New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/24/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Accutest Job Number: M63693R

Sampling Date: 03/26/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **206**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

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

Reza Tand
Lab Director

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

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Sample Summary

GEI Consultants, Inc.

Job No: M63693R

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M63693-2R	03/26/07	14:37	KAW	03/28/07	AIR	Air	045162-82 FRANK-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M63693R
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	4/24/2007 11:51:40 AM

1 Sample was collected on 03/26/2007 and were received at Accutest on 03/28/2007. These Samples received an Accutest job number of M63693R. 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:** MSJ517

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M63914-4DUP 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(M63693R).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-82 FRANK-SS2		
Lab Sample ID:	M63693-2R	**Date Sampled:**	03/26/07
Matrix:	AIR - Air	**Date Received:**	03/28/07
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	J10008.D	1	04/12/07	PB	n/a	n/a	MSJ517
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	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	86%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job # M63693R | PAGE 1 OF 1

Client / Reporting Information

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

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

Weather Parameters

Temperature (Fahrenheit) Start: 49 Stop: 42 Maximum: 3 Minimum:
Atmospheric Pressure (inches of Hg) Start: 30.30 Stop: 30.17 Maximum: Minimum:
Other weather comment:

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	045162-82Frank-SS1	SV	M106	6	M0089	3/26/07	1406	29	-	KAW	3/26/07	1525	2.5	-	KAW		
-2	" " - SS2	"	M059	"	M063	"	1437	28	-	KAW	"	1532	5	-	"		

Turnaround Time (Business days)

Standard - 15 Days ✓
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full TI
Other:

Comments / Remarks

Please see attached list of analytes.
Please HOLD 045162-82Frank-SS2

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 B. Wolfe	3/26/07 1900	1 GEI Lab	2 GEI Lab	3/28/07 14:50	2 Ray Sugrim
3 Ray Sugrim	3/28/07 14:50	3	4	3/28/07 16:10	4
5	Date Time:	5	Custody Seal #		

SM043-01 (2/14/05)

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M63693R: Chain of Custody
Page 1 of 6

Sub Slab

~~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

Betty Baer M63693R

From: Reza Tand
Sent: Wednesday, April 11, 2007 2:56 PM
To: Betty Baer
Subject: FW: Samples on hold - Tufts street

Hi bETTY,
Please relog these samples & also log in "CDROM" as well.
Thanks,
Reza

From: Ray Siegener [mailto:RSiegener@geiconsultants.com]
Sent: Wednesday, April 11, 2007 2:54 PM
To: Frank D'Agostino; Philip Bassignani
Cc: Reza Tand; Mark Ensign
Subject: Samples on hold - Tufts street

Frank,
Please run the cans on hold for the following Tufts street jobs: M63693 (M63693-2), M63694 (M63694-1 - may have moisture inside - see chain), M63695 (M63695-1), and M63585 (M63585-2). Please call me if you have any questions.

Regards,
Ray

Raymond Siegener, Ph.D.
Project Environmental Scientist
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
Cell: 339-227-3342
Office: 781-721-4098
www.geiconsultants.com <http://www.geiconsultants.com/>

Summa Certification Blanks

Sample ID	Canister ID
M63693-2R	M059

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : j9566.d
Acq On : 2 Mar 2007 8:05 am
Operator : PhilipB
Sample : M63102-24 (M059)
Misc : MS13120, MSJ493,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 02 10:20:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J022207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Feb 23 13:31:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	209751	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	580917	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	435419	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	98346	6.45	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 129.00%

Target Compounds Qvalue

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

J040507T.M Thu Apr 12 13:55:28 2007 Page: 1

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M63693R: Chain of Custody
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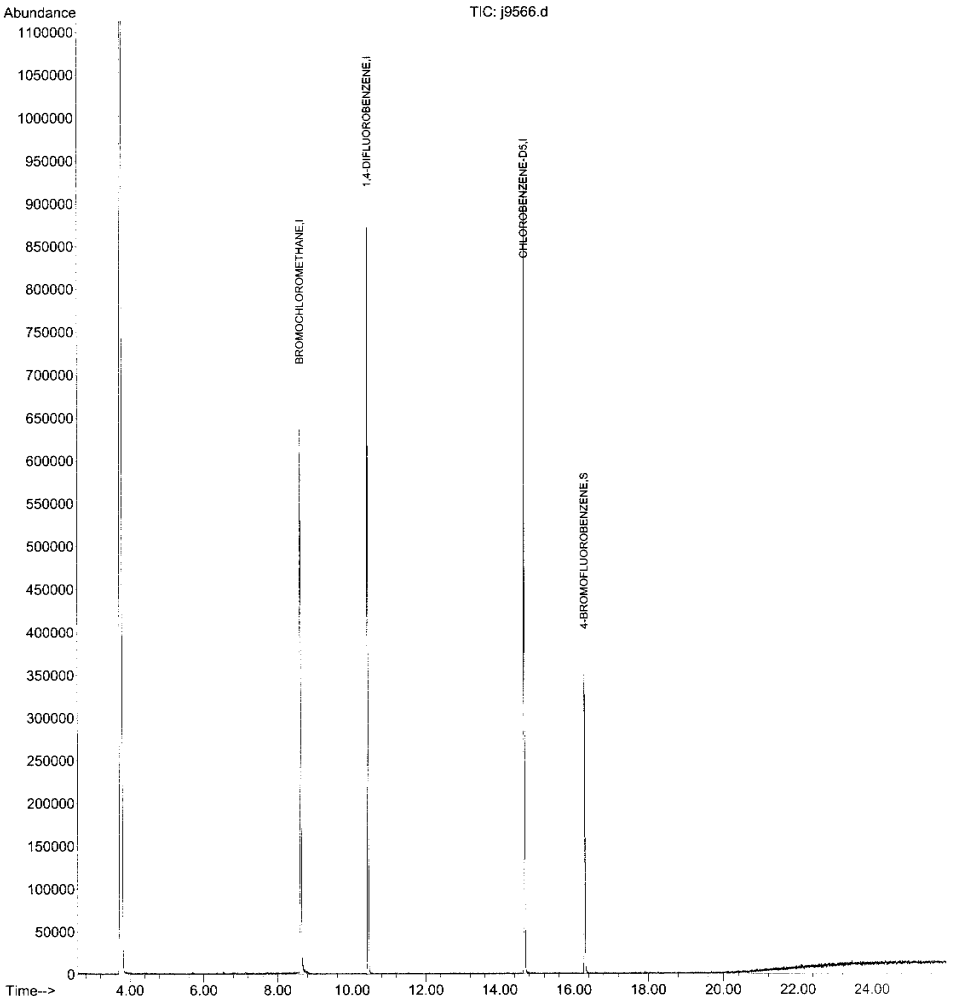
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : j9566.d
Acq On : 2 Mar 2007 8:05 am
Operator : PhilipB
Sample : M63102-24 (M059)
Misc : MS13120, MSJ493,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 02 10:20:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J022207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Feb 23 13:31:12 2007
Response via : Initial Calibration



J040507T.M Thu Apr 12 13:55:30 2007 Page: 2

4.1 4

M63693R: Chain of Custody
Page 6 of 6

Summa Canister and Flow Controller Log

Job Number: M63693R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 03/28/07

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
M059	6	29.4	03/05/07	PB	CP376		M63693-2	04/11/07	PB	4		-2	1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC063	03/19/07	PB	80	1	04/02/07	PB	76.9
MC089	03/19/07	PB	80	1	04/02/07	PB	78.6

Accutest Bottle Order(s):
PB/3-19-07/GEI/TUFTS ST.
PB/3-5-07/GEI/TUFTS STREET

Prep Date	Room Temp(F)	Bar Pres "Hg
03/05/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M63693R

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M63693-2R Collected: 26-MAR-07 14:37 By: KAW Received: 28-MAR-07 By: RS 045162-82 FRANK-SS2						
M63693-2R	TO-15	12-APR-07 08:59	PB			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: M63693R
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

M63693-2R

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: M63693R
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

M63693-2R

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: M63693R
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
M63914-4DUP	J10003.D	2	04/11/07	PB	n/a	n/a	MSJ517
M63914-4	J10002.D	2	04/11/07	PB	n/a	n/a	MSJ517

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

M63693-2R

CAS No.	Compound	M63914-4 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	63.2		62.2		2	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	20.0		20.6		3	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M63914-4	Limits
460-00-4	4-Bromofluorobenzene	83%	84%	57-139%

Instrument Performance Check (BFB)

Job Number: M63693R
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: M63693R
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 M63693R)
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)
M63693-2R	J10008.D	04/12/07	08:59	18:30	045162-82 FRANK-SS2
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

Volatile Internal Standard Area Summary

Job Number: M63693R
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
M63693-2R	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.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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: M63693R
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

Volatile Surrogate Recovery Summary

Job Number: M63693R
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
M63693-2R	J10008.D	86.0
M63914-4DUP	J10003.D	83.0
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: M63693R **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: M63693R **Sample:** MSJ513-ICC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9928.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
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: M63693R **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: M63693R **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: M63693R **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: M63693R **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

5.8

5

Continuing Calibration Summary

Job Number: M63693R **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: M63693R **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: M63693R **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

5.8

5

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10008.D
Acq On : 12 Apr 2007 8:59 am
Operator : PhilipB
Sample : M63693-2
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 12 09:32:57 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	386935	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	813916	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	688082	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	176883	4.29	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 85.80%

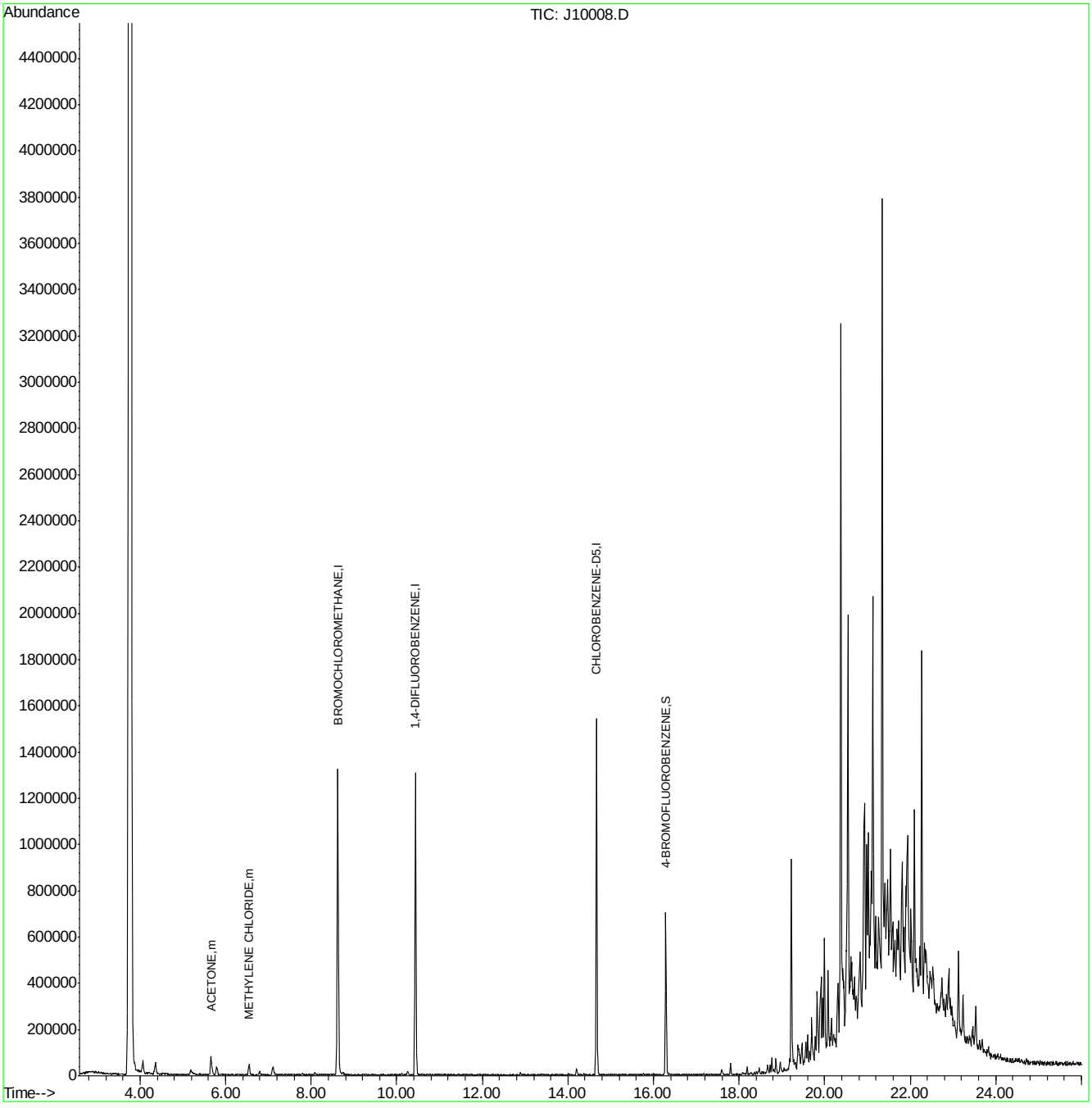
Target Compounds						Qvalue
12) ACETONE	5.66	43	117755	3.54	PPBV	92
18) METHYLENE CHLORIDE	6.55	84	19004	0.70	PPBV #	10

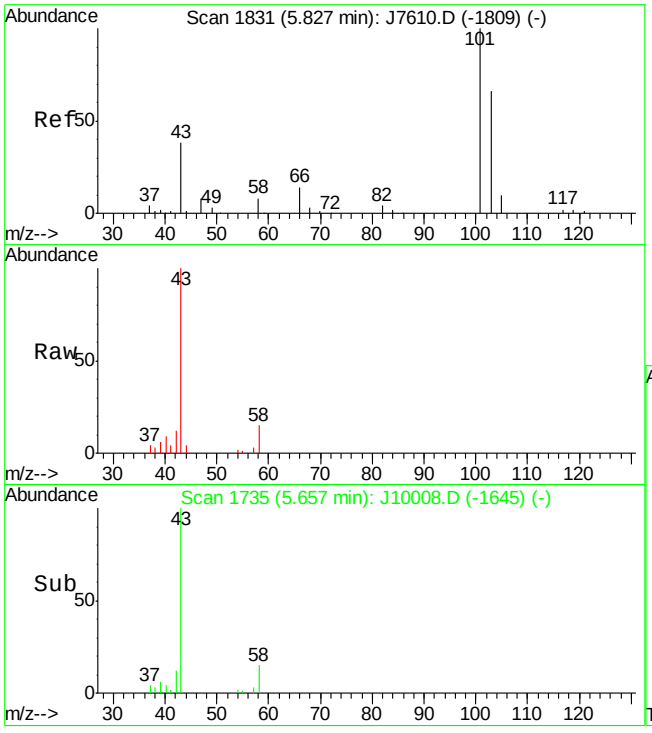
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10008.D
Acq On : 12 Apr 2007 8:59 am
Operator : PhilipB
Sample : M63693-2
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 12 09:32:57 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

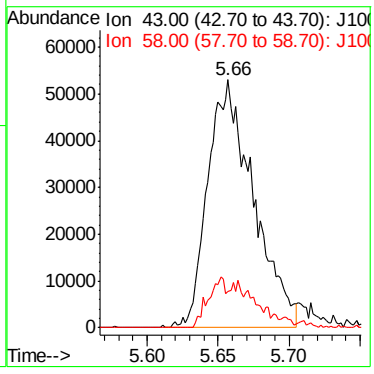


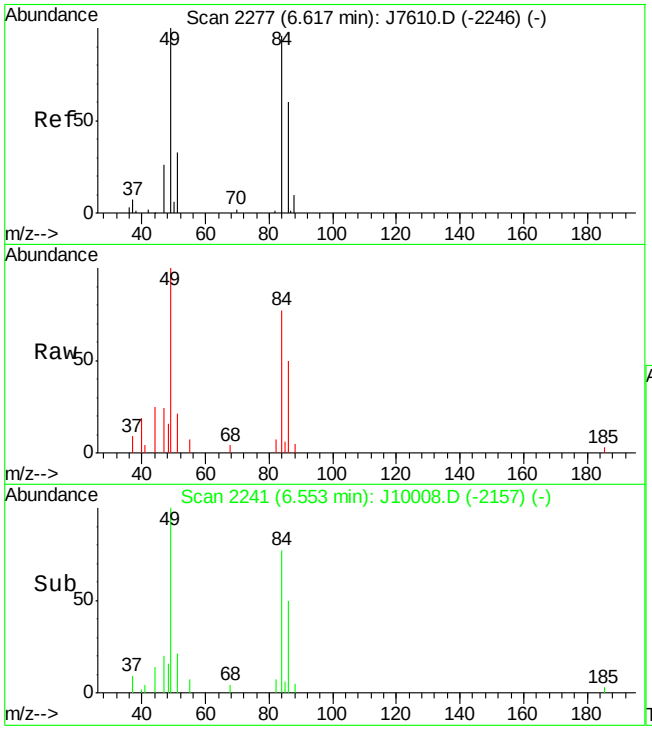


#12
ACETONE
Concen: 3.54 PPBV
RT: 5.66 min Scan# 1735
Delta R.T. 0.00 min
Lab File: J10008.D
Acq: 12 Apr 2007 8:59 am

Tgt Ion: 43 Resp: 117755

Ion	Ratio	Lower	Upper
43	100		
58	20.5	4.7	44.7

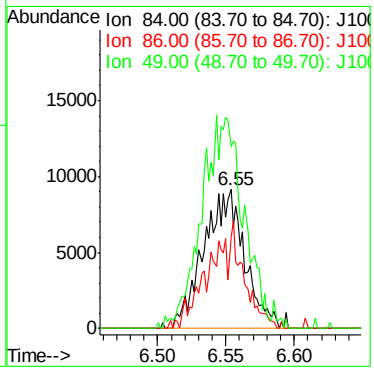




#18
METHYLENE CHLORIDE
Concen: 0.70 PPBV
RT: 6.55 min Scan# 2241
Delta R.T. -0.00 min
Lab File: J10008.D
Acq: 12 Apr 2007 8:59 am

Tgt Ion: 84 Resp: 19004

Ion	Ratio	Lower	Upper
84	100		
86	27.2	44.7	84.7#
49	0.0	0.0	329.7



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%

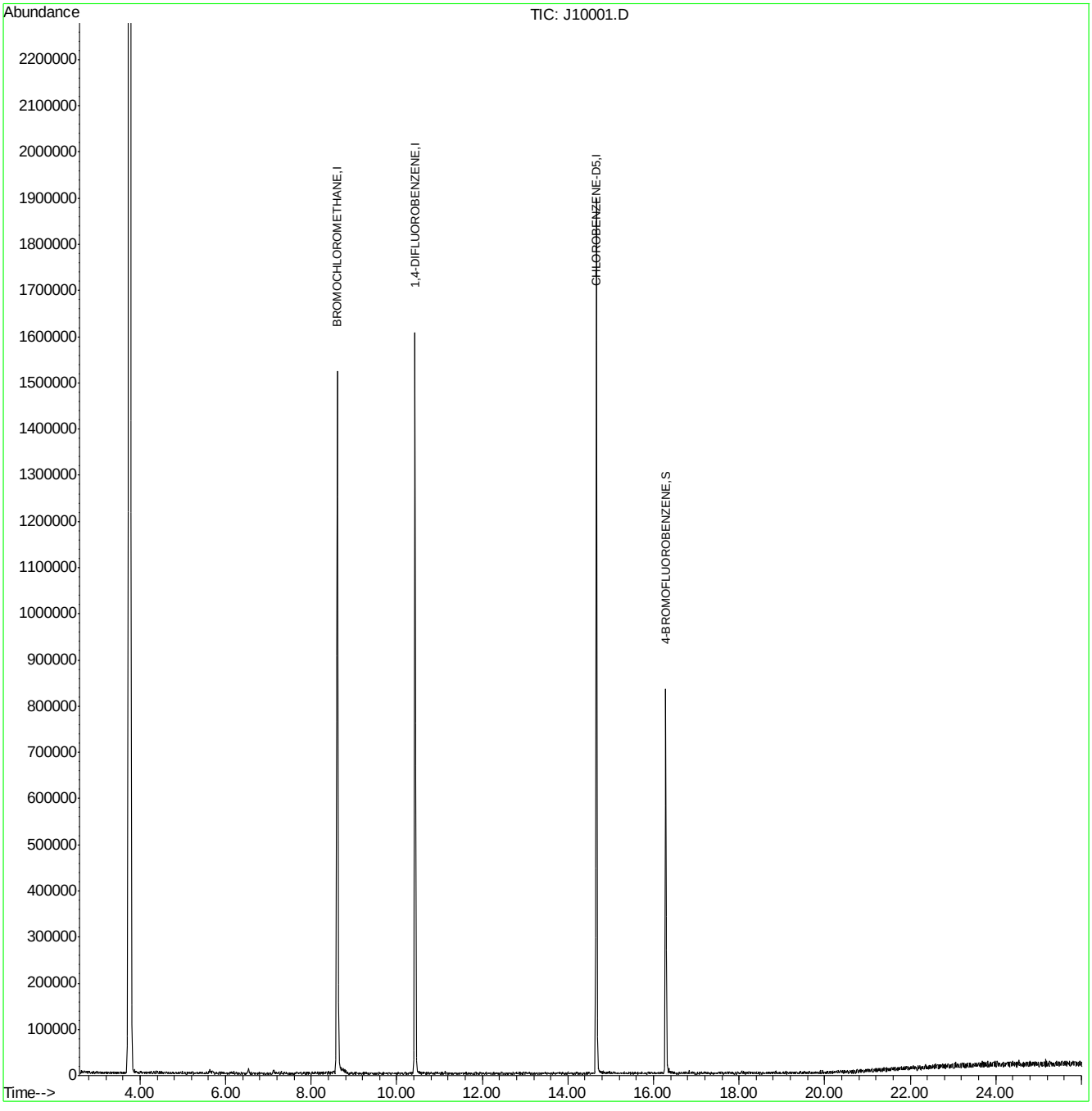
Target Compounds Qvalue

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

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



J040507T.M Thu Apr 12 09:16:19 2007 Page: 2

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

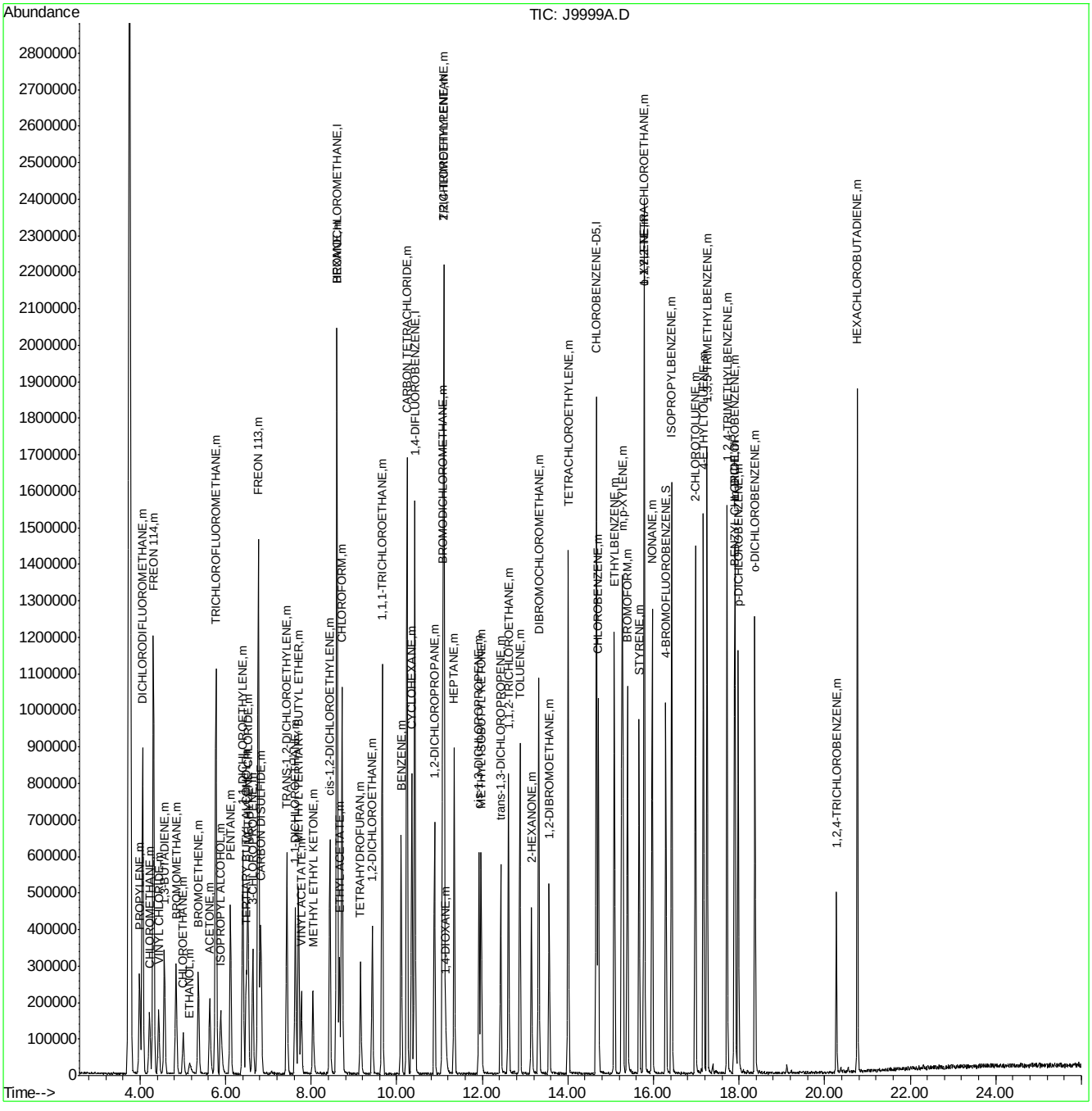
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	427934	10.23	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	229586	8.28	PPBV #	76
46) TOLUENE	12.88	92	299148	8.04	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.43	75	226670	9.51	PPBV #	77
48) 1,1,2-TRICHLOROETHANE	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

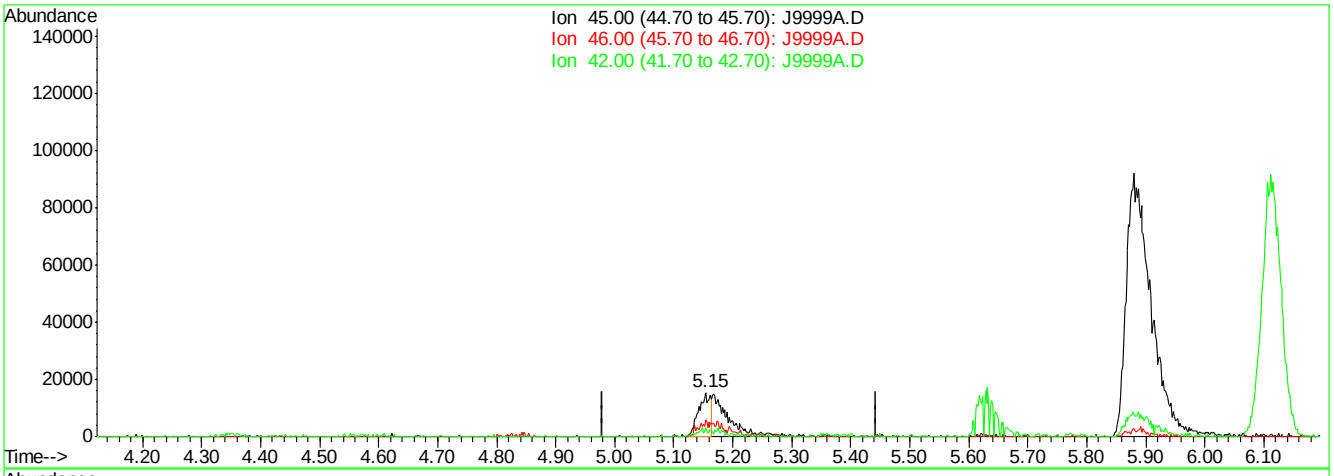


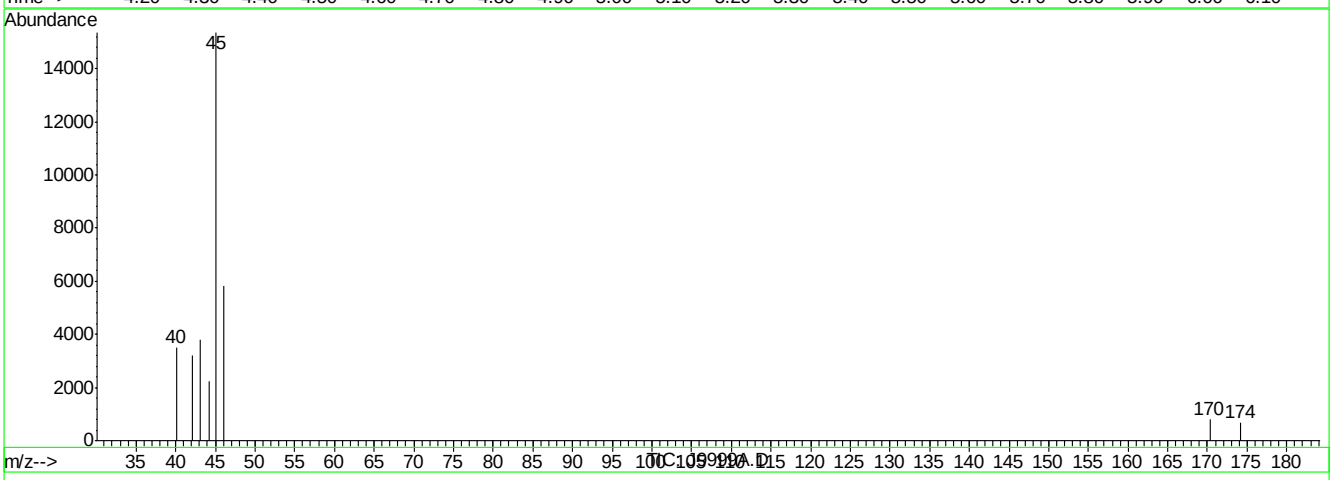
Quantitation Report (Qedit)

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

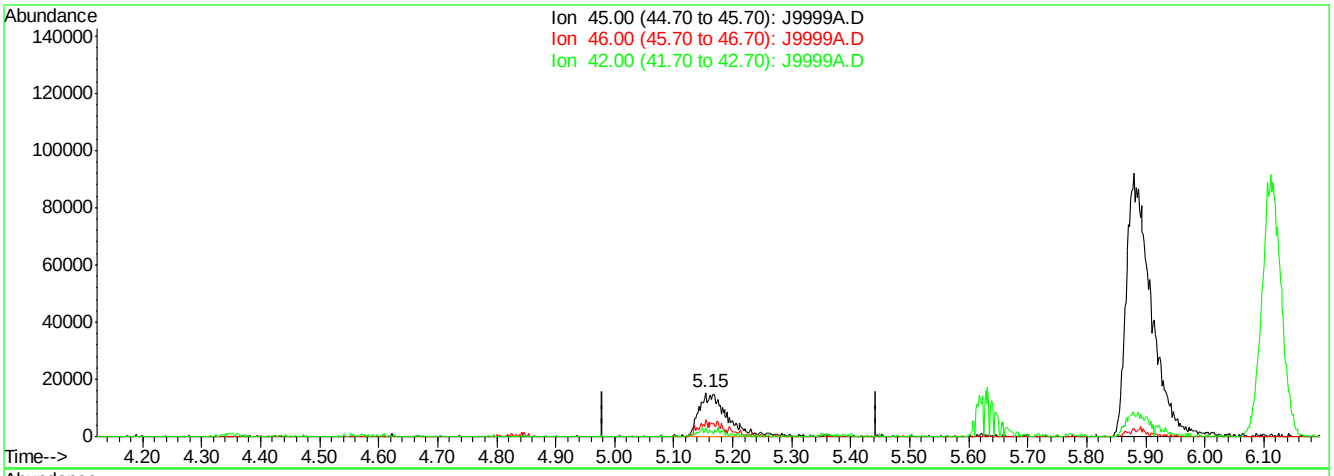
J9999A.D J040507T.M Wed Apr 11 15:32:04 2007

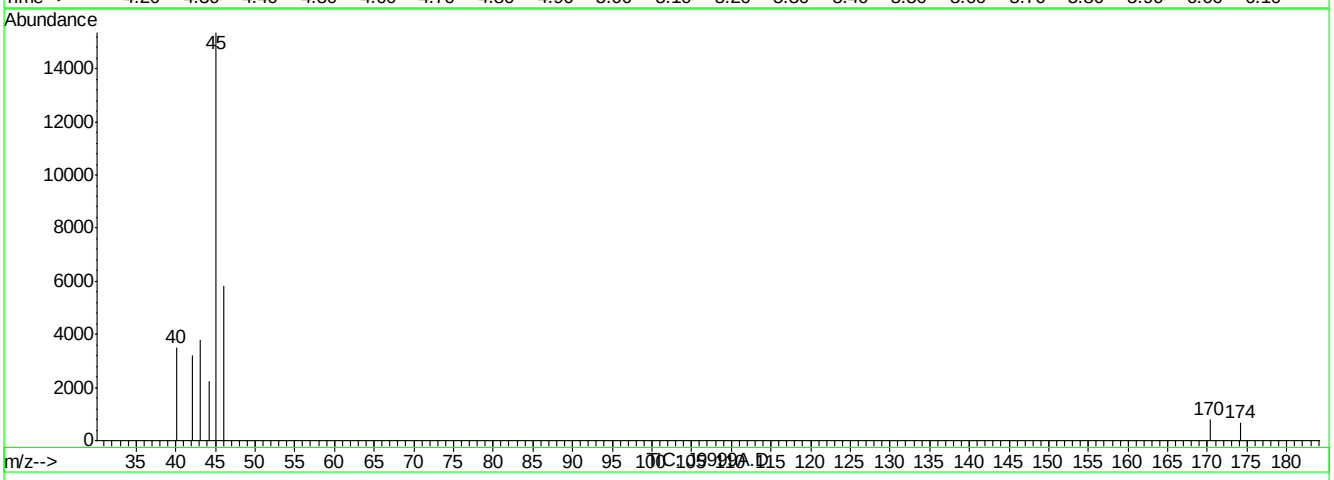
Quantitation Report (Qedit)

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

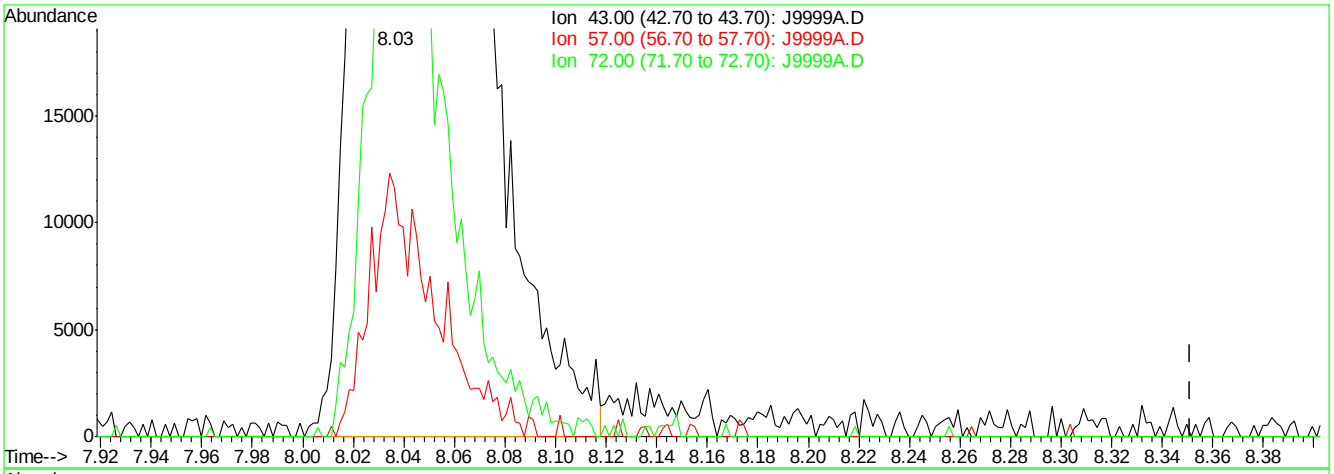
J9999A.D J040507T.M Wed Apr 11 15:32:08 2007

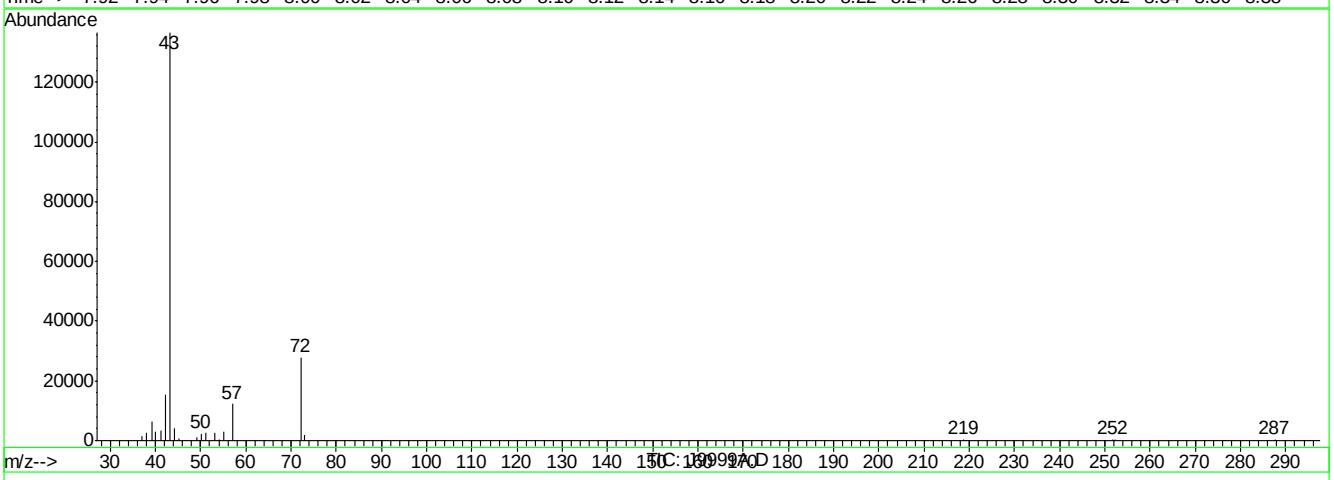
Quantitation Report (Qedit)

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

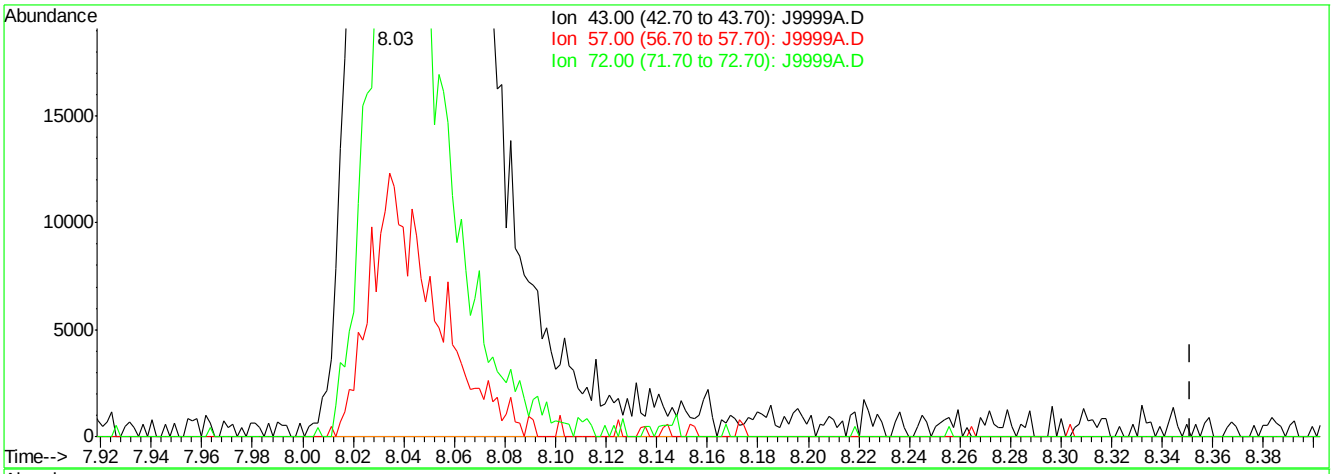
J9999A.D J040507T.M Wed Apr 11 15:32:23 2007

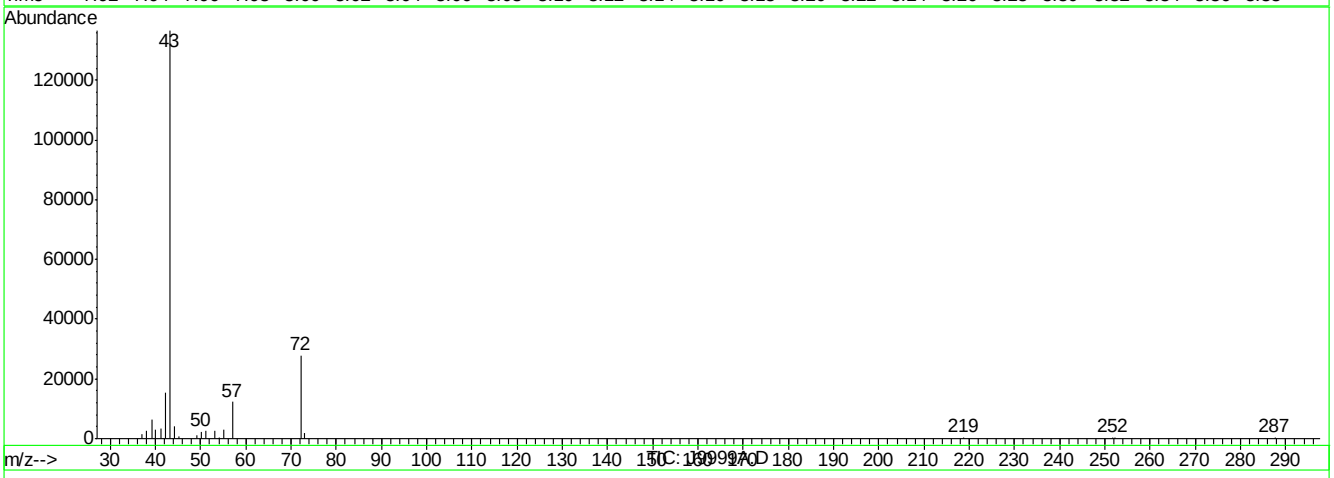
Quantitation Report (Qedit)

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10003.D
Acq On : 11 Apr 2007 5:50 pm
Operator : PhilipB
Sample : M63914-4DUP
Misc : MS13358, MSJ517,,,,,2
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 12 09:21:14 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

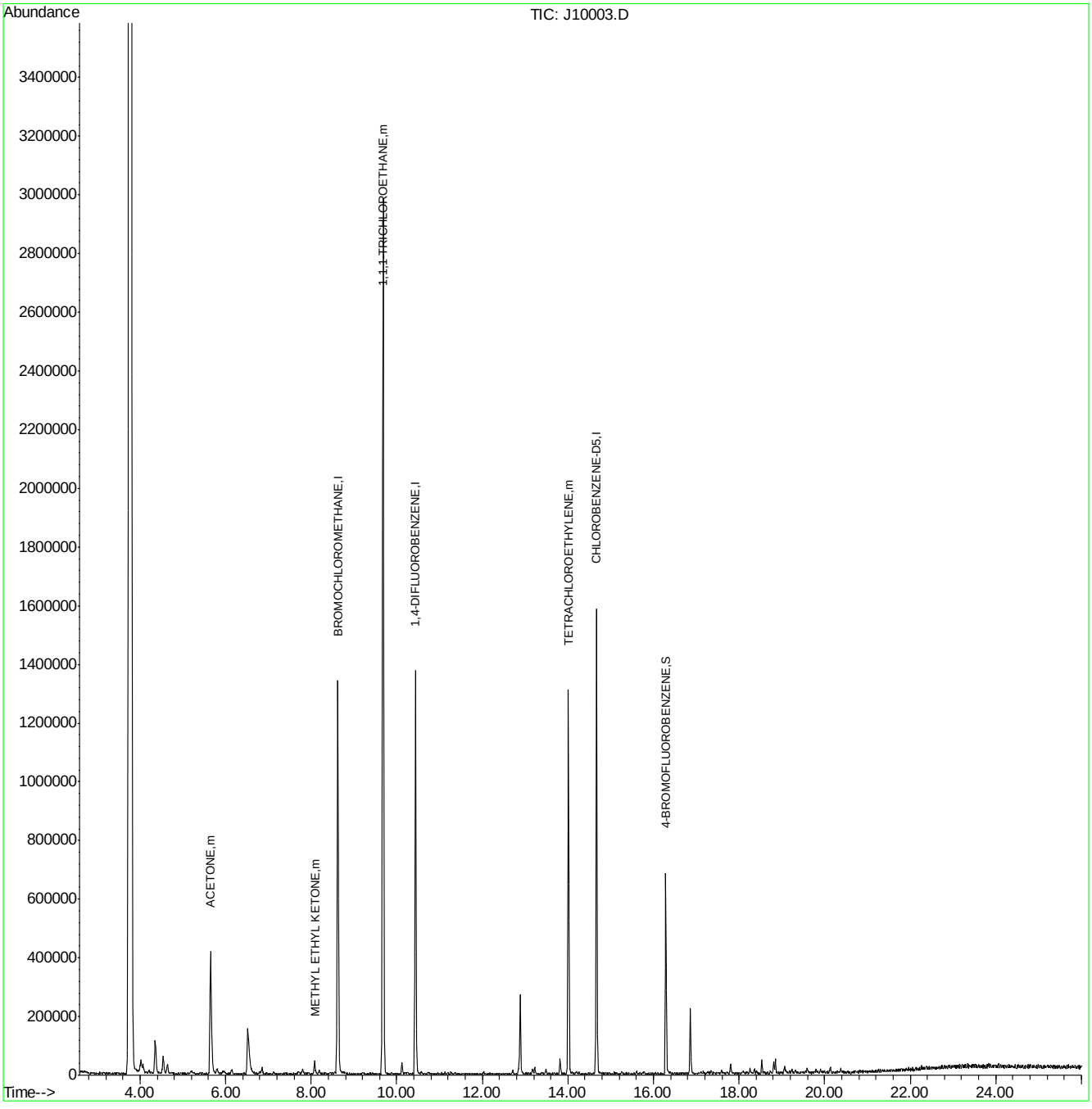
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	392131	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	872768	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	704577	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	175689	4.16	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 83.20%			
Target Compounds						Qvalue
12) ACETONE	5.65	43	643240	21.59	PPBV	67
28) METHYL ETHYL KETONE	8.08	43	50292	1.31	PPBV	89
32) 1,1,1-TRICHLOROETHANE	9.68	97	1848135	31.12	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	187123	10.32	PPBV	87

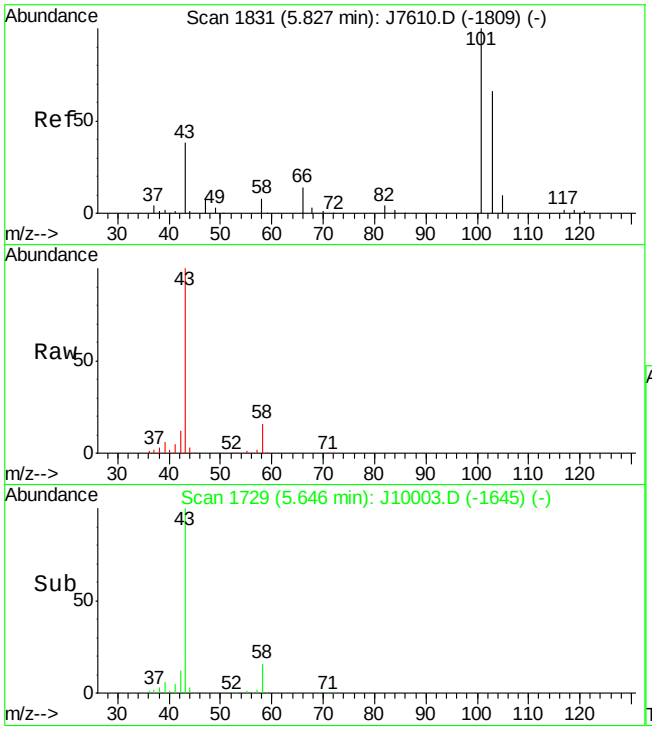
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10003.D
Acq On : 11 Apr 2007 5:50 pm
Operator : PhilipB
Sample : M63914-4DUP
Misc : MS13358, MSJ517,,,,,2
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 12 09:21:14 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

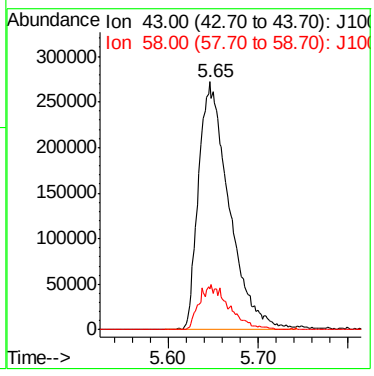


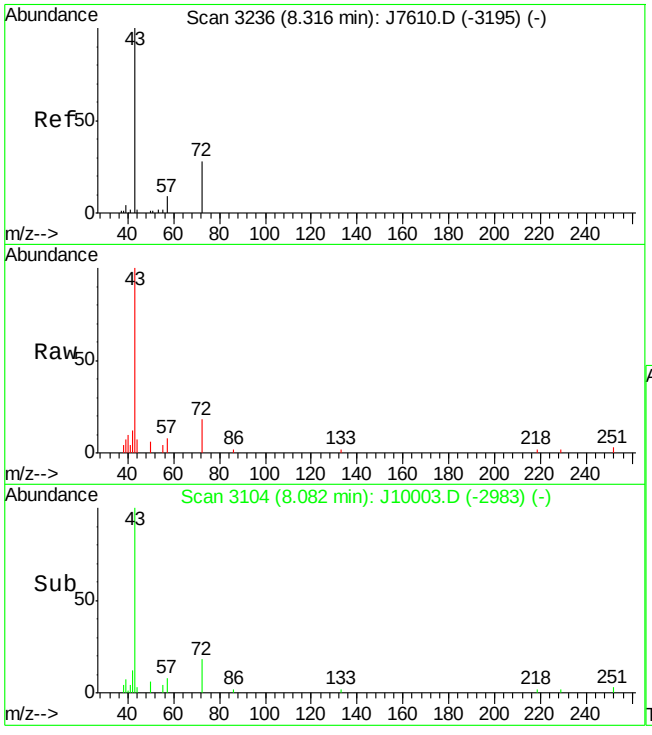


#12
ACETONE
Concen: 21.59 PPBV
RT: 5.65 min Scan# 1729
Delta R.T. -0.01 min
Lab File: J10003.D
Acq: 11 Apr 2007 5:50 pm

Tgt Ion: 43 Resp: 643240

Ion	Ratio	Lower	Upper
43	100		
58	8.2	4.7	44.7

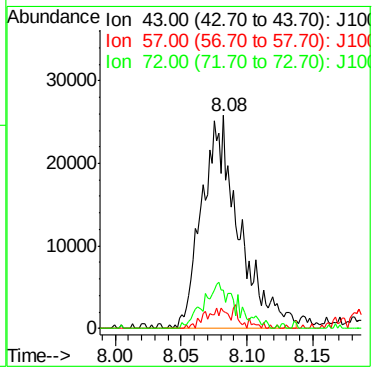


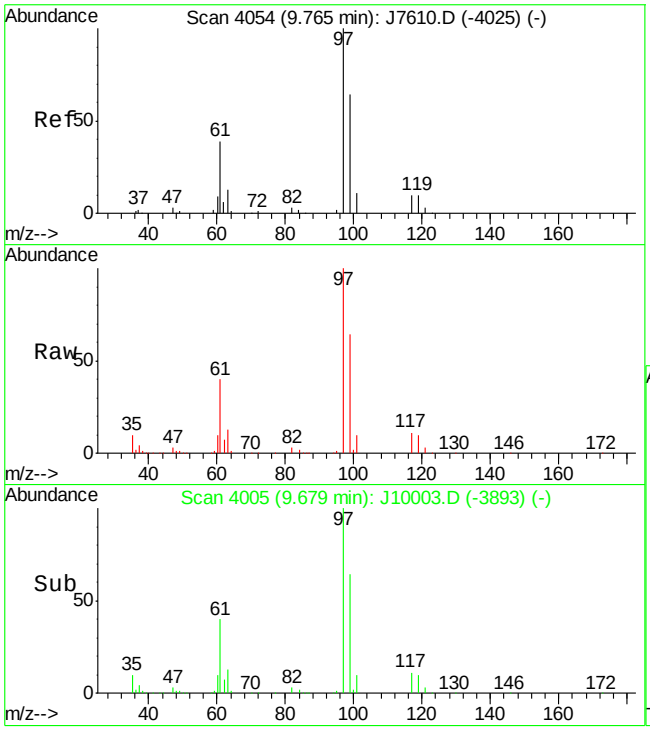


#28
METHYL ETHYL KETONE
Concen: 1.31 PPBV
RT: 8.08 min Scan# 3104
Delta R.T. 0.01 min
Lab File: J10003.D
Acq: 11 Apr 2007 5:50 pm

Tgt Ion: 43 Resp: 50292

Ion	Ratio	Lower	Upper
43	100		
57	7.8	0.0	27.8
72	18.1	5.6	45.6

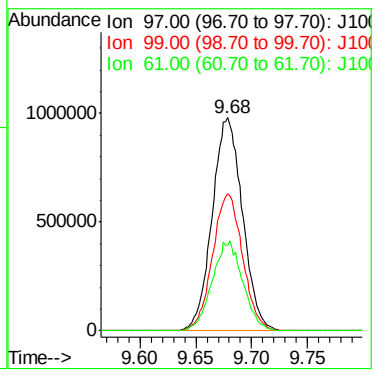


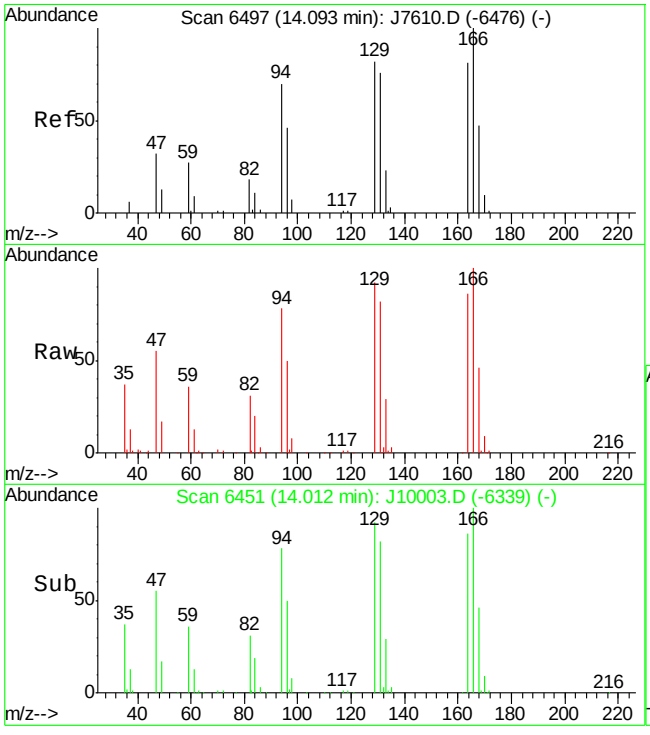


#32
1,1,1-TRICHLOROETHANE
Concen: 31.12 PPBV
RT: 9.68 min Scan# 4005
Delta R.T. -0.01 min
Lab File: J10003.D
Acq: 11 Apr 2007 5:50 pm

Tgt Ion: 97 Resp: 1848135

Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.8	83.8
61	42.5	20.3	60.3

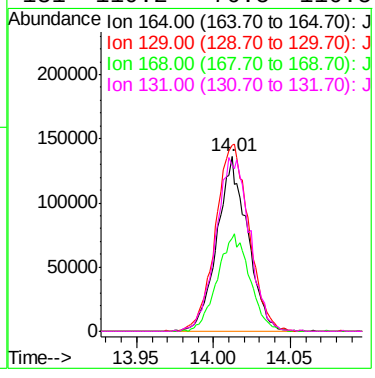




#51
TETRACHLOROETHYLENE
Concen: 10.32 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. -0.01 min
Lab File: J10003.D
Acq: 11 Apr 2007 5:50 pm

Tgt Ion:164 Resp: 187123

Ion	Ratio	Lower	Upper
164	100		
129	117.9	79.8	119.8
168	59.3	41.6	81.6
131	110.2	76.5	116.5



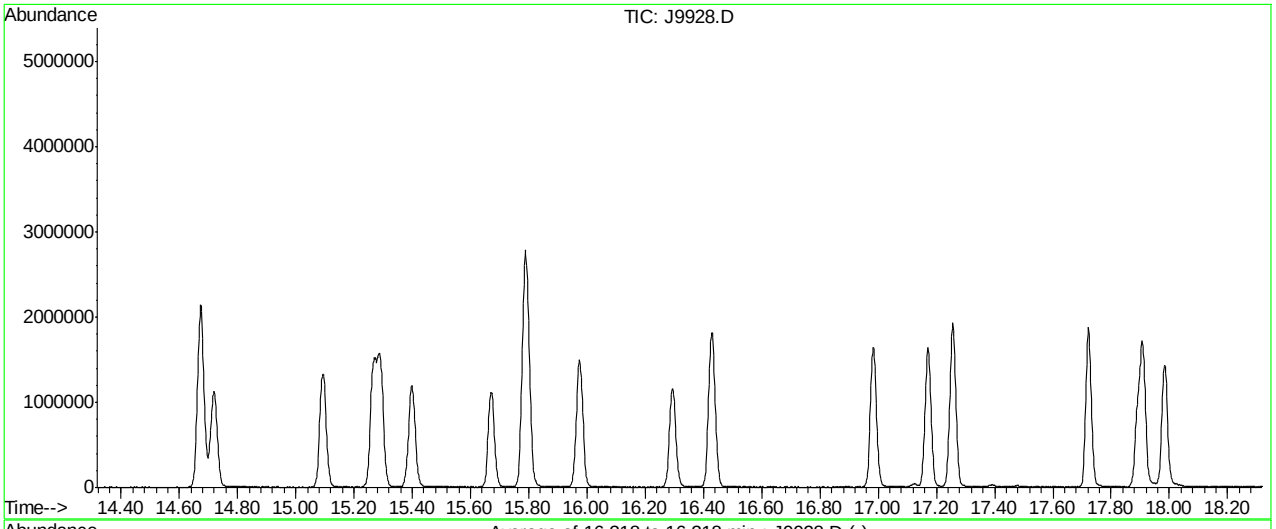
ACCUTEST Laboratories M63693R

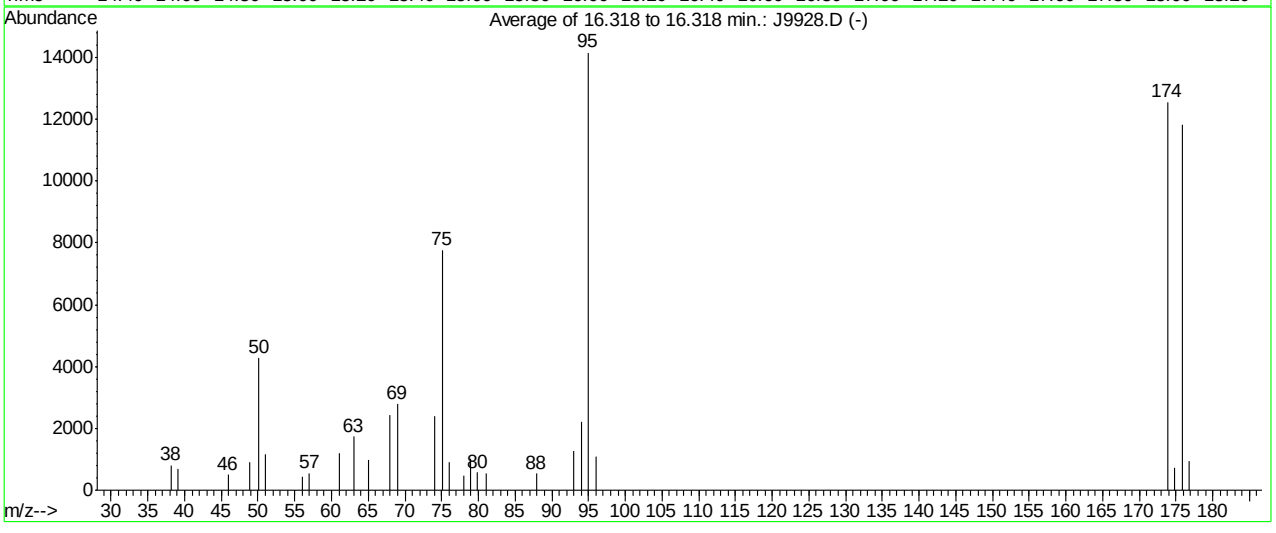
BFB

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

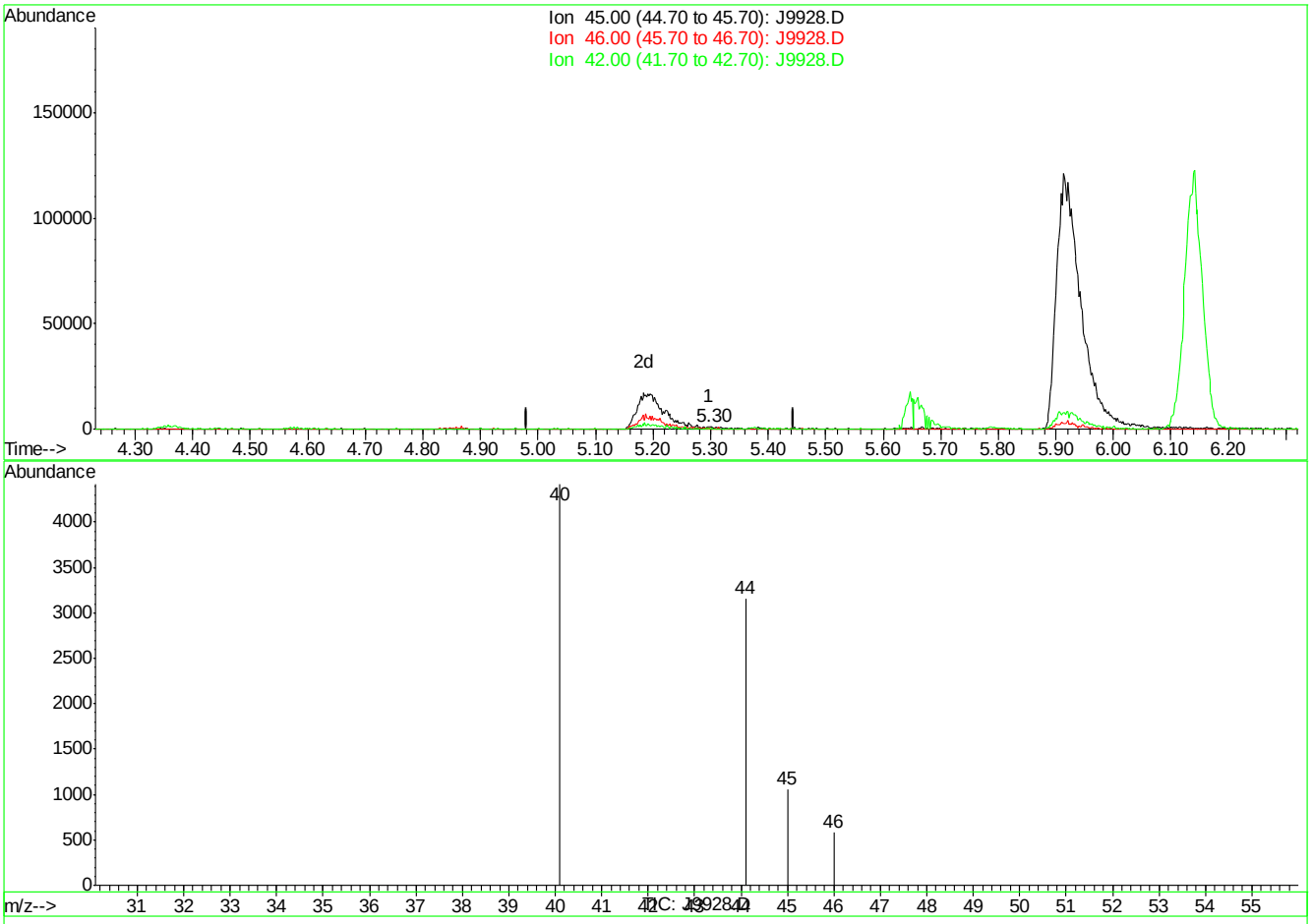
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	799	68.00	2426	94.00	2219		
39.10	692	69.00	2778	94.95	14160		
45.90	505	74.10	2397	96.00	1090		
48.90	901	75.10	7769	173.80	12562		
50.10	4273	76.10	912	174.80	735		
51.00	1177	78.00	474	175.90	11811		
56.00	435	78.90	1022	176.70	949		
57.00	555	79.90	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

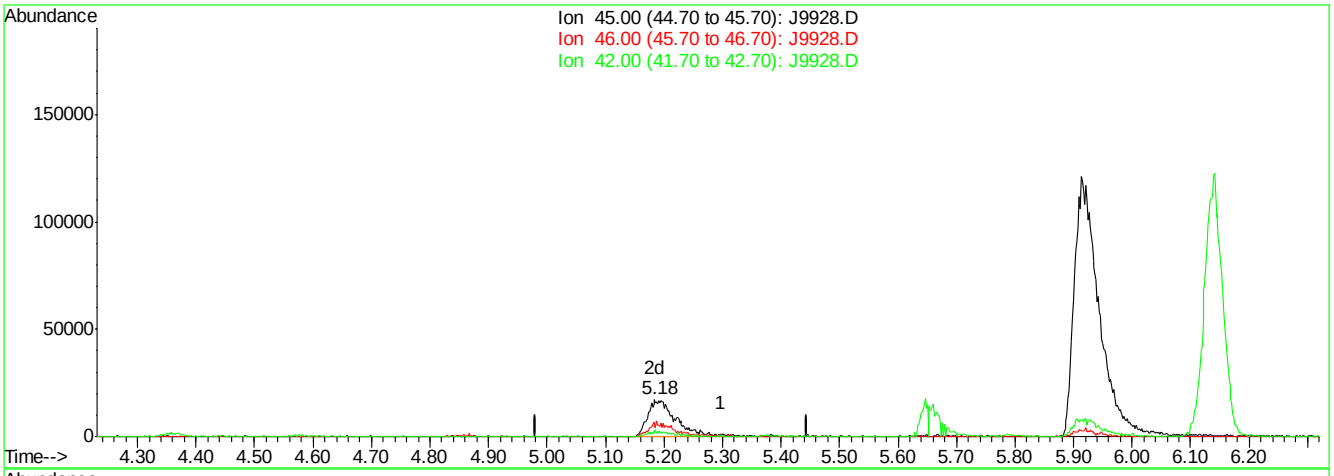
J9928.D J040407T.M Thu Apr 05 13:47:05 2007

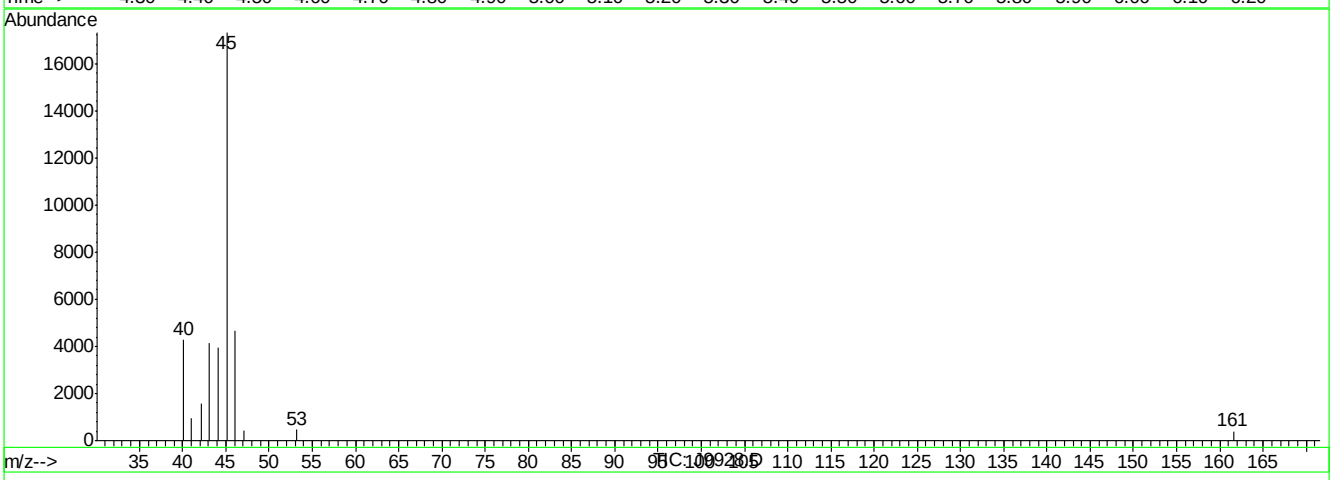
Quantitation Report (Qedit)

