XYLENE	15.344	106	709643m	39.63 PPBV	
57) o-XYLENE	15.843	106	379457	21.38 PPBV	89
58) STYRENE	15.722	104	431658	20.62 PPBV	93
59) NONANE	16.043	43	899297	27.04 PPBV	90
60) BROMOFORM	15.441	173	346591	19.08 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	737423	22.60 PPBV	99
63) ISOPROPYLBENZENE	16.489	105	1105632	20.27 PPBV	94
64) 2-CHLOROTOLUENE	17.037	91	817759	20.34 PPBV	89
65) 4-ETHYLTOLUENE	17.225	105	858897	21.63 PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	878792	21.05 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	788265	21.26 PPBV	95
68) m-DICHLOROBENZENE	17.958	146	290155	19.60 PPBV	94
69) BENZYL CHLORIDE	17.933	91	370710	20.73 PPBV	93
70) p-DICHLOROBENZENE	18.033	146	233229	17.04 PPBV	94
71) o-DICHLOROBENZENE	18.418	146	294771	18.98 PPBV	94
72) HEXACHLOROBUTADIENE	20.812	225	119479	25.07 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.322	180	36530	18.23 PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3292.D
Acq On : 27 Apr 2007 11:23 am
Operator : PhilipB
Sample : IC177-20 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

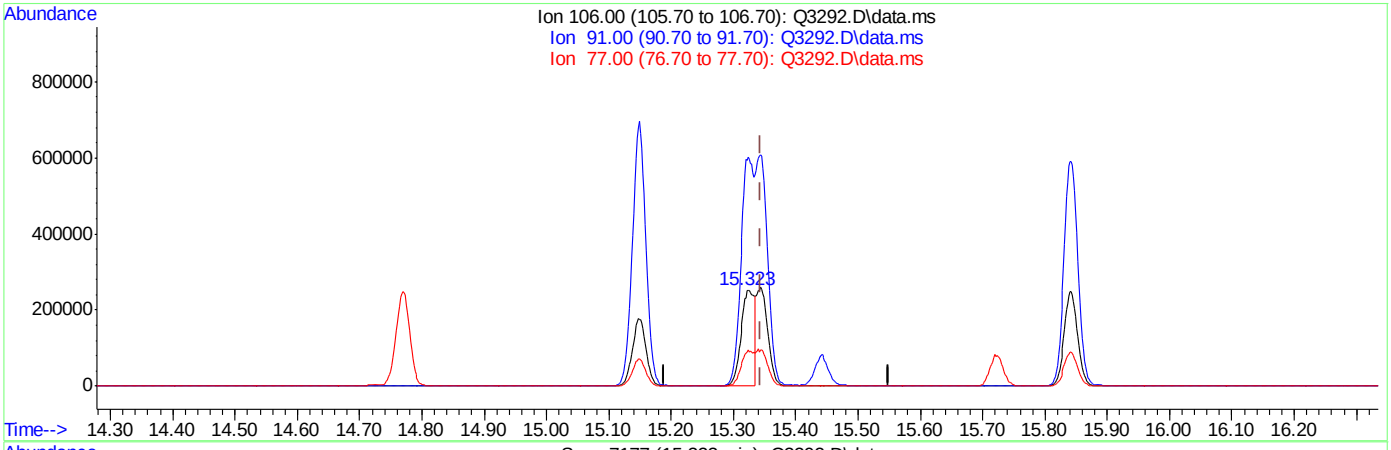
Quant Time: Apr 27 12:02:50 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 10:30:34 2007
Response via : Initial Calibration

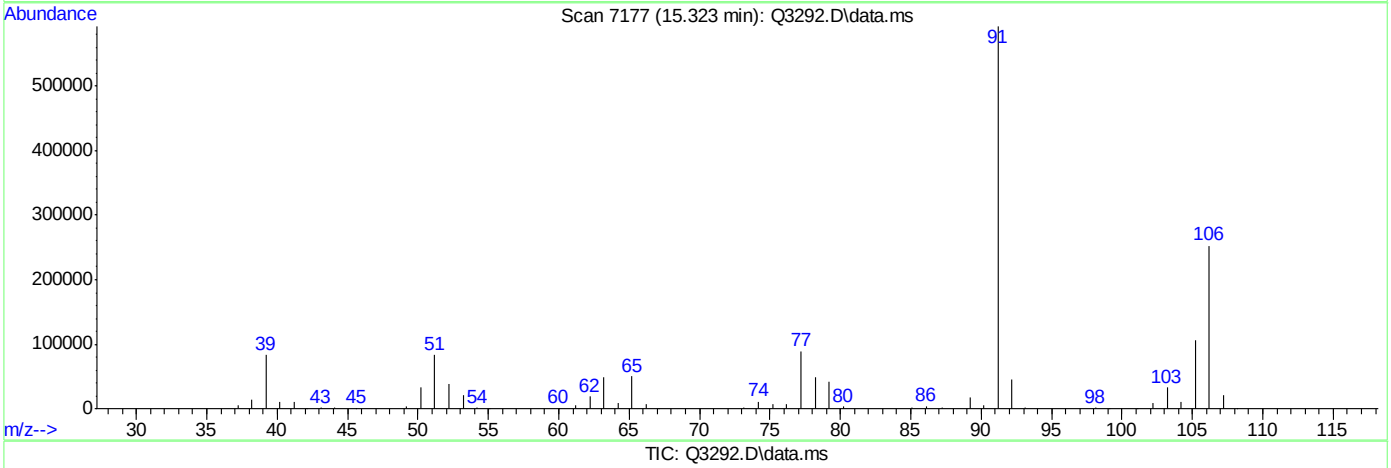


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3292.D
Acq On : 27 Apr 2007 11:23 am
Operator : PhilipB
Sample : IC177-20 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:02:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 10:30:34 2007
Response via : Initial Calibration





TIC: Q3292.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 21.33PPBV

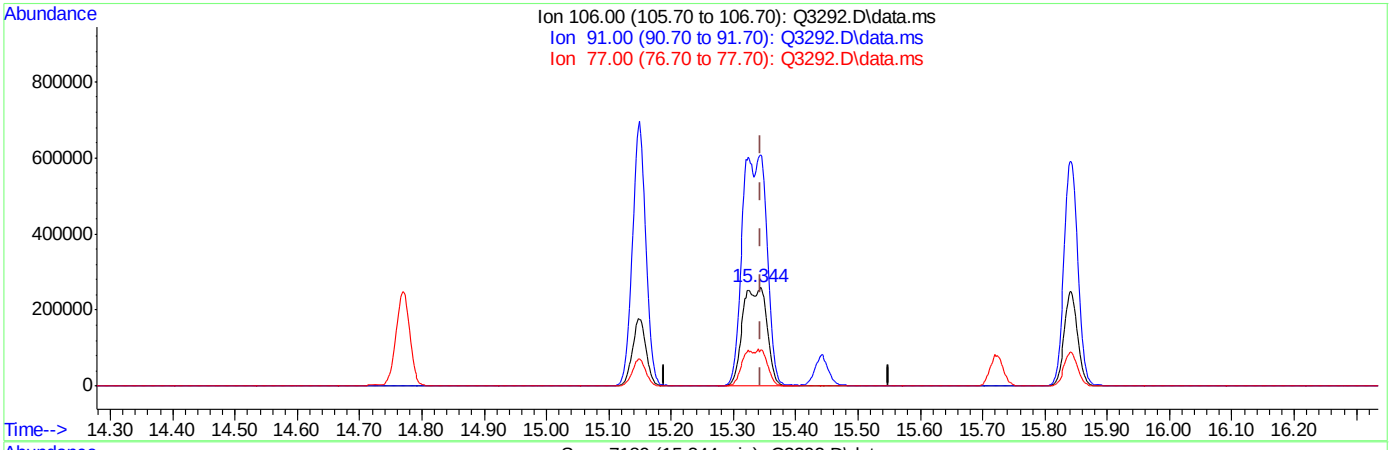
response 381928

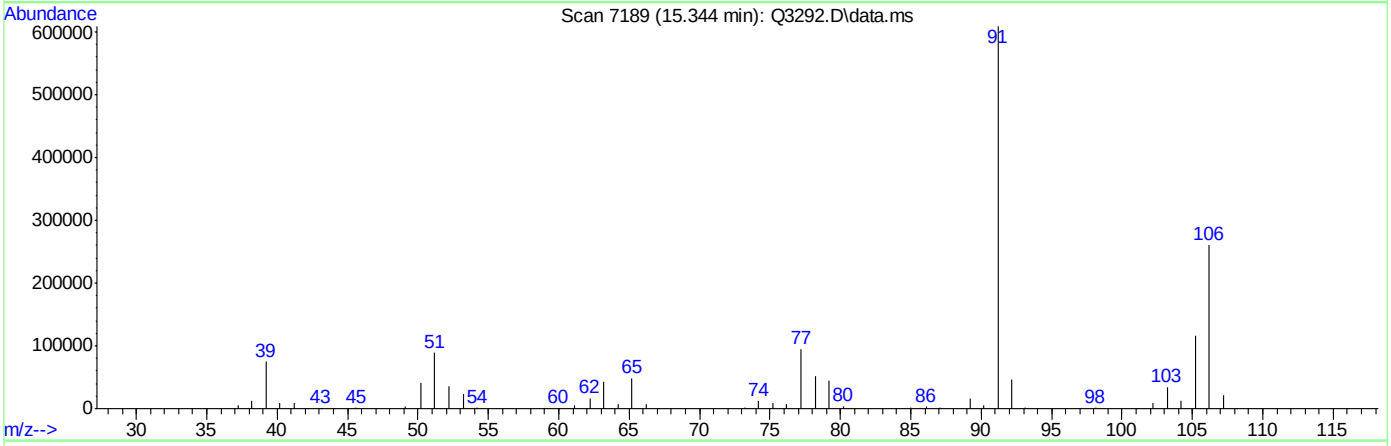
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	234.65
77.00	31.20	35.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3292.D
Acq On : 27 Apr 2007 11:23 am
Operator : PhilipB
Sample : IC177-20 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:02:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 10:30:34 2007
Response via : Initial Calibration





