New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/23/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

045162

Accutest Job Number: M64555

Sampling Date: 05/02/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **323**

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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Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M64555

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M64555-1	05/02/07	18:22	SLS	05/03/07	AIR	Air	045162-27 KNOW-1
M64555-2	05/02/07	17:49	SLS	05/03/07	AIR	Air	045162-27 KNOW-B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M64555
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	5/23/2007 9:15:15 AM

2 Sample(s) were collected on 05/02/2007 and were received at Accutest on 05/03/2007. These Samples received an Accutest job number of M64555. 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:** MSJ533

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64467-1DUP 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(M64555).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-27 KNOW-1		
Lab Sample ID:	M64555-1	**Date Sampled:**	05/02/07
Matrix:	AIR - Air Summa ID: M056	**Date Received:**	05/03/07
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	J10295.D	1	05/10/07	DFT	n/a	n/a	MSJ533
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	0.097	0.20	ppbv	J	0.61	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	ND	0.20	ppbv		ND	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-27 KNOW-B		
Lab Sample ID:	M64555-2	**Date Sampled:**	05/02/07
Matrix:	AIR - Air Summa ID: M055	**Date Received:**	05/03/07
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	J10296.D	1	05/10/07	DFT	n/a	n/a	MSJ533
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	0.12	0.20	ppbv	J	0.75	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	0.15	0.20	ppbv	J	1.0	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	92%		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

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M64555

PAGE 1 OF 1

Client / Reporting Information

Company Name: GEI Consultants
Address: 400 Unicorn Park Drive
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): Samantha Slater

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

Weather Parameters

Temperature (Fahrenheit)
Start: 69.2 Maximum:
Stop: 68.1 Minimum:
Atmospheric Pressure (inches of Hg)
Start: 29.91 Maximum:
Stop: 29.90 Minimum:
Other weather comments:

Requested Analysis

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.	Standard TO-15 Reporting List		MA DEP APH	
-1	045162-27Know-1	I	M056	6L	MFC057	5-2-07	1336	30	71.9	SLS	5-2-07	1822	4	72.3	SLS				
-2	045162-27Know-B	I	M055	6L	MC025	5-2-07	1341	30	69.9	SLS	5-2-07	1749	5	69.0	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	5-2-07 1245	2 Samantha Slater
3 Samantha Slater	5-2-07 1855	3	4	5/3/07 1030	4
5	5/3/07 11:40	5	Custody Seal #		

SM013-01 (2/14/06)

4.1

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M64555: Chain of Custody
Page 1 of 5

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
M64555-2	M055

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9868.D
Acq On : 30 Mar 2007 11:22 pm
Operator : PhilipB
Sample : M63703-18 (M055)
Misc : MS13284, MSJ510,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 02 09:22:44 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	8.63	128	313103	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	569965	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	495712	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	132029	4.21	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 84.20%

Target Compounds Qvalue

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

J032207T.M Mon Apr 02 09:32:01 2007 Page: 1

4.1 4

M64555: Chain of Custody

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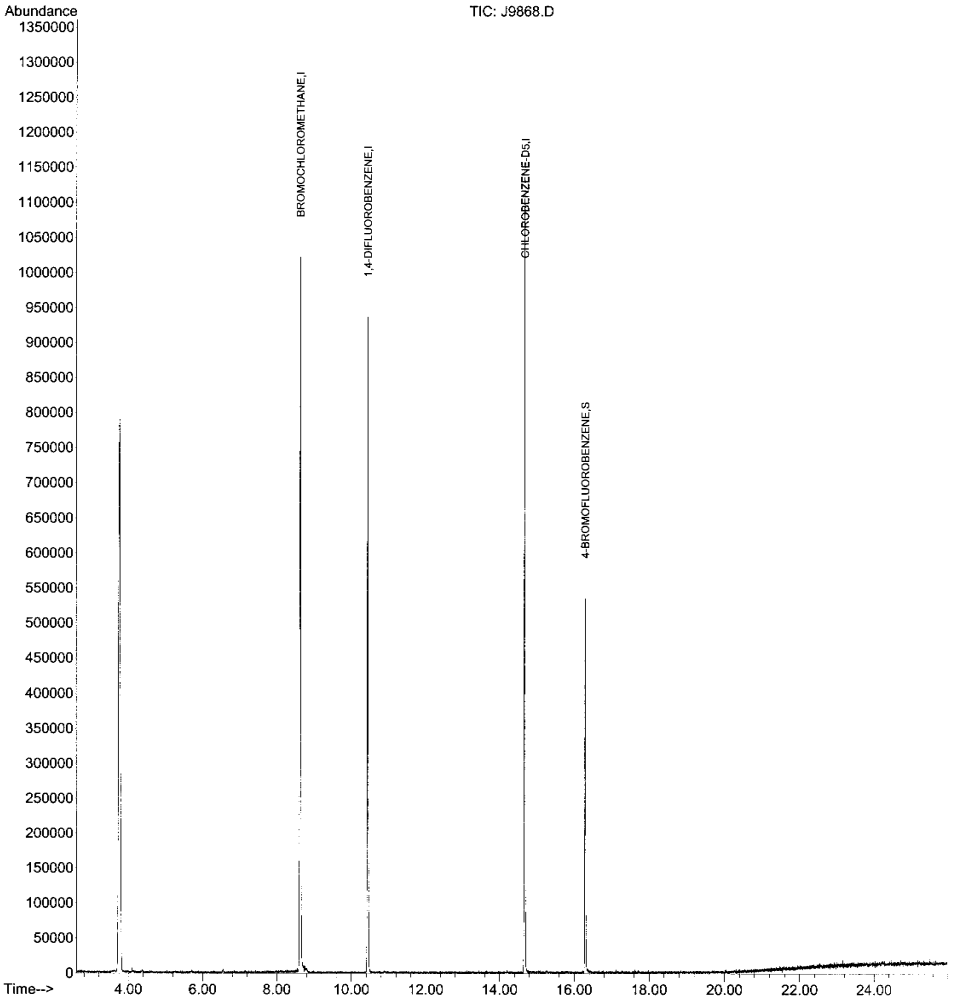
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9868.D
Acq On : 30 Mar 2007 11:22 pm
Operator : PhilipB
Sample : M63703-18 (M055)
Misc : MS13284, MSJ510,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 02 09:22:44 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 09:32:03 2007 Page: 2

4.1 4

M64555: Chain of Custody
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Summa Canister and Flow Controller Log

Job Number: M64555
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 05/03/07

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
M056	6	29.4	04/16/07	PB	CP394	J9993.D	M64555-1	05/10/07	DFT	1			1
M055	6	29.4	04/02/07	PB	CP391		M64555-2	05/10/07	DFT	3			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC025	04/19/07	PB	20	4	05/15/07	PB	21.2
MC057	04/19/07	PB	20	4	05/15/07	PB	20.3

Accutest Bottle Order(s):
PB/4-16-07/GEI/TUFTS ST.
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
04/16/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64555

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64555-1	Collected: 02-MAY-07 18:22 By: SLS		Received: 03-MAY-07 By: RS			
045162-27 KNOW-1						
M64555-1	TO-15	10-MAY-07 18:32	DFT			VTO15STD
M64555-2	Collected: 02-MAY-07 17:49 By: SLS		Received: 03-MAY-07 By: RS			
045162-27 KNOW-B						
M64555-2	TO-15	10-MAY-07 19:23	DFT			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: M64555
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
MSJ533-MB	J10288.D	1	05/10/07	DFT	n/a	n/a	MSJ533

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

M64555-1, M64555-2

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	95%	57-139%

Method Blank Summary

Job Number: M64555
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
MSJ517-MB	J10001.D	1	04/11/07	PB	n/a	n/a	MSJ517

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

MSJ517-SCC

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	84%	57-139%

Blank Spike Summary

Job Number: M64555
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
MSJ533-BS	J10286B.D	1	05/10/07	DFT	n/a	n/a	MSJ533

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

M64555-1, M64555-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.2	102	70-130
56-23-5	Carbon tetrachloride	10	8.6	86	70-130
75-34-3	1,1-Dichloroethane	10	8.5	85	70-130
75-35-4	1,1-Dichloroethylene	10	8.7	87	70-130
107-06-2	1,2-Dichloroethane	10	8.1	81	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.8	88	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.6	86	70-130
71-55-6	1,1,1-Trichloroethane	10	8.6	86	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.7	87	70-130
79-00-5	1,1,2-Trichloroethane	10	8.0	80	70-130
127-18-4	Tetrachloroethylene	10	8.0	80	70-130
79-01-6	Trichloroethylene	10	8.8	88	70-130
75-01-4	Vinyl chloride	10	8.9	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	111%	57-139%

Blank Spike Summary

Job Number: M64555
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
MSJ517-BS	J9999A.D	1	04/11/07	PB	n/a	n/a	MSJ517

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

MSJ517-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.4	94	70-130
56-23-5	Carbon tetrachloride	10	11.0	110	70-130
75-34-3	1,1-Dichloroethane	10	7.7	77	70-130
75-35-4	1,1-Dichloroethylene	10	8.8	88	70-130
107-06-2	1,2-Dichloroethane	10	10.4	104	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.1	81	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.9	89	70-130
71-55-6	1,1,1-Trichloroethane	10	10.4	104	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.7	97	70-130
79-00-5	1,1,2-Trichloroethane	10	9.9	99	70-130
127-18-4	Tetrachloroethylene	10	9.4	94	70-130
79-01-6	Trichloroethylene	10	11.1	111	70-130
75-01-4	Vinyl chloride	10	9.5	95	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	57-139%

Duplicate Summary

Job Number: M64555
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
M64467-1DUP	J10293.D	1	05/10/07	DFT	n/a	n/a	MSJ533
M64467-1	J10289.D	1	05/10/07	DFT	n/a	n/a	MSJ533

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

M64555-1, M64555-2

CAS No.	Compound	M64467-1 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	8.9		11.0		21	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64467-1	Limits
460-00-4	4-Bromofluorobenzene	94%	95%	57-139%

Summa Cleaning Certification

Job Number: M64555
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
MSJ517-SCC	J10016.D	1	04/12/07	PB	n/a	n/a	MSJ517

The QC reported here (Summa M056) applies to the following samples: **Method:** TO-15

Batch CP394 cleaned 04/04/07: M64555-1(M056)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	77%	57-139%

Instrument Performance Check (BFB)

Job Number: M64555
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ513-BFB
Lab File ID: J9928.D
Instrument ID: GCMSJ
Injection Date: 04/05/07
Injection Time: 12:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4273	30.2		Pass
75	30.0 - 66.0% of mass 95	7769	54.9		Pass
95	Base peak, 100% relative abundance	14160	100.0		Pass
96	5.0 - 9.0% of mass 95	1090	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	12562	88.7		Pass
175	4.0 - 9.0% of mass 174	735	5.2	(5.9) [a]	Pass
176	93.0 - 101.0% of mass 174	11811	83.4	(94.0) [a]	Pass
177	5.0 - 9.0% of mass 176	949	6.7	(8.0) [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
MSJ513-ICC513	J9928.D	04/05/07	12:13	00:00	Initial cal 10
MSJ513-IC513	J9929.D	04/05/07	12:58	00:45	Initial cal 40
MSJ513-IC513	J9930.D	04/05/07	13:44	01:31	Initial cal 20
MSJ513-IC513	J9931.D	04/05/07	14:31	02:18	Initial cal 5
MSJ513-IC513	J9932.D	04/05/07	15:17	03:04	Initial cal 2
MSJ513-IC513	J9933.D	04/05/07	16:02	03:49	Initial cal .5
MSJ513-IC513	J9934.D	04/05/07	16:45	04:32	Initial cal .2
MSJ513-ICV513	J9935.D	04/05/07	17:39	05:26	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M64555
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ517-BFB
Lab File ID: J9999.D
Instrument ID: GCMSJ
Injection Date: 04/11/07
Injection Time: 14:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	29930	27.6		Pass
75	30.0 - 66.0% of mass 95	66128	61.0		Pass
95	Base peak, 100% relative abundance	108448	100.0		Pass
96	5.0 - 9.0% of mass 95	8455	7.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	72320	66.7		Pass
175	4.0 - 9.0% of mass 174	5248	4.8	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	68442	63.1	(94.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5680	5.2	(8.3) [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
MSJ517-CC513	J9999.D	04/11/07	14:29	00:00	Continuing cal 10
MSJ517-BS	J9999A.D	04/11/07	14:29	00:00	Blank Spike
MSJ517-MB	J10001.D	04/11/07	16:04	01:35	Method Blank
MSJ517-SCC	J10001.D	04/11/07	16:04	01:35	Summa Cleaning Certification
M63914-4	J10002.D	04/11/07	16:57	02:28	(used for QC only; not part of job M64555)
M63914-4DUP	J10003.D	04/11/07	17:50	03:21	Duplicate
ZZZZZZ	J10005.D	04/11/07	19:35	05:06	(unrelated sample)
ZZZZZZ	J10006.D	04/11/07	20:26	05:57	(unrelated sample)
ZZZZZZ	J10007.D	04/11/07	21:16	06:47	(unrelated sample)
ZZZZZZ	J10008.D	04/12/07	08:59	18:30	(unrelated sample)
ZZZZZZ	J10009.D	04/12/07	09:48	19:19	(unrelated sample)
ZZZZZZ	J10010.D	04/12/07	10:30	20:01	(unrelated sample)
ZZZZZZ	J10011.D	04/12/07	11:18	20:49	(unrelated sample)
ZZZZZZ	J10012.D	04/12/07	12:09	21:40	(unrelated sample)
MSJ517-SCC	J10013.D	04/12/07	12:59	22:30	Summa Cleaning Certification
MSJ517-SCC	J10014.D	04/12/07	13:50	23:21	Summa Cleaning Certification
MSJ517-SCC	J10015.D	04/12/07	14:40	24:11	Summa Cleaning Certification
MSJ517-SCC	J10016.D	04/12/07	15:28	24:59	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64555
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ533-BFB
Lab File ID: J10277.D
Instrument ID: GCMSJ
Injection Date: 05/09/07
Injection Time: 18:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12561	17.7		Pass
75	30.0 - 66.0% of mass 95	35015	49.5		Pass
95	Base peak, 100% relative abundance	70793	100.0		Pass
96	5.0 - 9.0% of mass 95	4662	6.6		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	74325	105.0		Pass
175	4.0 - 9.0% of mass 174	5105	7.2	(6.9) [a]	Pass
176	93.0 - 101.0% of mass 174	69706	98.5	(93.8) [a]	Pass
177	5.0 - 9.0% of mass 176	5111	7.2	(7.3) [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
MSJ533-IC533	J10277.D	05/09/07	18:39	00:00	Initial cal 0.2
MSJ533-IC533	J10278.D	05/09/07	19:29	00:50	Initial cal 0.5
MSJ533-IC533	J10279.D	05/09/07	20:18	01:39	Initial cal 40
MSJ533-IC533	J10280.D	05/09/07	21:05	02:26	Initial cal 20
MSJ533-ICC533	J10281.D	05/09/07	21:52	03:13	Initial cal 10
MSJ533-IC533	J10282.D	05/09/07	22:40	04:01	Initial cal 5
MSJ533-IC533	J10283.D	05/09/07	23:27	04:48	Initial cal 2
MSJ533-ICV533	J10286.D	05/10/07	10:33	15:54	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M64555
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ533-BFB
Lab File ID: J10286A.D
Instrument ID: GCMSJ
Injection Date: 05/10/07
Injection Time: 10:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	58752	17.6		Pass
75	30.0 - 66.0% of mass 95	163184	48.9		Pass
95	Base peak, 100% relative abundance	333840	100.0		Pass
96	5.0 - 9.0% of mass 95	23018	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	359152	107.6		Pass
175	4.0 - 9.0% of mass 174	15166	4.5	(4.2) [a]	Pass
176	93.0 - 101.0% of mass 174	348720	104.5	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	21654	6.5	(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
MSJ533-CC533	J10286A.D	05/10/07	10:33	00:00	Continuing cal 10
MSJ533-BS	J10286B.D	05/10/07	10:33	00:00	Blank Spike
MSJ533-MB	J10288.D	05/10/07	12:14	01:41	Method Blank
MSJ533-SCC	J10288A.D	05/10/07	12:14	01:41	Summa Cleaning Certification
M64467-1	J10289.D	05/10/07	13:03	02:30	(used for QC only; not part of job M64555)
ZZZZZZ	J10290.D	05/10/07	13:57	03:24	(unrelated sample)
ZZZZZZ	J10291.D	05/10/07	14:51	04:18	(unrelated sample)
M64467-1DUP	J10293.D	05/10/07	16:47	06:14	Duplicate
M64555-1	J10295.D	05/10/07	18:32	07:59	045162-27 KNOW-1
M64555-2	J10296.D	05/10/07	19:23	08:50	045162-27 KNOW-B
ZZZZZZ	J10297.D	05/10/07	20:12	09:39	(unrelated sample)
ZZZZZZ	J10298.D	05/10/07	20:59	10:26	(unrelated sample)
ZZZZZZ	J10299.D	05/10/07	21:46	11:13	(unrelated sample)
ZZZZZZ	J10300.D	05/10/07	22:33	12:00	(unrelated sample)
ZZZZZZ	J10301.D	05/10/07	23:20	12:47	(unrelated sample)
ZZZZZZ	J10302.D	05/11/07	00:06	13:33	(unrelated sample)
ZZZZZZ	J10303.D	05/11/07	00:51	14:18	(unrelated sample)
MSJ533-SCC	J10305.D	05/11/07	02:21	15:48	Summa Cleaning Certification
MSJ533-SCC	J10306.D	05/11/07	03:06	16:33	Summa Cleaning Certification
MSJ533-SCC	J10307.D	05/11/07	03:50	17:17	Summa Cleaning Certification
MSJ533-SCC	J10308.D	05/11/07	04:35	18:02	Summa Cleaning Certification
MSJ533-SCC	J10309.D	05/11/07	08:22	21:49	Summa Cleaning Certification
MSJ533-SCC	J10310.D	05/11/07	09:07	22:34	Summa Cleaning Certification
MSJ533-SCC	J10311.D	05/11/07	09:52	23:19	Summa Cleaning Certification

Volatile Internal Standard Area Summary

Job Number: M64555
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ517-CC513	**Injection Date:**	04/11/07
Lab File ID:	J9999.D	**Injection Time:**	14:29
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	434153	8.60	1031932	10.42	858154	14.66
Upper Limit [a]	607814	8.93	1444705	10.75	1201416	14.99
Lower Limit [b]	260492	8.27	619159	10.09	514892	14.33

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ517-BS	434153	8.60	1031932	10.42	858154	14.66
MSJ517-MB	470020	8.61	1036198	10.43	852039	14.67
MSJ517-SCC	470020	8.61	1036198	10.43	852039	14.67
M63914-4	399885	8.61	912020	10.43	789844	14.66
M63914-4DUP	392131	8.62	872768	10.44	704577	14.67
ZZZZZZ	359204	8.62	724592	10.43	591031	14.67
ZZZZZZ	470552	8.61	952130	10.43	696027	14.67
ZZZZZZ	390768	8.62	859785	10.44	697926	14.67
ZZZZZZ	386935	8.62	813916	10.44	688082	14.67
ZZZZZZ	514747	8.62	1146574	10.44	804852	14.67
ZZZZZZ	378002	8.59	798293	10.41	661249	14.66
ZZZZZZ	547411	8.62	1316592	10.44	995374	14.67
ZZZZZZ	455232	8.62	982713	10.44	699112	14.67
MSJ517-SCC	288476	8.62	545075*	10.44	442222*	14.67
MSJ517-SCC	325654	8.62	659208	10.44	542944	14.67
MSJ517-SCC	315602	8.62	660218	10.44	557987	14.67
MSJ517-SCC	246114*	8.62	594777*	10.44	477356*	14.67

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: M64555
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ533-CC533	**Injection Date:**	05/10/07
Lab File ID:	J10286A.D	**Injection Time:**	10:33
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	413189	8.62	1835396	10.44	1640141	14.67
Upper Limit [a]	578465	8.95	2569554	10.77	2296197	15.00
Lower Limit [b]	247913	8.29	1101238	10.11	984085	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ533-BS	413189	8.62	1835396	10.44	1640141	14.67
MSJ533-MB	381318	8.62	1690348	10.44	1515608	14.67
MSJ533-SCC	381318	8.62	1690348	10.44	1515608	14.67
M64467-1	362149	8.62	1604778	10.43	1460059	14.67
ZZZZZZ	362860	8.62	1552293	10.43	1515758	14.66
ZZZZZZ	449251	8.61	2059368	10.43	1706065	14.69
M64467-1DUP	333619	8.60	1340934	10.42	1201491	14.66
M64555-1	386660	8.63	1712562	10.44	1576861	14.67
M64555-2	353894	8.63	1439066	10.44	1260168	14.67
ZZZZZZ	355456	8.66	1514660	10.48	1484790	14.68
ZZZZZZ	389440	8.66	1647308	10.47	1556498	14.67
ZZZZZZ	383722	8.66	1663801	10.46	1538544	14.67
ZZZZZZ	410880	8.62	1772361	10.44	1571230	14.67
ZZZZZZ	363537	8.62	1567838	10.44	1415679	14.67
ZZZZZZ	361622	8.62	1590815	10.44	1460787	14.67
ZZZZZZ	372402	8.62	1622994	10.44	1470779	14.67
MSJ533-SCC	308699	8.62	1227895	10.43	1099290	14.67
MSJ533-SCC	361981	8.62	1631570	10.44	1459024	14.67
MSJ533-SCC	324340	8.62	1392533	10.44	1253669	14.67
MSJ533-SCC	314587	8.62	1276511	10.43	1108567	14.67
MSJ533-SCC	294181	8.62	1243989	10.44	1158956	14.67
MSJ533-SCC	314379	8.62	1255223	10.43	1149666	14.67
MSJ533-SCC	320484	8.63	1338572	10.44	1208850	14.67

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: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.62	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
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	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.44	1.070	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	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	11.94	10.44	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	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.18	8.62	0.601	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.91	8.62	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	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	15.80	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.44	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.52	8.62	0.756	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.67	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	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	8.62	8.29-8.95	510561	ok	512996	307798-718194
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1233742	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1022893	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.45	1.063	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
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	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.67	8.63	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.68	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.27	8.63	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.38	10.45	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	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	11.17	10.45	1.069	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.63	0.472	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	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.92	14.68	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.68	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.20	8.63	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.11	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.008	0.948-1.068
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.33	8.63	0.502	ok	0.502	0.442-0.562
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.416	1.356-1.476
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.17	14.68	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.63	0.689	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.63	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.00	10.45	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.63	0.897	ok	0.898	0.838-0.958
Nonane	15.99	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.463	0.403-0.523
Styrene	15.69	14.68	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.55	8.63	0.759	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.13	10.45	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.30	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	8.62	8.29-8.95	590664	ok	512996	307798-718194
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1403833	ok	1235702	741421-1729983
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1176391	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.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	0.657	0.597-0.717
1,3-Butadiene	4.59	8.63	0.532	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.63	0.562	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	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	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.38	10.45	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	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	10.90	10.45	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.45	1.069	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.06	8.63	0.470	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.68	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	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	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.19	8.63	0.601	ok	0.604	0.544-0.664
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	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.63	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.45	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.416	1.356-1.476
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.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	0.898	0.838-0.958
Isopropylbenzene	16.43	14.68	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.63	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.45	1.147	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.898	0.838-0.958
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.99	8.63	0.462	ok	0.463	0.403-0.523
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.68	1.381	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.63	0.757	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.45	1.233	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	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	8.62	8.29-8.95	565791	ok	512996	307798-718194
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1377948	ok	1235702	741421-1729983
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1129644	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.63	0.656	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.44	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.63	0.562	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	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	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	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	9.45	8.63	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
1,4-Dioxane	11.18	10.44	1.071	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	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	10.44	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	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.19	8.63	0.601	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	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	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.63	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.63	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.63	0.897	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	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	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.52	8.63	0.756	ok	0.759	0.699-0.819
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.63	1.065	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	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	8.63	ok	8.62	8.29-8.95	529798	ok	512996	307798-718194
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1319486	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1061226	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.61	0.656	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.61	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.61	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.61	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.66	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.61	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.64	8.61	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.66	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.61	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.61	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.61	0.746	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	8.61	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.88	10.43	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.61	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	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	17.90	14.66	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethanol	5.18	8.61	0.602	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.66	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	14.66	1.171	ok	1.170	1.110-1.230
Freon 113	6.77	8.61	0.786	ok	0.787	0.727-0.847
Freon 114	4.33	8.61	0.503	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.66	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: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.66	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.91	8.61	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.53	8.61	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.06	8.61	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.98	10.43	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.61	0.898	ok	0.898	0.838-0.958
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.61	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.61	0.465	ok	0.463	0.403-0.523
Styrene	15.67	14.66	1.069	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	15.78	14.66	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.66	1.383	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.51	8.61	0.756	ok	0.759	0.699-0.819
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.61	1.065	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.61	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.61	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.61	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	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	8.61	ok	8.62	8.29-8.95	441731	ok	512996	307798-718194
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1006876	ok	1235702	741421-1729983
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	802111	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.62	0.659	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.39	8.62	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.67	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.62	0.795	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	0.583	0.523-0.643
Chloroform	8.73	8.62	1.013	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.62	0.886	ok	0.888	0.828-0.948
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	10.43	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.23	10.43	1.077	ok	1.071	1.011-1.131
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	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	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	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.24	8.62	0.608	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.67	0.900	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.689	0.629-0.749
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.01	10.43	1.151	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.75	8.62	0.899	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.01	8.62	0.465	ok	0.463	0.403-0.523
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.29	14.67	1.383	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.759	0.699-0.819
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.21	8.62	1.068	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
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	8.62	ok	8.62	8.29-8.95	461363	ok	512996	307798-718194
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1100926	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	838778	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.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	8.61	0.661	ok	0.657	0.597-0.717
1,3-Butadiene	4.57	8.61	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.85	8.61	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.61	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.61	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.61	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.61	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.35	10.43	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.61	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.61	0.746	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	8.61	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.88	10.43	1.043	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.67	0.907	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	17.90	14.67	1.220	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethanol	5.25	8.61	0.610	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.61	1.010	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.61	0.786	ok	0.787	0.727-0.847
Freon 114	4.32	8.61	0.502	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.63	8.61	1.002	ok	1.001	0.941-1.061
2-Hexanone	13.20	14.67	0.900	ok	0.898	0.838-0.958

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.99	8.61	0.696	ok	0.689	0.629-0.749
Methylene chloride	6.54	8.61	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.10	8.61	0.941	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.02	10.43	1.152	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.75	8.61	0.900	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.61	0.712	ok	0.712	0.652-0.772
Propylene	3.98	8.61	0.462	ok	0.463	0.403-0.523
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	12.61	10.43	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.61	8.61	0.768	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.67	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.61	1.072	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.61	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.44	8.61	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.61	0.907	ok	0.905	0.845-0.965
m,p-Xylene	15.26	14.67	1.040	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	8.62	8.29-8.95	491064	ok	512996	307798-718194
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1207102	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	937074	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.62	0.659	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.43	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.62	0.585	ok	0.583	0.523-0.643
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.22	8.62	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.43	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.43	1.045	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	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.43	1.145	ok	1.144	1.084-1.204
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.72	8.62	1.012	ok	1.009	0.949-1.069
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
Isopropyl Alcohol	6.05	8.62	0.702	ok	0.692	0.632-0.752
Methyl ethyl ketone	8.11	8.62	0.941	ok	0.937	0.877-0.997
Methyl Tert Butyl Ether	7.76	8.62	0.900	ok	0.897	0.837-0.957
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
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	10.43	1.210	ok	1.209	1.149-1.269
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.065	1.005-1.125
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Toluene	12.88	10.43	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.43	1.066	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.62	0.517	ok	0.516	0.456-0.576
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	344690	ok	371623	222974-520272
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1460896	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1214337	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.88	14.67	1.219	ok	1.219	1.159-1.279
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	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.62	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.97	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.44	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.24	10.44	1.077	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.06	8.62	0.471	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	7.45	8.62	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.23	8.62	0.607	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.67	0.900	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.01	10.44	1.150	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.60	8.62	0.766	ok	0.760	0.700-0.820
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	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.44	8.62	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.27	14.67	1.041	ok	1.042	0.982-1.102
o-Xylene	15.77	14.67	1.075	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	8.62	8.29-8.95	303253	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1271837	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1022579	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.532	0.472-0.592
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.11	10.45	1.063	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.049	0.989-1.109
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.63	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.219	1.159-1.279
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	0.583	0.523-0.643
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.68	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.38	10.45	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.63	1.097	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	11.18	10.45	1.070	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.06	8.63	0.470	ok	0.472	0.412-0.532
Dibromochloromethane	13.35	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.92	14.68	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.20	8.63	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.11	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.32	8.63	0.501	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.68	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.63	0.692	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.63	0.759	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.63	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.01	10.45	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.897	0.837-0.957
Nonane	15.99	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.99	8.63	0.462	ok	0.463	0.403-0.523
Styrene	15.69	14.68	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.82	14.68	1.078	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.65	10.45	1.211	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.57	8.63	0.761	ok	0.760	0.700-0.820
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.13	10.45	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
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	8.62	8.29-8.95	404357	ok	371623	222974-520272
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1793963	ok	1631886	979132-2284640
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1690369	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.63	0.532	ok	0.532	0.472-0.592
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.45	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.68	1.050	ok	1.049	0.989-1.109
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.45	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	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	10.90	10.45	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.45	1.069	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.68	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
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	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.20	8.63	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.63	1.007	ok	1.009	0.949-1.069
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.33	8.63	0.502	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.415	1.355-1.475
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	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	0.898	0.838-0.958
Isopropylbenzene	16.43	14.68	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.94	8.63	0.688	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.63	0.759	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.45	1.147	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.897	0.837-0.957
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.99	8.63	0.462	ok	0.463	0.403-0.523
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.54	8.63	0.758	ok	0.760	0.700-0.820
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	1.234	1.174-1.294
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	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	8.62	8.29-8.95	404934	ok	371623	222974-520272
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1815477	ok	1631886	979132-2284640
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1676330	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.62	0.657	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.62	0.531	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.049	0.989-1.109
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.44	1.070	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.21	8.62	0.604	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.62	0.687	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.62	0.758	ok	0.760	0.700-0.820
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	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	8.62	8.29-8.95	412358	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1821050	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1621470	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.62	0.657	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.62	0.531	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.39	8.62	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.44	1.071	ok	1.071	1.011-1.131
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	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.20	8.62	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.93	8.62	0.688	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.463	0.403-0.523
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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.62	0.758	ok	0.760	0.700-0.820
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.88	10.44	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
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	8.62	8.29-8.95	366773	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1563527	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1351983	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.490	0.430-0.550
3-Chloropropene	6.67	8.62	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.44	1.073	ok	1.071	1.011-1.131
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	0.865	0.805-0.925
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	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.22	8.62	0.606	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64555
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	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.62	0.690	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.00	10.44	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.56	8.62	0.761	ok	0.760	0.700-0.820
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.20	8.62	1.067	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.44	8.62	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.62	0.906	ok	0.905	0.845-0.965
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	8.62	ok	8.62	8.29-8.95	364997	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1696449	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1441208	ok	1431182	858709-2003655

Volatile Surrogate Recovery Summary

Job Number: M64555
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
M64555-1	J10295.D	97.0
M64555-2	J10296.D	92.0
M64467-1DUP	J10293.D	94.0
MSJ517-SCC	J10016.D	77.0
MSJ533-BS	J10286B.D	111.0
MSJ533-MB	J10288.D	95.0
MSJ517-BS	J9999A.D	107.0
MSJ517-MB	J10001.D	84.0

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

Initial Calibration Summary

Job Number: M64555 **Sample:** MSJ513-ICC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9928.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Calibration Files
40 =J9929.D 20 =J9930.D 10 =J9928.D 5 =J9931.D
2 =J9932.D .5 =J9933.D .2 =J9934.D 4 =J9648.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	2.151	2.249	2.208	2.240	2.550	2.402	2.073		2.268	7.06
3) PROPYLENE	0.326	0.359	0.358	0.378	0.415	0.355	0.312		0.358	9.40
4) FREON 114	1.882	1.950	1.813	1.917	2.127	1.951	1.751		1.913	6.26
5) CHLOROMETHAN	0.434	0.484	0.462	0.510	0.598	0.565	0.531		0.512	11.24
6) VINYL CHLORI	0.506	0.550	0.519	0.567	0.616	0.534	0.451		0.535	9.63
7) 1,3-BUTADIEN	0.445	0.474	0.473	0.493	0.527	0.376	0.308		0.442	17.04
8) BROMOMETHANE	0.572	0.606	0.570	0.587	0.663	0.614	0.543		0.594	6.50
9) CHLOROETHANE	0.230	0.256	0.225	0.236	0.306	0.245	0.228		0.247	11.53
10) TRICHLOROFLU	2.422	2.452	2.423	2.357	2.704	2.408	2.419		2.455	4.62
11) ISOPROPYL AL	0.754	0.819	0.690	0.651	1.543	1.257	1.101		0.974	34.53
----- Linear regression ----- Coefficient = 0.9940										
Response Ratio = 0.03121 + 0.75218 *A										
12) ACETONE	0.747	0.797	0.701	0.707	1.611	1.304	1.244		1.016	36.04
----- Linear regression ----- Coefficient = 0.9951										
Response Ratio = 0.04277 + 0.73984 *A										
13) PENTANE	0.492	0.527	0.513	0.539	0.639	0.605	0.623		0.563	10.40
14) 1,1-DICHLORO	0.599	0.620	0.577	0.558	0.644	0.531	0.467		0.571	10.37
15) CARBON DISUL	1.744	1.813	1.776	1.774	2.081	1.929	1.754		1.839	6.73
16) ETHANOL	0.122	0.130	0.113	0.118	0.346	0.279	0.225		0.190	49.20
----- Quadratic regression ----- Coefficient = 0.9902										
Response Ratio = 0.01250 + 0.11657 *A + 0.00074 *A^2										
17) BROMOETHENE	0.591	0.613	0.563	0.551	0.596	0.491	0.422		0.547	12.45
18) METHYLENE CH	0.563	0.572	0.532	0.535	0.879	0.883	0.974		0.705	27.80
19) 3-CHLOROPROP	0.584	0.571	0.541	0.514	0.659	0.506	0.531		0.558	9.48
20) FREON 113	1.497	1.416	1.283	1.170	1.391	1.201	1.150		1.301	10.41
21) TRANS-1,2-DI	0.680	0.683	0.641	0.622	0.698	0.570	0.512		0.630	10.81
22) TERTIARY BUT	1.079	1.134	0.958	0.859	1.193	0.915	0.665		0.972	18.65
23) METHYL TERTI	1.491	1.526	1.327	1.257	1.658	1.195	0.929		1.340	18.16
24) TETRAHYDROFU	0.425	0.433	0.374	0.355	0.482	0.287	0.198		0.365	26.50
25) HEXANE	0.775	0.765	0.743	0.737	1.026	0.895	0.970		0.844	14.04
26) VINYL ACETAT	0.956	0.960	0.819	0.790	1.103	0.834	0.667		0.876	16.24
27) 1,1-DICHLORO	1.156	1.165	1.085	1.077	1.398	1.225	1.036		1.163	10.46
28) METHYL ETHYL	0.870	0.907	0.817	0.798	1.498	1.105	0.869		0.980	25.44
29) cis-1,2-DICH	0.766	0.753	0.689	0.663	0.799	0.666	0.573		0.701	11.03
30) ETHYL ACETAT	0.953	0.985	0.884	0.856	1.388	1.006	0.992		1.009	17.47
31) CHLOROFORM	1.919	1.913	1.861	1.793	2.330	2.019	1.781		1.945	9.67
32) 1,1,1-TRICHL	1.771	1.608	1.465	1.325	1.780	1.397	1.256		1.515	13.86
33) CARBON TETRA	2.238	2.025	1.852	1.673	2.065	1.760	1.616		1.890	12.03
34) 1,2-DICHLORO	0.849	0.836	0.752	0.718	0.894	0.691	0.626		0.767	12.59
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.534	0.496	0.444	0.402	0.573	0.383	0.308		0.448	20.62

Initial Calibration Summary

Job Number: M64555 **Sample:** MSJ513-ICC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9928.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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37) CYCLOHEXANE  0.245 0.233 0.217 0.195 0.234 0.141 0.108       0.196  26.65
38) TRICHLOROETH       0.315 0.262 0.232 0.292 0.211 0.140       0.242  25.97
39) 1,2-DICHLORO 0.192 0.175 0.155 0.144 0.209 0.146 0.133       0.165  16.86
40) BROMODICHLOR 0.661 0.576 0.481 0.443 0.599 0.464 0.383       0.515  19.18
41) 2,2,4-TRIMET 1.084 0.952 0.845 0.718 1.056 0.625 0.434       0.816  29.20
42) 1,4-DIOXANE  0.095 0.093 0.074 0.057 0.124 0.050             0.082  33.30
            ----- Linear regression -----  Coefficient =  0.9947
              Response Ratio = -0.00842 + 0.09649 *A

43) HEPTANE      0.320 0.299 0.270 0.249 0.333 0.199 0.144       0.259  26.29
44) METHYL ISOBU 0.428 0.420 0.357 0.316 0.438 0.196 0.125       0.326  37.64
            ----- Linear regression -----  Coefficient =  0.9979
              Response Ratio = -0.02661 + 0.43150 *A

45) cis-1,3-DICH 0.298 0.282 0.242 0.206 0.207 0.116 0.083       0.205  39.22
            ----- Linear regression -----  Coefficient =  0.9976
              Response Ratio = -0.02707 + 0.30126 *A

46) TOLUENE      0.429 0.357 0.300 0.267 0.339 0.185 0.149       0.290  33.88
            ----- Linear regression -----  Coefficient =  0.9902
              Response Ratio = -0.05318 + 0.42689 *A

47) trans-1,3-DI 0.260 0.242 0.196 0.164 0.126 0.067 0.032       0.155  55.22
            ----- Linear regression -----  Coefficient =  0.9962
              Response Ratio = -0.03099 + 0.26364 *A

48) 1,1,2-TRICHL 0.216 0.198 0.167 0.154 0.206 0.142 0.127       0.173  19.79

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50) 2-HEXANONE   0.429 0.413 0.333 0.291 0.433 0.189 0.126       0.316  38.54
            ----- Linear regression -----  Coefficient =  0.9964
              Response Ratio = -0.03432 + 0.43259 *A

51) TETRACHLOROE       0.366 0.266 0.233 0.293 0.220 0.165       0.257  26.79
52) DIBROMOCHLOR 0.798 0.688 0.537 0.484 0.641 0.464 0.357       0.567  26.57
53) 1,2-DIBROMOE 0.507 0.450 0.353 0.319 0.329 0.219 0.154       0.333  36.63
            ----- Linear regression -----  Coefficient =  0.9934
              Response Ratio = -0.06224 + 0.50902 *A

54) CHLOROBENZEN 0.700 0.627 0.509 0.471 0.475 0.359 0.289       0.490  29.04
55) ETHYLBENZENE 1.219 1.052 0.847 0.741 0.820 0.380 0.287       0.764  43.94
         ----- Quadratic regression -----                Coefficient =  0.9994
              Response Ratio = -0.03348 + 0.84744 *A + 0.09570 *A^2

56) m,p-XYLENE   0.545 0.442 0.337 0.291 0.316 0.146 0.086       0.309  51.38
         ----- Quadratic regression -----                Coefficient =  0.9995
              Response Ratio = -0.02686 + 0.32212 *A + 0.02847 *A^2

57) o-XYLENE     0.626 0.513 0.378 0.309 0.356 0.144 0.100       0.347  53.94
         ----- Quadratic regression -----                Coefficient =  0.9991
              Response Ratio = -0.01997 + 0.37428 *A + 0.06451 *A^2

58) STYRENE      0.718 0.597 0.456 0.344 0.151 0.059             0.387  65.59
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.05968 + 0.48429 *A + 0.06245 *A^2

59) NONANE       0.617 0.587 0.506 0.460 0.622 0.268 0.163       0.460  39.05
            ----- Linear regression -----  Coefficient =  0.9976
              Response Ratio = -0.04227 + 0.61966 *A
```

Initial Calibration Summary

Job Number: M64555 **Sample:** MSJ513-ICC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9928.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
60) BROMOFORM    0.858 0.679 0.490 0.404 0.506 0.316 0.247       0.500  42.24
         ----- Quadratic regression -----                Coefficient =  0.9992
              Response Ratio = -0.01822 + 0.46168 *A + 0.10071 *A^2

61) 4-BROMOFLUOR 0.757 0.715 0.664 0.592 0.559 0.464 0.443       0.599  20.08
62) 1,1,2,2-TETR       0.779 0.607 0.516 0.841 0.498 0.371       0.602  29.72
63) ISOPROPYLBEN 1.782 1.483 1.113 0.905 1.127 0.484 0.325       1.031  50.01
         ----- Quadratic regression -----                Coefficient =  0.9991
              Response Ratio = -0.05335 + 1.10578 *A + 0.17360 *A^2

64) 2-CHLOROTOLU 1.252 1.042 0.778 0.611 0.601 0.269 0.200       0.679  56.34
         ----- Quadratic regression -----                Coefficient =  0.9990
              Response Ratio = -0.05130 + 0.78456 *A + 0.12095 *A^2

65) 4-ETHYLTOLUE 1.585 1.270 0.900 0.672 0.571 0.230 0.144       0.768  68.61
         ----- Quadratic regression -----                Coefficient =  0.9990
              Response Ratio = -0.07188 + 0.89451 *A + 0.17837 *A^2

66) 1,3,5-TRIMET 1.589 1.287 0.908 0.700 0.859 0.299 0.199       0.835  59.68
         ----- Quadratic regression -----                Coefficient =  0.9988
              Response Ratio = -0.05716 + 0.90615 *A + 0.17555 *A^2

67) 1,2,4-TRIMET 1.539 1.218 0.850 0.622 0.599 0.197 0.144       0.738  69.12
         ----- Quadratic regression -----                Coefficient =  0.9989
              Response Ratio = -0.06616 + 0.83550 *A + 0.18110 *A^2

68) m-DICHLOROBE 1.077 0.788 0.535 0.396 0.198 0.108 0.064       0.452  83.06
         ----- Quadratic regression -----                Coefficient =  0.9994
              Response Ratio = -0.04302 + 0.47458 *A + 0.15394 *A^2

69) BENZYL CHLOR 0.833 0.660 0.463 0.329 0.122 0.077 0.050       0.362  84.30
         ----- Quadratic regression -----                Coefficient =  0.9988
              Response Ratio = -0.04832 + 0.46417 *A + 0.09582 *A^2

70) p-DICHLOROBE 0.945 0.706 0.485 0.360 0.124 0.059 0.036       0.388  89.51
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.04432 + 0.44728 *A + 0.12788 *A^2

71) o-DICHLOROBE 0.984 0.718 0.477 0.344 0.258 0.126 0.106       0.431  75.06
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.03507 + 0.42021 *A + 0.14387 *A^2

72) HEXACHLOROBU 0.579 0.332 0.197 0.154 1.109 0.656 0.489       0.502  65.10
         ----- Quadratic regression -----                Coefficient =  0.9933
              Response Ratio = 0.06691 + 0.02213 *A + 0.13520 *A^2

73) 1,2,4-TRICHL 0.218 0.155 0.097 0.073 0.065 0.039 0.032       0.097  69.39
         ----- Quadratic regression -----                Coefficient =  0.9992
              Response Ratio = -0.00628 + 0.08312 *A + 0.03433 *A^2

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

          J040507T.M        Fri Apr 06 09:43:08 2007
```

Initial Calibration Verification

Job Number: M64555 **Sample:** MSJ513-ICV513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9935.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J9935.D Vial: 4
Acq On : 5 Apr 2007 5:39 pm Operator: PhilipB
Sample : ICV513-10 (M119) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 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)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	104	0.00	8.63
2	m	DICHLORODIFLUOROMETHANE	2.268	2.179	3.9	103	0.00	4.07
3	m	PROPYLENE	0.358	0.417	-16.5	122	0.00	3.99
4	m	FREON 114	1.913	1.878	1.8	108	0.00	4.33
5	m	CHLOROMETHANE	0.512	0.545	-6.4	123	0.00	4.23
6	m	VINYL CHLORIDE	0.535	0.590	-10.3	119	0.00	4.45
7	m	1,3-BUTADIENE	0.442	0.535	-21.0	118	0.00	4.58
8	m	BROMOMETHANE	0.594	0.590	0.7	108	0.00	4.86
9	m	CHLOROETHANE	0.247	0.263	-6.5	122	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	2.455	2.317	5.6	100	0.00	5.80
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	9.319	6.8	111	0.00	5.92
12	m	ACETONE	10.000	9.994	0.1	117	0.00	5.65
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.563	0.605	-7.5	123	0.00	6.14
14	m	1,1-DICHLOROETHYLENE	0.571	0.584	-2.3	106	0.00	6.43
15	m	CARBON DISULFIDE	1.839	1.884	-2.4	111	0.00	6.85
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	8.998	10.0	109	0.00	5.18
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.547	0.557	-1.8	103	0.00	5.39
18	m	METHYLENE CHLORIDE	0.705	0.563	20.1	110	0.00	6.55
19	m	3-CHLOROPROPENE	0.558	0.569	-2.0	110	0.00	6.66
20	m	FREON 113	1.301	1.217	6.5	99	0.00	6.80
21	m	TRANS-1,2-DICHLOROETHYLEN	0.630	0.649	-3.0	106	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	0.972	0.957	1.5	104	0.00	6.51
23	m	METHYL TERTIARY BUTYL ETH	1.340	1.337	0.2	105	0.00	7.73
24	m	TETRAHYDROFURAN	0.365	0.424	-16.2	118	0.00	9.18
25	m	HEXANE	0.844	0.799	5.3	112	0.00	8.63
26	m	VINYL ACETATE	0.876	0.893	-1.9	114	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.163	1.165	-0.2	112	0.00	7.66
28	m	METHYL ETHYL KETONE	0.980	0.900	8.2	115	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.701	0.729	-4.0	110	0.00	8.46
30	m	ETHYL ACETATE	1.009	0.979	3.0	116	0.00	8.69
31	m	CHLOROFORM	1.945	1.952	-0.4	109	0.00	8.75
32	m	1,1,1-TRICHLOROETHANE	1.515	1.445	4.6	103	0.00	9.69
33	m	CARBON TETRACHLORIDE	1.890	1.816	3.9	102	0.00	10.26
34	m	1,2-DICHLOROETHANE	0.767	0.769	-0.3	107	0.00	9.45

Initial Calibration Verification

Job Number: M64555 **Sample:** MSJ513-ICV513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9935.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	109	0.00	10.44
36	m	BENZENE	0.448	0.464	-3.6	114	0.00	10.13
37	m	CYCLOHEXANE	0.196	0.223	-13.8	113	0.00	10.37
38	m	TRICHLOROETHYLENE	0.242	0.276	-14.0	115	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.165	0.173	-4.8	122	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.515	0.502	2.5	114	0.00	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.816	0.958	-17.4	124	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	8.852	11.5	113	0.00	11.17
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.259	0.318	-22.8	129	0.00	11.36
		----------	True	Calc.	% Drift	----------		
44	m	METHYL ISOBUTYL KETONE	10.000	9.975	0.3	124	0.00	11.99
45	m	cis-1,3-DICHLOROPROPENE	10.000	9.200	8.0	113	0.00	11.94
46	m	TOLUENE	10.000	8.660	13.4	115	0.00	12.89
47	m	trans-1,3-DICHLOROPROPENE	10.000	8.812	11.9	112	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.173	0.181	-4.6	119	0.00	12.63
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	111	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	9.150	8.5	120	0.00	13.16
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.257	0.260	-1.2	108	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.567	0.528	6.9	109	0.00	13.33
		----------	True	Calc.	% Drift	----------		
53	m	1,2-DIBROMOETHANE	10.000	8.290	17.1	113	0.00	13.57
		----------	AvgRF	CCRF	% Dev	----------		
54	m	CHLOROBENZENE	0.429	0.527	-22.8	115	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	9.756	2.4	116	0.00	15.09
56	m	m,p-XYLENE	20.000	19.491	2.5	117	0.00	15.29
57	m	o-XYLENE	10.000	9.528	4.7	116	0.00	15.79
58	m	STYRENE	10.000	9.599	4.0	113	0.00	15.67
59	m	NONANE	10.000	10.456	-4.6	133	0.00	15.97
60	m	BROMOFORM	10.000	9.081	9.2	110	0.00	15.40
		----------	AvgRF	CCRF	% Dev	----------		
61	S	4-BROMOFLUOROBENZENE	0.524	0.672	-28.2	112	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.602	0.682	-13.3	125	0.00	15.79
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	9.505	4.9	115	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	9.628	3.7	116	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	9.439	5.6	115	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.344	6.6	115	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.280	7.2	113	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	9.390	6.1	112	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	9.502	5.0	115	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	9.356	6.4	111	0.00	17.99

Initial Calibration Verification

Job Number: M64555 **Sample:** MSJ513-ICV513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9935.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

71 m	o-DICHLOROBENZENE	10.000	9.183	8.2	110	0.00	18.37
72 m	HEXACHLOROBUTADIENE	10.000	8.562	14.4	104	0.00	20.77
73 m	1,2,4-TRICHLOROBENZENE	10.000	8.827	11.7	107	0.00	20.28

		AvgRF	CCRF	% Dev
74 m	NAPHTHALENE			NA

(0.0 %) 0 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J9928.D J040507T.M Fri Apr 06 09:40:59 2007

Continuing Calibration Summary

Job Number: M64555 **Sample:** MSJ517-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9999.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\J9999.D                    Vial: 1
Acq On    : 11 Apr 2007   2:29 pm                    Operator: PhilipB
Sample    : CC513-10 (M119)                          Inst    : MSJ
Misc      : MS13358, MSJ517,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Thu Apr 05 17:22:46 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)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	85	-0.03	8.60
2	m	DICHLORODIFLUOROMETHANE	2.268	2.402	-5.9	92	0.00	4.06
3	m	PROPYLENE	0.358	0.416	-16.2	99	0.00	3.98
4	m	FREON 114	1.913	1.901	0.6	89	-0.01	4.31
5	m	CHLOROMETHANE	0.512	0.533	-4.1	98	-0.01	4.22
6	m	VINYL CHLORIDE	0.535	0.506	5.4	83	-0.01	4.44
7	m	1,3-BUTADIENE	0.442	0.528	-19.5	95	-0.02	4.57
8	m	BROMOMETHANE	0.594	0.546	8.1	81	-0.02	4.84
9	m	CHLOROETHANE	0.247	0.233	5.7	88	-0.02	5.01
10	m	TRICHLOROFLUOROMETHANE	2.455	2.496	-1.7	88	-0.02	5.77
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	7.658	23.4	75	-0.04	5.88
12	m	ACETONE	10.000	9.577	4.2	91	-0.03	5.62
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.563	0.473	16.0	78	-0.03	6.11
14	m	1,1-DICHLOROETHYLENE	0.571	0.500	12.4	74	-0.03	6.40
15	m	CARBON DISULFIDE	1.839	1.536	16.5	74	-0.03	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	8.740	12.6	86	-0.03	5.15
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.547	0.512	6.4	77	-0.02	5.36
18	m	METHYLENE CHLORIDE	0.705	0.458	35.0#	73	-0.03	6.52
19	m	3-CHLOROPROPENE	0.558	0.530	5.0	83	-0.03	6.64
20	m	FREON 113	1.301	1.176	9.6	78	-0.04	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.630	0.512	18.7	68	-0.03	7.43
22	m	TERTIARY BUTYL ALCOHOL	0.972	0.721	25.8	64	-0.04	6.48
23	m	METHYL TERTIARY BUTYL ETH	1.340	1.051	21.6	67	-0.03	7.70
24	m	TETRAHYDROFURAN	0.365	0.377	-3.3	86	-0.03	9.15
25	m	HEXANE	0.844	0.647	23.3	74	-0.04	8.60
26	m	VINYL ACETATE	0.876	0.707	19.3	73	-0.03	7.77
27	m	1,1-DICHLOROETHANE	1.163	0.898	22.8	70	-0.03	7.63
28	m	METHYL ETHYL KETONE	0.980	0.693	29.3	72	-0.04	8.03
29	m	cis-1,2-DICHLOROETHYLENE	0.701	0.627	10.6	77	-0.03	8.44
30	m	ETHYL ACETATE	1.009	0.825	18.2	79	-0.03	8.66
31	m	CHLOROFORM	1.945	1.904	2.1	87	-0.03	8.72
32	m	1,1,1-TRICHLOROETHANE	1.515	1.579	-4.2	92	-0.03	9.66
33	m	CARBON TETRACHLORIDE	1.890	2.087	-10.4	96	-0.03	10.24
34	m	1,2-DICHLOROETHANE	0.767	0.798	-4.0	90	-0.03	9.43

Continuing Calibration Summary

Job Number: M64555 **Sample:** MSJ517-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9999.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	84	-0.03	10.42
36	m	BENZENE	0.448	0.442	1.3	83	-0.03	10.10
37	m	CYCLOHEXANE	0.196	0.221	-12.8	85	-0.02	10.35
38	m	TRICHLOROETHYLENE	0.242	0.269	-11.2	86	-0.02	11.10
39	m	1,2-DICHLOROPROPANE	0.165	0.159	3.6	86	-0.02	10.88
40	m	BROMODICHLOROMETHANE	0.515	0.553	-7.4	96	-0.02	11.07
41	m	2,2,4-TRIMETHYLPENTANE	0.816	0.830	-1.7	82	-0.02	11.10
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	8.546	14.5	83	-0.02	11.14
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.259	0.306	-18.1	95	-0.02	11.34
		----------	True	Calc.	% Drift	----------		
44	m	METHYL ISOBUTYL KETONE	10.000	10.227	-2.3	97	-0.02	11.97
45	m	cis-1,3-DICHLOROPROPENE	10.000	8.283	17.2	77	-0.02	11.92
46	m	TOLUENE	10.000	8.036	19.6	81	-0.02	12.88
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.507	4.9	94	-0.02	12.43
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.173	0.171	1.2	86	-0.02	12.61
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	-0.01	14.66
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	10.087	-0.9	101	-0.01	13.15
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.257	0.242	5.8	76	-0.02	14.00
52	m	DIBROMOCHLOROMETHANE	0.567	0.593	-4.6	93	-0.01	13.32
		----------	True	Calc.	% Drift	----------		
53	m	1,2-DIBROMOETHANE	10.000	8.275	17.2	85	-0.02	13.56
		----------	AvgRF	CCRF	% Dev	----------		
54	m	CHLOROBENZENE	0.429	0.514	-19.8	85	0.00	14.71
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	9.431	5.7	84	0.00	15.09
56	m	m,p-XYLENE	20.000	18.232	8.8	81	-0.01	15.28
57	m	o-XYLENE	10.000	8.570	14.3	77	0.00	15.78
58	m	STYRENE	10.000	8.986	10.1	78	0.00	15.66
59	m	NONANE	10.000	9.193	8.1	87	-0.01	15.97
60	m	BROMOFORM	10.000	9.182	8.2	84	0.00	15.39
		----------	AvgRF	CCRF	% Dev	----------		
61	S	4-BROMOFLUOROBENZENE	0.524	0.642	-22.5	81	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.602	0.582	3.3	80	0.00	15.79
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	8.934	10.7	81	0.00	16.42
64	m	2-CHLOROTOLUENE	10.000	9.008	9.9	81	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	9.477	5.2	87	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.945	10.5	83	0.00	17.25
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.819	11.8	80	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	8.554	14.5	75	0.00	17.90
69	m	BENZYL CHLORIDE	10.000	9.776	2.2	90	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	8.126	18.7	70	0.00	17.98

Continuing Calibration Summary

Job Number: M64555 **Sample:** MSJ517-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9999.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

71 m	o-DICHLOROBENZENE	10.000	8.517	14.8	75	0.00	18.37
72 m	HEXACHLOROBUTADIENE	10.000	9.607	3.9	91	0.00	20.76
73 m	1,2,4-TRICHLOROBENZENE	10.000	9.190	8.1	85	0.00	20.28

		AvgRF	CCRF	% Dev
74 m	NAPHTHALENE			NA

(1.4 %) 1 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J9928.D J040507T.M Wed Apr 11 15:29:37 2007

Initial Calibration Summary

Job Number: M64555 **Sample:** MSJ533-ICC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10281.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Calibration Files
40 =J10279.D 20 =J10280.D 10 =J10281.D 5 =J10282.D
2 =J10283.D .5 =J10278.D .2 =J10277.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.120	3.273	3.238	3.596	3.635	3.947	3.789		3.514	8.80
3) PROPYLENE	0.441	0.464	0.450	0.457	0.379	0.218			0.402	23.69
4) FREON 114	2.706	2.781	2.678	2.746	3.317	3.295	3.221		2.963	10.03
5) CHLOROMETHAN	0.602	0.633	0.604	0.652	0.731	0.673	0.672		0.652	6.91
6) VINYL CHLORI	0.763	0.812	0.777	0.773	0.816	0.980	0.812		0.819	9.06
7) 1,3-BUTADIEN	0.552	0.559	0.516	0.517	0.534	0.488	0.294		0.494	18.50
8) BROMOMETHANE	0.932	0.971	0.917	0.948	1.092	1.087	0.996		0.992	7.20
9) CHLOROETHANE	0.367	0.372	0.350	0.338	0.318	0.384	0.206		0.334	18.18
10) TRICHLOROFLU	3.269	3.266	3.181	3.251	3.916	4.248	3.920		3.579	12.17
11) ISOPROPYL AL	0.852	0.902	0.781	0.676	0.501	0.568	1.000		0.754	24.06
12) ACETONE	0.914	0.907	0.813	0.792	0.851	1.346	2.038		1.094	41.70
----- Linear regression ----- Coefficient = 0.9988										
Response Ratio = -0.02062 + 0.91416 *A										
13) PENTANE	0.602	0.607	0.593	0.591	0.677	0.660	0.483		0.602	10.38
14) 1,1-DICHLORO	0.932	0.952	0.903	0.862	0.934	0.828	0.857		0.895	5.26
15) CARBON DISUL	2.468	2.554	2.452	2.551	2.910	3.098	2.935		2.710	9.72
16) ETHANOL	0.144	0.147	0.124	0.110	0.115	0.070			0.118	23.84
17) BROMOETHENE	0.969	0.996	0.918	0.892	0.954	0.837	0.751		0.902	9.44
18) METHYLENE CH	0.823	0.825	0.773	0.789	0.859	6.693			1.794	133.82
----- Linear regression ----- Coefficient = 0.9903										
Response Ratio = 0.07890 + 0.79243 *A										
19) 3-CHLOROPROP	0.659	0.593	0.533	0.498	0.531	0.664	0.574		0.579	11.10
20) FREON 113	2.043	2.040	1.931	1.994	2.235	2.559	2.531		2.191	11.84
21) TRANS-1,2-DI	0.908	0.903	0.825	0.807	0.859	0.957	0.832		0.870	6.22
22) TERTIARY BUT	1.256	1.300	1.094	1.012	0.875	0.656			1.032	23.45
23) METHYL TERTI	1.838	1.828	1.586	1.502	1.538	1.685	1.111		1.584	15.61
24) TETRAHYDROFU	0.549	0.538	0.453	0.402	0.375	0.293			0.435	22.71
25) HEXANE	0.917	0.875	0.828	0.809	0.877	1.203	1.259		0.967	19.10
26) VINYL ACETAT	1.179	1.133	0.954	0.870	0.810	0.857			0.967	15.94
27) 1,1-DICHLORO	1.453	1.376	1.294	1.257	1.424	1.694	1.367		1.409	10.13
28) METHYL ETHYL	1.012	1.019	0.886	0.829	0.883	0.918	0.734		0.897	11.12
29) cis-1,2-DICH	0.907	0.846	0.777	0.735	0.847	0.866	0.685		0.809	9.80
30) ETHYL ACETAT	1.132	1.126	0.988	0.901	0.970	1.112	0.808		1.005	12.42
31) CHLOROFORM	2.115	1.982	1.867	1.838	2.157	2.447	2.117		2.075	9.97
32) 1,1,1-TRICHL	2.596	2.404	2.194	2.122	2.383	2.753	2.400		2.408	9.02
33) CARBON TETRA	3.205	3.035	2.890	2.934	3.171	3.638	3.284		3.165	8.01
34) 1,2-DICHLORO	1.269	1.157	1.028	0.997	1.178	1.294	1.081		1.143	10.00
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.525	0.465	0.415	0.389	0.388	0.445	0.359		0.427	13.18
37) CYCLOHEXANE	0.241	0.229	0.214	0.211	0.193	0.169	0.132		0.198	18.90
38) TRICHLOROETH	0.276	0.251	0.230	0.235	0.258	0.259	0.186		0.242	12.03
39) 1,2-DICHLORO	0.169	0.149	0.133	0.131	0.131	0.170	0.122		0.144	13.52

Initial Calibration Summary

Job Number: M64555 **Sample:** MSJ533-ICC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10281.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
40) BROMODICHLOR 0.492 0.444 0.405 0.408 0.448 0.563 0.462       0.460  11.77
41) 2,2,4-TRIMET 0.788 0.745 0.684 0.633 0.568 0.527 0.374       0.617  22.93
42) 1,4-DIOXANE  0.097 0.092 0.076 0.061 0.040 0.013             0.063  51.22
            ----- Linear regression -----  Coefficient =  0.9978
              Response Ratio = -0.01465 + 0.10021 *A

43) HEPTANE      0.240 0.218 0.196 0.184 0.178 0.155 0.100       0.182  25.10
44) METHYL ISOBU 0.304 0.275 0.233 0.210 0.182 0.148             0.225  25.80
45) cis-1,3-DICH 0.282 0.253 0.212 0.189 0.169 0.164 0.117       0.198  28.22
46) TOLUENE      0.398 0.350 0.298 0.274 0.246 0.223 0.170       0.280  27.54
47) trans-1,3-DI 0.280 0.250 0.204 0.177 0.156 0.117             0.197  30.59
            ----- Linear regression -----  Coefficient =  0.9953
              Response Ratio = -0.04344 + 0.28517 *A

48) 1,1,2-TRICHL 0.188 0.169 0.150 0.147 0.156 0.183 0.151       0.163  10.27

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50) 2-HEXANONE   0.289 0.258 0.216 0.198 0.146 0.117             0.204  32.03
            ----- Linear regression -----  Coefficient =  0.9959
              Response Ratio = -0.04283 + 0.29406 *A

51) TETRACHLOROE 0.385 0.340 0.301 0.302 0.320 0.420 0.296       0.338  14.20
52) DIBROMOCHLOR 0.573 0.521 0.476 0.490 0.541 0.706 0.498       0.544  14.49
53) 1,2-DIBROMOE 0.406 0.369 0.322 0.314 0.328 0.353 0.255       0.335  14.15
54) CHLOROBENZEN 0.597 0.553 0.492 0.494 0.550 0.591 0.443       0.531  10.70
55) ETHYLBENZENE 0.945 0.860 0.750 0.711 0.615 0.528 0.353       0.680  29.58
56) m,p-XYLENE   0.391 0.352 0.315 0.301 0.274 0.205 0.142       0.283  30.28
            ----- Linear regression -----  Coefficient =  0.9966
              Response Ratio = -0.06858 + 0.39166 *A

57) o-XYLENE     0.400 0.354 0.316 0.301 0.264 0.212 0.137       0.283  31.16
            ----- Linear regression -----  Coefficient =  0.9958
              Response Ratio = -0.03784 + 0.39955 *A

58) STYRENE      0.576 0.505 0.413 0.338 0.255 0.174             0.377  40.25
            ----- Linear regression -----  Coefficient =  0.9947
              Response Ratio = -0.10022 + 0.58768 *A

59) NONANE       0.364 0.328 0.297 0.276 0.251 0.212             0.288  18.86
60) BROMOFORM    0.637 0.571 0.504 0.489 0.522 0.646 0.501       0.553  11.93
61) 4-BROMOFLUOR 0.708 0.670 0.649 0.564 0.542 0.487 0.487       0.587  15.22
62) 1,1,2,2-TETR 0.536 0.487 0.433 0.429 0.437 0.596 0.365       0.469  16.53
63) ISOPROPYLBEN 1.158 1.034 0.905 0.830 0.739 0.644             0.885  21.41
64) 2-CHLOROTOLU 0.799 0.703 0.597 0.525 0.456 0.418             0.583  25.21
65) 4-ETHYLTOLUE 1.085 0.941 0.781 0.679 0.565 0.410             0.744  33.16
            ----- Linear regression -----  Coefficient =  0.9942
              Response Ratio = -0.17841 + 1.10272 *A

66) 1,3,5-TRIMET 0.968 0.848 0.721 0.632 0.548 0.460             0.696  27.23
67) 1,2,4-TRIMET 0.924 0.779 0.636 0.559 0.448 0.335             0.613  35.12
            ----- Linear regression -----  Coefficient =  0.9923
              Response Ratio = -0.16618 + 0.93823 *A

68) m-DICHLOROBE 0.684 0.567 0.466 0.455 0.452 0.359             0.497  22.70
69) BENZYL CHLOR 0.586 0.470 0.377 0.332 0.253 0.218             0.373  36.91
         ----- Quadratic regression -----                Coefficient =  0.9998
              Response Ratio = -0.01976 + 0.35387 *A + 0.05932 *A^2

70) p-DICHLOROBE 0.640 0.534 0.441 0.429 0.383 0.301             0.455  26.06
71) o-DICHLOROBE 0.613 0.502 0.413 0.384 0.368 0.379             0.443  21.74
```

Initial Calibration Summary

Job Number: M64555 **Sample:** MSJ533-ICC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10281.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
72) HEXACHLOROBU 0.348 0.292 0.256 0.267 0.259 1.126            0.425  81.32
         ----- Quadratic regression -----                 Coefficient =  0.9993
              Response Ratio = 0.02574 + 0.20482 *A + 0.03437 *A^2

73) 1,2,4-TRICHL 0.206 0.171 0.135 0.119 0.090 0.144            0.144  28.01
74) NAPHTHALENE                                                 0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J050907T.M        Thu May 10 11:10:50 2007
```

Continuing Calibration Summary

Job Number: M64555 **Sample:** MSJ533-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10286A.D Vial: 4
Acq On : 10 May 2007 10:33 am Operator: danat
Sample : CC533-10 (M054) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 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	0.00	8.62
2	m	DICHLORODIFLUOROMETHANE	3.514	3.160	10.1	98	0.00	4.07
3	m	PROPYLENE	0.402	0.432	-7.5	96	0.00	3.99
4	m	FREON 114	2.963	2.556	13.7	96	0.00	4.32
5	m	CHLOROMETHANE	0.652	0.598	8.3	99	0.00	4.23
6	m	VINYL CHLORIDE	0.819	0.730	10.9	94	0.00	4.45
7	m	1,3-BUTADIENE	0.494	0.495	-0.2	96	0.00	4.58
8	m	BROMOMETHANE	0.992	0.872	12.1	95	0.00	4.85
9	m	CHLOROETHANE	0.334	0.341	-2.1	97	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	3.579	3.057	14.6	96	0.00	5.79
11	m	ISOPROPYL ALCOHOL	0.754	0.729	3.3	94	0.00	5.92
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	7.722	22.8	84	0.00	5.65
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.602	0.577	4.2	97	0.00	6.13
14	m	1,1-DICHLOROETHYLENE	0.895	0.778	13.1	86	0.00	6.43
15	m	CARBON DISULFIDE	2.710	2.238	17.4	91	0.00	6.85
16	m	ETHANOL	0.118	0.120	-1.7	97	0.00	5.20
17	m	BROMOETHENE	0.902	0.839	7.0	92	0.00	5.38
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.732	22.7	90	0.00	6.54
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.579	0.532	8.1	100	0.00	6.66
20	m	FREON 113	2.191	1.736	20.8	90	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.870	0.768	11.7	93	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.032	0.991	4.0	91	0.00	6.52
23	m	METHYL TERTIARY BUTYL ETH	1.584	1.292	18.4	82	0.00	7.73
24	m	TETRAHYDROFURAN	0.435	0.372	14.5	82	0.00	9.17
25	m	HEXANE	0.967	0.727	24.8	88	0.00	8.63
26	m	VINYL ACETATE	0.967	0.780	19.3	82	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.409	1.192	15.4	92	0.00	7.66
28	m	METHYL ETHYL KETONE	0.897	0.737	17.8	83	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.809	0.692	14.5	89	0.00	8.46
30	m	ETHYL ACETATE	1.005	0.785	21.9	80	0.00	8.68
31	m	CHLOROFORM	2.075	1.724	16.9	93	0.00	8.74
32	m	1,1,1-TRICHLOROETHANE	2.408	2.068	14.1	94	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.165	2.729	13.8	95	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.143	0.925	19.1	90	0.00	9.45

Continuing Calibration Summary

Job Number: M64555 **Sample:** MSJ533-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	10.44
36	m	BENZENE	0.427	0.365	14.5	89	0.00	10.12
37	m	CYCLOHEXANE	0.198	0.193	2.5	91	0.00	10.37
38	m	TRICHLOROETHYLENE	0.242	0.212	12.4	93	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.144	0.117	18.7	88	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.460	0.357	22.4	89	0.00	11.08
41	m	2,2,4-TRIMETHYLPENTANE	0.617	0.647	-4.9	95	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	8.136	18.6	89	0.00	11.16
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.182	0.176	3.3	91	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.225	0.200	11.1	86	0.00	11.98
45	m	cis-1,3-DICHLOROPROPENE	0.198	0.190	4.0	91	0.00	11.94
46	m	TOLUENE	0.280	0.252	10.0	85	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	7.072	29.3	78	0.00	12.44
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.163	0.131	19.6	88	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	101	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	7.381	26.2	82	0.00	13.15
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.338	0.272	19.5	91	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.544	0.414	23.9	88	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.335	0.284	15.2	89	0.00	13.57
54	m	CHLOROBENZENE	0.465	0.436	6.2	90	0.00	14.71
55	m	ETHYLBENZENE	0.680	0.654	3.8	88	0.00	15.09
		----------	True	Calc.	% Drift	----------		
56	m	m,p-XYLENE	20.000	15.871	20.6	89	0.00	15.28
57	m	o-XYLENE	10.000	7.994	20.1	90	0.00	15.78
58	m	STYRENE	10.000	8.041	19.6	91	0.00	15.67
		----------	AvgRF	CCRF	% Dev	----------		
59	m	NONANE	0.288	0.279	3.1	95	0.00	15.97
60	m	BROMOFORM	0.553	0.446	19.3	90	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.513	0.649	-26.5	101	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.469	0.409	12.8	96	0.00	15.79
63	m	ISOPROPYLBENZENE	0.885	0.823	7.0	92	0.00	16.43
64	m	2-CHLOROTOLUENE	0.583	0.559	4.1	95	0.00	16.98
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	7.775	22.2	88	0.00	17.17
		----------	AvgRF	CCRF	% Dev	----------		
66	m	1,3,5-TRIMETHYLBENZENE	0.696	0.670	3.7	94	0.00	17.25
		----------	True	Calc.	% Drift	----------		
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.257	17.4	97	0.00	17.72
		----------	AvgRF	CCRF	% Dev	----------		
68	m	m-DICHLOROBENZENE	0.497	0.486	2.2	106	0.00	17.91

Continuing Calibration Summary

Job Number: M64555 **Sample:** MSJ533-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ----------------------- True    Calc.   % Drift  ------------
69 m   BENZYL CHLORIDE            10.000   9.896      1.0  104   0.00   17.89

            ----------------------- AvgRF   CCRF     % Dev   -------------
70 m   p-DICHLOROBENZENE           0.455   0.457     -0.4  105   0.00   17.98
71 m   o-DICHLOROBENZENE           0.443   0.431      2.7  105   0.00   18.37

            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE        10.000  11.870    -18.7  126   0.00   20.76

            ----------------------- AvgRF   CCRF     % Dev   -------------
73 m   1,2,4-TRICHLOROBENZENE      0.144   0.201    -39.6# 151   0.00   20.27
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

 (  1.4 %)  1 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    J10281.D   J050907T.M       Thu May 10 14:49:31 2007
```

Initial Calibration Verification

Job Number: M64555 **Sample:** MSJ533-ICV533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10286.D Vial: 4
Acq On : 10 May 2007 10:33 am Operator: danat
Sample : ICV533-10 (M054) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 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	0.00	8.62
2	m	DICHLORODIFLUOROMETHANE	3.514	3.160	10.1	98	0.00	4.07
3	m	PROPYLENE	0.402	0.432	-7.5	96	0.00	3.99
4	m	FREON 114	2.963	2.556	13.7	96	0.00	4.32
5	m	CHLOROMETHANE	0.652	0.598	8.3	99	0.00	4.23
6	m	VINYL CHLORIDE	0.819	0.730	10.9	94	0.00	4.45
7	m	1,3-BUTADIENE	0.494	0.495	-0.2	96	0.00	4.58
8	m	BROMOMETHANE	0.992	0.872	12.1	95	0.00	4.85
9	m	CHLOROETHANE	0.334	0.341	-2.1	97	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	3.579	3.057	14.6	96	0.00	5.79
11	m	ISOPROPYL ALCOHOL	0.754	0.729	3.3	94	0.00	5.92
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	7.722	22.8	84	0.00	5.65
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.602	0.577	4.2	97	0.00	6.13
14	m	1,1-DICHLOROETHYLENE	0.895	0.778	13.1	86	0.00	6.43
15	m	CARBON DISULFIDE	2.710	2.238	17.4	91	0.00	6.85
16	m	ETHANOL	0.118	0.120	-1.7	97	0.00	5.20
17	m	BROMOETHENE	0.902	0.839	7.0	92	0.00	5.38
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.732	22.7	90	0.00	6.54
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.579	0.532	8.1	100	0.00	6.66
20	m	FREON 113	2.191	1.736	20.8	90	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.870	0.768	11.7	93	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.032	0.991	4.0	91	0.00	6.52
23	m	METHYL TERTIARY BUTYL ETH	1.584	1.292	18.4	82	0.00	7.73
24	m	TETRAHYDROFURAN	0.435	0.372	14.5	82	0.00	9.17
25	m	HEXANE	0.967	0.727	24.8	88	0.00	8.63
26	m	VINYL ACETATE	0.967	0.780	19.3	82	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.409	1.192	15.4	92	0.00	7.66
28	m	METHYL ETHYL KETONE	0.897	0.737	17.8	83	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.809	0.692	14.5	89	0.00	8.46
30	m	ETHYL ACETATE	1.005	0.785	21.9	80	0.00	8.68
31	m	CHLOROFORM	2.075	1.724	16.9	93	0.00	8.74
32	m	1,1,1-TRICHLOROETHANE	2.408	2.068	14.1	94	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.165	2.729	13.8	95	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.143	0.925	19.1	90	0.00	9.45

Initial Calibration Verification

Job Number: M64555 **Sample:** MSJ533-ICV533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	10.44
36	m	BENZENE	0.427	0.365	14.5	89	0.00	10.12
37	m	CYCLOHEXANE	0.198	0.193	2.5	91	0.00	10.37
38	m	TRICHLOROETHYLENE	0.242	0.212	12.4	93	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.144	0.117	18.7	88	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.460	0.357	22.4	89	0.00	11.08
41	m	2,2,4-TRIMETHYLPENTANE	0.617	0.647	-4.9	95	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	8.136	18.6	89	0.00	11.16
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.182	0.176	3.3	91	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.225	0.200	11.1	86	0.00	11.98
45	m	cis-1,3-DICHLOROPROPENE	0.198	0.190	4.0	91	0.00	11.94
46	m	TOLUENE	0.280	0.252	10.0	85	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	7.072	29.3	78	0.00	12.44
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.163	0.131	19.6	88	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	101	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	7.381	26.2	82	0.00	13.15
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.338	0.272	19.5	91	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.544	0.414	23.9	88	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.335	0.284	15.2	89	0.00	13.57
54	m	CHLOROBENZENE	0.465	0.436	6.2	90	0.00	14.71
55	m	ETHYLBENZENE	0.680	0.654	3.8	88	0.00	15.09
		----------	True	Calc.	% Drift	----------		
56	m	m,p-XYLENE	20.000	15.871	20.6	89	0.00	15.28
57	m	o-XYLENE	10.000	7.994	20.1	90	0.00	15.78
58	m	STYRENE	10.000	8.041	19.6	91	0.00	15.67
		----------	AvgRF	CCRF	% Dev	----------		
59	m	NONANE	0.288	0.279	3.1	95	0.00	15.97
60	m	BROMOFORM	0.553	0.446	19.3	90	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.513	0.649	-26.5	101	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.469	0.409	12.8	96	0.00	15.79
63	m	ISOPROPYLBENZENE	0.885	0.823	7.0	92	0.00	16.43
64	m	2-CHLOROTOLUENE	0.583	0.559	4.1	95	0.00	16.98
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	7.775	22.2	88	0.00	17.17
		----------	AvgRF	CCRF	% Dev	----------		
66	m	1,3,5-TRIMETHYLBENZENE	0.696	0.670	3.7	94	0.00	17.25
		----------	True	Calc.	% Drift	----------		
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.257	17.4	97	0.00	17.72
		----------	AvgRF	CCRF	% Dev	----------		
68	m	m-DICHLOROBENZENE	0.497	0.486	2.2	106	0.00	17.91

Initial Calibration Verification

Job Number: M64555 **Sample:** MSJ533-ICV533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ----------------------- True    Calc.   % Drift  ------------
69 m   BENZYL CHLORIDE            10.000   9.896      1.0  104   0.00   17.89

            ----------------------- AvgRF   CCRF     % Dev   -------------
70 m   p-DICHLOROBENZENE           0.455   0.457     -0.4  105   0.00   17.98
71 m   o-DICHLOROBENZENE           0.443   0.431      2.7  105   0.00   18.37

            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE        10.000  11.870    -18.7  126   0.00   20.76

            ----------------------- AvgRF   CCRF     % Dev   -------------
73 m   1,2,4-TRICHLOROBENZENE      0.144   0.201    -39.6# 151   0.00   20.27
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

 (  1.4 %)  1 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    J10281.D   J050907T.M       Thu May 10 11:11:41 2007
```

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10295.D
Acq On : 10 May 2007 6:32 pm
Operator : danat
Sample : M64555-1 (M056)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 11 08:07:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	386660	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1712562	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1576861	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	450681	4.87	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 97.40%

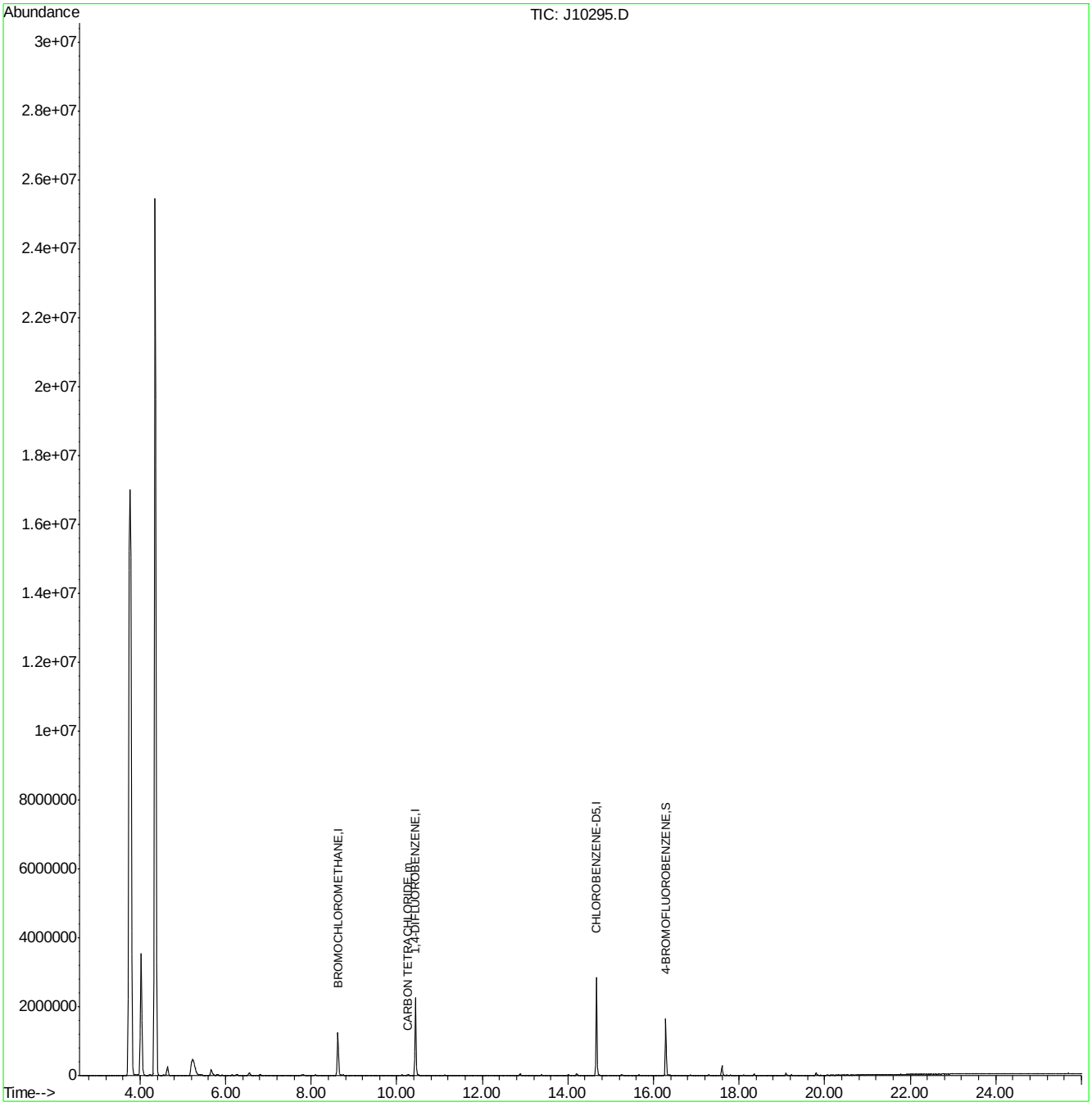
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.26	117	11846	0.10	PPBV	98

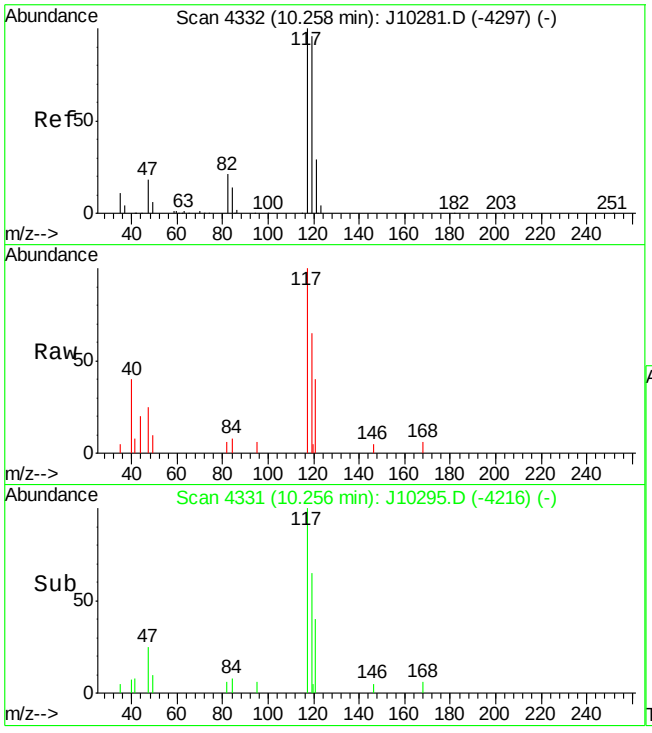
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10295.D
Acq On : 10 May 2007 6:32 pm
Operator : danat
Sample : M64555-1 (M056)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 11 08:07:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

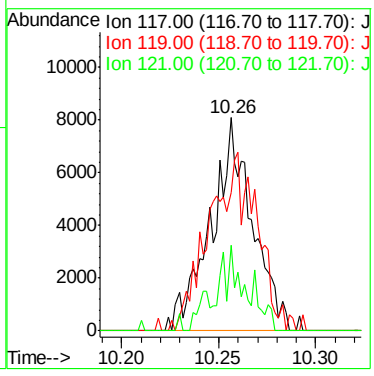




#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.26 min Scan# 4331
Delta R.T. -0.00 min
Lab File: J10295.D
Acq: 10 May 2007 6:32 pm

Tgt Ion:117 Resp: 11846

Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.0	117.0
121	30.2	11.3	51.3



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10296.D
Acq On : 10 May 2007 7:23 pm
Operator : danat
Sample : M64555-2 (M055)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 11 08:09:40 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	353894	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1439066	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1260168	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	338847	4.58	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 91.60%

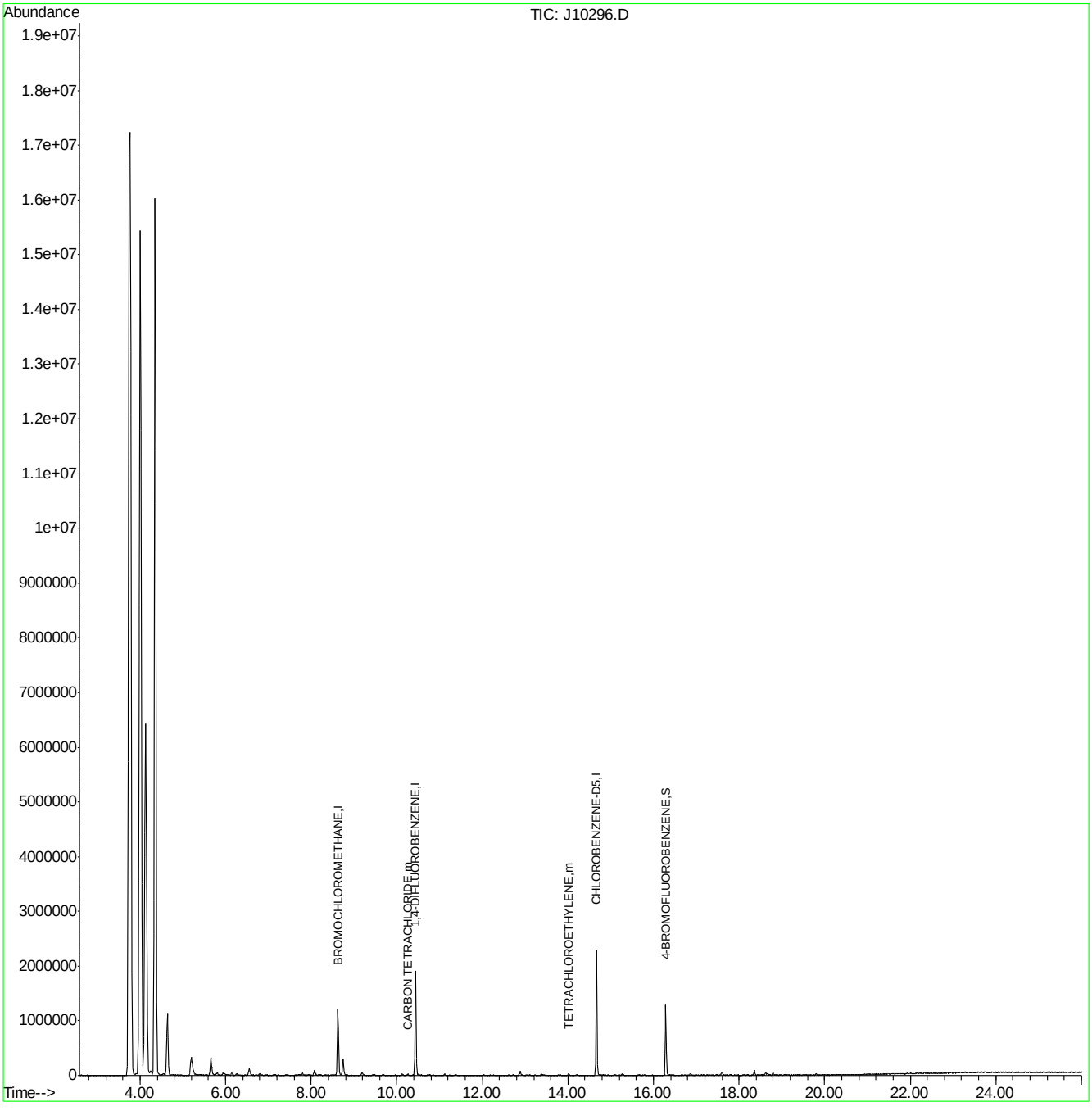
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.25	117	13745	0.12	PPBV	96
51) TETRACHLOROETHYLENE	14.01	164	6577	0.15	PPBV	97

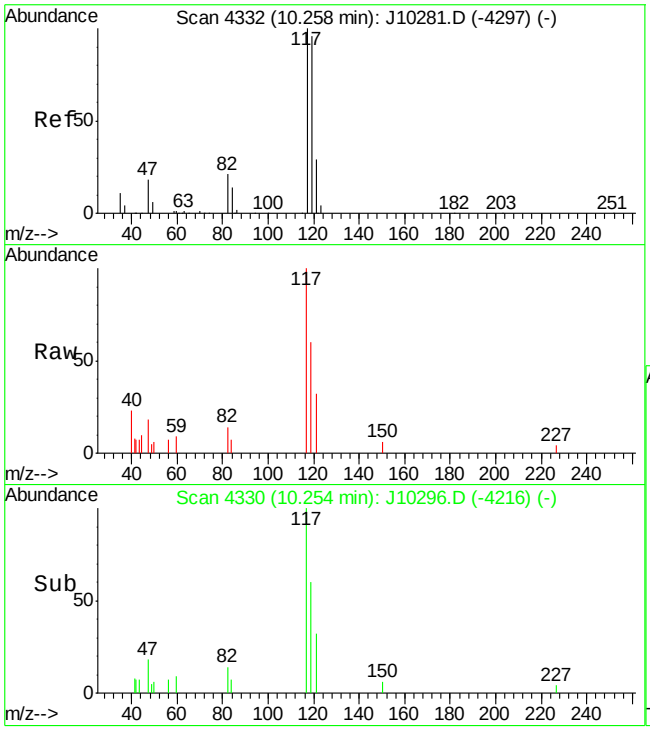
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10296.D
Acq On : 10 May 2007 7:23 pm
Operator : danat
Sample : M64555-2 (M055)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 11 08:09:40 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

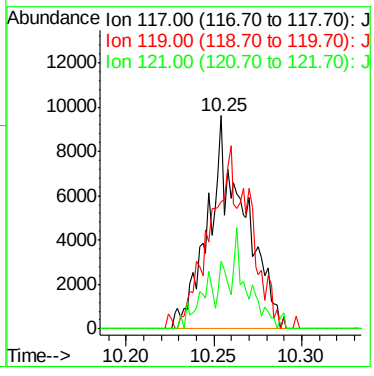


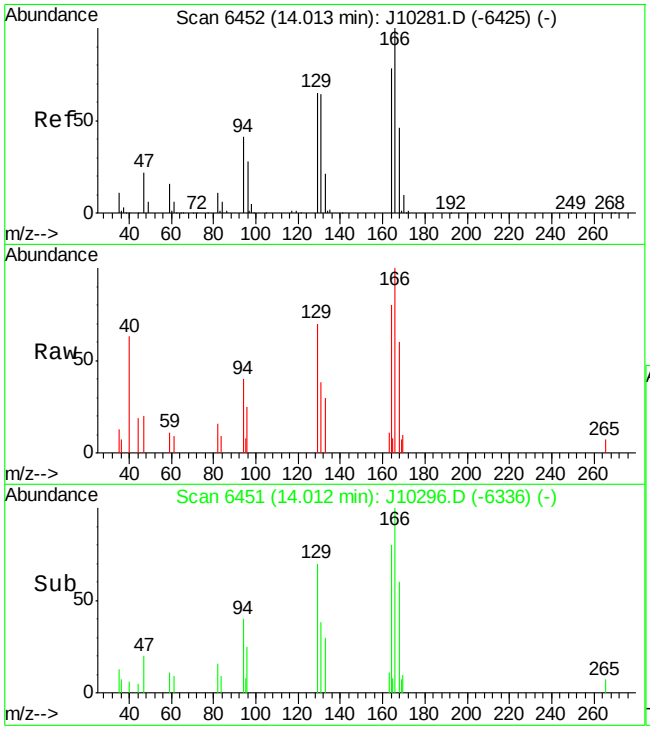


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.25 min Scan# 4330
Delta R.T. -0.00 min
Lab File: J10296.D
Acq: 10 May 2007 7:23 pm

Tgt Ion:117 Resp: 13745

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	117.0
121	25.7	11.3	51.3

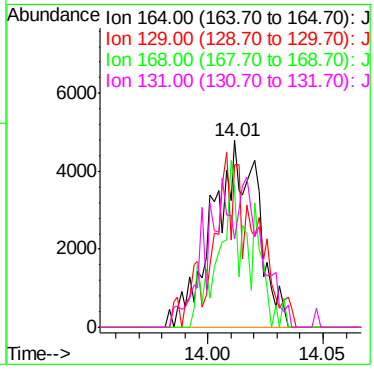




#51
TETRACHLOROETHYLENE
Concen: 0.15 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. -0.00 min
Lab File: J10296.D
Acq: 10 May 2007 7:23 pm

Tgt Ion:164 Resp: 6577

Ion	Ratio	Lower	Upper
164	100		
129	86.2	67.6	107.6
168	58.9	42.8	82.8
131	87.7	64.5	104.5



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10288.D
Acq On : 10 May 2007 12:14 pm
Operator : danat
Sample : MB (M009)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 14:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	381318	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1690348	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1515608	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	423304	4.76	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 95.20%

Target Compounds	Qvalue

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

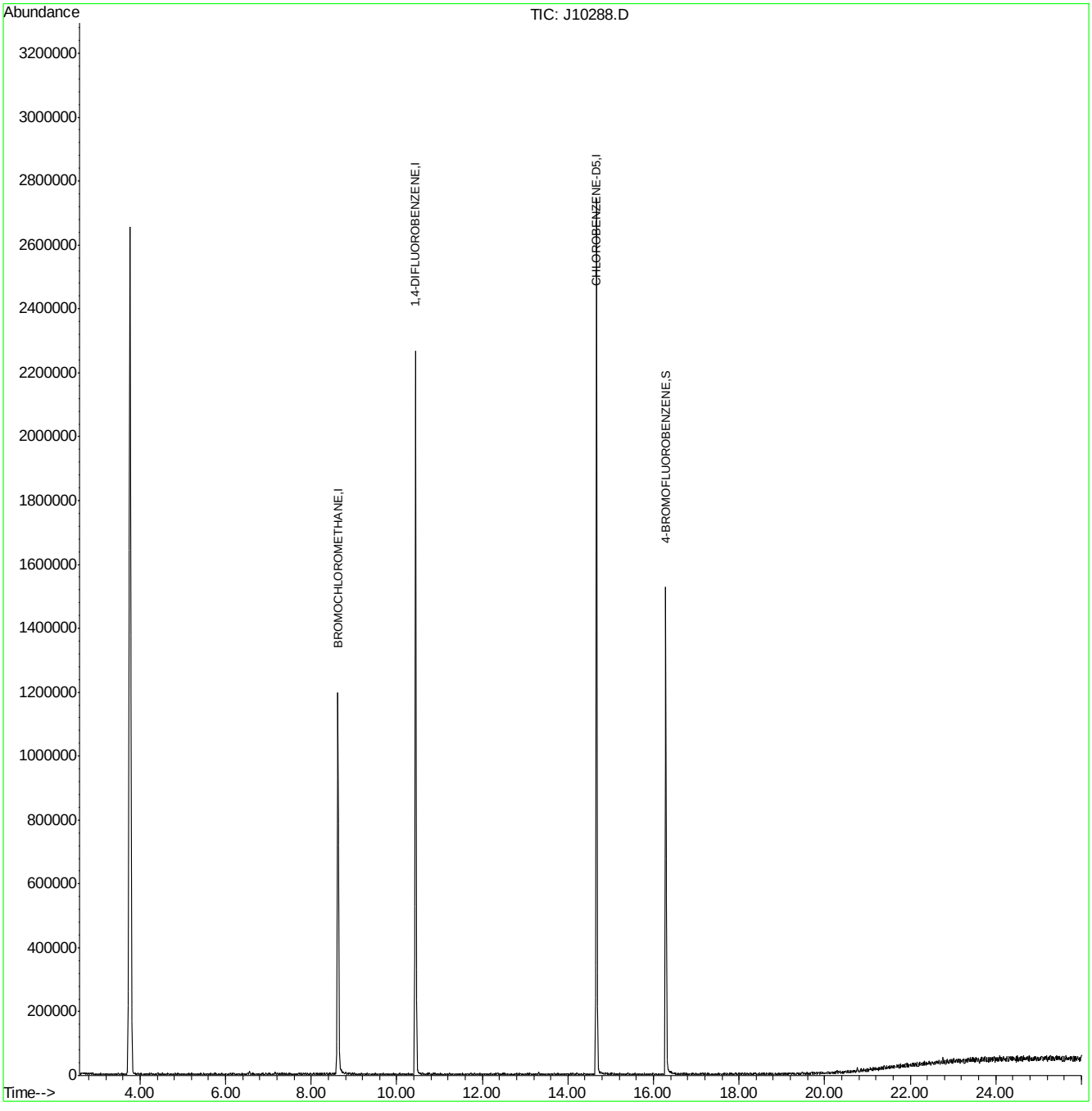
6.2.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10288.D
Acq On : 10 May 2007 12:14 pm
Operator : danat
Sample : MB (M009)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 14:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10001.D
Acq On : 11 Apr 2007 4:04 pm
Operator : PhilipB
Sample : MB (M125)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 09:12:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	470020	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1036198	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	852039	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	214382	4.20	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 84.00%

Target Compounds	Qvalue

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

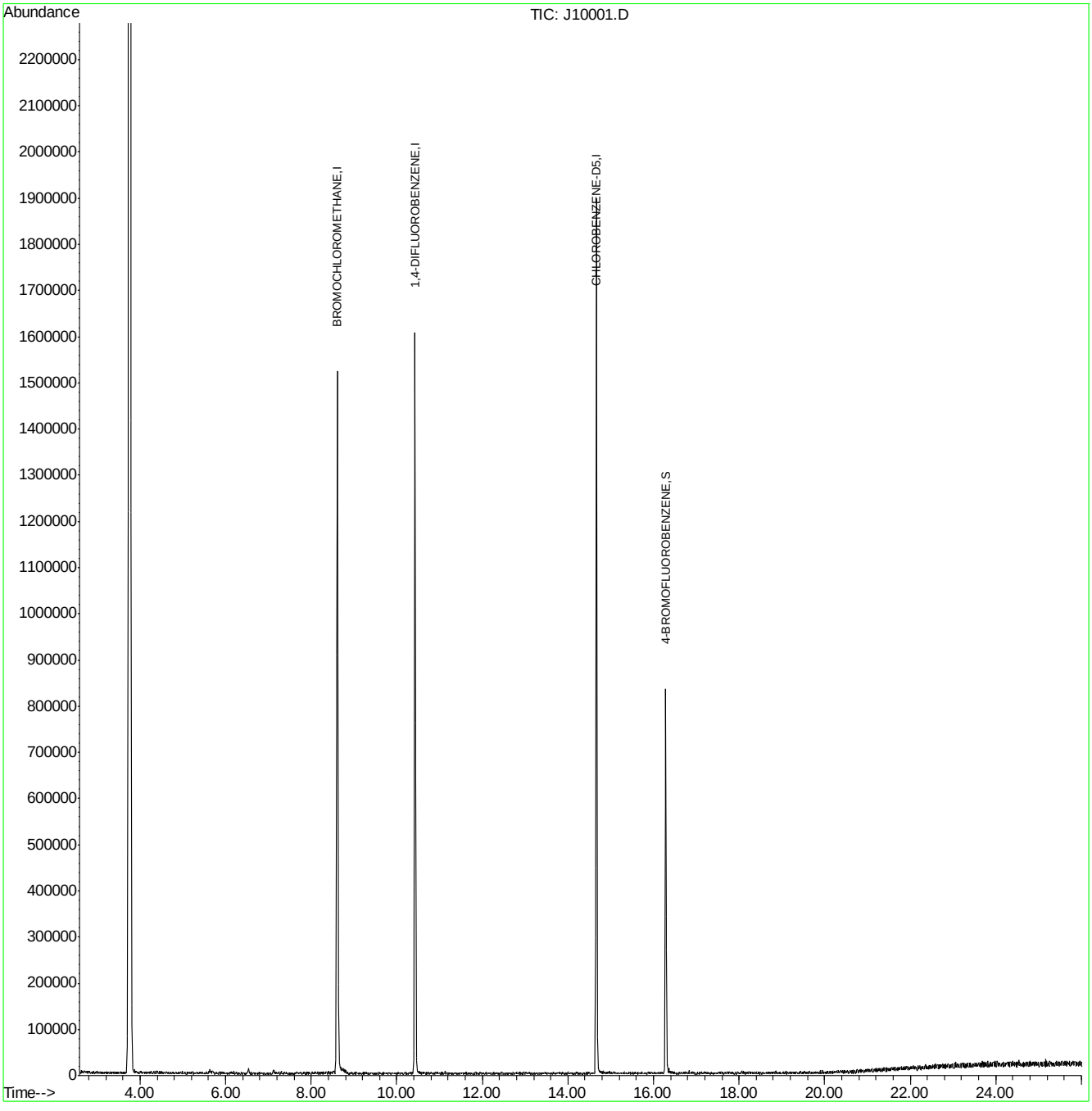
6.2.2

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10001.D
Acq On : 11 Apr 2007 4:04 pm
Operator : PhilipB
Sample : MB (M125)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 09:12:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286B.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : BS (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	413189	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1835396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1640141	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	531829	5.53	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 110.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1305850	8.99	PPBV	100
3) PROPYLENE	3.99	41	178641	10.76	PPBV #	87
4) FREON 114	4.32	85	1056037	8.62	PPBV	99
5) CHLOROMETHANE	4.23	50	247208	9.17	PPBV	97
6) VINYL CHLORIDE	4.45	62	301533	8.91	PPBV	100
7) 1,3-BUTADIENE	4.58	39	204602	10.02	PPBV	97
8) BROMOMETHANE	4.85	94	360144	8.79	PPBV	99
9) CHLOROETHANE	5.03	64	140741	10.21	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1263256	8.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	301406	9.67	PPBV	97
12) ACETONE	5.65	43	283156	7.72	PPBV	99
13) PENTANE	6.13	42	238500	9.59	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	321653	8.69	PPBV	96
15) CARBON DISULFIDE	6.85	76	924747	8.26	PPBV	99
16) ETHANOL	5.20	45	49752	10.19	PPBV	96
17) BROMOETHENE	5.38	106	346747	9.30	PPBV	100
18) METHYLENE CHLORIDE	6.54	84	285766	7.73	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219659	9.18	PPBV	96
20) FREON 113	6.79	151	717493	7.93	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	317265	8.82	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.52	59	409671	9.61	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	534027	8.16	PPBV	98
24) TETRAHYDROFURAN	9.17	42	153701	8.55	PPBV	98
25) HEXANE	8.63	57	300535	7.52	PPBV	97
26) VINYL ACETATE	7.80	43	322349	8.07	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	492394	8.46	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	304589	8.22	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	285978	8.56	PPBV	97
30) ETHYL ACETATE	8.68	43	324353	7.81	PPBV	99
31) CHLOROFORM	8.74	83	712177	8.31	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	854284	8.59	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1127397	8.62	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	382396	8.09	PPBV	100
36) BENZENE	10.12	78	669804	8.55	PPBV	100
37) CYCLOHEXANE	10.37	84	353671	9.72	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	389434	8.76	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	214272	8.13	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	655320	7.76	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1187978	10.49	PPBV	98
42) 1,4-DIOXANE	11.16	88	122751	8.14	PPBV	95
43) HEPTANE	11.36	43	323287	9.70	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286B.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : BS (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

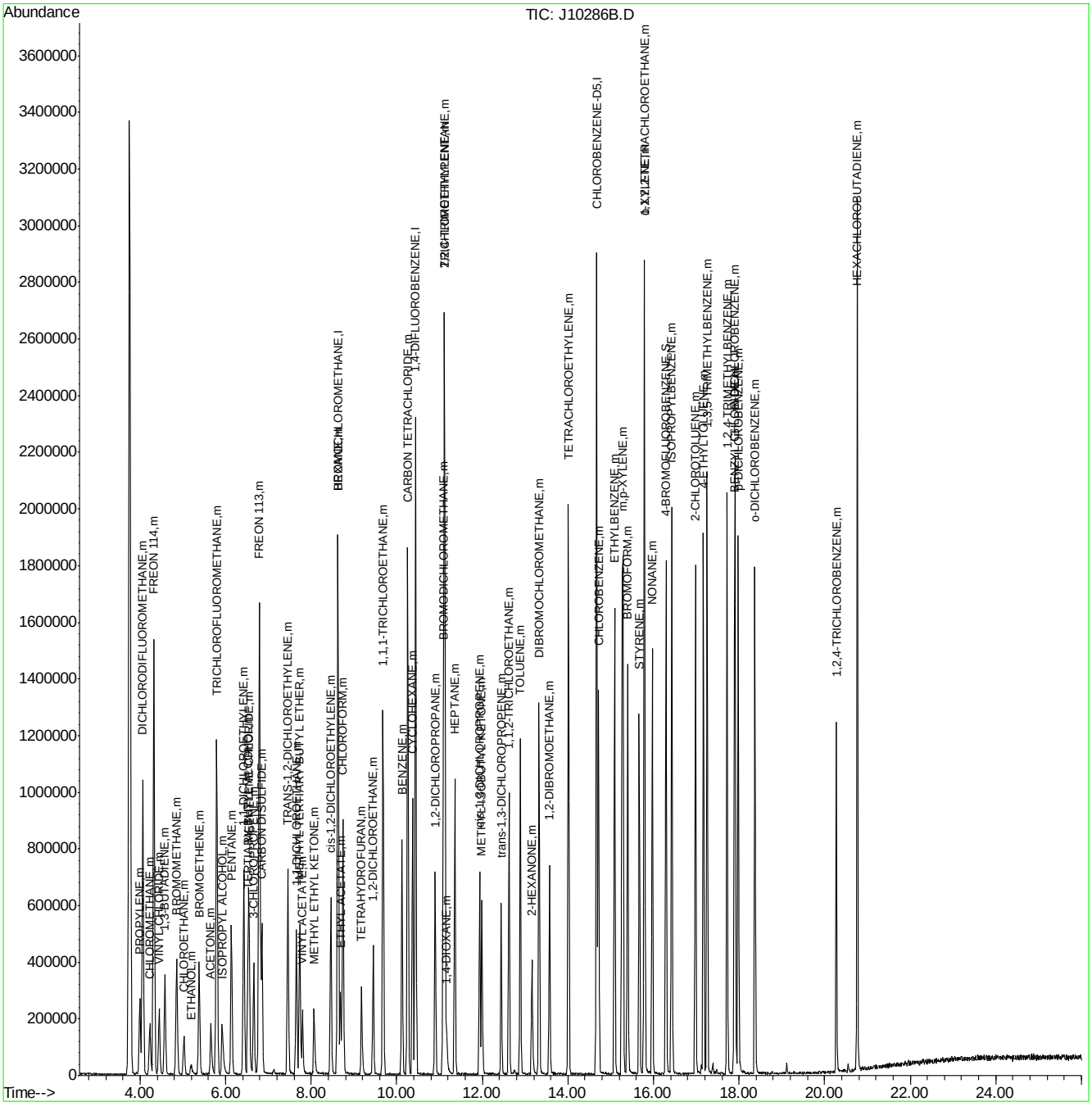
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	366654	8.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	349534	9.62	PPBV	98
46) TOLUENE	12.89	92	462783	9.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	290402	7.07	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	240426	8.02	PPBV	99
50) 2-HEXANONE	13.15	43	285755	7.38	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	445675	8.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	679264	7.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	465149	8.46	PPBV	99
54) CHLOROBENZENE	14.71	112	714978	8.20	PPBV	98
55) ETHYLBENZENE	15.09	91	1072352	9.61	PPBV	99
56) m,p-XYLENE	15.28	106	907029	15.87	PPBV	100
57) o-XYLENE	15.78	106	461835	7.99	PPBV	100
58) STYRENE	15.67	104	610702	8.04	PPBV	100
59) NONANE	15.97	43	458405	9.71	PPBV	99
60) BROMOFORM	15.40	173	731566	8.07	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	671390	8.73	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1349019	9.29	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	917142	9.59	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1113566	7.77	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	1099713	9.63	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	998081	8.26	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	797605	9.78	PPBV	99
69) BENZYL CHLORIDE	17.89	91	637252	9.90	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	749201	10.05	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	706204	9.72	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	520415	11.87	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	330262	13.97	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286B.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : BS (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64555

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/12/07 16:30

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9999A.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : BS (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:32:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	434153	10.00	PPBV	-0.03
35) 1,4-DIFLUOROBENZENE	10.42	114	1031932	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.66	117	858154	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	275331	5.36	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1042629	10.59	PPBV	98
3) PROPYLENE	3.98	41	180735	11.64	PPBV	96
4) FREON 114	4.31	85	825209	9.94	PPBV	90
5) CHLOROMETHANE	4.22	50	231254	10.40	PPBV	96
6) VINYL CHLORIDE	4.44	62	219872	9.47	PPBV	96
7) 1,3-BUTADIENE	4.57	39	229395	11.94	PPBV #	81
8) BROMOMETHANE	4.84	94	236907	9.19	PPBV	98
9) CHLOROETHANE	5.01	64	101042	9.44	PPBV	77
10) TRICHLOROFLUOROMETHANE	5.77	101	1083562	10.17	PPBV	99
11) ISOPROPYL ALCOHOL	5.88	45	263616	7.66	PPBV	70
12) ACETONE	5.62	43	326195	9.58	PPBV	86
13) PENTANE	6.11	42	205498	8.41	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.40	96	216942	8.75	PPBV #	80
15) CARBON DISULFIDE	6.82	76	666816	8.35	PPBV	87
16) ETHANOL	5.15	45	50310m	8.82	PPBV	
17) BROMOETHENE	5.36	106	222170	9.36	PPBV #	92
18) METHYLENE CHLORIDE	6.52	84	198709	6.49	PPBV	84
19) 3-CHLOROPROPENE	6.64	39	229987	9.49	PPBV #	77
20) FREON 113	6.76	151	510629	9.04	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	222091	8.13	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.48	59	312838	7.41	PPBV #	60
23) METHYL TERTIARY BUTYL ETHE	7.70	73	456224	7.84	PPBV	90
24) TETRAHYDROFURAN	9.15	42	163877	10.34	PPBV	84
25) HEXANE	8.60	57	281060	7.67	PPBV #	81
26) VINYL ACETATE	7.77	43	307063	8.08	PPBV	96
27) 1,1-DICHLOROETHANE	7.63	63	389942	7.72	PPBV	98
28) METHYL ETHYL KETONE	8.03	43	298905m	7.02	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.44	96	272411	8.95	PPBV	99
30) ETHYL ACETATE	8.66	43	358366	8.18	PPBV	100
31) CHLOROFORM	8.72	83	826812	9.79	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	685426	10.42	PPBV	96
33) CARBON TETRACHLORIDE	10.24	117	906293	11.04	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	346659	10.41	PPBV	98
36) BENZENE	10.10	78	456171	9.86	PPBV	94
37) CYCLOHEXANE	10.35	84	228300	11.28	PPBV	91
38) TRICHLOROETHYLENE	11.10	95	277318	11.11	PPBV	94
39) 1,2-DICHLOROPROPANE	10.88	63	164397	9.67	PPBV	92
40) BROMODICHLOROMETHANE	11.07	83	570557	10.73	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	856411	10.17	PPBV	97
42) 1,4-DIOXANE	11.14	88	76398	8.55	PPBV	85
43) HEPTANE	11.34	43	315913	11.81	PPBV	86

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9999A.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : BS (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:32:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

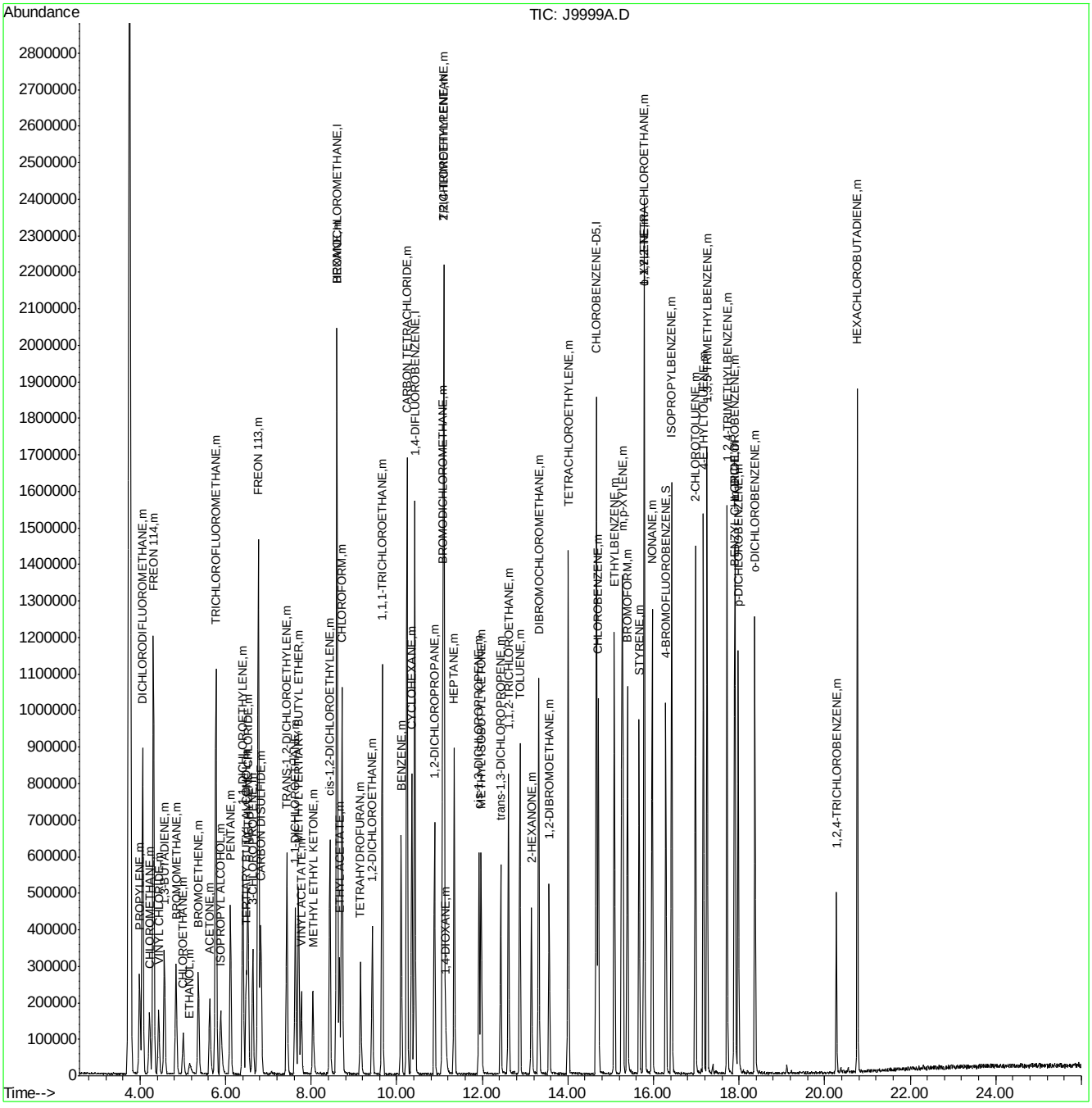
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	427934	10.23	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	229586	8.28	PPBV #	76
46) TOLUENE	12.88	92	299148	8.04	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.43	75	226670	9.51	PPBV #	77
48) 1,1,2-TRICHLOROETHANE	12.61	83	176540	9.89	PPBV	98
50) 2-HEXANONE	13.15	43	345003	10.09	PPBV	82
51) TETRACHLOROETHYLENE	14.00	164	208084	9.42	PPBV	86
52) DIBROMOCHLOROMETHANE	13.32	129	508565	10.45	PPBV	100
53) 1,2-DIBROMOETHANE	13.56	107	308048	8.27	PPBV	96
54) CHLOROBENZENE	14.71	112	441232	10.49	PPBV	96
55) ETHYLBENZENE	15.09	91	730140	9.43	PPBV	94
56) m,p-XYLENE	15.28	106	562168	18.23	PPBV	88
57) o-XYLENE	15.78	106	298781	8.57	PPBV #	86
58) STYRENE	15.66	104	365511	8.99	PPBV	95
59) NONANE	15.97	43	452598	9.19	PPBV	92
60) BROMOFORM	15.39	173	421008	9.18	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	499170	9.66	PPBV	98
63) ISOPROPYLBENZENE	16.42	105	920931	8.93	PPBV	96
64) 2-CHLOROTOLUENE	16.98	91	646666	9.01	PPBV	95
65) 4-ETHYLTOLUENE	17.17	105	803238	9.48	PPBV	74
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	767041	8.94	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	696395	8.82	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	408123	8.55	PPBV	97
69) BENZYL CHLORIDE	17.89	91	426509	9.78	PPBV	97
70) p-DICHLOROBENZENE	17.98	146	346344	8.13	PPBV	90
71) o-DICHLOROBENZENE	18.37	146	366584	8.52	PPBV	97
72) HEXACHLOROBUTADIENE	20.76	225	182734	9.61	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	85043	9.19	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9999A.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : BS (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:32:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



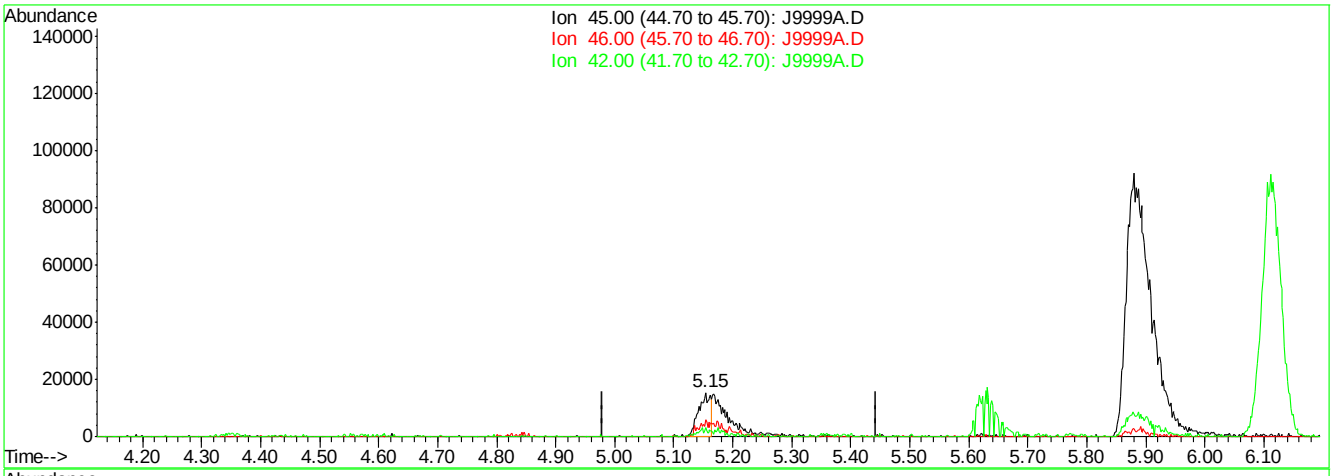
ACCUTEST Laboratories M64555

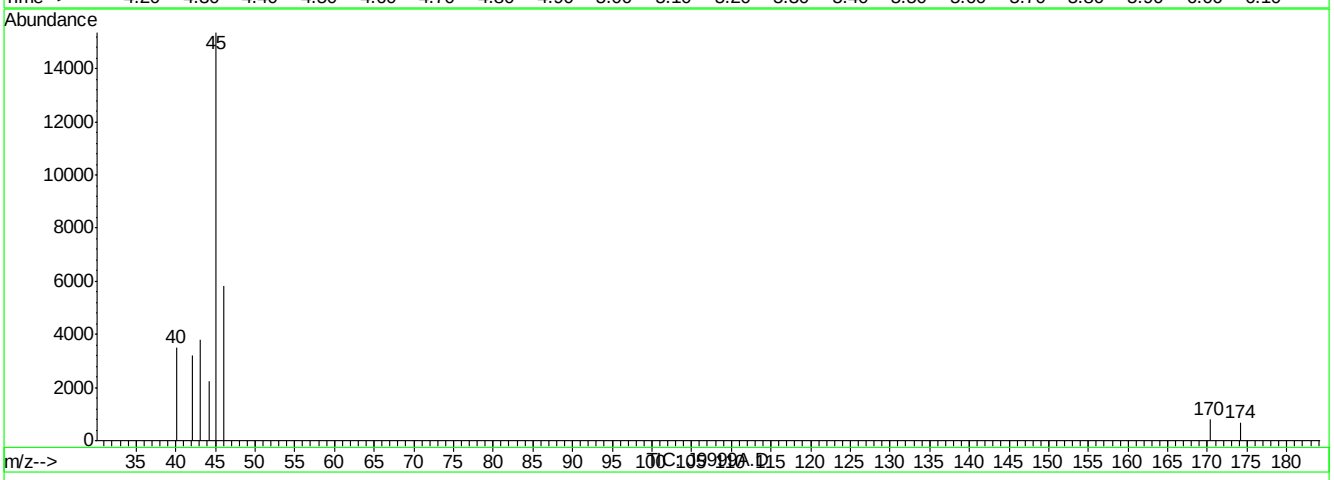
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9999A.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:31:55 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.15min 3.19PPBV

response 21586

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	30.05
42.00	1.50	6.99
0.00	0.00	0.00

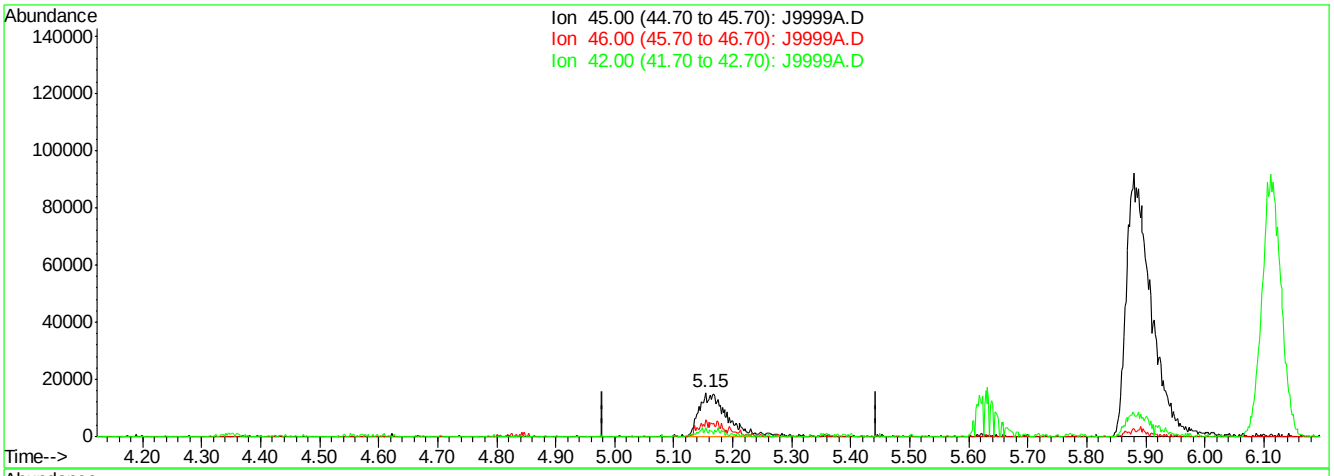
J9999A.D J040507T.M Wed Apr 11 15:32:04 2007

