New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/25/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M66000R

Sampling Date: 06/30/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **235**

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

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

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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Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: M66000-1R: 045162-97FRANK-SS1 6
Section 4: Misc. Forms **7**
4.1: Chain of Custody 8
4.2: Summa Canister and Flow Controller Log 11
4.3: Sample Tracking Chronicle 12
Section 5: GC/MS Volatiles - QC Data Summaries **13**
5.1: Method Blank Summary 14
5.2: Blank Spike Summary 16
5.3: Duplicate Summary 18
5.4: Summa Cleaning Certification 19
5.5: Instrument Performance Checks (BFB) 20
5.6: Internal Standard Area Summaries 24
5.7: Initial Calibration RT/ISTD Area Summaries 26
5.8: Surrogate Recovery Summaries 54
5.9: Initial and Continuing Calibration Summaries 55
Section 6: GC/MS Volatiles - Raw Data **71**
6.1: Samples 72
6.2: Method Blanks 88
6.3: Blank Spikes 93
6.4: Duplicates 99
6.5: Summa Cleaning Certifications 113
6.6: Instrument Performance Checks (BFB) 115
6.7: Initial and Continuing Calibarations 131
6.8: Instrument Run Logs 234

Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M66000R

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M66000-1R	06/30/07	11:22	TAD	07/02/07	AIR	Air	045162-97FRANK-SS1

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M66000R
Site:	GEI Tufts Street Somerville MA	**Report Date**	7/24/2007 2:48:59 PM

1 Sample was collected on 06/30/2007 and were received at Accutest on 07/02/2007. These Samples received an Accutest job number of M66000R. 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:**	MSQ214

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66000-1RDUP 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(M66000R).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-97FRANK-SS1		
Lab Sample ID:	M66000-1R	**Date Sampled:**	06/30/07
Matrix:	AIR - Air Summa ID: M161	**Date Received:**	07/02/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	GEI Tufts Street Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3997.D	1	07/17/07	DFT	n/a	n/a	MSQ214
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	ppbv	J	0.82	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	5.0	0.20	ppbv		34	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	106%		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

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M66000R

PAGE 1 OF 2

Client / Reporting Information

Company Name: GEI
Address: 400 Unicorn Park Dr
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): T. Daigle

Project Information

Project Name: 50 Tufts St
Street: 50 Tufts St
City: Somerville, State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit) Start: 78.6 Stop: 79.7 Maximum: Minimum:
Atmospheric Pressure (inches of Hg) Start: 30.01 Stop: 29.99 Maximum: Minimum:
Other weather comment: Sunny, ~~etc~~

Requested Analysis

Standard TO-15 Reporting Lim. | MA DEP APH

Lab Sample #	Field ID / Point of Collection	Air Type Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size (L or L)	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 Lim.	MA DEP APH	
-1	045162-97FRANK-SS1	SV	M161	6	MC109	6-30-07	1018	30	–	TAD	6-30-07	1122	4	–	TAD			HOLD
-2	045162-97FRANK-SS2	SV	M020	6	MC104	6-30-07	1028	29	–	TAD	6-30-07	1125	4					

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 T1
Other:

Comments / Remarks

Please HOLD Sample SS1

See attached list

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 GEI lab	6-30-07 800	1 T. Daigle	2 T. Daigle	6-30-07 1200	2 GEI lab
3 GEI Lab	7/2/07 1415	3 Amber Alles	4 Amber Alles	7/2/07 1415	4 Rya Takarkhan
5 Rya Takarkhan	7/2/07 4:12 PM	5 Rya Takarkhan	Custody Seal #		

SM053-R (2/14/99)

M66000R: Chain of Custody
Page 1 of 3

Substab

~~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 M66000R

From: Frank D'Agostino
Sent: Monday, July 16, 2007 9:32 AM
To: Betty Baer
Cc: Reza Tand
Subject: FW: M66000

Frank D'Agostino
Accutest Laboratories Of New England
495 Technology Center West, Building One
Marlborough, MA 01752
Office: 1-508-481-6200 X29
Fax: 1-508-481-7753

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From: Ray Siegener [mailto:RSiegener@geiconsultants.com]
Sent: Monday, July 16, 2007 9:26 AM
To: Frank D'Agostino; Philip Bassignani
Subject: M66000

Good Morning Gents -
Please run M66000-1, currently on hold.

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 Canister and Flow Controller Log

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 07/02/07

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
M161	6	29.4	06/26/07	PB	CP435	J10750.D	M66000-1	07/03/07	PB	3		-1.5	1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC104	06/15/07	PB	80	1	07/03/07	PB	81.4
MC109	06/15/07	PB	80	1	07/03/07	PB	80.7

Accutest Bottle Order(s):
PB/6-15-07/GEI/TUFTS ST.
PB/6-26-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
06/26/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M66000R

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M66000-1R Collected: 30-JUN-07 11:22 By: TAD Received: 02-JUL-07 By: RS 045162-97FRANK-SS1						
M66000-1R	TO-15	17-JUL-07 18:04	DFT			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-MB	Q3986.D	1	07/17/07	DFT	n/a	n/a	MSQ214

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

M66000-1R

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	91%	57-139%

Method Blank Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ556-MB	J10740.D	1	06/22/07	DFT	n/a	n/a	MSJ556

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

MSJ556-SCC

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	57-139%

Blank Spike Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-BS	Q3984B.D	1	07/17/07	DFT	n/a	n/a	MSQ214

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

M66000-1R

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.4	114	70-130
56-23-5	Carbon tetrachloride	10	11.2	112	70-130
75-34-3	1,1-Dichloroethane	10	10.7	107	70-130
75-35-4	1,1-Dichloroethylene	10	10.5	105	70-130
107-06-2	1,2-Dichloroethane	10	10.2	102	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.7	107	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.2	102	70-130
71-55-6	1,1,1-Trichloroethane	10	10.6	106	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.7	97	70-130
79-00-5	1,1,2-Trichloroethane	10	9.2	92	70-130
127-18-4	Tetrachloroethylene	10	9.9	99	70-130
79-01-6	Trichloroethylene	10	10.1	101	70-130
75-01-4	Vinyl chloride	10	10.6	106	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	57-139%

Blank Spike Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ556-BS	J10737B.D	1	06/22/07	DFT	n/a	n/a	MSJ556

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

MSJ556-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	12.6	126	70-130
56-23-5	Carbon tetrachloride	10	11.4	114	70-130
75-34-3	1,1-Dichloroethane	10	10.6	106	70-130
75-35-4	1,1-Dichloroethylene	10	11.2	112	70-130
107-06-2	1,2-Dichloroethane	10	10.1	101	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.0	110	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.1	101	70-130
71-55-6	1,1,1-Trichloroethane	10	11.0	110	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98	70-130
79-00-5	1,1,2-Trichloroethane	10	10.3	103	70-130
127-18-4	Tetrachloroethylene	10	10.0	100	70-130
79-01-6	Trichloroethylene	10	10.4	104	70-130
75-01-4	Vinyl chloride	10	12.8	128	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	57-139%

Duplicate Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M66000-1RDUP	Q3998.D	1	07/17/07	DFT	n/a	n/a	MSQ214
M66000-1R	Q3997.D	1	07/17/07	DFT	n/a	n/a	MSQ214

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

M66000-1R

CAS No.	Compound	M66000-1R ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.13	J	0.11	J	17	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	5.0		5.2		4	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M66000-1R	Limits
460-00-4	4-Bromofluorobenzene	104%	106%	57-139%

Summa Cleaning Certification

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ556-SCC	J10741.D	1	06/22/07	DFT	n/a	n/a	MSJ556

The QC reported here (Summa M161) applies to the following samples: **Method:** TO-15

Batch CP435 cleaned 06/20/07: M66000-1R(M161)

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	91%	57-139%

Instrument Performance Check (BFB)

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-BFB
Lab File ID: J10728.D
Instrument ID: GCMSJ
Injection Date: 06/22/07
Injection Time: 09:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	59480	19.4		Pass
75	30.0 - 66.0% of mass 95	151658	49.4		Pass
95	Base peak, 100% relative abundance	306880	100.0		Pass
96	5.0 - 9.0% of mass 95	20376	6.6		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	318656	103.8		Pass
175	4.0 - 9.0% of mass 174	18645	6.1	(5.9) [a]	Pass
176	93.0 - 101.0% of mass 174	309397	100.8	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	20154	6.6	(6.5) [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
MSJ556-IC556	J10728.D	06/22/07	09:26	00:00	Initial cal 0.5
MSJ556-IC556	J10729.D	06/22/07	10:16	00:50	Initial cal 0.2
MSJ556-IC556	J10731.D	06/22/07	11:55	02:29	Initial cal 40
MSJ556-IC556	J10732.D	06/22/07	12:44	03:18	Initial cal 20
MSJ556-ICC556	J10733.D	06/22/07	13:31	04:05	Initial cal 10
MSJ556-IC556	J10734.D	06/22/07	14:21	04:55	Initial cal 5
MSJ556-IC556	J10736.D	06/22/07	16:24	06:58	Initial cal 2
MSJ556-ICV556	J10737.D	06/22/07	17:13	07:47	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-BFB
Lab File ID: J10737A.D
Instrument ID: GCMSJ
Injection Date: 06/22/07
Injection Time: 17:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	42528	19.0		Pass
75	30.0 - 66.0% of mass 95	111533	49.8		Pass
95	Base peak, 100% relative abundance	223936	100.0		Pass
96	5.0 - 9.0% of mass 95	15347	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	234048	104.5		Pass
175	4.0 - 9.0% of mass 174	13928	6.2	(6.0) [a]	Pass
176	93.0 - 101.0% of mass 174	222656	99.4	(95.1) [a]	Pass
177	5.0 - 9.0% of mass 176	14792	6.6	(6.6) [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
MSJ556-CC556	J10737A.D	06/22/07	17:13	00:00	Continuing cal 10
MSJ556-BS	J10737B.D	06/22/07	17:13	00:00	Blank Spike
MSJ556-MB	J10740.D	06/22/07	19:46	02:33	Method Blank
MSJ556-SCC	J10740A.D	06/22/07	19:46	02:33	Summa Cleaning Certification
MSJ556-SCC	J10741.D	06/22/07	20:35	03:22	Summa Cleaning Certification
MSJ556-SCC	J10742.D	06/22/07	21:24	04:11	Summa Cleaning Certification
MSJ556-SCC	J10743.D	06/22/07	22:11	04:58	Summa Cleaning Certification
MSJ556-SCC	J10744.D	06/22/07	23:00	05:47	Summa Cleaning Certification
MSJ556-SCC	J10745.D	06/22/07	23:49	06:36	Summa Cleaning Certification
MSJ556-SCC	J10747.D	06/23/07	01:26	08:13	Summa Cleaning Certification
MSJ556-SCC	J10748.D	06/23/07	02:15	09:02	Summa Cleaning Certification
MSJ556-SCC	J10750.D	06/23/07	03:52	10:39	Summa Cleaning Certification
M65607-2	J10751.D	06/23/07	04:39	11:26	(used for QC only; not part of job M66000R)
M65607-2DUP	J10752.D	06/23/07	05:27	12:14	Duplicate
ZZZZZZ	J10753.D	06/23/07	06:15	13:02	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-BFB
Lab File ID: Q3977.D
Instrument ID: GCMSQ
Injection Date: 07/16/07
Injection Time: 16:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	37567	20.4		Pass
75	30.0 - 66.0% of mass 95	91035	49.5		Pass
95	Base peak, 100% relative abundance	183833	100.0		Pass
96	5.0 - 9.0% of mass 95	11307	6.2		Pass
173	Less than 2.0% of mass 174	121	0.07	(0.07) [a]	Pass
174	50.0 - 120.0% of mass 95	182726	99.4		Pass
175	4.0 - 9.0% of mass 174	12997	7.1	(7.1) [a]	Pass
176	93.0 - 101.0% of mass 174	176070	95.8	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	10865	5.9	(6.2) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ214-IC214	Q3977.D	07/16/07	16:53	00:00	Initial cal 40
MSQ214-IC214	Q3978.D	07/16/07	17:36	00:43	Initial cal 20
MSQ214-ICC214	Q3979.D	07/16/07	18:18	01:25	Initial cal 10
MSQ214-IC214	Q3980.D	07/16/07	19:01	02:08	Initial cal 5
MSQ214-IC214	Q3981.D	07/16/07	19:44	02:51	Initial cal 2
MSQ214-IC214	Q3982.D	07/16/07	20:26	03:33	Initial cal 0.5
MSQ214-IC214	Q3983.D	07/16/07	21:09	04:16	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-BFB
Lab File ID: Q3984.D
Instrument ID: GCMSQ
Injection Date: 07/17/07
Injection Time: 08:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	40213	21.2		Pass
75	30.0 - 66.0% of mass 95	102322	54.0		Pass
95	Base peak, 100% relative abundance	189568	100.0		Pass
96	5.0 - 9.0% of mass 95	12344	6.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	184490	97.3		Pass
175	4.0 - 9.0% of mass 174	13823	7.3	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	175296	92.5	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	11417	6.0	(6.5) [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
MSQ214-ICV214	Q3984.D	07/17/07	08:45	00:00	Initial cal verification 10
MSQ214-CC214	Q3984A.D	07/17/07	08:45	00:00	Continuing cal 10
MSQ214-BS	Q3984B.D	07/17/07	08:45	00:00	Blank Spike
MSQ214-MB	Q3986.D	07/17/07	10:09	01:24	Method Blank
MSQ214-SCC	Q3986A.D	07/17/07	10:09	01:24	Summa Cleaning Certification
MSQ214-SCC	Q3990.D	07/17/07	13:01	04:16	Summa Cleaning Certification
MSQ214-SCC	Q3991.D	07/17/07	13:44	04:59	Summa Cleaning Certification
MSQ214-SCC	Q3992.D	07/17/07	14:27	05:42	Summa Cleaning Certification
MSQ214-SCC	Q3993.D	07/17/07	15:11	06:26	Summa Cleaning Certification
MSQ214-SCC	Q3994.D	07/17/07	15:54	07:09	Summa Cleaning Certification
MSQ214-SCC	Q3995.D	07/17/07	16:39	07:54	Summa Cleaning Certification
MSQ214-SCC	Q3996.D	07/17/07	17:22	08:37	Summa Cleaning Certification
M66000-1R	Q3997.D	07/17/07	18:04	09:19	045162-97FRANK-SS1
M66000-1RDUP	Q3998.D	07/17/07	18:48	10:03	Duplicate
ZZZZZZ	Q3999.D	07/17/07	19:31	10:46	(unrelated sample)
ZZZZZZ	Q4001.D	07/17/07	20:58	12:13	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSJ556-CC556	**Injection Date:**	06/22/07
Lab File ID:	J10737A.D	**Injection Time:**	17:13
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	320244	8.64	1347074	10.45	1210672	14.68
Upper Limit [a]	448342	8.97	1885904	10.78	1694941	15.01
Lower Limit [b]	192146	8.31	808244	10.12	726403	14.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ556-BS	320244	8.64	1347074	10.45	1210672	14.68
MSJ556-MB	309814	8.63	1237988	10.44	1037522	14.67
MSJ556-SCC	309814	8.63	1237988	10.44	1037522	14.67
MSJ556-SCC	340983	8.63	1392220	10.44	1217060	14.67
MSJ556-SCC	348805	8.62	1450268	10.43	1244889	14.66
MSJ556-SCC	311401	8.63	1199704	10.44	997314	14.67
MSJ556-SCC	345969	8.63	1435737	10.44	1258559	14.67
MSJ556-SCC	349658	8.63	1441702	10.44	1243455	14.67
MSJ556-SCC	326532	8.63	1256544	10.44	1077231	14.67
MSJ556-SCC	299184	8.63	1119863	10.44	918976	14.67
MSJ556-SCC	333796	8.62	1258080	10.43	1045531	14.66
M65607-2	375162	8.62	1571746	10.44	1372039	14.67
M65607-2DUP	300047	8.63	1082647	10.44	911273	14.67
ZZZZZZ	324945	8.63	1285765	10.44	1086392	14.67