TIC: Q3292.D\data.ms

(56) m,p-XYLENE (m)

15.344min (+0.000) 39.63PPBV m

response 709643

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	233.64
77.00	31.20	36.38
0.00	0.00	0.00

Q3293.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3293.D
Acq On : 27 Apr 2007 1:39 pm
Operator : PhilipB
Sample : IC177-40 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 14:09:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:09:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.640	128	112992	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.476	114	562247	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.724	117	522648	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	239610	5.40	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 108.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	2588399	32.46	PPBV		98
3) PROPYLENE	3.966	41	655410	30.64	PPBV		96
4) FREON 114	4.298	85	2426868	32.32	PPBV		93
5) CHLOROMETHANE	4.198	50	747002	29.75	PPBV		99
6) VINYL CHLORIDE	4.424	62	810319	30.79	PPBV		100
7) 1,3-BUTADIENE	4.560	39	693556	30.11	PPBV		92
8) BROMOMETHANE	4.834	94	754073	33.62	PPBV		99
9) CHLOROETHANE	5.011	64	369672	37.13	PPBV		96
10) TRICHLOROFLUOROMETHANE	5.794	101	2438810	32.82	PPBV		99
11) ISOPROPYL ALCOHOL	5.827	45	1212068	29.46	PPBV		98
12) ACETONE	5.595	43	1089551	25.13	PPBV		97
13) PENTANE	6.147	42	733566	28.48	PPBV		95
14) 1,1-DICHLOROETHYLENE	6.431	96	728256	37.93	PPBV	#	85
15) CARBON DISULFIDE	6.862	76	2109973	33.91	PPBV		97
16) ETHANOL	5.091	45	218328	27.02	PPBV		92
17) BROMOETHENE	5.368	106	692706	35.05	PPBV		97
18) METHYLENE CHLORIDE	6.544	84	674535	20.80	PPBV		84
19) 3-CHLOROPROPENE	6.663	39	698246	35.26	PPBV		90
20) FREON 113	6.804	151	1199786	41.59	PPBV	#	81
21) TRANS-1,2-DICHLOROETHY...	7.474	96	690063	42.97	PPBV	#	84
22) TERTIARY BUTYL ALCOHOL	6.433	59	1514015	36.77	PPBV		99
23) METHYL TERTIARY BUTYL ...	7.712	73	1631567	37.98	PPBV		87
24) TETRAHYDROFURAN	9.143	42	803336	38.18	PPBV		81
25) HEXANE	8.676	57	1064671	34.78	PPBV		97
26) VINYL ACETATE	7.794	43	1761321	37.53	PPBV		92
27) 1,1-DICHLOROETHANE	7.670	63	1478774	39.66	PPBV		97
28) METHYL ETHYL KETONE	8.037	43	1550033	36.44	PPBV		92
29) cis-1,2-DICHLOROETHYLENE	8.479	96	586069	42.31	PPBV	#	77
30) ETHYL ACETATE	8.672	43	2446976	34.05	PPBV		98
31) CHLOROFORM	8.765	83	1672349	39.49	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.721	97	1637126	41.28	PPBV		95
33) CARBON TETRACHLORIDE	10.303	117	1777770	42.27	PPBV		99
34) 1,2-DICHLOROETHANE	9.475	62	1112171	38.62	PPBV		99
36) BENZENE	10.161	78	1896982	43.53	PPBV		96
37) CYCLOHEXANE	10.426	84	720712	40.20	PPBV	#	78
38) TRICHLOROETHYLENE	11.162	95	1004136	48.61	PPBV		89
39) 1,2-DICHLOROPROPANE	10.937	63	769907	42.04	PPBV		91
40) BROMODICHLOROMETHANE	11.122	83	1713298	46.17	PPBV		98
41) 2,2,4-TRIMETHYLPENTANE	11.185	57	3582952	40.83	PPBV		97
42) 1,4-DIOXANE	11.141	88	327046	49.43	PPBV	#	77
43) HEPTANE	11.421	43	1425586	39.65	PPBV		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3293.D
Acq On : 27 Apr 2007 1:39 pm
Operator : PhilipB
Sample : IC177-40 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 14:09:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:09:17 2007
Response via : Initial Calibration

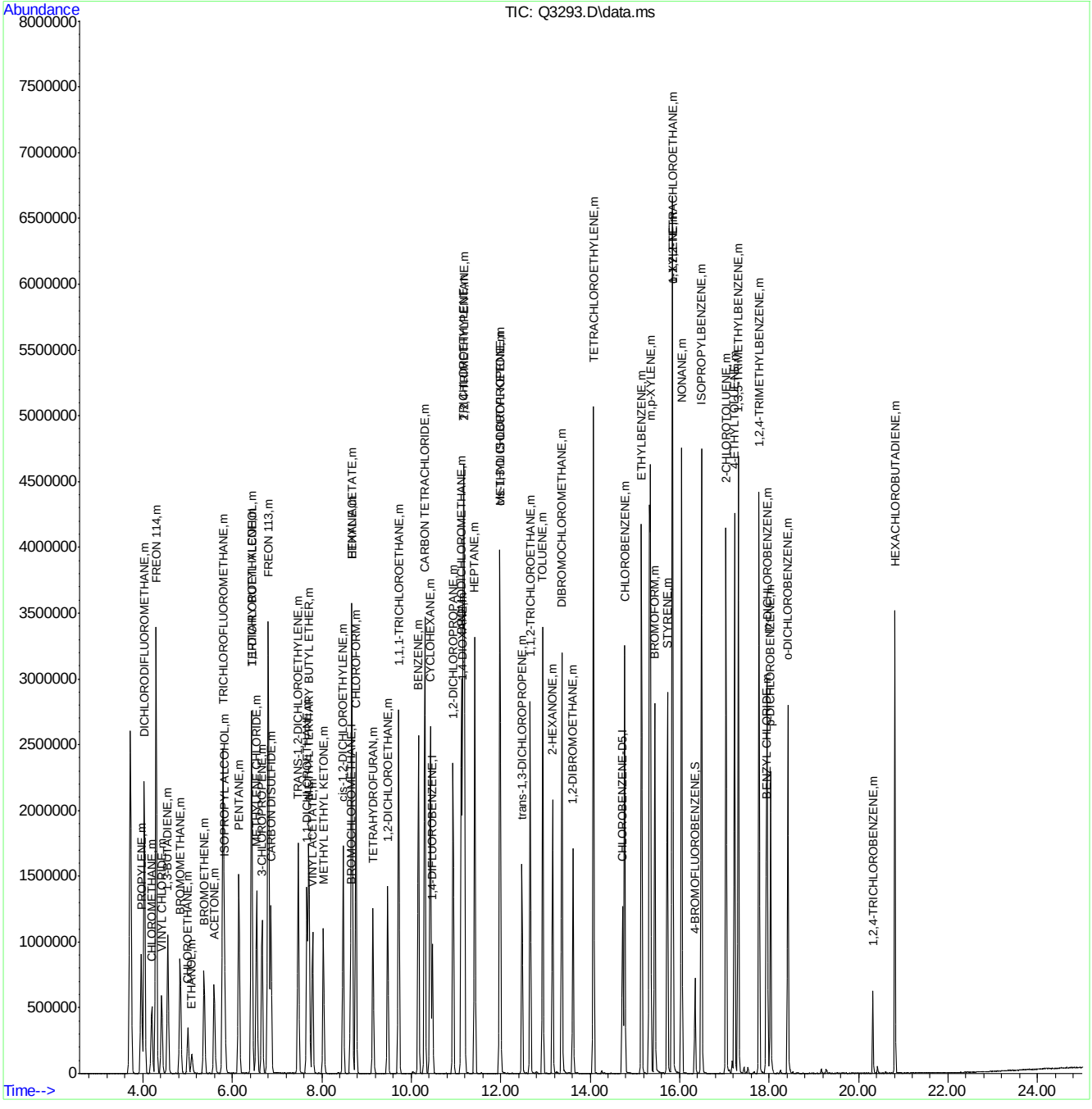
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	1811731	40.61 PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.979	75	1106949	47.99 PPBV	93
46) TOLUENE	12.941	92	1165402	45.39 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.477	75	735225	45.64 PPBV	89
48) 1,1,2-TRICHLOROETHANE	12.660	83	694881	45.38 PPBV	92
50) 2-HEXANONE	13.163	43	1487444	42.33 PPBV	94
51) TETRACHLOROETHYLENE	14.075	164	824669	60.72 PPBV	92
52) DIBROMOCHLOROMETHANE	13.368	129	1384651	51.53 PPBV	99
53) 1,2-DIBROMOETHANE	13.619	107	997335	45.26 PPBV	98
54) CHLOROBENZENE	14.770	112	1295567	42.56 PPBV	86
55) ETHYLBENZENE	15.150	91	2674272	43.80 PPBV	97
56) m,p-XYLENE	15.347	106	1920145m	93.92 PPBV	
57) o-XYLENE	15.844	106	1012598	49.61 PPBV	96
58) STYRENE	15.725	104	1142035	48.23 PPBV	95
59) NONANE	16.047	43	1910951	36.86 PPBV	95
60) BROMOFORM	15.445	173	1070636	53.69 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.835	83	1803971	46.94 PPBV	99
63) ISOPROPYLBENZENE	16.490	105	2829717	45.25 PPBV	97
64) 2-CHLOROTOLUENE	17.039	91	2079340	44.92 PPBV	93
65) 4-ETHYLTOLUENE	17.229	105	2264186	49.82 PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	2208396	46.41 PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	2084400	49.79 PPBV	97
68) m-DICHLOROBENZENE	17.960	146	832978	51.21 PPBV	96
69) BENZYL CHLORIDE	17.937	91	989654	49.57 PPBV	94
70) p-DICHLOROBENZENE	18.032	146	660054	44.79 PPBV	96
71) o-DICHLOROBENZENE	18.421	146	808591	47.24 PPBV	96
72) HEXACHLOROBUTADIENE	20.814	225	366305	65.72 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.320	180	103622	47.88 PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3293.D
Acq On : 27 Apr 2007 1:39 pm
Operator : PhilipB
Sample : IC177-40 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 14:09:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:09:17 2007
Response via : Initial Calibration