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

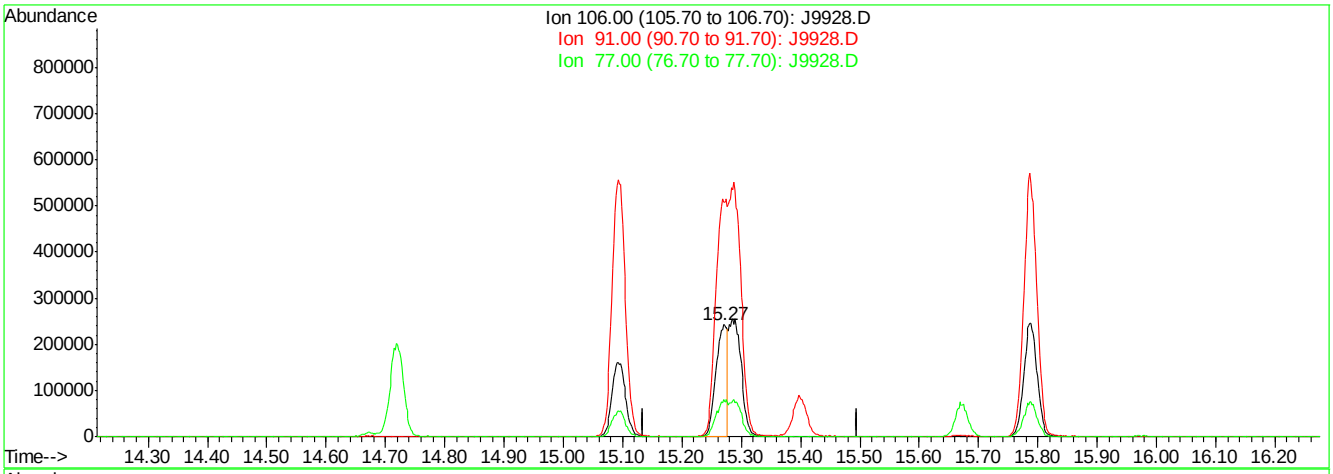
J9928.D J040407T.M Thu Apr 05 13:47:09 2007

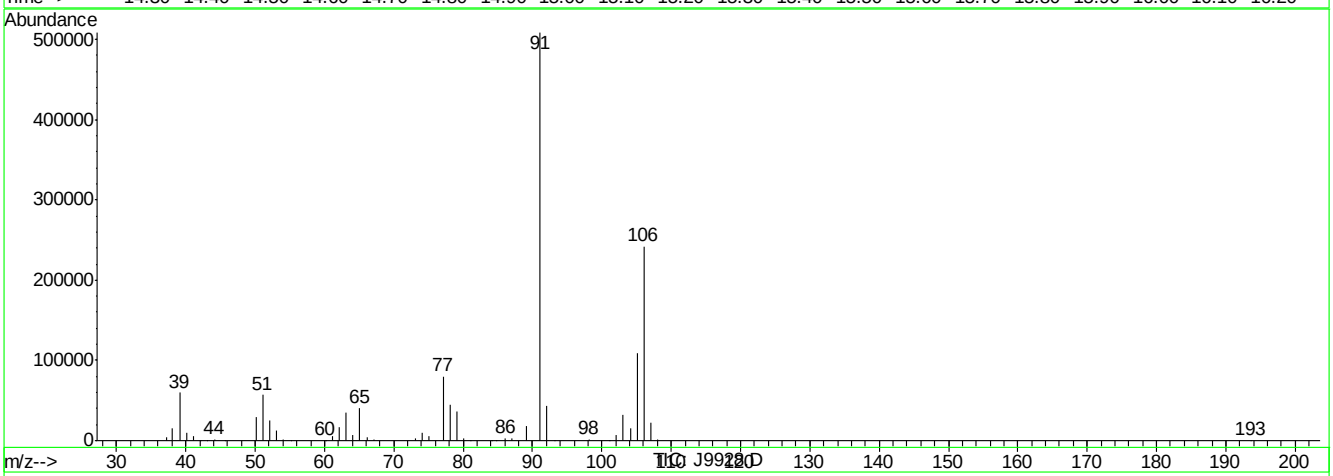
Quantitation Report (Qedit)

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

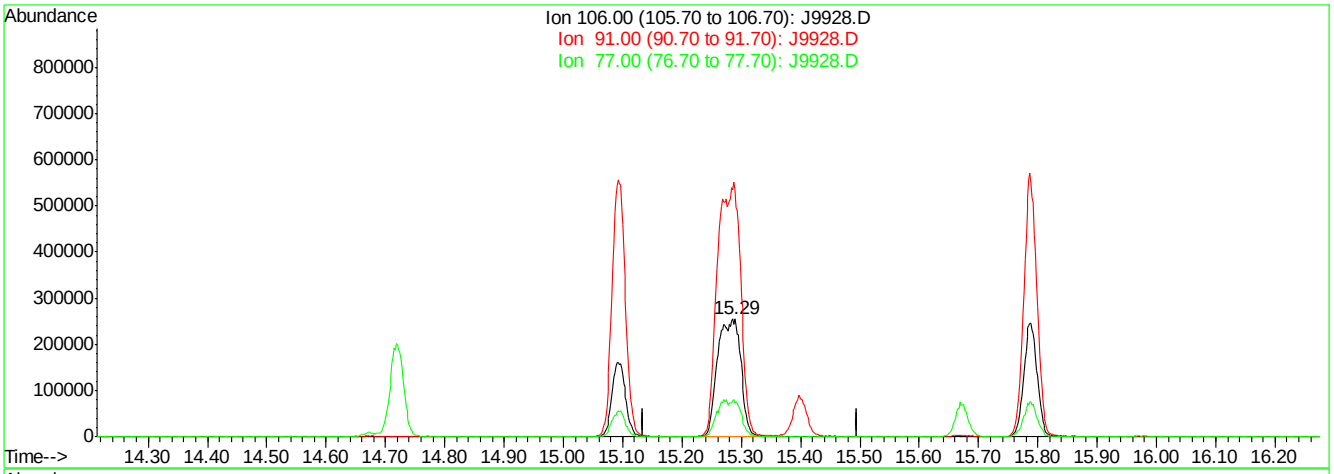
J9928.D J040407T.M Thu Apr 05 13:47:33 2007

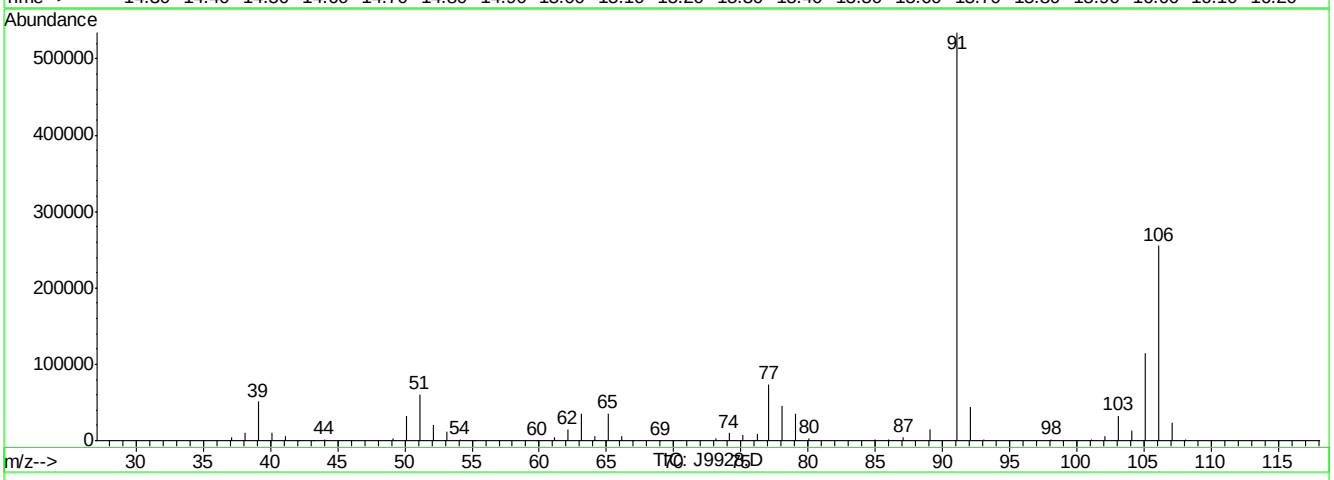
Quantitation Report (Qedit)

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

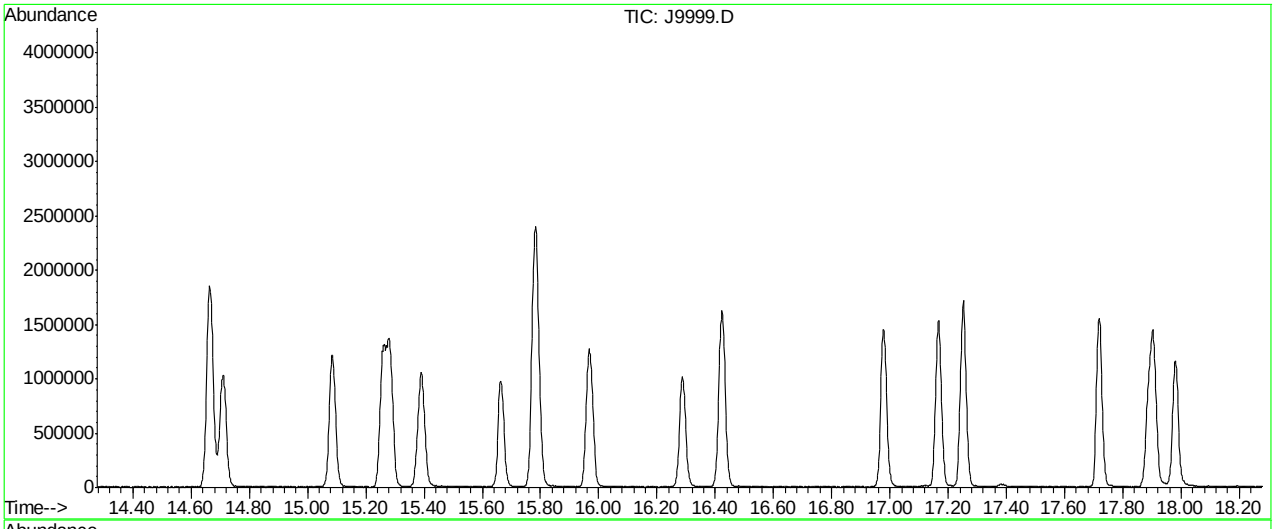
J9928.D J040407T.M Thu Apr 05 13:47:37 2007

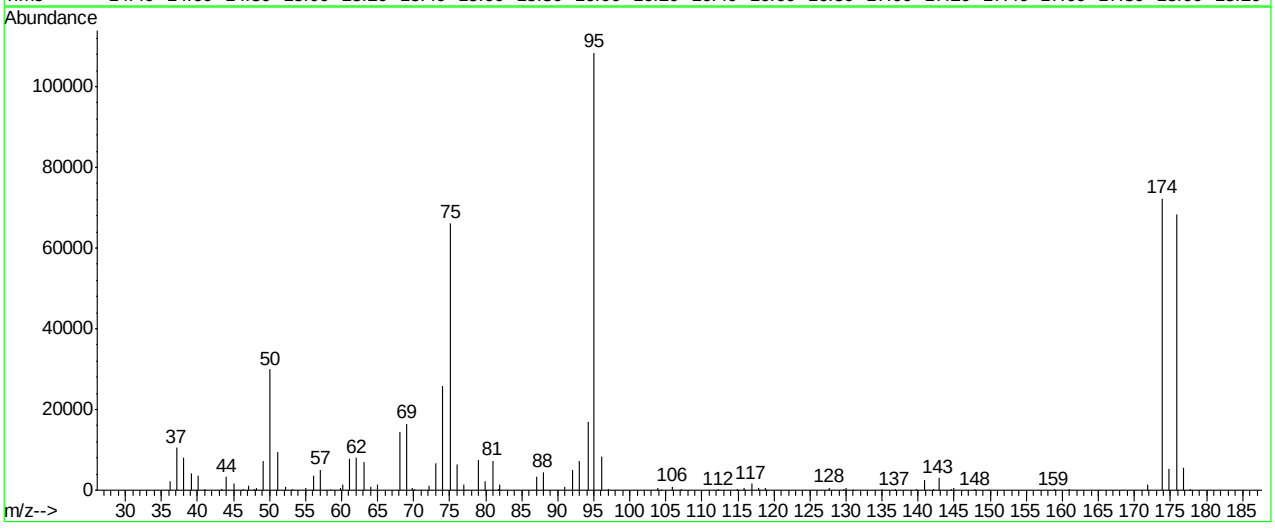
BFB

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)

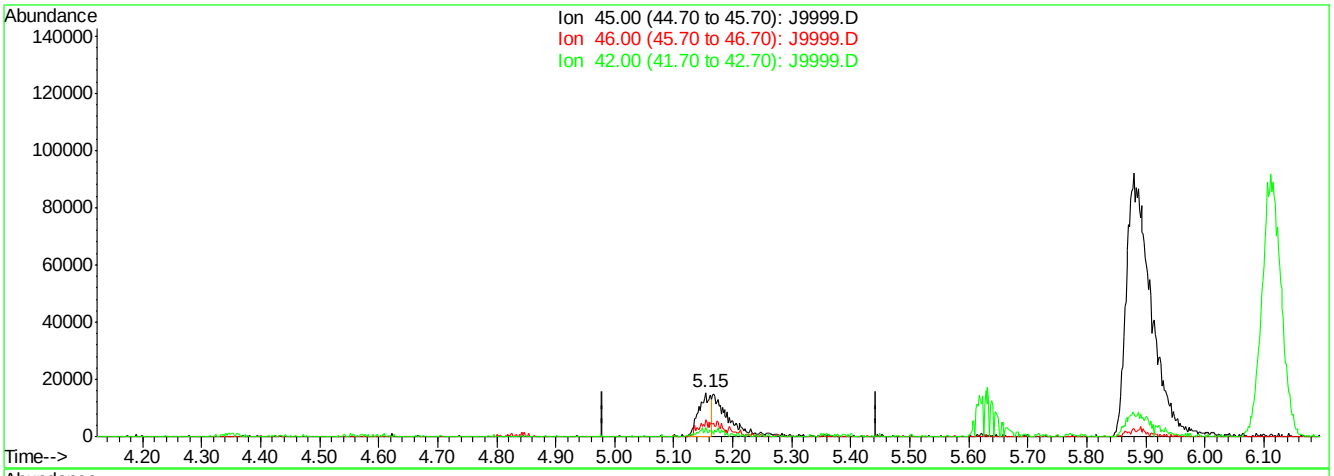
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.00	1481	104.40	142	129.70	205	147.90	223
87.05	3429	105.95	886	129.95	486	149.70	133
87.95	4541	107.20	165	131.00	136	158.90	241
90.95	884	112.30	237	134.90	155	160.90	175
92.05	5070	114.90	280	136.80	210	171.90	1489
93.00	7282	115.90	663	139.75	310	173.90	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

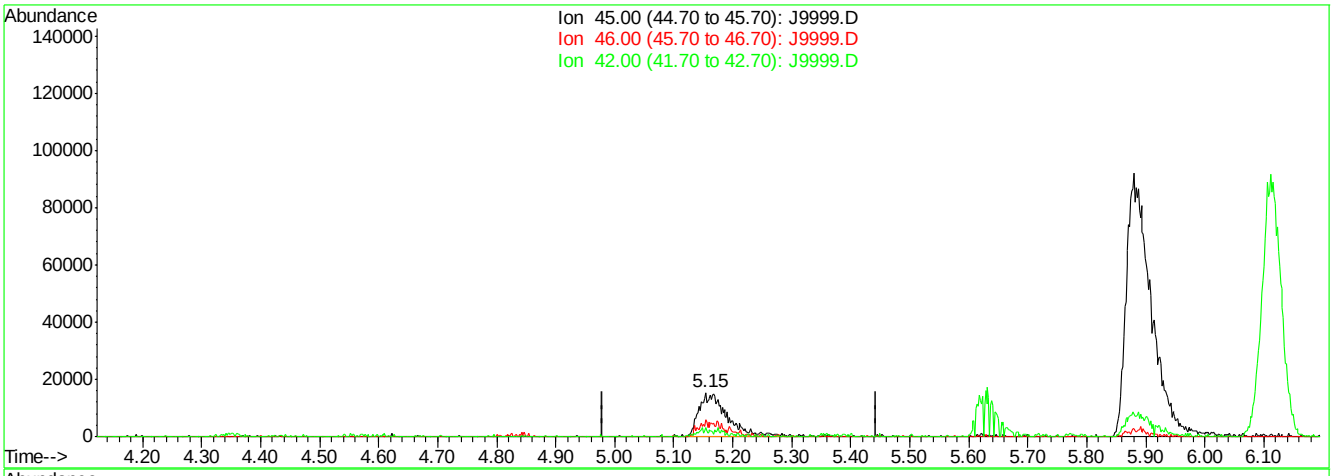
J9999.D J040507T.M Wed Apr 11 15:28:13 2007

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

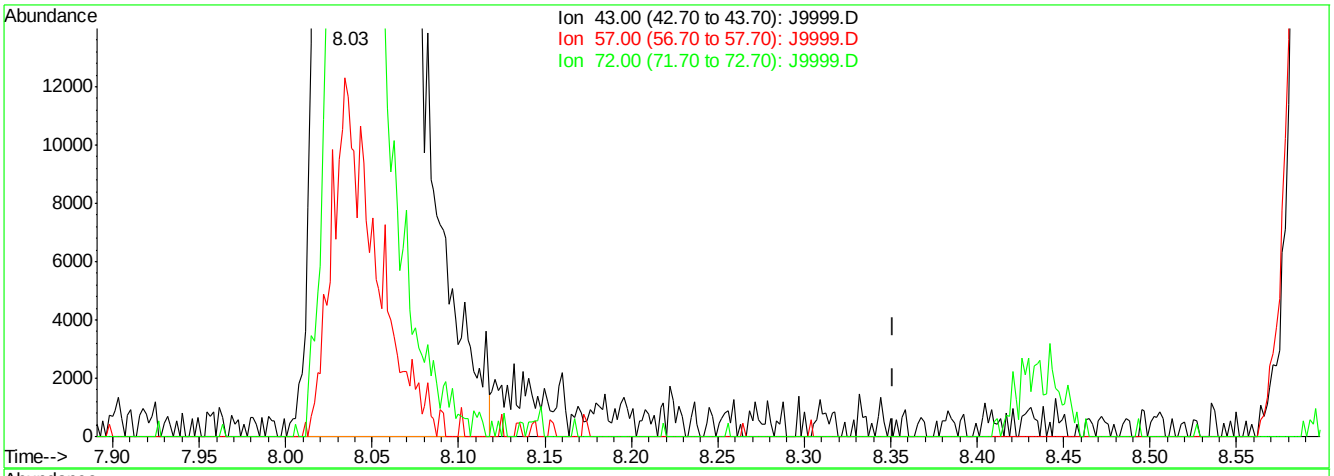
J9999.D J040507T.M Wed Apr 11 15:28:20 2007

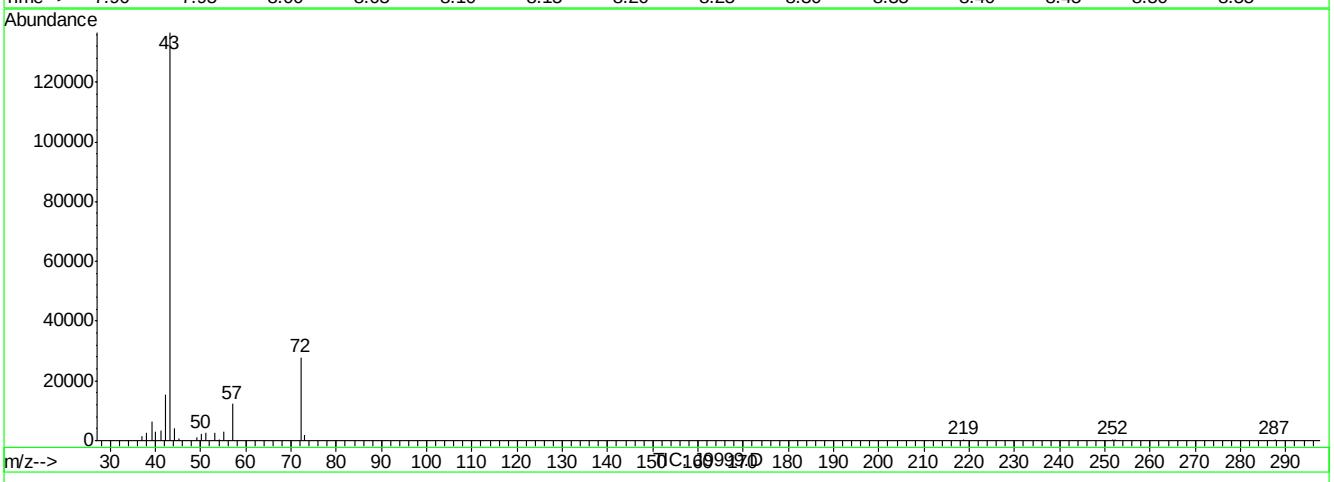
Quantitation Report (Qedit)

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

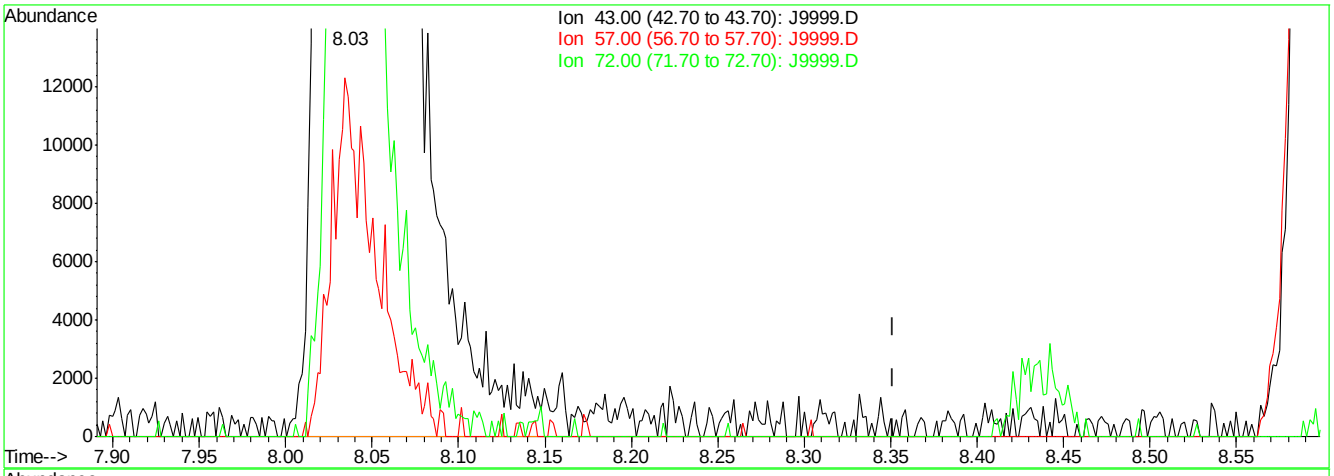
J9999.D J040507T.M Wed Apr 11 15:28:38 2007

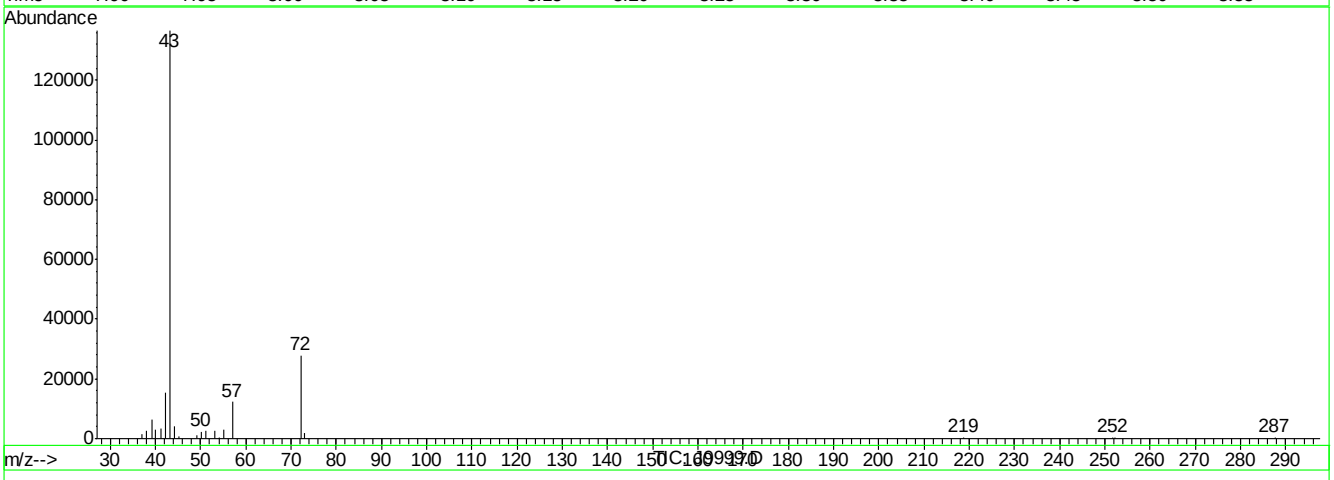
Quantitation Report (Qedit)

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

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

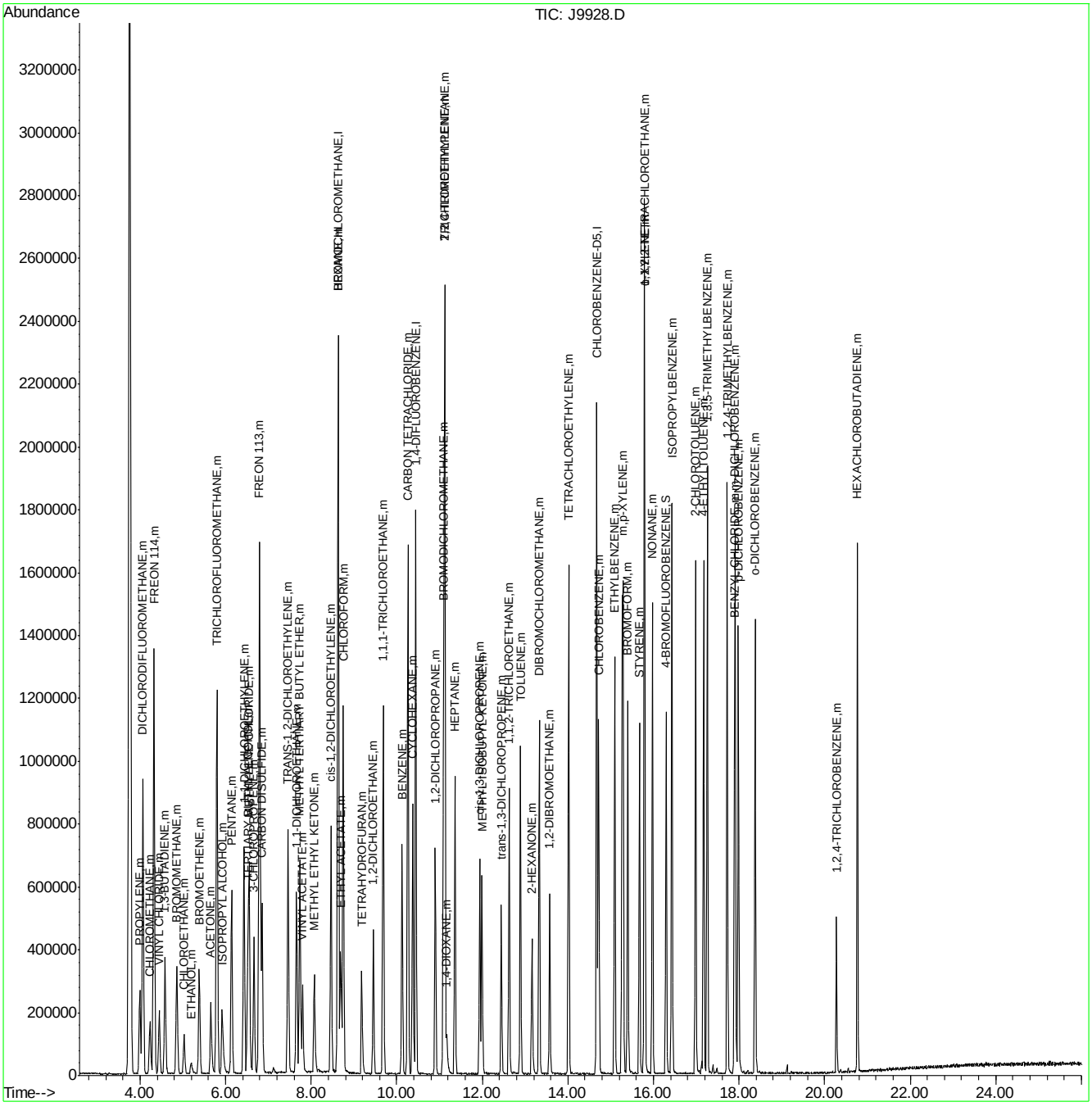
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	440292	8.34	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.94	75	298861	8.12	PPBV	88
46) TOLUENE	12.89	92	370229	6.99	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	241921	7.53	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.63	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

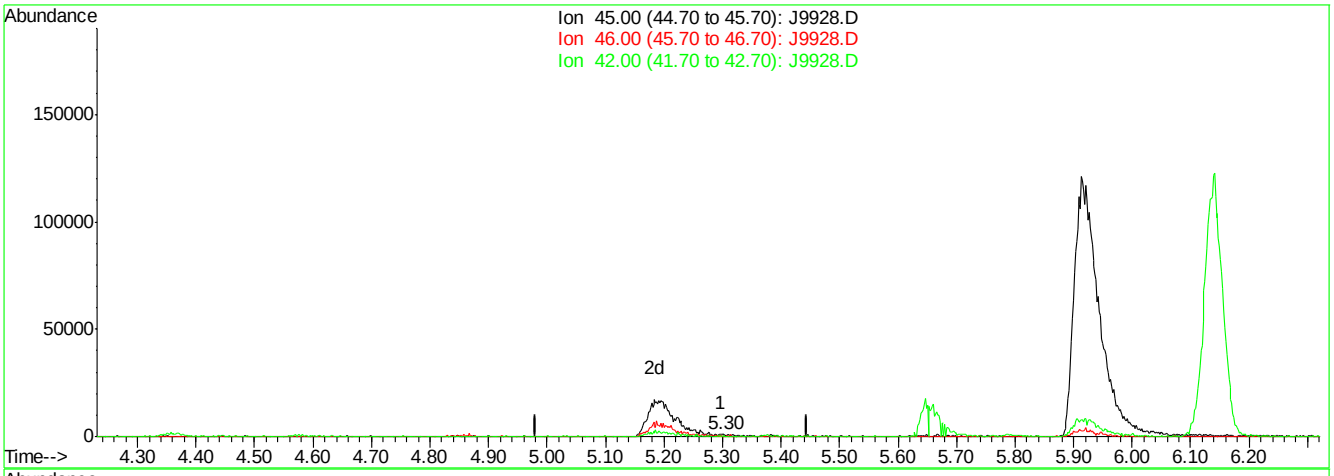


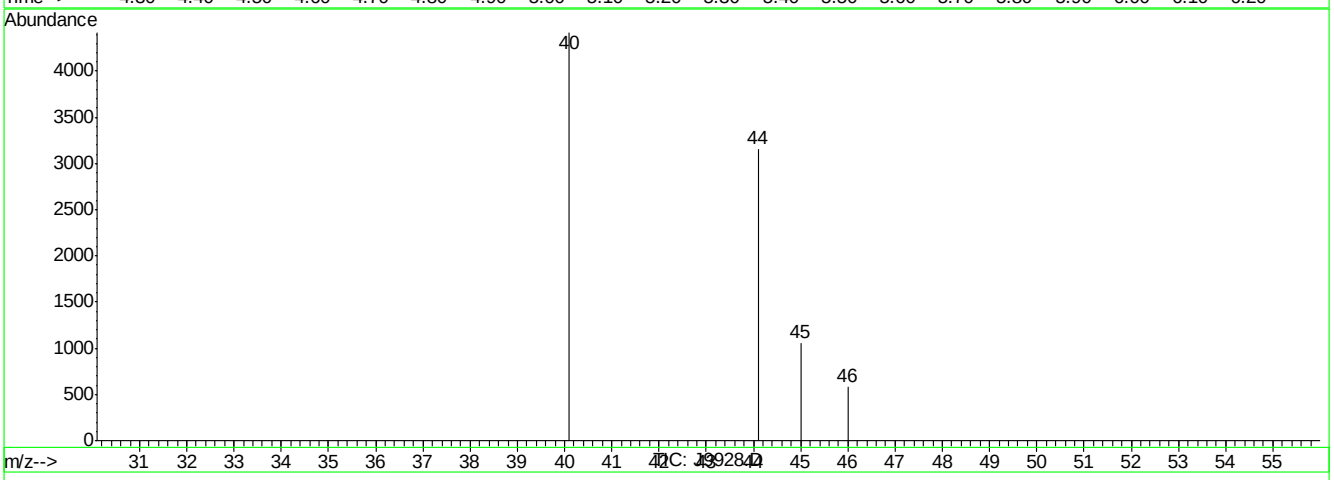
Quantitation Report (Qedit)

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

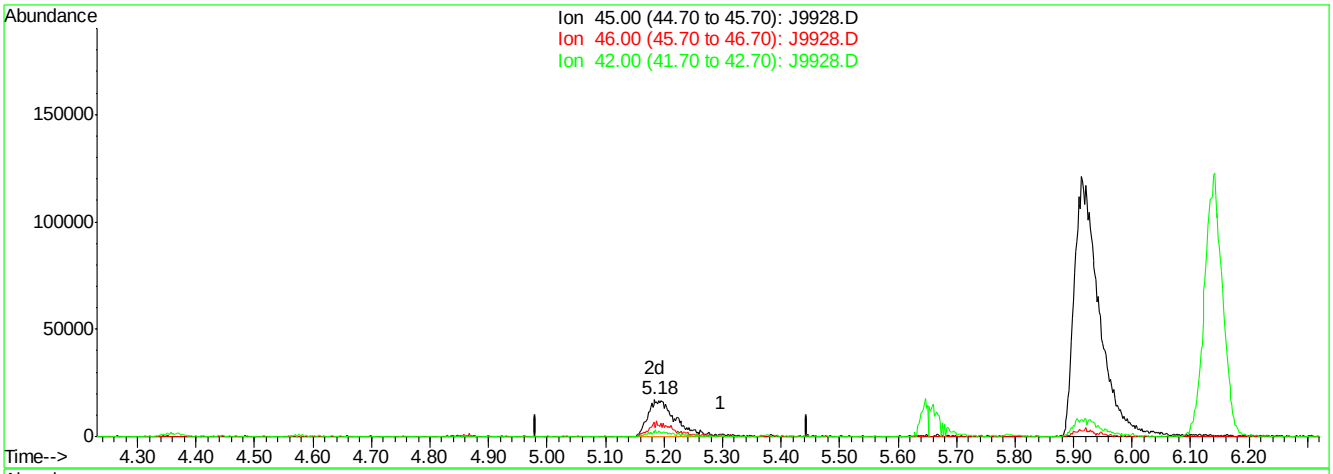
J9928.D J040407T.M Thu Apr 05 13:47:05 2007

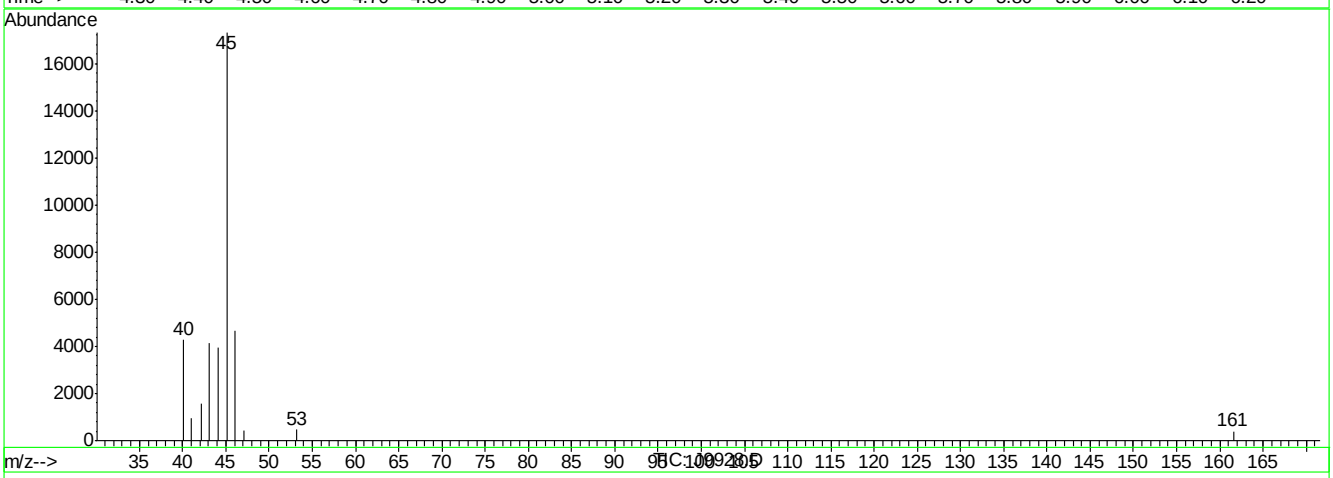
Quantitation Report (Qedit)

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

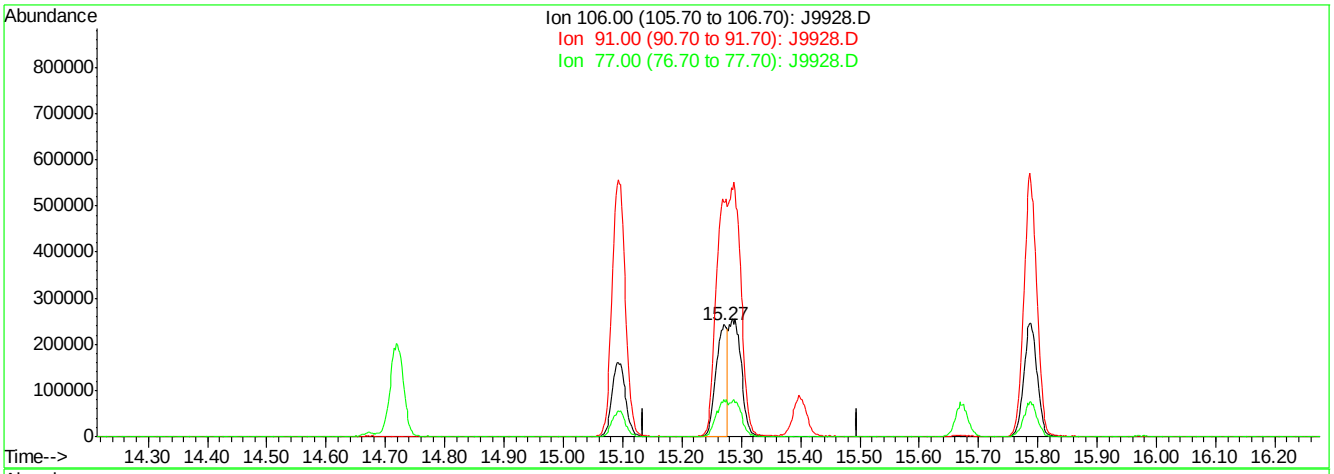
J9928.D J040407T.M Thu Apr 05 13:47:09 2007

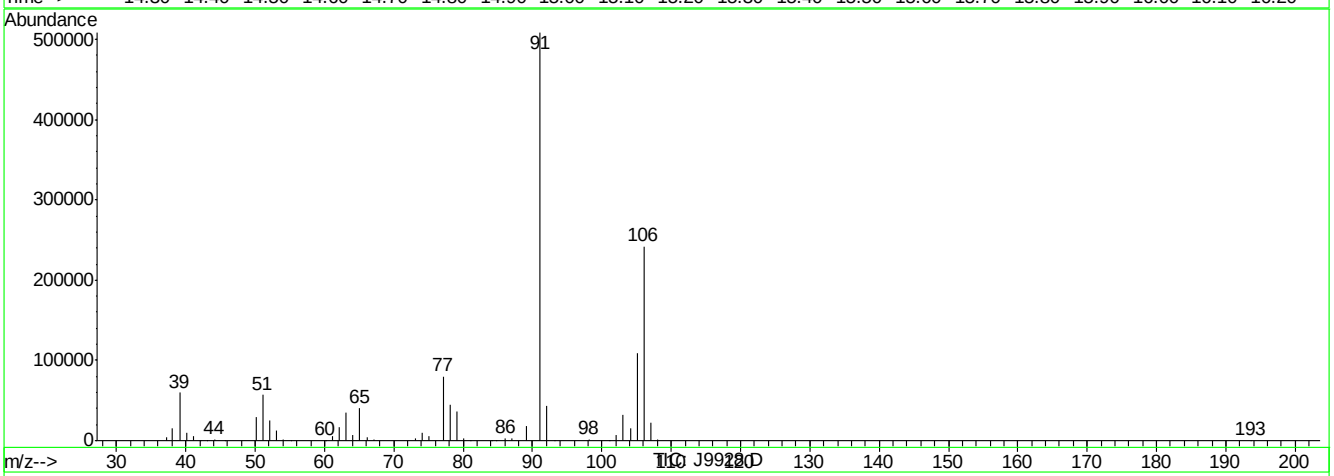
Quantitation Report (Qedit)

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

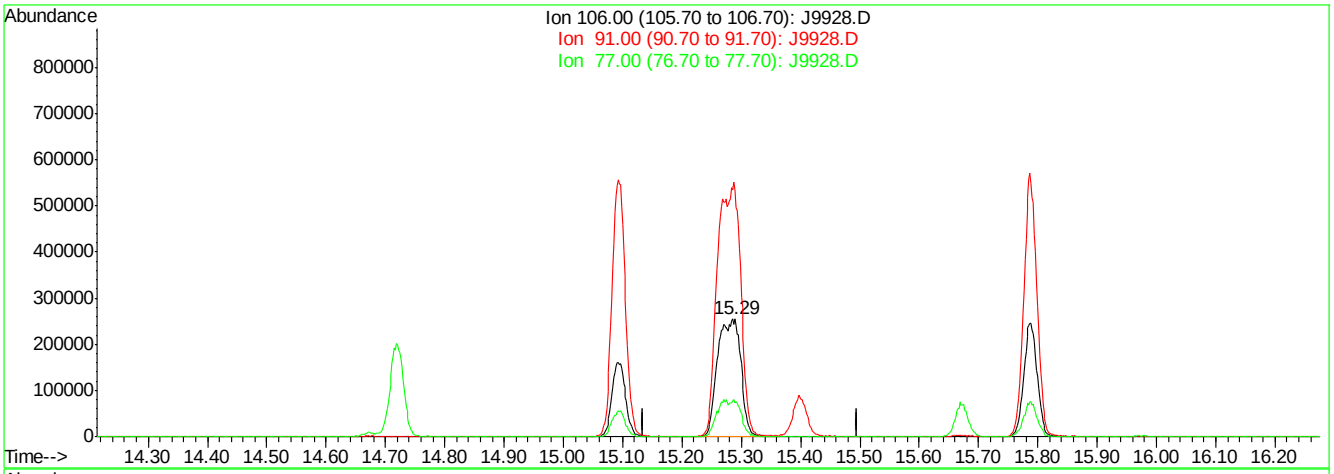
J9928.D J040407T.M Thu Apr 05 13:47:33 2007

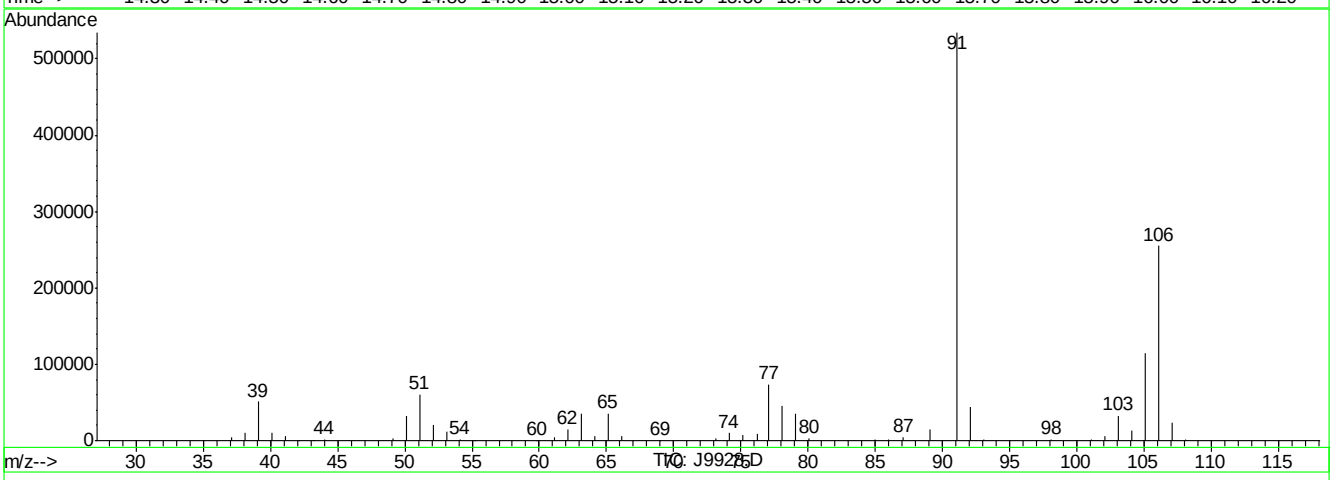
Quantitation Report (Qedit)

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

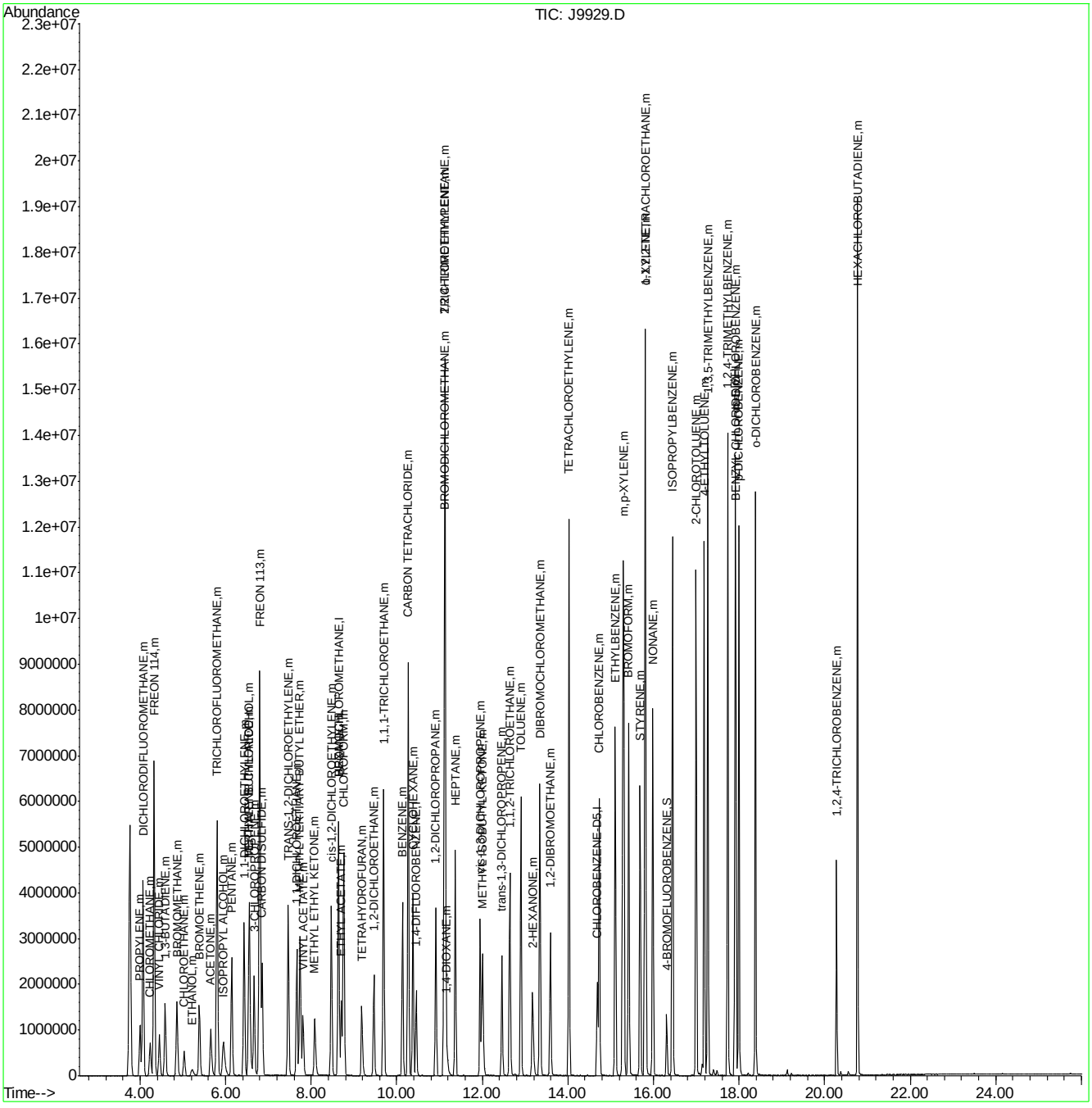
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	2403351	43.62	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.95	75	1676101	44.16	PPBV	89
46) TOLUENE	12.90	92	2410137	47.08	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.46	75	1461379	45.62	PPBV	90
48) 1,1,2-TRICHLOROETHANE	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



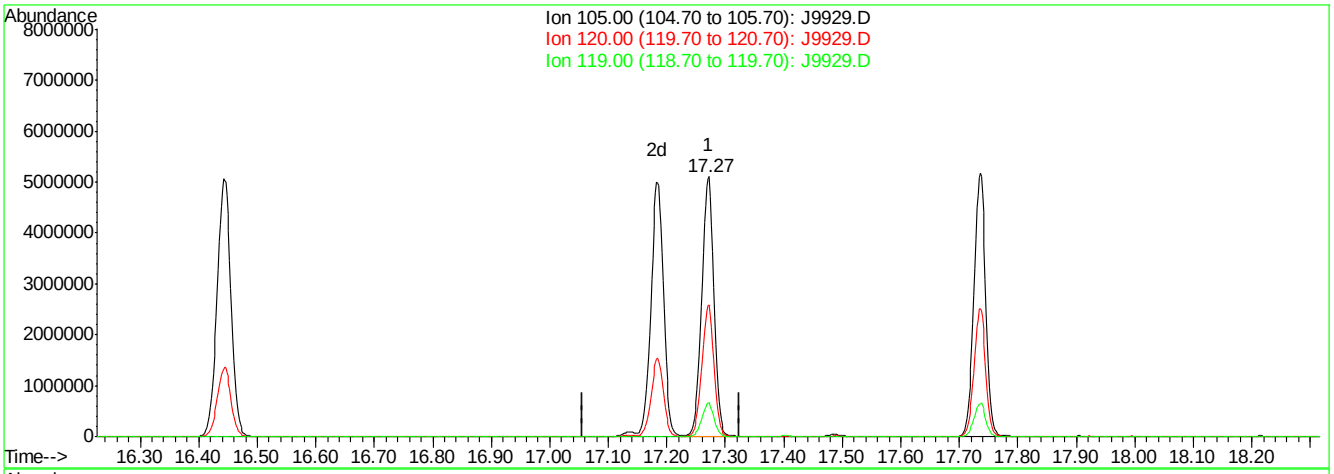
ACCUTEST Laboratories M63693R

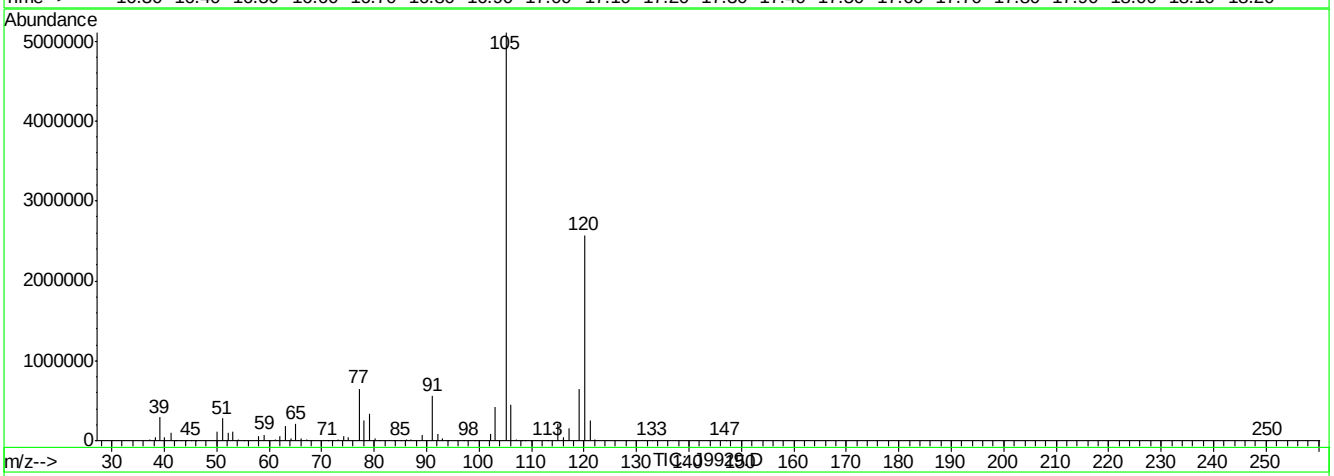
Quantitation Report (Qedit)

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

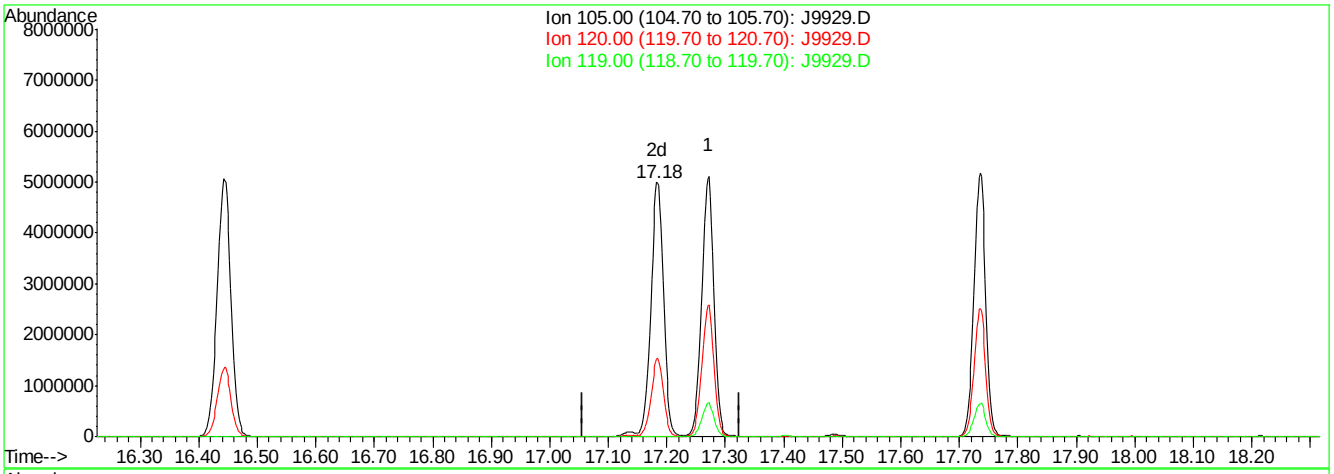
J9929.D J040407T.M Thu Apr 05 13:43:37 2007

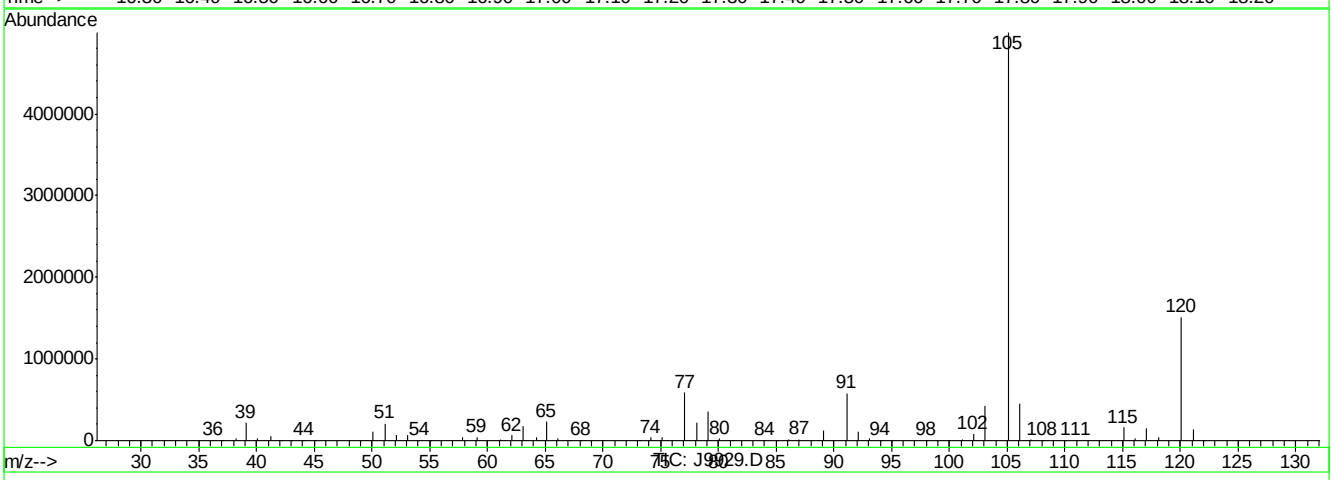
Quantitation Report (Qedit)

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

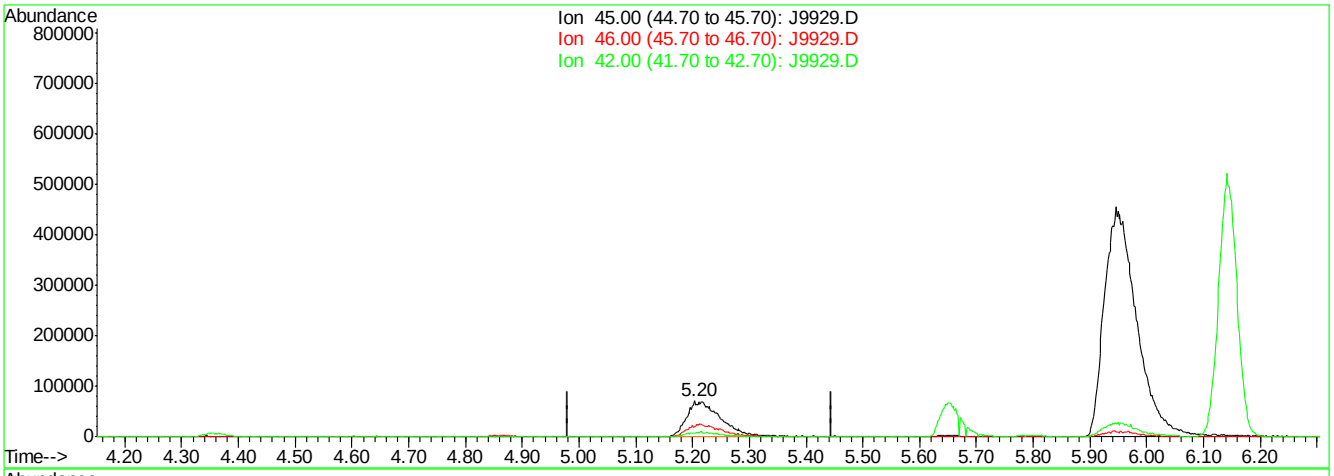
J9929.D J040407T.M Thu Apr 05 13:43:45 2007

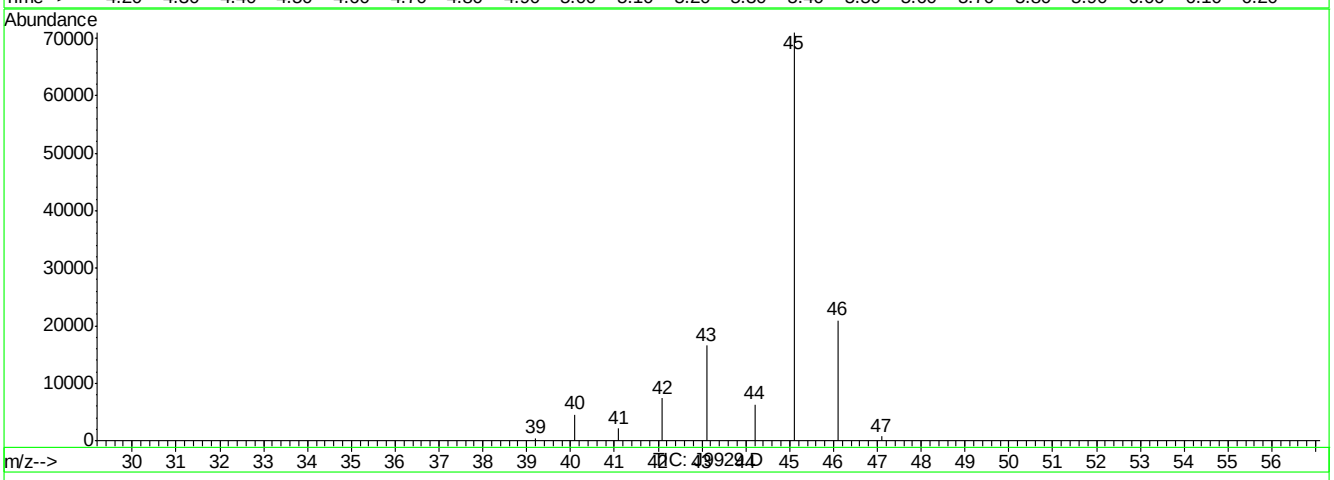
Quantitation Report (Qedit)

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

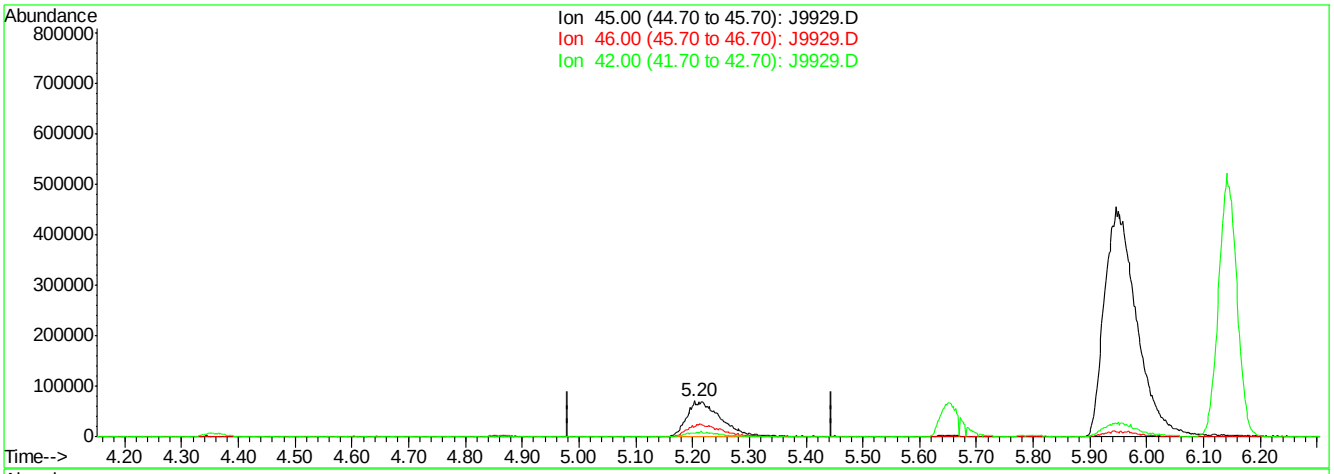
J9929.D J040507T.M Thu Apr 05 17:22:23 2007

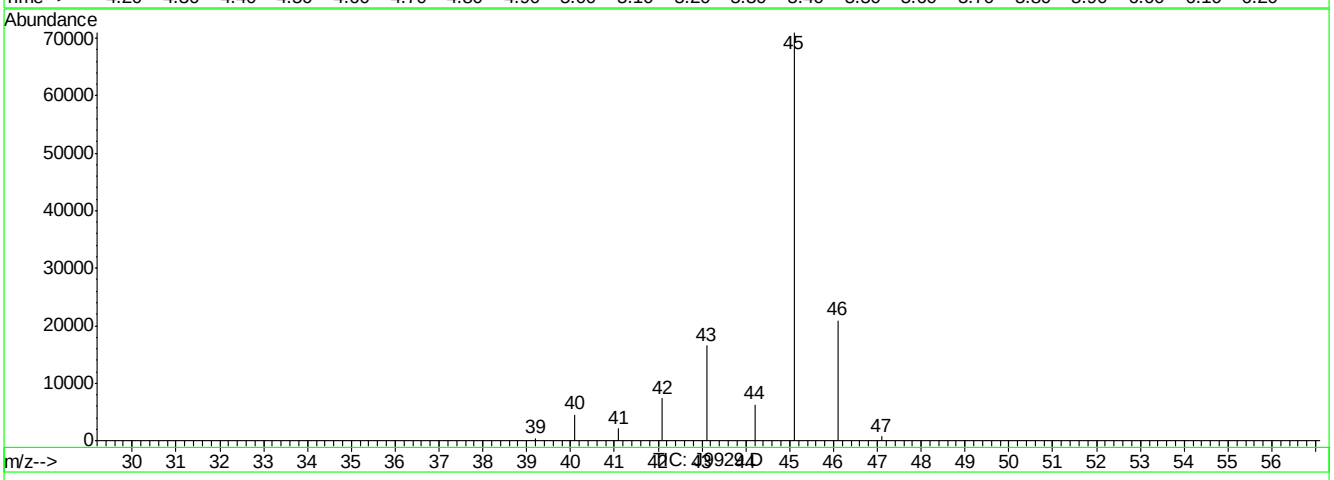
Quantitation Report (Qedit)