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

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

Volatile Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ214-CC214	**Injection Date:**	07/17/07
Lab File ID:	Q3984A.D	**Injection Time:**	08:45
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	198360	8.63	902151	10.46	781705	14.71
Upper Limit [a]	277704	8.96	1263011	10.79	1094387	15.04
Lower Limit [b]	119016	8.30	541291	10.13	469023	14.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ214-BS	198360	8.63	902151	10.46	781705	14.71
MSQ214-MB	220566	8.63	986337	10.46	863843	14.70
MSQ214-SCC	220566	8.63	986337	10.46	863843	14.70
MSQ214-SCC	236761	8.63	1093738	10.46	913225	14.71
MSQ214-SCC	230475	8.63	1086133	10.46	911320	14.71
MSQ214-SCC	226928	8.63	1028230	10.46	881765	14.70
MSQ214-SCC	215083	8.63	998215	10.46	842492	14.70
MSQ214-SCC	214066	8.63	1008316	10.46	850961	14.70
MSQ214-SCC	205762	8.69	989502	10.50	833718	14.72
MSQ214-SCC	208441	8.63	990841	10.46	837512	14.70
M66000-1R	210606	8.63	989081	10.46	866919	14.71
M66000-1RDUP	225936	8.63	1060985	10.46	899670	14.70
ZZZZZZ	215281	8.56	990346	10.44	816031	14.71
ZZZZZZ	182276	8.67	862965	10.48	730052	14.71

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: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.72	8.62	0.664	ok	0.659	0.599-0.719
1,3-Butadiene	4.60	8.62	0.534	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.87	8.62	0.565	ok	0.564	0.504-0.624
Bromoethene	5.39	8.62	0.625	ok	0.625	0.565-0.685
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.62	0.796	ok	0.795	0.735-0.855
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.62	0.585	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.25	8.62	0.493	ok	0.492	0.432-0.552
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.189	1.129-1.249
Cyclohexane	10.38	10.44	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.27	10.44	1.080	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.08	8.62	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.97	14.67	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.31	8.62	0.616	ok	0.610	0.550-0.670
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.73	8.62	1.013	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.34	8.62	0.503	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.414	1.354-1.474
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.22	14.67	0.901	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.08	8.62	0.705	ok	0.698	0.638-0.758
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.12	8.62	0.942	ok	0.940	0.880-1.000
Methyl Isobutyl Ketone	12.03	10.44	1.152	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.78	8.62	0.903	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.15	8.62	0.713	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.122	1.062-1.182
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	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.207	1.147-1.267
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	6.67	8.62	0.774	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.25	8.62	1.073	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.62	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.82	8.62	0.907	ok	0.906	0.846-0.966
m,p-Xylene	15.27	14.67	1.041	ok	1.041	0.981-1.101
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	8.63	8.30-8.96	407073	ok	371806	223084-520528
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	1800368	ok	1591757	955054-2228460
Chlorobenzene-D5	14.67	ok	14.68	14.35-15.01	1560130	ok	1368229	820937-1915521

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.75	8.63	0.666	ok	0.659	0.599-0.719
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.88	8.63	0.565	ok	0.564	0.504-0.624
Bromoethene	5.40	8.63	0.626	ok	0.625	0.565-0.685
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.71	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	8.74	8.63	1.013	ok	1.014	0.954-1.074
Chloromethane	4.25	8.63	0.492	ok	0.492	0.432-0.552
Carbon tetrachloride	10.26	8.63	1.189	ok	1.189	1.129-1.249
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	9.46	8.63	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
Dichlorodifluoromethane	4.08	8.63	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
Ethyl Acetate	8.64	8.63	1.001	ok	1.009	0.949-1.069
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.34	8.63	0.503	ok	0.502	0.442-0.562
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.414	1.354-1.474
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061
Methylene chloride	6.56	8.63	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.17	8.63	0.947	ok	0.940	0.880-1.000
Methyl Tert Butyl Ether	7.81	8.63	0.905	ok	0.899	0.839-0.959
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
1,1,1-Trichloroethane	9.68	8.63	1.122	ok	1.122	1.062-1.182
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
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Toluene	12.88	10.44	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.81	8.63	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.63	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.84	8.63	0.908	ok	0.906	0.846-0.966
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	376183	ok	371806	223084-520528
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	1706067	ok	1591757	955054-2228460
Chlorobenzene-D5	14.67	ok	14.68	14.35-15.01	1365497	ok	1368229	820937-1915521

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.64	0.655	ok	0.659	0.599-0.719
1,3-Butadiene	4.59	8.64	0.531	ok	0.532	0.472-0.592
Benzene	10.14	10.47	0.968	ok	0.969	0.909-1.029
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.45	14.70	1.051	ok	1.050	0.990-1.110
Bromomethane	4.86	8.64	0.562	ok	0.564	0.504-0.624
Bromoethene	5.38	8.64	0.623	ok	0.625	0.565-0.685
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.64	0.793	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.64	0.582	ok	0.583	0.523-0.643
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.64	0.491	ok	0.492	0.432-0.552
3-Chloropropene	6.66	8.64	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.64	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.38	10.47	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.70	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.93	10.47	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.22	10.47	1.072	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.07	8.64	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.37	14.70	0.910	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.64	0.863	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.92	14.70	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.70	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.70	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.25	8.64	0.608	ok	0.610	0.550-0.670
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.73	8.64	1.010	ok	1.009	0.949-1.069
4-Ethyltoluene	17.19	14.70	1.169	ok	1.171	1.111-1.231
Freon 113	6.79	8.64	0.786	ok	0.788	0.728-0.848
Freon 114	4.33	8.64	0.501	ok	0.502	0.442-0.562
Heptane	11.38	10.47	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.70	1.412	ok	1.414	1.354-1.474
Hexane	8.64	8.64	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.22	14.70	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.46	14.70	1.120	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.08	8.64	0.704	ok	0.698	0.638-0.758
Methylene chloride	6.55	8.64	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.11	8.64	0.939	ok	0.940	0.880-1.000
Methyl Isobutyl Ketone	12.04	10.47	1.150	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.64	0.896	ok	0.899	0.839-0.959
Nonane	15.99	14.70	1.088	ok	1.088	1.028-1.148
Pentane	6.14	8.64	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.64	0.463	ok	0.464	0.404-0.524
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.64	1.122	ok	1.122	1.062-1.182
1,1,2,2-Tetrachloroethane	15.84	14.70	1.078	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.67	10.47	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.70	1.379	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.74	14.70	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.14	10.47	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.68	8.64	0.773	ok	0.767	0.707-0.827
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.64	1.064	ok	1.066	1.006-1.126
Toluene	12.91	10.47	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.14	10.47	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.64	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.82	8.64	0.905	ok	0.906	0.846-0.966
m,p-Xylene	15.31	14.70	1.041	ok	1.041	0.981-1.101
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.63	8.30-8.96	344414	ok	371806	223084-520528
1,4-Difluorobenzene	10.47	ok	10.45	10.12-10.78	1429822	ok	1591757	955054-2228460
Chlorobenzene-D5	14.70	ok	14.68	14.35-15.01	1373956	ok	1368229	820937-1915521

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.64	0.656	ok	0.659	0.599-0.719
1,3-Butadiene	4.60	8.64	0.532	ok	0.532	0.472-0.592
Benzene	10.14	10.46	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.69	1.050	ok	1.050	0.990-1.110
Bromomethane	4.87	8.64	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.64	0.624	ok	0.625	0.565-0.685
Benzyl Chloride	17.90	14.69	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.64	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.73	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.64	0.583	ok	0.583	0.523-0.643
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.64	0.491	ok	0.492	0.432-0.552
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.69	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.64	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.38	10.46	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.69	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.46	1.071	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.08	8.64	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.35	14.69	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.64	0.863	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.46	1.142	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.92	14.69	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.69	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.25	8.64	0.608	ok	0.610	0.550-0.670
Ethylbenzene	15.11	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.64	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.27	14.69	1.176	ok	1.171	1.111-1.231
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.34	8.64	0.502	ok	0.502	0.442-0.562
Heptane	11.37	10.46	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.69	1.413	ok	1.414	1.354-1.474
Hexane	8.64	8.64	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.69	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.69	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.03	8.64	0.698	ok	0.698	0.638-0.758
Methylene chloride	6.55	8.64	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.10	8.64	0.938	ok	0.940	0.880-1.000
Methyl Isobutyl Ketone	12.03	10.46	1.150	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.64	0.896	ok	0.899	0.839-0.959
Nonane	15.98	14.69	1.088	ok	1.088	1.028-1.148
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	4.01	8.64	0.464	ok	0.464	0.404-0.524
Styrene	15.69	14.69	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.64	1.122	ok	1.122	1.062-1.182
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.69	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.73	14.69	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.27	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.63	8.64	0.767	ok	0.767	0.707-0.827
Tetrachloroethylene	14.02	14.69	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.64	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.46	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.13	10.46	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.64	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.82	8.64	0.905	ok	0.906	0.846-0.966
m,p-Xylene	15.29	14.69	1.041	ok	1.041	0.981-1.101
o-Xylene	15.80	14.69	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.63	8.30-8.96	347194	ok	371806	223084-520528
1,4-Difluorobenzene	10.46	ok	10.45	10.12-10.78	1342564	ok	1591757	955054-2228460
Chlorobenzene-D5	14.69	ok	14.68	14.35-15.01	1160072	ok	1368229	820937-1915521

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.63	0.657	ok	0.659	0.599-0.719
1,3-Butadiene	4.60	8.63	0.533	ok	0.532	0.472-0.592
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
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	4.87	8.63	0.564	ok	0.564	0.504-0.624
Bromoethene	5.40	8.63	0.626	ok	0.625	0.565-0.685
Benzyl Chloride	17.89	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.72	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.63	0.584	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.63	0.491	ok	0.492	0.432-0.552
3-Chloropropene	6.67	8.63	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.45	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.63	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.19	10.45	1.071	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.08	8.63	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.68	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.192	1.132-1.252
Ethanol	5.26	8.63	0.610	ok	0.610	0.550-0.670
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.63	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.68	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.34	8.63	0.503	ok	0.502	0.442-0.562
Heptane	11.36	10.45	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.414	1.354-1.474
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.19	14.68	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.68	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.01	8.63	0.696	ok	0.698	0.638-0.758
Methylene chloride	6.56	8.63	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.63	0.937	ok	0.940	0.880-1.000
Methyl Isobutyl Ketone	12.01	10.45	1.149	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.63	0.897	ok	0.899	0.839-0.959
Nonane	15.98	14.68	1.089	ok	1.088	1.028-1.148
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	4.01	8.63	0.465	ok	0.464	0.404-0.524
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.122	1.062-1.182
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	20.27	14.68	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.72	14.68	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.26	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	6.60	8.63	0.765	ok	0.767	0.707-0.827
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.63	1.065	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.45	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.81	8.63	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.63	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.906	0.846-0.966
m,p-Xylene	15.28	14.68	1.041	ok	1.041	0.981-1.101
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	8.63	8.30-8.96	393924	ok	371806	223084-520528
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1684327	ok	1591757	955054-2228460
Chlorobenzene-D5	14.68	ok	14.68	14.35-15.01	1430596	ok	1368229	820937-1915521