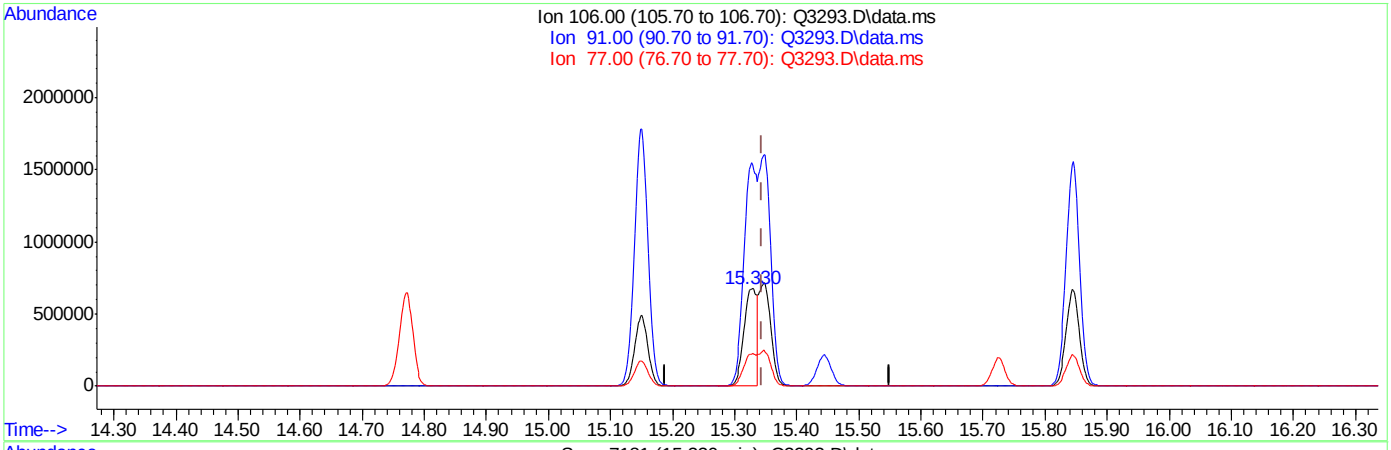


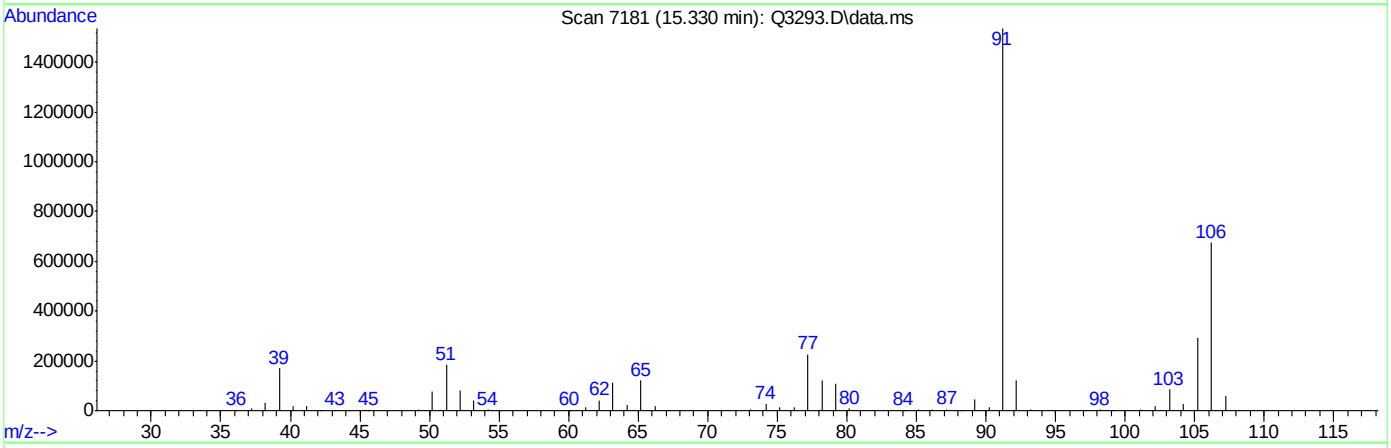
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3293.D
Acq On : 27 Apr 2007 1:39 pm
Operator : PhilipB
Sample : IC177-40 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 14:09:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:09:17 2007
Response via : Initial Calibration





TIC: Q3293.D\data.ms

(56) m,p-XYLENE (m)

15.330min (-0.014) 47.37PPBV

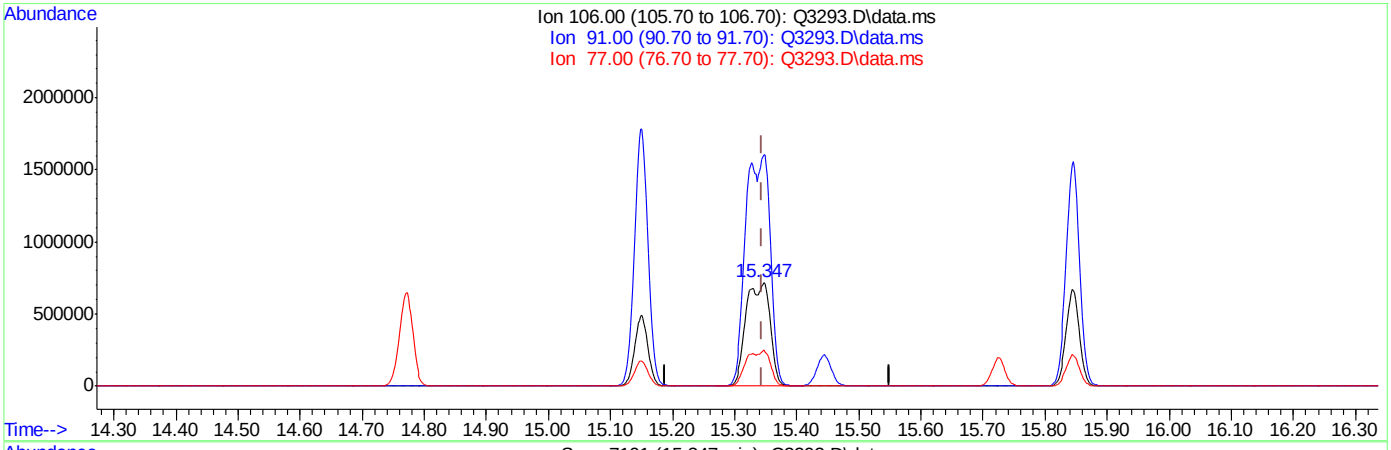
response 968448

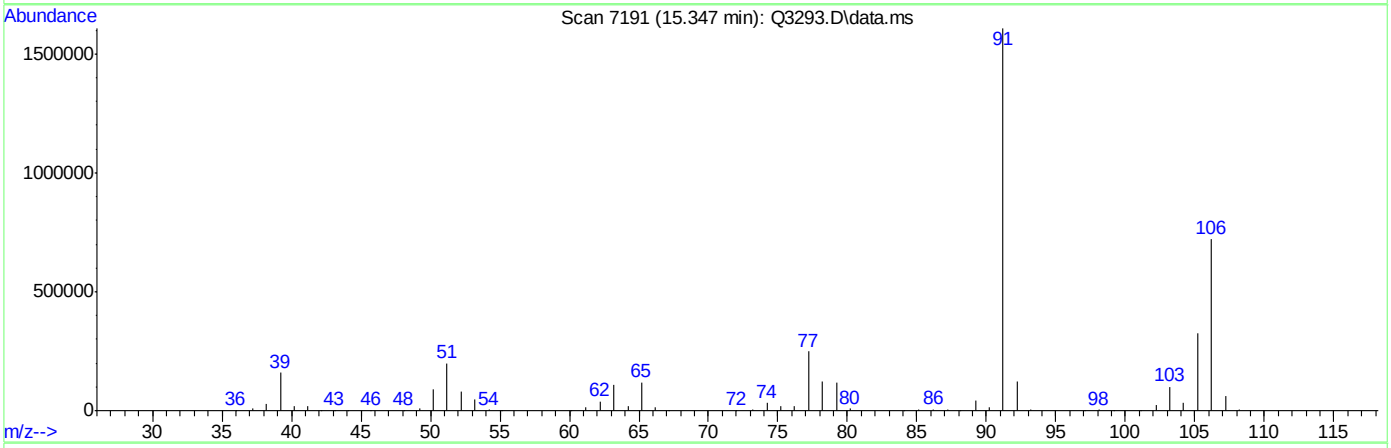
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	227.46
77.00	31.20	33.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3293.D
Acq On : 27 Apr 2007 1:39 pm
Operator : PhilipB
Sample : IC177-40 (M069)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 14:09:20 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:09:17 2007
Response via : Initial Calibration