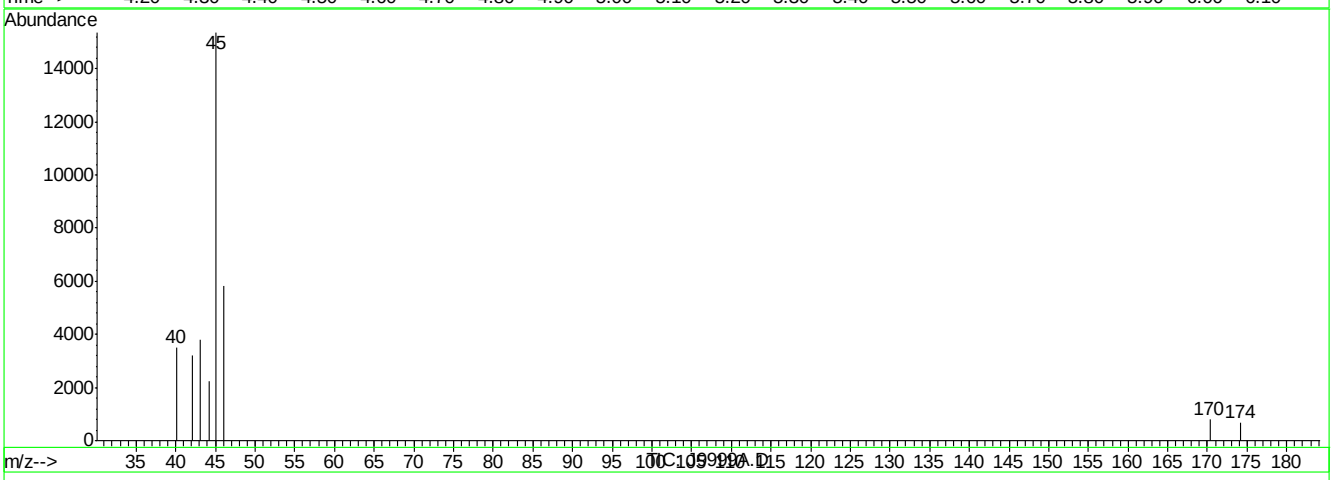
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9999A.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:31:55 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.15min 8.82PPBV m

response 50310

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	12.89#
42.00	1.50	3.00
0.00	0.00	0.00

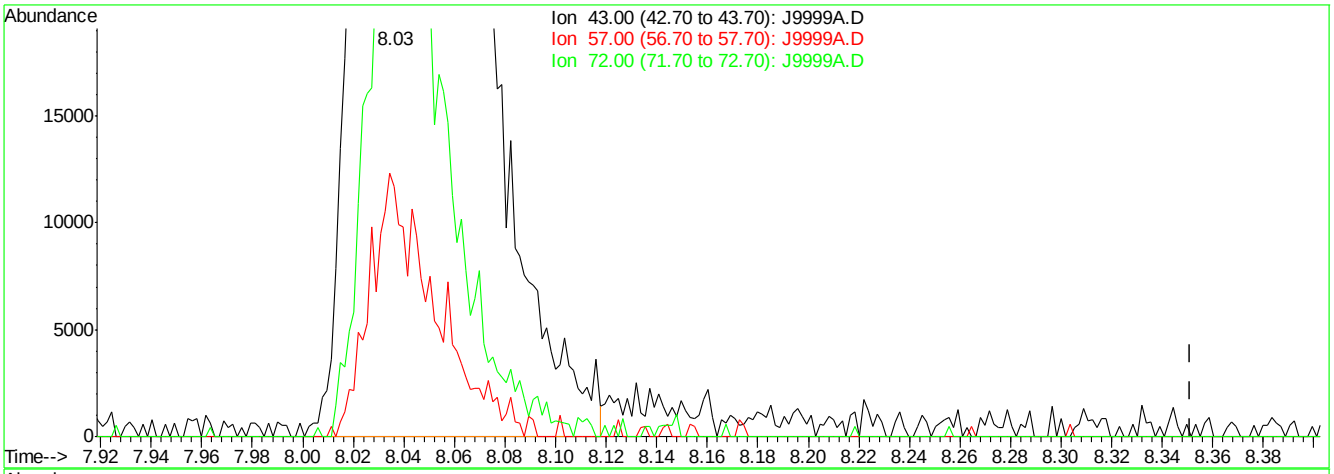
J9999A.D J040507T.M Wed Apr 11 15:32:08 2007

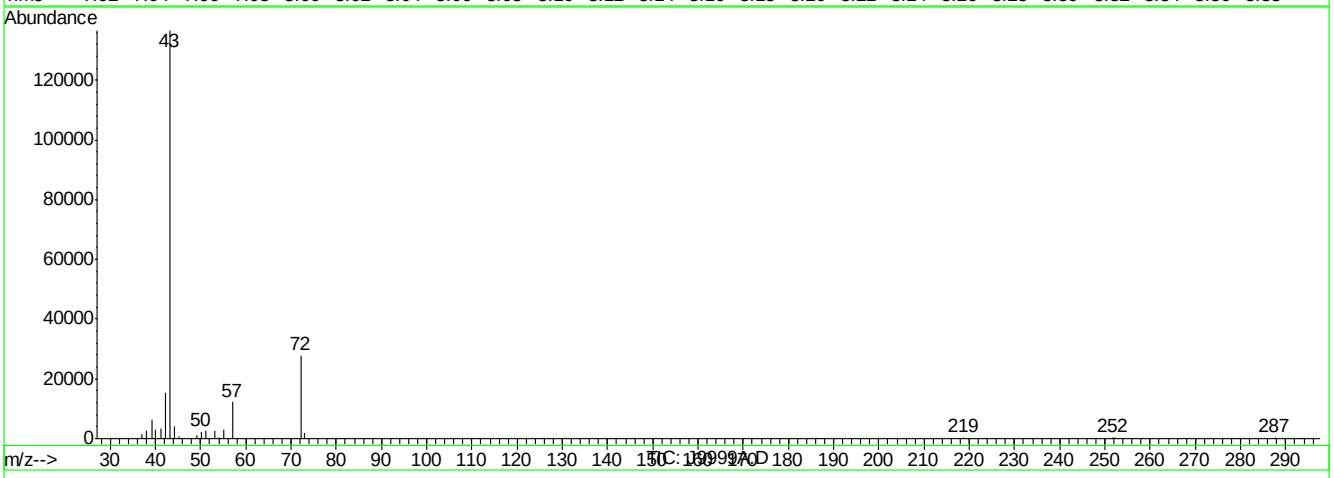
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9999A.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:31:55 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.03min 6.82PPBV

response 290089

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	9.02
72.00	25.60	20.41
0.00	0.00	0.00

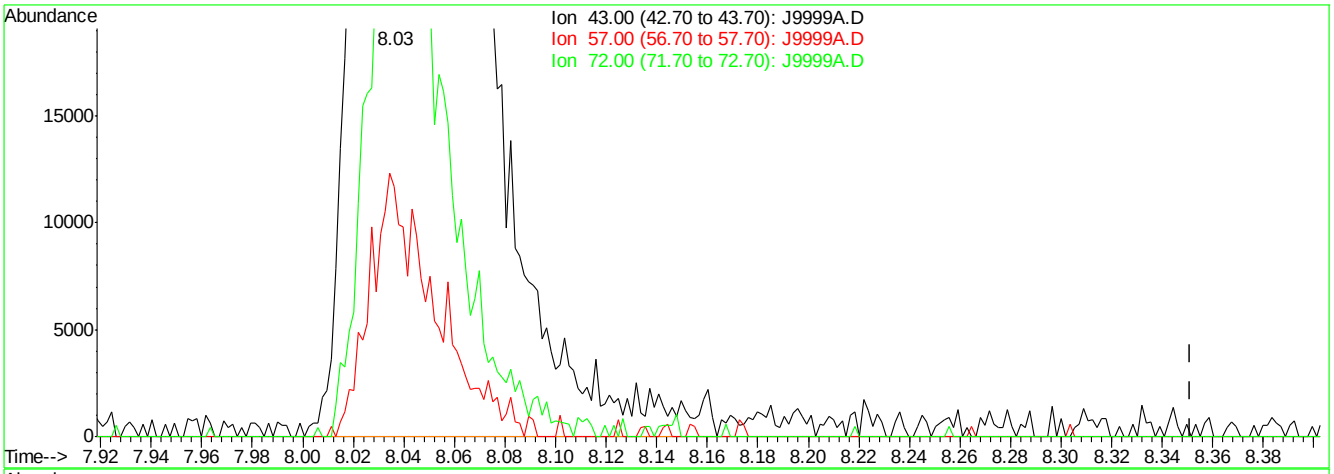
J9999A.D J040507T.M Wed Apr 11 15:32:23 2007

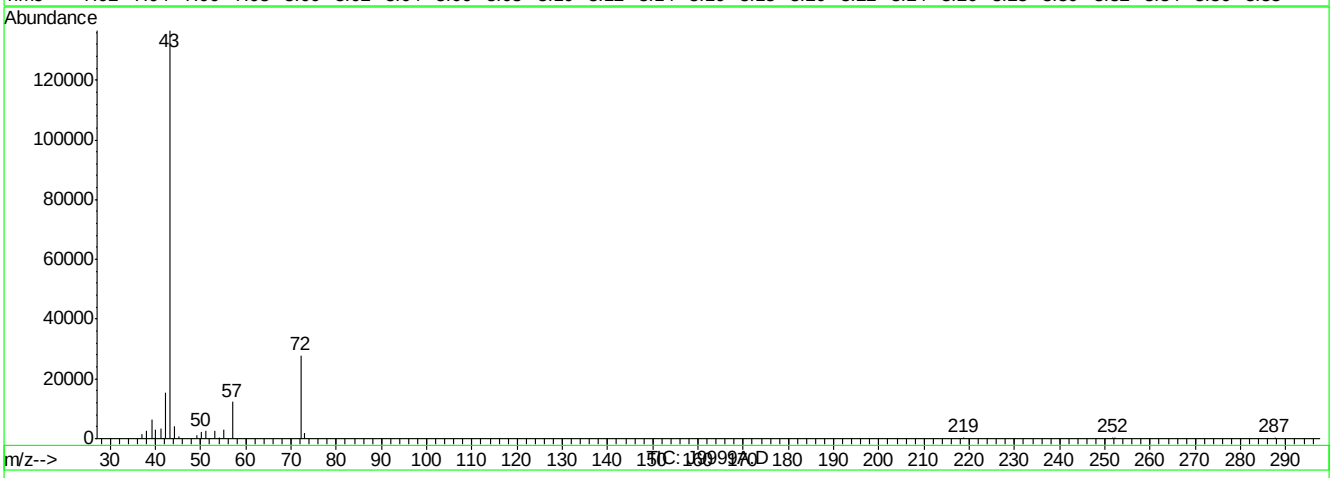
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9999A.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:31:55 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.03min 7.02PPBV m

response 298905

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	9.02
72.00	25.60	20.41
0.00	0.00	0.00

J9999A.D J040507T.M Wed Apr 11 15:32:37 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/11/07 17:00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10293.D
Acq On : 10 May 2007 4:47 pm
Operator : danat
Sample : M64467-1DUP (M126)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 11 09:57:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	333619	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.42	114	1340934	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.66	117	1201491	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	330512	4.69	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 93.80%

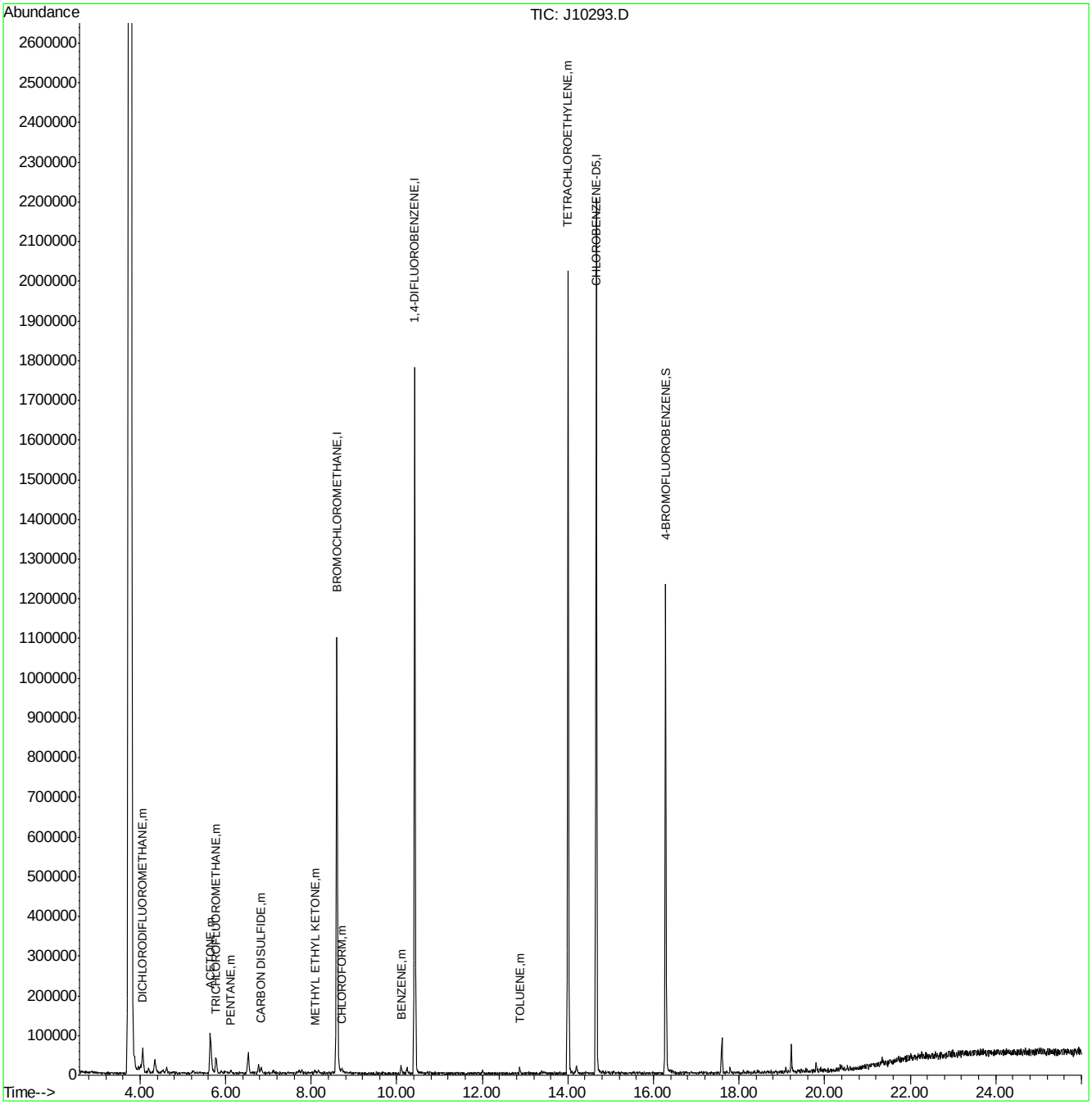
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	72531	0.62	PPBV		96
10) TRICHLOROFLUOROMETHANE	5.77	101	40395	0.34	PPBV		96
12) ACETONE	5.65	43	151158	5.18	PPBV		97
13) PENTANE	6.10	42	3077	0.15	PPBV	#	77
15) CARBON DISULFIDE	6.83	76	24355	0.27	PPBV		91
28) METHYL ETHYL KETONE	8.09	43	9046m	0.30	PPBV		
31) CHLOROFORM	8.72	83	6584m	0.10	PPBV		
36) BENZENE	10.09	78	17289	0.30	PPBV		95
46) TOLUENE	12.88	92	4585	0.12	PPBV		94
51) TETRACHLOROETHYLENE	14.00	164	448375	11.05	PPBV		98

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

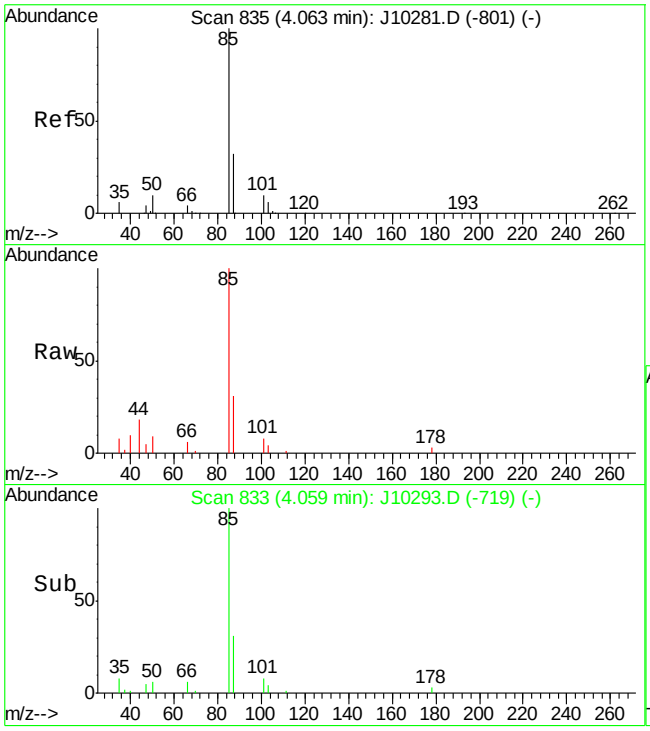
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10293.D
Acq On : 10 May 2007 4:47 pm
Operator : danat
Sample : M64467-1DUP (M126)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 11 09:57:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



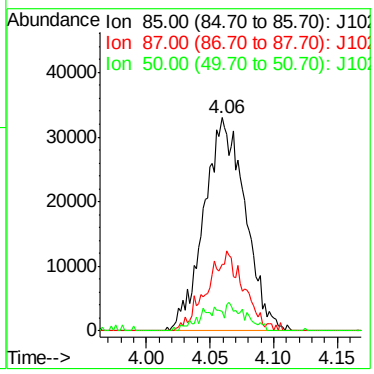
J050907T.M Fri May 11 09:57:47 2007 Page: 2

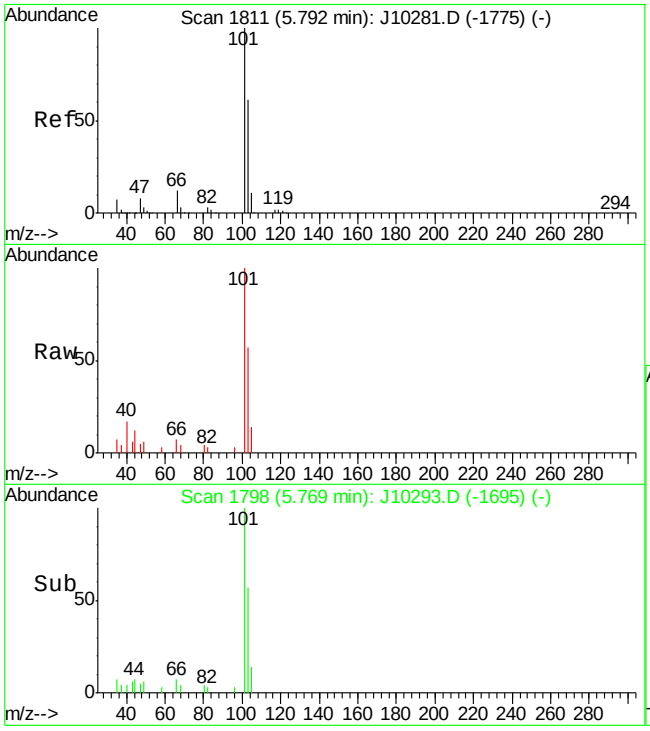


#2
DICHLORODIFLUOROMETHANE
Concen: 0.62 PPBV
RT: 4.06 min Scan# 833
Delta R.T. -0.00 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 85 Resp: 72531

Ion	Ratio	Lower	Upper
85	100		
87	33.5	12.7	52.7
50	6.1	0.0	31.0

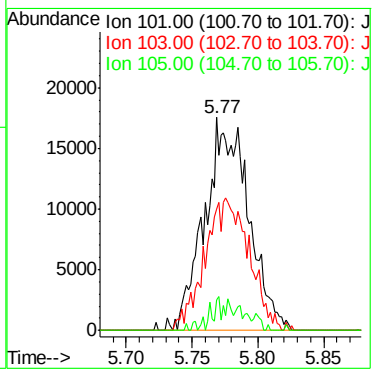


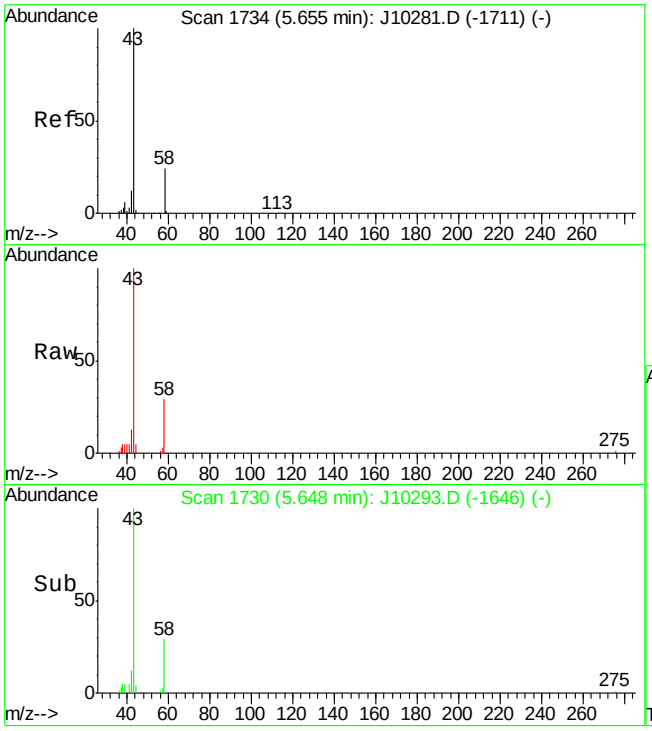


#10
TRICHLOROFLUOROMETHANE
Concen: 0.34 PPBV
RT: 5.77 min Scan# 1798
Delta R.T. -0.02 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion:101 Resp: 40395

Ion	Ratio	Lower	Upper
101	100		
103	63.1	44.8	84.8
105	4.7	0.0	30.5

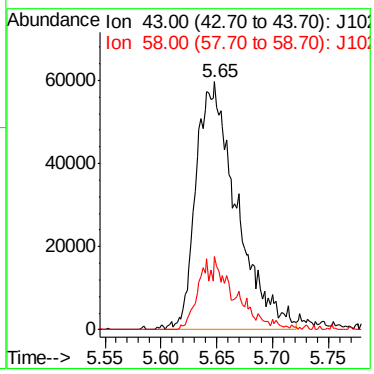


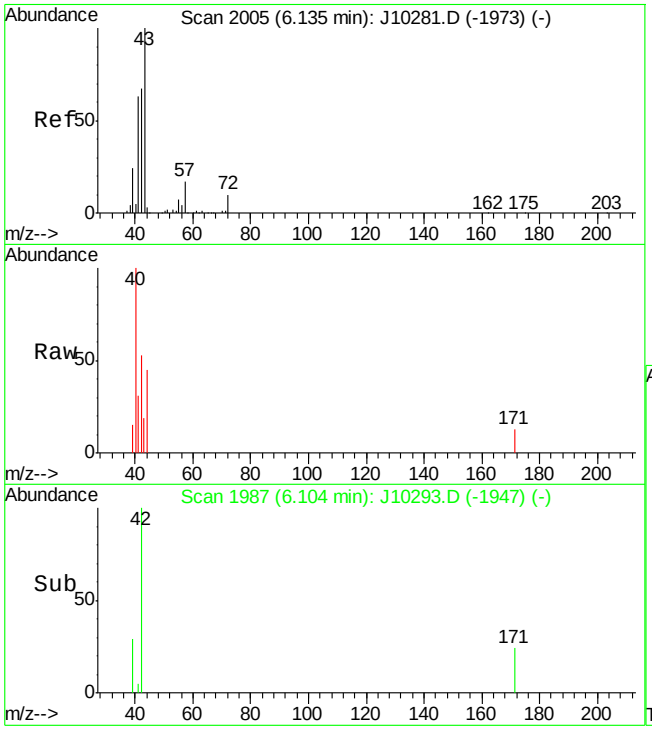


#12
ACETONE
Concen: 5.18 PPBV
RT: 5.65 min Scan# 1730
Delta R.T. -0.01 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 43 Resp: 151158

Ion	Ratio	Lower	Upper
43	100		
58	25.5	6.8	46.8

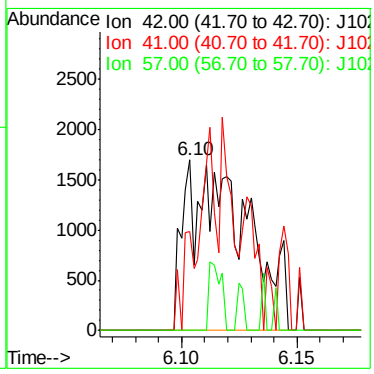


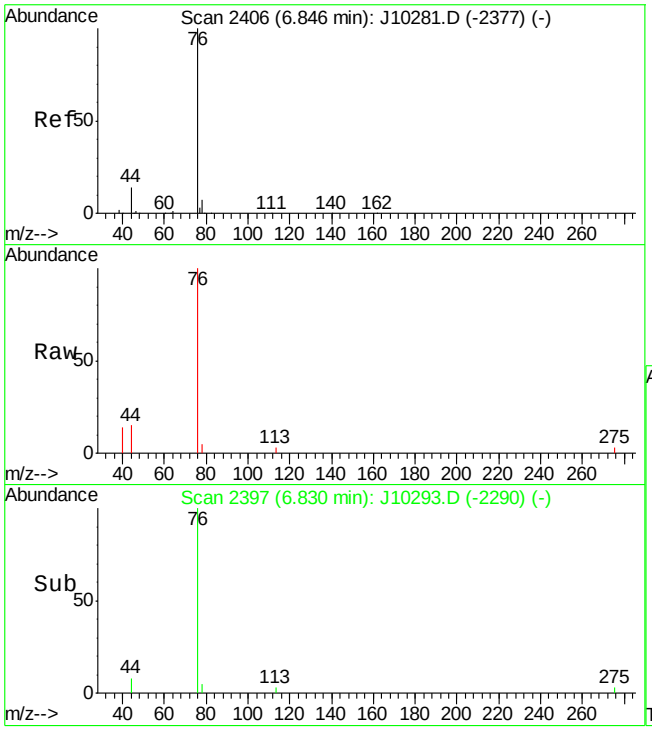


#13
PENTANE
Concen: 0.15 PPBV
RT: 6.10 min Scan# 1987
Delta R.T. -0.03 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 42 Resp: 3077

Ion	Ratio	Lower	Upper
42	100		
41	77.6	78.8	118.8#
57	11.3	7.4	47.4

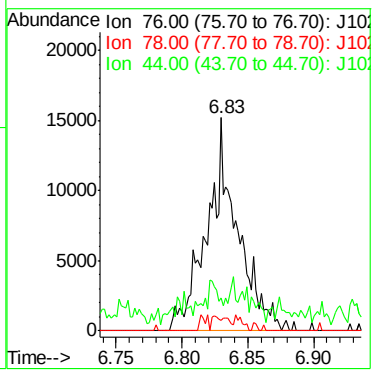


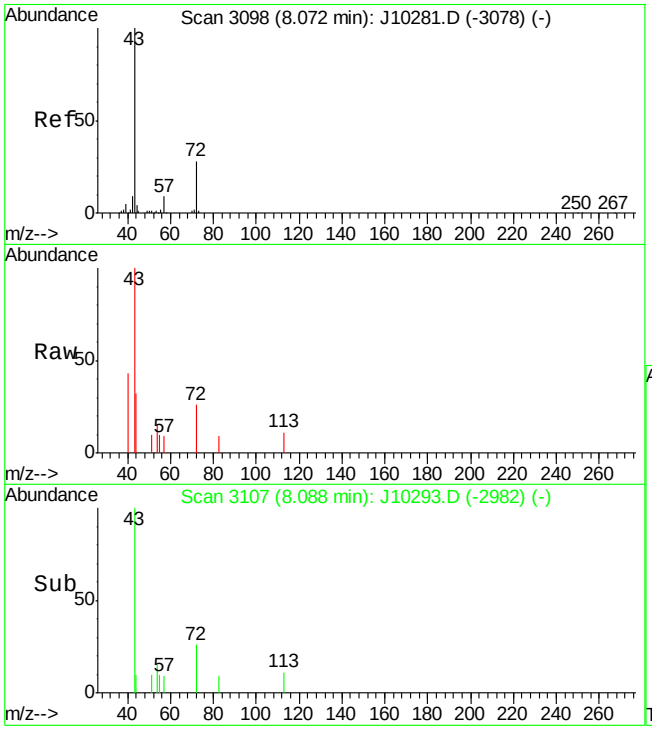


#15
CARBON DISULFIDE
Concen: 0.27 PPBV
RT: 6.83 min Scan# 2397
Delta R.T. -0.02 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 76 Resp: 24355

Ion	Ratio	Lower	Upper
76	100		
78	2.1	0.0	29.2
44	16.1	0.0	34.9

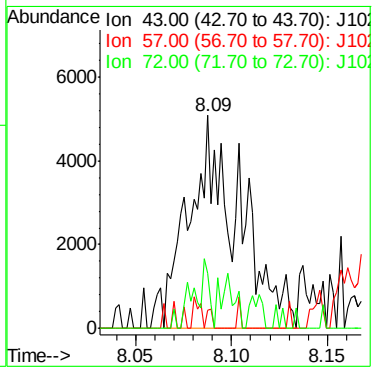


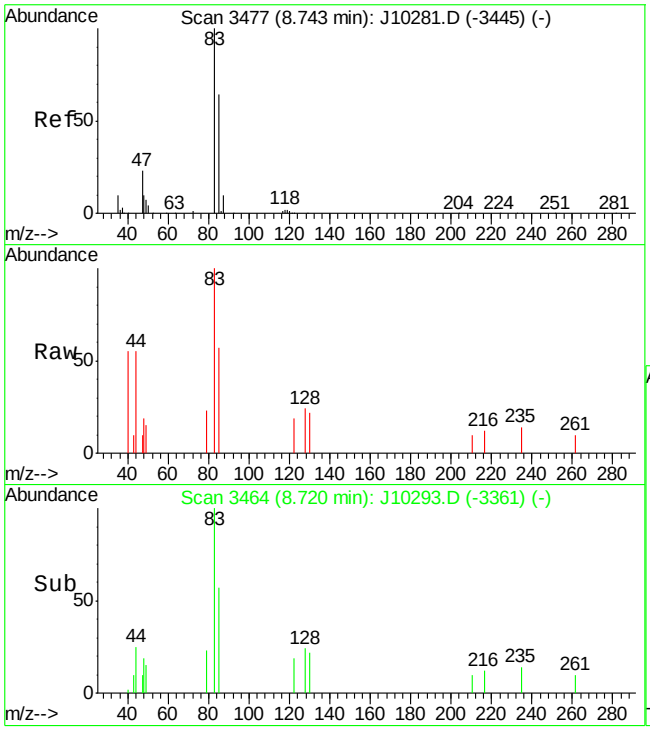


#28
METHYL ETHYL KETONE
Concen: 0.30 PPBV m
RT: 8.09 min Scan# 3107
Delta R.T. 0.02 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 43 Resp: 9046

Ion	Ratio	Lower	Upper
43	100		
57	8.7	0.0	28.8
72	25.7	7.6	47.6

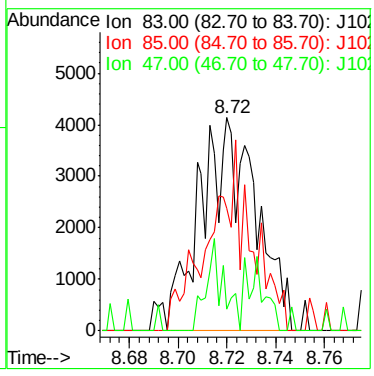


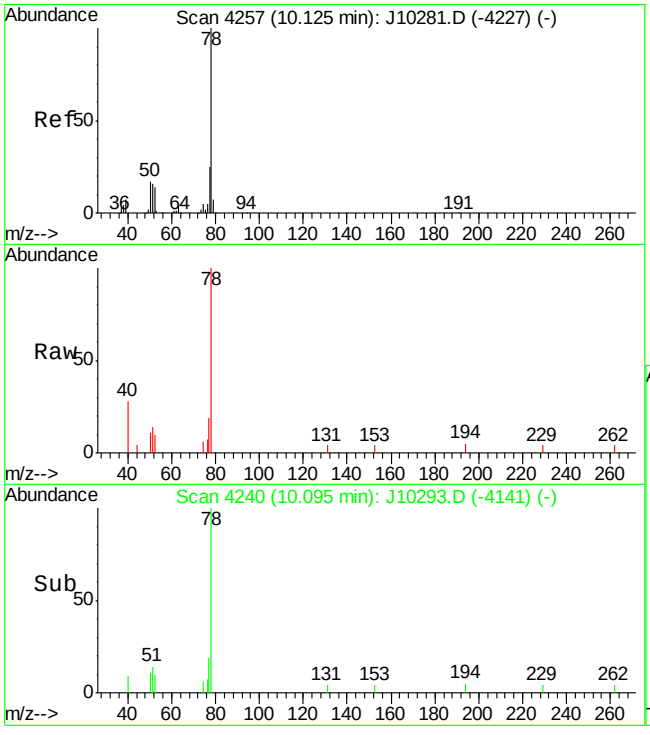


#31
CHLOROFORM
Concen: 0.10 PPBV m
RT: 8.72 min Scan# 3464
Delta R.T. -0.02 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 83 Resp: 6584

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.8	84.8#
47	0.0	1.7	41.7#

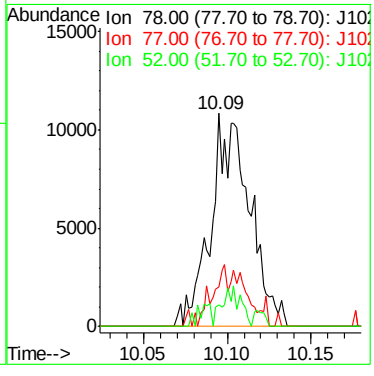


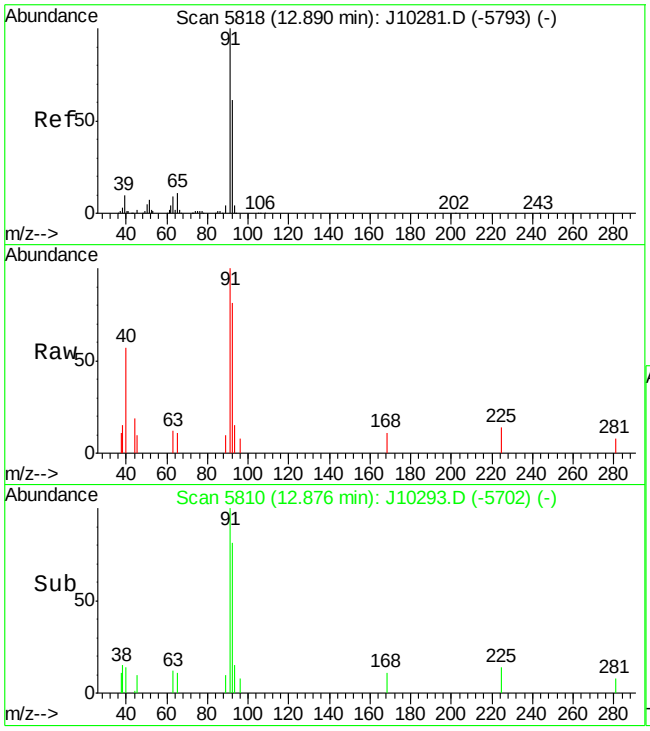


#36
BENZENE
Concen: 0.30 PPBV
RT: 10.09 min Scan# 4240
Delta R.T. -0.03 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 78 Resp: 17289

Ion	Ratio	Lower	Upper
78	100		
77	26.1	4.3	44.3
52	11.1	0.0	34.2

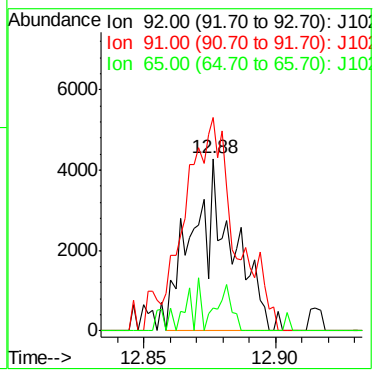


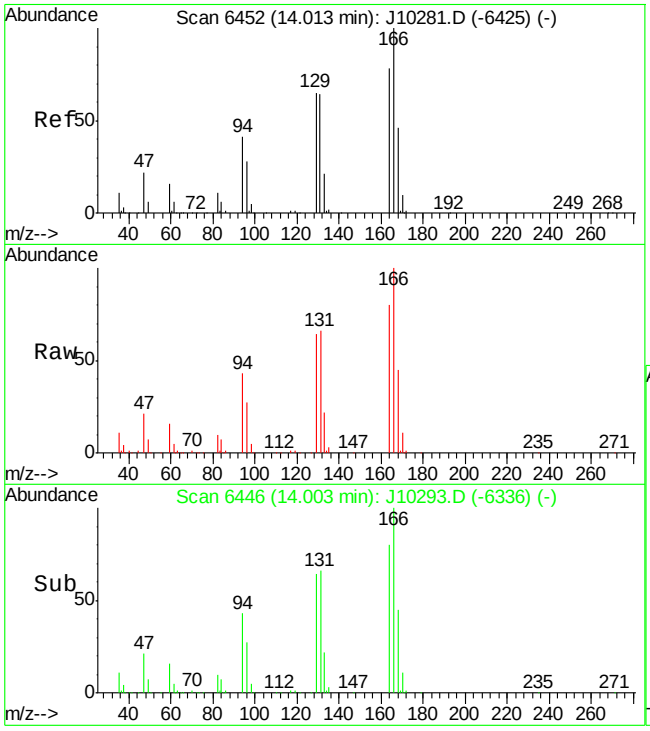


#46
TOLUENE
Concen: 0.12 PPBV
RT: 12.88 min Scan# 5810
Delta R.T. -0.01 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion: 92 Resp: 4585

Ion	Ratio	Lower	Upper
92	100		
91	159.8	146.0	186.0
65	10.1	0.0	38.6

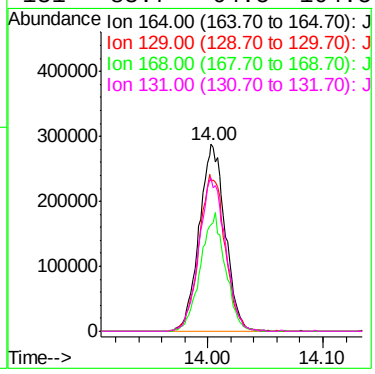




#51
TETRACHLOROETHYLENE
Concen: 11.05 PPBV
RT: 14.00 min Scan# 6446
Delta R.T. -0.01 min
Lab File: J10293.D
Acq: 10 May 2007 4:47 pm

Tgt Ion:164 Resp: 448375

Ion	Ratio	Lower	Upper
164	100		
129	84.3	67.6	107.6
168	60.8	42.8	82.8
131	83.7	64.5	104.5

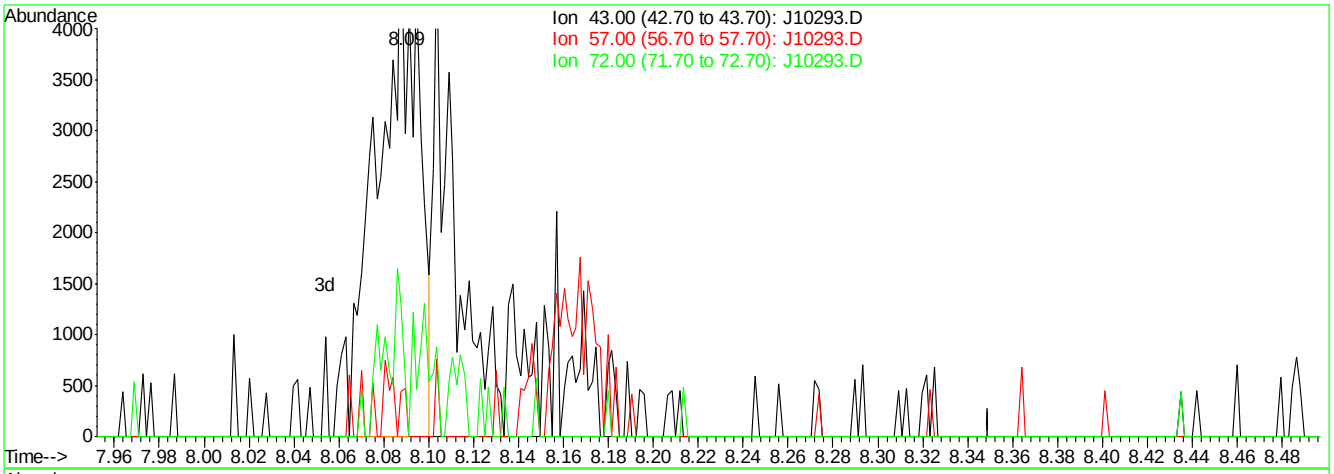


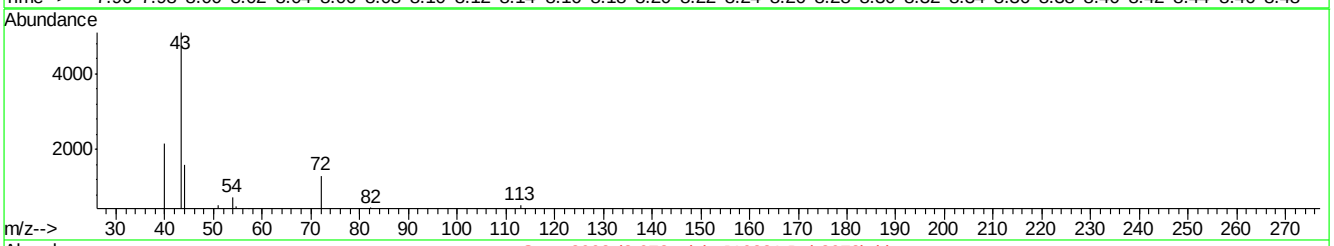
Quantitation Report (Qedit)

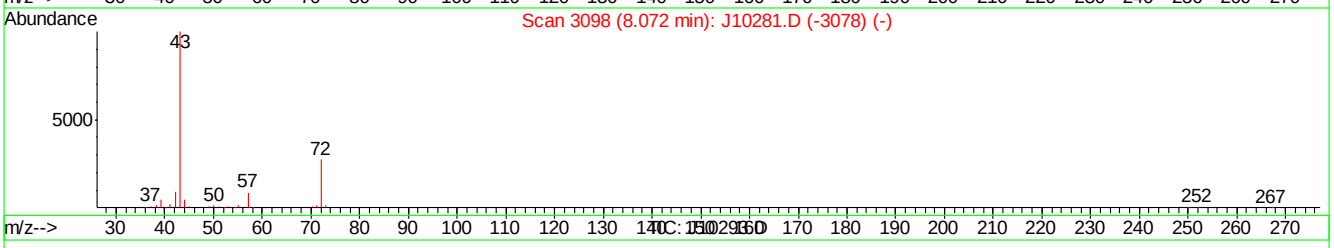
Data File : C:\MSDChem\1\data\J10293.D Vial: 6
Acq On : 10 May 2007 4:47 pm Operator: danat
Sample : M64467-1DUP (M126) Inst : MSJ
Misc : MS13540, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 17:14:10 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.09min 0.21PPBV

response 6209

Ion	Exp%	Act%
43.00	100	100
57.00	8.80	8.74
72.00	27.60	25.70
0.00	0.00	0.00

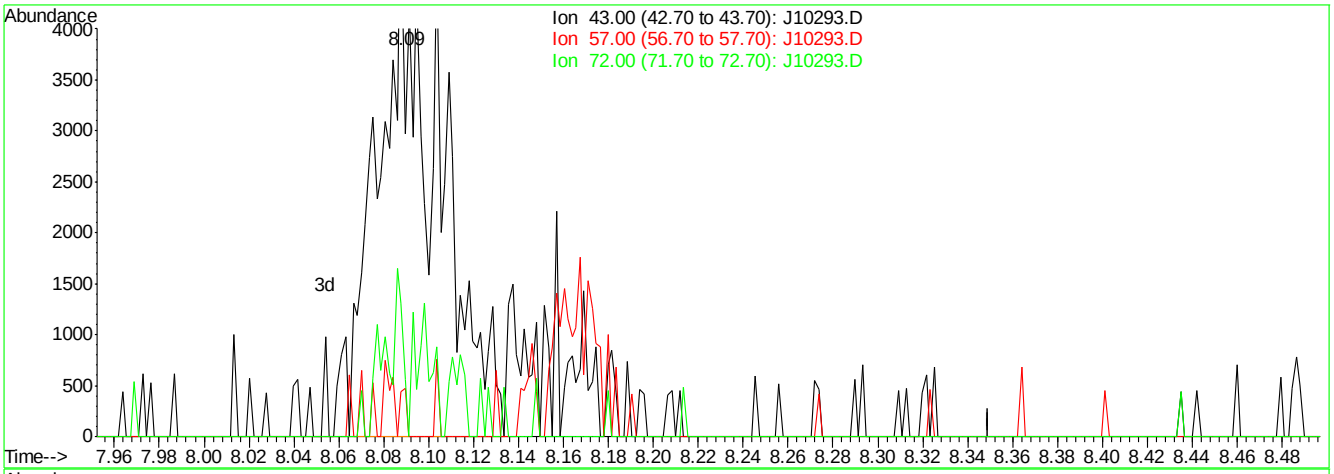
J10293.D J050907T.M Thu May 10 17:15:32 2007

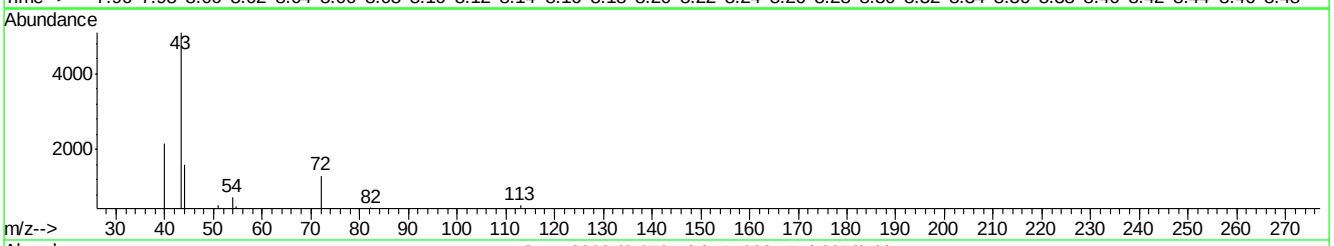
Quantitation Report (Qedit)

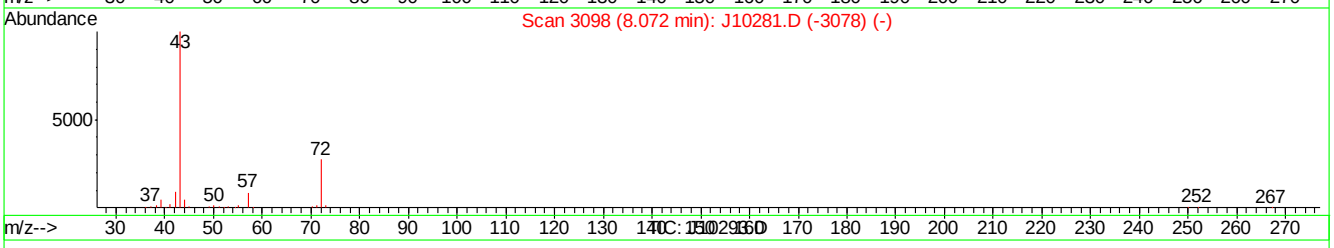
Data File : C:\MSDChem\1\data\J10293.D Vial: 6
Acq On : 10 May 2007 4:47 pm Operator: danat
Sample : M64467-1DUP (M126) Inst : MSJ
Misc : MS13540, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 17:14:10 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.09min 0.30PPBV m

response 9046

Ion	Exp%	Act%
43.00	100	100
57.00	8.80	8.74
72.00	27.60	25.70
0.00	0.00	0.00

J10293.D J050907T.M Thu May 10 17:15:45 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/16/07 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10016.D
Acq On : 12 Apr 2007 3:28 pm
Operator : PhilipB
Sample : BLK (M056)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 12 15:55:54 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	246114	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	594777	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	477356	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	109414	3.83	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 76.60%

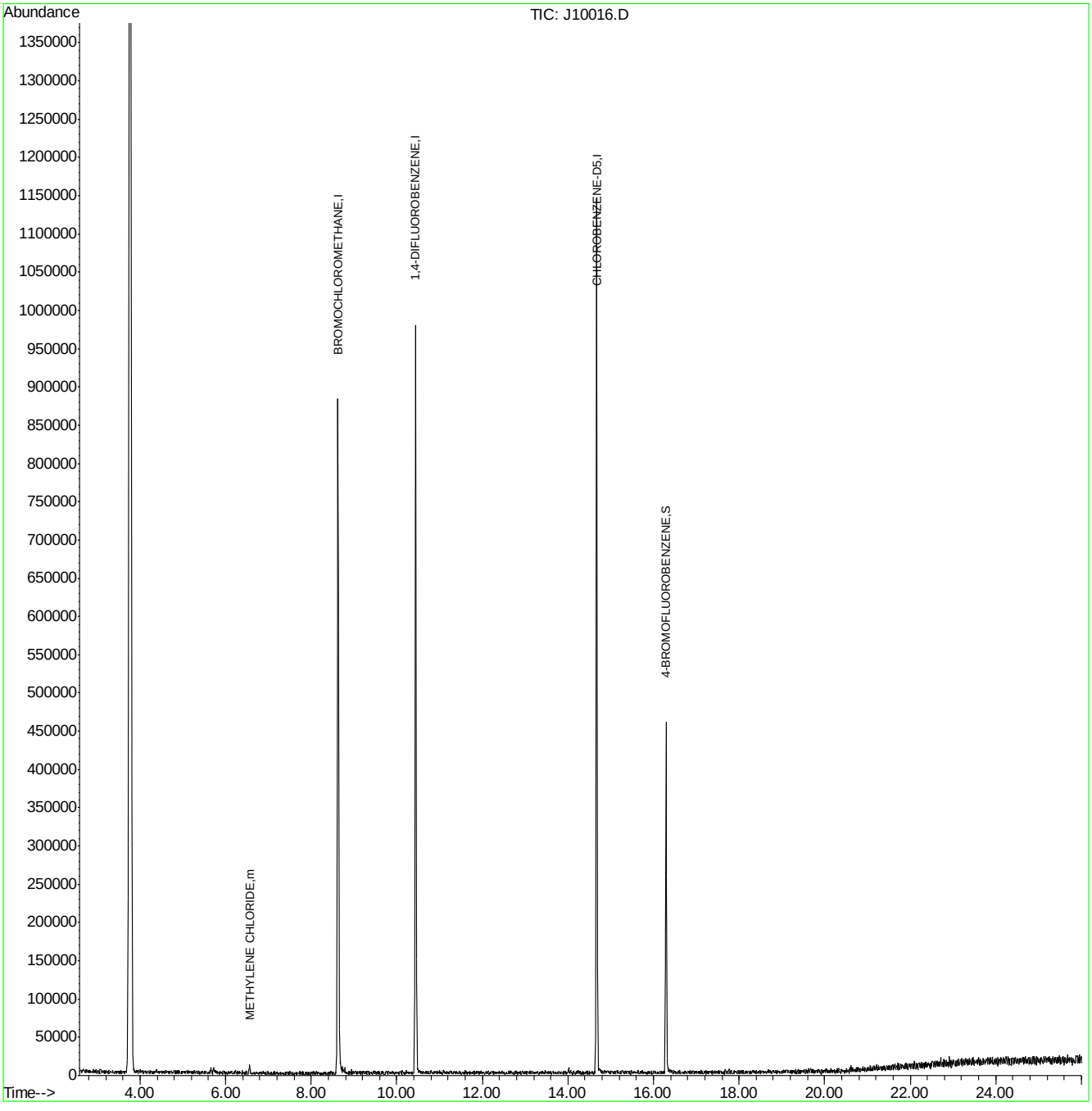
Target Compounds						Qvalue
18) METHYLENE CHLORIDE	6.56	84	3316m	0.19	PPBV	

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

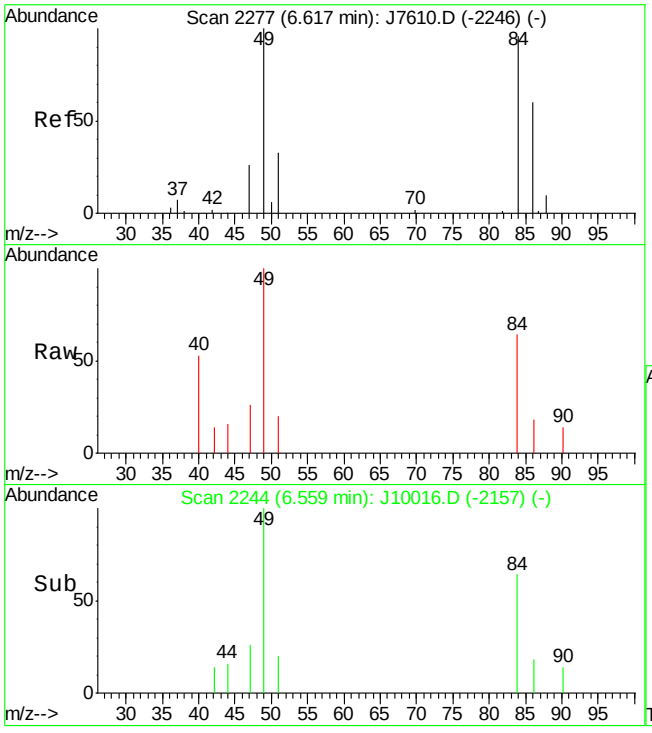
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10016.D
Acq On : 12 Apr 2007 3:28 pm
Operator : PhilipB
Sample : BLK (M056)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 12 15:55:54 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



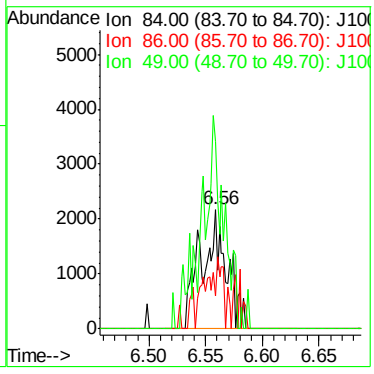
J040507T.M Mon Apr 16 11:24:03 2007 Page: 2



#18
METHYLENE CHLORIDE
Concen: 0.19 PPBV m
RT: 6.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: J10016.D
Acq: 12 Apr 2007 3:28 pm

Tgt Ion: 84 Resp: 3316

Ion	Ratio	Lower	Upper
84	100		
86	49.9	44.7	84.7
49	129.7	0.0	329.7



6.5.1

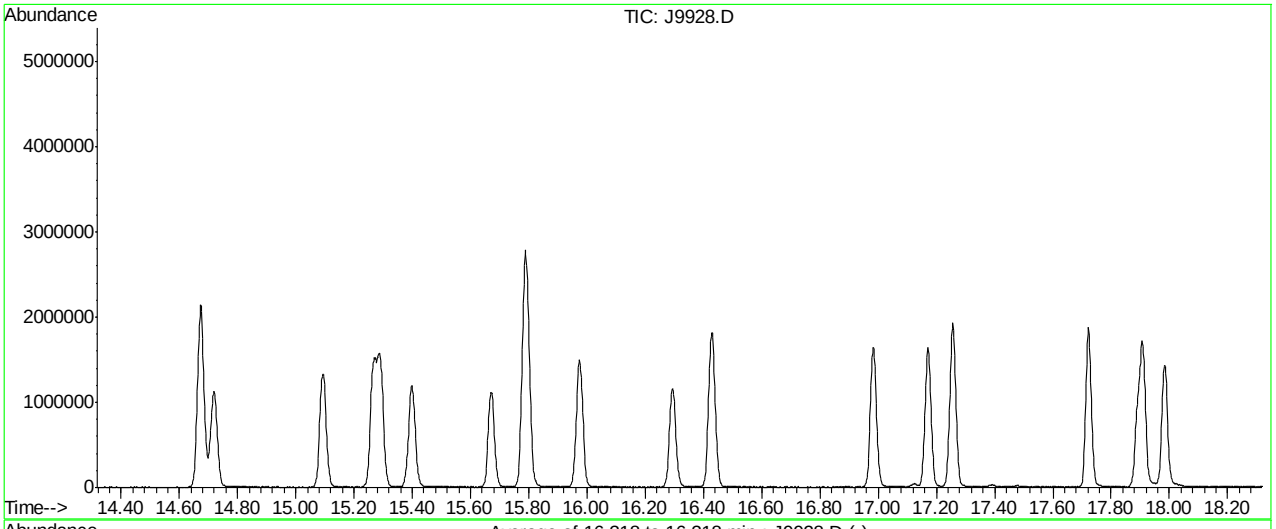
6

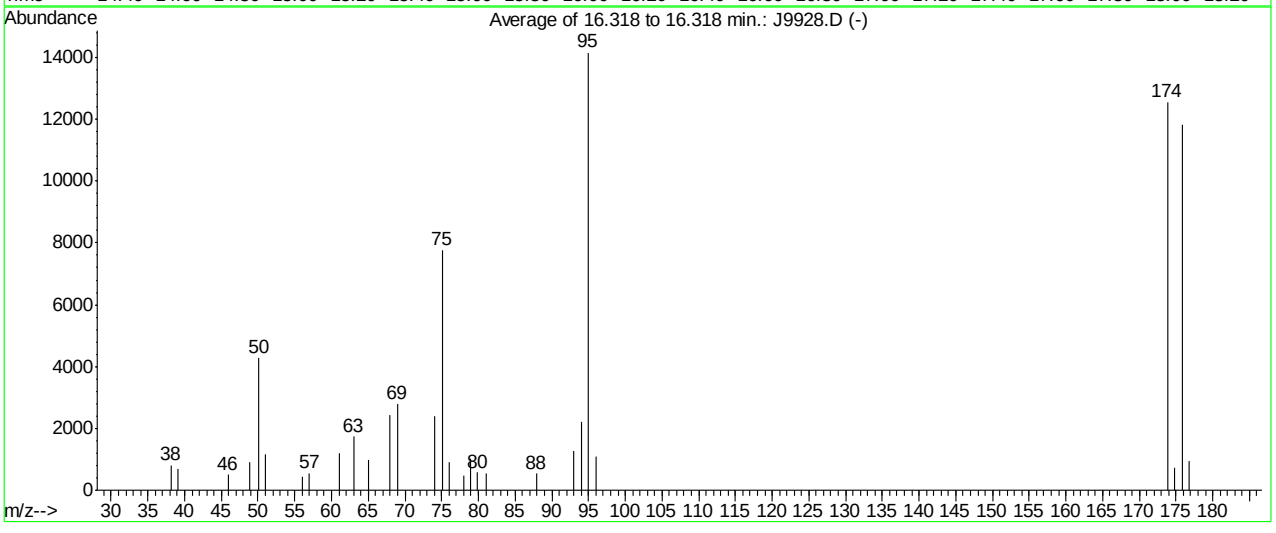
BFB

Data File : C:\MSDCHEM\1\DATA\J9928.D
Acq On : 5 Apr 2007 12:13 pm
Sample : IC513-10 (M014)
Misc : MS13316, MSJ513,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.318 to 16.318 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	30.2	4273	PASS
75	95	30	66	54.9	7769	PASS
95	95	100	100	100.0	14160	PASS
96	95	5	9	7.7	1090	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.7	12562	PASS
175	174	4	9	5.9	735	PASS
176	174	93	101	94.0	11811	PASS
177	176	5	9	8.0	949	PASS

J9928.D J040407T.M Thu Apr 05 13:51:49 2007

Average of 16.318 to 16.318 min.: J9928.D
IC513-10 (M014)
Modified:subtracted

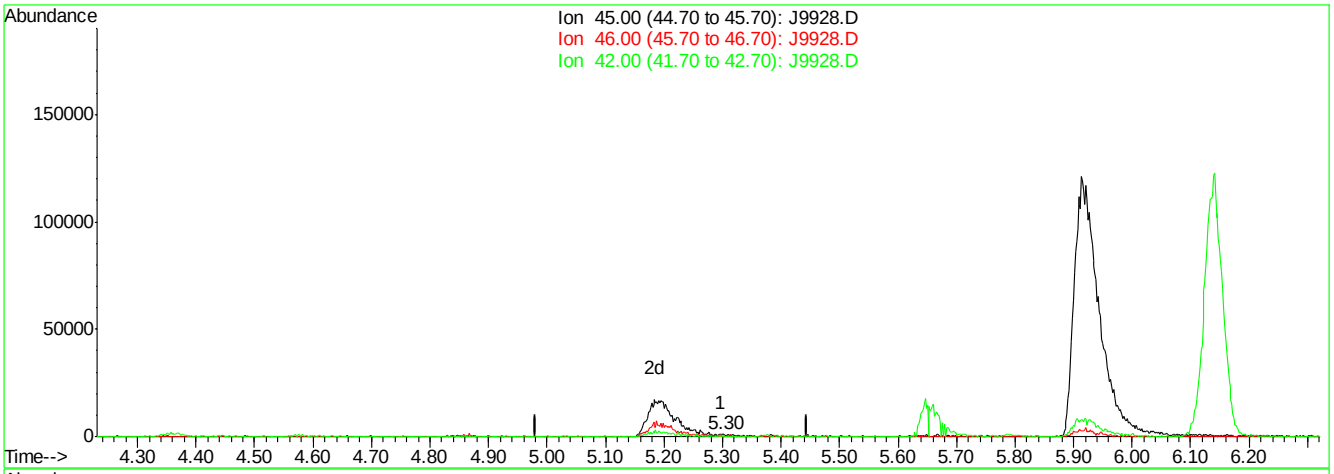
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	799	68.00	2426	94.00	2219		
39.10	692	69.00	2778	94.95	14160		
45.90	505	74.10	2397	96.00	1090		
48.90	901	75.10	7769	173.80	12562		
50.10	4273	76.10	912	174.80	735		
51.00	1177	78.00	474	175.90	11811		
56.00	435	78.90	1022	176.70	949		
57.00	555	79.90	568				
61.00	1201	81.00	537				
63.00	1734	87.90	533				
65.00	978	93.00	1269				

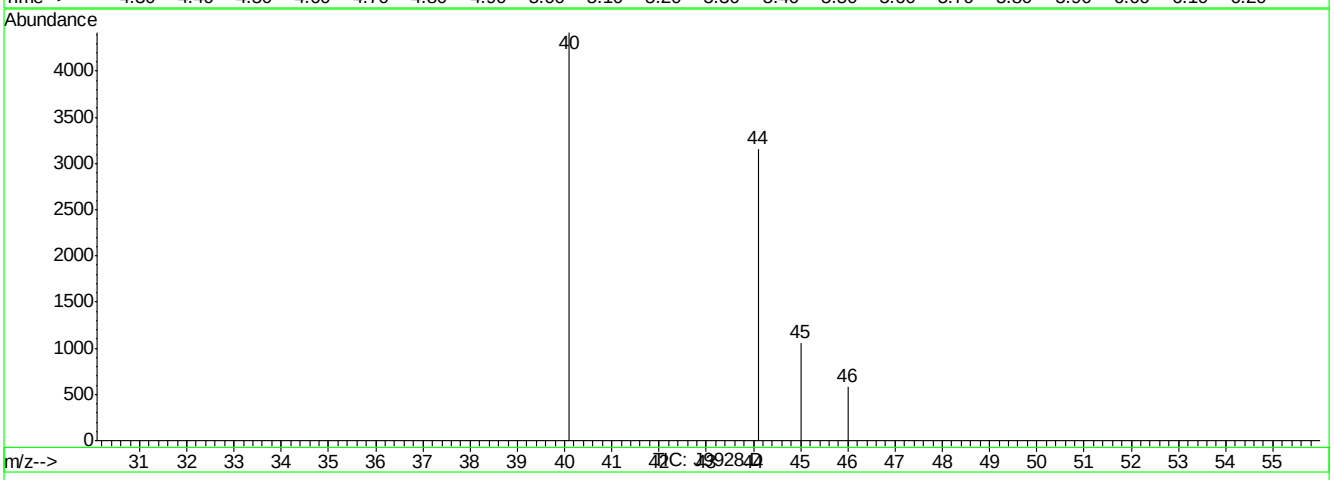
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.30min 0.23PPBV

response 1403

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	29.37
42.00	1.50	7.20
0.00	0.00	0.00

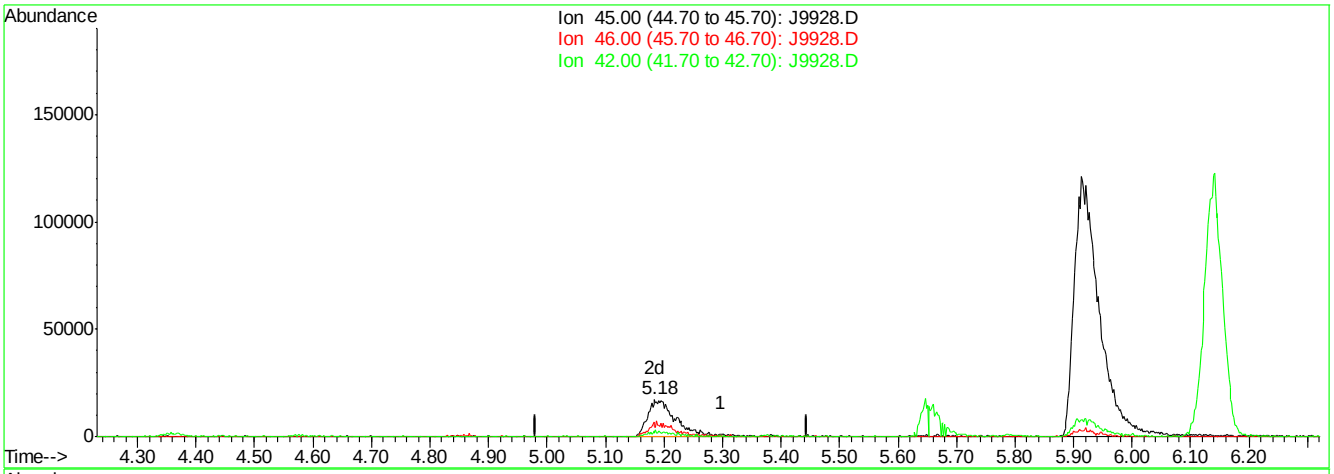
J9928.D J040407T.M Thu Apr 05 13:47:05 2007

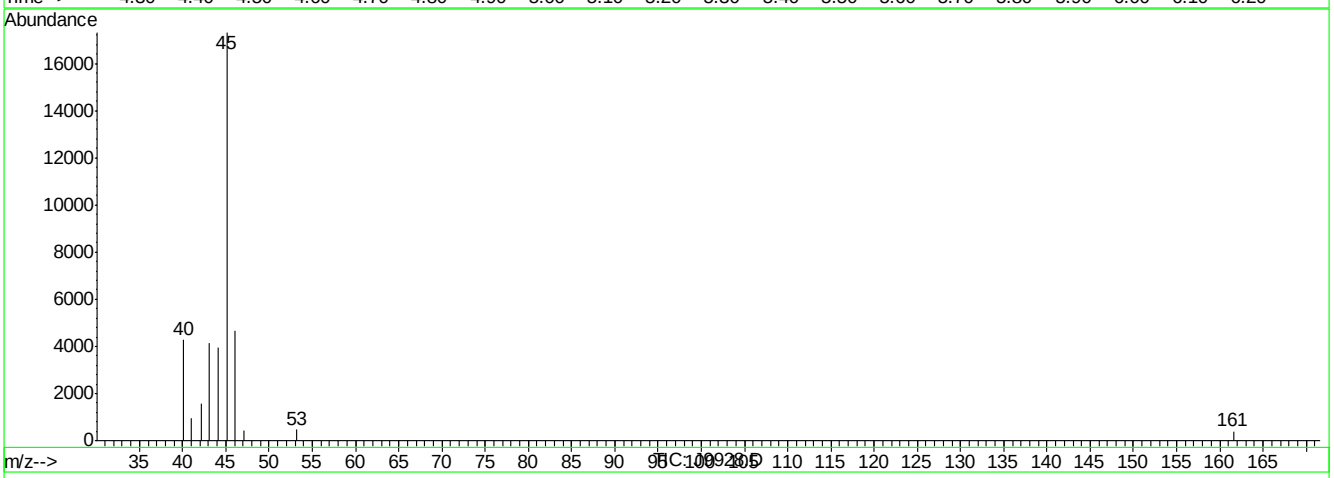
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.18min 9.58PPBV m

response 57892

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	0.71#
42.00	1.50	0.17
0.00	0.00	0.00

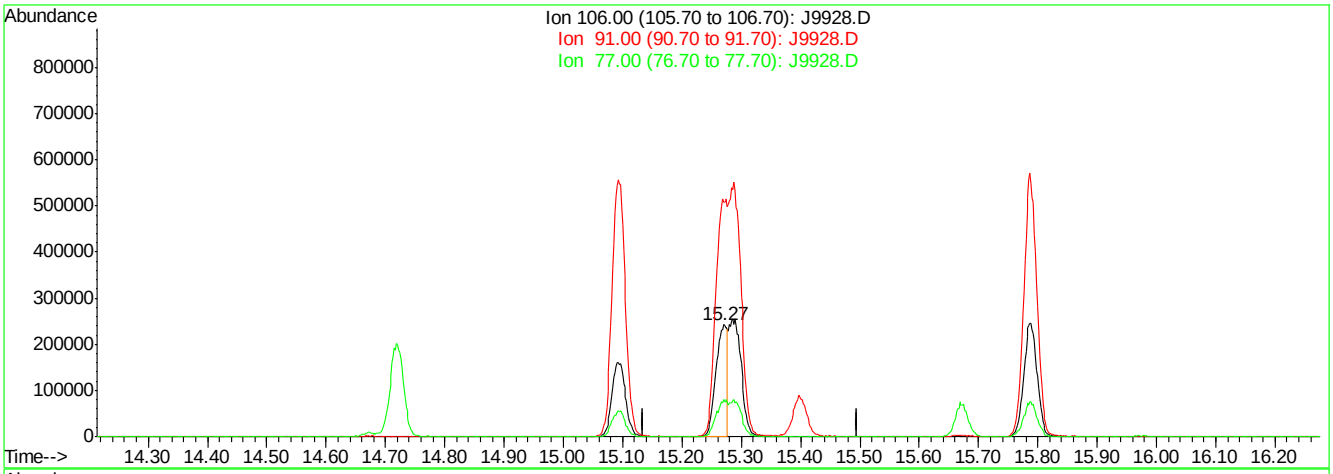
J9928.D J040407T.M Thu Apr 05 13:47:09 2007

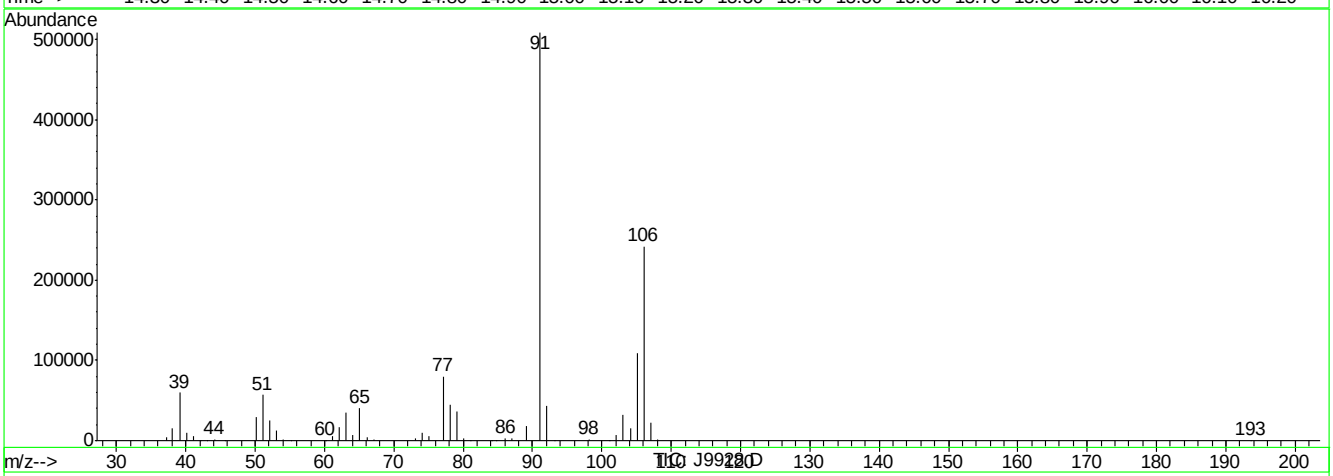
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.27min 5.76PPBV

response 321323

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	209.80
77.00	27.10	33.06#
0.00	0.00	0.00

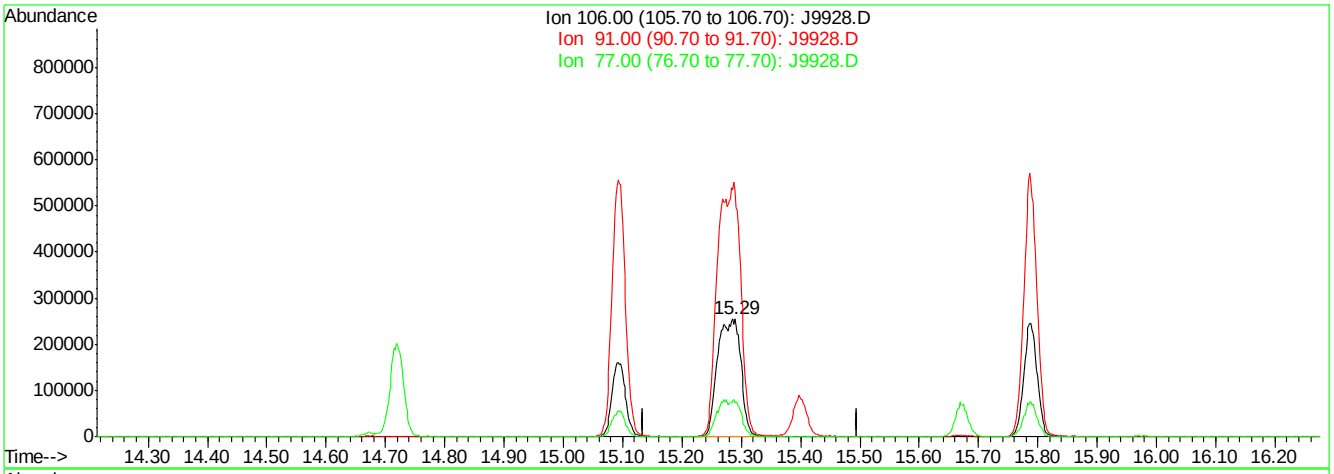
J9928.D J040407T.M Thu Apr 05 13:47:33 2007

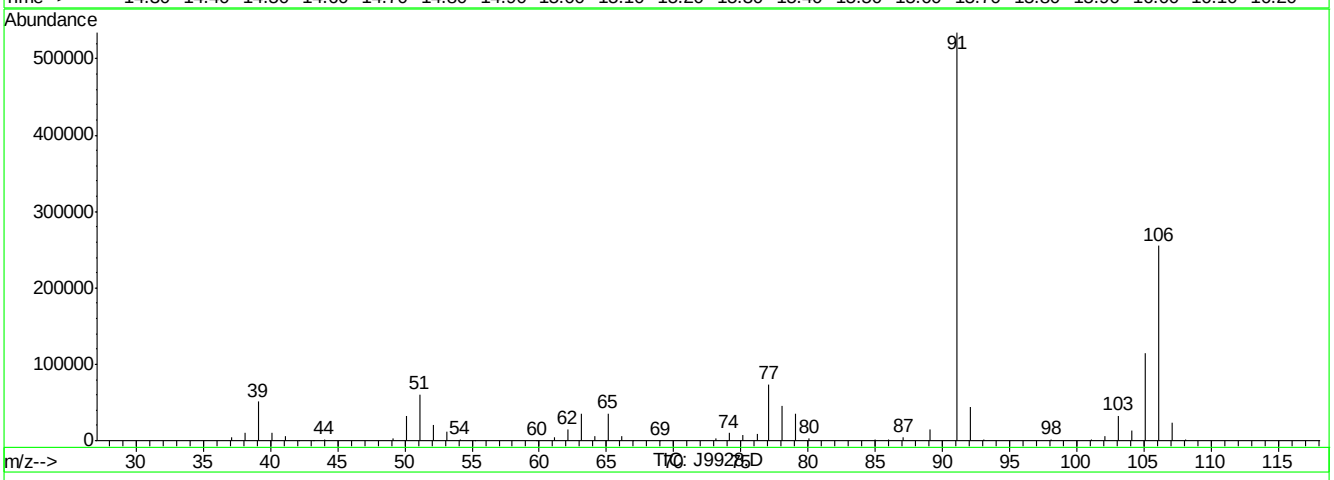
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.29min 12.37PPBV m

response 689985

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	209.43
77.00	27.10	28.84
0.00	0.00	0.00

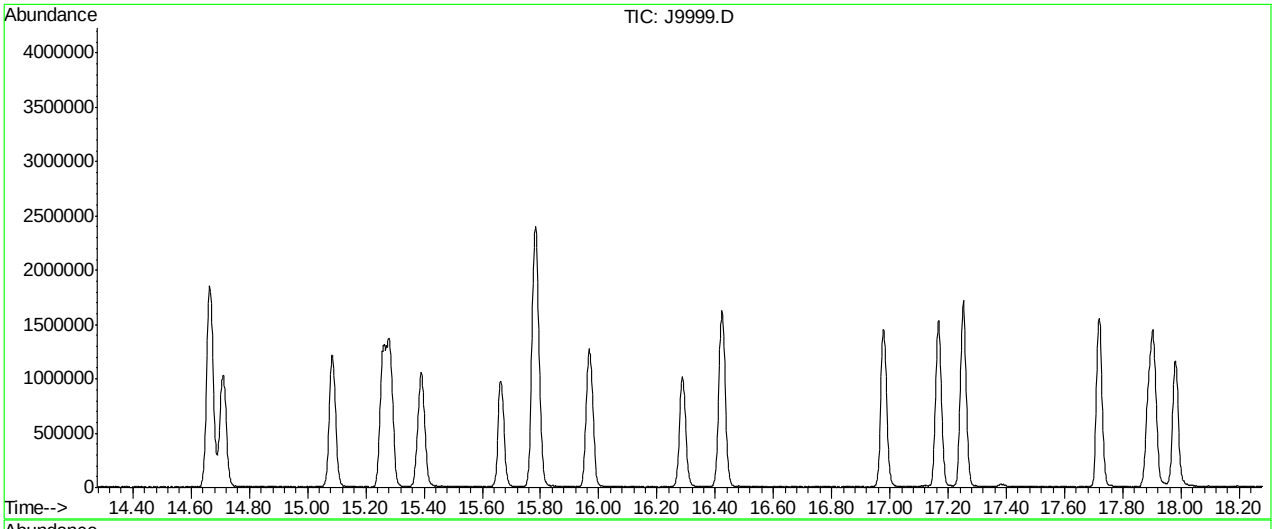
J9928.D J040407T.M Thu Apr 05 13:47:37 2007

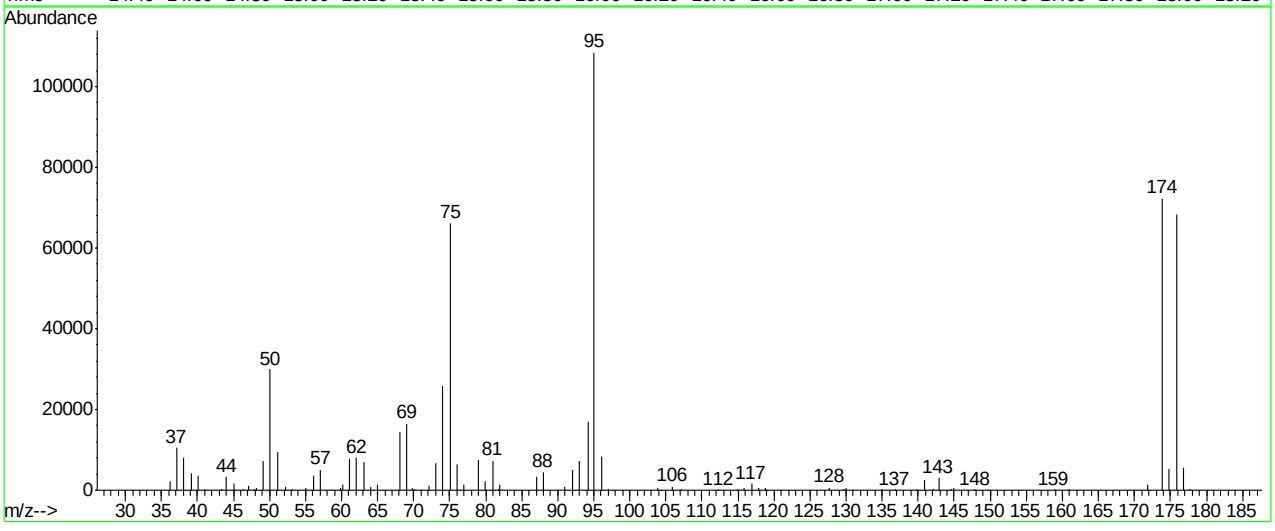
BFB

Data File : C:\MSDCHEM\1\DATA\J9999.D
Acq On : 11 Apr 2007 2:29 pm
Sample : CC513-10 (M119)
Misc : MS13358, MSJ517,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: PhilipB
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.276 to 16.279 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.6	29930	PASS
75	95	30	66	61.0	66128	PASS
95	95	100	100	100.0	108448	PASS
96	95	5	9	7.8	8455	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	66.7	72320	PASS
175	174	4	9	7.3	5248	PASS
176	174	93	101	94.6	68442	PASS
177	176	5	9	8.3	5680	PASS

J9999.D J040507T.M Wed Apr 11 15:29:58 2007

Average of 16.276 to 16.279 min.: J9999.D
CC513-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2180	47.90	173	59.90	503	71.00	134
37.10	10544	48.15	620	60.10	1457	72.15	1058
38.10	7952	49.10	7239	61.05	7785	73.10	6691
39.10	4102	50.10	29930	62.10	7925	74.05	25837
40.05	3598	51.10	9367	63.05	6818	75.10	66128
41.10	350	52.15	838	64.05	844	76.05	6334
43.30	242	53.10	225	65.00	1482	76.95	1496
44.05	3284	55.10	683	68.05	14411	78.95	7432
45.10	1603	56.05	3550	69.05	16391	79.95	2257
46.30	196	57.10	5054	69.85	550	81.00	7292
47.10	1105	58.50	142	70.10	338	81.80	422

Average of 16.276 to 16.279 min.: J9999.D
CC513-10 (M119)

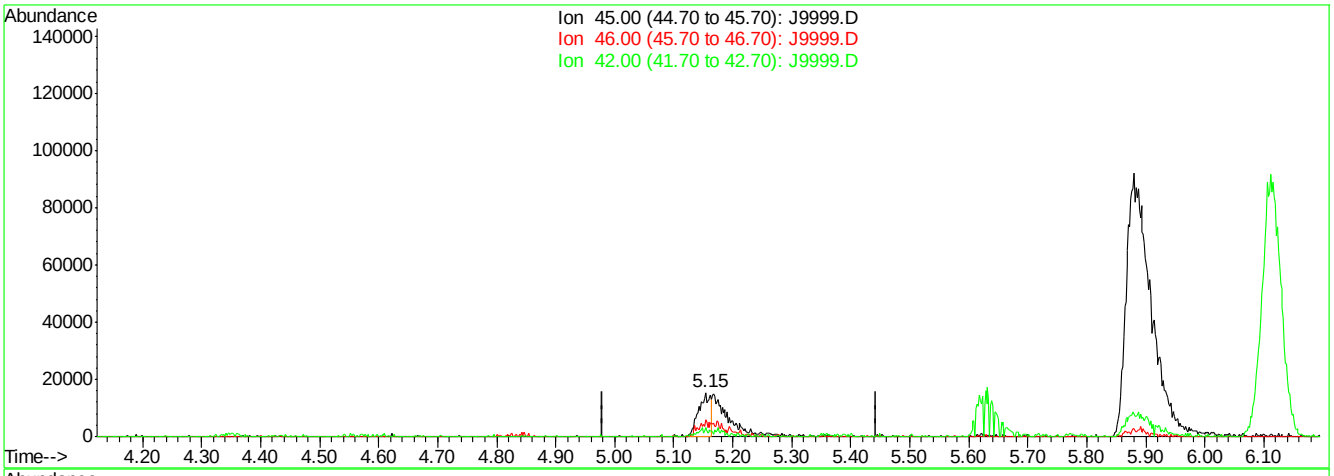
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.00	1481	104.40	142	129.70	205	147.90	223
87.05	3429	105.95	886	129.95	486	149.70	133
87.95	4541	107.20	165	131.00	136	158.90	241
90.95	884	112.30	237	134.90	155	160.90	175
92.05	5070	114.90	280	136.80	210	171.90	1489
93.00	7282	115.90	663	139.75	310	173.90	72320
94.15	16959	116.85	1573	140.90	2377	174.85	5248
95.05	108448	117.85	559	142.10	239	175.90	68442
96.10	8455	118.75	585	142.85	2994	176.80	5680
97.00	186	119.00	145	144.60	160	177.70	162
103.85	699	127.70	584	144.85	630		

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.15min 3.19PPBV

response 21586

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	30.05
42.00	1.50	6.99
0.00	0.00	0.00

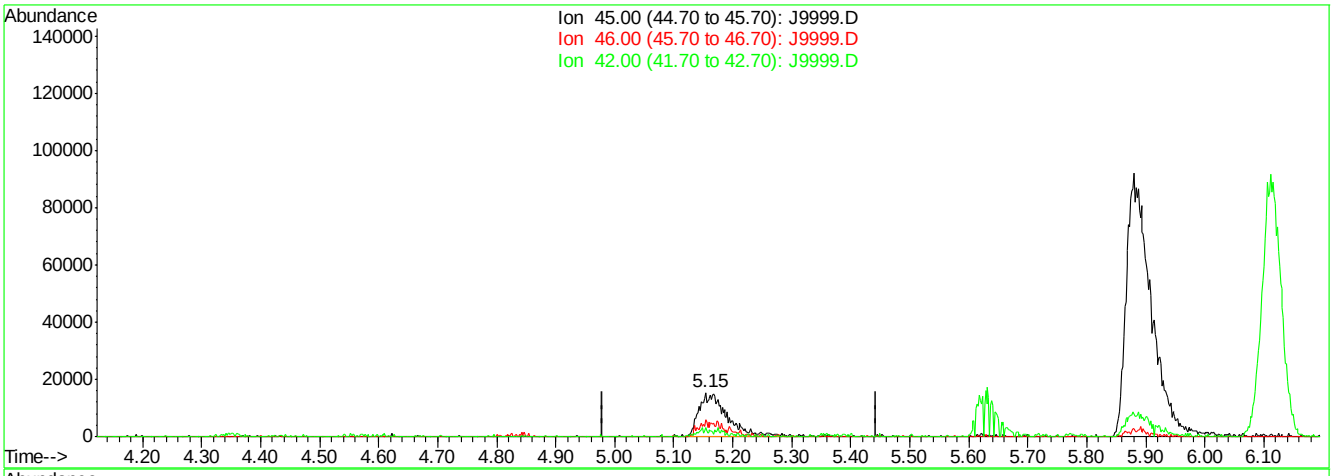
J9999.D J040507T.M Wed Apr 11 15:28:13 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.15min 8.74PPBV m

response 49903

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	13.00#
42.00	1.50	3.02
0.00	0.00	0.00

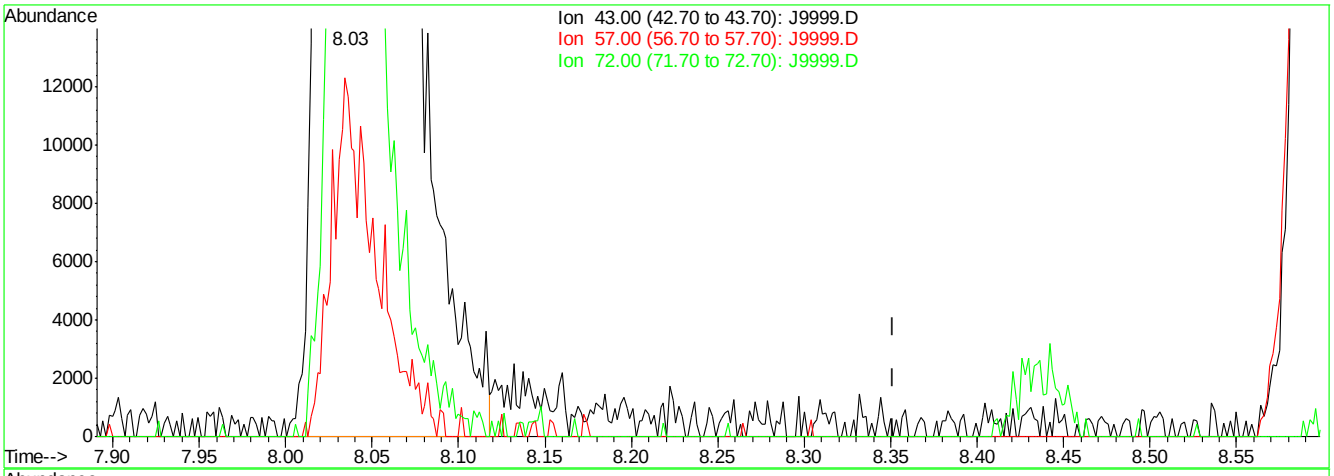
J9999.D J040507T.M Wed Apr 11 15:28:20 2007

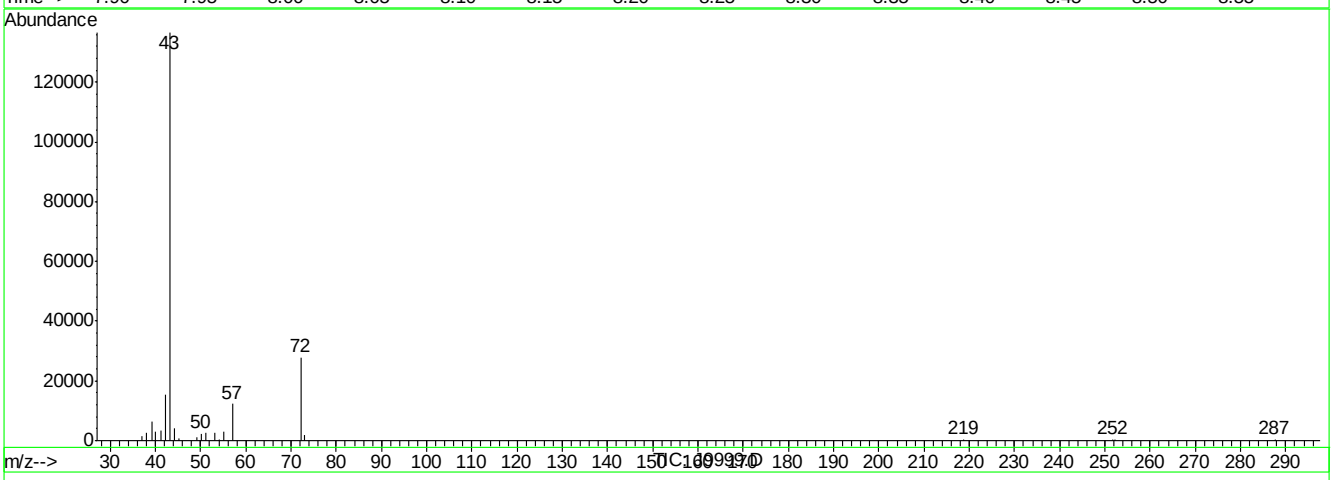
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.03min 6.82PPBV

response 290089

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	9.02
72.00	25.60	20.41
0.00	0.00	0.00

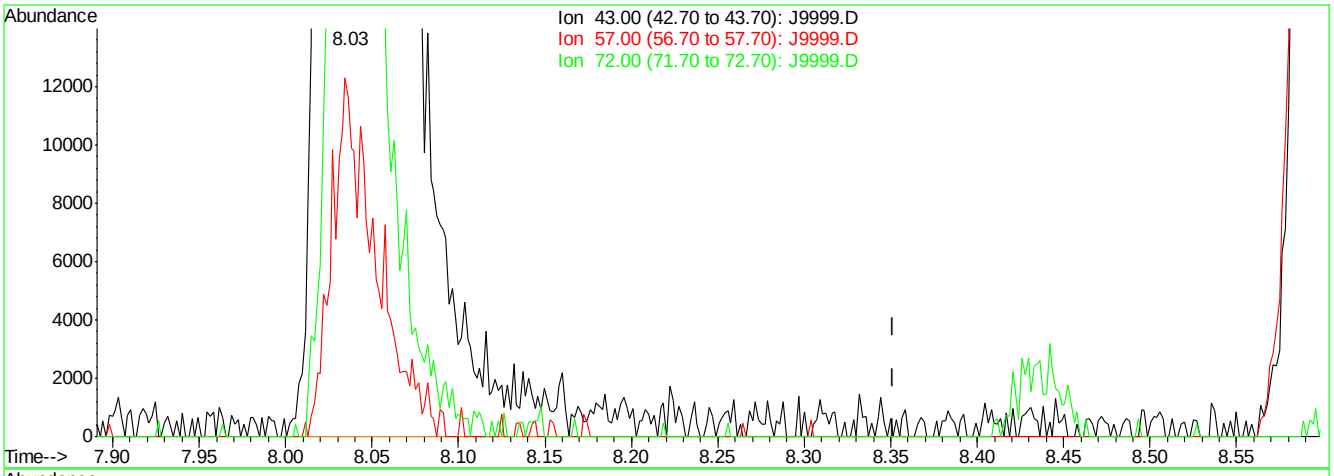
J9999.D J040507T.M Wed Apr 11 15:28:38 2007

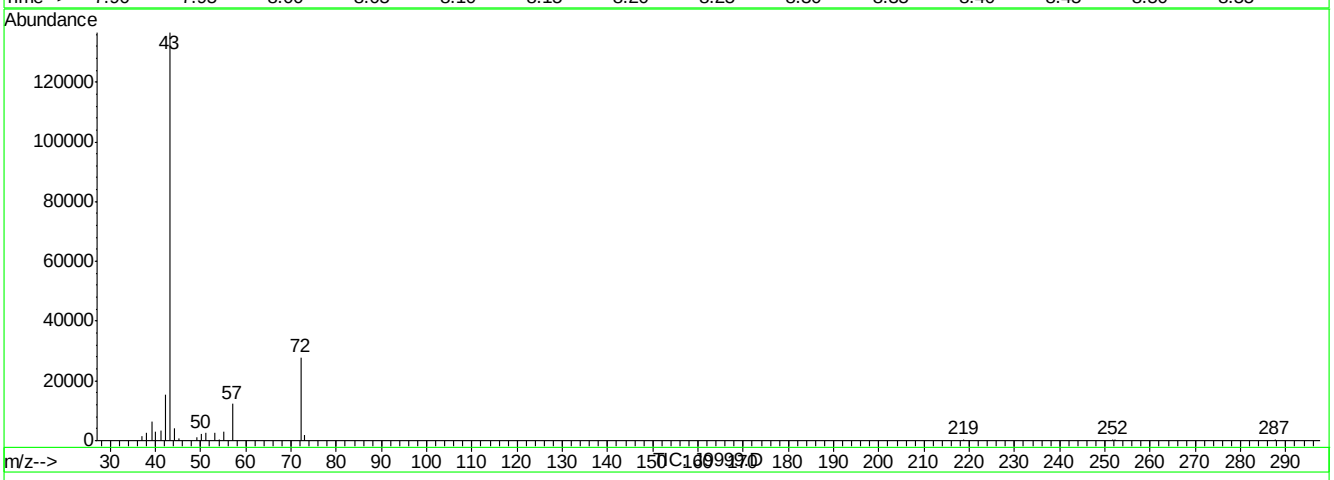
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.03min 7.07PPBV m

response 300912

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	9.02
72.00	25.60	20.41
0.00	0.00	0.00

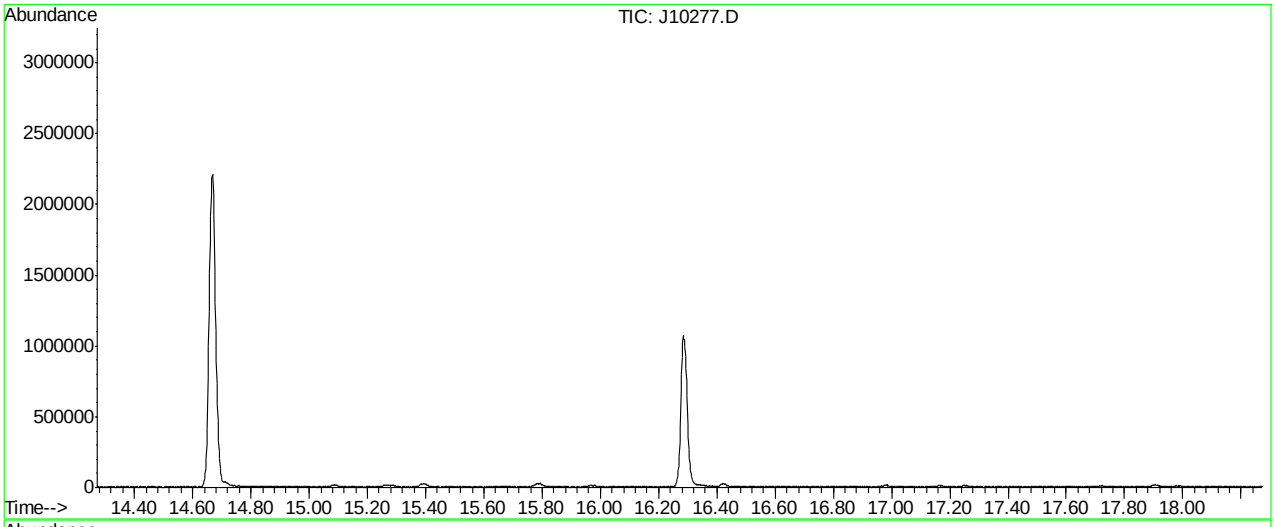
J9999.D J040507T.M Wed Apr 11 15:28:43 2007

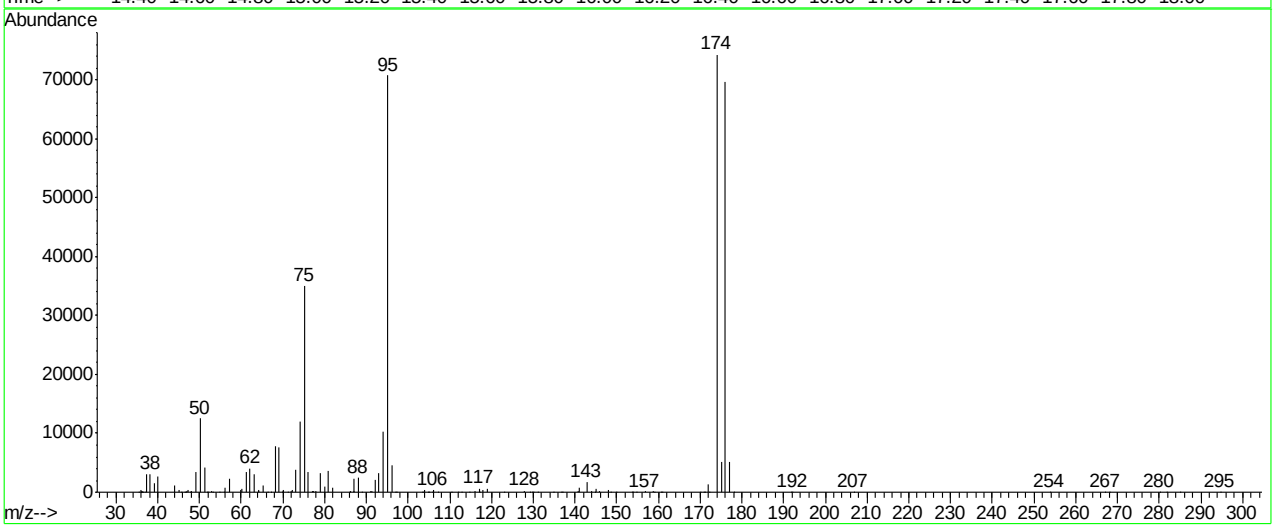
BFB

Data File : C:\MSDChem\1\data\J10277.D
Acq On : 9 May 2007 6:39 pm
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.263 to 16.281 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.7	12561	PASS
75	95	30	66	49.5	35015	PASS
95	95	100	100	100.0	70793	PASS
96	95	5	9	6.6	4662	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	105.0	74325	PASS
175	174	4	9	6.9	5105	PASS
176	174	93	101	93.8	69706	PASS
177	176	5	9	7.3	5111	PASS

J10277.D J050907T.M Thu May 10 12:01:54 2007

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.50	59	40.05	2707	50.15	12561	60.15	636
35.90	54	44.05	1187	51.15	4218	61.15	3432
36.00	73	45.20	443	51.90	42	62.10	4086
36.10	359	45.70	51	52.15	88	63.15	3087
36.20	106	46.40	41	52.85	131	64.05	186
36.30	86	46.80	38	53.20	55	64.25	367
36.50	76	46.95	237	54.90	37	65.15	1110
37.10	86	47.25	436	55.80	47	66.20	45
37.25	2989	47.80	83	56.10	787	67.10	37
38.15	3048	48.15	249	57.10	2251	68.10	7805
39.15	1478	49.15	3504	59.95	433	69.05	7535

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
69.80	50	77.35	108	88.90	51	103.70	64
70.00	148	77.90	197	90.95	220	104.05	294
70.15	313	79.00	3245	91.20	107	104.80	44
71.10	52	80.10	925	92.05	2174	105.10	41
71.85	140	80.95	3533	93.05	3251	105.70	87
72.15	355	82.00	848	94.10	10204	106.00	297
73.10	3854	86.00	61	95.10	70793	107.20	43
74.15	11943	86.15	152	96.05	4662	110.30	67
75.10	35015	86.90	283	96.90	41	111.90	50
76.10	3357	87.05	2199	97.20	90	112.90	44
77.00	239	88.05	2442	103.30	48	114.80	80

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.05	235	134.80	65	148.60	48	170.80	44
117.00	621	136.60	39	149.80	47	171.05	92
117.20	101	137.00	54	153.60	57	171.95	1392
117.90	296	140.75	197	153.90	55	172.30	103
118.95	524	140.95	721	154.80	84	174.00	74325
122.90	38	142.90	1780	156.85	159	175.05	5105
127.90	193	143.90	110	158.75	119	176.00	69706
129.20	45	144.90	88	159.00	36	176.95	5111
129.80	54	145.05	610	160.70	44	178.00	75
130.00	67	145.90	130	160.90	76	191.70	38
131.00	46	147.95	326	170.10	40	192.10	60

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

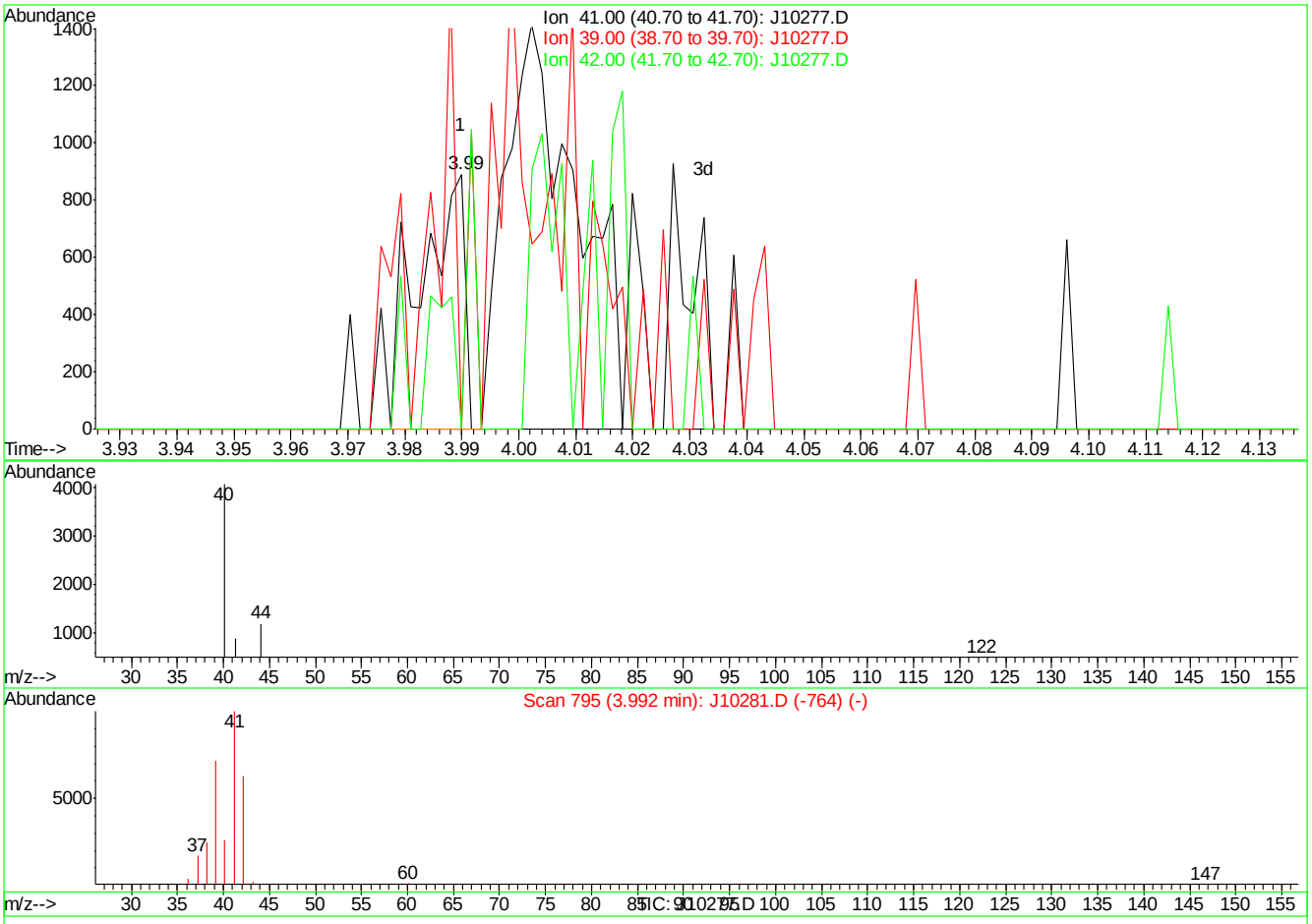
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.85	95						
253.80	41						
267.05	91						
268.10	52						
280.20	38						
281.80	38						
284.90	37						
294.70	36						

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(3) PROPYLENE (m)

3.99min 0.04PPBV

response 567

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	0.00#
42.00	62.70	0.00#
0.00	0.00	0.00

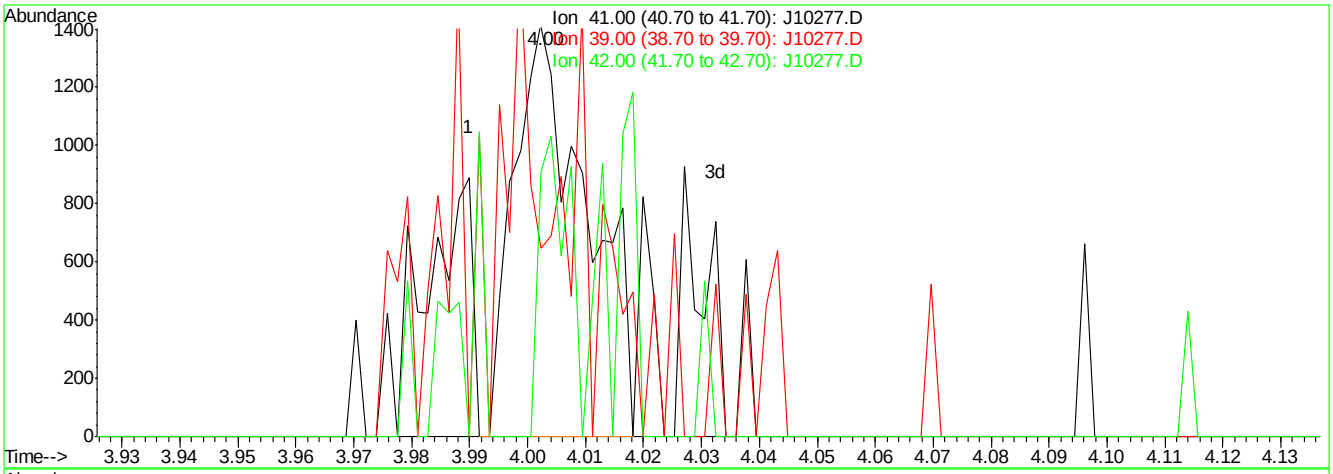
J10277.D J050907T.M Thu May 10 08:35:35 2007

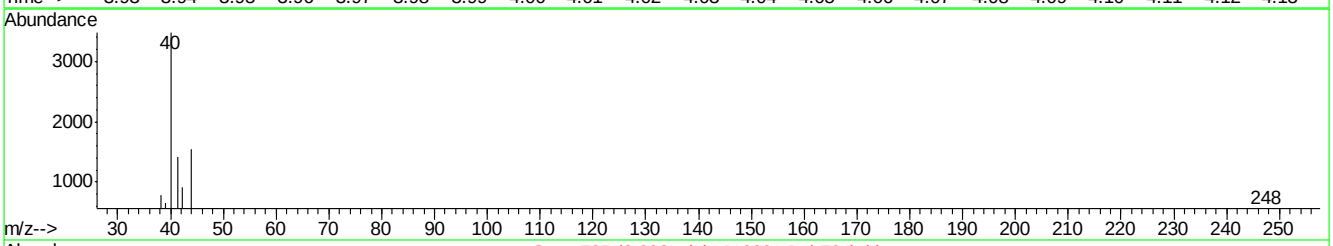
Quantitation Report (Qedit)

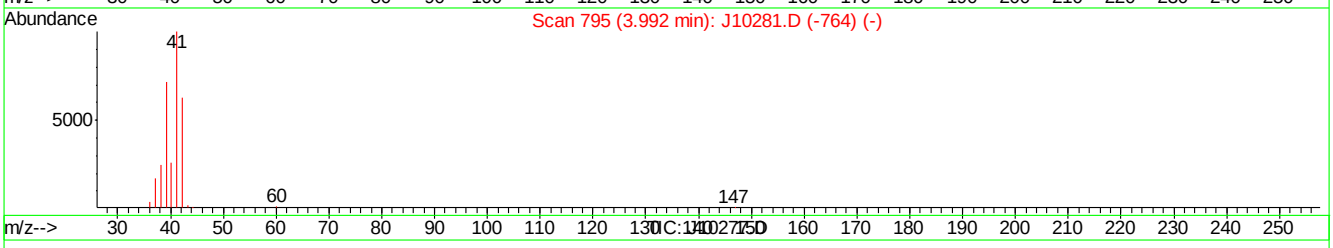
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(3) PROPYLENE (m)

4.00min 0.09PPBV m

response 1240

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	45.77#
42.00	62.70	64.25
0.00	0.00	0.00

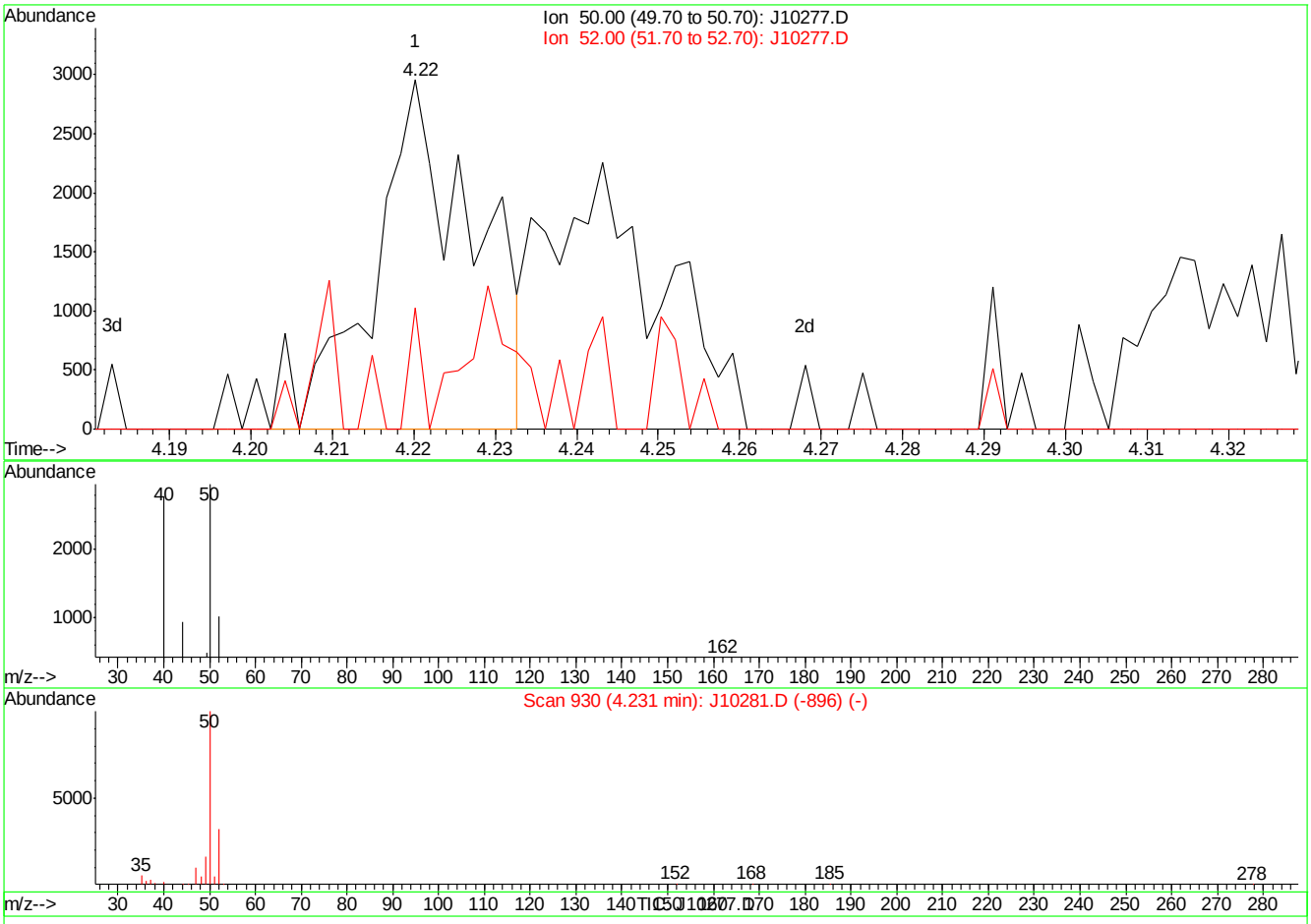
J10277.D J050907T.M Thu May 10 08:35:44 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(5) CHLOROMETHANE (m)

4.22min 0.12PPBV

response 2652

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	29.05
0.00	0.00	0.00
0.00	0.00	0.00

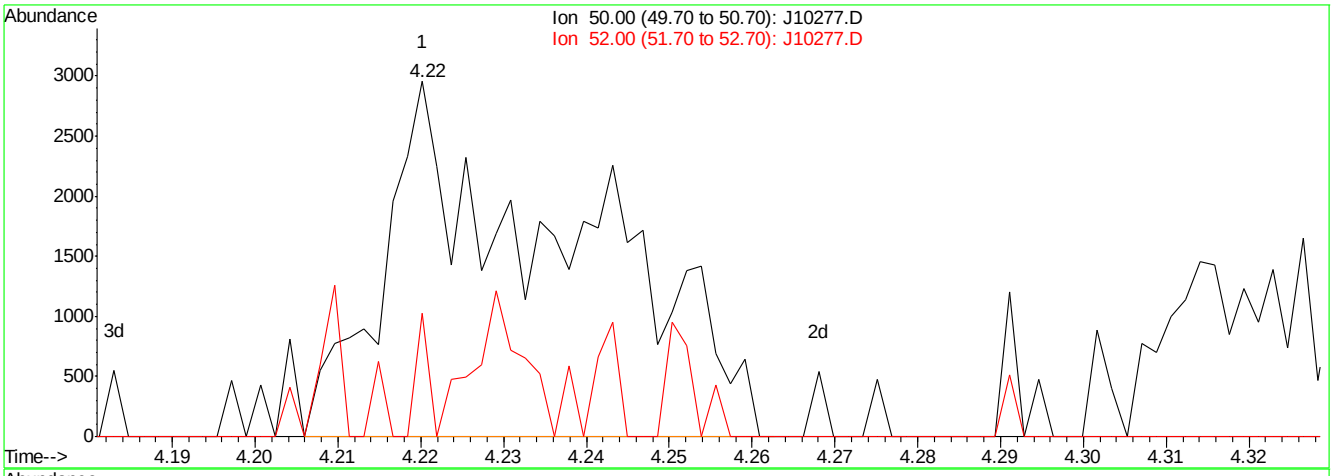
J10277.D J050907T.M Thu May 10 08:35:58 2007

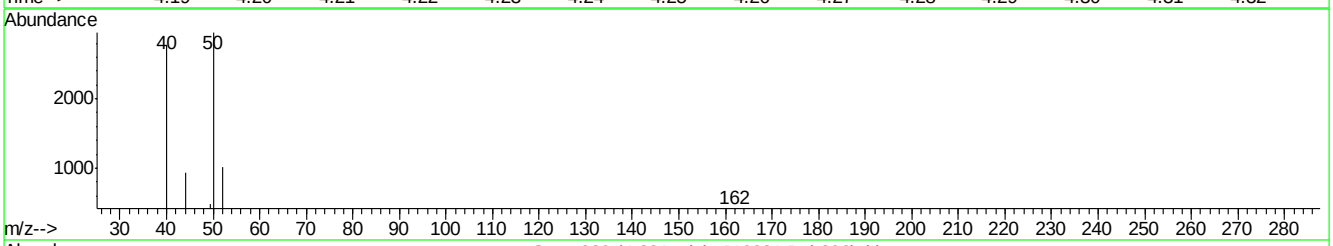
Quantitation Report (Qedit)

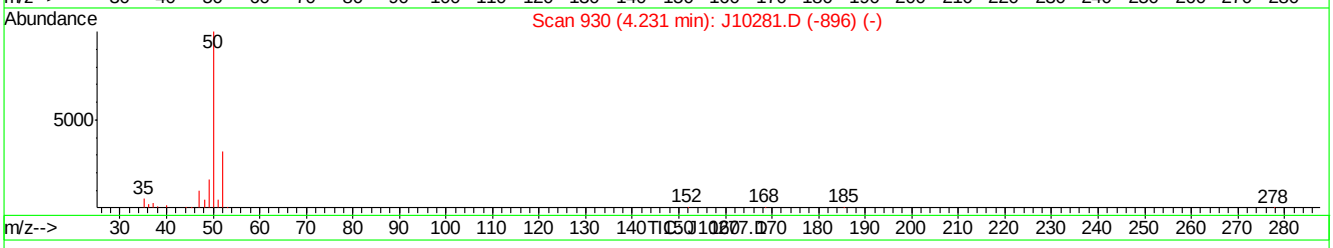
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(5) CHLOROMETHANE (m)

4.22min 0.21PPBV m

response 4633

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	34.59
0.00	0.00	0.00
0.00	0.00	0.00

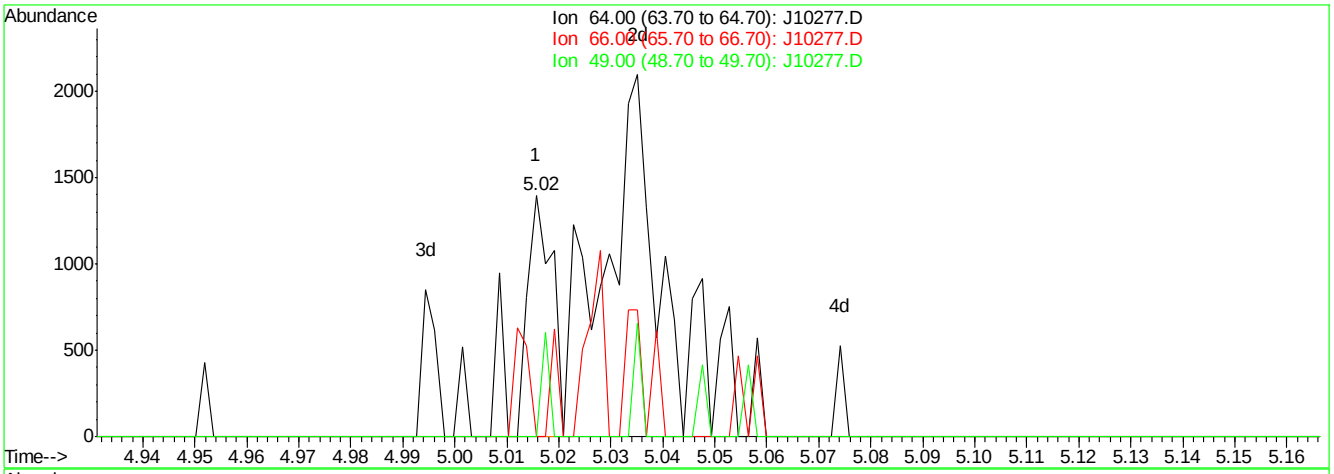
J10277.D J050907T.M Thu May 10 08:36:03 2007

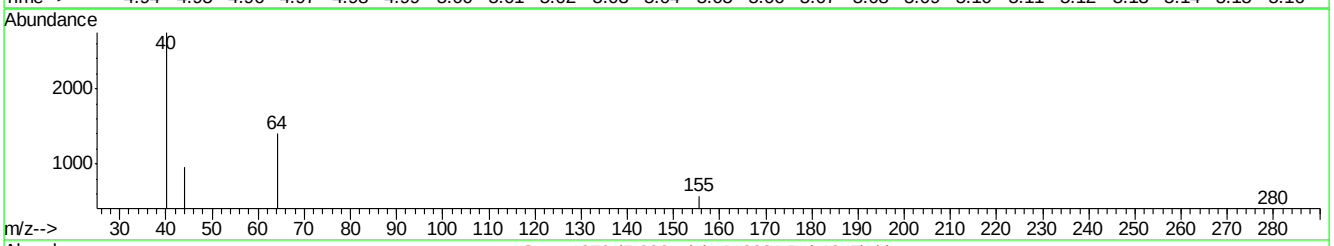
Quantitation Report (Qedit)

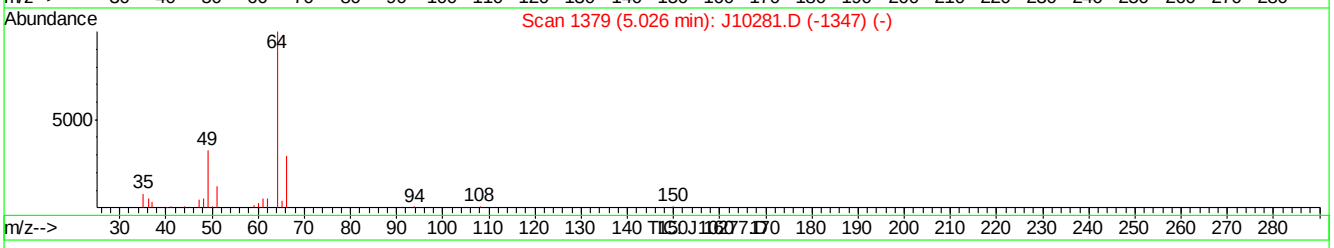
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 557