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.659	0.599-0.719
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.62	0.625	ok	0.625	0.565-0.685
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.492	0.432-0.552
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.189	1.129-1.249
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	13.58	14.67	0.926	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	11.19	10.44	1.072	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.36	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.25	8.62	0.609	ok	0.610	0.550-0.670
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.414	1.354-1.474
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.67	1.120	ok	1.119	1.059-1.179
Isopropyl Alcohol	5.97	8.62	0.693	ok	0.698	0.638-0.758
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.940	0.880-1.000
Methyl Isobutyl Ketone	12.00	10.44	1.149	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.122	1.062-1.182
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.56	8.62	0.761	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.62	1.066	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.064	1.004-1.124
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	0.906	0.846-0.966
m,p-Xylene	15.27	14.67	1.041	ok	1.041	0.981-1.101
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	8.63	8.30-8.96	369647	ok	371806	223084-520528
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	1607025	ok	1591757	955054-2228460
Chlorobenzene-D5	14.67	ok	14.68	14.35-15.01	1336832	ok	1368229	820937-1915521

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.62	0.659	ok	0.659	0.599-0.719
1,3-Butadiene	4.58	8.62	0.531	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.62	0.625	ok	0.625	0.565-0.685
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.492	0.432-0.552
3-Chloropropene	6.67	8.62	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.21	10.44	1.074	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.97	14.67	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.26	8.62	0.610	ok	0.610	0.550-0.670
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.414	1.354-1.474
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ556-IC556	J10728.D	06/22/07 09:26	DFT	0.5	GCMSJ	TO-15	
MSJ556-IC556	J10729.D	06/22/07 10:16	DFT	0.2	GCMSJ	TO-15	
MSJ556-IC556	J10731.D	06/22/07 11:55	DFT	40	GCMSJ	TO-15	
MSJ556-IC556	J10732.D	06/22/07 12:44	DFT	20	GCMSJ	TO-15	
MSJ556-ICC556	J10733.D	06/22/07 13:31	DFT	10	GCMSJ	TO-15	
MSJ556-IC556	J10734.D	06/22/07 14:21	DFT	5	GCMSJ	TO-15	
MSJ556-IC556	J10736.D	06/22/07 16:24	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.698	0.638-0.758
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.62	0.939	ok	0.940	0.880-1.000
Methyl Isobutyl Ketone	12.00	10.44	1.149	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.122	1.062-1.182
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.71	14.67	1.207	ok	1.207	1.147-1.267
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	6.58	8.62	0.763	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.62	1.066	ok	1.066	1.006-1.126
Toluene	12.88	10.44	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.064	1.004-1.124
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	0.906	0.846-0.966
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
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	8.63	8.30-8.96	364210	ok	371806	223084-520528
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	1572129	ok	1591757	955054-2228460
Chlorobenzene-D5	14.67	ok	14.68	14.35-15.01	1350522	ok	1368229	820937-1915521

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.71	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.71	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.71	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.71	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	10.93	10.46	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.71	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.02	14.71	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.71	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.71	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.71	14.71	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.71	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.93	10.46	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.71	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	8.63	8.30-8.96	209689	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	900241	ok	933706	560224-1307188
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	823235	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	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	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	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	8.63	8.30-8.96	221510	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1017396	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	906135	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.71	1.048	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.71	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.71	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.71	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	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.71	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.71	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.09	8.63	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.71	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.71	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.71	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.71	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.71	1.075	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	220494	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1001449	ok	933706	560224-1307188
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	880366	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.63	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	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	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.63	0.746	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.93	10.46	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	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	8.63	8.30-8.96	205904	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	947064	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	825944	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.63	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.63	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.93	10.46	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.63	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.63	1.060	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	202445	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	918040	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	788203	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.64	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.64	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.75	8.64	1.013	ok	1.014	0.954-1.074
Chloromethane	4.19	8.64	0.485	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.64	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.64	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.64	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.16	10.46	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.46	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.12	8.64	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.64	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.64	0.756	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.64	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.73	8.64	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.64	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.64	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.70	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.64	0.748	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.64	1.061	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.63	8.30-8.96	196436	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	898497	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	762074	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.63	0.651	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.63	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	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	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.46	1.068	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.63	0.983	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.46	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.02	14.70	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
Ethanol	5.12	8.63	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.63	1.126	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.63	1.063	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	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	8.63	8.30-8.96	189375	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	853254	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	728923	ok	816411	489847-1142975

Volatile Surrogate Recovery Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M66000-1R	Q3997.D	106.0
M66000-1RDUP	Q3998.D	104.0
MSJ556-SCC	J10741.D	91.0
MSQ214-BS	Q3984B.D	108.0
MSQ214-MB	Q3986.D	91.0
MSJ556-BS	J10737B.D	108.0
MSJ556-MB	J10740.D	88.0

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

Initial Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-ICC556
Lab FileID: J10733.D

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

Calibration Files
40 =J10731.D 20 =J10732.D 10 =J10733.D 5 =J10734.D
2 =J10736.D .5 =J10728.D .2 =J10729.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.603	2.732	2.618	2.667	3.570	3.876	3.279		3.192	16.20
3) PROPYLENE	0.587	0.409	0.398	0.405	0.513	0.507			0.470	16.45
4) FREON 114	3.149	2.450	2.071	2.323	3.085	3.434	2.828		2.763	17.96
5) CHLOROMETHAN	0.756	0.539	0.469	0.531	0.731	0.835	0.692		0.650	21.11
6) VINYL CHLORI	0.933	0.702	0.595	0.678	0.885	0.887	0.653		0.762	17.82
7) 1,3-BUTADIEN	0.712	0.528	0.443	0.501	0.657	0.617			0.577	17.77
8) BROMOMETHANE	1.079	0.871	0.746	0.856	0.997	1.191	0.905		0.949	15.85
9) CHLOROETHANE	0.451	0.332	0.274	0.339	0.419	0.459	0.298		0.367	20.35
10) TRICHLOROFLU	3.841	3.148	2.675	3.073	3.812	4.211	3.363		3.446	15.47
11) ISOPROPYL AL	1.270	0.957	0.835	0.895	1.014	1.743			1.119	30.45
----- Quadratic regression ----- Coefficient = 0.9999										
Response Ratio = 0.07697 + 0.59742 *A + 0.16314 *A^2										
12) ACETONE	1.270	0.914	0.800	0.975	1.449	1.873	1.601		1.269	31.19
----- Quadratic regression ----- Coefficient = 0.9989										
Response Ratio = 0.10238 + 0.52414 *A + 0.17942 *A^2										
13) PENTANE	0.820	0.651	0.572	0.641	0.748	0.848	0.694		0.710	14.11
14) 1,1-DICHLORO	1.116	0.992	0.820	0.901	0.990	1.027	0.860		0.958	10.74
15) CARBON DISUL	2.979	2.677	2.236	2.507	2.875	3.086	2.642		2.714	10.76
16) ETHANOL	0.209	0.167	0.136	0.153	0.215	0.284			0.194	27.93
17) BROMOETHENE	1.137	0.959	0.802	0.926	0.998	1.075	0.772		0.953	14.02
18) METHYLENE CH	0.982	0.856	0.691	0.793	1.826	1.814	1.955		1.274	44.07
----- Quadratic regression ----- Coefficient = 0.9966										
Response Ratio = 0.08642 + 0.61080 *A + 0.08789 *A^2										
19) 3-CHLOROPROP	1.051	0.840	0.572	0.614	0.765	0.857			0.783	22.42
20) FREON 113	2.457	2.277	1.892	2.045	2.318	2.624	2.077		2.241	11.34
21) TRANS-1,2-DI	1.116	1.037	0.830	0.903	0.955	1.050	0.754		0.949	13.61
22) TERTIARY BUT	1.756	1.492	1.136	1.272	1.024	0.979			1.277	23.45
23) METHYL TERTI	2.513	2.332	1.911	2.055	1.971	2.171	1.405		2.051	17.25
24) TETRAHYDROFU	0.773	0.739	0.570	0.598	0.594	0.548			0.637	14.83
25) HEXANE	1.188	1.164	0.985	1.019	1.219	1.375	1.221		1.167	11.30
26) VINYL ACETAT	1.627	1.424	1.143	1.130	0.869	1.254	0.939		1.198	22.12
27) 1,1-DICHLORO	1.850	1.626	1.295	1.392	1.664	1.978	1.449		1.608	15.44
28) METHYL ETHYL	1.496	1.381	1.104	1.161	1.239	1.440	1.047		1.267	13.75
29) cis-1,2-DICH	1.113	1.095	0.853	0.888	0.941	1.005	0.736		0.947	14.27
30) ETHYL ACETAT	1.619	1.593	1.231	1.250	1.311	1.512	0.890		1.344	19.08
31) CHLOROFORM	2.574	2.554	2.023	2.104	2.411	2.650	2.044		2.337	11.66
32) 1,1,1-TRICHL	3.089	2.871	2.178	2.411	2.874	3.014	2.138		2.654	15.12
33) CARBON TETRA	3.697	3.355	2.866	3.158	3.380	3.382	2.803		3.235	9.77
34) 1,2-DICHLORO	1.605	1.453	1.143	1.285	1.423	1.529	1.077		1.359	14.51
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.686	0.652	0.468	0.495	0.546	0.571	0.374		0.541	19.89

Initial Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-ICC556
Lab FileID: J10733.D

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37) CYCLOHEXANE  0.311 0.315 0.241 0.250 0.244 0.205             0.261  16.52
38) TRICHLOROETH 0.345 0.327 0.252 0.270 0.282 0.290 0.193       0.280  17.94
39) 1,2-DICHLORO 0.220 0.194 0.145 0.160 0.179 0.185 0.137       0.174  16.83
40) BROMODICHLOR 0.610 0.559 0.420 0.458 0.495 0.520 0.363       0.489  17.11
41) 2,2,4-TRIMET 0.973 0.977 0.702 0.734 0.823 0.769             0.830  14.43
42) 1,4-DIOXANE  0.141 0.139 0.097 0.096 0.081 0.149             0.117  24.95
43) HEPTANE      0.322 0.298 0.223 0.235 0.257 0.249             0.264  14.52
44) METHYL ISOBU 0.428 0.389 0.273 0.289 0.238 0.274             0.315  23.88
45) cis-1,3-DICH 0.363 0.325 0.237 0.246 0.245 0.187             0.267  24.09
46) TOLUENE      0.491 0.452 0.330 0.343 0.355 0.297 0.191       0.351  28.15
47) trans-1,3-DI 0.366 0.320 0.229 0.230 0.224 0.157             0.254  29.60
48) 1,1,2-TRICHL 0.236 0.212 0.158 0.171 0.184 0.189 0.128       0.183  19.27

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50) 2-HEXANONE   0.395 0.385 0.267 0.297 0.207 0.239             0.299  25.85
51) TETRACHLOROE 0.478 0.472 0.351 0.380 0.383 0.392 0.327       0.398  14.45
52) DIBROMOCHLOR 0.682 0.704 0.508 0.550 0.545 0.578 0.417       0.569  17.38
53) 1,2-DIBROMOE 0.496 0.487 0.354 0.381 0.388 0.369 0.230       0.386  23.16
54) CHLOROBENZEN 0.707 0.695 0.526 0.562 0.592 0.626 0.465       0.596  14.70
55) ETHYLBENZENE 1.074 1.038 0.774 0.805 0.813 0.666 0.374       0.792  29.71
56) m,p-XYLENE   0.411 0.412 0.306 0.307 0.330 0.285 0.151       0.314  28.09
57) o-XYLENE     0.422 0.415 0.308 0.314 0.317 0.285 0.134       0.314  30.62
            ----- Linear regression -----  Coefficient =  0.9958
              Response Ratio = -0.03666 + 0.42734 *A

58) STYRENE      0.550 0.519 0.354 0.333 0.372 0.259             0.398  28.45
59) NONANE       0.359 0.333 0.241 0.255 0.316 0.309             0.302  15.07
60) BROMOFORM    0.734 0.710 0.507 0.521 0.527 0.527 0.366       0.556  22.85
61) 4-BROMOFLUOR 0.674 0.655 0.606 0.585 0.641 0.626 0.561       0.621   6.39
62) 1,1,2,2-TETR 0.586 0.566 0.405 0.437 0.489 0.563 0.321       0.481  20.50
63) ISOPROPYLBEN 1.258 1.209 0.879 0.885 0.898 0.917             1.007  17.48
64) 2-CHLOROTOLU 0.813 0.705 0.522 0.541 0.618 0.559             0.626  18.03
65) 4-ETHYLTOLUE 0.975 0.849 0.575 0.582 0.676 0.605             0.710  23.27
66) 1,3,5-TRIMET 0.957 0.861 0.626 0.627 0.685 0.722             0.746  18.03
67) 1,2,4-TRIMET 0.766 0.662 0.468 0.474 0.548 0.512             0.572  20.76
68) m-DICHLOROBE 0.563 0.481 0.352 0.372 0.487 0.473             0.455  17.38
69) BENZYL CHLOR 0.498 0.397 0.284 0.280 0.292 0.220             0.328  30.71
         ----- Quadratic regression -----                Coefficient =  0.9992
              Response Ratio = -0.00961 + 0.27514 *A + 0.05657 *A^2

70) p-DICHLOROBE 0.508 0.428 0.317 0.343 0.434 0.375             0.401  17.42
71) o-DICHLOROBE 0.515 0.412 0.308 0.336 0.444 0.466             0.413  19.12
72) HEXACHLOROBU 0.289 0.284 0.218 0.255 0.565 0.820 0.696       0.447  54.55
         ----- Quadratic regression -----                Coefficient =  0.9945
              Response Ratio = 0.02451 + 0.22595 *A + 0.01448 *A^2