TIC: Q3293.D\data.ms

(56) m,p-XYLENE (m)

15.347min (+0.004) 93.92PPBV m

response 1920145

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	222.66
77.00	31.20	34.55
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/07/07 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3294.D
Acq On : 27 Apr 2007 2:30 pm
Operator : PhilipB
Sample : ICV177-40 (M070)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 15:01:06 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:11:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	113752	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	580483	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	508398	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	222775	5.15	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	665671	10.32	PPBV	98
3) PROPYLENE	3.966	41	176877	10.33	PPBV	97
4) FREON 114	4.298	85	605239	9.90	PPBV	89
5) CHLOROMETHANE	4.197	50	197620	9.96	PPBV	96
6) VINYL CHLORIDE	4.420	62	209625	9.90	PPBV	99
7) 1,3-BUTADIENE	4.555	39	187439	10.03	PPBV	89
8) BROMOMETHANE	4.839	94	189984	10.06	PPBV	98
9) CHLOROETHANE	5.006	64	86878	9.35	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.792	101	616169	9.85	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	294601	7.07	PPBV	96
12) ACETONE	5.597	43	260231	8.81	PPBV	98
13) PENTANE	6.147	42	203381	10.13	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.429	96	188202	10.46	PPBV #	80
15) CARBON DISULFIDE	6.866	76	557173	8.93	PPBV	97
16) ETHANOL	5.100	45	52933	8.92	PPBV	94
17) BROMOETHENE	5.370	106	173011	9.99	PPBV	97
18) METHYLENE CHLORIDE	6.545	84	167002	9.79	PPBV	85
19) 3-CHLOROPROPENE	6.669	39	157378	7.89	PPBV	89
20) FREON 113	6.804	151	275688	9.65	PPBV #	75
21) TRANS-1,2-DICHLOROETHY...	7.473	96	160453	9.79	PPBV #	72
22) TERTIARY BUTYL ALCOHOL	6.431	59	371201	8.42	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.714	73	366465	8.39	PPBV	85
24) TETRAHYDROFURAN	9.146	42	190613	8.83	PPBV	79
25) HEXANE	8.676	57	258852	8.35	PPBV	95
26) VINYL ACETATE	7.792	43	400550	8.44	PPBV	92
27) 1,1-DICHLOROETHANE	7.672	63	324304	8.71	PPBV	97
28) METHYL ETHYL KETONE	8.035	43	362992	8.34	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.479	96	122287	8.81	PPBV #	73
30) ETHYL ACETATE	8.671	43	602862	8.21	PPBV	98
31) CHLOROFORM	8.763	83	357058	8.39	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.718	97	331129	8.33	PPBV	93
33) CARBON TETRACHLORIDE	10.304	117	353723	8.40	PPBV	100
34) 1,2-DICHLOROETHANE	9.471	62	230672	7.97	PPBV	99
36) BENZENE	10.160	78	373625	8.30	PPBV	95
37) CYCLOHEXANE	10.424	84	165846	8.96	PPBV #	72
38) TRICHLOROETHYLENE	11.157	95	188046	8.77	PPBV #	83
39) 1,2-DICHLOROPROPANE	10.934	63	161838	8.49	PPBV	90
40) BROMODICHLOROMETHANE	11.120	83	328906	8.52	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	812619	8.90	PPBV	96
42) 1,4-DIOXANE	11.143	88	62706	8.95	PPBV #	77
43) HEPTANE	11.418	43	334246	8.93	PPBV	84

ACCUTEST Laboratories M64318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3294.D
Acq On : 27 Apr 2007 2:30 pm
Operator : PhilipB
Sample : ICV177-40 (M070)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 15:01:06 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:11:46 2007
Response via : Initial Calibration

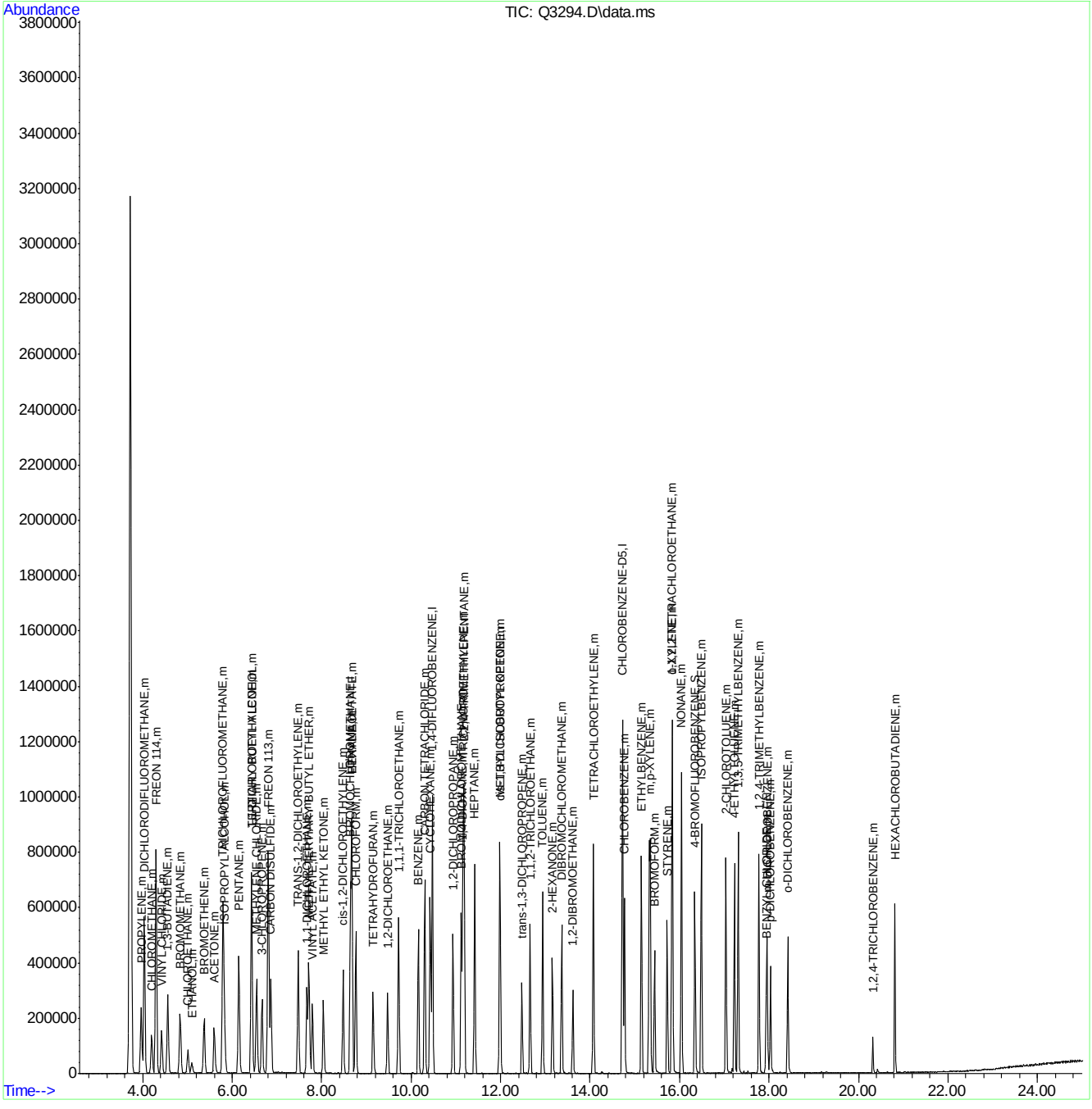
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	421319	8.92	PPBV		91
45) cis-1,3-DICHLOROPROPENE	11.974	75	211338	8.81	PPBV	#	83
46) TOLUENE	12.939	92	220212	8.34	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.478	75	145891	8.77	PPBV		85
48) 1,1,2-TRICHLOROETHANE	12.659	83	135403	8.48	PPBV		90
50) 2-HEXANONE	13.157	43	308986	8.82	PPBV		92
51) TETRACHLOROETHYLENE	14.073	164	118844	8.38	PPBV	#	83
52) DIBROMOCHLOROMETHANE	13.367	129	225991	8.68	PPBV		99
53) 1,2-DIBROMOETHANE	13.613	107	182949	8.53	PPBV		98
54) CHLOROBENZENE	14.767	112	235473	8.03	PPBV	#	82
55) ETHYLBENZENE	15.147	91	508050	8.47	PPBV		95
56) m,p-XYLENE	15.340	106	336893m	16.80	PPBV		
57) o-XYLENE	15.839	106	173142	8.58	PPBV	#	84
58) STYRENE	15.722	104	201575	8.76	PPBV		91
59) NONANE	16.043	43	452838	8.80	PPBV		88
60) BROMOFORM	15.440	173	155481	8.16	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	344580	8.96	PPBV		99
63) ISOPROPYLBENZENE	16.487	105	518343	8.41	PPBV		94
64) 2-CHLOROTOLUENE	17.037	91	391994	8.59	PPBV		89
65) 4-ETHYLTOLUENE	17.227	105	397950	8.77	PPBV		95
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	409961	8.75	PPBV		94
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	365134	8.82	PPBV		94
68) m-DICHLOROBENZENE	17.958	146	130569	8.31	PPBV		94
69) BENZYL CHLORIDE	17.935	91	167846	8.64	PPBV		92
70) p-DICHLOROBENZENE	18.031	146	111136	7.93	PPBV		93
71) o-DICHLOROBENZENE	18.418	146	133095	7.99	PPBV		93
72) HEXACHLOROBUTADIENE	20.812	225	54816	10.57	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.320	180	20325	9.38	PPBV		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3294.D
Acq On : 27 Apr 2007 2:30 pm
Operator : PhilipB
Sample : ICV177-40 (M070)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 15:01:06 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:11:46 2007
Response via : Initial Calibration