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	22.08
49.00	30.20	11.49
0.00	0.00	0.00

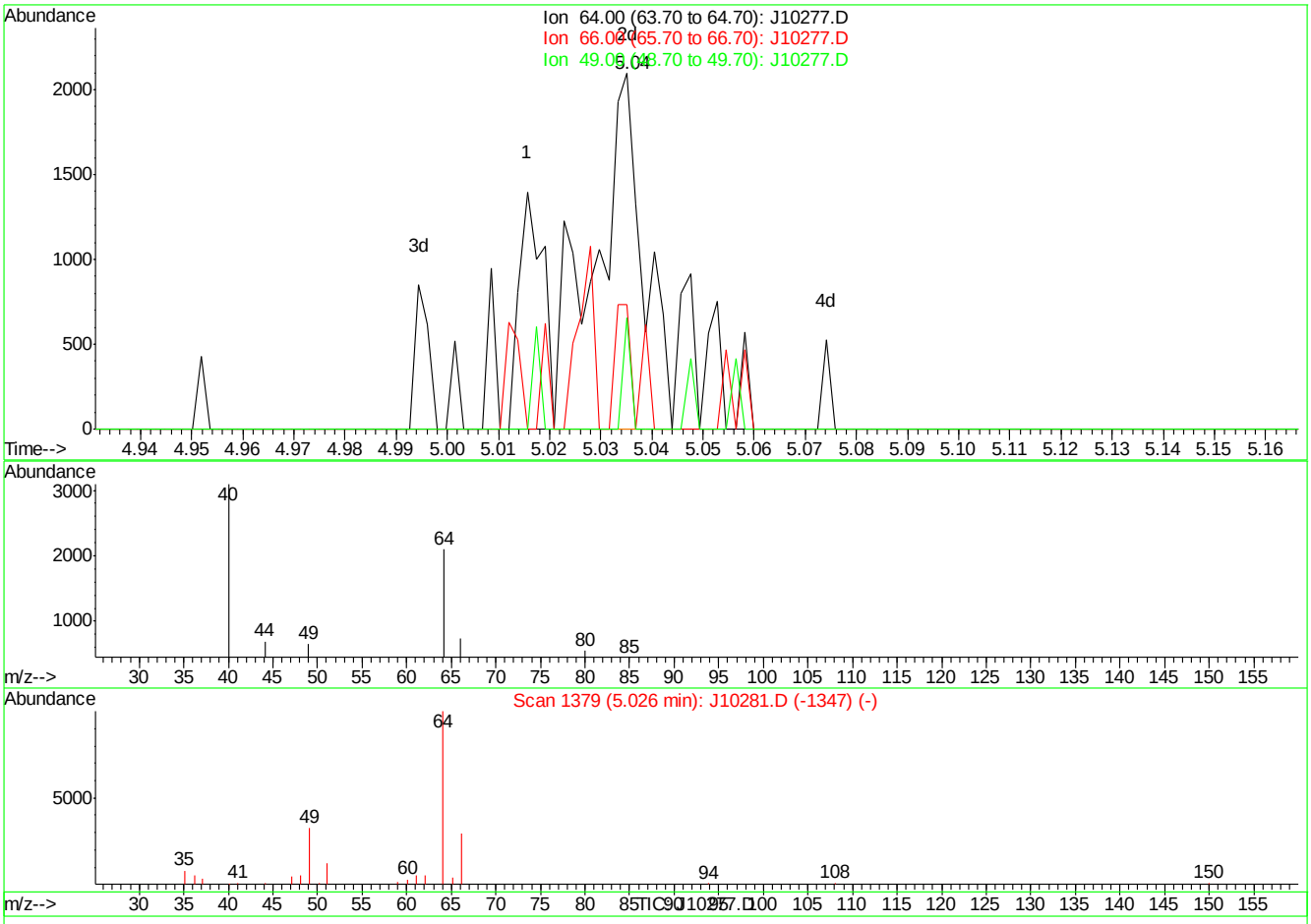
J10277.D J050907T.M Thu May 10 08:36:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(9) CHLOROETHANE (m)

5.04min 0.12PPBV m

response 1417

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	8.68#
49.00	30.20	4.52#
0.00	0.00	0.00

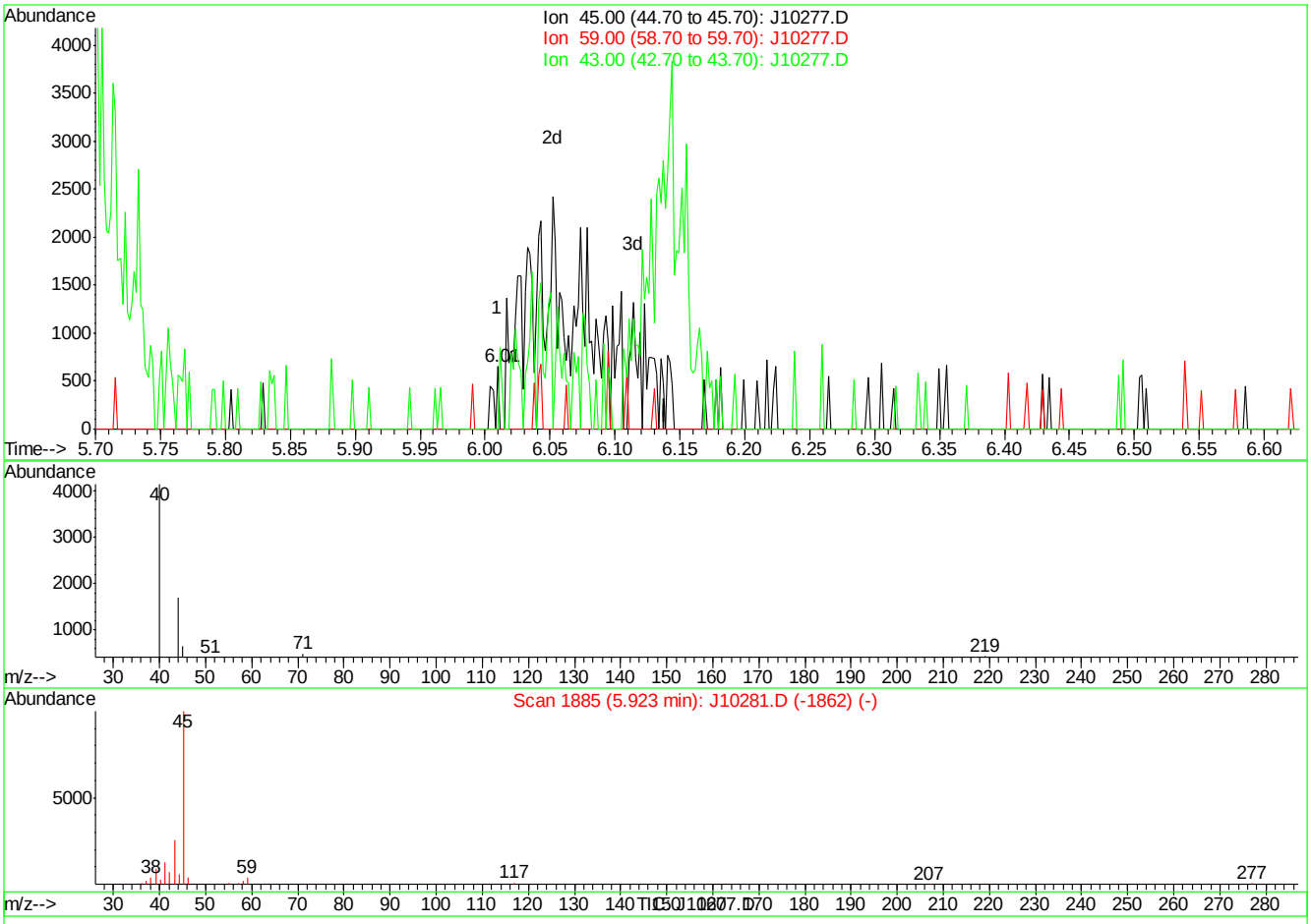
J10277.D J050907T.M Thu May 10 08:36:22 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

6.01min 0.01PPBV

response 160

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

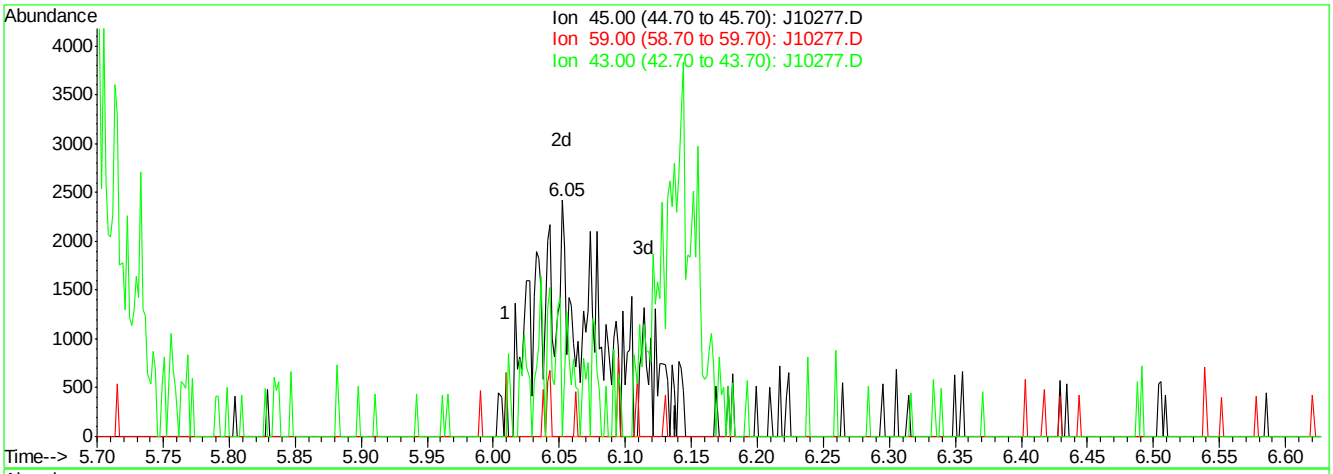
J10277.D J050907T.M Thu May 10 08:36:30 2007

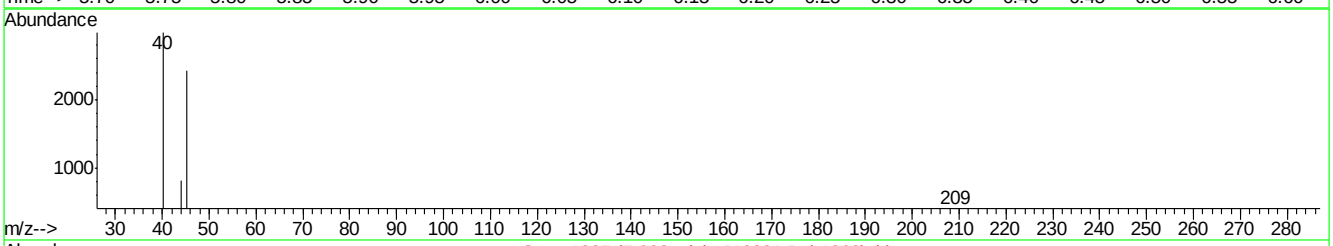
Quantitation Report (Qedit)

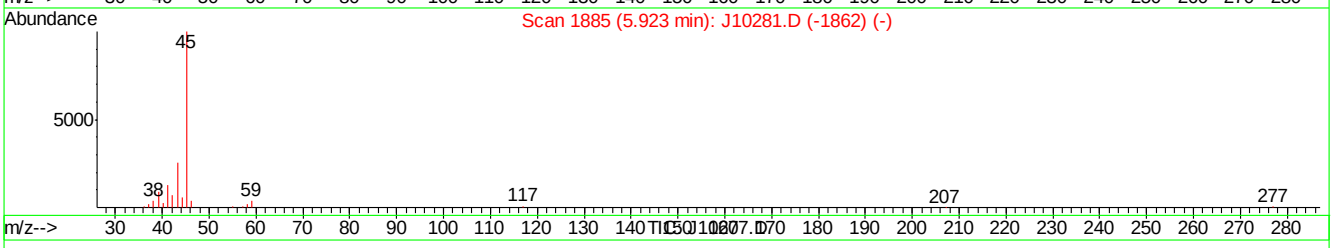
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.05min 0.28PPBV m

response 6895

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

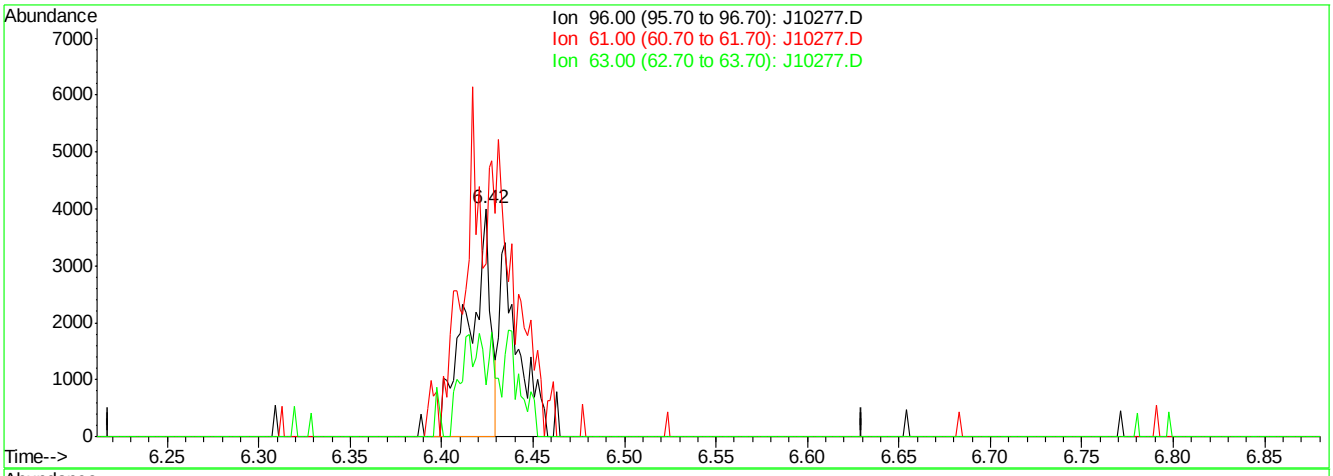
J10277.D J050907T.M Thu May 10 08:36:36 2007

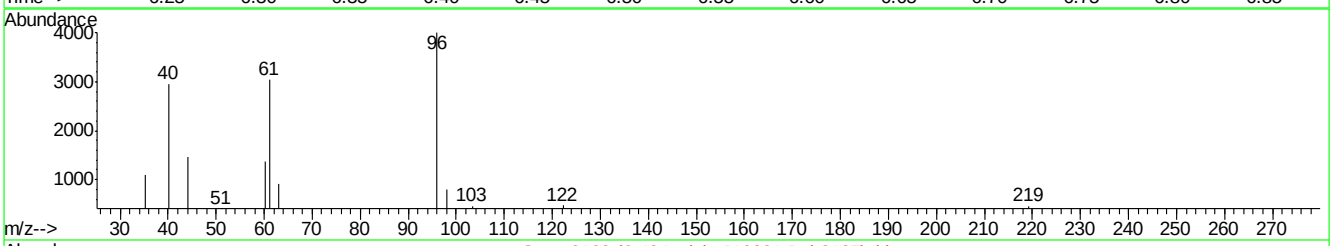
Quantitation Report (Qedit)

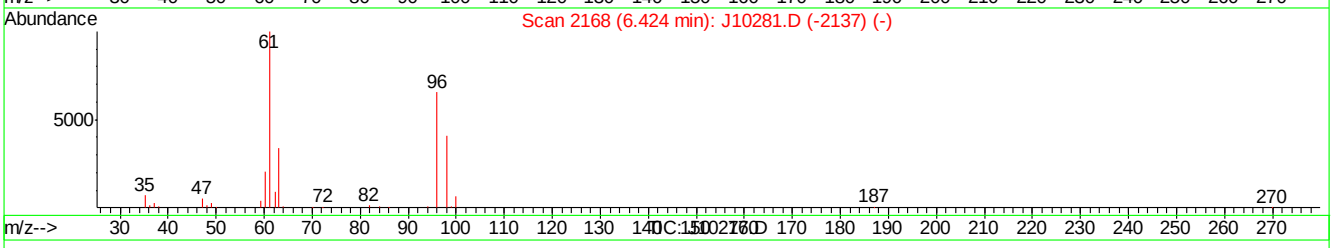
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.11PPBV

response 3441

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	284.42#
63.00	52.40	62.05
0.00	0.00	0.00

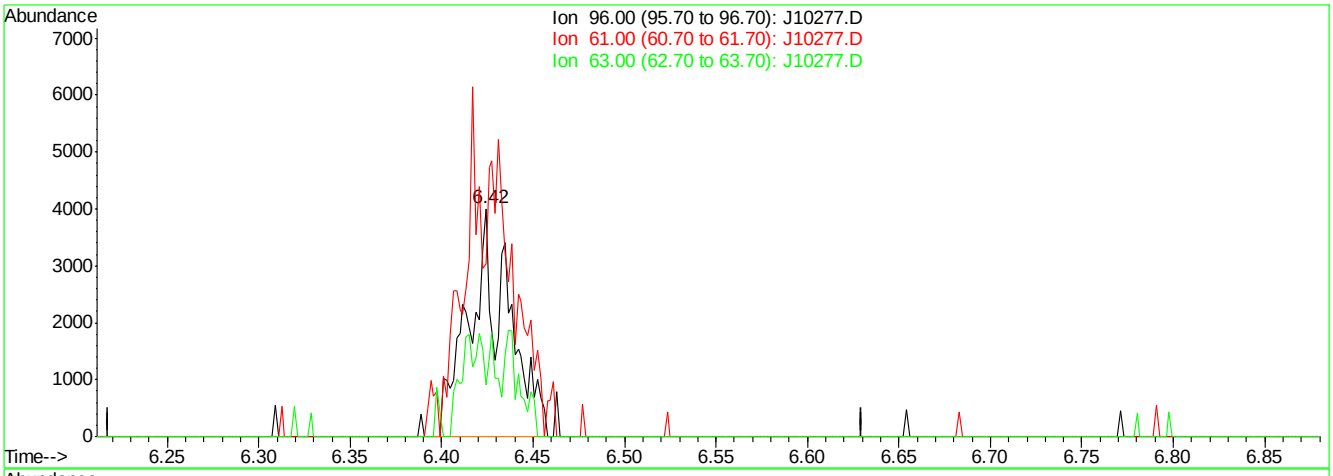
J10277.D J050907T.M Thu May 10 08:36:49 2007

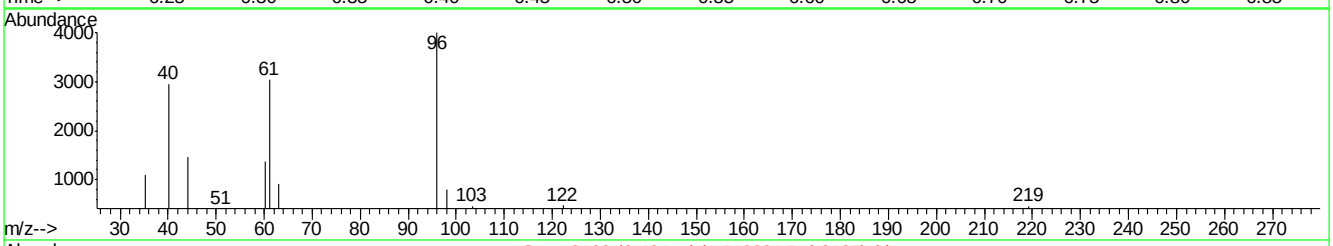
Quantitation Report (Qedit)

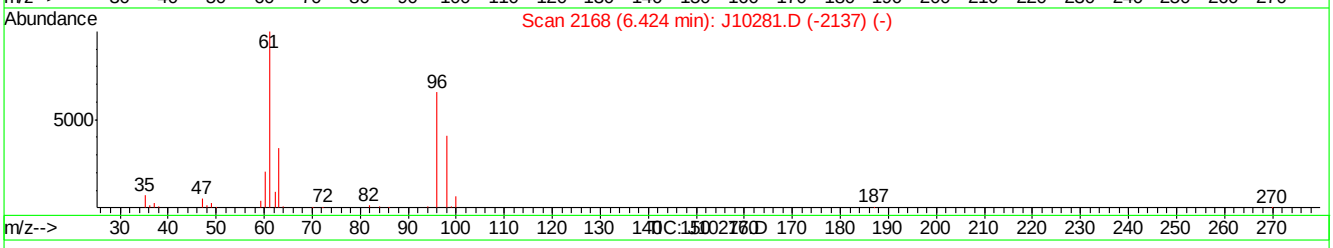
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.19PPBV m

response 5906

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	165.71
63.00	52.40	36.15
0.00	0.00	0.00

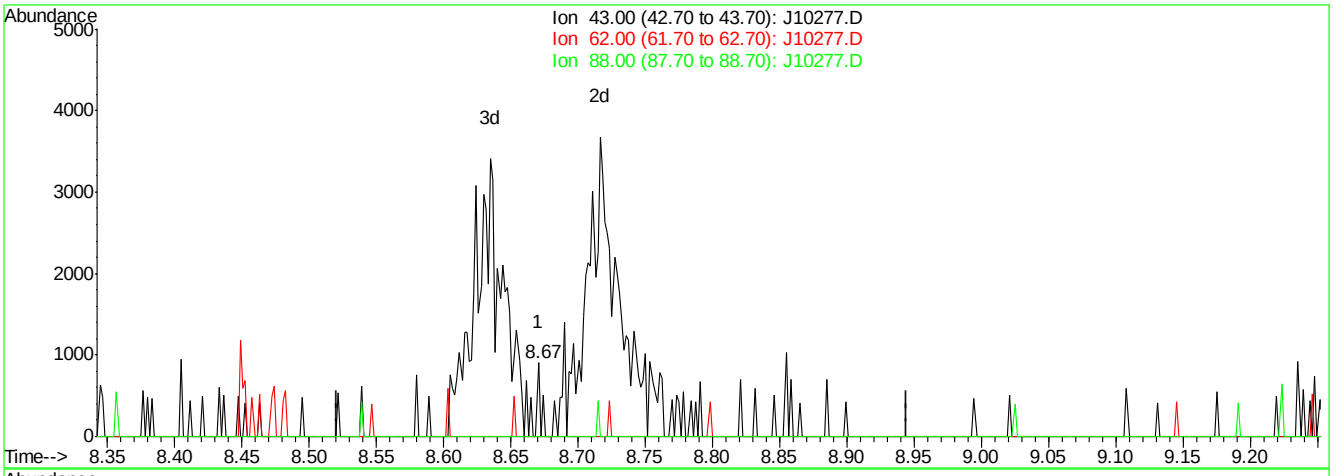
J10277.D J050907T.M Thu May 10 08:36:54 2007

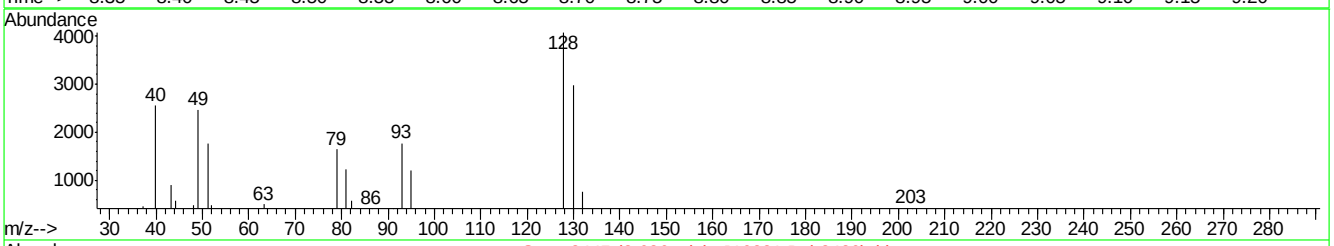
Quantitation Report (Qedit)

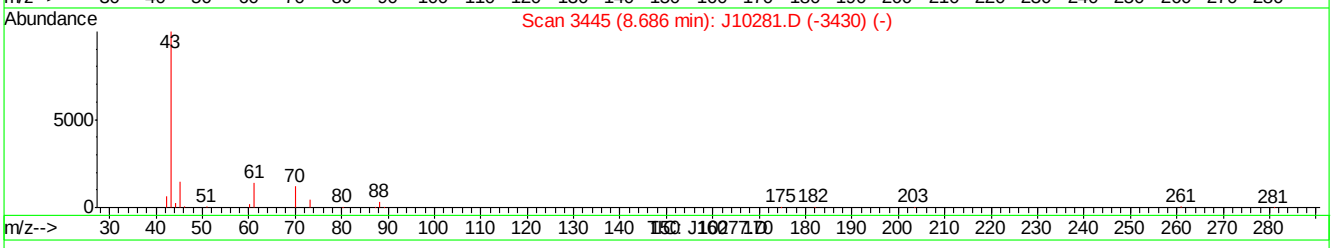
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(30) ETHYL ACETATE (m)

8.67min 0.00PPBV

response 151

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	34.44#
88.00	4.70	0.00
0.00	0.00	0.00

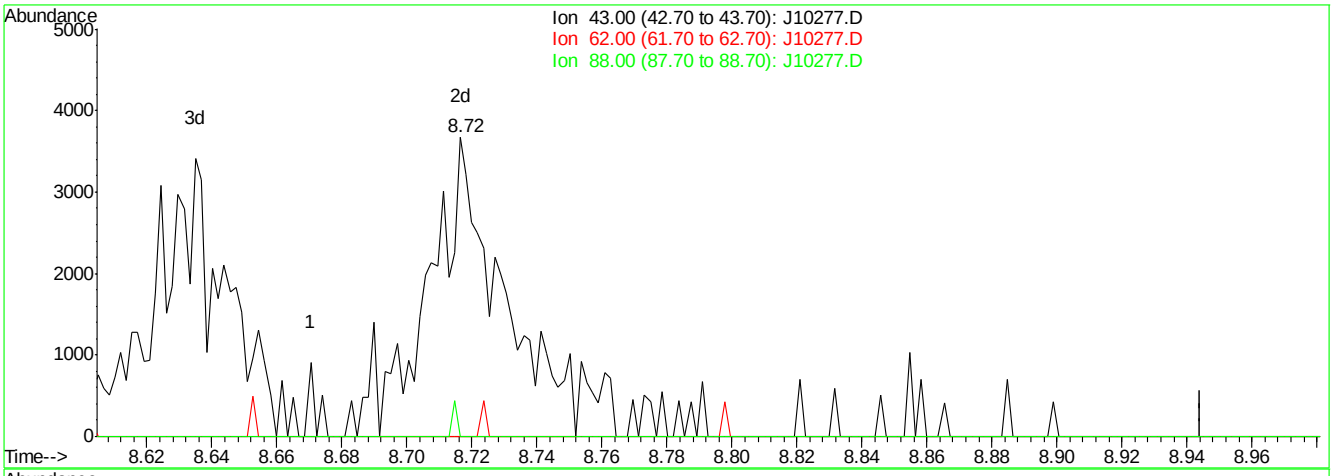
J10277.D J050907T.M Thu May 10 08:37:49 2007

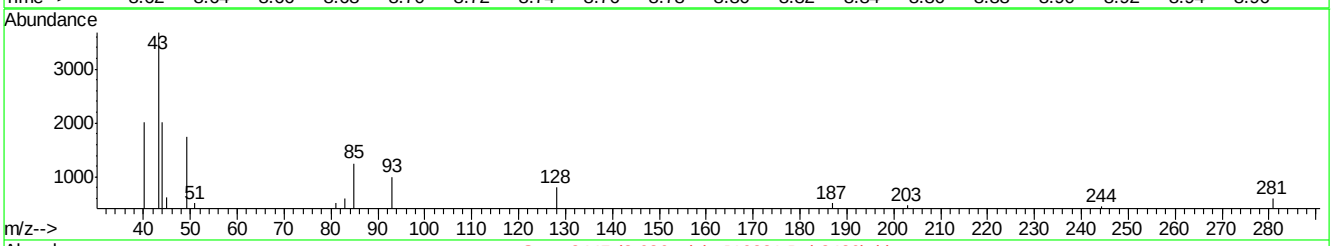
Quantitation Report (Qedit)

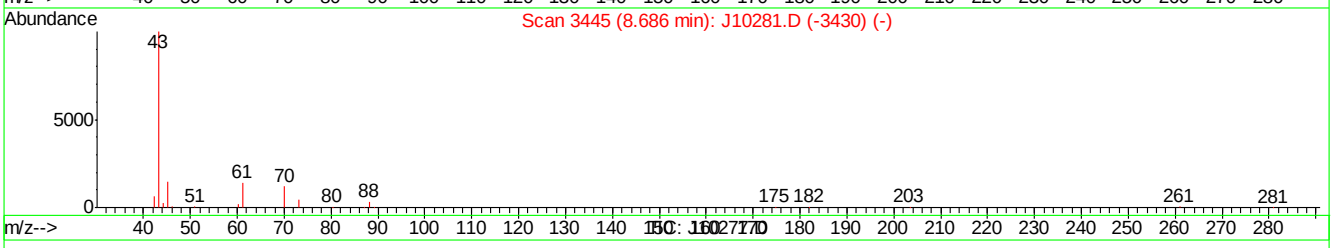
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(30) ETHYL ACETATE (m)

8.72min 0.16PPBV m

response 5570

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	0.93
88.00	4.70	0.00
0.00	0.00	0.00

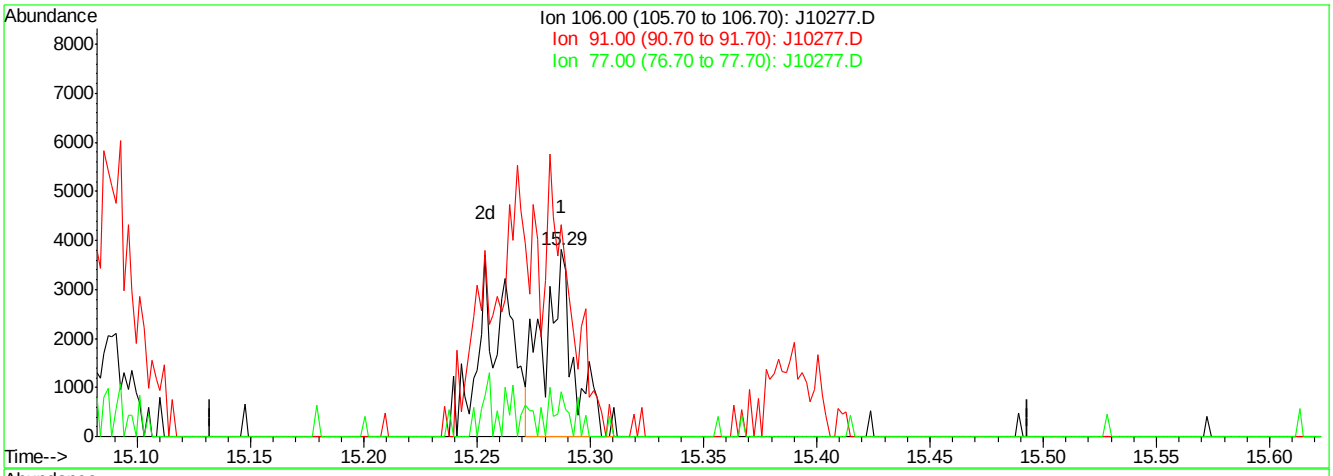
J10277.D J050907T.M Thu May 10 08:38:02 2007

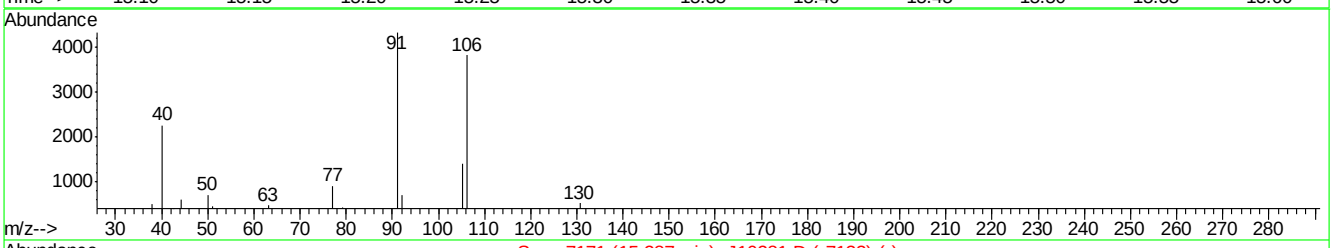
Quantitation Report (Qedit)

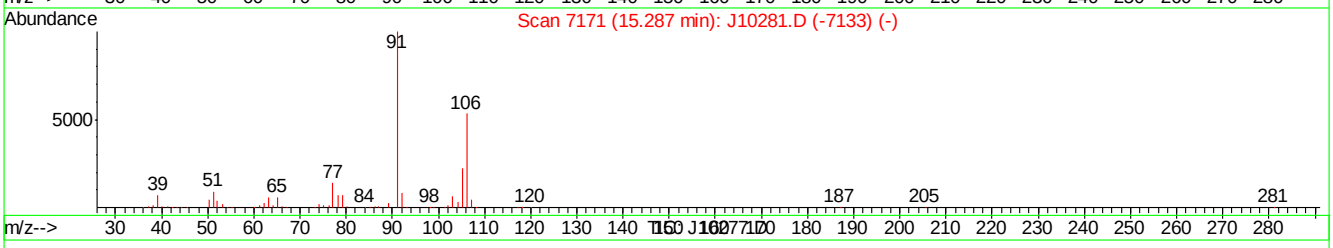
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.10PPBV

response 3552

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

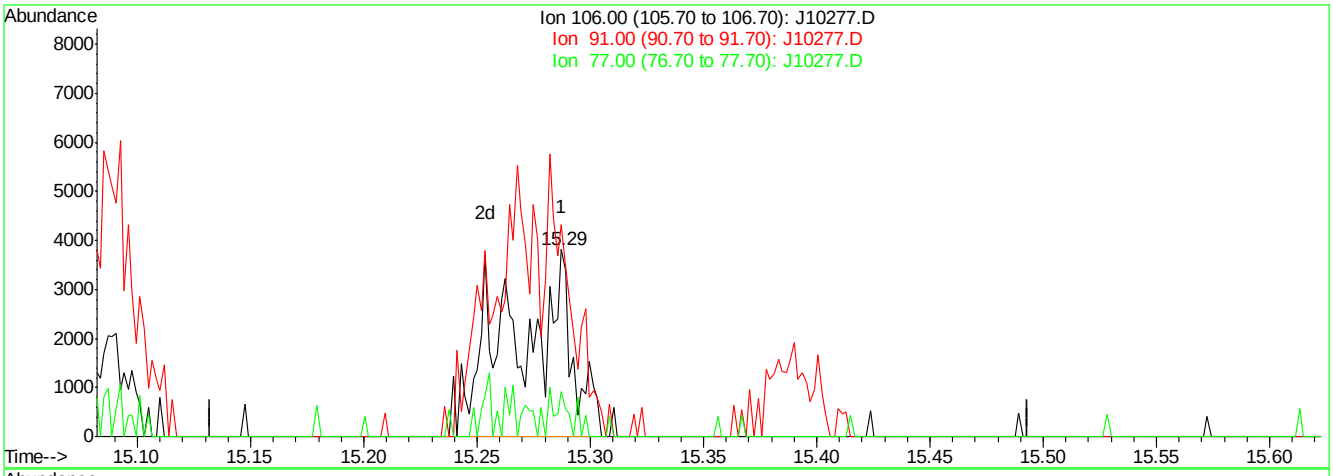
J10277.D J050907T.M Thu May 10 08:39:14 2007

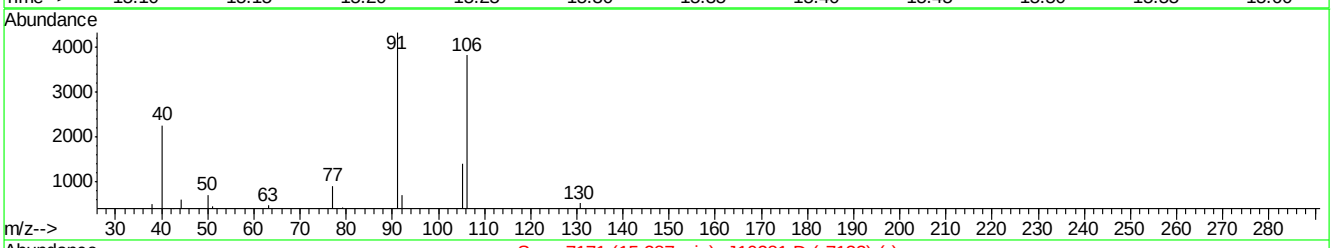
Quantitation Report (Qedit)

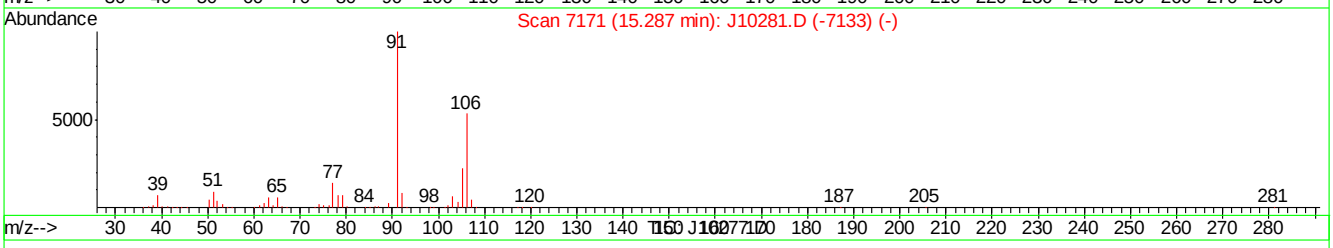
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.18PPBV m

response 6881

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

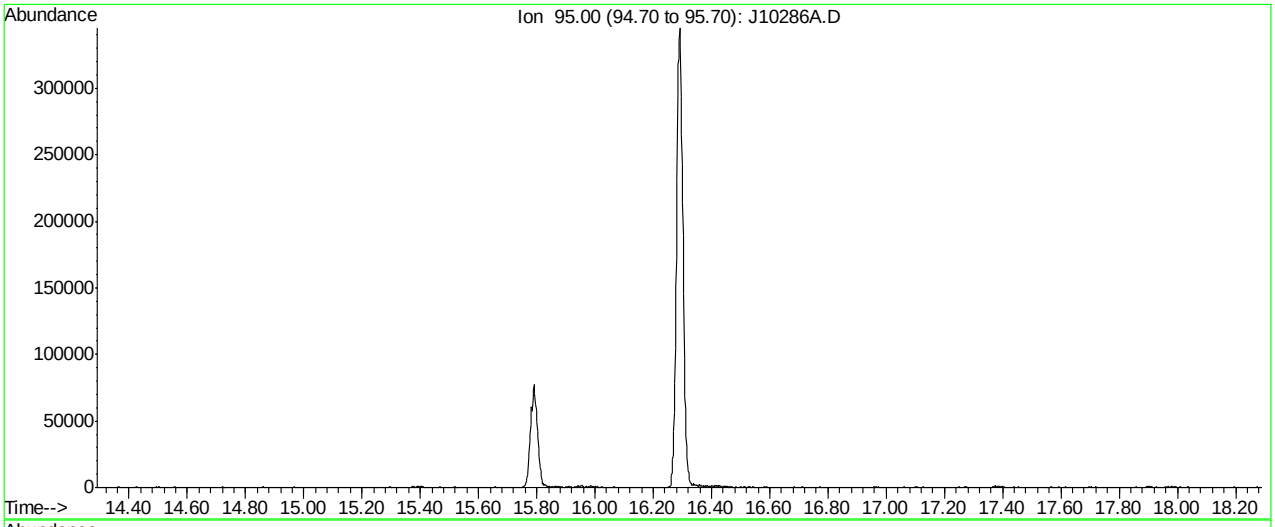
J10277.D J050907T.M Thu May 10 08:39:20 2007

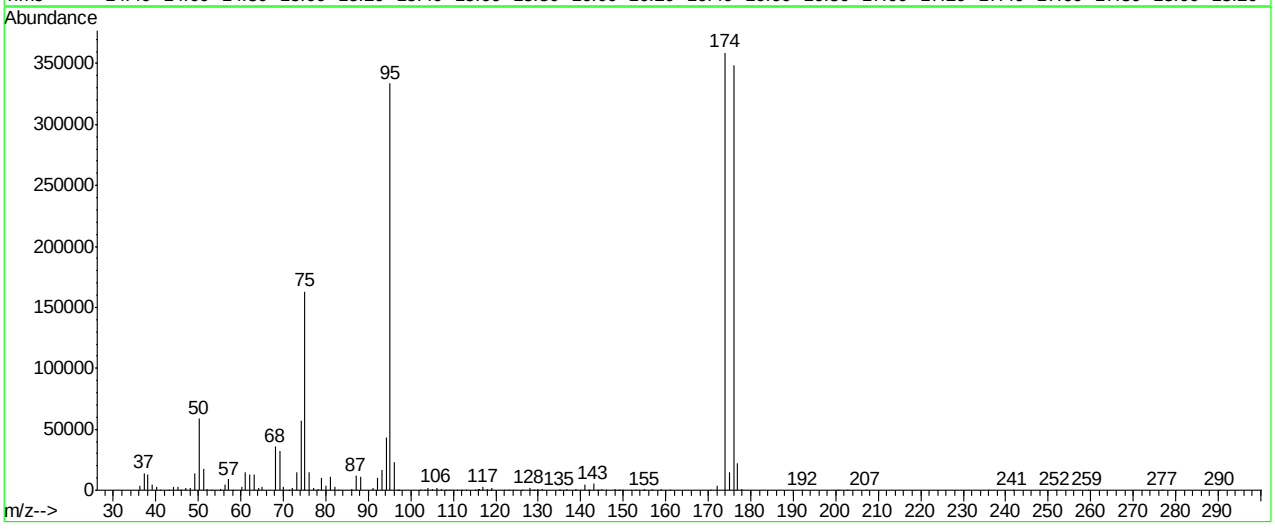
BFB

Data File : C:\MSDChem\1\data\J10286A.D
Acq On : 10 May 2007 10:33 am
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J050907T.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 16.293 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.6	58752	PASS
75	95	30	66	48.9	163184	PASS
95	95	100	100	100.0	333840	PASS
96	95	5	9	6.9	23018	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	107.6	359152	PASS
175	174	4	9	4.2	15166	PASS
176	174	93	101	97.1	348720	PASS
177	176	5	9	6.2	21654	PASS

J10286A.D J050907T.M Thu May 10 14:38:50 2007

Average of 16.288 to 16.293 min.: J10286A.D
ICV533-10 (M054)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	3491	47.15	2284	60.15	3179	73.15	15163
37.15	13954	48.15	2073	61.10	14780	74.15	57210
38.15	12524	49.20	13885	62.15	13302	75.10	163184
39.10	4889	50.15	58752	63.15	12600	76.10	15193
40.05	2916	51.15	17862	64.15	1730	77.05	1904
41.00	170	52.10	1231	65.10	2439	78.15	1231
43.20	112	53.15	211	68.10	35584	79.00	9849
44.10	3082	55.10	1094	69.10	31824	80.05	3326
45.15	2603	56.15	5036	70.05	2813	81.05	11335
45.80	108	57.15	9032	71.20	116	82.00	2878
46.05	279	58.10	164	72.20	2264	83.00	124

Average of 16.288 to 16.293 min.: J10286A.D
ICV533-10 (M054)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	649	102.10	100	113.10	146	126.10	190
87.05	11920	103.30	276	115.00	134	127.95	1534
88.10	11211	104.00	1596	115.90	800	128.80	136
91.05	1552	105.05	681	116.05	863	128.95	486
92.10	10183	106.00	1918	117.00	2454	129.95	1221
93.10	16963	107.05	547	117.95	1349	131.00	751
94.15	43468	108.20	137	118.70	187	134.85	468
95.10	333840	109.00	109	118.95	1608	135.10	215
96.10	23018	109.90	117	122.00	180	136.85	563
97.00	147	111.00	126	122.90	103	138.95	501
97.20	162	112.05	266	124.00	127	140.00	105

Average of 16.288 to 16.293 min.: J10286A.D
ICV533-10 (M054)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.00	4418	150.05	366	174.00	359152	251.75	314
141.80	323	151.75	293	175.10	15166	259.40	141
142.00	322	152.95	309	176.00	348720	276.90	116
143.00	5192	153.70	118	176.95	21654	290.30	157
143.90	103	154.80	146	177.90	794		
144.10	281	155.00	675	192.20	187		
144.95	865	156.85	604	200.70	102		
145.85	299	158.90	528	202.80	105		
147.95	1139	160.95	470	207.10	273		
148.80	246	170.40	107	235.80	124		
149.10	101	171.95	3601	241.60	135		

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/06/07 12:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9928.D
Acq On : 5 Apr 2007 12:13 pm
Operator : PhilipB
Sample : IC513-10 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 13:47:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:44:07 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	510561	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1233742	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1022893	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	339529	4.39	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 87.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1127352	10.27	PPBV	98
3) PROPYLENE	3.99	41	182846	10.98	PPBV	96
4) FREON 114	4.32	85	925633	9.63	PPBV	94
5) CHLOROMETHANE	4.23	50	236047	10.66	PPBV	96
6) VINYL CHLORIDE	4.45	62	265221	10.27	PPBV	97
7) 1,3-BUTADIENE	4.58	39	241597	10.64	PPBV	89
8) BROMOMETHANE	4.86	94	291235	9.97	PPBV	99
9) CHLOROETHANE	5.03	64	115115	9.82	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.80	101	1236930	10.00	PPBV	100
11) ISOPROPYL ALCOHOL	5.91	45	352223	9.15	PPBV	86
12) ACETONE	5.65	43	357651	9.38	PPBV	92
13) PENTANE	6.14	42	261934	10.42	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.43	96	294516	9.62	PPBV	93
15) CARBON DISULFIDE	6.85	76	906752	10.19	PPBV	95
16) ETHANOL	5.18	45	57892m	9.58	PPBV	
17) BROMOETHENE	5.38	106	287667	9.54	PPBV #	97
18) METHYLENE CHLORIDE	6.55	84	271770	9.46	PPBV	94
19) 3-CHLOROPROPENE	6.66	39	275966	9.25	PPBV	90
20) FREON 113	6.79	151	654835	8.57	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	327235	9.42	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.52	59	489163	8.88	PPBV	77
23) METHYL TERTIARY BUTYL ETHE	7.73	73	677506	8.90	PPBV	95
24) TETRAHYDROFURAN	9.18	42	191116	8.81	PPBV	90
25) HEXANE	8.64	57	379457	9.59	PPBV	92
26) VINYL ACETATE	7.80	43	418189	8.57	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	554145	9.39	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	416901	9.38	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.46	96	351619	8.99	PPBV	98
30) ETHYL ACETATE	8.69	43	451331	9.27	PPBV	99
31) CHLOROFORM	8.74	83	950207	9.70	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	748029	8.27	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	945783	8.28	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	383726	8.85	PPBV	99
36) BENZENE	10.12	78	547241	8.31	PPBV	97
37) CYCLOHEXANE	10.37	84	267571	8.85	PPBV	94
38) TRICHLOROETHYLENE	11.12	95	322994	6.81	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	191532	8.09	PPBV	96
40) BROMODICHLOROMETHANE	11.09	83	593609	7.28	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1041955	7.79	PPBV	98
42) 1,4-DIOXANE	11.17	88	91552	7.80	PPBV	95
43) HEPTANE	11.36	43	333224	8.43	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9928.D
Acq On : 5 Apr 2007 12:13 pm
Operator : PhilipB
Sample : IC513-10 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 13:47:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:44:07 2007
Response via : Initial Calibration

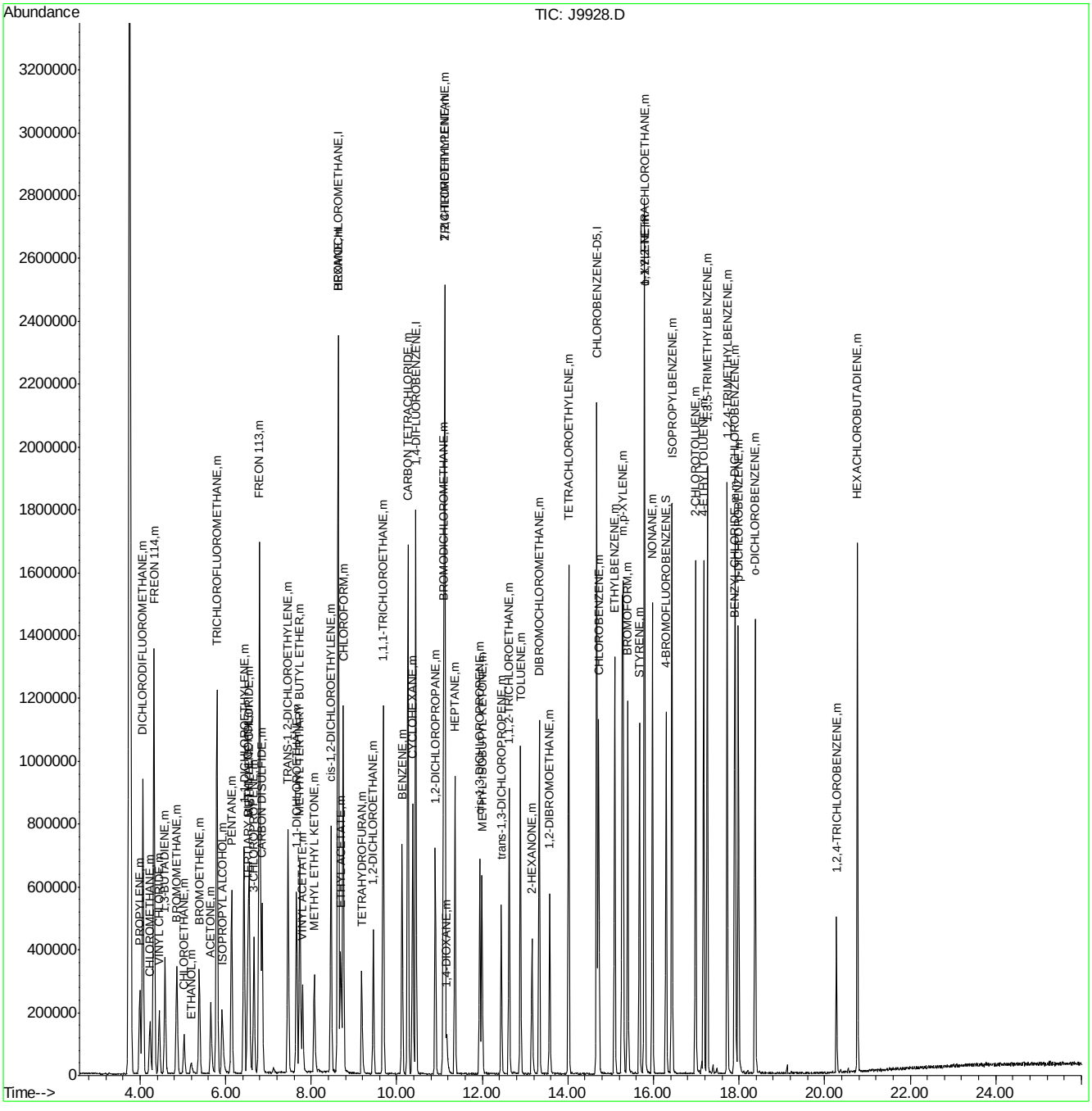
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	440292	8.34	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.94	75	298861	8.12	PPBV	88
46) TOLUENE	12.89	92	370229	6.99	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	241921	7.53	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.63	83	206130	7.72	PPBV	100
50) 2-HEXANONE	13.16	43	340908	7.77	PPBV	89
51) TETRACHLOROETHYLENE	14.02	164	272571	5.28	PPBV	95
52) DIBROMOCHLOROMETHANE	13.33	129	549053	6.73	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	361083	6.97	PPBV	99
54) CHLOROBENZENE	14.72	112	520646	7.27	PPBV	97
55) ETHYLBENZENE	15.09	91	866876	6.95	PPBV	97
56) m,p-XYLENE	15.29	106	689985m	12.37	PPBV	
57) o-XYLENE	15.79	106	386877	6.05	PPBV	92
58) STYRENE	15.67	104	466157	6.35	PPBV	98
59) NONANE	15.97	43	517725	8.20	PPBV	95
60) BROMOFORM	15.40	173	501544	5.72	PPBV #	28
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	620994	6.72	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1138755	6.25	PPBV	98
64) 2-CHLOROTOLUENE	16.98	91	796160	6.22	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	920861	5.68	PPBV	75
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	929011	5.72	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	869902	5.53	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	546806	4.96	PPBV	99
69) BENZYL CHLORIDE	17.89	91	473974	5.56	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	496525	5.13	PPBV	94
71) o-DICHLOROBENZENE	18.37	146	488306	4.85	PPBV	97
72) HEXACHLOROBUTADIENE	20.77	225	201194	3.39	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	99716	4.47	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9928.D
Acq On : 5 Apr 2007 12:13 pm
Operator : PhilipB
Sample : IC513-10 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 13:47:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:44:07 2007
Response via : Initial Calibration

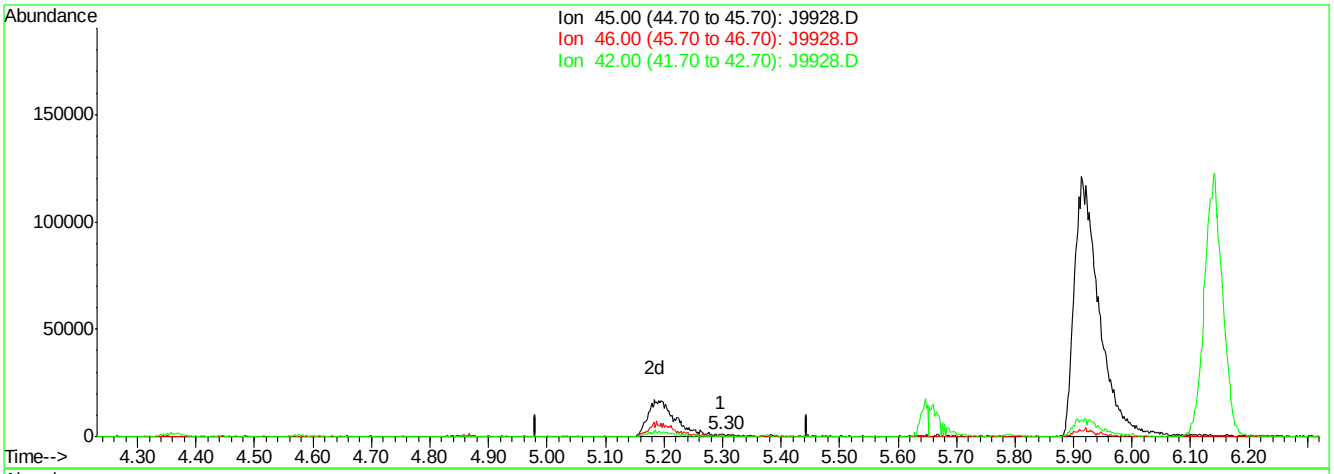


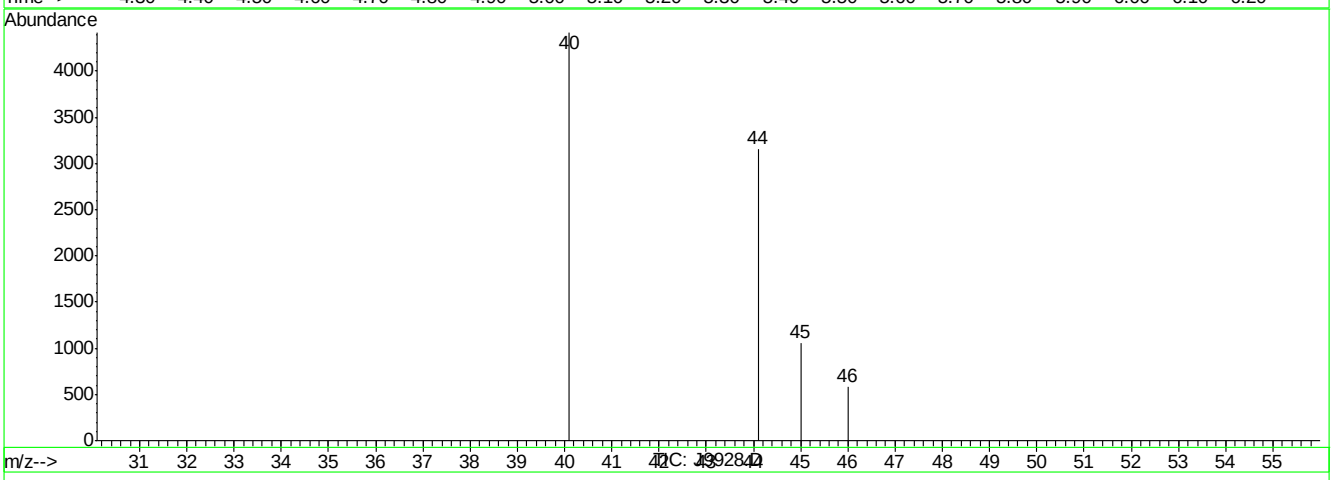
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.30min 0.23PPBV

response 1403

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	29.37
42.00	1.50	7.20
0.00	0.00	0.00

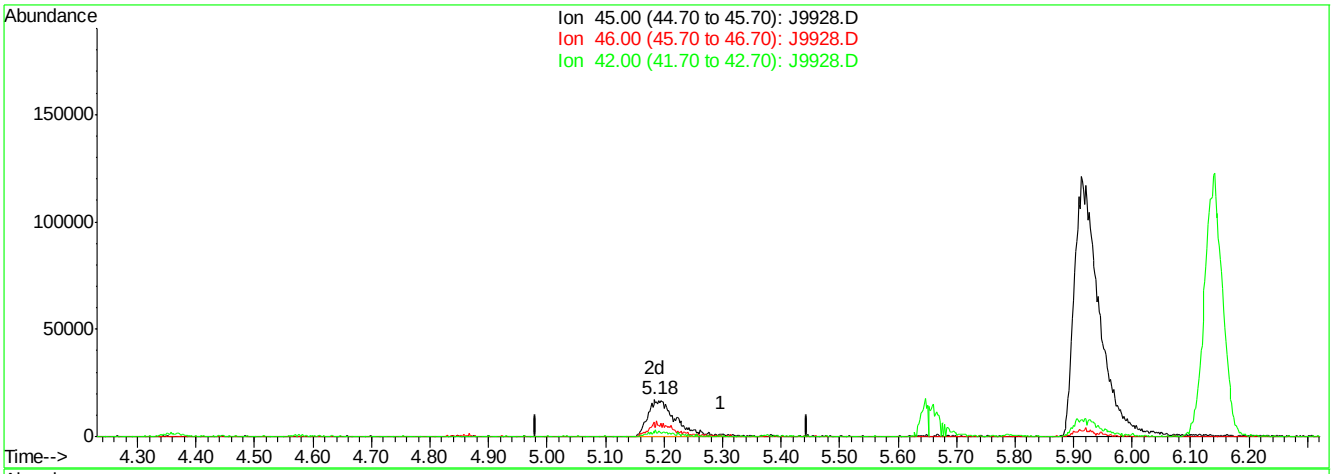
J9928.D J040407T.M Thu Apr 05 13:47:05 2007

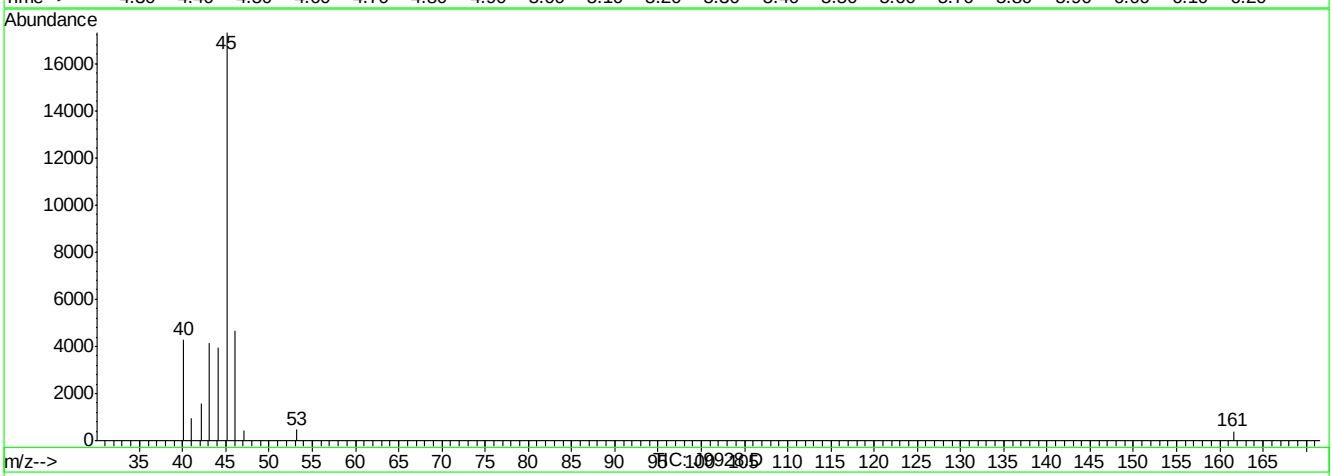
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.18min 9.58PPBV m

response 57892

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	0.71#
42.00	1.50	0.17
0.00	0.00	0.00

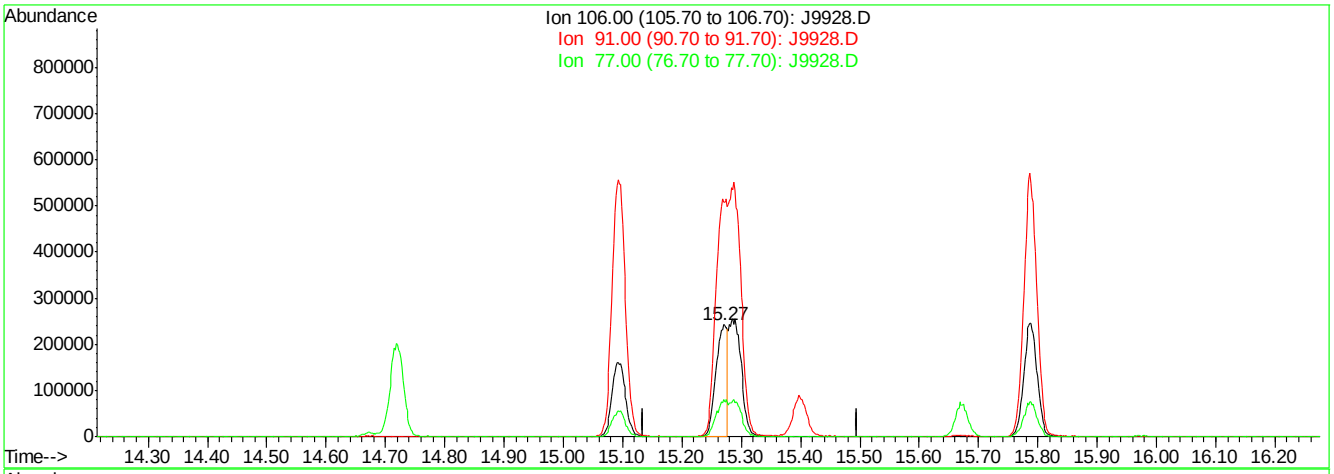
J9928.D J040407T.M Thu Apr 05 13:47:09 2007

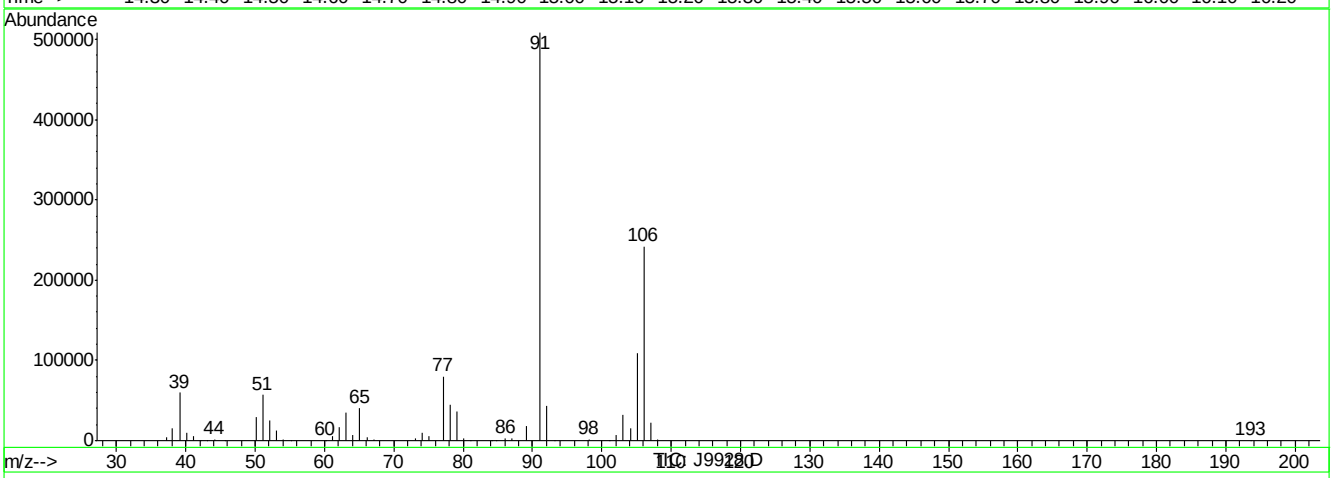
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.27min 5.76PPBV

response 321323

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	209.80
77.00	27.10	33.06#
0.00	0.00	0.00

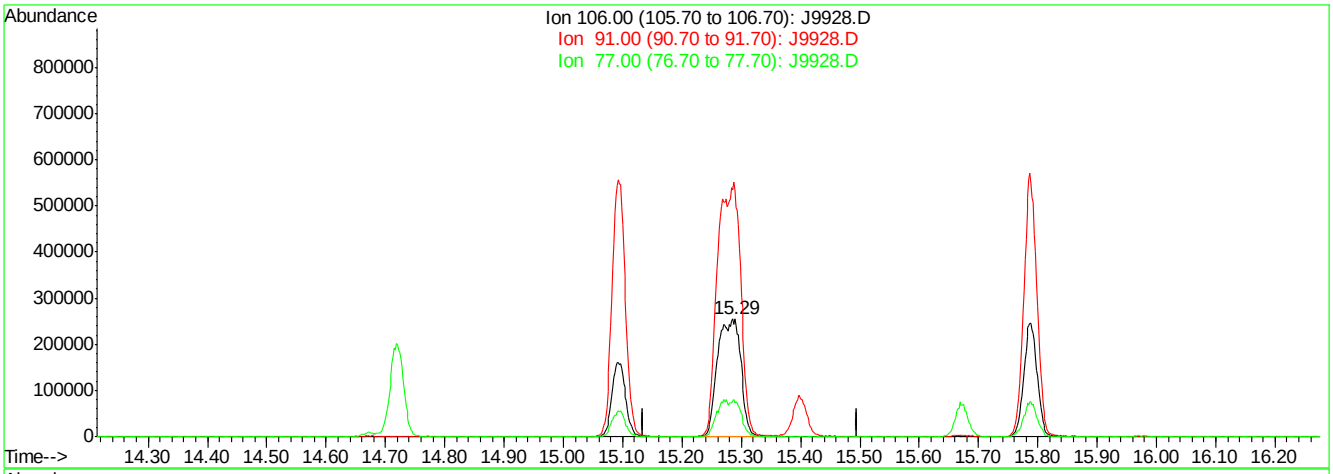
J9928.D J040407T.M Thu Apr 05 13:47:33 2007

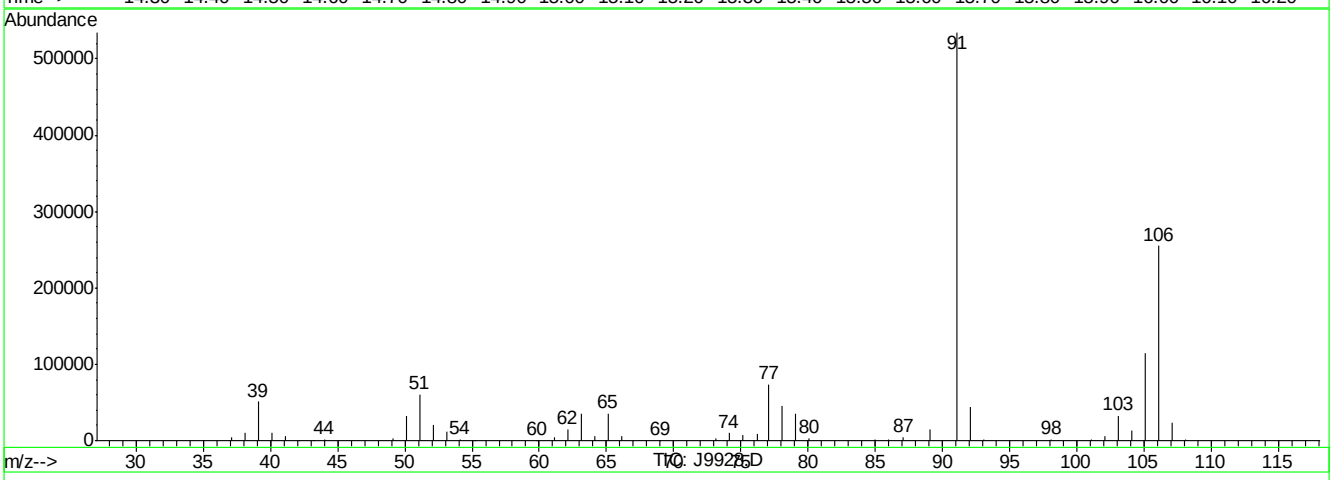
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9928.D Vial: 2
Acq On : 5 Apr 2007 12:13 pm Operator: PhilipB
Sample : IC513-10 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:46:48 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:44:07 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.29min 12.37PPBV m

response 689985

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	209.43
77.00	27.10	28.84
0.00	0.00	0.00

J9928.D J040407T.M Thu Apr 05 13:47:37 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/06/07 12:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9929.D
Acq On : 5 Apr 2007 12:58 pm
Operator : PhilipB
Sample : IC513-40 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 17:22:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:48:01 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	590664	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1403833	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1176391	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.31	95	445112	5.33	PPBV	0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	5082053	39.48	PPBV	99
3) PROPYLENE	4.00	41	770302	38.12	PPBV	92
4) FREON 114	4.33	85	4446035	40.75	PPBV	98
5) CHLOROMETHANE	4.23	50	1025007	38.73	PPBV	96
6) VINYL CHLORIDE	4.45	62	1194803	39.46	PPBV	97
7) 1,3-BUTADIENE	4.58	39	1050782	38.76	PPBV	90
8) BROMOMETHANE	4.86	94	1352090	40.06	PPBV	99
9) CHLOROETHANE	5.03	64	542729	40.37	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.80	101	5721808	39.99	PPBV	99
11) ISOPROPYL ALCOHOL	5.95	45	1781597	41.78	PPBV	91
12) ACETONE	5.65	43	1765124	41.29	PPBV	94
13) PENTANE	6.14	42	1162765	39.17	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.43	96	1416200	40.77	PPBV	98
15) CARBON DISULFIDE	6.85	76	4119462	39.63	PPBV	99
16) ETHANOL	5.20	45	288725m	42.19	PPBV	
17) BROMOETHENE	5.39	106	1395636	40.95	PPBV #	98
18) METHYLENE CHLORIDE	6.55	84	1329682	41.11	PPBV	99
19) 3-CHLOROPROPENE	6.67	39	1380742	41.56	PPBV	94
20) FREON 113	6.79	151	3536394	43.08	PPBV	93
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1607568	41.19	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.55	59	2549700	42.38	PPBV	83
23) METHYL TERTIARY BUTYL ETHE	7.74	73	3523700	42.33	PPBV	97
24) TETRAHYDROFURAN	9.18	42	1003487	42.52	PPBV	92
25) HEXANE	8.64	57	1830145	40.83	PPBV	96
26) VINYL ACETATE	7.81	43	2258044	43.08	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	2731664	41.26	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	2056199	41.27	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.47	96	1810531	42.13	PPBV	96
30) ETHYL ACETATE	8.70	43	2252470	41.51	PPBV	100
31) CHLOROFORM	8.76	83	4533012	40.61	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.69	97	4185423	43.79	PPBV	100
33) CARBON TETRACHLORIDE	10.27	117	5288337	43.77	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	2005333	42.43	PPBV	99
36) BENZENE	10.13	78	2996417	43.69	PPBV	97
37) CYCLOHEXANE	10.38	84	1375474	42.43	PPBV	100
38) TRICHLOROETHYLENE	11.13	95	2157233	47.58	PPBV	90
39) 1,2-DICHLOROPROPANE	10.91	63	1076905	44.21	PPBV	95
40) BROMODICHLOROMETHANE	11.11	83	3710531	46.29	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	6085035	44.96	PPBV	98
42) 1,4-DIOXANE	11.17	88	534350	44.95	PPBV	95
43) HEPTANE	11.37	43	1799498	43.41	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9929.D
Acq On : 5 Apr 2007 12:58 pm
Operator : PhilipB
Sample : IC513-40 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 17:22:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:48:01 2007
Response via : Initial Calibration

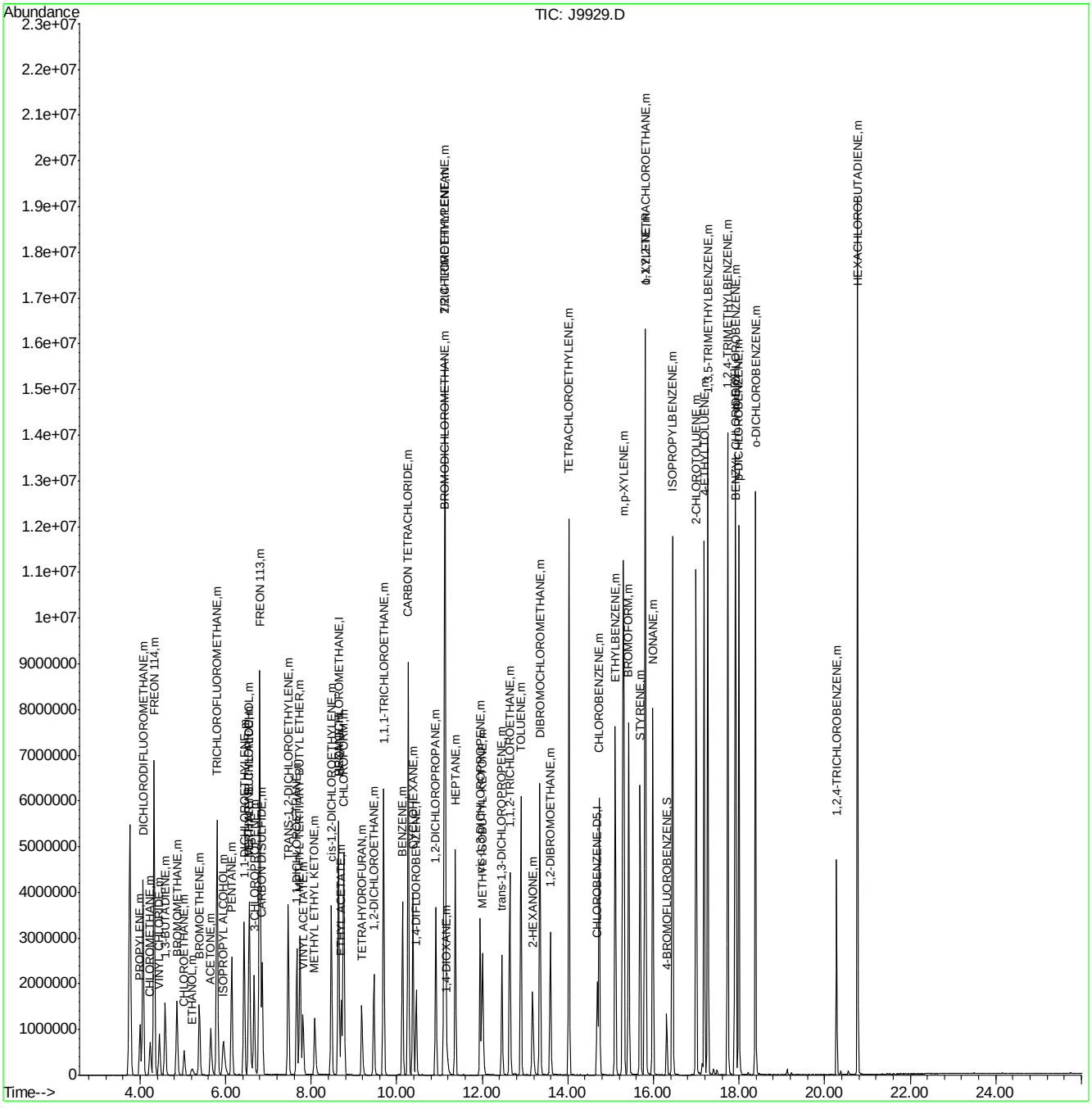
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	2403351	43.62 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.95	75	1676101	44.16 PPBV	89
46) TOLUENE	12.90	92	2410137	47.08 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.46	75	1461379	45.62 PPBV	90
48) 1,1,2-TRICHLOROETHANE	12.64	83	1215641	45.15 PPBV	98
50) 2-HEXANONE	13.17	43	2019419	45.03 PPBV	92
51) TETRACHLOROETHYLENE	14.02	164	2374251	52.35 PPBV	98
52) DIBROMOCHLOROMETHANE	13.34	129	3755491	47.83 PPBV	99
53) 1,2-DIBROMOETHANE	13.59	107	2384552	47.15 PPBV	97
54) CHLOROBENZENE	14.73	112	3294199	46.32 PPBV	99
55) ETHYLBENZENE	15.11	91	5737144	47.20 PPBV	99
56) m,p-XYLENE	15.30	106	5133031	98.87 PPBV	94
57) o-XYLENE	15.80	106	2943657	49.86 PPBV	100
58) STYRENE	15.69	104	3376724	48.93 PPBV	100
59) NONANE	15.99	43	2902918	43.95 PPBV	98
60) BROMOFORM	15.42	173	4036210	50.90 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	4248311	47.83 PPBV	99
63) ISOPROPYLBENZENE	16.44	105	8384819	49.24 PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	5890638	49.33 PPBV	96
65) 4-ETHYLTOLUENE	17.18	105	7465356m	51.07 PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	7476685	50.90 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	7239573	51.52 PPBV	96
68) m-DICHLOROBENZENE	17.92	146	5068381	53.47 PPBV	97
69) BENZYL CHLORIDE	17.90	91	3918408	51.40 PPBV	96
70) p-DICHLOROBENZENE	18.00	146	4448719	52.86 PPBV	97
71) o-DICHLOROBENZENE	18.38	146	4632512	53.88 PPBV	98
72) HEXACHLOROBUTADIENE	20.77	225	2726591	59.73 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	1027260	55.30 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9929.D
Acq On : 5 Apr 2007 12:58 pm
Operator : PhilipB
Sample : IC513-40 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 17:22:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:48:01 2007
Response via : Initial Calibration

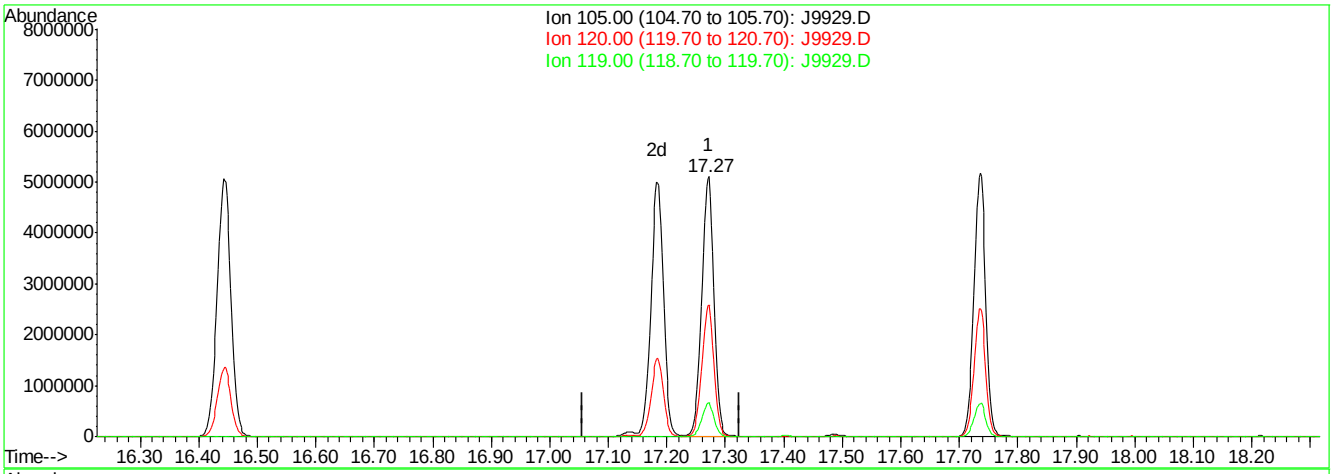


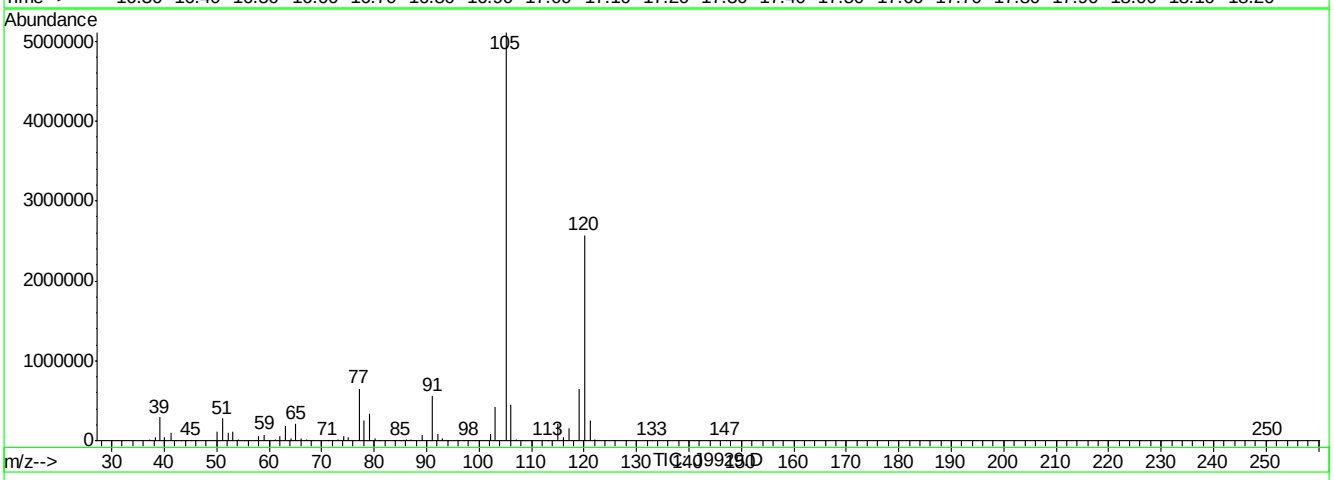
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9929.D Vial: 2
Acq On : 5 Apr 2007 12:58 pm Operator: PhilipB
Sample : IC513-40 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:42:56 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:42:51 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.27min 84.93PPBV

response 7426589

Ion	Exp%	Act%
105.00	100	100
120.00	44.20	50.17
119.00	11.40	12.89
0.00	0.00	0.00

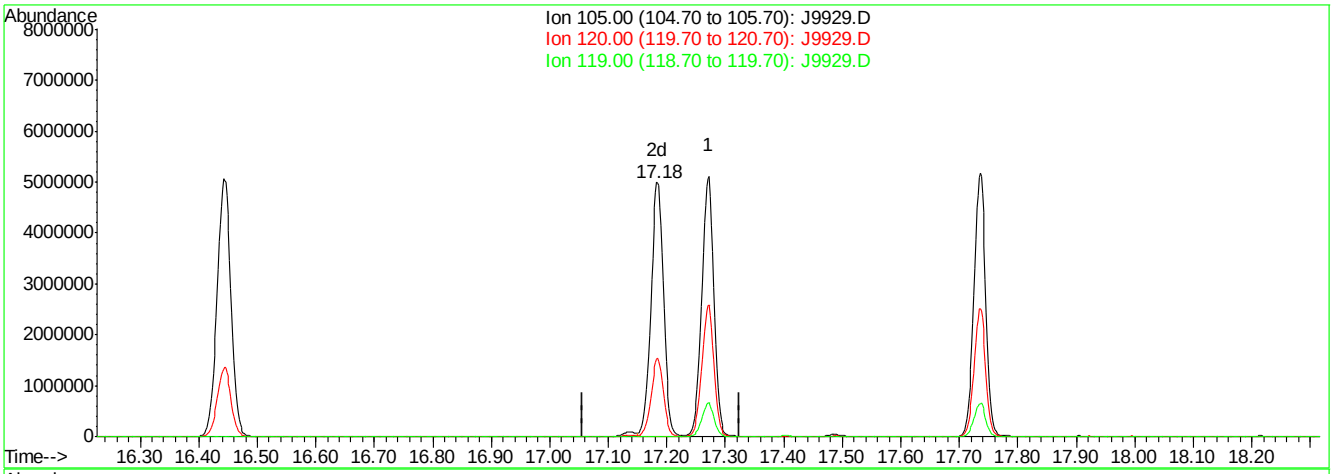
J9929.D J040407T.M Thu Apr 05 13:43:37 2007

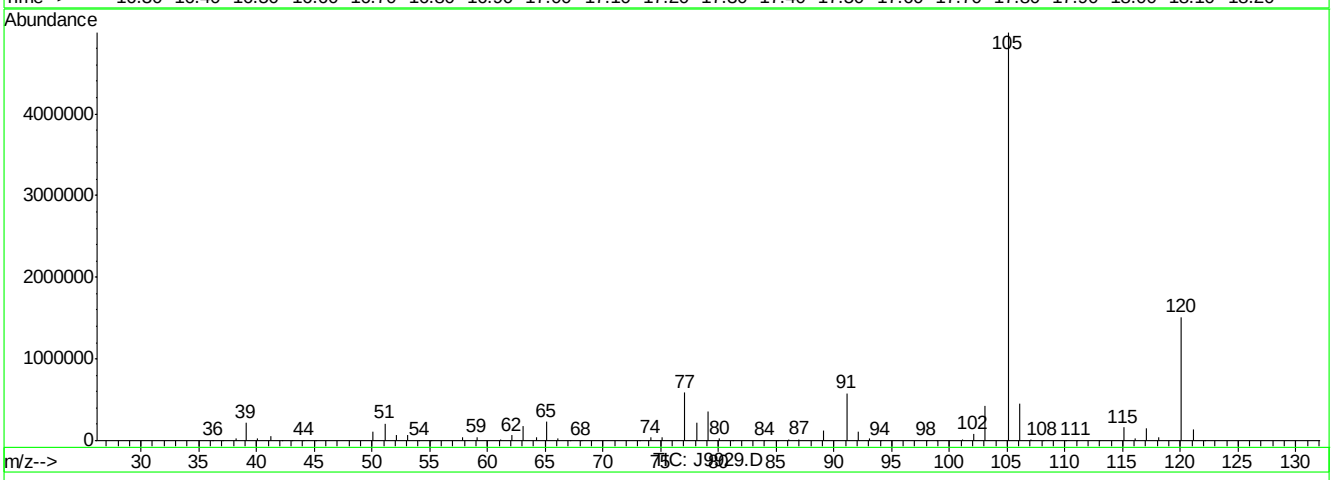
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9929.D Vial: 2
Acq On : 5 Apr 2007 12:58 pm Operator: PhilipB
Sample : IC513-40 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 13:42:56 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 13:42:51 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.18min 85.30PPBV m

response 7458847

Ion	Exp%	Act%
105.00	100	100
120.00	44.20	49.96
119.00	11.40	12.83
0.00	0.00	0.00

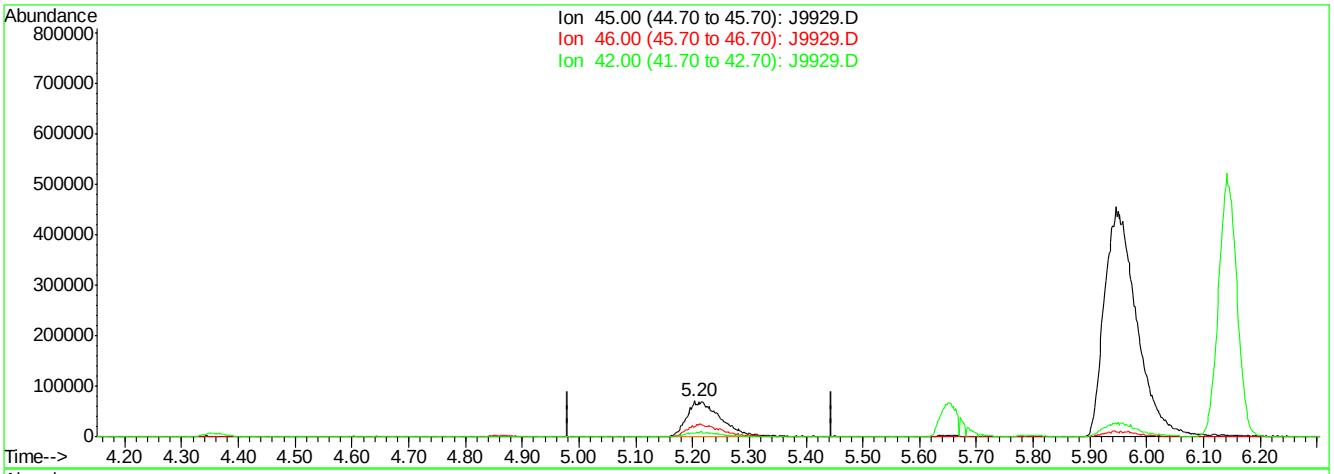
J9929.D J040407T.M Thu Apr 05 13:43:45 2007

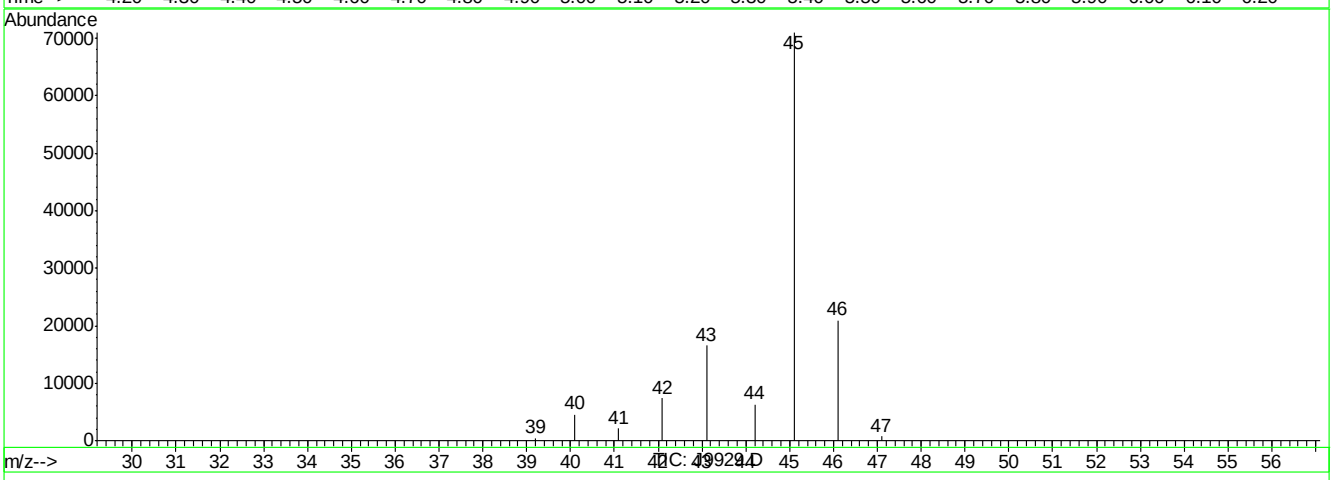
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9929.D Vial: 2
Acq On : 5 Apr 2007 12:58 pm Operator: PhilipB
Sample : IC513-40 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 14:43:33 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:21:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.20min 40.85PPBV

response 279528

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	17.32
42.00	1.50	11.81
0.00	0.00	0.00

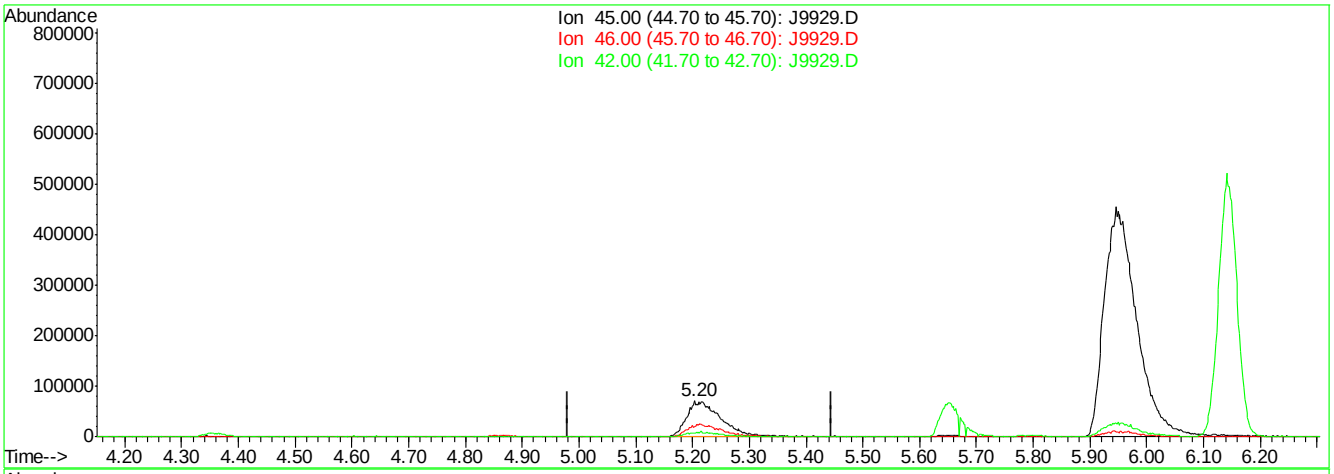
J9929.D J040507T.M Thu Apr 05 17:22:23 2007

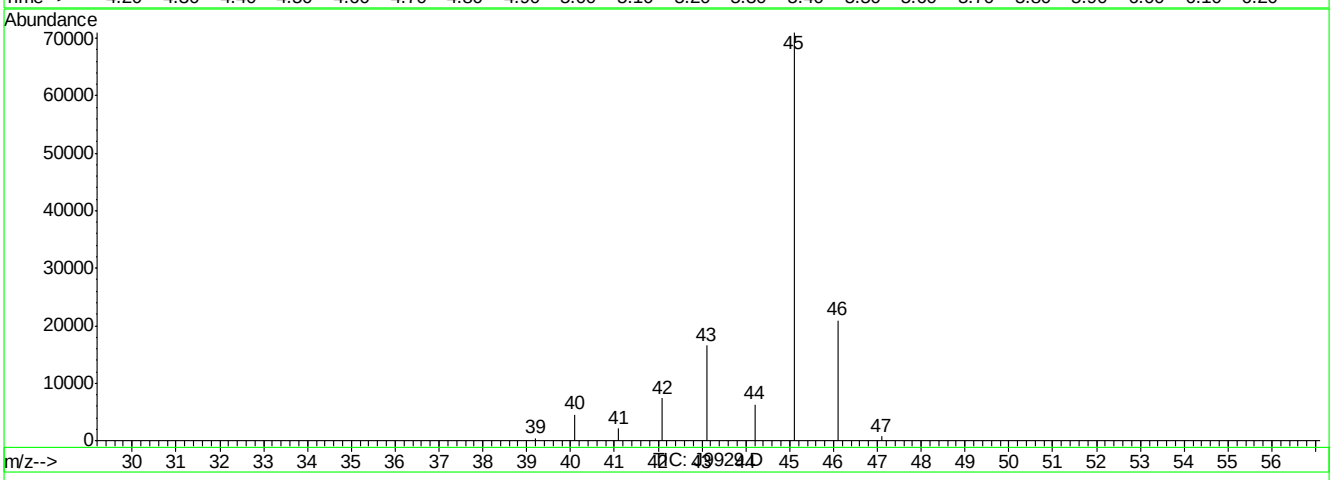
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9929.D Vial: 2
Acq On : 5 Apr 2007 12:58 pm Operator: PhilipB
Sample : IC513-40 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 14:43:33 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:21:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.20min 42.19PPBV m

response 288725

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	16.77
42.00	1.50	11.43
0.00	0.00	0.00

J9929.D J040507T.M Thu Apr 05 17:22:28 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9930.D
Acq On : 5 Apr 2007 1:44 pm
Operator : PhilipB
Sample : IC513-20 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 14:44:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:48:01 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	565791	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1377948	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1129644	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	403790	5.03	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 100.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	2545431	20.64	PPBV	99
3) PROPYLENE	3.99	41	406343	20.99	PPBV	94
4) FREON 114	4.32	85	2206387	21.11	PPBV	96
5) CHLOROMETHANE	4.23	50	547480	21.60	PPBV	97
6) VINYL CHLORIDE	4.45	62	622520	21.46	PPBV	94
7) 1,3-BUTADIENE	4.59	39	536504	20.66	PPBV	92
8) BROMOMETHANE	4.85	94	685530	21.21	PPBV	98
9) CHLOROETHANE	5.03	64	289237	22.46	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.80	101	2774607	20.25	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	926642	22.68	PPBV	95
12) ACETONE	5.64	43	901531	22.01	PPBV	94
13) PENTANE	6.14	42	596743	20.99	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.43	96	701184	21.07	PPBV	98
15) CARBON DISULFIDE	6.85	76	2051755	20.61	PPBV	98
16) ETHANOL	5.19	45	147274	22.47	PPBV	98
17) BROMOETHENE	5.39	106	693615	21.24	PPBV #	98
18) METHYLENE CHLORIDE	6.55	84	647256	20.89	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	646598	20.32	PPBV	94
20) FREON 113	6.79	151	1602461	20.38	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	773182	20.68	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.53	59	1283760	22.27	PPBV	82
23) METHYL TERTIARY BUTYL ETHE	7.73	73	1726792	21.66	PPBV	97
24) TETRAHYDROFURAN	9.18	42	490177	21.68	PPBV	92
25) HEXANE	8.64	57	865448	20.16	PPBV	94
26) VINYL ACETATE	7.80	43	1086700	21.64	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	1317968	20.78	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	1025862	21.50	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	851768	20.69	PPBV	96
30) ETHYL ACETATE	8.69	43	1114738	21.45	PPBV	100
31) CHLOROFORM	8.75	83	2164981	20.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	1819873	19.88	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	2290906	19.80	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	946323	20.90	PPBV	98
36) BENZENE	10.13	78	1366471	20.30	PPBV	97
37) CYCLOHEXANE	10.38	84	640935	20.14	PPBV	96
38) TRICHLOROETHYLENE	11.12	95	869054	19.53	PPBV	96
39) 1,2-DICHLOROPROPANE	10.90	63	481882	20.15	PPBV	97
40) BROMODICHLOROMETHANE	11.10	83	1588291	20.19	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	2624512	19.76	PPBV	99
42) 1,4-DIOXANE	11.17	88	257021	22.03	PPBV	97
43) HEPTANE	11.36	43	823279	20.23	PPBV	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9930.D
Acq On : 5 Apr 2007 1:44 pm
Operator : PhilipB
Sample : IC513-20 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 14:44:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:48:01 2007
Response via : Initial Calibration

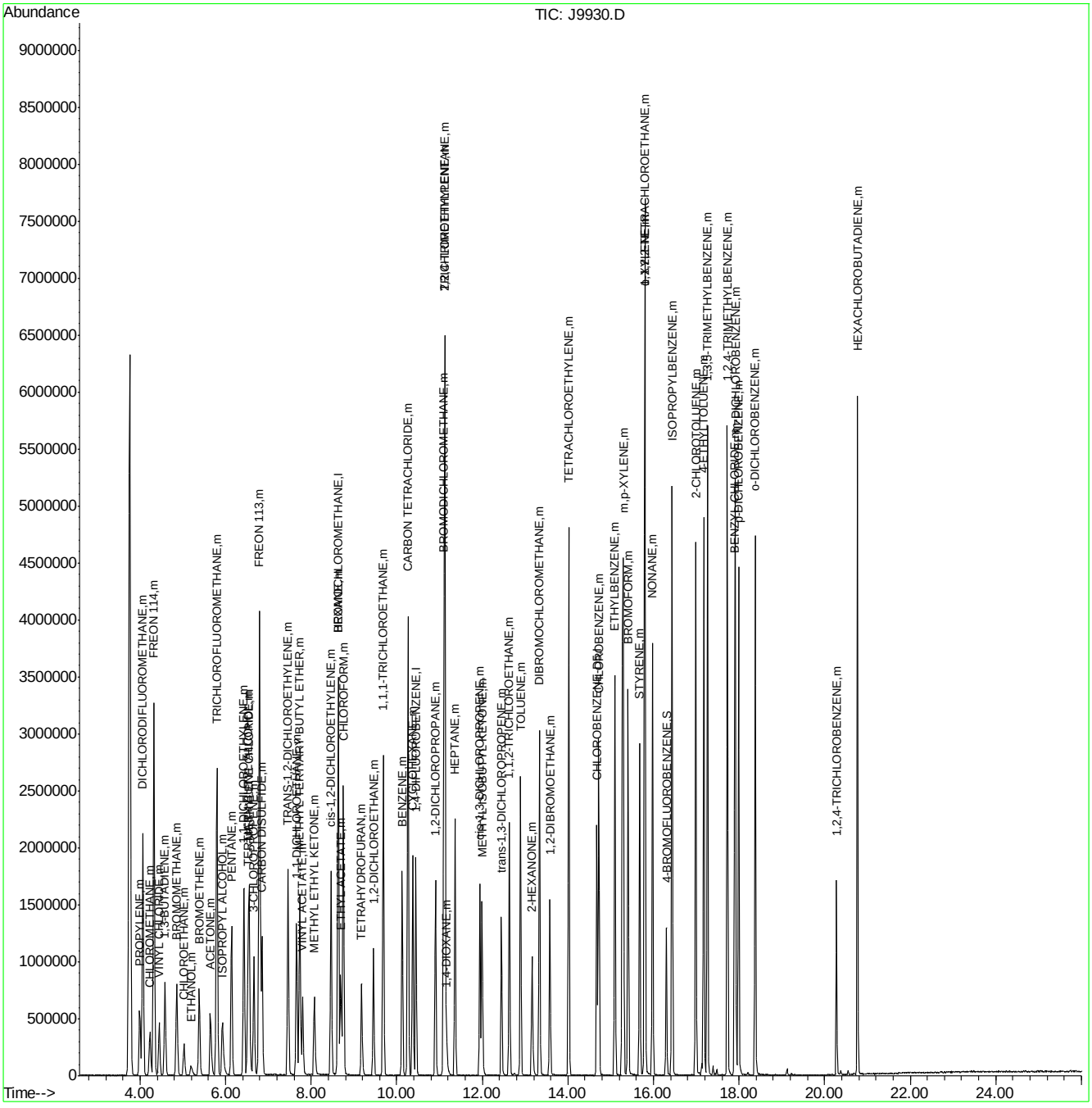
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	1156877	21.39 PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.94	75	775941	20.83 PPBV	89
46) TOLUENE	12.89	92	984030	19.58 PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.45	75	665963	21.18 PPBV	90
48) 1,1,2-TRICHLOROETHANE	12.63	83	546340	20.67 PPBV	99
50) 2-HEXANONE	13.16	43	934188	21.69 PPBV	91
51) TETRACHLOROETHYLENE	14.02	164	828028	19.01 PPBV	96
52) DIBROMOCHLOROMETHANE	13.33	129	1555150	20.63 PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	1016866	20.94 PPBV	98
54) CHLOROBENZENE	14.73	112	1415893	20.73 PPBV	99
55) ETHYLBENZENE	15.10	91	2377276	20.37 PPBV	98
56) m,p-XYLENE	15.29	106	1998777	40.09 PPBV	92
57) o-XYLENE	15.79	106	1159301	20.45 PPBV	96
58) STYRENE	15.68	104	1348166	20.34 PPBV	98
59) NONANE	15.98	43	1326618	20.91 PPBV	98
60) BROMOFORM	15.41	173	1535019	20.16 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	1759310	20.63 PPBV	99
63) ISOPROPYLBENZENE	16.43	105	3349628	20.48 PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	2353468	20.52 PPBV	98
65) 4-ETHYLTOLUENE	17.18	105	2869109	20.44 PPBV #	76
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	2907651	20.62 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	2752885	20.40 PPBV	97
68) m-DICHLOROBENZENE	17.91	146	1781375	19.57 PPBV	99
69) BENZYL CHLORIDE	17.89	91	1492042	20.38 PPBV	99
70) p-DICHLOROBENZENE	17.99	146	1595467	19.74 PPBV	96
71) o-DICHLOROBENZENE	18.38	146	1621719	19.64 PPBV	99
72) HEXACHLOROBUTADIENE	20.77	225	749085	17.09 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	350570	19.65 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9930.D
Acq On : 5 Apr 2007 1:44 pm
Operator : PhilipB
Sample : IC513-20 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 14:44:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 13:48:01 2007
Response via : Initial Calibration



J040407T.M Thu Apr 05 14:44:38 2007 Page: 3

ACCUTEST Laboratories M64555

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/06/07 12:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9931.D
Acq On : 5 Apr 2007 2:31 pm
Operator : PhilipB
Sample : IC513-5 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 15:04:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 14:44:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	529798	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1319486	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1061226	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	314004	4.16	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 83.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	593418	5.08	PPBV	98
3) PROPYLENE	4.00	41	100133	5.43	PPBV	96
4) FREON 114	4.32	85	507775	5.09	PPBV	92
5) CHLOROMETHANE	4.23	50	135200	5.55	PPBV	95
6) VINYL CHLORIDE	4.45	62	150083	5.39	PPBV	94
7) 1,3-BUTADIENE	4.58	39	130585	5.31	PPBV	88
8) BROMOMETHANE	4.85	94	155582	5.04	PPBV	98
9) CHLOROETHANE	5.03	64	62491	4.98	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.80	101	624393	4.85	PPBV	98
11) ISOPROPYL ALCOHOL	5.92	45	172397	4.31	PPBV	90
12) ACETONE	5.66	43	187263	4.72	PPBV	95
13) PENTANE	6.14	42	142683	5.27	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.43	96	147778	4.66	PPBV	91
15) CARBON DISULFIDE	6.85	76	469958	4.99	PPBV	95
16) ETHANOL	5.19	45	30991m	4.85	PPBV	
17) BROMOETHENE	5.39	106	146079	4.68	PPBV #	97
18) METHYLENE CHLORIDE	6.55	84	141768	4.82	PPBV	94
19) 3-CHLOROPROPENE	6.66	39	136208	4.55	PPBV	91
20) FREON 113	6.80	151	309942	4.18	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	164848	4.66	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.52	59	227550	4.06	PPBV #	74
23) METHYL TERTIARY BUTYL ETHE	7.74	73	333034	4.34	PPBV	97
24) TETRAHYDROFURAN	9.19	42	93949	4.32	PPBV	89
25) HEXANE	8.64	57	195253	4.84	PPBV	92
26) VINYL ACETATE	7.80	43	209308	4.33	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	285351	4.74	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	211303	4.61	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.46	96	175716	4.51	PPBV	98
30) ETHYL ACETATE	8.69	43	226730	4.55	PPBV	100
31) CHLOROFORM	8.75	83	475030	4.72	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	350934	4.10	PPBV	96
33) CARBON TETRACHLORIDE	10.26	117	443268	4.10	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	190226	4.42	PPBV	98
36) BENZENE	10.13	78	265293	4.09	PPBV	96
37) CYCLOHEXANE	10.37	84	128963	4.22	PPBV	90
38) TRICHLOROETHYLENE	11.12	95	152978	3.62	PPBV	94
39) 1,2-DICHLOROPROPANE	10.90	63	95114	4.14	PPBV	96
40) BROMODICHLOROMETHANE	11.09	83	291967	3.86	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	473584	3.74	PPBV	96
42) 1,4-DIOXANE	11.18	88	37830	3.28	PPBV	92
43) HEPTANE	11.36	43	164564	4.21	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9931.D
Acq On : 5 Apr 2007 2:31 pm
Operator : PhilipB
Sample : IC513-5 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 15:04:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 14:44:42 2007
Response via : Initial Calibration

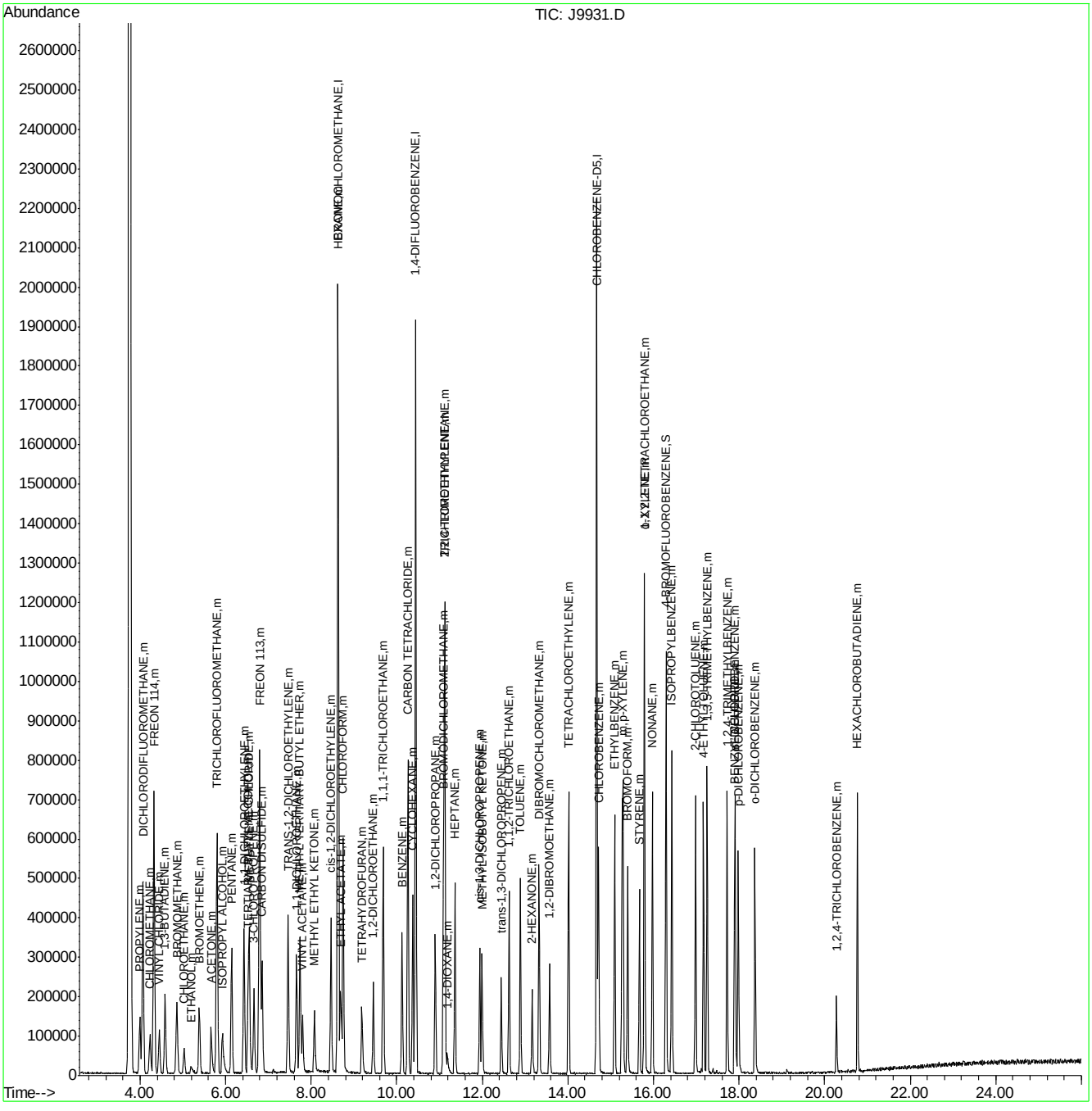
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	208520	3.94 PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.94	75	136097	3.76 PPBV	87
46) TOLUENE	12.89	92	176179	3.69 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	108144	3.52 PPBV	86
48) 1,1,2-TRICHLOROETHANE	12.62	83	101508	3.97 PPBV	99
50) 2-HEXANONE	13.16	43	154431	3.71 PPBV	88
51) TETRACHLOROETHYLENE	14.01	164	123582	3.07 PPBV	94
52) DIBROMOCHLOROMETHANE	13.33	129	257031	3.59 PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	169089	3.65 PPBV	99
54) CHLOROBENZENE	14.72	112	250075	3.85 PPBV	96
55) ETHYLBENZENE	15.09	91	393132	3.56 PPBV	96
56) m,p-XYLENE	15.28	106	309185m	6.60 PPBV	
57) o-XYLENE	15.79	106	164194	3.06 PPBV	89
58) STYRENE	15.67	104	182770	2.92 PPBV	96
59) NONANE	15.97	43	243818	4.03 PPBV	92
60) BROMOFORM	15.40	173	214316	2.99 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	273943	3.38 PPBV	99
63) ISOPROPYLBENZENE	16.42	105	480423	3.10 PPBV	97
64) 2-CHLOROTOLUENE	16.98	91	324205	2.98 PPBV	96
65) 4-ETHYLTOLUENE	17.17	105	356773	2.69 PPBV	75
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	371440	2.77 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	329860	2.58 PPBV	98
68) m-DICHLOROBENZENE	17.91	146	210075	2.47 PPBV	97
69) BENZYL CHLORIDE	17.89	91	174537	2.52 PPBV	98
70) p-DICHLOROBENZENE	17.98	146	191179	2.53 PPBV	96
71) o-DICHLOROBENZENE	18.37	146	182735	2.37 PPBV	97
72) HEXACHLOROBUTADIENE	20.77	225	81876	2.09 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	38500	2.31 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9931.D
Acq On : 5 Apr 2007 2:31 pm
Operator : PhilipB
Sample : IC513-5 (M014)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 15:04:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 14:44:42 2007
Response via : Initial Calibration

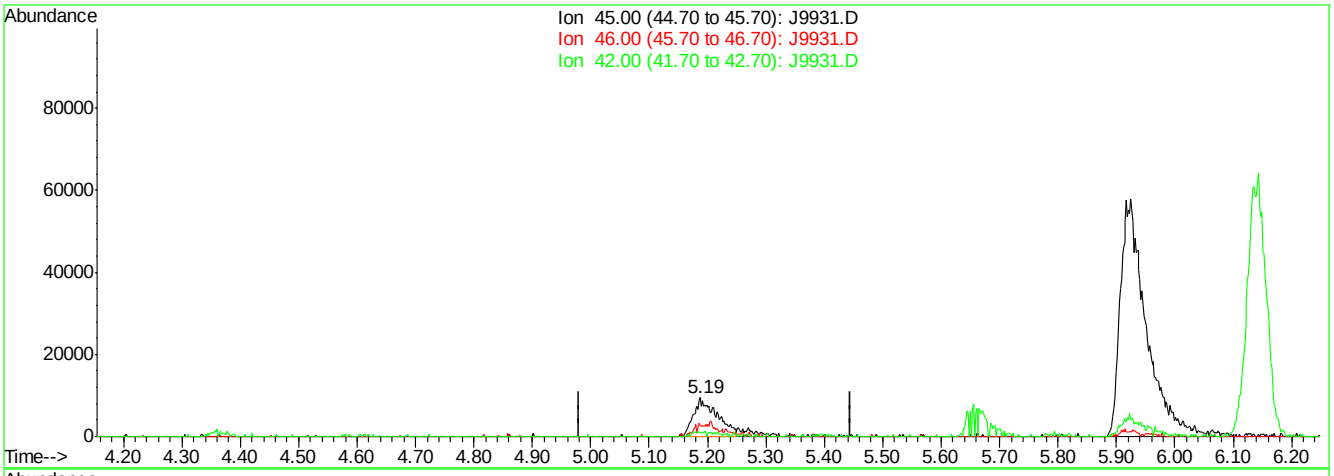


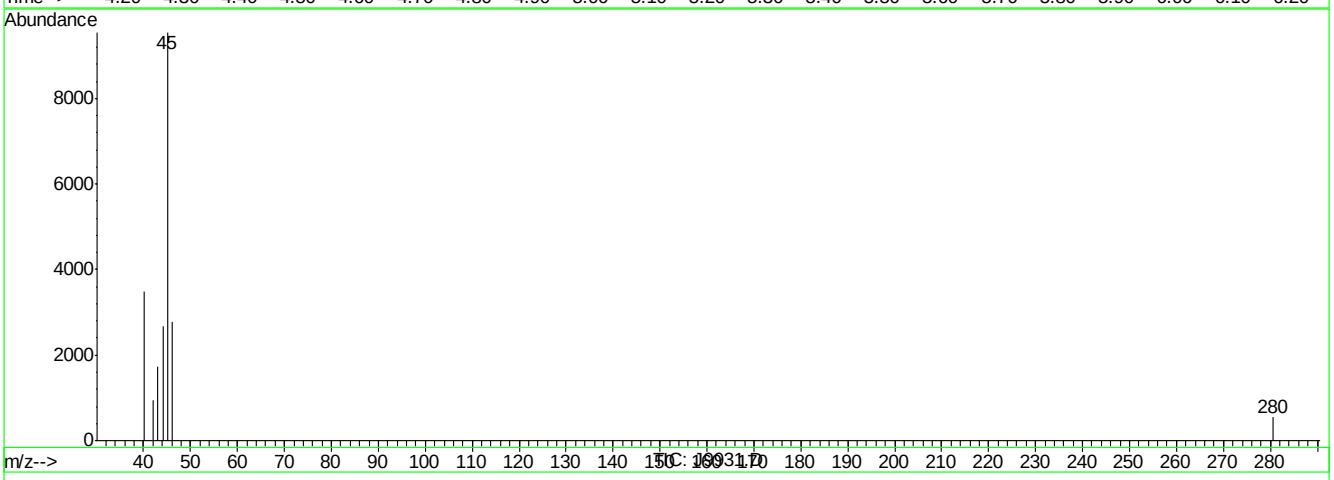
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9931.D Vial: 2
Acq On : 5 Apr 2007 2:31 pm Operator: PhilipB
Sample : IC513-5 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:04:04 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 14:44:42 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.19min 4.09PPBV

response 26158

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	12.41#
42.00	1.50	5.51
0.00	0.00	0.00

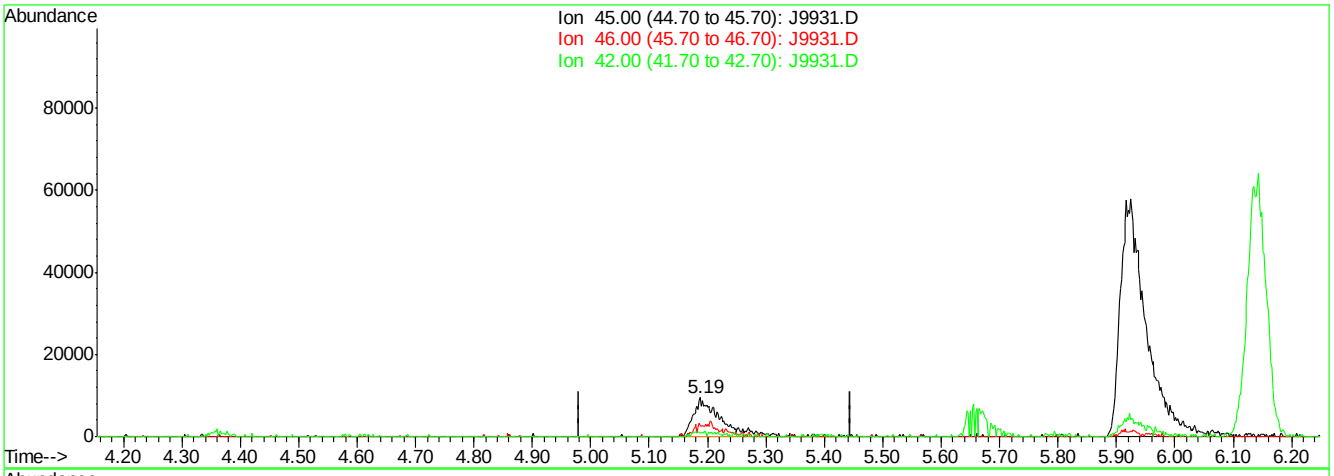
J9931.D J040407T.M Thu Apr 05 15:04:20 2007

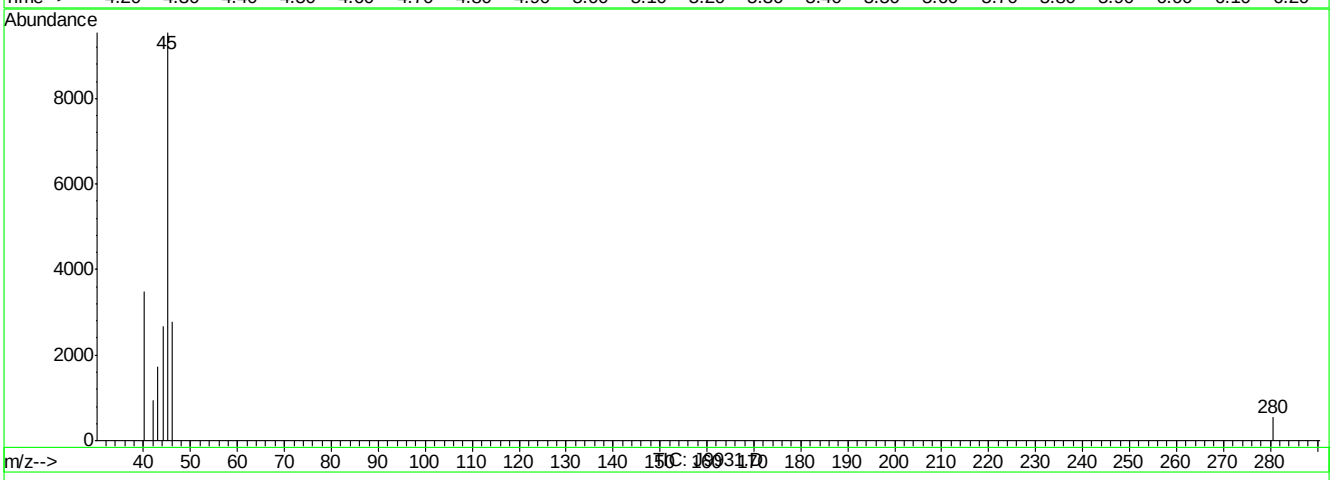
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9931.D Vial: 2
Acq On : 5 Apr 2007 2:31 pm Operator: PhilipB
Sample : IC513-5 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:04:04 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 14:44:42 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.19min 4.85PPBV m

response 30991

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	10.48#
42.00	1.50	4.65
0.00	0.00	0.00