73) 1,2,4-TRICHL 0.106 0.101 0.071 0.076 0.185 0.216             0.126  47.67
         ----- Quadratic regression -----                Coefficient =  0.9933
              Response Ratio = 0.00709 + 0.07524 *A + 0.00751 *A^2

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

          J062207T.M        Mon Jun 25 09:25:04 2007
```

Continuing Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-CC556
Lab FileID: J10737A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10737A.D Vial: 3
Acq On : 22 Jun 2007 5:13 pm Operator: danat
Sample : cc556-10 (m045) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 17:13:57 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	81	0.00	8.64
2	m	DICHLORODIFLUOROMETHANE	3.192	3.909	-22.5	121	0.00	4.09
3	m	PROPYLENE	0.470	0.608	-29.4	124	0.00	4.02
4	m	FREON 114	2.763	3.414	-23.6	134	0.00	4.34
5	m	CHLOROMETHANE	0.650	0.819	-26.0	142	0.00	4.25
6	m	VINYL CHLORIDE	0.762	0.977	-28.2	134	0.00	4.47
7	m	1,3-BUTADIENE	0.577	0.739	-28.1	136	0.00	4.60
8	m	BROMOMETHANE	0.949	1.129	-19.0	123	0.00	4.87
9	m	CHLOROETHANE	0.367	0.463	-26.2	137	0.00	5.04
10	m	TRICHLOROFLUOROMETHANE	3.446	4.154	-20.5	126	0.00	5.81
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	12.134	-21.3	101	0.00	6.01
12	m	ACETONE	10.000	12.599	-26.0	106	0.01	5.69
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.710	0.858	-20.8	122	0.00	6.16
14	m	1,1-DICHLOROETHYLENE	0.958	1.073	-12.0	106	0.00	6.44
15	m	CARBON DISULFIDE	2.714	3.016	-11.1	110	0.00	6.86
16	m	ETHANOL	0.194	0.157	19.1	94	0.02	5.28
17	m	BROMOETHENE	0.953	1.139	-19.5	115	0.00	5.40
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	11.872	-18.7	110	0.00	6.56
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.783	0.916	-17.0	130	0.00	6.68
20	m	FREON 113	2.241	2.378	-6.1	102	0.00	6.80
21	m	TRANS-1,2-DICHLOROETHYLEN	0.949	1.043	-9.9	102	0.00	7.47
22	m	TERTIARY BUTYL ALCOHOL	1.277	1.361	-6.6	97	0.00	6.61
23	m	METHYL TERTIARY BUTYL ETH	2.051	2.071	-1.0	88	0.01	7.75
24	m	TETRAHYDROFURAN	0.637	0.607	4.7	86	0.01	9.20
25	m	HEXANE	1.167	1.098	5.9	91	0.00	8.64
26	m	VINYL ACETATE	1.198	1.202	-0.3	85	0.00	7.82
27	m	1,1-DICHLOROETHANE	1.608	1.708	-6.2	107	0.00	7.67
28	m	METHYL ETHYL KETONE	1.267	1.167	7.9	86	0.00	8.10
29	m	cis-1,2-DICHLOROETHYLENE	0.947	0.955	-0.8	91	0.00	8.47
30	m	ETHYL ACETATE	1.344	1.259	6.3	83	0.00	8.72
31	m	CHLOROFORM	2.337	2.395	-2.5	96	0.00	8.76
32	m	1,1,1-TRICHLOROETHANE	2.654	2.916	-9.9	109	0.00	9.69
33	m	CARBON TETRACHLORIDE	3.235	3.672	-13.5	104	0.00	10.27
34	m	1,2-DICHLOROETHANE	1.359	1.373	-1.0	98	0.00	9.47

Continuing Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-CC556
Lab FileID: J10737A.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	80	0.00	10.45
36	m	BENZENE	0.541	0.551	-1.8	94	0.00	10.14
37	m	CYCLOHEXANE	0.261	0.289	-10.7	96	0.00	10.38
38	m	TRICHLOROETHYLENE	0.280	0.291	-3.9	92	0.00	11.13
39	m	1,2-DICHLOROPROPANE	0.174	0.180	-3.4	99	0.00	10.91
40	m	BROMODICHLOROMETHANE	0.489	0.506	-3.5	96	0.00	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.830	0.965	-16.3	110	0.00	11.13
42	m	1,4-DIOXANE	0.117	0.085	27.4	70	0.01	11.21
43	m	HEPTANE	0.264	0.287	-8.7	103	0.00	11.37
44	m	METHYL ISOBUTYL KETONE	0.315	0.289	8.3	85	0.00	12.02
45	m	cis-1,3-DICHLOROPROPENE	0.267	0.280	-4.9	95	0.00	11.95
46	m	TOLUENE	0.351	0.392	-11.7	95	0.00	12.90
47	m	trans-1,3-DICHLOROPROPENE	0.254	0.215	15.4	75	0.00	12.45
48	m	1,1,2-TRICHLOROETHANE	0.183	0.189	-3.3	95	0.00	12.64
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	85	0.00	14.68
50	m	2-HEXANONE	0.299	0.225	24.7	71	0.01	13.20
51	m	TETRACHLOROETHYLENE	0.398	0.400	-0.5	96	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.569	0.567	0.4	94	0.00	13.34
53	m	1,2-DIBROMOETHANE	0.386	0.377	2.3	90	0.00	13.59
54	m	CHLOROBENZENE	0.522	0.600	-14.9	96	0.00	14.72
55	m	ETHYLBENZENE	0.792	0.943	-19.1	103	0.00	15.10
56	m	m,p-XYLENE	0.314	0.386	-22.9	107	0.01	15.29
		----------	True	Calc.	% Drift	----------		
57	m	o-XYLENE	10.000	9.971	0.3	107	0.00	15.80
		----------	AvgRF	CCRF	% Dev	----------		
58	m	STYRENE	0.398	0.471	-18.3	113	0.00	15.68
59	m	NONANE	0.302	0.413	-36.8#	145	0.00	15.98
60	m	BROMOFORM	0.556	0.542	2.5	90	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.543	0.671	-23.6	94	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.481	0.471	2.1	98	0.00	15.81
63	m	ISOPROPYLBENZENE	1.007	1.142	-13.4	110	0.00	16.44
64	m	2-CHLOROTOLUENE	0.626	0.769	-22.8	125	0.00	16.99
65	m	4-ETHYLTOLUENE	0.710	0.883	-24.4	130	0.00	17.18
66	m	1,3,5-TRIMETHYLBENZENE	0.746	0.901	-20.8	122	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	0.572	0.782	-36.7#	141	0.00	17.73
68	m	m-DICHLOROBENZENE	0.455	0.493	-8.4	118	0.00	17.91
		----------	True	Calc.	% Drift	----------		
69	m	BENZYL CHLORIDE	10.000	9.782	2.2	93	0.00	17.89
		----------	AvgRF	CCRF	% Dev	----------		
70	m	p-DICHLOROBENZENE	0.401	0.428	-6.7	114	0.00	17.99
71	m	o-DICHLOROBENZENE	0.413	0.449	-8.7	124	0.00	18.37
		----------	True	Calc.	% Drift	----------		
72	m	HEXACHLOROBUTADIENE	10.000	11.630	-16.3	119	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.626	-16.3	124	0.00	20.27
		----------	AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE	0.000	0.000	0.0	0#	0.00	20.40

(2.9 %) 2 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-CC556
Lab FileID: J10737A.D

J10733.D J062207T.M Mon Jun 25 09:29:42 2007

Initial Calibration Verification

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-ICV556
Lab FileID: J10737.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10737.D Vial: 3
Acq On : 22 Jun 2007 5:13 pm Operator: danat
Sample : icv556-10 (m045) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 17:13:57 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	81	0.00	8.64
2	m	DICHLORODIFLUOROMETHANE	3.192	3.909	-22.5	121	0.00	4.09
3	m	PROPYLENE	0.470	0.608	-29.4	124	0.00	4.02
4	m	FREON 114	2.763	3.414	-23.6	134	0.00	4.34
5	m	CHLOROMETHANE	0.650	0.819	-26.0	142	0.00	4.25
6	m	VINYL CHLORIDE	0.762	0.977	-28.2	134	0.00	4.47
7	m	1,3-BUTADIENE	0.577	0.739	-28.1	136	0.00	4.60
8	m	BROMOMETHANE	0.949	1.129	-19.0	123	0.00	4.87
9	m	CHLOROETHANE	0.367	0.463	-26.2	137	0.00	5.04
10	m	TRICHLOROFLUOROMETHANE	3.446	4.154	-20.5	126	0.00	5.81
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	12.134	-21.3	101	0.00	6.01
12	m	ACETONE	10.000	12.599	-26.0	106	0.01	5.69
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.710	0.858	-20.8	122	0.00	6.16
14	m	1,1-DICHLOROETHYLENE	0.958	1.073	-12.0	106	0.00	6.44
15	m	CARBON DISULFIDE	2.714	3.016	-11.1	110	0.00	6.86
16	m	ETHANOL	0.194	0.157	19.1	94	0.02	5.28
17	m	BROMOETHENE	0.953	1.139	-19.5	115	0.00	5.40
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	11.872	-18.7	110	0.00	6.56
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.783	0.916	-17.0	130	0.00	6.68