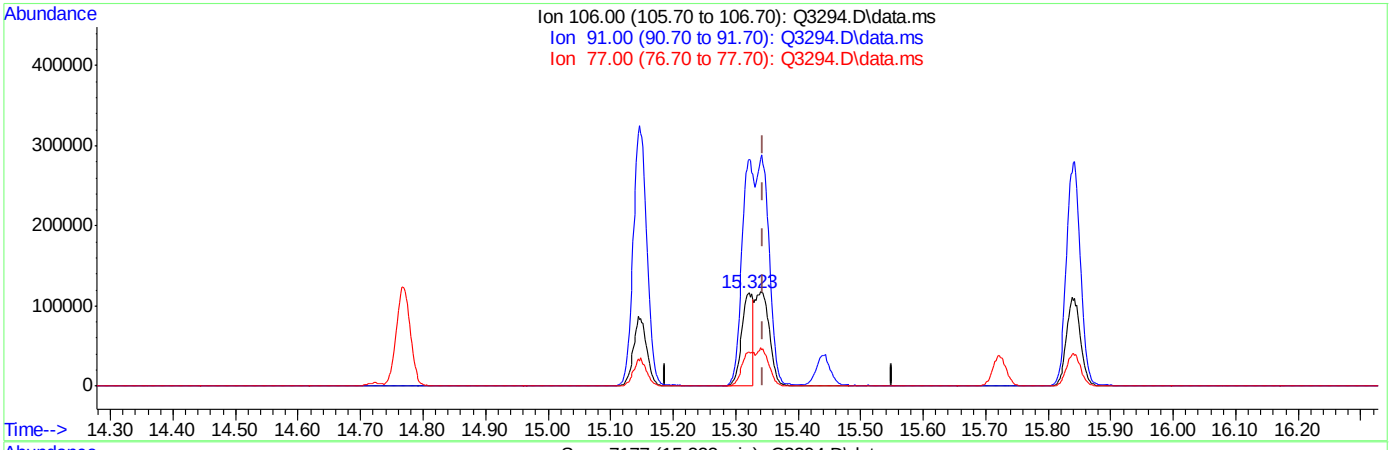


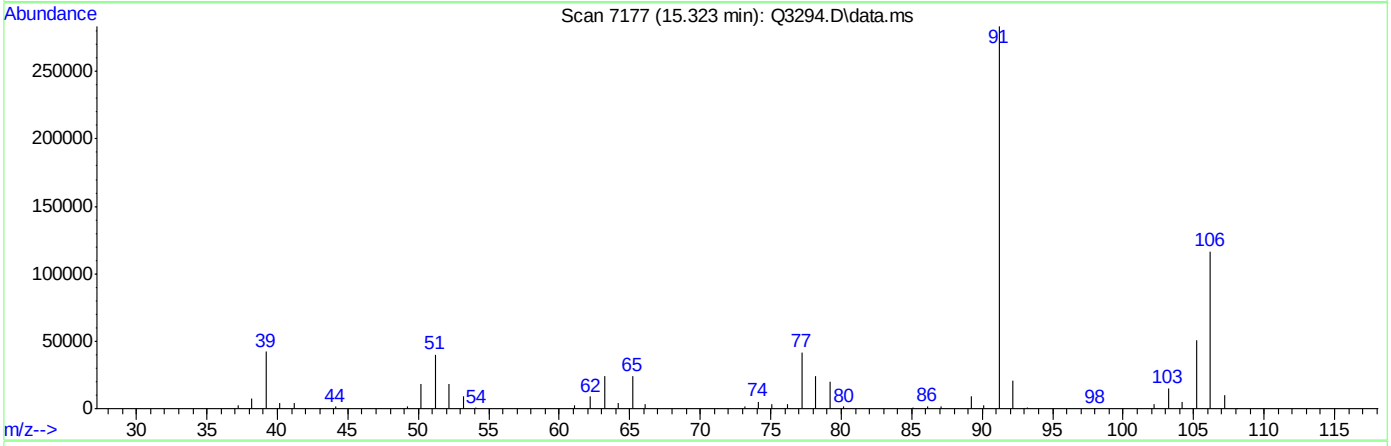
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3294.D
Acq On : 27 Apr 2007 2:30 pm
Operator : PhilipB
Sample : ICV177-40 (M070)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 15:00:54 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:11:46 2007
Response via : Initial Calibration





TIC: Q3294.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 7.18PPBV

response 143964

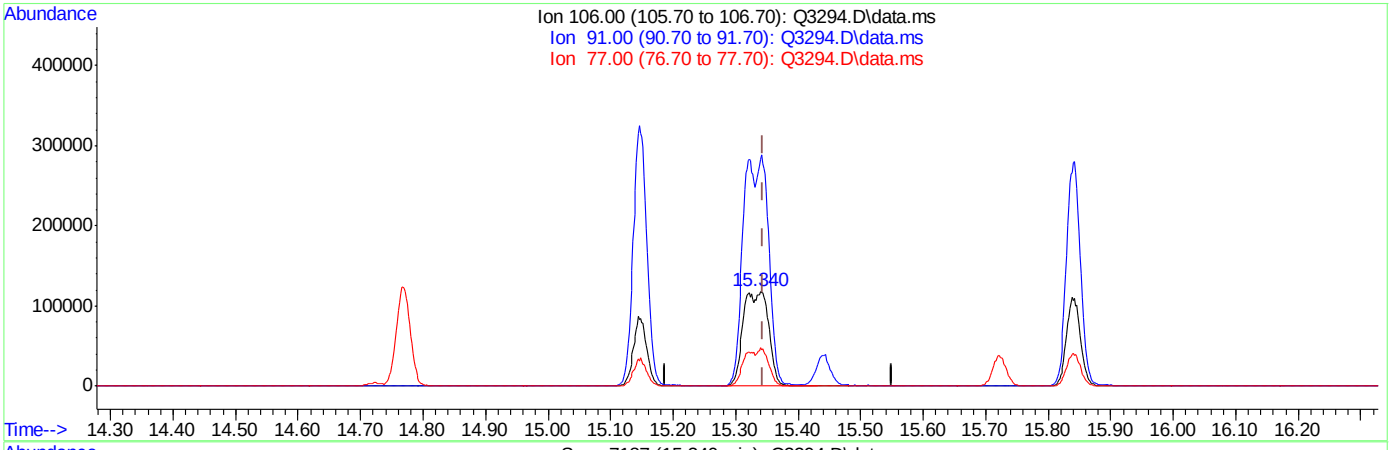
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	243.45
77.00	31.20	36.05
0.00	0.00	0.00

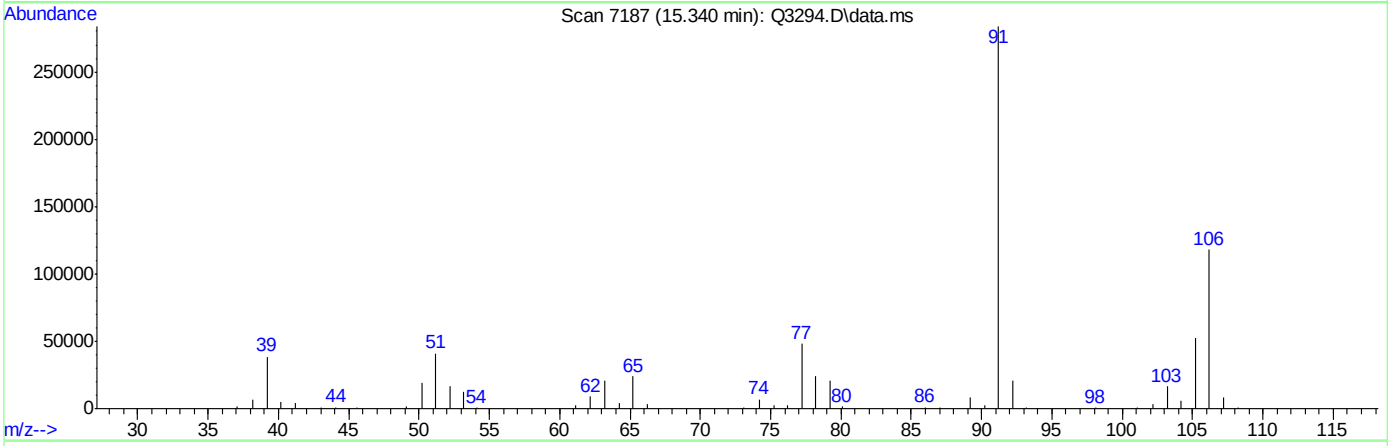
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3294.D
Acq On : 27 Apr 2007 2:30 pm
Operator : PhilipB
Sample : ICV177-40 (M070)
Misc : MS13369,MSQ177,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 15:00:54 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 14:11:46 2007
Response via : Initial Calibration