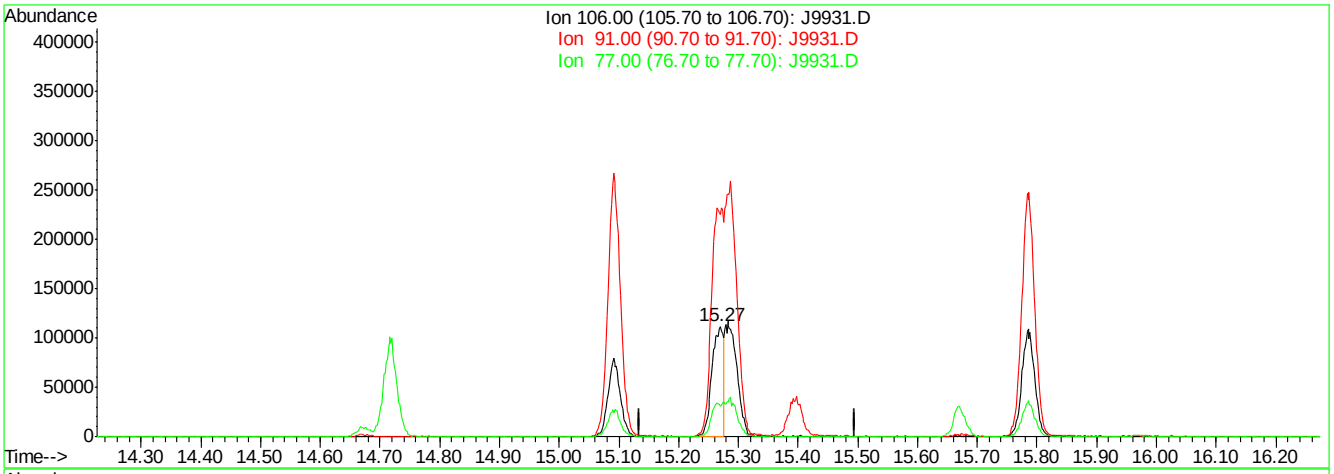
J9931.D J040407T.M Thu Apr 05 15:04:23 2007

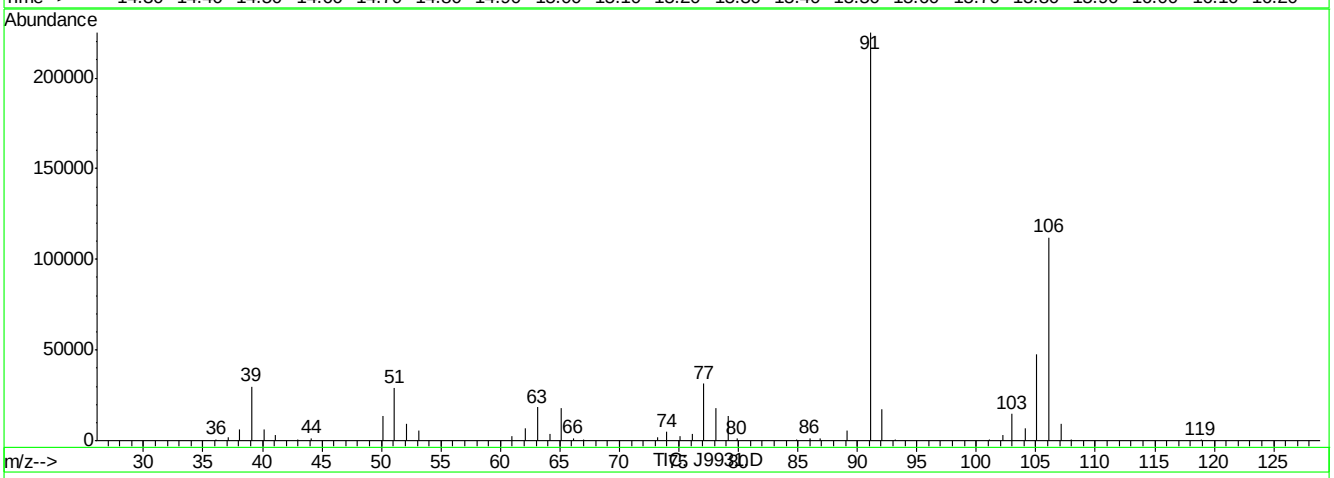
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9931.D Vial: 2
Acq On : 5 Apr 2007 2:31 pm Operator: PhilipB
Sample : IC513-5 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:04:04 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 14:44:42 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.27min 3.06PPBV

response 143244

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	201.07
77.00	27.10	27.91
0.00	0.00	0.00

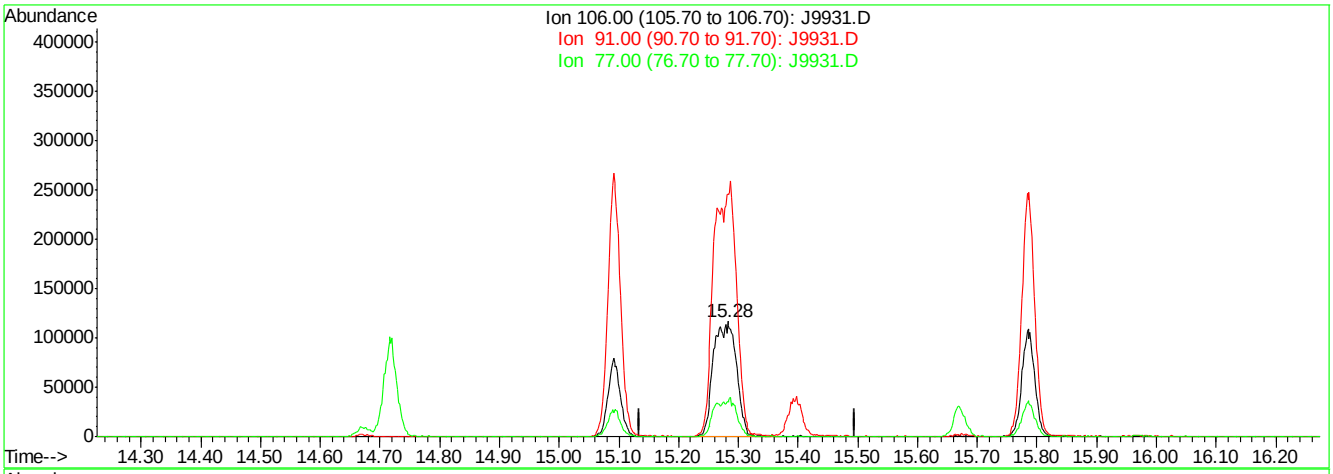
J9931.D J040407T.M Thu Apr 05 15:04:45 2007

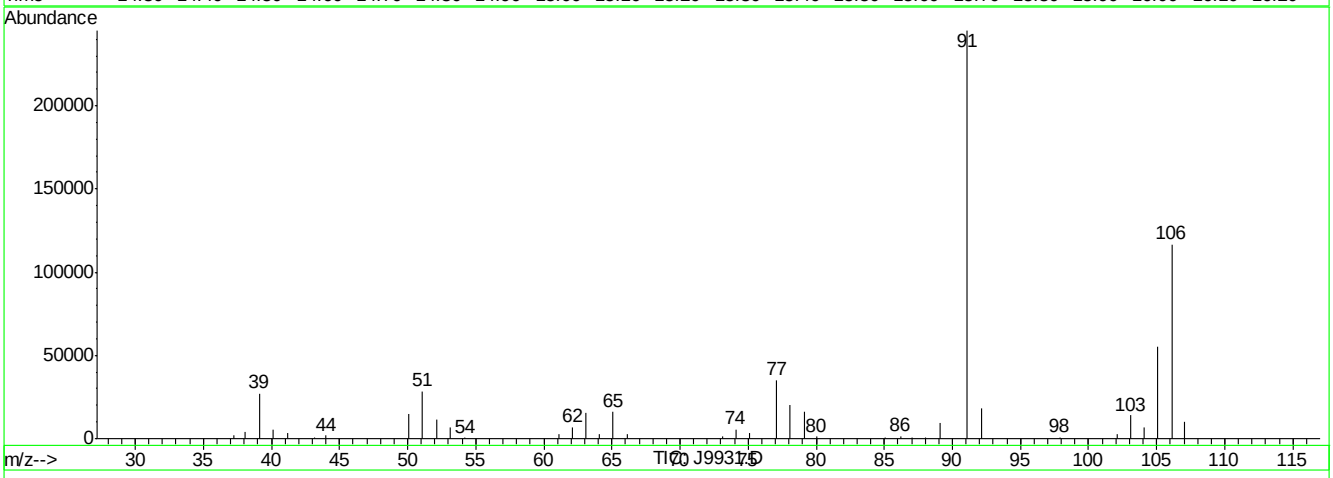
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9931.D Vial: 2
Acq On : 5 Apr 2007 2:31 pm Operator: PhilipB
Sample : IC513-5 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:04:04 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 14:44:42 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.28min 6.60PPBV m

response 309185

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	210.03
77.00	27.10	30.08
0.00	0.00	0.00

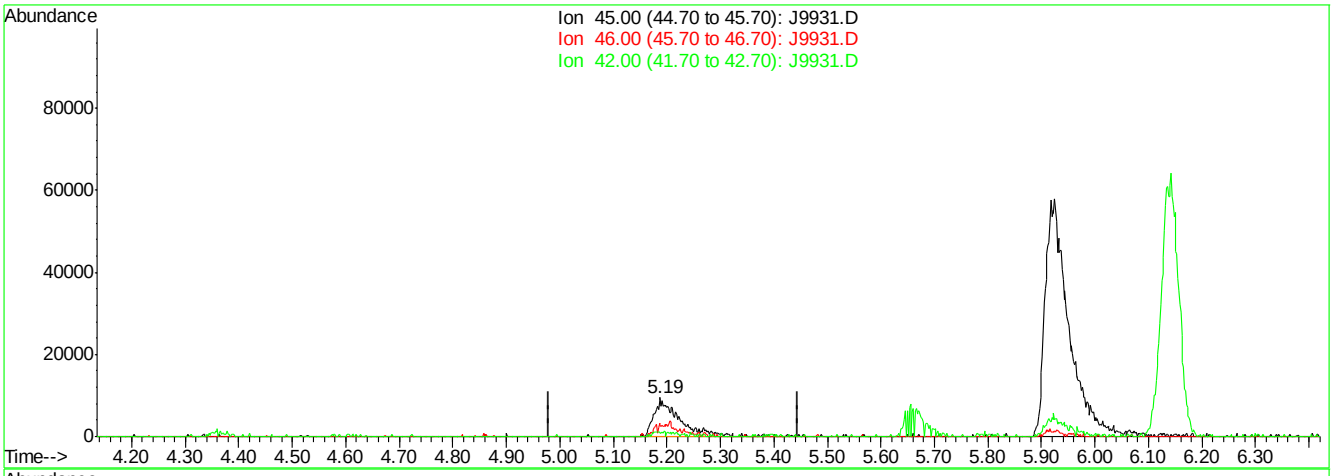
J9931.D J040407T.M Thu Apr 05 15:04:48 2007

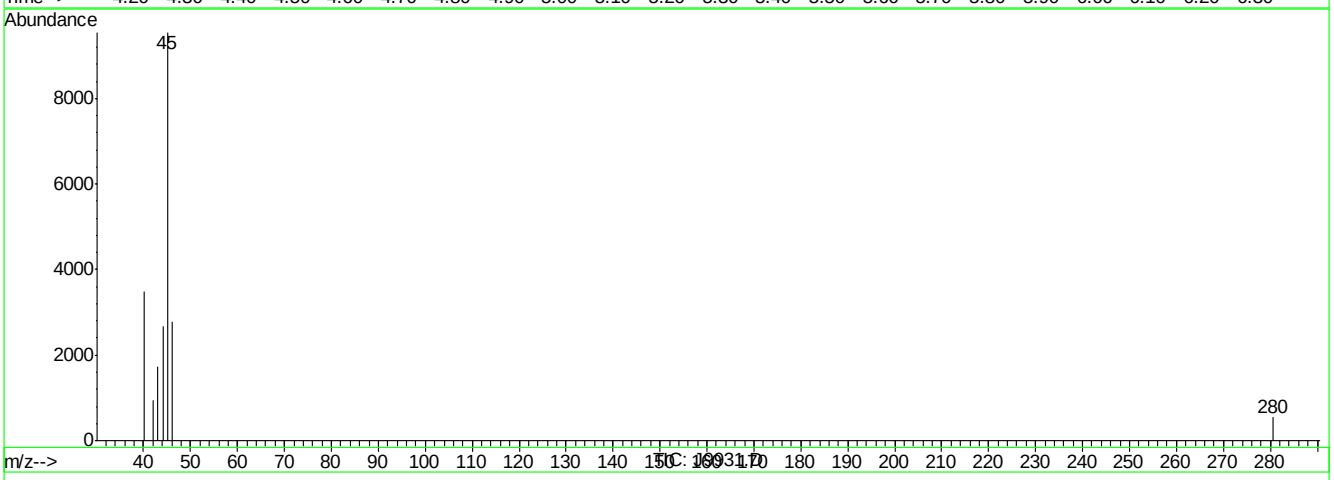
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9931.D Vial: 2
Acq On : 5 Apr 2007 2:31 pm Operator: PhilipB
Sample : IC513-5 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:04:46 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:19:23 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.19min 4.85PPBV m

response 30991

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	10.48#
42.00	1.50	4.65
0.00	0.00	0.00

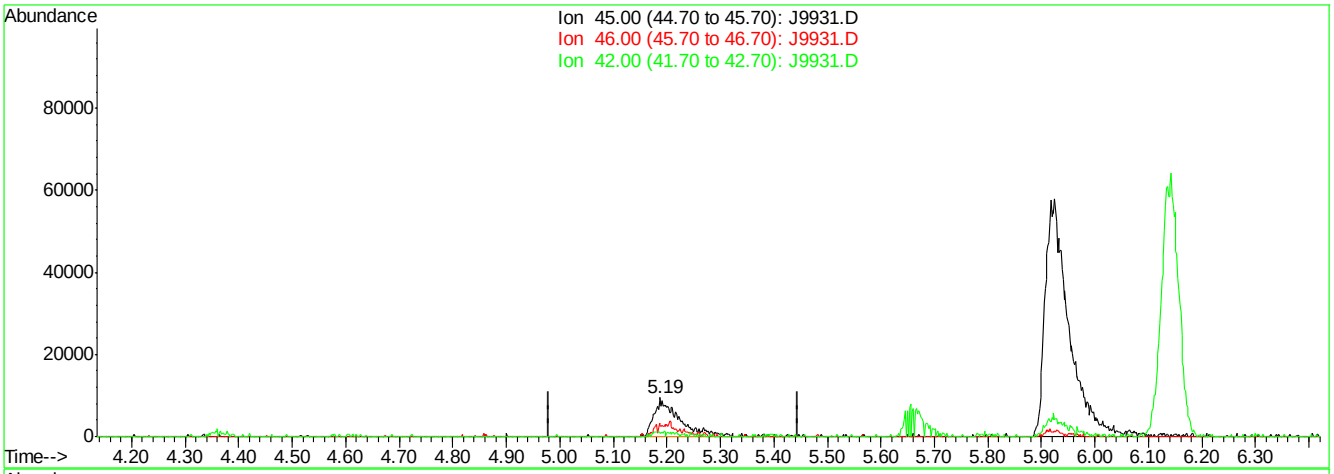
J9931.D J040507T.M Thu Apr 05 17:21:07 2007

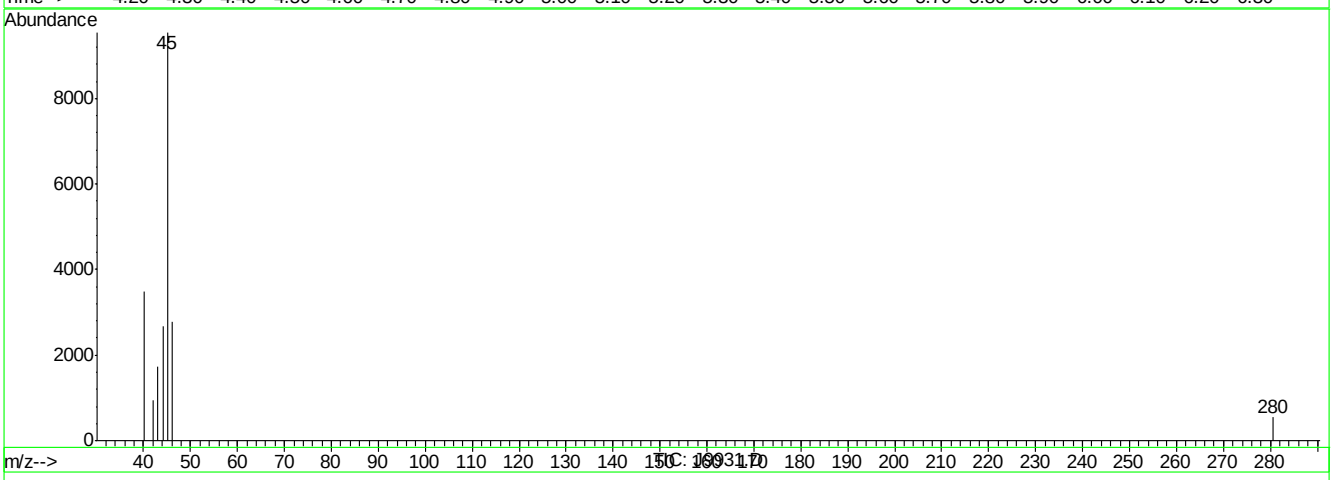
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9931.D Vial: 2
Acq On : 5 Apr 2007 2:31 pm Operator: PhilipB
Sample : IC513-5 (M014) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:04:46 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:19:23 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.19min 4.88PPBV m

response 31179

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	10.41#
42.00	1.50	4.62
0.00	0.00	0.00

J9931.D J040507T.M Thu Apr 05 17:21:20 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/06/07 12:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9932.D
Acq On : 5 Apr 2007 3:17 pm
Operator : PhilipB
Sample : IC513-2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 15:53:22 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 15:05:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	441731	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1006876	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	802111	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	224365	4.10	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 82.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	225290	2.31	PPBV	98
3) PROPYLENE	4.00	41	36625	2.33	PPBV	93
4) FREON 114	4.33	85	187941	2.25	PPBV	91
5) CHLOROMETHANE	4.23	50	52823	2.53	PPBV	98
6) VINYL CHLORIDE	4.45	62	54447	2.30	PPBV	81
7) 1,3-BUTADIENE	4.58	39	46595	2.24	PPBV	86
8) BROMOMETHANE	4.85	94	58564	2.27	PPBV	97
9) CHLOROETHANE	5.02	64	27057	2.59	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.79	101	238855	2.24	PPBV	100
11) ISOPROPYL ALCOHOL	5.91	45	136359	4.24	PPBV	74
12) ACETONE	5.65	43	142309	4.37	PPBV	95
13) PENTANE	6.13	42	56469	2.47	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.42	96	56889	2.19	PPBV	91
15) CARBON DISULFIDE	6.84	76	183843	2.34	PPBV	90
16) ETHANOL	5.18	45	30563	5.78	PPBV #	44
17) BROMOETHENE	5.37	106	52660	2.06	PPBV #	96
18) METHYLENE CHLORIDE	6.53	84	77631	3.19	PPBV	91
19) 3-CHLOROPROPENE	6.64	39	58228	2.39	PPBV	86
20) FREON 113	6.77	151	122876	2.07	PPBV	92
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	61693	2.13	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.51	59	105409	2.37	PPBV	89
23) METHYL TERTIARY BUTYL ETHE	7.73	73	146451	2.37	PPBV	94
24) TETRAHYDROFURAN	9.17	42	42619	2.43	PPBV	87
25) HEXANE	8.62	57	90679	2.72	PPBV	86
26) VINYL ACETATE	7.78	43	97481	2.50	PPBV	91
27) 1,1-DICHLOROETHANE	7.64	63	123517	2.49	PPBV	100
28) METHYL ETHYL KETONE	8.06	43	132305	3.53	PPBV	88
29) cis-1,2-DICHLOROETHYLENE	8.45	96	70580	2.23	PPBV	98
30) ETHYL ACETATE	8.67	43	122606	3.02	PPBV	97
31) CHLOROFORM	8.73	83	205834	2.49	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.67	97	157232	2.31	PPBV	96
33) CARBON TETRACHLORIDE	10.24	117	182420	2.12	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	79025	2.27	PPBV	97
36) BENZENE	10.11	78	115381	2.44	PPBV	97
37) CYCLOHEXANE	10.36	84	47209	2.11	PPBV	91
38) TRICHLOROETHYLENE	11.10	95	58744	1.96	PPBV	93
39) 1,2-DICHLOROPROPANE	10.88	63	42013	2.51	PPBV	97
40) BROMODICHLOROMETHANE	11.08	83	120687	2.22	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	212708	2.35	PPBV	94
42) 1,4-DIOXANE	11.17	88	24898	3.09	PPBV	91
43) HEPTANE	11.35	43	67046	2.34	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9932.D
Acq On : 5 Apr 2007 3:17 pm
Operator : PhilipB
Sample : IC513-2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 15:53:22 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 15:05:12 2007
Response via : Initial Calibration

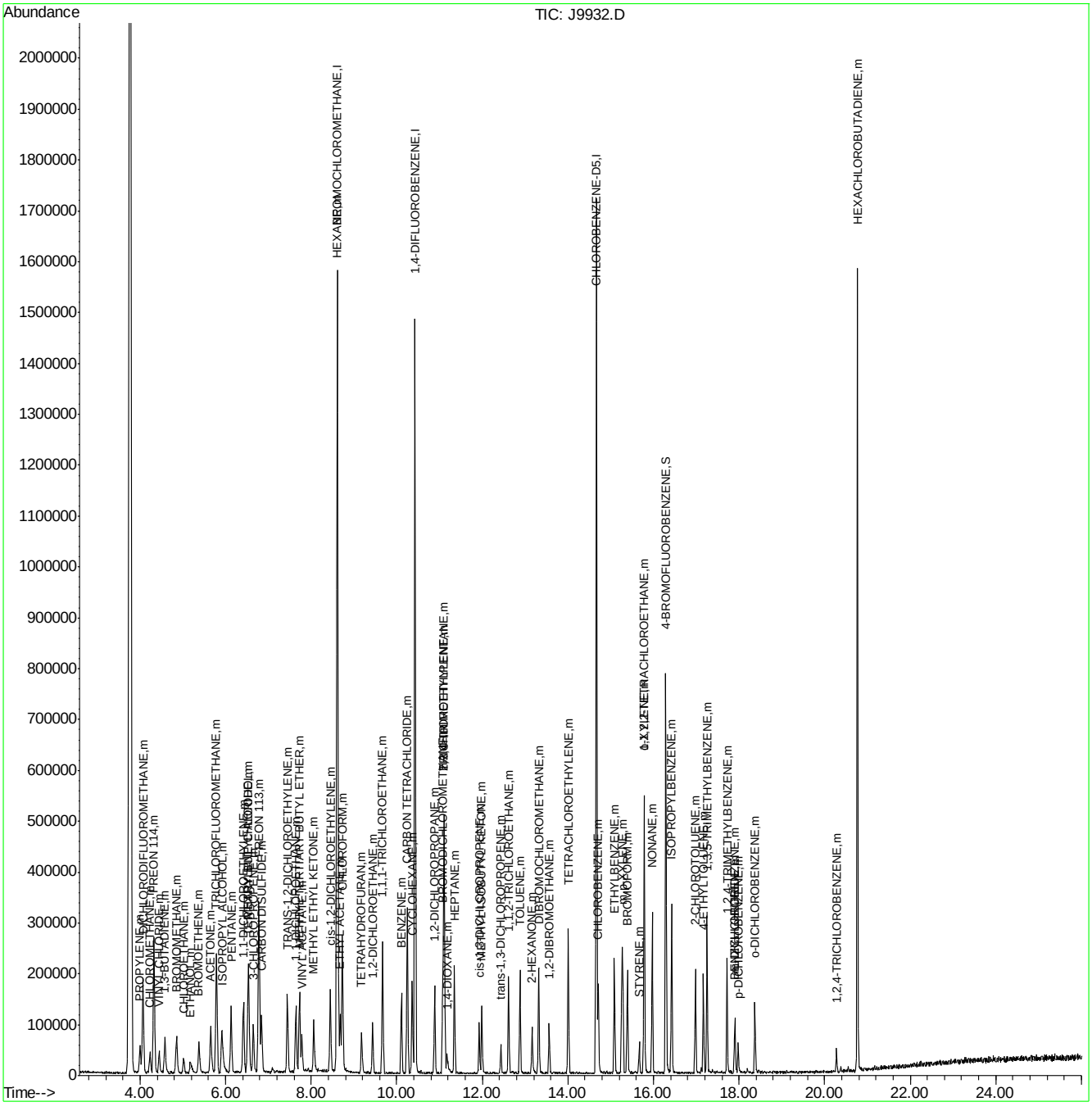
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	88268	2.31 PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.93	75	41724	1.61 PPBV	87
46) TOLUENE	12.88	92	68342	2.01 PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.43	75	25410	1.17 PPBV	83
48) 1,1,2-TRICHLOROETHANE	12.61	83	41465	2.24 PPBV	99
50) 2-HEXANONE	13.16	43	69433	2.36 PPBV	81
51) TETRACHLOROETHYLENE	14.01	164	47044	1.71 PPBV	92
52) DIBROMOCHLOROMETHANE	13.32	129	102834	2.05 PPBV	99
53) 1,2-DIBROMOETHANE	13.56	107	52767	1.62 PPBV	100
54) CHLOROBENZENE	14.71	112	76203	1.65 PPBV	94
55) ETHYLBENZENE	15.09	91	131501	1.70 PPBV	95
56) m,p-XYLENE	15.28	106	101232m	3.12 PPBV	
57) o-XYLENE	15.78	106	57128	1.56 PPBV	90
58) STYRENE	15.67	104	24189	0.57 PPBV	98
59) NONANE	15.97	43	99706	2.29 PPBV	92
60) BROMOFORM	15.39	173	81221	1.67 PPBV	95
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	134964	2.40 PPBV	96
63) ISOPROPYLBENZENE	16.42	105	180861	1.71 PPBV	95
64) 2-CHLOROTOLUENE	16.98	91	96401	1.31 PPBV	95
65) 4-ETHYLTOLUENE	17.17	105	91587	1.03 PPBV	76
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	137853	1.53 PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	96113	1.13 PPBV	98
68) m-DICHLOROBENZENE	17.90	146	31841	0.57 PPBV	98
69) BENZYL CHLORIDE	17.89	91	19517	0.43 PPBV	95
70) p-DICHLOROBENZENE	17.98	146	19939	0.40 PPBV	92
71) o-DICHLOROBENZENE	18.37	146	41328	0.82 PPBV	90
72) HEXACHLOROBUTADIENE	20.76	225	177921	7.03 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	10436	0.96 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9932.D
Acq On : 5 Apr 2007 3:17 pm
Operator : PhilipB
Sample : IC513-2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 15:53:22 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 15:05:12 2007
Response via : Initial Calibration

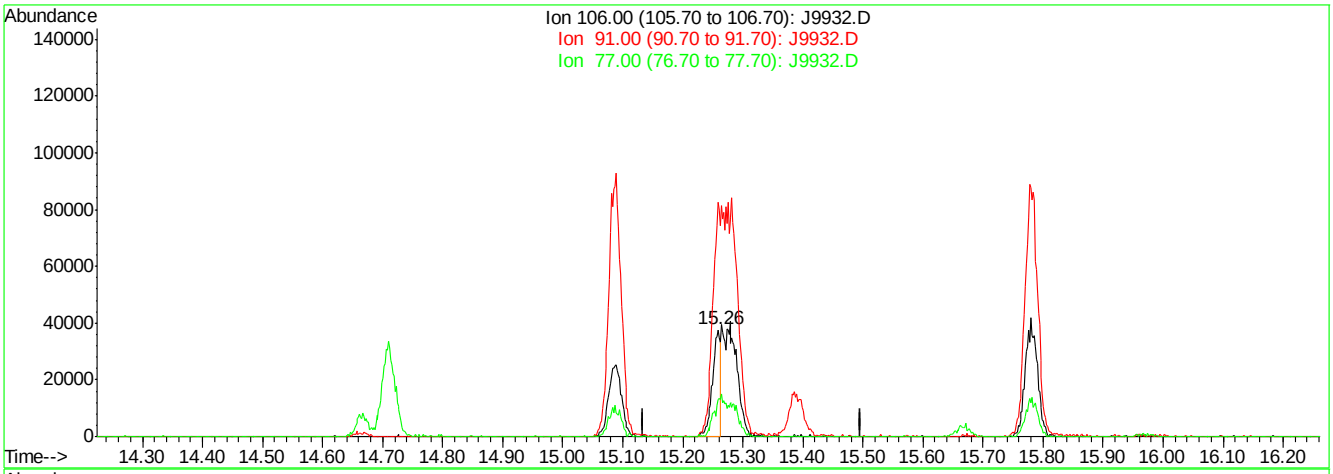


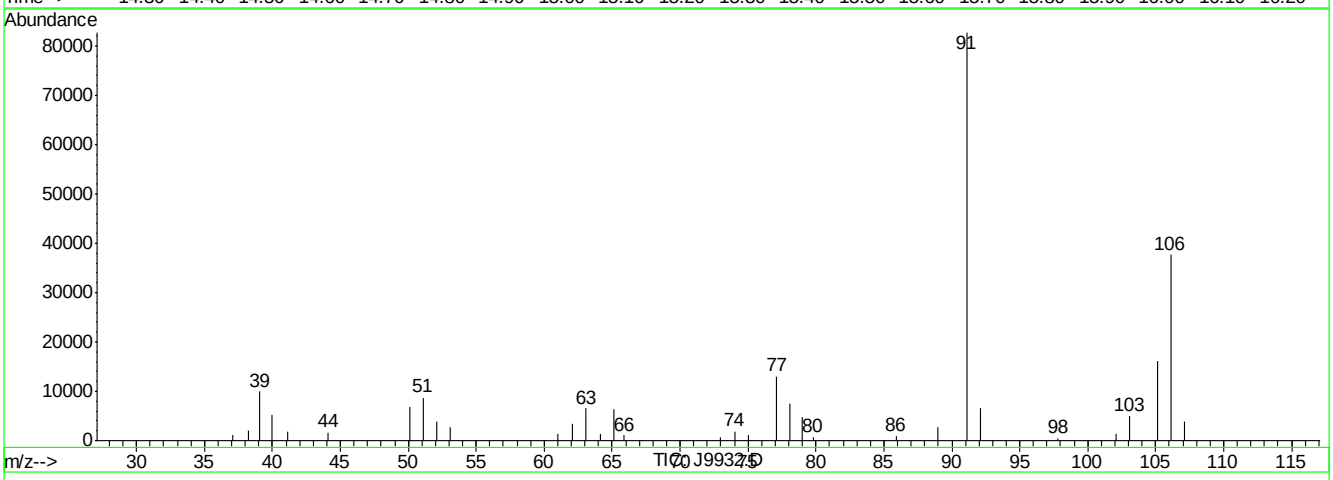
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9932.D Vial: 3
Acq On : 5 Apr 2007 3:17 pm Operator: PhilipB
Sample : IC513-2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:52:30 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:05:12 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.26min 1.02PPBV

response 33126

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	219.79
77.00	27.10	34.58#
0.00	0.00	0.00

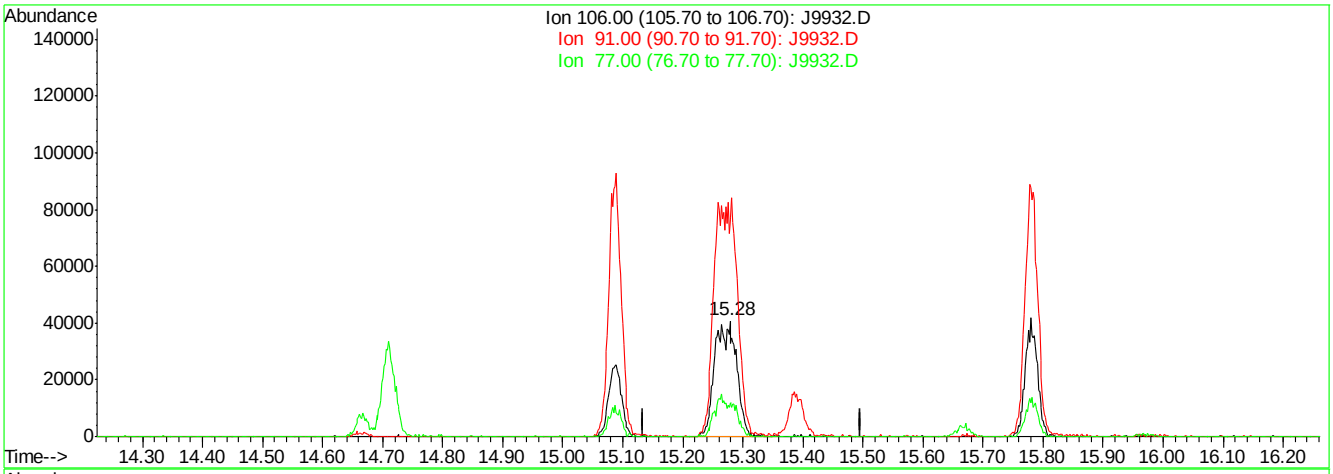
J9932.D J040407T.M Thu Apr 05 15:53:08 2007

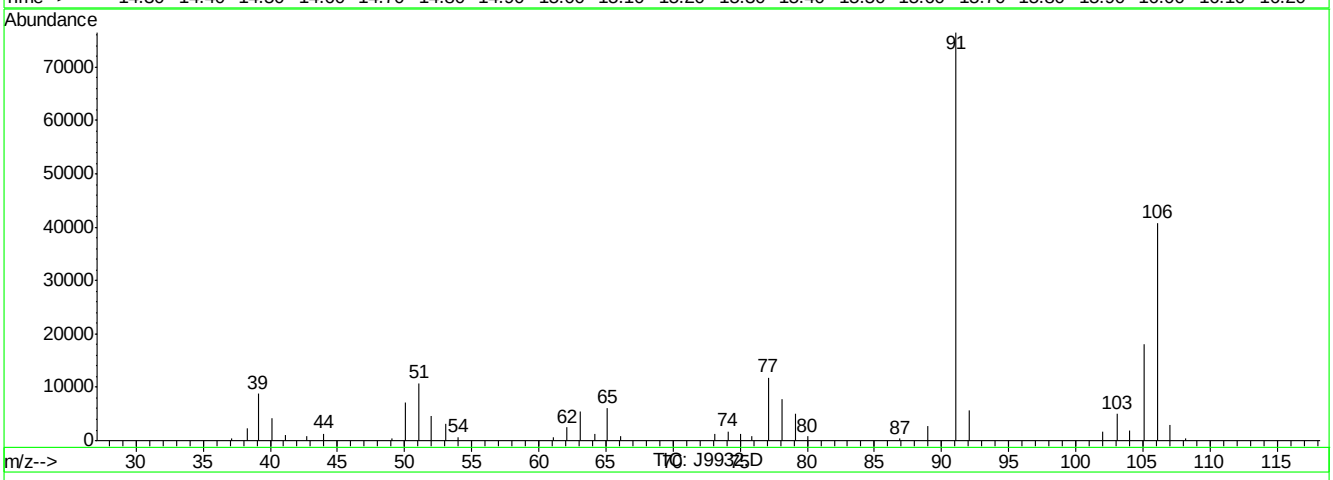
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9932.D Vial: 3
Acq On : 5 Apr 2007 3:17 pm Operator: PhilipB
Sample : IC513-2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 15:52:30 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:05:12 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.28min 3.12PPBV m

response 101232

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	187.27
77.00	27.10	29.07
0.00	0.00	0.00

J9932.D J040407T.M Thu Apr 05 15:53:13 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/06/07 12:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9933.D
Acq On : 5 Apr 2007 4:02 pm
Operator : PhilipB
Sample : IC513-.5 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 16:38:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 15:53:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	461363	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1100926	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	838778	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	194482	3.53	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 70.60%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	55415	0.53	PPBV		97
3) PROPYLENE	4.01	41	8192m	0.48	PPBV		
4) FREON 114	4.33	85	45000	0.50	PPBV		86
5) CHLOROMETHANE	4.24	50	13024	0.57	PPBV		71
6) VINYL CHLORIDE	4.45	62	12315m	0.48	PPBV		
7) 1,3-BUTADIENE	4.59	39	8680	0.39	PPBV	#	54
8) BROMOMETHANE	4.86	94	14164m	0.51	PPBV		
9) CHLOROETHANE	5.03	64	5661m	0.49	PPBV		
10) TRICHLOROFLUOROMETHANE	5.79	101	55539	0.49	PPBV		96
11) ISOPROPYL ALCOHOL	5.98	45	28991m	0.70	PPBV		
12) ACETONE	5.68	43	30086m	0.71	PPBV		
13) PENTANE	6.14	42	13955m	0.56	PPBV		
14) 1,1-DICHLOROETHYLENE	6.42	96	12249	0.44	PPBV	#	83
15) CARBON DISULFIDE	6.85	76	44488	0.52	PPBV		83
16) ETHANOL	5.24	45	6429m	0.84	PPBV		
17) BROMOETHENE	5.39	106	11336	0.42	PPBV	#	93
18) METHYLENE CHLORIDE	6.54	84	20363	0.72	PPBV		92
19) 3-CHLOROPROPENE	6.65	39	11668	0.44	PPBV	#	57
20) FREON 113	6.77	151	27696	0.44	PPBV		88
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	13151	0.43	PPBV	#	87
22) TERTIARY BUTYL ALCOHOL	6.59	59	21097m	0.44	PPBV		
23) METHYL TERTIARY BUTYL ETHE	7.75	73	27555	0.41	PPBV		82
24) TETRAHYDROFURAN	9.21	42	6631m	0.35	PPBV		
25) HEXANE	8.62	57	20641	0.55	PPBV	#	81
26) VINYL ACETATE	7.80	43	19233	0.45	PPBV		86
27) 1,1-DICHLOROETHANE	7.64	63	28263	0.52	PPBV	#	55
28) METHYL ETHYL KETONE	8.08	43	25497	0.57	PPBV		93
29) cis-1,2-DICHLOROETHYLENE	8.45	96	15353m	0.45	PPBV		
30) ETHYL ACETATE	8.70	43	23213m	0.50	PPBV		
31) CHLOROFORM	8.73	83	46569	0.51	PPBV		97
32) 1,1,1-TRICHLOROETHANE	9.67	97	32224	0.44	PPBV		94
33) CARBON TETRACHLORIDE	10.25	117	40610	0.45	PPBV		90
34) 1,2-DICHLOROETHANE	9.44	62	15944	0.43	PPBV		82
36) BENZENE	10.11	78	21067	0.39	PPBV		93
37) CYCLOHEXANE	10.36	84	7773	0.31	PPBV		87
38) TRICHLOROETHYLENE	11.11	95	11601	0.35	PPBV		88
39) 1,2-DICHLOROPROPANE	10.90	63	8011	0.42	PPBV		93
40) BROMODICHLOROMETHANE	11.08	83	25553	0.42	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	34413	0.34	PPBV		89
42) 1,4-DIOXANE	11.23	88	2735m	0.28	PPBV		
43) HEPTANE	11.36	43	10976	0.34	PPBV	#	72

ACCUTEST Laboratories M64555

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9933.D
Acq On : 5 Apr 2007 4:02 pm
Operator : PhilipB
Sample : IC513-.5 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 16:38:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 15:53:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	10816m	0.25	PPBV	
45) cis-1,3-DICHLOROPROPENE	11.93	75	6360	0.23	PPBV #	44
46) TOLUENE	12.89	92	10205	0.27	PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.44	75	3675	0.17	PPBV #	79
48) 1,1,2-TRICHLOROETHANE	12.62	83	7843	0.38	PPBV #	86
50) 2-HEXANONE	13.20	43	7928m	0.25	PPBV	
51) TETRACHLOROETHYLENE	14.01	164	9235	0.33	PPBV #	87
52) DIBROMOCHLOROMETHANE	13.32	129	19457	0.37	PPBV	99
53) 1,2-DIBROMOETHANE	13.56	107	9205	0.28	PPBV #	94
54) CHLOROBENZENE	14.71	112	15037	0.32	PPBV	93
55) ETHYLBENZENE	15.09	91	15920	0.20	PPBV	95
56) m,p-XYLENE	15.28	106	12227m	0.38	PPBV	
57) o-XYLENE	15.78	106	6033	0.16	PPBV	88
58) STYRENE	15.66	104	2493	0.07	PPBV #	62
59) NONANE	15.97	43	11252	0.24	PPBV	81
60) BROMOFORM	15.40	173	13252	0.27	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	20875	0.34	PPBV	97
63) ISOPROPYLBENZENE	16.43	105	20313	0.19	PPBV	97
64) 2-CHLOROTOLUENE	16.98	91	11277	0.16	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	9642	0.11	PPBV	75
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	12547m	0.14	PPBV	
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	8266	0.10	PPBV	92
68) m-DICHLOROBENZENE	17.91	146	4532	0.09	PPBV	92
69) BENZYL CHLORIDE	17.90	91	3230m	0.08	PPBV	
70) p-DICHLOROBENZENE	17.98	146	2474m	0.06	PPBV	
71) o-DICHLOROBENZENE	18.37	146	5305	0.11	PPBV	94
72) HEXACHLOROBUTADIENE	20.77	225	27513	0.69	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.29	180	1638	0.16	PPBV	90

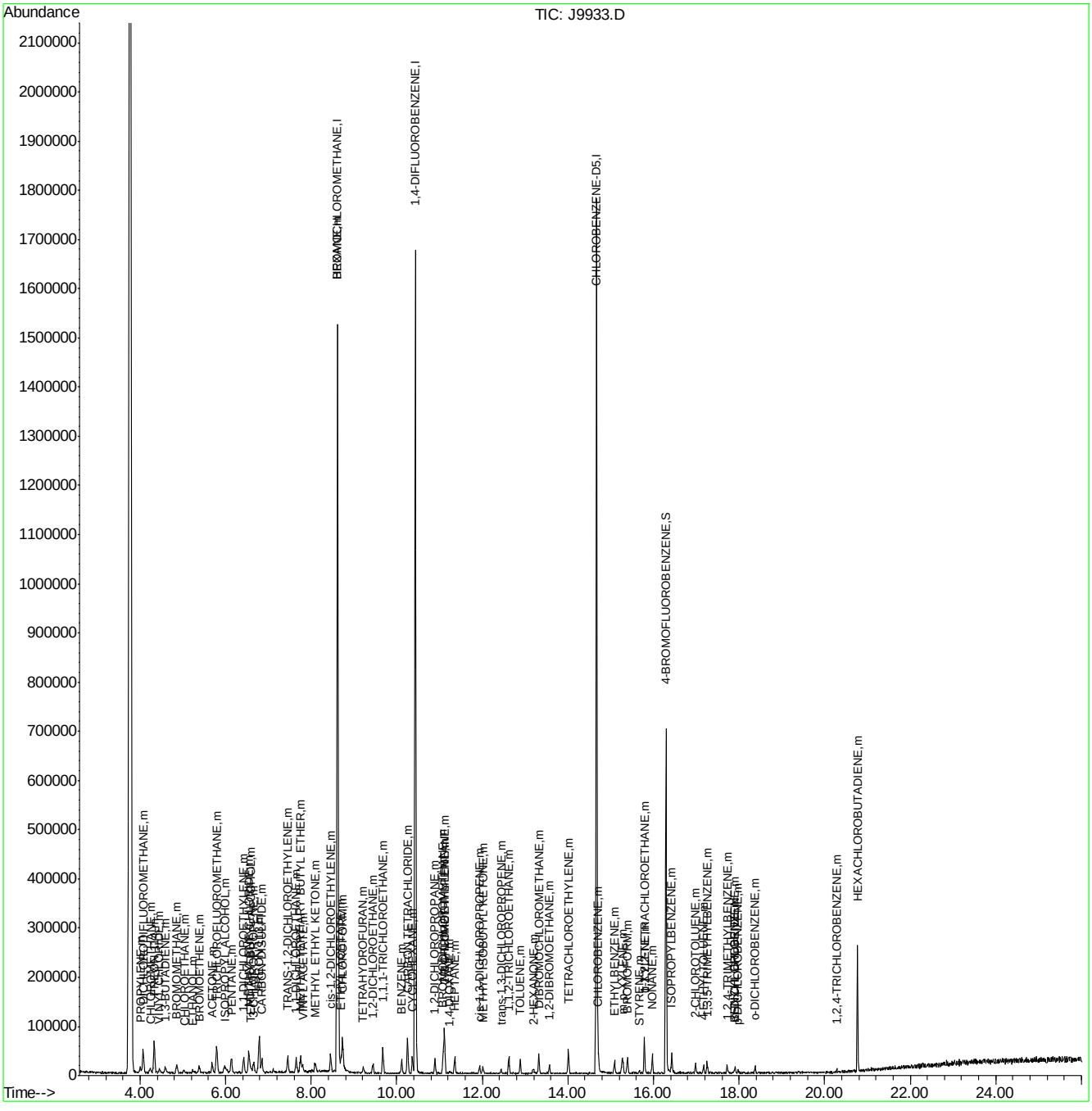
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M64555

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9933.D
Acq On : 5 Apr 2007 4:02 pm
Operator : PhilipB
Sample : IC513-.5 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 16:38:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 15:53:34 2007
Response via : Initial Calibration

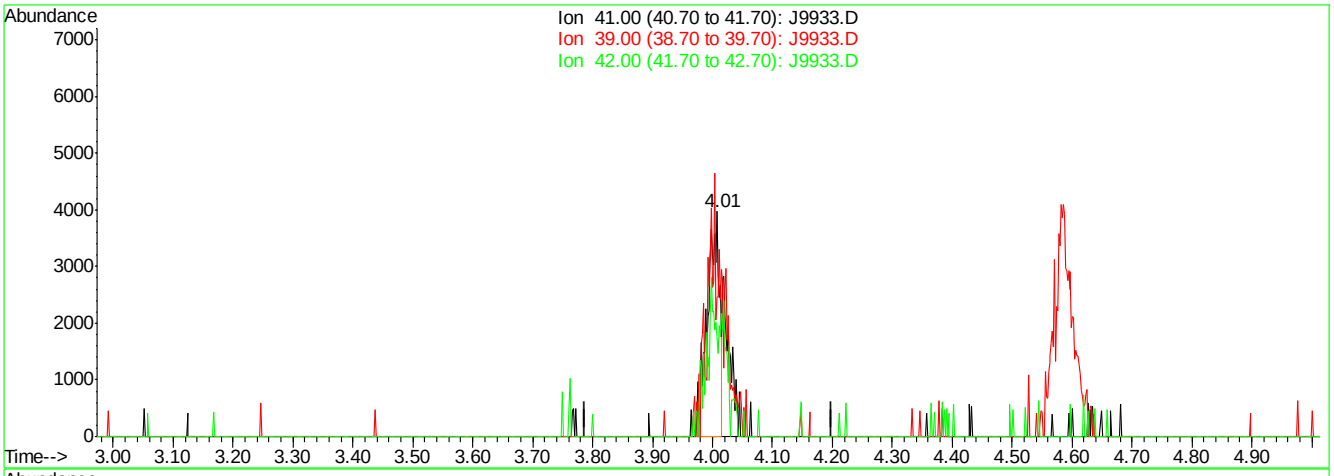


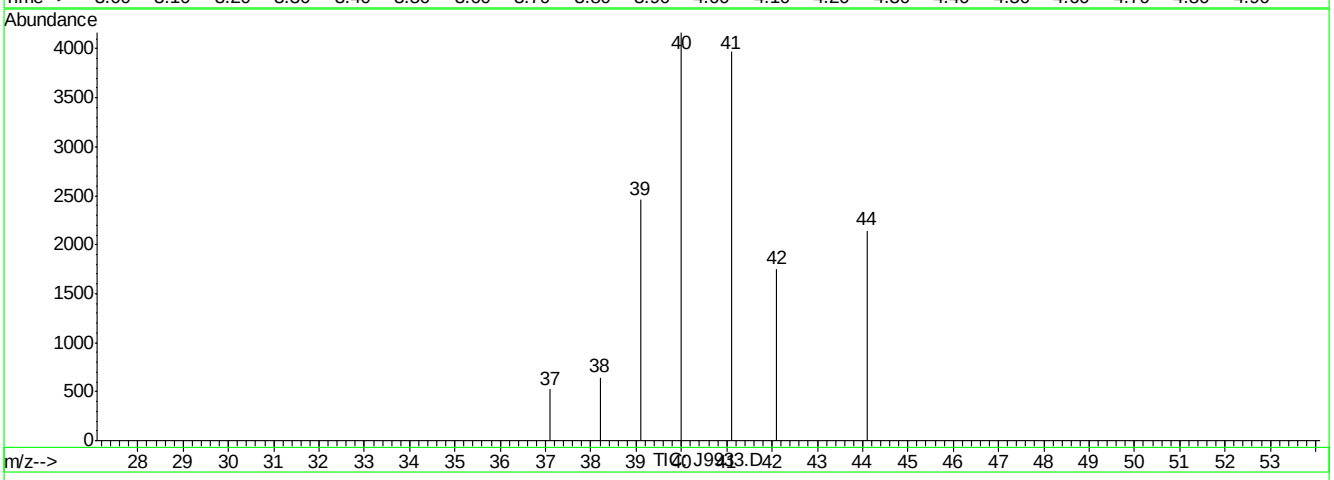
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

4.01min 0.33PPBV

response 5587

Ion	Exp%	Act%
41.00	100	100
39.00	79.30	61.79
42.00	66.90	44.13#
0.00	0.00	0.00

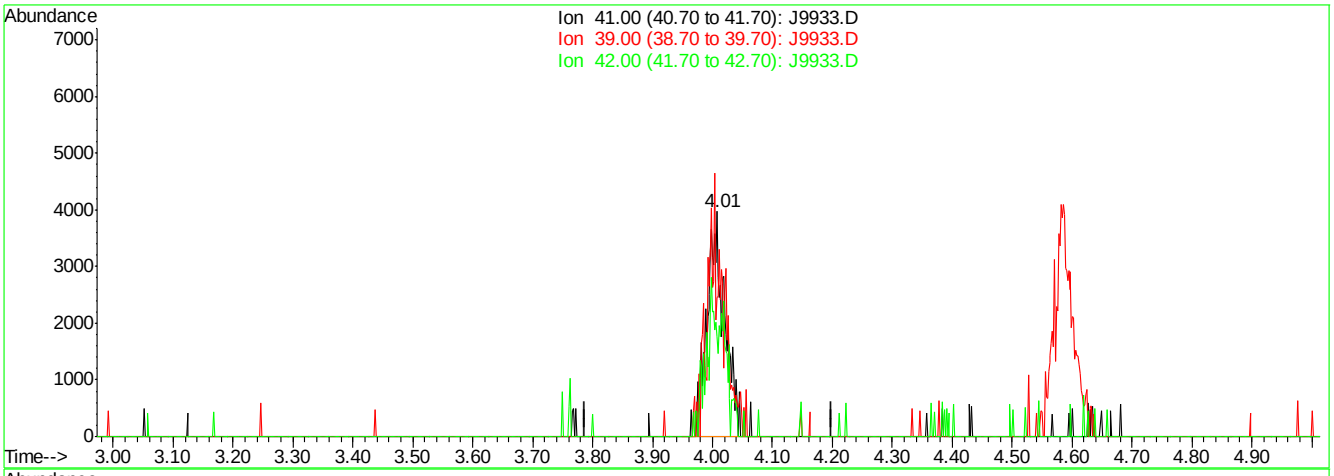
J9933.D J040407T.M Thu Apr 05 16:36:01 2007

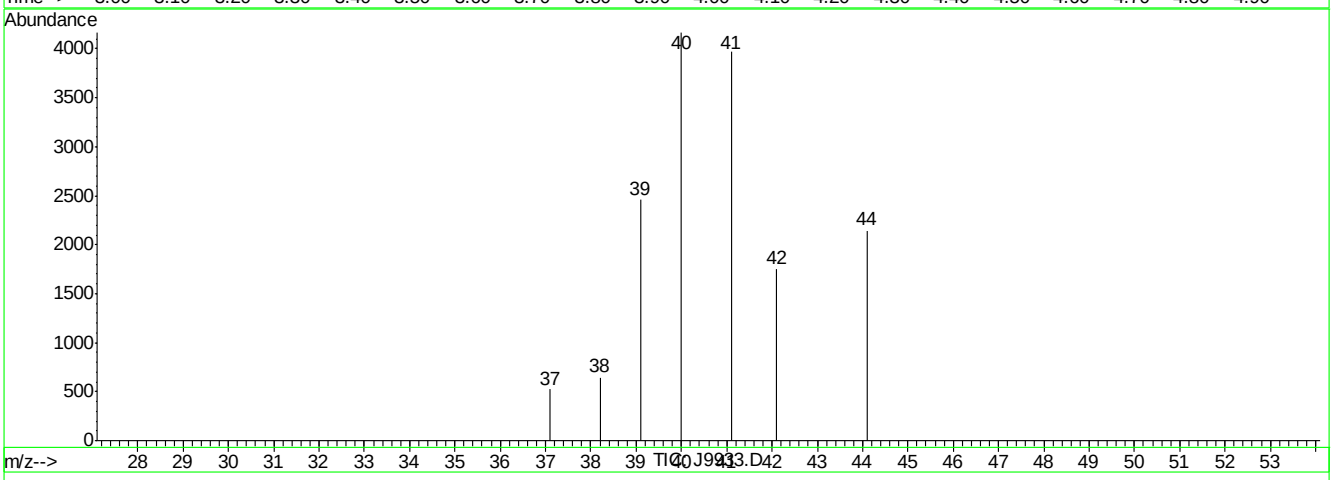
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

4.01min 0.48PPBV m

response 8192

Ion	Exp%	Act%
41.00	100	100
39.00	79.30	61.79
42.00	66.90	44.13#
0.00	0.00	0.00

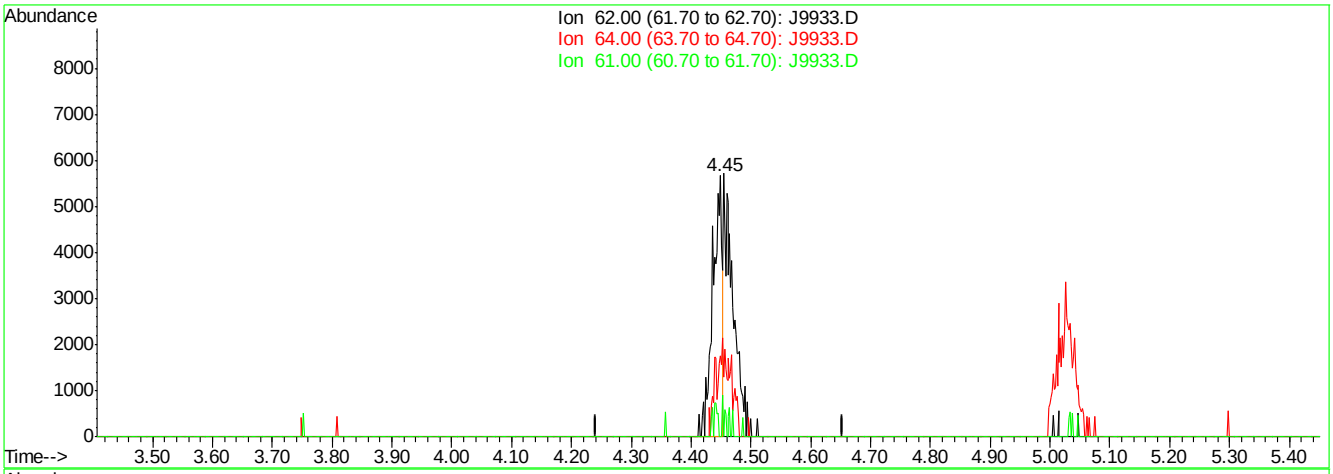
J9933.D J040407T.M Thu Apr 05 16:36:05 2007

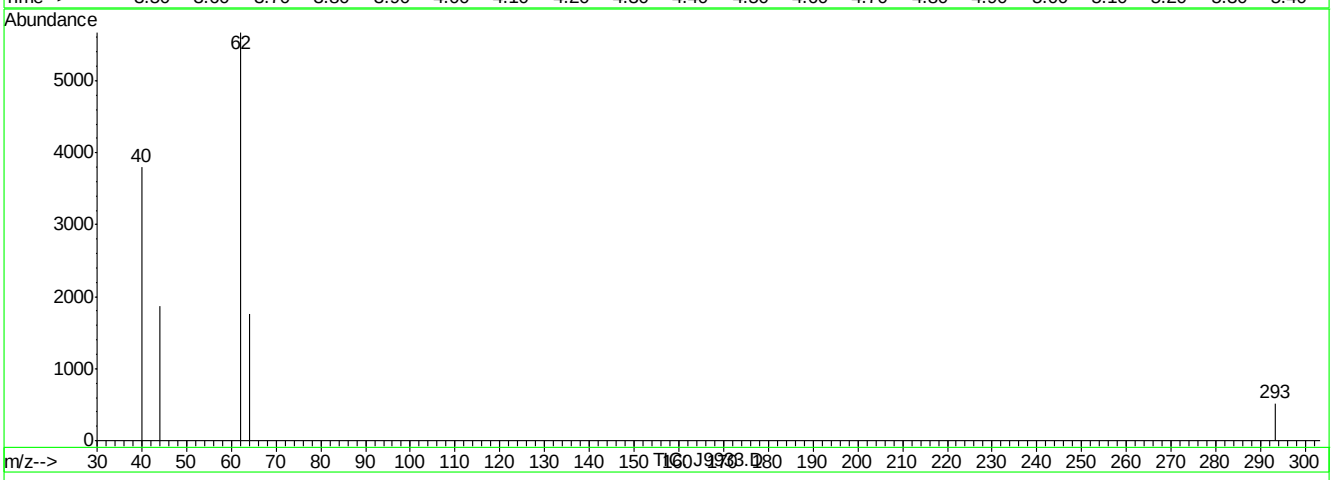
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(6) VINYL CHLORIDE (m)

4.45min 0.23PPBV

response 5874

Ion	Exp%	Act%
62.00	100	100
64.00	32.90	60.16#
61.00	8.50	3.56
0.00	0.00	0.00

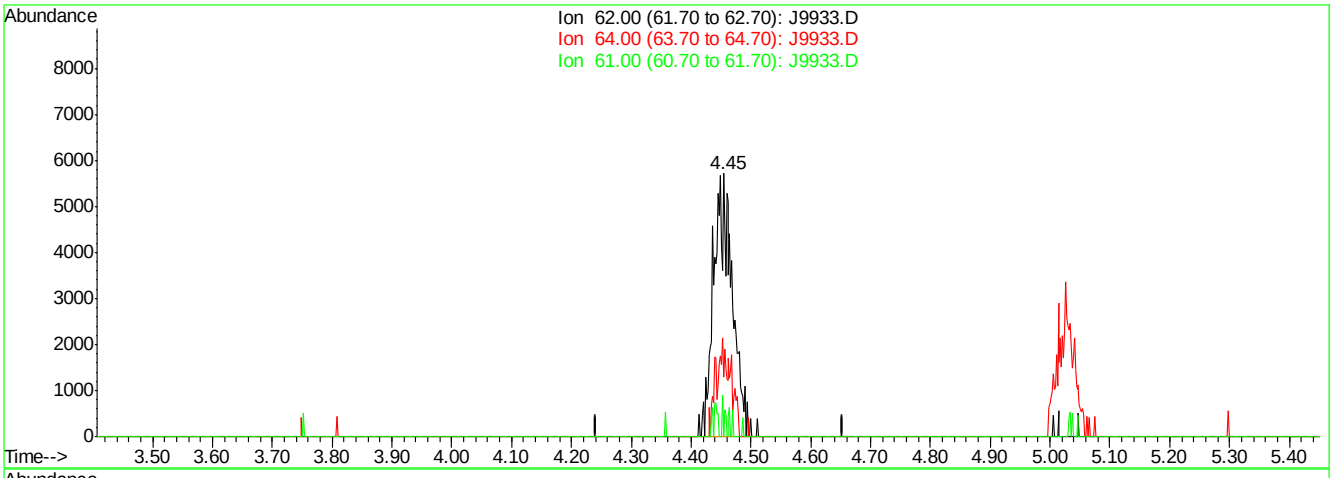
J9933.D J040407T.M Thu Apr 05 16:36:09 2007

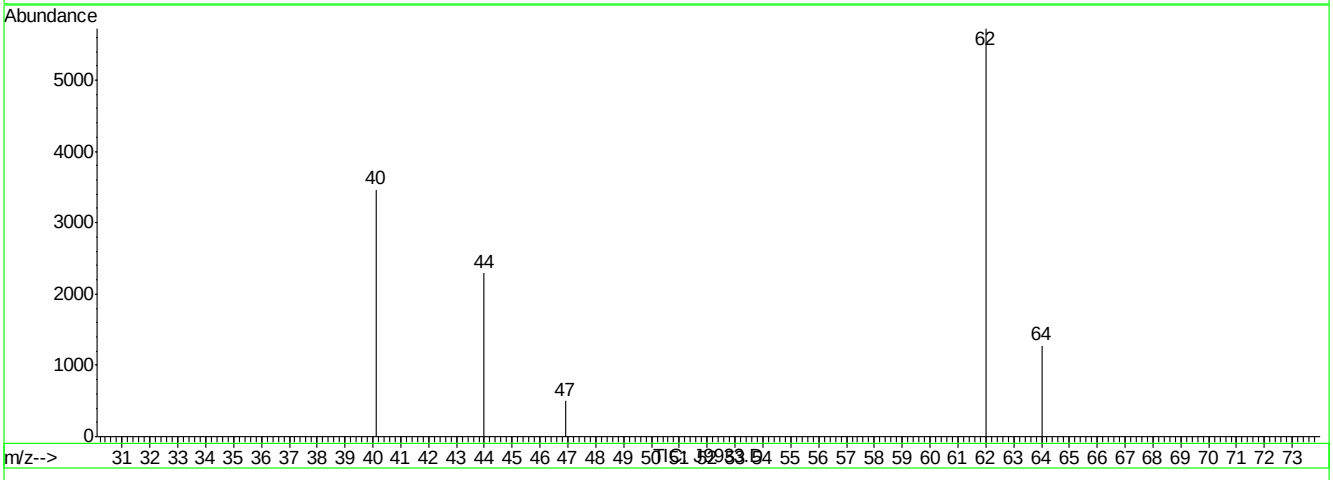
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(6) VINYL CHLORIDE (m)

4.45min 0.48PPBV m

response 12315

Ion	Exp%	Act%
62.00	100	100
64.00	32.90	28.70
61.00	8.50	1.70
0.00	0.00	0.00

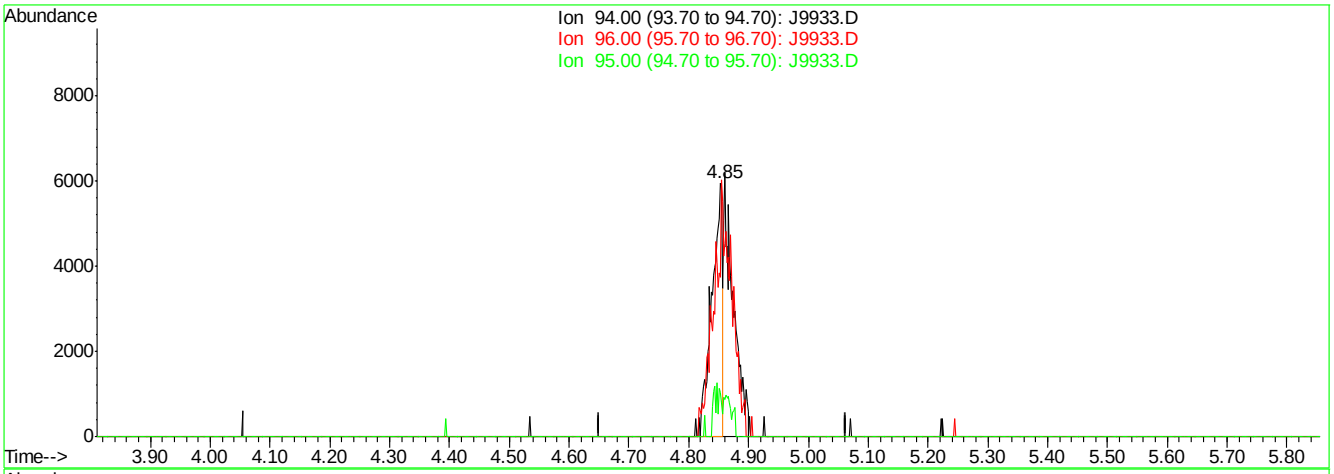
J9933.D J040407T.M Thu Apr 05 16:36:14 2007

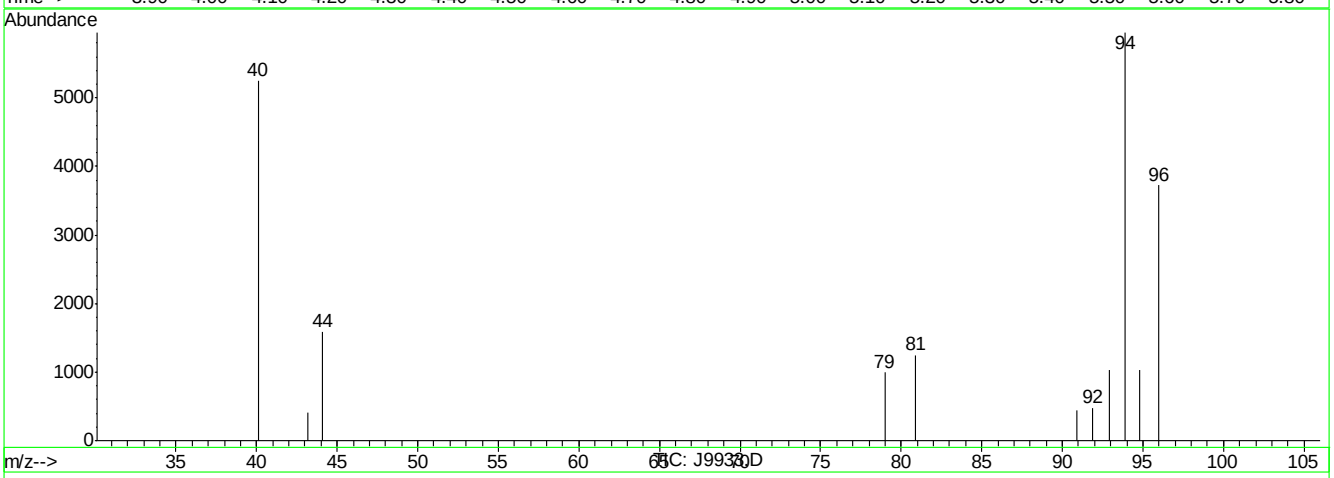
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.85min 0.25PPBV

response 7036

Ion	Exp%	Act%
94.00	100	100
96.00	94.90	175.34#
95.00	15.00	5.29
0.00	0.00	0.00

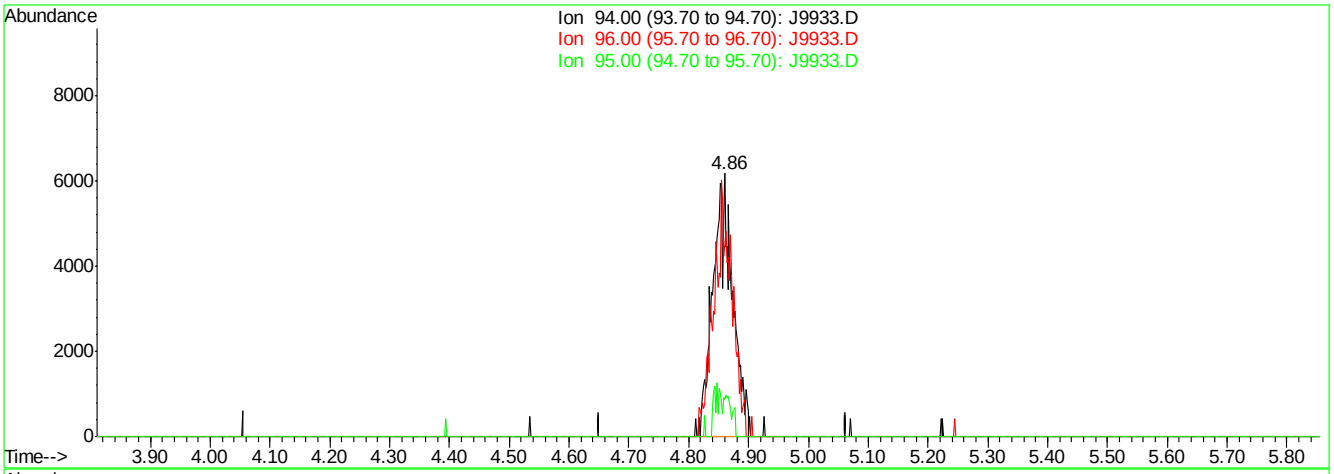
J9933.D J040407T.M Thu Apr 05 16:36:19 2007

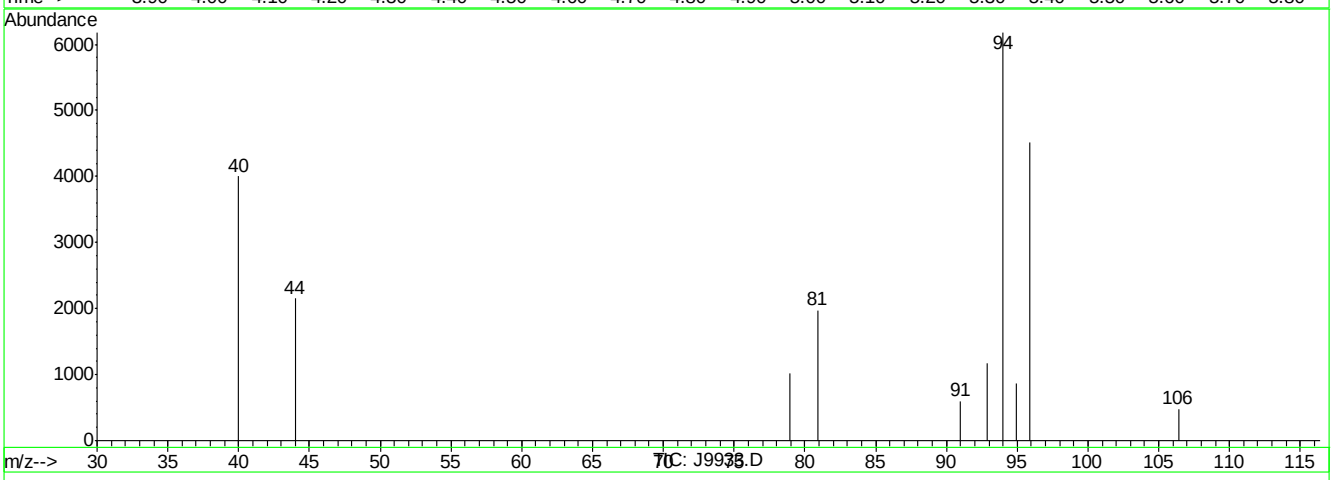
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.86min 0.51PPBV m

response 14164

Ion	Exp%	Act%
94.00	100	100
96.00	94.90	87.10
95.00	15.00	2.63
0.00	0.00	0.00

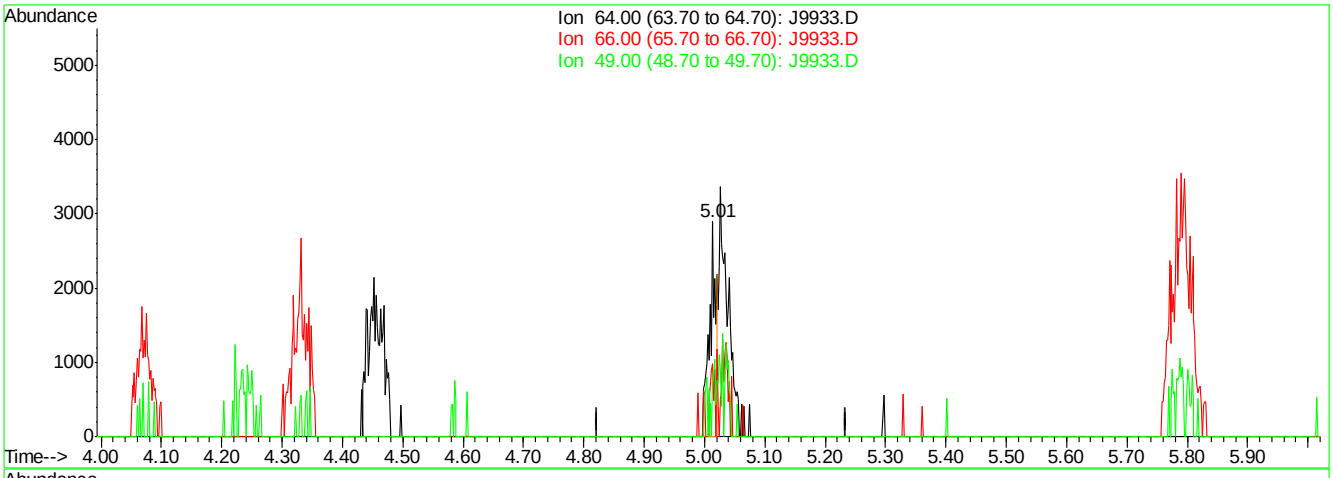
J9933.D J040407T.M Thu Apr 05 16:36:22 2007

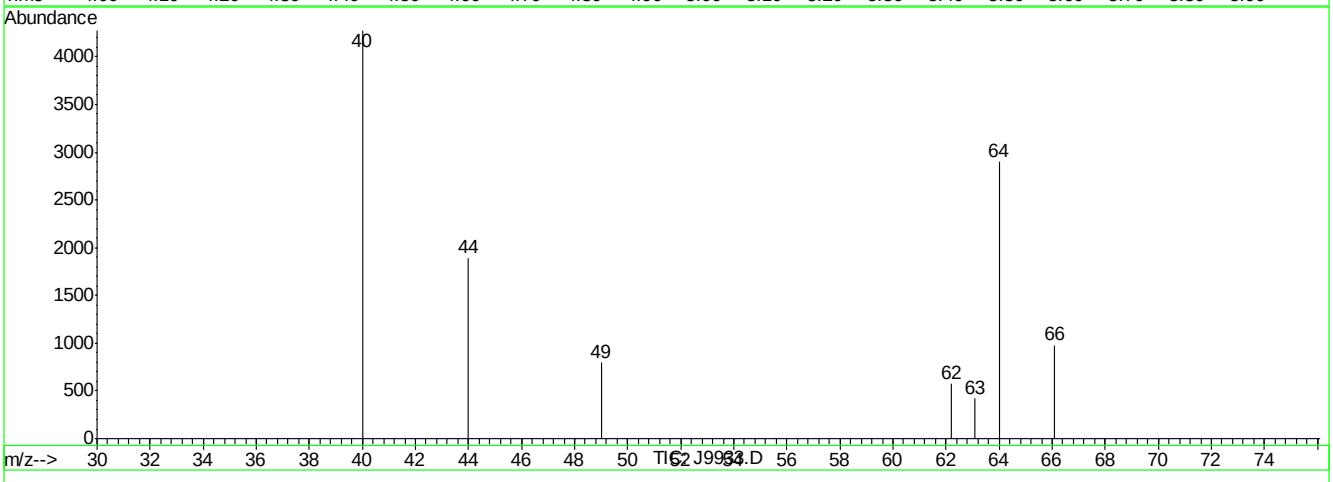
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(9) CHLOROETHANE (m)

5.01min 0.18PPBV

response 2115

Ion	Exp%	Act%
64.00	100	100
66.00	31.80	30.26
49.00	32.50	41.99
0.00	0.00	0.00

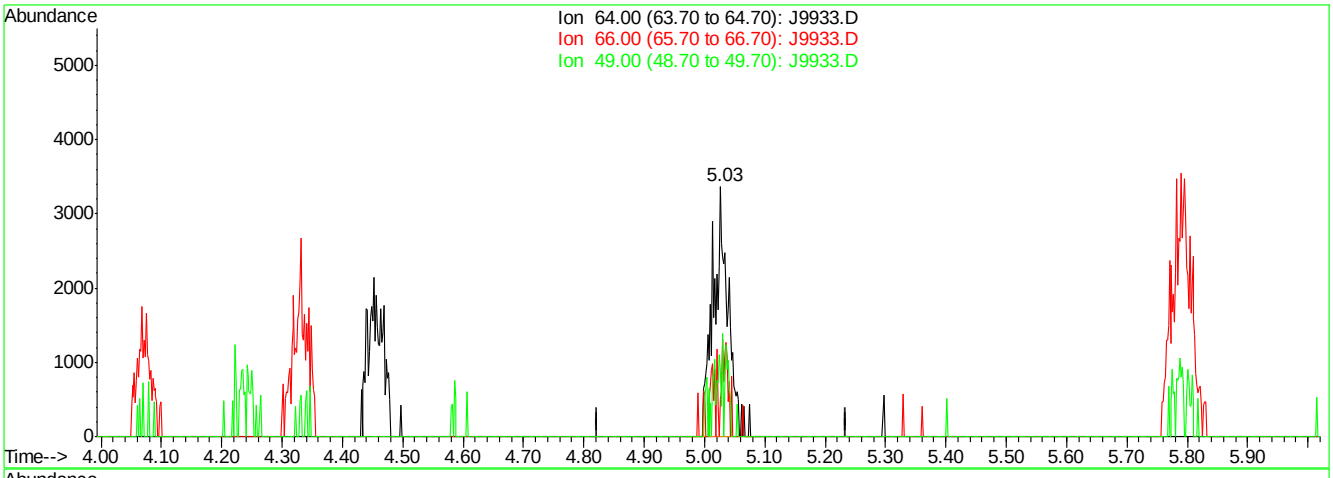
J9933.D J040407T.M Thu Apr 05 16:36:25 2007

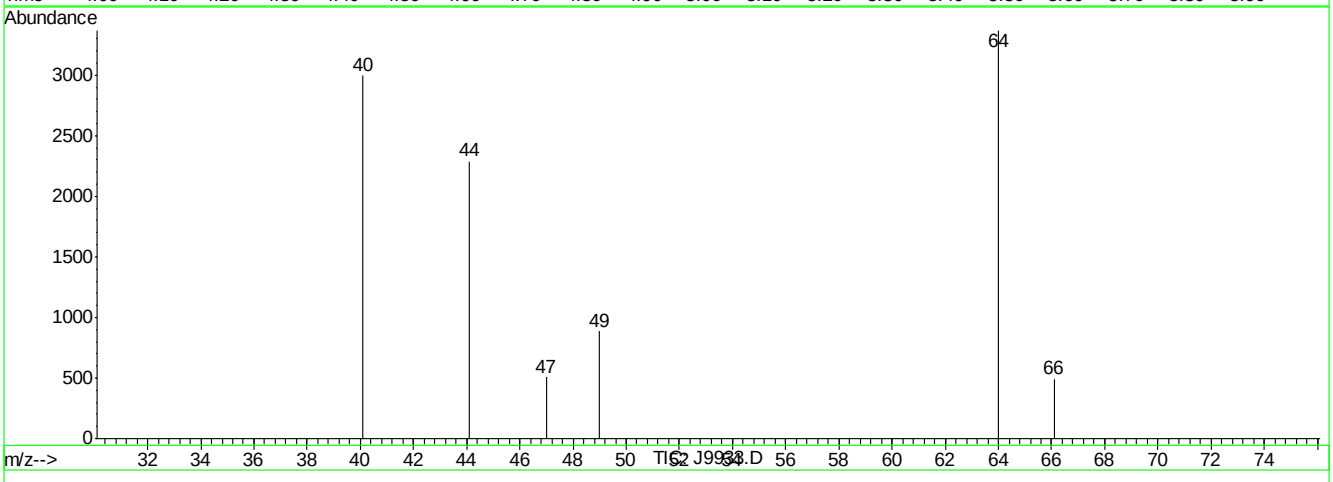
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(9) CHLOROETHANE (m)

5.03min 0.49PPBV m

response 5661

Ion	Exp%	Act%
64.00	100	100
66.00	31.80	11.31#
49.00	32.50	15.69
0.00	0.00	0.00

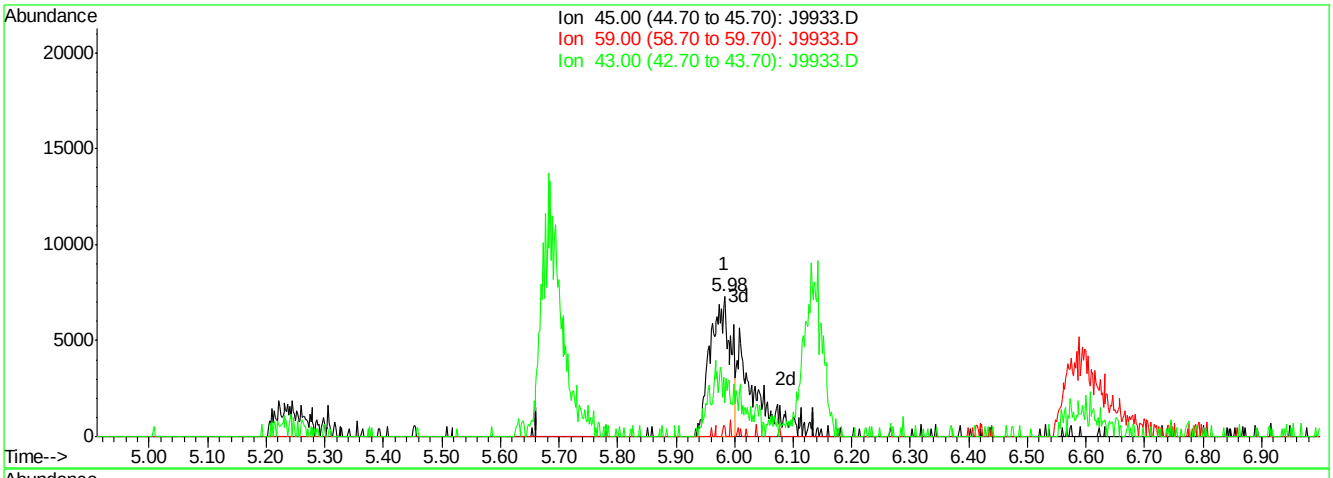
J9933.D J040407T.M Thu Apr 05 16:36:29 2007

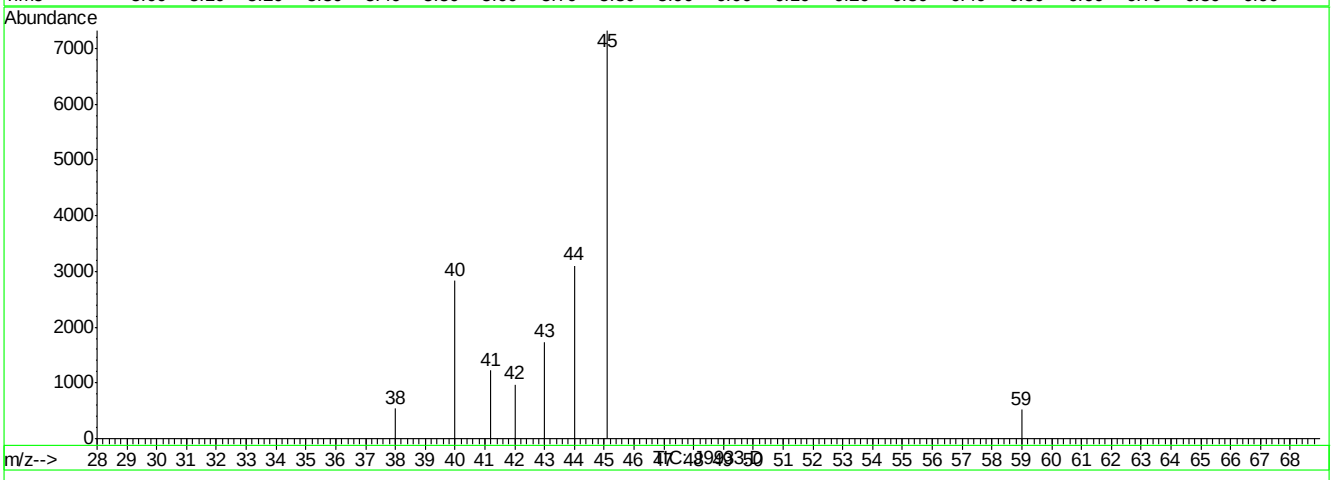
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.98min 0.42PPBV

response 17129

Ion	Exp%	Act%
45.00	100	100
59.00	3.50	7.05
43.00	19.80	23.68
0.00	0.00	0.00

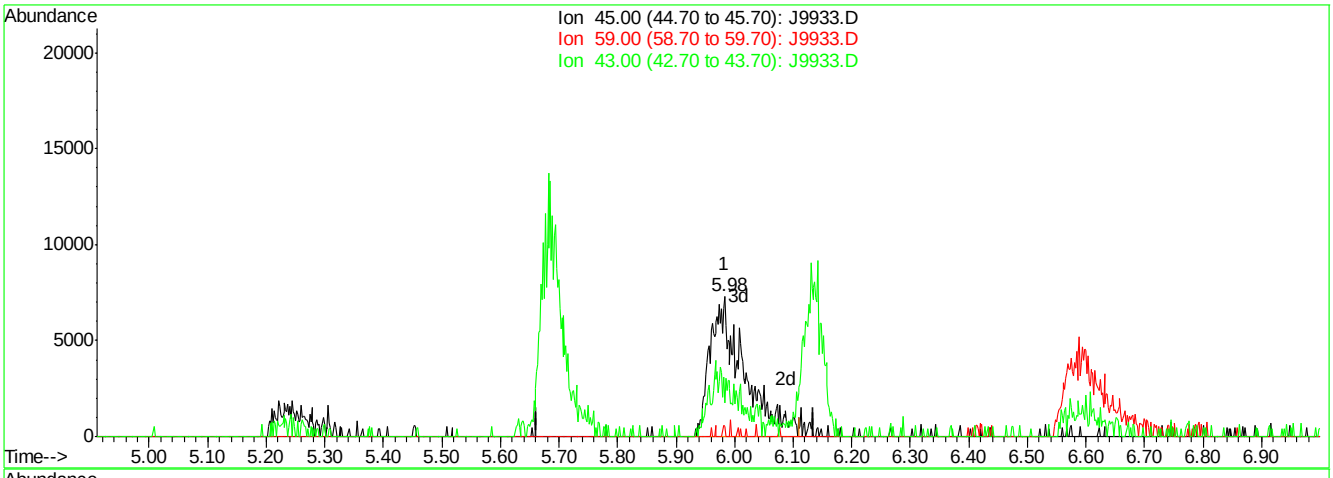
J9933.D J040407T.M Thu Apr 05 16:36:32 2007

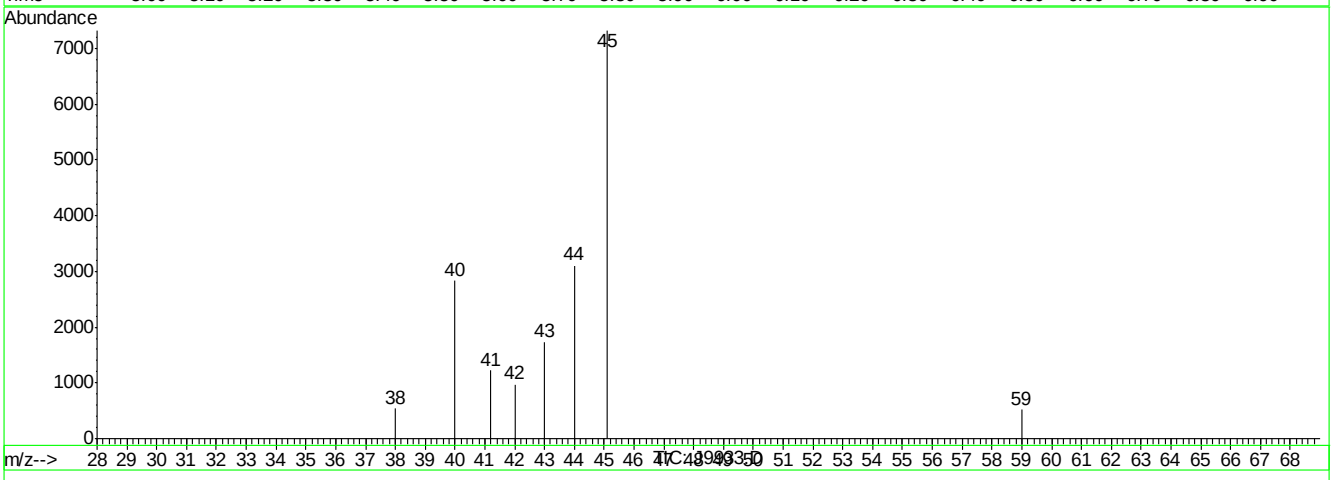
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.98min 0.70PPBV m

response 28991

Ion	Exp%	Act%
45.00	100	100
59.00	3.50	7.05
43.00	19.80	23.68
0.00	0.00	0.00

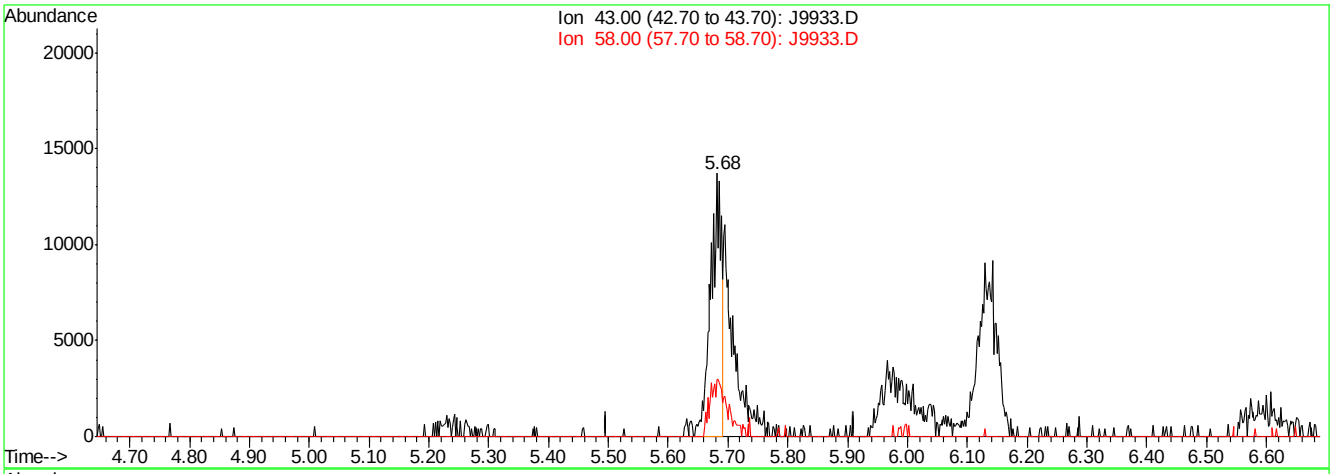
J9933.D J040407T.M Thu Apr 05 16:36:38 2007

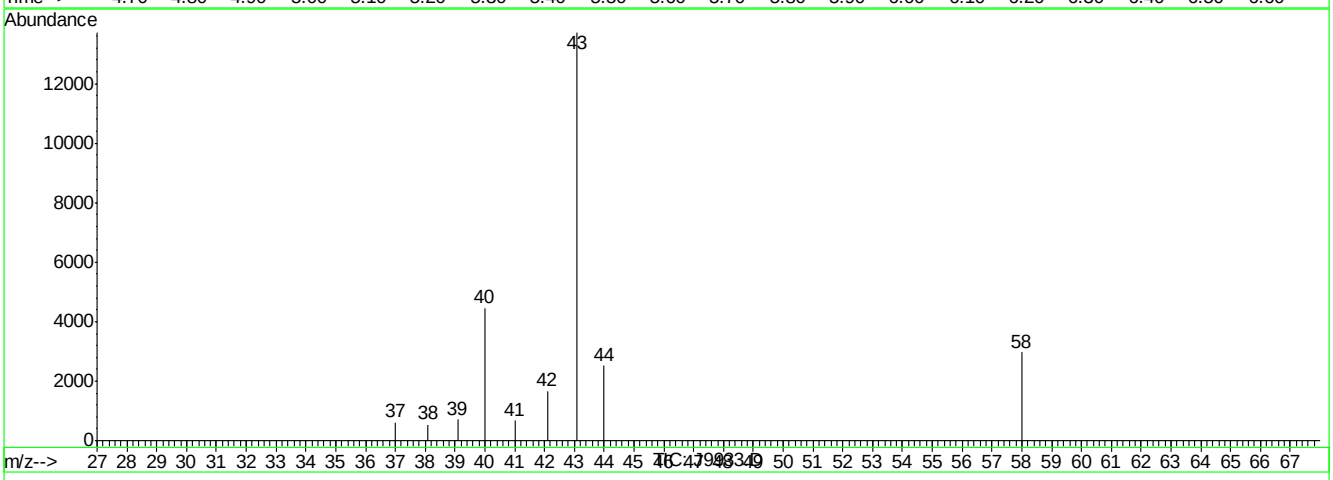
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.68min 0.39PPBV

response 16503

Ion	Exp%	Act%
43.00	100	100
58.00	24.70	13.46
0.00	0.00	0.00
0.00	0.00	0.00

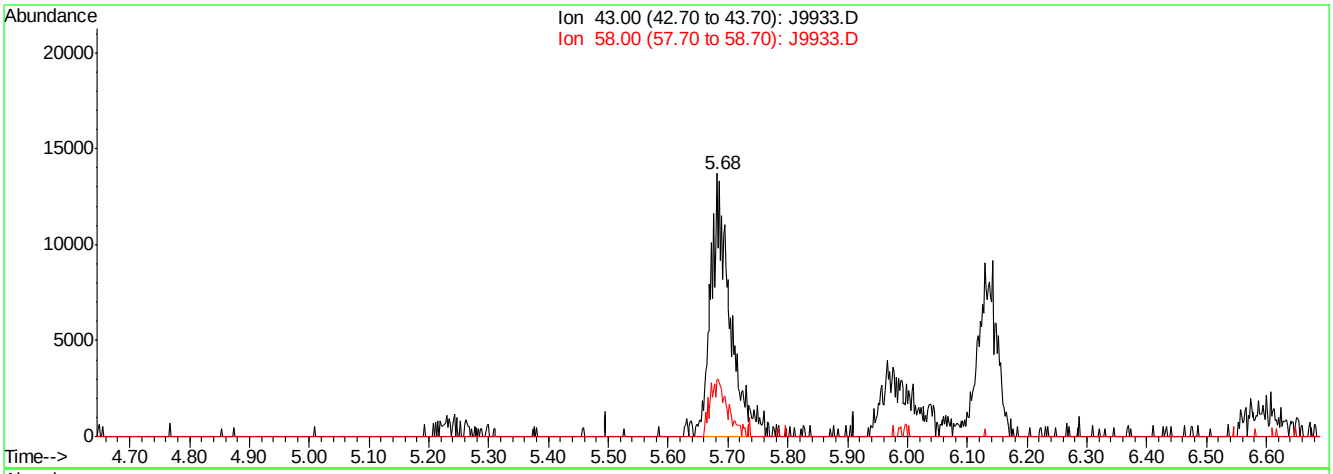
J9933.D J040407T.M Thu Apr 05 16:36:42 2007

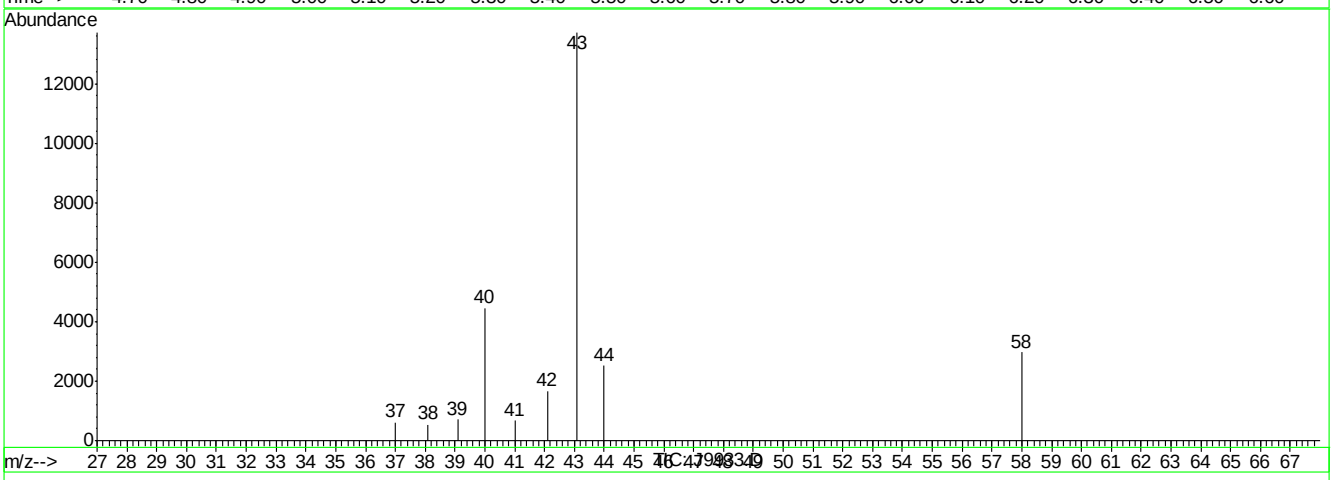
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.68min 0.71PPBV m

response 30086

Ion	Exp%	Act%
43.00	100	100
58.00	24.70	7.39
0.00	0.00	0.00
0.00	0.00	0.00

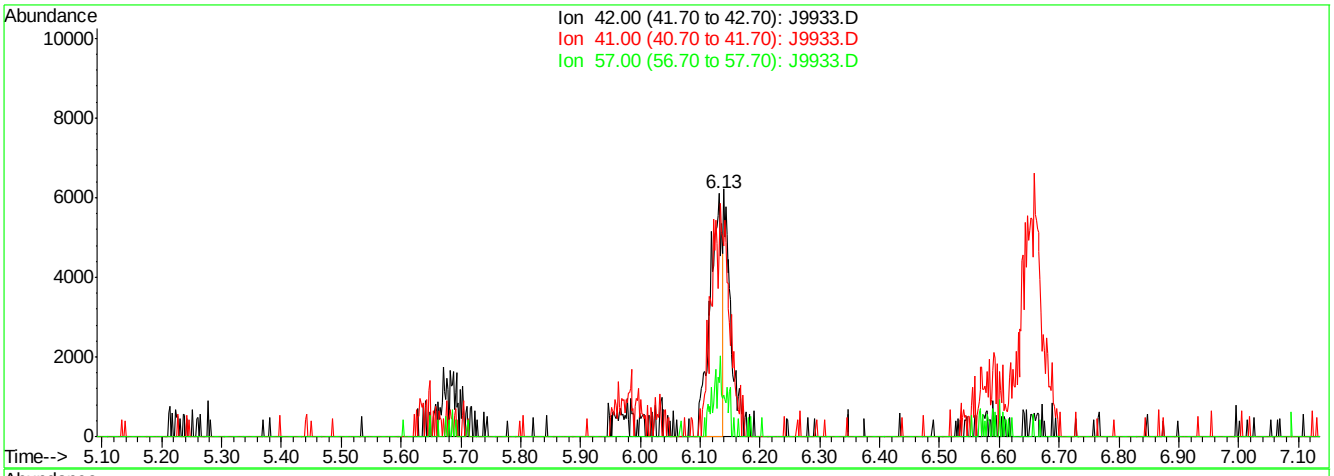
J9933.D J040407T.M Thu Apr 05 16:36:46 2007

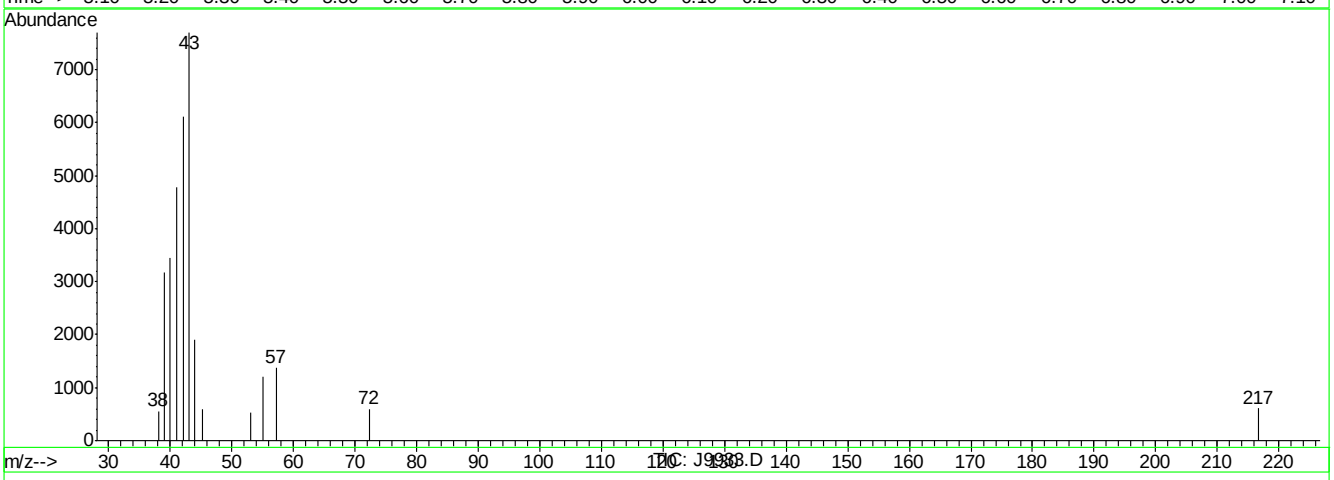
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.13min 0.33PPBV

response 8287

Ion	Exp%	Act%
42.00	100	100
41.00	100.70	62.41#
57.00	26.60	24.47
0.00	0.00	0.00

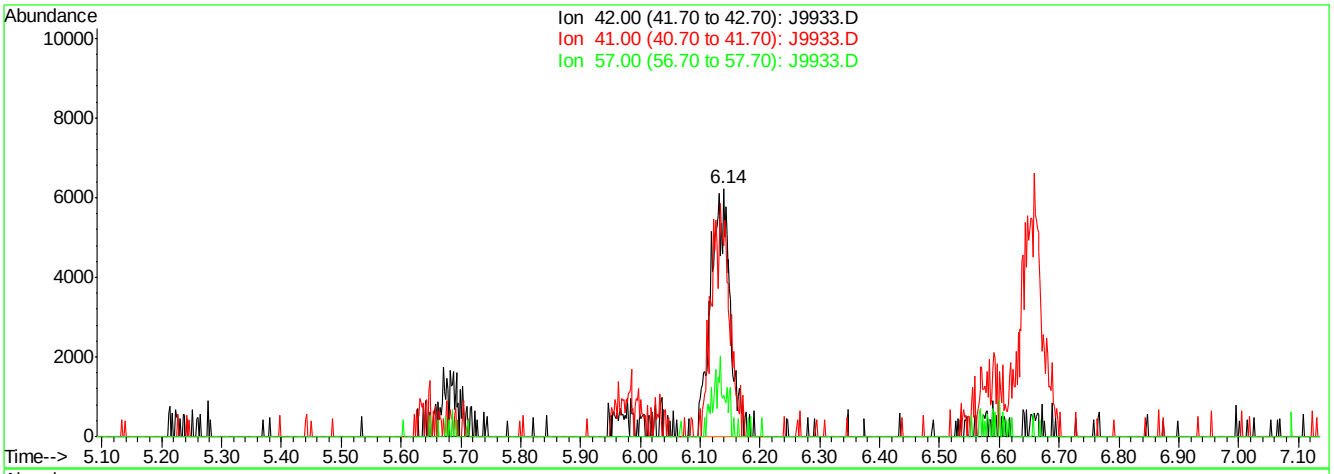
J9933.D J040407T.M Thu Apr 05 16:36:49 2007

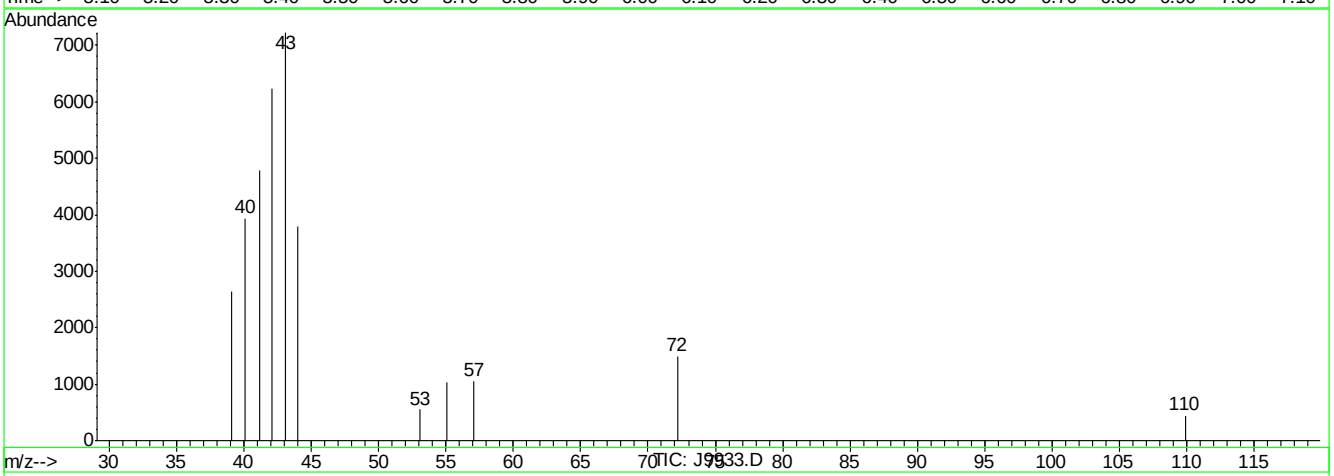
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.14min 0.56PPBV m

response 13955

Ion	Exp%	Act%
42.00	100	100
41.00	100.70	37.06#
57.00	26.60	14.53
0.00	0.00	0.00

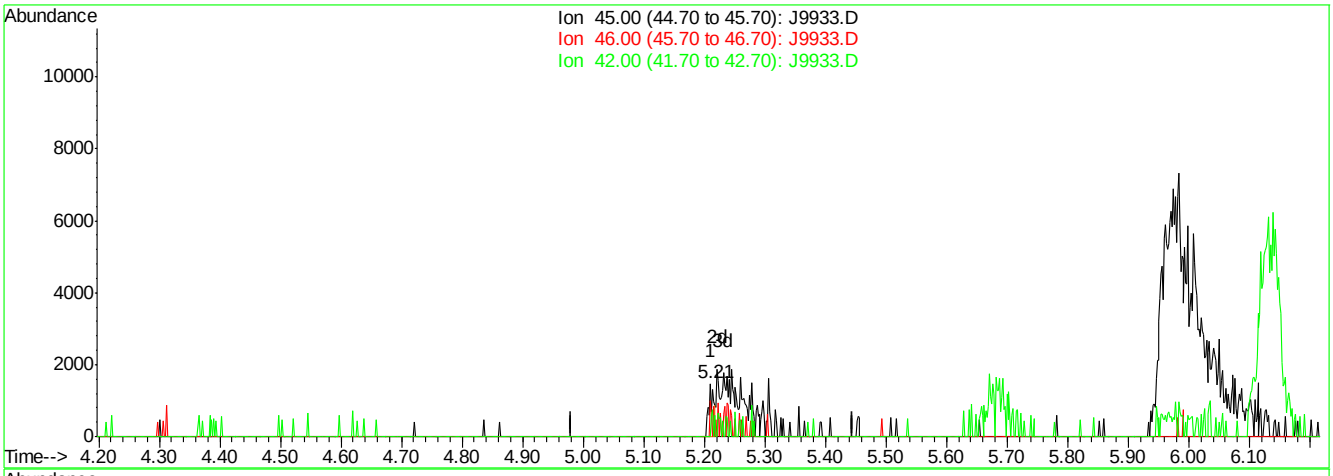
J9933.D J040407T.M Thu Apr 05 16:36:52 2007

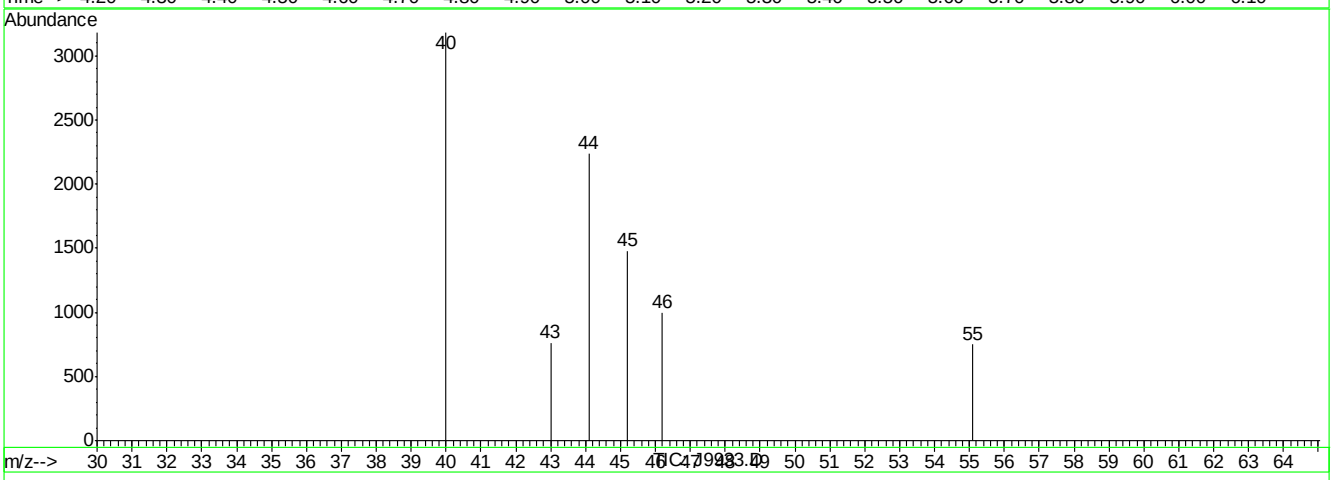
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.21min 0.11PPBV

response 859

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	30.38
42.00	1.50	44.82#
0.00	0.00	0.00

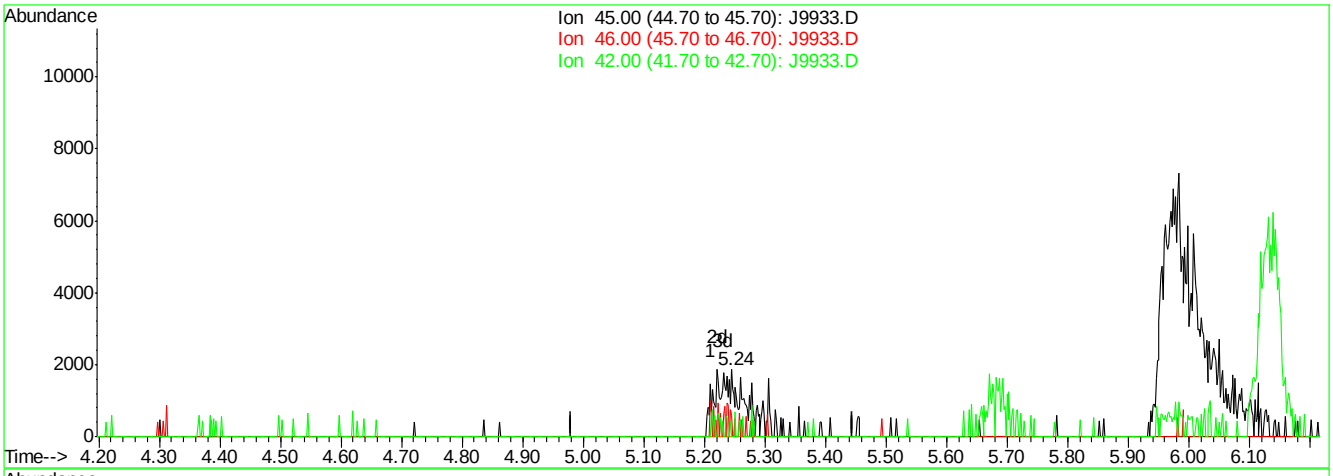
J9933.D J040407T.M Thu Apr 05 16:36:56 2007

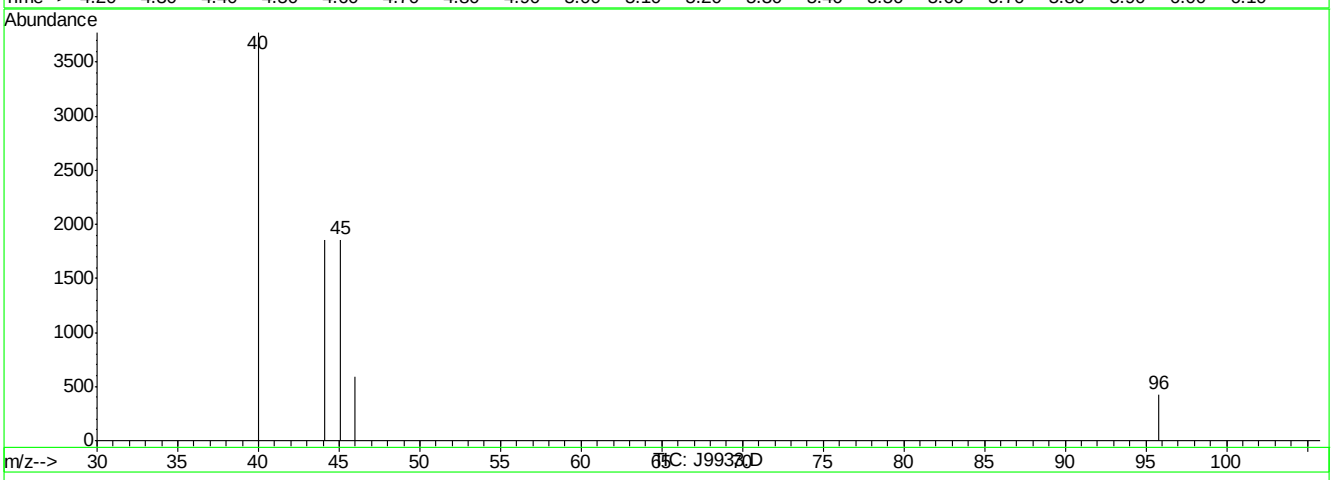
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.24min 0.84PPBV m

response 6429

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	4.06#
42.00	1.50	5.99
0.00	0.00	0.00

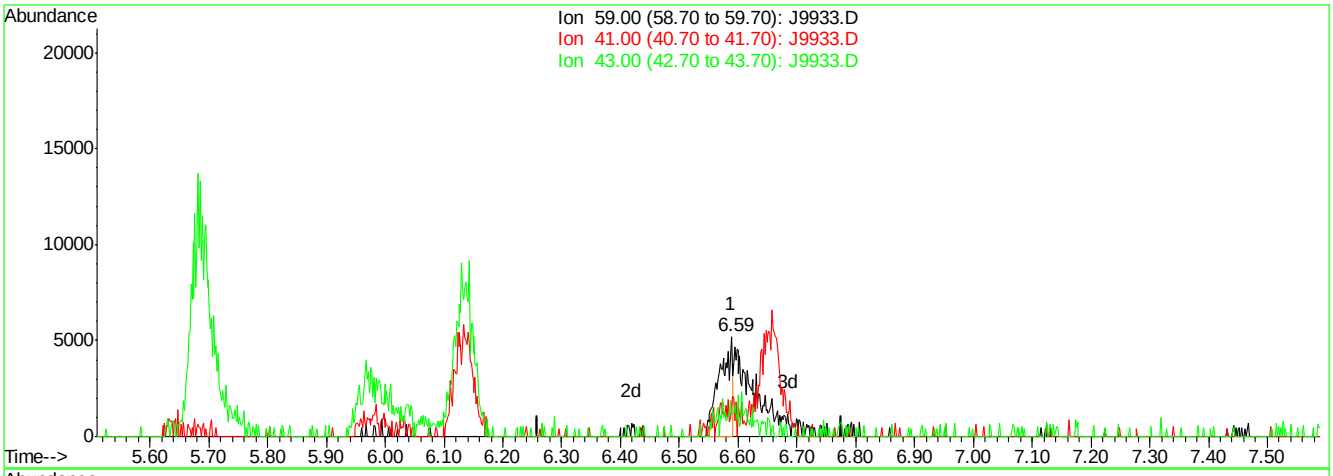
J9933.D J040407T.M Thu Apr 05 16:37:03 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.59min 0.16PPBV

response 7707

Ion	Exp%	Act%
59.00	100	100
41.00	7.90	21.76
43.00	16.20	0.00
0.00	0.00	0.00

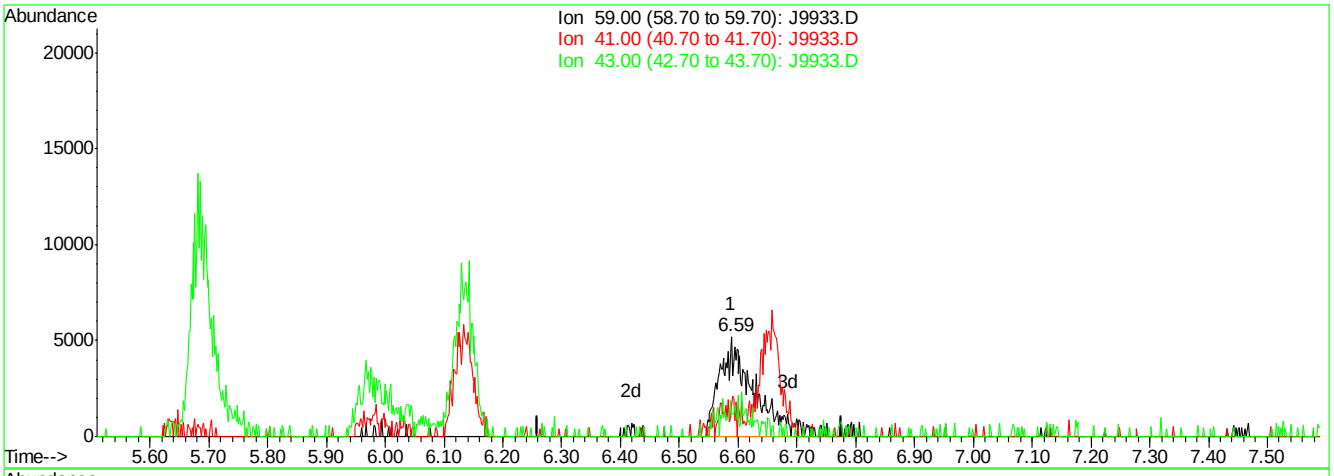
J9933.D J040407T.M Thu Apr 05 16:37:09 2007

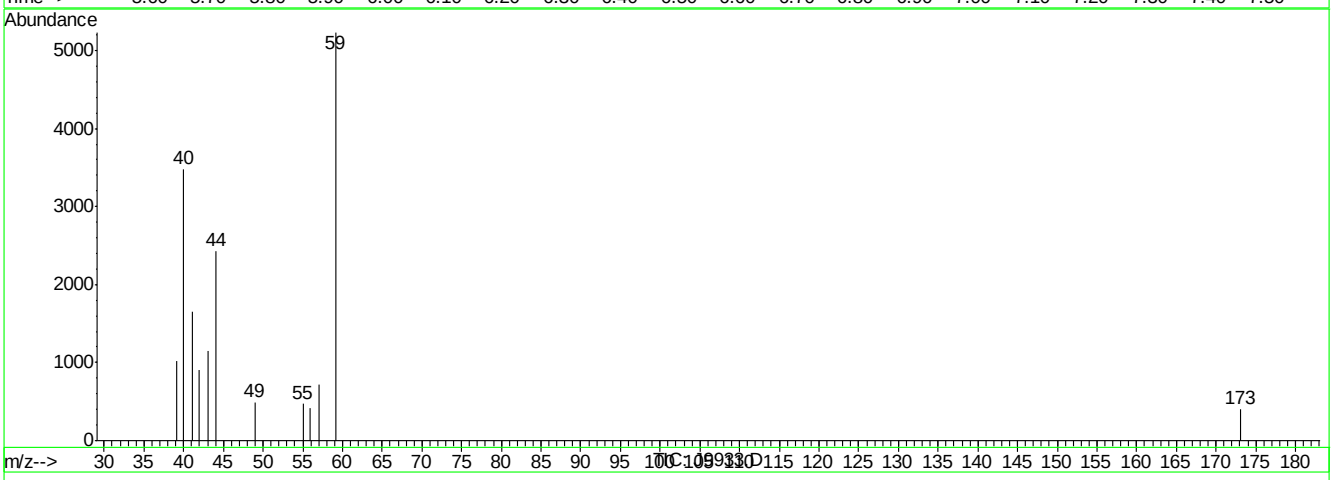
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.59min 0.44PPBV m

response 21097

Ion	Exp%	Act%
59.00	100	100
41.00	7.90	7.95
43.00	16.20	0.00
0.00	0.00	0.00

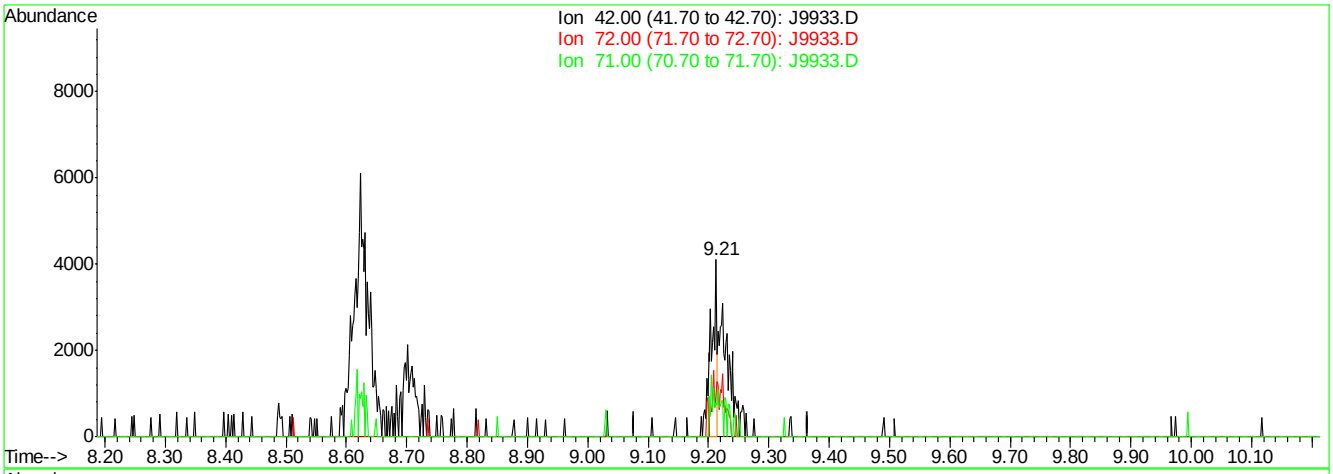
J9933.D J040407T.M Thu Apr 05 16:37:12 2007