20	m	FREON 113	2.241	2.378	-6.1	102	0.00	6.80
21	m	TRANS-1,2-DICHLOROETHYLEN	0.949	1.043	-9.9	102	0.00	7.47
22	m	TERTIARY BUTYL ALCOHOL	1.277	1.361	-6.6	97	0.00	6.61
23	m	METHYL TERTIARY BUTYL ETH	2.051	2.071	-1.0	88	0.01	7.75
24	m	TETRAHYDROFURAN	0.637	0.607	4.7	86	0.01	9.20
25	m	HEXANE	1.167	1.098	5.9	91	0.00	8.64
26	m	VINYL ACETATE	1.198	1.202	-0.3	85	0.00	7.82
27	m	1,1-DICHLOROETHANE	1.608	1.708	-6.2	107	0.00	7.67
28	m	METHYL ETHYL KETONE	1.267	1.167	7.9	86	0.00	8.10
29	m	cis-1,2-DICHLOROETHYLENE	0.947	0.955	-0.8	91	0.00	8.47
30	m	ETHYL ACETATE	1.344	1.259	6.3	83	0.00	8.72
31	m	CHLOROFORM	2.337	2.395	-2.5	96	0.00	8.76
32	m	1,1,1-TRICHLOROETHANE	2.654	2.916	-9.9	109	0.00	9.69
33	m	CARBON TETRACHLORIDE	3.235	3.672	-13.5	104	0.00	10.27
34	m	1,2-DICHLOROETHANE	1.359	1.373	-1.0	98	0.00	9.47

Initial Calibration Verification

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-ICV556
Lab FileID: J10737.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	80	0.00	10.45
36	m	BENZENE	0.541	0.551	-1.8	94	0.00	10.14
37	m	CYCLOHEXANE	0.261	0.289	-10.7	96	0.00	10.38
38	m	TRICHLOROETHYLENE	0.280	0.291	-3.9	92	0.00	11.13
39	m	1,2-DICHLOROPROPANE	0.174	0.180	-3.4	99	0.00	10.91
40	m	BROMODICHLOROMETHANE	0.489	0.506	-3.5	96	0.00	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.830	0.965	-16.3	110	0.00	11.13
42	m	1,4-DIOXANE	0.117	0.085	27.4	70	0.01	11.21
43	m	HEPTANE	0.264	0.287	-8.7	103	0.00	11.37
44	m	METHYL ISOBUTYL KETONE	0.315	0.289	8.3	85	0.00	12.02
45	m	cis-1,3-DICHLOROPROPENE	0.267	0.280	-4.9	95	0.00	11.95
46	m	TOLUENE	0.351	0.392	-11.7	95	0.00	12.90
47	m	trans-1,3-DICHLOROPROPENE	0.254	0.215	15.4	75	0.00	12.45
48	m	1,1,2-TRICHLOROETHANE	0.183	0.189	-3.3	95	0.00	12.64
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	85	0.00	14.68
50	m	2-HEXANONE	0.299	0.225	24.7	71	0.01	13.20
51	m	TETRACHLOROETHYLENE	0.398	0.400	-0.5	96	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.569	0.567	0.4	94	0.00	13.34
53	m	1,2-DIBROMOETHANE	0.386	0.377	2.3	90	0.00	13.59
54	m	CHLOROBENZENE	0.522	0.600	-14.9	96	0.00	14.72
55	m	ETHYLBENZENE	0.792	0.943	-19.1	103	0.00	15.10
56	m	m,p-XYLENE	0.314	0.386	-22.9	107	0.01	15.29
		----------	True	Calc.	% Drift	----------		
57	m	o-XYLENE	10.000	9.971	0.3	107	0.00	15.80
		----------	AvgRF	CCRF	% Dev	----------		
58	m	STYRENE	0.398	0.471	-18.3	113	0.00	15.68
59	m	NONANE	0.302	0.413	-36.8#	145	0.00	15.98
60	m	BROMOFORM	0.556	0.542	2.5	90	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.543	0.671	-23.6	94	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.481	0.471	2.1	98	0.00	15.81
63	m	ISOPROPYLBENZENE	1.007	1.142	-13.4	110	0.00	16.44
64	m	2-CHLOROTOLUENE	0.626	0.769	-22.8	125	0.00	16.99
65	m	4-ETHYLTOLUENE	0.710	0.883	-24.4	130	0.00	17.18
66	m	1,3,5-TRIMETHYLBENZENE	0.746	0.901	-20.8	122	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	0.572	0.782	-36.7#	141	0.00	17.73
68	m	m-DICHLOROBENZENE	0.455	0.493	-8.4	118	0.00	17.91
		----------	True	Calc.	% Drift	----------		
69	m	BENZYL CHLORIDE	10.000	9.782	2.2	93	0.00	17.89
		----------	AvgRF	CCRF	% Dev	----------		
70	m	p-DICHLOROBENZENE	0.401	0.428	-6.7	114	0.00	17.99
71	m	o-DICHLOROBENZENE	0.413	0.449	-8.7	124	0.00	18.37
		----------	True	Calc.	% Drift	----------		
72	m	HEXACHLOROBUTADIENE	10.000	11.630	-16.3	119	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.626	-16.3	124	0.00	20.27
		----------	AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

(2.9 %) 2 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ556-ICV556
Lab FileID: J10737.D

J10733.D J062207T.M Mon Jun 25 09:26:01 2007

Initial Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICC214
Lab FileID: Q3979.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3983.D .5 =Q3982.D 2 =Q3981.D
5 =Q3980.D 10 =Q3979.D 20 =Q3978.D 40 =Q3977.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	4.002	3.399	3.337	3.337	3.106	3.194	3.296	3.382	8.60
3)m PROPYLENE	0.309	0.555	0.540	0.599	0.556	0.586	0.552	0.528	18.74
4)m FREON 114	3.718	3.134	2.895	3.058	2.958	3.051	3.107	3.132	8.68
5)m CHLOROMETHANE	0.801	0.694	0.728	0.745	0.696	0.712	0.702	0.725	5.24
6)m VINYL CHLORIDE	0.938	0.812	0.826	0.853	0.829	0.862	0.846	0.853	4.87
7)m 1,3-BUTADIENE	0.716	0.746	0.664	0.675	0.669	0.690	0.707	0.695	4.26
8)m BROMOMETHANE	0.968	0.985	0.929	0.954	0.950	0.982	0.971	0.963	2.05
9)m CHLOROETHANE	0.170	0.405	0.318	0.347	0.360	0.380	0.383	0.338	23.40
10)m TRICHLOROFLUOROME	3.901	3.619	3.029	3.118	3.038	3.153	3.361	3.317	10.01
11)m ISOPROPYL ALCOHOL	2.804	1.967	1.265	1.139	1.183	1.255	1.279	1.556	39.73
----- Linear regression (equal Weighting)----- Coefficient = 0.9993									
Response Ratio = -0.01673 + 1.27457 *A									
12)m ACETONE	3.411	2.186	1.398	1.209	1.231	1.313	1.365	1.730	47.03
----- Linear regression (equal Weighting)----- Coefficient = 0.9987									
Response Ratio = -0.02136 + 1.35484 *A									
13)m PENTANE	0.736	0.792	0.677	0.695	0.688	0.734	0.764	0.727	5.85
14)m 1,1-DICHLOROETHYL	0.973	0.974	0.893	0.863	0.897	0.942	0.986	0.932	5.19
15)m CARBON DISULFIDE	2.425	2.288	2.141	2.283	2.274	2.434	2.578	2.346	6.09
16)m ETHANOL	0.305	0.320	0.235	0.205	0.213	0.233	0.224	0.248	18.39
17)m BROMOETHENE	0.949	1.046	0.902	0.934	0.929	0.982	0.989	0.961	4.99
18)m METHYLENE CHLORID	3.257	1.982	1.135	1.029	1.060	1.124	1.194	1.540	53.63
----- Linear regression (equal Weighting)----- Coefficient = 0.9980									
Response Ratio = -0.02953 + 1.18375 *A									
19)m 3-CHLOROPROPENE	0.696	0.789	0.620	0.591	0.651	0.720	0.836	0.700	12.73
20)m FREON 113	3.094	2.497	2.093	2.051	2.061	2.157	2.265	2.317	16.25
21)m TRANS-1,2-DICHLOR	1.010	0.892	0.795	0.814	0.862	0.913	0.971	0.894	8.78
22)m TERTIARY BUTYL AL	1.580	1.652	1.475	1.472	1.535	1.612	1.684	1.573	5.27
23)m METHYL TERTIARY B	2.213	2.045	1.978	1.879	1.981	2.110	2.281	2.070	6.85
24)m TETRAHYDROFURAN	0.532	0.611	0.590	0.587	0.633	0.697	0.721	0.624	10.56
25)m HEXANE	2.901	2.057	1.444	1.195	1.250	1.303	1.341	1.642	38.17
----- Linear regression (equal Weighting)----- Coefficient = 0.9992									
Response Ratio = -0.01290 + 1.33324 *A									
26)m VINYL ACETATE	1.734	1.444	1.390	1.308	1.379	1.583	1.670	1.501	10.78
27)m 1,1-DICHLOROETHAN	1.577	1.535	1.274	1.309	1.390	1.530	1.723	1.477	10.83
28)m METHYL ETHYL KETO	1.555	1.422	1.186	1.212	1.287	1.386	1.443	1.356	9.84
29)m cis-1,2-DICHLOROE	0.771	0.755	0.689	0.710	0.775	0.876	0.954	0.790	11.88
30)m ETHYL ACETATE	3.723	2.845	2.380	2.184	2.303	2.486	2.579	2.643	19.73
31)m CHLOROFORM	2.097	2.073	1.811	1.854	1.974	2.136	2.364	2.044	9.16
32)m 1,1,1-TRICHLOROET	2.119	2.058	1.772	1.819	1.977	2.197	2.508	2.064	12.05
33)m CARBON TETRACHLOR	2.384	2.354	2.146	2.259	2.408	2.570	2.813	2.419	9.00