TIC: Q3294.D\data.ms

(56) m,p-XYLENE (m)

15.340min (-0.003) 16.80PPBV m

response 336893

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	240.12
77.00	31.20	40.61#
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/04/07 19:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:13:31 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	91182	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	443535	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	398499	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.341	95	176816	5.22	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 104.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	635328	12.30	PPBV	96
3) PROPYLENE	3.966	41	156589	11.46	PPBV	96
4) FREON 114	4.296	85	578646	11.84	PPBV	85
5) CHLOROMETHANE	4.202	50	191692	12.20	PPBV	99
6) VINYL CHLORIDE	4.418	62	201358	11.97	PPBV	98
7) 1,3-BUTADIENE	4.557	39	186112	12.61	PPBV	82
8) BROMOMETHANE	4.832	94	174697	11.56	PPBV	98
9) CHLOROETHANE	5.011	64	76314	10.26	PPBV	93
10) TRICHLOROFLUOROMETHANE	5.792	101	633447	12.71	PPBV	99
11) ISOPROPYL ALCOHOL	5.826	45	249072	7.46	PPBV	94
12) ACETONE	5.597	43	235260	10.04	PPBV	93
13) PENTANE	6.149	42	197175	12.47	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.429	96	179078	12.38	PPBV #	67
15) CARBON DISULFIDE	6.862	76	597313	11.94	PPBV	94
16) ETHANOL	5.093	45	43039	9.59	PPBV	93
17) BROMOETHENE	5.370	106	155273	11.18	PPBV #	95
18) METHYLENE CHLORIDE	6.543	84	152618	11.21	PPBV	76
19) 3-CHLOROPROPENE	6.667	39	151401	9.47	PPBV	90
20) FREON 113	6.804	151	265363	11.58	PPBV #	68
21) TRANS-1,2-DICHLOROETHY...	7.473	96	104490	7.95	PPBV #	44
22) TERTIARY BUTYL ALCOHOL	6.431	59	313478	8.87	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.714	73	260134	7.43	PPBV	82
24) TETRAHYDROFURAN	9.146	42	134290	7.76	PPBV	76
25) HEXANE	8.676	57	211571	8.51	PPBV	86
26) VINYL ACETATE	7.794	43	273846	7.20	PPBV	89
27) 1,1-DICHLOROETHANE	7.668	63	260018	8.71	PPBV	96
28) METHYL ETHYL KETONE	8.037	43	262796	7.53	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.477	96	91737	8.24	PPBV #	64
30) ETHYL ACETATE	8.671	43	484344	8.22	PPBV	97
31) CHLOROFORM	8.761	83	297287	8.71	PPBV	93
32) 1,1,1-TRICHLOROETHANE	9.718	97	282813	8.88	PPBV	90
33) CARBON TETRACHLORIDE	10.300	117	321906	9.54	PPBV	99
34) 1,2-DICHLOROETHANE	9.471	62	198376	8.55	PPBV	99
36) BENZENE	10.158	78	278679	8.11	PPBV	94
37) CYCLOHEXANE	10.424	84	130460	9.23	PPBV #	70
38) TRICHLOROETHYLENE	11.155	95	149679	9.14	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.934	63	115267	7.91	PPBV	94
40) BROMODICHLOROMETHANE	11.118	83	276835	9.39	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	627990	9.00	PPBV	96
42) 1,4-DIOXANE	11.139	88	47239	8.82	PPBV #	70
43) HEPTANE	11.418	43	276698	9.68	PPBV	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:13:31 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

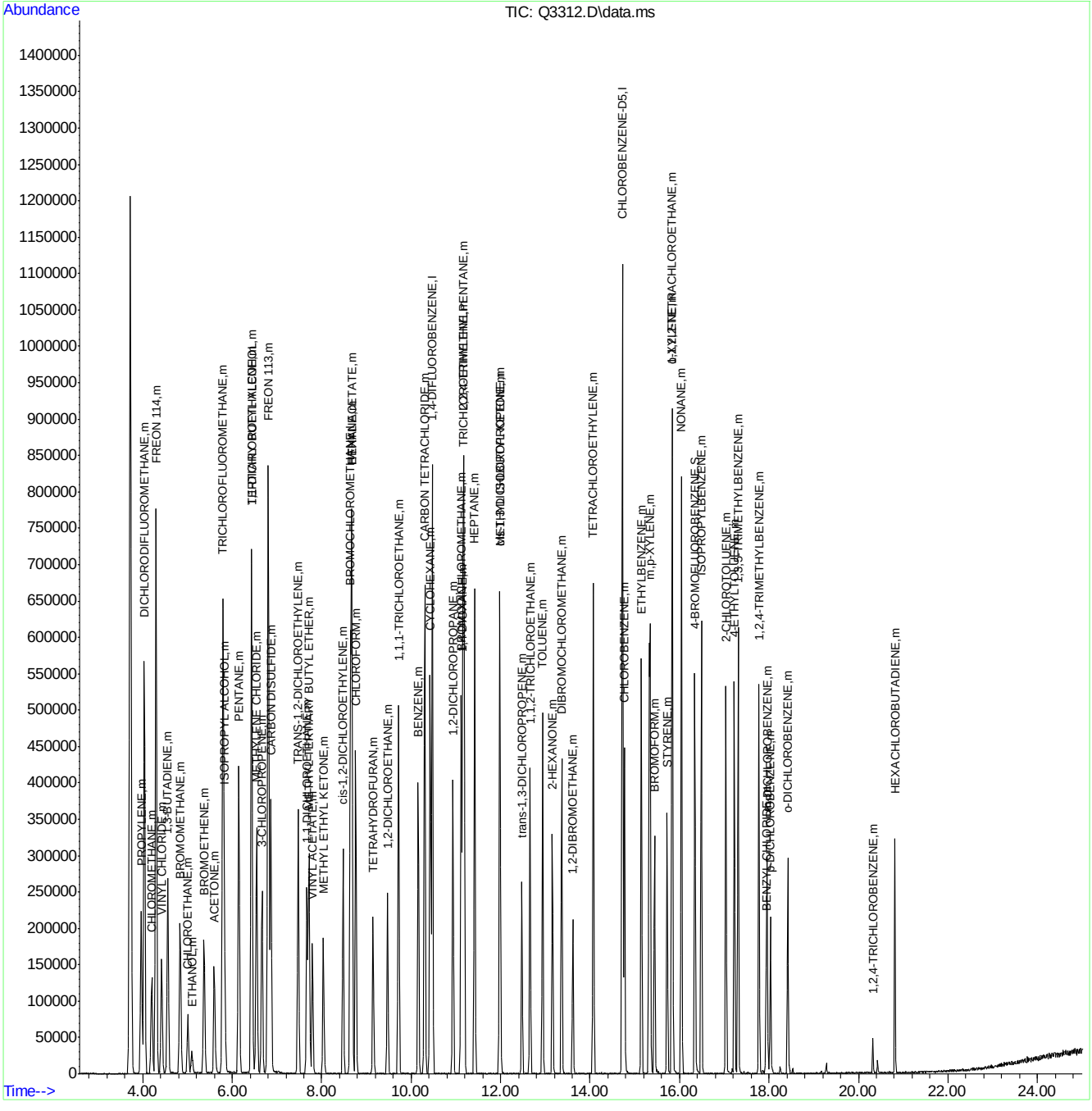
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	319763	8.86	PPBV		87
45) cis-1,3-DICHLOROPROPENE	11.972	75	142847	7.80	PPBV	#	66
46) TOLUENE	12.936	92	150967	7.48	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.476	75	105798	8.32	PPBV	#	79
48) 1,1,2-TRICHLOROETHANE	12.659	83	95314	7.81	PPBV		90
50) 2-HEXANONE	13.157	43	235141	8.56	PPBV		87
51) TETRACHLOROETHYLENE	14.071	164	83578	7.52	PPBV	#	79
52) DIBROMOCHLOROMETHANE	13.365	129	170465	8.35	PPBV		99
53) 1,2-DIBROMOETHANE	13.612	107	122144	7.27	PPBV		97
54) CHLOROBENZENE	14.765	112	158812	6.91	PPBV	#	78
55) ETHYLBENZENE	15.143	91	344418	7.32	PPBV		94
56) m,p-XYLENE	15.342	106	221369m	14.08	PPBV		
57) o-XYLENE	15.843	106	112085	7.08	PPBV	#	79
58) STYRENE	15.722	104	119932	6.65	PPBV		89
59) NONANE	16.043	43	336904	8.35	PPBV		86
60) BROMOFORM	15.438	173	104782	7.01	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	226438	7.51	PPBV		98
63) ISOPROPYLBENZENE	16.487	105	333566	6.90	PPBV		91
64) 2-CHLOROTOLUENE	17.035	91	249531	6.97	PPBV		85
65) 4-ETHYLTOLUENE	17.225	105	266224	7.49	PPBV		94
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	269844	7.35	PPBV		91
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	225207	6.94	PPBV		92
68) m-DICHLOROBENZENE	17.956	146	70095	5.69	PPBV		92
69) BENZYL CHLORIDE	17.932	91	81032	5.32	PPBV		89
70) p-DICHLOROBENZENE	18.033	146	55704	5.07	PPBV		91
71) o-DICHLOROBENZENE	18.416	146	70040	5.37	PPBV		91
72) HEXACHLOROBUTADIENE	20.816	225	25215	6.82	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.324	180	7188	4.23	PPBV		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