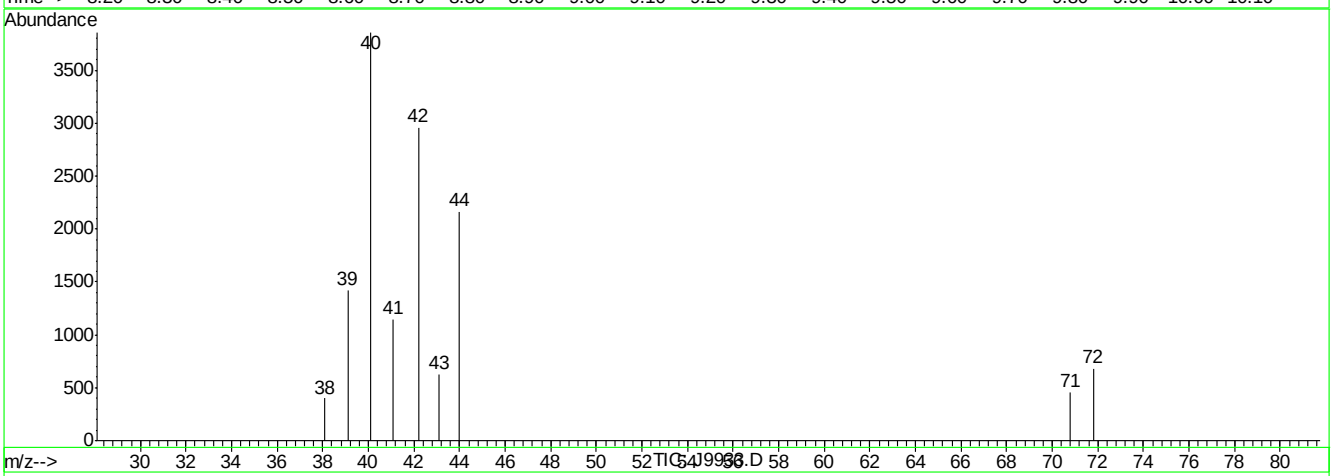
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.20min 0.14PPBV

response 2703

Ion	Exp%	Act%
42.00	100	100
72.00	43.80	65.63#
71.00	42.90	45.36
0.00	0.00	0.00

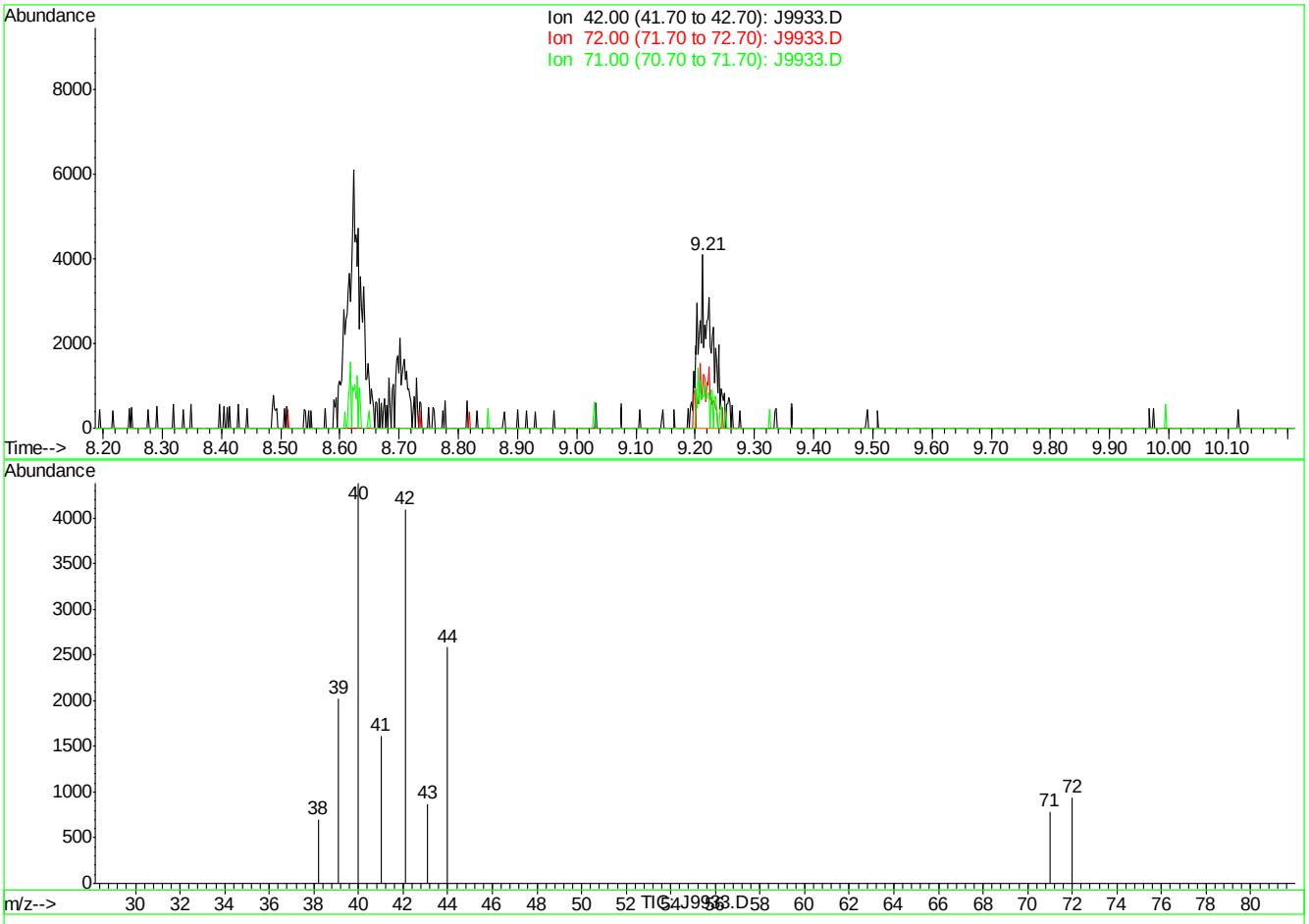
J9933.D J040407T.M Thu Apr 05 16:37:15 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.21min 0.35PPBV m

response 6631

Ion	Exp%	Act%
42.00	100	100
72.00	43.80	26.75
71.00	42.90	18.49#
0.00	0.00	0.00

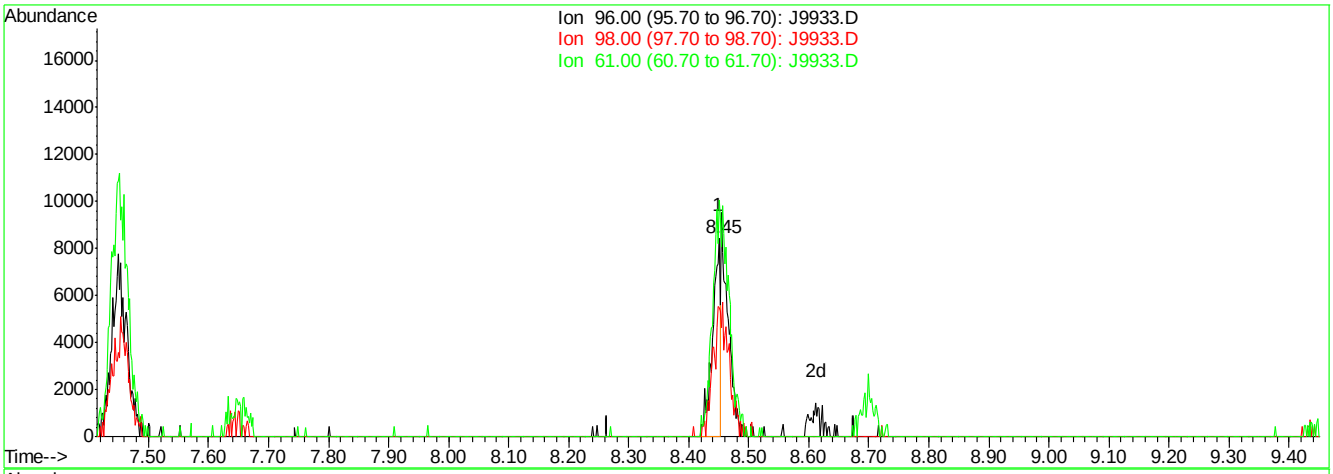
J9933.D J040407T.M Thu Apr 05 16:37:19 2007

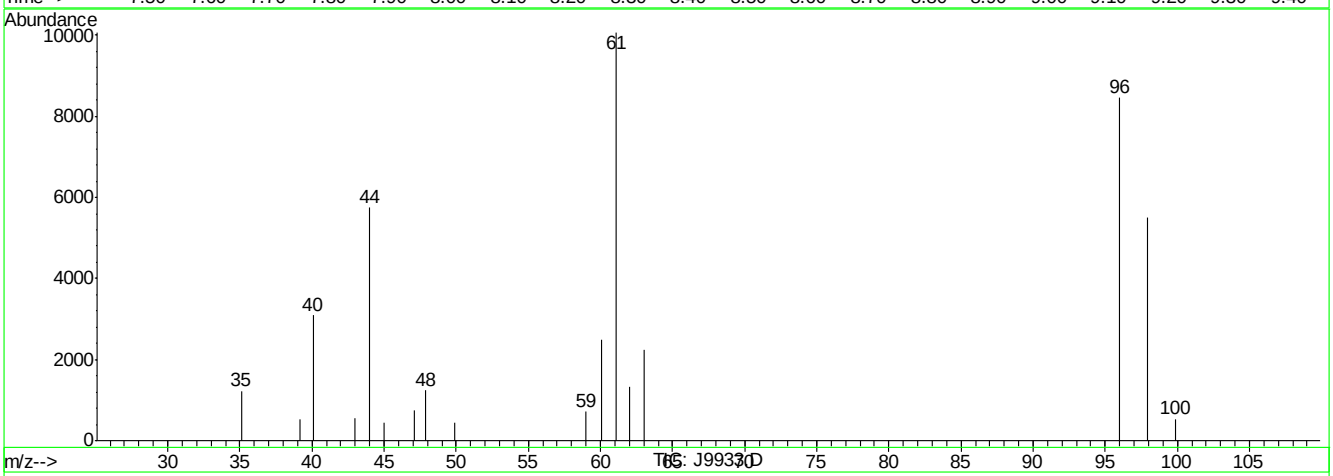
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(29) cis-1,2-DICHLOROETHYLENE (m)

8.45min 0.22PPBV

response 7358

Ion	Exp%	Act%
96.00	100	100
98.00	63.90	137.37#
61.00	123.30	255.90#
0.00	0.00	0.00

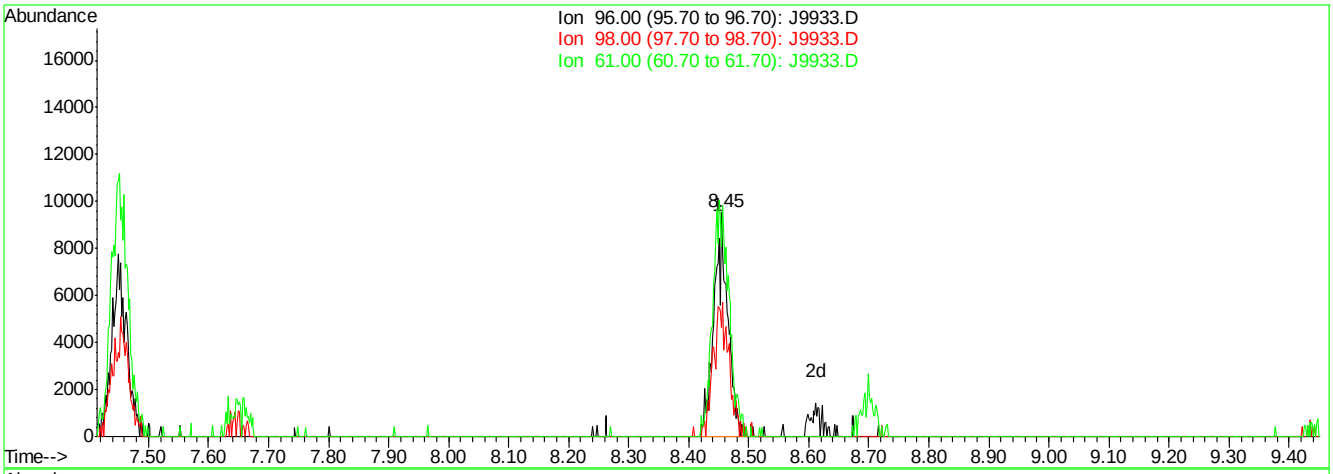
J9933.D J040407T.M Thu Apr 05 16:37:25 2007

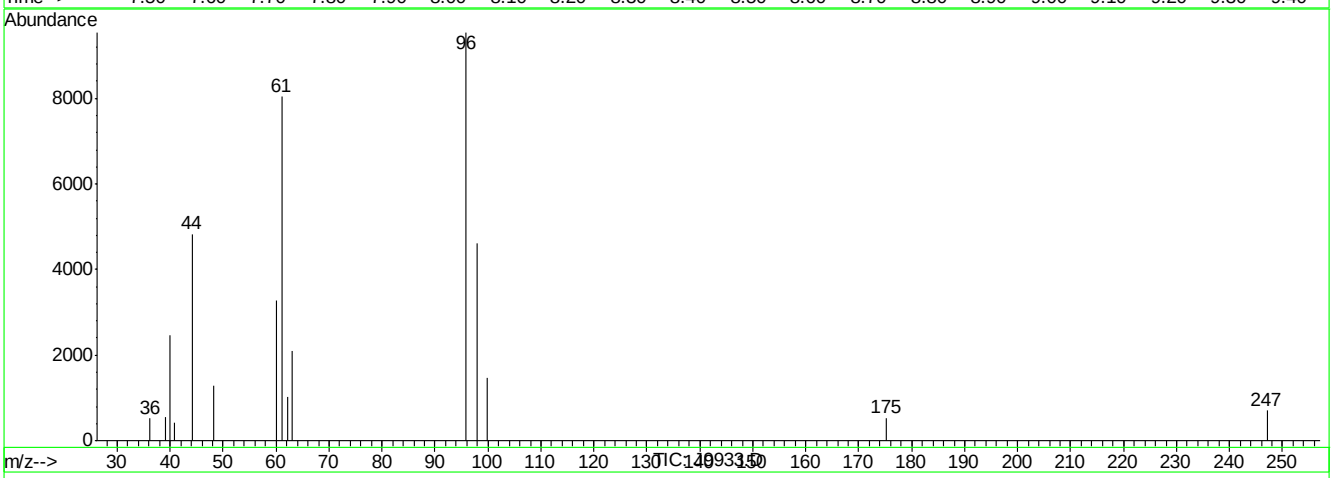
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(29) cis-1,2-DICHLOROETHYLENE (m)

8.45min 0.45PPBV m

response 15353

Ion	Exp%	Act%
96.00	100	100
98.00	63.90	65.84
61.00	123.30	122.64
0.00	0.00	0.00

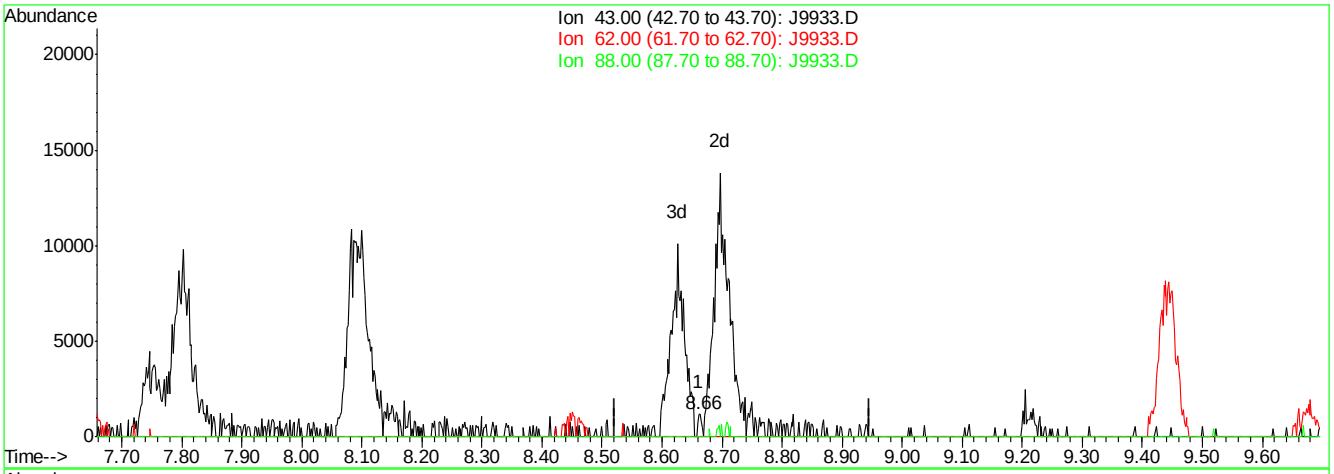
J9933.D J040407T.M Thu Apr 05 16:37:28 2007

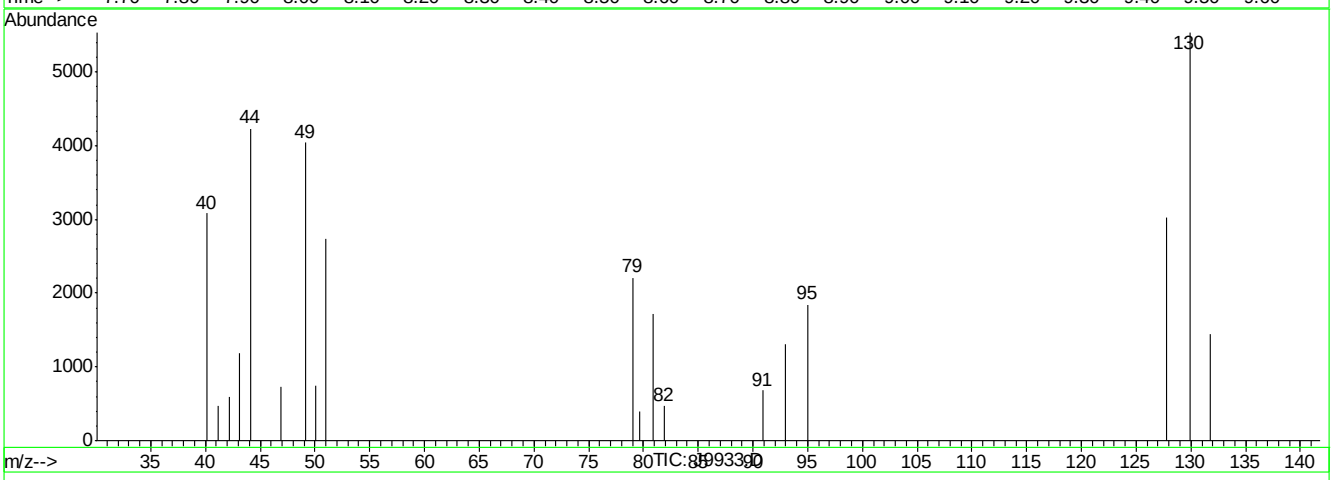
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(30) ETHYL ACETATE (m)

8.66min 0.01PPBV

response 467

Ion	Exp%	Act%
43.00	100	100
62.00	0.10	0.00
88.00	4.30	10.06
0.00	0.00	0.00

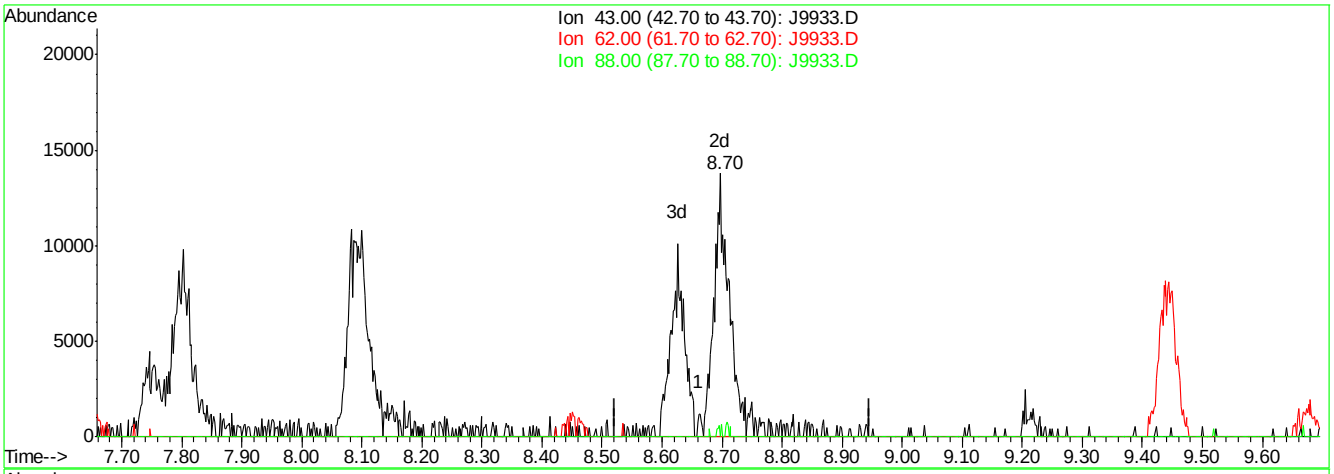
J9933.D J040407T.M Thu Apr 05 16:37:33 2007

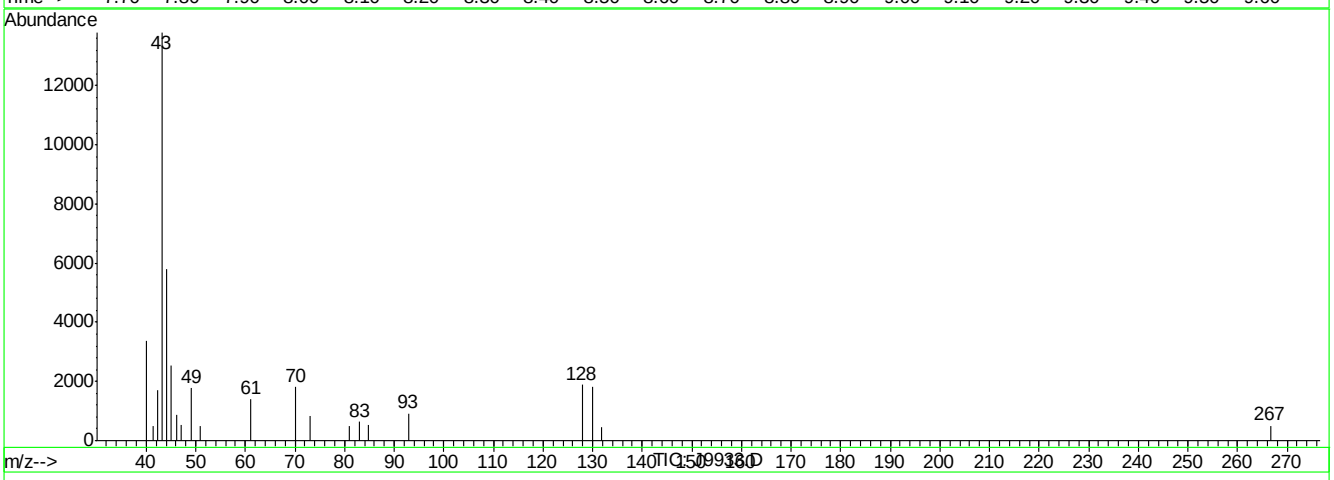
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(30) ETHYL ACETATE (m)

8.70min 0.50PPBV m

response 23213

Ion	Exp%	Act%
43.00	100	100
62.00	0.10	0.00
88.00	4.30	0.20
0.00	0.00	0.00

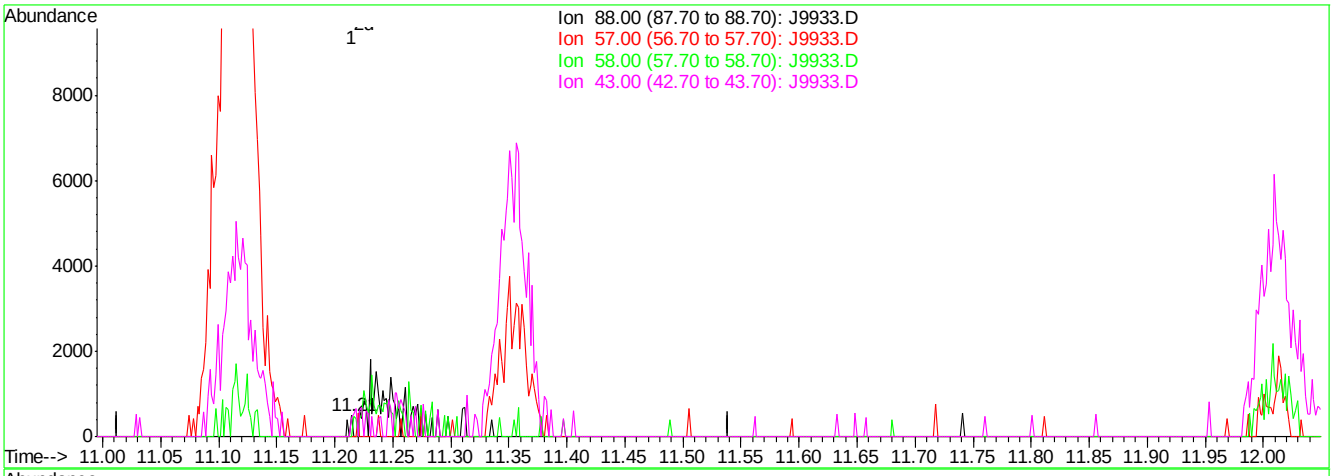
J9933.D J040407T.M Thu Apr 05 16:37:39 2007

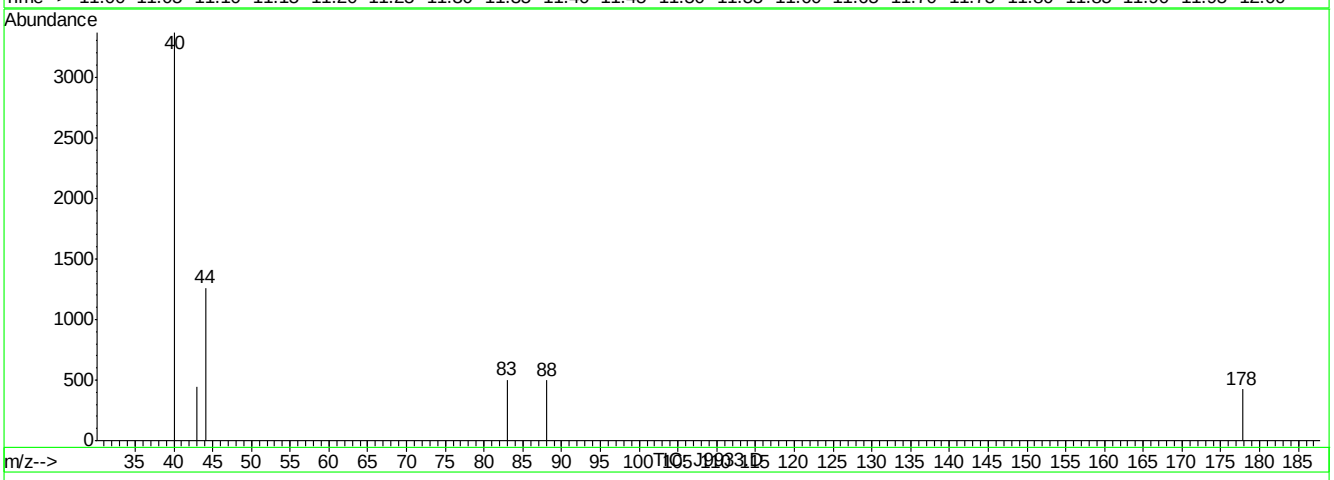
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.21min 0.01PPBV

response 96

Ion	Exp%	Act%
88.00	100	100
57.00	31.00	0.00#
58.00	60.90	0.00#
43.00	32.20	90.12#

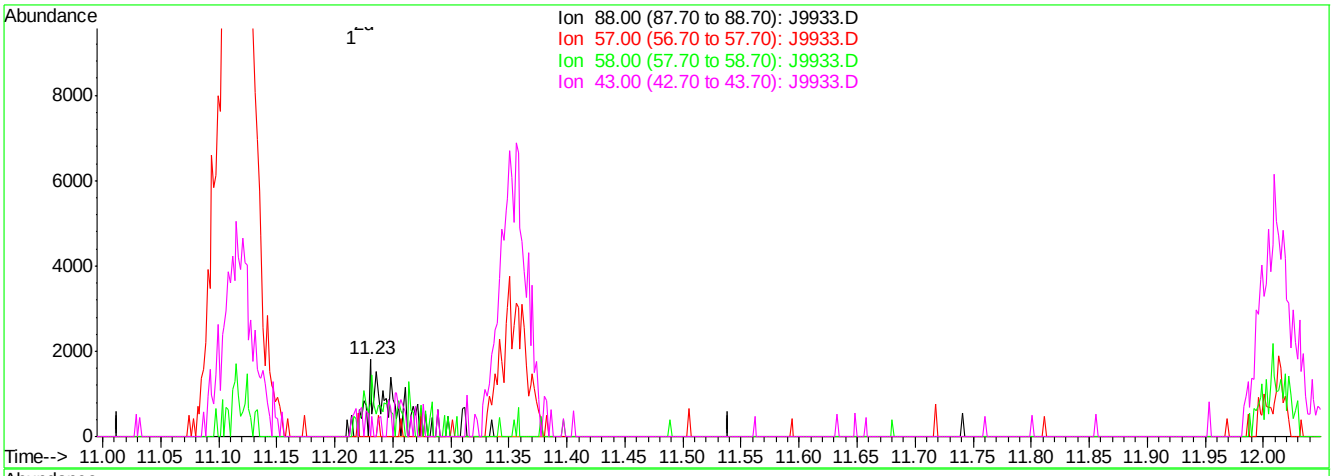
J9933.D J040407T.M Thu Apr 05 16:37:50 2007

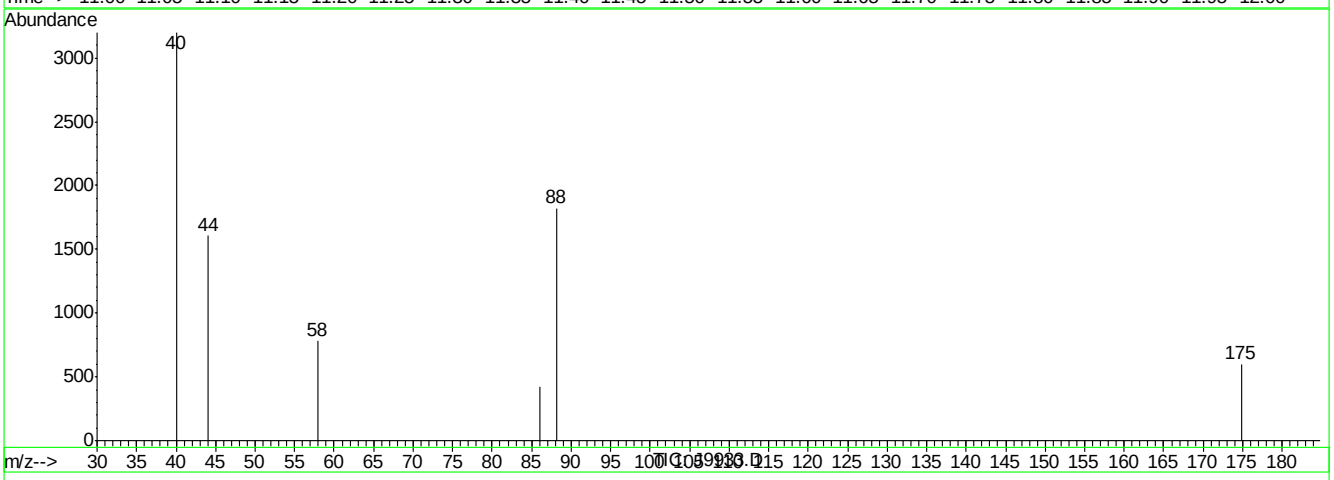
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.23min 0.28PPBV m

response 2735

Ion	Exp%	Act%
88.00	100	100
57.00	31.00	0.00#
58.00	60.90	42.81
43.00	32.20	0.00#

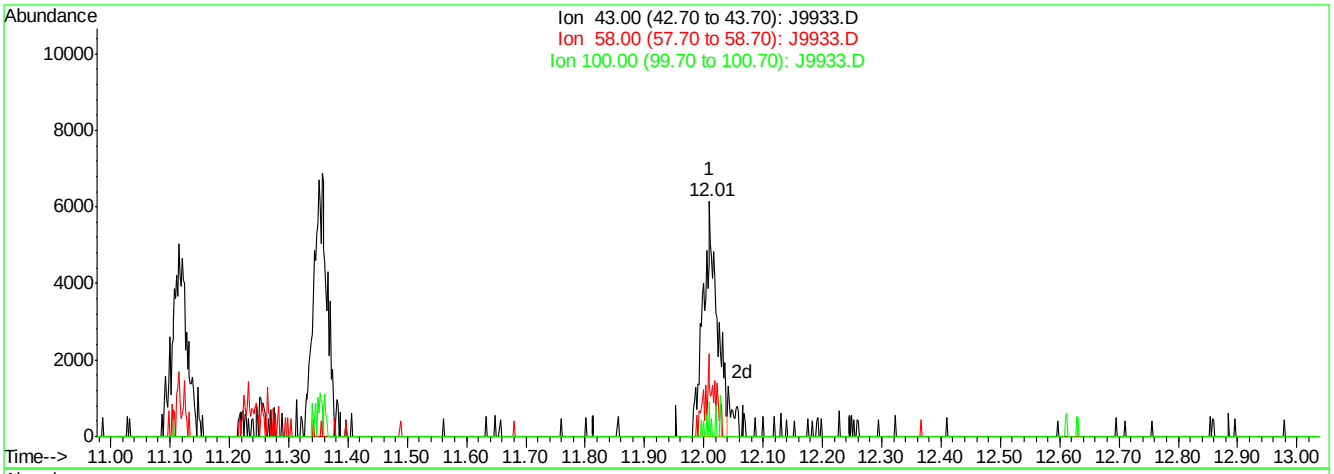
J9933.D J040407T.M Thu Apr 05 16:37:54 2007

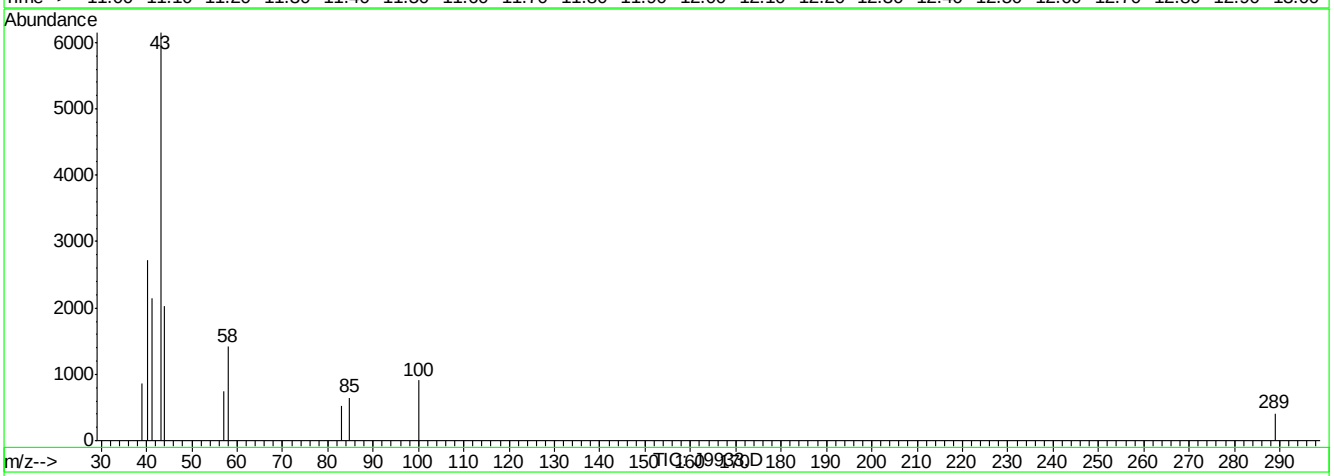
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.01min 0.23PPBV

response 9847

Ion	Exp%	Act%
43.00	100	100
58.00	36.80	24.27
100.00	13.90	3.14
0.00	0.00	0.00

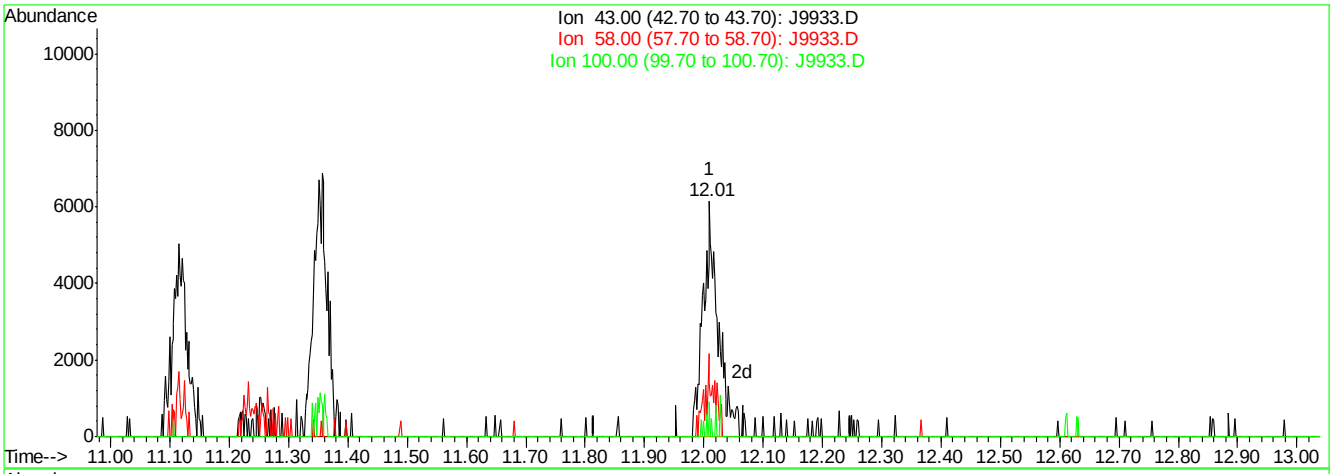
J9933.D J040407T.M Thu Apr 05 16:37:58 2007

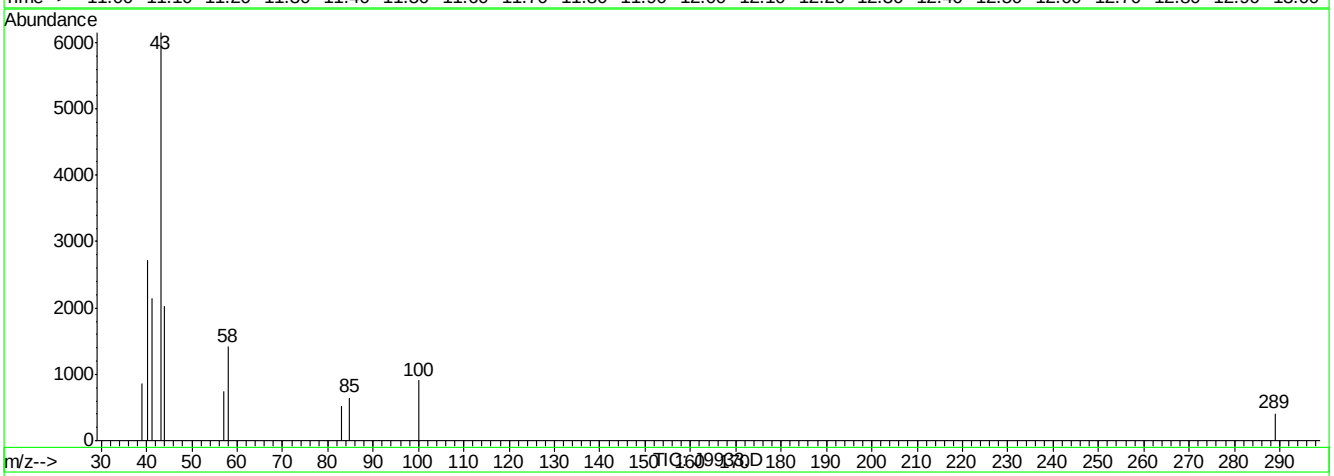
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.01min 0.25PPBV m

response 10816

Ion	Exp%	Act%
43.00	100	100
58.00	36.80	22.10
100.00	13.90	2.86
0.00	0.00	0.00

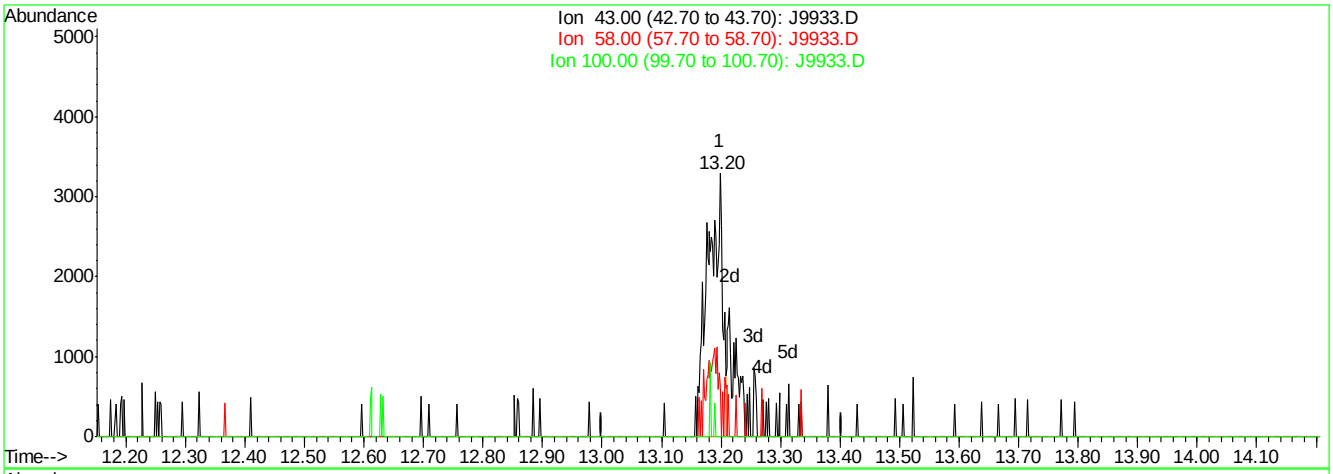
J9933.D J040407T.M Thu Apr 05 16:38:03 2007

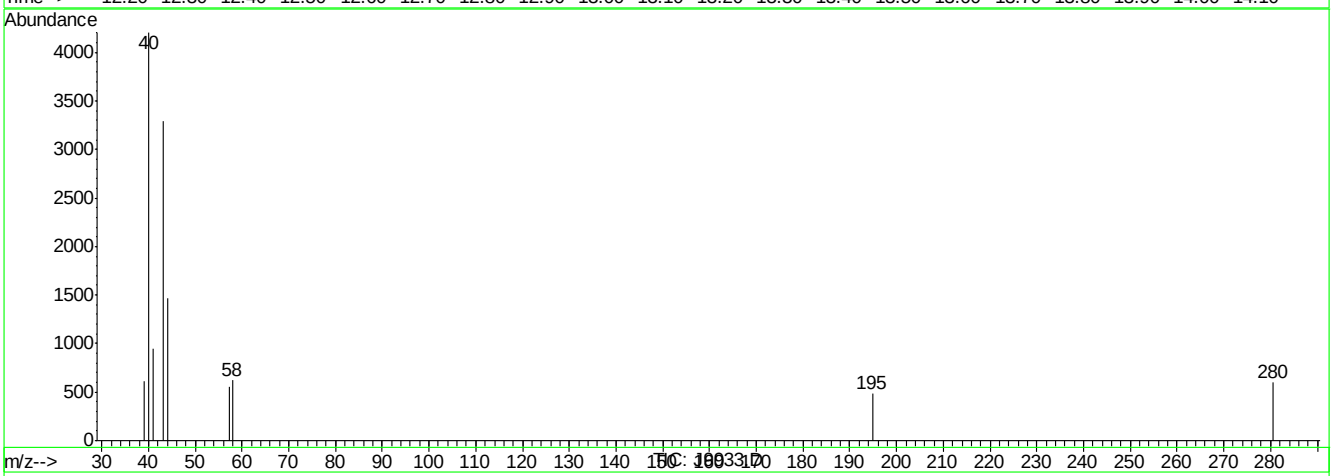
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.20min 0.17PPBV

response 5485

Ion	Exp%	Act%
43.00	100	100
58.00	50.30	28.42#
100.00	9.90	2.61
0.00	0.00	0.00

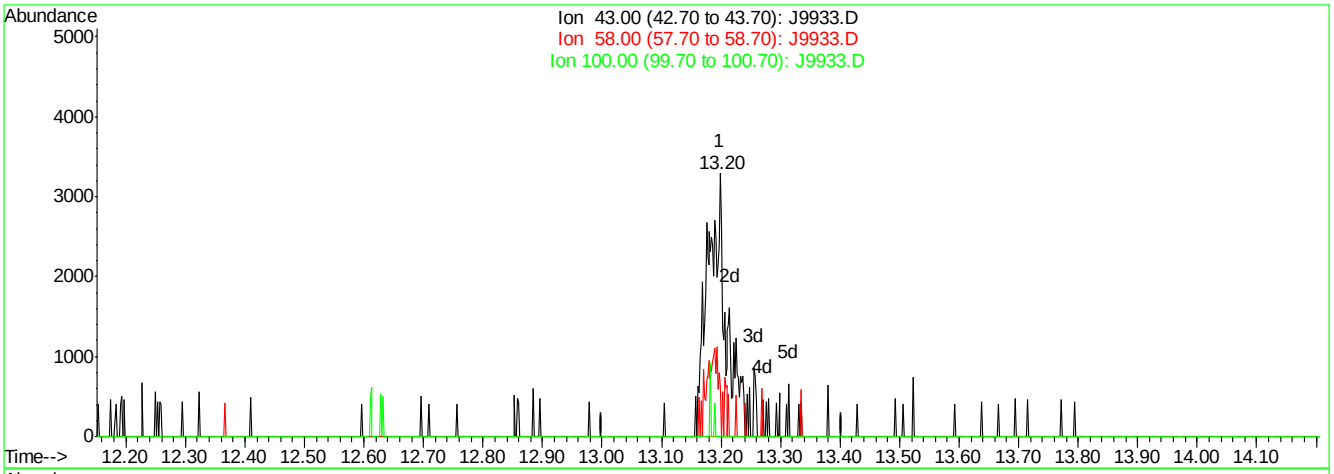
J9933.D J040407T.M Thu Apr 05 16:38:10 2007

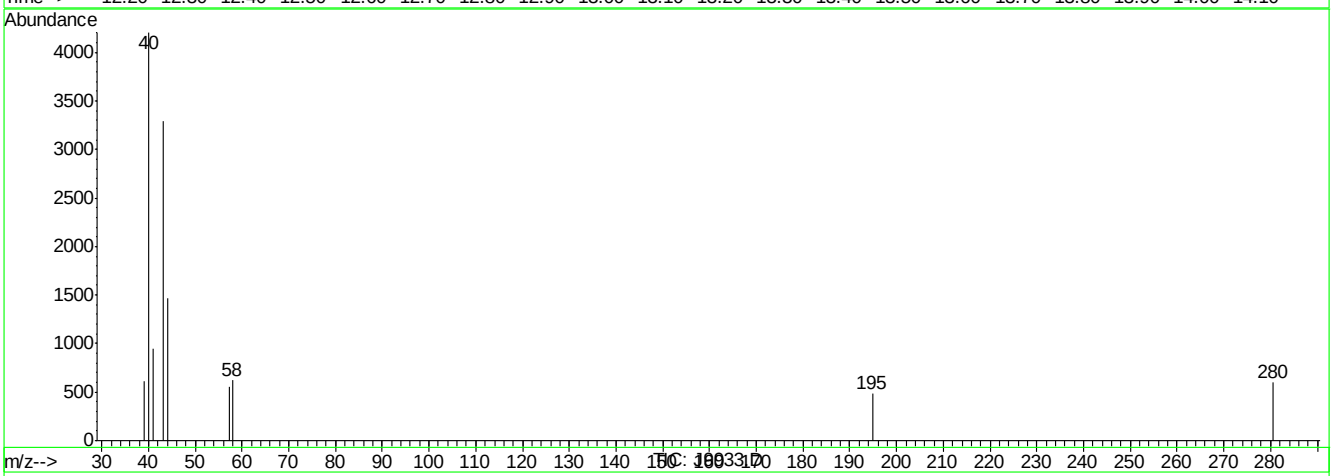
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.20min 0.25PPBV m

response 7928

Ion	Exp%	Act%
43.00	100	100
58.00	50.30	19.66#
100.00	9.90	1.80
0.00	0.00	0.00

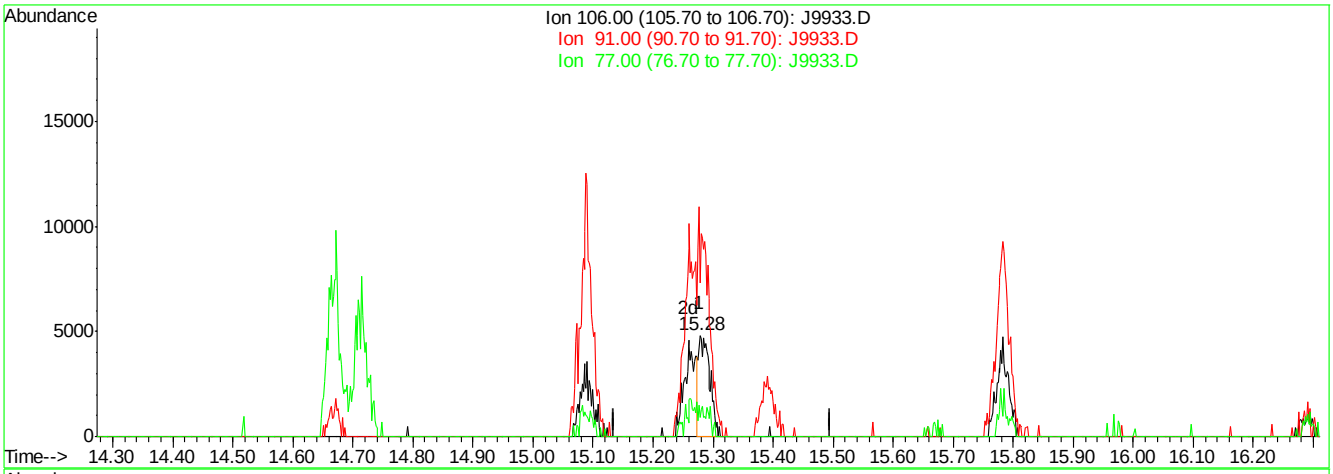
J9933.D J040407T.M Thu Apr 05 16:38:13 2007

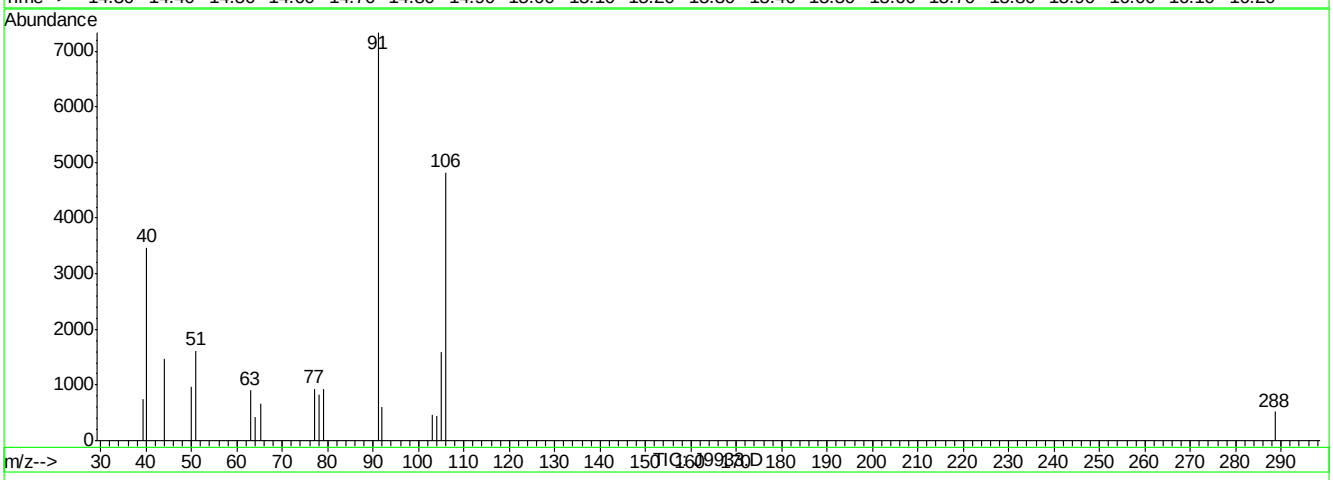
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.28min 0.19PPBV

response 6299

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	152.12#
77.00	27.10	19.38#
0.00	0.00	0.00

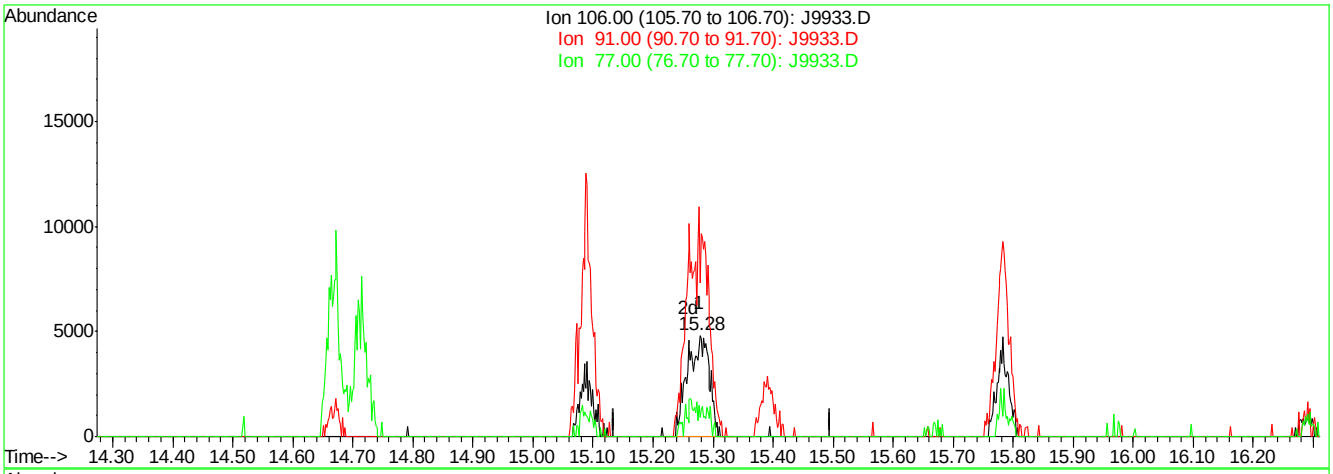
J9933.D J040407T.M Thu Apr 05 16:38:18 2007

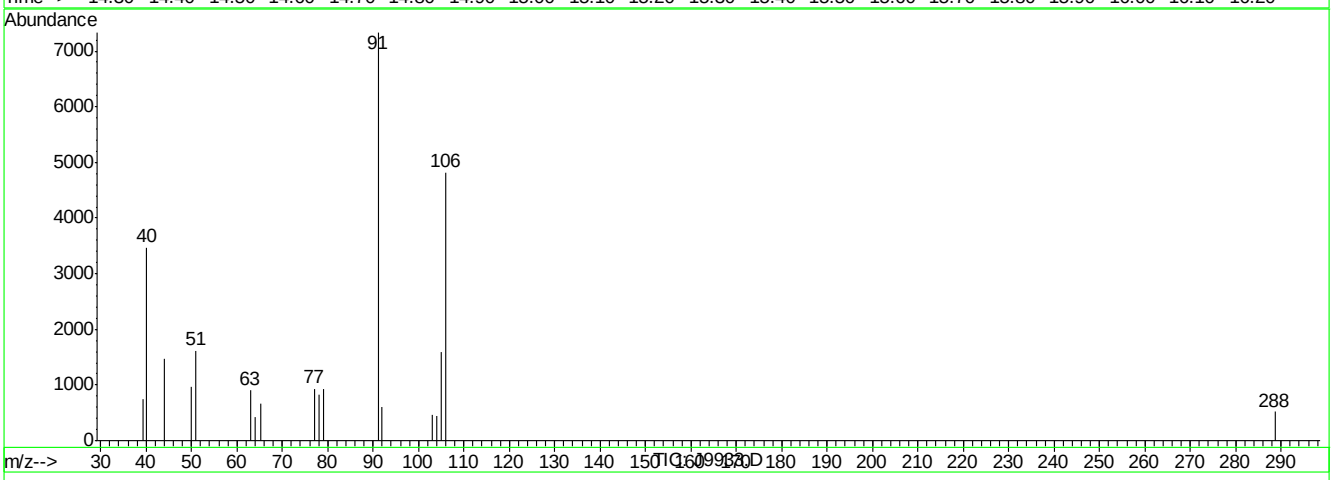
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.28min 0.38PPBV m

response 12227

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	152.12#
77.00	27.10	19.38#
0.00	0.00	0.00

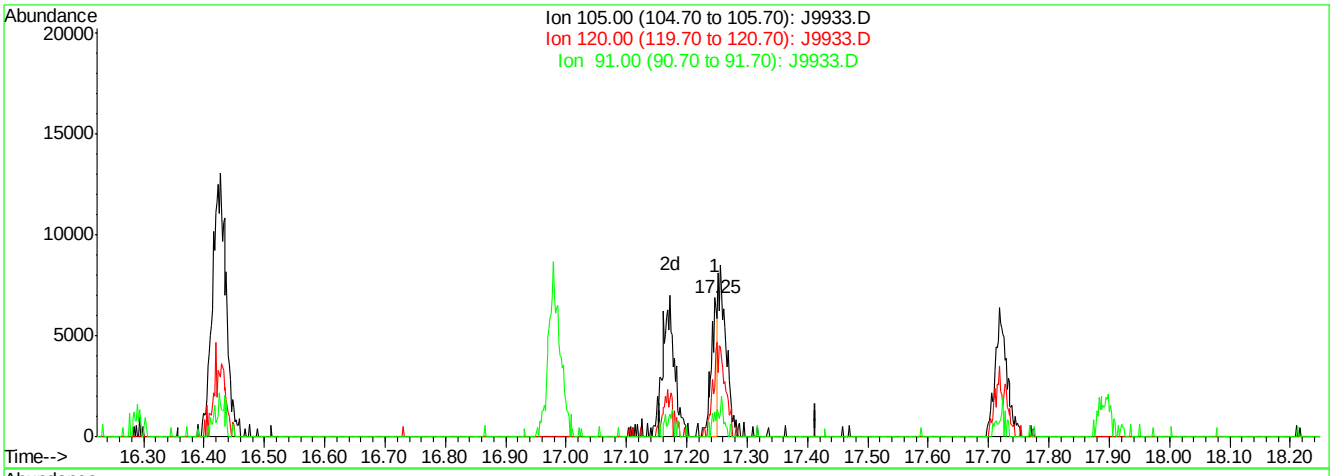
J9933.D J040407T.M Thu Apr 05 16:38:21 2007

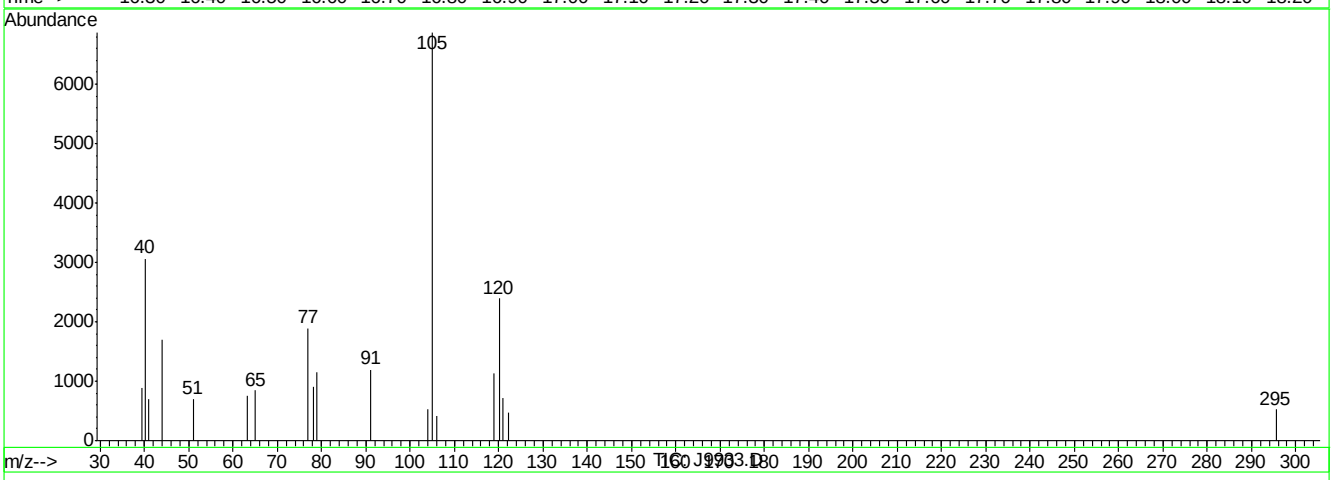
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(66) 1,3,5-TRIMETHYLBENZENE (m)

17.25min 0.05PPBV

response 4678

Ion	Exp%	Act%
105.00	100	100
120.00	48.40	134.31#
91.00	11.20	19.65
0.00	0.00	0.00

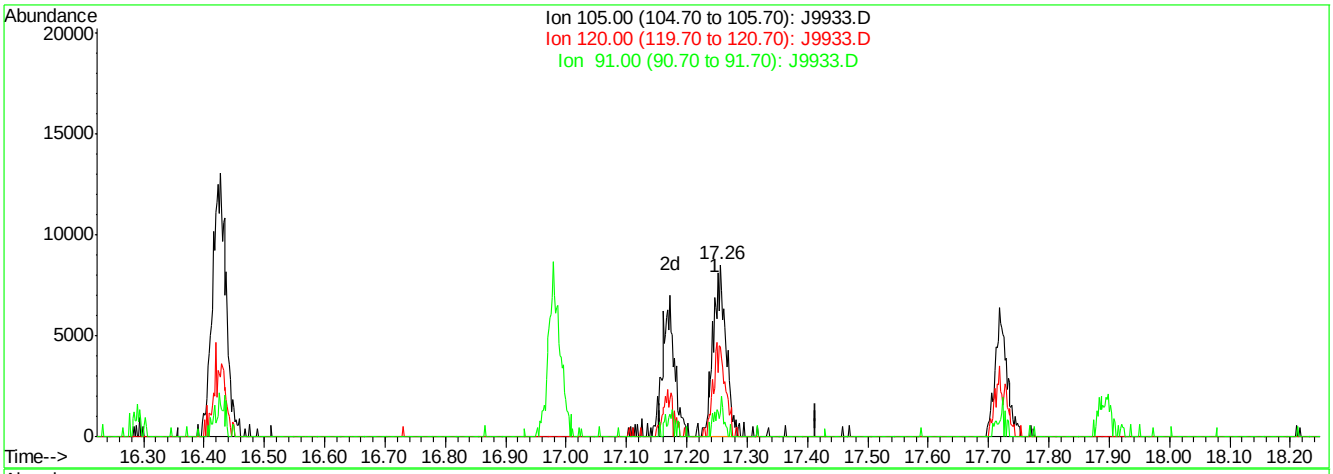
J9933.D J040407T.M Thu Apr 05 16:38:28 2007

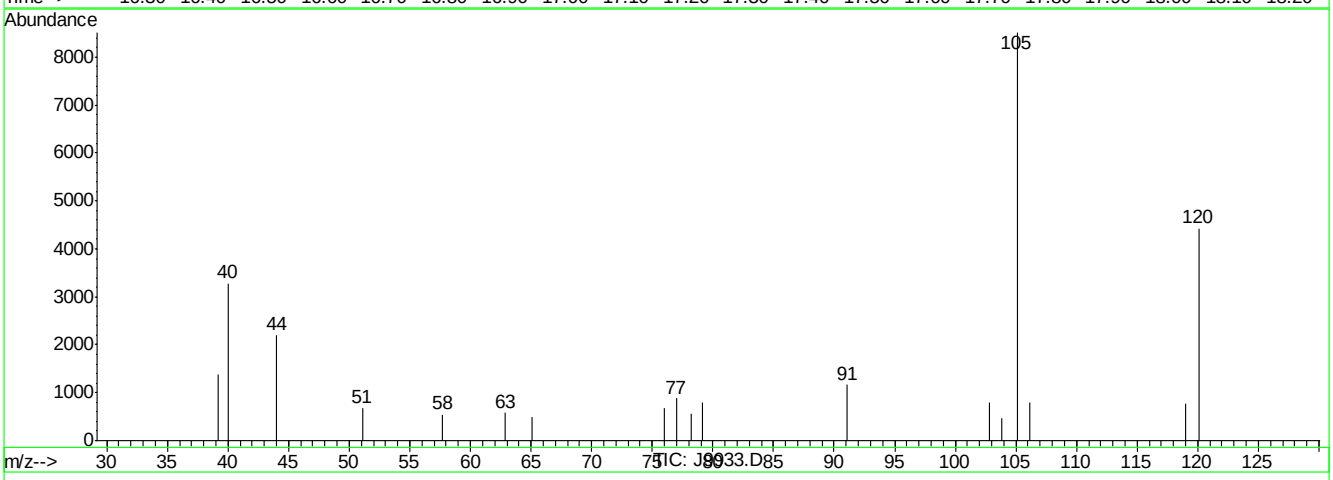
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(66) 1,3,5-TRIMETHYLBENZENE (m)

17.26min 0.14PPBV m

response 12547

Ion	Exp%	Act%
105.00	100	100
120.00	48.40	50.08
91.00	11.20	7.32
0.00	0.00	0.00

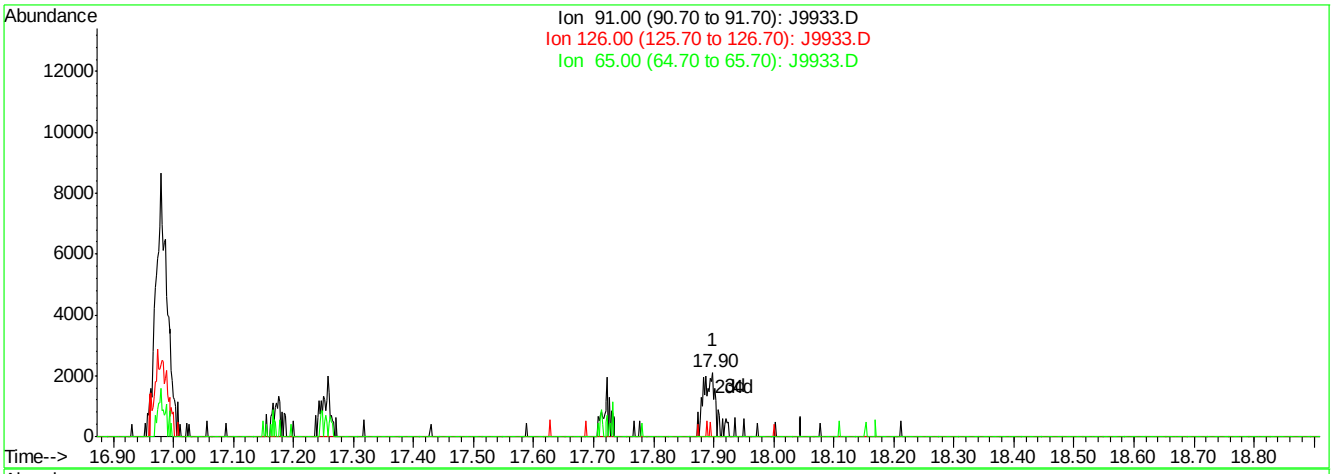
J9933.D J040407T.M Thu Apr 05 16:38:33 2007

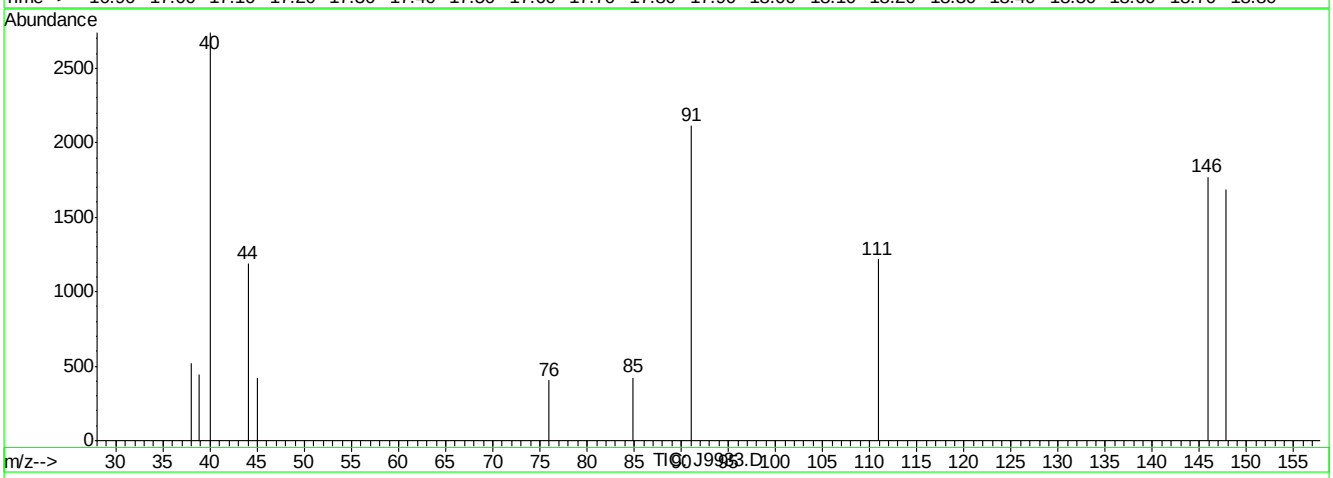
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(69) BENZYL CHLORIDE (m)

17.90min 0.07PPBV

response 2789

Ion	Exp%	Act%
91.00	100	100
126.00	19.50	0.00
65.00	11.80	0.00
0.00	0.00	0.00

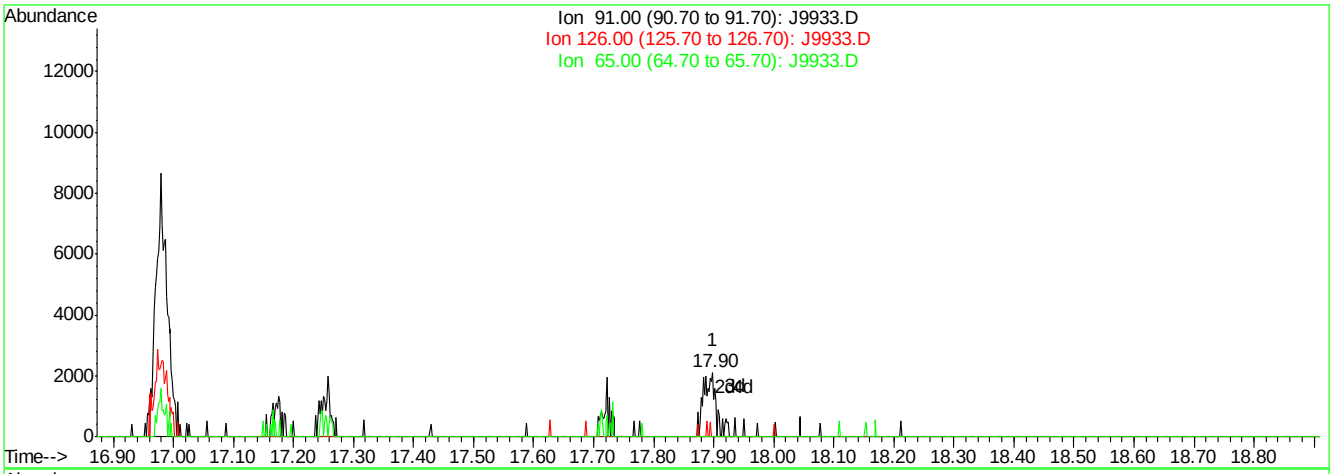
J9933.D J040407T.M Thu Apr 05 16:38:38 2007

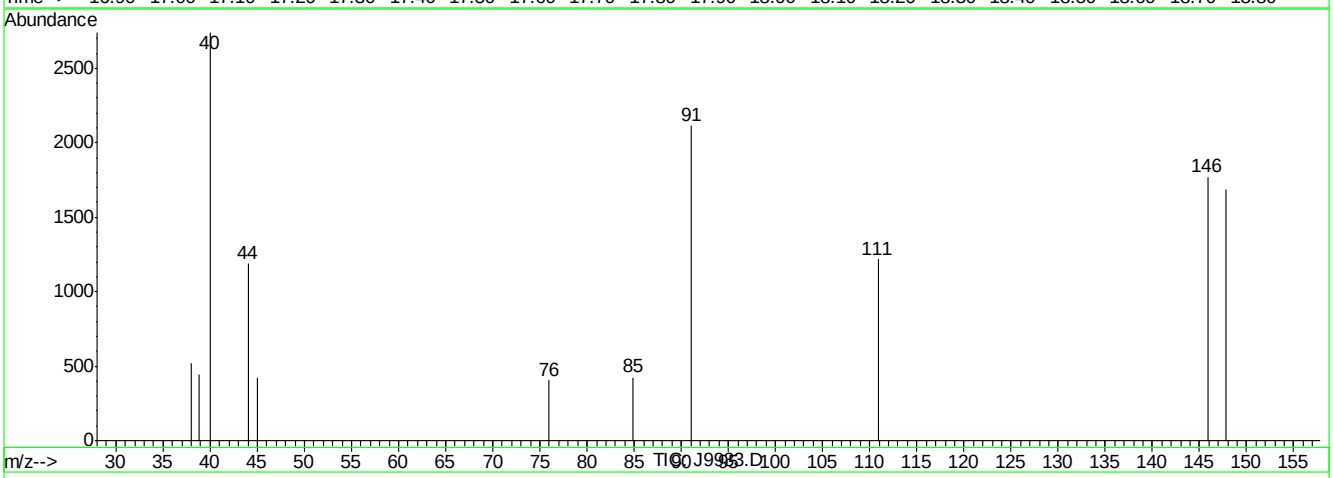
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(69) BENZYL CHLORIDE (m)

17.90min 0.08PPBV m

response 3230

Ion	Exp%	Act%
91.00	100	100
126.00	19.50	0.00
65.00	11.80	0.00
0.00	0.00	0.00

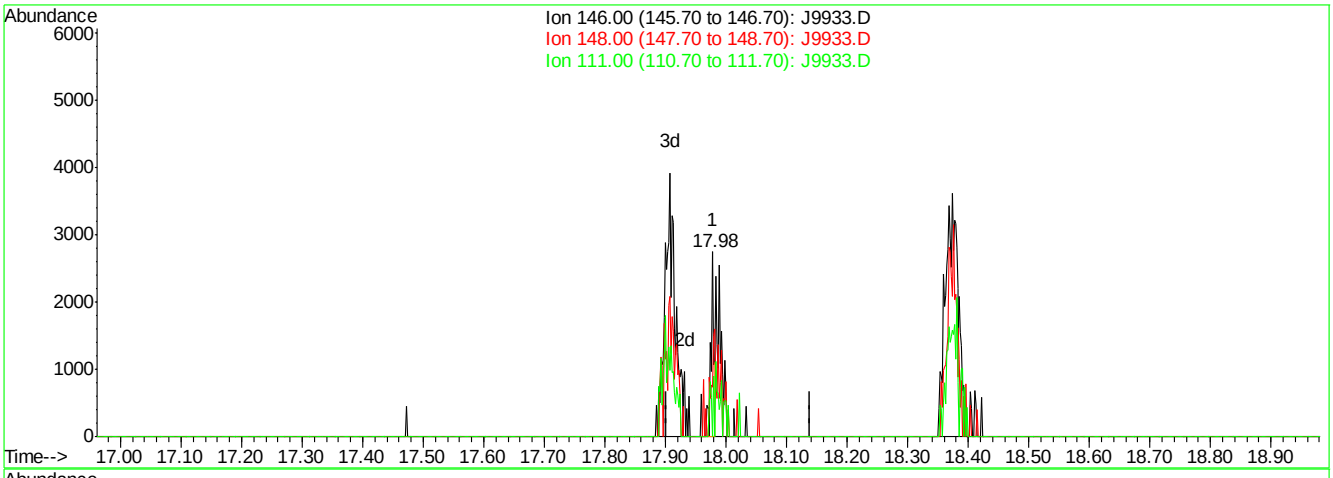
J9933.D J040407T.M Thu Apr 05 16:38:41 2007

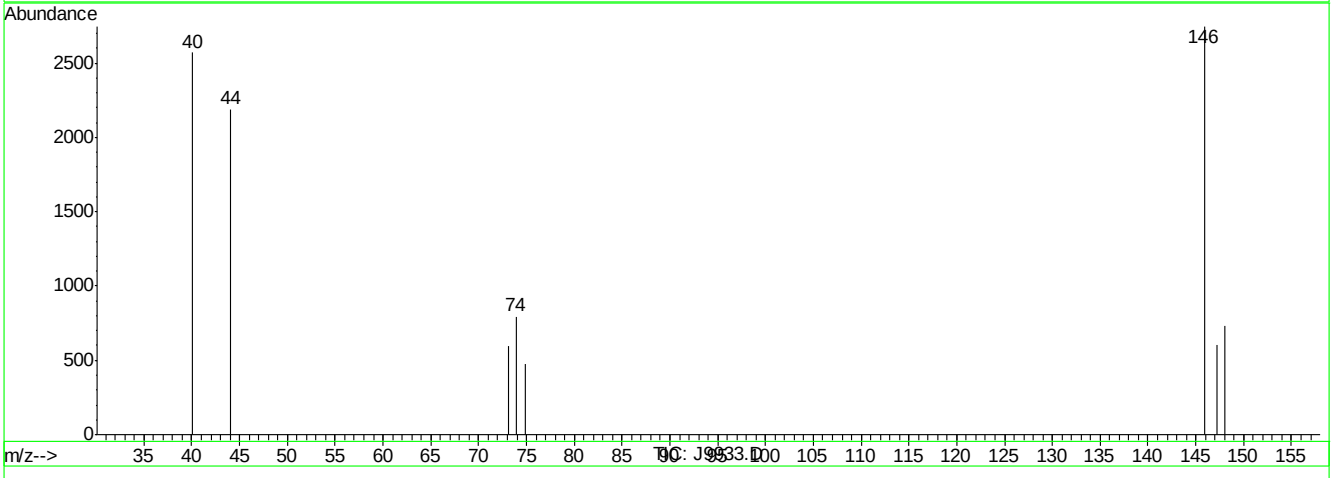
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.98min 0.02PPBV

response 915

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	118.47#
111.00	36.70	37.92
0.00	0.00	0.00

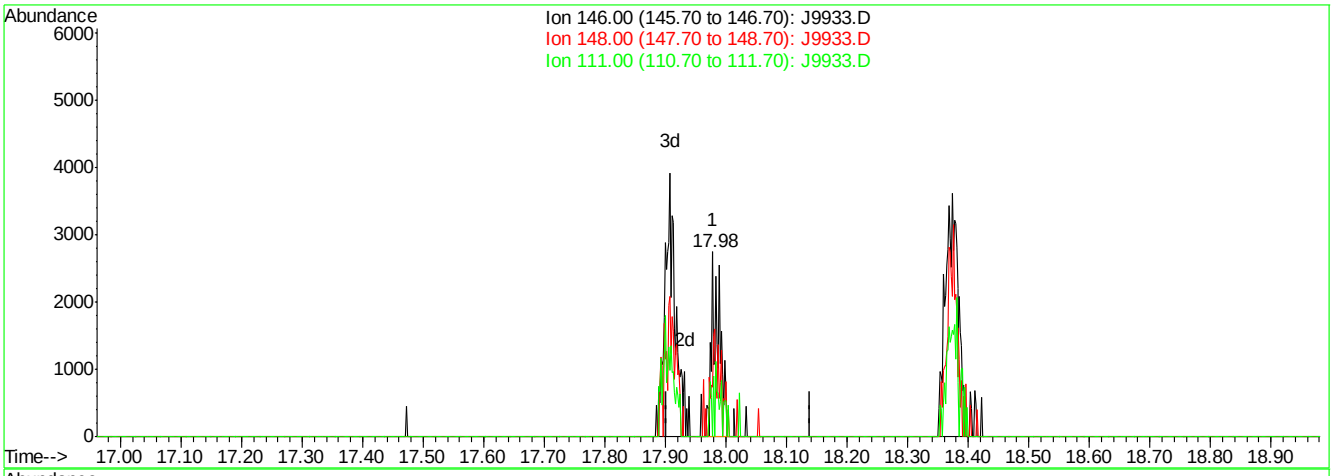
J9933.D J040407T.M Thu Apr 05 16:38:44 2007

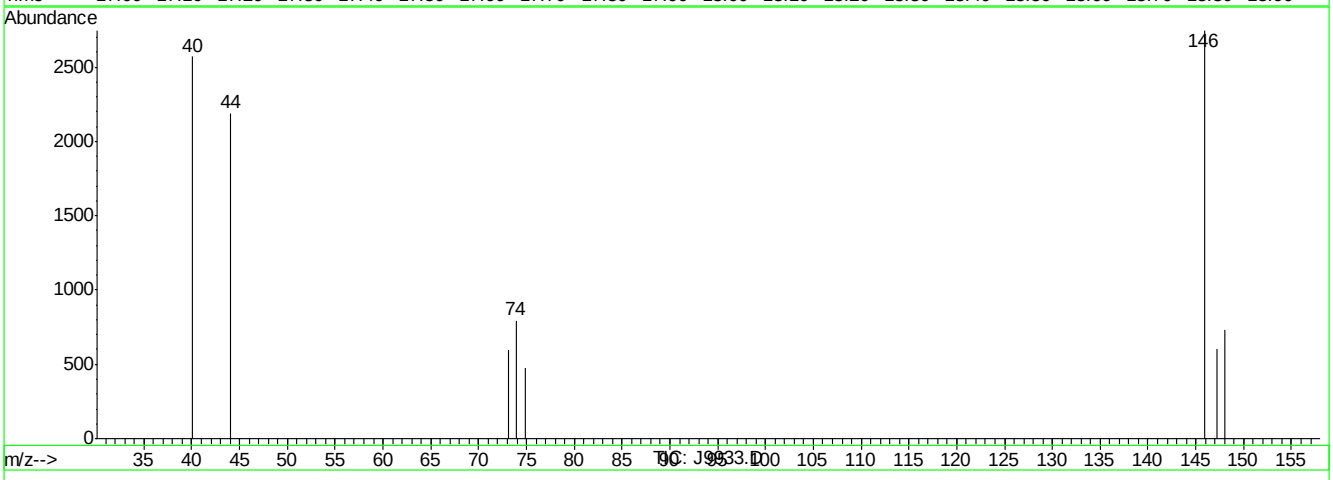
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9933.D Vial: 3
Acq On : 5 Apr 2007 4:02 pm Operator: PhilipB
Sample : IC513-.5 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 16:35:51 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 15:53:34 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.98min 0.06PPBV m

response 2474

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	43.82
111.00	36.70	14.03#
0.00	0.00	0.00

J9933.D J040407T.M Thu Apr 05 16:38:48 2007

J9934.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 04/06/07 12:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9934.D
Acq On : 5 Apr 2007 4:45 pm
Operator : PhilipB
Sample : IC513-.2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 17:16:17 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 16:39:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	491064	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1207102	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	937074	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	207530	3.54	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 70.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	20364	0.18	PPBV	97
3) PROPYLENE	3.98	41	3061m	0.17	PPBV	
4) FREON 114	4.32	85	17197	0.18	PPBV #	58
5) CHLOROMETHANE	4.23	50	5217m	0.21	PPBV	
6) VINYL CHLORIDE	4.44	62	4433m	0.16	PPBV	
7) 1,3-BUTADIENE	4.57	39	3028m	0.13	PPBV	
8) BROMOMETHANE	4.85	94	5335m	0.18	PPBV	
9) CHLOROETHANE	5.02	64	2235	0.18	PPBV #	51
10) TRICHLOROFLUOROMETHANE	5.79	101	23757m	0.20	PPBV	
11) ISOPROPYL ALCOHOL	5.99	45	10815m	0.23	PPBV	
12) ACETONE	5.69	43	12214	0.25	PPBV	72
13) PENTANE	6.13	42	6119m	0.23	PPBV	
14) 1,1-DICHLOROETHYLENE	6.42	96	4590m	0.16	PPBV	
15) CARBON DISULFIDE	6.84	76	17223	0.19	PPBV	75
16) ETHANOL	5.25	45	2212m	0.24	PPBV	
17) BROMOETHENE	5.37	106	4140	0.15	PPBV #	45
18) METHYLENE CHLORIDE	6.54	84	9565	0.29	PPBV	90
19) 3-CHLOROPROPENE	6.66	39	5214m	0.19	PPBV	
20) FREON 113	6.77	151	11296	0.17	PPBV #	76
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	5026	0.16	PPBV #	47
22) TERTIARY BUTYL ALCOHOL	6.61	59	6533m	0.13	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.75	73	9123	0.13	PPBV	90
24) TETRAHYDROFURAN	9.23	42	1944m	0.10	PPBV	
25) HEXANE	8.63	57	9522	0.24	PPBV #	81
26) VINYL ACETATE	7.81	43	6548m	0.15	PPBV	
27) 1,1-DICHLOROETHANE	7.65	63	10172	0.17	PPBV	91
28) METHYL ETHYL KETONE	8.10	43	8536	0.17	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.45	96	5623	0.16	PPBV #	62
30) ETHYL ACETATE	8.70	43	9738	0.20	PPBV #	93
31) CHLOROFORM	8.73	83	17489	0.18	PPBV #	67
32) 1,1,1-TRICHLOROETHANE	9.67	97	12334	0.16	PPBV	92
33) CARBON TETRACHLORIDE	10.25	117	15872	0.17	PPBV	95
34) 1,2-DICHLOROETHANE	9.44	62	6151	0.16	PPBV	93
36) BENZENE	10.12	78	7430	0.13	PPBV #	66
37) CYCLOHEXANE	10.35	84	2606m	0.10	PPBV	
38) TRICHLOROETHYLENE	11.10	95	3379	0.10	PPBV #	64
39) 1,2-DICHLOROPROPANE	10.88	63	3217	0.16	PPBV	88
40) BROMODICHLOROMETHANE	11.08	83	9237	0.14	PPBV #	56
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	10473	0.10	PPBV	78
43) HEPTANE	11.35	43	3471	0.10	PPBV #	73
44) METHYL ISOBUTYL KETONE	12.02	43	3009m	0.07	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9934.D
Acq On : 5 Apr 2007 4:45 pm
Operator : PhilipB
Sample : IC513-.2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 17:16:17 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 16:39:03 2007
Response via : Initial Calibration

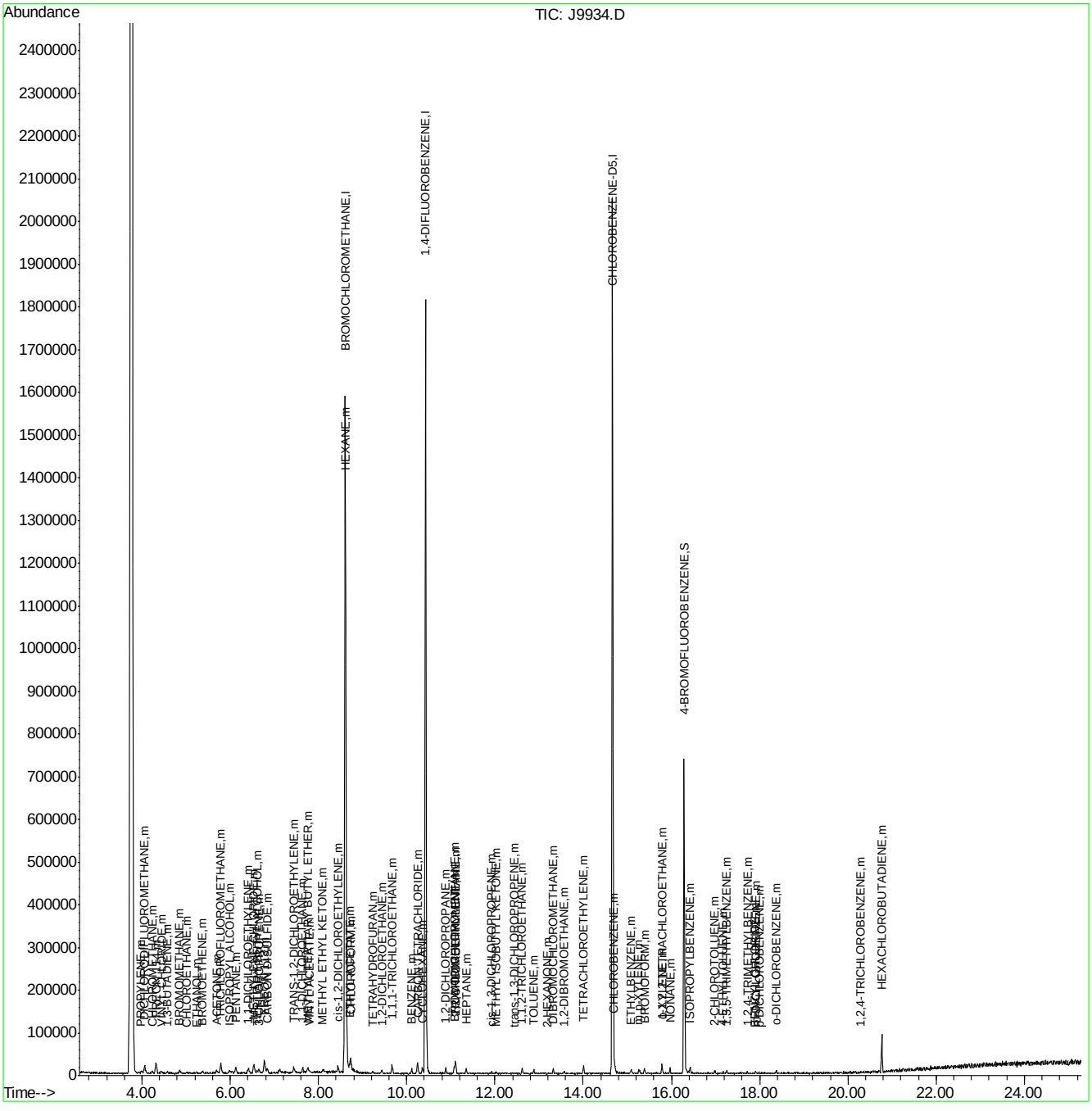
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.93	75	2014	0.07	PPBV		85
46) TOLUENE	12.88	92	3597	0.10	PPBV		87
47) trans-1,3-DICHLOROPROPENE	12.43	75	772	0.04	PPBV	#	70
48) 1,1,2-TRICHLOROETHANE	12.61	83	3072	0.14	PPBV		84
50) 2-HEXANONE	13.20	43	2357m	0.07	PPBV		
51) TETRACHLOROETHYLENE	14.02	164	3094	0.11	PPBV		91
52) DIBROMOCHLOROMETHANE	13.31	129	6684	0.12	PPBV		93
53) 1,2-DIBROMOETHANE	13.56	107	2894	0.09	PPBV	#	95
54) CHLOROBENZENE	14.71	112	5414	0.11	PPBV		97
55) ETHYLBENZENE	15.09	91	5385	0.07	PPBV		85
56) m,p-XYLENE	15.26	106	3217m	0.10	PPBV		
57) o-XYLENE	15.78	106	1881	0.05	PPBV	#	1
59) NONANE	15.97	43	3056	0.06	PPBV	#	66
60) BROMOFORM	15.39	173	4621	0.09	PPBV	#	97
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	6955	0.11	PPBV	#	56
63) ISOPROPYLBENZENE	16.42	105	6094	0.06	PPBV	#	72
64) 2-CHLOROTOLUENE	16.98	91	3749	0.05	PPBV	#	52
65) 4-ETHYLTOLUENE	17.17	105	2702m	0.03	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	3734	0.04	PPBV		80
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	2690m	0.03	PPBV		
68) m-DICHLOROBENZENE	17.90	146	1200	0.02	PPBV	#	69
69) BENZYL CHLORIDE	17.89	91	928	0.02	PPBV	#	62
70) p-DICHLOROBENZENE	17.98	146	673m	0.02	PPBV		
71) o-DICHLOROBENZENE	18.37	146	1984m	0.04	PPBV		
72) HEXACHLOROBUTADIENE	20.77	225	9165	0.19	PPBV		94
73) 1,2,4-TRICHLOROBENZENE	20.28	180	606	0.06	PPBV	#	31

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9934.D
Acq On : 5 Apr 2007 4:45 pm
Operator : PhilipB
Sample : IC513-.2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 17:16:17 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 16:39:03 2007
Response via : Initial Calibration



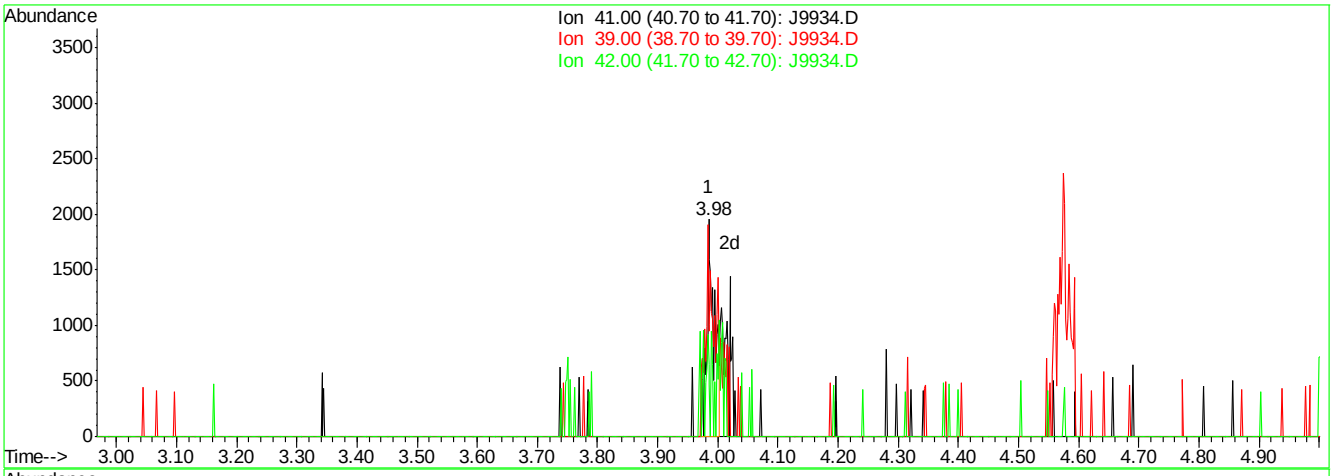
ACCUTEST Laboratories M64555

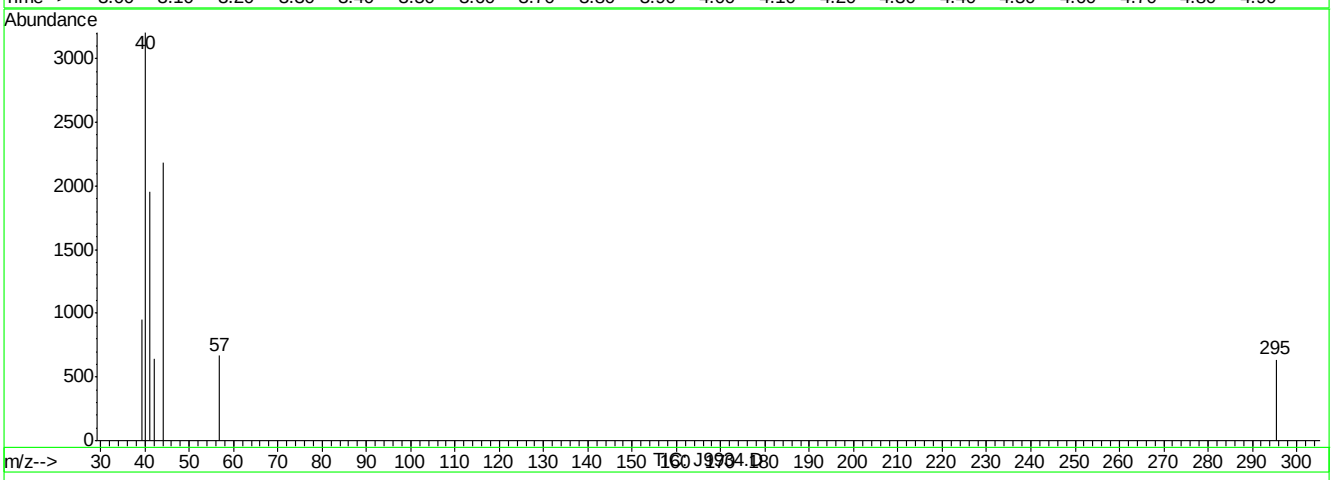
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

3.98min 0.10PPBV

response 1742

Ion	Exp%	Act%
41.00	100	100
39.00	79.30	48.39#
42.00	66.90	33.06#
0.00	0.00	0.00

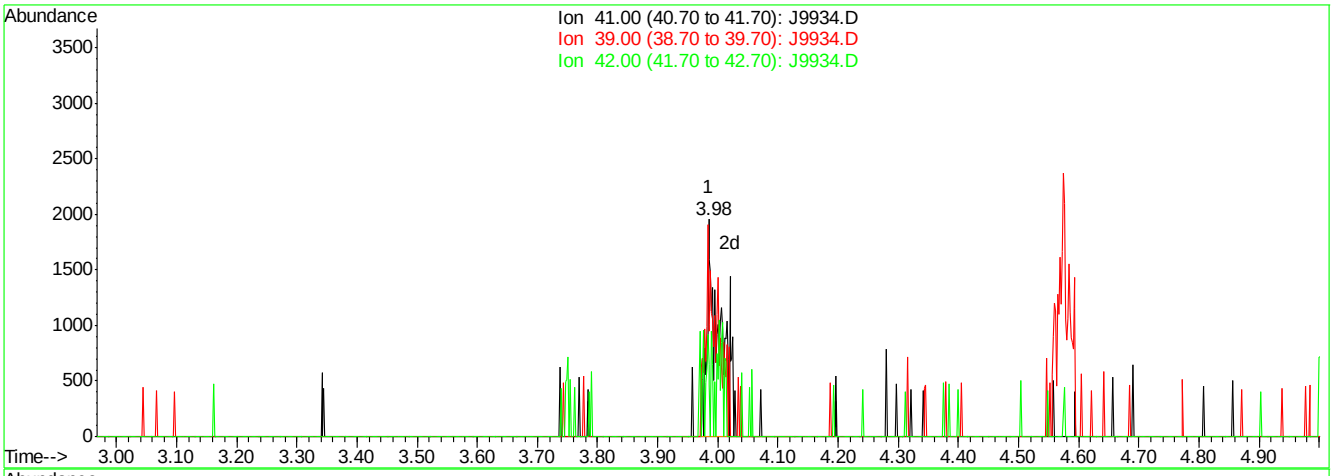
J9934.D J040407T.M Thu Apr 05 17:11:36 2007

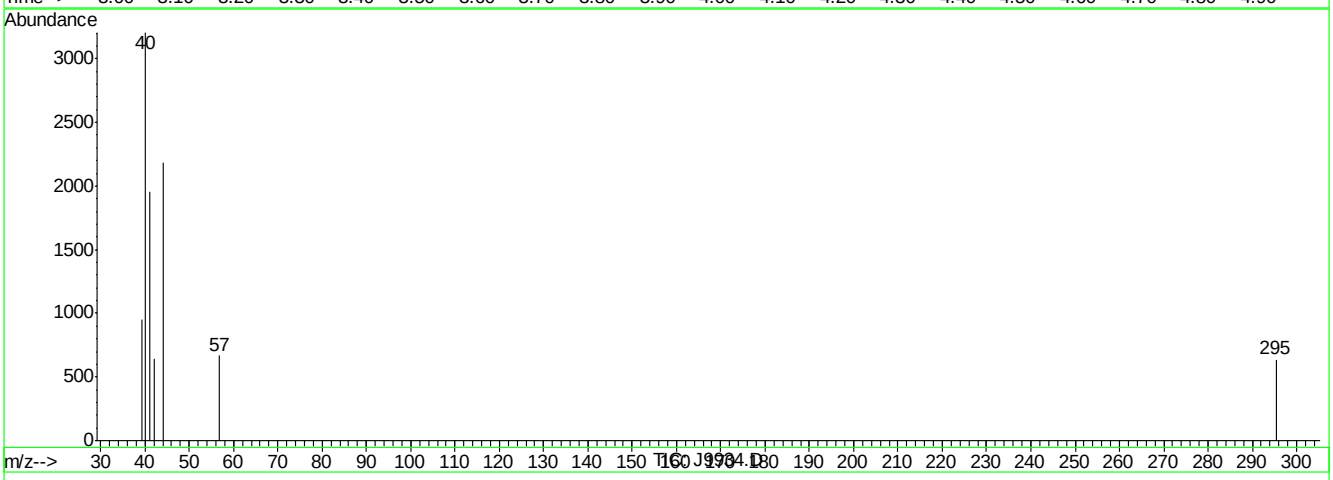
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

3.98min 0.17PPBV m

response 3061

Ion	Exp%	Act%
41.00	100	100
39.00	79.30	48.39#
42.00	66.90	33.06#
0.00	0.00	0.00

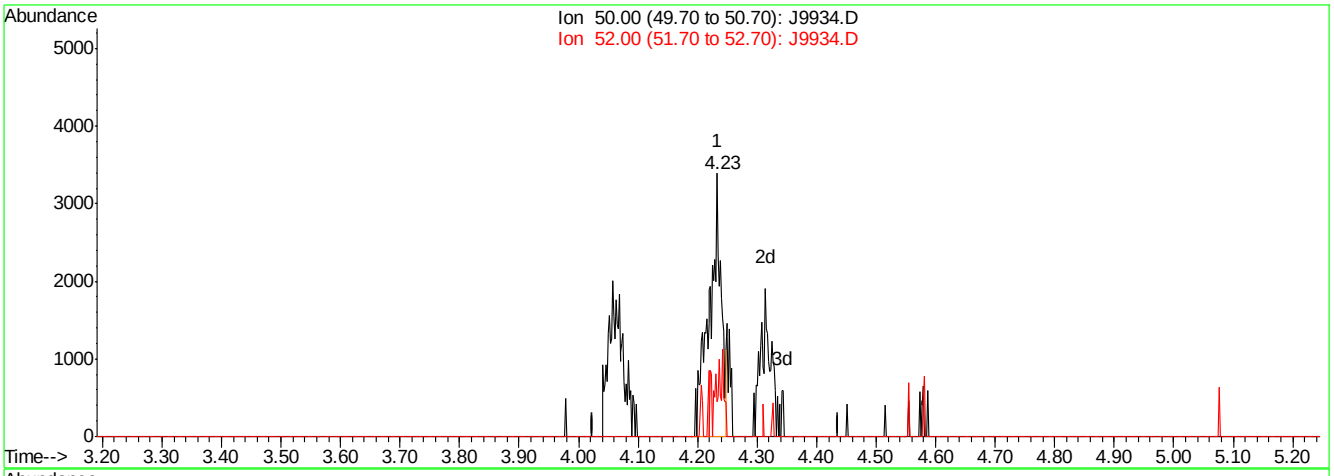
J9934.D J040407T.M Thu Apr 05 17:11:39 2007

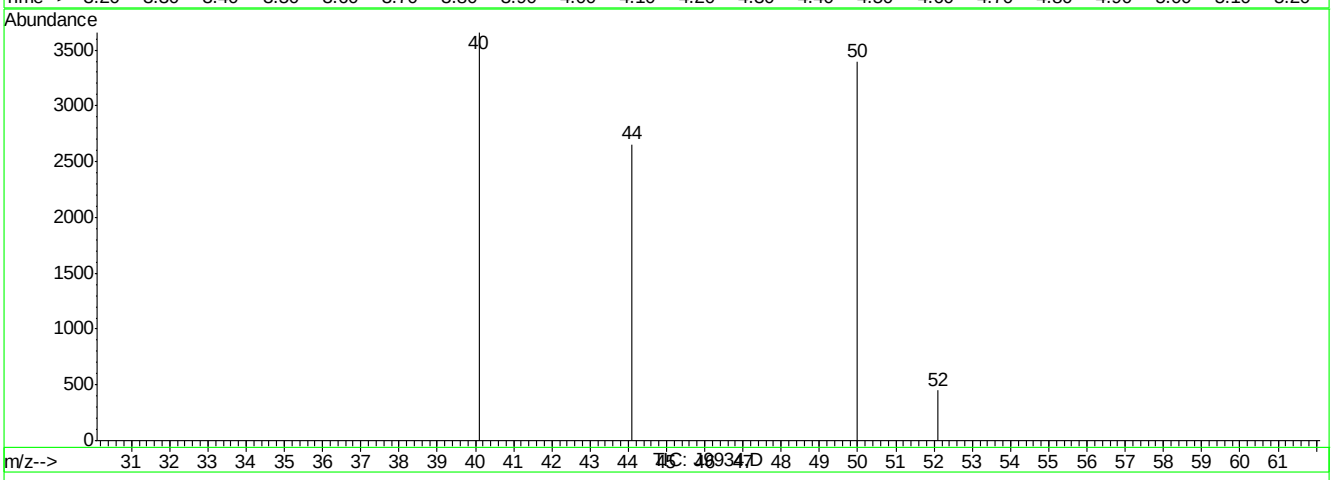
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.23min 0.18PPBV

response 4559

Ion	Exp%	Act%
50.00	100	100
52.00	29.80	7.84#
0.00	0.00	0.00
0.00	0.00	0.00

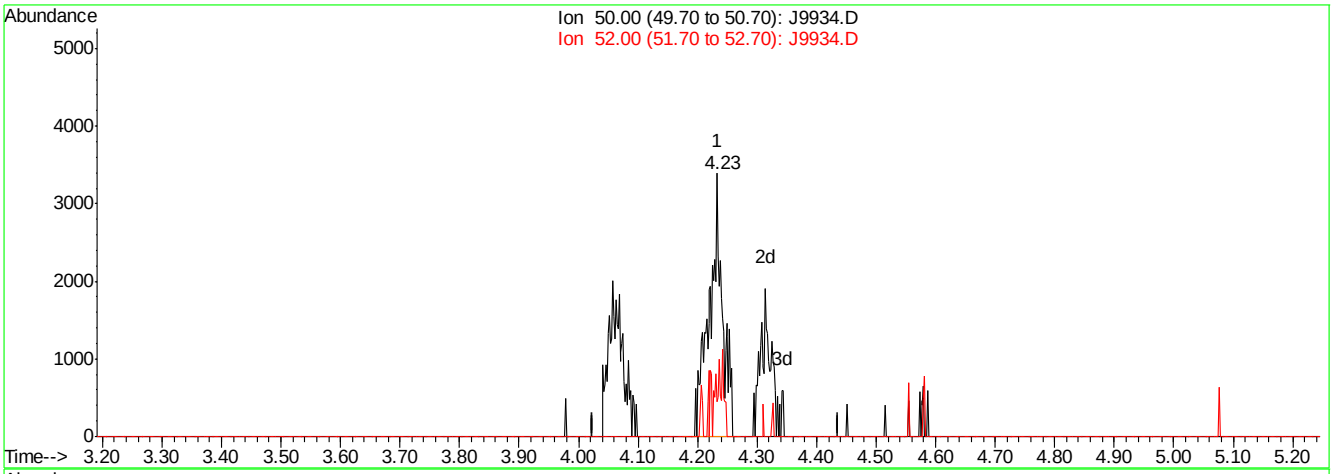
J9934.D J040407T.M Thu Apr 05 17:12:26 2007

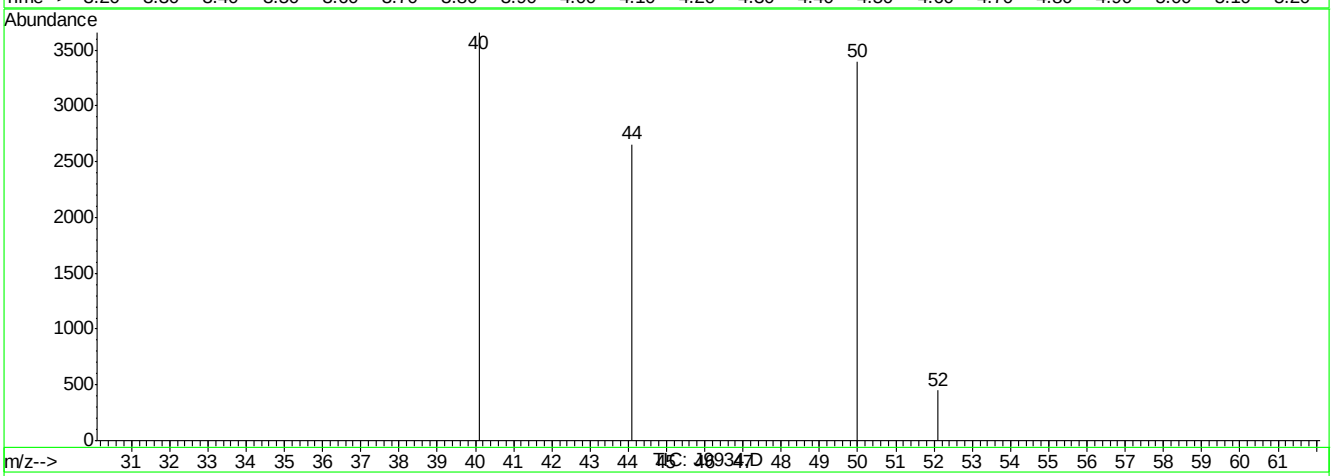
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.23min 0.21PPBV m

response 5217

Ion	Exp%	Act%
50.00	100	100
52.00	29.80	13.21
0.00	0.00	0.00
0.00	0.00	0.00

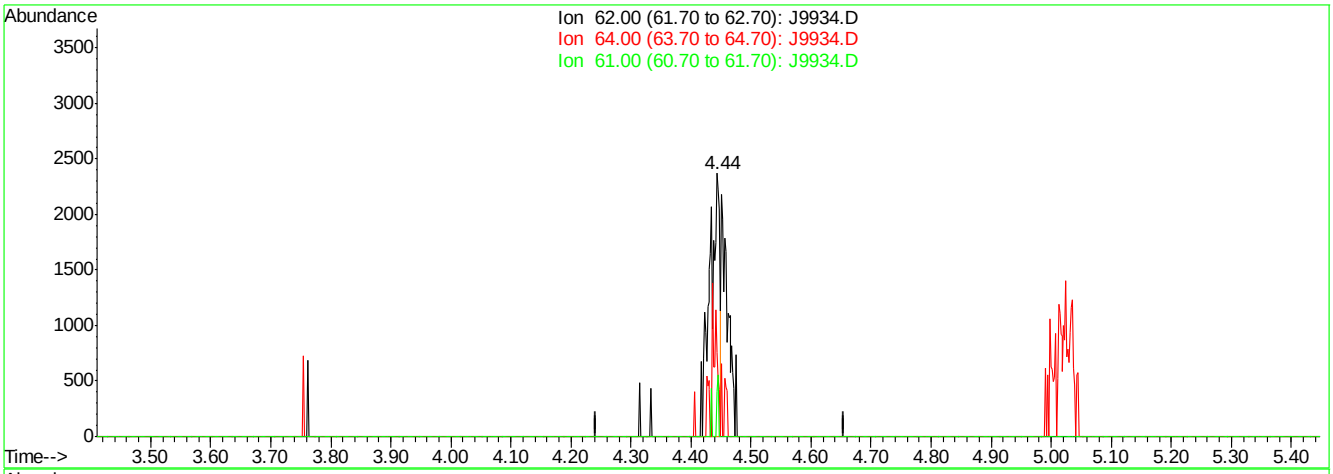
J9934.D J040407T.M Thu Apr 05 17:12:31 2007

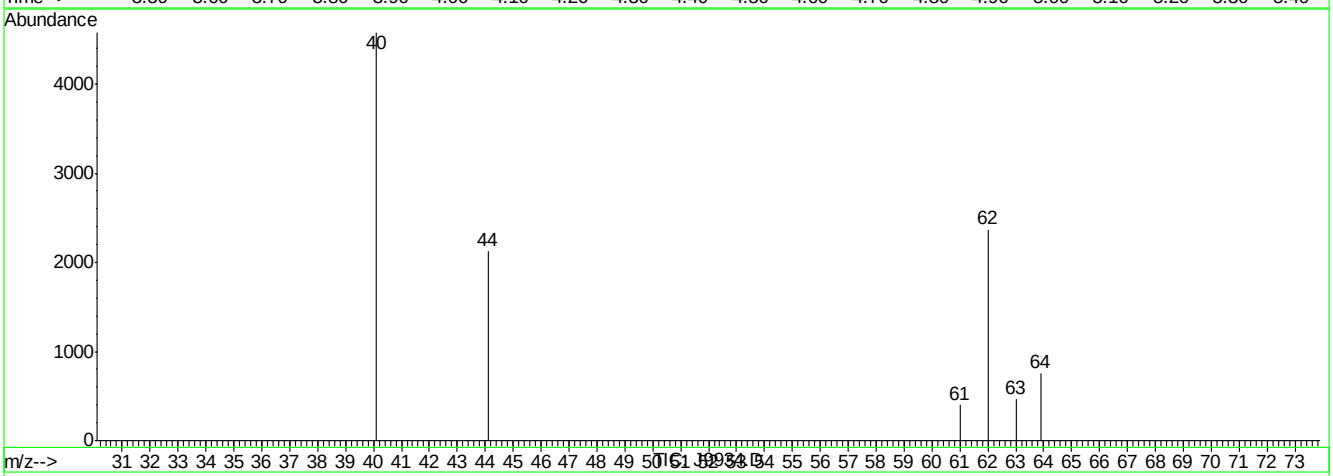
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(6) VINYL CHLORIDE (m)

4.44min 0.10PPBV

response 2716

Ion	Exp%	Act%
62.00	100	100
64.00	32.90	5.41#
61.00	8.50	3.72
0.00	0.00	0.00

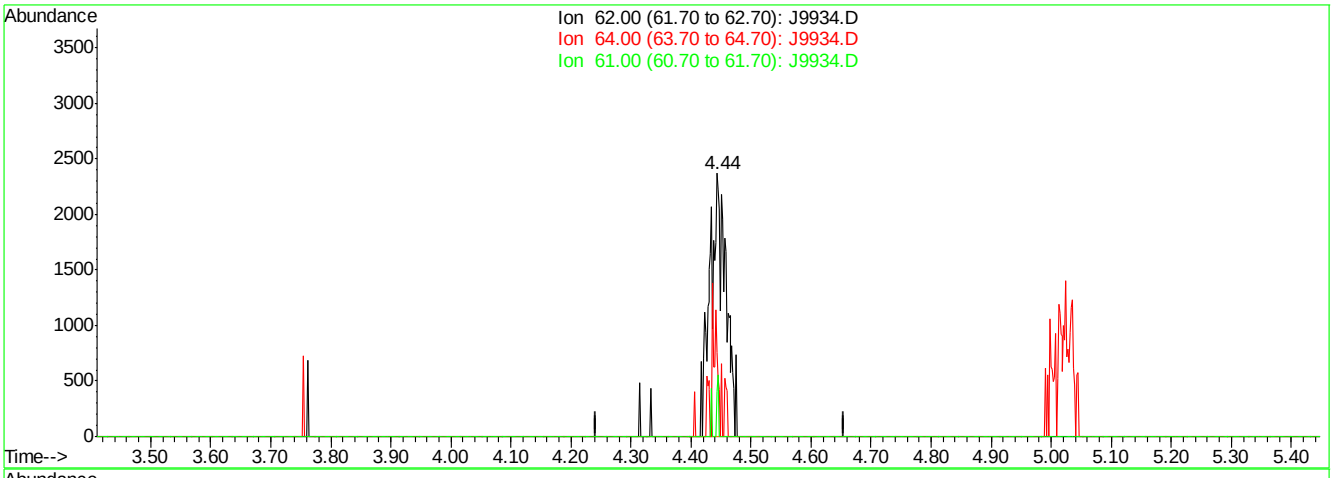
J9934.D J040407T.M Thu Apr 05 17:12:34 2007

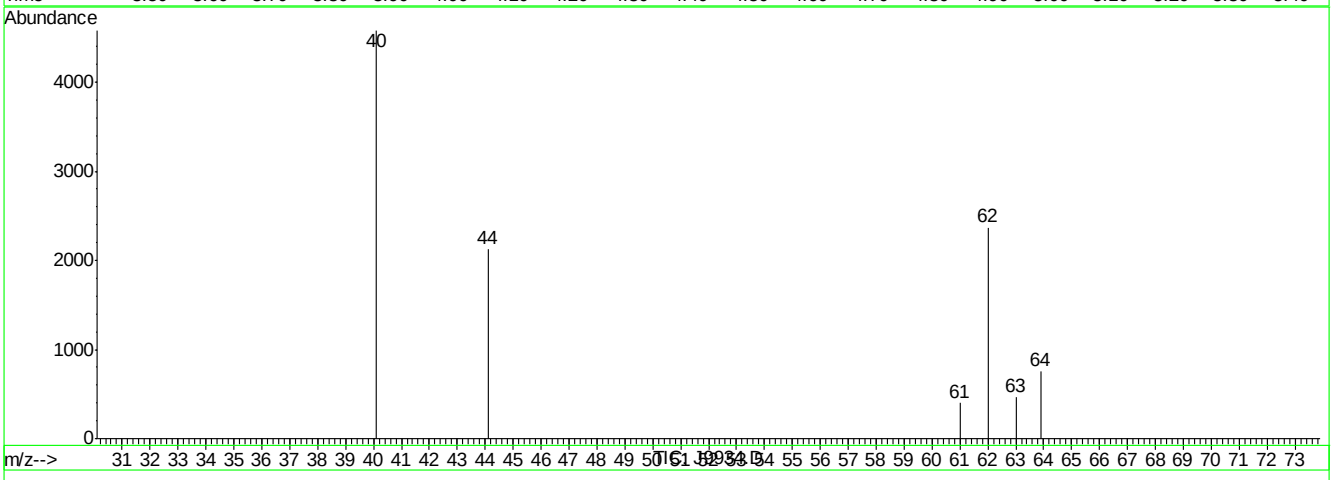
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(6) VINYL CHLORIDE (m)

4.44min 0.16PPBV m

response 4433

Ion	Exp%	Act%
62.00	100	100
64.00	32.90	3.32#
61.00	8.50	2.28
0.00	0.00	0.00

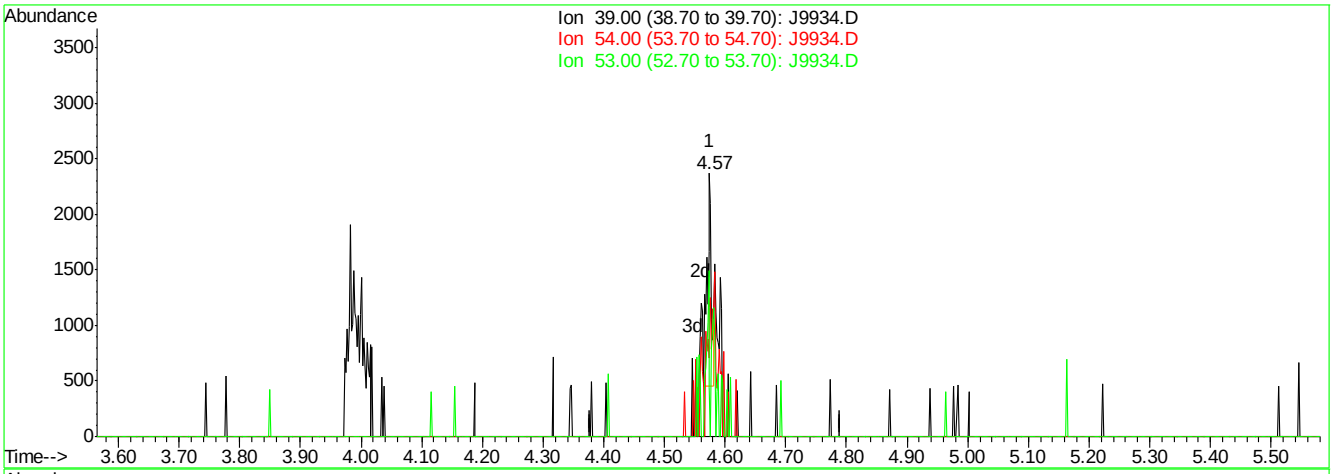
J9934.D J040407T.M Thu Apr 05 17:12:37 2007

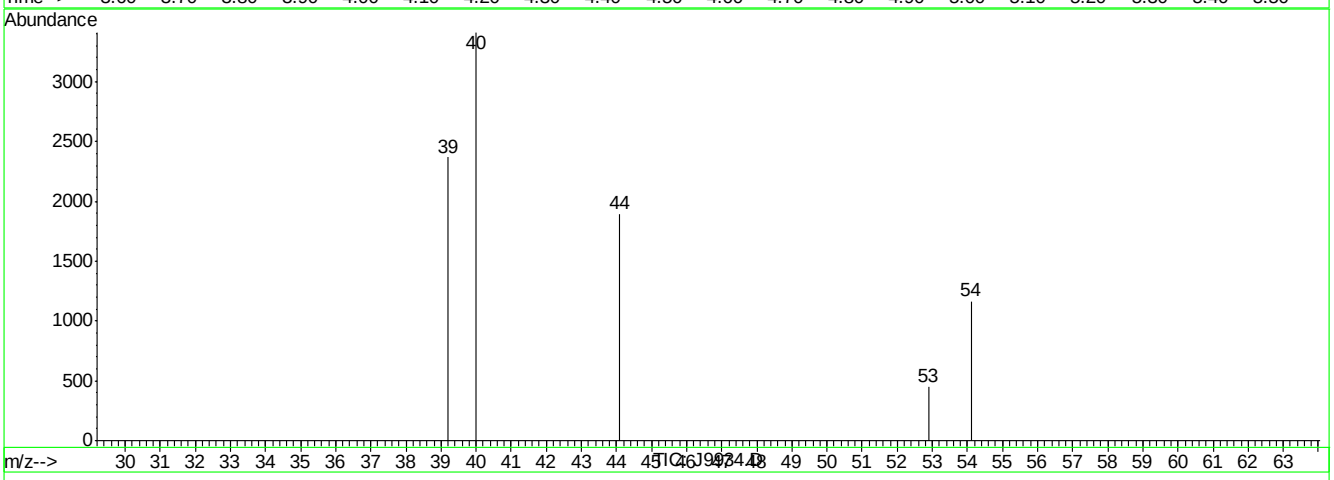
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(7) 1,3-BUTADIENE (m)

4.57min 0.05PPBV

response 1040

Ion	Exp%	Act%
39.00	100	100
54.00	89.20	178.85#
53.00	63.00	50.58
0.00	0.00	0.00

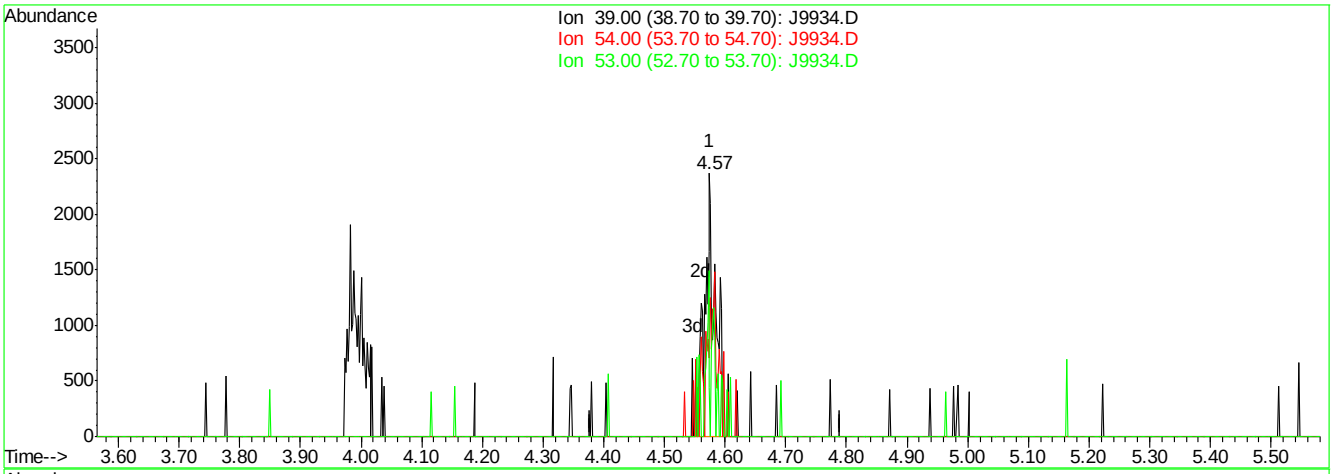
J9934.D J040407T.M Thu Apr 05 17:12:40 2007