34)m 1,2-DICHLOROETHAN	1.133	1.176	1.104	1.095	1.141	1.289	1.461	1.200	11.02

Initial Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICC214
Lab FileID: Q3979.D

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35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.445 0.427 0.402 0.402 0.441 0.506 0.604 0.461  15.62
37)m CYCLOHEXANE       0.181 0.185 0.185 0.186 0.200 0.208 0.236 0.197   9.87
38)m TRICHLOROETHYLENE 0.262 0.230 0.228 0.227 0.249 0.275 0.335 0.258  14.93
39)m 1,2-DICHLOROPROPA 0.120 0.162 0.146 0.141 0.152 0.171 0.203 0.156  16.79
40)m BROMODICHLOROMETH 0.374 0.358 0.352 0.373 0.400 0.454 0.559 0.410  18.11
41)m 2,2,4-TRIMETHYLPE 0.608 0.683 0.622 0.639 0.698 0.761 0.918 0.704  15.31
42)m 1,4-DIOXANE       0.086 0.089 0.075 0.081 0.090 0.101 0.115 0.091  14.74
43)m HEPTANE           0.230 0.249 0.228 0.229 0.257 0.282 0.334 0.258  14.92
44)m METHYL ISOBUTYL K 0.300 0.311 0.296 0.291 0.329 0.369 0.422 0.331  14.55
45)m cis-1,3-DICHLOROP 0.221 0.204 0.198 0.211 0.235 0.270 0.335 0.239  20.42
46)m TOLUENE           0.339 0.292 0.284 0.290 0.321 0.363 0.439 0.333  16.55
47)m trans-1,3-DICHLOR 0.167 0.173 0.186 0.197 0.222 0.262 0.324 0.219  25.89
48)m 1,1,2-TRICHLOROET 0.159 0.159 0.159 0.155 0.166 0.184 0.222 0.172  14.09

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.285 0.330 0.263 0.282 0.314 0.361 0.420 0.322  16.84
51)m TETRACHLOROETHYLE 0.308 0.327 0.293 0.297 0.322 0.358 0.432 0.334  14.49
52)m DIBROMOCHLOROMETH 0.398 0.371 0.394 0.404 0.459 0.527 0.648 0.457  21.75
53)m 1,2-DIBROMOETHANE 0.356 0.340 0.320 0.320 0.346 0.401 0.477 0.366  15.36
54)m CHLOROBENZENE     0.520 0.489 0.473 0.472 0.508 0.568 0.675 0.529  13.62
55)m ETHYLBENZENE      0.712 0.710 0.770 0.770 0.845 0.935 1.107 0.835  17.15
56)m m,p-XYLENE        0.256 0.265 0.293 0.293 0.321 0.361 0.422 0.316  18.51
57)m o-XYLENE          0.263 0.275 0.299 0.293 0.326 0.363 0.427 0.321  17.90
58)m STYRENE           0.326 0.334 0.389 0.413 0.481 0.554 0.652 0.450  26.72
59)m NONANE            0.331 0.342 0.378 0.375 0.420 0.467 0.557 0.410  19.44
60)m BROMOFORM         0.312 0.329 0.356 0.381 0.461 0.547 0.686 0.439  31.07
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = -0.01089 + 0.40535 *A + 0.07092 *A^2

61)S 4-BROMOFLUOROBENZ 0.684 0.683 0.710 0.725 0.758 0.774 0.806 0.734   6.38
62)m 1,1,2,2-TETRACHLO 0.499 0.489 0.428 0.437 0.485 0.543 0.638 0.503  14.11
63)m ISOPROPYLBENZENE  0.866 0.856 0.895 0.883 0.995 1.102 1.293 0.984  16.49
64)m 2-CHLOROTOLUENE   0.621 0.599 0.629 0.633 0.718 0.800 0.949 0.707  18.10
65)m 4-ETHYLTOLUENE    0.696 0.715 0.766 0.788 0.937 1.031 1.237 0.881  22.53
66)m 1,3,5-TRIMETHYLBE 0.739 0.753 0.738 0.775 0.881 0.964 1.137 0.855  17.60
67)m 1,2,4-TRIMETHYLBE 0.601 0.670 0.692 0.714 0.820 0.920 1.095 0.788  21.75
68)m m-DICHLOROBENZENE 0.503 0.501 0.461 0.460 0.542 0.623 0.771 0.551  20.25
69)m BENZYL CHLORIDE   0.222 0.296 0.294 0.347 0.455 0.570 0.733 0.417  43.53
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.01876 + 0.39959 *A + 0.08482 *A^2

70)m p-DICHLOROBENZENE 0.498 0.379 0.455 0.480 0.544 0.612 0.757 0.532  23.06
71)m o-DICHLOROBENZENE 0.508 0.516 0.427 0.445 0.505 0.571 0.701 0.525  17.40
72)m HEXACHLOROBUTADIE 0.863 0.830 0.274 0.267 0.286 0.265 0.374 0.451  60.41
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = 0.02950 + 0.16697 *A + 0.04951 *A^2

73)m 1,2,4-TRICHLOROBE 0.295 0.311 0.137 0.162 0.192 0.204 0.281 0.226  30.56
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = 0.00601 + 0.13315 *A + 0.03651 *A^2

74)m NAPHTHALENE                                                0.000  -1.00
75)  2-METHYLNAPHTHALE                                          0.000  -1.00
76)  1-METHYLNAPHTHALE                                          0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range

          Q071607T.m        Wed Jul 18 14:23:22 2007   RPT1
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Continuing Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3984a.D Vial: 3
Acq On : 17 Jul 2007 8:45 am Operator: danat
Sample : cc214-10 (M209) Inst : MAMSQ
Misc : MS13893, MSQ214,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	90	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	3.382	3.665	-8.4	106	0.00	3.83- 4.24
3	m	PROPYLENE	0.528	0.555	-5.1	90	0.00	3.76- 4.17
4	m	FREON 114	3.132	3.364	-7.4	102	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.725	0.769	-6.1	99	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	0.853	0.905	-6.1	98	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.695	0.745	-7.2	100	0.00	4.35- 4.77
8	m	BROMOMETHANE	0.963	1.045	-8.5	99	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.338	0.385	-13.9	96	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	3.317	3.787	-14.2	112	0.00	5.58- 5.99
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	9.677	3.2	93	0.00	5.59- 6.06
12	m	ACETONE	10.000	8.199	18.0	80	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.727	0.836	-15.0	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	0.932	0.975	-4.6	98	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.346	2.727	-16.2	108	0.00	6.65- 7.06
16	m	ETHANOL	0.248	0.201	19.0	85	0.00	4.86- 5.33
17	m	BROMOETHENE	0.961	1.033	-7.5	100	0.00	5.16- 5.58
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.273	27.3	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.700	0.778	-11.1	108	0.00	6.45- 6.87
20	m	FREON 113	2.317	2.096	9.5	91	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.894	0.960	-7.4	100	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.573	1.677	-6.6	98	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.070	1.977	4.5	90	0.00	7.50- 7.92
24	m	TETRAHYDROFURAN	0.624	0.562	9.9	80	0.00	9.00- 9.29
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	7.939	20.6	75	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.501	1.436	4.3	94	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.477	1.576	-6.7	102	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.356	1.234	9.0	86	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.790	0.808	-2.3	94	0.00	8.26- 8.68
30	m	ETHYL ACETATE	2.643	2.040	22.8	80	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

31	m	CHLOROFORM	2.044	2.087	-2.1	95	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.064	2.182	-5.7	99	0.00	9.50- 9.92
33	m	CARBON TETRACHLORIDE	2.419	2.708	-11.9	101	0.00	10.09-10.50
34	m	1,2-DICHLOROETHANE	1.200	1.223	-1.9	96	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.26-10.67
36	m	BENZENE	0.461	0.423	8.2	86	0.00	9.94-10.36
37	m	CYCLOHEXANE	0.197	0.197	0.0	89	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.258	0.261	-1.2	94	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.156	0.145	7.1	86	0.00	10.72-11.13