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

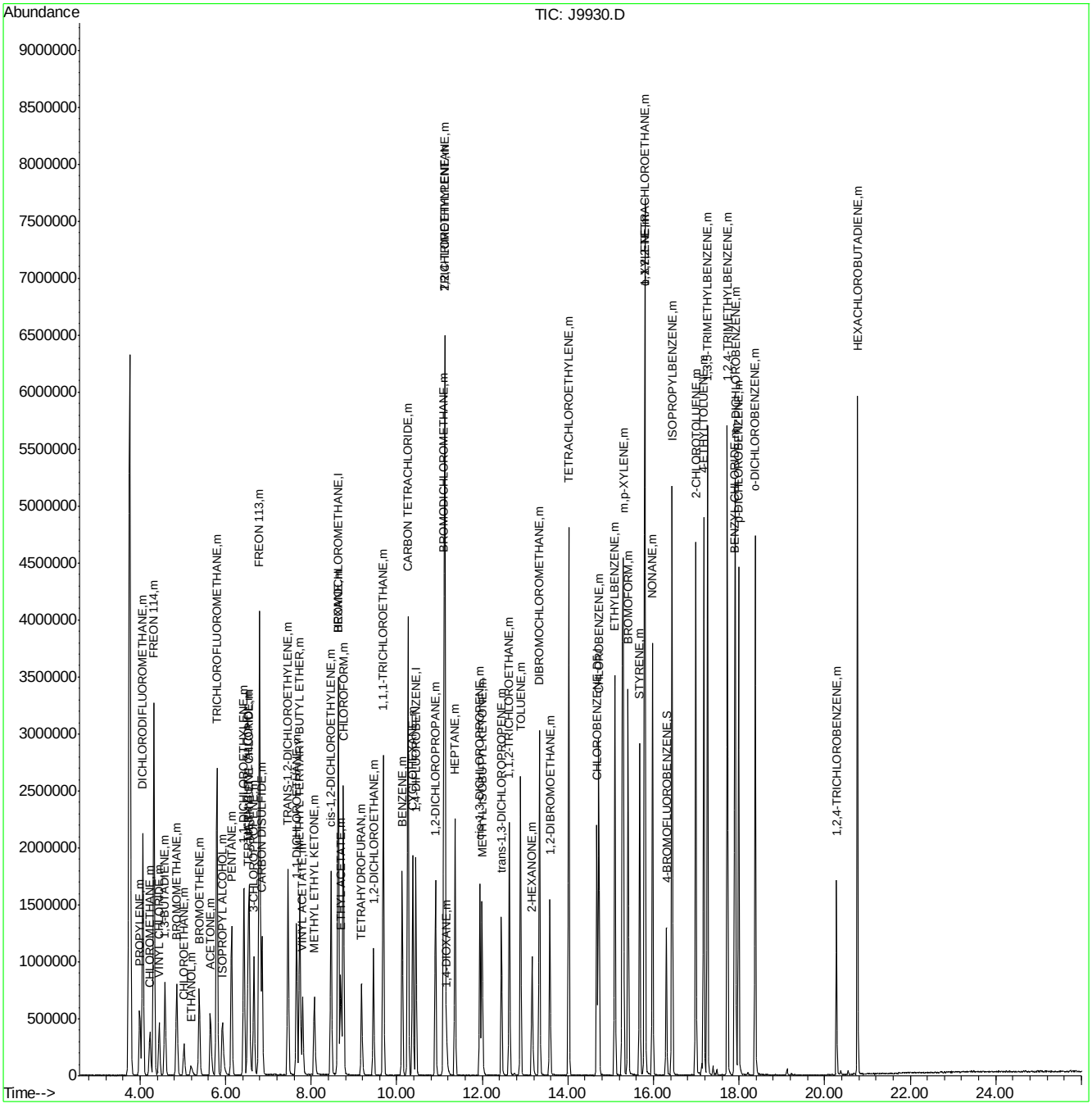
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	1156877	21.39 PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.94	75	775941	20.83 PPBV	89
46) TOLUENE	12.89	92	984030	19.58 PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.45	75	665963	21.18 PPBV	90
48) 1,1,2-TRICHLOROETHANE	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



ACCUTEST Laboratories M63693R

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

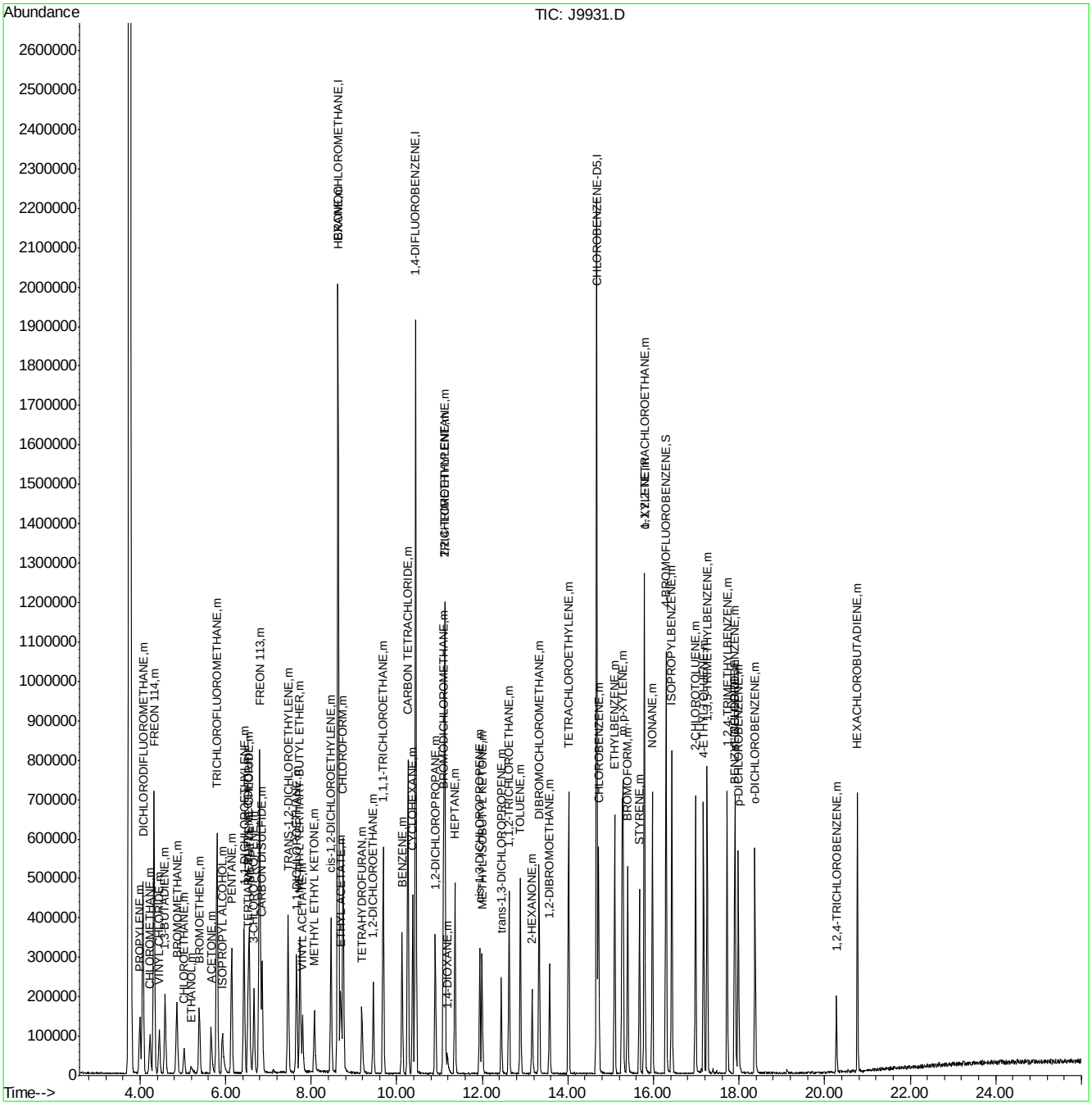
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	208520	3.94	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.94	75	136097	3.76	PPBV	87
46) TOLUENE	12.89	92	176179	3.69	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	108144	3.52	PPBV	86
48) 1,1,2-TRICHLOROETHANE	12.62	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



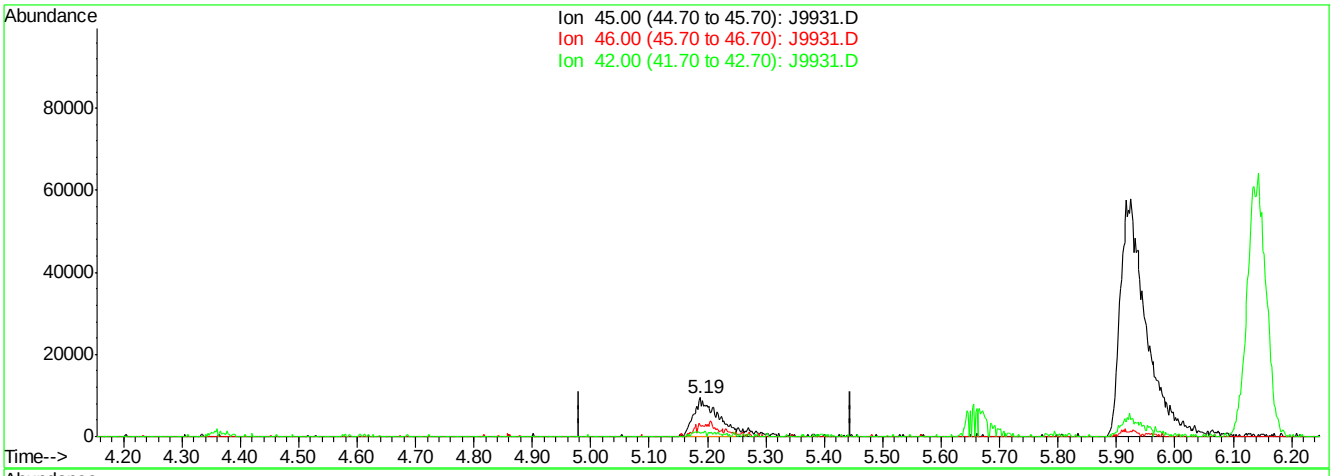
ACCUTEST Laboratories M63693R

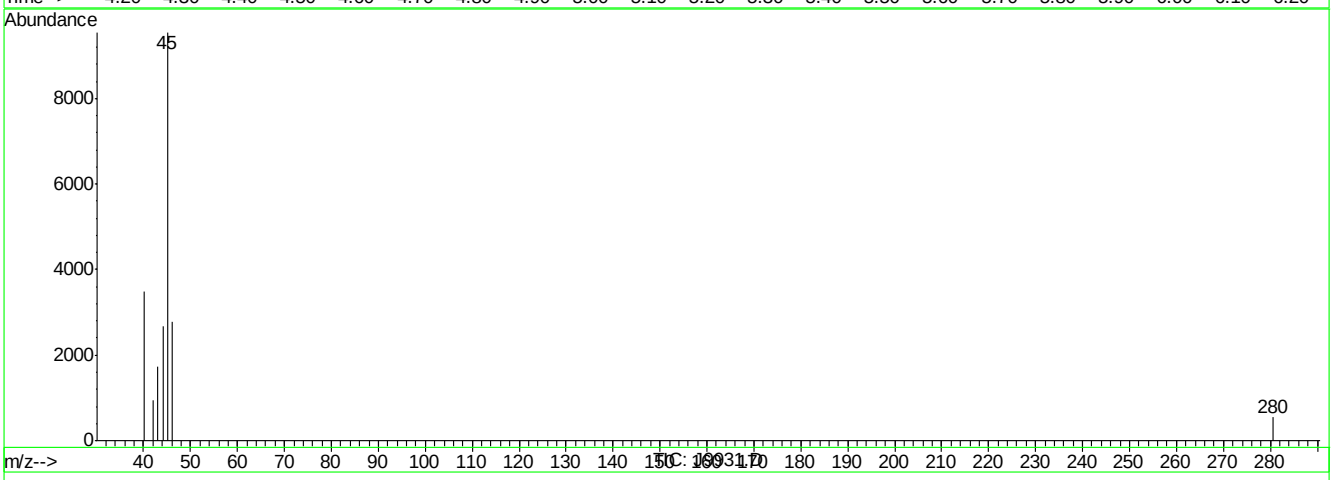
Quantitation Report (Qedit)

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

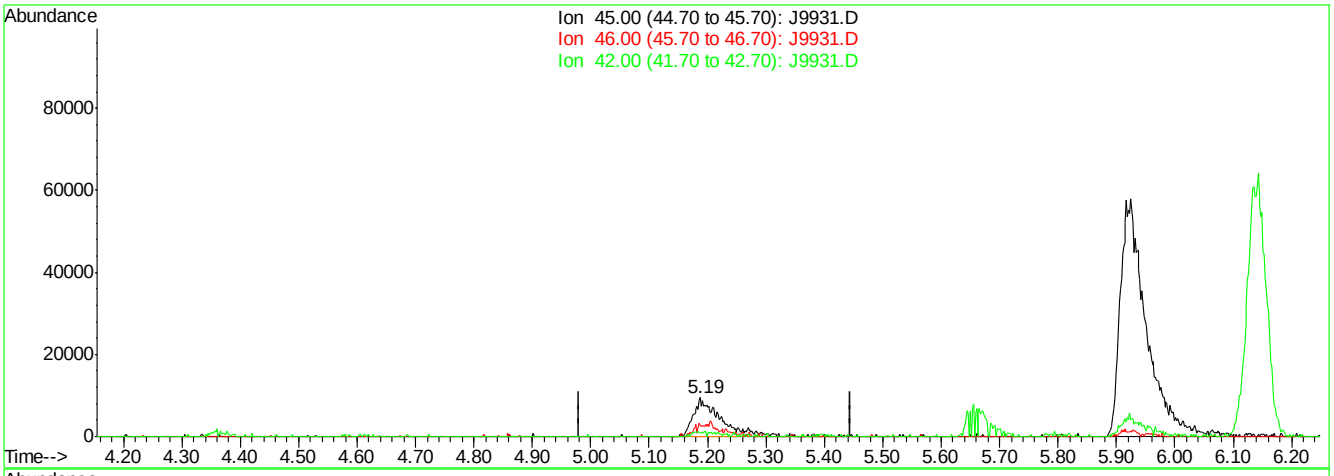
J9931.D J040407T.M Thu Apr 05 15:04:20 2007

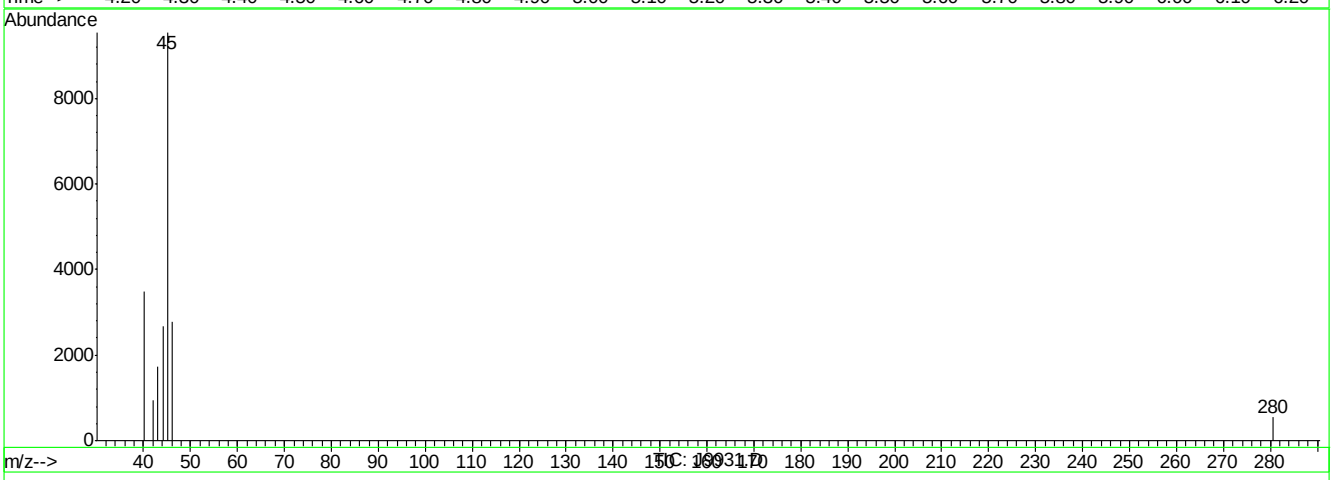
Quantitation Report (Qedit)

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

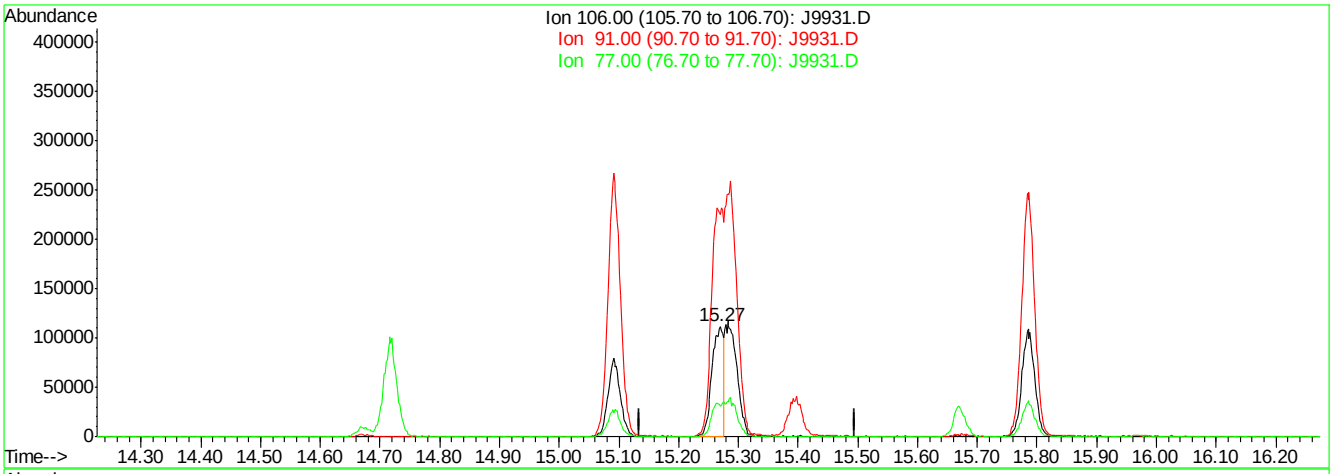
J9931.D J040407T.M Thu Apr 05 15:04:23 2007

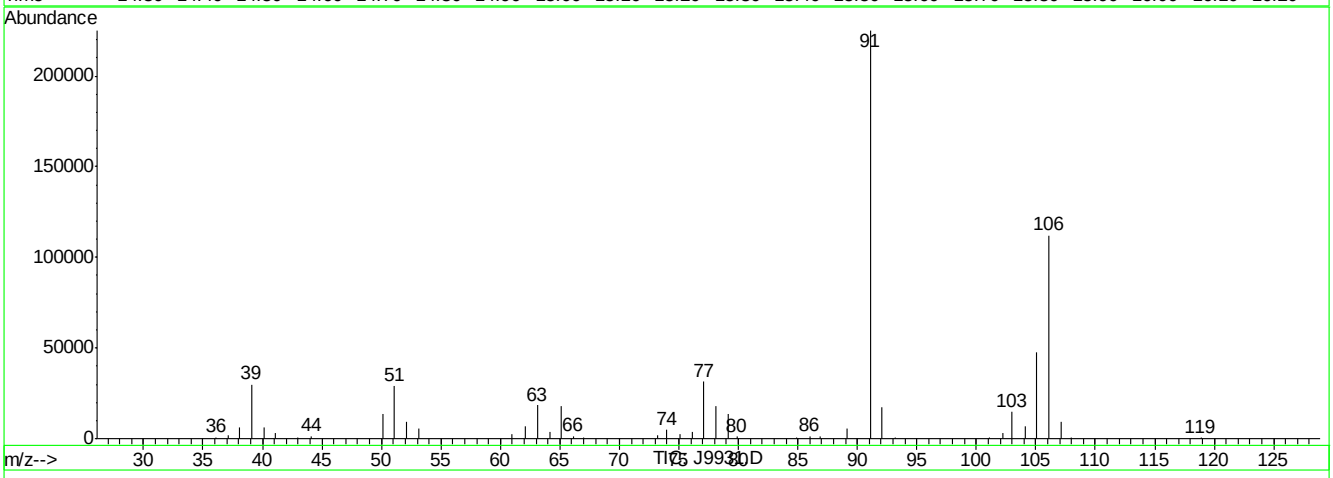
Quantitation Report (Qedit)

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

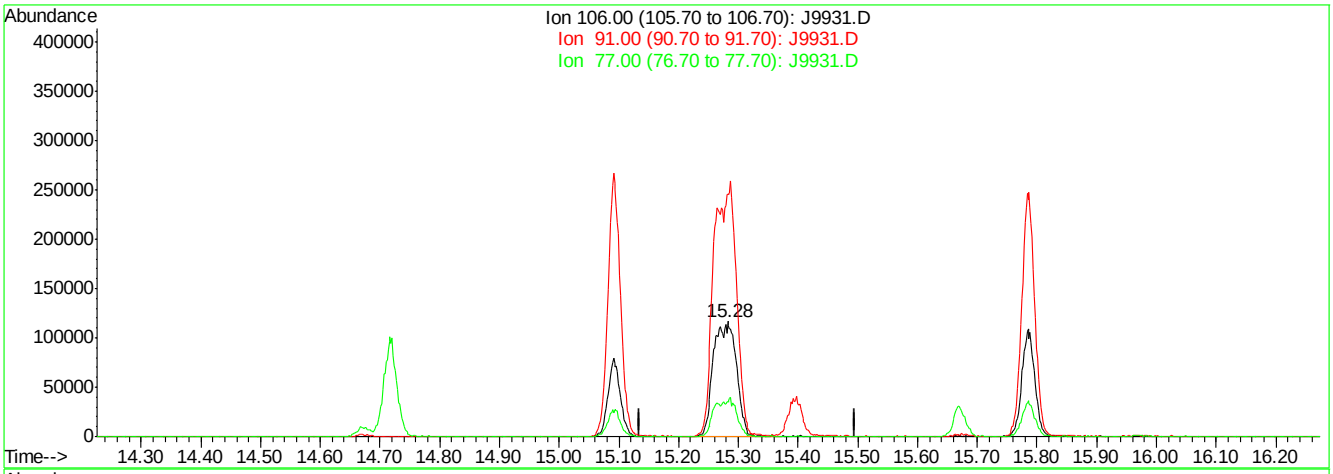
J9931.D J040407T.M Thu Apr 05 15:04:45 2007

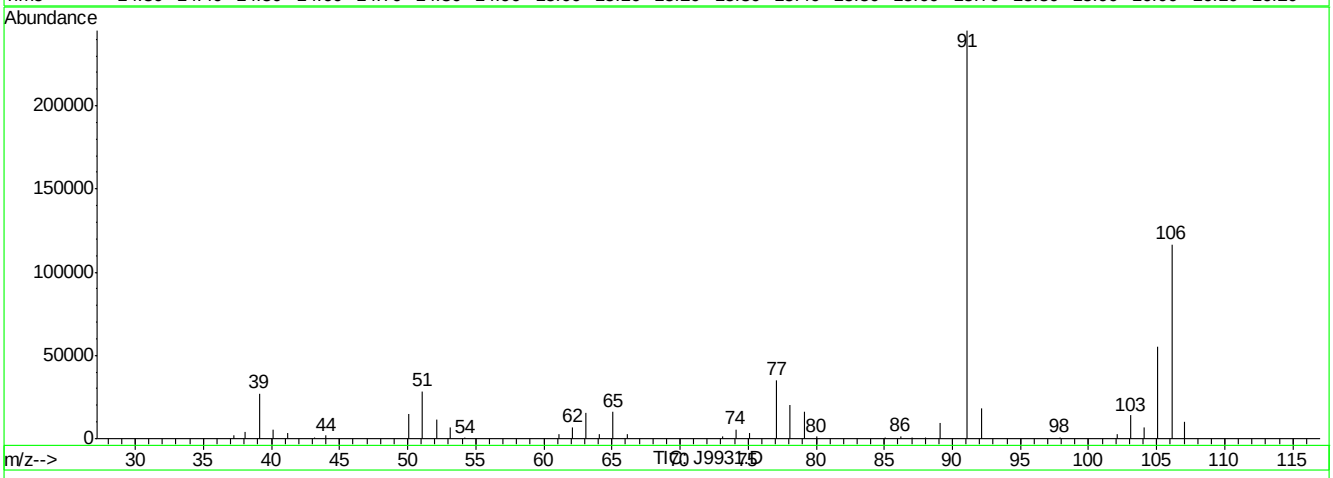
Quantitation Report (Qedit)

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

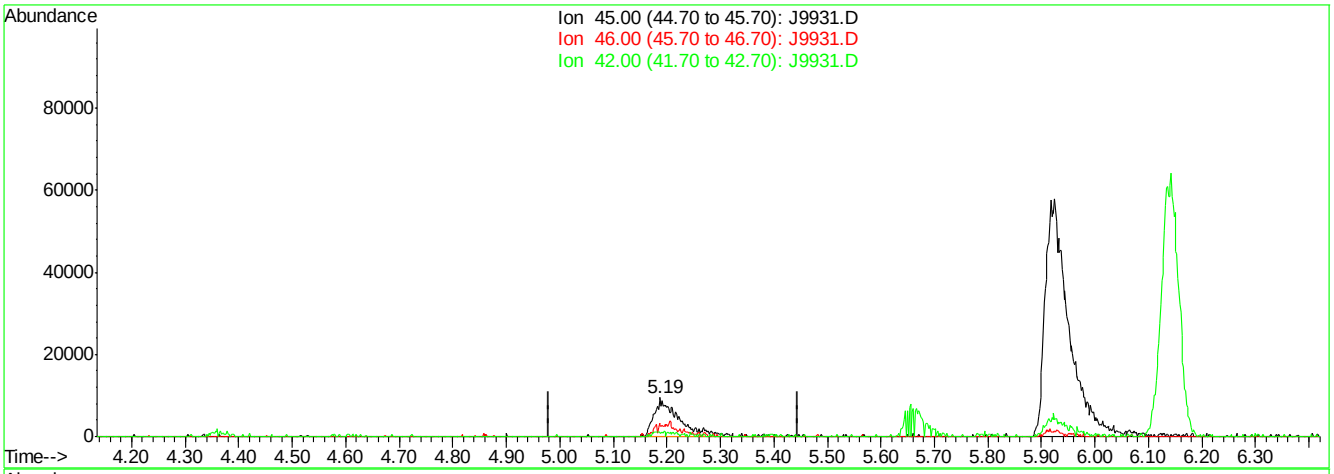
J9931.D J040407T.M Thu Apr 05 15:04:48 2007

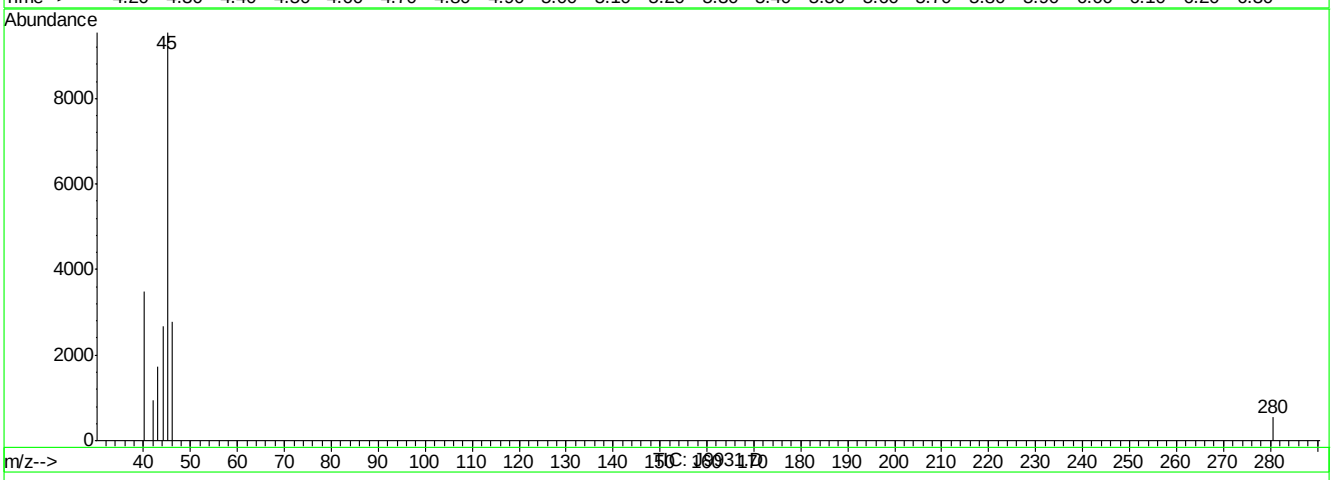
Quantitation Report (Qedit)

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

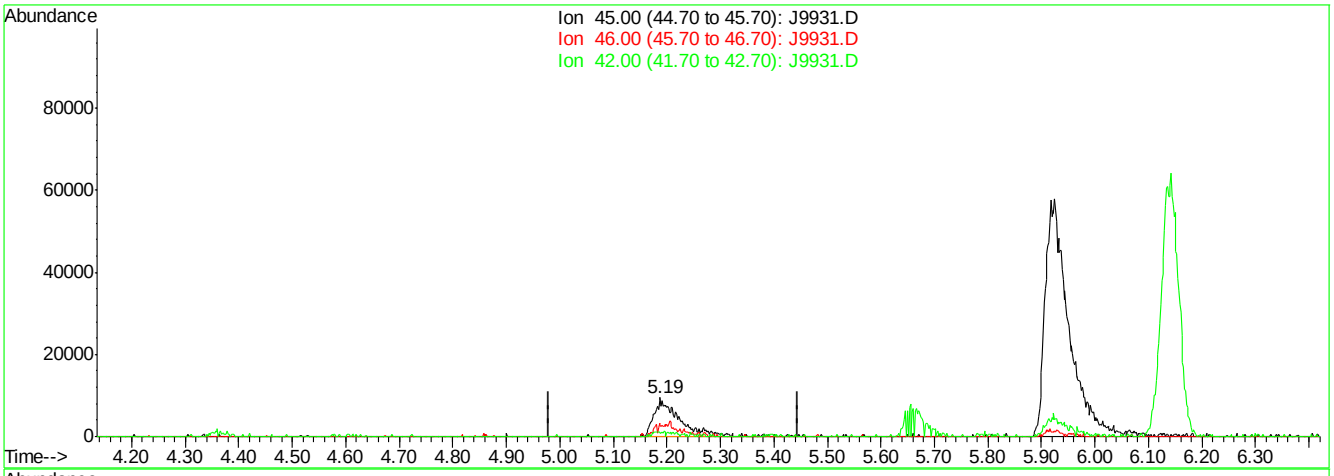
J9931.D J040507T.M Thu Apr 05 17:21:07 2007

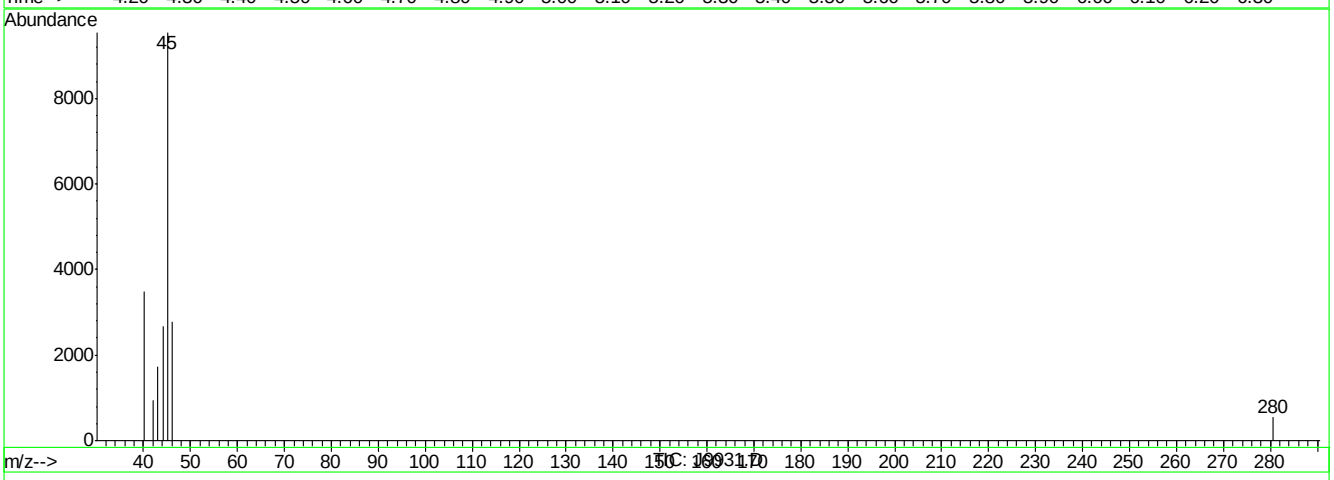
Quantitation Report (Qedit)

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

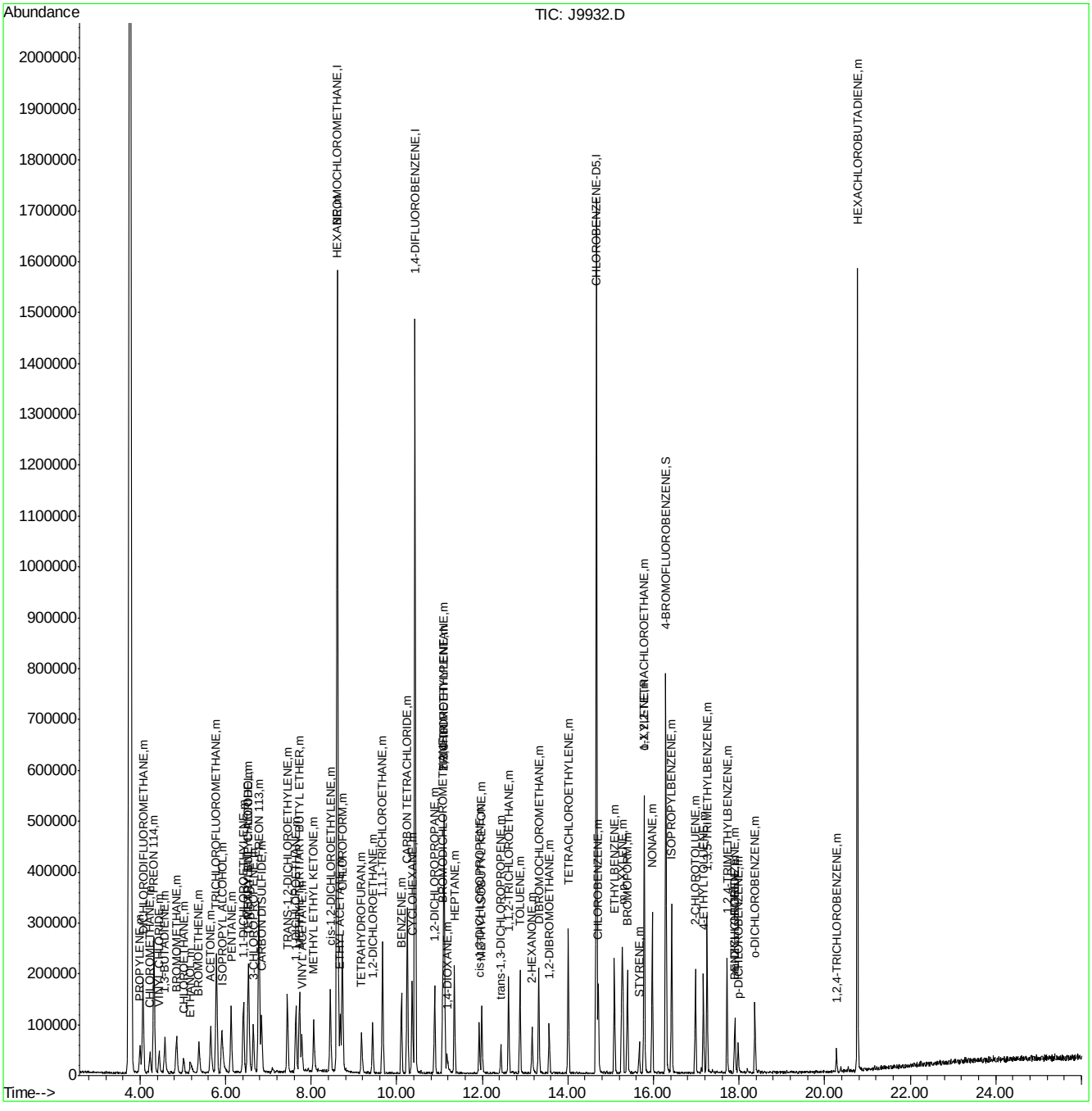
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	88268	2.31 PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.93	75	41724	1.61 PPBV	87
46) TOLUENE	12.88	92	68342	2.01 PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.43	75	25410	1.17 PPBV	83
48) 1,1,2-TRICHLOROETHANE	12.61	83	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



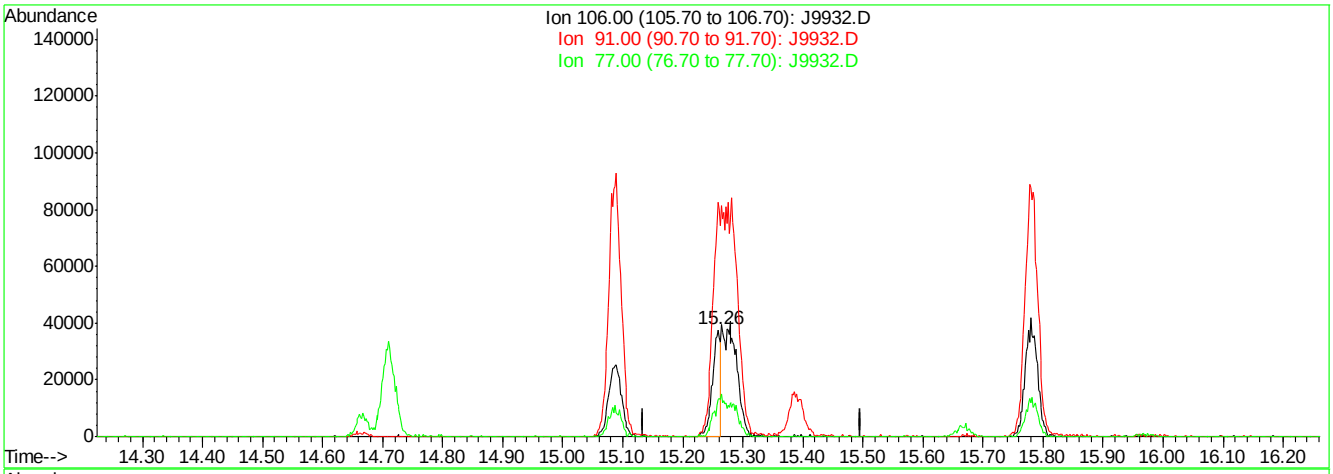
ACCUTEST Laboratories M63693R

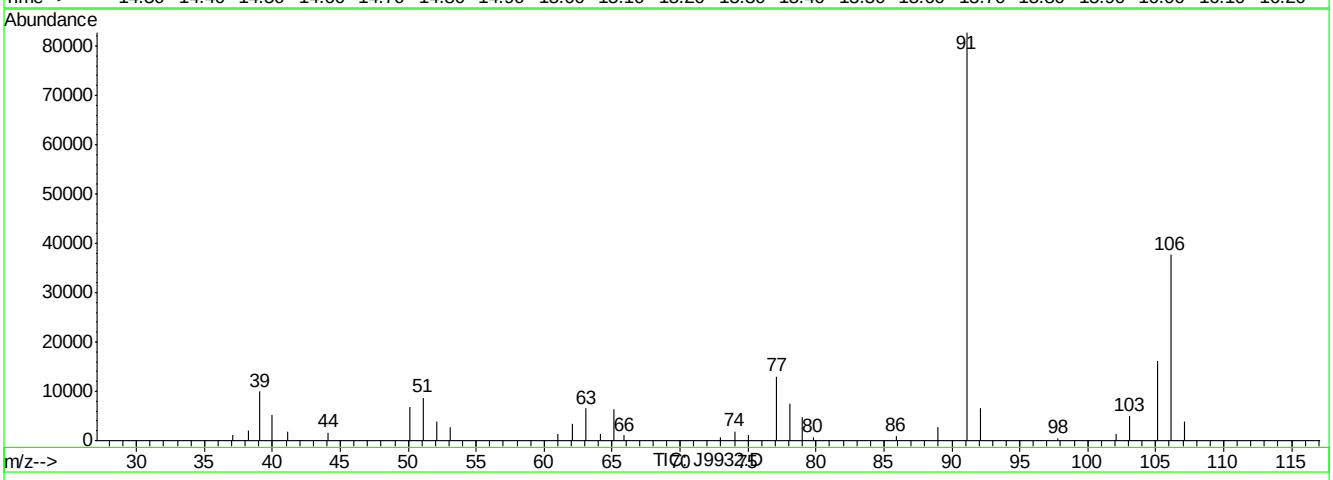
Quantitation Report (Qedit)

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

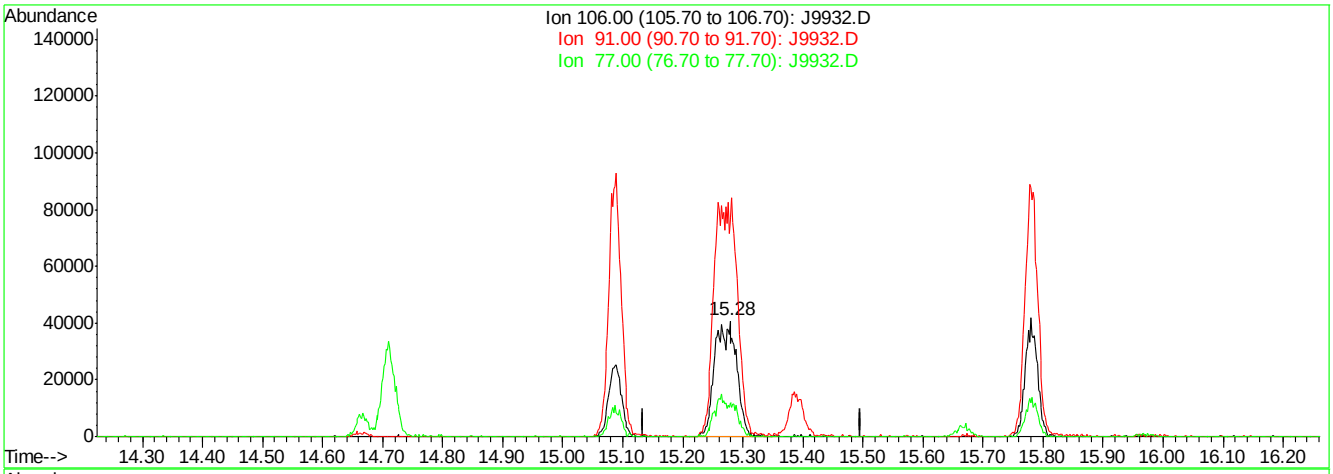
J9932.D J040407T.M Thu Apr 05 15:53:08 2007

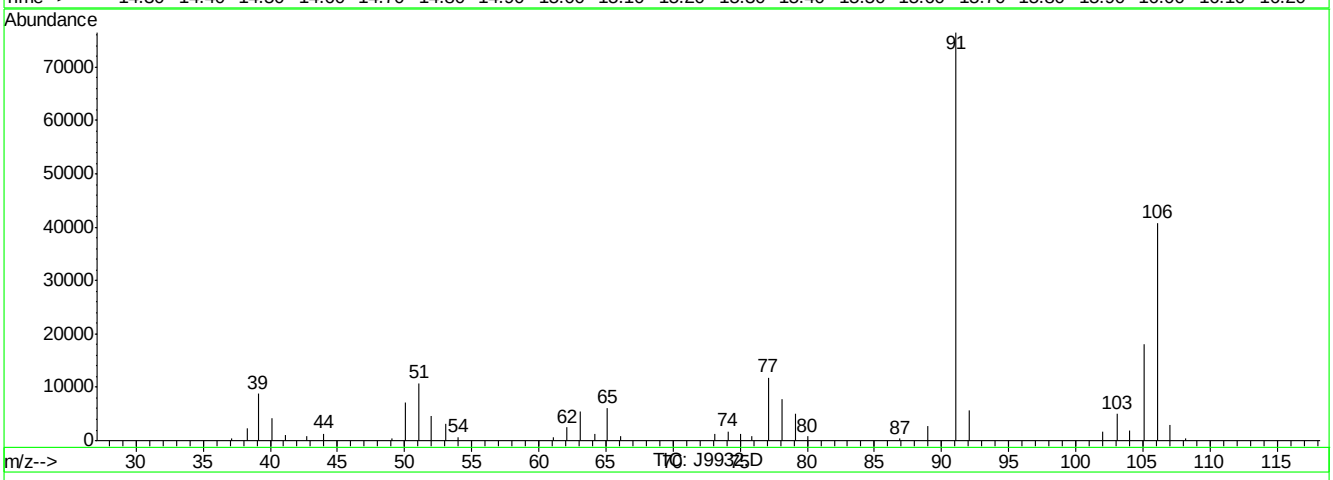
Quantitation Report (Qedit)

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

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

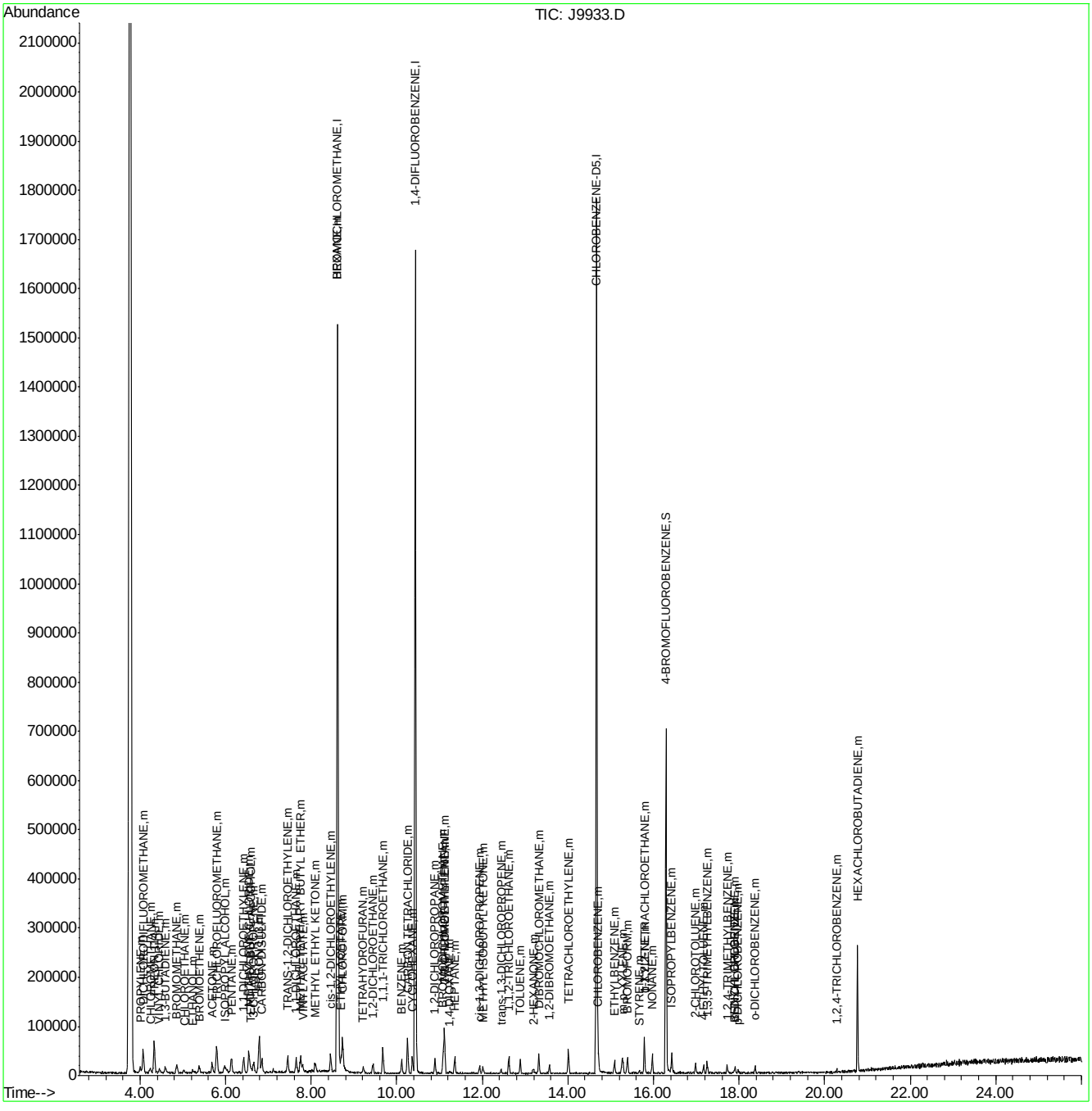
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	10816m	0.25	PPBV	
45) cis-1,3-DICHLOROPROPENE	11.93	75	6360	0.23	PPBV #	44
46) TOLUENE	12.89	92	10205	0.27	PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.44	75	3675	0.17	PPBV #	79
48) 1,1,2-TRICHLOROETHANE	12.62	83	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

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

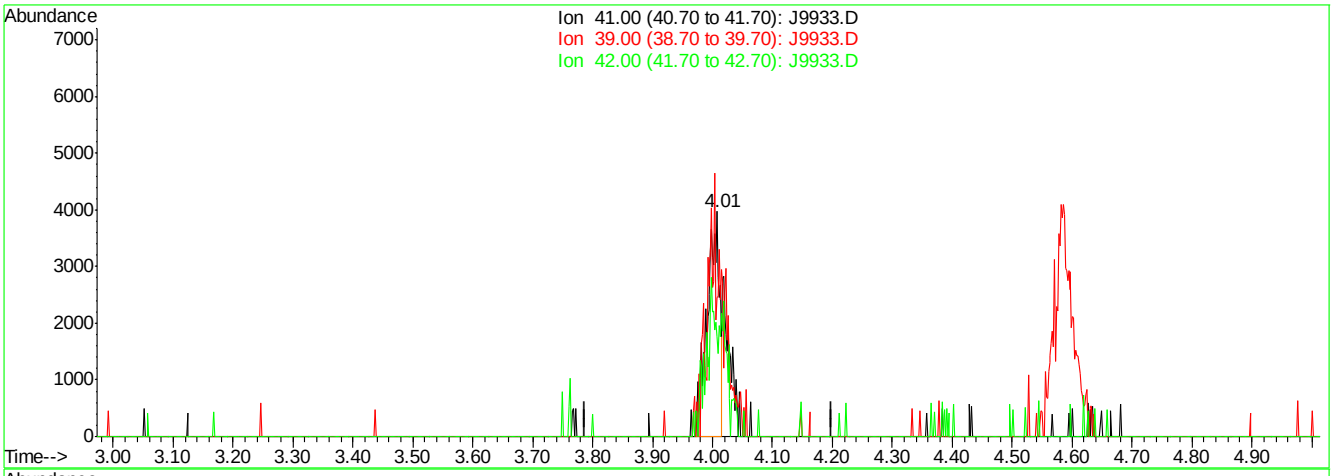


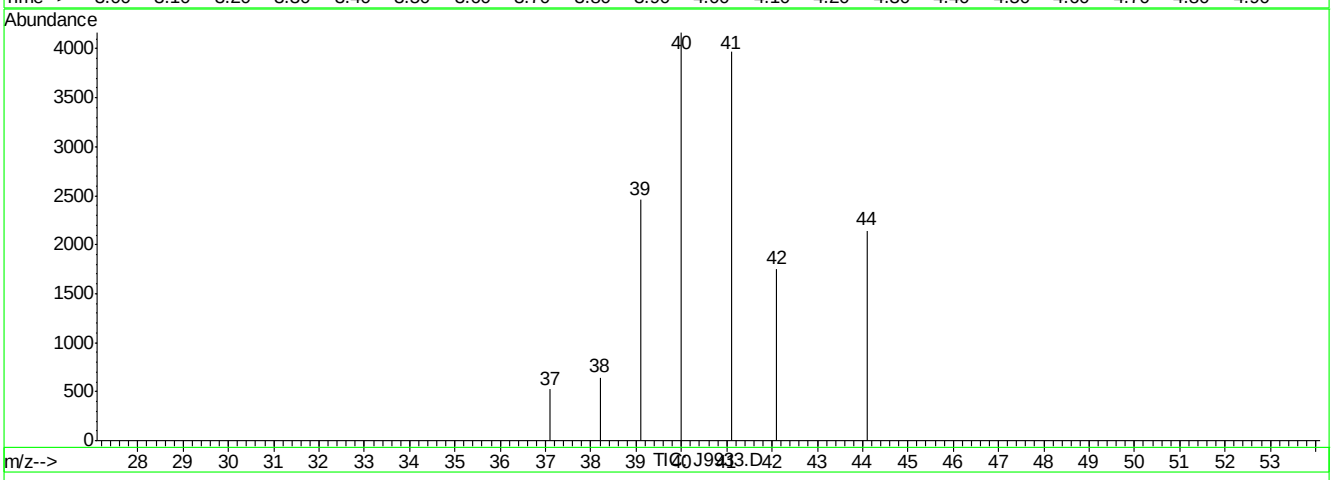
Quantitation Report (Qedit)

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

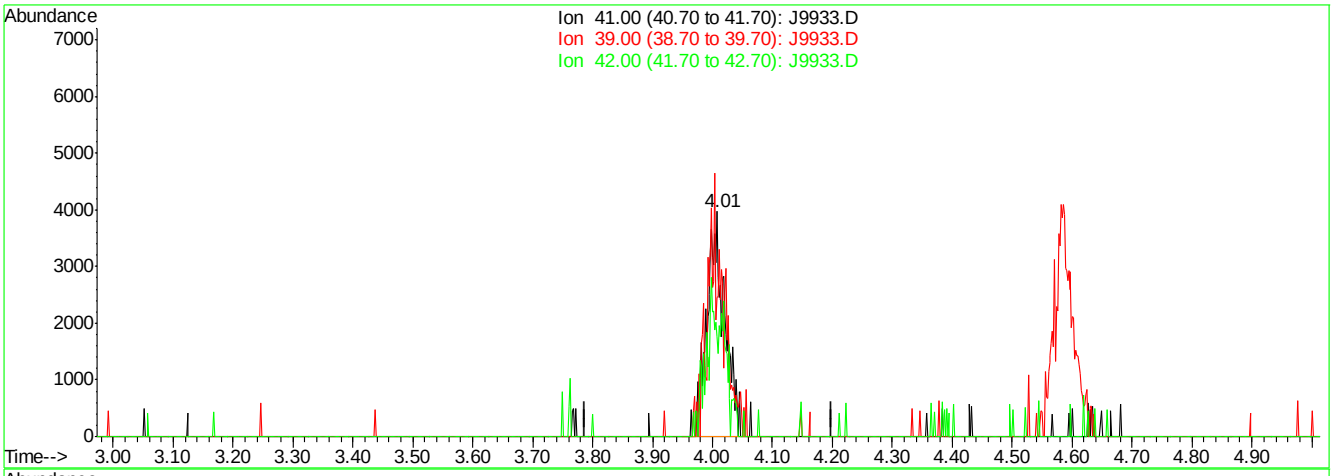
J9933.D J040407T.M Thu Apr 05 16:36:01 2007

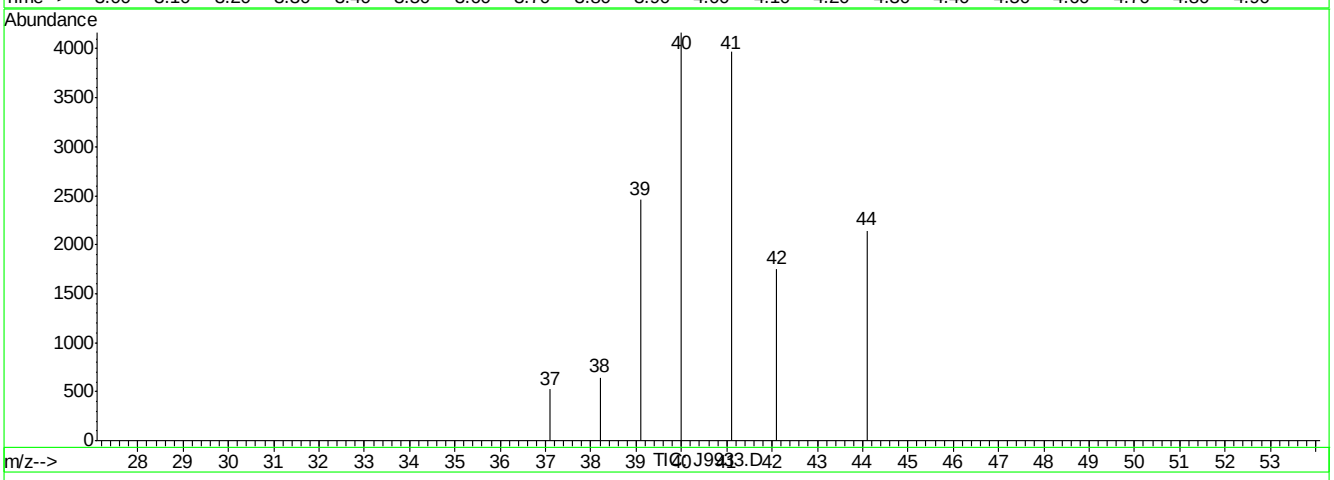
Quantitation Report (Qedit)

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

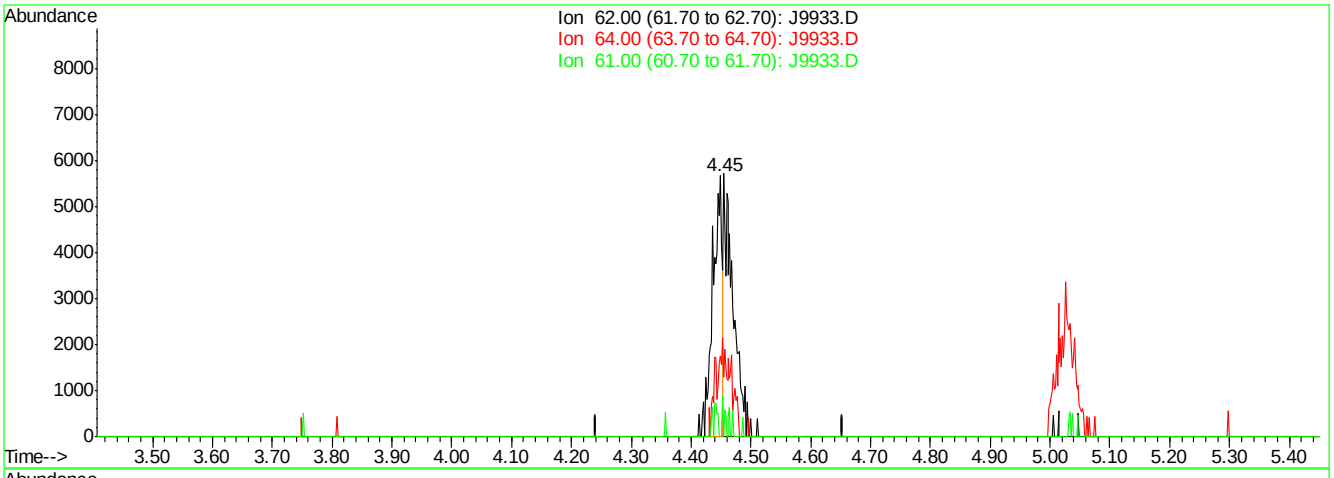
J9933.D J040407T.M Thu Apr 05 16:36:05 2007

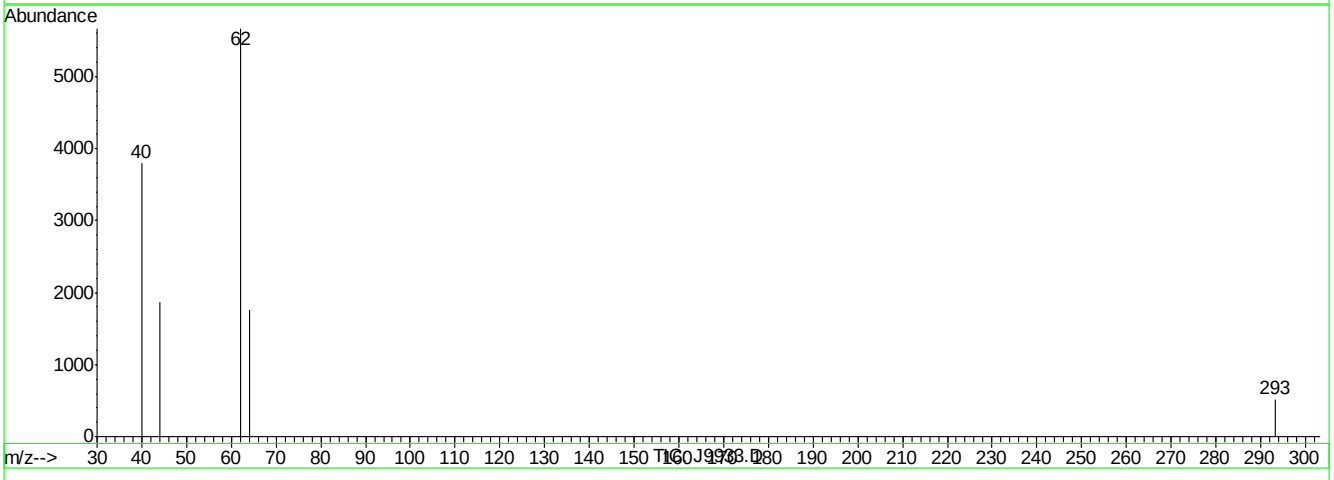
Quantitation Report (Qedit)

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

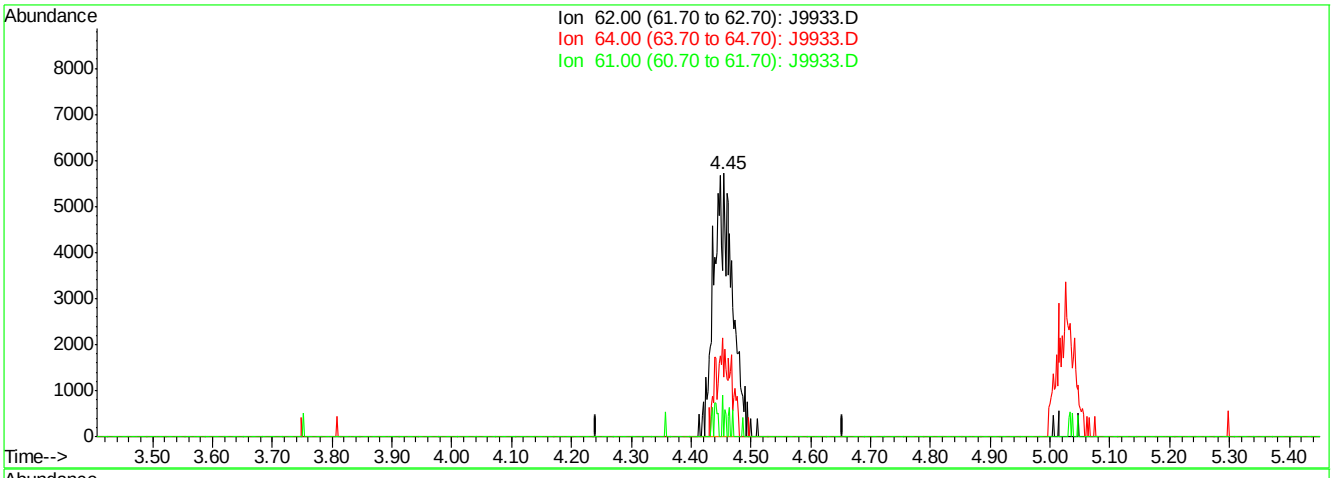
J9933.D J040407T.M Thu Apr 05 16:36:09 2007

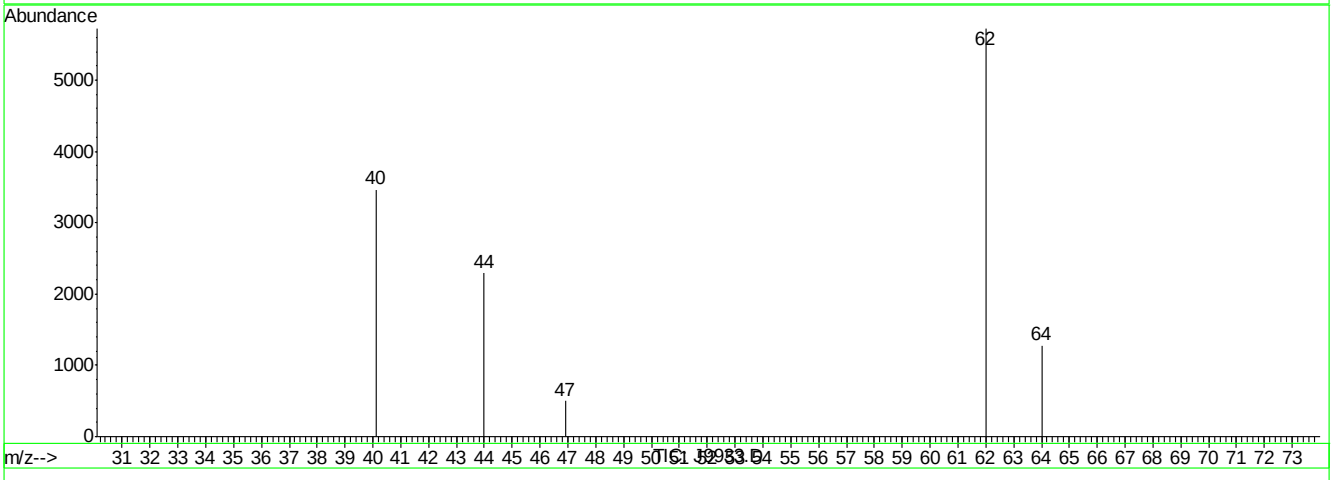
Quantitation Report (Qedit)

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

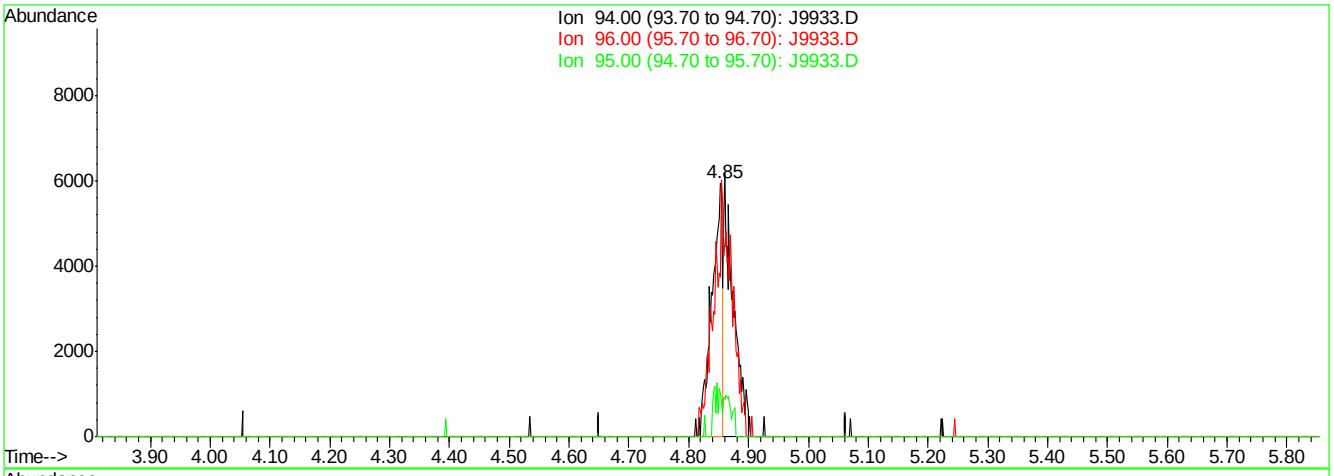
J9933.D J040407T.M Thu Apr 05 16:36:14 2007

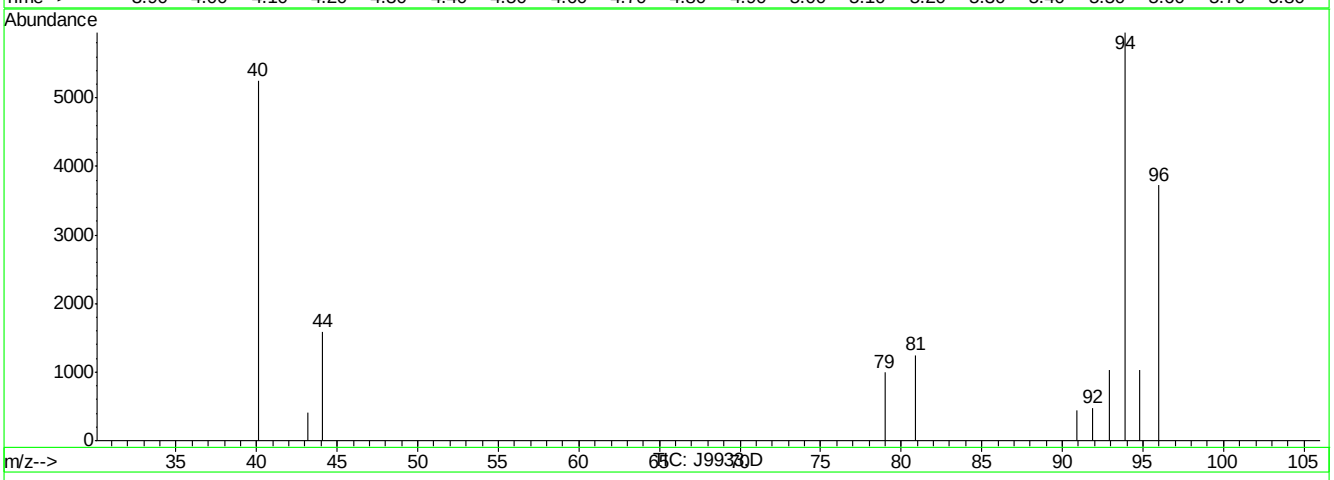
Quantitation Report (Qedit)