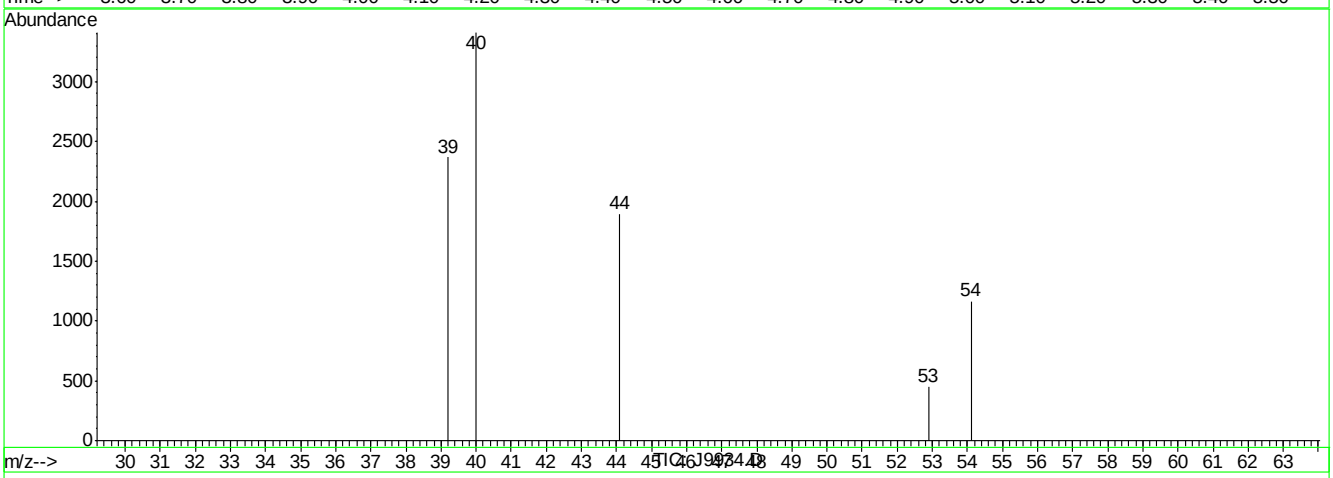
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(7) 1,3-BUTADIENE (m)

4.57min 0.13PPBV m

response 3028

Ion	Exp%	Act%
39.00	100	100
54.00	89.20	61.43#
53.00	63.00	17.37#
0.00	0.00	0.00

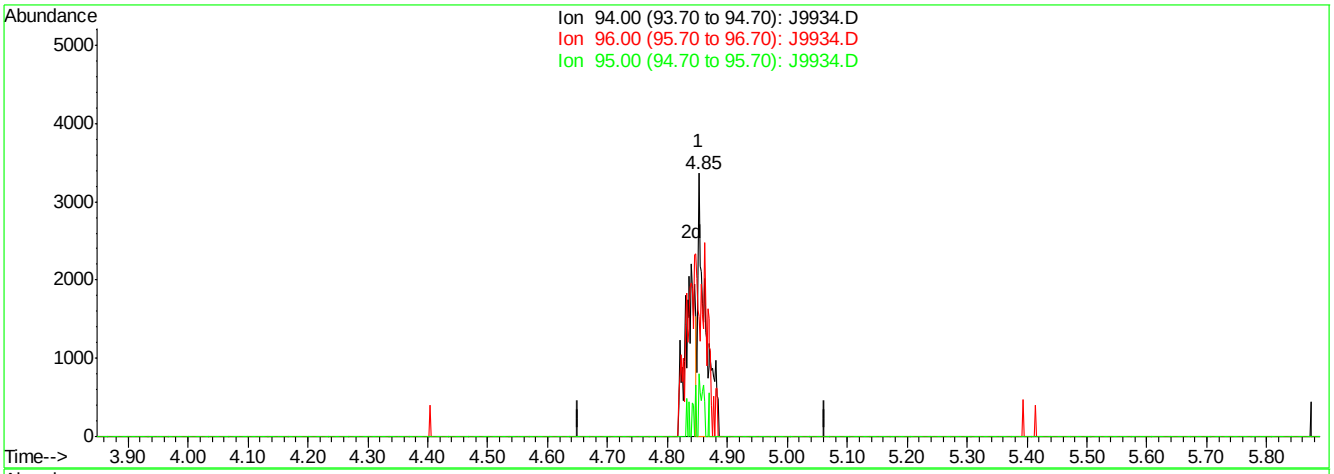
J9934.D J040407T.M Thu Apr 05 17:12:44 2007

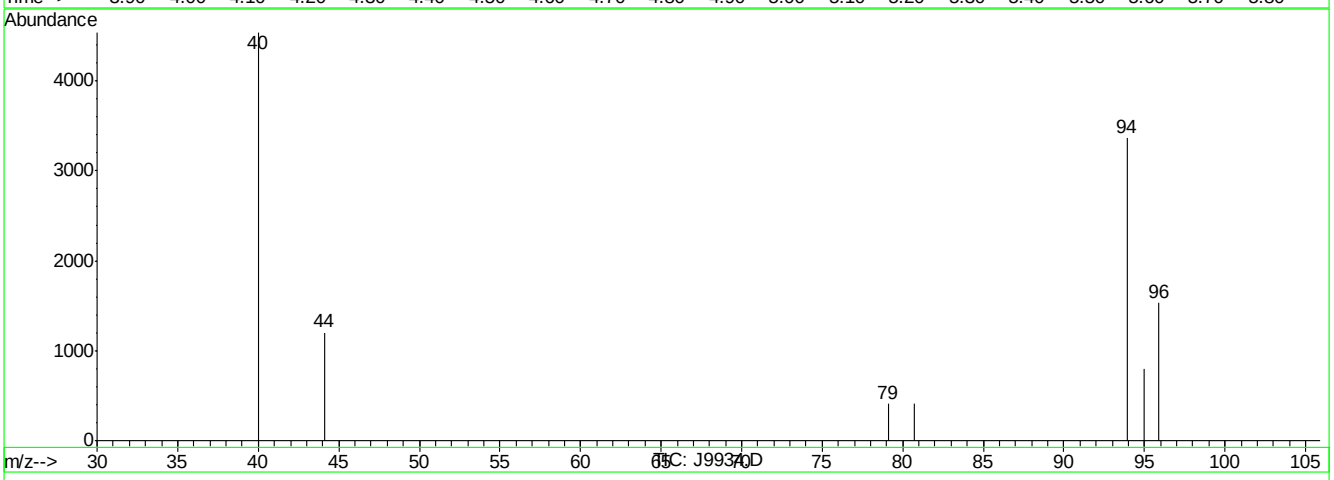
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.85min 0.10PPBV

response 2896

Ion	Exp%	Act%
94.00	100	100
96.00	94.90	110.53
95.00	15.00	8.87
0.00	0.00	0.00

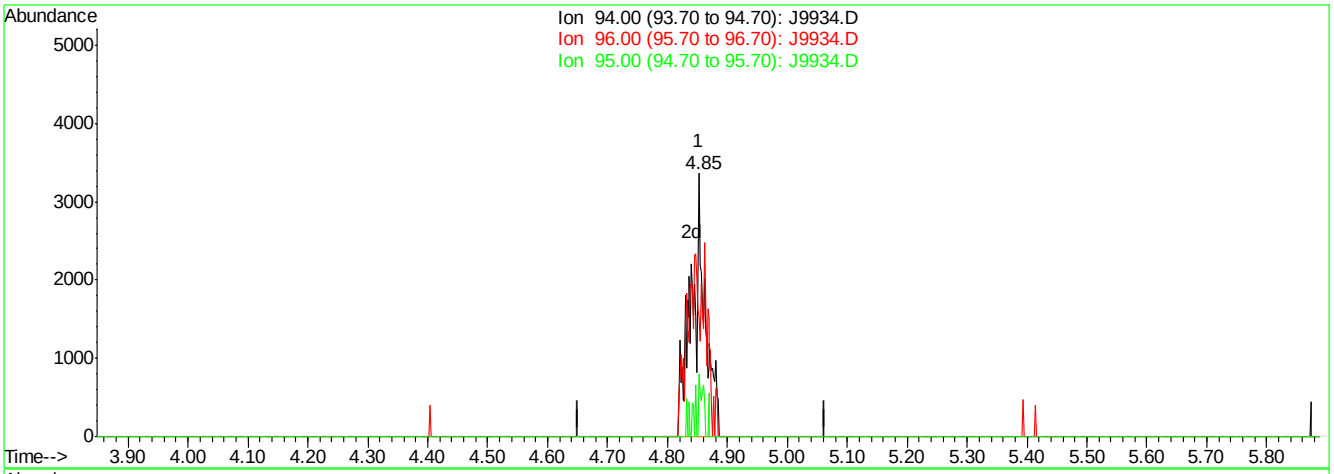
J9934.D J040407T.M Thu Apr 05 17:12:47 2007

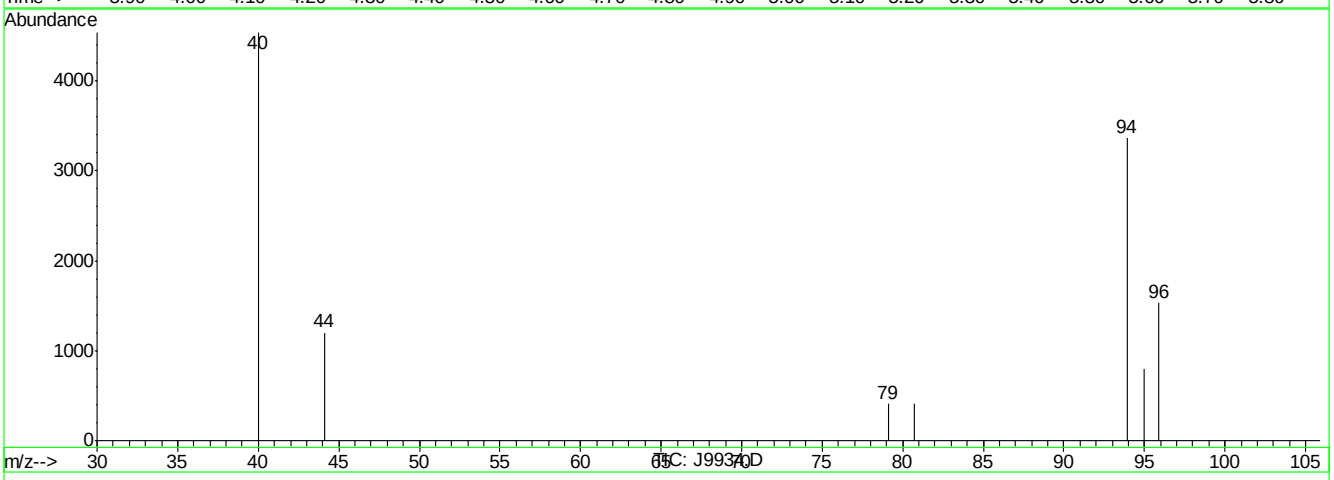
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.85min 0.18PPBV m

response 5335

Ion	Exp%	Act%
94.00	100	100
96.00	94.90	60.00#
95.00	15.00	4.82
0.00	0.00	0.00

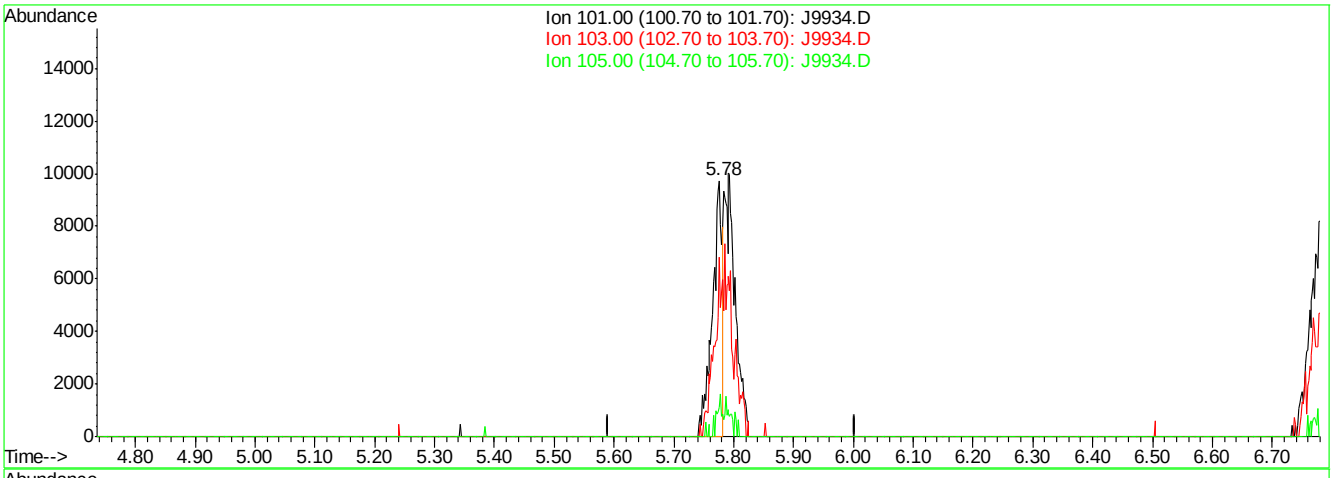
J9934.D J040407T.M Thu Apr 05 17:12:50 2007

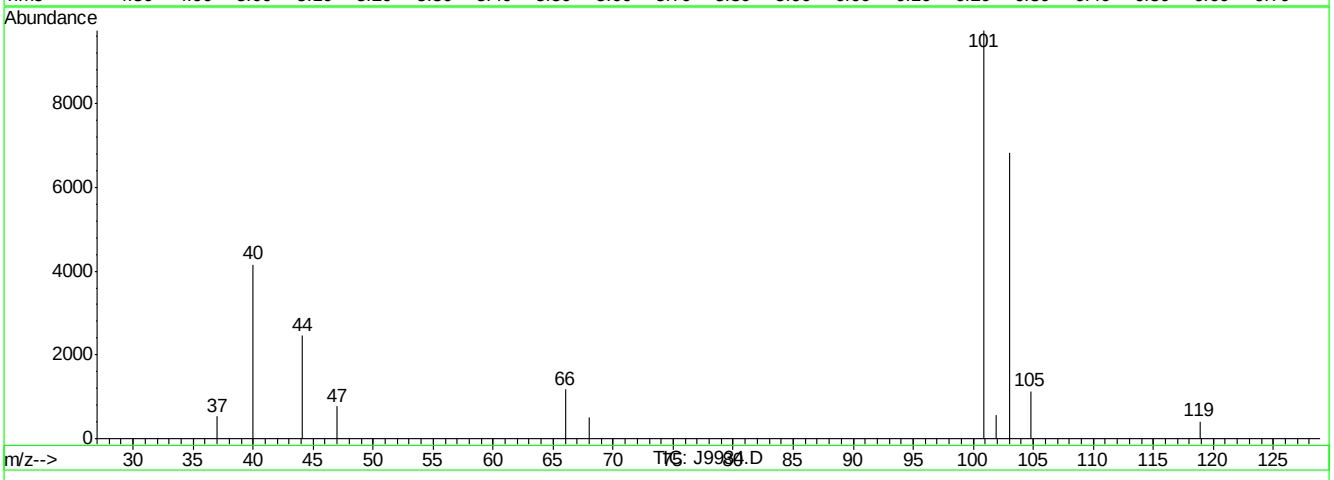
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(10) TRICHLOROFLUOROMETHANE (m)

5.78min 0.09PPBV

response 10605

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	134.60#
105.00	10.20	11.82
0.00	0.00	0.00

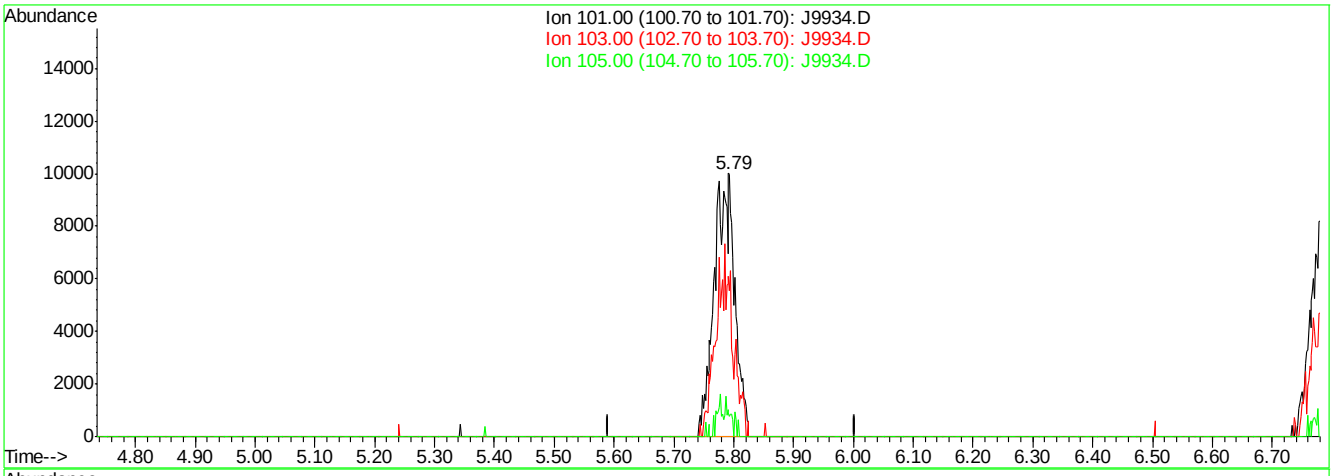
J9934.D J040407T.M Thu Apr 05 17:12:58 2007

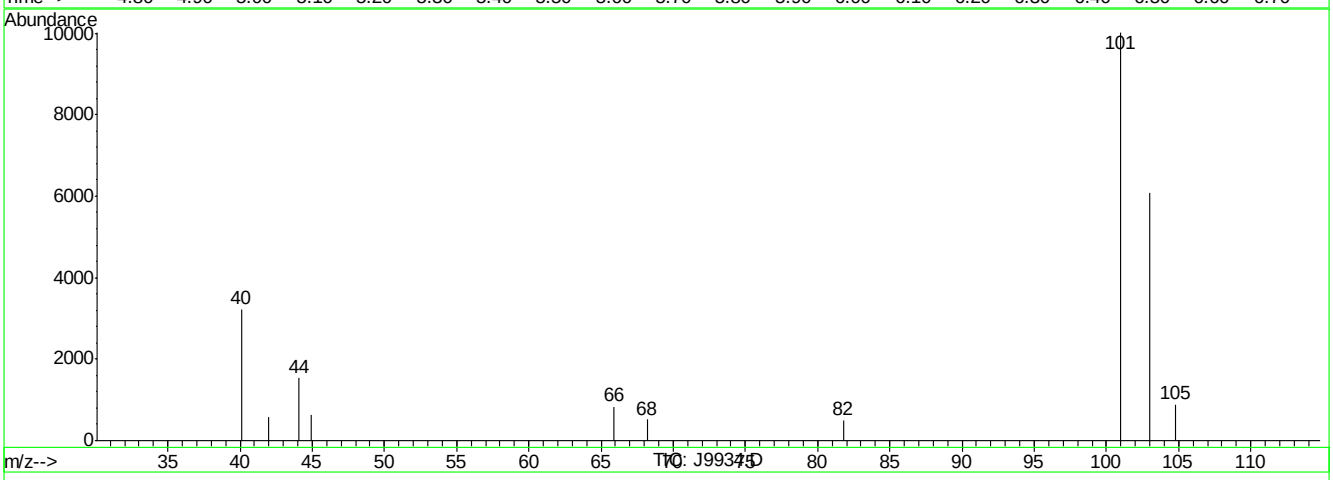
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(10) TRICHLOROFLUOROMETHANE (m)

5.79min 0.20PPBV m

response 23757

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	60.08
105.00	10.20	5.27
0.00	0.00	0.00

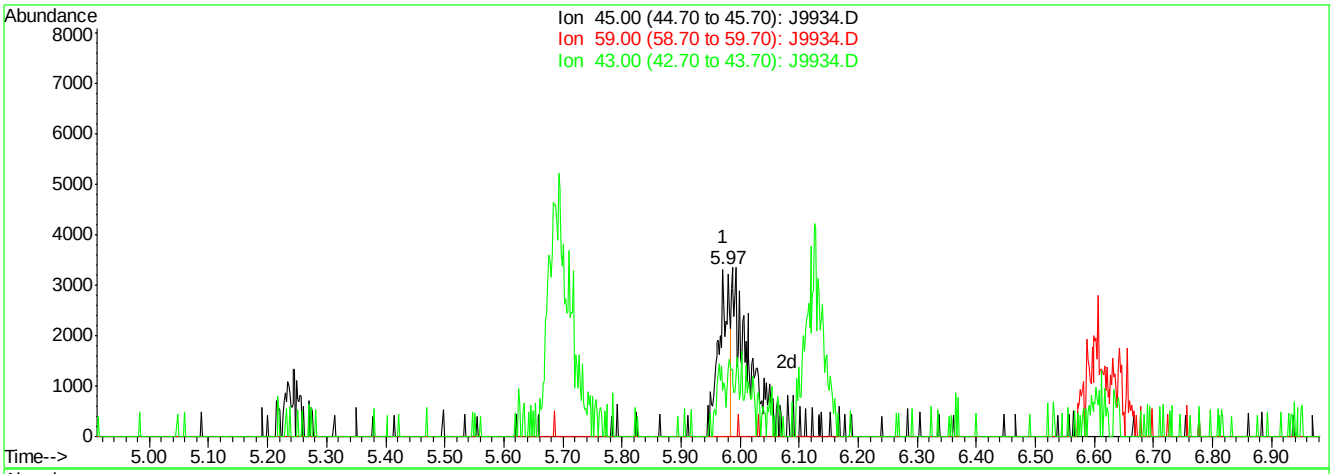
J9934.D J040407T.M Thu Apr 05 17:13:02 2007

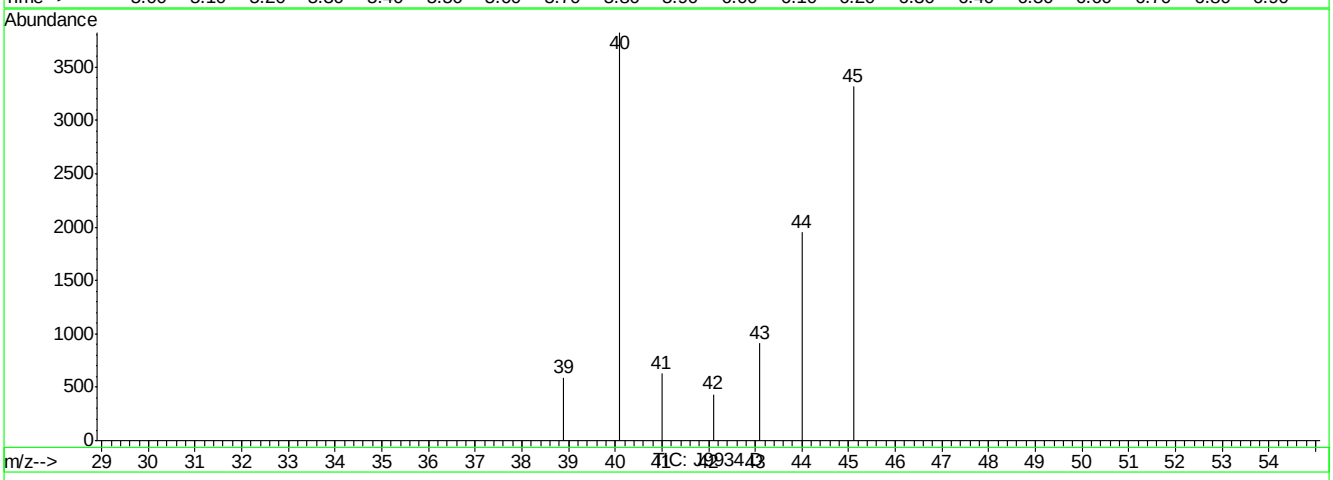
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.97min 0.08PPBV

response 3950

Ion	Exp%	Act%
45.00	100	100
59.00	3.50	0.00
43.00	19.80	27.49
0.00	0.00	0.00

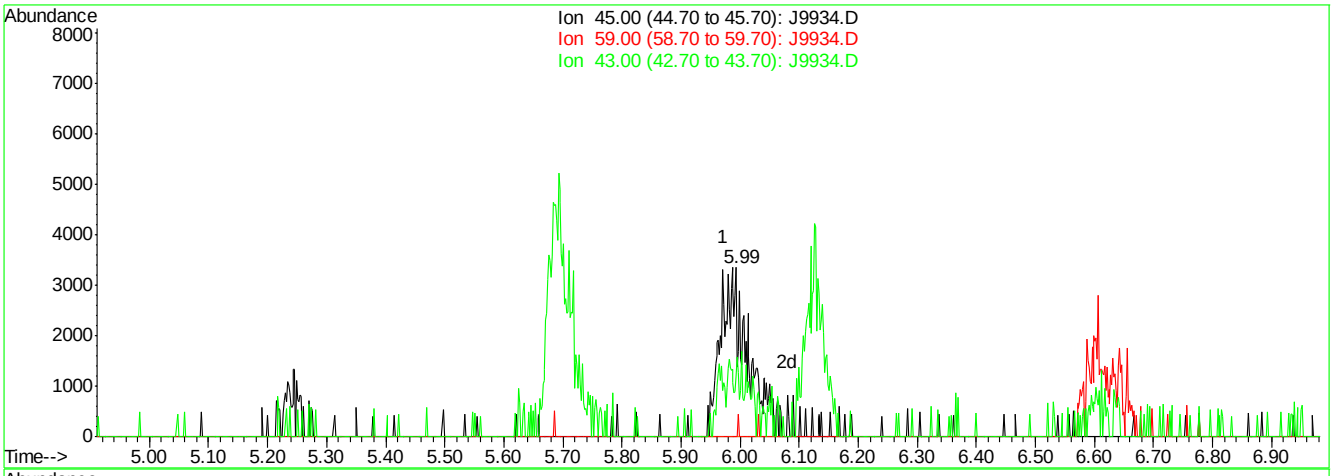
J9934.D J040407T.M Thu Apr 05 17:13:13 2007

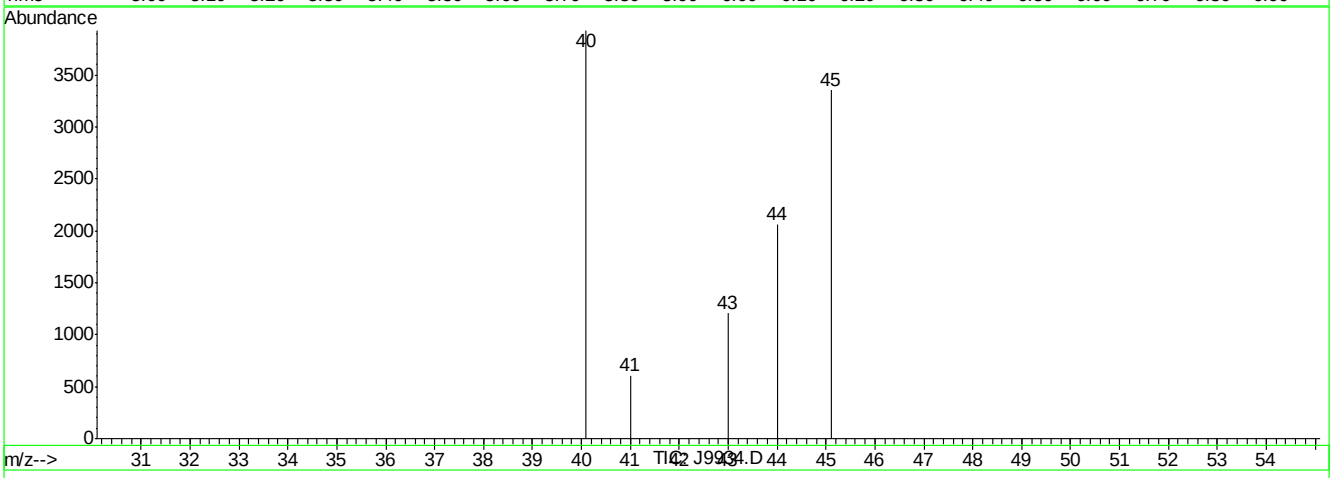
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.99min 0.23PPBV m

response 10815

Ion	Exp%	Act%
45.00	100	100
59.00	3.50	0.00
43.00	19.80	36.04
0.00	0.00	0.00

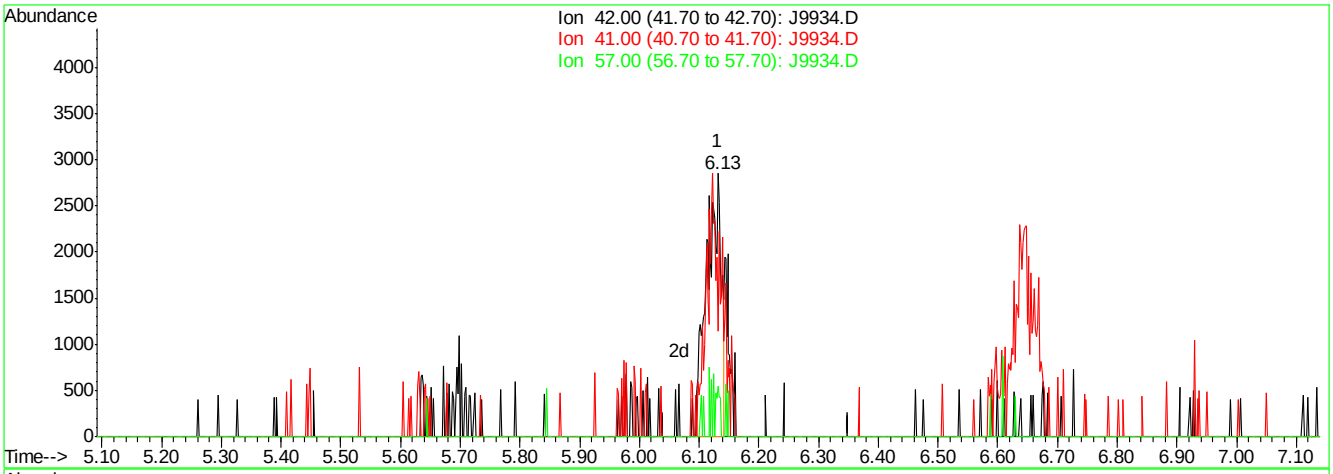
J9934.D J040407T.M Thu Apr 05 17:13:17 2007

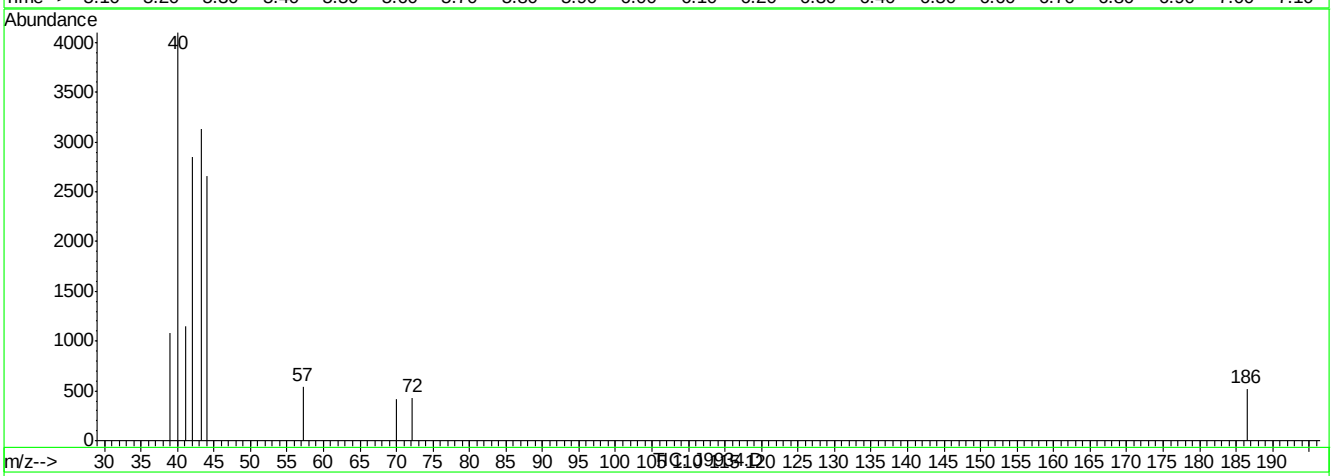
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.13min 0.18PPBV

response 4840

Ion	Exp%	Act%
42.00	100	100
41.00	100.70	104.32
57.00	26.60	6.49#
0.00	0.00	0.00

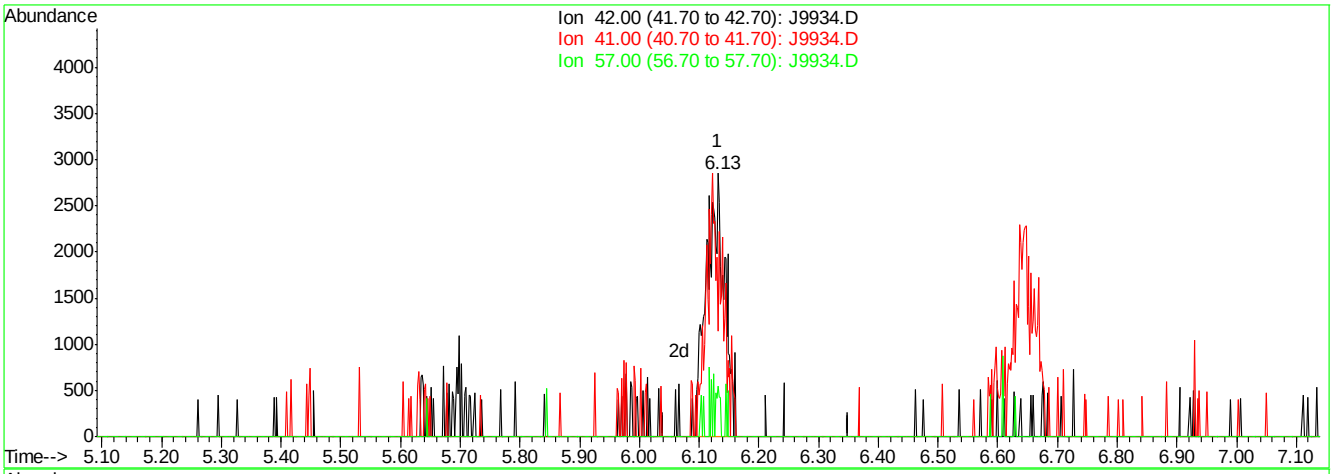
J9934.D J040407T.M Thu Apr 05 17:13:22 2007

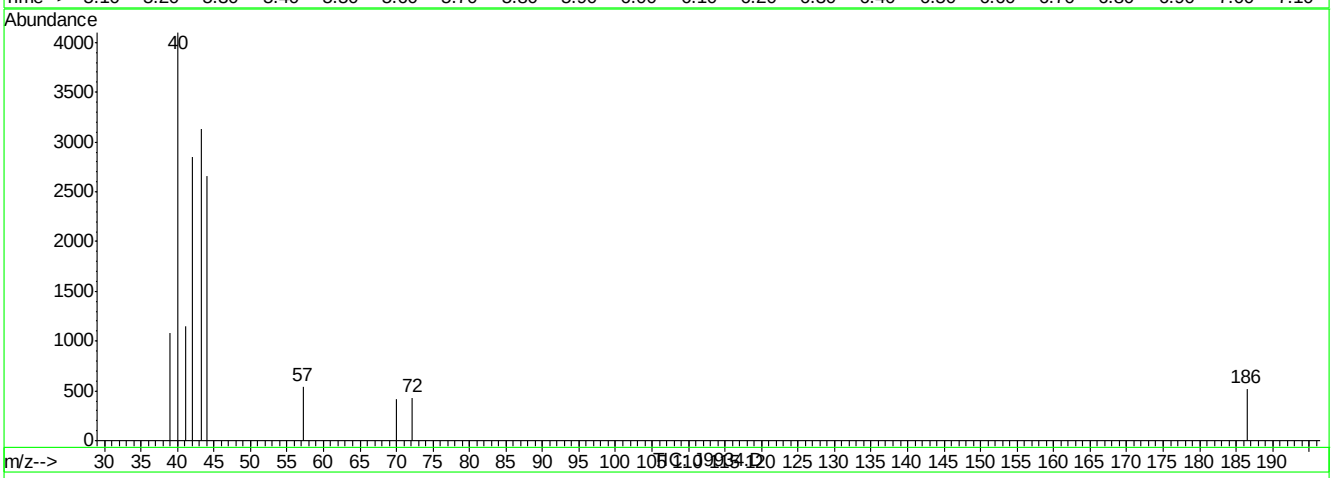
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.13min 0.23PPBV m

response 6119

Ion	Exp%	Act%
42.00	100	100
41.00	100.70	82.51
57.00	26.60	5.13#
0.00	0.00	0.00

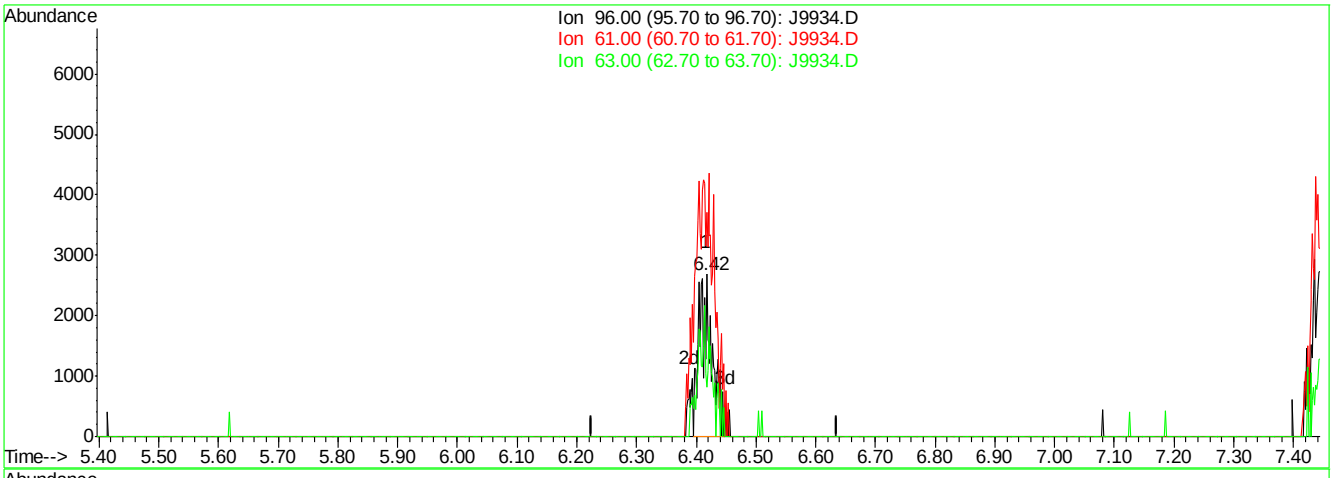
J9934.D J040407T.M Thu Apr 05 17:13:25 2007

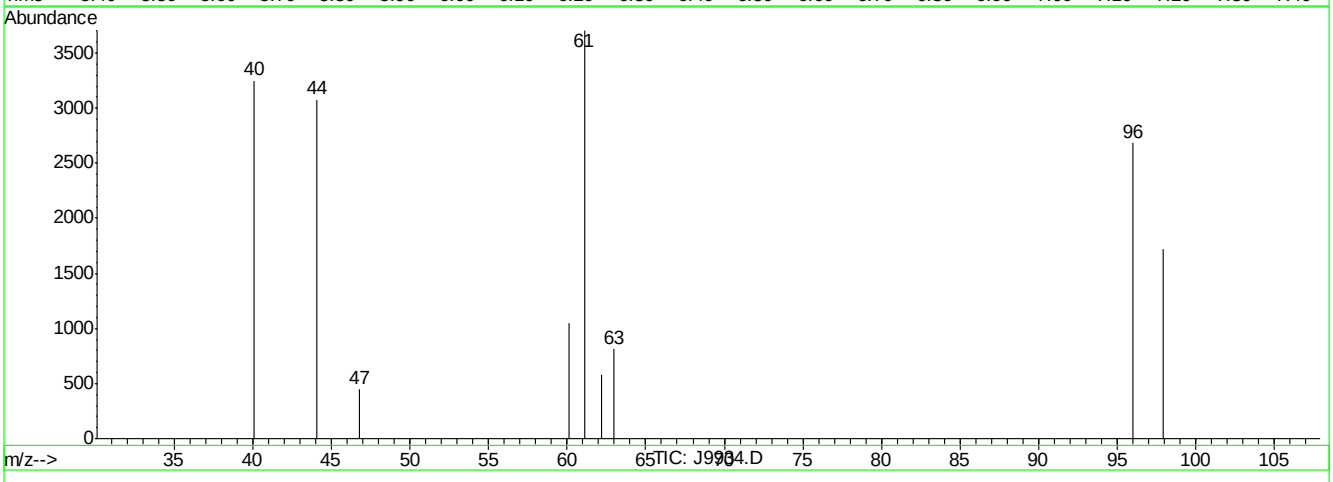
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.14PPBV

response 3959

Ion	Exp%	Act%
96.00	100	100
61.00	178.40	229.33#
63.00	57.50	31.19#
0.00	0.00	0.00

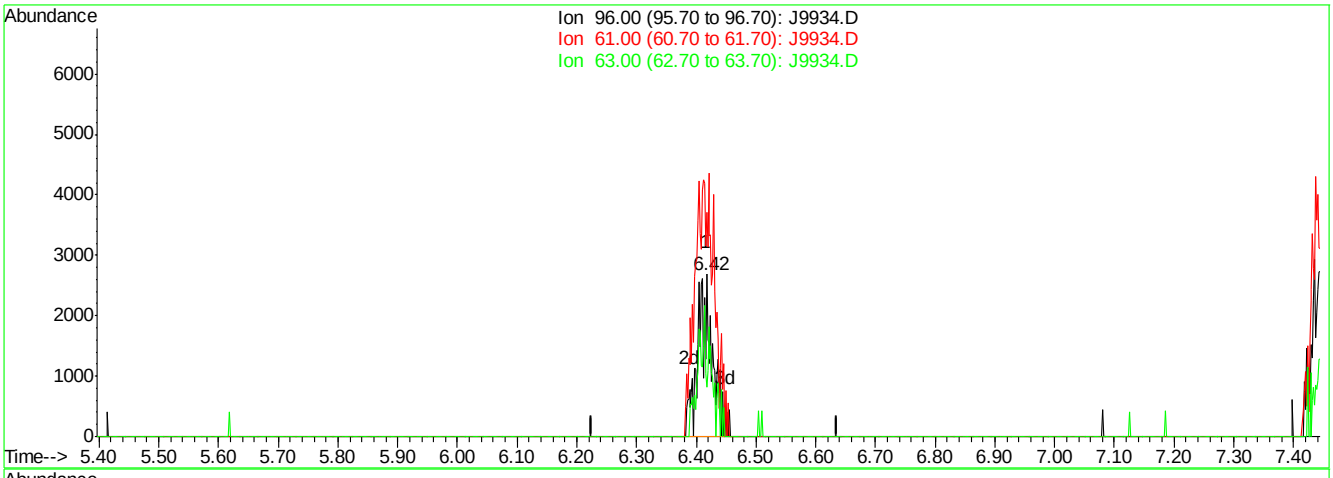
J9934.D J040407T.M Thu Apr 05 17:13:30 2007

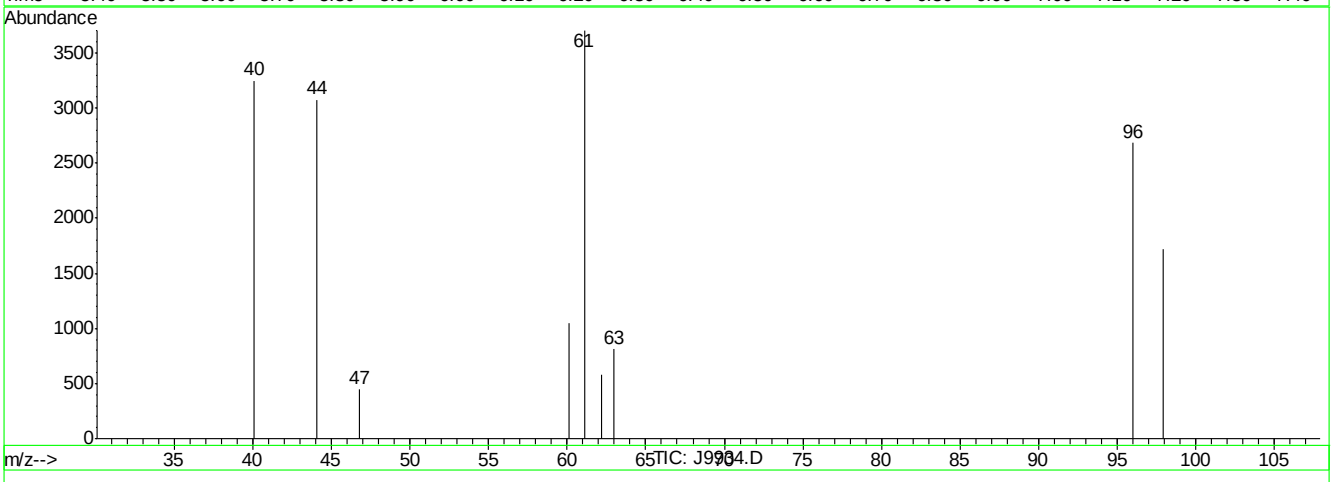
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.16PPBV m

response 4590

Ion	Exp%	Act%
96.00	100	100
61.00	178.40	197.80
63.00	57.50	26.91#
0.00	0.00	0.00

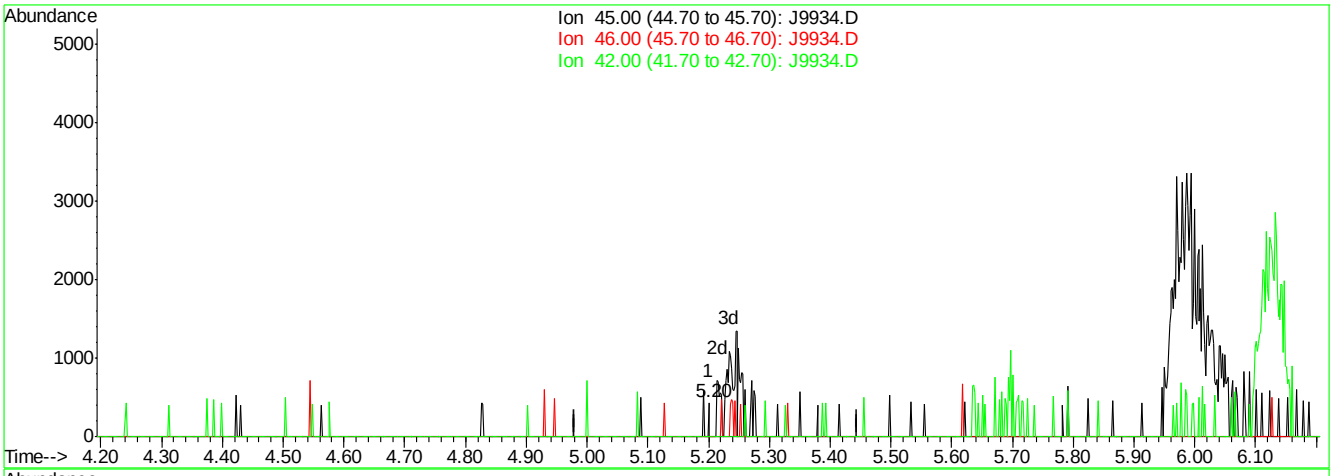
J9934.D J040407T.M Thu Apr 05 17:13:33 2007

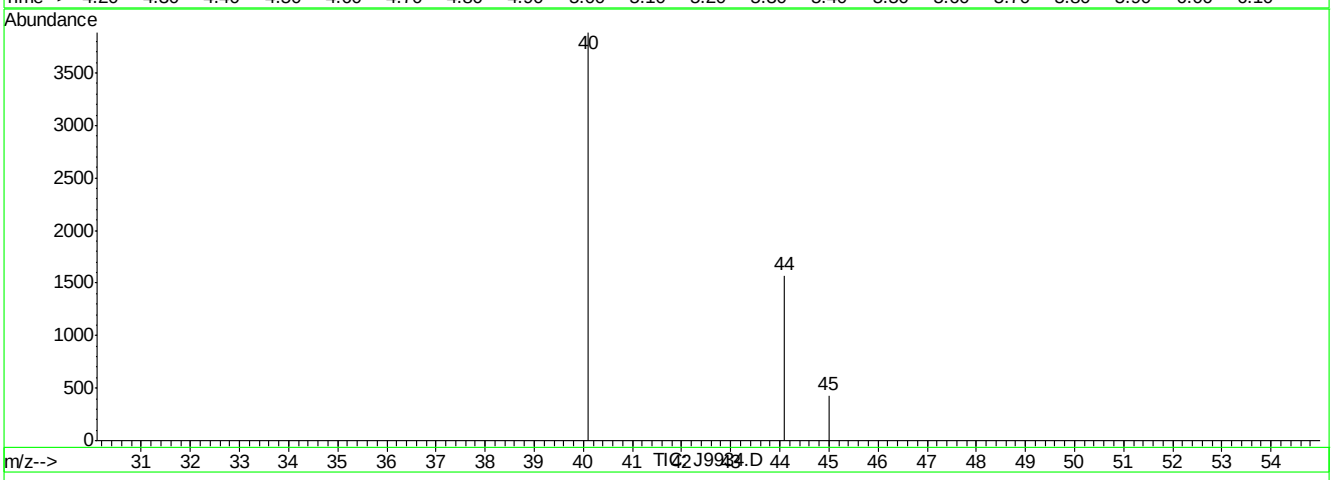
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.20min 0.01PPBV

response 46

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	0.00#
42.00	1.50	0.00
0.00	0.00	0.00

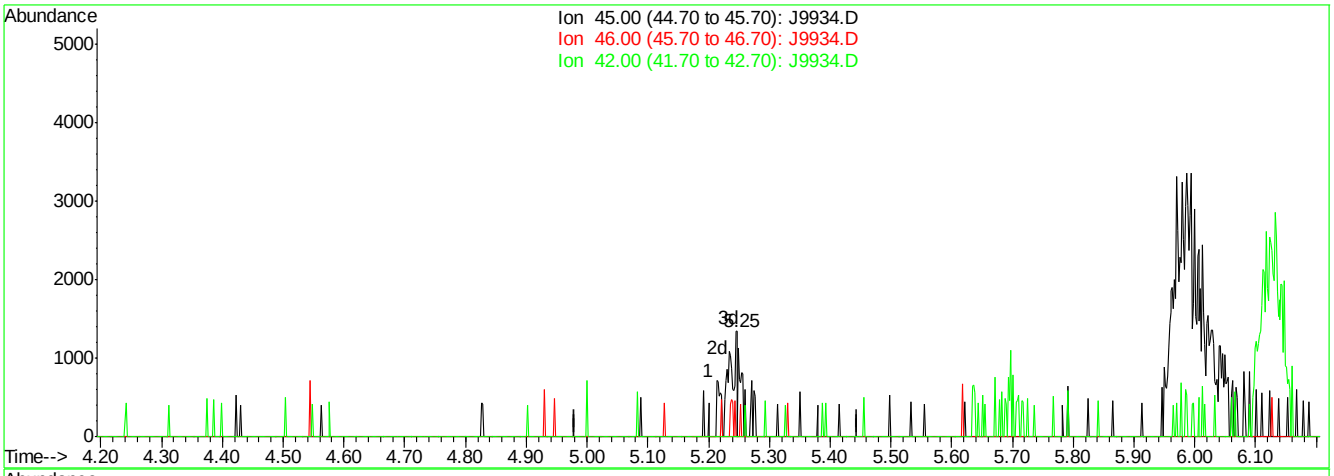
J9934.D J040407T.M Thu Apr 05 17:13:37 2007

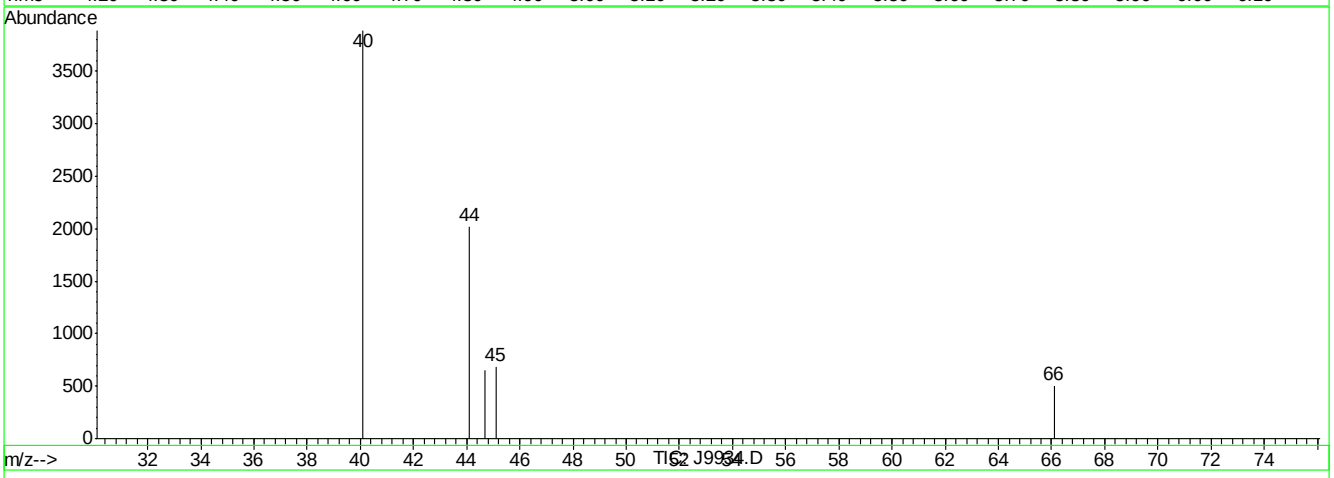
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.25min 0.24PPBV m

response 2212

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	0.00#
42.00	1.50	0.00
0.00	0.00	0.00

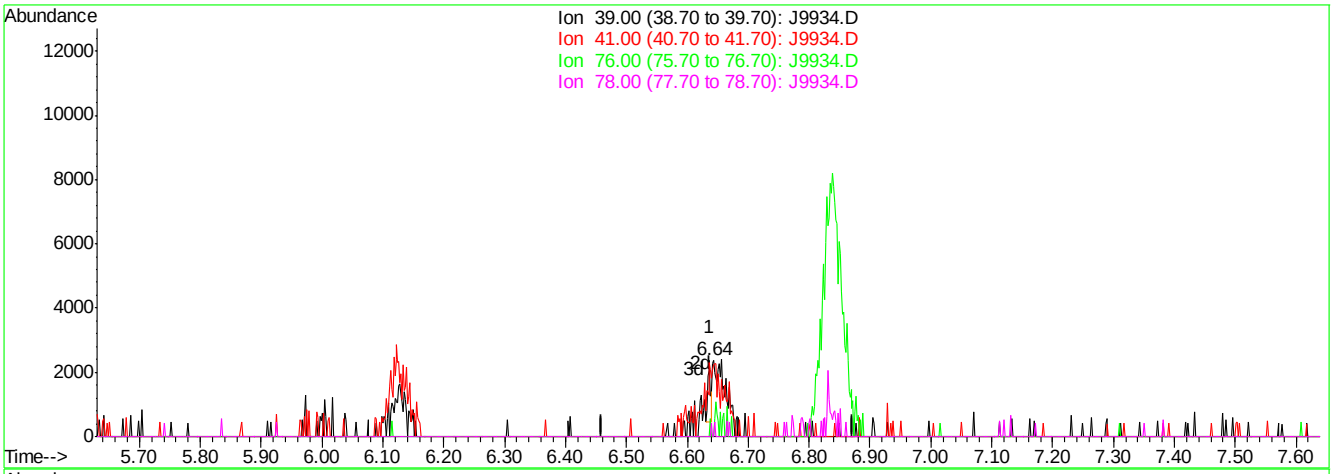
J9934.D J040407T.M Thu Apr 05 17:13:41 2007

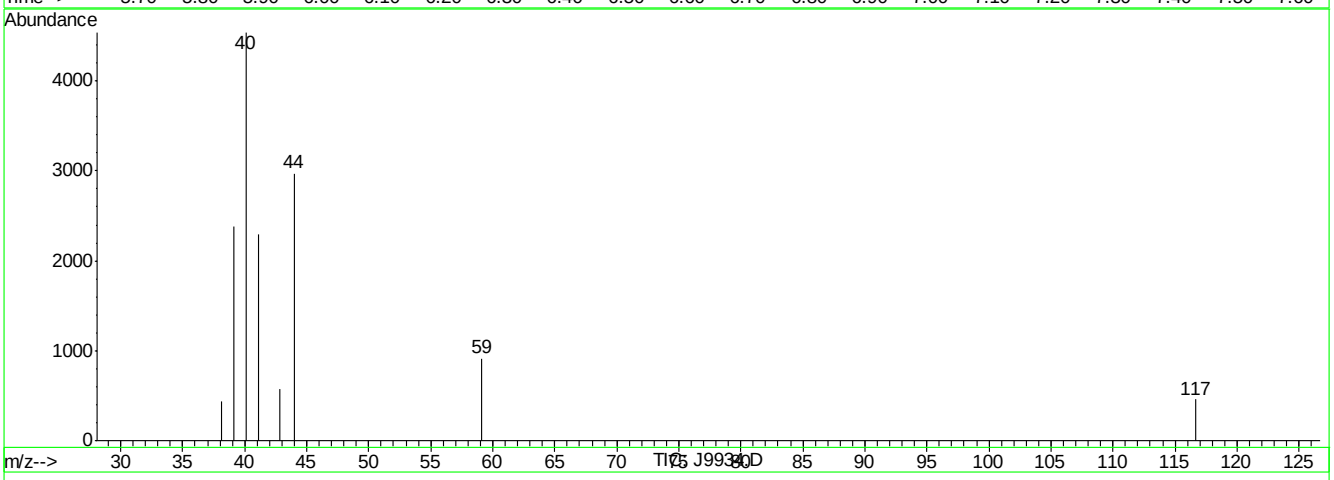
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(19) 3-CHLOROPROPENE (m)

6.64min 0.03PPBV

response 745

Ion	Exp%	Act%
39.00	100	100
41.00	112.80	293.83#
76.00	43.50	70.20#
78.00	14.30	12.48

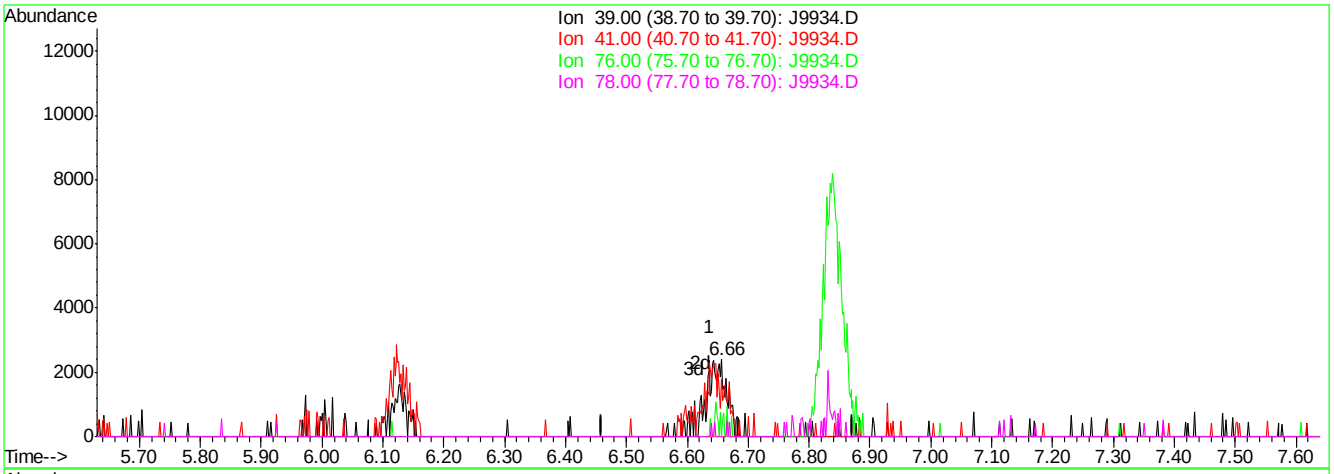
J9934.D J040407T.M Thu Apr 05 17:13:48 2007

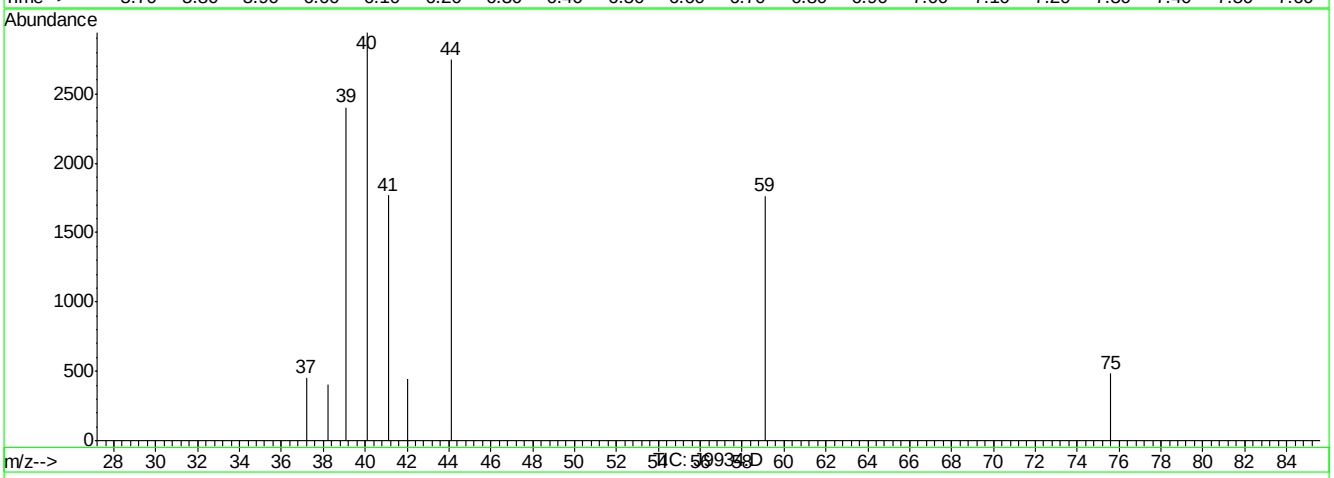
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(19) 3-CHLOROPROPENE (m)

6.66min 0.19PPBV m

response 5214

Ion	Exp%	Act%
39.00	100	100
41.00	112.80	41.98#
76.00	43.50	10.03#
78.00	14.30	1.78

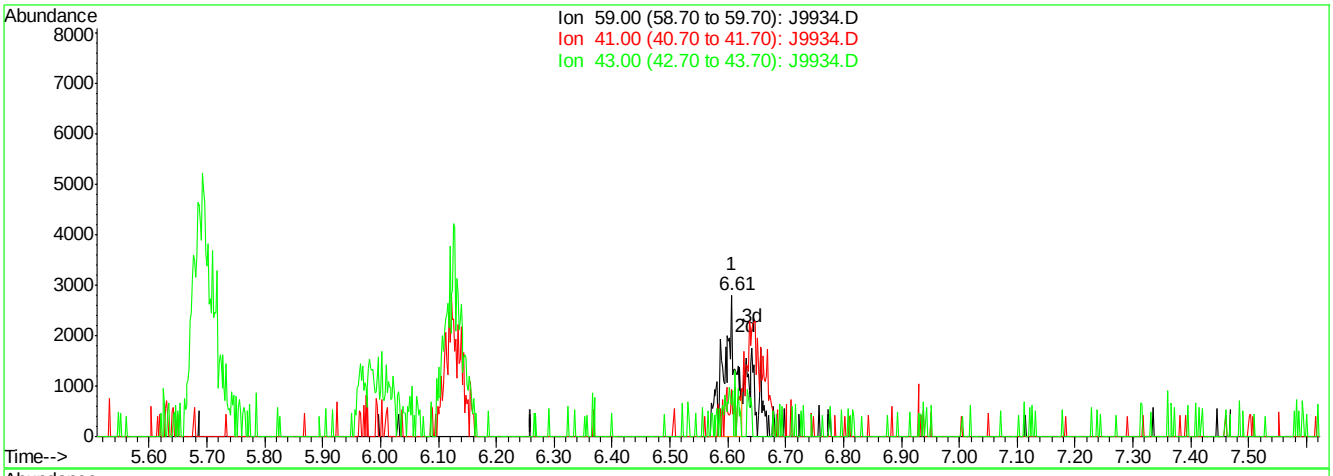
J9934.D J040407T.M Thu Apr 05 17:13:54 2007

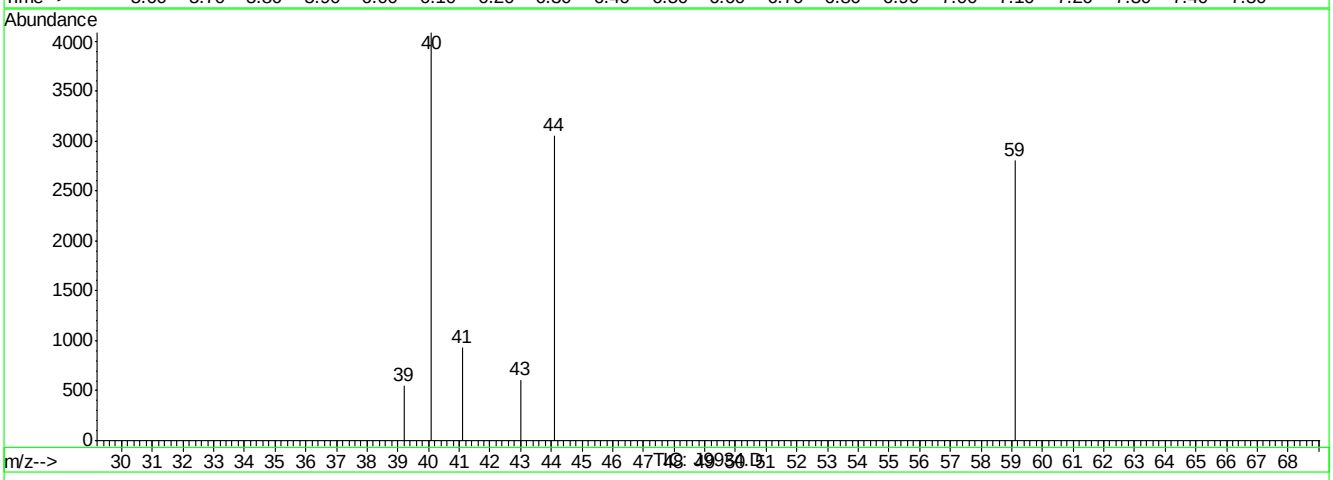
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.61min 0.08PPBV

response 4052

Ion	Exp%	Act%
59.00	100	100
41.00	7.90	9.72
43.00	16.20	17.13
0.00	0.00	0.00

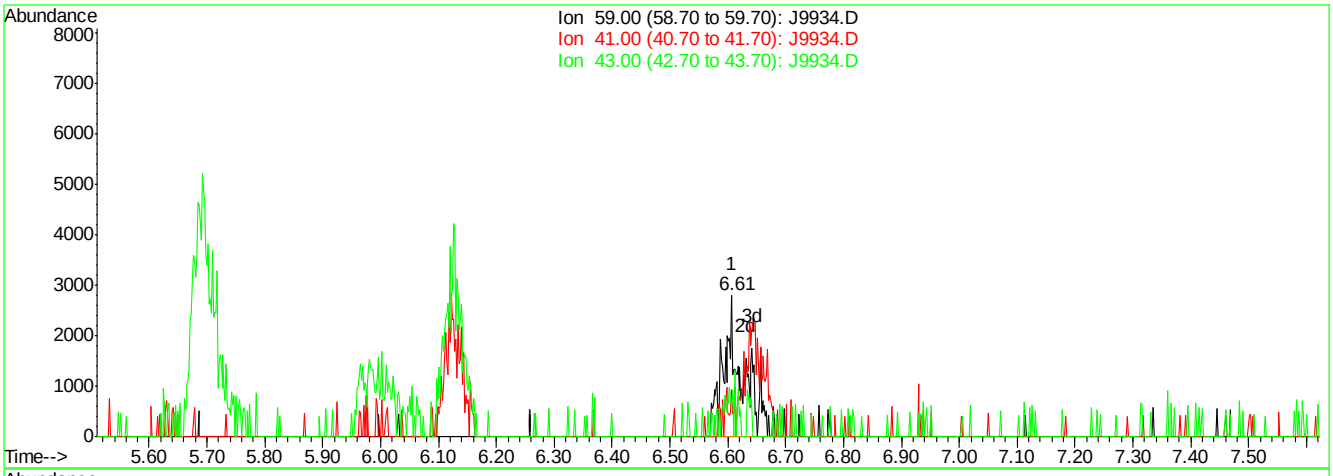
J9934.D J040407T.M Thu Apr 05 17:13:58 2007

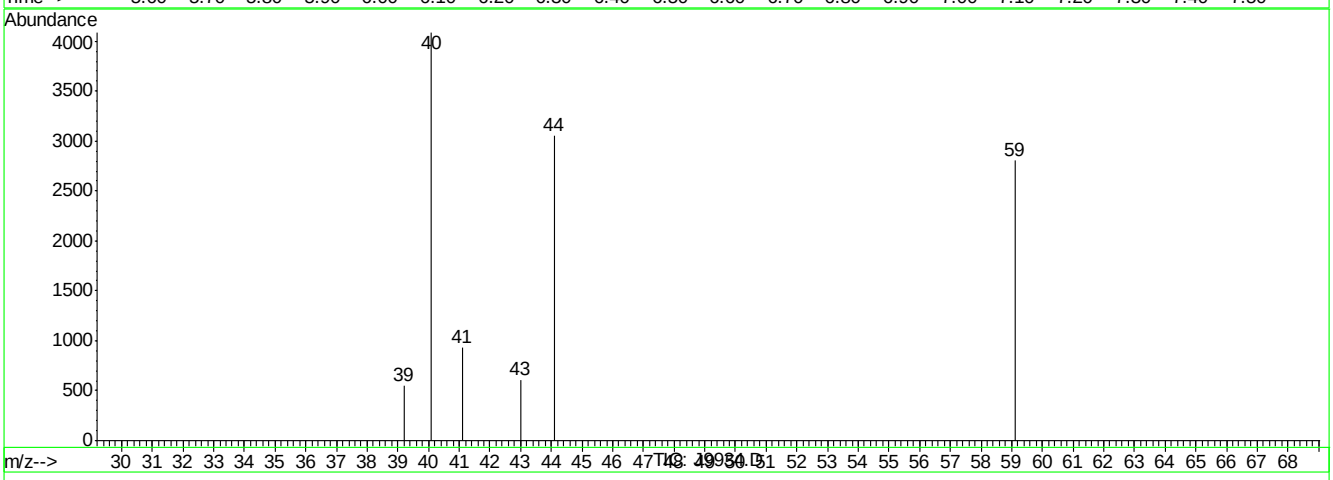
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.61min 0.13PPBV m

response 6533

Ion	Exp%	Act%
59.00	100	100
41.00	7.90	6.03
43.00	16.20	10.62
0.00	0.00	0.00

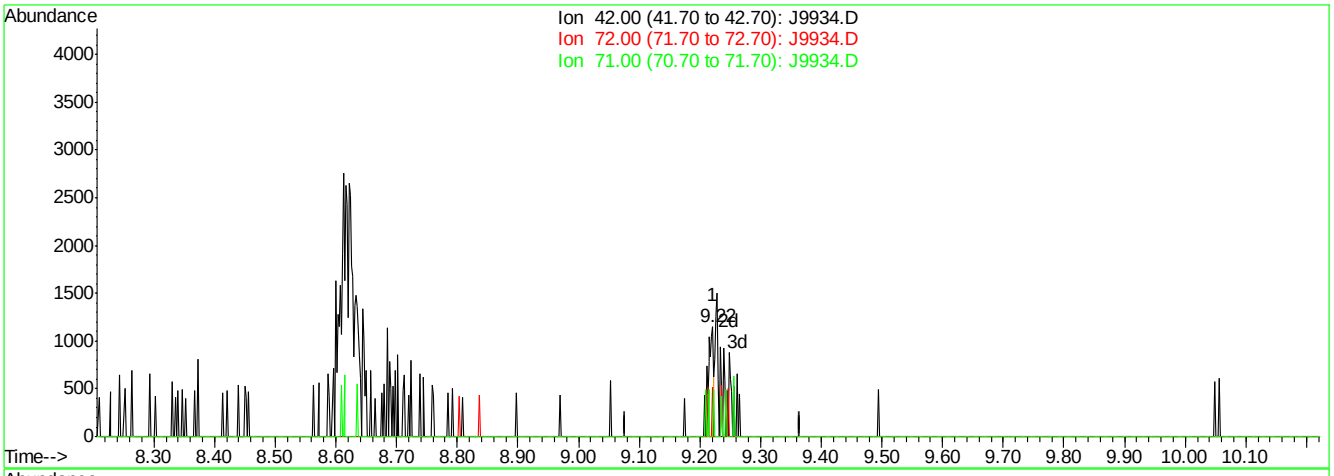
J9934.D J040407T.M Thu Apr 05 17:14:05 2007

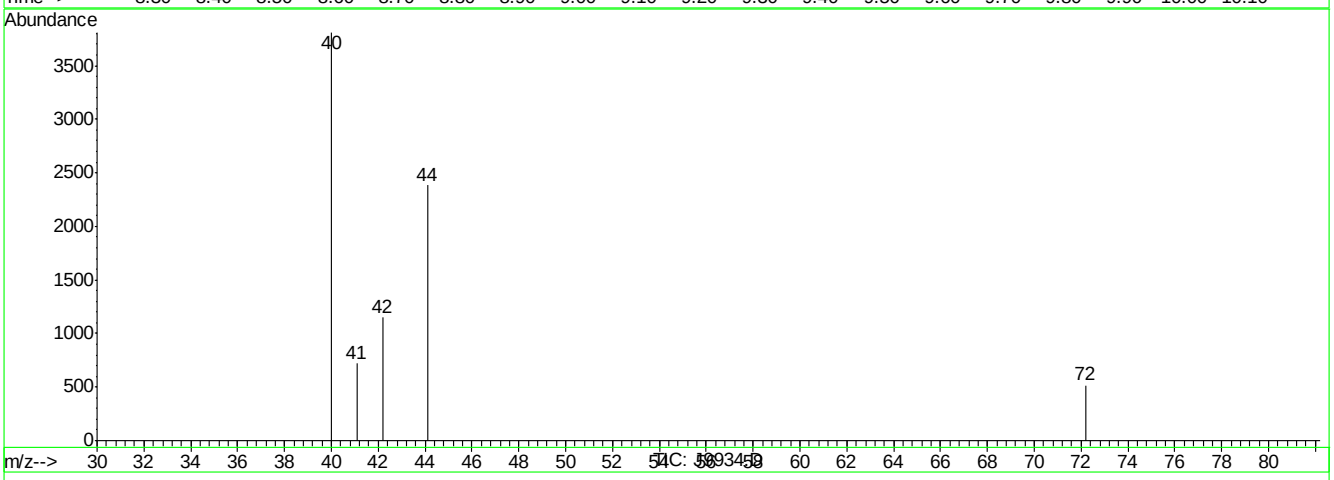
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.22min 0.04PPBV

response 754

Ion	Exp%	Act%
42.00	100	100
72.00	43.80	0.00#
71.00	42.90	7.03#
0.00	0.00	0.00

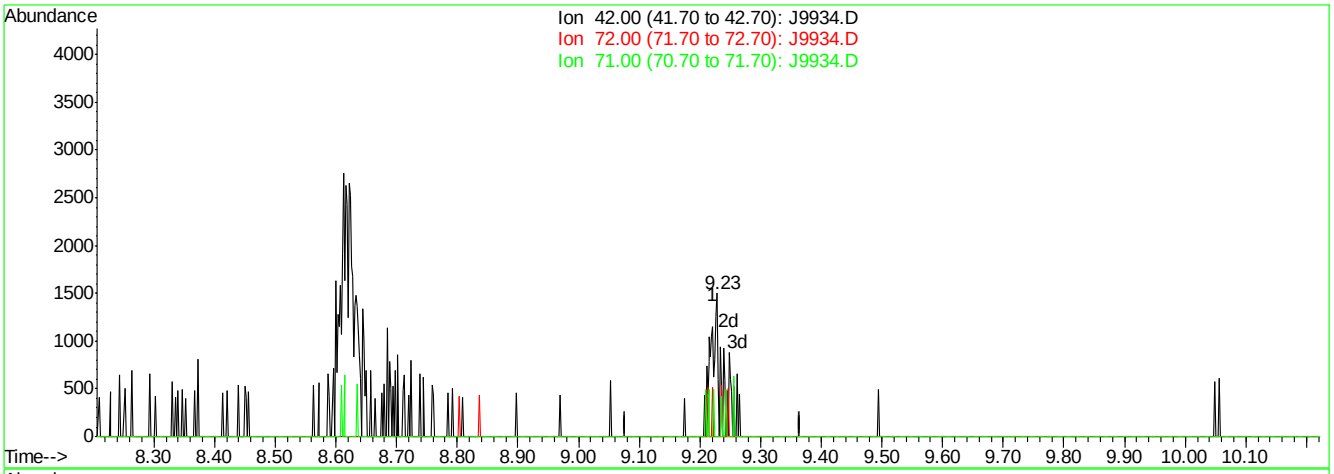
J9934.D J040407T.M Thu Apr 05 17:14:10 2007

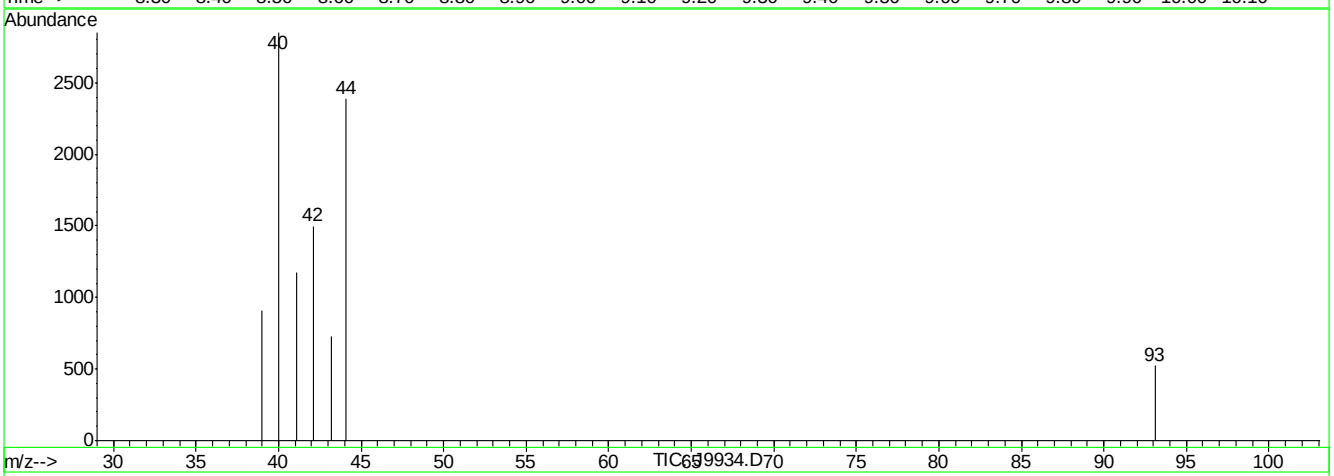
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.23min 0.10PPBV m

response 1944

Ion	Exp%	Act%
42.00	100	100
72.00	43.80	0.00#
71.00	42.90	2.73#
0.00	0.00	0.00

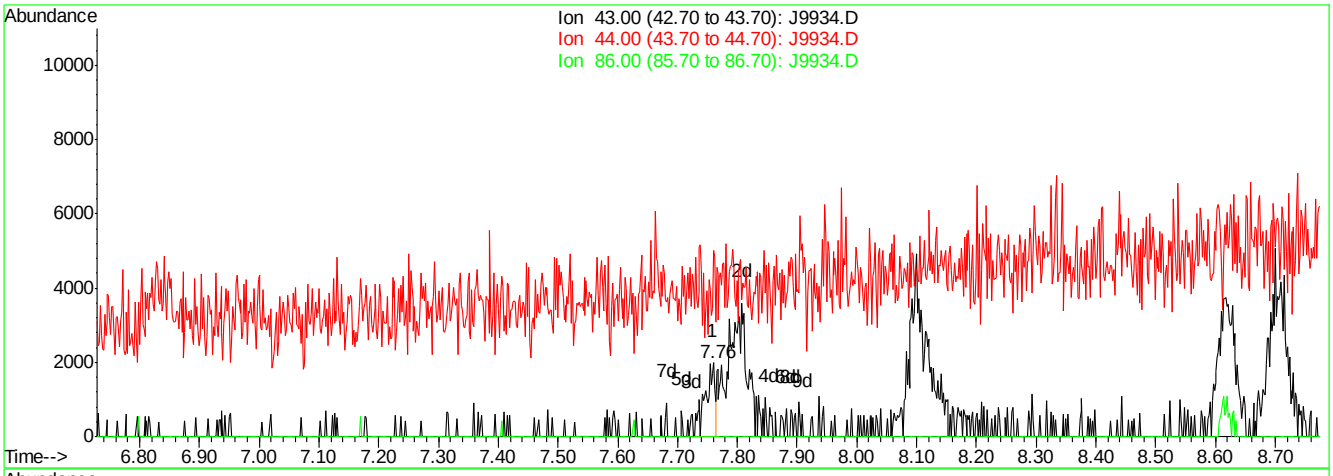
J9934.D J040407T.M Thu Apr 05 17:14:13 2007

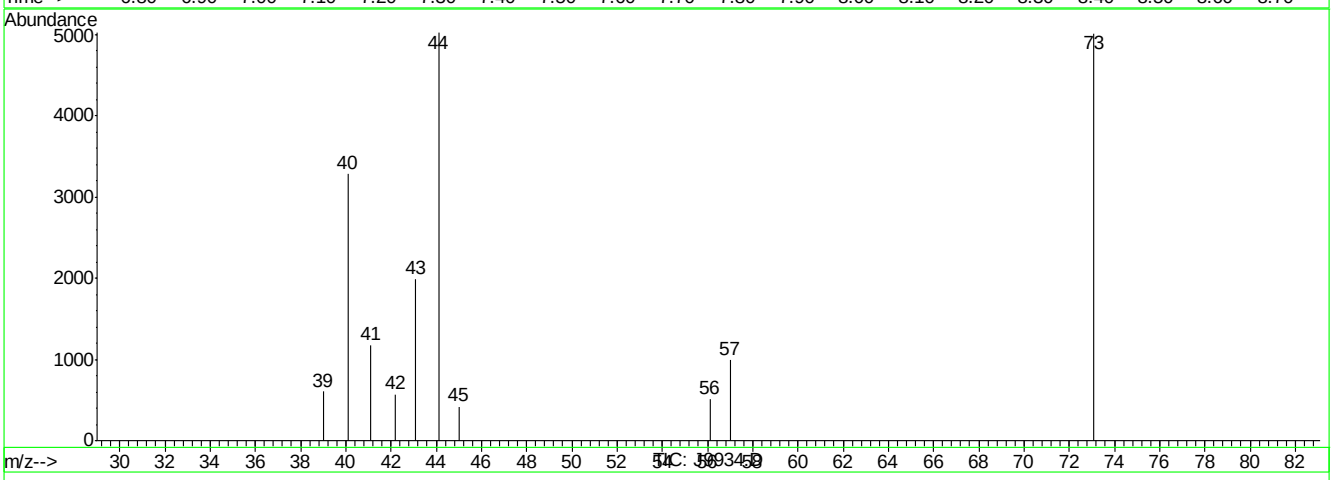
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(26) VINYL ACETATE (m)

7.76min 0.05PPBV

response 2203

Ion	Exp%	Act%
43.00	100	100
44.00	5.90	26.96#
86.00	8.50	0.00
0.00	0.00	0.00

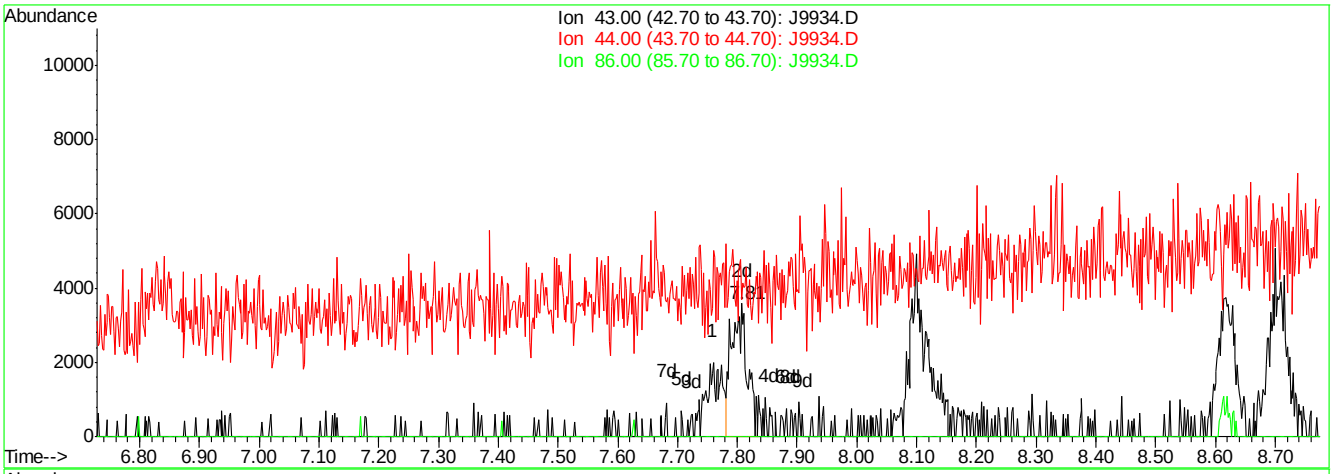
J9934.D J040407T.M Thu Apr 05 17:14:18 2007

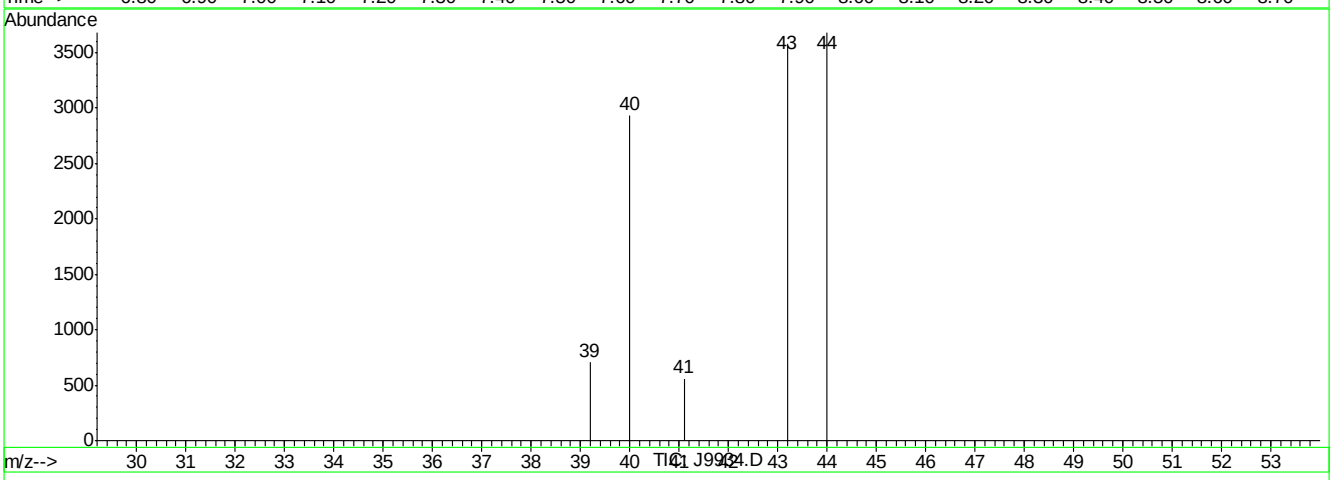
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(26) VINYL ACETATE (m)

7.81min 0.15PPBV m

response 6548

Ion	Exp%	Act%
43.00	100	100
44.00	5.90	9.07
86.00	8.50	0.00
0.00	0.00	0.00

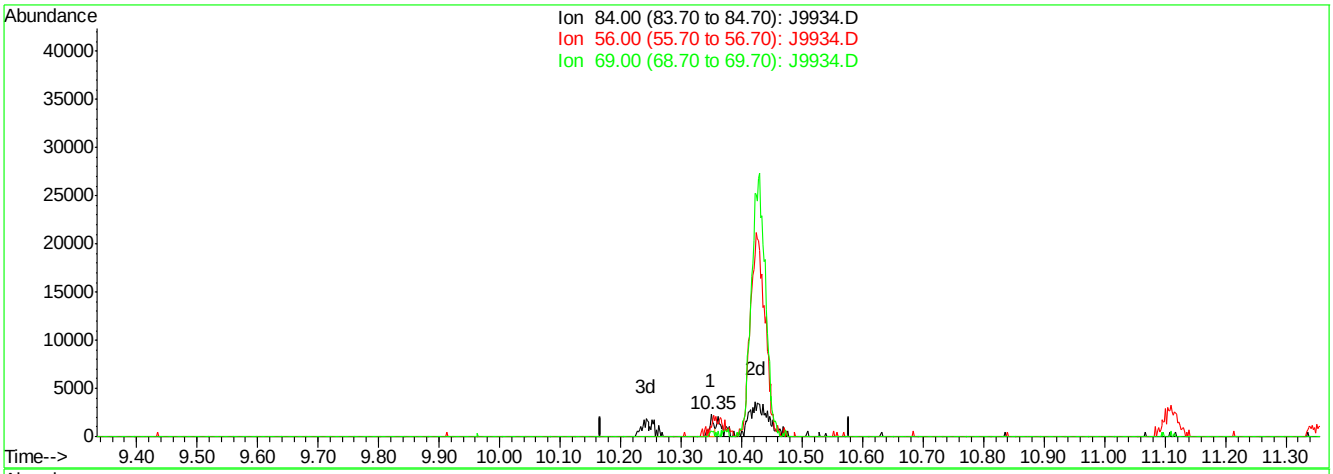
J9934.D J040407T.M Thu Apr 05 17:14:23 2007

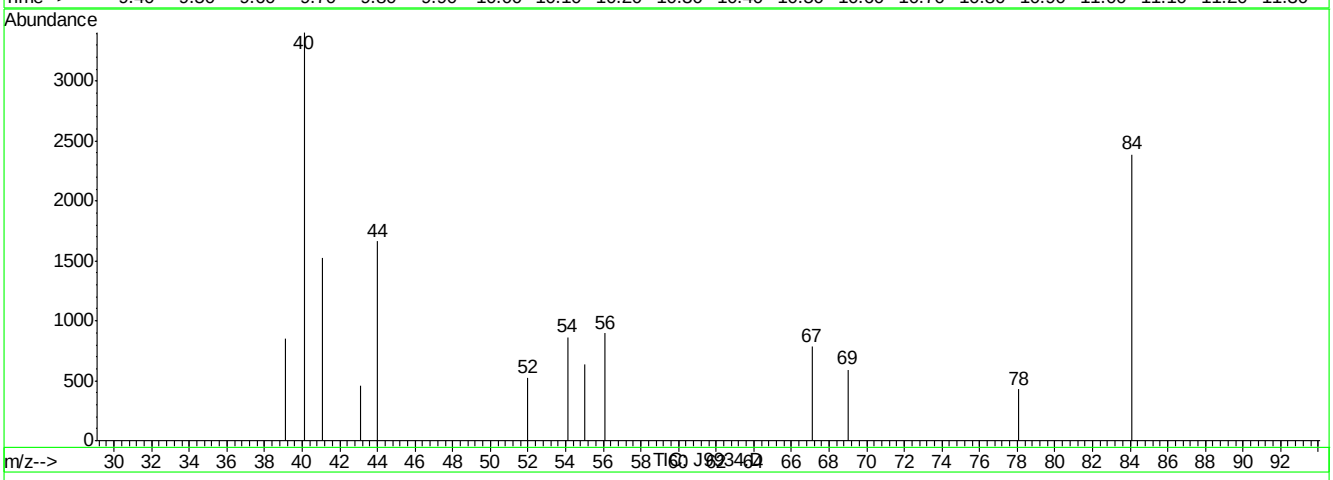
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(37) CYCLOHEXANE (m)

10.35min 0.04PPBV

response 1020

Ion	Exp%	Act%
84.00	100	100
56.00	110.80	322.25#
69.00	33.80	0.00#
0.00	0.00	0.00

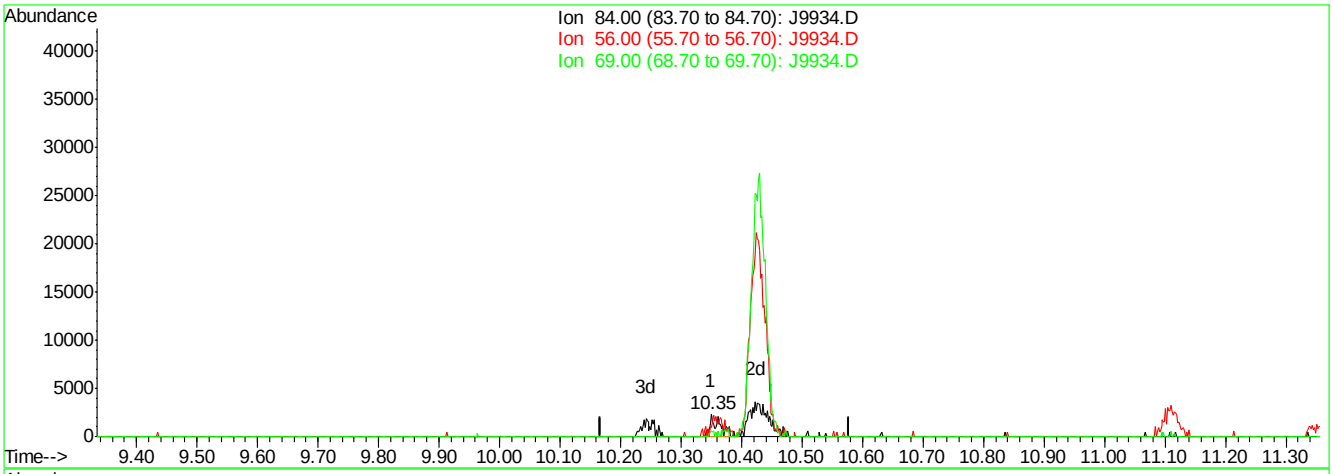
J9934.D J040407T.M Thu Apr 05 17:14:38 2007

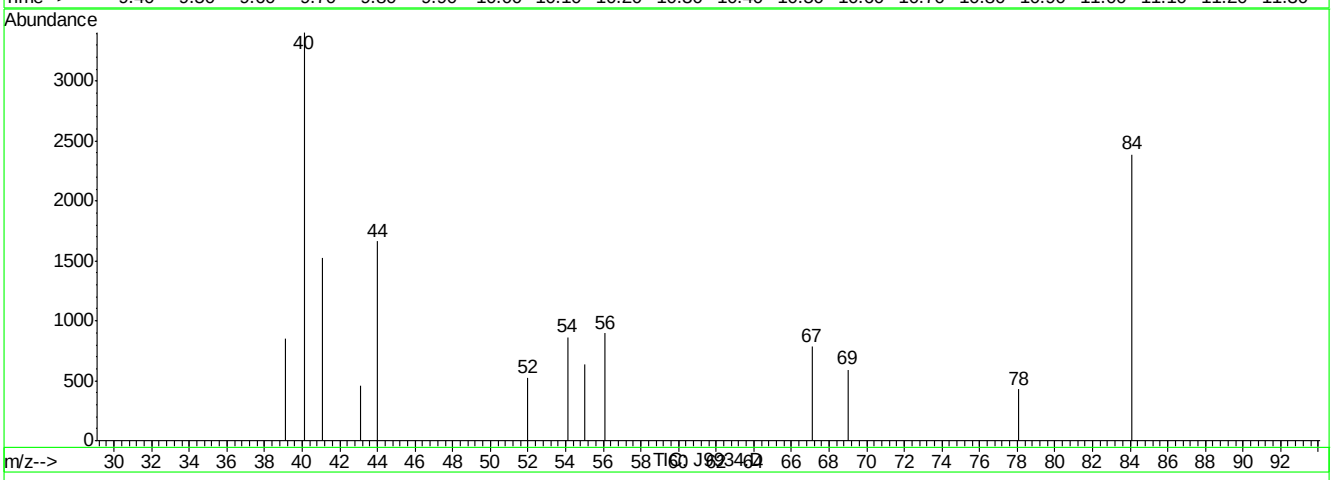
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(37) CYCLOHEXANE (m)

10.35min 0.10PPBV m

response 2606

Ion	Exp%	Act%
84.00	100	100
56.00	110.80	126.13
69.00	33.80	0.00#
0.00	0.00	0.00

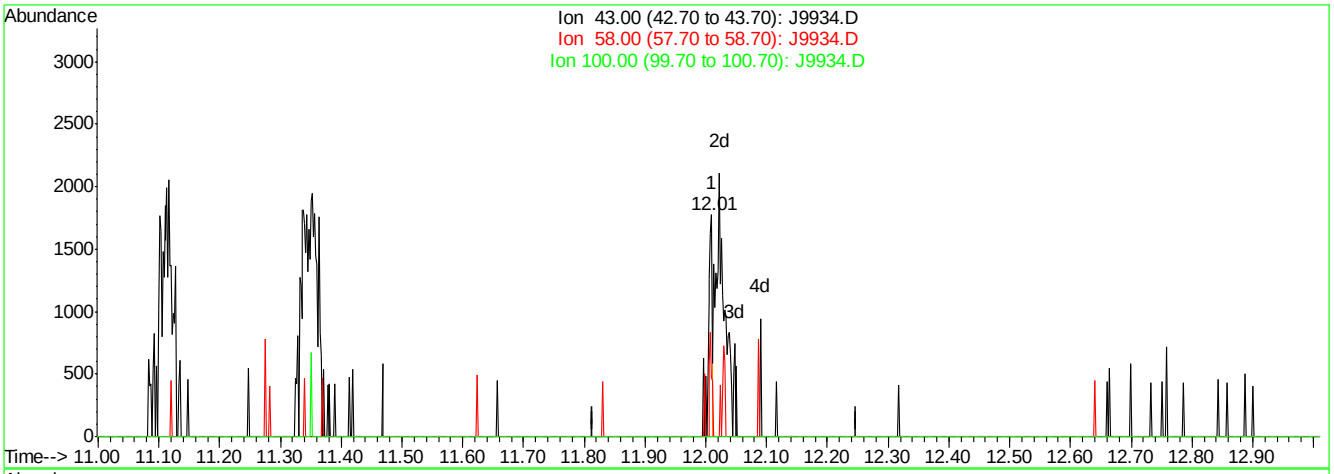
J9934.D J040407T.M Thu Apr 05 17:14:42 2007

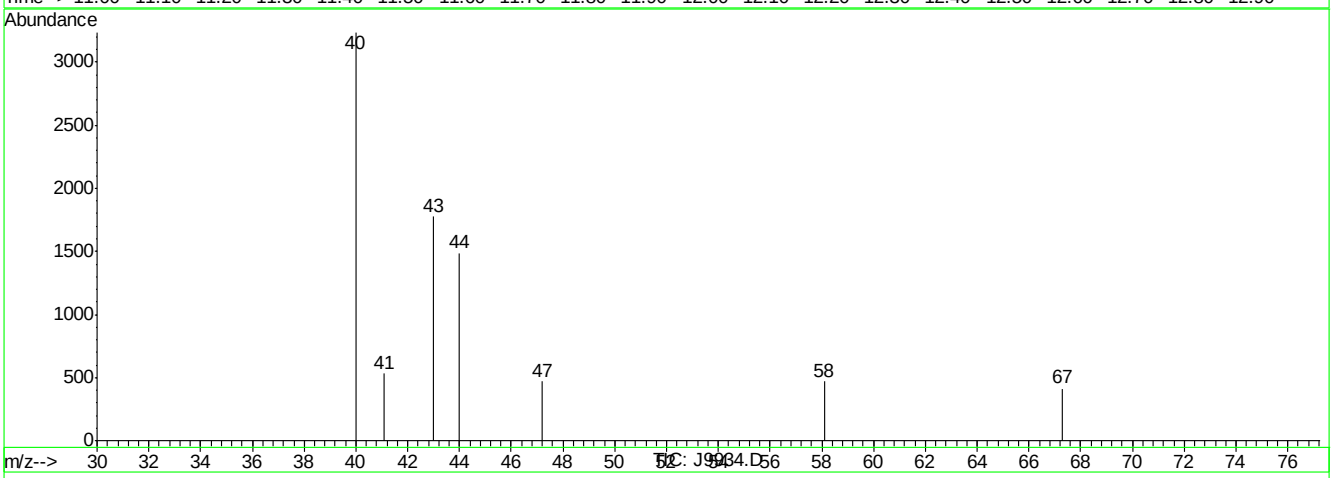
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.01min 0.02PPBV

response 777

Ion	Exp%	Act%
43.00	100	100
58.00	36.80	31.79
100.00	13.90	0.00
0.00	0.00	0.00

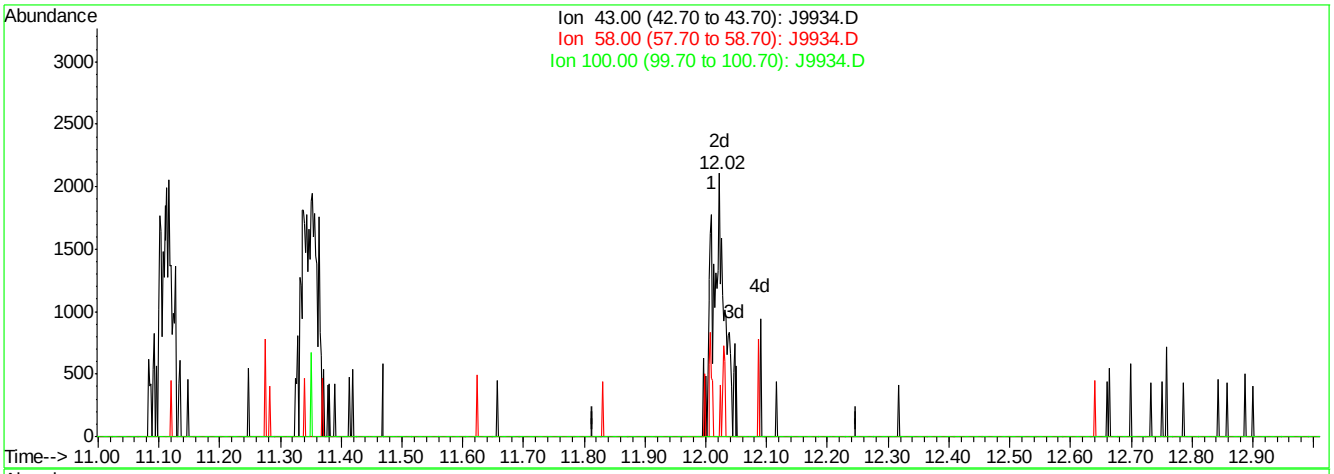
J9934.D J040407T.M Thu Apr 05 17:14:59 2007

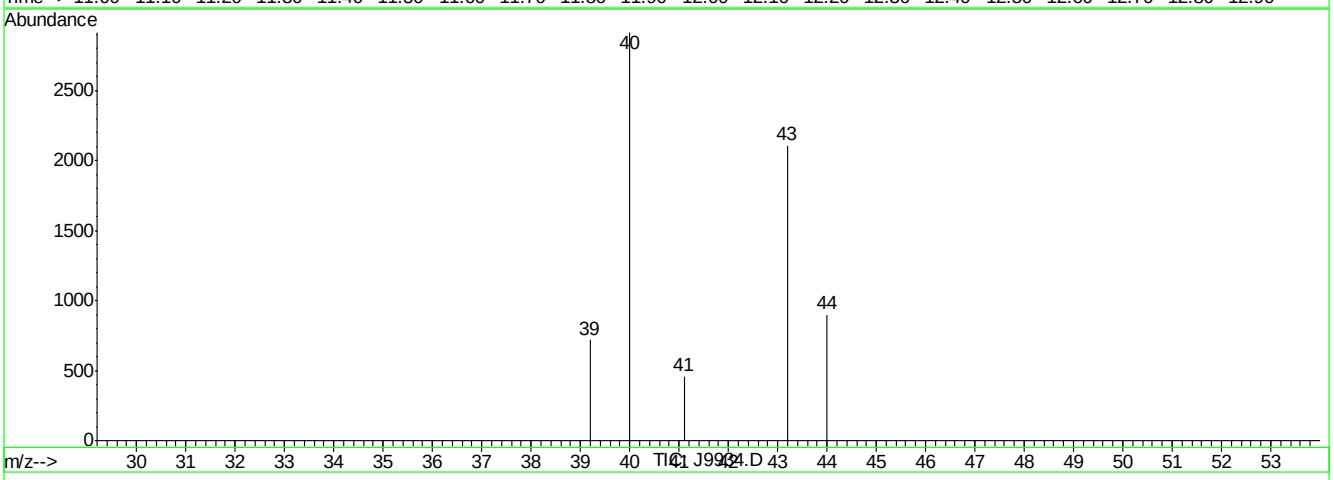
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.02min 0.07PPBV m

response 3009

Ion	Exp%	Act%
43.00	100	100
58.00	36.80	8.21#
100.00	13.90	0.00
0.00	0.00	0.00

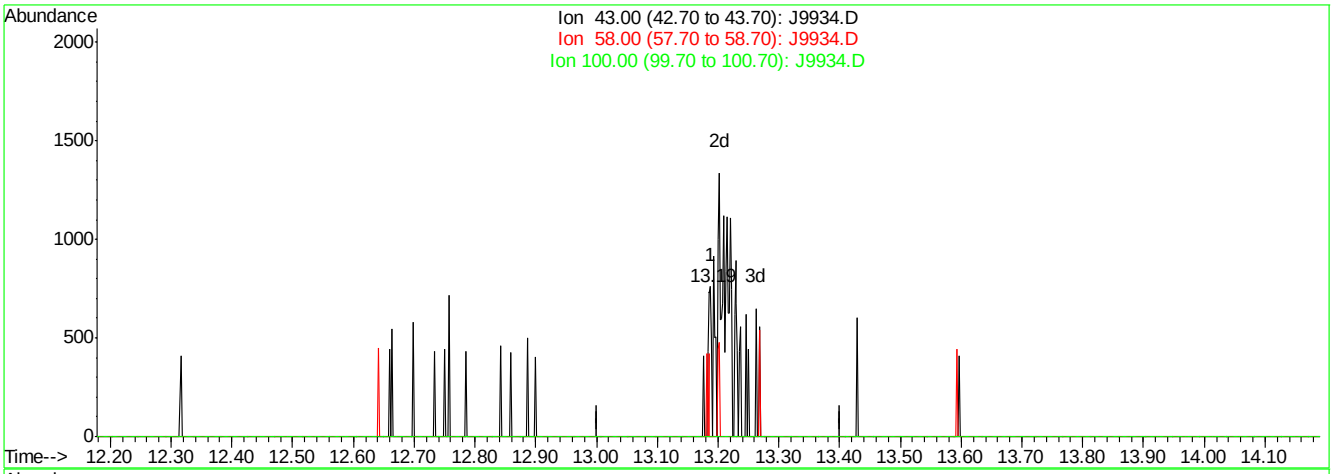
J9934.D J040407T.M Thu Apr 05 17:15:02 2007

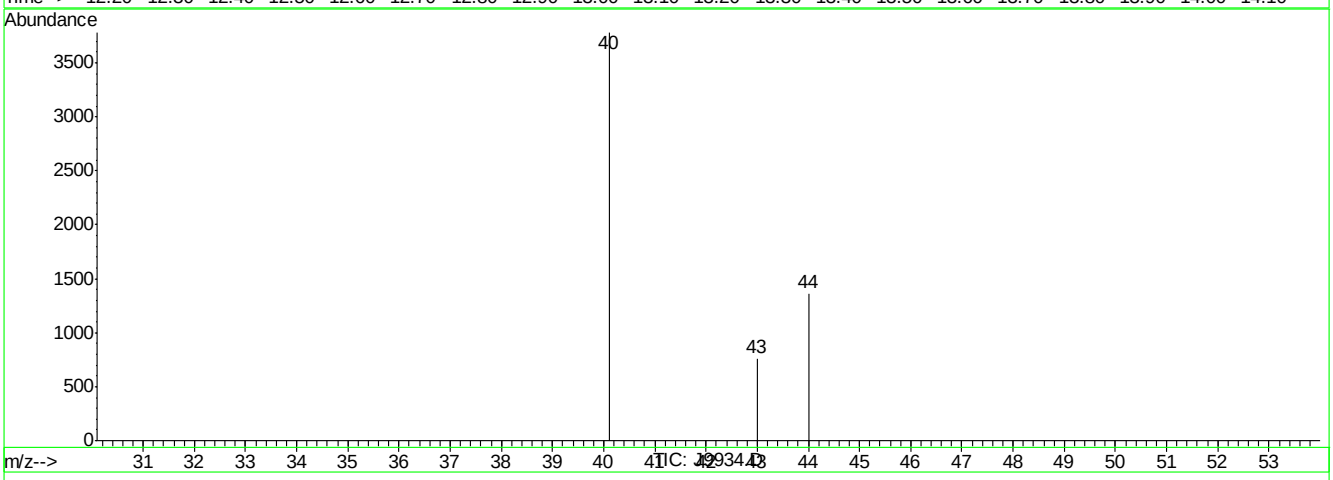
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.19min 0.01PPBV

response 334

Ion	Exp%	Act%
43.00	100	100
58.00	50.30	26.95#
100.00	9.90	0.00
0.00	0.00	0.00

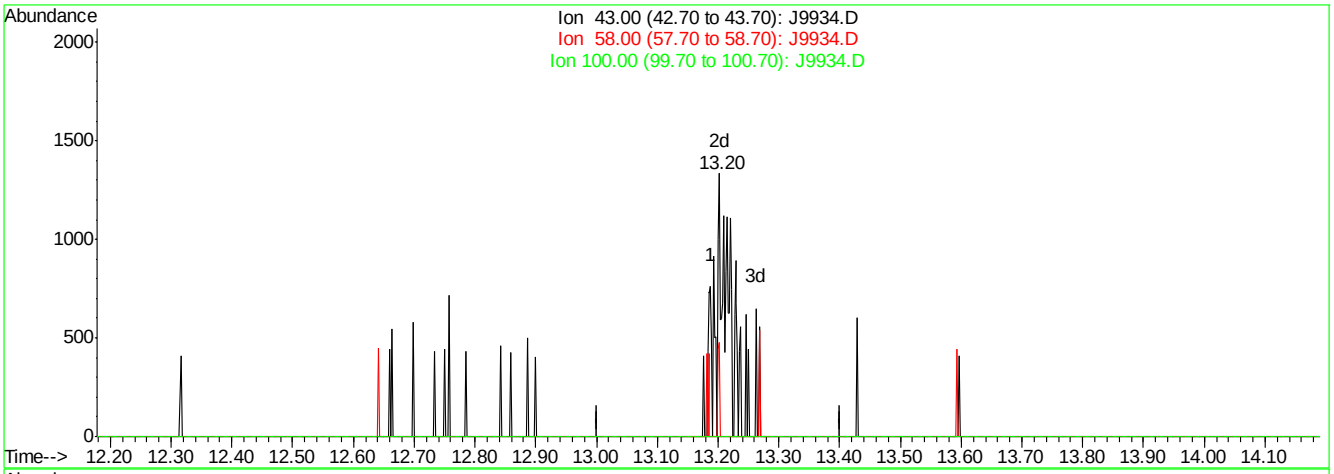
J9934.D J040407T.M Thu Apr 05 17:15:15 2007

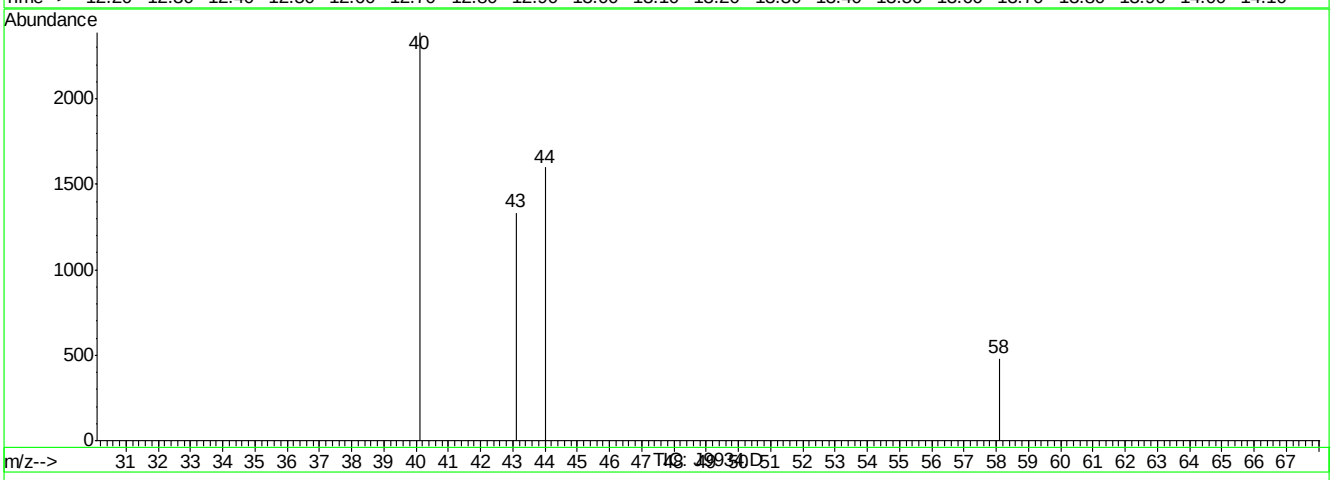
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.20min 0.07PPBV m

response 2357

Ion	Exp%	Act%
43.00	100	100
58.00	50.30	3.82#
100.00	9.90	0.00
0.00	0.00	0.00

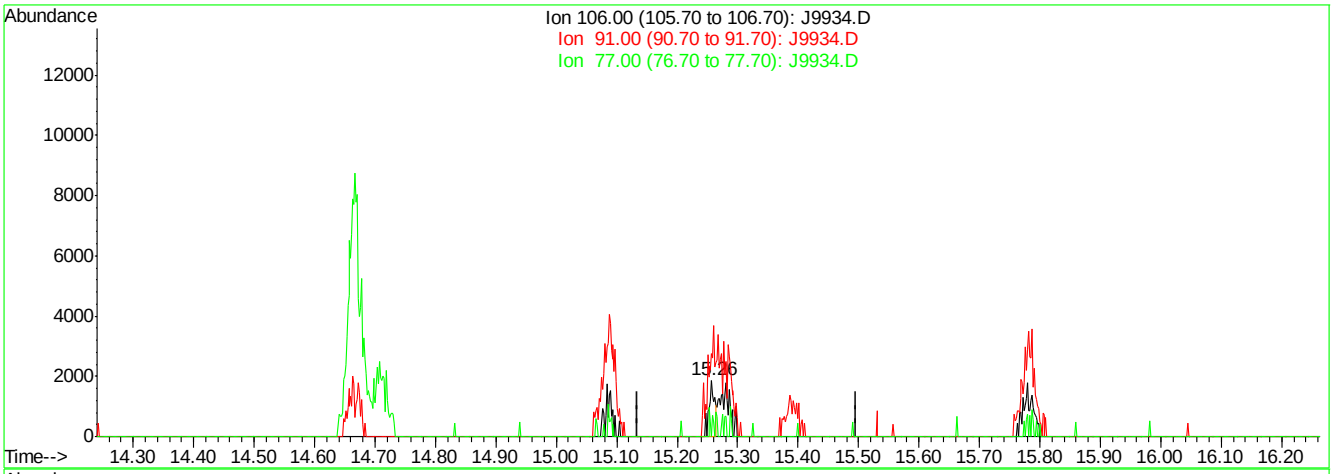
J9934.D J040407T.M Thu Apr 05 17:15:18 2007

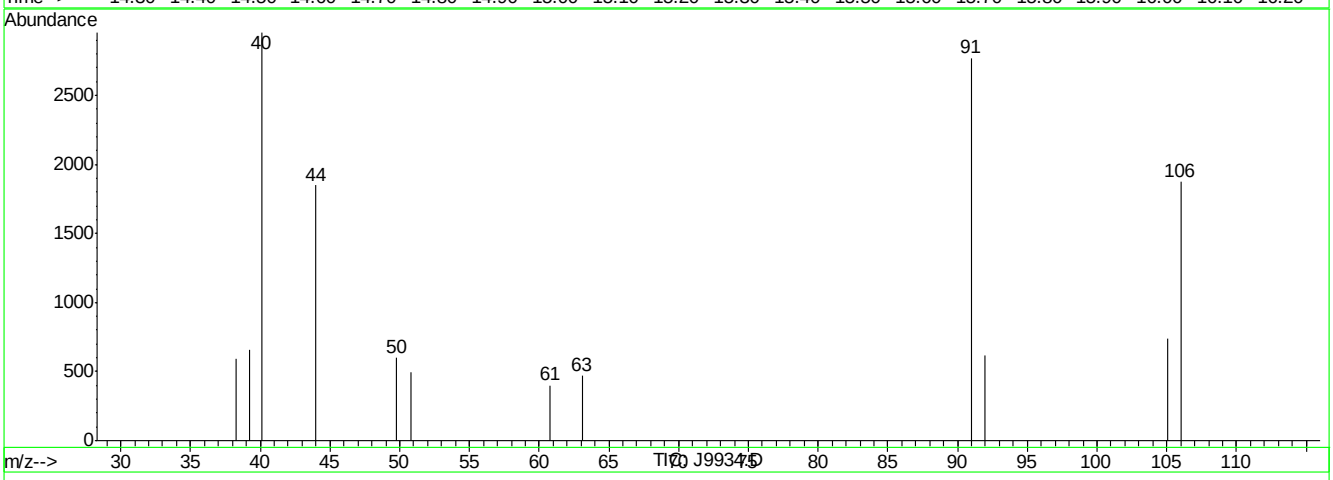
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.26min 0.04PPBV

response 1213

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	147.73#
77.00	27.10	0.00#
0.00	0.00	0.00

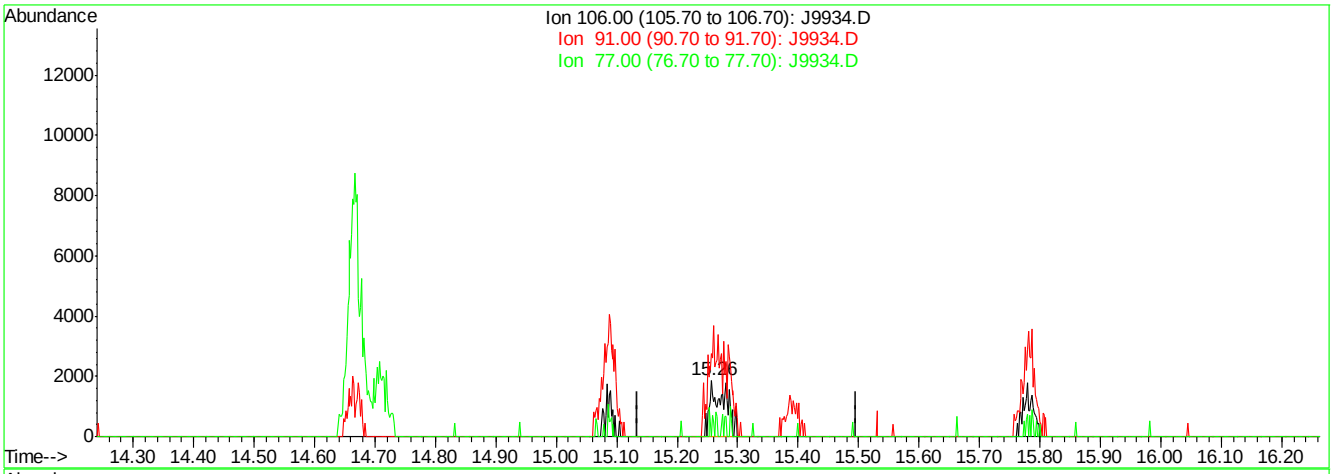
J9934.D J040407T.M Thu Apr 05 17:15:27 2007

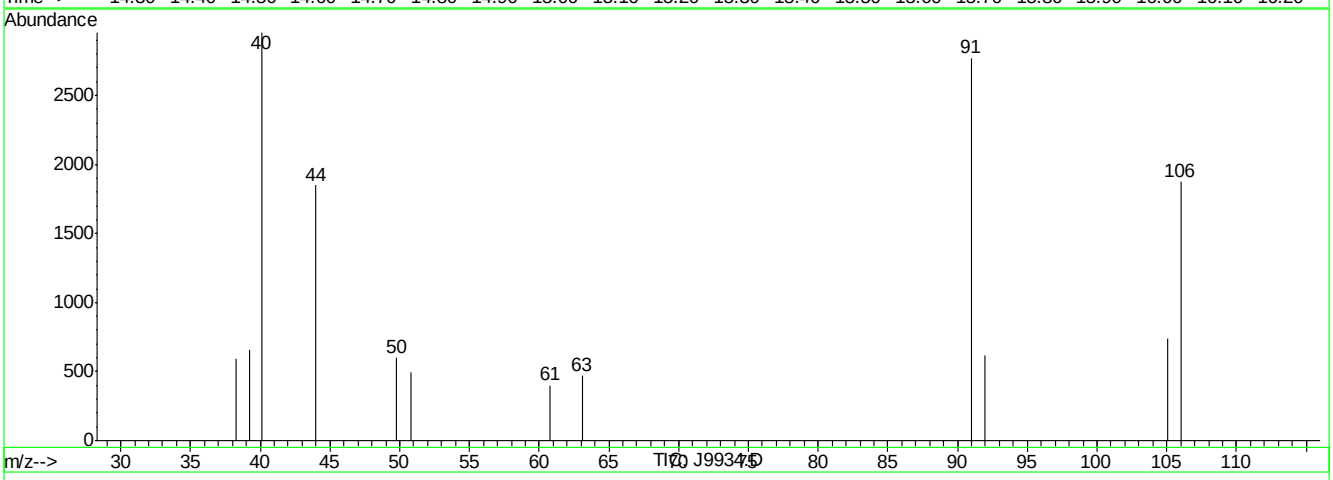
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.26min 0.10PPBV m

response 3217

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	147.73#
77.00	27.10	0.00#
0.00	0.00	0.00