40	m	BROMODICHLOROMETHANE	0.410	0.419	-2.2	95	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.704	0.715	-1.6	92	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.091	0.086	5.5	87	0.00	10.87-11.40
43	m	HEPTANE	0.258	0.256	0.8	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.331	0.315	4.8	86	0.00	11.76-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.239	0.241	-0.8	92	0.00	11.76-12.17
46	m	TOLUENE	0.333	0.295	11.4	83	0.00	12.72-13.13
47	m	trans-1,3-DICHLOROPROP	0.219	0.194	11.4	79	0.00	12.31-12.62
48	m	1,1,2-TRICHLOROETHANE	0.172	0.158	8.1	86	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.55-14.86
50	m	2-HEXANONE	0.322	0.301	6.5	85	0.00	12.95-13.35
51	m	TETRACHLOROETHYLENE	0.334	0.329	1.5	91	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.457	0.471	-3.1	91	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.366	0.342	6.6	88	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.529	0.492	7.0	86	0.00	14.60-14.91
55	m	ETHYLBENZENE	0.835	0.792	5.1	83	0.00	14.95-15.31
56	m	m,p-XYLENE	0.316	0.309	2.2	85	0.00	15.15-15.51
57	m	o-XYLENE	0.321	0.313	2.5	85	0.00	15.64-16.01
58	m	STYRENE	0.450	0.460	-2.2	85	0.00	15.55-15.86
59	m	NONANE	0.410	0.418	-2.0	88	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	9.823	1.8	88	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.734	0.792	-7.9	93	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.503	0.487	3.2	89	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	0.984	0.975	0.9	87	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.707	0.718	-1.6	89	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.881	0.860	2.4	82	0.00	17.08-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.855	0.873	-2.1	88	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.788	0.846	-7.4	92	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.551	0.562	-2.0	92	0.00	17.78-18.11
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	10.142	-1.4	92	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.532	0.565	-6.2	92	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.525	0.515	1.9	91	0.00	18.25-18.56
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.094	-40.9#	113	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.186	-31.9#	113	0.00	20.10-20.51
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

Continuing Calibration Summary

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    Q3979.D    Q071607T.m       Tue Jul 17 14:06:51 2007   RPT1
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Initial Calibration Verification

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3984.D Vial: 3
Acq On : 17 Jul 2007 8:45 am Operator: danat
Sample : icv214-10 (M209) Inst : MAMSQ
Misc : MS13893, MSQ214,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	90	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	3.382	3.665	-8.4	106	0.00	3.83- 4.24
3	m	PROPYLENE	0.528	0.555	-5.1	90	0.00	3.76- 4.17
4	m	FREON 114	3.132	3.364	-7.4	102	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.725	0.769	-6.1	99	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	0.853	0.905	-6.1	98	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.695	0.745	-7.2	100	0.00	4.35- 4.77
8	m	BROMOMETHANE	0.963	1.045	-8.5	99	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.338	0.385	-13.9	96	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	3.317	3.787	-14.2	112	0.00	5.58- 5.99
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	9.677	3.2	93	0.00	5.59- 6.06
12	m	ACETONE	10.000	8.199	18.0	80	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.727	0.836	-15.0	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	0.932	0.975	-4.6	98	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.346	2.727	-16.2	108	0.00	6.65- 7.06
16	m	ETHANOL	0.248	0.201	19.0	85	0.00	4.86- 5.33
17	m	BROMOETHENE	0.961	1.033	-7.5	100	0.00	5.16- 5.58
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.273	27.3	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.700	0.778	-11.1	108	0.00	6.45- 6.87
20	m	FREON 113	2.317	2.096	9.5	91	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.894	0.960	-7.4	100	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.573	1.677	-6.6	98	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.070	1.977	4.5	90	0.00	7.50- 7.92
24	m	TETRAHYDROFURAN	0.624	0.562	9.9	80	0.00	9.00- 9.29
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	7.939	20.6	75	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.501	1.436	4.3	94	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.477	1.576	-6.7	102	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.356	1.234	9.0	86	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.790	0.808	-2.3	94	0.00	8.26- 8.68
30	m	ETHYL ACETATE	2.643	2.040	22.8	80	0.00	8.45- 8.87

Initial Calibration Verification

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

31	m	CHLOROFORM	2.044	2.087	-2.1	95	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.064	2.182	-5.7	99	0.00	9.50- 9.92
33	m	CARBON TETRACHLORIDE	2.419	2.708	-11.9	101	0.00	10.09-10.50
34	m	1,2-DICHLOROETHANE	1.200	1.223	-1.9	96	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.26-10.67
36	m	BENZENE	0.461	0.423	8.2	86	0.00	9.94-10.36
37	m	CYCLOHEXANE	0.197	0.197	0.0	89	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.258	0.261	-1.2	94	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.156	0.145	7.1	86	0.00	10.72-11.13
40	m	BROMODICHLOROMETHANE	0.410	0.419	-2.2	95	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.704	0.715	-1.6	92	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.091	0.086	5.5	87	0.00	10.87-11.40
43	m	HEPTANE	0.258	0.256	0.8	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.331	0.315	4.8	86	0.00	11.76-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.239	0.241	-0.8	92	0.00	11.76-12.17
46	m	TOLUENE	0.333	0.295	11.4	83	0.00	12.72-13.13
47	m	trans-1,3-DICHLOROPROP	0.219	0.194	11.4	79	0.00	12.31-12.62
48	m	1,1,2-TRICHLOROETHANE	0.172	0.158	8.1	86	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.55-14.86
50	m	2-HEXANONE	0.322	0.301	6.5	85	0.00	12.95-13.35
51	m	TETRACHLOROETHYLENE	0.334	0.329	1.5	91	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.457	0.471	-3.1	91	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.366	0.342	6.6	88	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.529	0.492	7.0	86	0.00	14.60-14.91
55	m	ETHYLBENZENE	0.835	0.792	5.1	83	0.00	14.95-15.31
56	m	m,p-XYLENE	0.316	0.309	2.2	85	0.00	15.15-15.51
57	m	o-XYLENE	0.321	0.313	2.5	85	0.00	15.64-16.01
58	m	STYRENE	0.450	0.460	-2.2	85	0.00	15.55-15.86