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

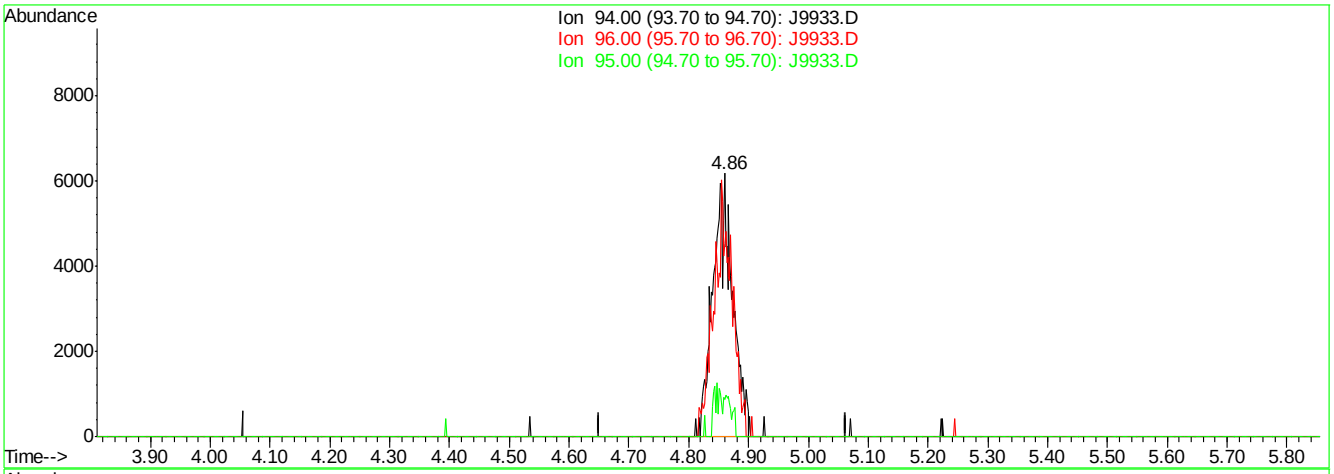
J9933.D J040407T.M Thu Apr 05 16:36:19 2007

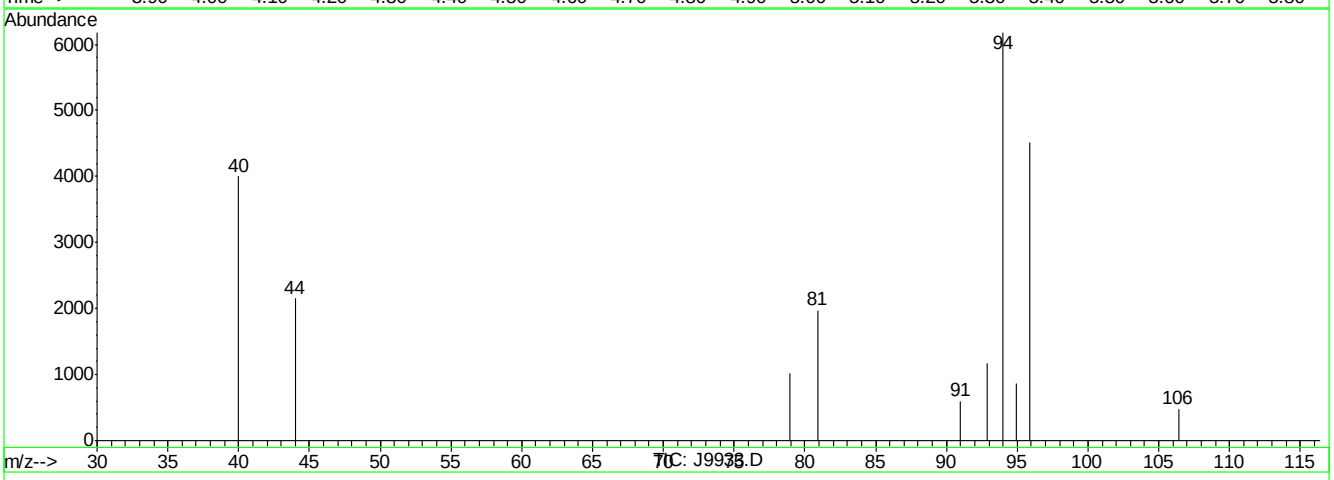
Quantitation Report (Qedit)

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

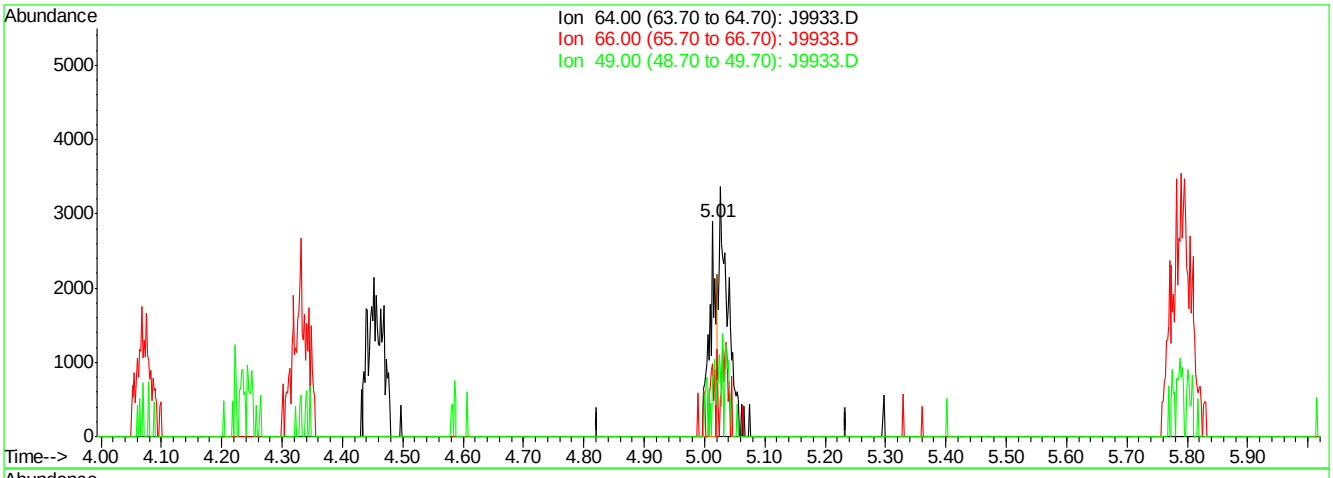
J9933.D J040407T.M Thu Apr 05 16:36:22 2007

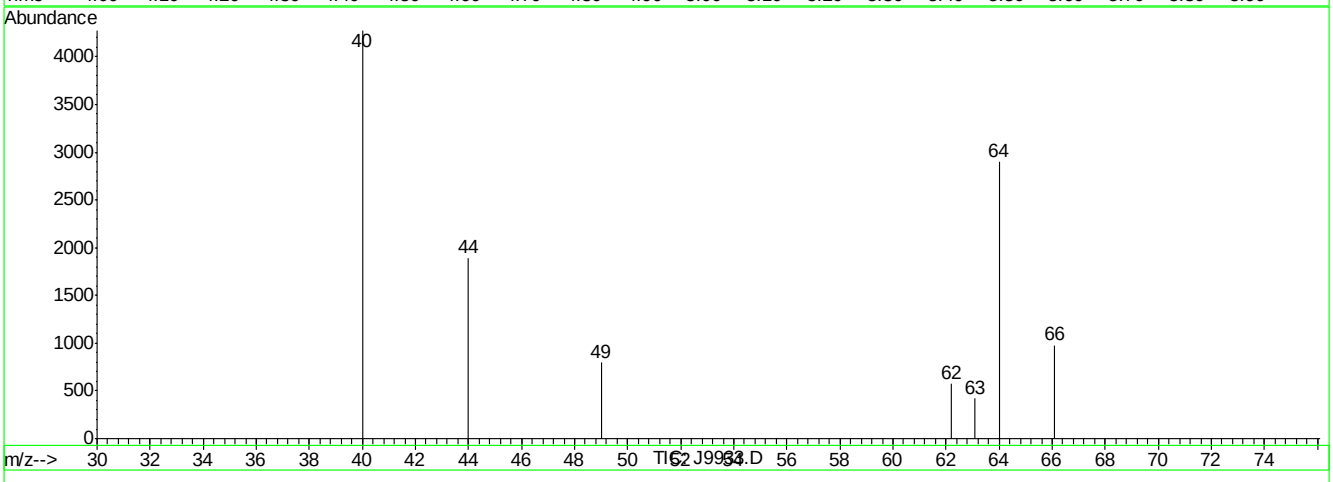
Quantitation Report (Qedit)

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

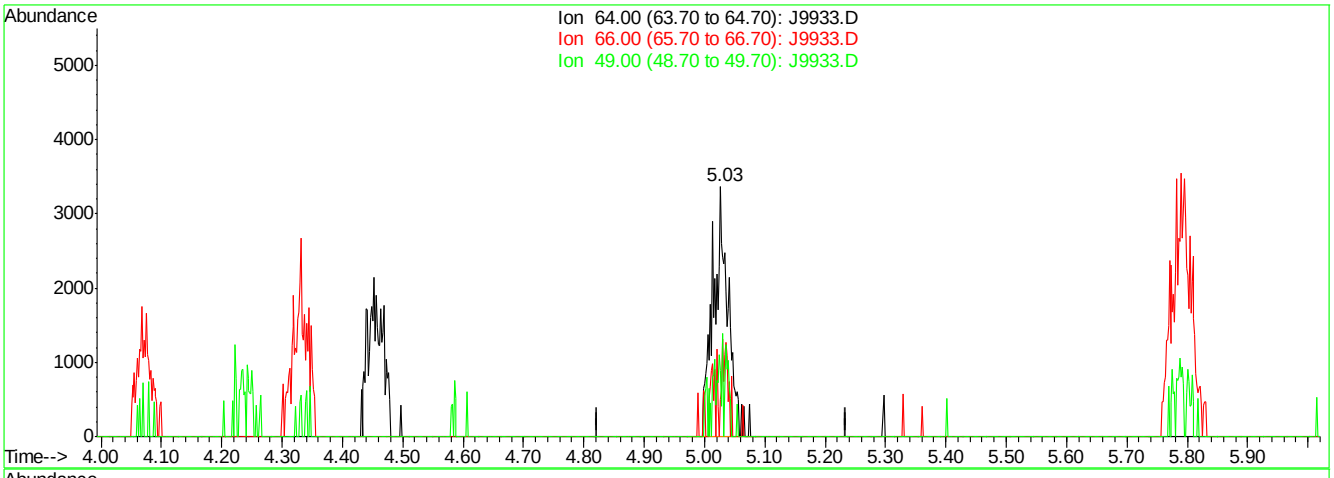
J9933.D J040407T.M Thu Apr 05 16:36:25 2007

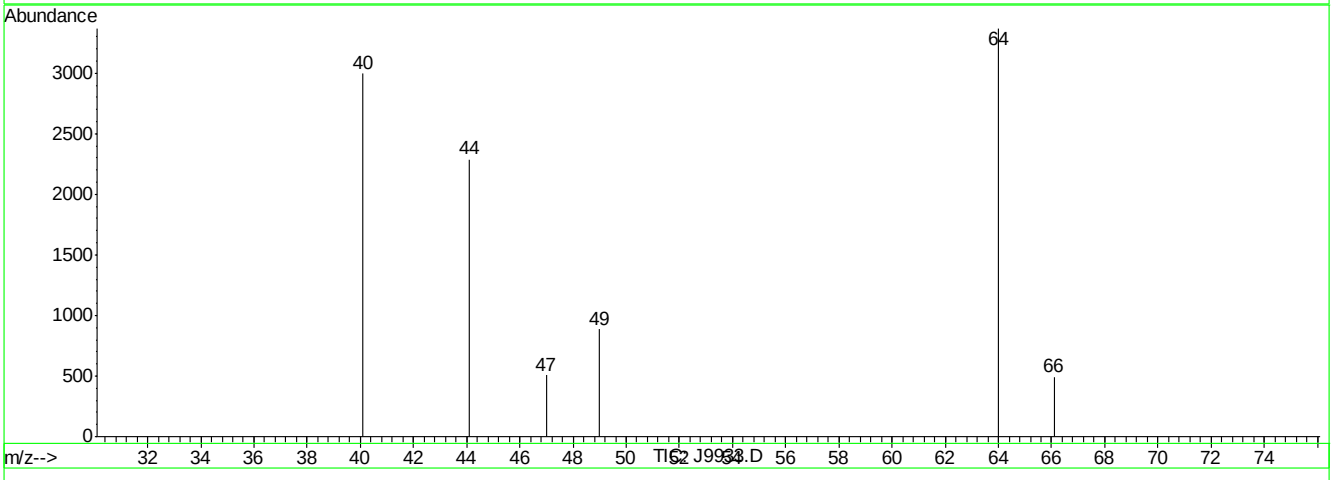
Quantitation Report (Qedit)

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

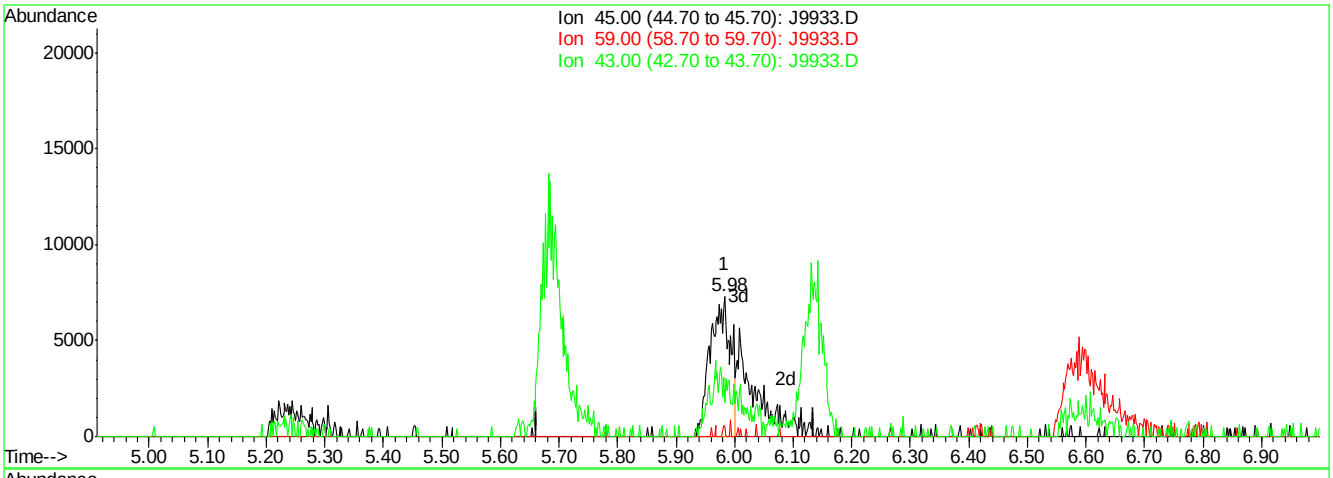
J9933.D J040407T.M Thu Apr 05 16:36:29 2007

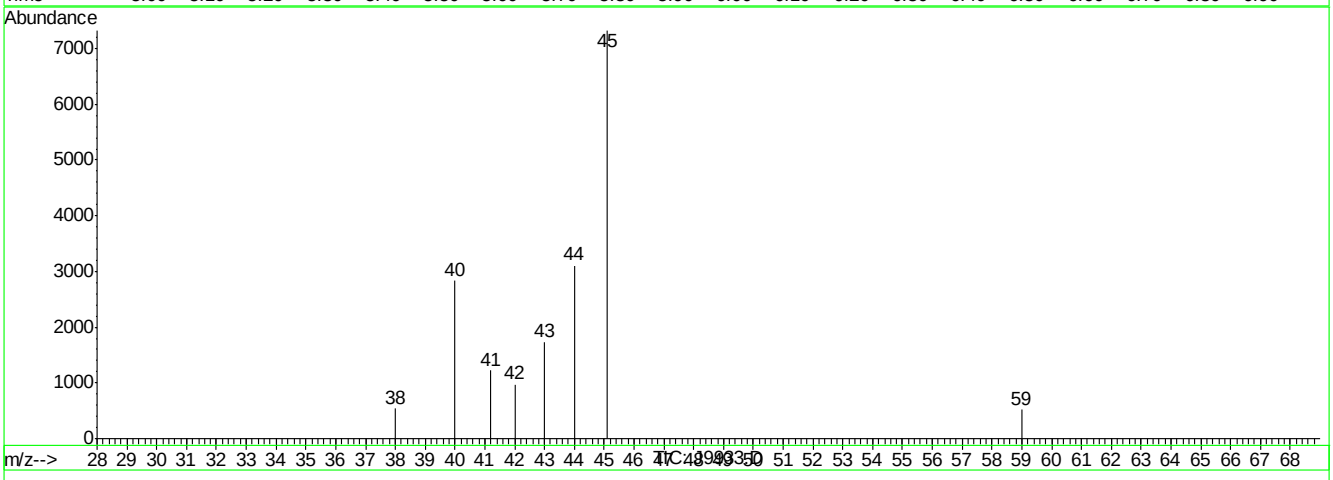
Quantitation Report (Qedit)

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

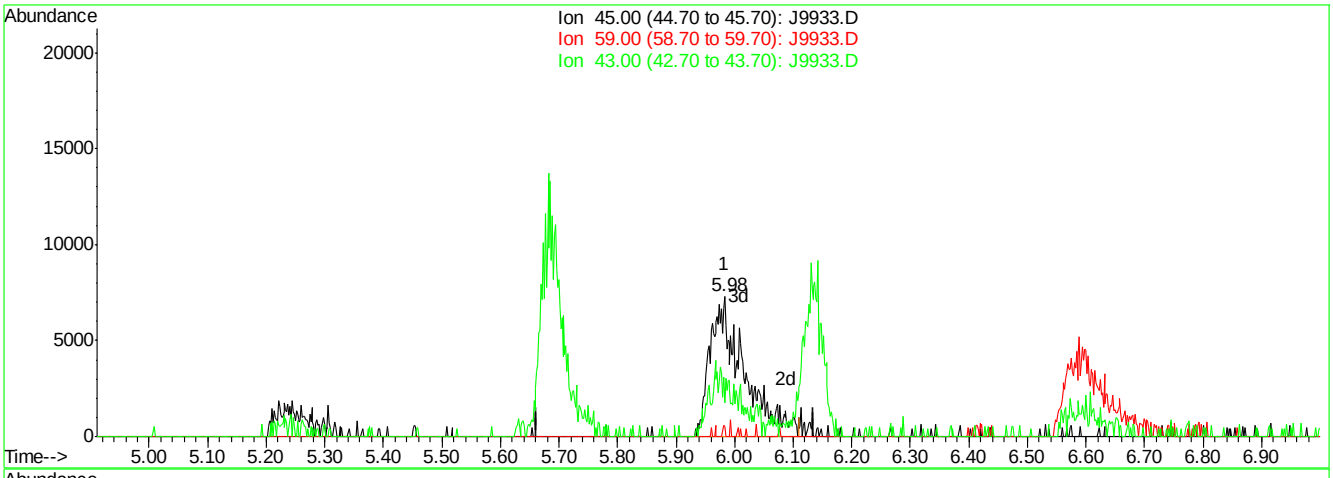
J9933.D J040407T.M Thu Apr 05 16:36:32 2007

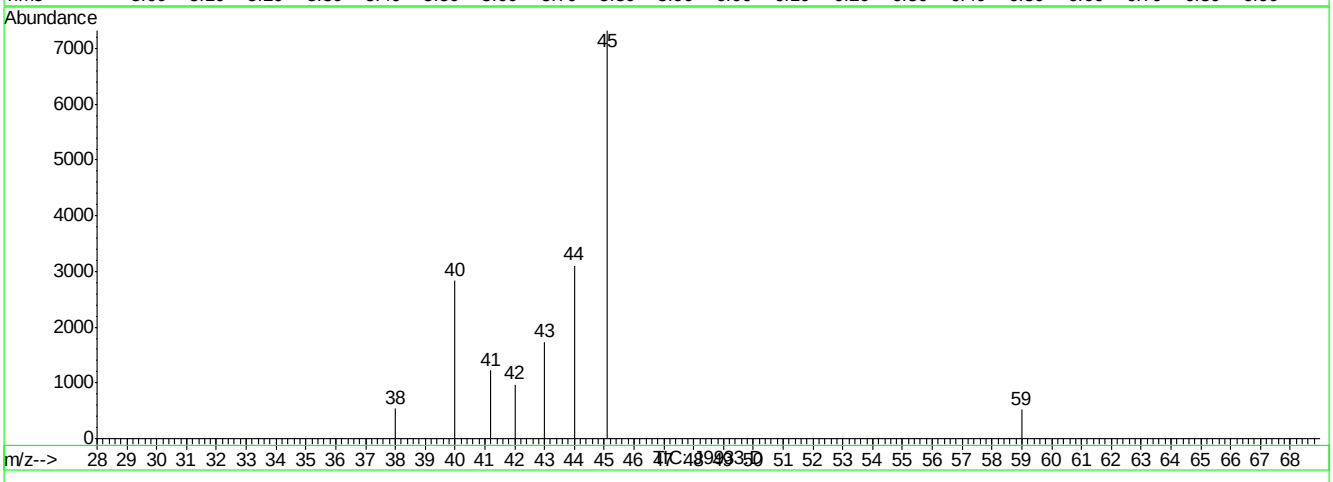
Quantitation Report (Qedit)

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

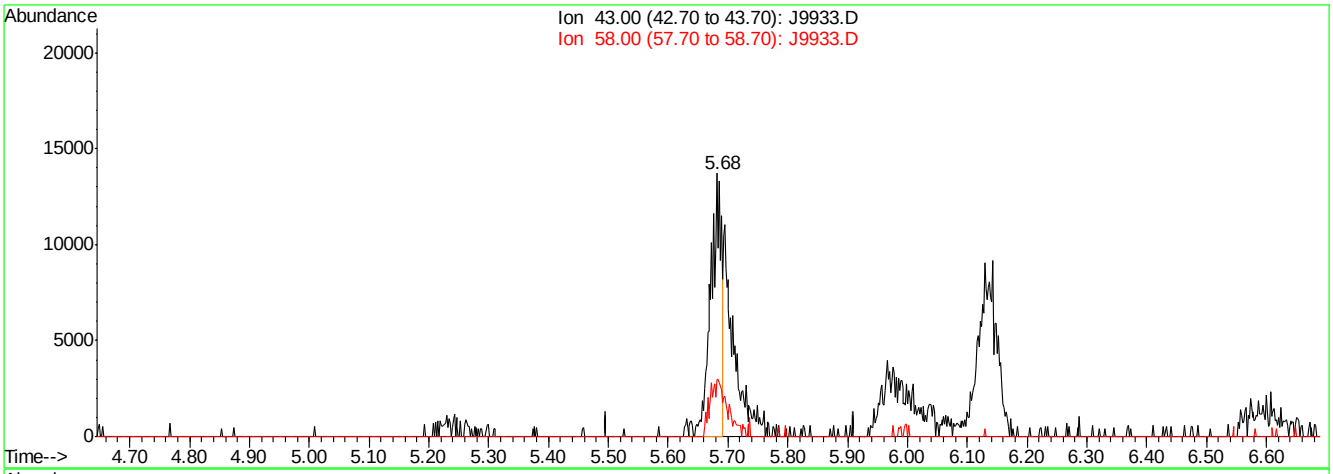
J9933.D J040407T.M Thu Apr 05 16:36:38 2007

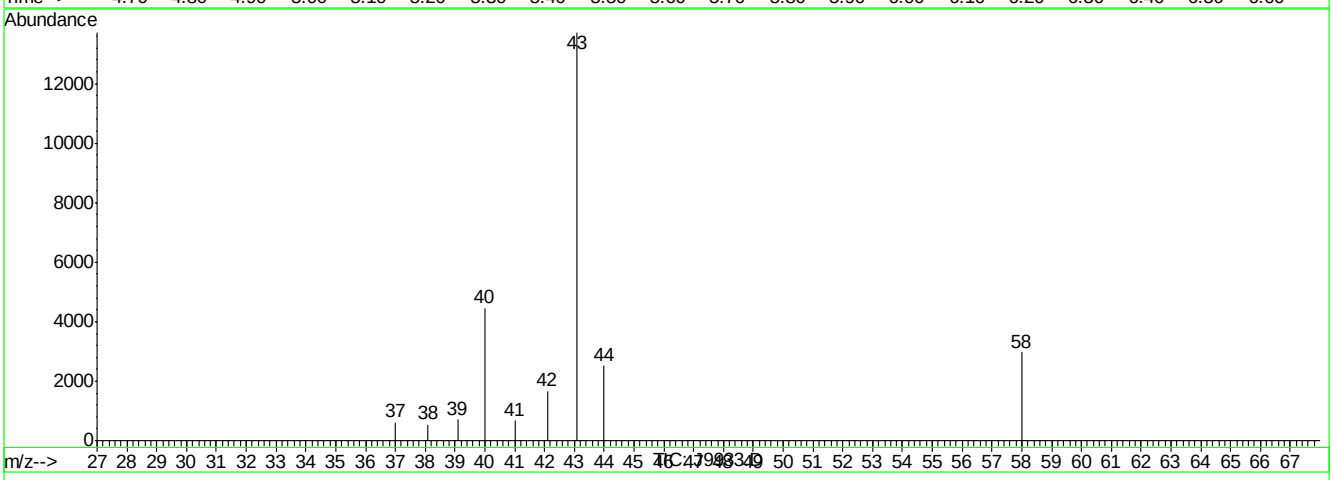
Quantitation Report (Qedit)

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

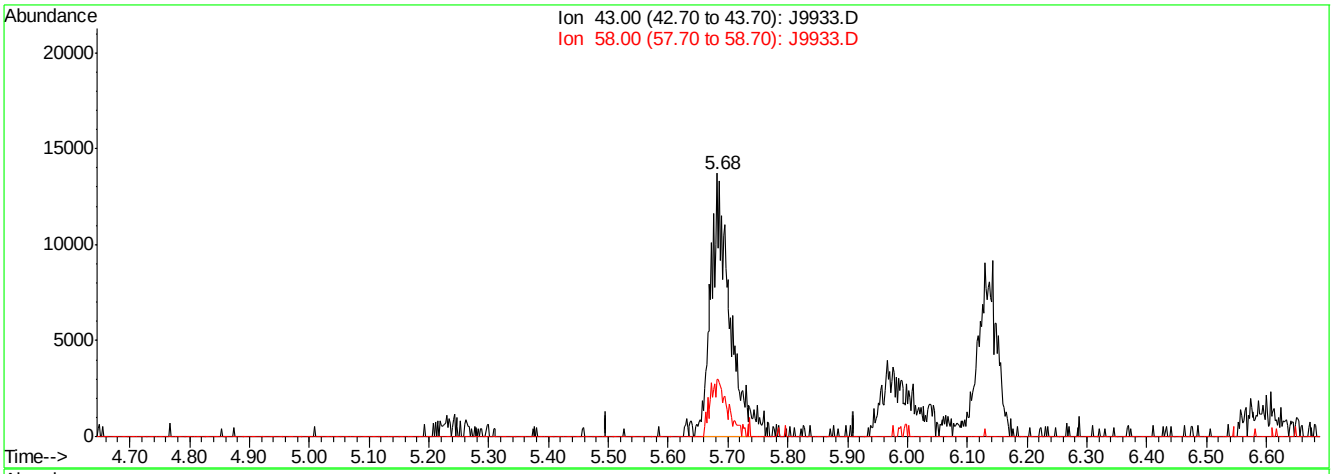
J9933.D J040407T.M Thu Apr 05 16:36:42 2007

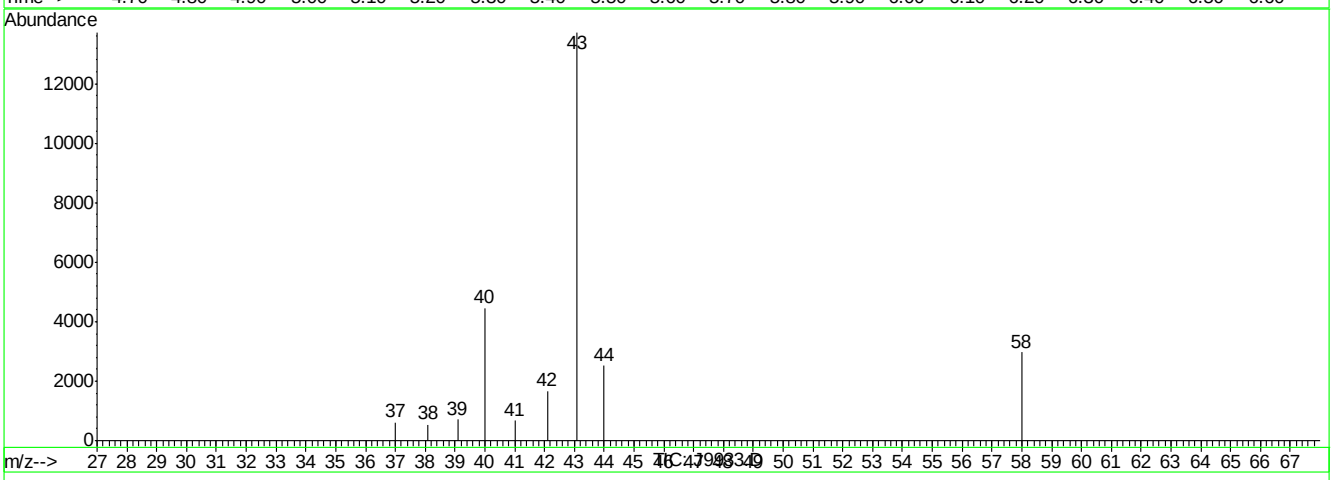
Quantitation Report (Qedit)

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

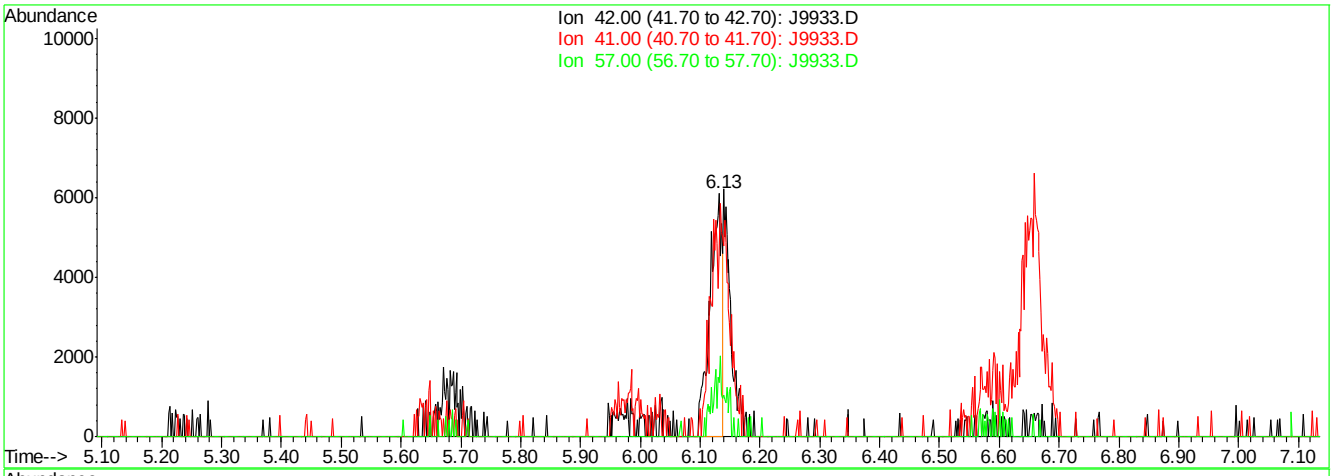
J9933.D J040407T.M Thu Apr 05 16:36:46 2007

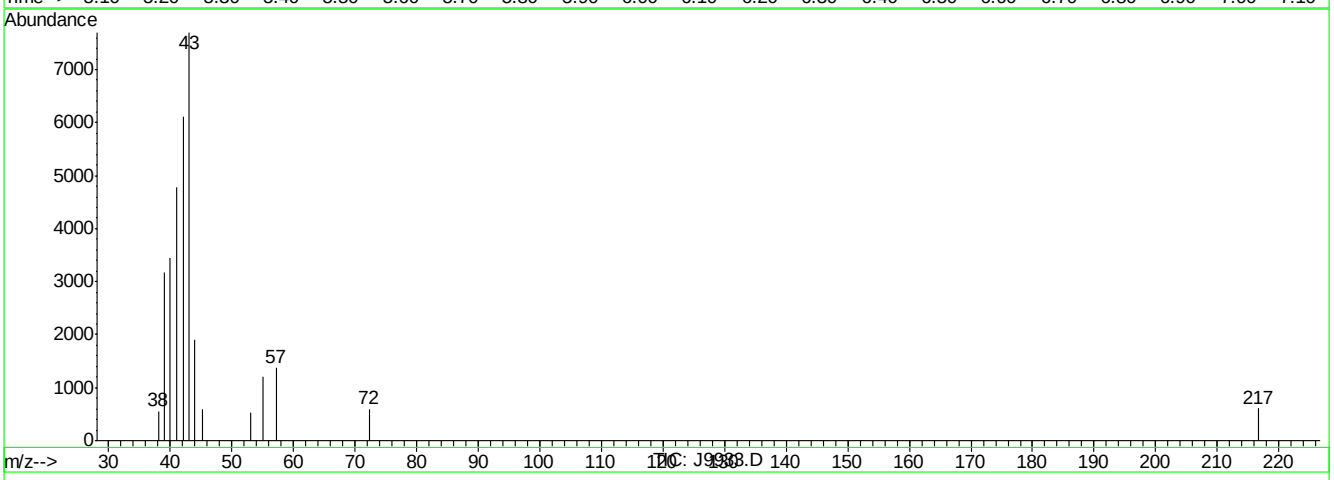
Quantitation Report (Qedit)

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

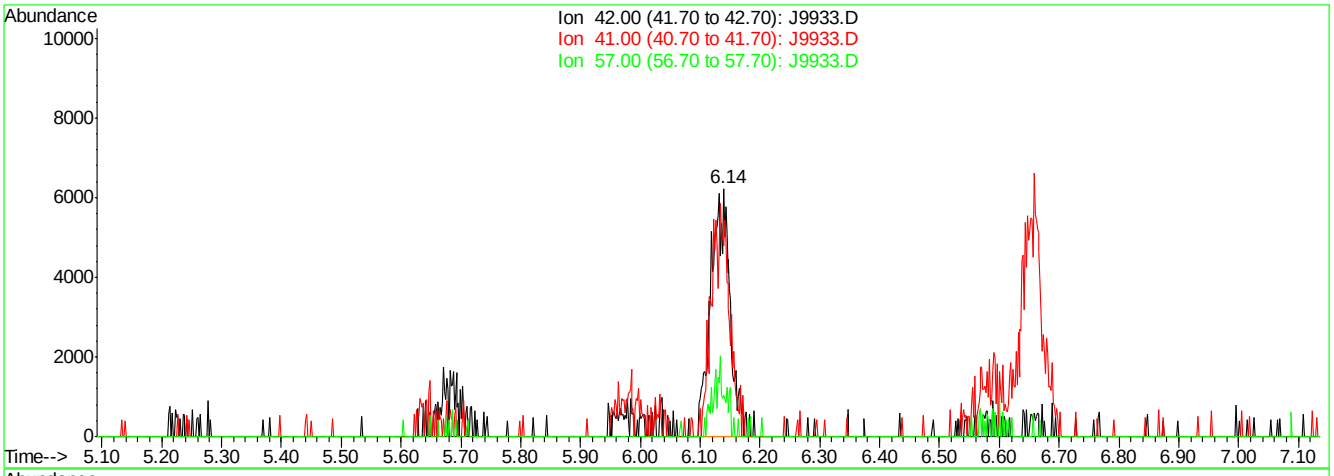
J9933.D J040407T.M Thu Apr 05 16:36:49 2007

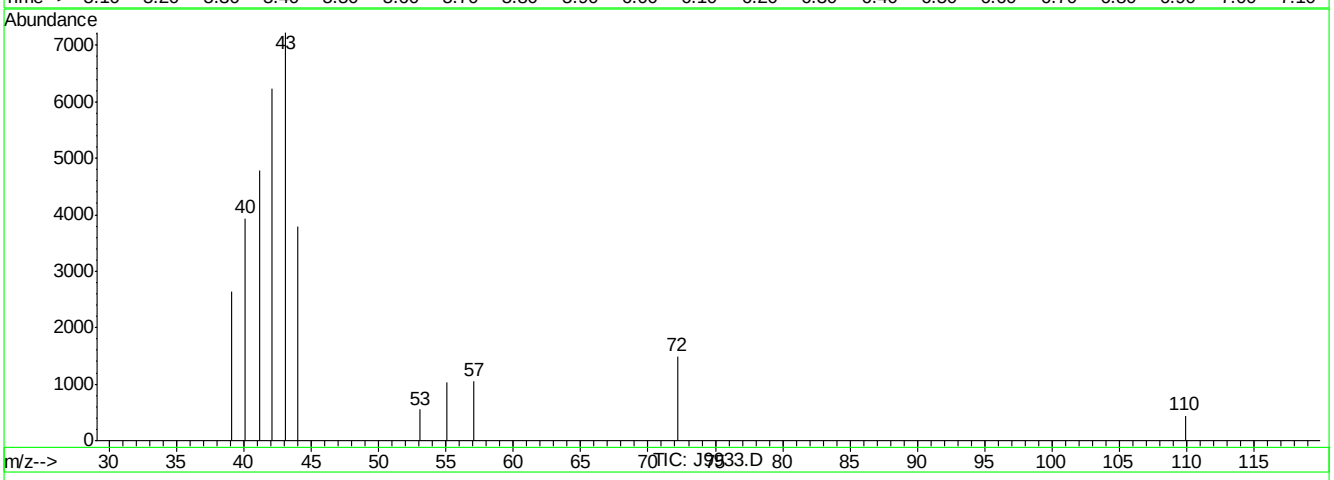
Quantitation Report (Qedit)

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

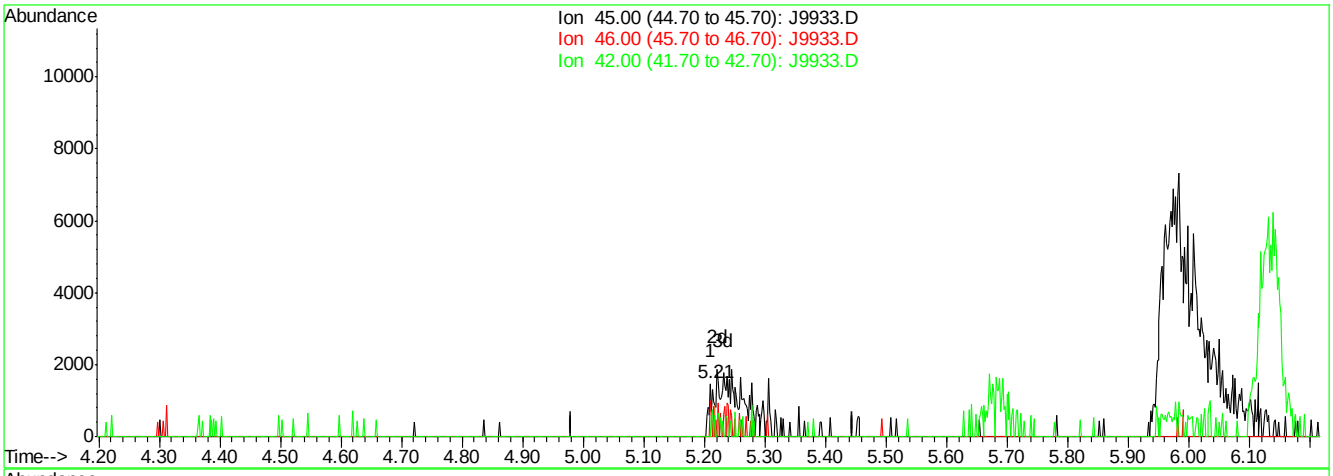
J9933.D J040407T.M Thu Apr 05 16:36:52 2007

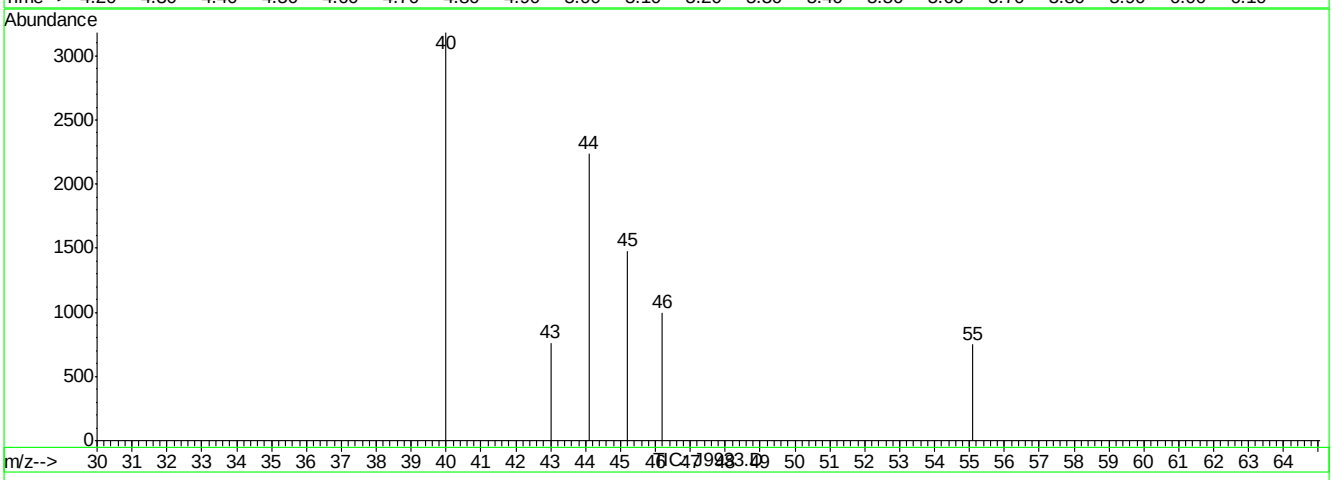
Quantitation Report (Qedit)

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

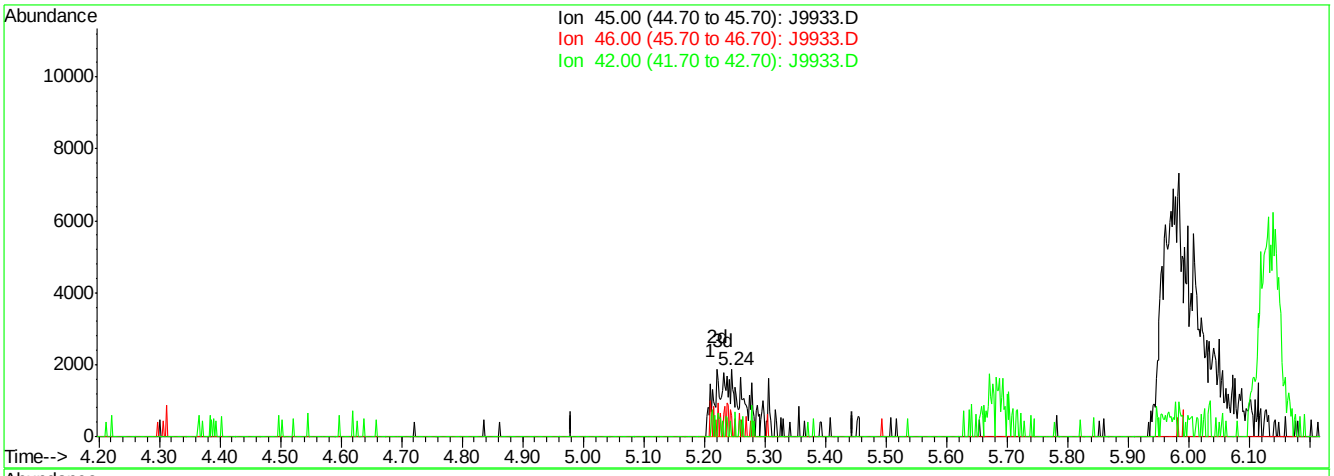
J9933.D J040407T.M Thu Apr 05 16:36:56 2007

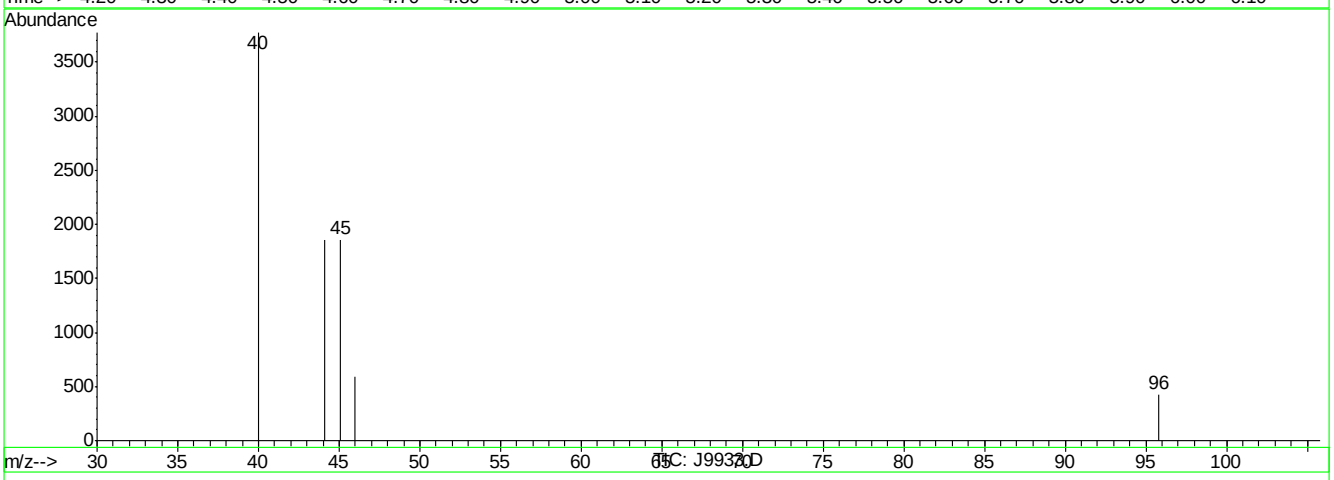
Quantitation Report (Qedit)

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

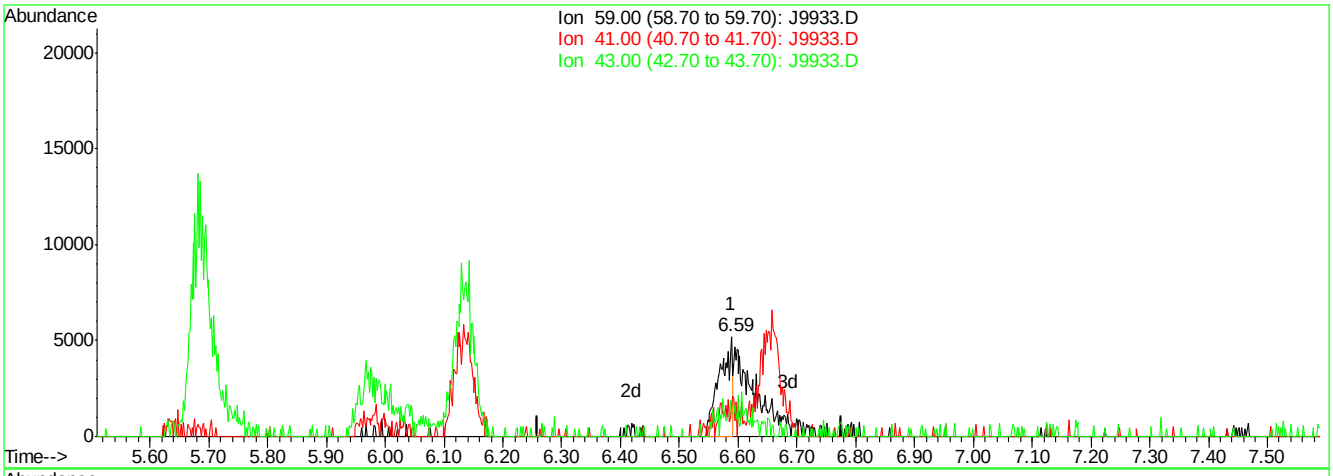
J9933.D J040407T.M Thu Apr 05 16:37:03 2007

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

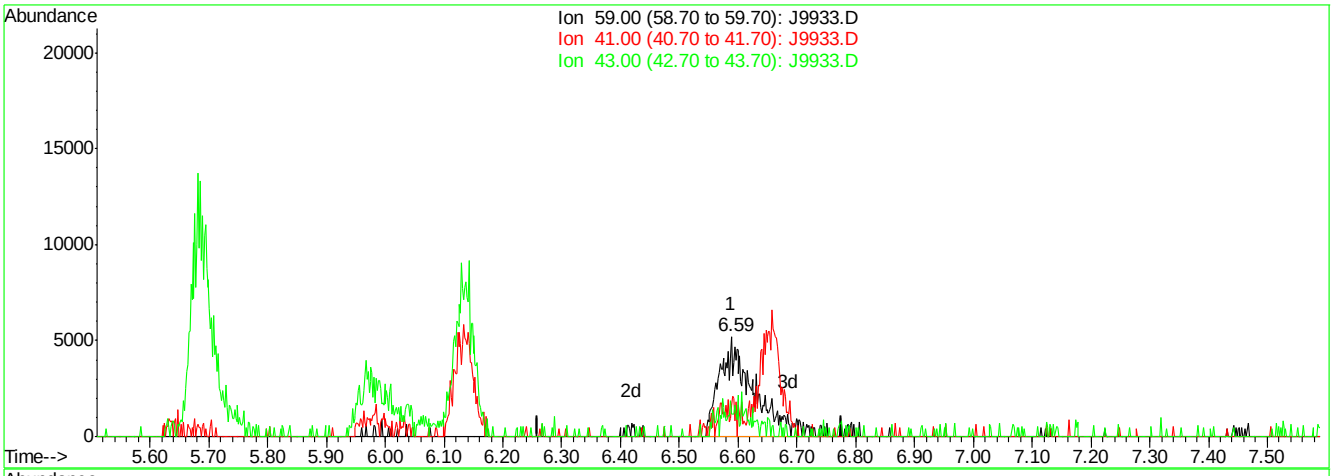
J9933.D J040407T.M Thu Apr 05 16:37:09 2007

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

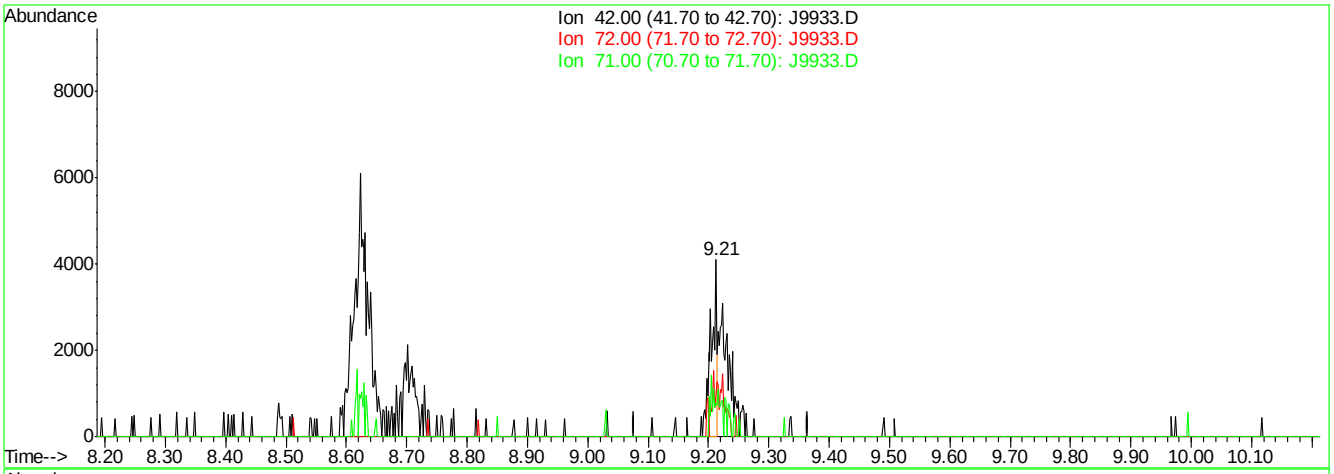
J9933.D J040407T.M Thu Apr 05 16:37:12 2007

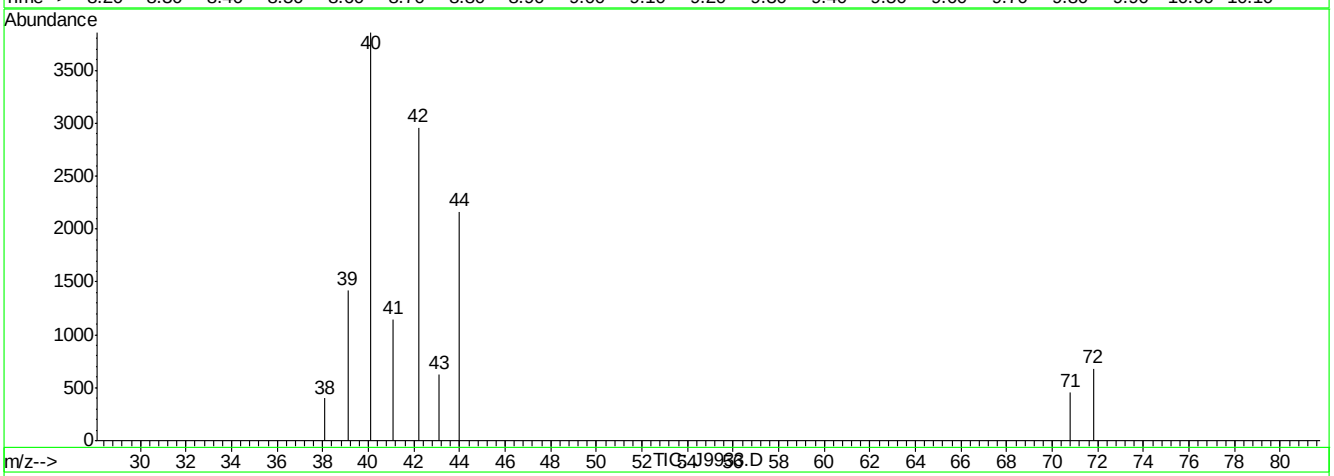
Quantitation Report (Qedit)

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

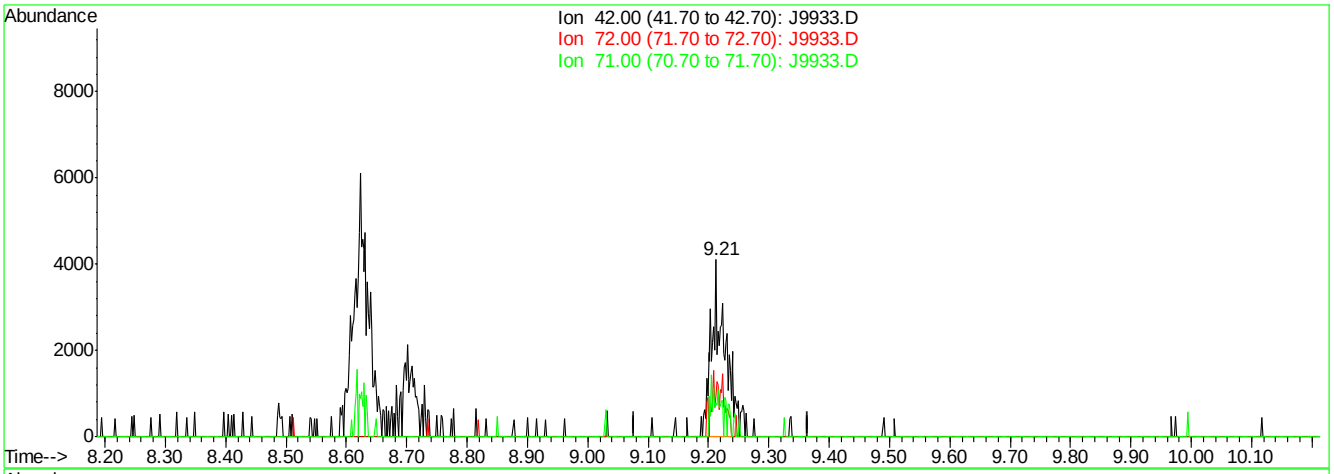
J9933.D J040407T.M Thu Apr 05 16:37:15 2007

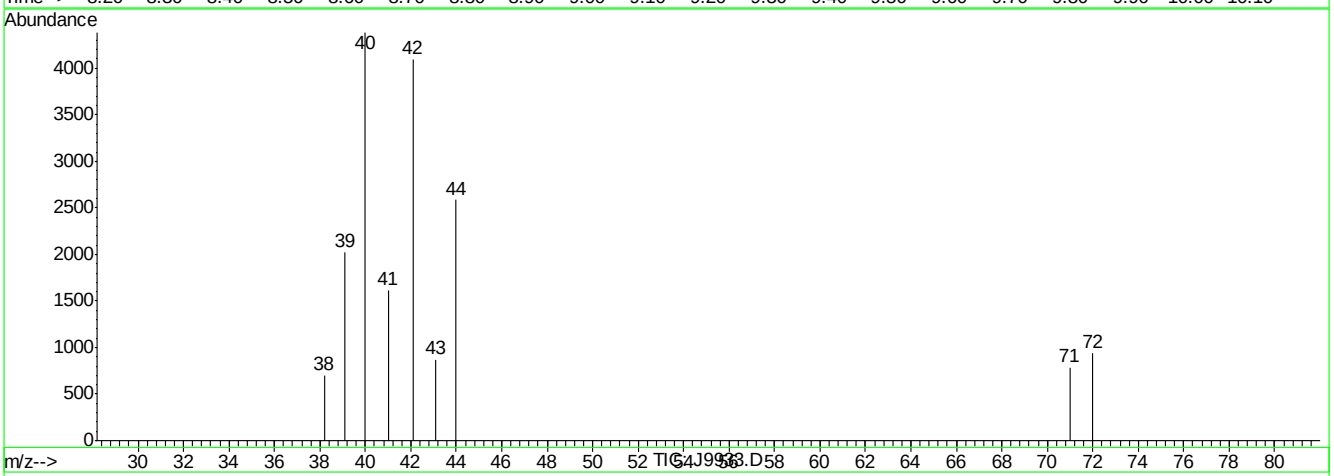
Quantitation Report (Qedit)

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

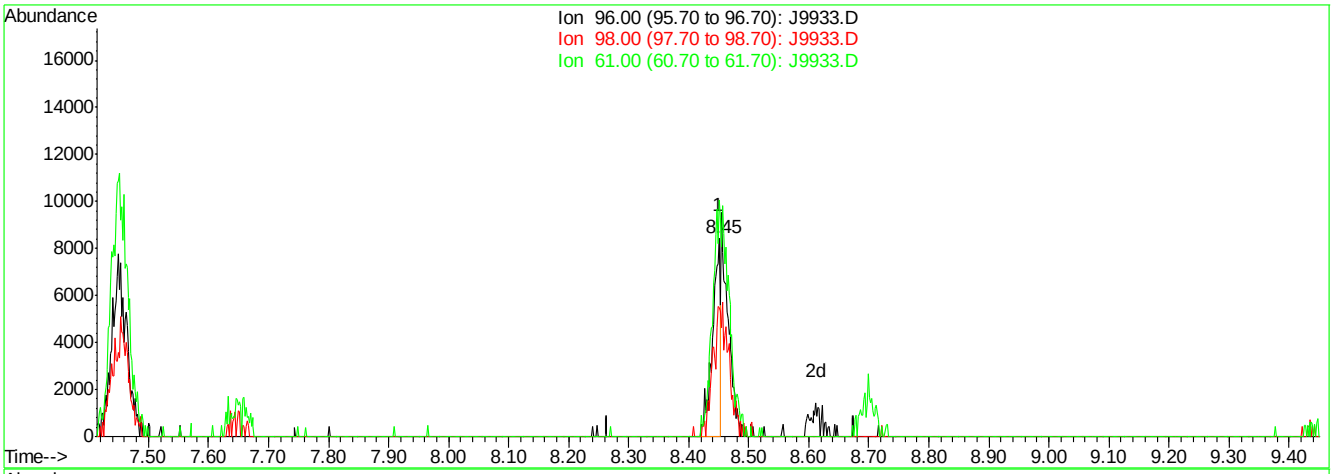
J9933.D J040407T.M Thu Apr 05 16:37:19 2007

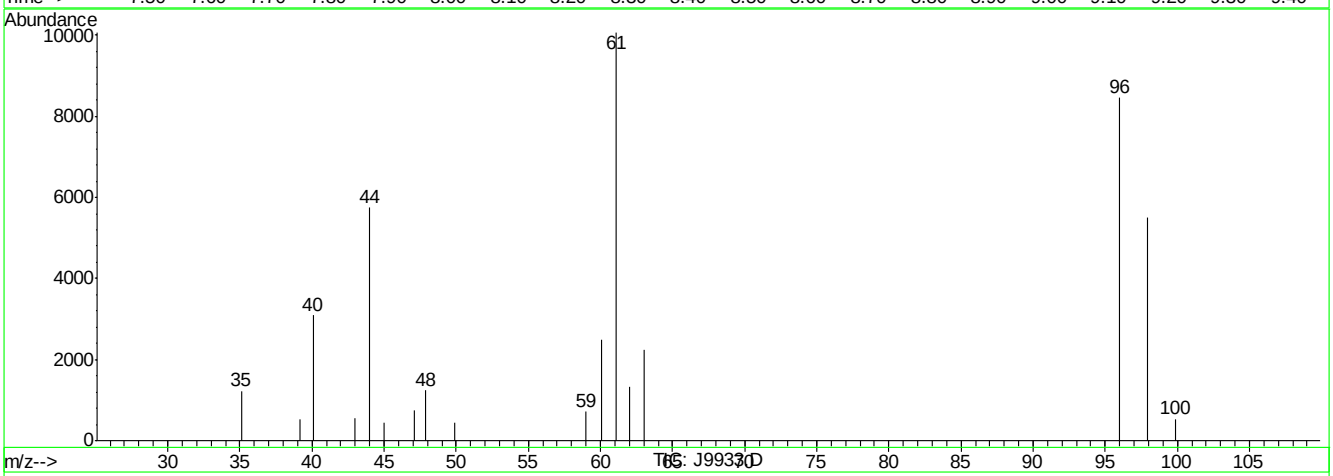
Quantitation Report (Qedit)

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

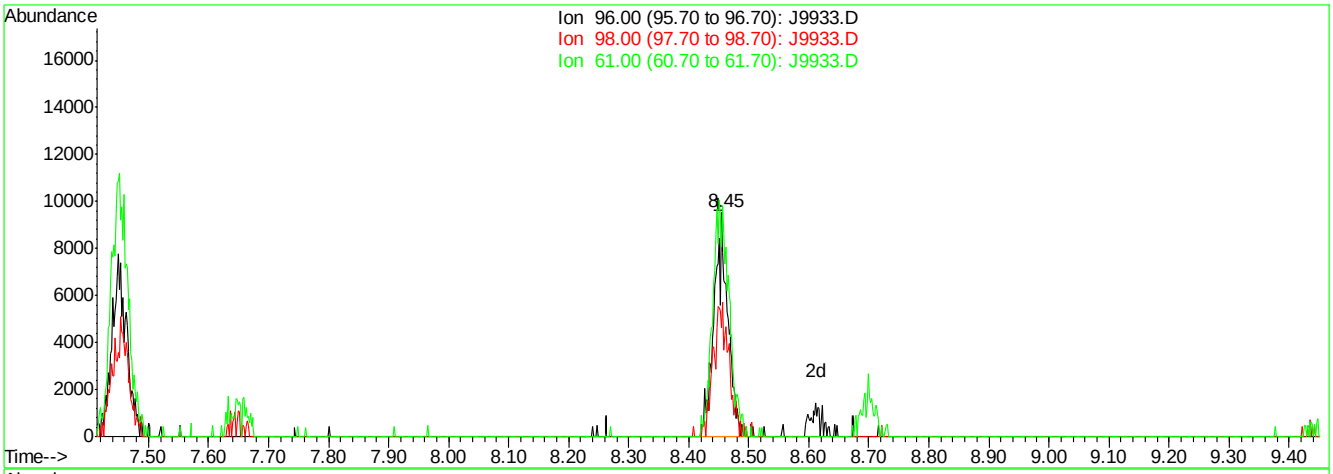
J9933.D J040407T.M Thu Apr 05 16:37:25 2007

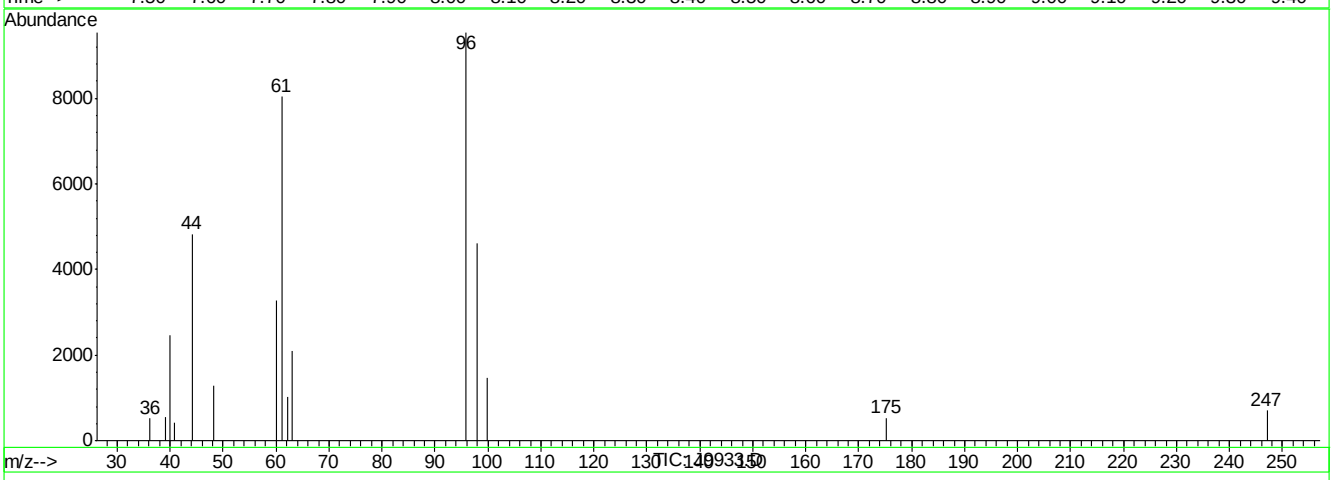
Quantitation Report (Qedit)

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

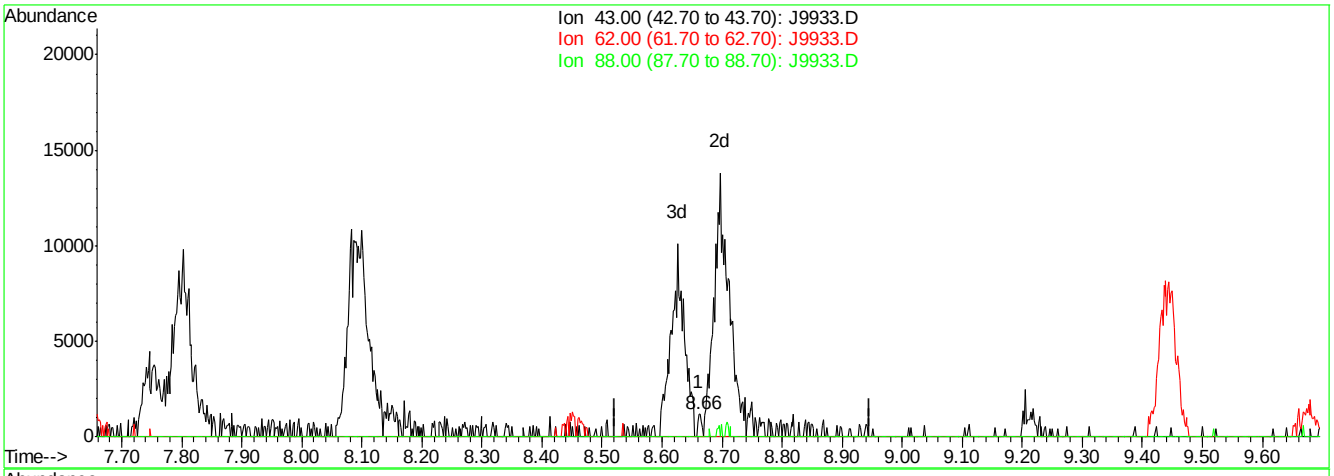
J9933.D J040407T.M Thu Apr 05 16:37:28 2007