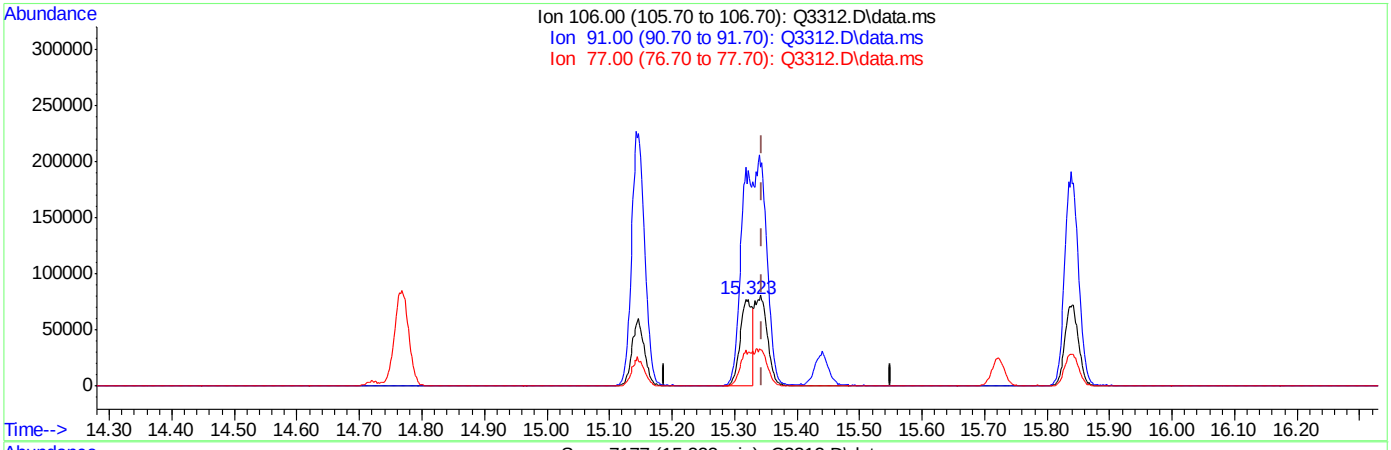
Quant Time: May 01 14:13:31 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration

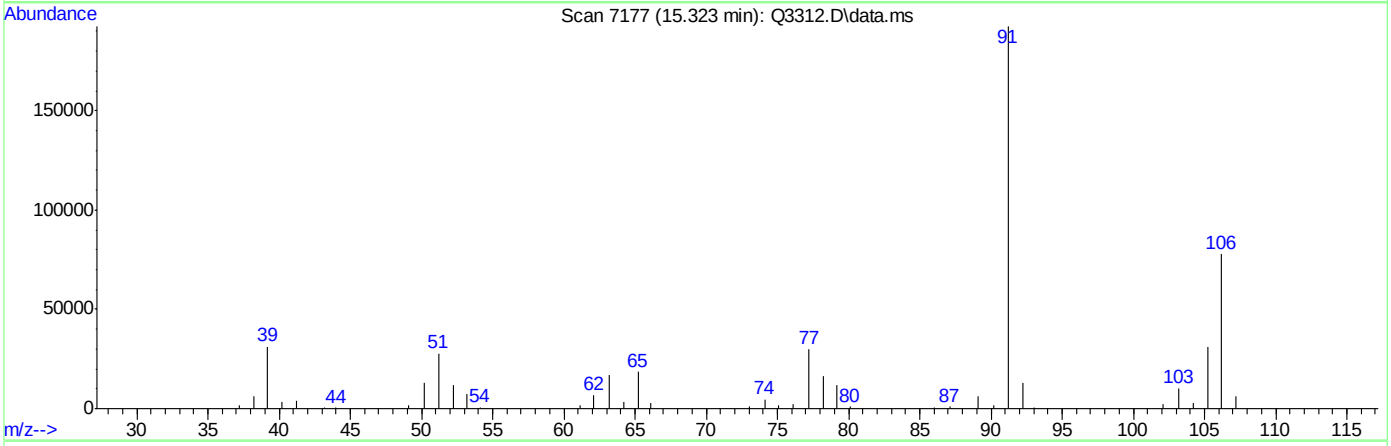


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:13:22 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration





TIC: Q3312.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 6.77PPBV

response 106433

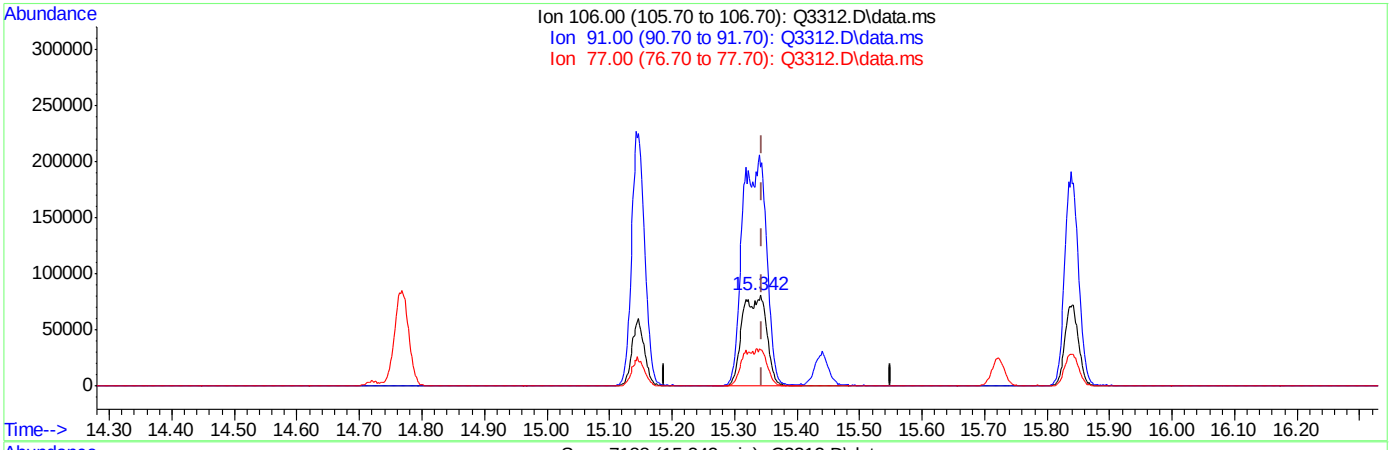
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	247.67
77.00	31.20	38.71#
0.00	0.00	0.00

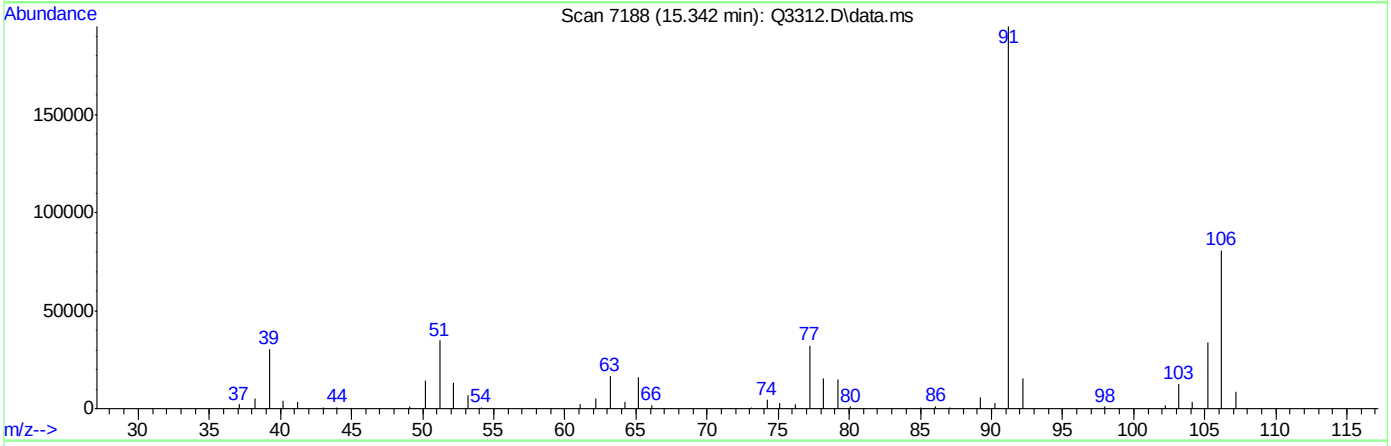
ACCUTEST Laboratories M64318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3312.D
Acq On : 1 May 2007 11:52 am
Operator : PhilipB
Sample : CC177-10 (M070)
Misc : MS13459,MSQ179,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 14:13:22 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 30 14:10:39 2007
Response via : Initial Calibration