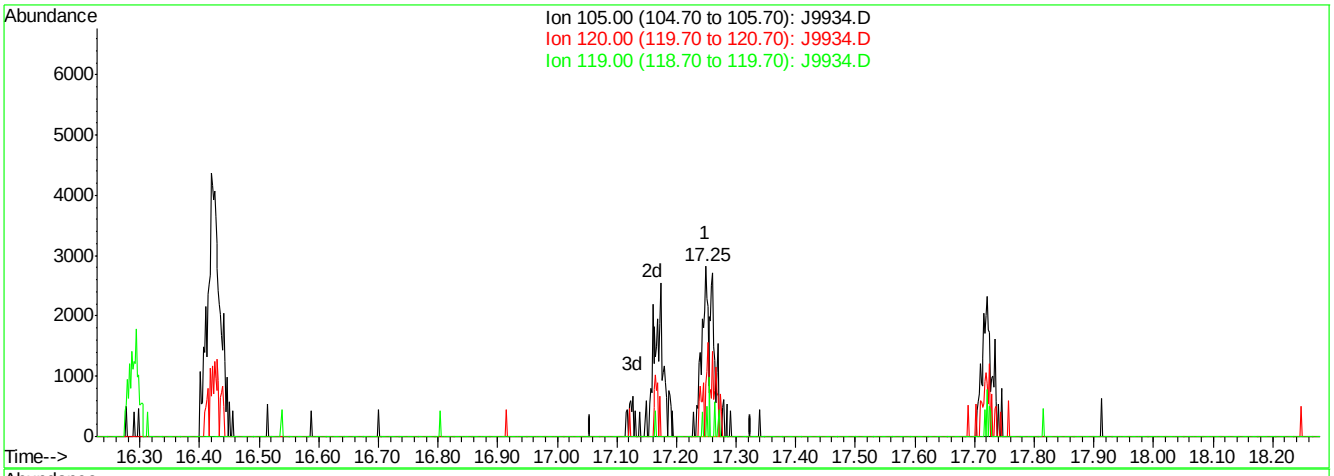
J9934.D J040407T.M Thu Apr 05 17:15:31 2007

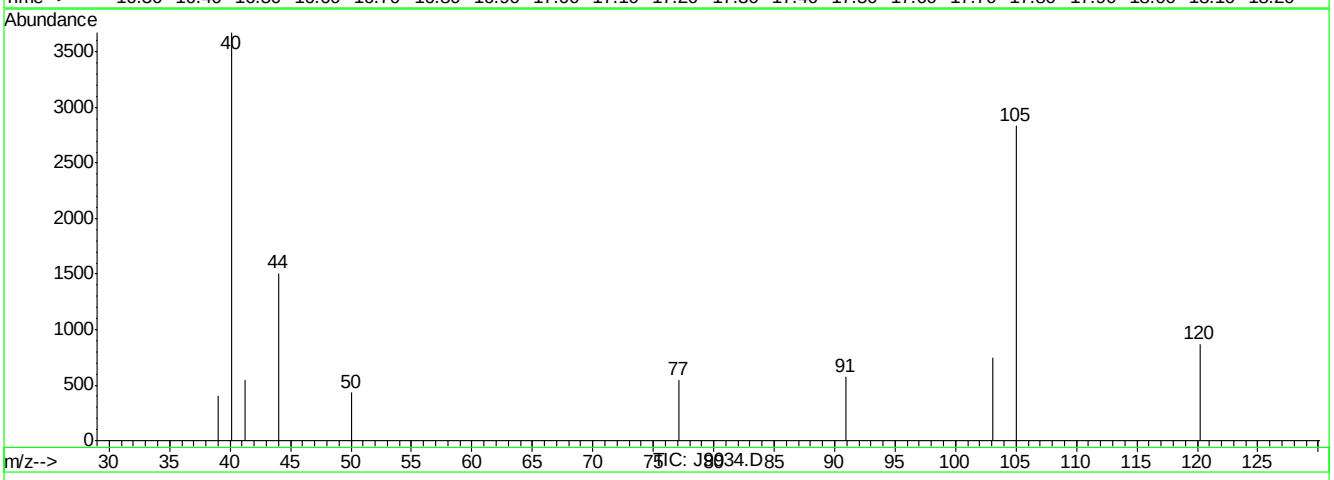
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.25min 0.05PPBV

response 3734

Ion	Exp%	Act%
105.00	100	100
120.00	44.20	34.49
119.00	11.40	4.26
0.00	0.00	0.00

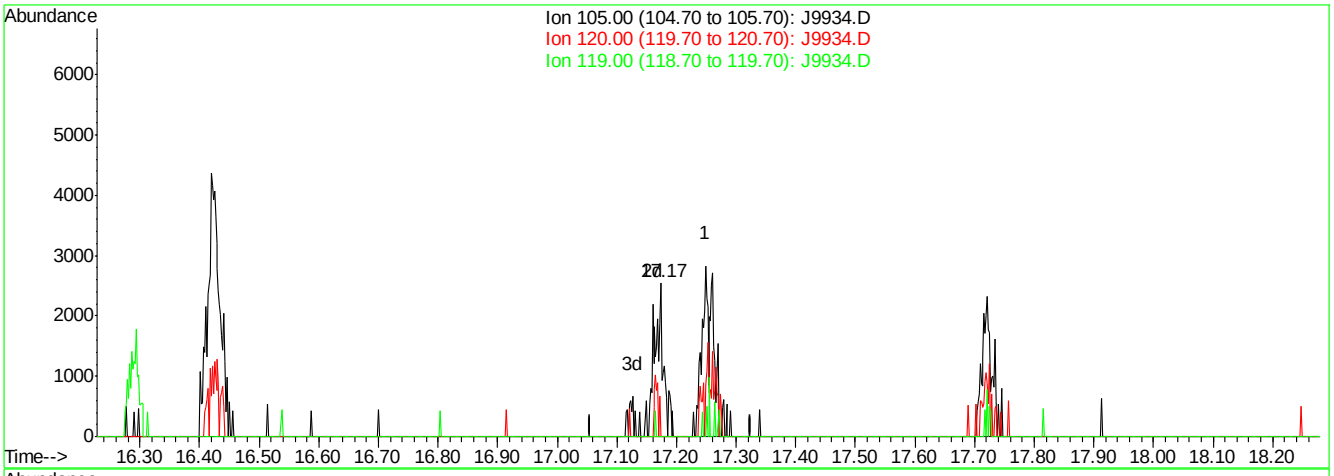
J9934.D J040407T.M Thu Apr 05 17:15:47 2007

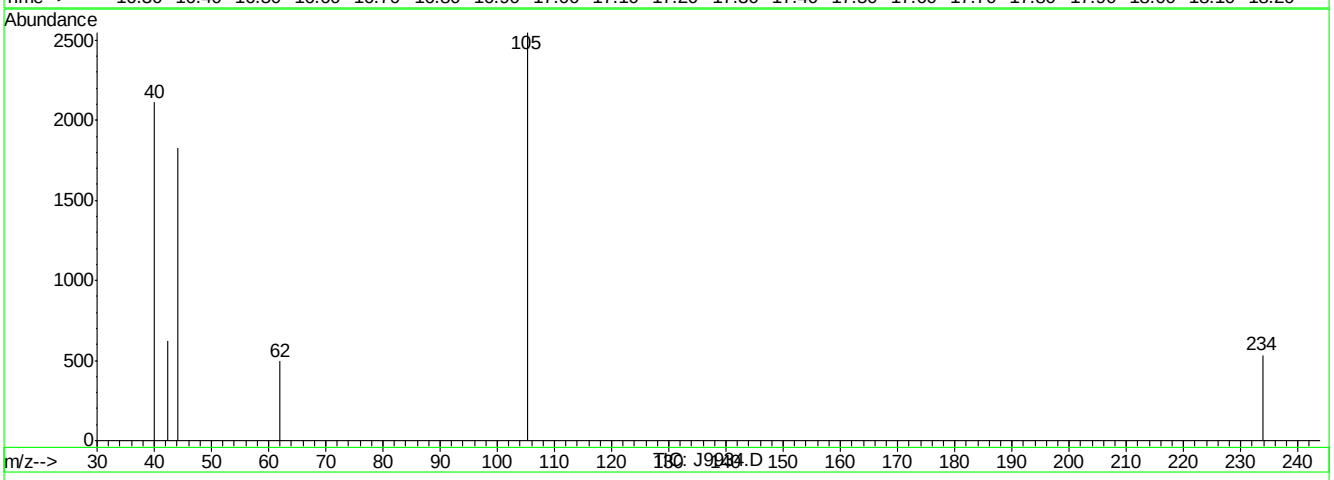
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.17min 0.03PPBV m

response 2702

Ion	Exp%	Act%
105.00	100	100
120.00	44.20	47.67
119.00	11.40	5.88
0.00	0.00	0.00

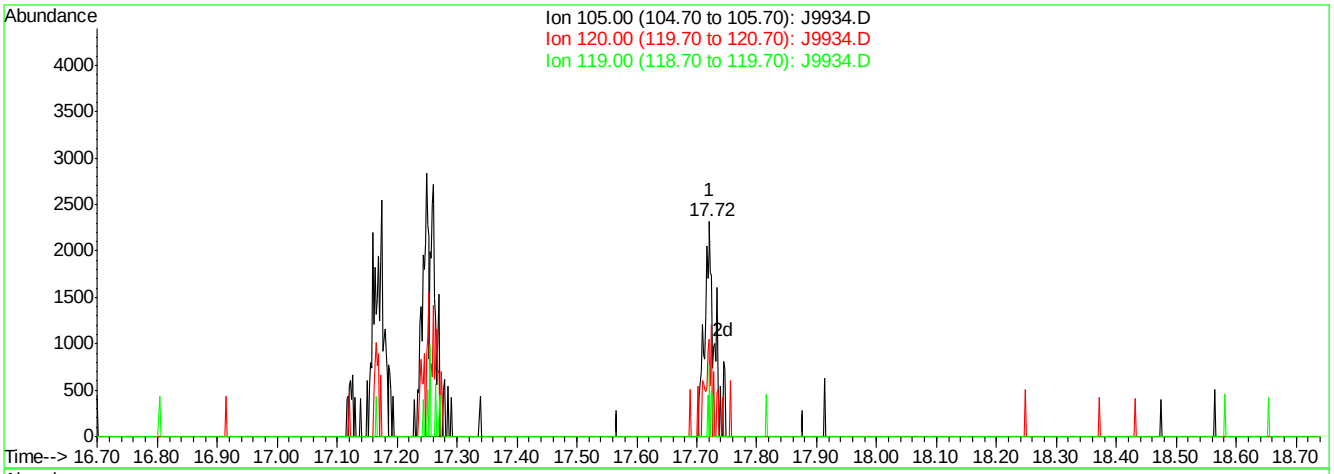
J9934.D J040407T.M Thu Apr 05 17:15:51 2007

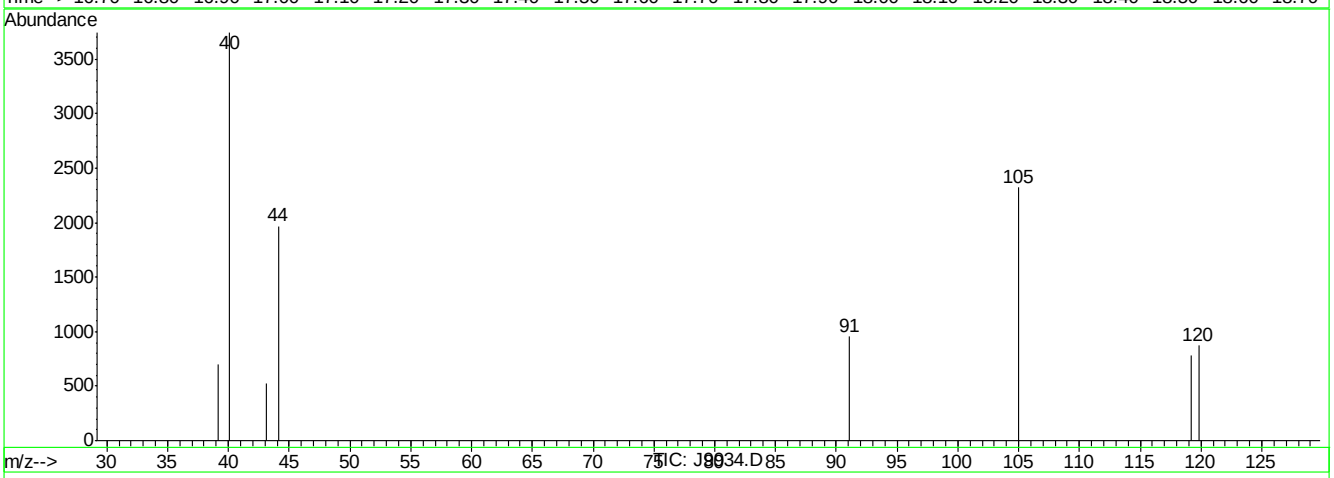
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(67) 1,2,4-TRIMETHYLBENZENE (m)

17.72min 0.03PPBV

response 2527

Ion	Exp%	Act%
105.00	100	100
120.00	44.50	36.01
119.00	11.90	7.16
0.00	0.00	0.00

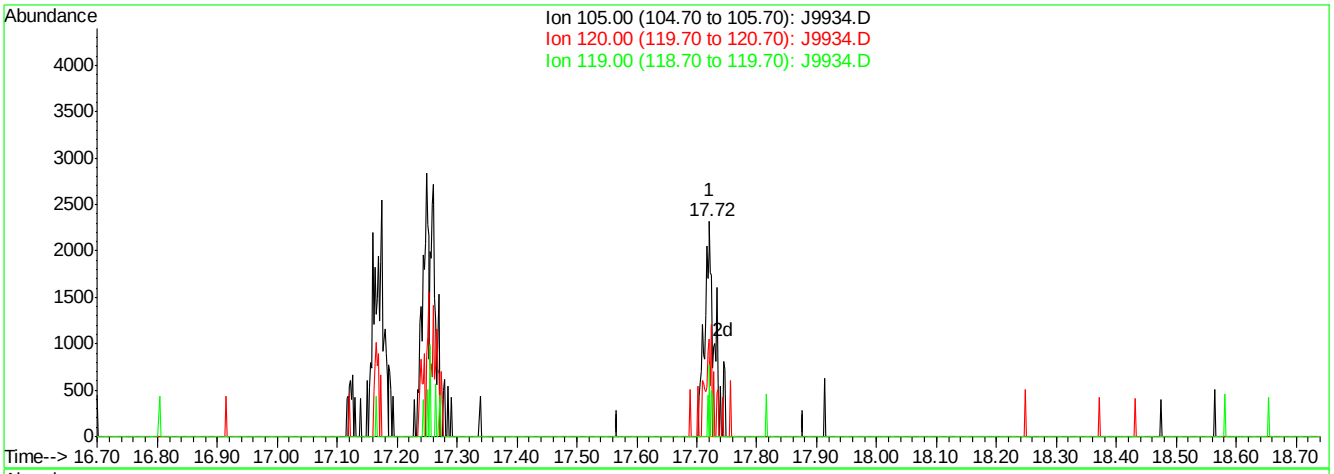
J9934.D J040407T.M Thu Apr 05 17:15:56 2007

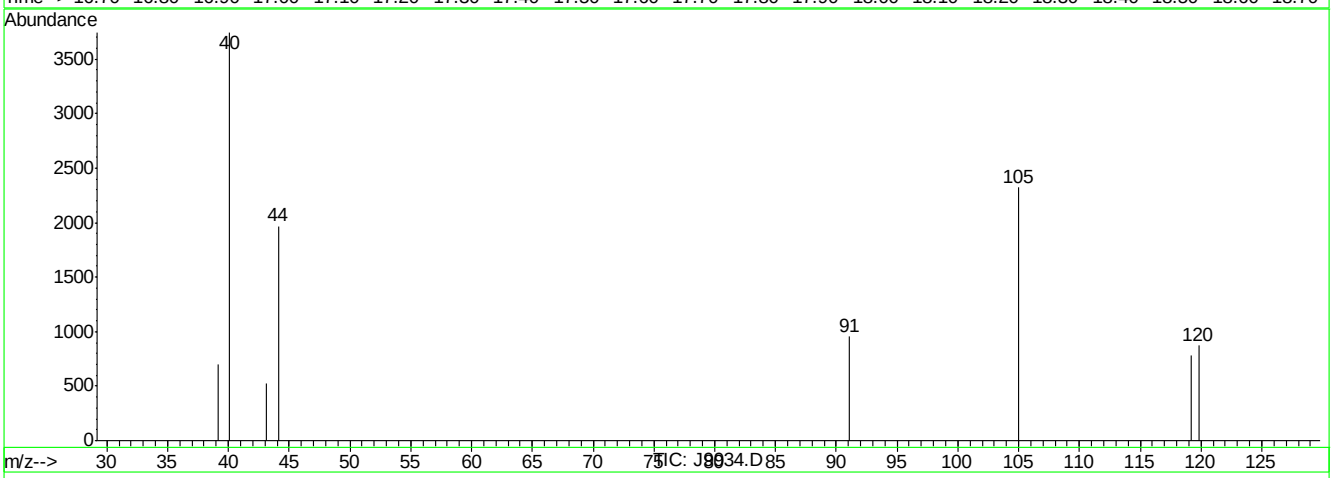
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(67) 1,2,4-TRIMETHYLBENZENE (m)

17.72min 0.03PPBV m

response 2690

Ion	Exp%	Act%
105.00	100	100
120.00	44.50	33.83
119.00	11.90	6.73
0.00	0.00	0.00

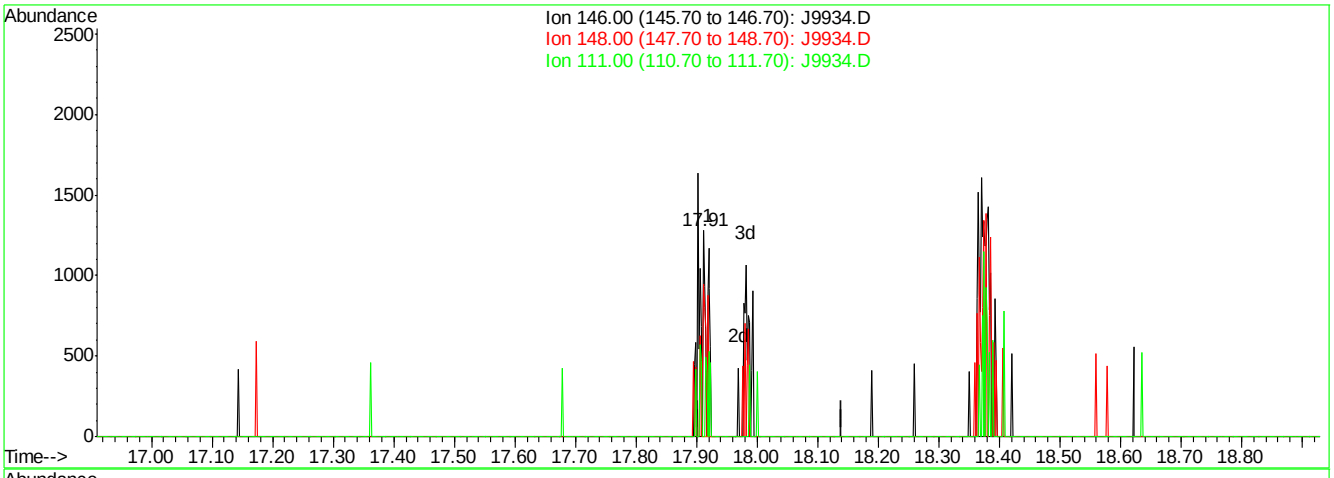
J9934.D J040407T.M Thu Apr 05 17:15:59 2007

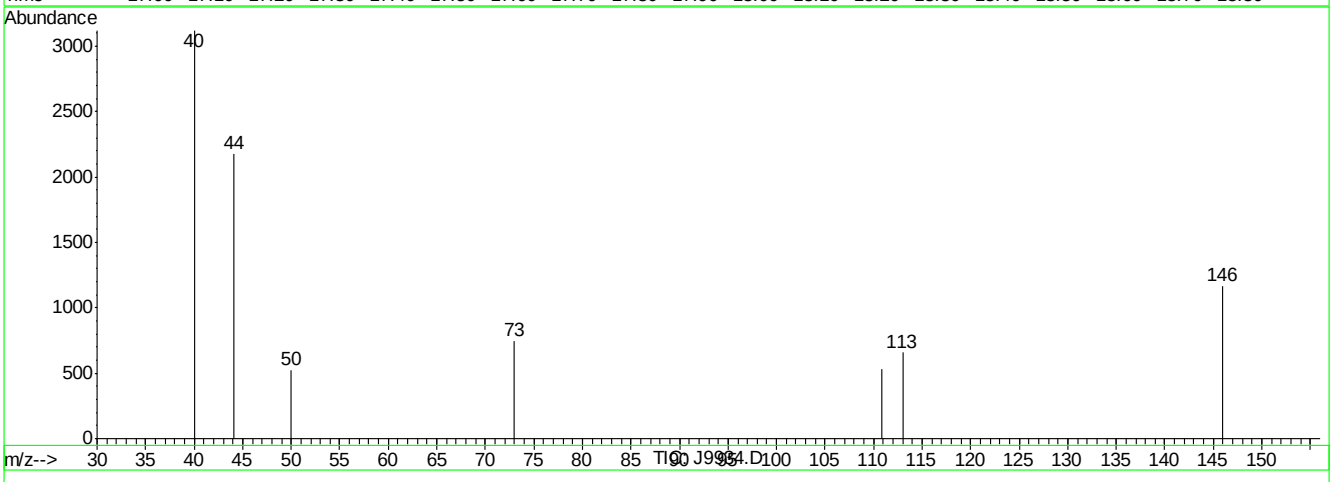
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.92min 0.02PPBV

response 676

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	68.49
111.00	36.70	29.73
0.00	0.00	0.00

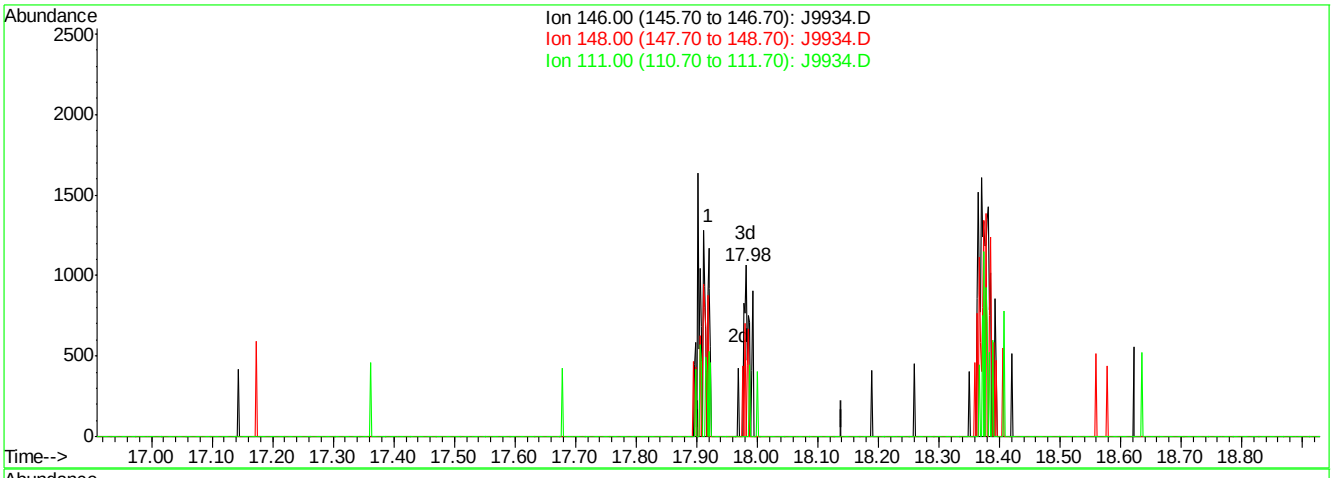
J9934.D J040407T.M Thu Apr 05 17:16:09 2007

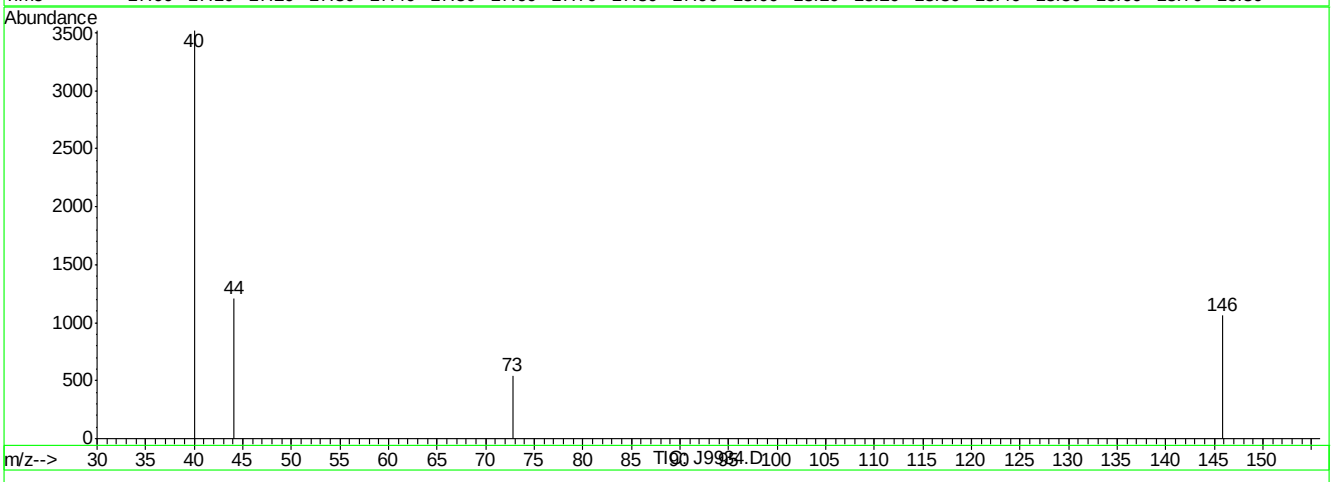
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.98min 0.02PPBV m

response 673

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	68.80
111.00	36.70	29.87
0.00	0.00	0.00

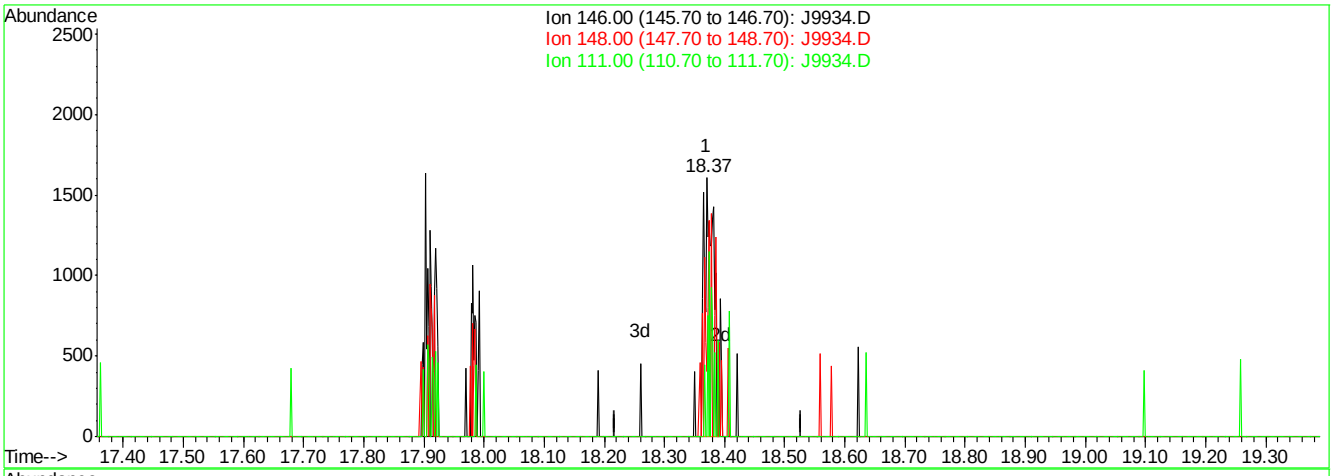
J9934.D J040407T.M Thu Apr 05 17:16:12 2007

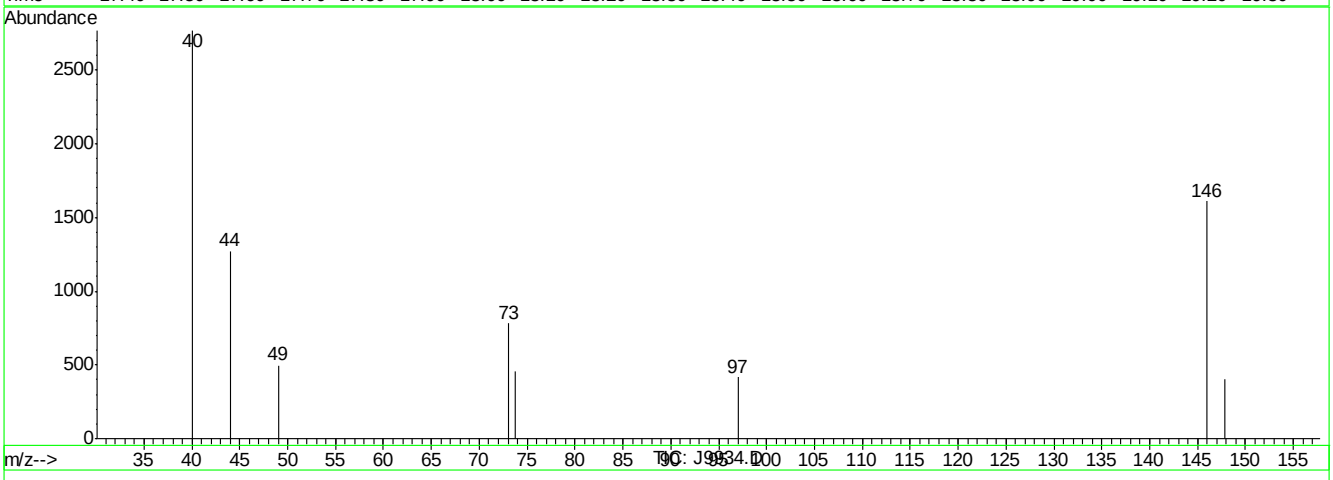
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(71) o-DICHLOROBENZENE (m)

18.37min 0.04PPBV

response 1750

Ion	Exp%	Act%
146.00	100	100
148.00	62.80	0.00#
111.00	41.50	7.31#
0.00	0.00	0.00

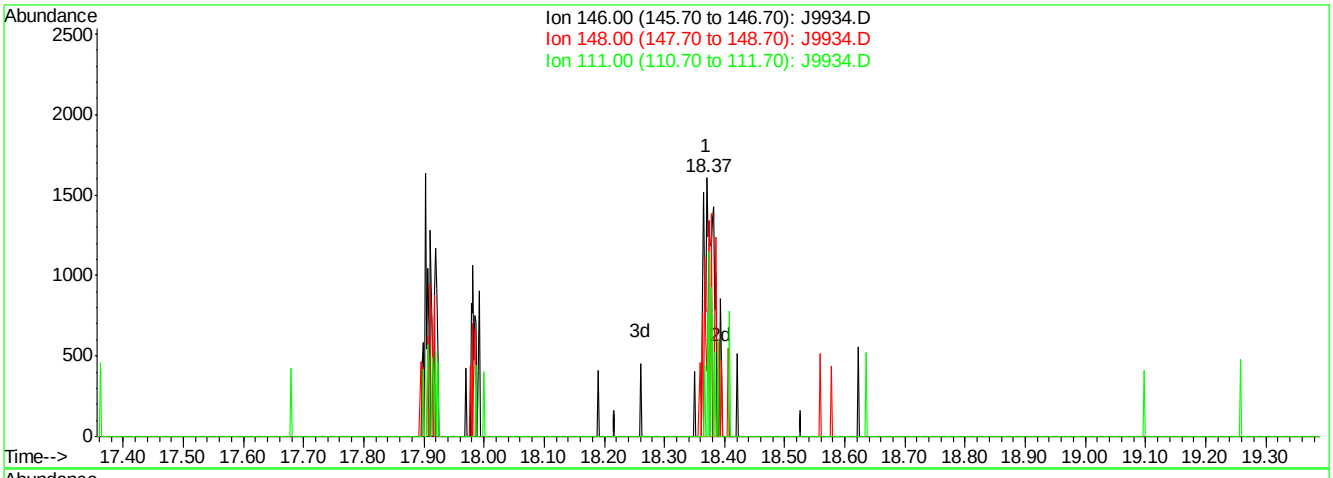
J9934.D J040407T.M Thu Apr 05 17:16:16 2007

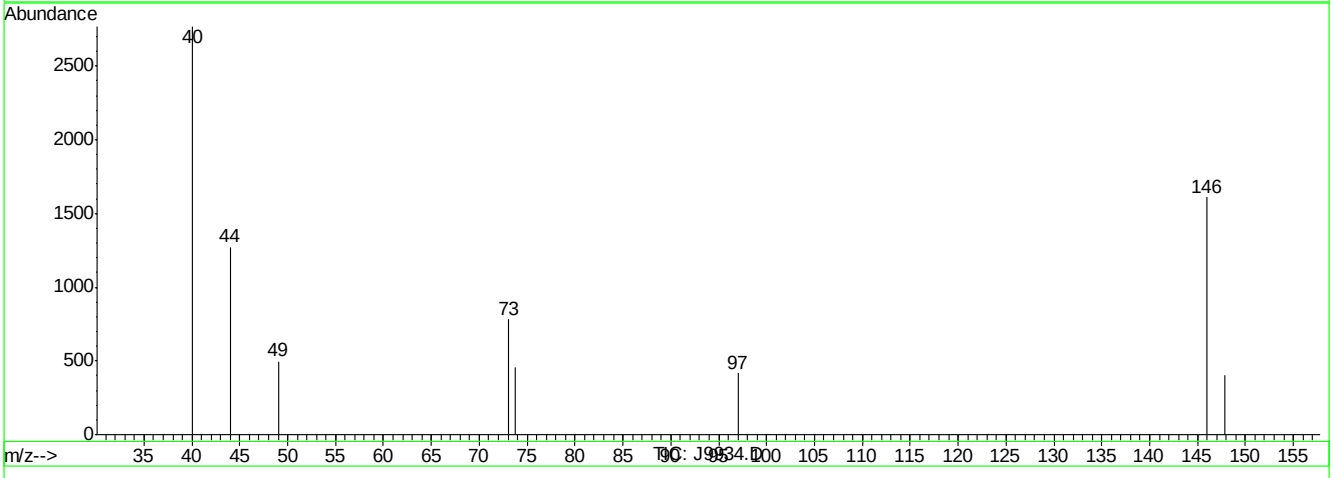
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(71) o-DICHLOROBENZENE (m)

18.37min 0.04PPBV m

response 1984

Ion	Exp%	Act%
146.00	100	100
148.00	62.80	0.00#
111.00	41.50	6.45#
0.00	0.00	0.00

J9934.D J040407T.M Thu Apr 05 17:16:19 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9935.D
Acq On : 5 Apr 2007 5:39 pm
Operator : PhilipB
Sample : ICV513-10 (M119)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 09:40:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	532880	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1348725	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1134866	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	381575	5.61	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 112.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1161069	9.61	PPBV	99
3) PROPYLENE	3.99	41	222346	11.67	PPBV	88
4) FREON 114	4.33	85	1001009	9.82	PPBV	89
5) CHLOROMETHANE	4.23	50	290194	10.64	PPBV	100
6) VINYL CHLORIDE	4.45	62	314488	11.04	PPBV	94
7) 1,3-BUTADIENE	4.58	39	285269	12.10	PPBV	90
8) BROMOMETHANE	4.86	94	314372	9.94	PPBV	98
9) CHLOROETHANE	5.03	64	140098	10.66	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.80	101	1234726	9.44	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	390157	9.32	PPBV	86
12) ACETONE	5.65	43	416810	9.99	PPBV	94
13) PENTANE	6.14	42	322597	10.76	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.43	96	311243	10.23	PPBV	91
15) CARBON DISULFIDE	6.85	76	1003770	10.25	PPBV	96
16) ETHANOL	5.18	45	62875	9.00	PPBV	87
17) BROMOETHENE	5.39	106	296673	10.18	PPBV #	97
18) METHYLENE CHLORIDE	6.55	84	299826	7.98	PPBV	90
19) 3-CHLOROPROPENE	6.66	39	303095	10.19	PPBV	94
20) FREON 113	6.80	151	648698	9.36	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	345851	10.31	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.51	59	510047	9.85	PPBV #	70
23) METHYL TERTIARY BUTYL ETHE	7.73	73	712259	9.97	PPBV	97
24) TETRAHYDROFURAN	9.18	42	225873	11.61	PPBV	87
25) HEXANE	8.63	57	425665	9.46	PPBV	90
26) VINYL ACETATE	7.80	43	475830	10.20	PPBV	96
27) 1,1-DICHLOROETHANE	7.66	63	620652	10.01	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	479591	9.18	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	388205	10.39	PPBV	99
30) ETHYL ACETATE	8.69	43	521948	9.71	PPBV	99
31) CHLOROFORM	8.75	83	1040275	10.04	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	769883	9.54	PPBV	97
33) CARBON TETRACHLORIDE	10.26	117	967843	9.61	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	409656	10.03	PPBV	99
36) BENZENE	10.13	78	625273	10.34	PPBV	96
37) CYCLOHEXANE	10.37	84	301104	11.38	PPBV	88
38) TRICHLOROETHYLENE	11.12	95	372705	11.42	PPBV	94
39) 1,2-DICHLOROPROPANE	10.90	63	233052	10.49	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	677009	9.74	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1291951	11.74	PPBV	97
42) 1,4-DIOXANE	11.17	88	103833	8.85	PPBV	81
43) HEPTANE	11.36	43	428754	12.26	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9935.D
Acq On : 5 Apr 2007 5:39 pm
Operator : PhilipB
Sample : ICV513-10 (M119)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 09:40:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

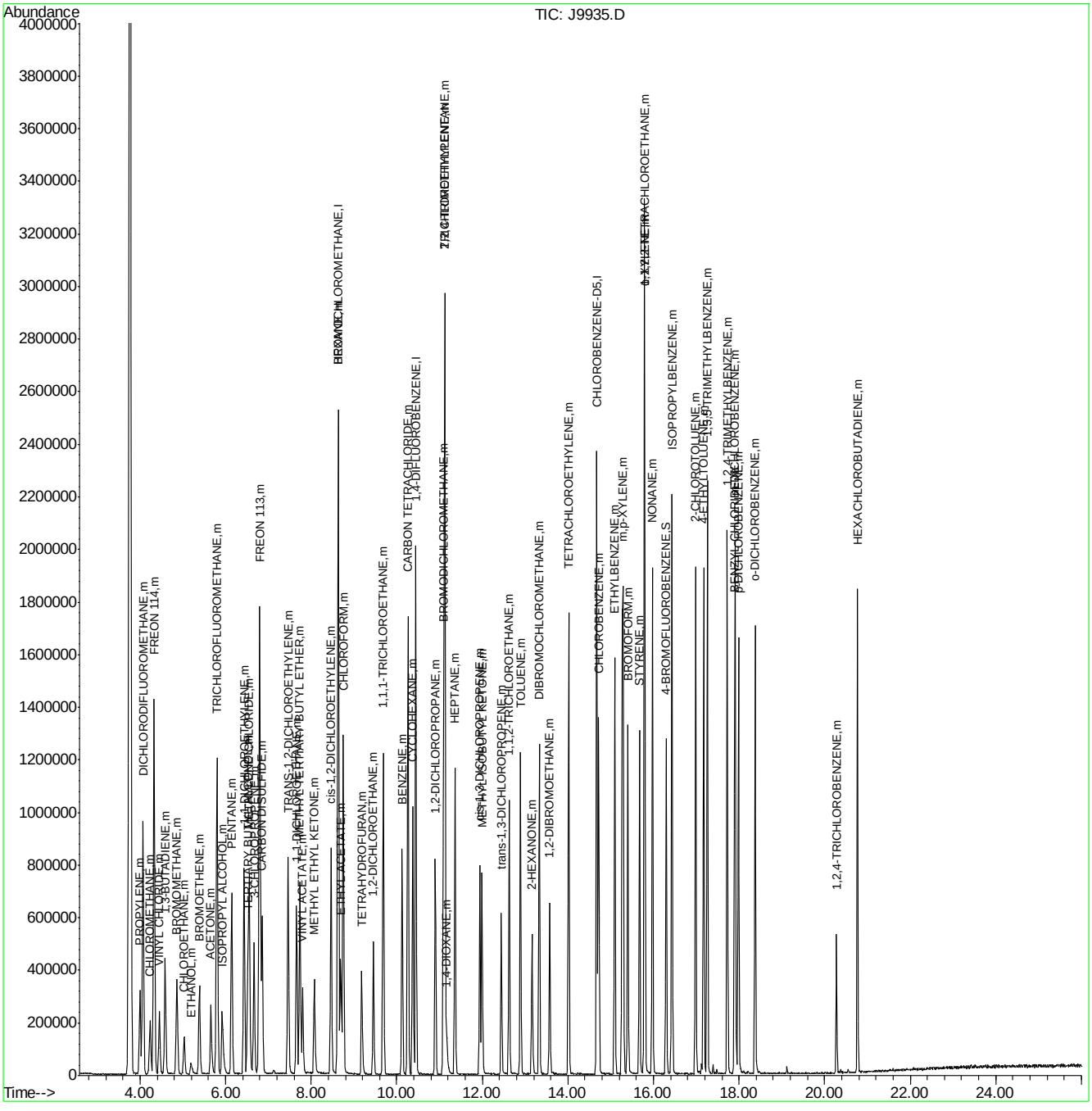
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	544609	9.97	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.94	75	337289	9.20	PPBV	88
46) TOLUENE	12.89	92	426887	8.66	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.45	75	271547	8.81	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.63	83	244342	10.47	PPBV	97
50) 2-HEXANONE	13.16	43	410242	9.15	PPBV	88
51) TETRACHLOROETHYLENE	14.02	164	295256	10.11	PPBV	94
52) DIBROMOCHLOROMETHANE	13.33	129	598699	9.30	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	408227	8.29	PPBV	99
54) CHLOROBENZENE	14.72	112	598483	10.76	PPBV	96
55) ETHYLBENZENE	15.09	91	1003595	9.76	PPBV	96
56) m,p-XYLENE	15.29	106	804795	19.49	PPBV	88
57) o-XYLENE	15.79	106	448496	9.53	PPBV	90
58) STYRENE	15.67	104	525125	9.60	PPBV	96
59) NONANE	15.97	43	687322	10.46	PPBV	92
60) BROMOFORM	15.40	173	549383	9.08	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	773658	11.32	PPBV	98
63) ISOPROPYLBENZENE	16.43	105	1310295	9.51	PPBV	97
64) 2-CHLOROTOLUENE	16.98	91	926322	9.63	PPBV	97
65) 4-ETHYLTOLUENE	17.17	105	1056921	9.44	PPBV	75
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1069938	9.34	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	981791	9.28	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	610936	9.39	PPBV	99
69) BENZYL CHLORIDE	17.89	91	543899	9.50	PPBV	98
70) p-DICHLOROBENZENE	17.99	146	551657	9.36	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	535792	9.18	PPBV	97
72) HEXACHLOROBUTADIENE	20.77	225	209902	8.56	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	106495	8.83	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9935.D
Acq On : 5 Apr 2007 5:39 pm
Operator : PhilipB
Sample : ICV513-10 (M119)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 09:40:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64555

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
04/12/07 16:30

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J9999.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:28:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	434153	10.00	PPBV	-0.03
35) 1,4-DIFLUOROBENZENE	10.42	114	1031932	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.66	117	858154	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	275331	5.36	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.20%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1042629	10.59	PPBV		98
3) PROPYLENE	3.98	41	180735	11.64	PPBV		96
4) FREON 114	4.31	85	825209	9.94	PPBV		90
5) CHLOROMETHANE	4.22	50	231254	10.40	PPBV		96
6) VINYL CHLORIDE	4.44	62	219872	9.47	PPBV		96
7) 1,3-BUTADIENE	4.57	39	229395	11.94	PPBV	#	81
8) BROMOMETHANE	4.84	94	236907	9.19	PPBV		98
9) CHLOROETHANE	5.01	64	101042	9.44	PPBV		77
10) TRICHLOROFLUOROMETHANE	5.77	101	1083562	10.17	PPBV		99
11) ISOPROPYL ALCOHOL	5.88	45	263616	7.66	PPBV		70
12) ACETONE	5.62	43	326195	9.58	PPBV		86
13) PENTANE	6.11	42	205498	8.41	PPBV		92
14) 1,1-DICHLOROETHYLENE	6.40	96	216942	8.75	PPBV	#	80
15) CARBON DISULFIDE	6.82	76	666816	8.35	PPBV		87
16) ETHANOL	5.15	45	49903m	8.74	PPBV		
17) BROMOETHENE	5.36	106	222170	9.36	PPBV	#	92
18) METHYLENE CHLORIDE	6.52	84	198709	6.49	PPBV		84
19) 3-CHLOROPROPENE	6.64	39	229987	9.49	PPBV	#	77
20) FREON 113	6.76	151	510629	9.04	PPBV		97
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	222091	8.13	PPBV		94
22) TERTIARY BUTYL ALCOHOL	6.48	59	312838	7.41	PPBV	#	60
23) METHYL TERTIARY BUTYL ETHE	7.70	73	456224	7.84	PPBV		90
24) TETRAHYDROFURAN	9.15	42	163877	10.34	PPBV		84
25) HEXANE	8.60	57	281060	7.67	PPBV	#	81
26) VINYL ACETATE	7.77	43	307063	8.08	PPBV		96
27) 1,1-DICHLOROETHANE	7.63	63	389942	7.72	PPBV		98
28) METHYL ETHYL KETONE	8.03	43	300912m	7.07	PPBV		
29) cis-1,2-DICHLOROETHYLENE	8.44	96	272411	8.95	PPBV		99
30) ETHYL ACETATE	8.66	43	358366	8.18	PPBV		100
31) CHLOROFORM	8.72	83	826812	9.79	PPBV		99
32) 1,1,1-TRICHLOROETHANE	9.66	97	685426	10.42	PPBV		96
33) CARBON TETRACHLORIDE	10.24	117	906293	11.04	PPBV		99
34) 1,2-DICHLOROETHANE	9.43	62	346659	10.41	PPBV		98
36) BENZENE	10.10	78	456171	9.86	PPBV		94
37) CYCLOHEXANE	10.35	84	228300	11.28	PPBV		91
38) TRICHLOROETHYLENE	11.10	95	277318	11.11	PPBV		94
39) 1,2-DICHLOROPROPANE	10.88	63	164397	9.67	PPBV		92
40) BROMODICHLOROMETHANE	11.07	83	570557	10.73	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	856411	10.17	PPBV		97
42) 1,4-DIOXANE	11.14	88	76398	8.55	PPBV		85
43) HEPTANE	11.34	43	315913	11.81	PPBV		86

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J9999.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:28:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

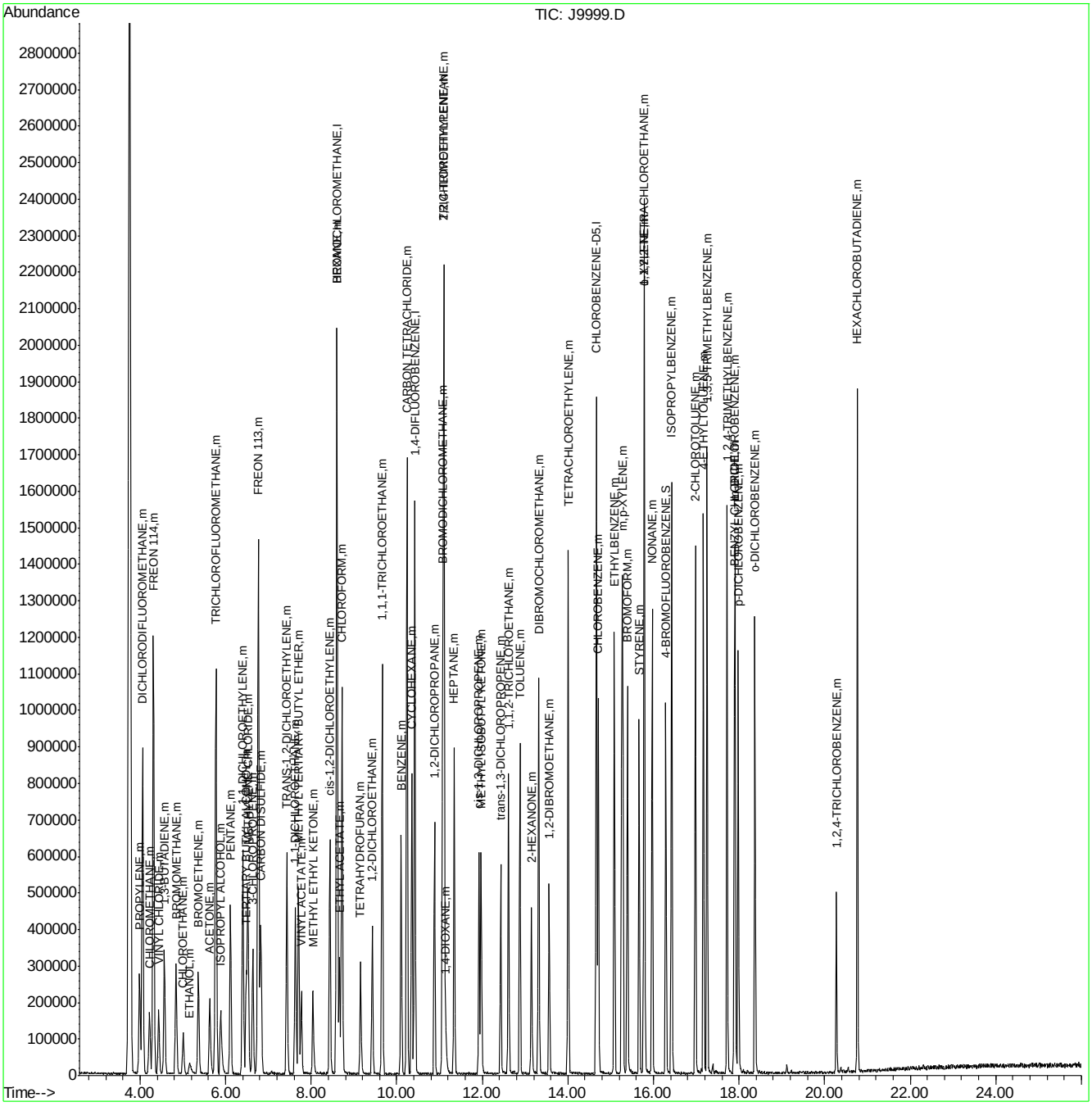
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	427934	10.23	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	229586	8.28	PPBV #	76
46) TOLUENE	12.88	92	299148	8.04	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.43	75	226670	9.51	PPBV #	77
48) 1,1,2-TRICHLOROETHANE	12.61	83	176540	9.89	PPBV	98
50) 2-HEXANONE	13.15	43	345003	10.09	PPBV	82
51) TETRACHLOROETHYLENE	14.00	164	208084	9.42	PPBV	86
52) DIBROMOCHLOROMETHANE	13.32	129	508565	10.45	PPBV	100
53) 1,2-DIBROMOETHANE	13.56	107	308048	8.27	PPBV	96
54) CHLOROBENZENE	14.71	112	441232	10.49	PPBV	96
55) ETHYLBENZENE	15.09	91	730140	9.43	PPBV	94
56) m,p-XYLENE	15.28	106	562168	18.23	PPBV	88
57) o-XYLENE	15.78	106	298781	8.57	PPBV #	86
58) STYRENE	15.66	104	365511	8.99	PPBV	95
59) NONANE	15.97	43	452598	9.19	PPBV	92
60) BROMOFORM	15.39	173	421008	9.18	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	499170	9.66	PPBV	98
63) ISOPROPYLBENZENE	16.42	105	920931	8.93	PPBV	96
64) 2-CHLOROTOLUENE	16.98	91	646666	9.01	PPBV	95
65) 4-ETHYLTOLUENE	17.17	105	803238	9.48	PPBV	74
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	767041	8.94	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	696395	8.82	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	408123	8.55	PPBV	97
69) BENZYL CHLORIDE	17.89	91	426509	9.78	PPBV	97
70) p-DICHLOROBENZENE	17.98	146	346344	8.13	PPBV	90
71) o-DICHLOROBENZENE	18.37	146	366584	8.52	PPBV	97
72) HEXACHLOROBUTADIENE	20.76	225	182734	9.61	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	85043	9.19	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J9999.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:28:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

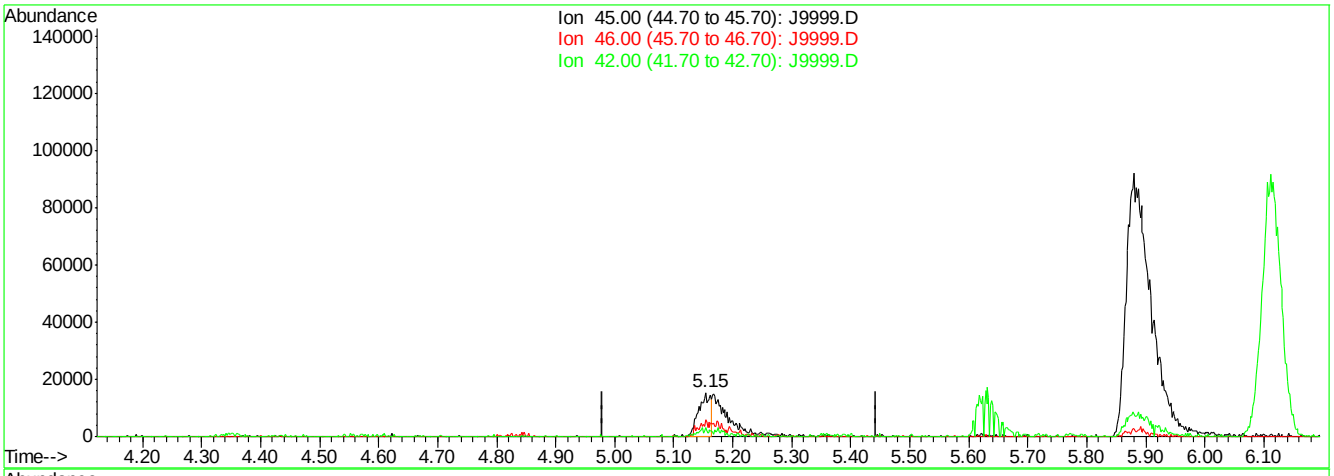


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.15min 3.19PPBV

response 21586

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	30.05
42.00	1.50	6.99
0.00	0.00	0.00

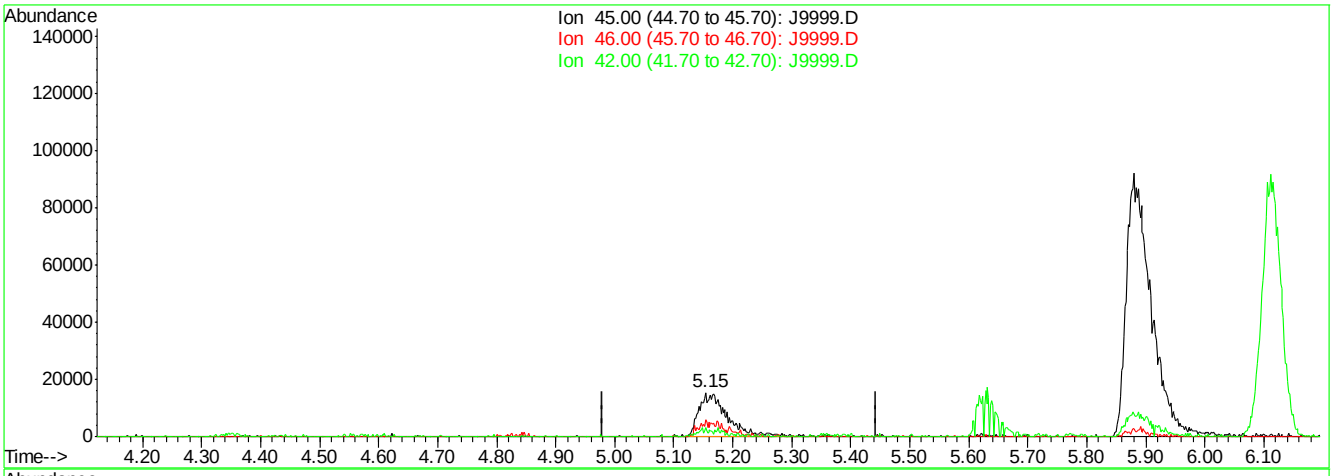
J9999.D J040507T.M Wed Apr 11 15:28:13 2007

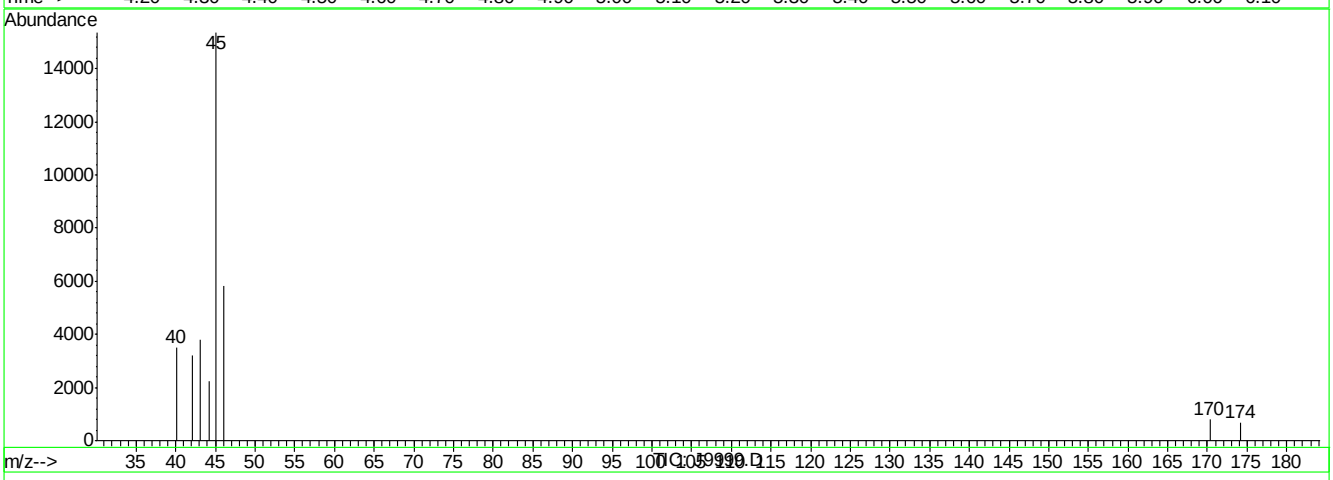
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.15min 8.74PPBV m

response 49903

Ion	Exp%	Act%
45.00	100	100
46.00	33.00	13.00#
42.00	1.50	3.02
0.00	0.00	0.00

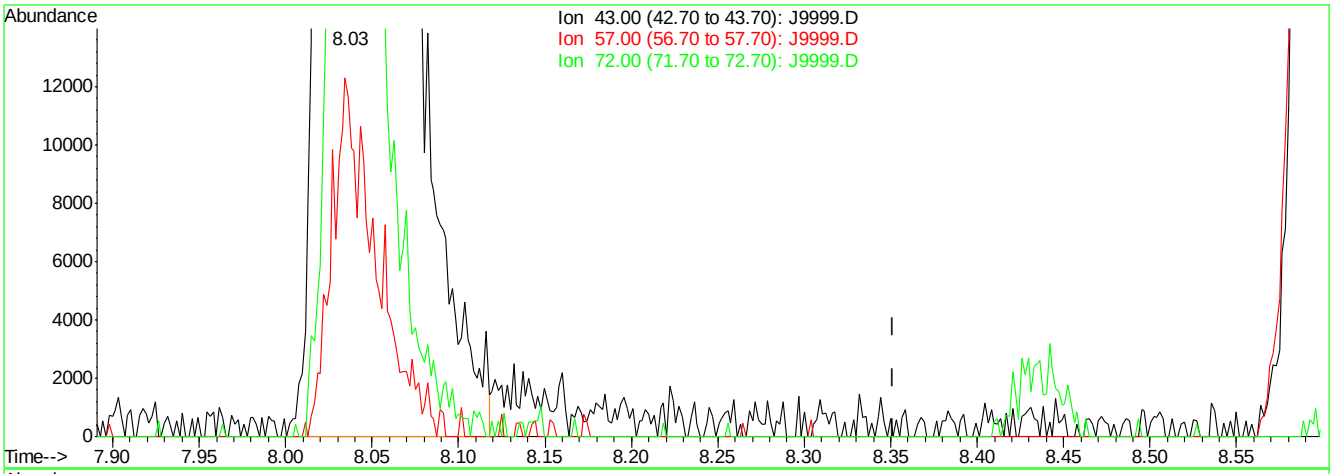
J9999.D J040507T.M Wed Apr 11 15:28:20 2007

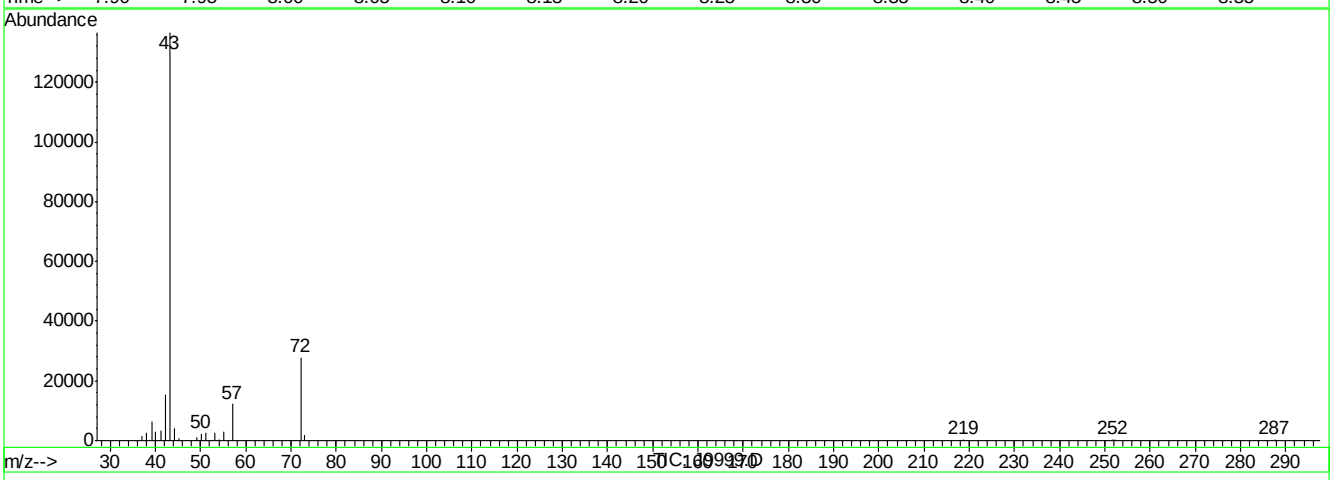
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.03min 6.82PPBV

response 290089

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	9.02
72.00	25.60	20.41
0.00	0.00	0.00

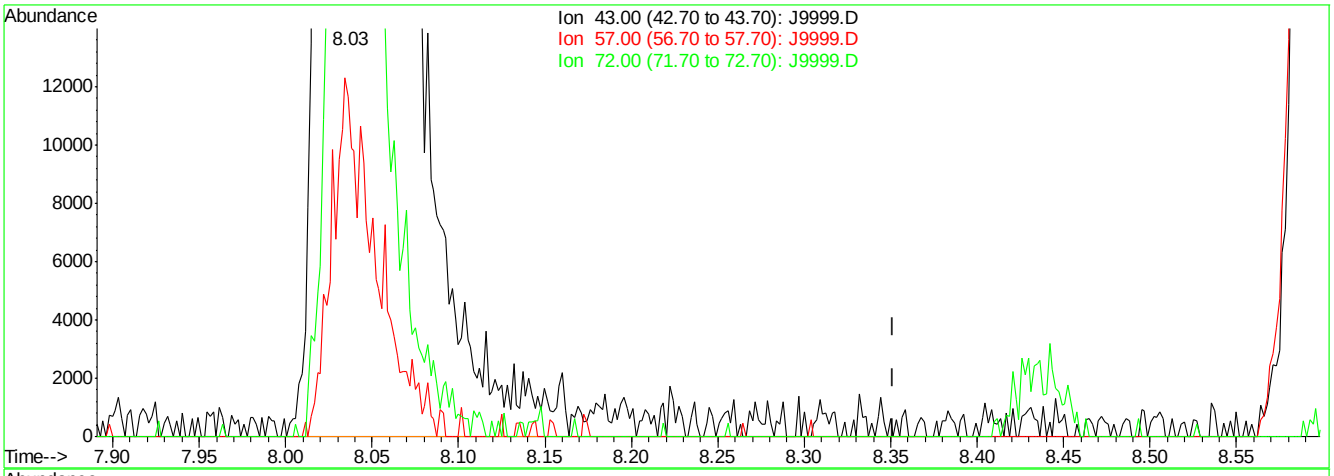
J9999.D J040507T.M Wed Apr 11 15:28:38 2007

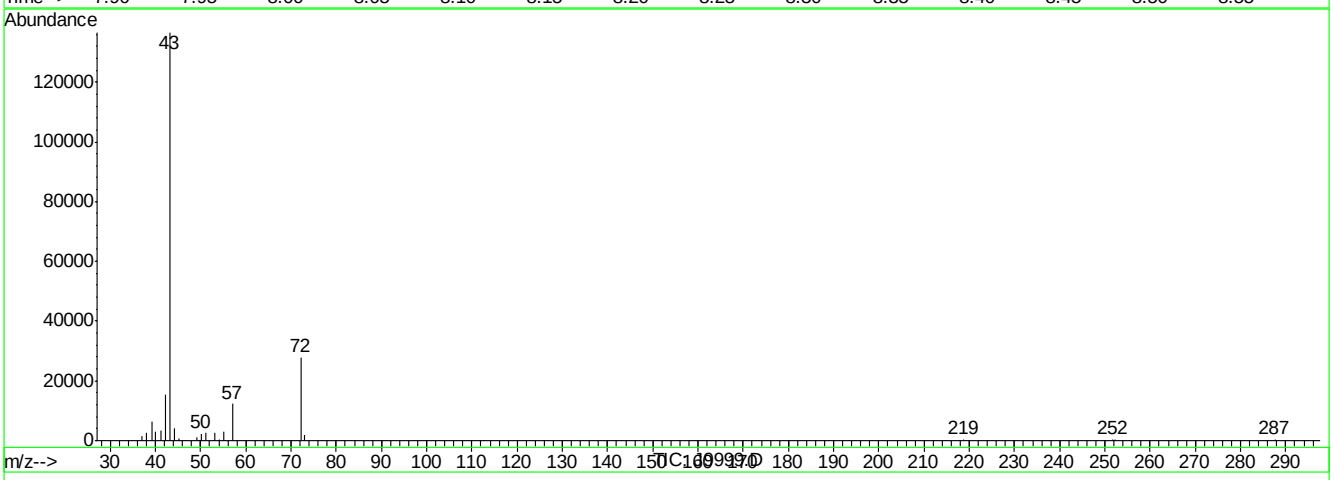
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J9999.D Vial: 1
Acq On : 11 Apr 2007 2:29 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ517,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 15:28:03 2007 Results File: J040507T.RES

Method : C:\MSDCHEM\1\METHODS\J040507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 17:22:46 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.03min 7.07PPBV m

response 300912

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	9.02
72.00	25.60	20.41
0.00	0.00	0.00

J9999.D J040507T.M Wed Apr 11 15:28:43 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/11/07 16:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10277.D
Acq On : 9 May 2007 6:39 pm
Operator : danat
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:40:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:35:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	344690	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1460896	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1214337	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	295885	4.04	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 80.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	26123	0.22	PPBV #	52
3) PROPYLENE	4.00	41	1240m	0.09	PPBV	
4) FREON 114	4.32	85	22207	0.22	PPBV	98
5) CHLOROMETHANE	4.22	50	4633m	0.21	PPBV	
6) VINYL CHLORIDE	4.46	62	5596	0.20	PPBV #	66
7) 1,3-BUTADIENE	4.59	39	2028	0.11	PPBV	91
8) BROMOMETHANE	4.85	94	6867	0.20	PPBV #	70
9) CHLOROETHANE	5.04	64	1417m	0.12	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	27025	0.22	PPBV	96
11) ISOPROPYL ALCOHOL	6.05	45	6895m	0.28	PPBV	
12) ACETONE	5.68	43	14047	0.43	PPBV	97
13) PENTANE	6.14	42	3329	0.16	PPBV #	60
14) 1,1-DICHLOROETHYLENE	6.42	96	5906m	0.19	PPBV	
15) CARBON DISULFIDE	6.85	76	20235	0.22	PPBV #	77
17) BROMOETHENE	5.38	106	5175	0.16	PPBV #	94
19) 3-CHLOROPROPENE	6.66	39	3960	0.20	PPBV #	58
20) FREON 113	6.79	151	17449	0.24	PPBV	92
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	5737	0.19	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.76	73	7657	0.13	PPBV	86
25) HEXANE	8.63	57	8678	0.27	PPBV	96
27) 1,1-DICHLOROETHANE	7.66	63	9424	0.19	PPBV	97
28) METHYL ETHYL KETONE	8.11	43	5063	0.16	PPBV #	54
29) cis-1,2-DICHLOROETHYLENE	8.46	96	4723	0.17	PPBV	94
30) ETHYL ACETATE	8.72	43	5570m	0.16	PPBV	
31) CHLOROFORM	8.75	83	14593	0.20	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.68	97	16547	0.20	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	22639	0.21	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	7449	0.19	PPBV #	67
36) BENZENE	10.12	78	10499	0.16	PPBV	77
37) CYCLOHEXANE	10.37	84	3863	0.13	PPBV	92
38) TRICHLOROETHYLENE	11.12	95	5440	0.15	PPBV	96
39) 1,2-DICHLOROPROPANE	10.90	63	3567	0.17	PPBV	87
40) BROMODICHLOROMETHANE	11.08	83	13502	0.20	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	10934	0.11	PPBV	74
43) HEPTANE	11.36	43	2910	0.10	PPBV #	72
45) cis-1,3-DICHLOROPROPENE	11.94	75	3432	0.11	PPBV	90
46) TOLUENE	12.88	92	4977	0.11	PPBV #	74
47) trans-1,3-DICHLOROPROPENE	12.43	75	2652	0.09	PPBV #	66
48) 1,1,2-TRICHLOROETHANE	12.62	83	4402	0.18	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	7177	0.17	PPBV	96
52) DIBROMOCHLOROMETHANE	13.32	129	12097	0.18	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10277.D
Acq On : 9 May 2007 6:39 pm
Operator : danat
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:40:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:35:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 1,2-DIBROMOETHANE	13.57	107	6198	0.15	PPBV	90
54) CHLOROBENZENE	14.71	112	10764	0.16	PPBV	82
55) ETHYLBENZENE	15.09	91	8563	0.10	PPBV	92
56) m,p-XYLENE	15.29	106	6881m	0.18	PPBV	
57) o-XYLENE	15.78	106	3329	0.09	PPBV	91
60) BROMOFORM	15.39	173	12175	0.18	PPBV	92
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	8853	0.15	PPBV	96

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

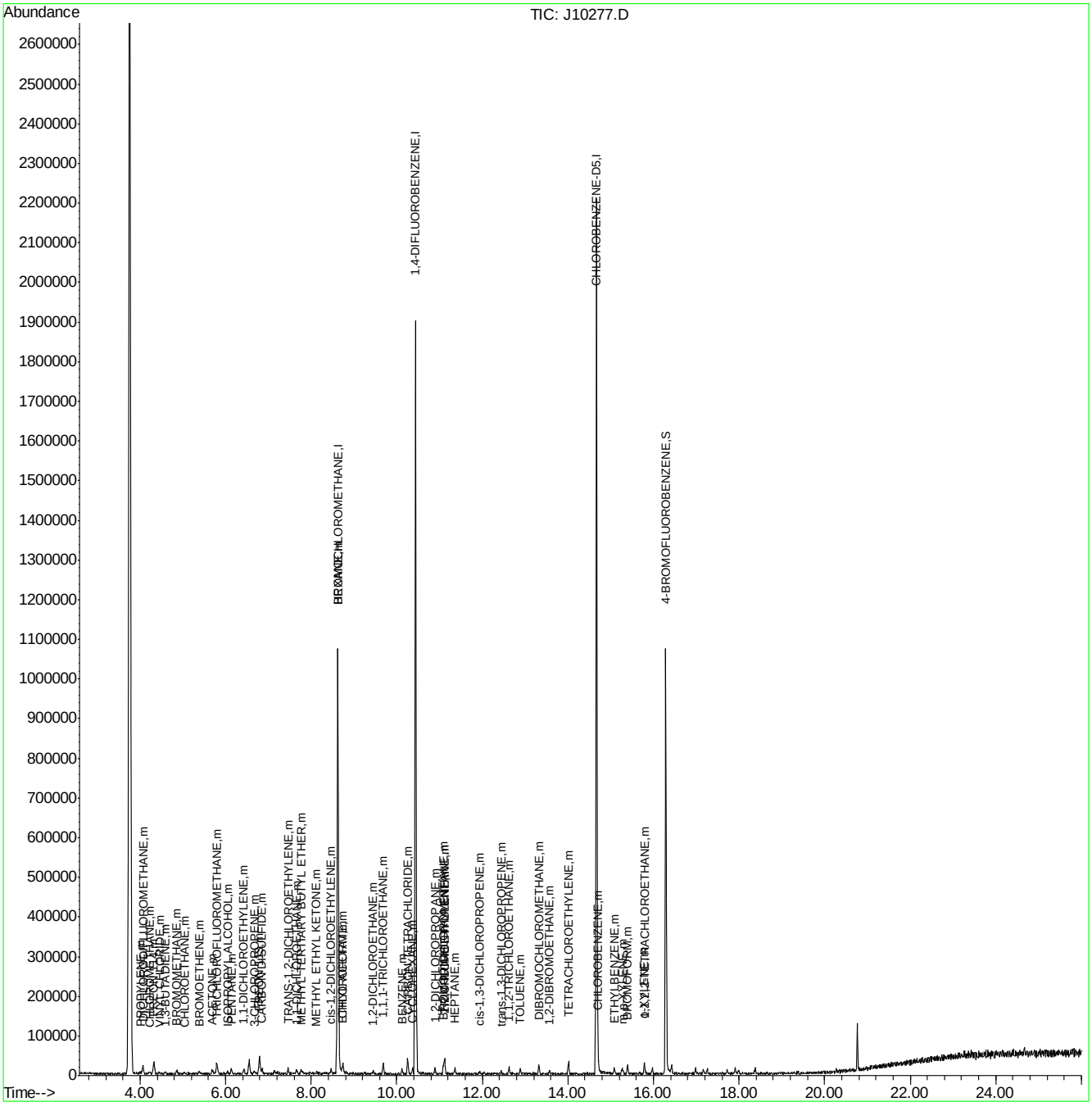
6.7.10

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10277.D
Acq On : 9 May 2007 6:39 pm
Operator : danat
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:40:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:35:02 2007
Response via : Initial Calibration



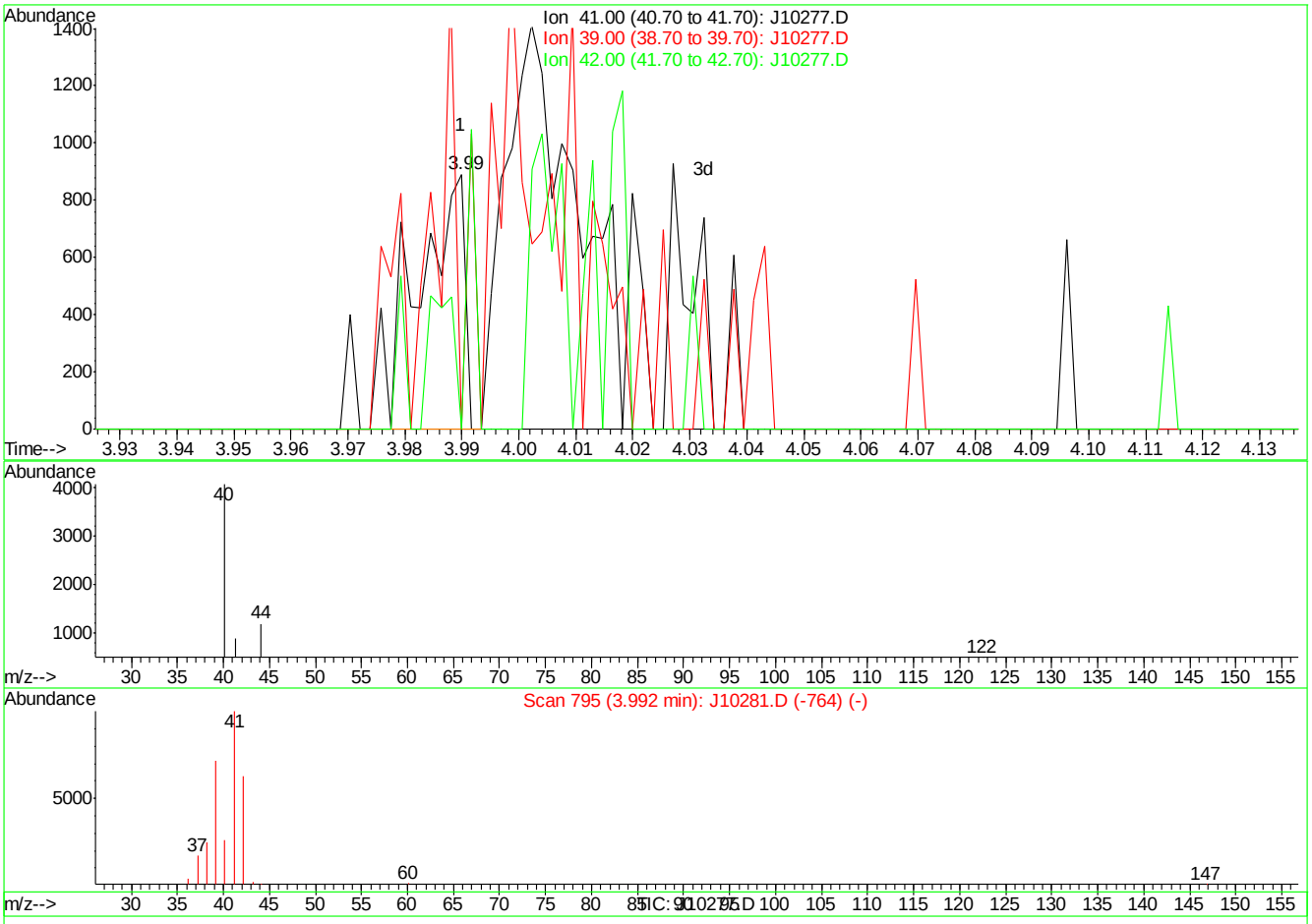
ACCUTEST Laboratories
M64555

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(3) PROPYLENE (m)

3.99min 0.04PPBV

response 567

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	0.00#
42.00	62.70	0.00#
0.00	0.00	0.00

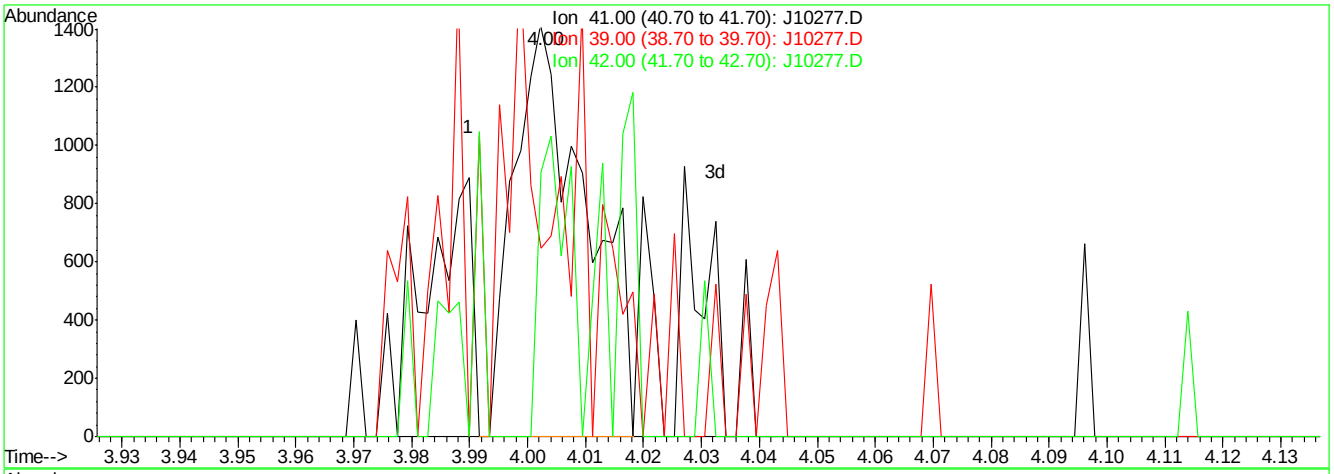
J10277.D J050907T.M Thu May 10 08:35:35 2007

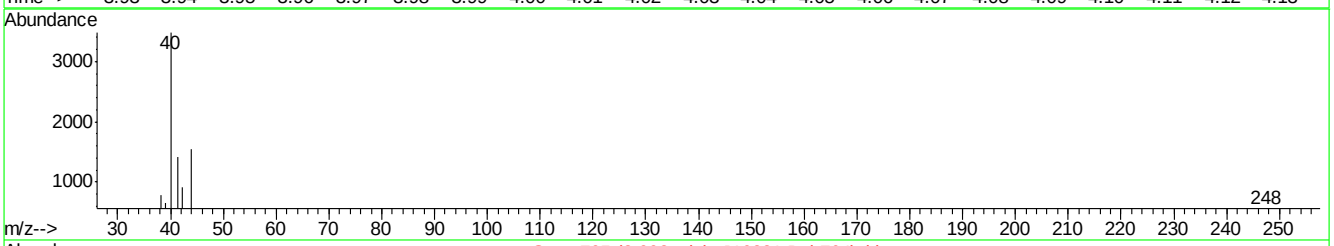
Quantitation Report (Qedit)

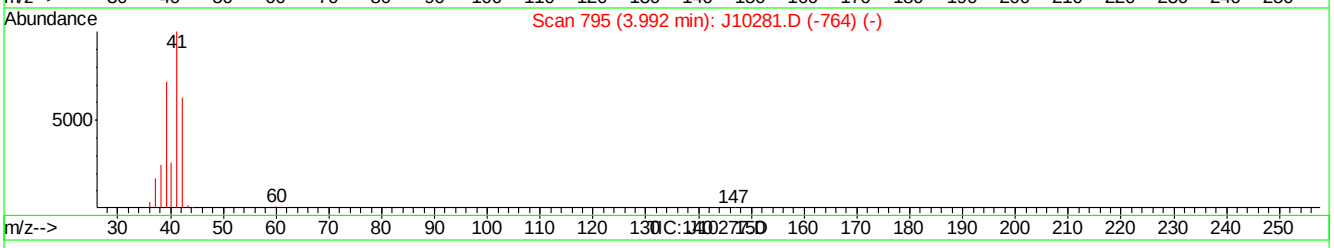
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(3) PROPYLENE (m)

4.00min 0.09PPBV m

response 1240

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	45.77#
42.00	62.70	64.25
0.00	0.00	0.00

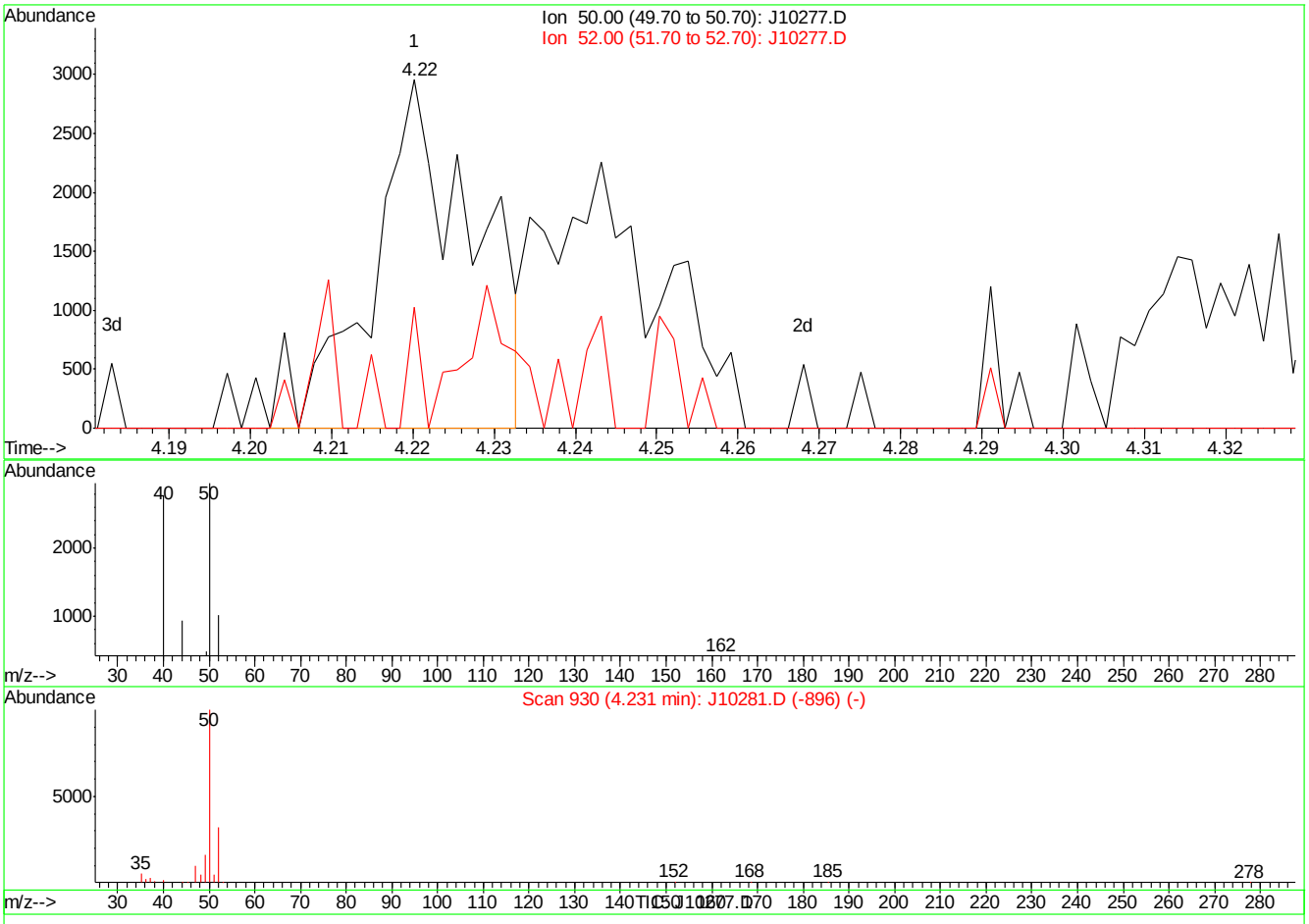
J10277.D J050907T.M Thu May 10 08:35:44 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(5) CHLOROMETHANE (m)

4.22min 0.12PPBV

response 2652

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	29.05
0.00	0.00	0.00
0.00	0.00	0.00

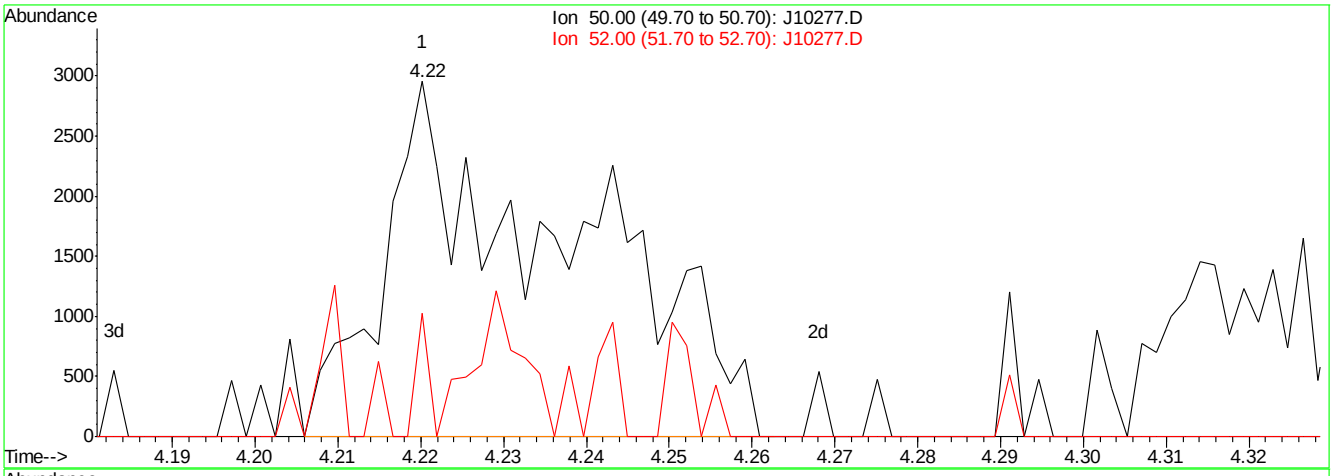
J10277.D J050907T.M Thu May 10 08:35:58 2007

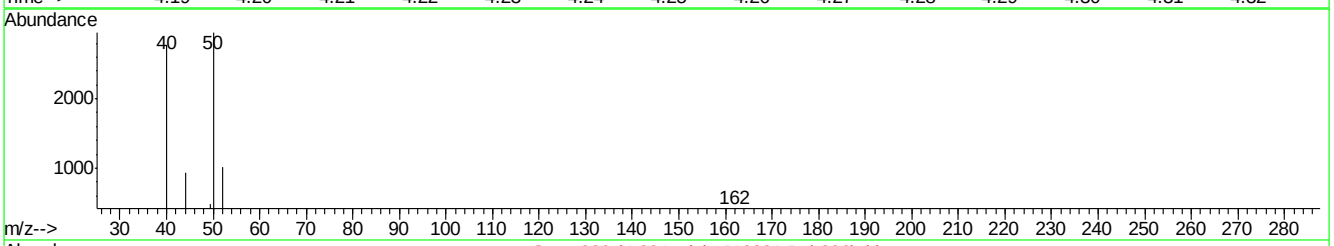
Quantitation Report (Qedit)

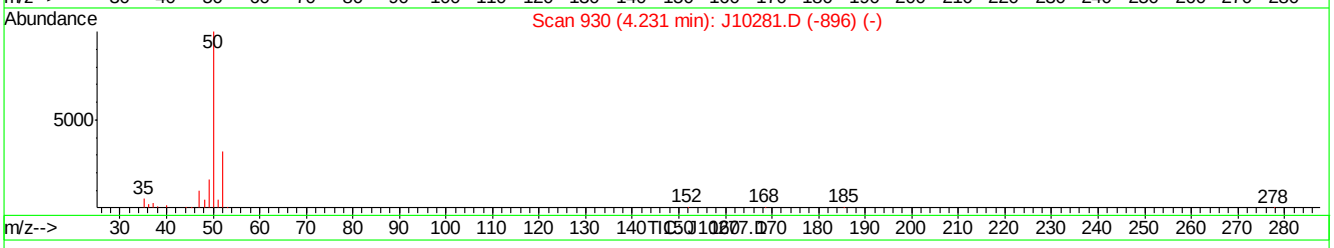
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(5) CHLOROMETHANE (m)

4.22min 0.21PPBV m

response 4633

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	34.59
0.00	0.00	0.00
0.00	0.00	0.00

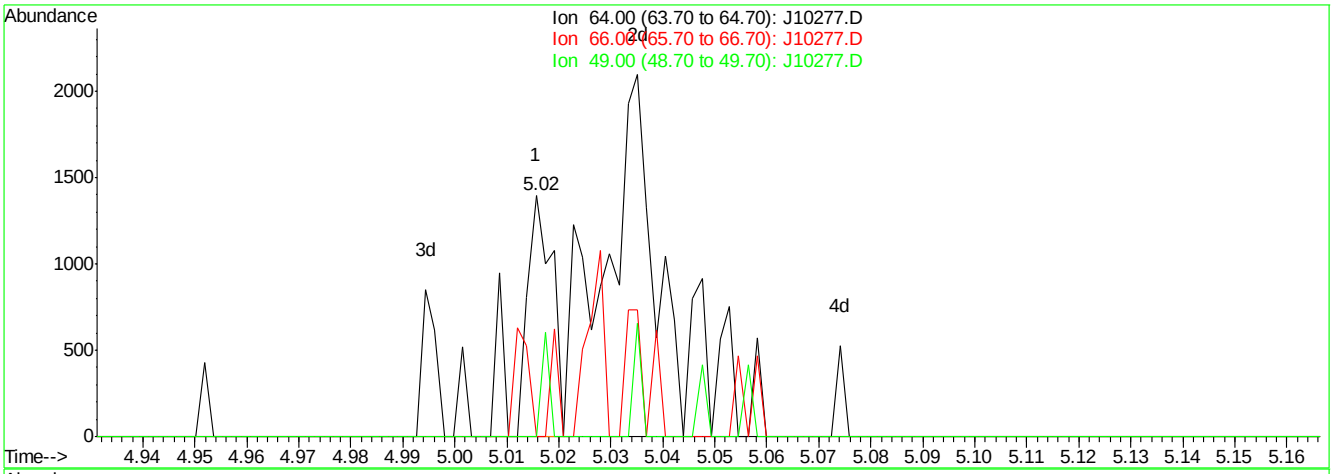
J10277.D J050907T.M Thu May 10 08:36:03 2007

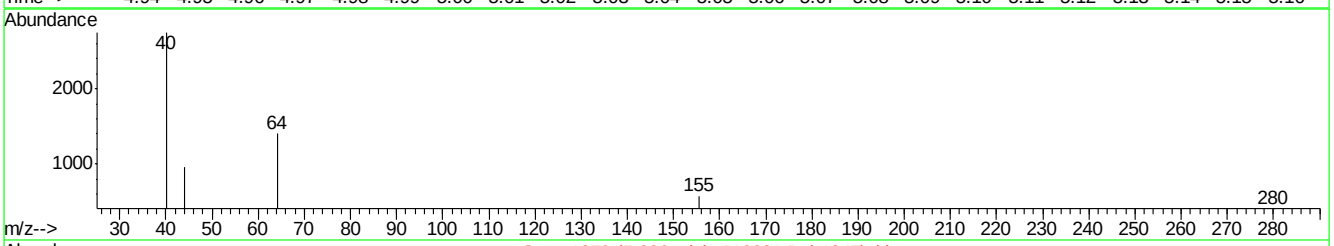
Quantitation Report (Qedit)

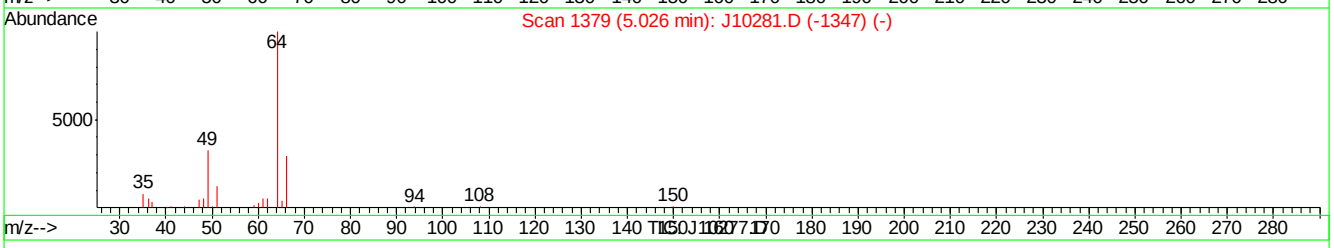
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 557

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	22.08
49.00	30.20	11.49
0.00	0.00	0.00

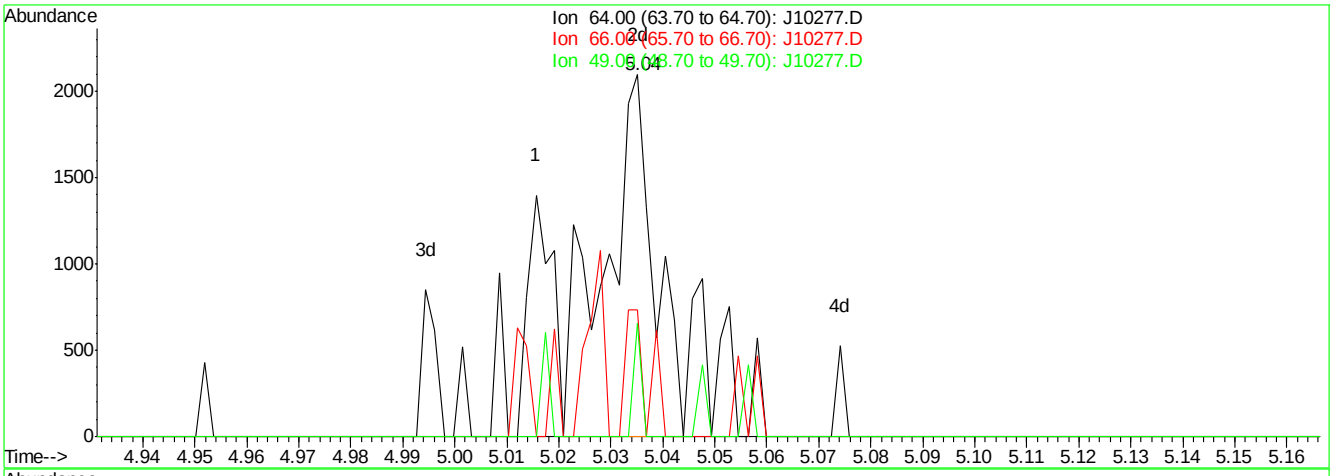
J10277.D J050907T.M Thu May 10 08:36:16 2007

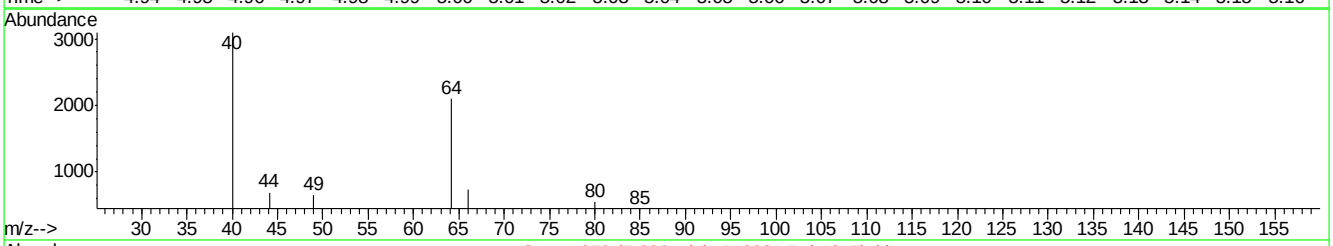
Quantitation Report (Qedit)

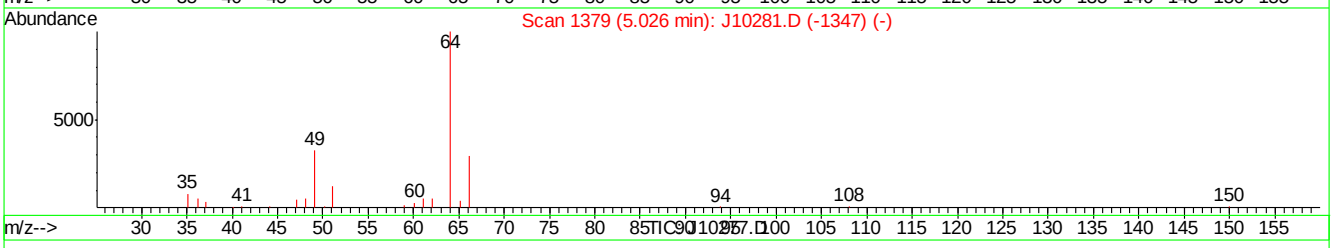
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.04min 0.12PPBV m

response 1417

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	8.68#
49.00	30.20	4.52#
0.00	0.00	0.00

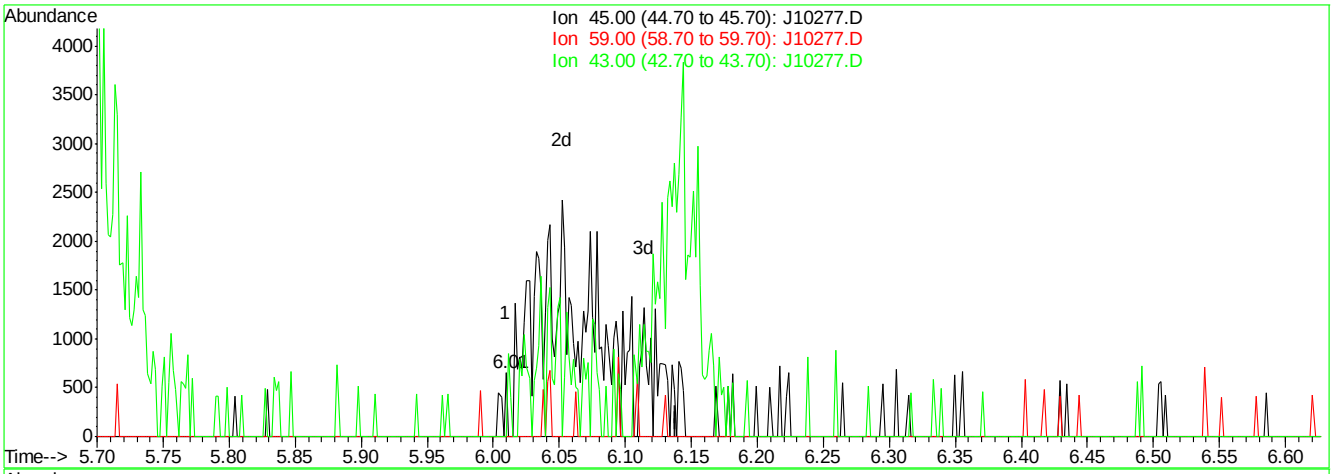
J10277.D J050907T.M Thu May 10 08:36:22 2007

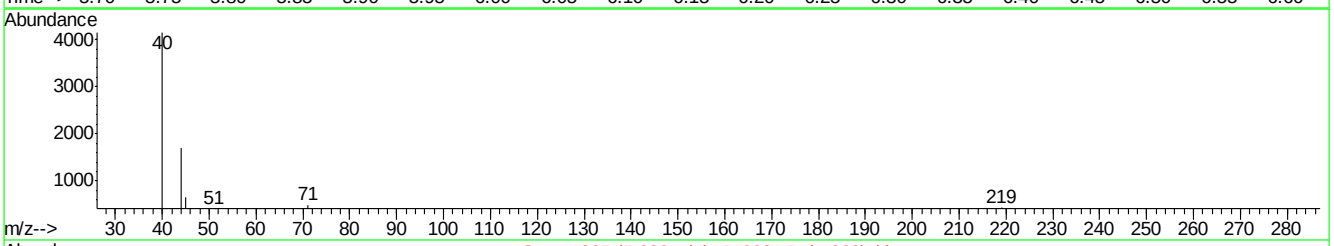
Quantitation Report (Qedit)

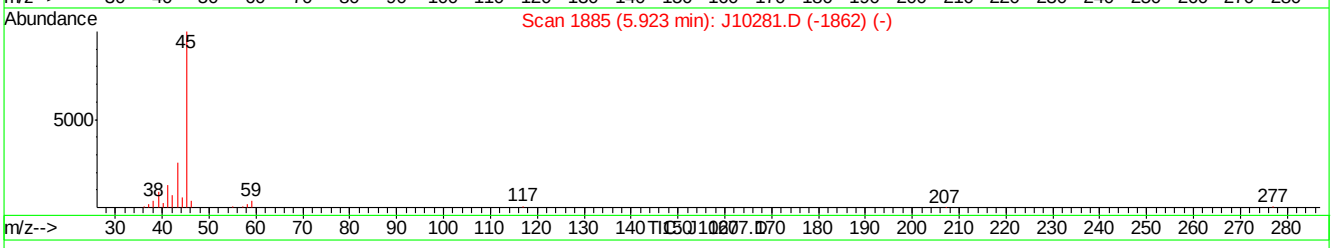
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.01min 0.01PPBV

response 160

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

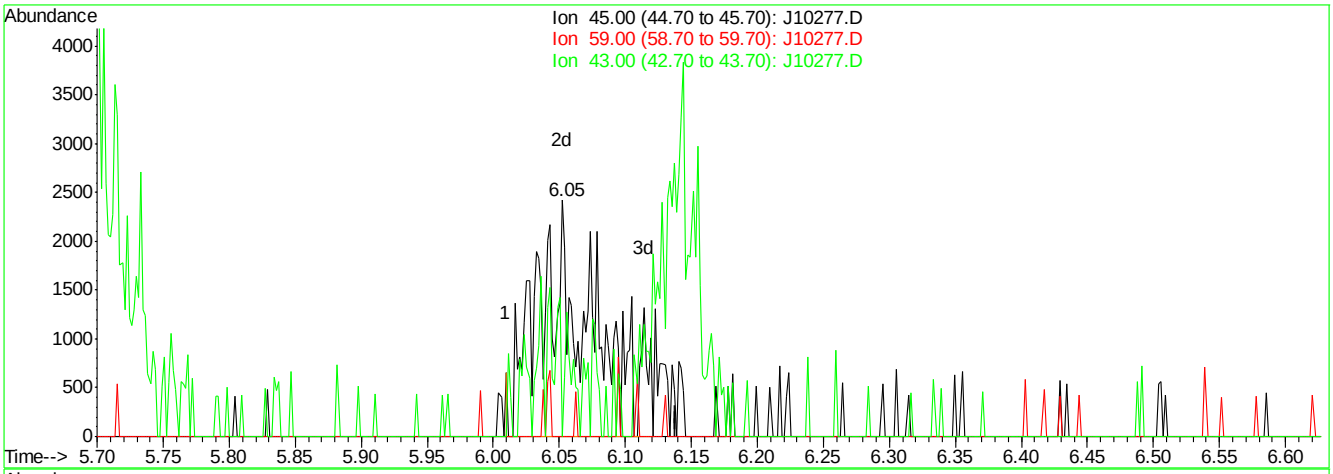
J10277.D J050907T.M Thu May 10 08:36:30 2007

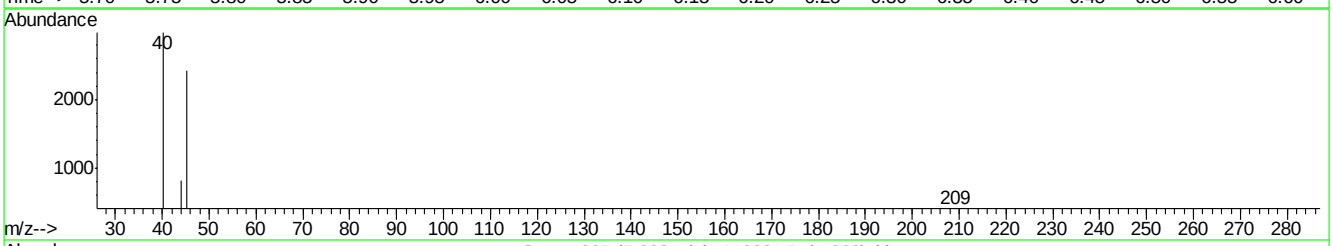
Quantitation Report (Qedit)

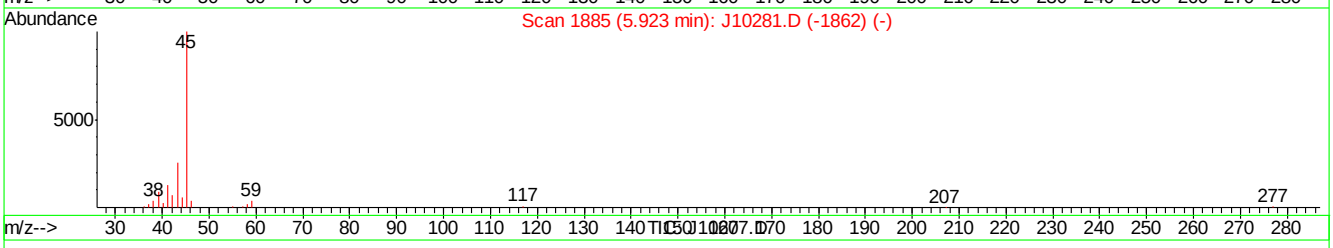
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.05min 0.28PPBV m

response 6895

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

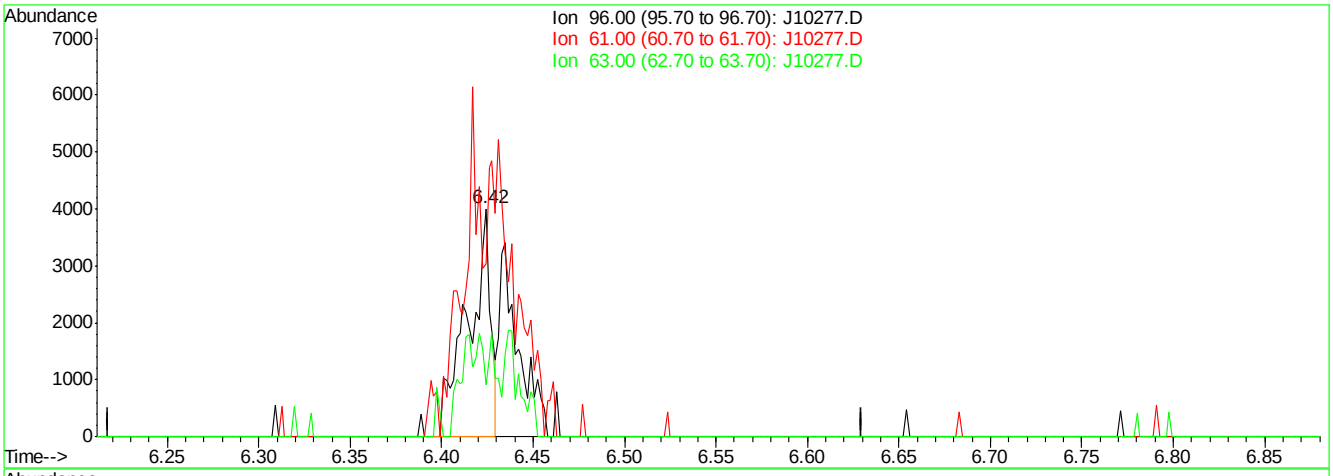
J10277.D J050907T.M Thu May 10 08:36:36 2007

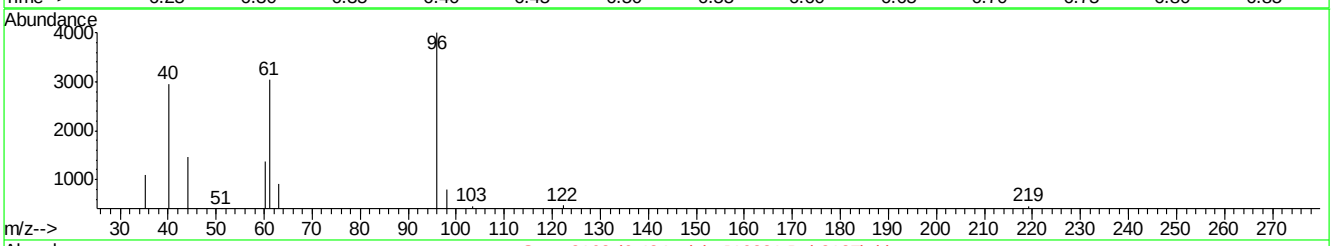
Quantitation Report (Qedit)

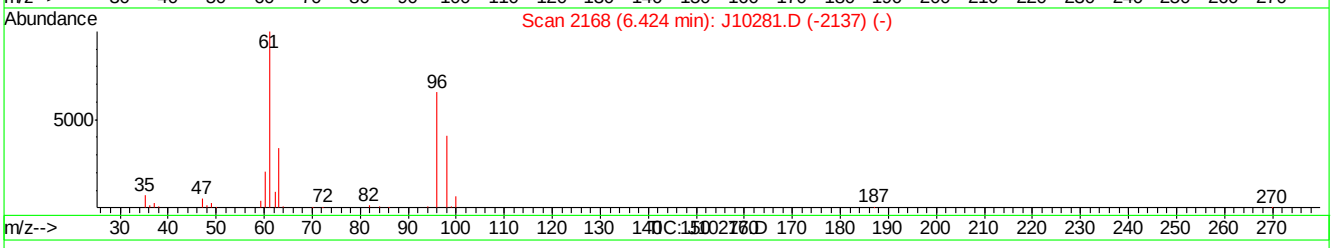
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.11PPBV

response 3441

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	284.42#
63.00	52.40	62.05
0.00	0.00	0.00

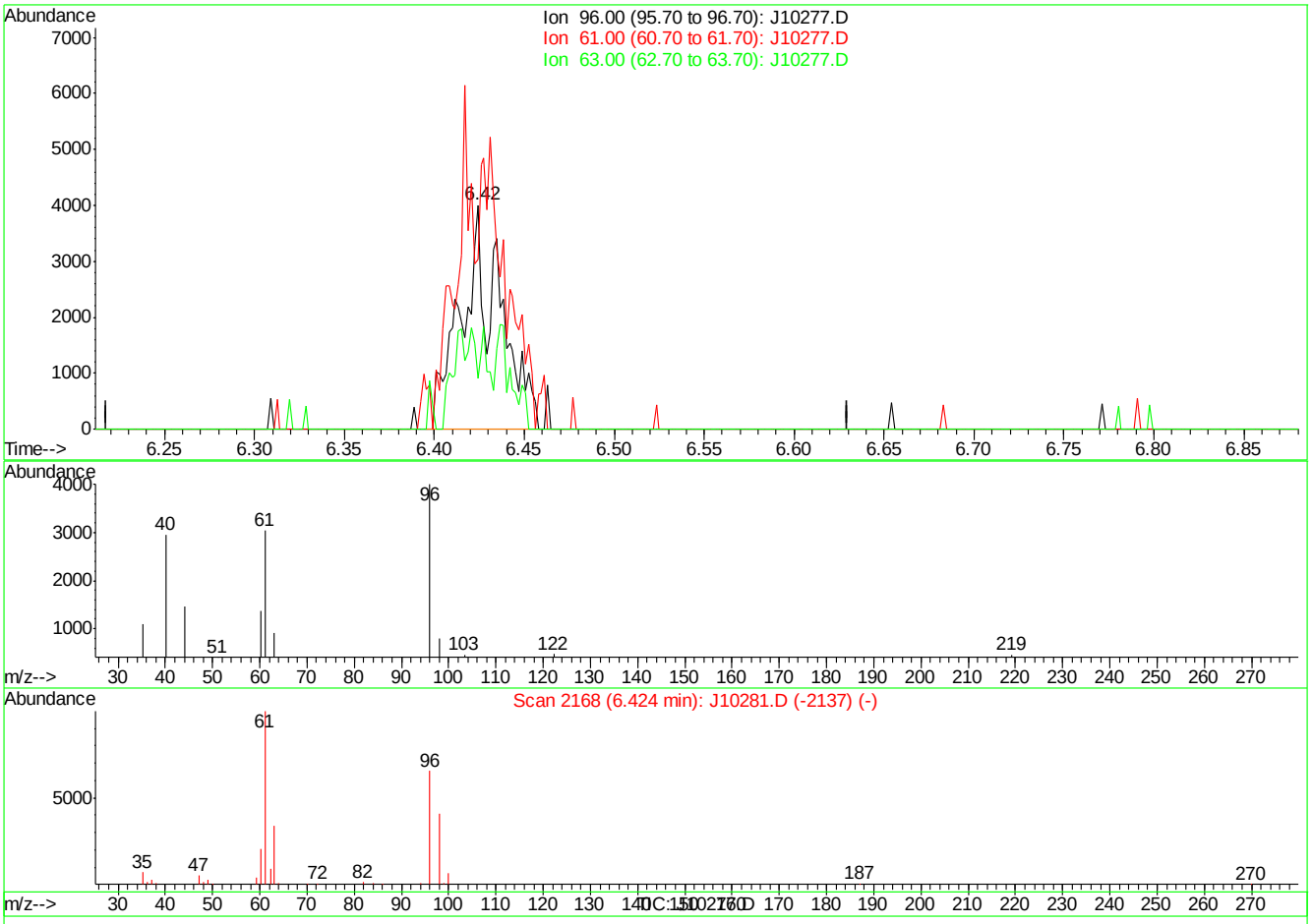
J10277.D J050907T.M Thu May 10 08:36:49 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.19PPBV m

response 5906

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	165.71
63.00	52.40	36.15
0.00	0.00	0.00

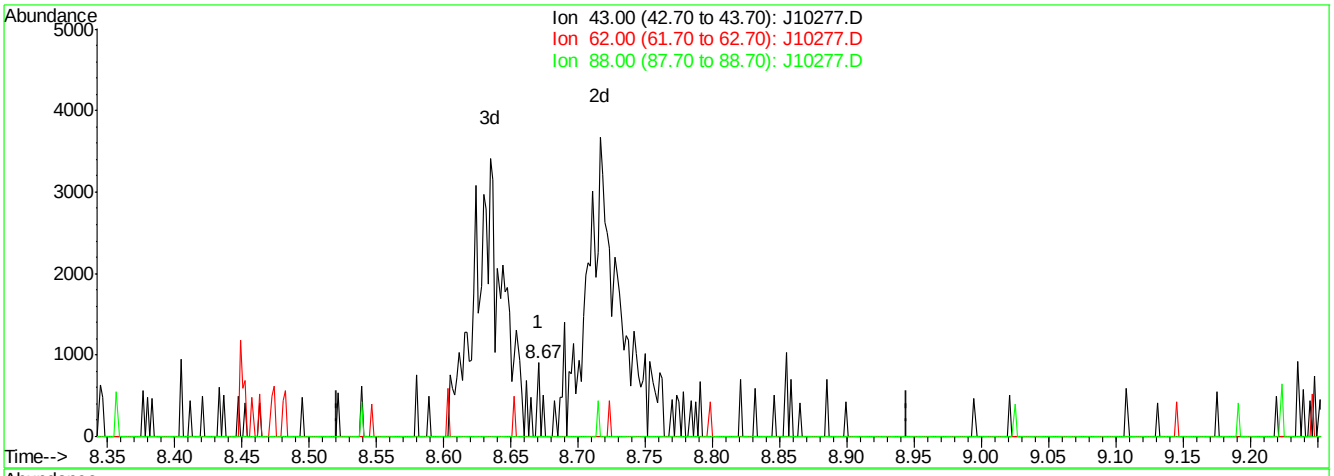
J10277.D J050907T.M Thu May 10 08:36:54 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(30) ETHYL ACETATE (m)

8.67min 0.00PPBV

response 151

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	34.44#
88.00	4.70	0.00
0.00	0.00	0.00

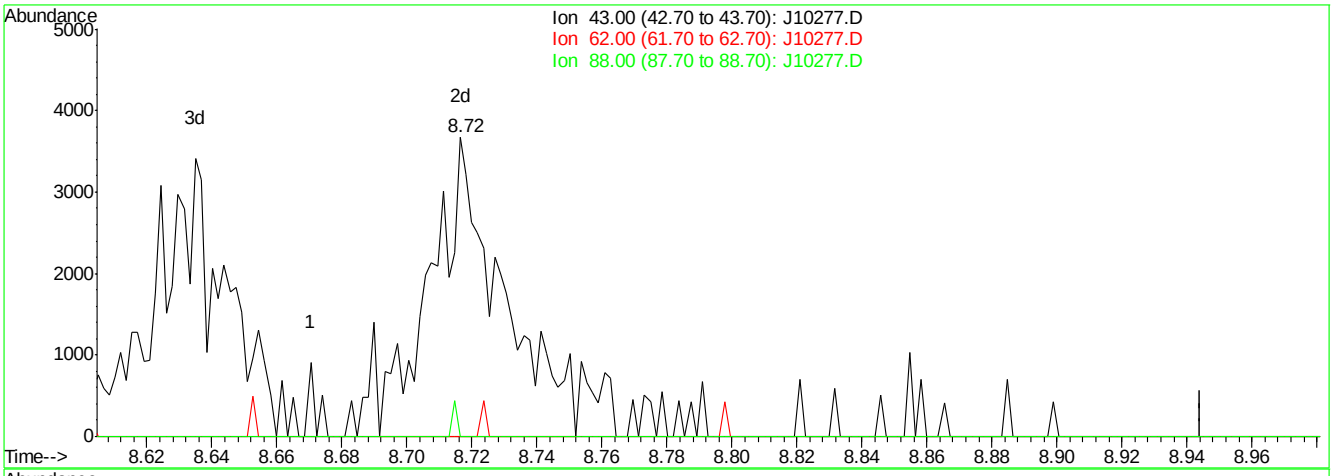
J10277.D J050907T.M Thu May 10 08:37:49 2007

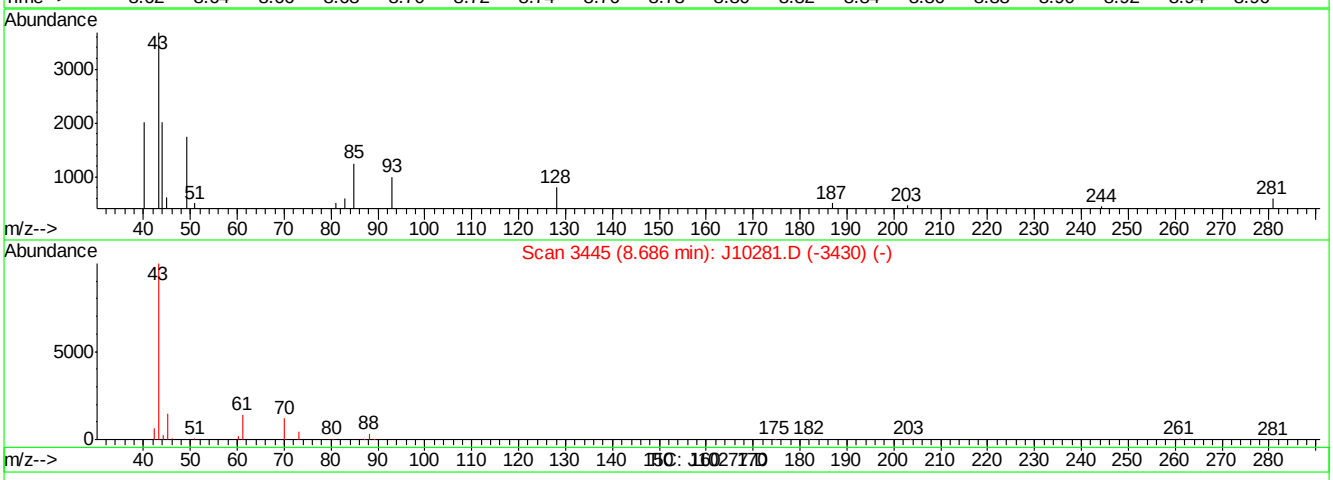
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration





(30) ETHYL ACETATE (m)

8.72min 0.16PPBV m

response 5570

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	0.93
88.00	4.70	0.00
0.00	0.00	0.00