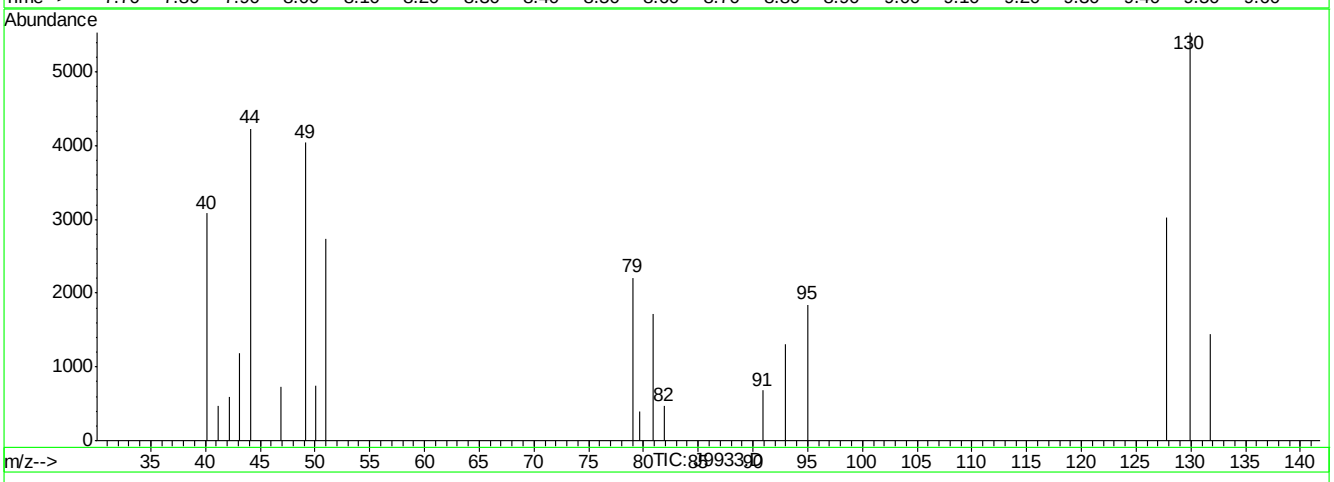
Quantitation Report (Qedit)

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

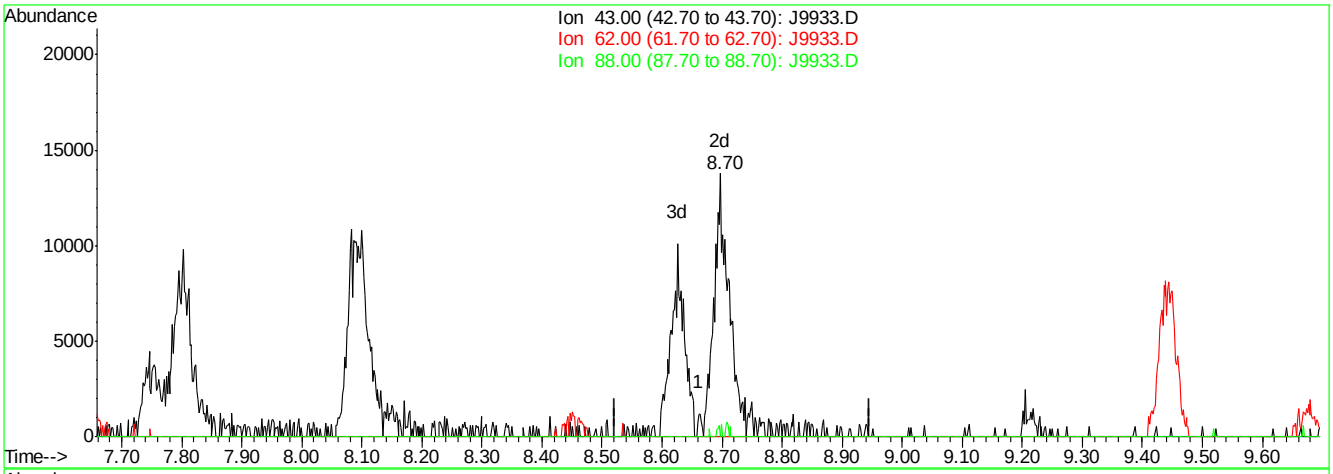
J9933.D J040407T.M Thu Apr 05 16:37:33 2007

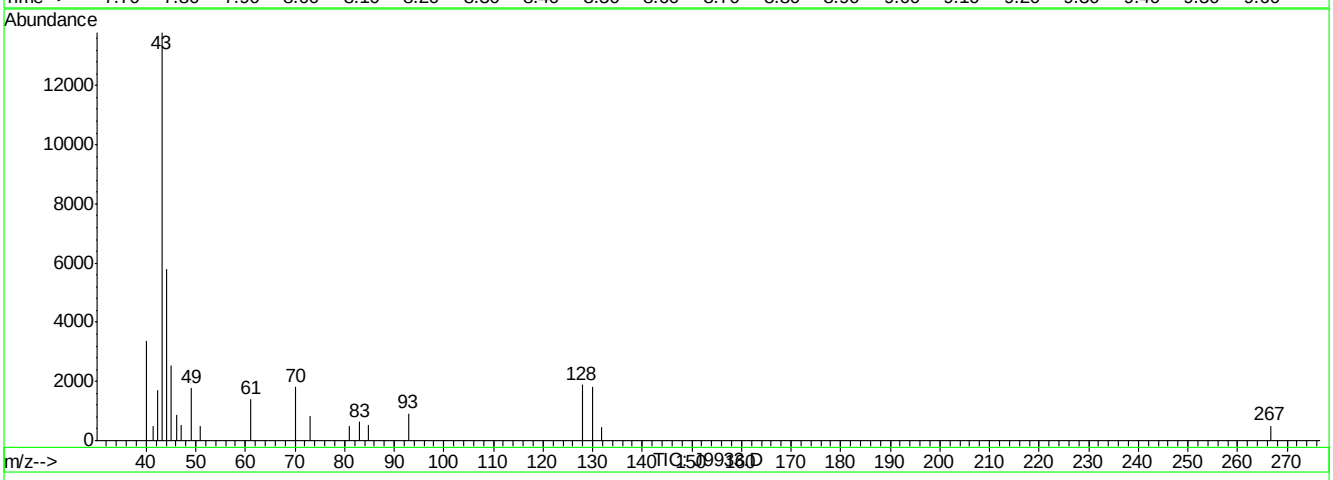
Quantitation Report (Qedit)

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

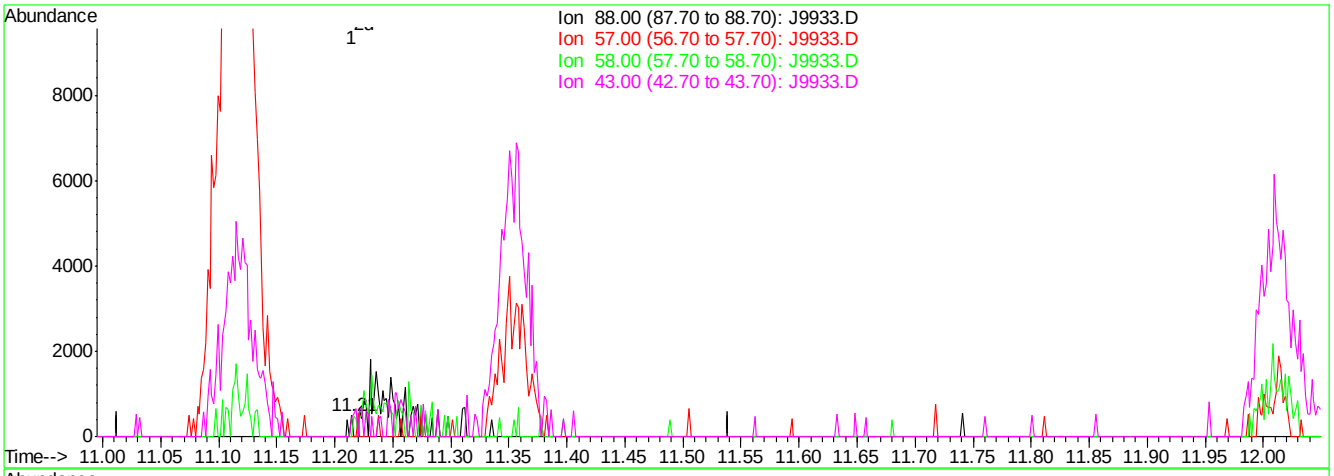
J9933.D J040407T.M Thu Apr 05 16:37:39 2007

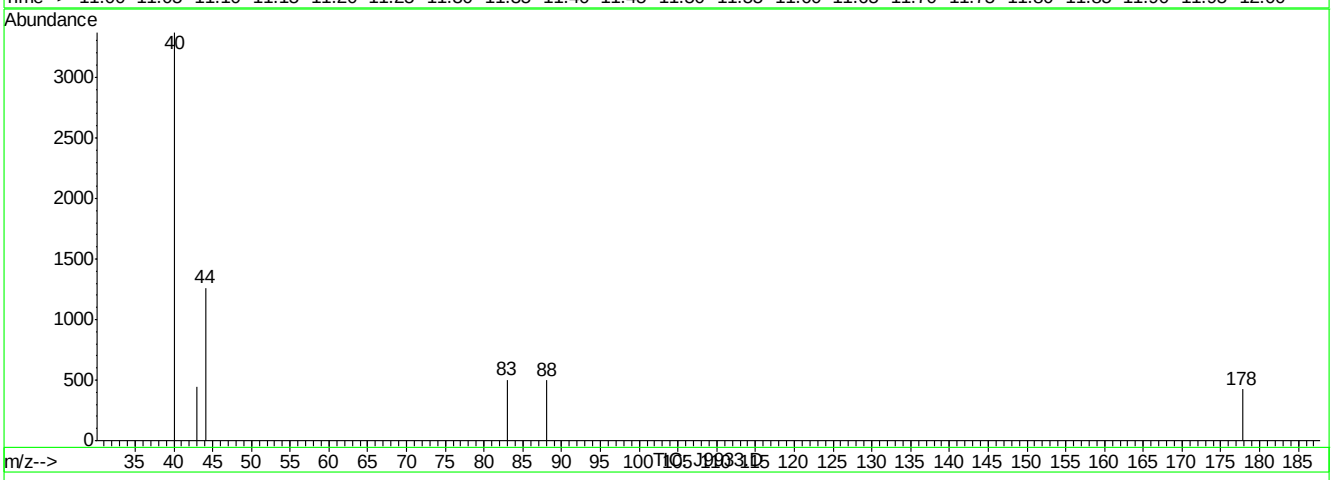
Quantitation Report (Qedit)

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#

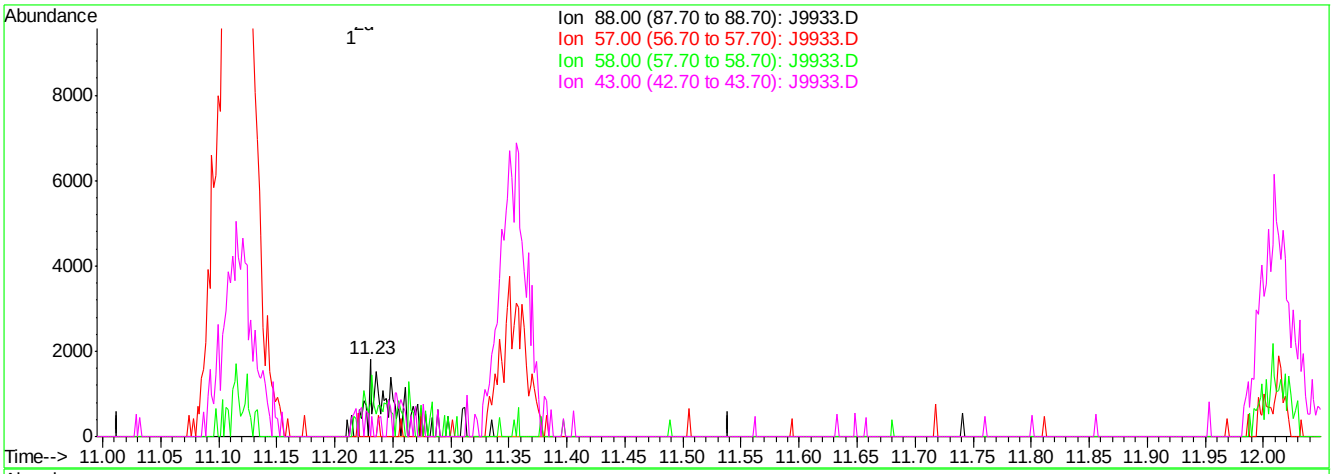
J9933.D J040407T.M Thu Apr 05 16:37:50 2007

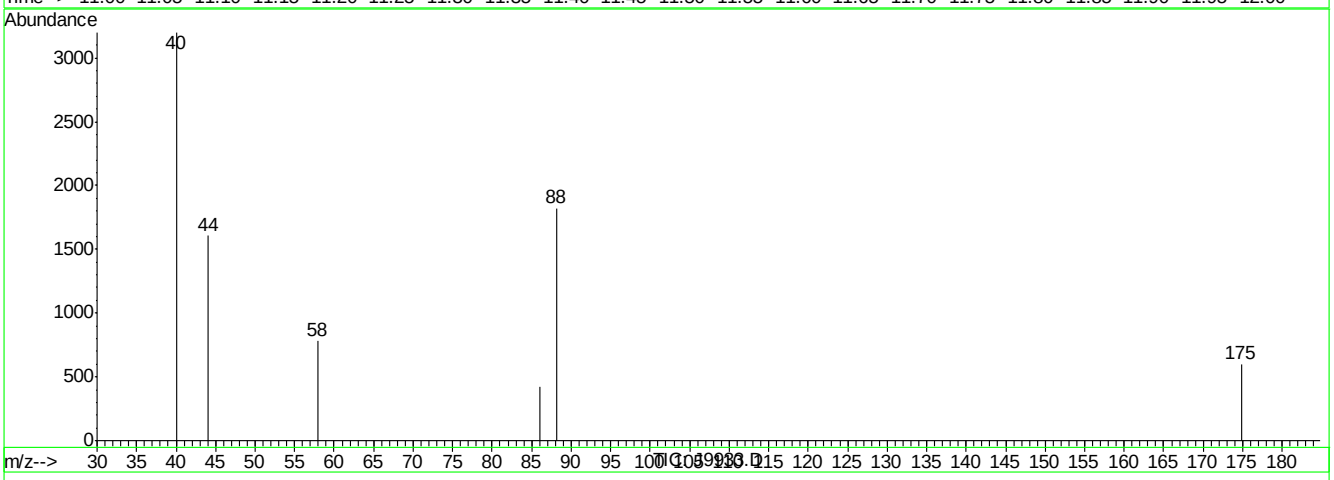
Quantitation Report (Qedit)

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#

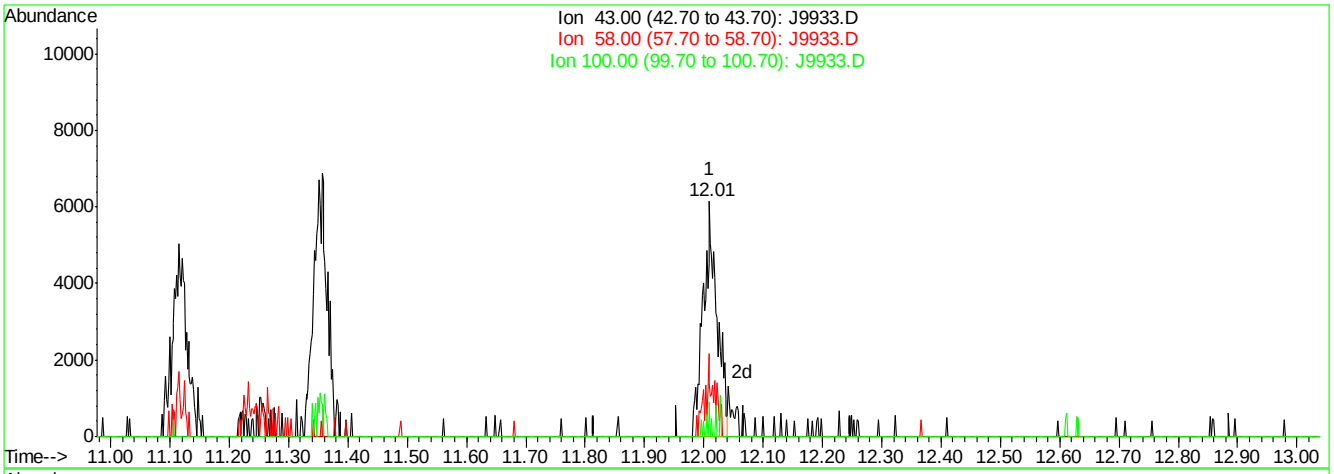
J9933.D J040407T.M Thu Apr 05 16:37:54 2007

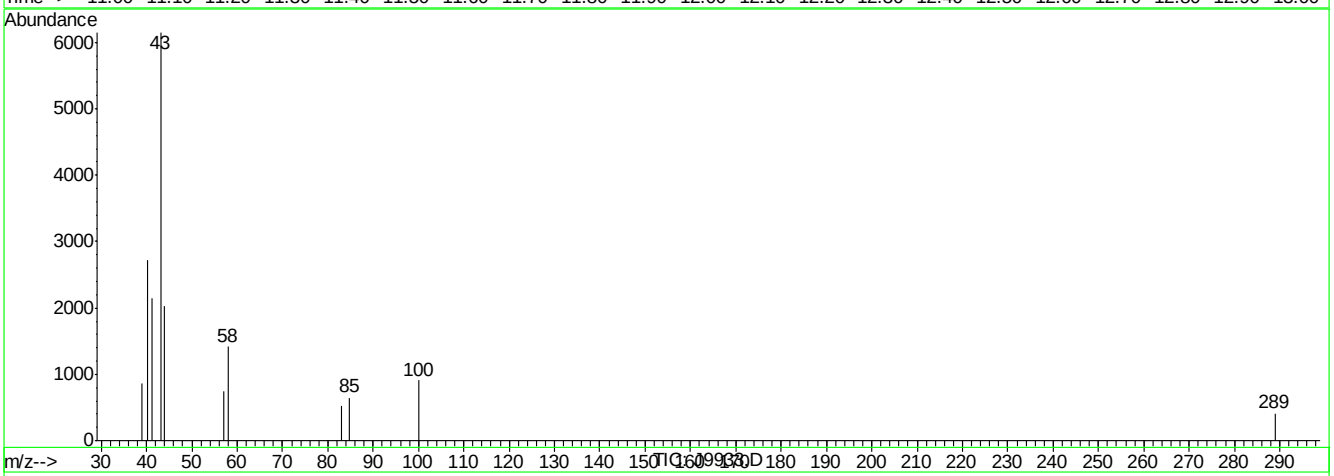
Quantitation Report (Qedit)

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

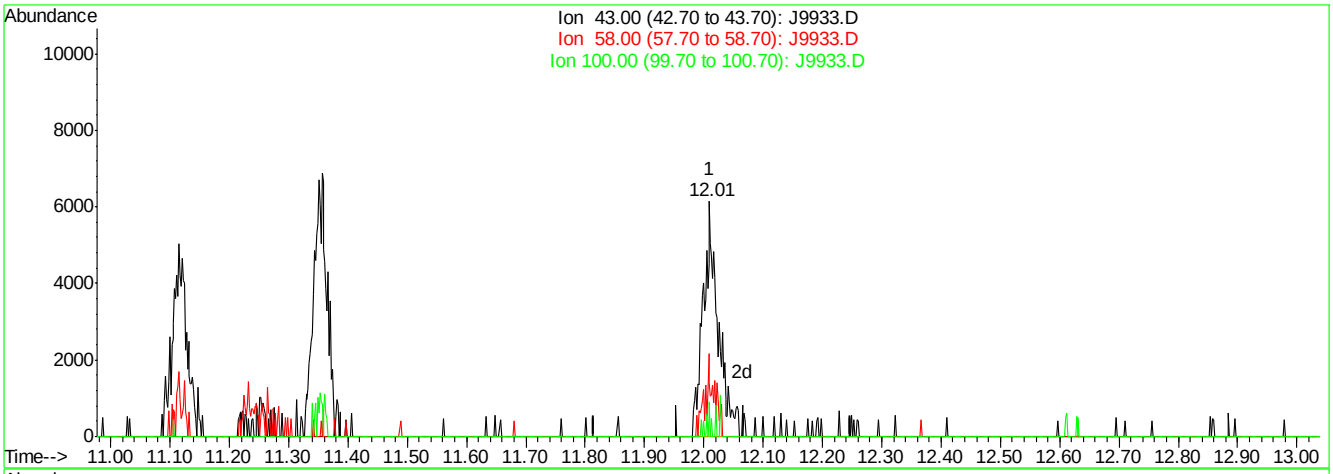
J9933.D J040407T.M Thu Apr 05 16:37:58 2007

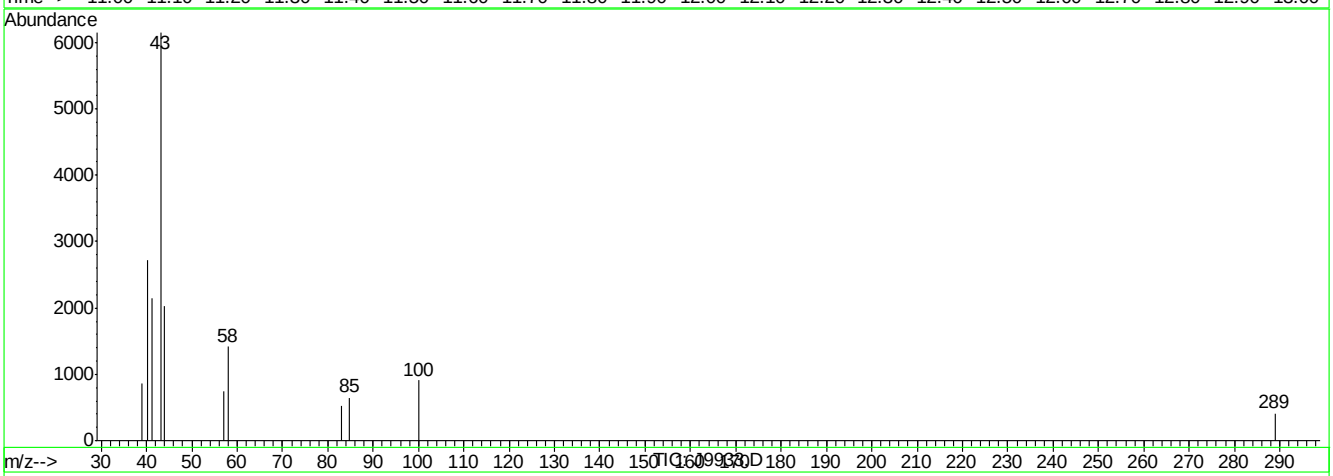
Quantitation Report (Qedit)

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

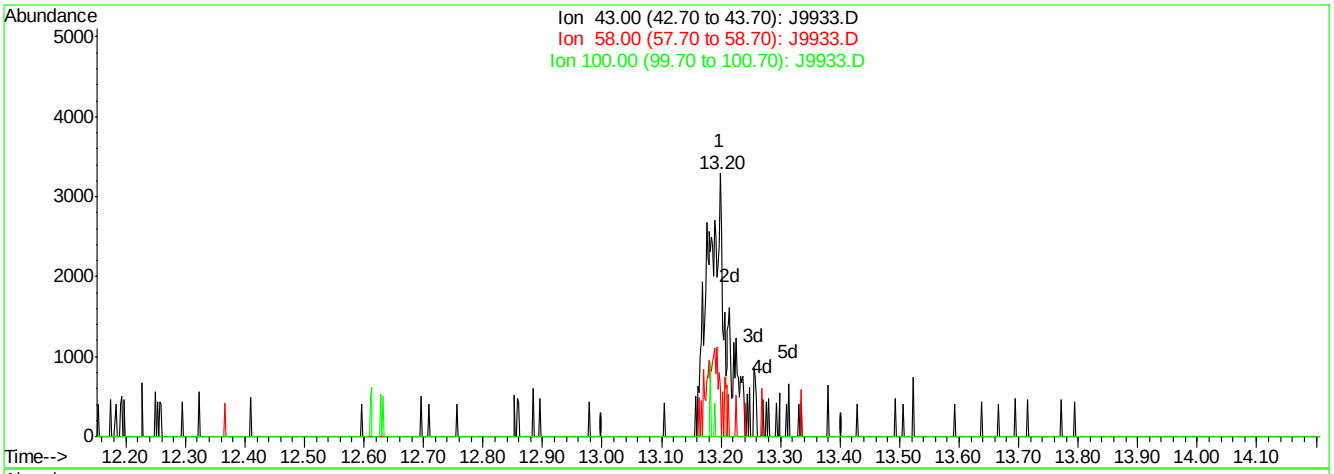
J9933.D J040407T.M Thu Apr 05 16:38:03 2007

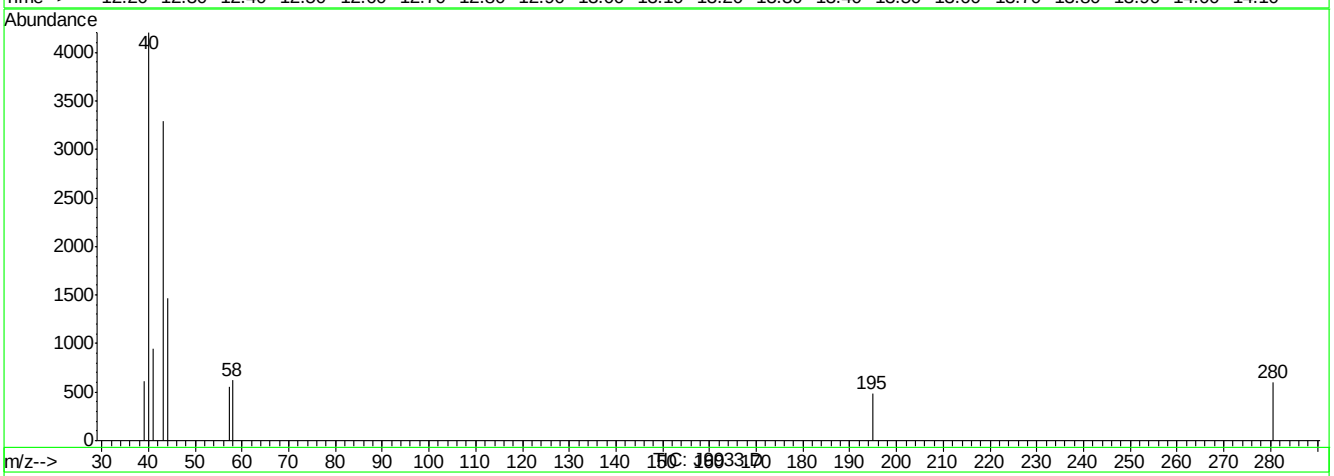
Quantitation Report (Qedit)

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

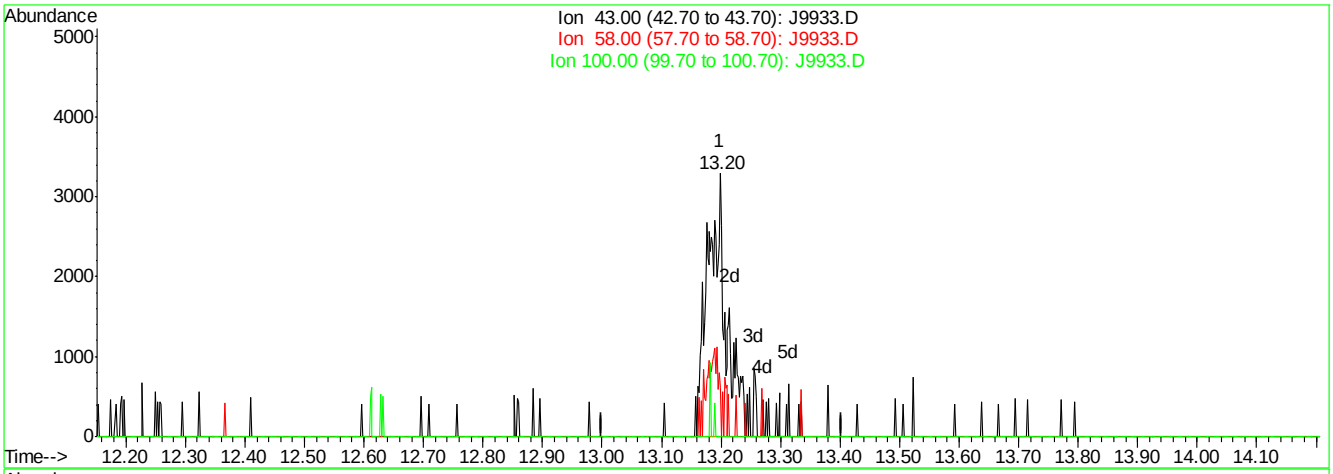
J9933.D J040407T.M Thu Apr 05 16:38:10 2007

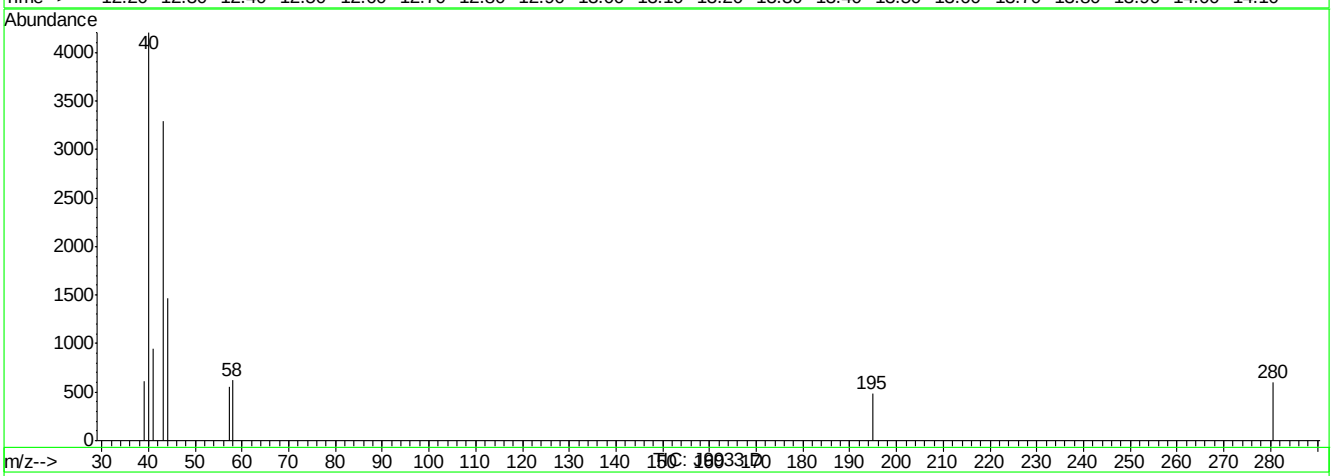
Quantitation Report (Qedit)

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

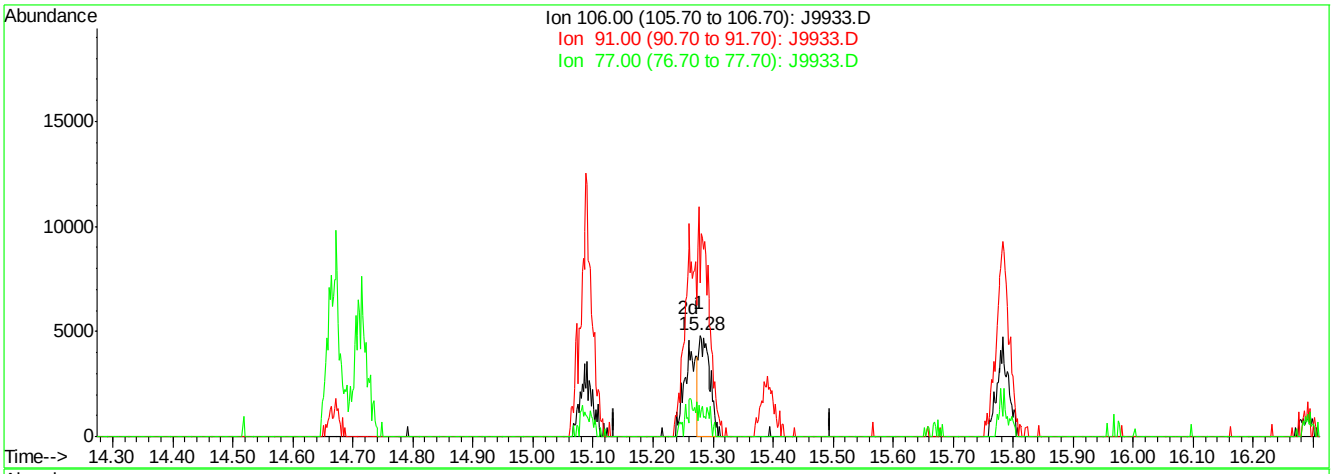
J9933.D J040407T.M Thu Apr 05 16:38:13 2007

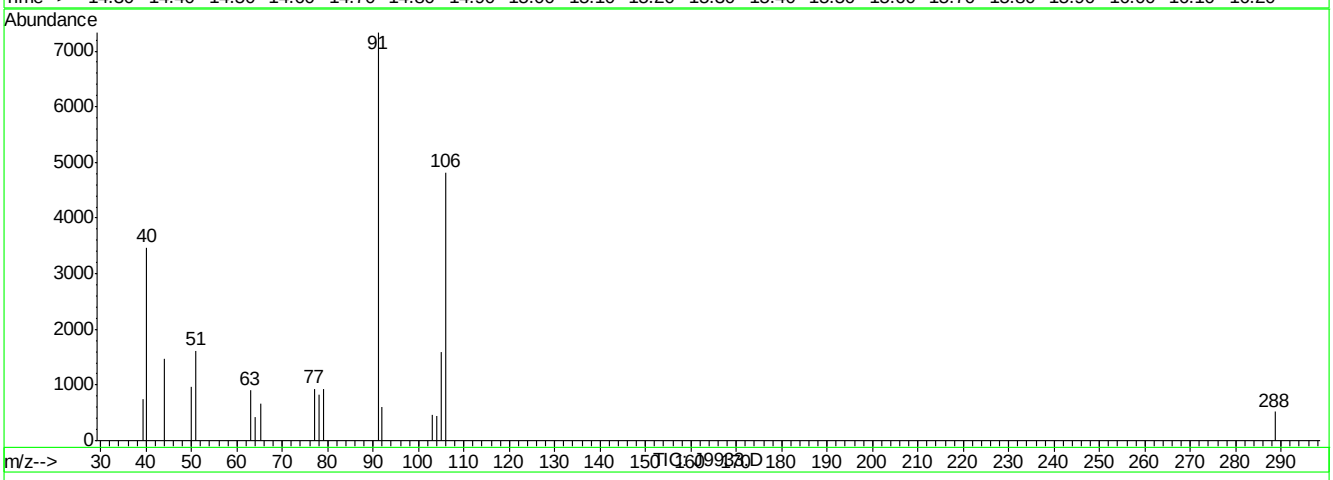
Quantitation Report (Qedit)

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

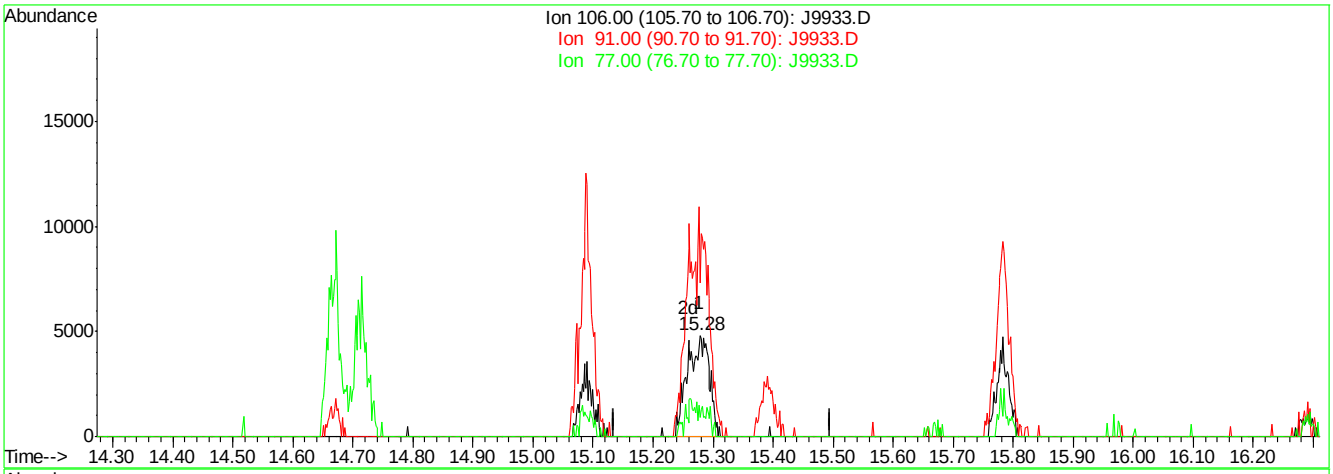
J9933.D J040407T.M Thu Apr 05 16:38:18 2007

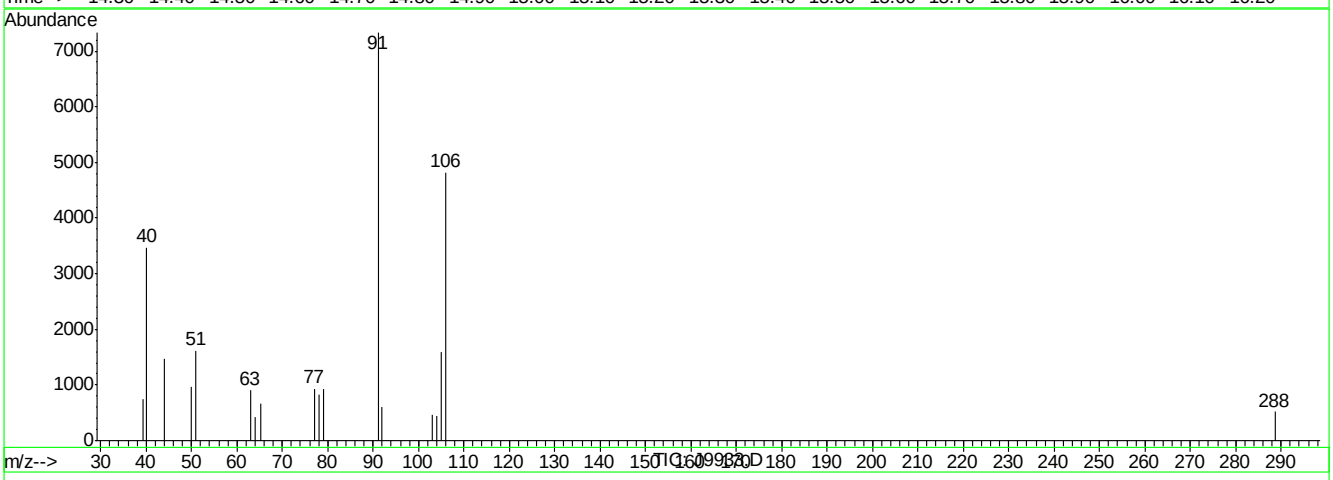
Quantitation Report (Qedit)

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

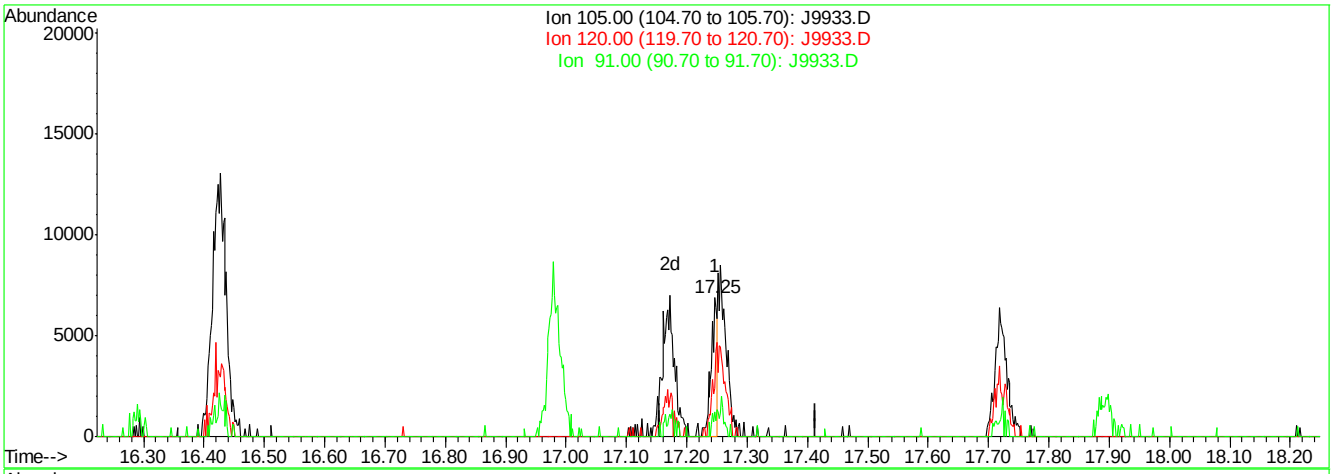
J9933.D J040407T.M Thu Apr 05 16:38:21 2007

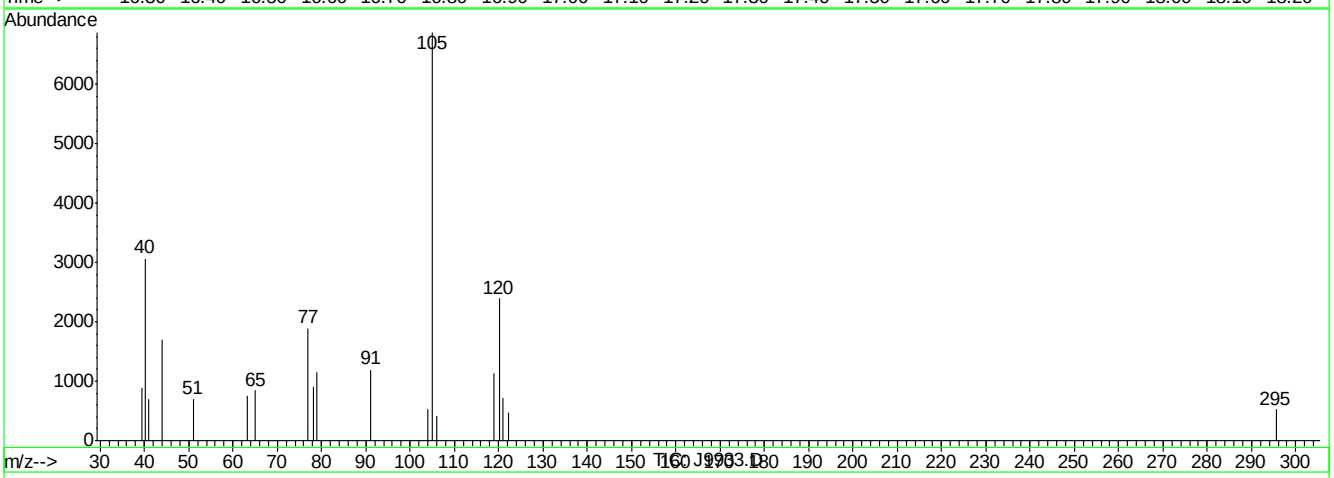
Quantitation Report (Qedit)

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

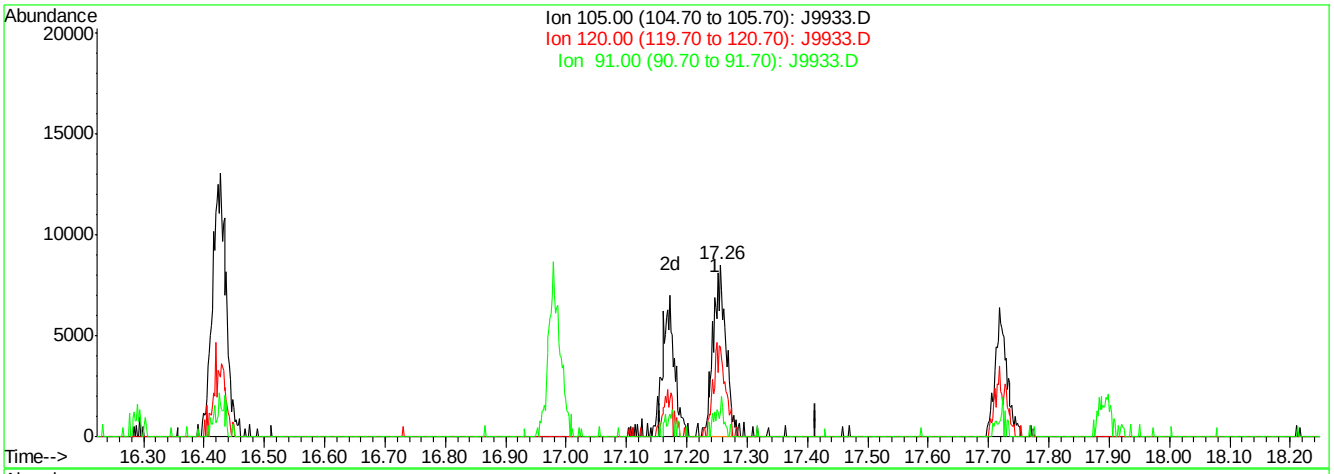
J9933.D J040407T.M Thu Apr 05 16:38:28 2007

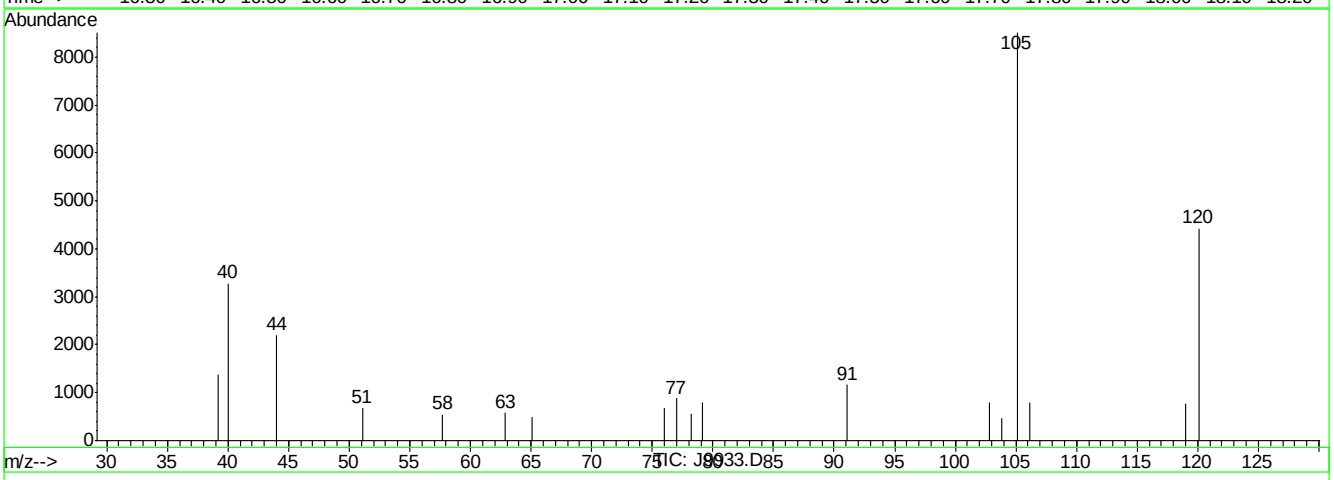
Quantitation Report (Qedit)

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

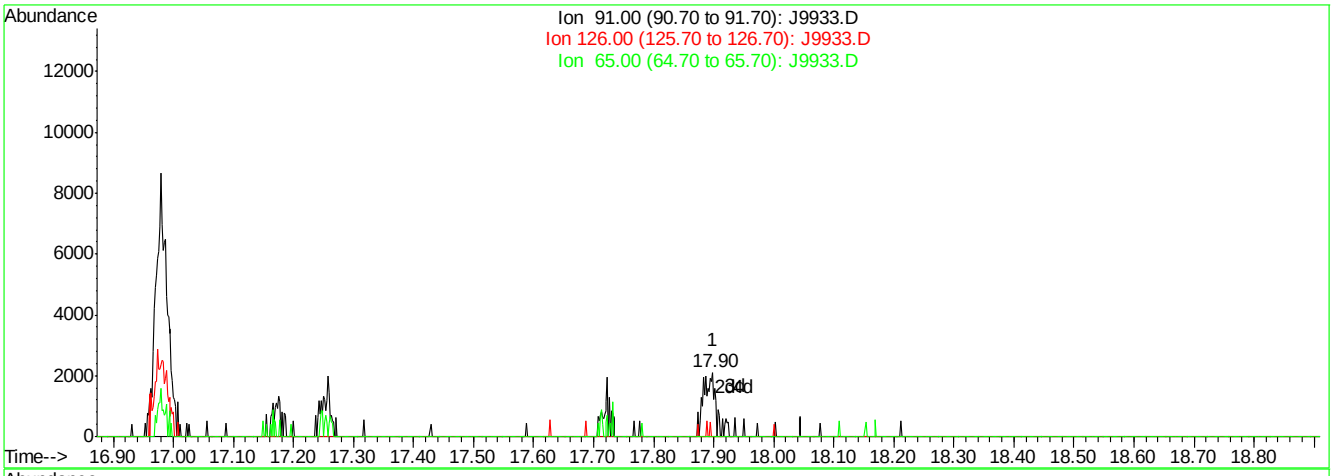
J9933.D J040407T.M Thu Apr 05 16:38:33 2007

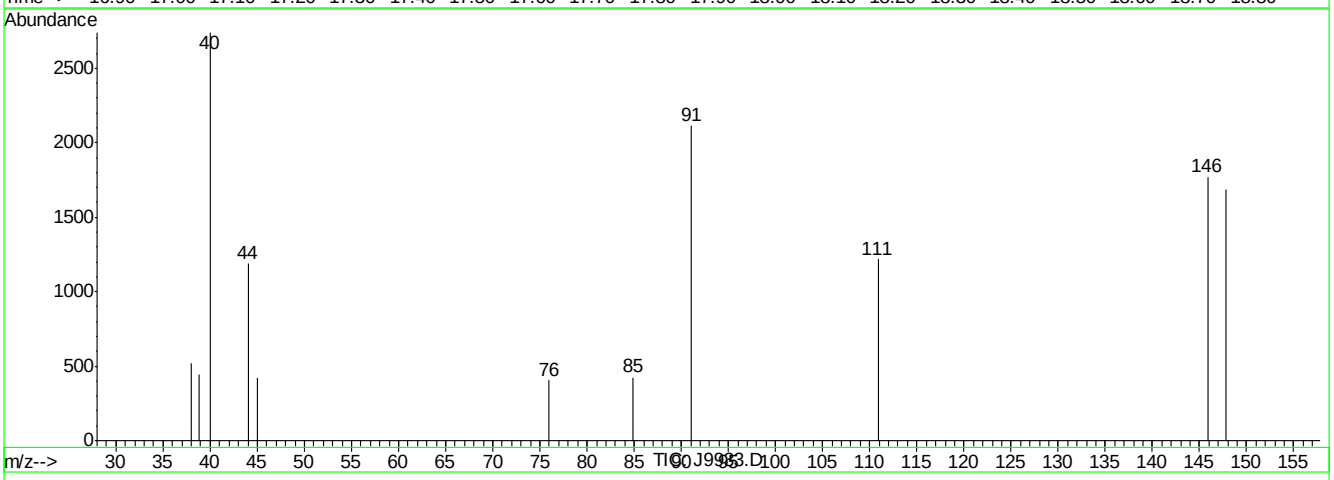
Quantitation Report (Qedit)

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

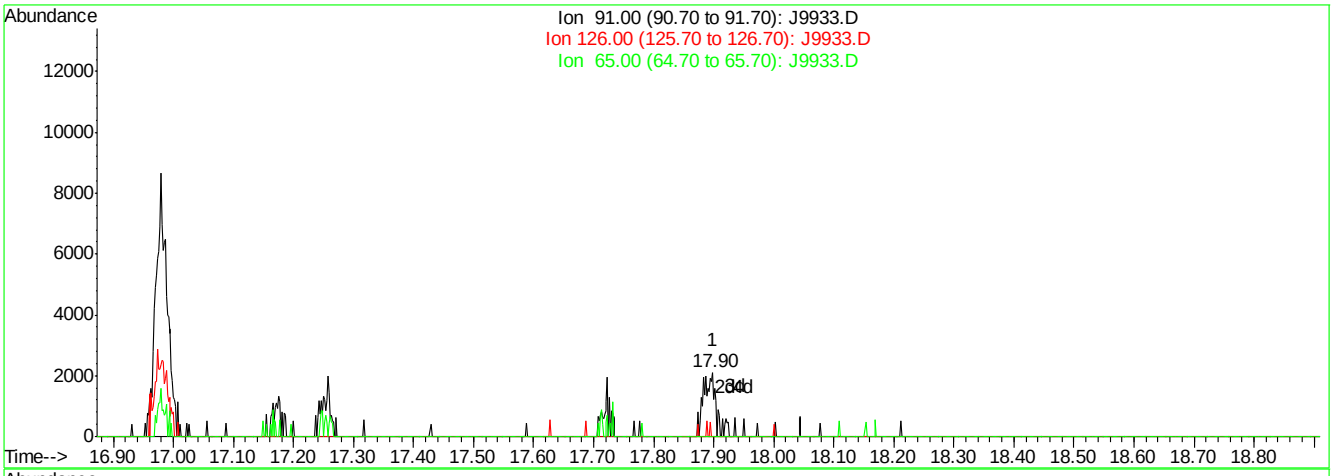
J9933.D J040407T.M Thu Apr 05 16:38:38 2007

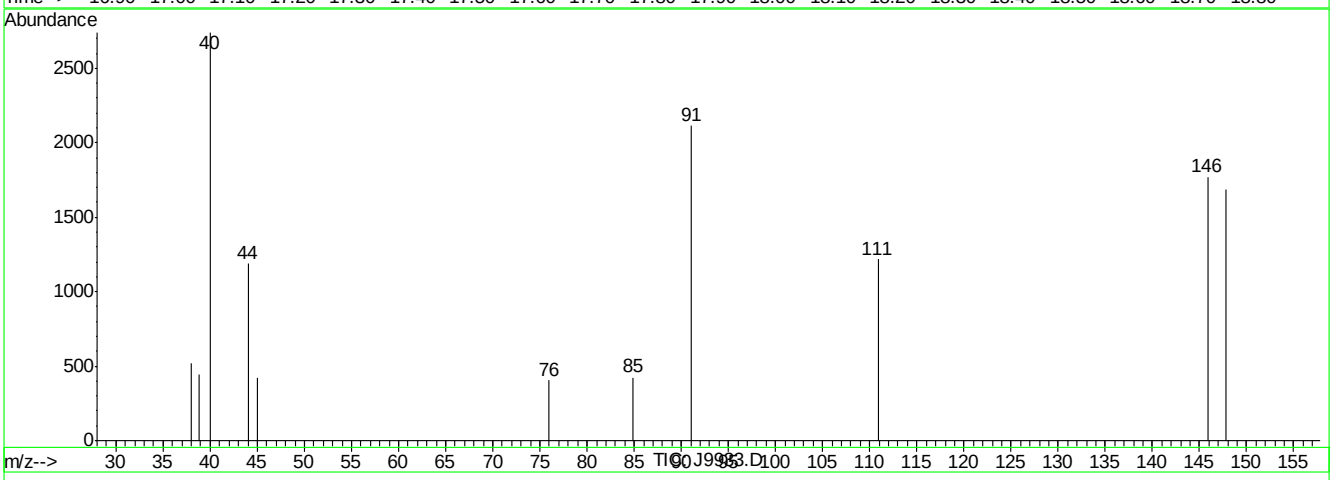
Quantitation Report (Qedit)

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

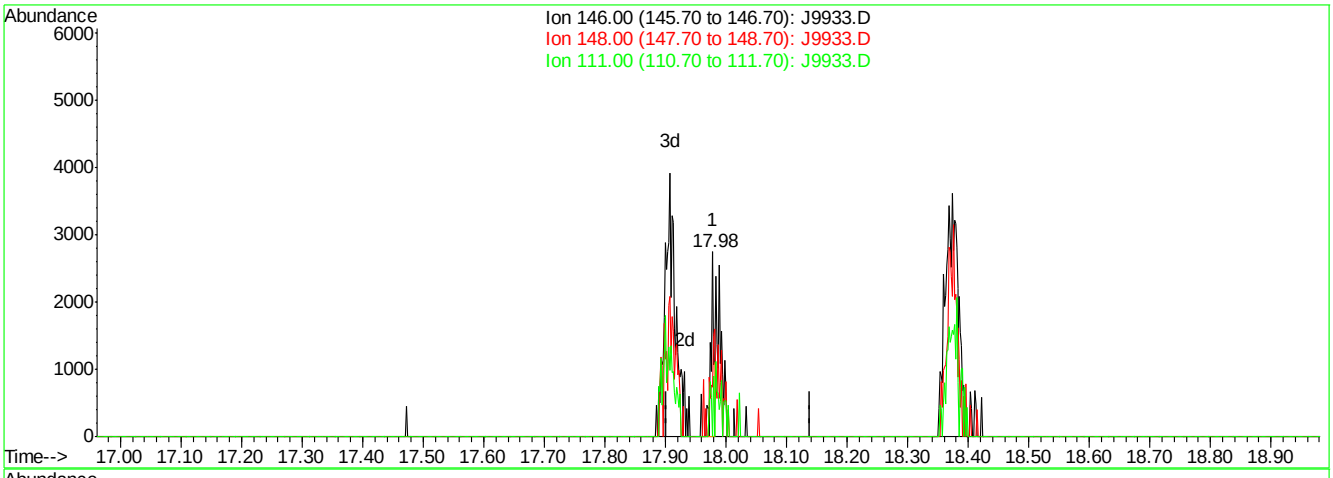
J9933.D J040407T.M Thu Apr 05 16:38:41 2007

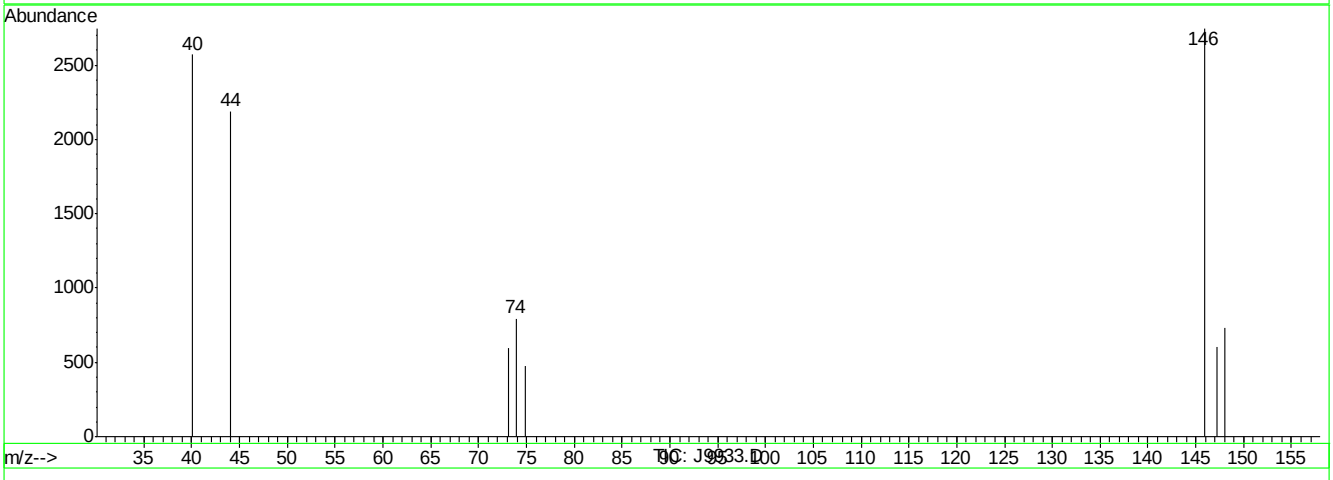
Quantitation Report (Qedit)

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

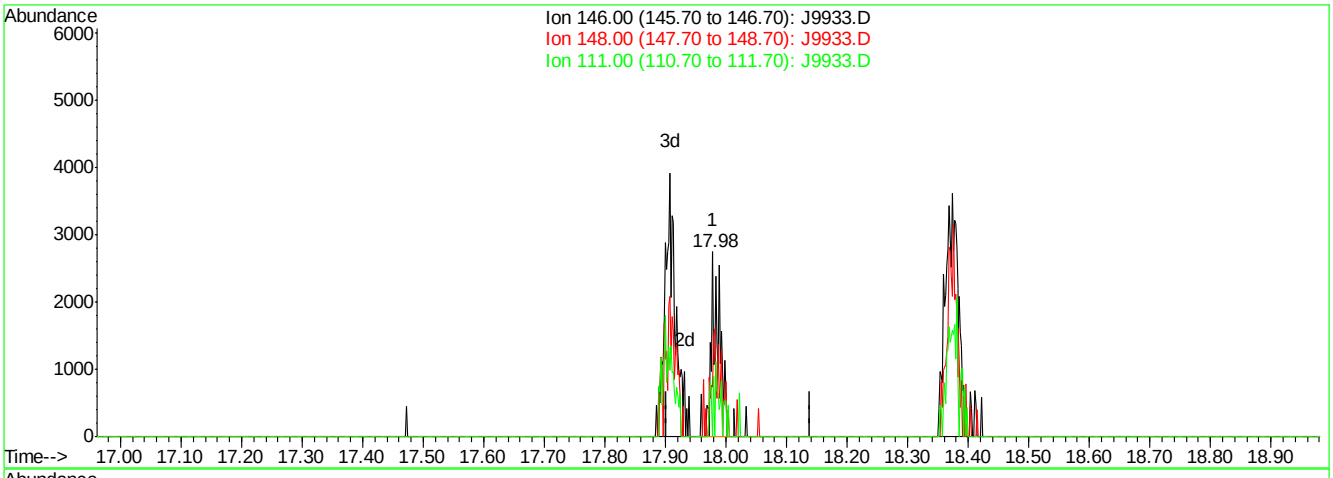
J9933.D J040407T.M Thu Apr 05 16:38:44 2007

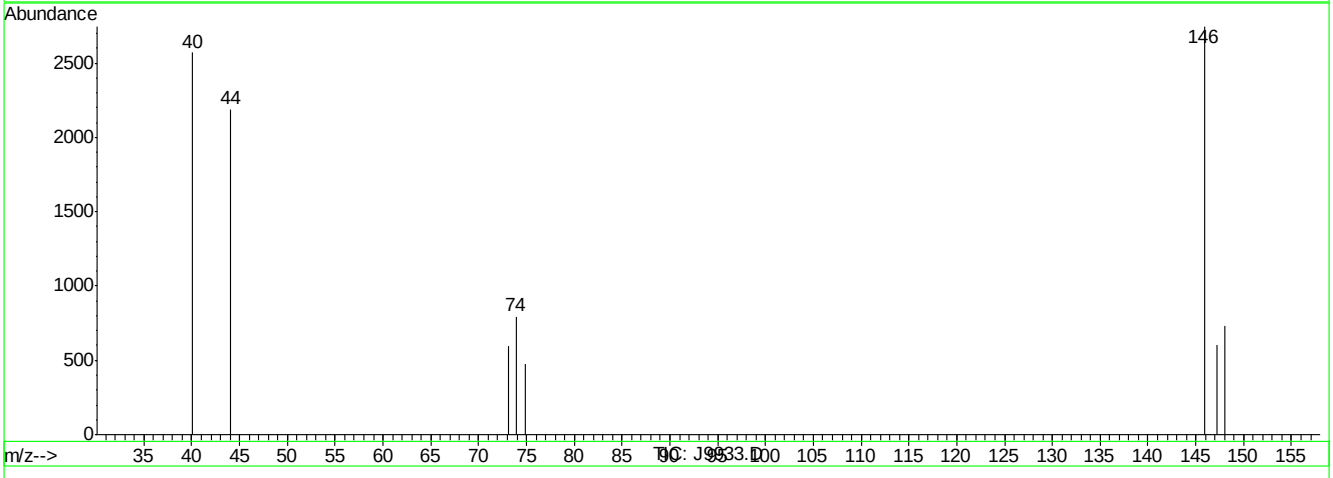
Quantitation Report (Qedit)

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

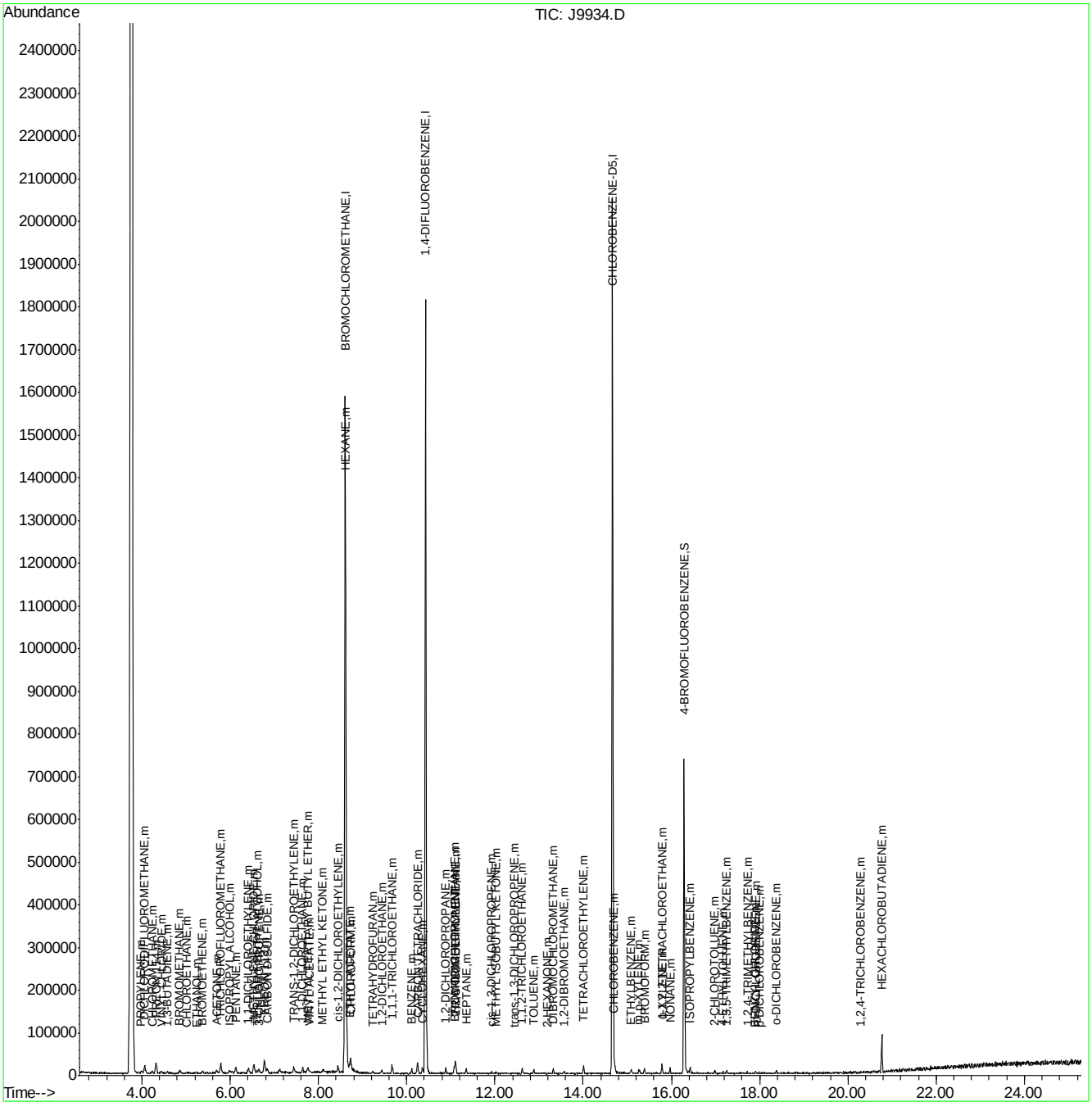
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.93	75	2014	0.07	PPBV		85
46) TOLUENE	12.88	92	3597	0.10	PPBV		87
47) trans-1,3-DICHLOROPROPENE	12.43	75	772	0.04	PPBV	#	70
48) 1,1,2-TRICHLOROETHANE	12.61	83	3072	0.14	PPBV		84
50) 2-HEXANONE	13.20	43	2357m	0.07	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