TIC: Q3312.D\data.ms

(56) m,p-XYLENE (m)

15.342min (-0.002) 14.08PPBV m

response 221369

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	241.28
77.00	31.20	39.85#
0.00	0.00	0.00

ACCUTEST Laboratories M64318

Standard Lot #	
Calib STD 1	MSA326
Calib STD 2	MSA327
ICV	MSA324/MSA320
Inter/Surr STD	MSA218
BS/BSD	MSA320

File ID	
Tune File 1	MSA10136
Tune File 2	MSA10145
Initial Cal.	4/26/07
ID FILE	J042607T.M
Instrument ID	J
ICAL:	J10146
Column Type:	RTX-1
Sequence Verified By:	DT 4/27/07

Date:	4/26/2007
Analyst:	DANAT
Batch ID:	msj525
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/1/2007 5:55:47 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10134	CC522-10	m013	MSA323		4		1		Re-run , check fails.
J10135	CC522-10	m013	MSA323		4		1		Re-calibrate , check fails again.
J10136	IC525-40	m132	MSA326		4		1		Internals high , re-run.
J10137	IC525-20	m132	MSA326		4		1		
J10138	ICC525-10	m132	MSA326		4		1		
J10139	IC525-5	m132	MSA326		4		1		
J10140	IC525-2	m161	MSA327		3		1		
J10141	IC525-0.5	m161	MSA327		3		1		
J10142	IC525-0.2	m161	MSA327		3		1		Chloroethane missing , re-run.
J10143	IC525-40	m132	MSA326		4		1		
J10144	IC525-0.2	m161	MSA327		3		1		
J10145	ICV525-10	m070	MSA324		2		1		ICV fails , re-run using different standard.
J10146	ICV525-10	m050	MSA320		2		1		
J10146a	CC525-10	m050	MSA320		2		1		
J10146b	BS	m050	MSA320		2		1		
J10147	MB	m057			5		1		Re-run using different can , hits present.
J10148	MB	m073			5		1		
J10149	M64244-8	m008	MS13445	VTO15STD	10		1		
J10150	M64244-7	m019	MS13445	VTO15STD	11		1		
J10151	M64244-6	m136	MS13445	VTO15STD	12		1		
J10152	M64244-6DUP	m136	MS13445	VTO15STD	12		1		
J10153	M64244-1	m007	MS13445	VTO15STD	6		1		
J10154	M64244-2	m130	MS13445	VTO15STD	7		1		
J10155	M64244-3	m095	MS13445	VTO15STD	8		1		
J10156	M64244-4	m058	MS13445	VTO15STD	9		1		
J10157	M64244-5	m053	MS13445	VTO15STD	13		1		
J10158	M64242-2	m024	MS13445	VTO15STD	3		1		
J10159	M64243-1	m133	MS13445	VTO15STD	4		1		
J10160	M64243-2	m079	MS13445	VTO15STD	10		1		
J10161	M64240-2	m117	MS13445	VTO15STD	14		1		Re-run @ 1000x , over calibration.
J10162	M64241-1	m009	MS13445	VTO15STD	15		1		Do not report, possible carry over
J10163	M64241-2	m108	MS13445	VTO15STD	16		1		Do not report, possible carry over

Standard Lot #	
Calib STD 1	MSA320
Calib STD 2	NA
ICV	NA
Inter/Surr STD	MSA218
BS/BSD	MSA320

File ID	
Tune File 1	J10165
Tune File 2	NA
Initial Cal.	4/30/07
ID FILE	J043007T.M
Instrument ID	J
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	DT 4/30/07

Date:	4/30/2007
Analyst:	DT
Batch ID:	MSJ526
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/1/2007 5:56:18 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10164	BLANK	M073			3		1		
J10165	CC525-10	M050	MSA320		2		1		Re-run , no responses because of closed valve.
J10166	CC525-10	M050	MSA320		2		1		
J10166A	BS	M050	MSA320		2		1		
J10167	MB	M073			3		1		
J10168	MB	M073			3		1		
J10169	M64241-1	M009	MS13445	VTO15STD	4		1	mc091	
J10170	M64241-2	M108	MS13445	VTO15STD	5		1	mc072	
J10171	M64240-2	M180	MS13445	VTO15STD	6		1000	mc075	Re-run @ 100x , too dilute.
J10172	M64241-1DUP	M009	MS13445	VTO15STD	4		1	mc091	
J10173	M64240-2	M187	MS13445	VTO15STD	6		100	mc075	
J10174	M64245-1	M049	MS13460	VTO15STD	7		1	mc039	
J10175	M64245-2	M138	MS13460	VTO15STD	8		1	mc038	
J10176	M64246-1	M028	MS13460	VTO15STD	9		1	mc045	
J10177	M64247-1	M140	MS13460	VTO15STD	10		1	mc090	
J10178	M64318-1	M155	MS13460	VTO15STD	11		1	mc030	
J10179	M64318-2	M089	MS13460	VTO15STD	12		1	mc001	Re-run , internal standards high.
J10180	M64319-1	M021	MS13460	VTO15STD	13		1	mc122	
J10181	M64386-2	m121	MS13460	VTO15STD	14		1	mc078	

Standard Lot #	
Calib STD 1	MSA325
Calib STD 2	MSA326
ICV	MSA324
Inter/Surr STD	MSA218
BS/BSD	MSA324

File ID	
Tune File 1	Q3287.D
Tune File 2	NA
Initial Cal.	4-26-07
ID FILE	Q042607T.M
Instrument ID	Q
ICAL:	Q3294.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-27-07

Date:	4/26/2007
Analyst:	PHILIPB
Batch ID:	MSQ177
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/18/2007 11:14:27 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3283	40 PPB STD	M069	MSA325	VTO15STD	3		1	NA	Gasses low; ISTD #1 high.
Q3284	20 PPBSTD	M069	MSA325	VTO15STD	3		1	NA	Gasses low; ISTD #1 high.
Q3285	10 PPB STD	M069	MSA325	VTO15STD	3		1	NA	Gasses low; ISTD #1 high.
Q3286	5 PPB STD	M069	MSA325	VTO15STD	3		1	NA	Gasses low; ISTD #1 high.
Q3287	IC177-2	M069	MSA325	VTO15STD	3		1	NA	O.K.; BFB
Q3288	IC177-.5	M069	MSA325	VTO15STD	3		1	NA	O.K.
Q3289	IC177-.2	D025	MSA326	VTO15STD	4		1	NA	O.K.
Q3290	IC177-10	M069	MSA325	VTO15STD	3		1	NA	O.K.
Q3291	ICC177-5	M069	MSA325	VTO15STD	3		1	NA	O.K.
Q3292	IC177-20	M069	MSA325	VTO15STD	3		1	NA	O.K.
Q3293	IC177-40	M069	MSA325	VTO15STD	3		1	NA	O.K.
Q3294	ICV177-10	M070	MSA324	VTO15STD	2		1	NA	O.K.
Q3295	CP404	M073	NA	VTO15STD	5		1	NA	O.K.
Q3296	FCB061	M190	NA	VTO15STD	6		1	MC092	O.K.
Q3297	FCB062	M189	NA	VTO15STD	7		1	MC017	O.K.

Standard Lot #	
Calib STD 1	MSA325
Calib STD 2	MSA326
ICV	MSA324
Inter/Surr STD	MSA218
BS/BSD	MSA324

File ID	
Tune File 1	Q3312.D
Tune File 2	NA
Initial Cal.	4-26-07
ID FILE	Q042607T.M
Instrument ID	Q
ICAL:	Q3294.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-1-07

Date:	5/1/2007
Analyst:	PHILIPB
Batch ID:	MSQ179
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/18/2007 11:12:55 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3312	CC177-10	M070	MSA324	VTO15TCL	2		1	NA	O.K.; BFB
Q3312A	BS	M070	MSA324	VTO15TCL	2		1	NA	O.K.
Q3313	MB	M190	MS13469	VTO15TCL	6		1	NA	O.K.
Q3314	M64265-1	M145	MS13469	VTO15BTXME	12		1	NA	O.K.
Q3315	M44265-2	M032	MS13469	VTO15BTXME	13		1	NA	Re-run 10X
Q3316	M64265-2DUP	M032	MS13469	VTO15BTXME	14		1	NA	O.K.
Q3317	M64265-2	M032	MS13469	VTO15BTXME	15		1	NA	Report with Q3315.D
Q3318	M64265-3	M149	MS13469	VTO15BTXME	16		1	NA	ISTD#3 low; re-run
Q3319	M64327-6	M183	MS13469	VTO15TCL	17		1	Not Specified	Report with Q3307.D
Q3320	M64327-7	M186	MS13469	VTO15TCL	18		1	Not Specified	Report with Q3308.D
Q3321	M64318-2	M089	MS13469	VTO15SL	19		1	MC001	O.K.