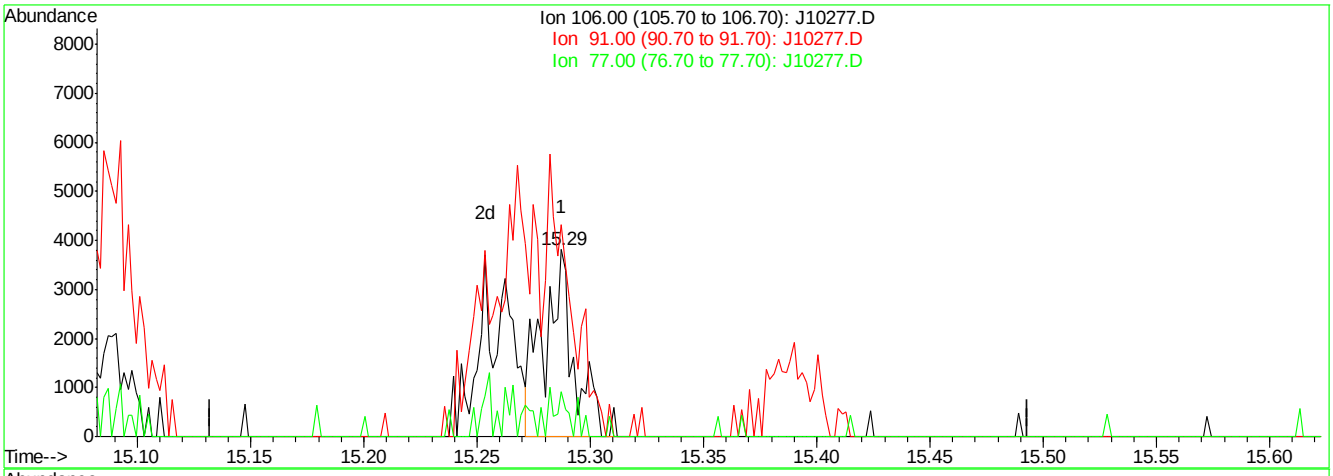
J10277.D J050907T.M Thu May 10 08:38:02 2007

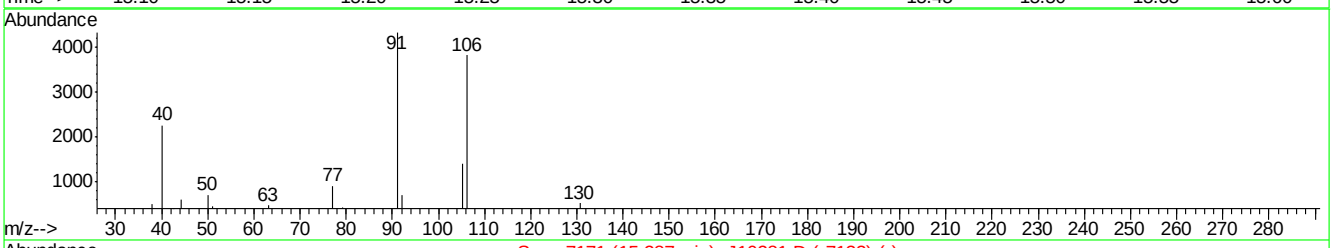
Quantitation Report (Qedit)

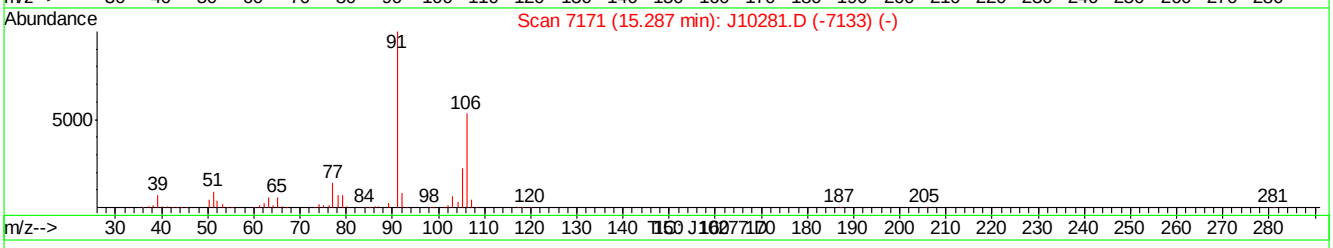
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.10PPBV

response 3552

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

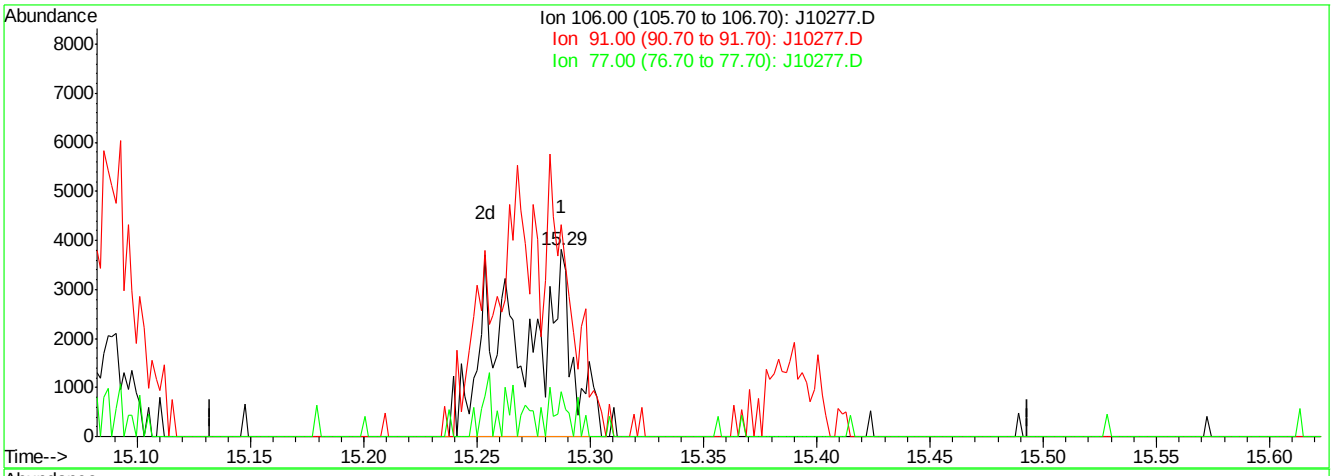
J10277.D J050907T.M Thu May 10 08:39:14 2007

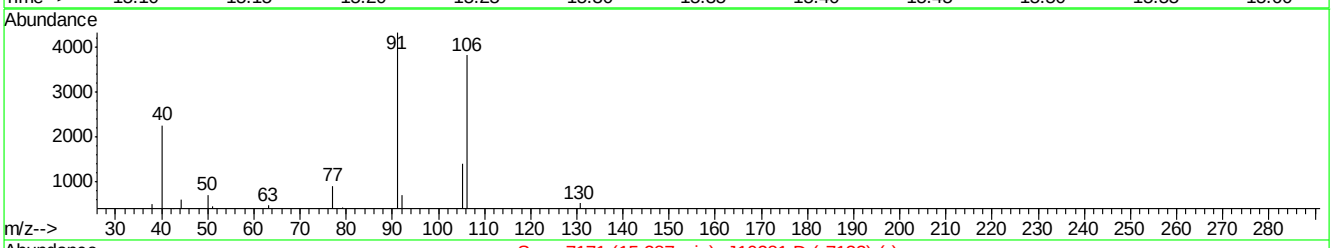
Quantitation Report (Qedit)

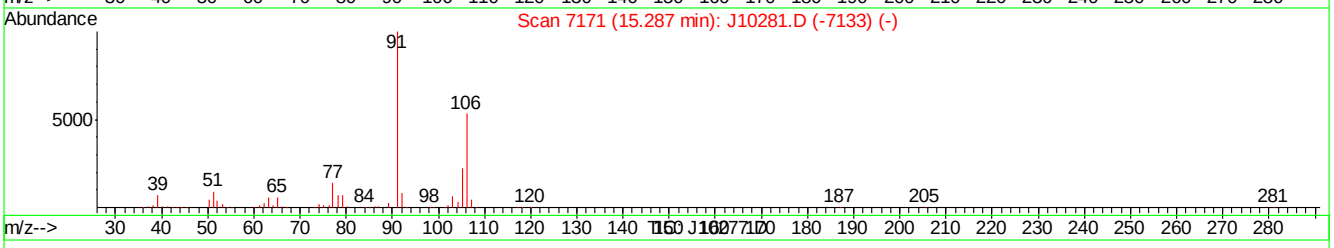
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.18PPBV m

response 6881

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

J10277.D J050907T.M Thu May 10 08:39:20 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/11/07 16:35

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10278.D
Acq On : 9 May 2007 7:29 pm
Operator : danat
Sample : IC533-0.5 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:34:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:30:48 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	303253	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1271837	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1022579	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	248904	3.88	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 77.60%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	59841	0.59	PPBV		99
3) PROPYLENE	3.99	41	3304	0.25	PPBV	#	64
4) FREON 114	4.32	85	49964	0.58	PPBV		100
5) CHLOROMETHANE	4.22	50	10199	0.52	PPBV		72
6) VINYL CHLORIDE	4.44	62	14859	0.62	PPBV		92
7) 1,3-BUTADIENE	4.59	39	7393	0.46	PPBV	#	58
8) BROMOMETHANE	4.86	94	16476	0.56	PPBV	#	14
9) CHLOROETHANE	5.03	64	5817	0.55	PPBV	#	64
10) TRICHLOROFLUOROMETHANE	5.80	101	64408	0.63	PPBV		94
11) ISOPROPYL ALCOHOL	5.98	45	8617	0.38	PPBV		71
12) ACETONE	5.67	43	20402	0.79	PPBV		90
13) PENTANE	6.14	42	10013	0.54	PPBV		96
14) 1,1-DICHLOROETHYLENE	6.42	96	12550	0.45	PPBV	#	82
15) CARBON DISULFIDE	6.84	76	46974	0.60	PPBV		96
16) ETHANOL	5.23	45	1054	0.27	PPBV		88
17) BROMOETHENE	5.38	106	12685	0.44	PPBV		99
18) METHYLENE CHLORIDE	6.55	84	101487	4.11	PPBV		96
19) 3-CHLOROPROPENE	6.65	39	10064	0.59	PPBV	#	11
20) FREON 113	6.79	151	38798	0.62	PPBV		98
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	14508	0.56	PPBV		97
22) TERTIARY BUTYL ALCOHOL	6.60	59	9940	0.30	PPBV		76
23) METHYL TERTIARY BUTYL ETHE	7.74	73	25551	0.51	PPBV		80
24) TETRAHYDROFURAN	9.23	42	4448m	0.32	PPBV		
25) HEXANE	8.63	57	18242	0.70	PPBV		91
26) VINYL ACETATE	7.79	43	12990	0.43	PPBV		86
27) 1,1-DICHLOROETHANE	7.66	63	25680	0.62	PPBV		98
28) METHYL ETHYL KETONE	8.08	43	13917	0.50	PPBV		66
29) cis-1,2-DICHLOROETHYLENE	8.46	96	13138	0.53	PPBV		98
30) ETHYL ACETATE	8.70	43	16867	0.54	PPBV		95
31) CHLOROFORM	8.74	83	37104	0.61	PPBV		99
32) 1,1,1-TRICHLOROETHANE	9.68	97	41748	0.59	PPBV		99
33) CARBON TETRACHLORIDE	10.26	117	55167	0.60	PPBV		96
34) 1,2-DICHLOROETHANE	9.45	62	19616	0.57	PPBV		94
36) BENZENE	10.12	78	28276	0.51	PPBV		98
37) CYCLOHEXANE	10.37	84	10724	0.39	PPBV		95
38) TRICHLOROETHYLENE	11.11	95	16450	0.52	PPBV		96
39) 1,2-DICHLOROPROPANE	10.89	63	10804	0.60	PPBV	#	85
40) BROMODICHLOROMETHANE	11.09	83	35777	0.64	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	33493	0.39	PPBV		89
42) 1,4-DIOXANE	11.24	88	808m	0.09	PPBV		
43) HEPTANE	11.36	43	9865	0.38	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10278.D
Acq On : 9 May 2007 7:29 pm
Operator : danat
Sample : IC533-0.5 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:34:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:30:48 2007
Response via : Initial Calibration

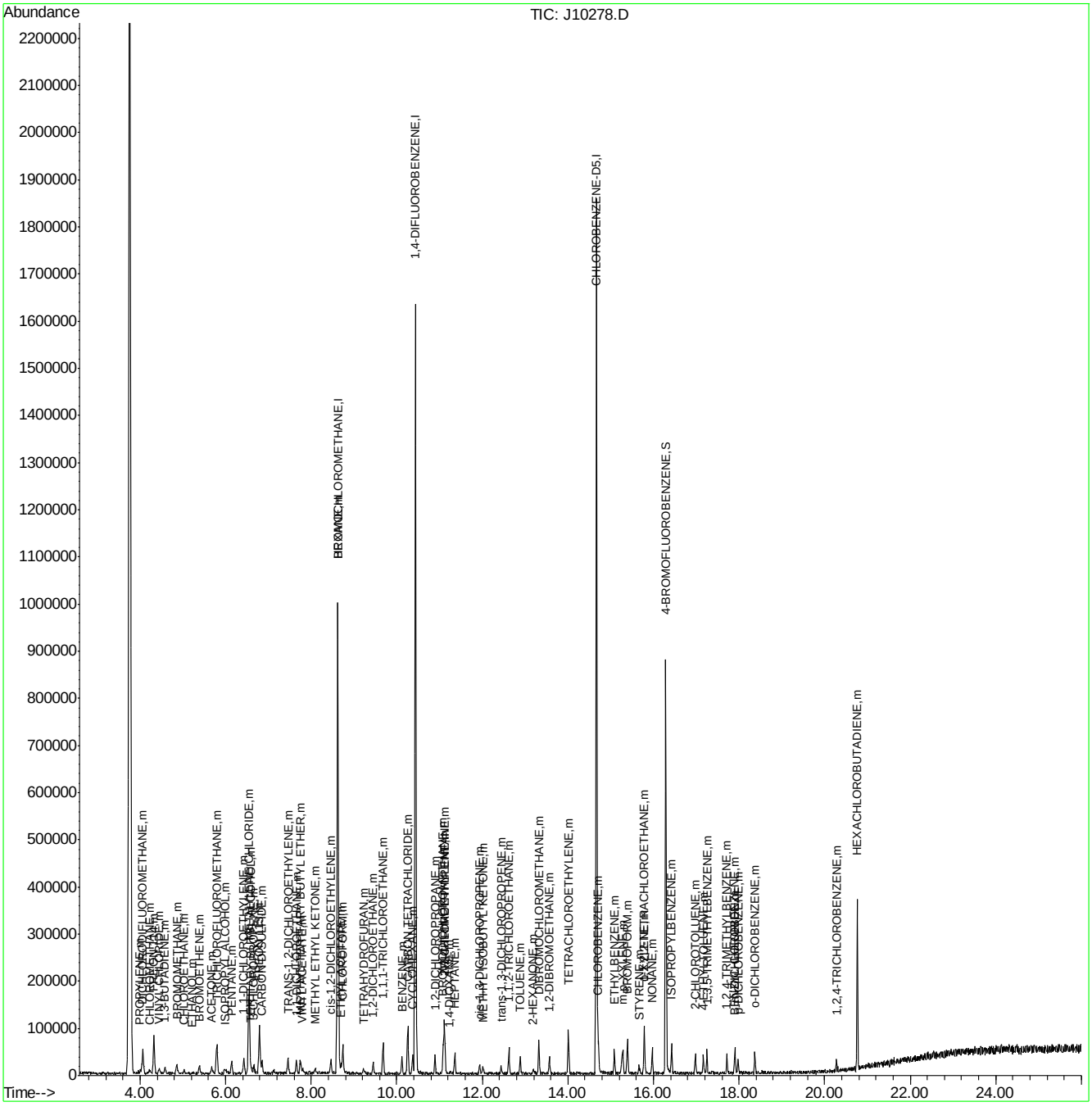
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	9402	0.31	PPBV		83
45) cis-1,3-DICHLOROPROPENE	11.94	75	10454	0.37	PPBV		94
46) TOLUENE	12.89	92	14159	0.36	PPBV		91
47) trans-1,3-DICHLOROPROPENE	12.44	75	7429	0.27	PPBV		94
48) 1,1,2-TRICHLOROETHANE	12.62	83	11654	0.57	PPBV		91
50) 2-HEXANONE	13.20	43	5962m	0.26	PPBV		
51) TETRACHLOROETHYLENE	14.01	164	21493	0.64	PPBV		96
52) DIBROMOCHLOROMETHANE	13.32	129	36088	0.68	PPBV		94
53) 1,2-DIBROMOETHANE	13.57	107	18069	0.51	PPBV		95
54) CHLOROBENZENE	14.71	112	30195	0.55	PPBV		98
55) ETHYLBENZENE	15.09	91	26982	0.34	PPBV		96
56) m,p-XYLENE	15.27	106	20949	0.63	PPBV	#	56
57) o-XYLENE	15.77	106	10835	0.32	PPBV		98
58) STYRENE	15.66	104	8882	0.21	PPBV		96
59) NONANE	15.97	43	10837	0.35	PPBV		93
60) BROMOFORM	15.39	173	33030	0.59	PPBV		95
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	30492	0.64	PPBV		98
63) ISOPROPYLBENZENE	16.43	105	32943	0.35	PPBV		98
64) 2-CHLOROTOLUENE	16.97	91	21360	0.34	PPBV		99
65) 4-ETHYLTOLUENE	17.17	105	20980	0.25	PPBV		98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	23503	0.31	PPBV		97
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	17132	0.25	PPBV		97
68) m-DICHLOROBENZENE	17.90	146	18344	0.34	PPBV		95
69) BENZYL CHLORIDE	17.88	91	11159	0.27	PPBV		86
70) p-DICHLOROBENZENE	17.98	146	15394	0.31	PPBV		93
71) o-DICHLOROBENZENE	18.37	146	19372	0.42	PPBV		97
72) HEXACHLOROBUTADIENE	20.77	225	57566	1.98	PPBV		97
73) 1,2,4-TRICHLOROBENZENE	20.28	180	7369	0.50	PPBV		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10278.D
Acq On : 9 May 2007 7:29 pm
Operator : danat
Sample : IC533-0.5 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:34:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:30:48 2007
Response via : Initial Calibration

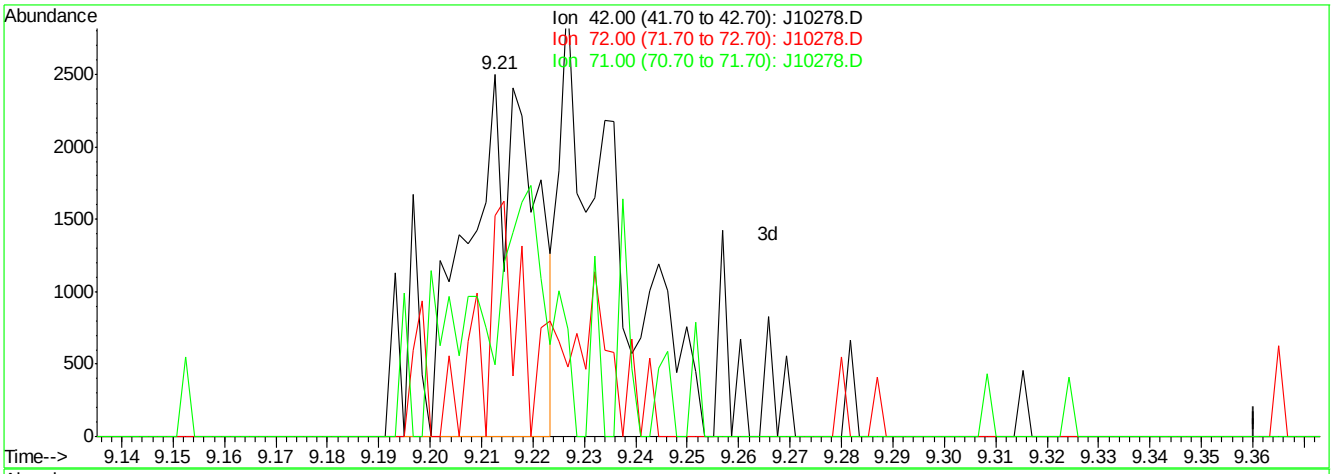


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.21min 0.18PPBV

response 2563

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	27.08#
71.00	52.50	65.90
0.00	0.00	0.00

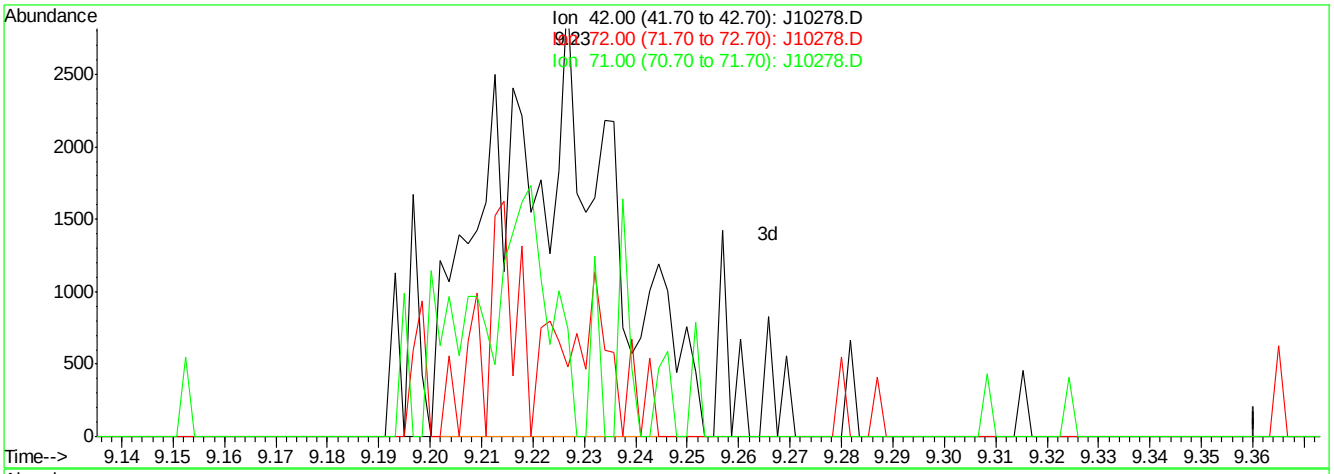
J10278.D J050907T.M Thu May 10 08:32:39 2007

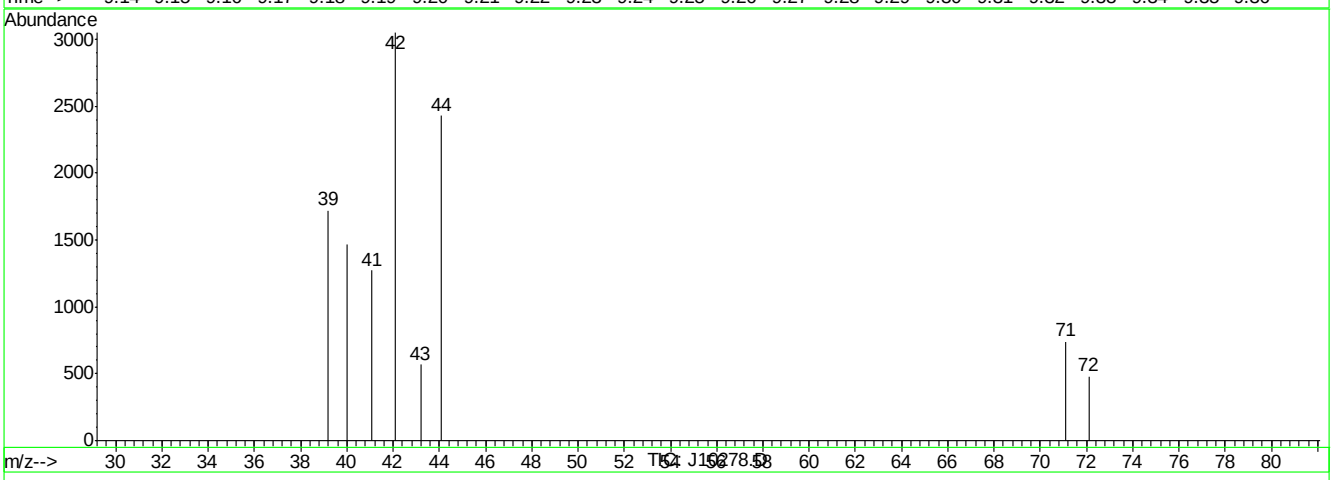
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.23min 0.32PPBV m

response 4448

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	15.60#
71.00	52.50	37.97
0.00	0.00	0.00

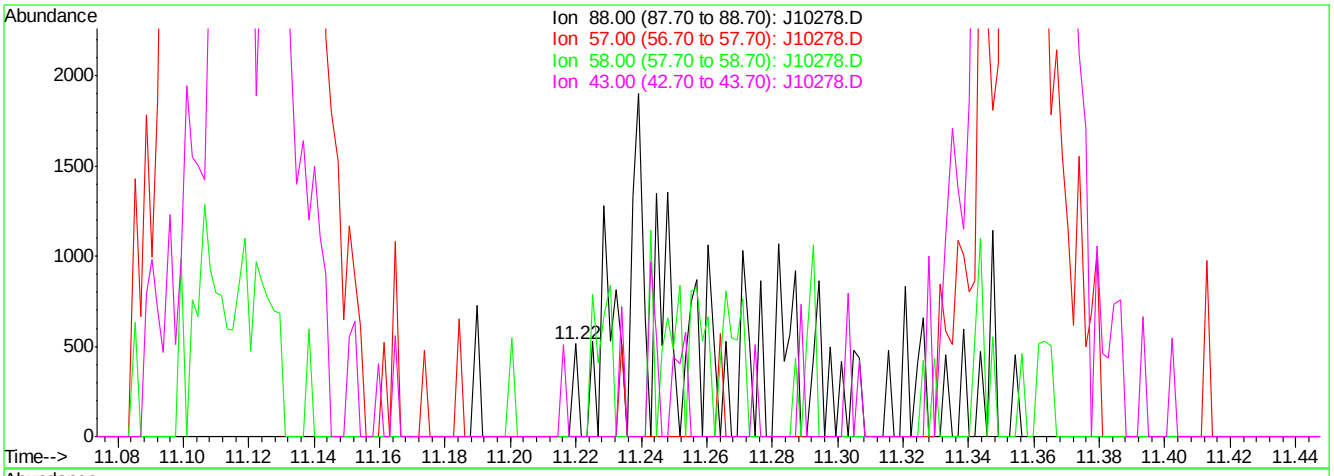
J10278.D J050907T.M Thu May 10 08:32:46 2007

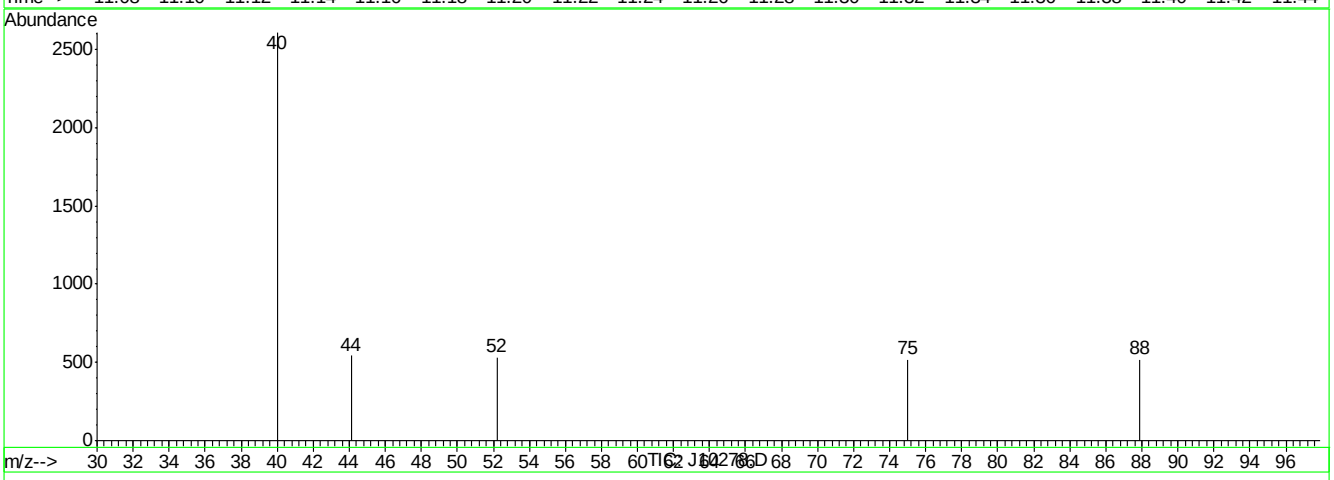
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.22min 0.01PPBV

response 55

Ion	Exp%	Act%
88.00	100	100
57.00	26.70	0.00#
58.00	51.70	0.00#
43.00	24.80	0.00#

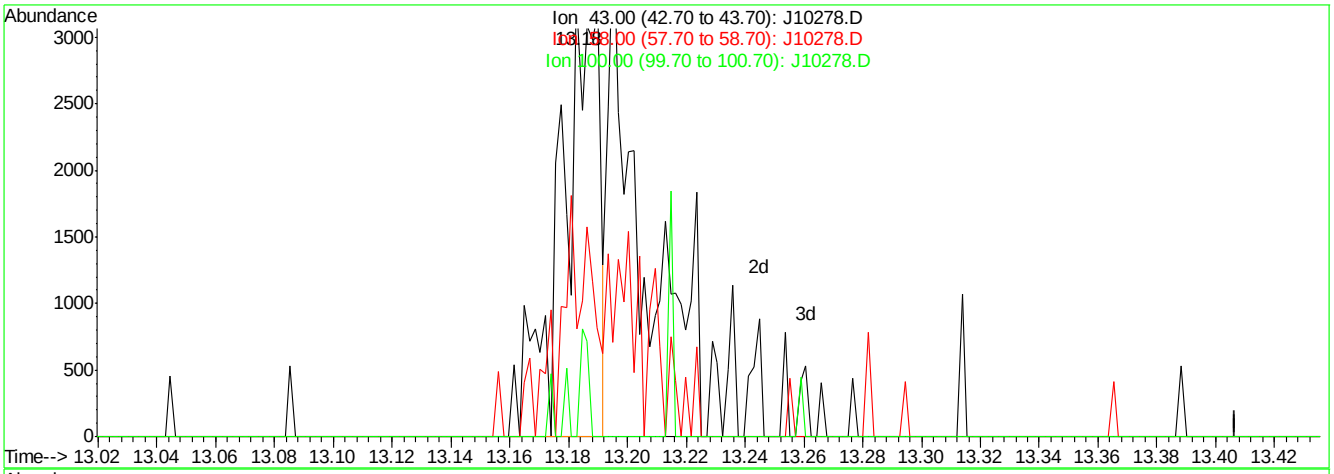
J10278.D J050907T.M Thu May 10 08:33:15 2007

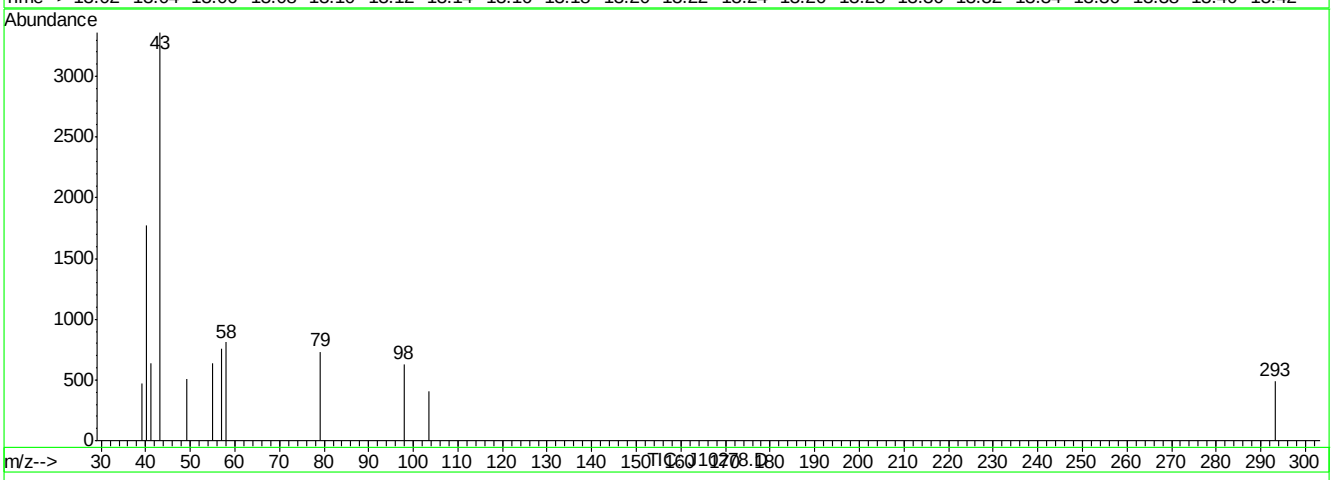
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.18min 0.13PPBV

response 2999

Ion	Exp%	Act%
43.00	100	100
58.00	52.90	72.66
100.00	11.70	5.40
0.00	0.00	0.00

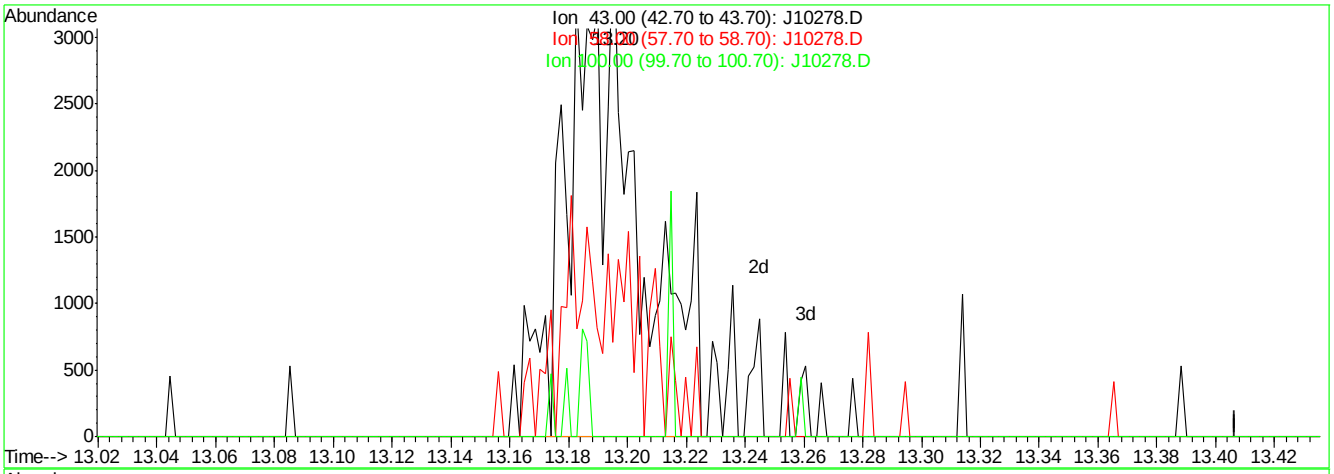
J10278.D J050907T.M Thu May 10 08:33:47 2007

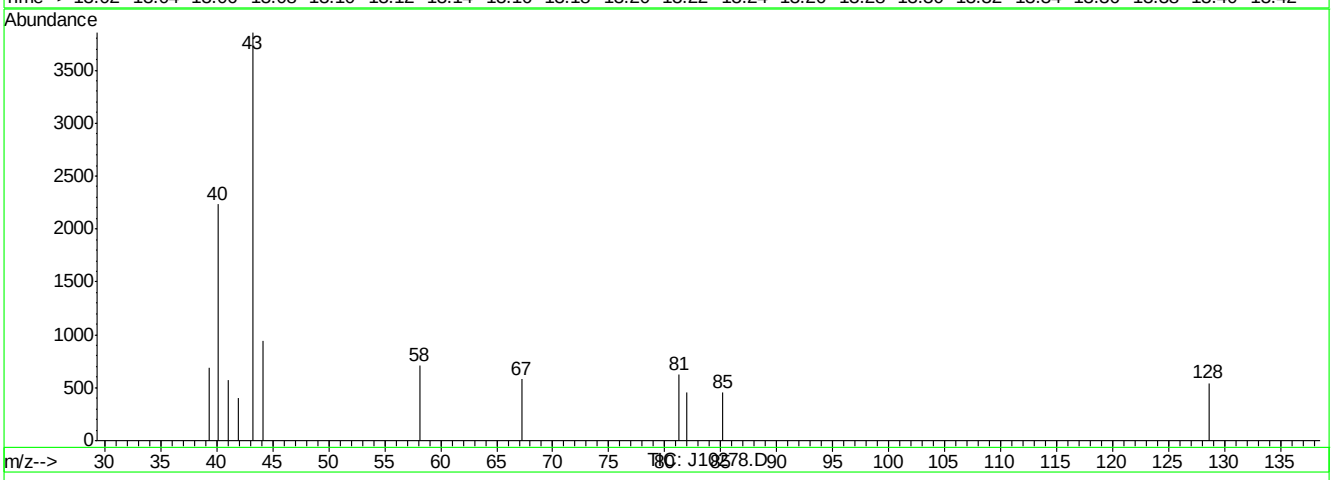
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.20min 0.26PPBV m

response 5962

Ion	Exp%	Act%
43.00	100	100
58.00	52.90	36.55
100.00	11.70	2.72
0.00	0.00	0.00

J10278.D J050907T.M Thu May 10 08:33:53 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10279.D
Acq On : 9 May 2007 8:18 pm
Operator : danat
Sample : IC533-40 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:26:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:25:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	404357	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1793963	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.68	117	1690369	10.00	PPBV	0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.31	95	598108	5.36	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	5045782	38.33	PPBV	100
3) PROPYLENE	3.99	41	713566	38.59	PPBV	89
4) FREON 114	4.32	85	4377290	39.66	PPBV	99
5) CHLOROMETHANE	4.23	50	974089	38.95	PPBV	96
6) VINYL CHLORIDE	4.45	62	1234612	38.44	PPBV	98
7) 1,3-BUTADIENE	4.58	39	893531	41.12	PPBV	98
8) BROMOMETHANE	4.86	94	1506649	39.48	PPBV	99
9) CHLOROETHANE	5.02	64	594297	40.67	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.80	101	5287371	40.57	PPBV	100
11) ISOPROPYL ALCOHOL	5.97	45	1378514	40.51	PPBV	98
12) ACETONE	5.65	43	1478585	42.51	PPBV	99
13) PENTANE	6.14	42	973868	40.12	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	1508099	40.21	PPBV	97
15) CARBON DISULFIDE	6.85	76	3991509	39.44	PPBV	99
16) ETHANOL	5.20	45	232995	42.55	PPBV #	57
17) BROMOETHENE	5.38	106	1567714	40.51	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	1330636	41.19	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	1065920	46.84	PPBV	97
20) FREON 113	6.79	151	3304804	41.16	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1468282	42.02	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.57	59	2031691	41.97	PPBV	94
23) METHYL TERTIARY BUTYL ETHE	7.73	73	2972098	43.06	PPBV	100
24) TETRAHYDROFURAN	9.18	42	887741	44.28	PPBV	99
25) HEXANE	8.63	57	1482683	43.06	PPBV	97
26) VINYL ACETATE	7.81	43	1907349	45.21	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	2350712	43.53	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	1636032	42.50	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.47	96	1467409	44.74	PPBV	99
30) ETHYL ACETATE	8.70	43	1831614	42.86	PPBV	99
31) CHLOROFORM	8.76	83	3420136	43.96	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	4199585	45.18	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	5183665	43.27	PPBV	100
34) 1,2-DICHLOROETHANE	9.47	62	2052096	46.44	PPBV	99
36) BENZENE	10.13	78	3765517	47.71	PPBV	100
37) CYCLOHEXANE	10.38	84	1728156	43.53	PPBV	100
38) TRICHLOROETHYLENE	11.13	95	1979928	45.92	PPBV	97
39) 1,2-DICHLOROPROPANE	10.91	63	1215349	48.02	PPBV	99
40) BROMODICHLOROMETHANE	11.11	83	3527334	46.31	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	5658069	44.13	PPBV	100
42) 1,4-DIOXANE	11.18	88	699433	46.50	PPBV	98
43) HEPTANE	11.37	43	1725520	46.42	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10279.D
Acq On : 9 May 2007 8:18 pm
Operator : danat
Sample : IC533-40 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:26:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:25:12 2007
Response via : Initial Calibration

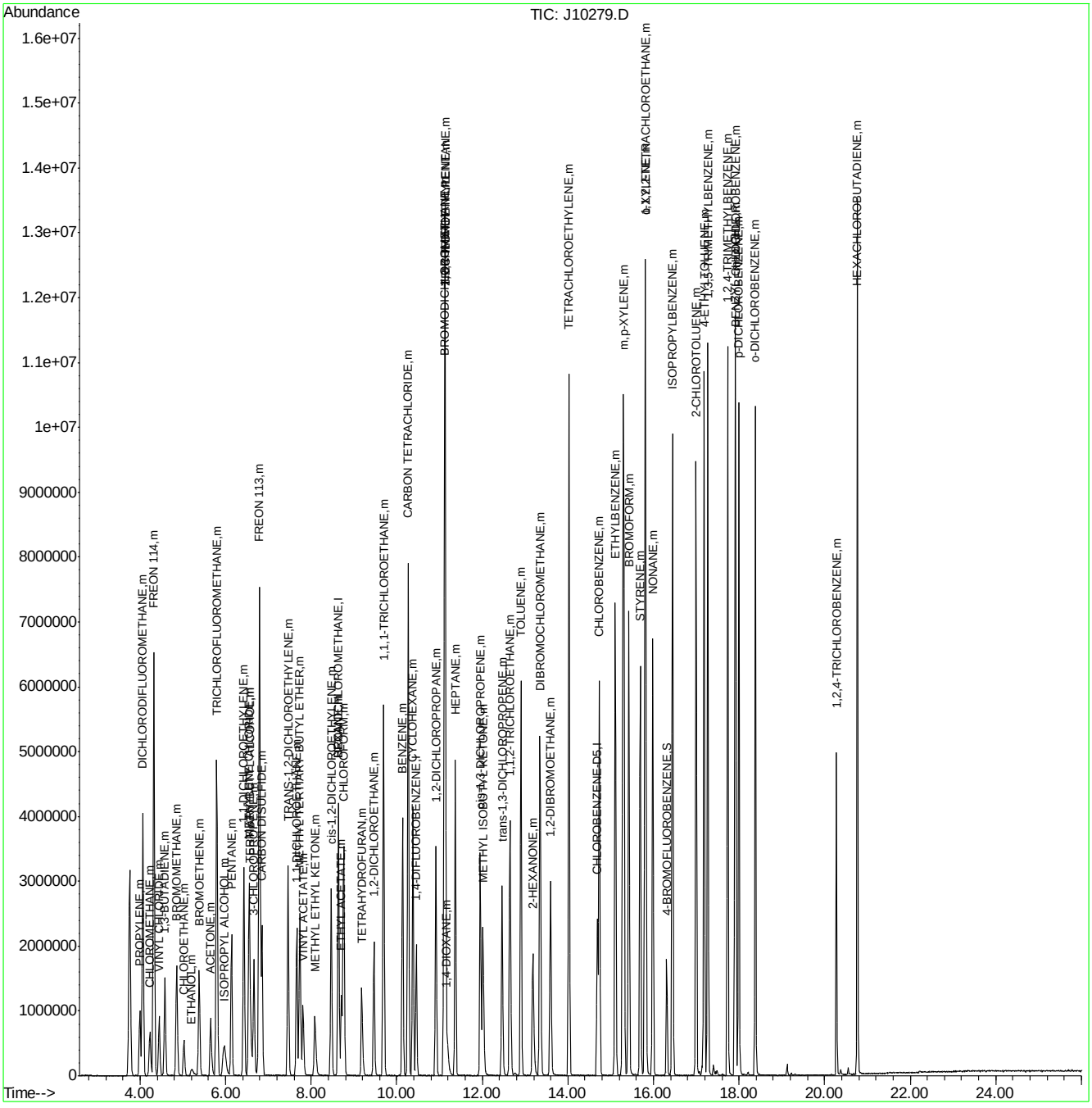
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	2181947	47.85	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.95	75	2021787	48.53	PPBV	99
46) TOLUENE	12.90	92	2853663	49.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	2009963	49.38	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.65	83	1349208	47.18	PPBV	100
50) 2-HEXANONE	13.18	43	1955501	48.86	PPBV	98
51) TETRACHLOROETHYLENE	14.02	164	2604938	48.09	PPBV	98
52) DIBROMOCHLOROMETHANE	13.35	129	3875669	45.99	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	2742121	47.00	PPBV	99
54) CHLOROBENZENE	14.73	112	4037572	45.72	PPBV	100
55) ETHYLBENZENE	15.11	91	6386800	46.94	PPBV	99
56) m,p-XYLENE	15.29	106	5293566	93.91	PPBV	98
57) o-XYLENE	15.80	106	2702230	47.71	PPBV	99
58) STYRENE	15.69	104	3892158	50.18	PPBV	99
59) NONANE	15.99	43	2462505	46.64	PPBV	98
60) BROMOFORM	15.42	173	4304858	47.41	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	3627252	46.66	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	7832569	47.78	PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	5399300	49.15	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	7335819	50.40	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	6548425	49.39	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	6245441	52.23	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	4624539	52.96	PPBV	98
69) BENZYL CHLORIDE	17.90	91	3959343	55.29	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	4326368	52.50	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	4142730	53.59	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	2354646	50.90	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	1390577	53.70	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10279.D
Acq On : 9 May 2007 8:18 pm
Operator : danat
Sample : IC533-40 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:26:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:25:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10280.D
Acq On : 9 May 2007 9:05 pm
Operator : danat
Sample : IC533-20 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:25:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:23:49 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	404934	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1815477	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1676330	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	561983	5.17	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 103.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2650639	20.22	PPBV	99
3) PROPYLENE	3.99	41	376167	20.64	PPBV	93
4) FREON 114	4.33	85	2252269	20.77	PPBV	100
5) CHLOROMETHANE	4.23	50	512360	20.94	PPBV	100
6) VINYL CHLORIDE	4.45	62	657359	20.90	PPBV	99
7) 1,3-BUTADIENE	4.59	39	452627	21.67	PPBV	99
8) BROMOMETHANE	4.86	94	786147	21.17	PPBV	99
9) CHLOROETHANE	5.03	64	301582	21.26	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	2644990	20.54	PPBV	99
11) ISOPROPYL ALCOHOL	5.94	45	730444	23.09	PPBV	99
12) ACETONE	5.65	43	734728	22.31	PPBV	99
13) PENTANE	6.14	42	491846	20.47	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	771388	21.10	PPBV	99
15) CARBON DISULFIDE	6.85	76	2068017	20.83	PPBV	99
16) ETHANOL	5.20	45	118793	23.62	PPBV #	54
17) BROMOETHENE	5.39	106	806417	21.69	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	668158	21.36	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	480167	22.26	PPBV	98
20) FREON 113	6.79	151	1652492	21.13	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	731482	21.90	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.54	59	1052857	23.77	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.73	73	1480582	23.06	PPBV	100
24) TETRAHYDROFURAN	9.17	42	435946	23.75	PPBV	98
25) HEXANE	8.64	57	708987	21.16	PPBV	98
26) VINYL ACETATE	7.80	43	917657	23.76	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	1114776	21.27	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	825016	23.01	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	685038	21.79	PPBV	99
30) ETHYL ACETATE	8.69	43	911778	22.80	PPBV #	87
31) CHLOROFORM	8.75	83	1604838	21.23	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.69	97	1946543	21.91	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	2458241	21.01	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	937386	22.52	PPBV	100
36) BENZENE	10.13	78	1689378	22.44	PPBV	100
37) CYCLOHEXANE	10.37	84	830372	21.38	PPBV	100
38) TRICHLOROETHYLENE	11.12	95	912002	21.88	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	539801	22.27	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	1611690	21.90	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	2706384	21.79	PPBV	100
42) 1,4-DIOXANE	11.17	88	334145	24.33	PPBV	97
43) HEPTANE	11.37	43	792620	22.26	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10280.D
Acq On : 9 May 2007 9:05 pm
Operator : danat
Sample : IC533-20 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:25:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:23:49 2007
Response via : Initial Calibration

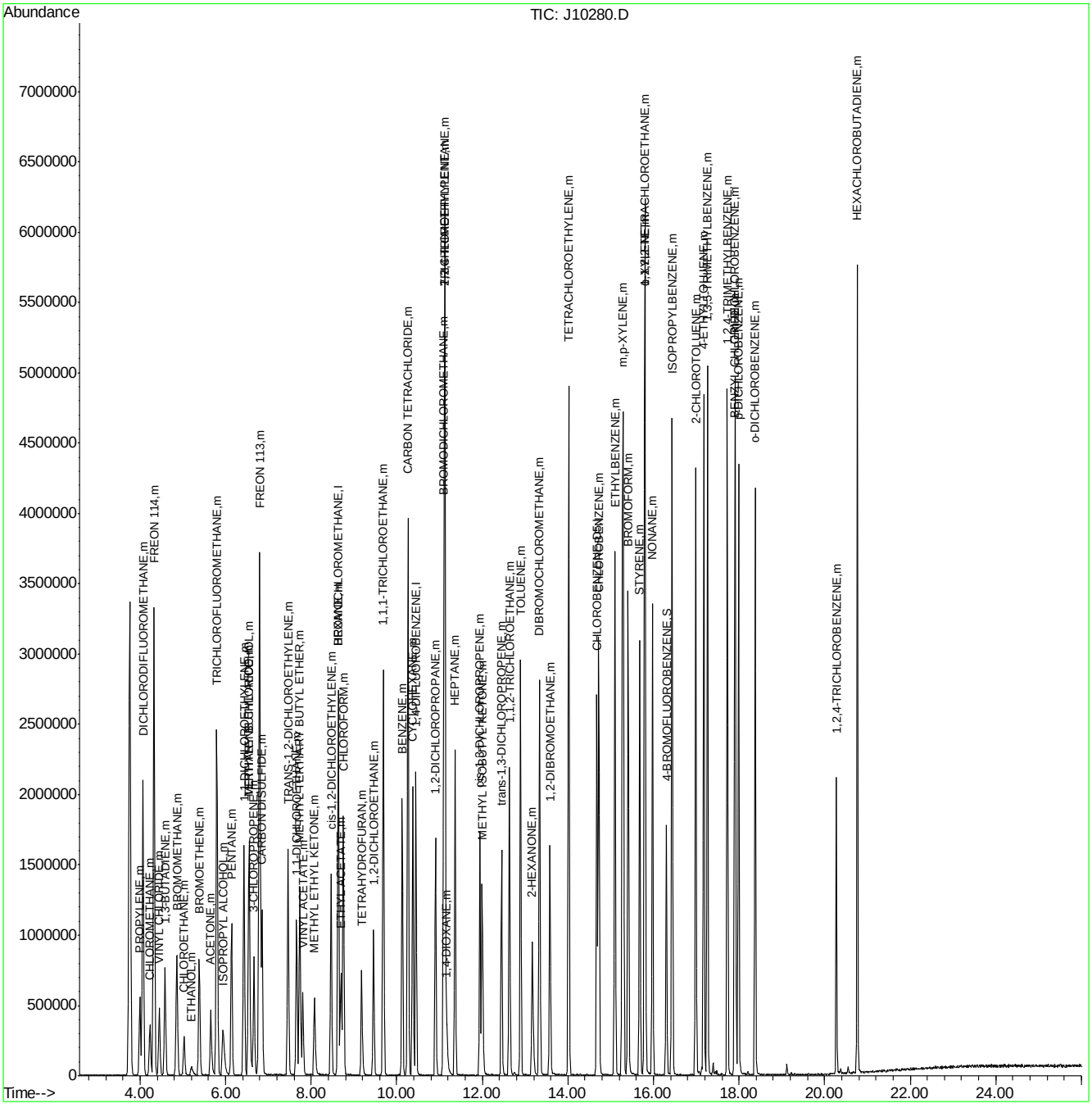
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	998239	23.56	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	916926	23.83	PPBV	99
46) TOLUENE	12.89	92	1270141	23.50	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	906659	24.47	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.63	83	613035	22.52	PPBV	99
50) 2-HEXANONE	13.16	43	863718	23.87	PPBV	99
51) TETRACHLOROETHYLENE	14.02	164	1140031	22.61	PPBV	98
52) DIBROMOCHLOROMETHANE	13.33	129	1748302	21.93	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	1236020	22.93	PPBV	100
54) CHLOROBENZENE	14.72	112	1854324	22.50	PPBV	99
55) ETHYLBENZENE	15.10	91	2884297	22.96	PPBV	99
56) m,p-XYLENE	15.29	106	2360655	44.73	PPBV	95
57) o-XYLENE	15.79	106	1187661	22.43	PPBV	99
58) STYRENE	15.68	104	1691471	24.42	PPBV	99
59) NONANE	15.98	43	1099191	22.09	PPBV	98
60) BROMOFORM	15.41	173	1913327	22.66	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	1633305	22.53	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	3466671	22.84	PPBV	100
64) 2-CHLOROTOLUENE	16.99	91	2358153	23.58	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	3154305	24.09	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	2843131	23.53	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	2612283	24.52	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	1901266	24.34	PPBV	98
69) BENZYL CHLORIDE	17.89	91	1575414	24.90	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	1791624	24.26	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	1681726	24.29	PPBV	100
72) HEXACHLOROBUTADIENE	20.77	225	977770	22.81	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	573837	25.31	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10280.D
Acq On : 9 May 2007 9:05 pm
Operator : danat
Sample : IC533-20 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:25:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:23:49 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64555

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10281.D
Acq On : 9 May 2007 9:52 pm
Operator : danat
Sample : ICc533-10 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:23:23 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 09 17:38:43 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	412358	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1821050	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.67	117	1621470	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	525842	5.13	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 102.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1335034	9.08	PPBV	99
3) PROPYLENE	3.99	41	185611	9.31	PPBV	97
4) FREON 114	4.32	85	1104094	8.84	PPBV	100
5) CHLOROMETHANE	4.23	50	249129	8.69	PPBV	97
6) VINYL CHLORIDE	4.45	62	320310	8.89	PPBV #	89
7) 1,3-BUTADIENE	4.58	39	212715	9.09	PPBV	100
8) BROMOMETHANE	4.86	94	378088	8.86	PPBV	100
9) CHLOROETHANE	5.03	64	144488	8.85	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	1311549	9.02	PPBV	99
11) ISOPROPYL ALCOHOL	5.92	45	322164	9.12	PPBV	97
12) ACETONE	5.66	43	335368	8.76	PPBV	99
13) PENTANE	6.14	42	244642	9.20	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	372254	9.11	PPBV	99
15) CARBON DISULFIDE	6.85	76	1011086	8.74	PPBV	99
16) ETHANOL	5.21	45	51209	10.38	PPBV	75
17) BROMOETHENE	5.38	106	378606	9.00	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	318607	8.17	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219616	8.54	PPBV	99
20) FREON 113	6.79	151	796267	8.81	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	340162	8.61	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.53	59	451125	9.09	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	653883	9.01	PPBV	99
24) TETRAHYDROFURAN	9.18	42	186932	8.98	PPBV	98
25) HEXANE	8.63	57	341232	8.84	PPBV	98
26) VINYL ACETATE	7.80	43	393252	8.94	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	533713	8.80	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	365150	8.93	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	320213	8.58	PPBV	99
30) ETHYL ACETATE	8.69	43	407296	8.95	PPBV	100
31) CHLOROFORM	8.74	83	769763	8.75	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	904749	8.63	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1191513	8.88	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	423903	8.57	PPBV	100
36) BENZENE	10.12	78	755065	8.40	PPBV	99
37) CYCLOHEXANE	10.37	84	389500	8.84	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	418019	8.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	243106	8.40	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	738122	8.49	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1245861	8.95	PPBV	99
42) 1,4-DIOXANE	11.17	88	137760	8.54	PPBV	95
43) HEPTANE	11.36	43	357154	8.77	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10281.D
Acq On : 9 May 2007 9:52 pm
Operator : danat
Sample : ICc533-10 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:23:23 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 09 17:38:43 2007
Response via : Initial Calibration

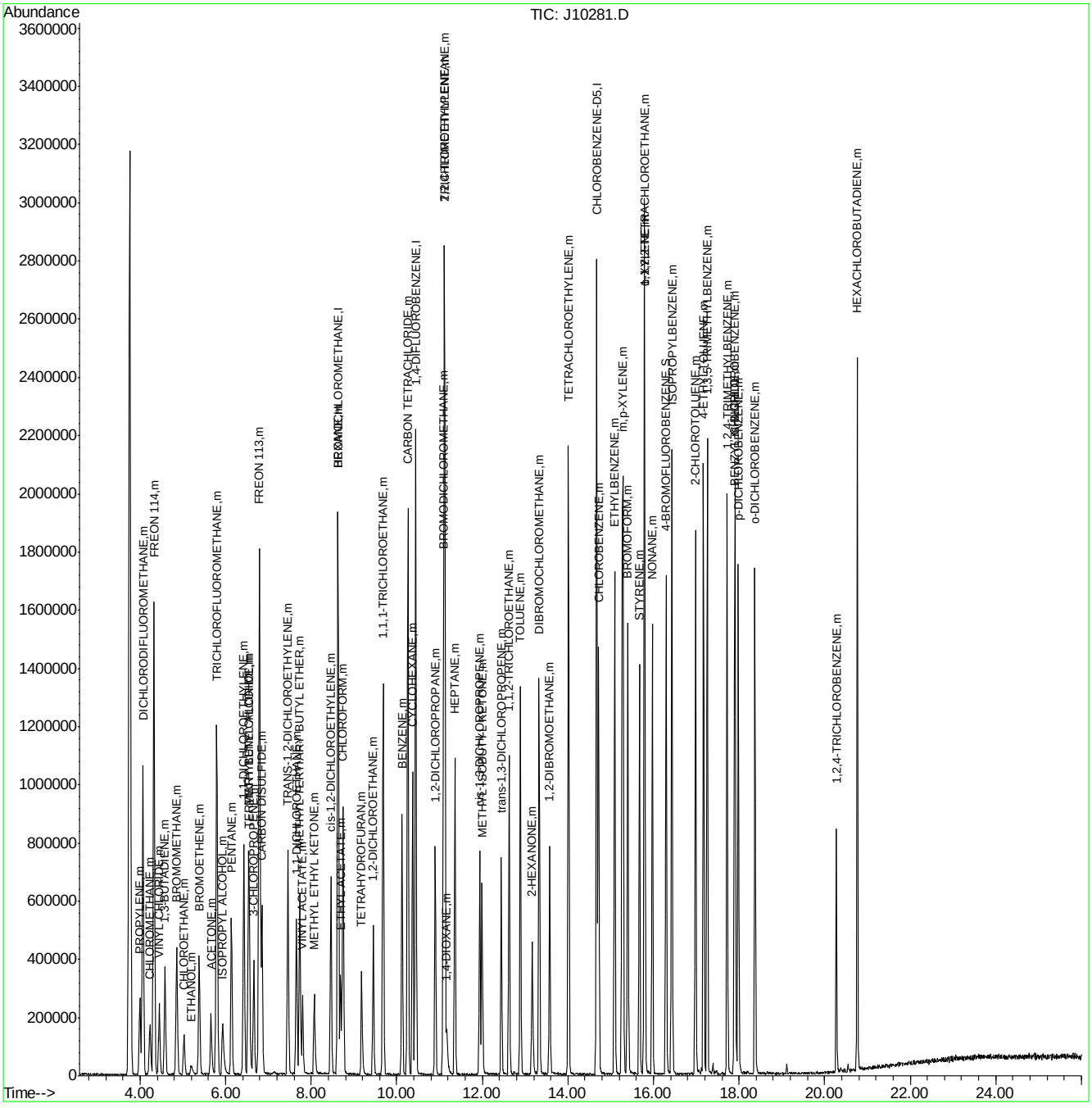
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	425071	8.67	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.94	75	385895	8.76	PPBV	100
46) TOLUENE	12.89	92	542169	8.61	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	371618	8.76	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	273074	8.42	PPBV	98
50) 2-HEXANONE	13.16	43	350058	8.42	PPBV	100
51) TETRACHLOROETHYLENE	14.01	164	487777	8.31	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	771223	8.59	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	521511	8.51	PPBV	100
54) CHLOROBENZENE	14.72	112	797302	8.58	PPBV	99
55) ETHYLBENZENE	15.09	91	1215370	8.87	PPBV	100
56) m,p-XYLENE	15.29	106	1021055	17.90	PPBV	94
57) o-XYLENE	15.79	106	512115	8.99	PPBV	99
58) STYRENE	15.67	104	670103	9.09	PPBV	99
59) NONANE	15.97	43	481225	9.03	PPBV	99
60) BROMOFORM	15.40	173	816576	8.47	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	701321	8.41	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1468071	8.91	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	967207	8.90	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1266694	8.82	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1168837	8.75	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1030474	8.66	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	755613	8.19	PPBV	99
69) BENZYL CHLORIDE	17.89	91	611993	8.55	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	714462	8.36	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	669831	8.13	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	414611	5.84	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	219261	7.02	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10281.D
Acq On : 9 May 2007 9:52 pm
Operator : danat
Sample : ICc533-10 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:23:23 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 09 17:38:43 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64555

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10282.D
Acq On : 9 May 2007 10:40 pm
Operator : danat
Sample : IC533-5 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:28:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:26:43 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	366773	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1563527	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1351983	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	381322	4.17	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 83.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	659515	5.60	PPBV	100
3) PROPYLENE	4.00	41	83889	5.06	PPBV	89
4) FREON 114	4.33	85	503560	5.04	PPBV	98
5) CHLOROMETHANE	4.24	50	119629	5.32	PPBV	99
6) VINYL CHLORIDE	4.45	62	141719	4.93	PPBV	97
7) 1,3-BUTADIENE	4.58	39	94862	4.77	PPBV	97
8) BROMOMETHANE	4.86	94	173852	5.04	PPBV	98
9) CHLOROETHANE	5.03	64	61935	4.65	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.80	101	596208	5.02	PPBV	99
11) ISOPROPYL ALCOHOL	5.93	45	124059	4.00	PPBV	97
12) ACETONE	5.66	43	145315	4.51	PPBV	98
13) PENTANE	6.14	42	108338	4.92	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	158133	4.64	PPBV	97
15) CARBON DISULFIDE	6.85	76	467845	5.12	PPBV	100
16) ETHANOL	5.20	45	20144	3.97	PPBV	77
17) BROMOETHENE	5.39	106	163524	4.64	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	144762	4.89	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	91378	4.19	PPBV	99
20) FREON 113	6.79	151	365624	4.97	PPBV	100
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	148077	4.59	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.53	59	185663	4.16	PPBV	98
23) METHYL TERTIARY BUTYL ETHE	7.73	73	275497	4.29	PPBV	99
24) TETRAHYDROFURAN	9.18	42	73632	3.91	PPBV	97
25) HEXANE	8.63	57	148311	4.63	PPBV	96
26) VINYL ACETATE	7.80	43	159621	4.00	PPBV	97
27) 1,1-DICHLOROETHANE	7.65	63	230505	4.57	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	151968	4.26	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	134707	4.36	PPBV	99
30) ETHYL ACETATE	8.69	43	165297	4.17	PPBV	99
31) CHLOROFORM	8.74	83	337126	4.62	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	389206	4.43	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	538078	4.82	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	182824	4.33	PPBV	99
36) BENZENE	10.12	78	304284	4.16	PPBV	99
37) CYCLOHEXANE	10.37	84	165185	4.64	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	183986	4.67	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	102207	4.34	PPBV	97
40) BROMODICHLOROMETHANE	11.08	83	319064	4.57	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	494974	4.28	PPBV	97
42) 1,4-DIOXANE	11.18	88	47550	3.44	PPBV	90
43) HEPTANE	11.36	43	143860	4.21	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10282.D
Acq On : 9 May 2007 10:40 pm
Operator : danat
Sample : IC533-5 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:28:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:26:43 2007
Response via : Initial Calibration

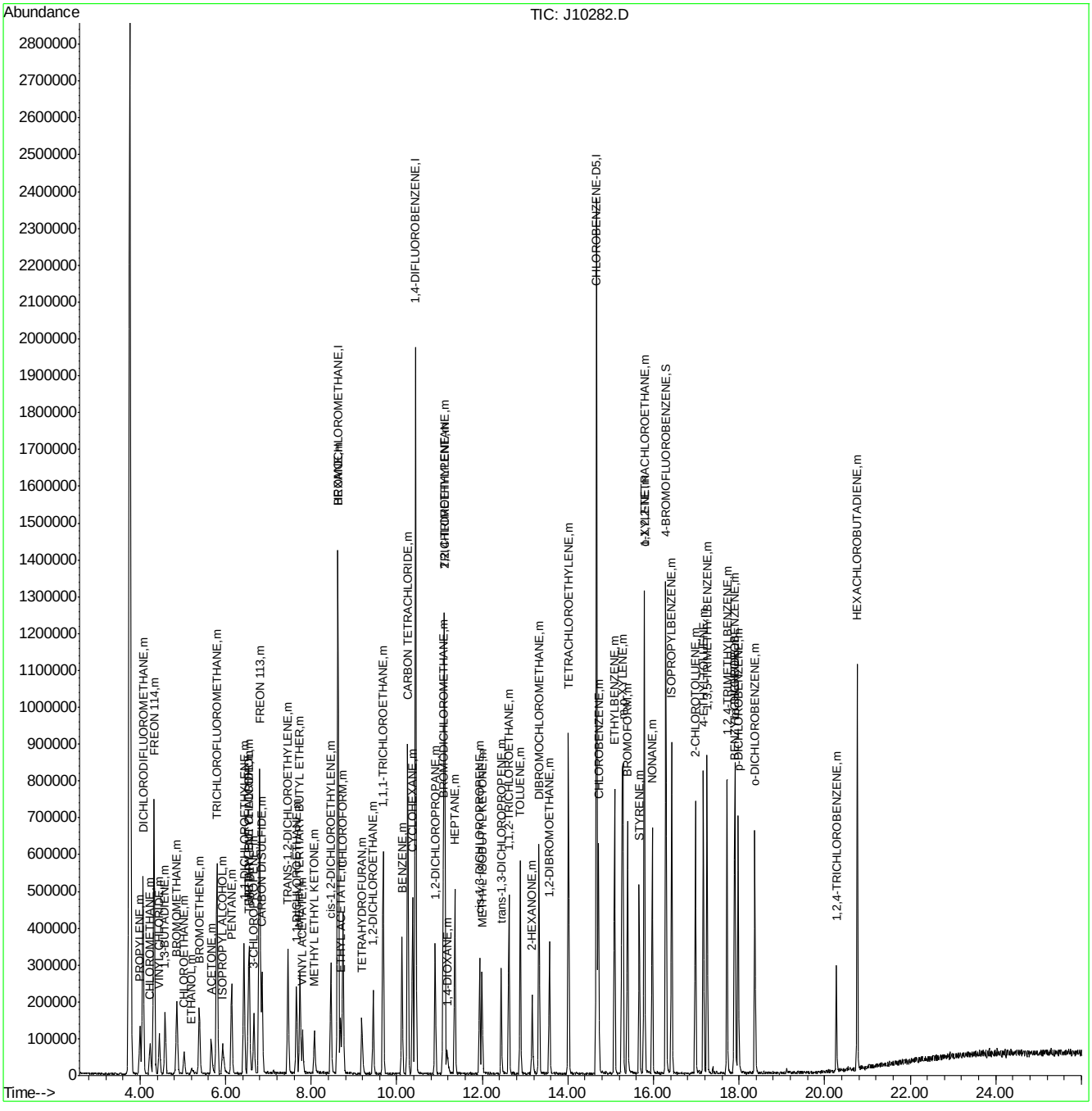
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	163941	3.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	147966	3.80	PPBV	97
46) TOLUENE	12.88	92	213818	3.93	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.44	75	138222	3.61	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	83	115078	4.36	PPBV	98
50) 2-HEXANONE	13.16	43	133852	3.89	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	204474	4.42	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	331347	4.68	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	212135	4.30	PPBV	99
54) CHLOROBENZENE	14.72	112	333880	4.51	PPBV	99
55) ETHYLBENZENE	15.09	91	480853	4.18	PPBV	99
56) m,p-XYLENE	15.27	106	406843	8.53	PPBV	97
57) o-XYLENE	15.78	106	203652	4.22	PPBV	99
58) STYRENE	15.66	104	228166	3.39	PPBV	99
59) NONANE	15.97	43	186332	4.18	PPBV	100
60) BROMOFORM	15.39	173	330866	4.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	289837	4.42	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	561060	4.02	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	354631	3.75	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	458887	3.63	PPBV #	45
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	427329	3.74	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	377565	3.58	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	307821	3.98	PPBV	99
69) BENZYL CHLORIDE	17.89	91	224322	3.47	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	290086	3.99	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	259799	3.77	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	180506	4.47	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	80284	3.48	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10282.D
Acq On : 9 May 2007 10:40 pm
Operator : danat
Sample : IC533-5 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:28:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:26:43 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64555

J10283.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 05/11/07 16:35

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10283.D
Acq On : 9 May 2007 11:27 pm
Operator : danat
Sample : IC533-2 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:30:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:28:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	364997	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1696449	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1441208	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	390695	4.19	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 83.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	265326	2.20	PPBV	99
3) PROPYLENE	3.99	41	27646	1.67	PPBV #	77
4) FREON 114	4.32	85	242119	2.43	PPBV	99
5) CHLOROMETHANE	4.23	50	53357	2.35	PPBV	94
6) VINYL CHLORIDE	4.44	62	59590	2.09	PPBV #	51
7) 1,3-BUTADIENE	4.59	39	38962	1.99	PPBV	96
8) BROMOMETHANE	4.86	94	79695	2.32	PPBV	99
9) CHLOROETHANE	5.03	64	23246	1.78	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	285851	2.42	PPBV	98
11) ISOPROPYL ALCOHOL	5.95	45	36541	1.25	PPBV	82
12) ACETONE	5.67	43	62104	1.99	PPBV	66
13) PENTANE	6.14	42	49414	2.26	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.42	96	68145	2.05	PPBV	96
15) CARBON DISULFIDE	6.85	76	212409	2.32	PPBV	95
16) ETHANOL	5.22	45	8373m	1.75	PPBV	
17) BROMOETHENE	5.38	106	69624	2.02	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	62738	2.14	PPBV	96
19) 3-CHLOROPROPENE	6.67	39	38776	1.86	PPBV	93
20) FREON 113	6.80	151	163182	2.23	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	62673	1.99	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.56	59	63841	1.50	PPBV	96
23) METHYL TERTIARY BUTYL ETHE	7.74	73	112307	1.82	PPBV	98
24) TETRAHYDROFURAN	9.20	42	27340	1.54	PPBV	89
25) HEXANE	8.63	57	64000	2.05	PPBV	92
26) VINYL ACETATE	7.81	43	59142	1.57	PPBV	95
27) 1,1-DICHLOROETHANE	7.65	63	103936	2.12	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	64492	1.89	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	61795	2.07	PPBV	99
30) ETHYL ACETATE	8.70	43	70793	1.87	PPBV #	98
31) CHLOROFORM	8.74	83	157428	2.21	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	173991	2.05	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	231505	2.10	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	86021	2.12	PPBV	100
36) BENZENE	10.12	78	131797	1.73	PPBV	98
37) CYCLOHEXANE	10.37	84	65341	1.72	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	87630	2.08	PPBV	100
39) 1,2-DICHLOROPROPANE	10.90	63	44533	1.80	PPBV	90
40) BROMODICHLOROMETHANE	11.08	83	152058	2.05	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	192800	1.59	PPBV	95
42) 1,4-DIOXANE	11.20	88	13702m	0.99	PPBV	
43) HEPTANE	11.36	43	60293	1.69	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10283.D
Acq On : 9 May 2007 11:27 pm
Operator : danat
Sample : IC533-2 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:30:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:28:13 2007
Response via : Initial Calibration

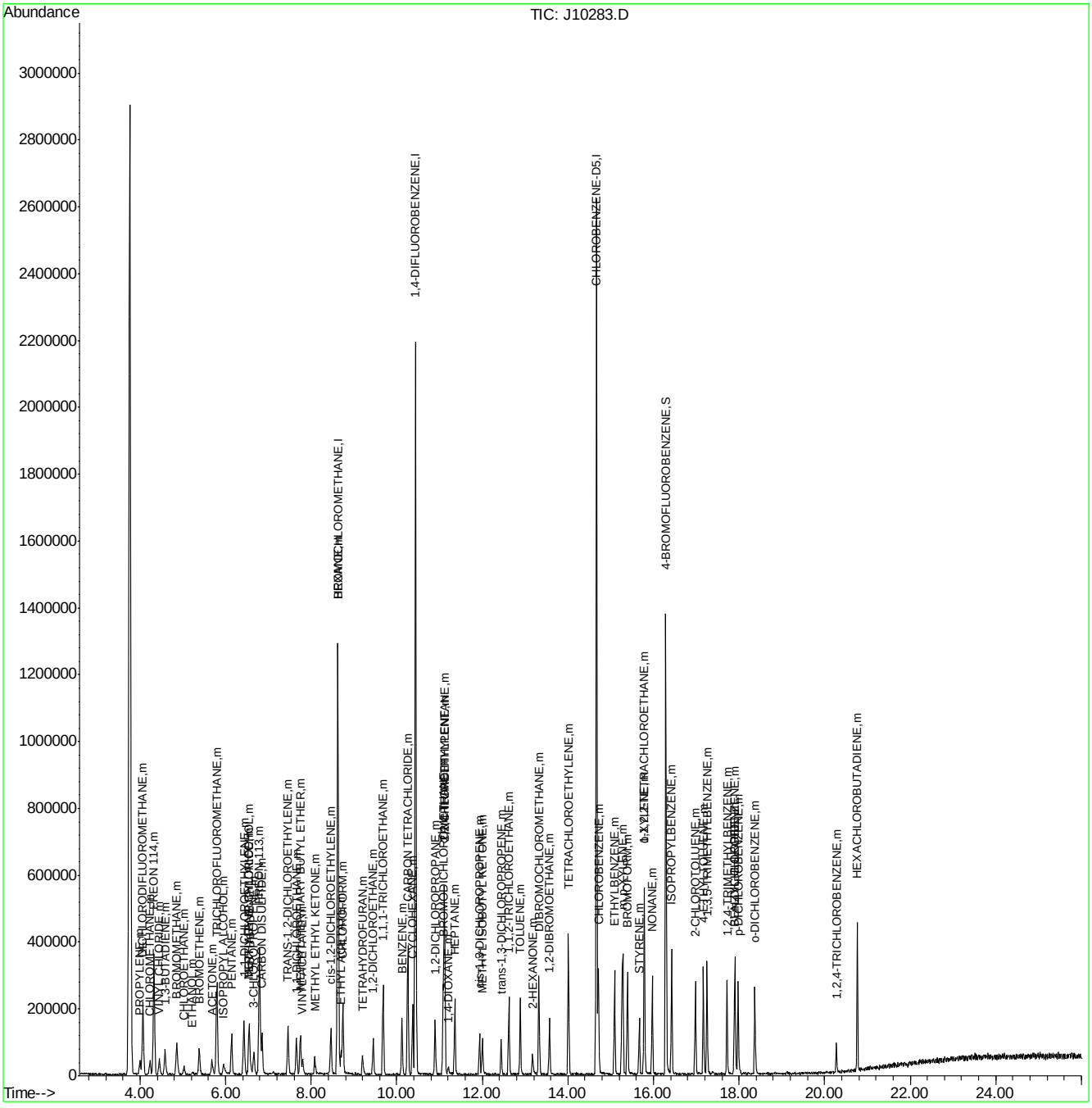
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	61589	1.42	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.93	75	57253	1.44	PPBV	97
46) TOLUENE	12.89	92	83319	1.49	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.44	75	53056	1.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	52926	1.91	PPBV	96
50) 2-HEXANONE	13.18	43	42072	1.22	PPBV	92
51) TETRACHLOROETHYLENE	14.01	164	92176	1.93	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	156054	2.10	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	94616	1.86	PPBV	99
54) CHLOROBENZENE	14.72	112	158458	2.06	PPBV	98
55) ETHYLBENZENE	15.09	91	177378	1.51	PPBV	99
56) m,p-XYLENE	15.28	106	158064m	3.23	PPBV	
57) o-XYLENE	15.78	106	76083	1.54	PPBV	96
58) STYRENE	15.67	104	73413	1.11	PPBV	98
59) NONANE	15.97	43	72444	1.59	PPBV	99
60) BROMOFORM	15.39	173	150352	1.90	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	125824	1.85	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	213050	1.51	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	131457	1.39	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	162932	1.30	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	158041	1.38	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	129200	1.24	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	130244	1.66	PPBV	97
69) BENZYL CHLORIDE	17.89	91	72946	1.15	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	110415	1.50	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	105939	1.54	PPBV	97
72) HEXACHLOROBUTADIENE	20.76	225	74693	1.78	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.27	180	25976	1.14	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10283.D
Acq On : 9 May 2007 11:27 pm
Operator : danat
Sample : IC533-2 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:30:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:28:13 2007
Response via : Initial Calibration

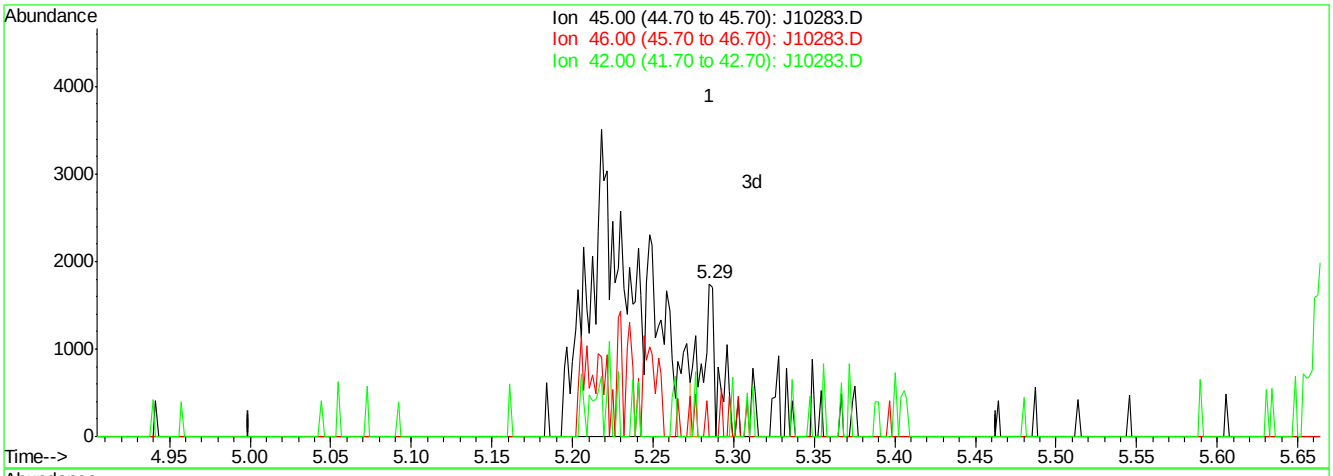


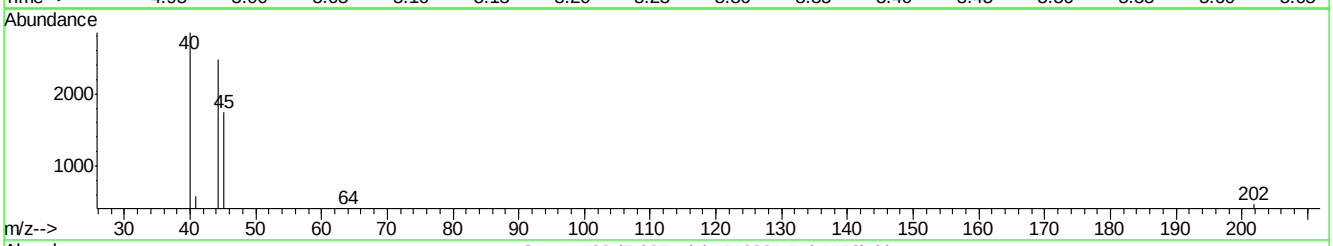
Quantitation Report (Qedit)

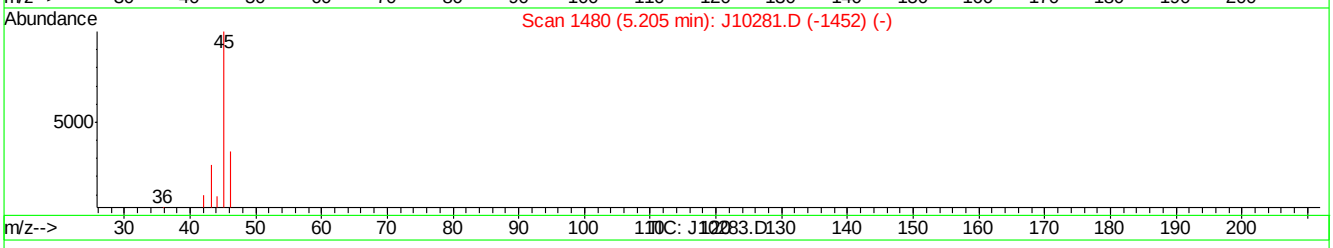
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.29min 0.27PPBV

response 1281

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	14.99
42.00	2.30	6.17
0.00	0.00	0.00

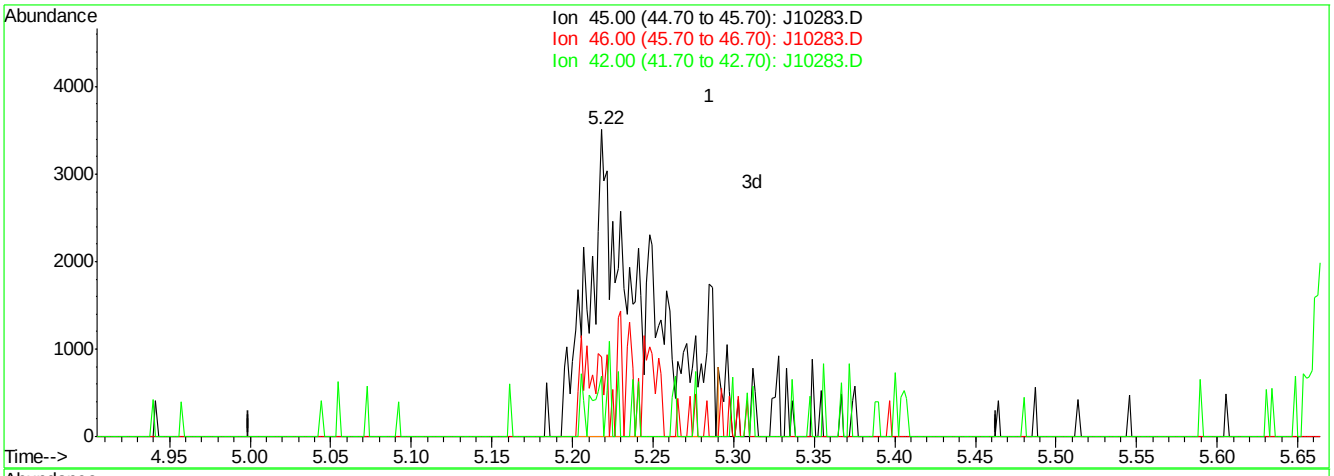
J10283.D J050907T.M Thu May 10 08:29:19 2007

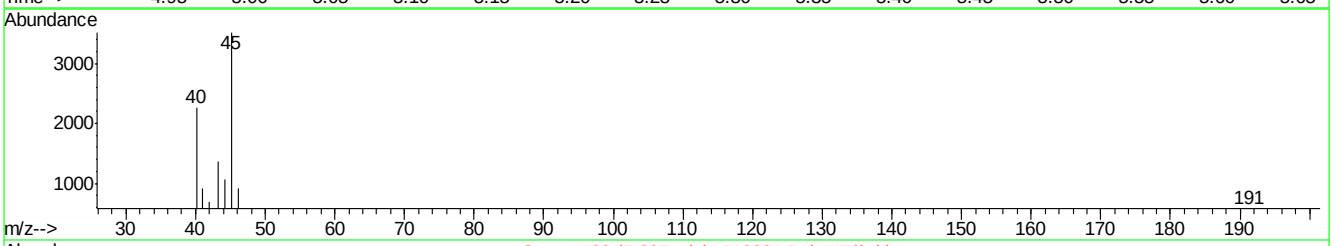
Quantitation Report (Qedit)

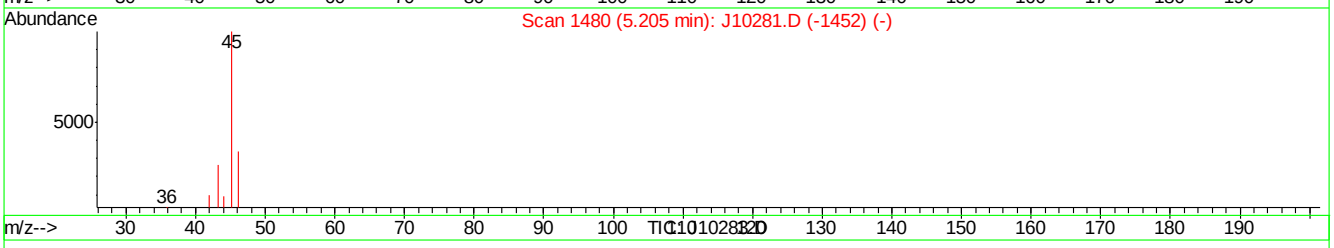
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.22min 1.75PPBV m

response 8373

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	2.29
42.00	2.30	0.94
0.00	0.00	0.00

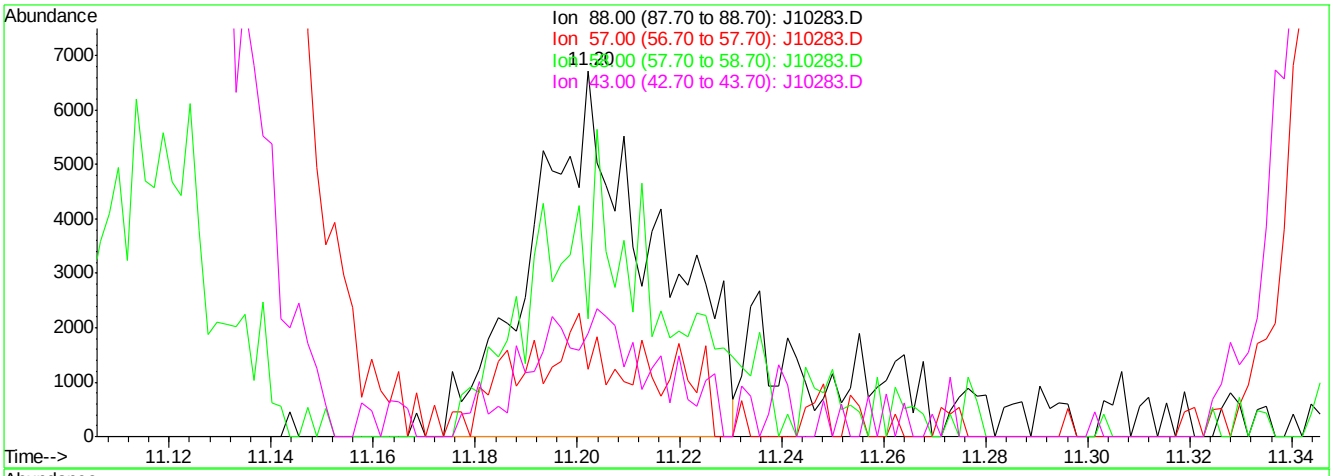
J10283.D J050907T.M Thu May 10 08:29:28 2007

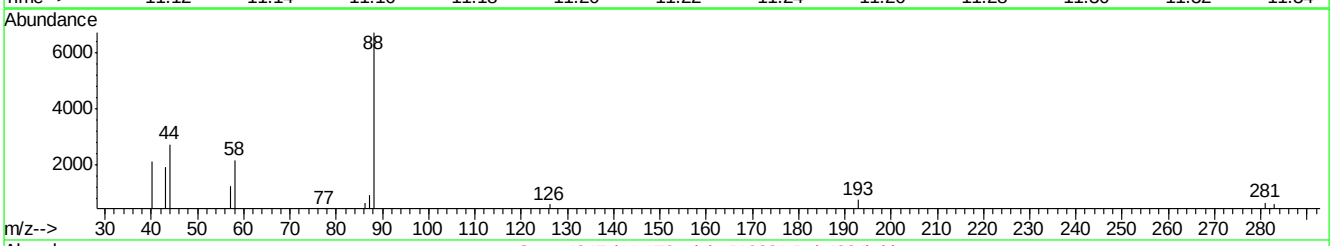
Quantitation Report (Qedit)

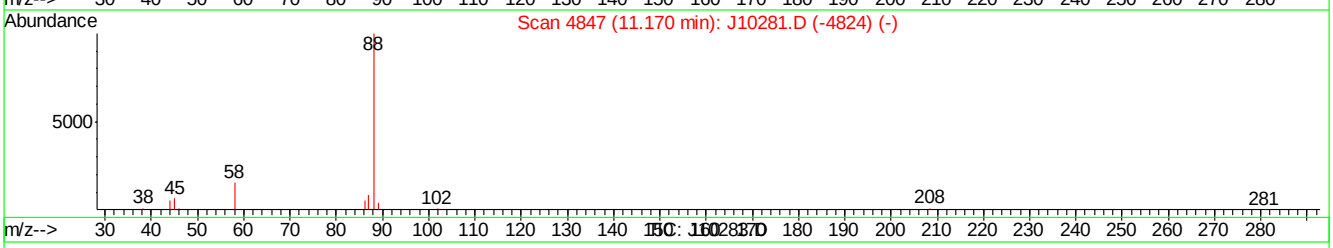
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.20min 0.80PPBV

response 11007

Ion	Exp%	Act%
88.00	100	100
57.00	26.70	18.48
58.00	51.70	32.19
43.00	24.80	28.34

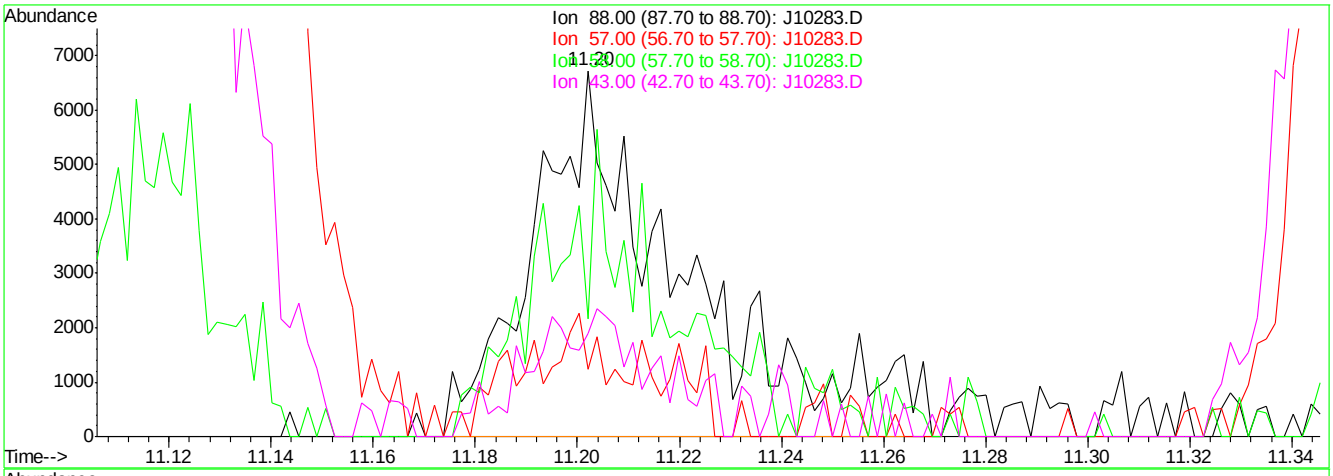
J10283.D J050907T.M Thu May 10 08:29:58 2007

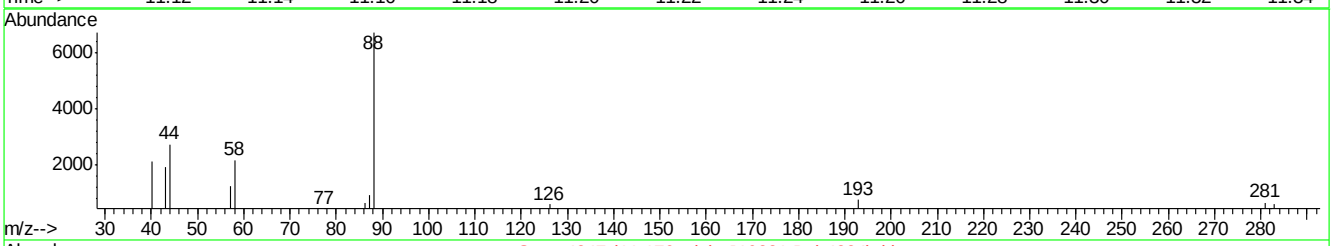
Quantitation Report (Qedit)

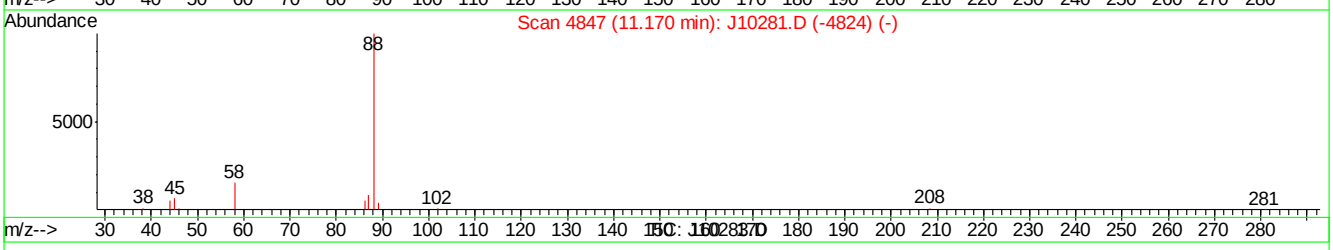
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.20min 0.99PPBV m

response 13702

Ion	Exp%	Act%
88.00	100	100
57.00	26.70	18.48
58.00	51.70	32.19
43.00	24.80	28.34

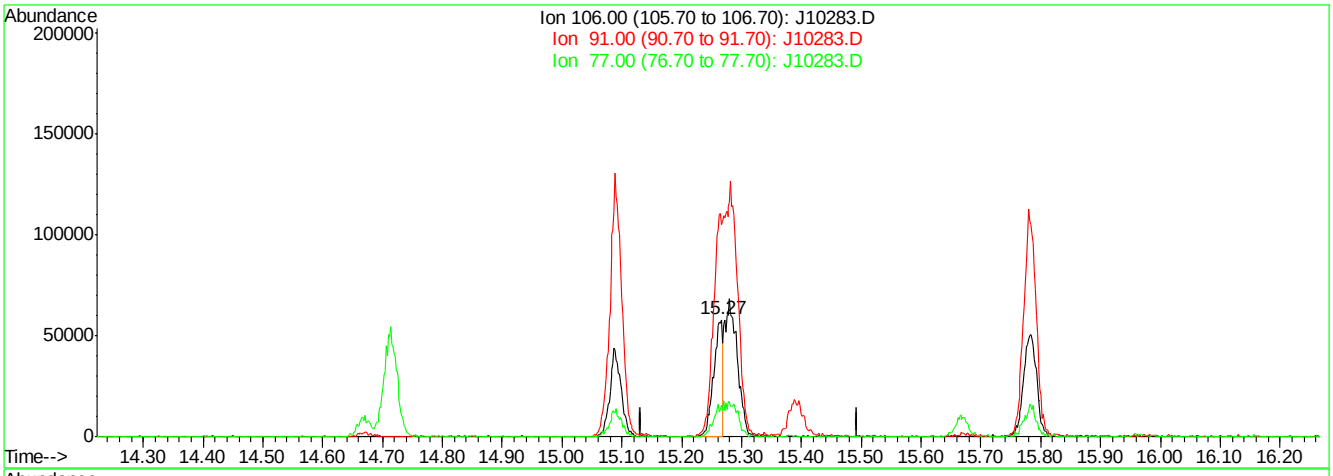
J10283.D J050907T.M Thu May 10 08:30:04 2007

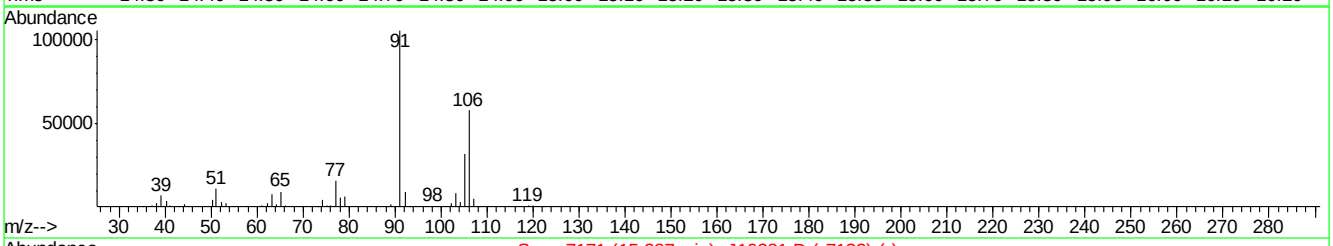
Quantitation Report (Qedit)

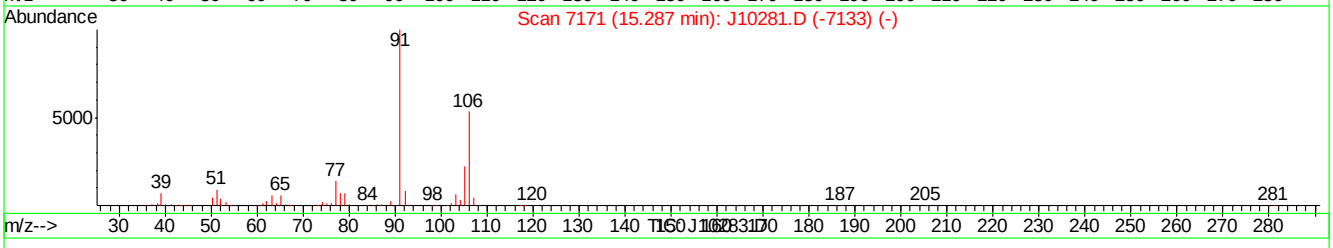
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.27min 1.17PPBV

response 57465

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	182.02
77.00	26.20	27.08
0.00	0.00	0.00

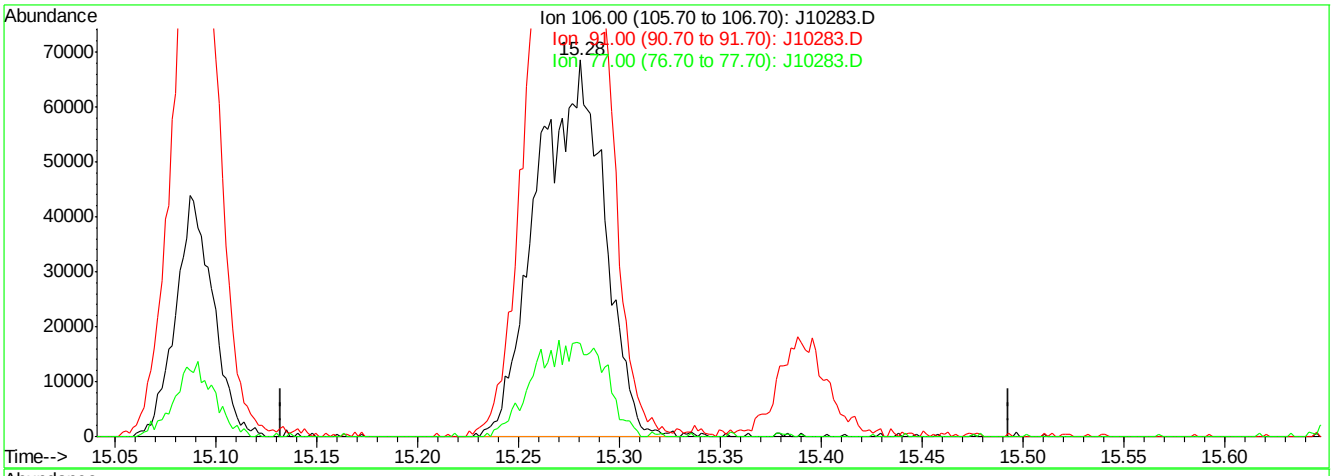
J10283.D J050907T.M Thu May 10 08:30:21 2007

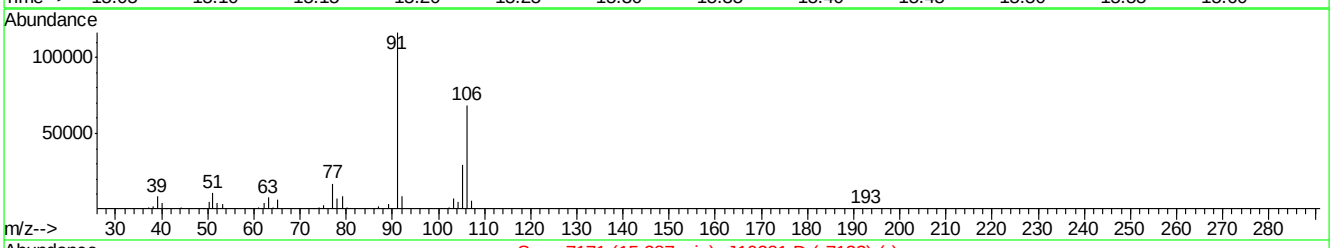
Quantitation Report (Qedit)

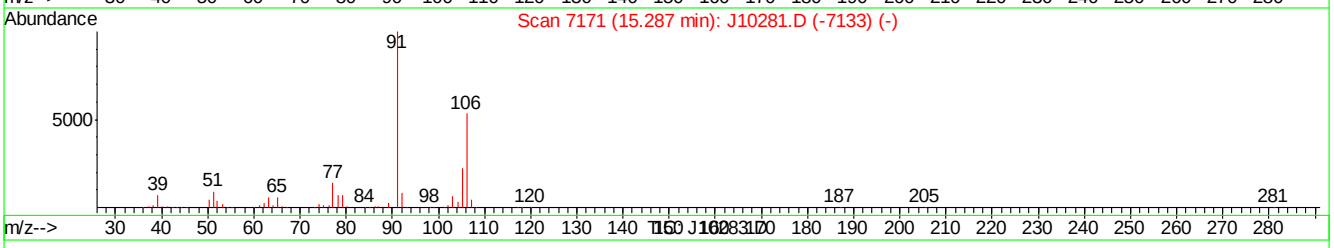
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 3.23PPBV m

response 158064

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	169.79
77.00	26.20	24.82
0.00	0.00	0.00

J10283.D J050907T.M Thu May 10 08:30:26 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286A.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	413189	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1835396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1640141	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	531829	5.53	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 110.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1305850	8.99	PPBV	100
3) PROPYLENE	3.99	41	178641	10.76	PPBV #	87
4) FREON 114	4.32	85	1056037	8.62	PPBV	99
5) CHLOROMETHANE	4.23	50	247208	9.17	PPBV	97
6) VINYL CHLORIDE	4.45	62	301533	8.91	PPBV	100
7) 1,3-BUTADIENE	4.58	39	204602	10.02	PPBV	97
8) BROMOMETHANE	4.85	94	360144	8.79	PPBV	99
9) CHLOROETHANE	5.03	64	140741	10.21	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1263256	8.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	301406	9.67	PPBV	97
12) ACETONE	5.65	43	283156	7.72	PPBV	99
13) PENTANE	6.13	42	238500	9.59	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	321653	8.69	PPBV	96
15) CARBON DISULFIDE	6.85	76	924747	8.26	PPBV	99
16) ETHANOL	5.20	45	49752	10.19	PPBV	96
17) BROMOETHENE	5.38	106	346747	9.30	PPBV	100
18) METHYLENE CHLORIDE	6.54	84	285766	7.73	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219659	9.18	PPBV	96
20) FREON 113	6.79	151	717493	7.93	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	317265	8.82	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.52	59	409671	9.61	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	534027	8.16	PPBV	98
24) TETRAHYDROFURAN	9.17	42	153701	8.55	PPBV	98
25) HEXANE	8.63	57	300535	7.52	PPBV	97
26) VINYL ACETATE	7.80	43	322349	8.07	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	492394	8.46	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	304589	8.22	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	285978	8.56	PPBV	97
30) ETHYL ACETATE	8.68	43	324353	7.81	PPBV	99
31) CHLOROFORM	8.74	83	712177	8.31	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	854284	8.59	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1127397	8.62	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	382396	8.09	PPBV	100
36) BENZENE	10.12	78	669804	8.55	PPBV	100
37) CYCLOHEXANE	10.37	84	353671	9.72	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	389434	8.76	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	214272	8.13	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	655320	7.76	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1187978	10.49	PPBV	98
42) 1,4-DIOXANE	11.16	88	122751	8.14	PPBV	95
43) HEPTANE	11.36	43	323287	9.70	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286A.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

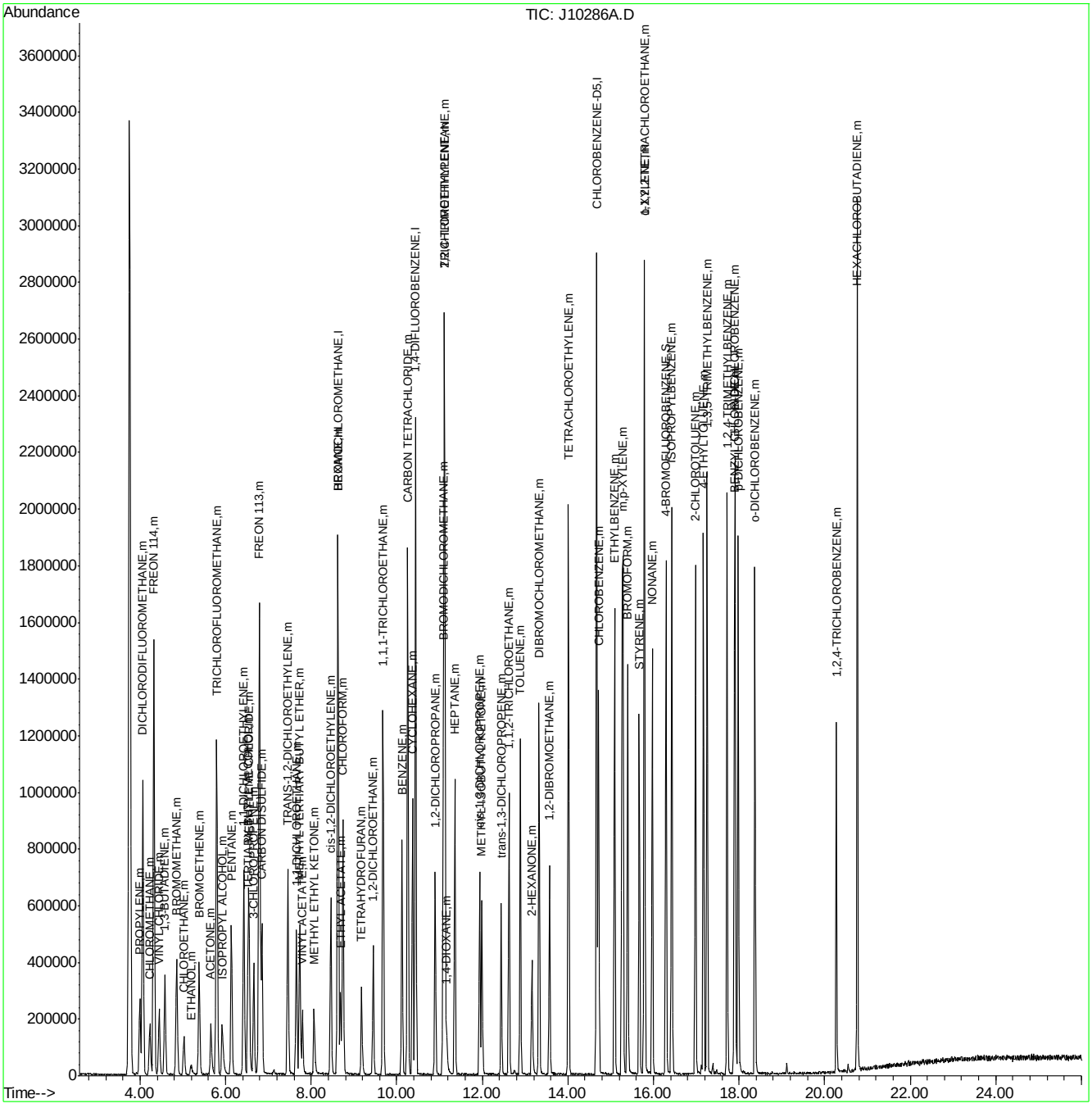
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	366654	8.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	349534	9.62	PPBV	98
46) TOLUENE	12.89	92	462783	9.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	290402	7.07	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	240426	8.02	PPBV	99
50) 2-HEXANONE	13.15	43	285755	7.38	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	445675	8.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	679264	7.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	465149	8.46	PPBV	99
54) CHLOROBENZENE	14.71	112	714978	8.20	PPBV	98
55) ETHYLBENZENE	15.09	91	1072352	9.61	PPBV	99
56) m,p-XYLENE	15.28	106	907029	15.87	PPBV	100
57) o-XYLENE	15.78	106	461835	7.99	PPBV	100
58) STYRENE	15.67	104	610702	8.04	PPBV	100
59) NONANE	15.97	43	458405	9.71	PPBV	99
60) BROMOFORM	15.40	173	731566	8.07	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	671390	8.73	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1349019	9.29	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	917142	9.59	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1113566	7.77	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	1099713	9.63	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	998081	8.26	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	797605	9.78	PPBV	99
69) BENZYL CHLORIDE	17.89	91	637252	9.90	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	749201	10.05	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	706204	9.72	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	520415	11.87	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	330262	13.97	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286A.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10286.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : ICV533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	413189	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1835396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1640141	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	531829	5.53	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 110.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1305850	8.99	PPBV	100
3) PROPYLENE	3.99	41	178641	10.76	PPBV #	87
4) FREON 114	4.32	85	1056037	8.62	PPBV	99
5) CHLOROMETHANE	4.23	50	247208	9.17	PPBV	97
6) VINYL CHLORIDE	4.45	62	301533	8.91	PPBV	100
7) 1,3-BUTADIENE	4.58	39	204602	10.02	PPBV	97
8) BROMOMETHANE	4.85	94	360144	8.79	PPBV	99
9) CHLOROETHANE	5.03	64	140741	10.21	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1263256	8.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	301406	9.67	PPBV	97
12) ACETONE	5.65	43	283156	7.72	PPBV	99
13) PENTANE	6.13	42	238500	9.59	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	321653	8.69	PPBV	96
15) CARBON DISULFIDE	6.85	76	924747	8.26	PPBV	99
16) ETHANOL	5.20	45	49752	10.19	PPBV	96
17) BROMOETHENE	5.38	106	346747	9.30	PPBV	100
18) METHYLENE CHLORIDE	6.54	84	285766	7.73	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219659	9.18	PPBV	96
20) FREON 113	6.79	151	717493	7.93	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	317265	8.82	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.52	59	409671	9.61	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	534027	8.16	PPBV	98
24) TETRAHYDROFURAN	9.17	42	153701	8.55	PPBV	98
25) HEXANE	8.63	57	300535	7.52	PPBV	97
26) VINYL ACETATE	7.80	43	322349	8.07	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	492394	8.46	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	304589	8.22	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	285978	8.56	PPBV	97
30) ETHYL ACETATE	8.68	43	324353	7.81	PPBV	99
31) CHLOROFORM	8.74	83	712177	8.31	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	854284	8.59	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1127397	8.62	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	382396	8.09	PPBV	100
36) BENZENE	10.12	78	669804	8.55	PPBV	100
37) CYCLOHEXANE	10.37	84	353671	9.72	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	389434	8.76	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	214272	8.13	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	655320	7.76	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1187978	10.49	PPBV	98
42) 1,4-DIOXANE	11.16	88	122751	8.14	PPBV	95
43) HEPTANE	11.36	43	323287	9.70	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10286.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : ICV533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

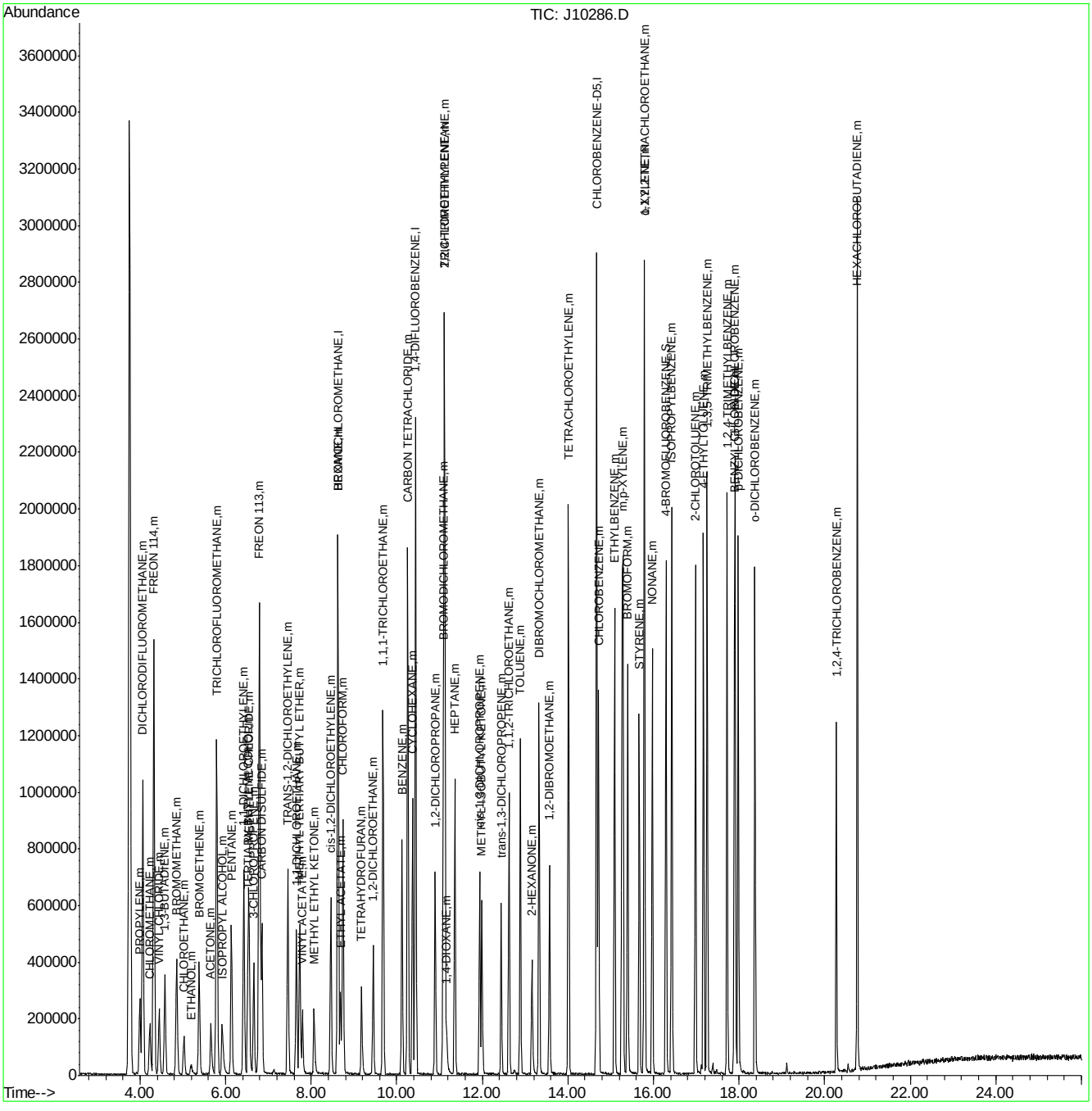
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	366654	8.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	349534	9.62	PPBV	98
46) TOLUENE	12.89	92	462783	9.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	290402	7.07	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	240426	8.02	PPBV	99
50) 2-HEXANONE	13.15	43	285755	7.38	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	445675	8.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	679264	7.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	465149	8.46	PPBV	99
54) CHLOROBENZENE	14.71	112	714978	8.20	PPBV	98
55) ETHYLBENZENE	15.09	91	1072352	9.61	PPBV	99
56) m,p-XYLENE	15.28	106	907029	15.87	PPBV	100
57) o-XYLENE	15.78	106	461835	7.99	PPBV	100
58) STYRENE	15.67	104	610702	8.04	PPBV	100
59) NONANE	15.97	43	458405	9.71	PPBV	99
60) BROMOFORM	15.40	173	731566	8.07	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	671390	8.73	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1349019	9.29	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	917142	9.59	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1113566	7.77	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	1099713	9.63	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	998081	8.26	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	797605	9.78	PPBV	99
69) BENZYL CHLORIDE	17.89	91	637252	9.90	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	749201	10.05	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	706204	9.72	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	520415	11.87	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	330262	13.97	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10286.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : ICV533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64555

ACCUTEST Laboratories M64555

Standard Lot #	
Calib STD 1	MSA304
Calib STD 2	MSA308
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	J9928.D
Tune File 2	NA
Initial Cal.	4-5-07
ID FILE	J040507T.M
Instrument ID	J
ICAL:	J9935.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-6-07

Date:	4/5/2007
Analyst:	PHILIPB
Batch ID:	MSJ513
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	4/6/2007 12:02:40 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J9927	CC512-10	M119	MSA307	VTO15STD	4		1	NA	Failed
J9928	ICC513-10	M014	MSA304	VTO15STD	2		1	NA	O.K.; BFB
J9929	IC513-40	M014	MSA304	VTO15STD	2		1	NA	O.K.
J9930	IC513-20	M014	MSA304	VTO15STD	2		1	NA	O.K.
J9931	IC513-5	M014	MSA304	VTO15STD	2		1	NA	O.K.
J9932	IC513-2	M024	MSA308	VTO15STD	3		1	NA	O.K.
J9933	IC513-.5	M024	MSA308	VTO15STD	3		1	NA	O.K.
J9934	IC513-.2	M024	MSA308	VTO15STD	3		1	NA	O.K.
J9935	ICV513-10	MS119	MSA307	VTO15STD	4		1	NA	O.K.

ACCUTEST Laboratories M64555

Standard Lot #	
Calib STD 1	MSA304
Calib STD 2	MSA308
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	J9999.D
Tune File 2	NA
Initial Cal.	4-5-07
ID FILE	J040507T.
Instrument ID	J
ICAL:	J9935.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-12-07

Date:	4/11/2007
Analyst:	PHILIPB
Batch ID:	MSJ517
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	4/12/2007 5:38:11 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J9997	BLK	NA	NA	VTO15STD	1		1	NA	DRY RUN
J9998	CC513-10	M119	MSA307	VTO15STD	1		1	NA	Can not attached/leaking; re-run
J9999	CC513-10	M119	MSA307	VTO15STD	1		1	NA	O.K.; BFB
J9999A	BS	M119	MSA307	VTO15STD	1		1	NA	O.K.
J10000	BLK	M125	MS13358	VTO15STD	2		1	NA	ISTD#1 Low
J10001	MB	M125	MS13358	VTO15STD	2		1	NA	O.K.
J10002	M63914-4	M141	MS13358	VTO15STD	3		2	MC008	O.K.
J10003	M63914-4DUP	M141	MS13358	VTO15STD	3		2	MC008	O.K.
J10004	M63914-5	M069	MS13358	VTO15STD	4		2	MC049	Re-run straight
J10005	M63915-1	M153	MS13358	VTO15STD	5		1	MC032	O.K.
J10006	M63914-2	D030	MS13352	VTO15STD	6		100	MC030	Report with J9980.D
J10007	M63914-3	D029	MS13352	VTO15STD	7		100	MC094	Report with J9981.D
J10008	M63693-2R	M059	MS13358	VTO15STD	8		1	MC063	O.K.
J10009	M63694-1R	M148	MS13358	VTO15STD	9		1	MC064	O.K.
J10010	M63695-1R	M086	MS13358	VTO15STD	10		1	MC090	O.K.
J10011	M63585-2R	M045	MS13358	VTO15STD	11		1	MC082	O.K.
J10012	M63914-5	M069	MS13358	VTO15STD	4		1	MC049	O.K.
J10013	BLK	M058	MS13358	VTO15STD	12		1	NA	O.K.
J10014	BLK	M094	MS13358	VTO15STD	13		1	NA	O.K.
J10015	BLK	M058	MS13358	VTO15STD	14		1	NA	O.K.
J10016	BLK	M066	MS13358	VTO15STD	15		1	NA	O.K.
J10017	BLK	M078	MS13358	VTO15STD	16		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA332
Calib STD 2	MSA333
ICV	MSA335
Inter/Surr STD	MSA218
BS/BSD	MSA335

File ID	
Tune File 1	J10277
Tune File 2	J10286A
Initial Cal.	5/9/07
ID FILE	J050907T.M
Instrument ID	J
ICAL:	J10286
Column Type:	RTX-1
Sequence Verified By:	DT 5/9/07

Date:	5/9/2007
Analyst:	DANAT
Batch ID:	msj533
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	5/15/2007 4:11:59 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10267	IC533-4		MSA273		1		1		
J10268	IC533-0.2		MSA333		2		1		
J10269	IC533-0.5		MSA333		2		1		missing compounds at reporting minimum.
J10270	IC533-2		MSA333		2		1		
J10271	IC530-40		MSA332		3		1		Raise em volts here and recalibrate.
J10272	IC533-20		MSA332		3		1		
J10273	ICC533-10		MSA332		3		1		
J10274	IC533-5		MSA332		3		1		
J10275	IC533-2		MSA333		2		1		
J10276	IC533-0.5		MSA333		2		1		Compounds still low , raise em volts and recalibrate.
J10277	IC533-0.2		MSA333		2		1		
J10278	IC533-0.5		MSA333		2		1		
J10279	IC533-40		MSA332		3		1		
J10280	IC533-20		MSA332		3		1		
J10281	ICC533-10		MSA332		3		1		
J10282	IC533-5		MSA332		3		1		
J10283	IC533-2		MSA333		2		1		
J10284	ICV533-10	m087	MSA334		4		1		compounds low , remake std.
J10285	ICV533-10	m105	MSA329		4		1		used old std with low volume , remake std.
J10286	ICV533-10	m054	MSA335		4		1		
J10286a	CC533-10	m054	MSA335		4		1		
J10286b	BS	m054	MSA335		4		1		
J10287	MB	m009			5		1		
J10288	MB	m009			5		1		
J10289	M64467-1	m126	MS13540	VTO15STD	6		1		
J10290	M64502-1	m018	MS13540	VTO15STD	7		1		
J10291	M64502-2	m194	MS13540	VTO15STD	8		100		Re-run , over calibration.
J10292	M64502-2	m194	MS13540	VTO15STD	8		1000		Re-run , over calibration.
J10293	M64467-1DUP	m126	MS13540	VTO15STD	6		1		
J10294	M64502-2	m200	MS13540	VTO15STD	8		5000		Re-make dilution , results not match original run.
J10295	M64555-1	m056	MS13540	VTO15STD	9		1		
J10296	M64555-2	m055	MS13540	VTO15STD	10		1		
J10297	M64644-1	m123	MS13540	VTO15STD	11		1		Re-run , over calibration.

J10298	M64644-2	m103	MS13540	VTO15STD	12		1		Re-run , over calibration.
J10299	M64644-3	m003	MS13540	VTO15STD	13		1		Re-run , over calibration.
J10300	M64242-1R	m099	MS13540	VTO15STD	14		1		
J10301	M64246-2R	m064	MS13540	VTO15STD	15		1		
J10302	M64247-1R	m048	MS13540	VTO15STD	16		1		
J10303	M64319-2R	m071	MS13540	VTO15STD	5		1		
J10304	SCC	m050			6		1		Re-run , internal std low.
J10305	SCC	m131			7		1		
J10306	SCC	m132			8		1		
J10307	SCC	m069			9		1		
J10308	SCC	m066			10		1		
J10309	SCC	m073			11		1		
J10310	SCC	m089			12		1		
J10311	SCC	m070			13		1		