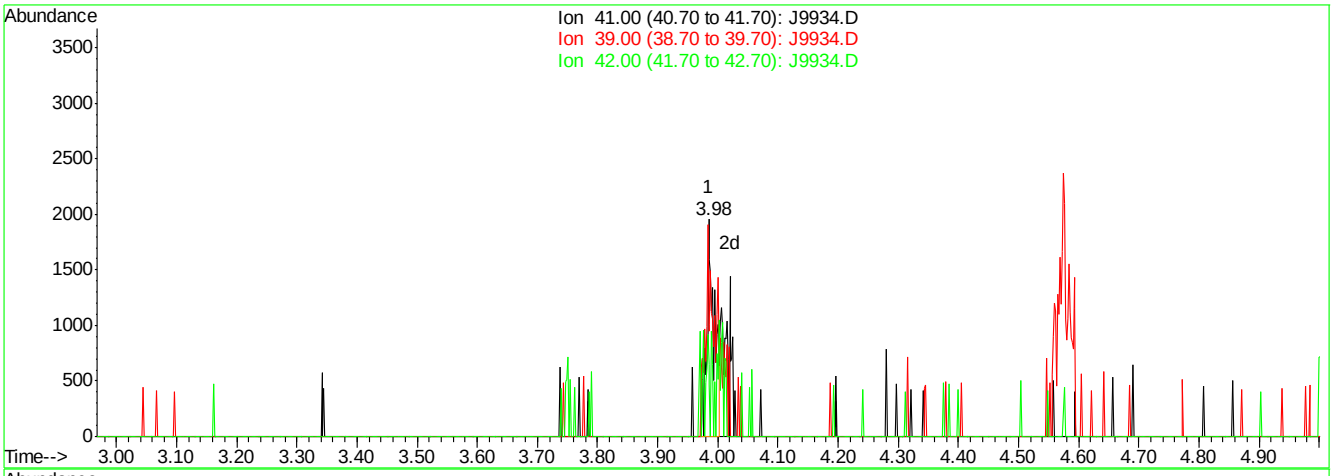


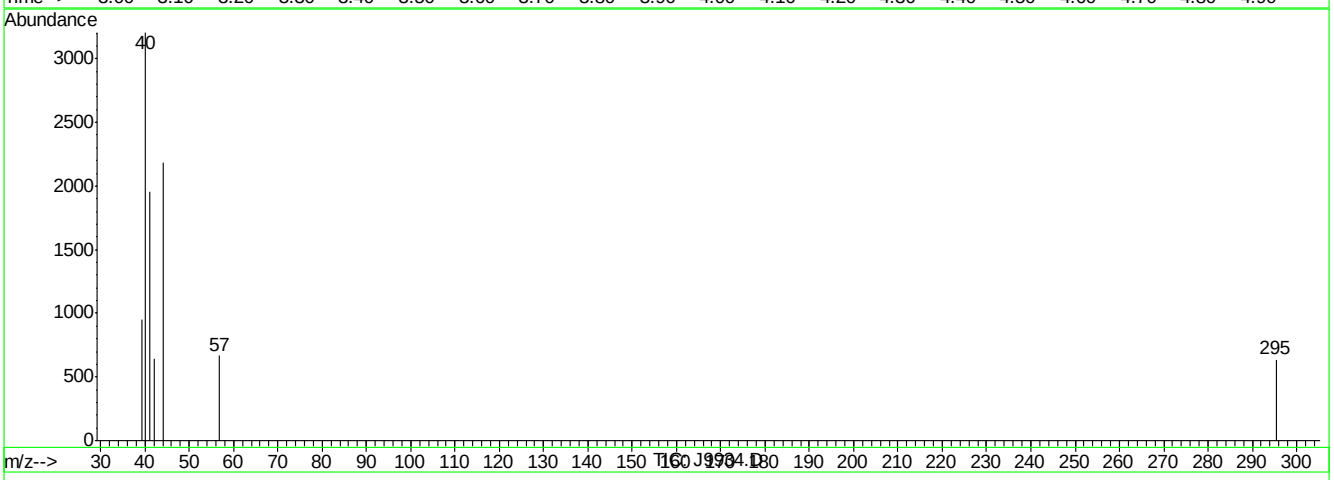
Quantitation Report (Qedit)

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

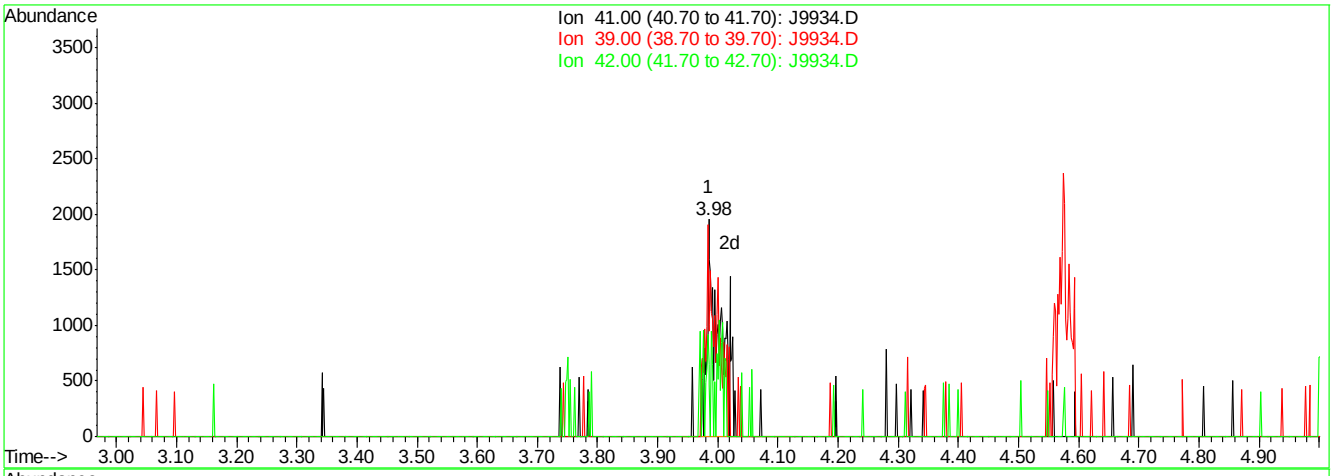
J9934.D J040407T.M Thu Apr 05 17:11:36 2007

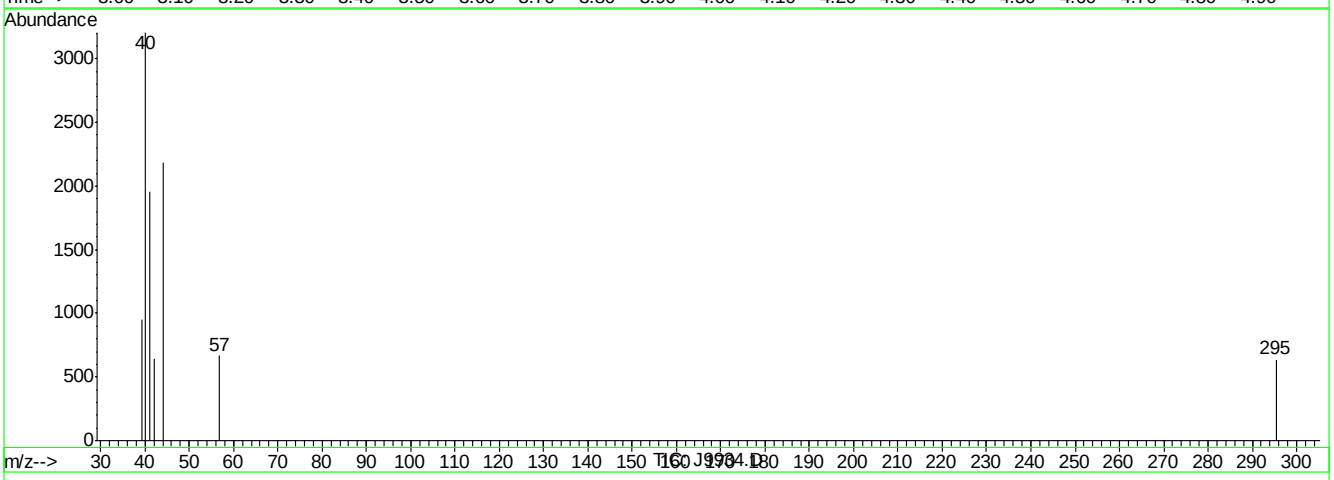
Quantitation Report (Qedit)

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

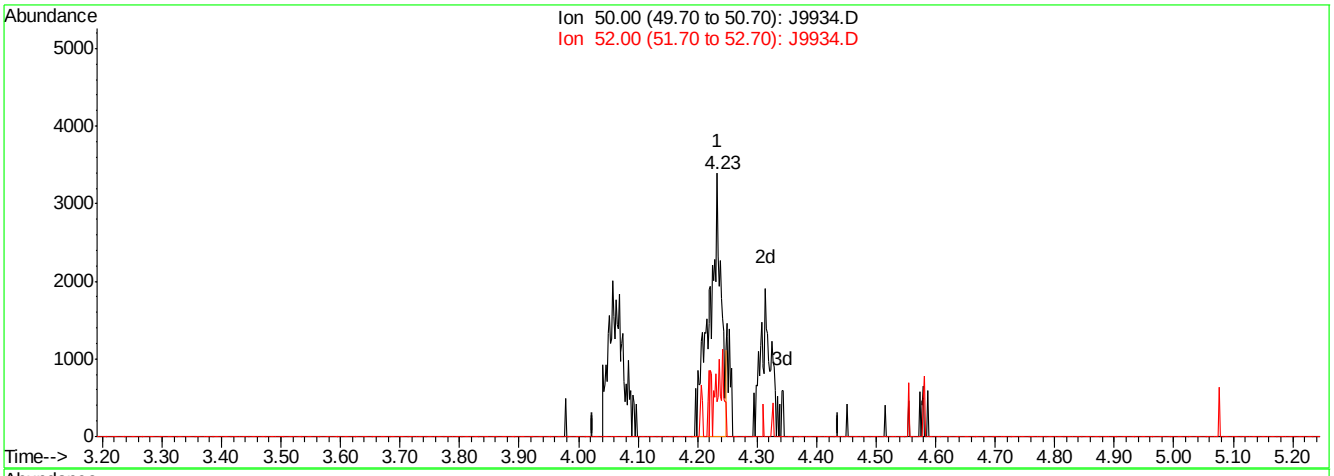
J9934.D J040407T.M Thu Apr 05 17:11:39 2007

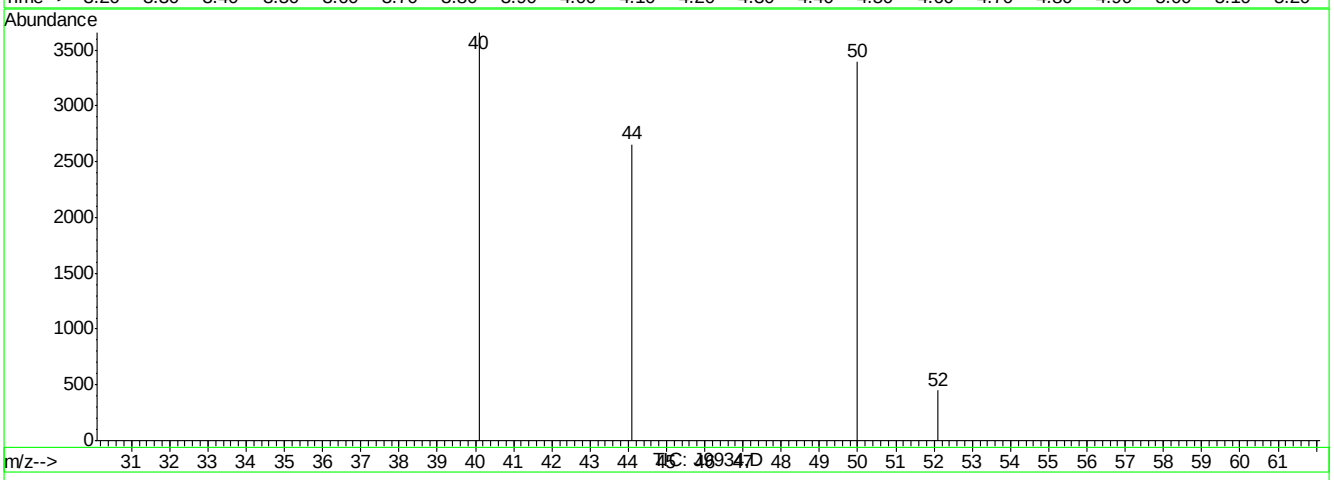
Quantitation Report (Qedit)

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

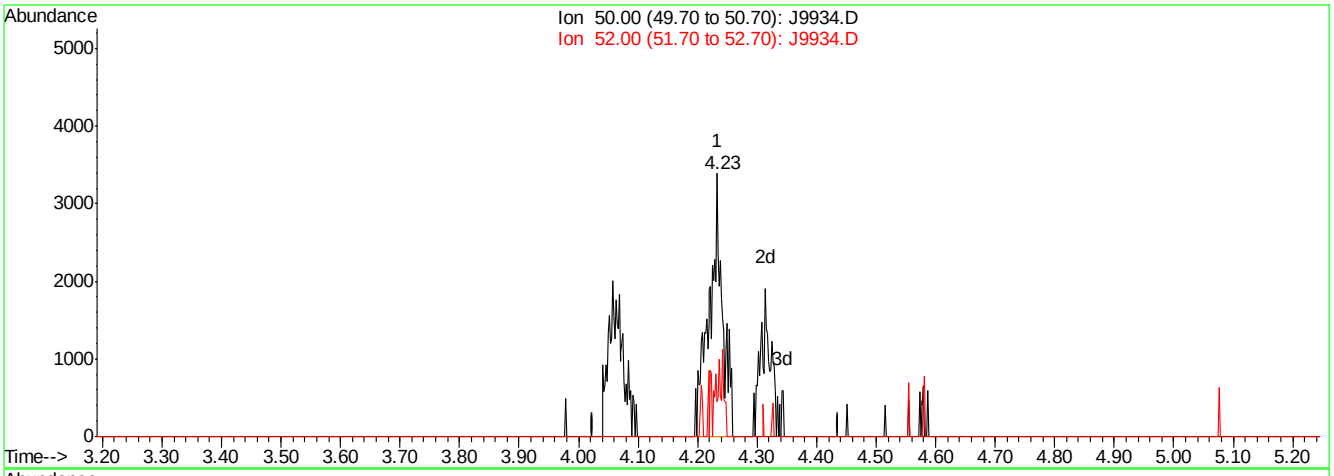
J9934.D J040407T.M Thu Apr 05 17:12:26 2007

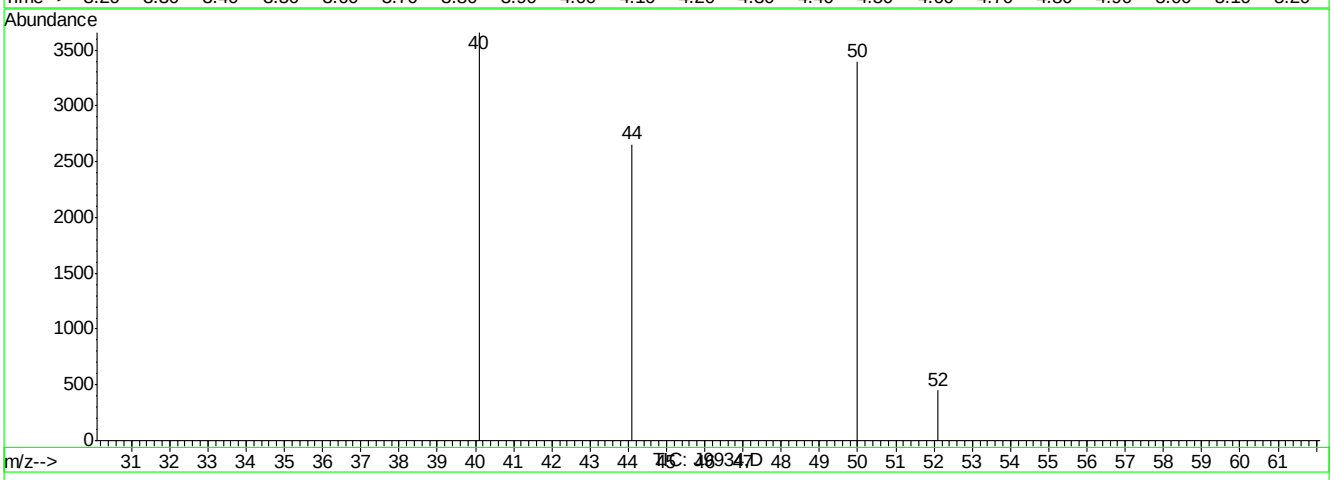
Quantitation Report (Qedit)

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

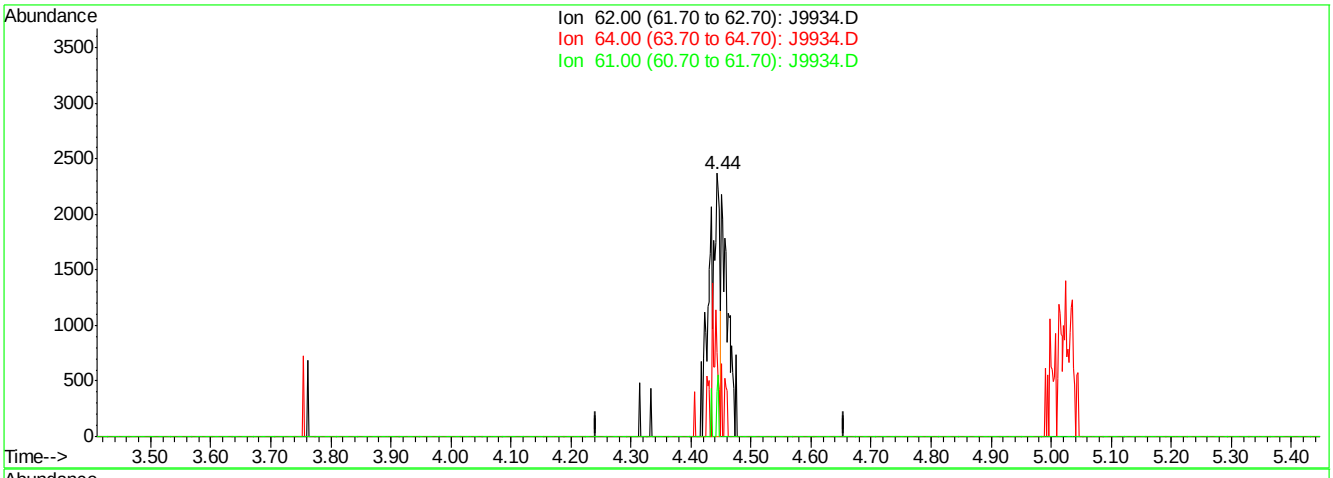
J9934.D J040407T.M Thu Apr 05 17:12:31 2007

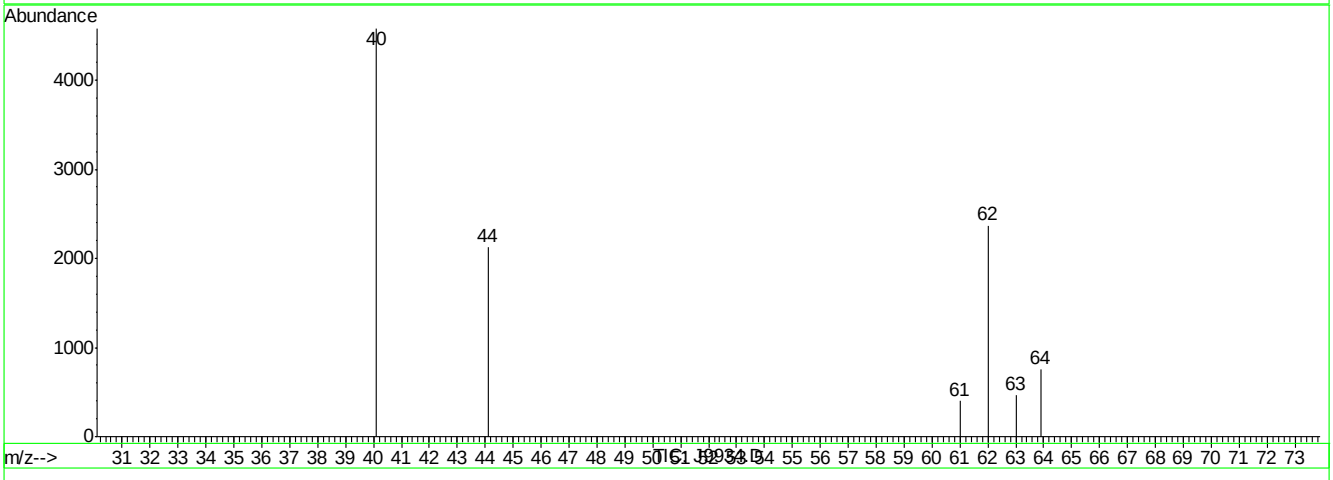
Quantitation Report (Qedit)

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

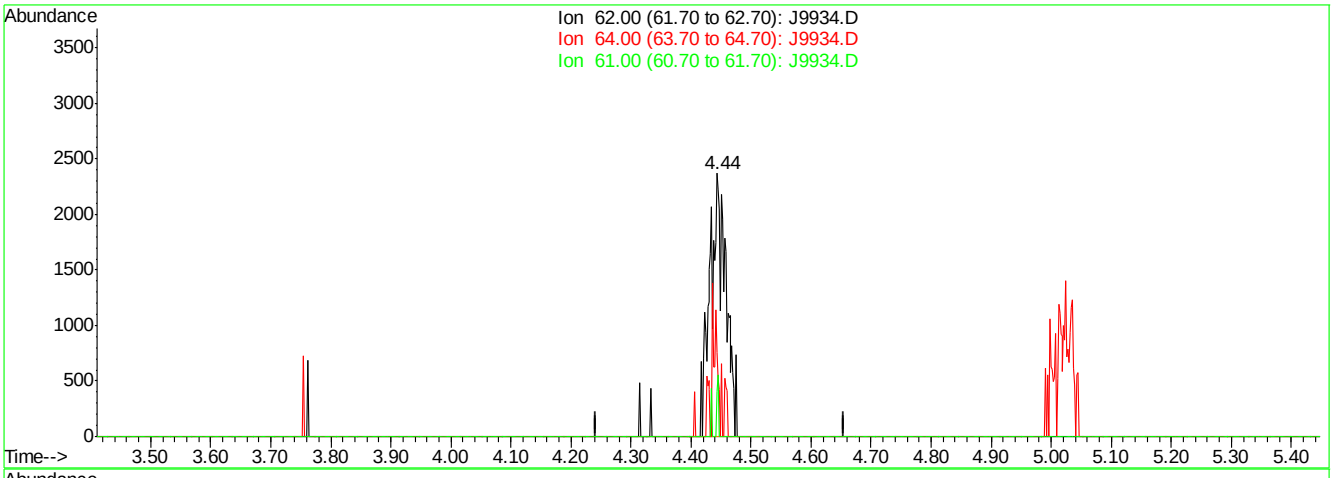
J9934.D J040407T.M Thu Apr 05 17:12:34 2007

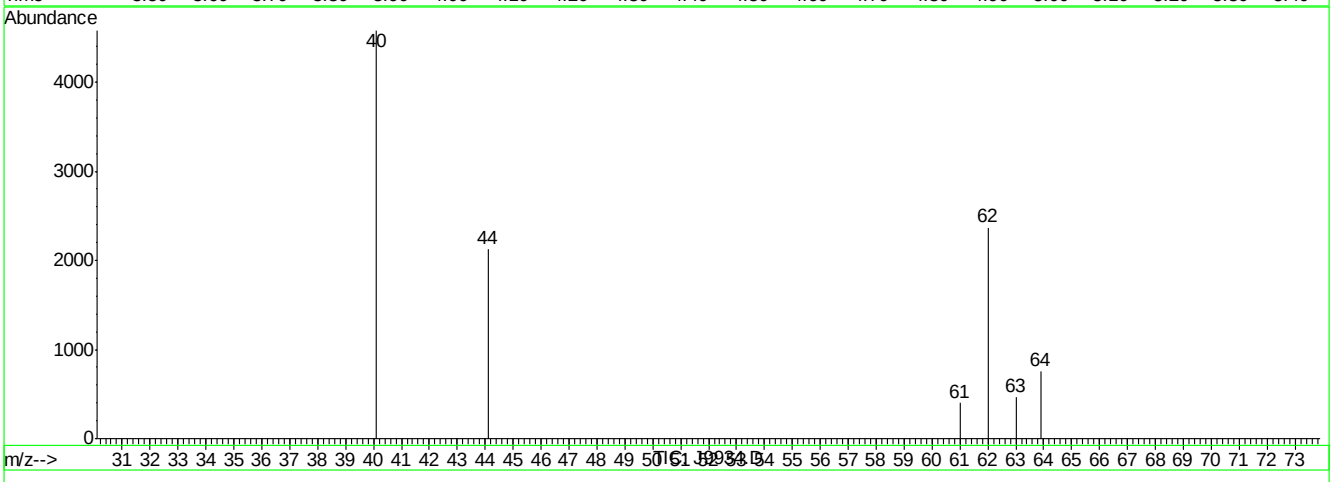
Quantitation Report (Qedit)

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

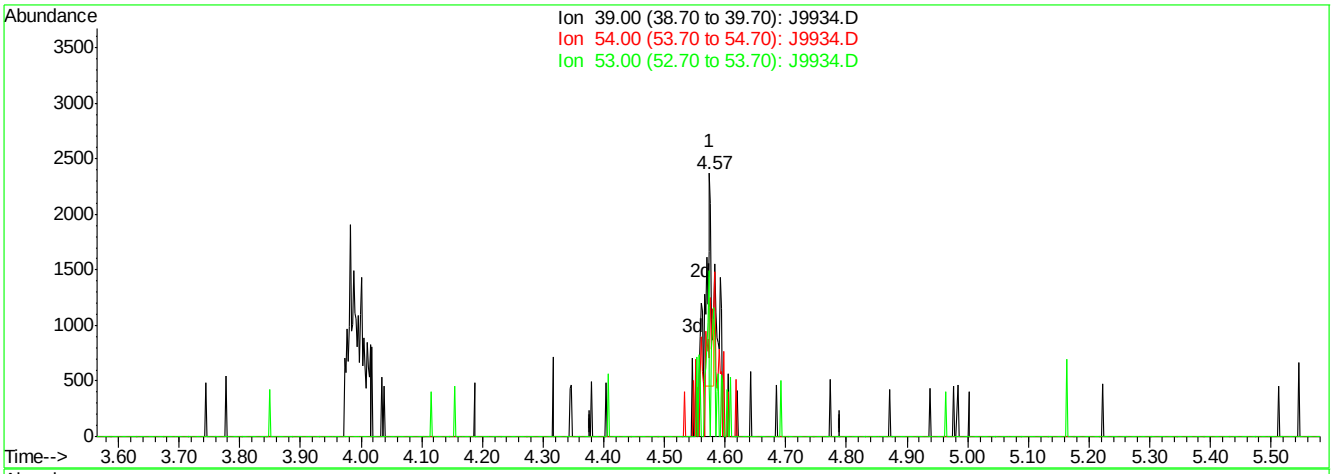
J9934.D J040407T.M Thu Apr 05 17:12:37 2007

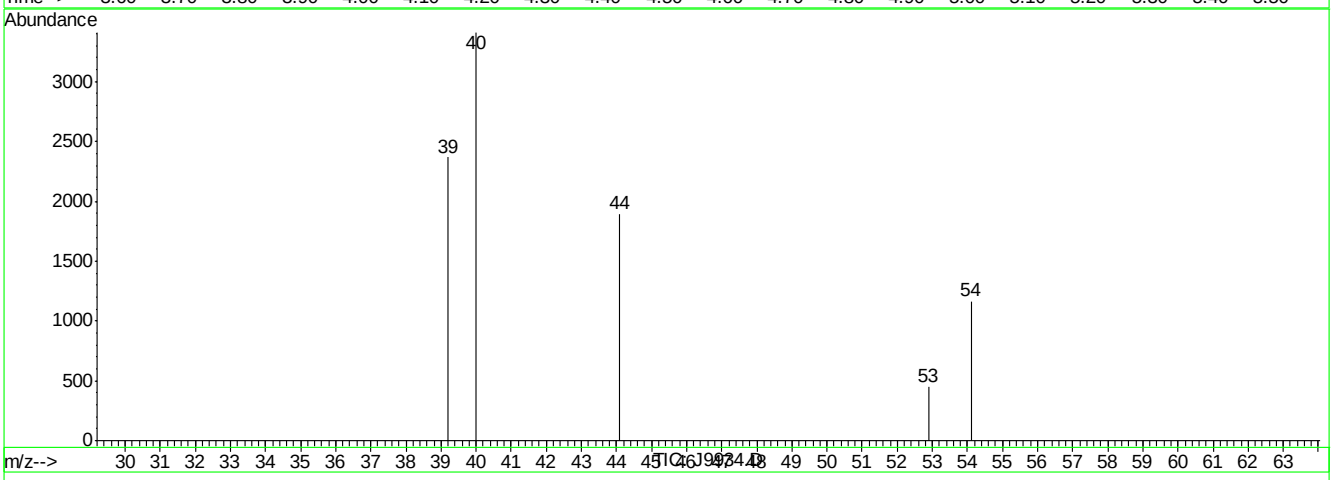
Quantitation Report (Qedit)

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

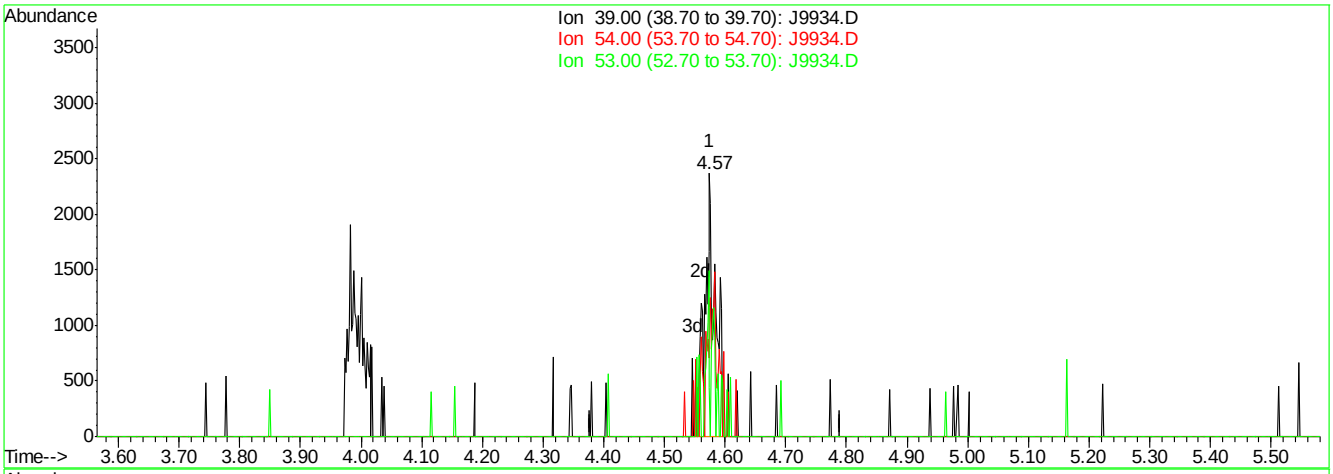
J9934.D J040407T.M Thu Apr 05 17:12:40 2007

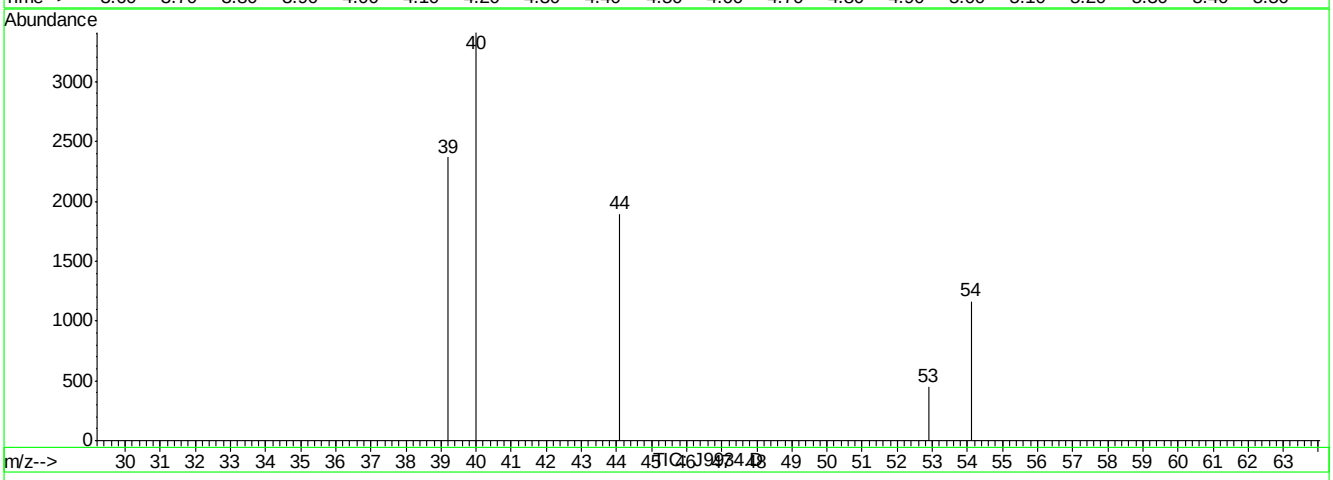
Quantitation Report (Qedit)

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

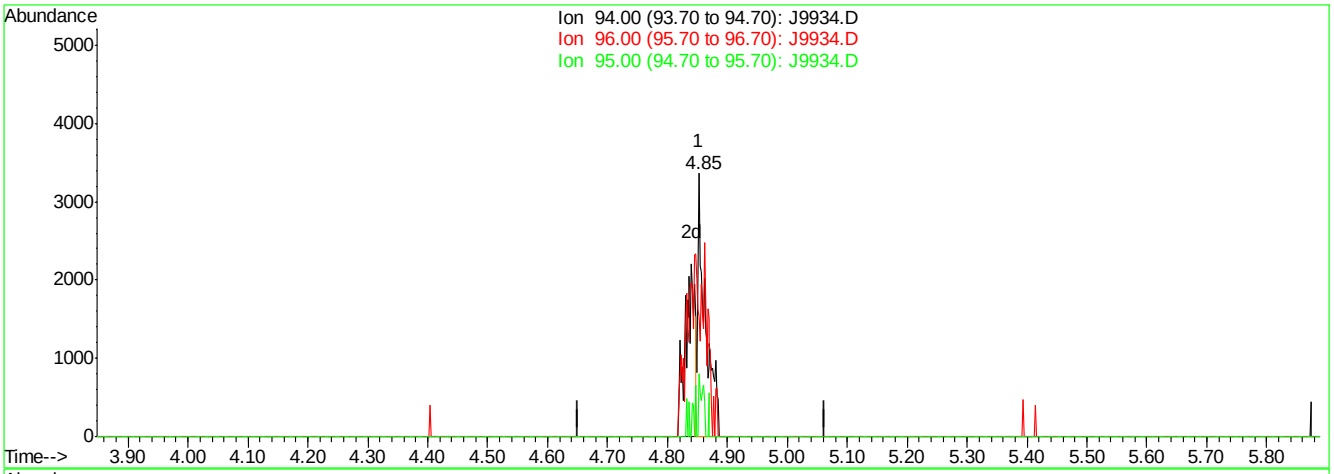
J9934.D J040407T.M Thu Apr 05 17:12:44 2007

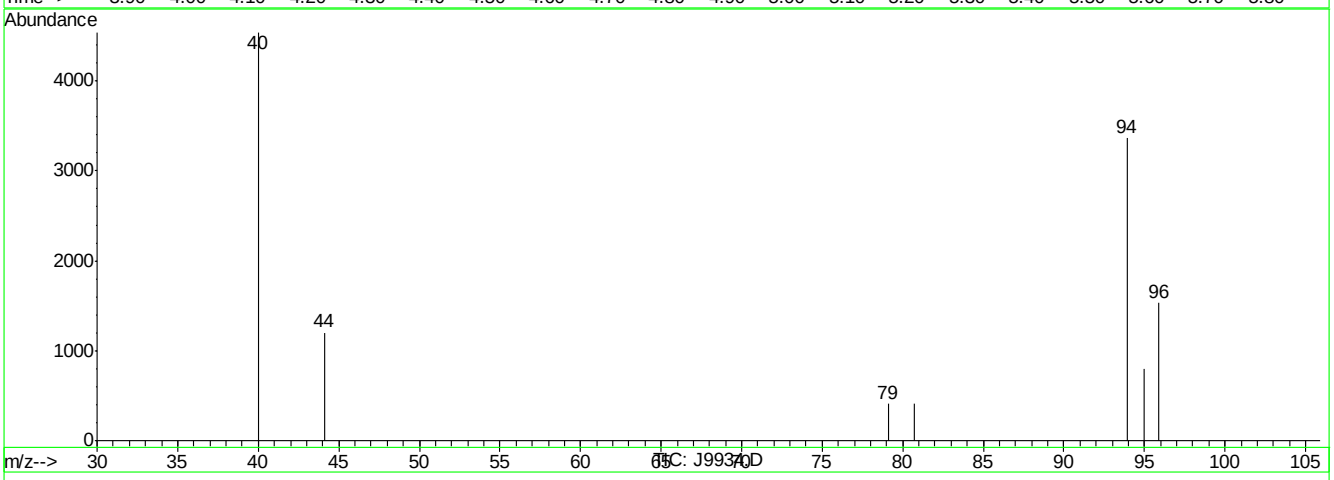
Quantitation Report (Qedit)

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

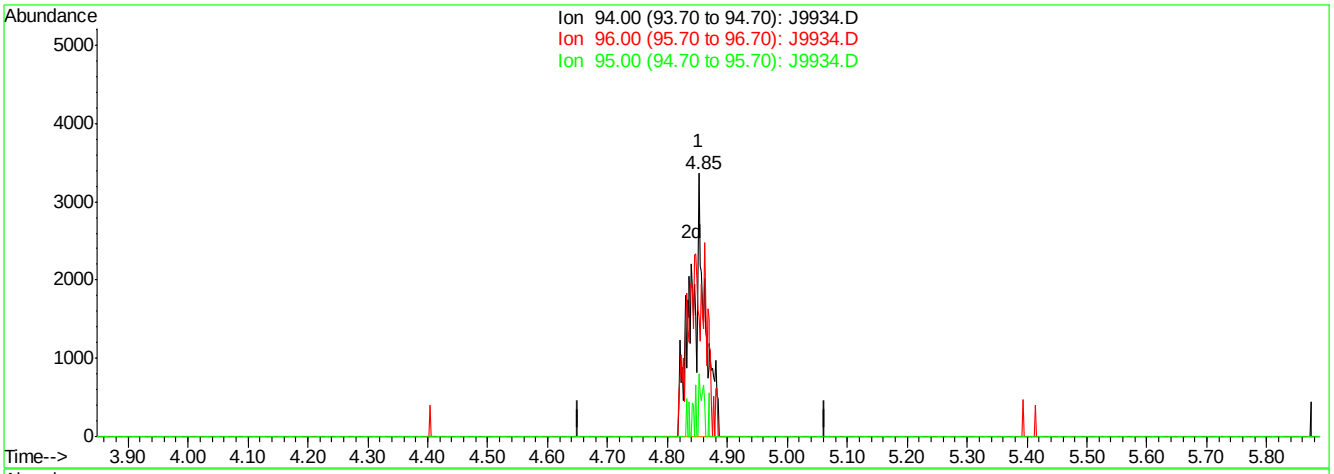
J9934.D J040407T.M Thu Apr 05 17:12:47 2007

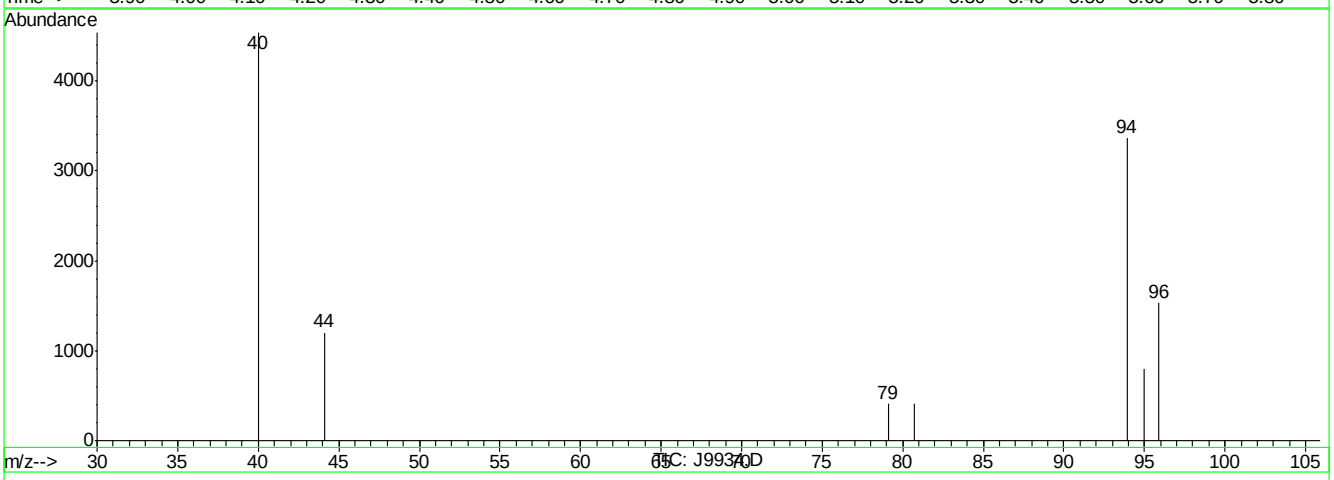
Quantitation Report (Qedit)

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

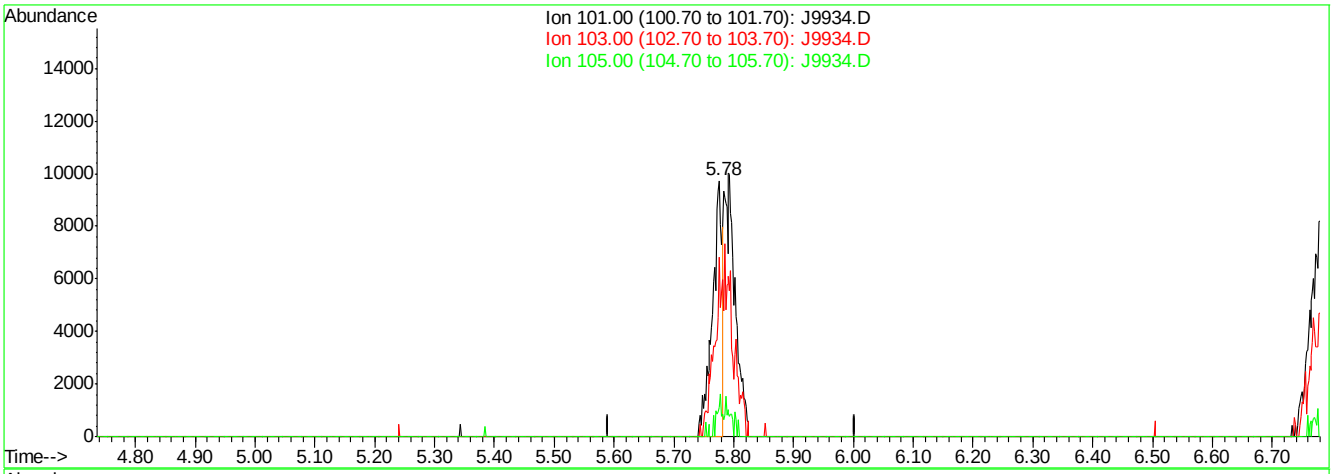
J9934.D J040407T.M Thu Apr 05 17:12:50 2007

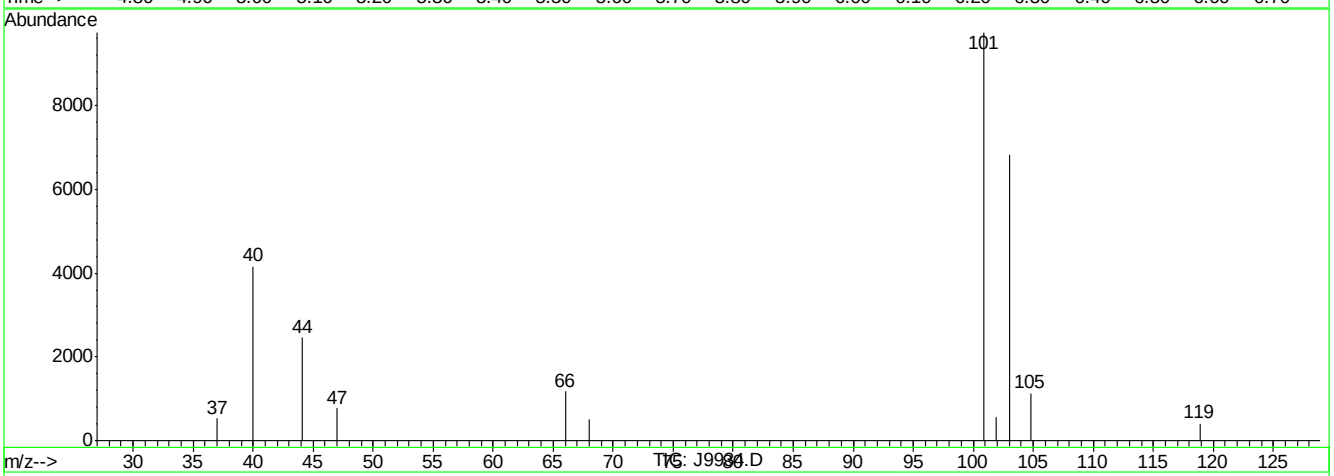
Quantitation Report (Qedit)

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

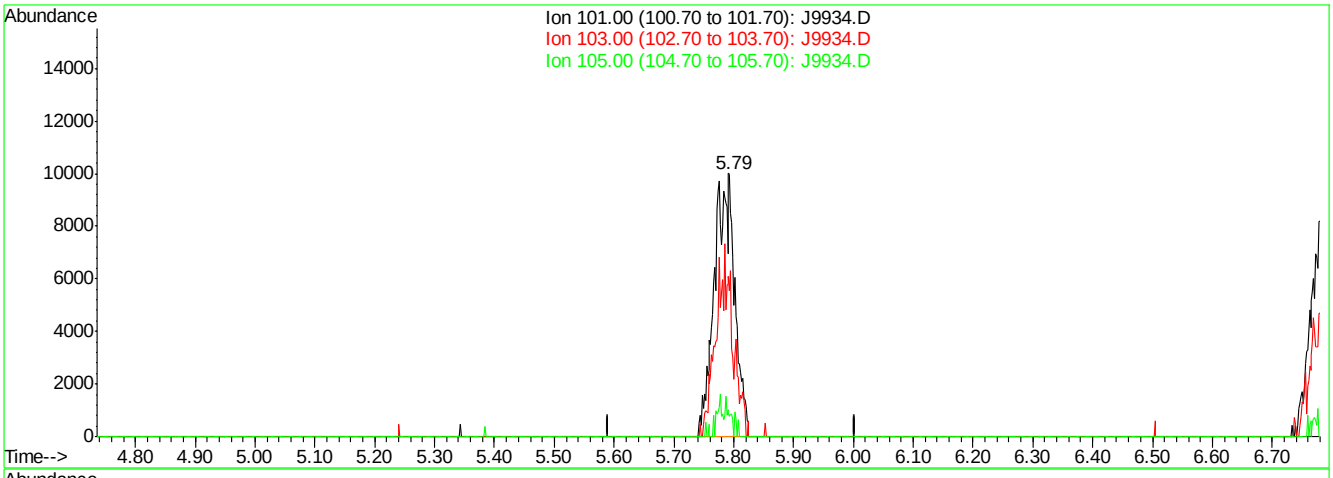
J9934.D J040407T.M Thu Apr 05 17:12:58 2007

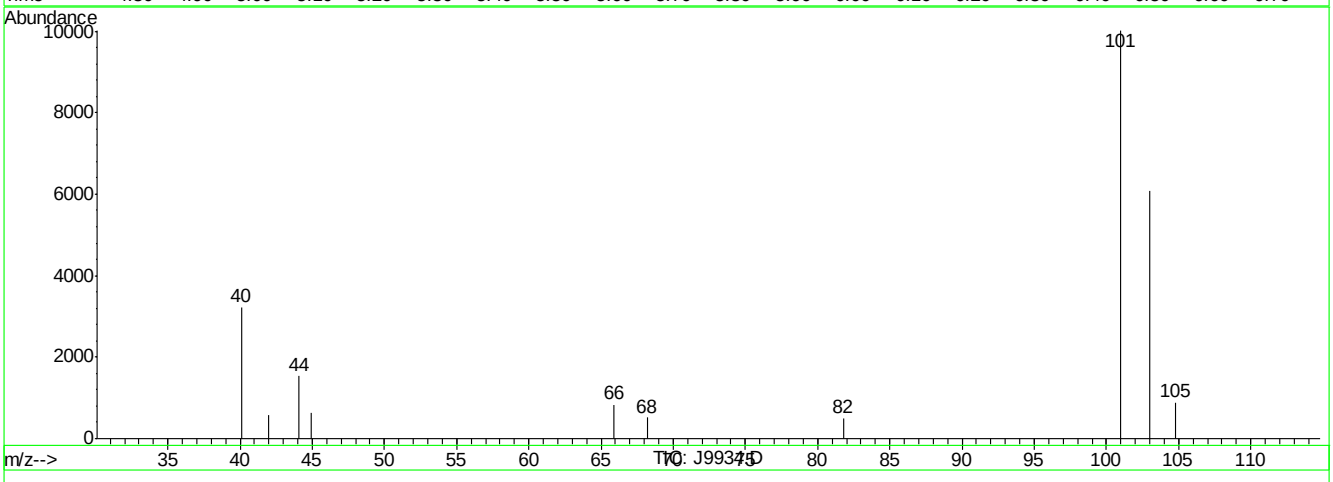
Quantitation Report (Qedit)

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

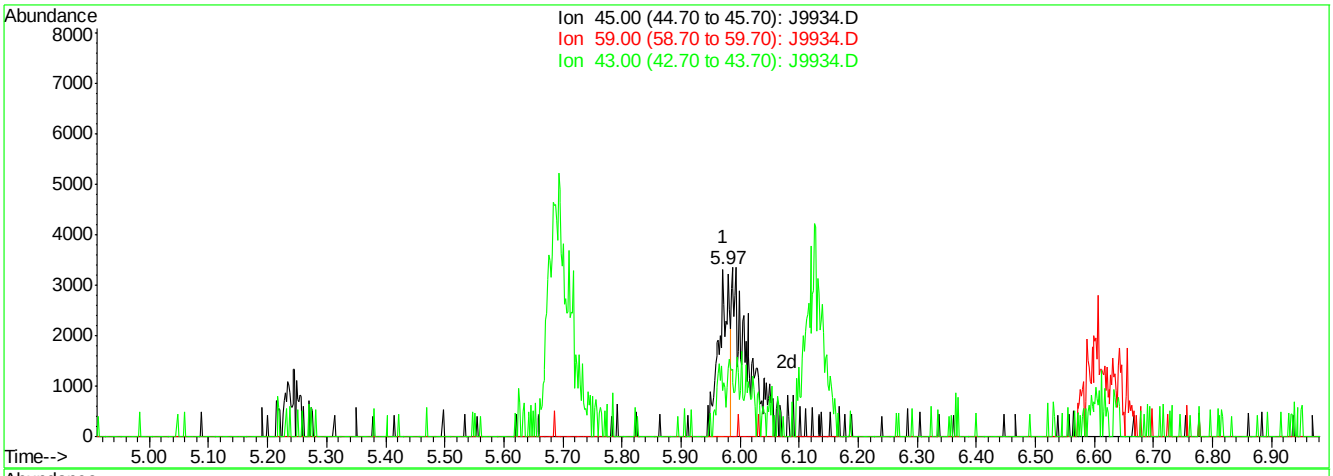
J9934.D J040407T.M Thu Apr 05 17:13:02 2007

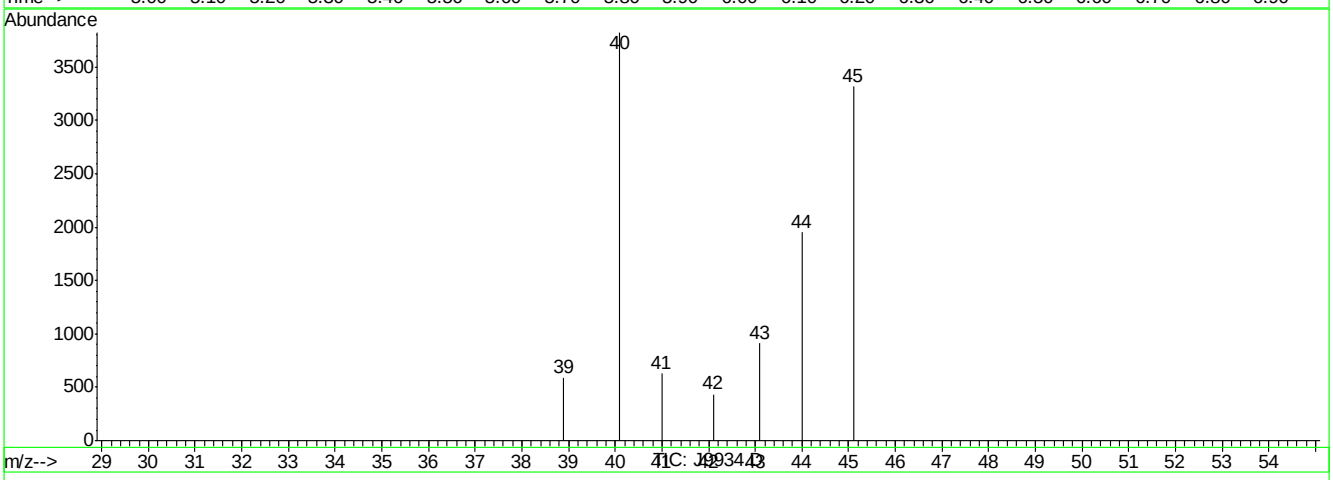
Quantitation Report (Qedit)

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

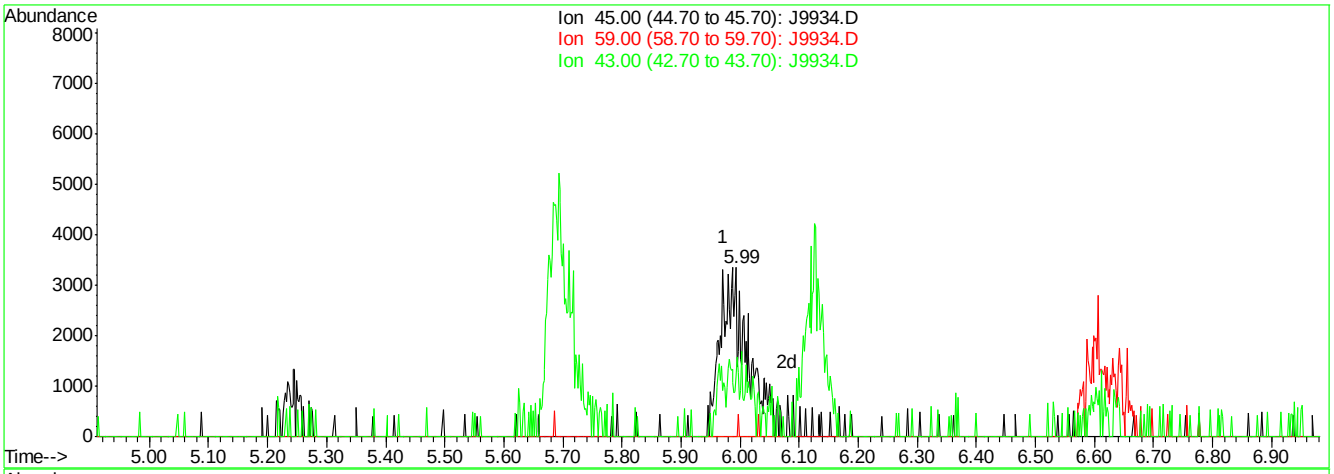
J9934.D J040407T.M Thu Apr 05 17:13:13 2007

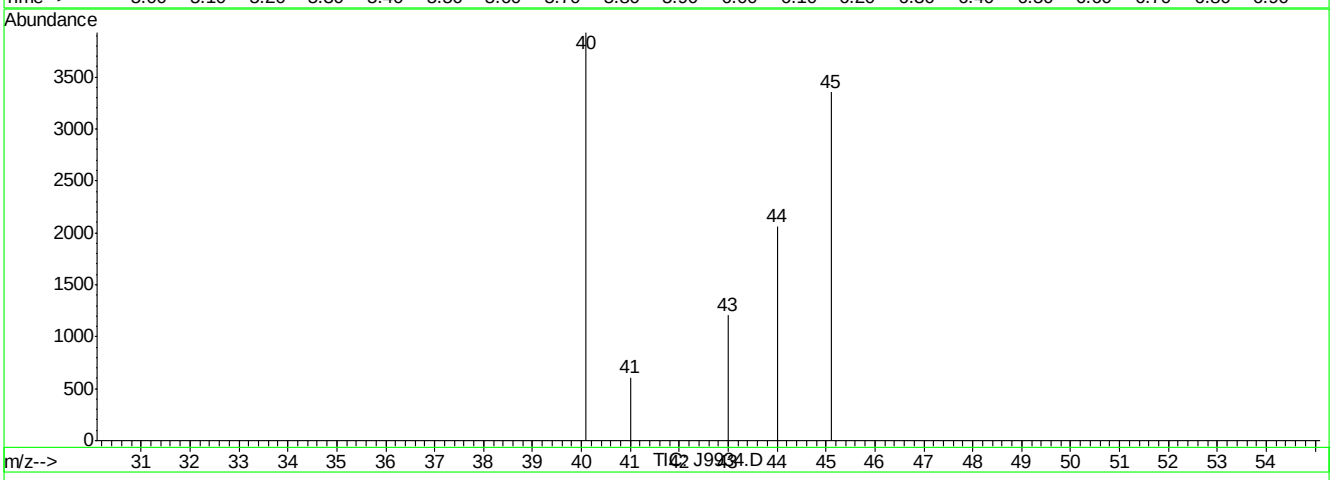
Quantitation Report (Qedit)

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

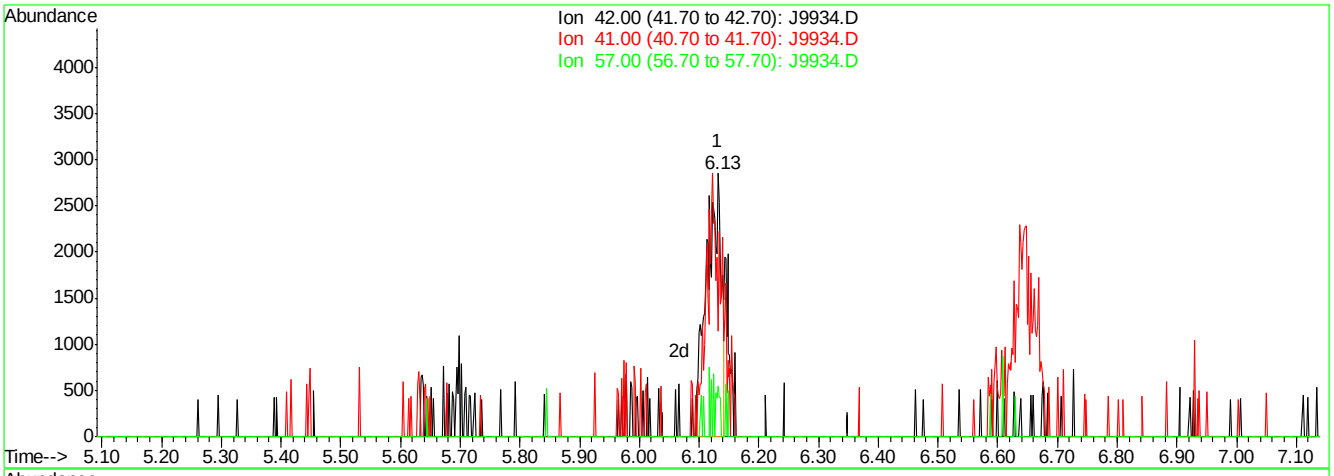
J9934.D J040407T.M Thu Apr 05 17:13:17 2007

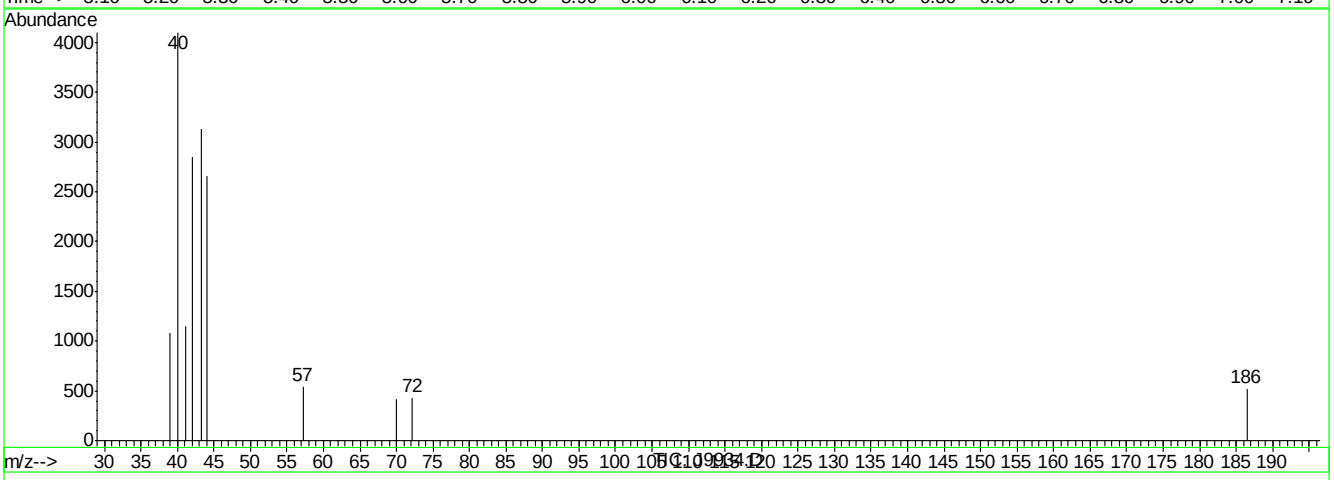
Quantitation Report (Qedit)

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

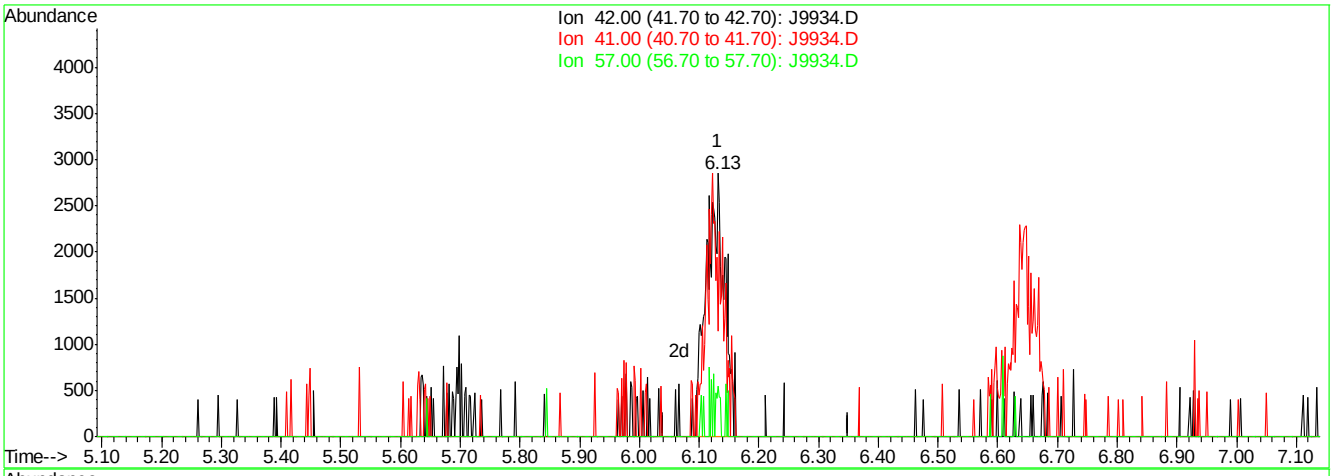
J9934.D J040407T.M Thu Apr 05 17:13:22 2007

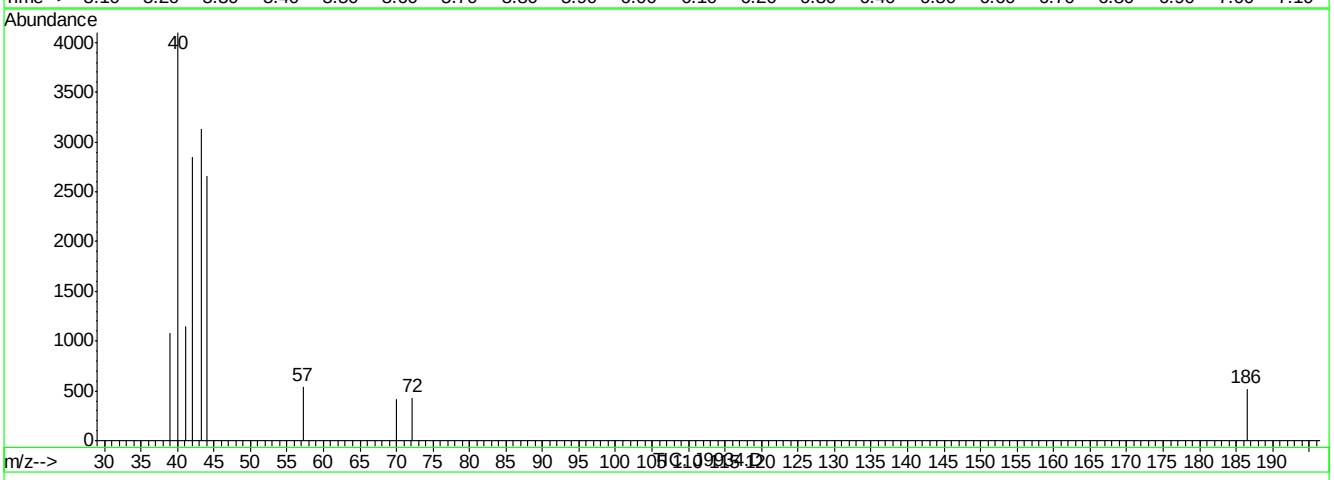
Quantitation Report (Qedit)

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

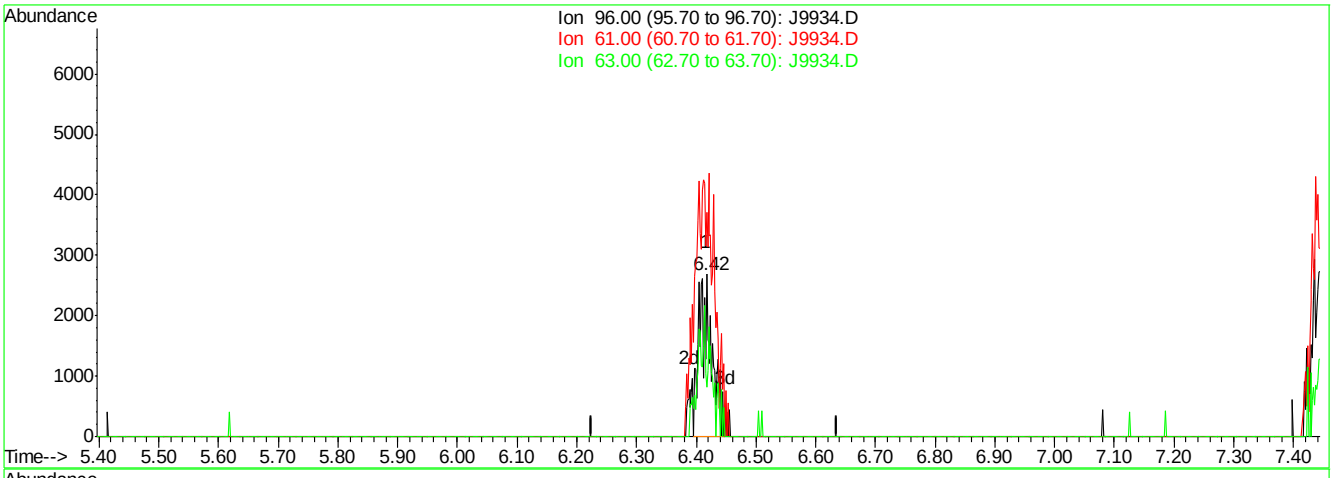
J9934.D J040407T.M Thu Apr 05 17:13:25 2007

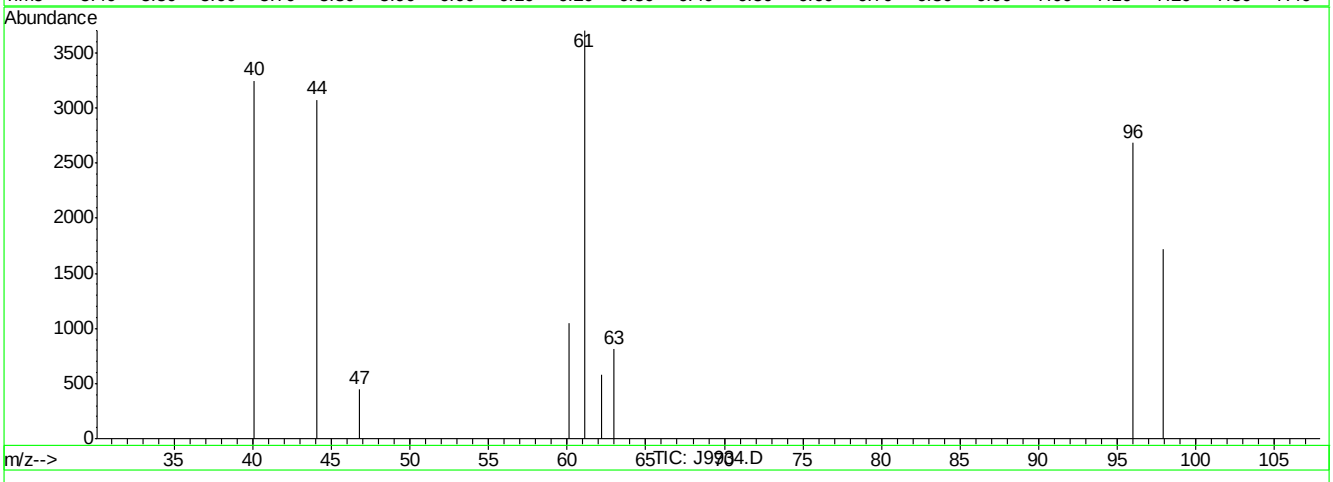
Quantitation Report (Qedit)

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

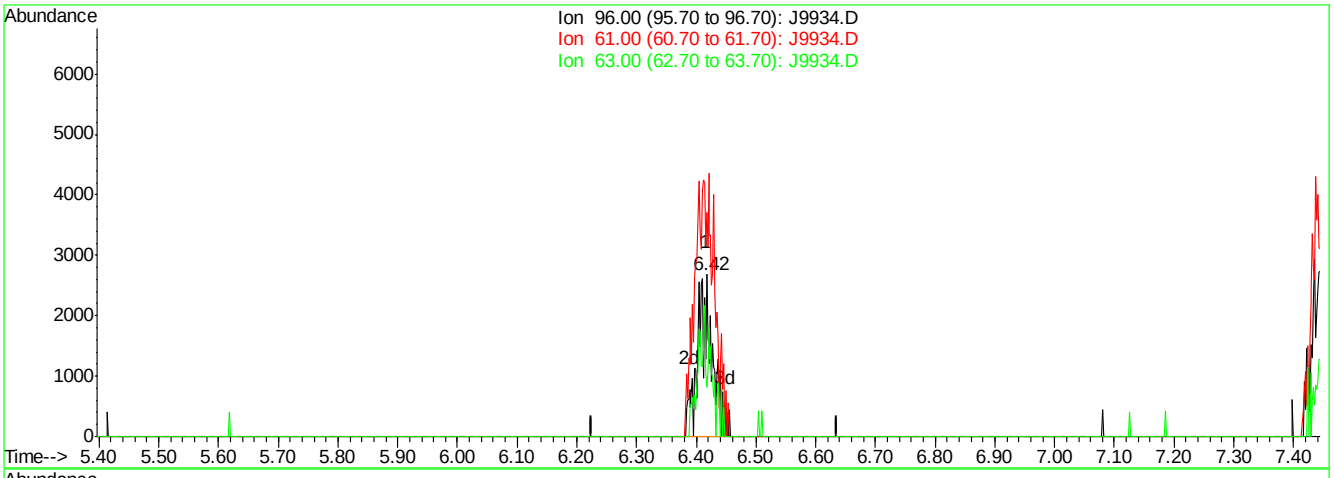
J9934.D J040407T.M Thu Apr 05 17:13:30 2007

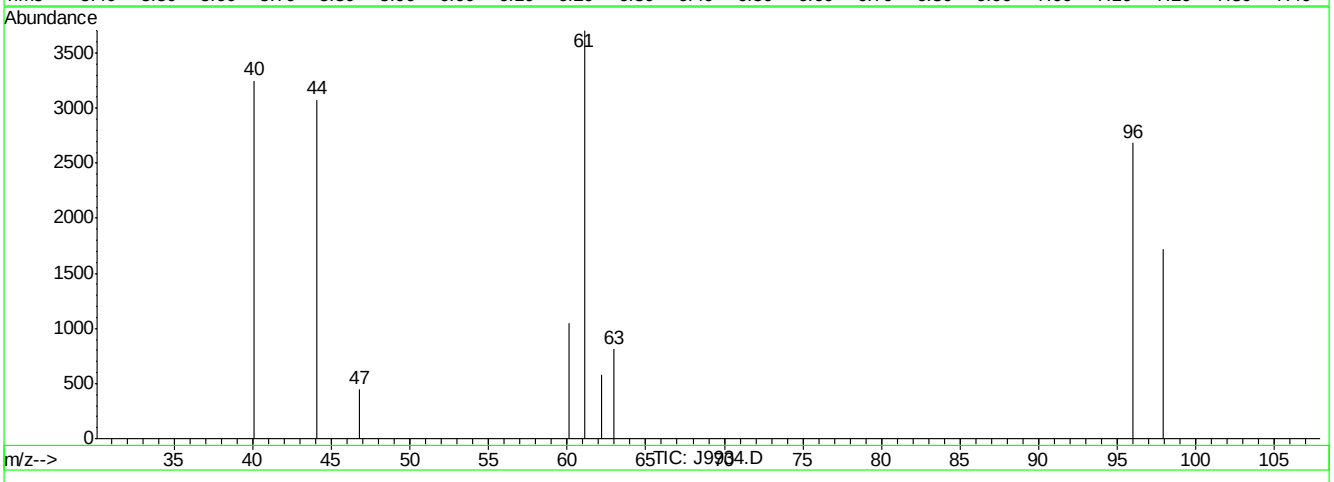
Quantitation Report (Qedit)

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

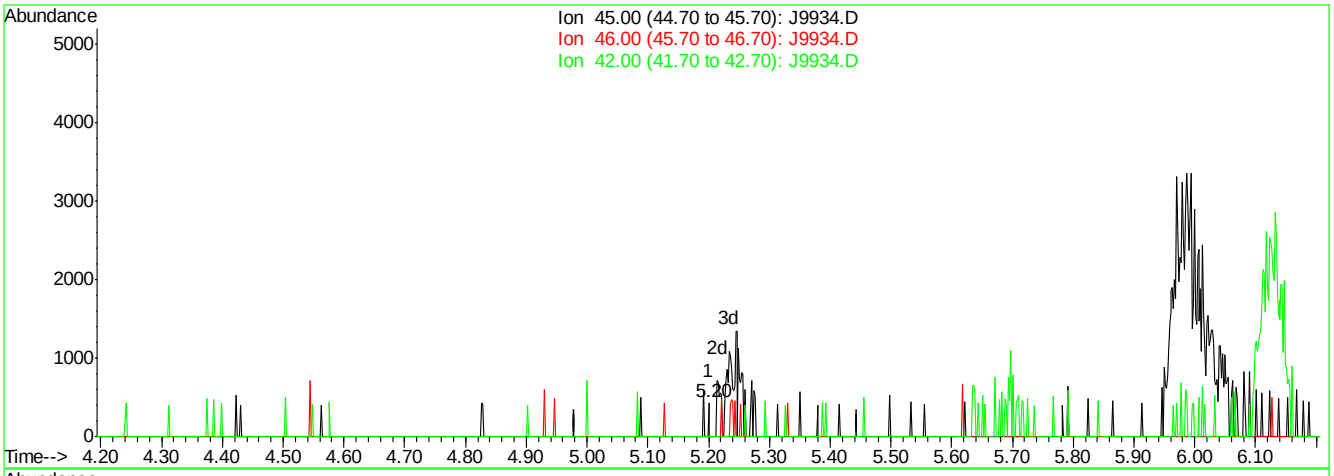
J9934.D J040407T.M Thu Apr 05 17:13:33 2007

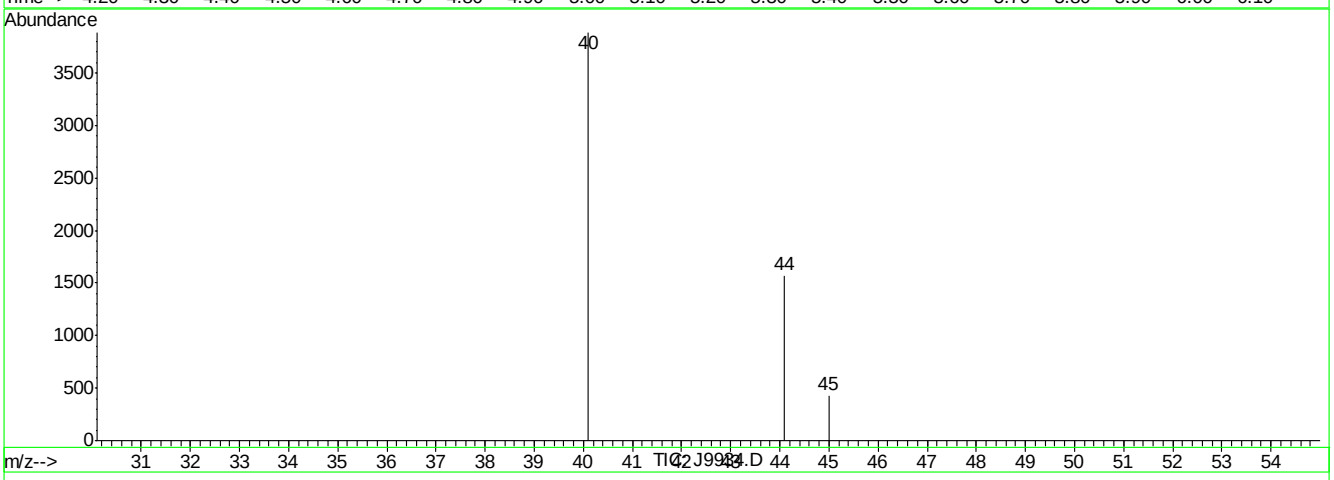
Quantitation Report (Qedit)

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

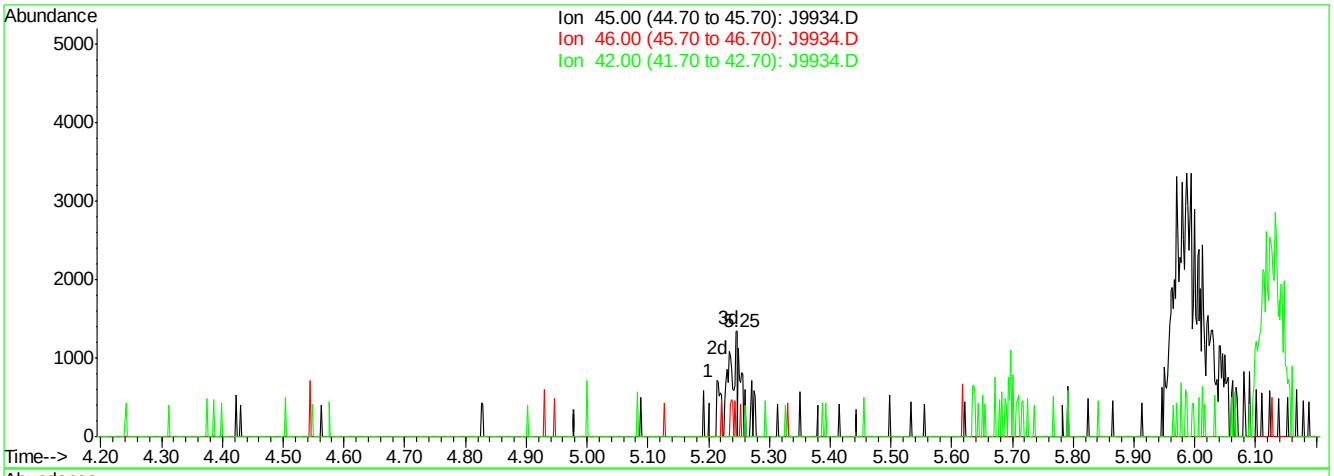
J9934.D J040407T.M Thu Apr 05 17:13:37 2007

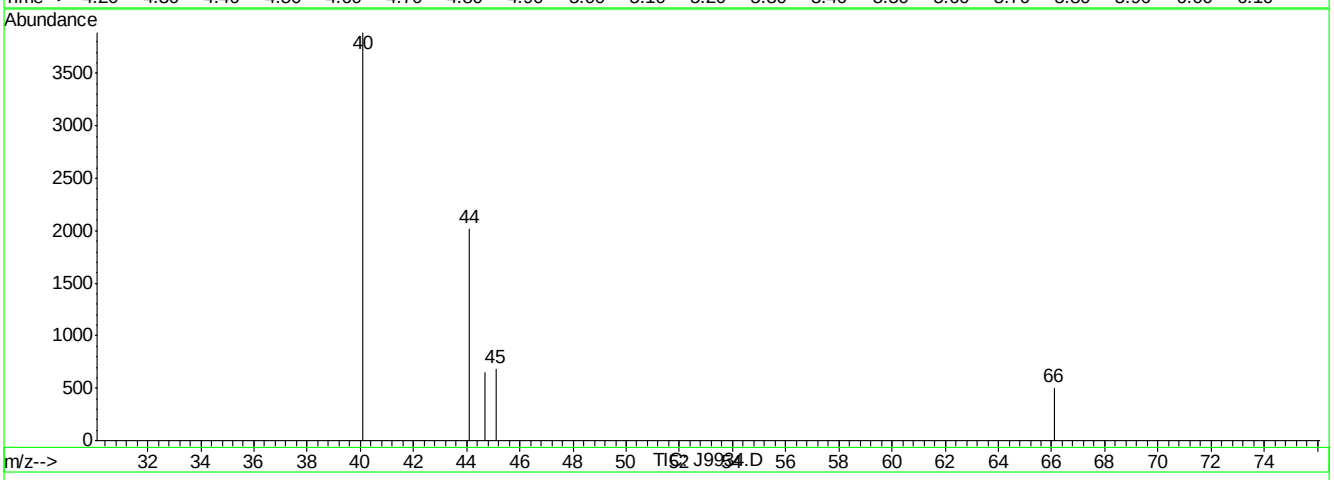
Quantitation Report (Qedit)

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

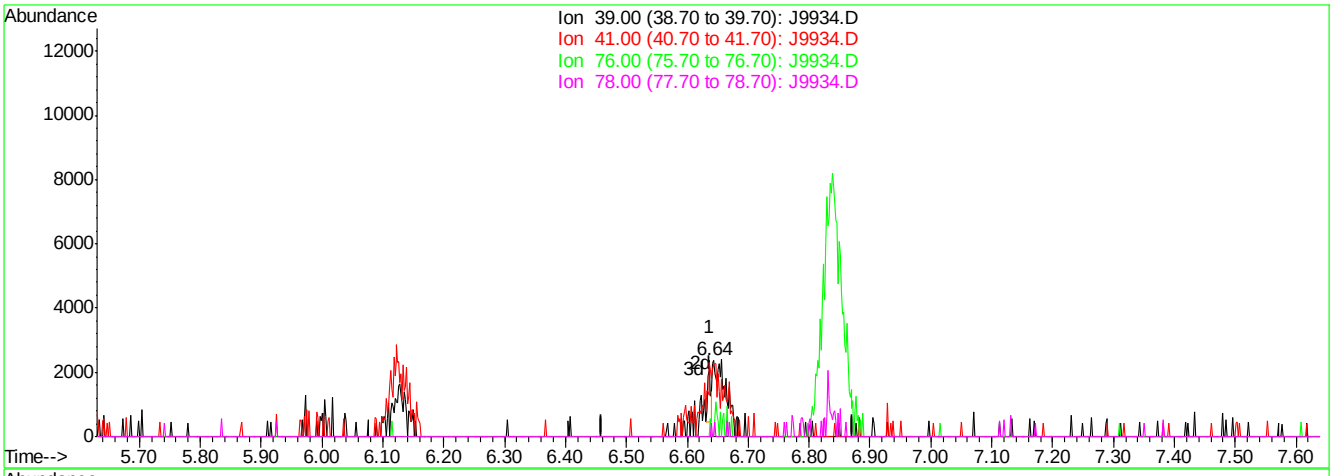
J9934.D J040407T.M Thu Apr 05 17:13:41 2007

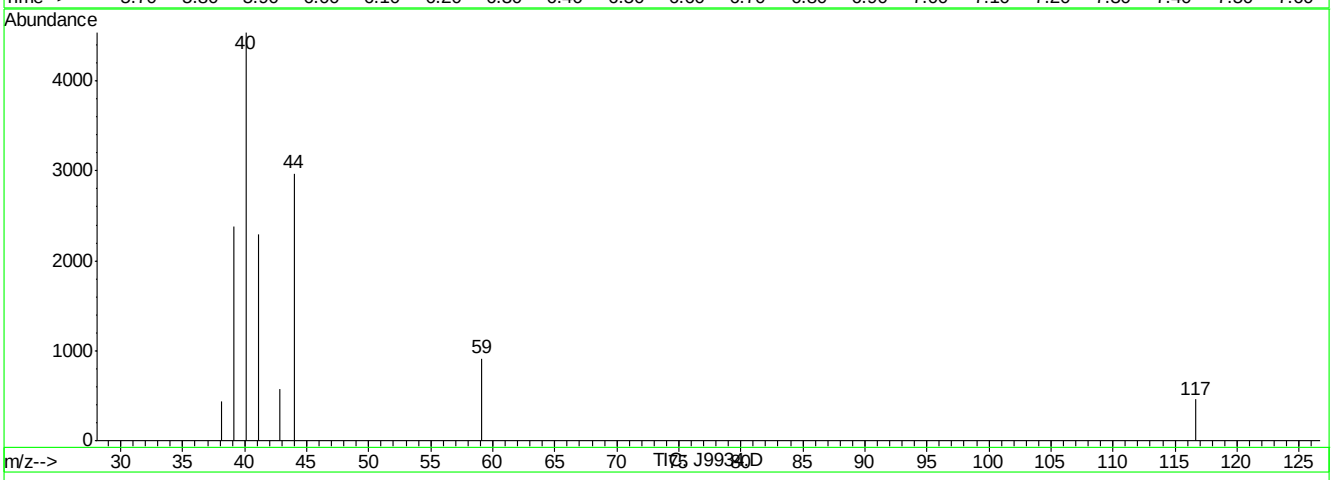
Quantitation Report (Qedit)

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

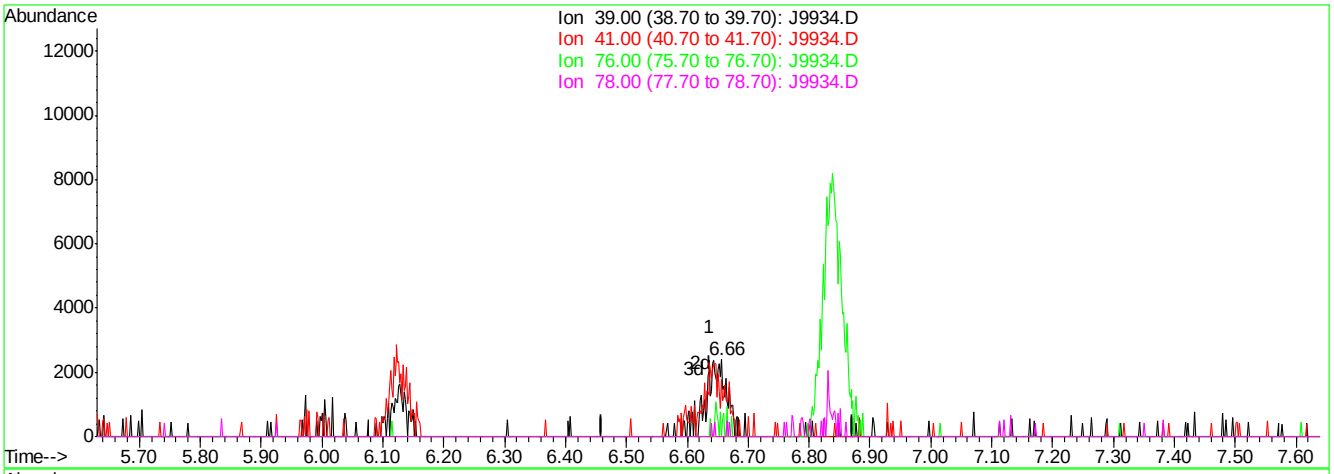
J9934.D J040407T.M Thu Apr 05 17:13:48 2007

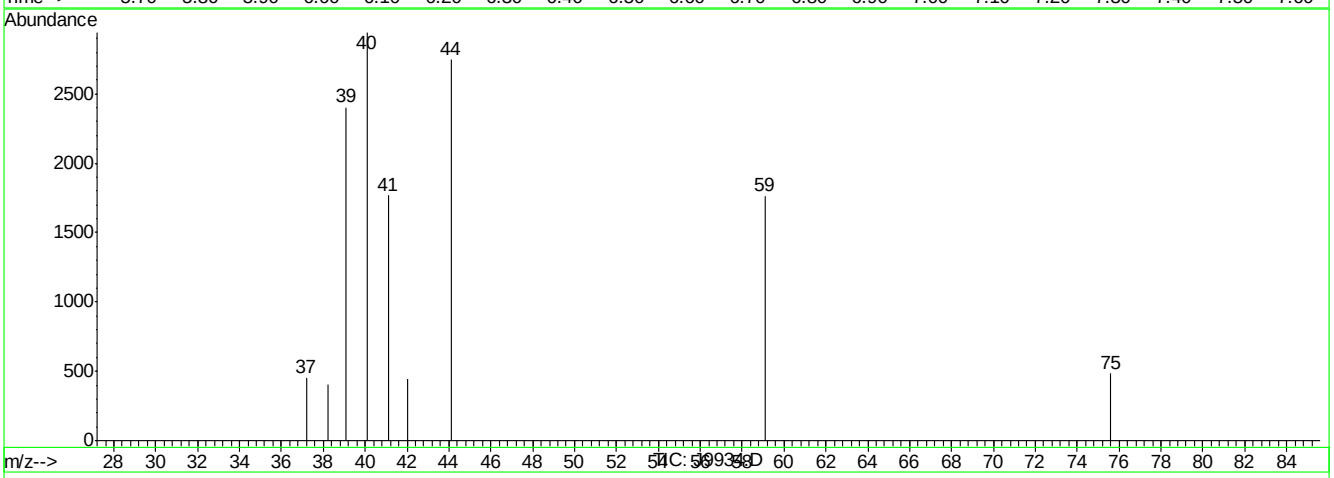
Quantitation Report (Qedit)

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

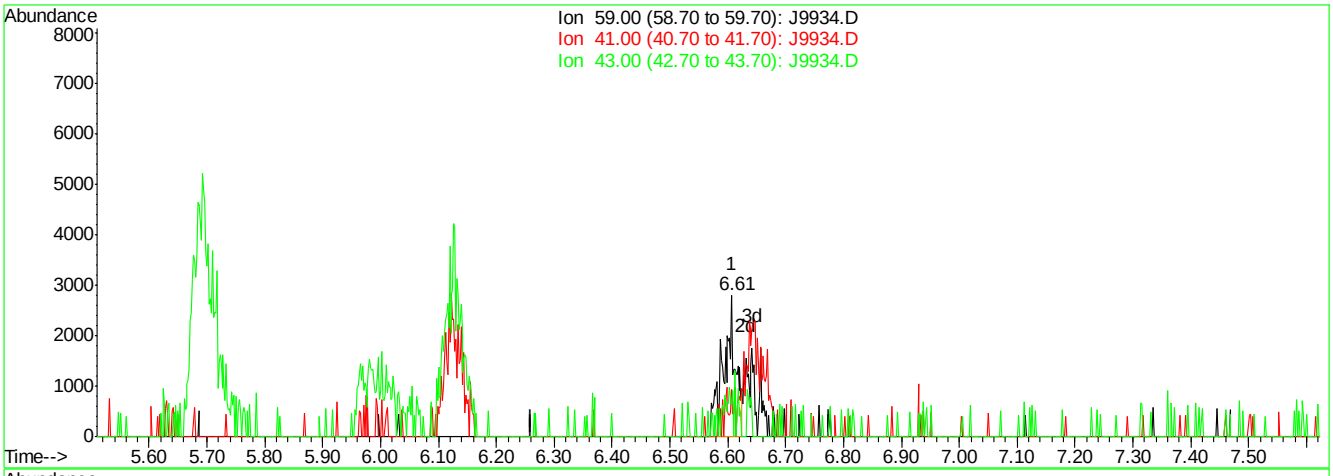
J9934.D J040407T.M Thu Apr 05 17:13:54 2007

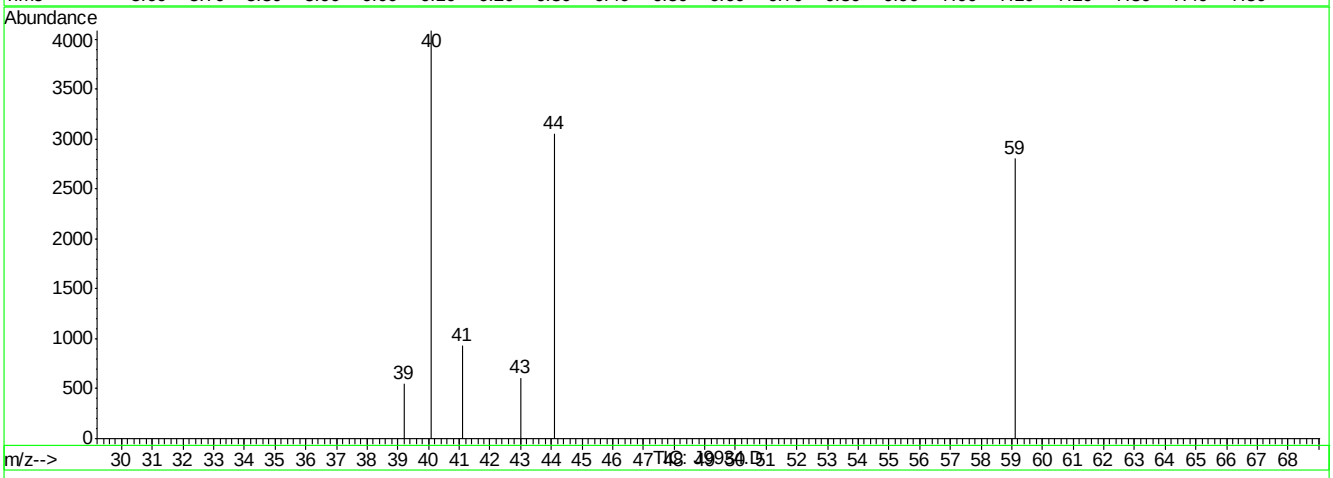
Quantitation Report (Qedit)

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

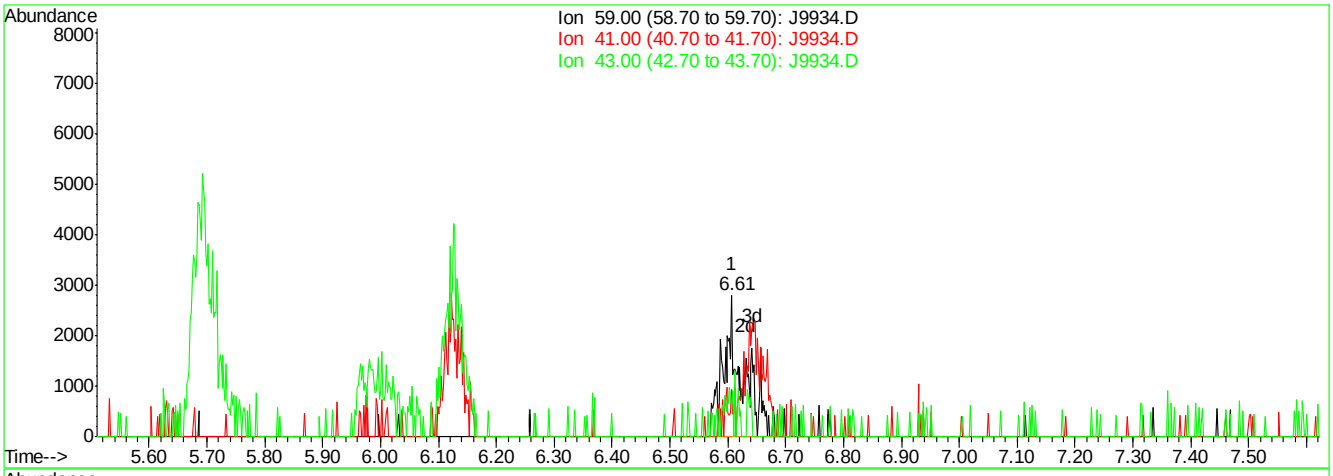
J9934.D J040407T.M Thu Apr 05 17:13:58 2007

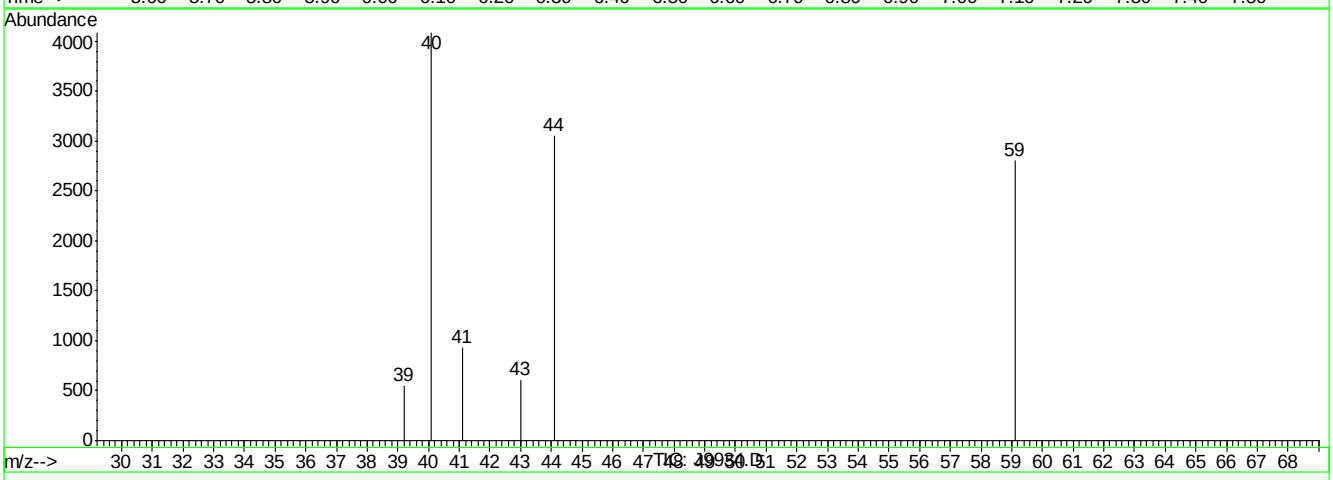
Quantitation Report (Qedit)

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

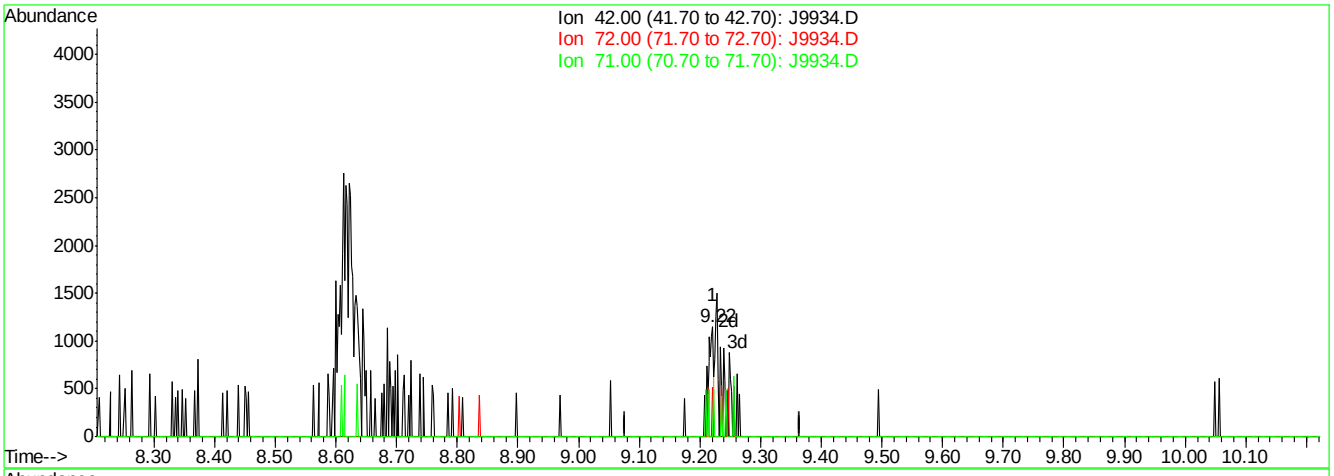
J9934.D J040407T.M Thu Apr 05 17:14:05 2007

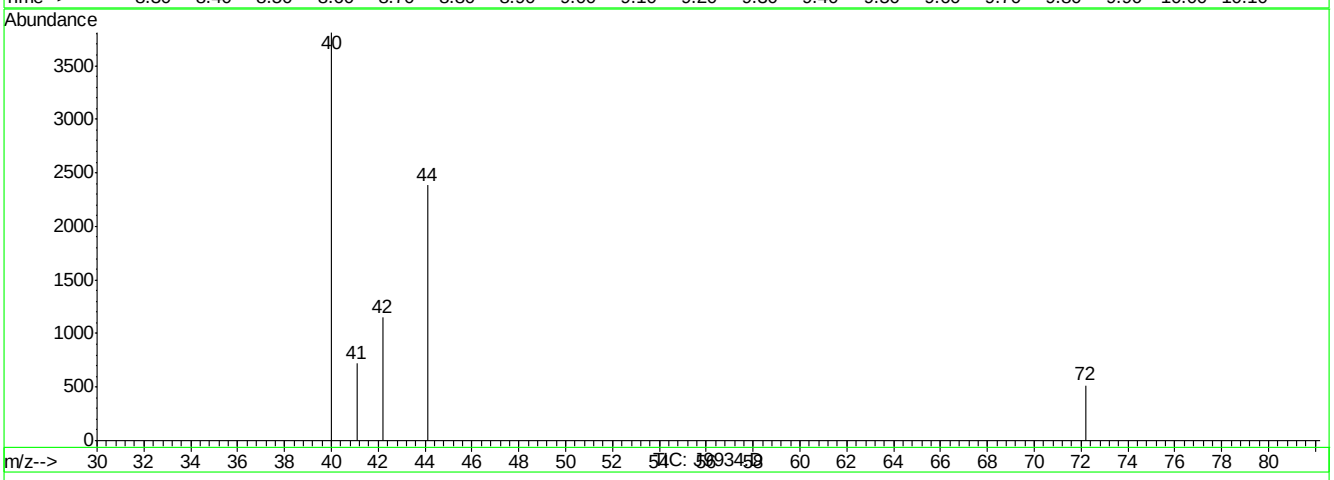
Quantitation Report (Qedit)

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

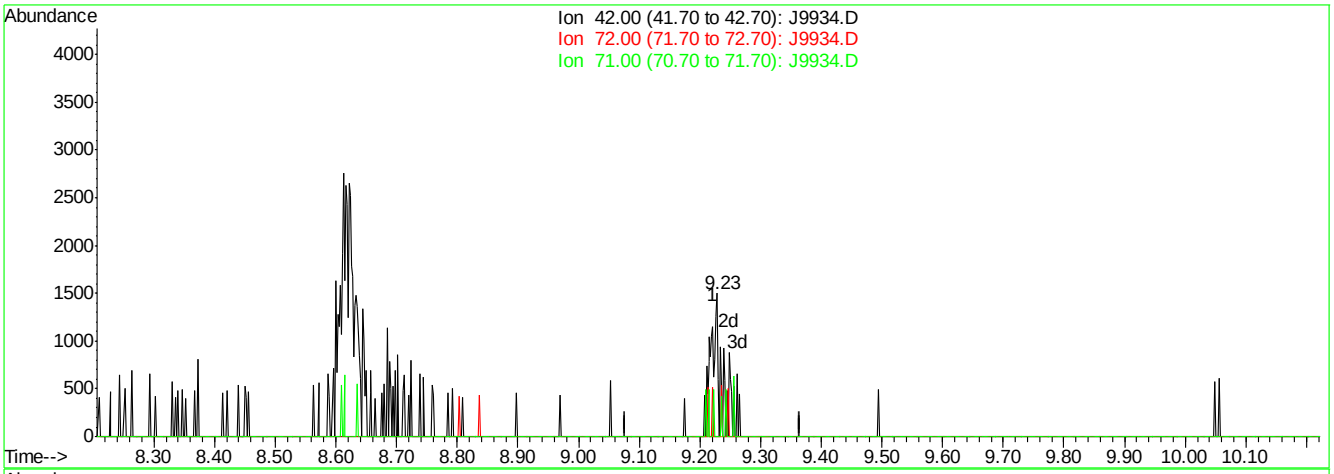
J9934.D J040407T.M Thu Apr 05 17:14:10 2007

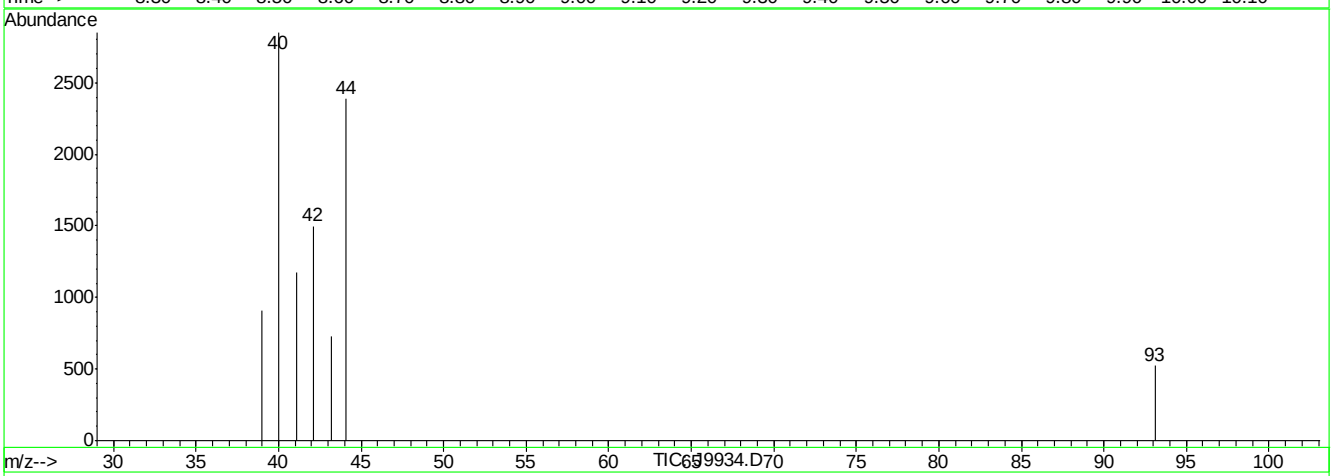
Quantitation Report (Qedit)

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

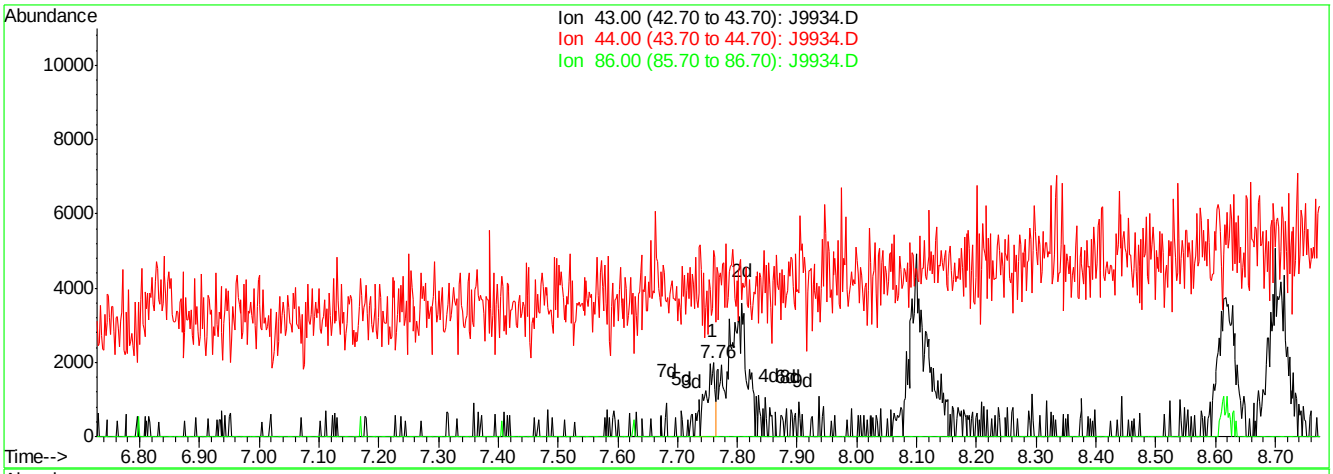
J9934.D J040407T.M Thu Apr 05 17:14:13 2007

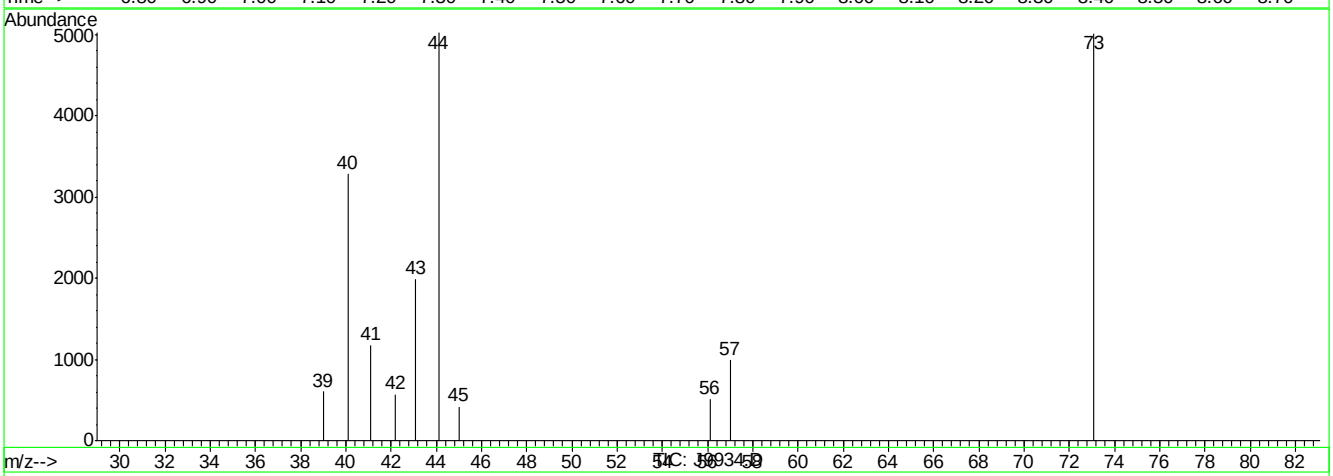
Quantitation Report (Qedit)

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

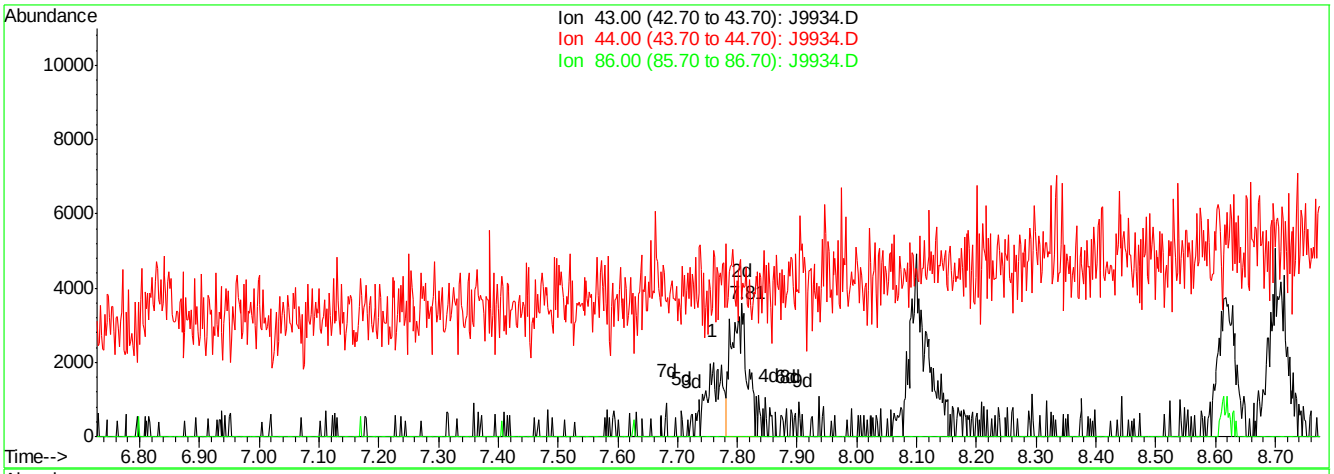
J9934.D J040407T.M Thu Apr 05 17:14:18 2007

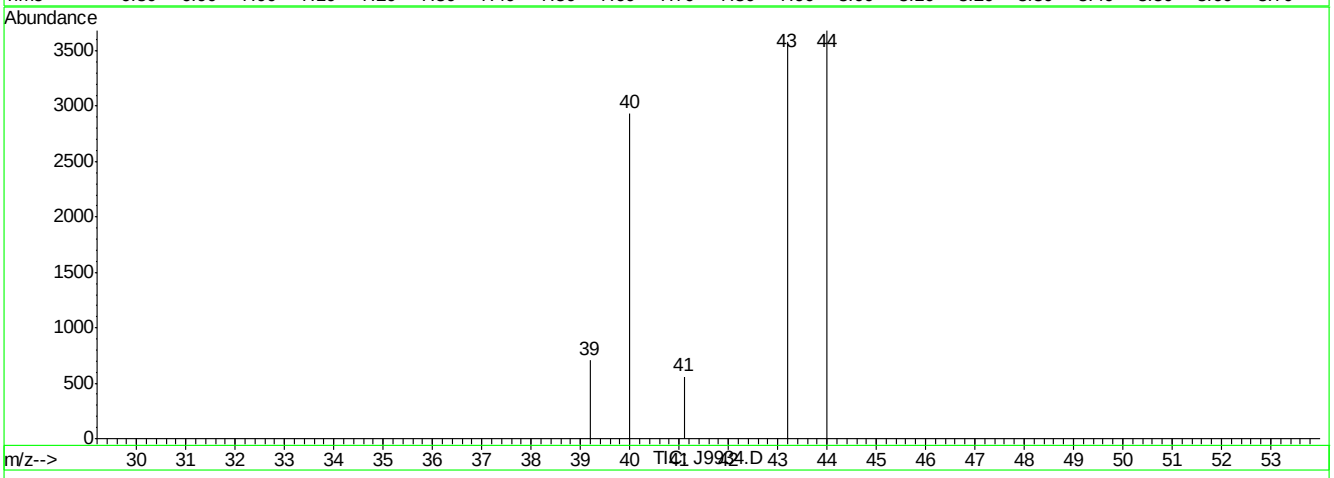
Quantitation Report (Qedit)

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

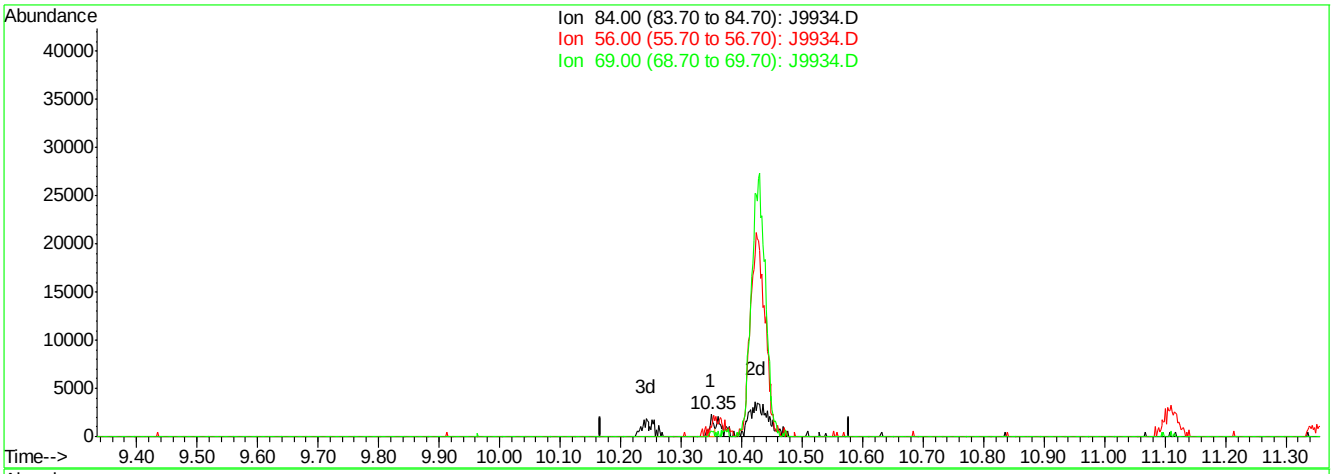
J9934.D J040407T.M Thu Apr 05 17:14:23 2007

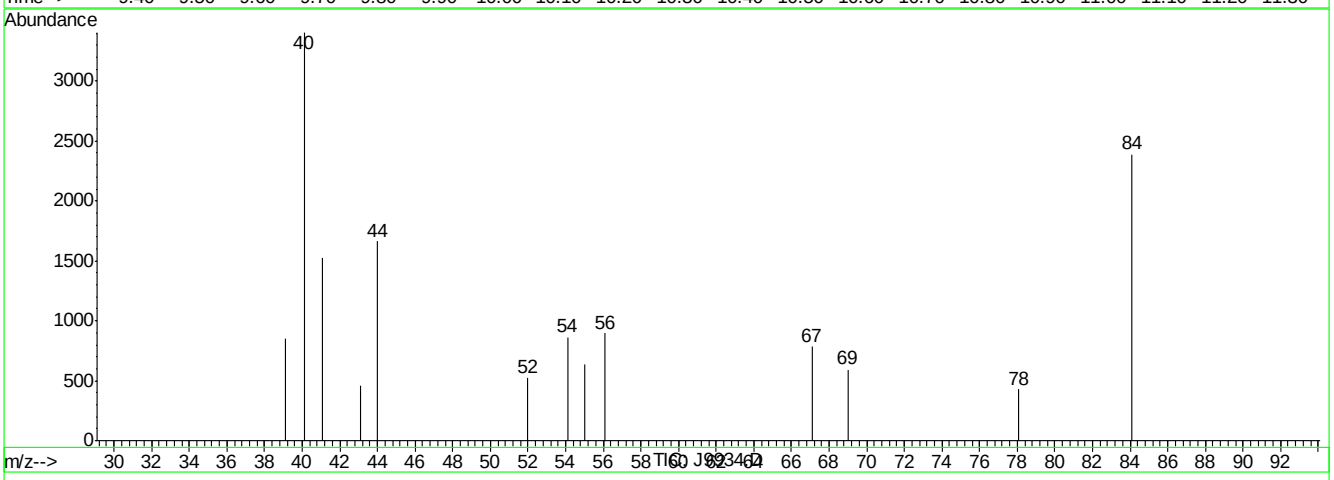
Quantitation Report (Qedit)

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

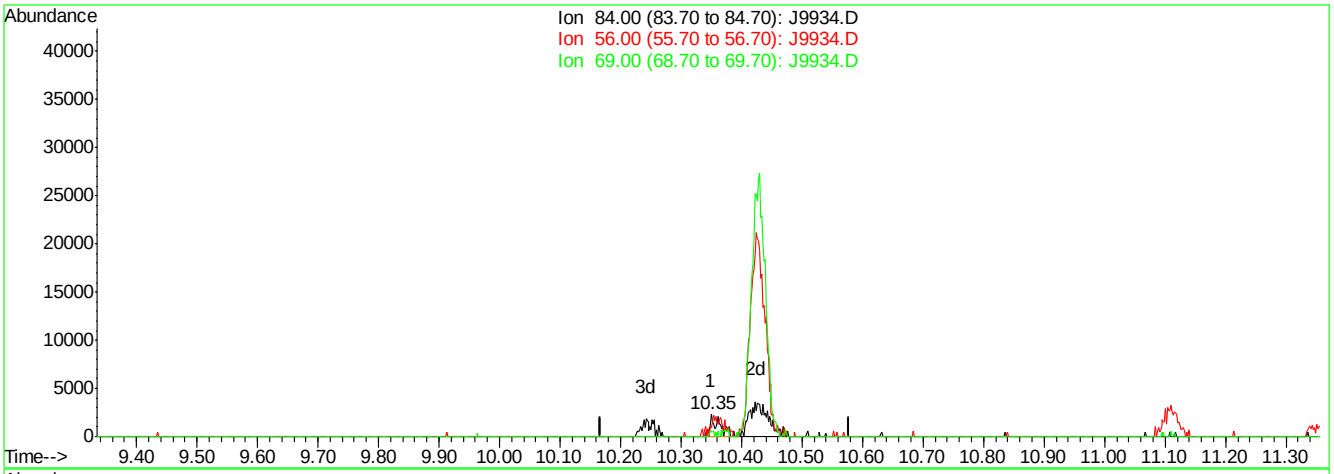
J9934.D J040407T.M Thu Apr 05 17:14:38 2007

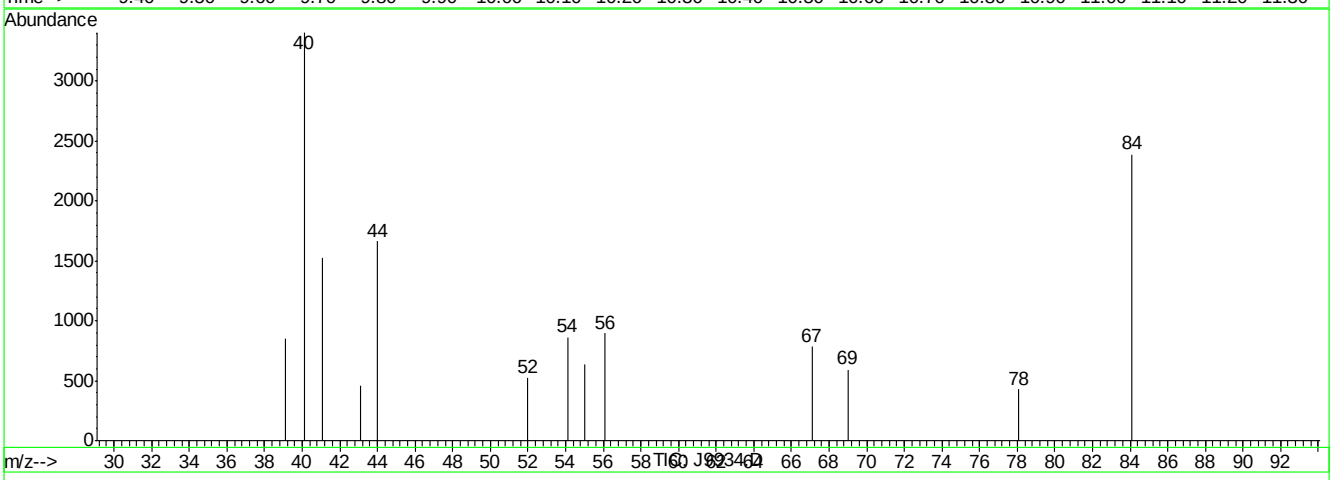
Quantitation Report (Qedit)

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

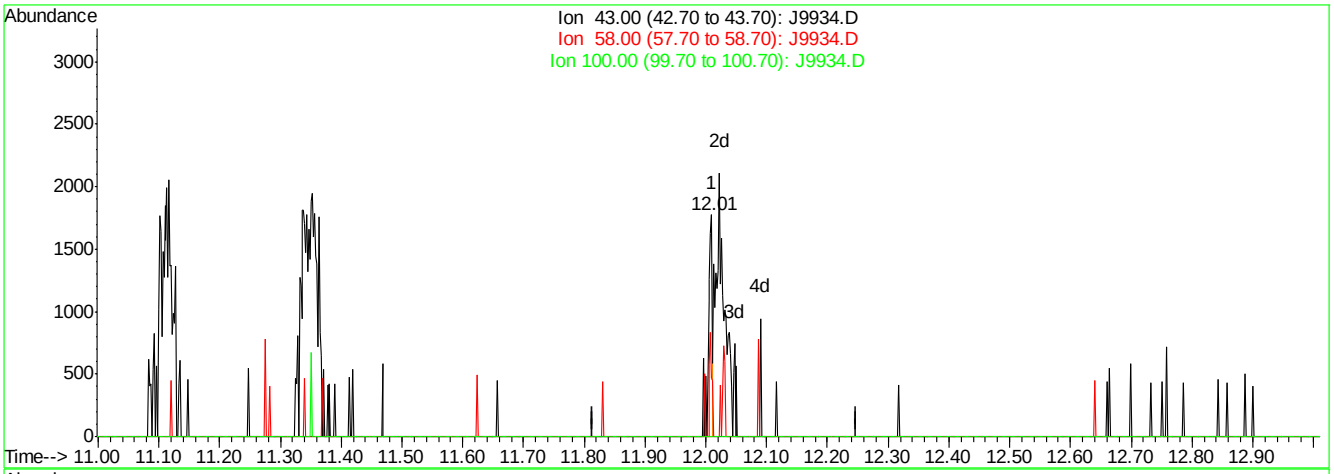
J9934.D J040407T.M Thu Apr 05 17:14:42 2007

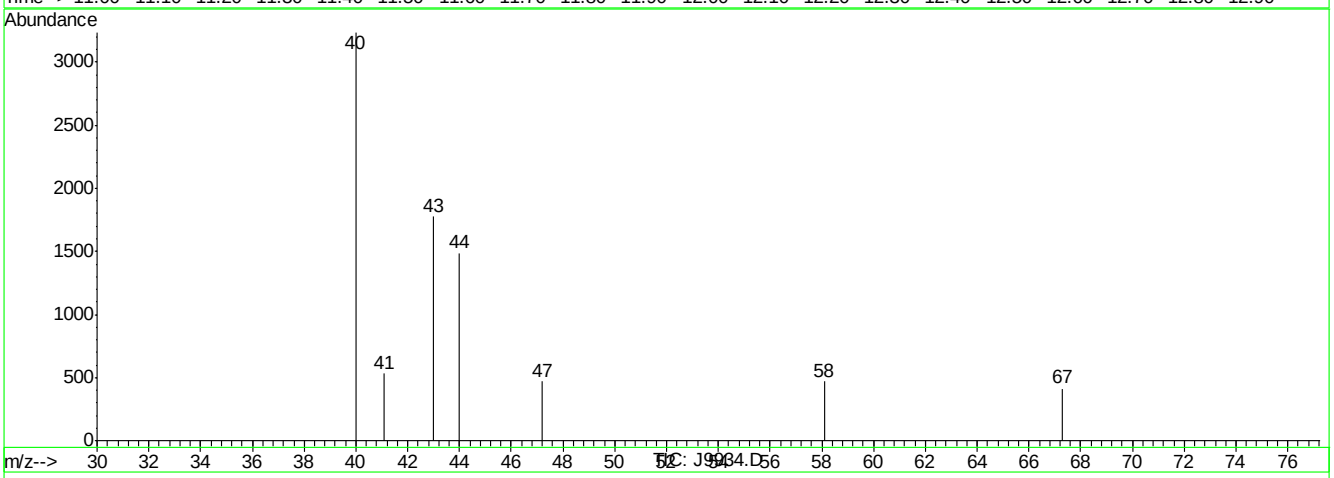
Quantitation Report (Qedit)

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

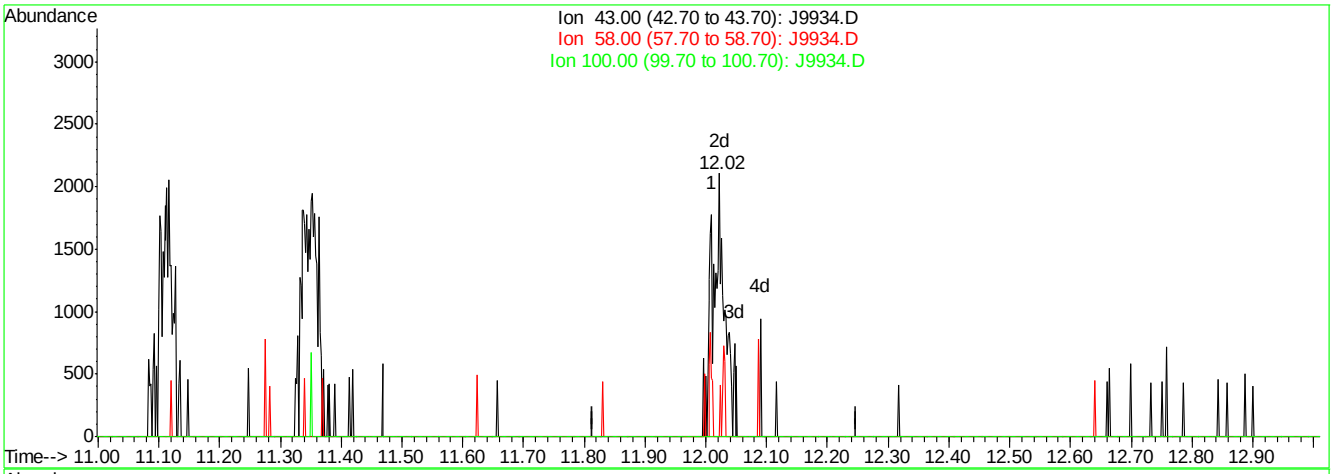
J9934.D J040407T.M Thu Apr 05 17:14:59 2007

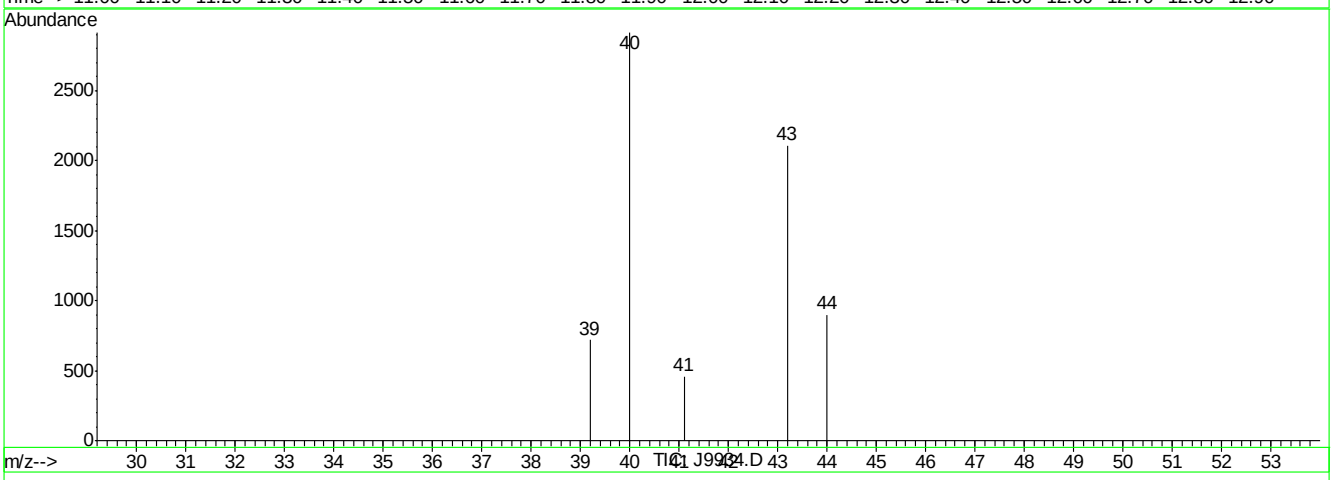
Quantitation Report (Qedit)

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

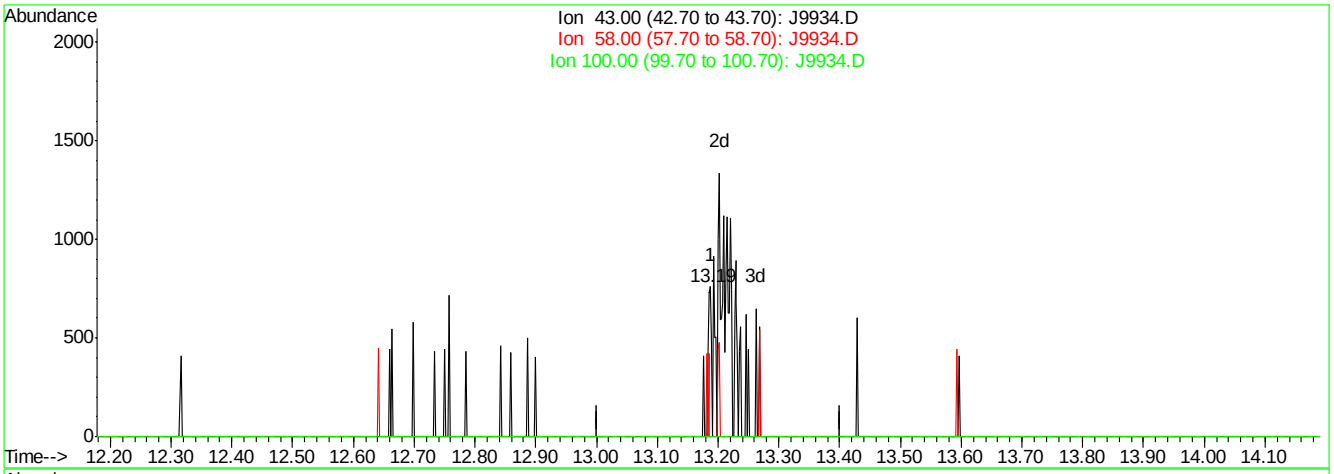
J9934.D J040407T.M Thu Apr 05 17:15:02 2007

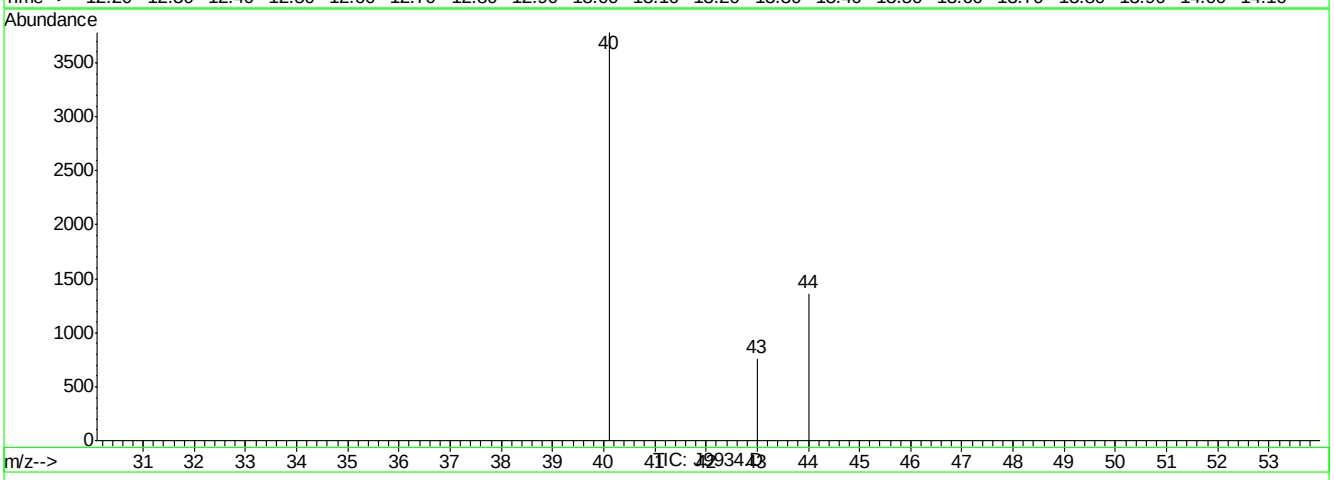
Quantitation Report (Qedit)

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

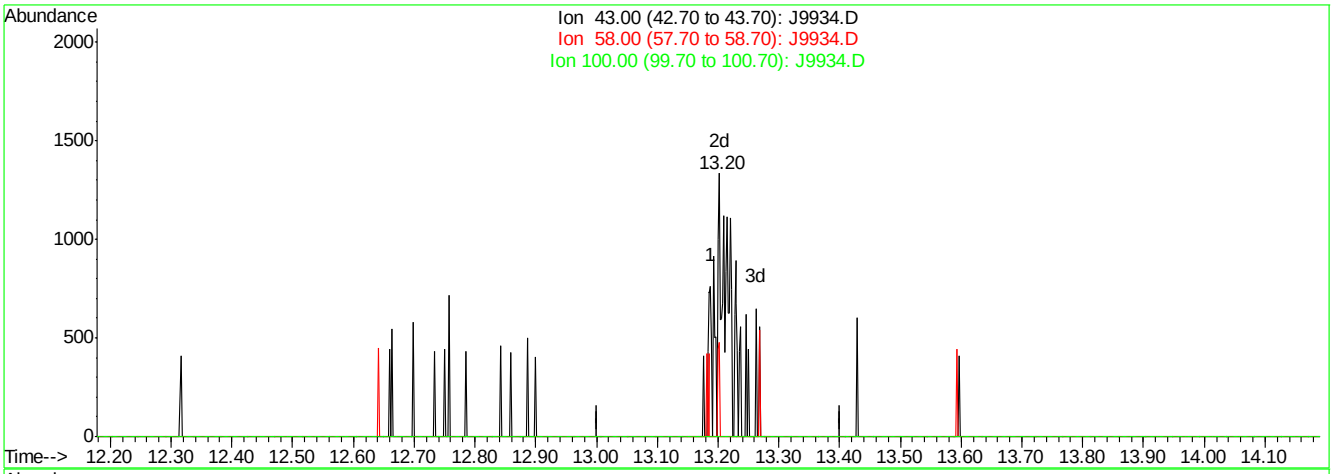
J9934.D J040407T.M Thu Apr 05 17:15:15 2007

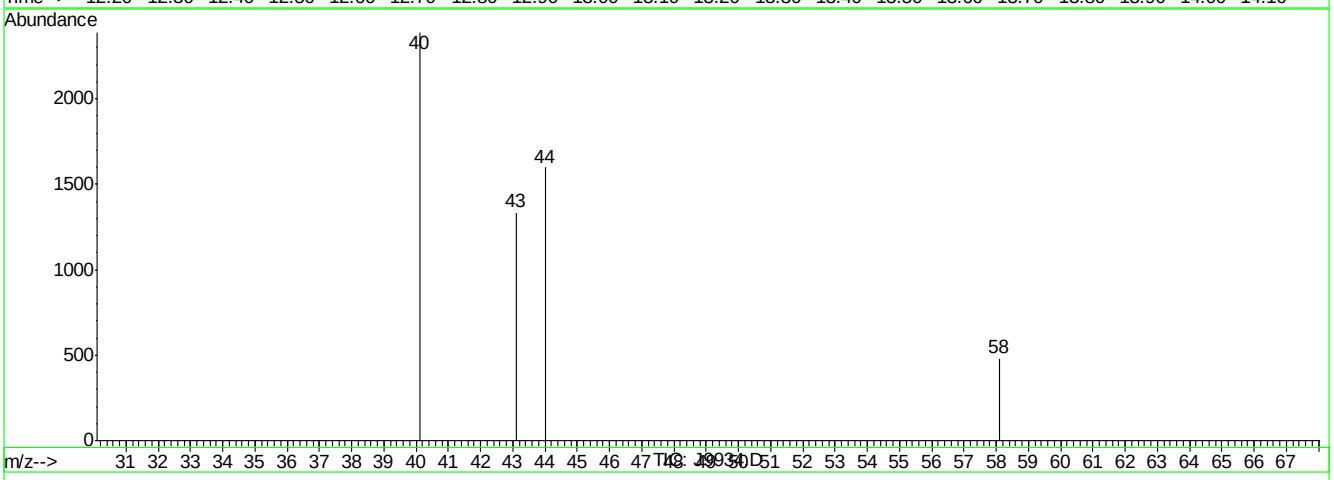
Quantitation Report (Qedit)

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

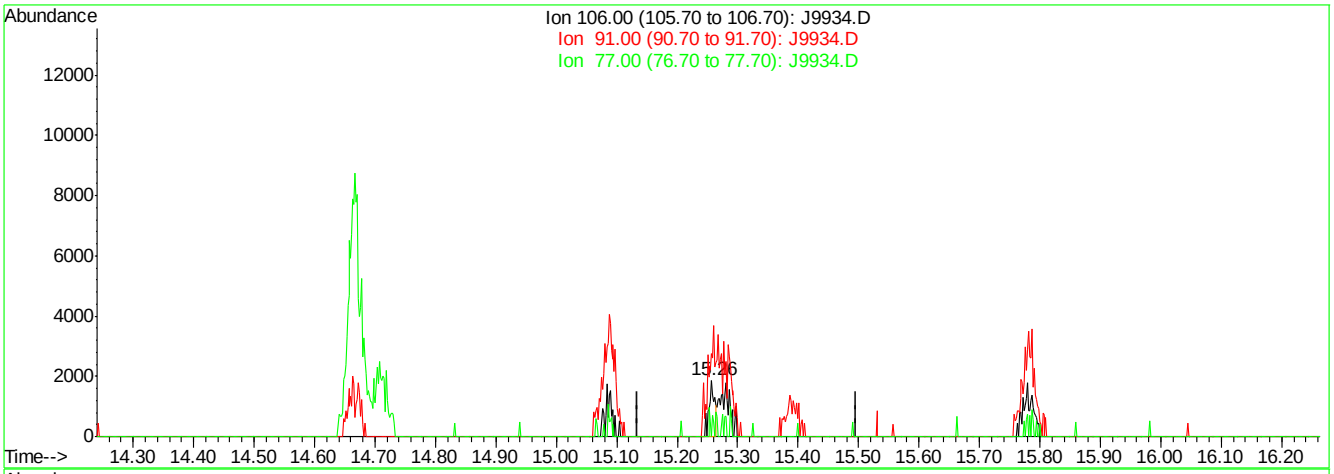
J9934.D J040407T.M Thu Apr 05 17:15:18 2007

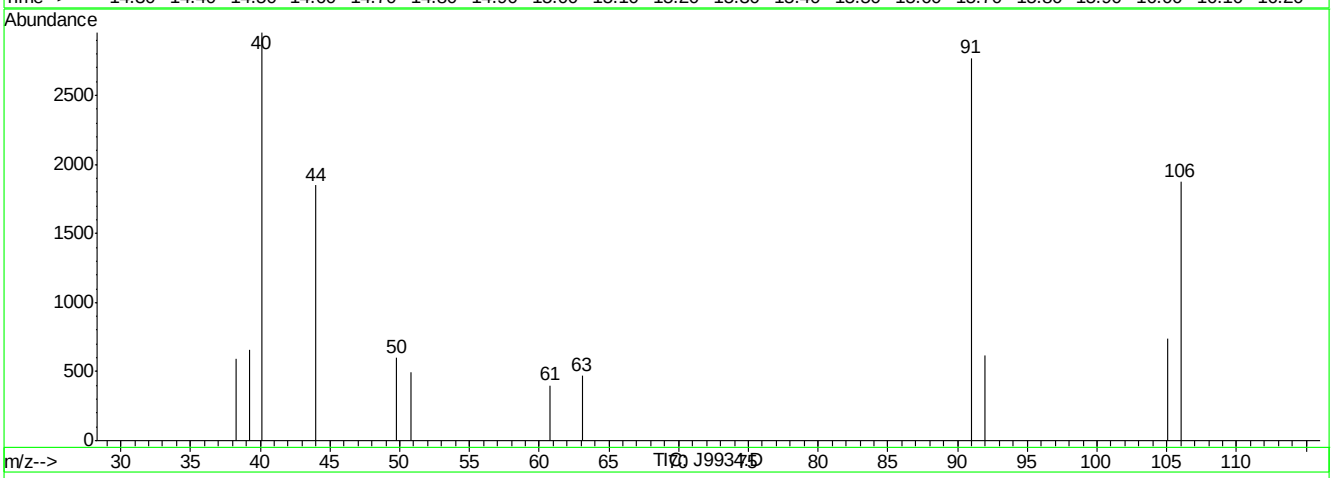
Quantitation Report (Qedit)

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

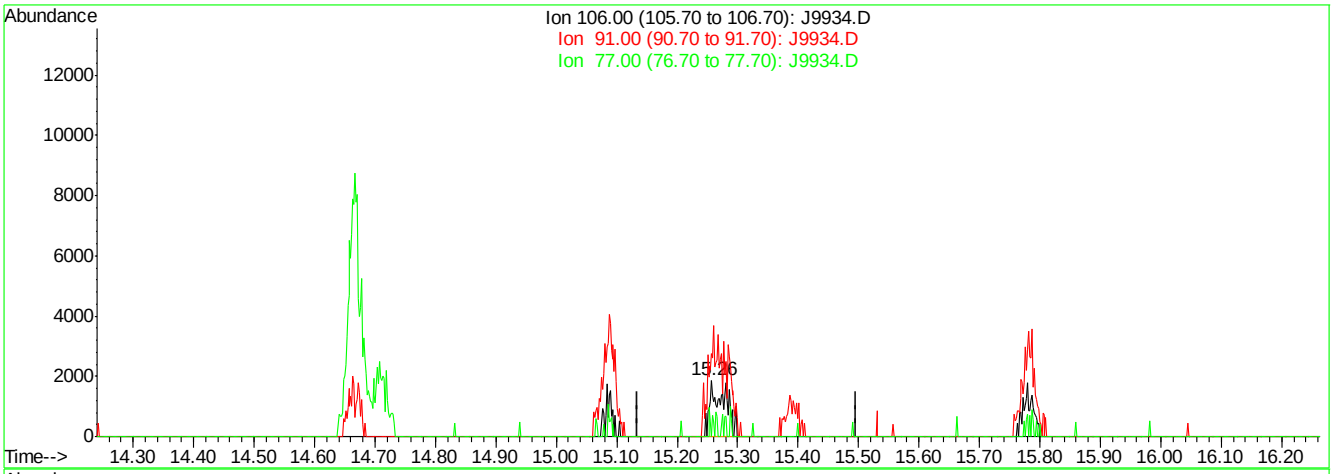
J9934.D J040407T.M Thu Apr 05 17:15:27 2007

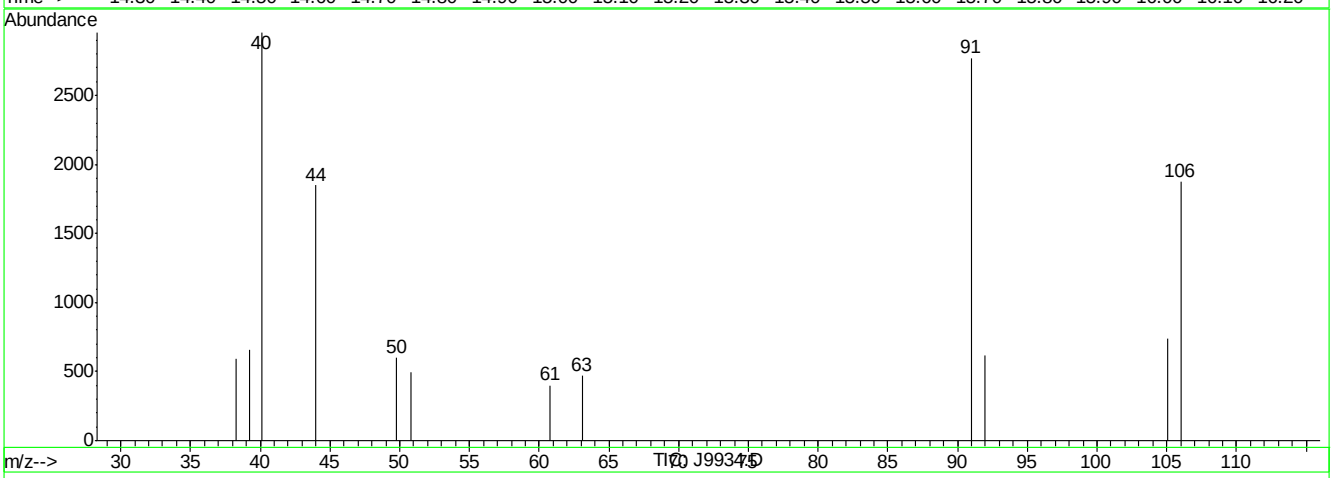
Quantitation Report (Qedit)

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

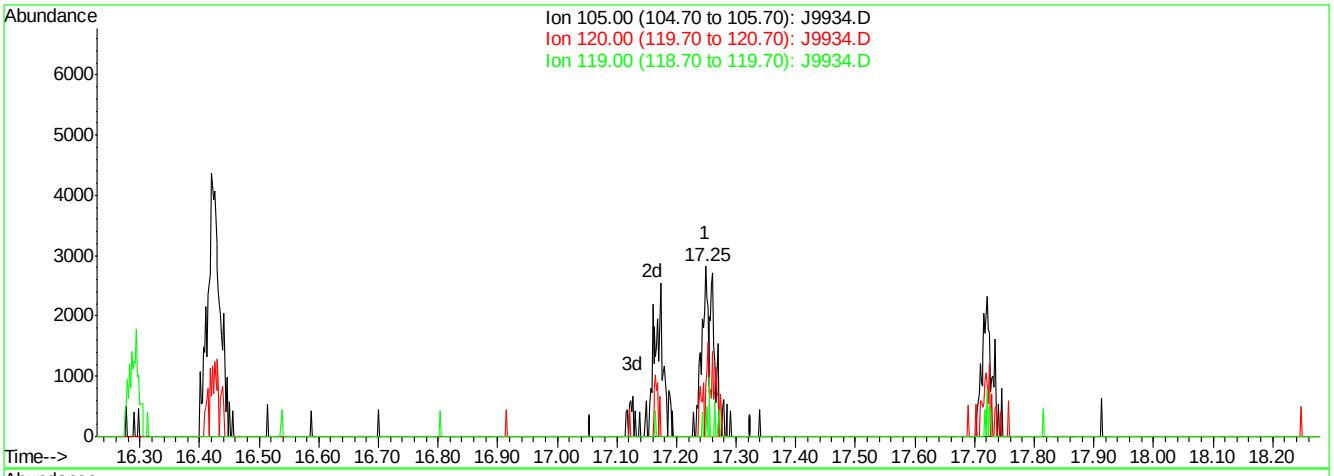
J9934.D J040407T.M Thu Apr 05 17:15:31 2007

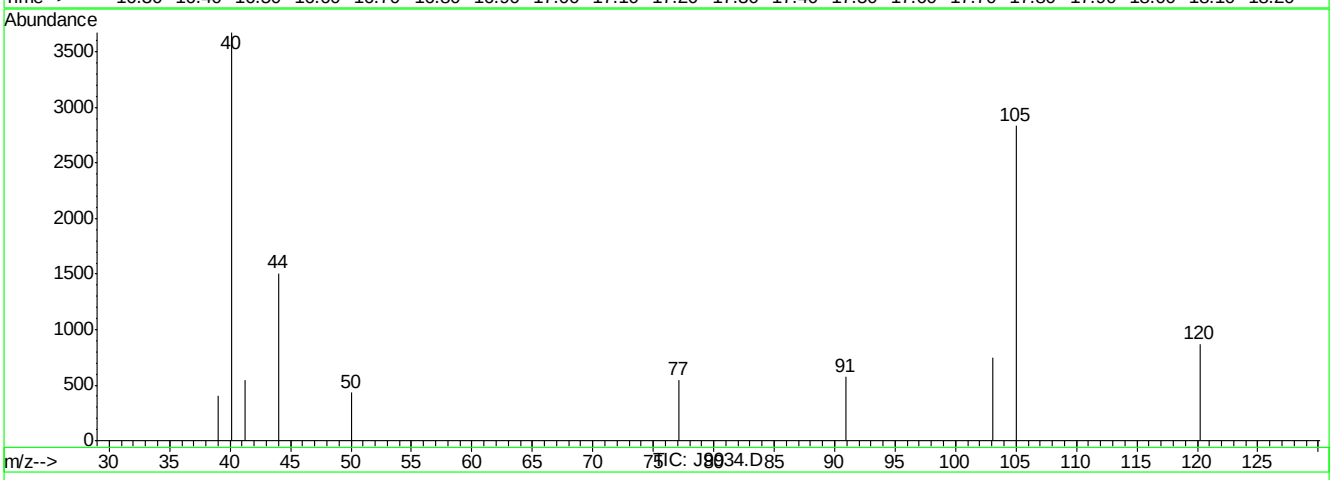
Quantitation Report (Qedit)

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

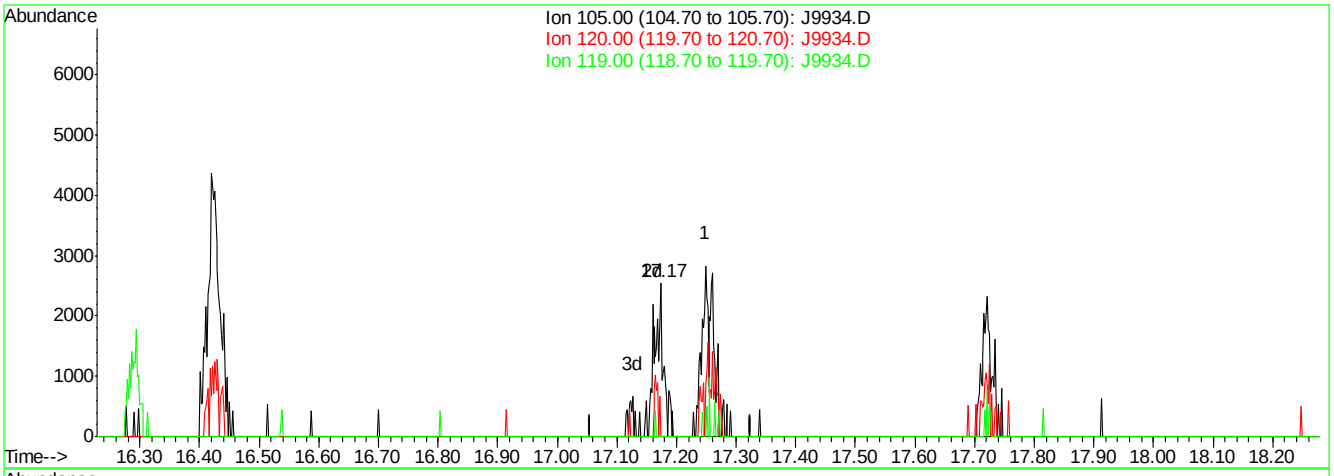
J9934.D J040407T.M Thu Apr 05 17:15:47 2007

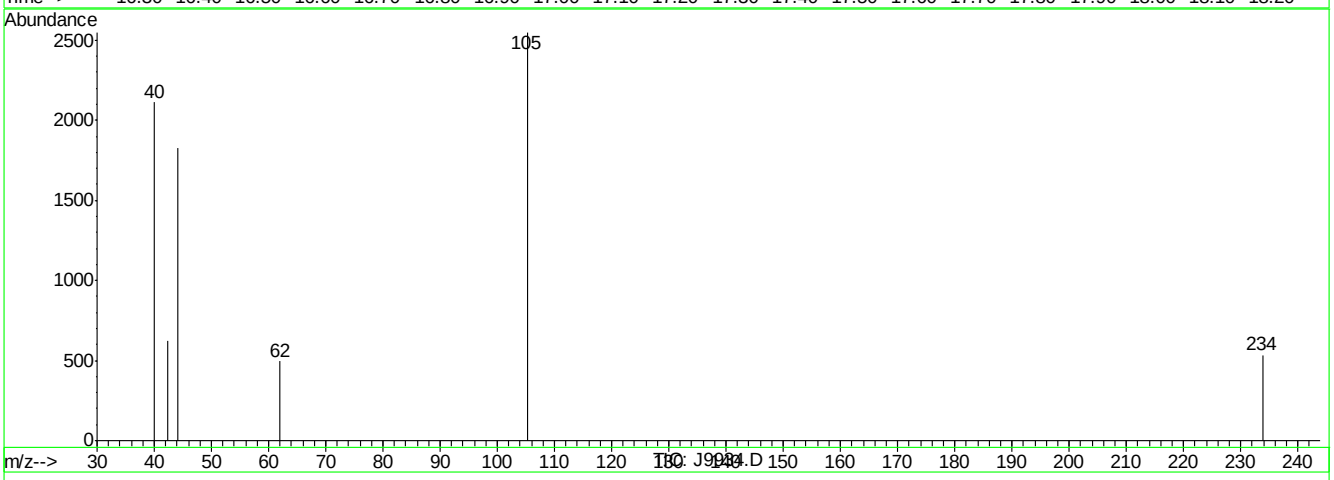
Quantitation Report (Qedit)

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

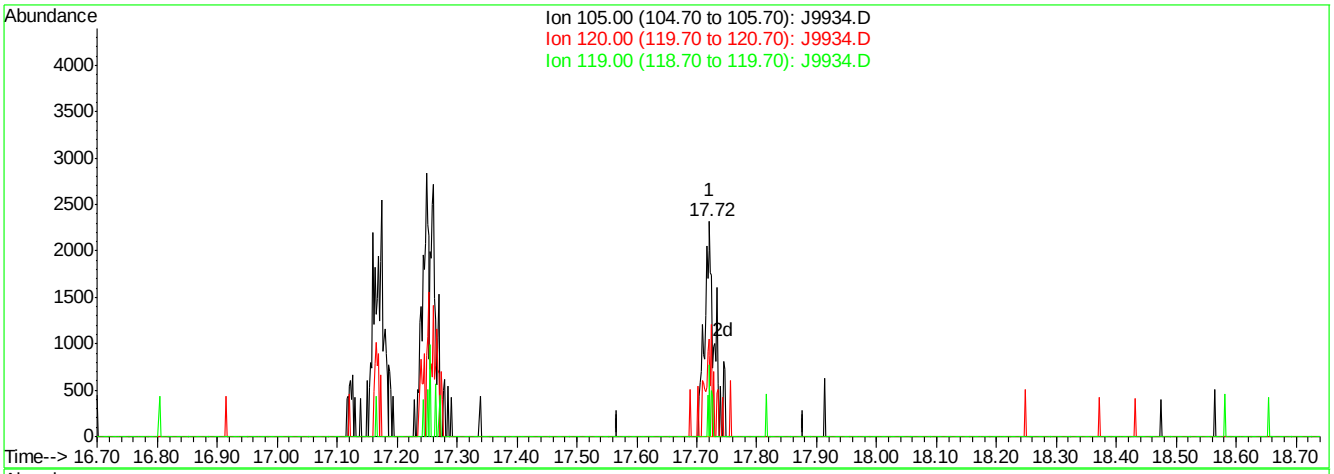
J9934.D J040407T.M Thu Apr 05 17:15:51 2007

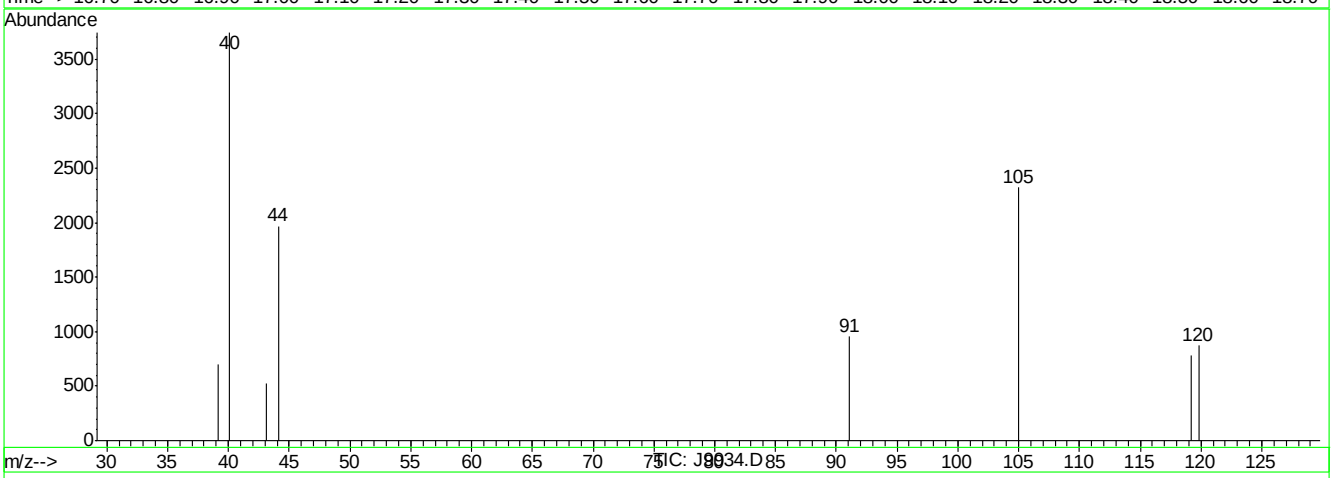
Quantitation Report (Qedit)

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

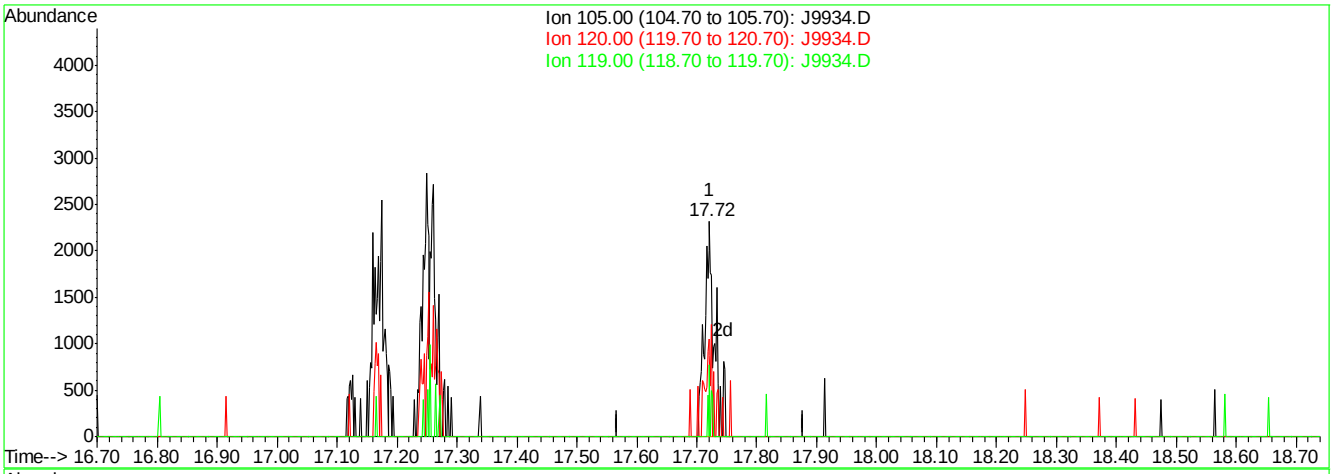
J9934.D J040407T.M Thu Apr 05 17:15:56 2007

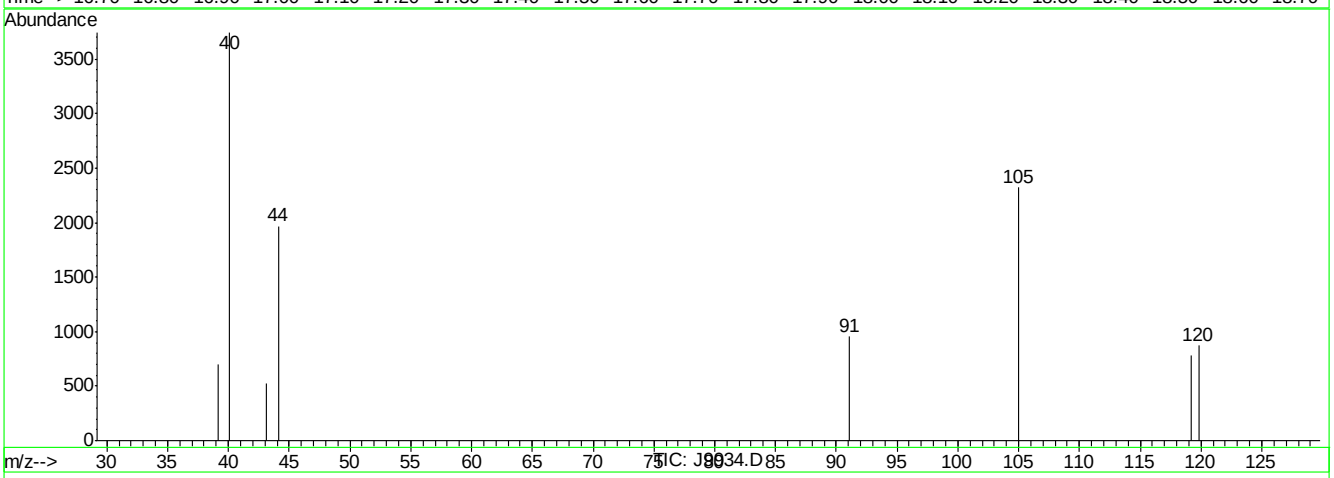
Quantitation Report (Qedit)

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

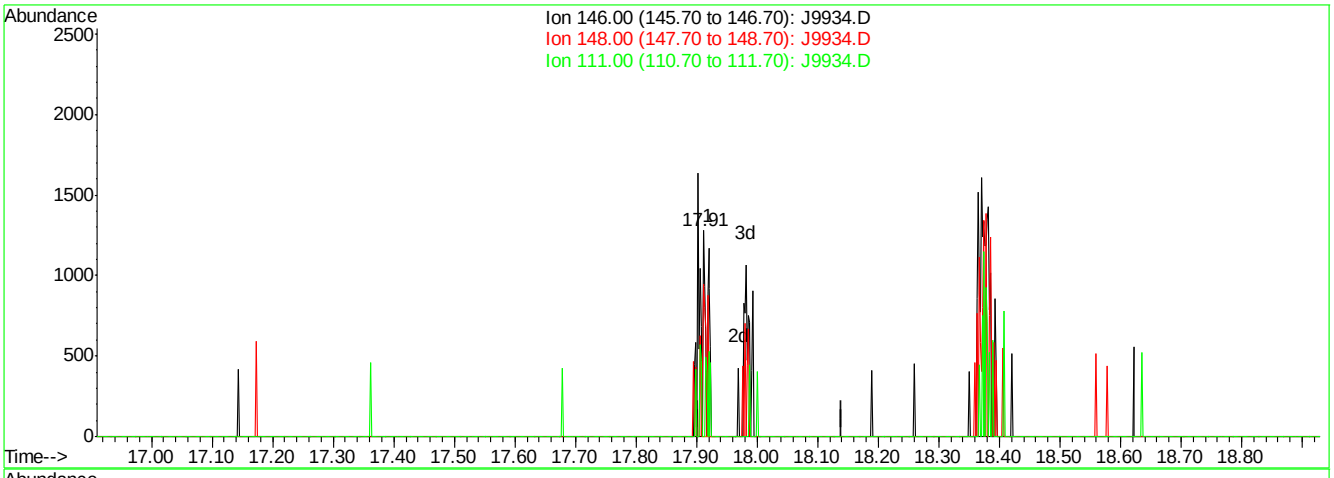
J9934.D J040407T.M Thu Apr 05 17:15:59 2007

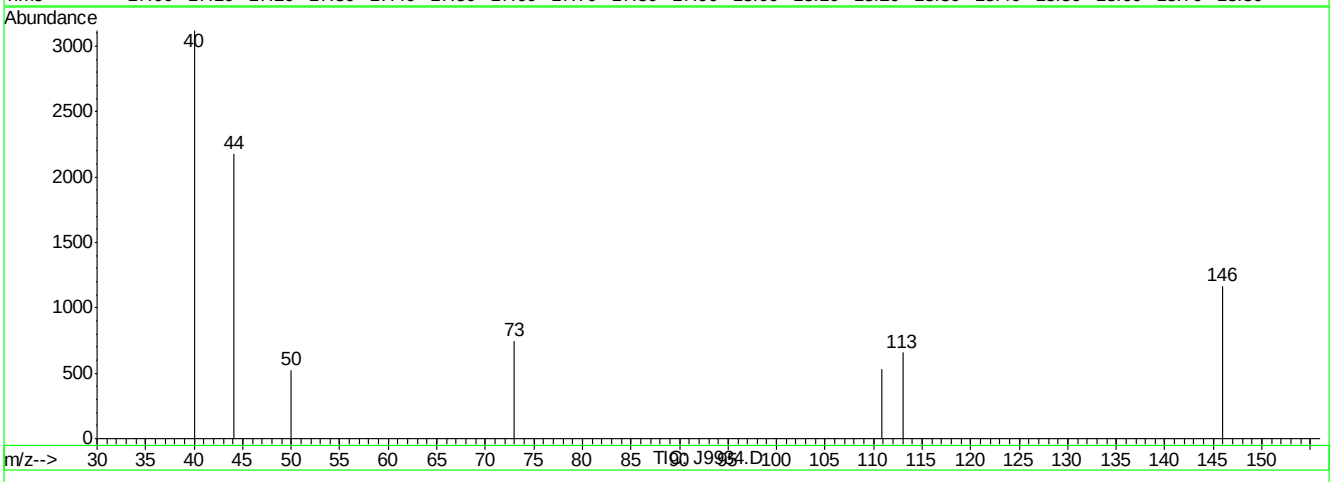
Quantitation Report (Qedit)

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

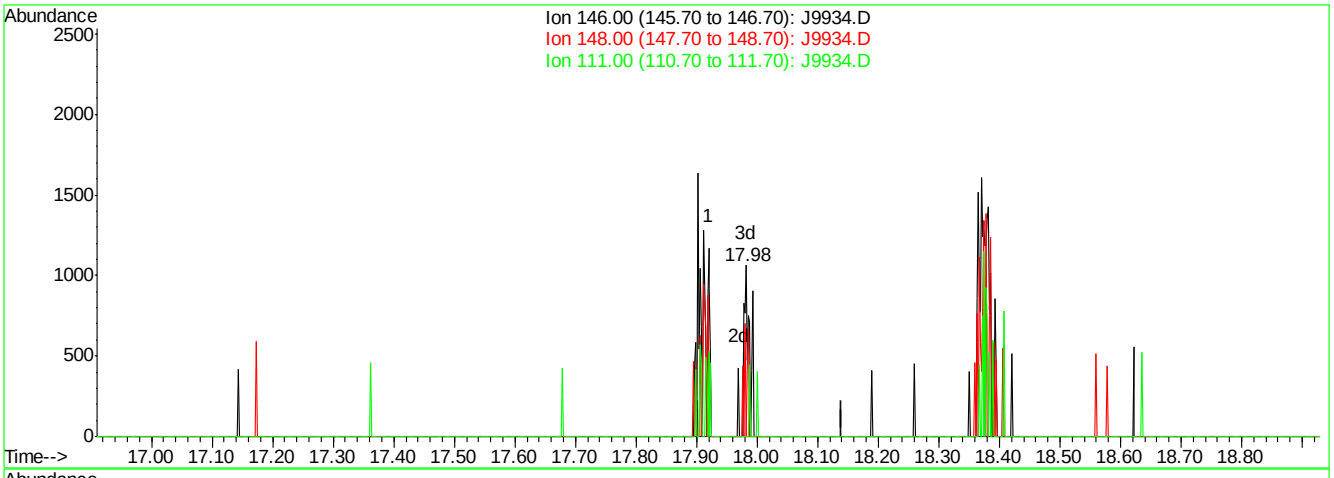
J9934.D J040407T.M Thu Apr 05 17:16:09 2007

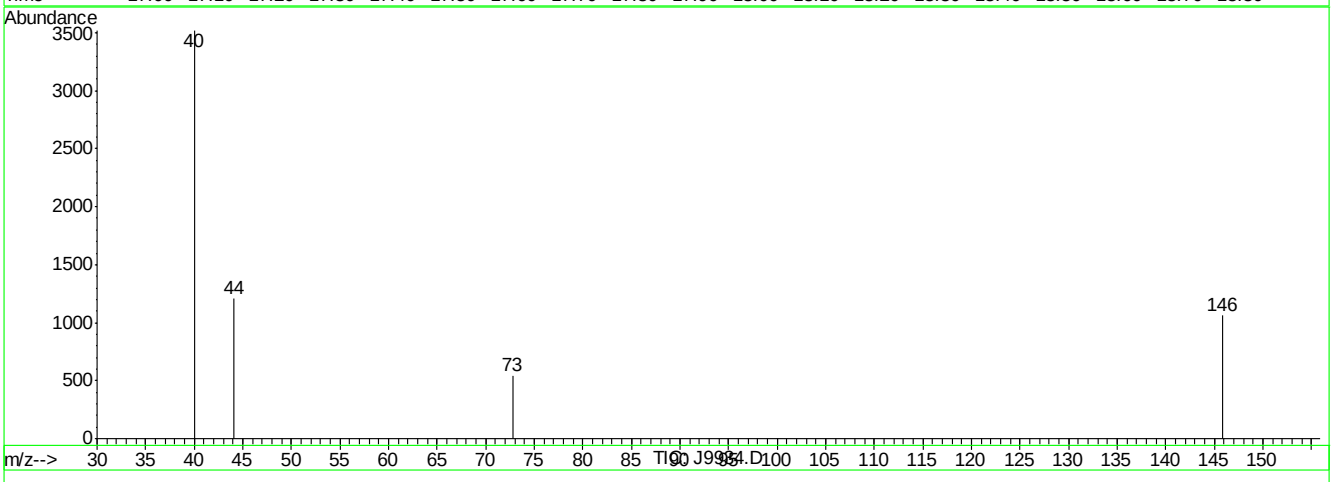
Quantitation Report (Qedit)

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

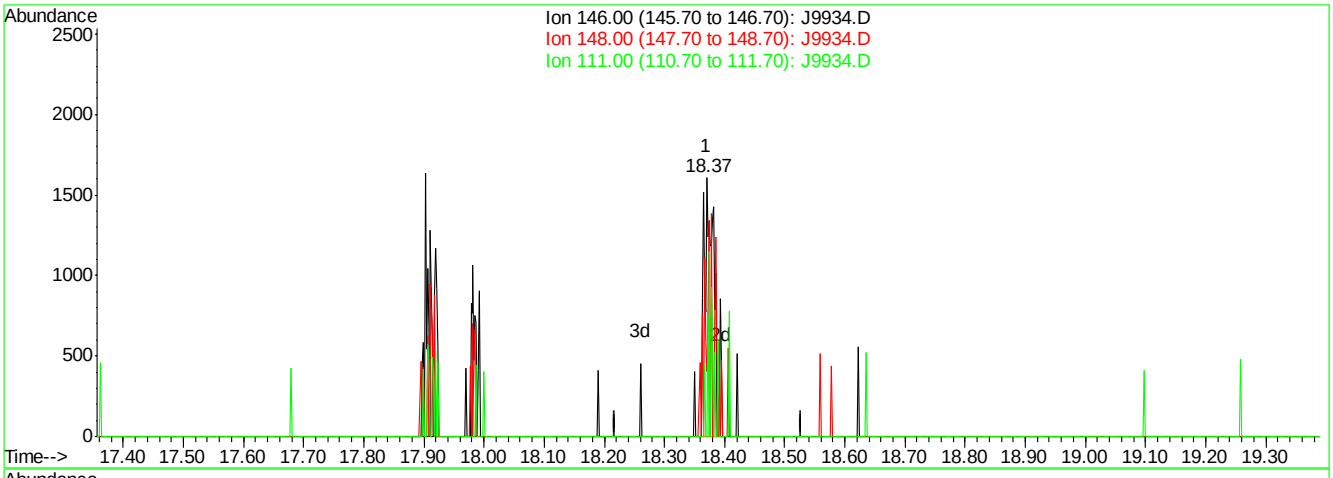
J9934.D J040407T.M Thu Apr 05 17:16:12 2007

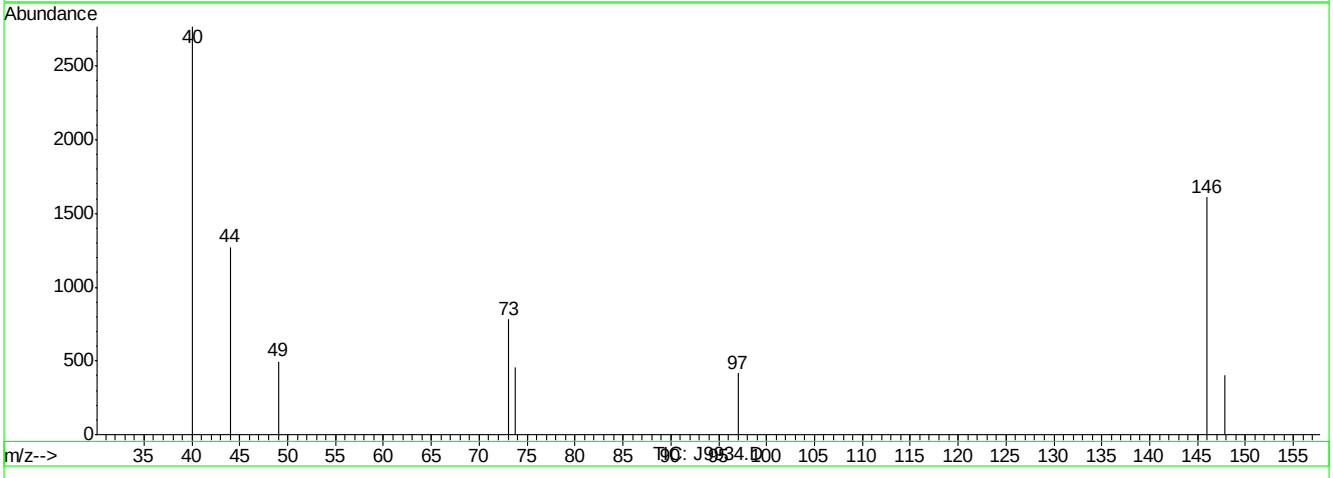
Quantitation Report (Qedit)

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

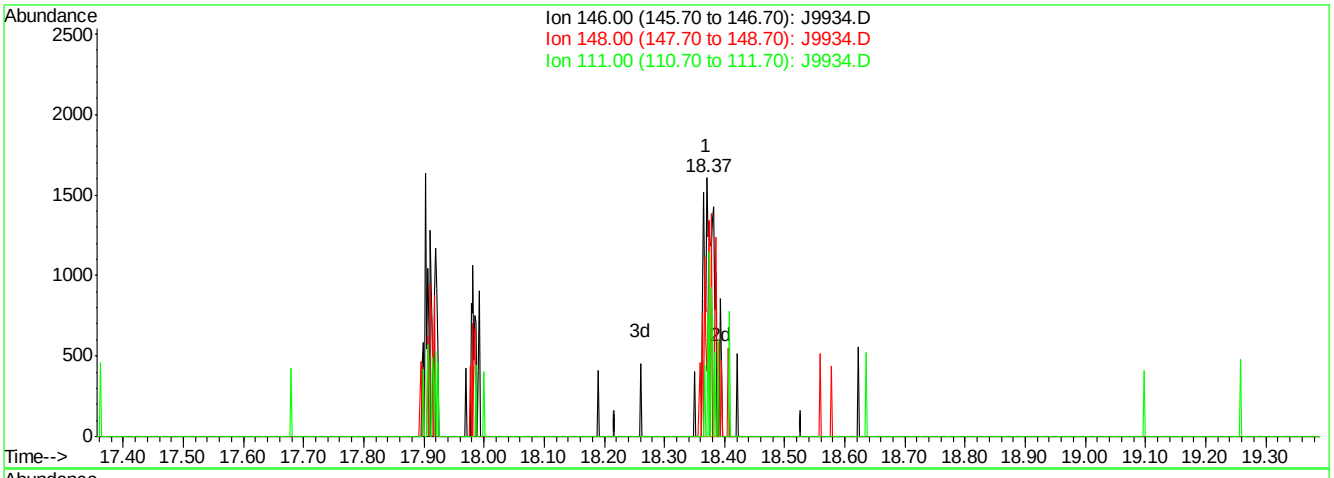
J9934.D J040407T.M Thu Apr 05 17:16:16 2007

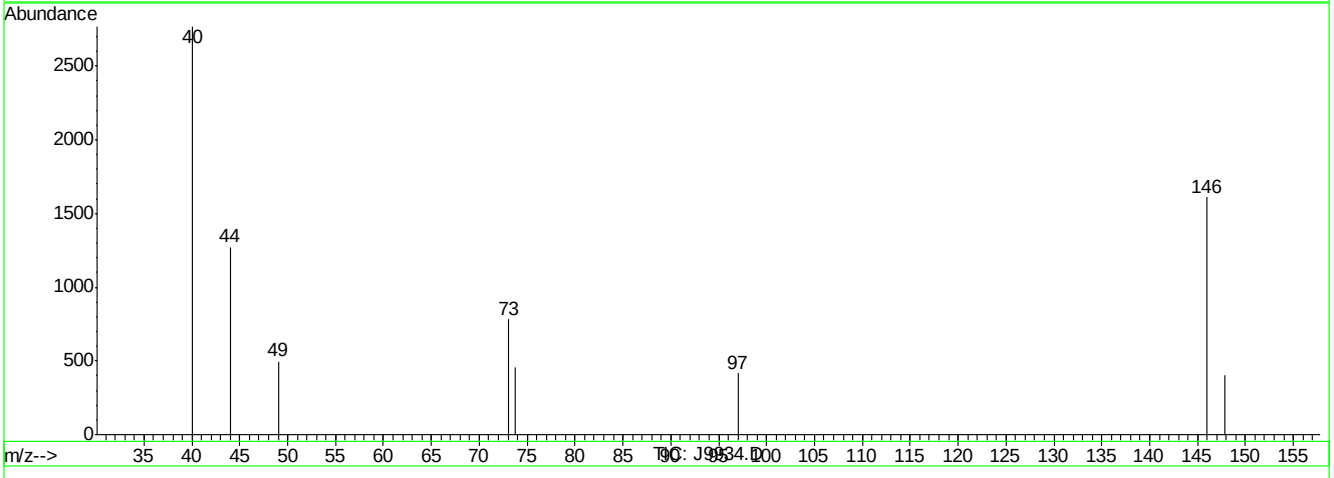
Quantitation Report (Qedit)

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

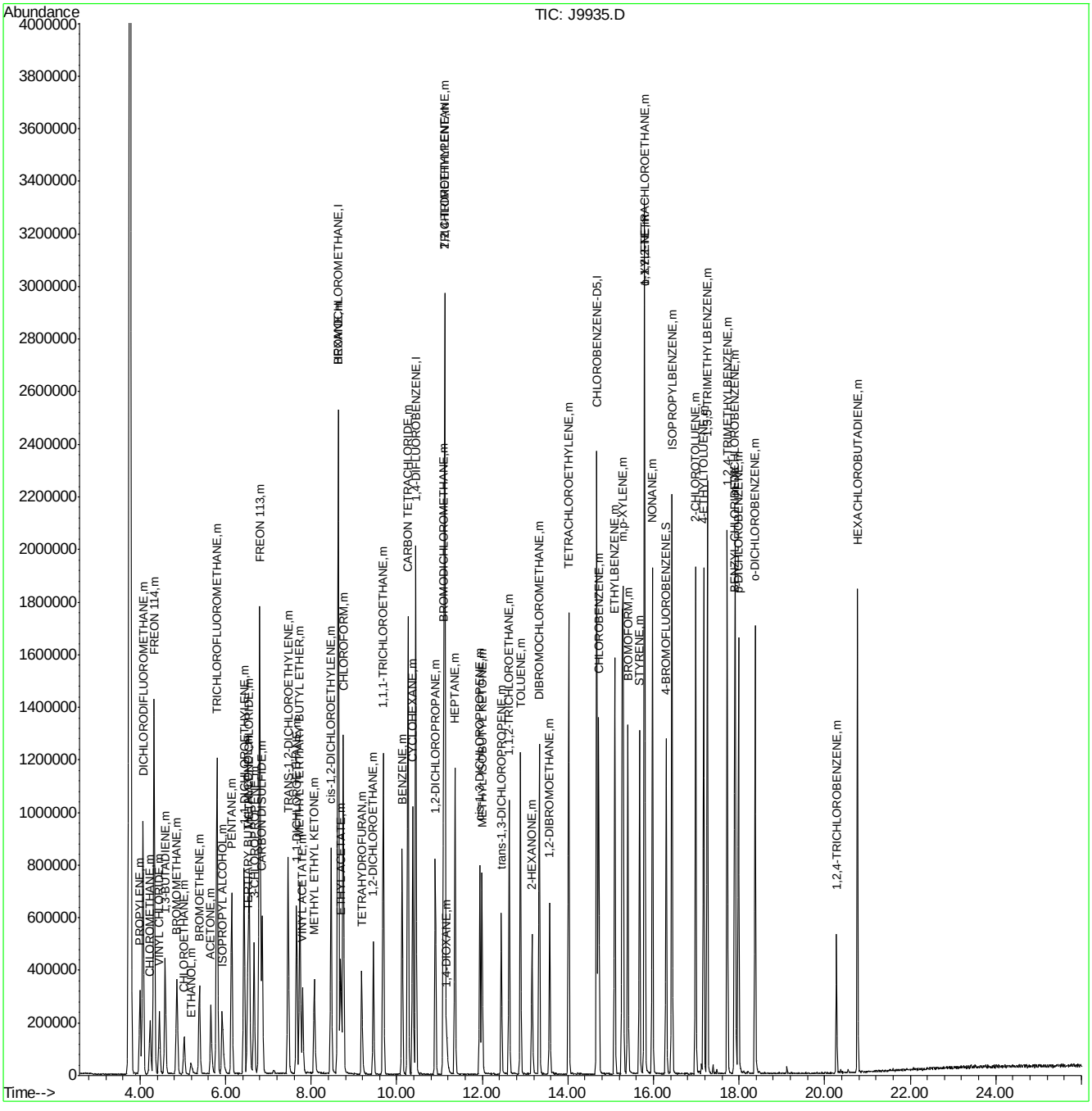
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	544609	9.97	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.94	75	337289	9.20	PPBV	88
46) TOLUENE	12.89	92	426887	8.66	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.45	75	271547	8.81	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.63	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



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

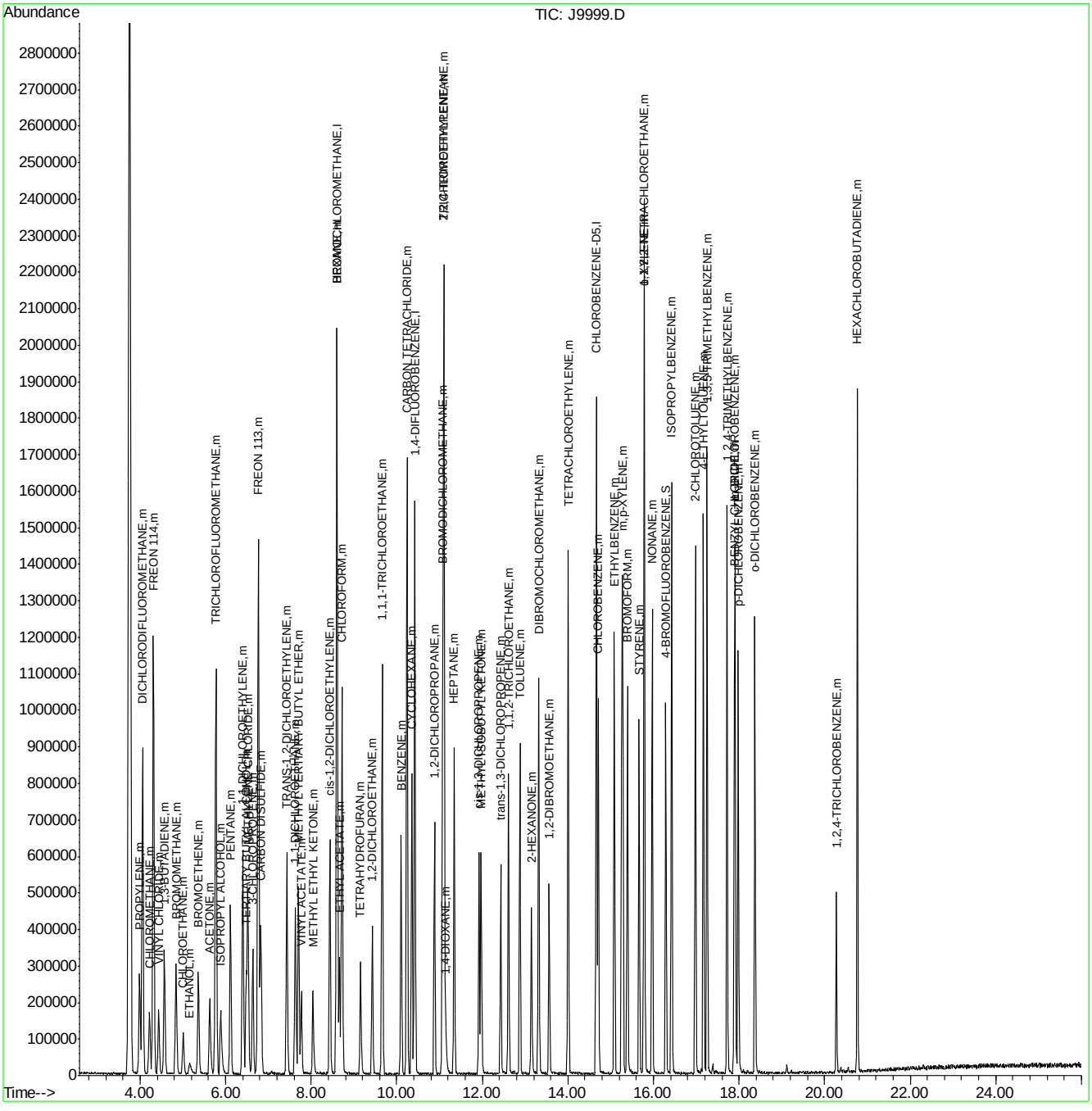
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	427934	10.23	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	229586	8.28	PPBV #	76
46) TOLUENE	12.88	92	299148	8.04	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.43	75	226670	9.51	PPBV #	77
48) 1,1,2-TRICHLOROETHANE	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

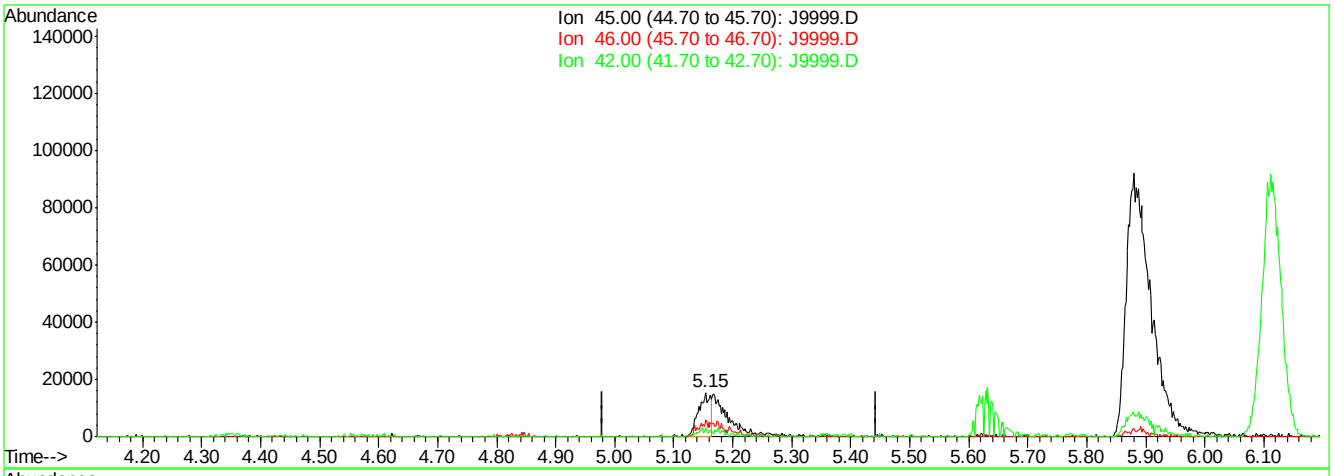


Quantitation Report (Qedit)

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

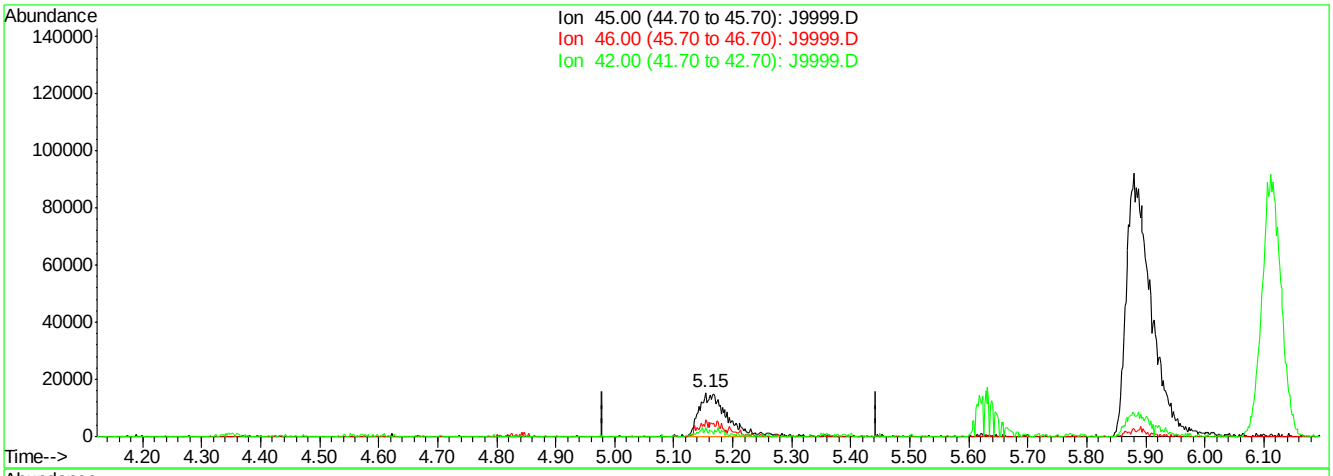
J9999.D J040507T.M Wed Apr 11 15:28:13 2007

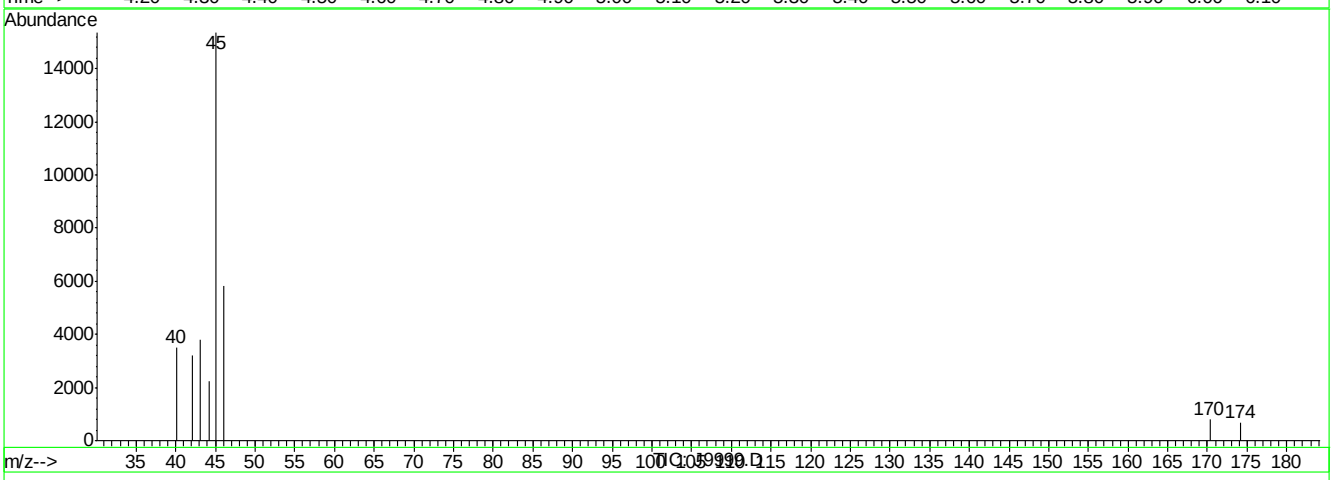
Quantitation Report (Qedit)

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

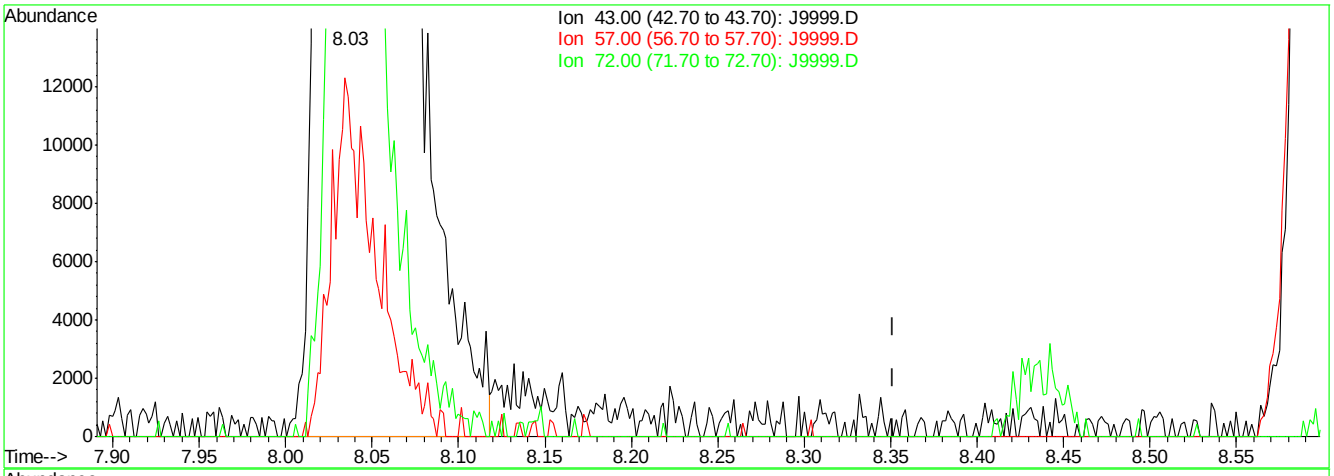
J9999.D J040507T.M Wed Apr 11 15:28:20 2007

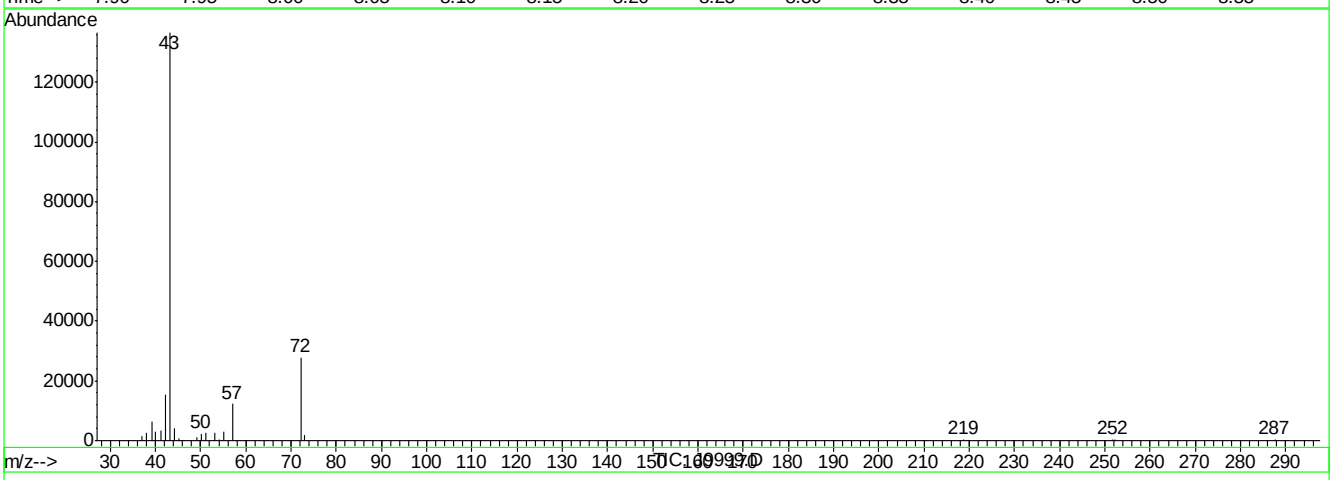
Quantitation Report (Qedit)

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

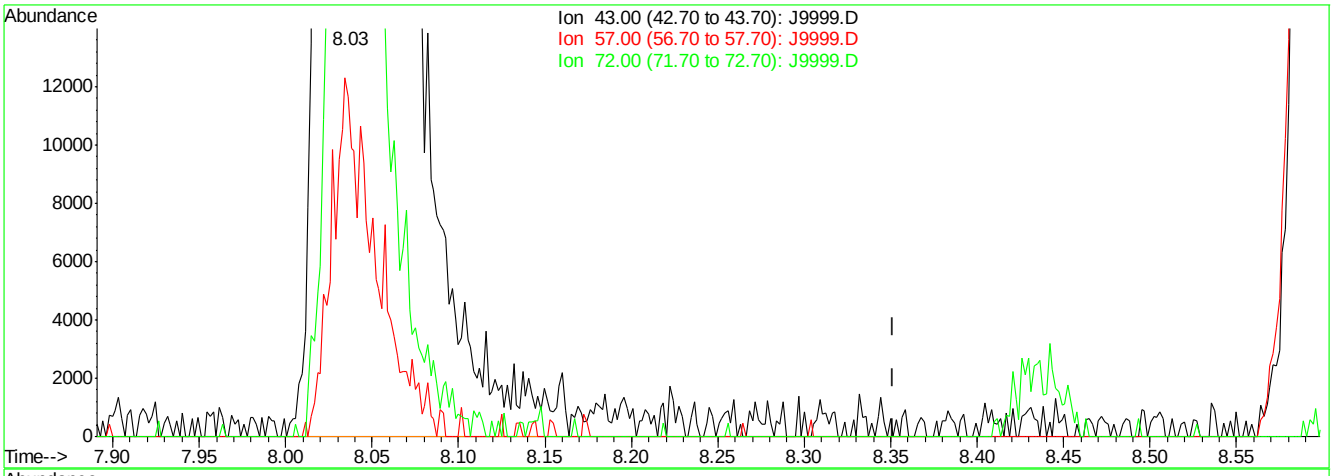
J9999.D J040507T.M Wed Apr 11 15:28:38 2007

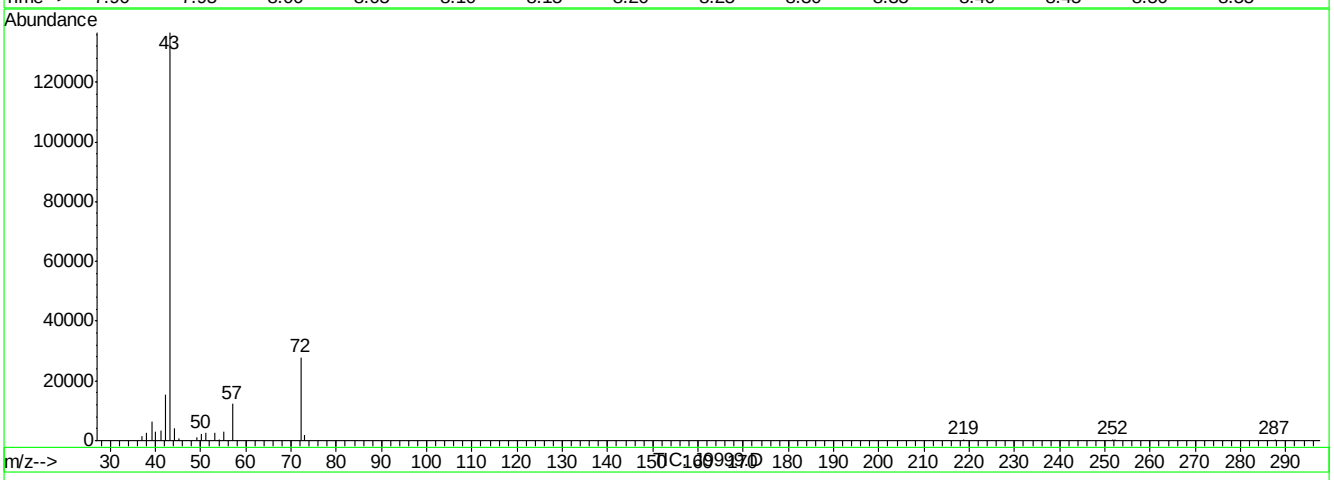
Quantitation Report (Qedit)

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

ACCUTEST Laboratories M63693R

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 M63693R

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.