59	m	NONANE	0.410	0.418	-2.0	88	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	9.823	1.8	88	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.734	0.792	-7.9	93	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.503	0.487	3.2	89	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	0.984	0.975	0.9	87	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.707	0.718	-1.6	89	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.881	0.860	2.4	82	0.00	17.08-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.855	0.873	-2.1	88	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.788	0.846	-7.4	92	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.551	0.562	-2.0	92	0.00	17.78-18.11
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	10.142	-1.4	92	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.532	0.565	-6.2	92	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.525	0.515	1.9	91	0.00	18.25-18.56
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.094	-40.9#	113	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.186	-31.9#	113	0.00	20.10-20.51
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

Initial Calibration Verification

Job Number: M66000R
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    Q3979.D    Q071607T.m       Tue Jul 17 14:05:47 2007   RPT1
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GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3997.D
Acq On : 17 Jul 2007 6:04 pm
Operator : danat
Sample : M66000-1R (M161)
Misc : MS13951, MSQ214,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 18 09:14:10 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	210606	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	989081	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	866919	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	336287	5.28	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.60%

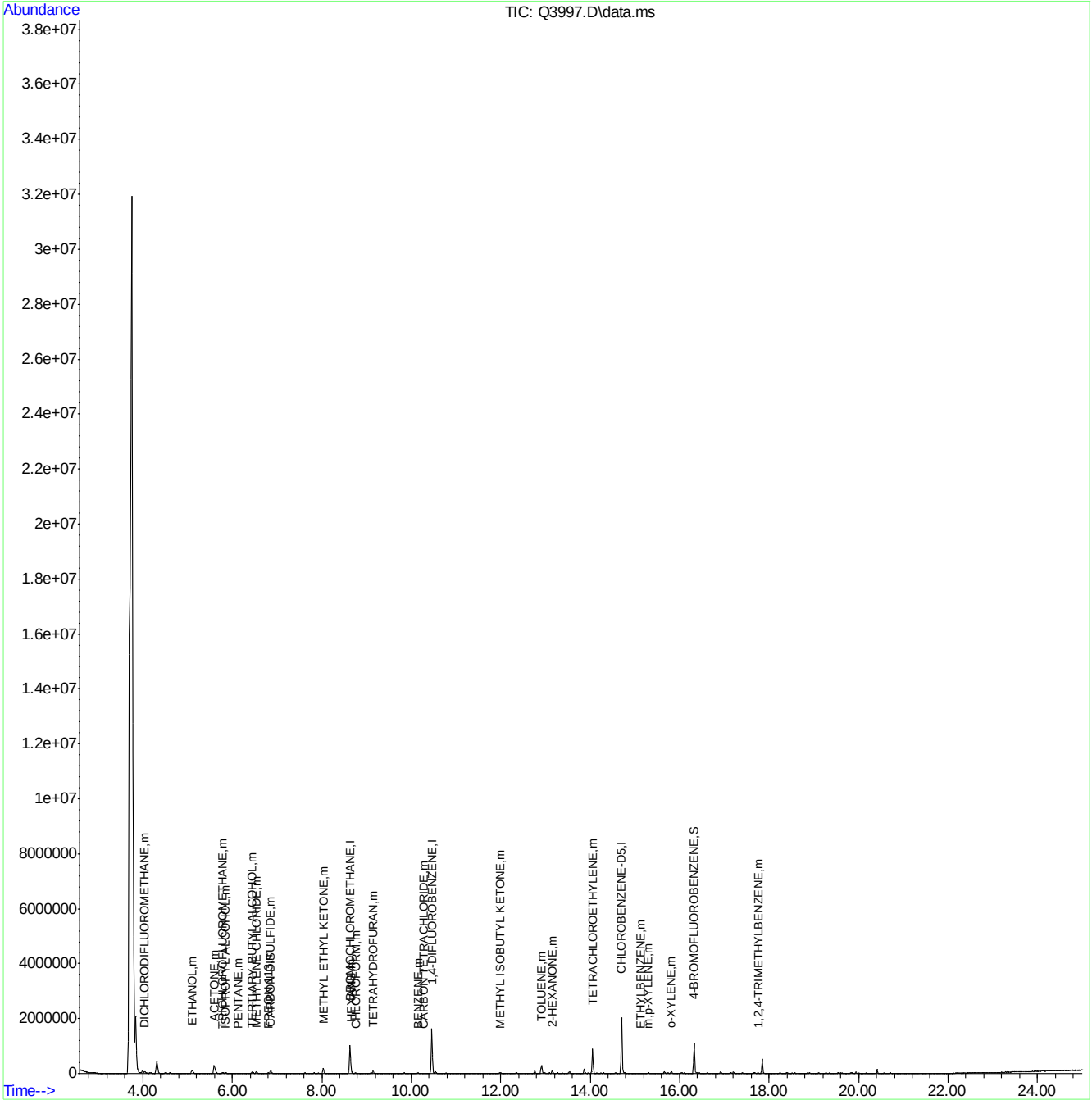
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	65166	0.92	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	30040	0.43	PPBV	96
11) ISOPROPYL ALCOHOL	5.845	45	36414	1.49	PPBV	97
12) ACETONE	5.595	43	496815	17.57	PPBV	94
13) PENTANE	6.136	42	5846	0.38	PPBV	93
15) CARBON DISULFIDE	6.857	76	154437	3.13	PPBV	91
16) ETHANOL	5.107	45	153530	29.42	PPBV	97
18) METHYLENE CHLORIDE	6.541	84	27427	1.35	PPBV	83
20) FREON 113	6.800	151	8851m	0.18	PPBV	
22) TERTIARY BUTYL ALCOHOL	6.445	59	76412	2.31	PPBV	77
24) TETRAHYDROFURAN	9.146	42	47096	3.58	PPBV	82
25) HEXANE	8.663	57	12217	0.53	PPBV #	69
28) METHYL ETHYL KETONE	8.035	43	241493	8.46	PPBV	90
31) CHLOROFORM	8.750	83	25126	0.58	PPBV	95
33) CARBON TETRACHLORIDE	10.291	117	6373	0.13	PPBV	90
36) BENZENE	10.149	78	17524	0.38	PPBV	93
44) METHYL ISOBUTYL KETONE	11.988	43	21525	0.66	PPBV	83
46) TOLUENE	12.918	92	44044	1.34	PPBV	92
50) 2-HEXANONE	13.152	43	72360	2.59	PPBV	82
51) TETRACHLOROETHYLENE	14.055	164	145269	5.02	PPBV	88
55) ETHYLBENZENE	15.131	91	9032	0.12	PPBV	75
56) m,p-XYLENE	15.301	106	10582	0.39	PPBV #	76
57) o-XYLENE	15.823	106	5649	0.20	PPBV #	76
67) 1,2,4-TRIMETHYLBENZENE	17.761	105	16995	0.25	PPBV	93

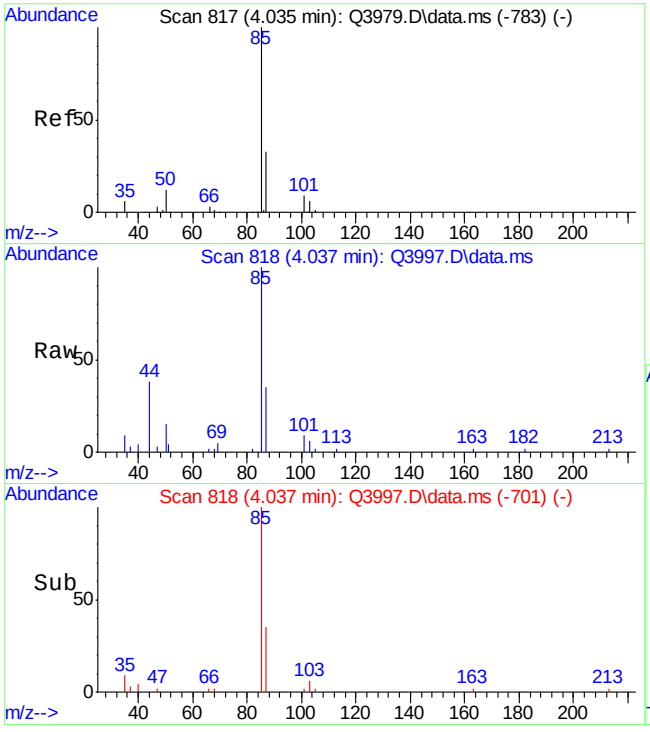
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3997.D
Acq On : 17 Jul 2007 6:04 pm
Operator : danat
Sample : M66000-1R (M161)
Misc : MS13951, MSQ214,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 18 09:14:10 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

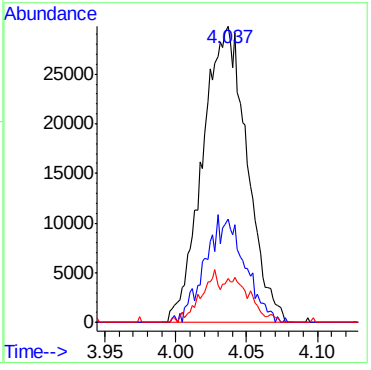


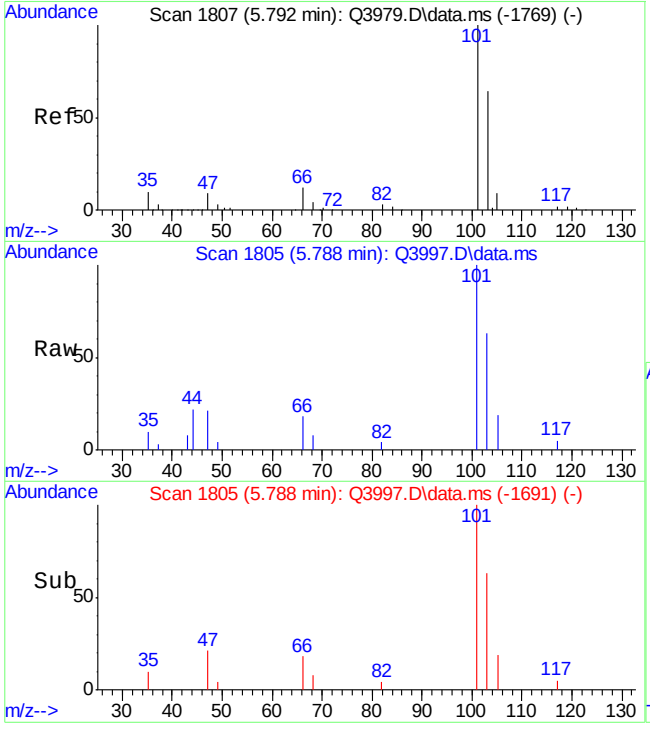


#2
DICHLORODIFLUOROMETHANE
Concen: 0.92 PPBV
RT: 4.037 min Scan# 818
Delta R.T. 0.002 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 85 Resp: 65166

Ion	Ratio	Lower	Upper
85	100		
87	32.1	12.1	52.1
50	16.4	0.0	32.0

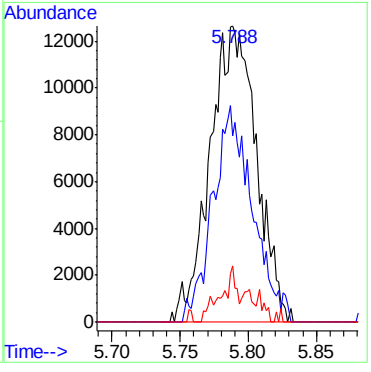


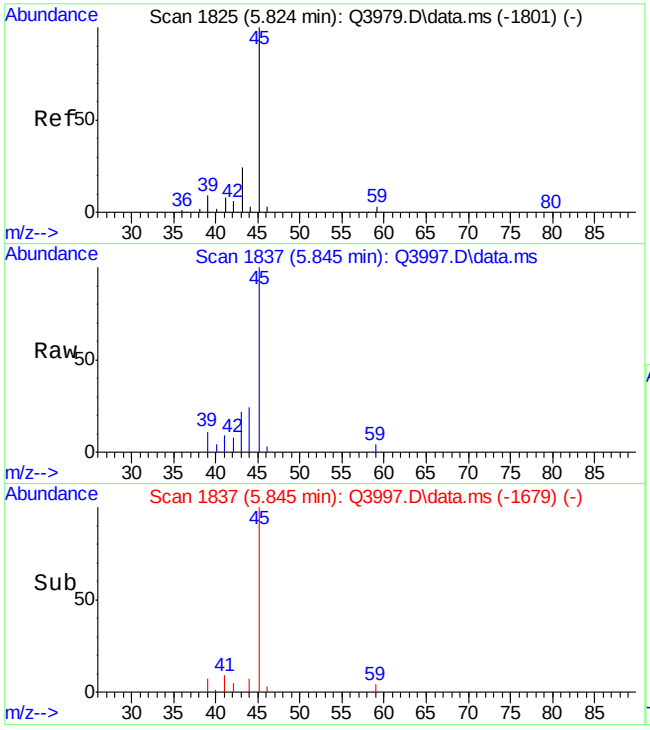


#10
TRICHLOROFLUOROMETHANE
Concen: 0.43 PPBV
RT: 5.788 min Scan# 1805
Delta R.T. -0.004 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion:101 Resp: 30040

Ion	Ratio	Lower	Upper
101	100		
103	61.9	44.6	84.6
105	6.3	0.0	30.4

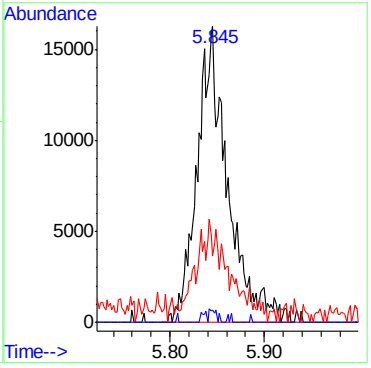


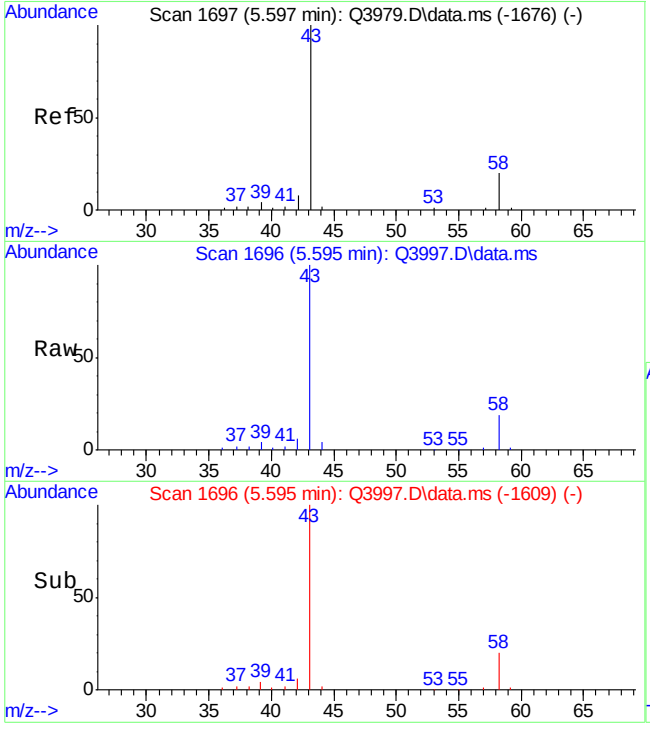


#11
ISOPROPYL ALCOHOL
Concen: 1.49 PPBV
RT: 5.845 min Scan# 1837
Delta R.T. 0.022 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 45 Resp: 36414

Ion	Ratio	Lower	Upper
45	100		
59	4.3	0.0	23.5
43	22.4	3.7	43.7

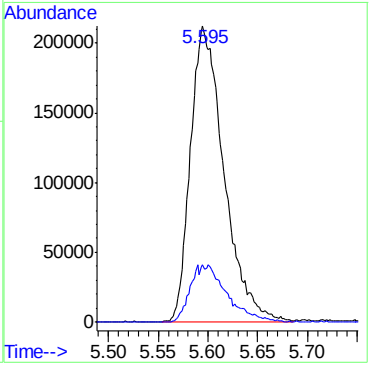


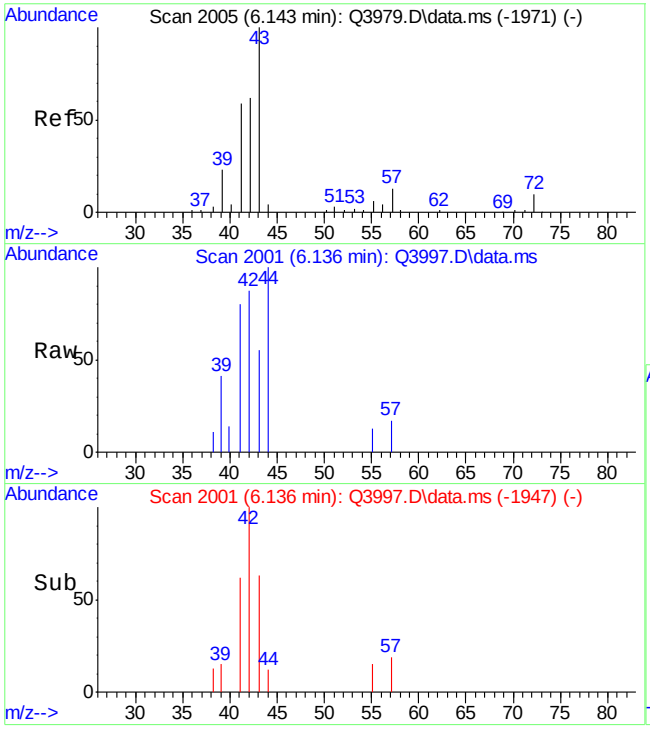


#12
ACETONE
Concen: 17.57 PPBV
RT: 5.595 min Scan# 1696
Delta R.T. -0.001 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 43 Resp: 496815

Ion	Ratio	Lower	Upper
43	100		
58	21.2	4.0	44.0

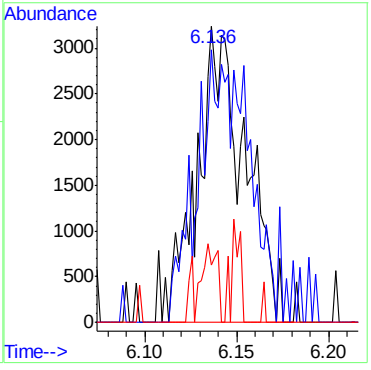


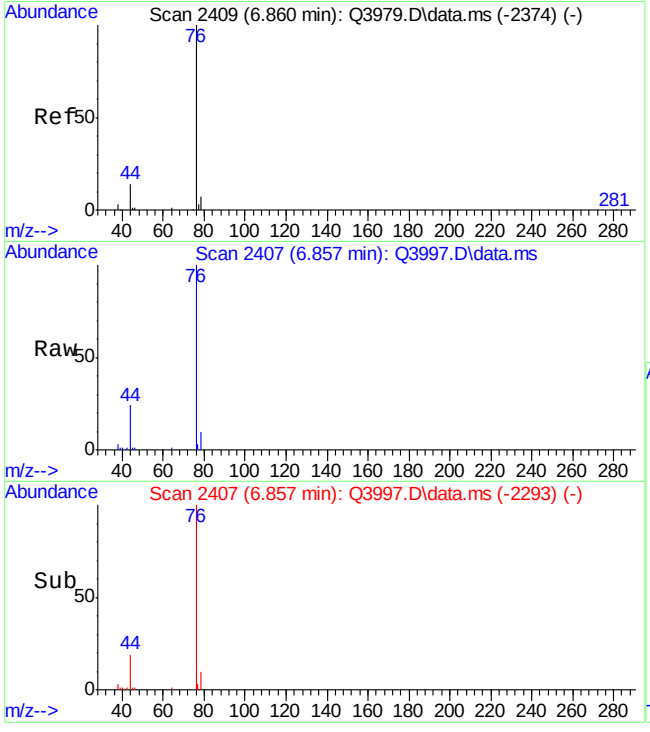


#13
PENTANE
Concen: 0.38 PPBV
RT: 6.136 min Scan# 2001
Delta R.T. -0.007 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 42 Resp: 5846

Ion	Ratio	Lower	Upper
42	100		
41	104.4	82.3	122.3
57	10.3	5.0	45.0

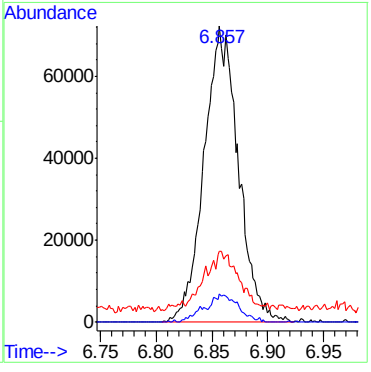


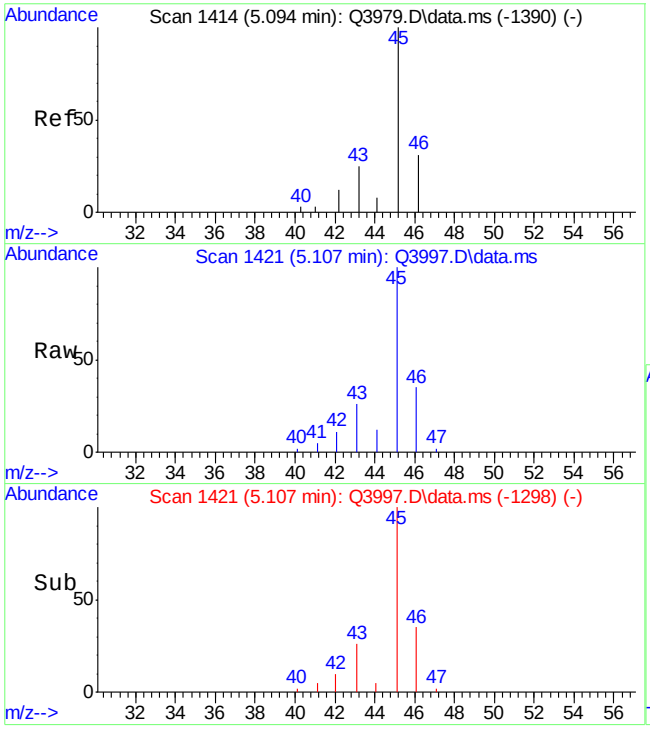


#15
CARBON DISULFIDE
Concen: 3.13 PPBV
RT: 6.857 min Scan# 2407
Delta R.T. -0.004 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 76 Resp: 154437

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	29.1
44	20.8	0.0	35.0

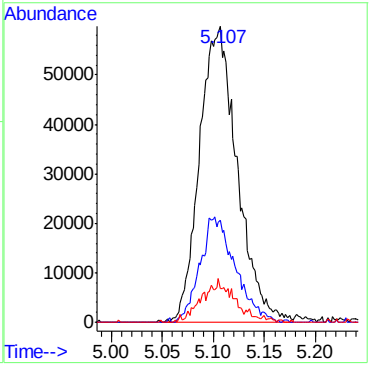


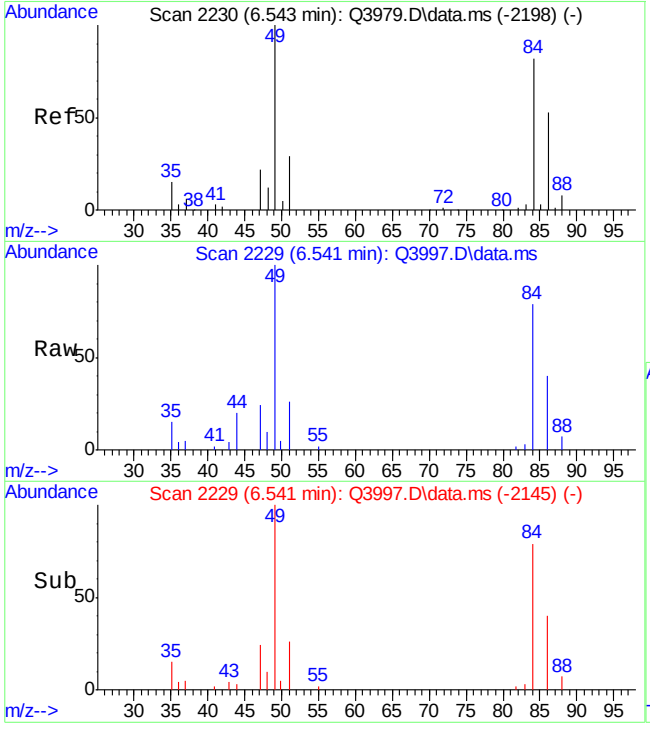


#16
ETHANOL
Concen: 29.42 PPBV
RT: 5.107 min Scan# 1421
Delta R.T. 0.012 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 45 Resp: 153530

Ion	Ratio	Lower	Upper
45	100		
46	33.4	13.8	53.8
42	12.4	0.0	25.9

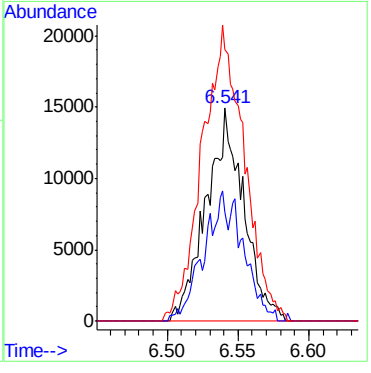


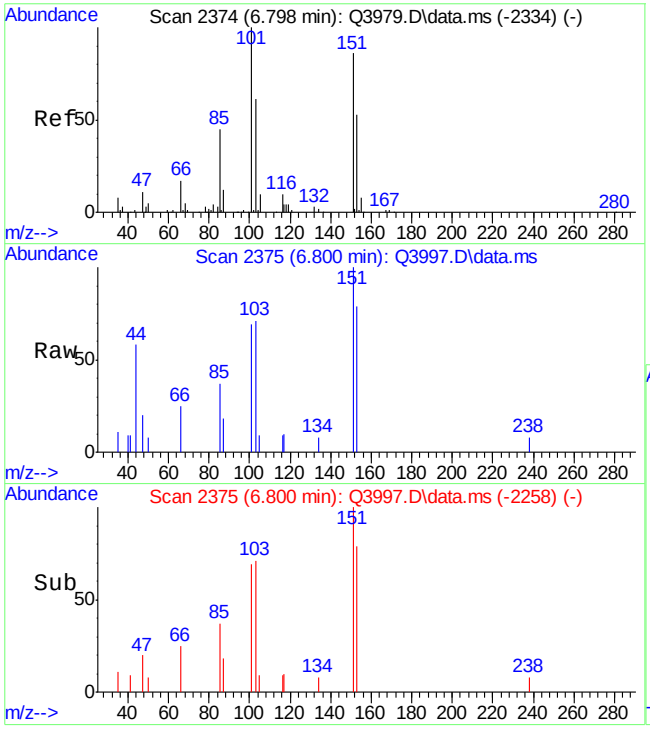


#18
METHYLENE CHLORIDE
Concen: 1.35 PPBV
RT: 6.541 min Scan# 2229
Delta R.T. -0.001 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 84 Resp: 27427

Ion	Ratio	Lower	Upper
84	100		
86	63.8	45.0	85.0
49	156.1	0.0	327.5

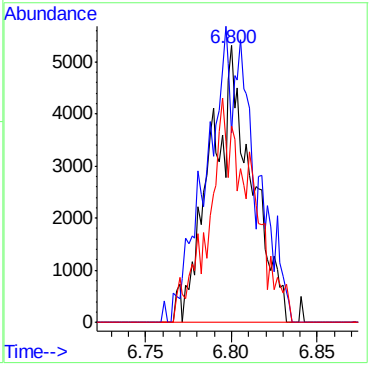


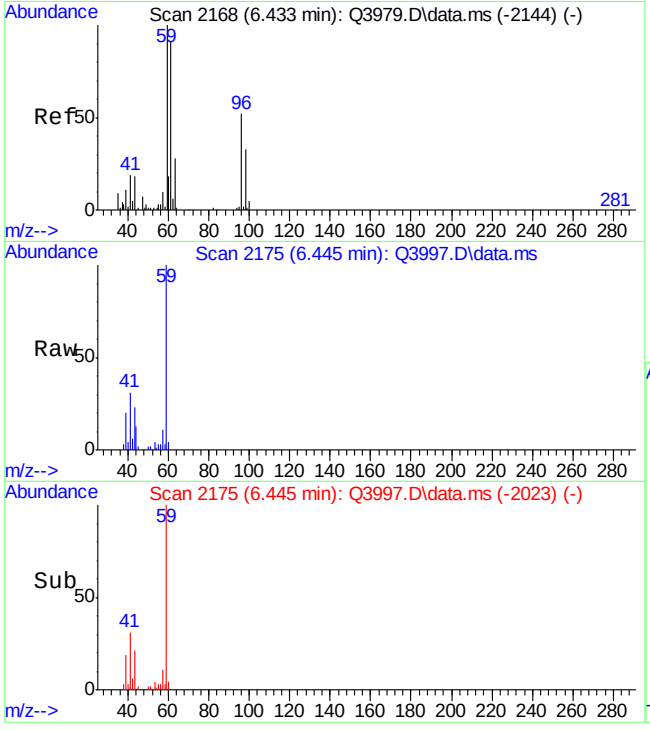


#20
FREON 113
Concen: 0.18 PPBV m
RT: 6.800 min Scan# 2375
Delta R.T. 0.002 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion:151 Resp: 8851

Ion	Ratio	Lower	Upper
151	100		
101	124.6	94.3	134.3
103	84.1	53.8	93.8

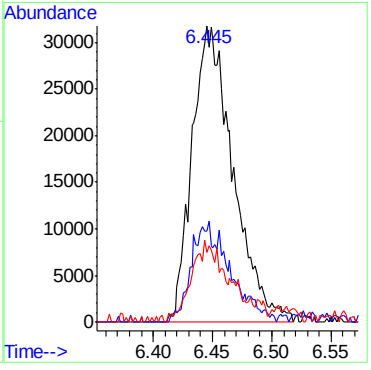


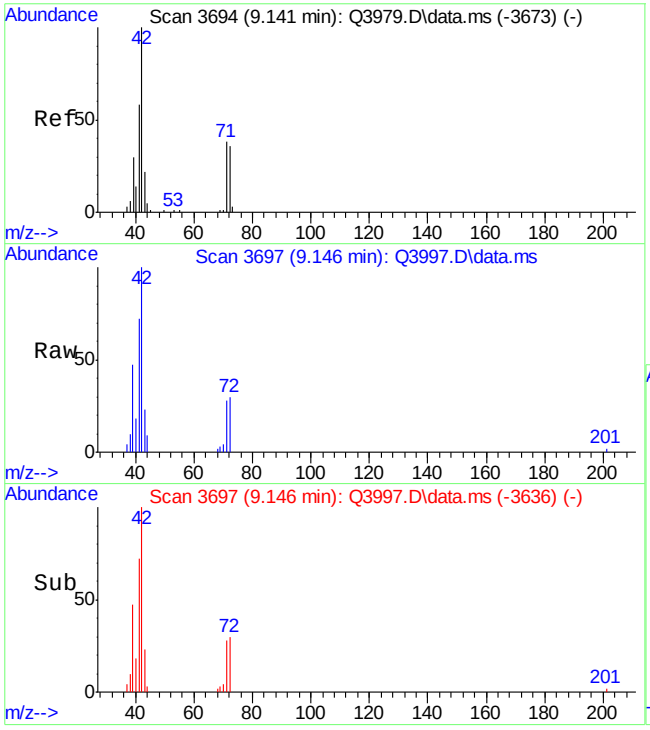


#22
TERTIARY BUTYL ALCOHOL
Concen: 2.31 PPBV
RT: 6.445 min Scan# 2175
Delta R.T. 0.012 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 59 Resp: 76412

Ion	Ratio	Lower	Upper
59	100		
41	31.7	0.7	40.7
43	26.9	0.0	37.3

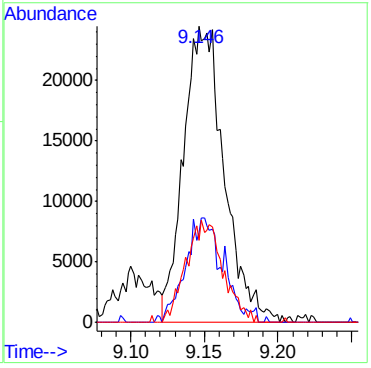


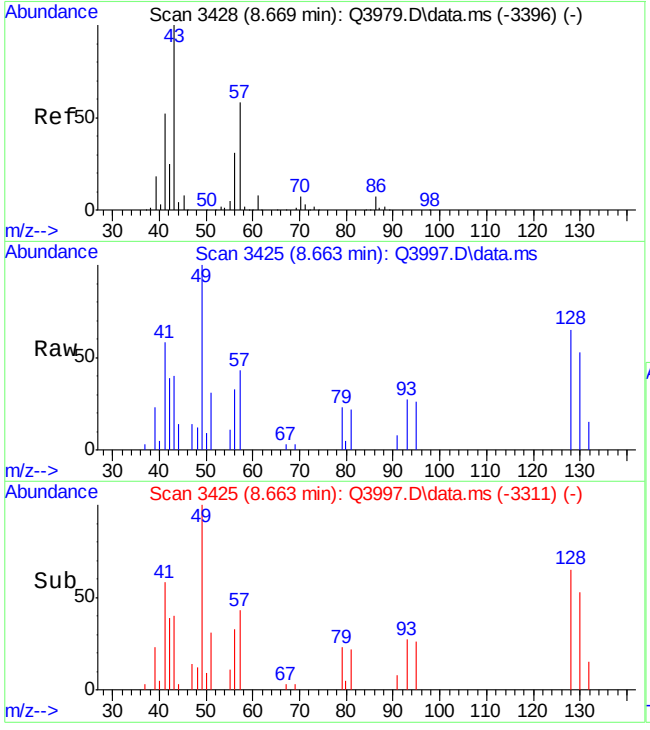


#24
TETRAHYDROFURAN
Concen: 3.58 PPBV
RT: 9.146 min Scan# 3697
Delta R.T. 0.005 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 42 Resp: 47096

Ion	Ratio	Lower	Upper
42	100		
72	32.8	23.3	63.3
71	31.2	23.6	63.6

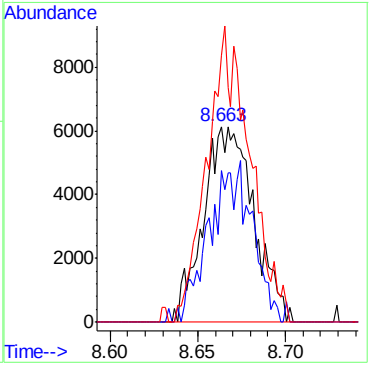


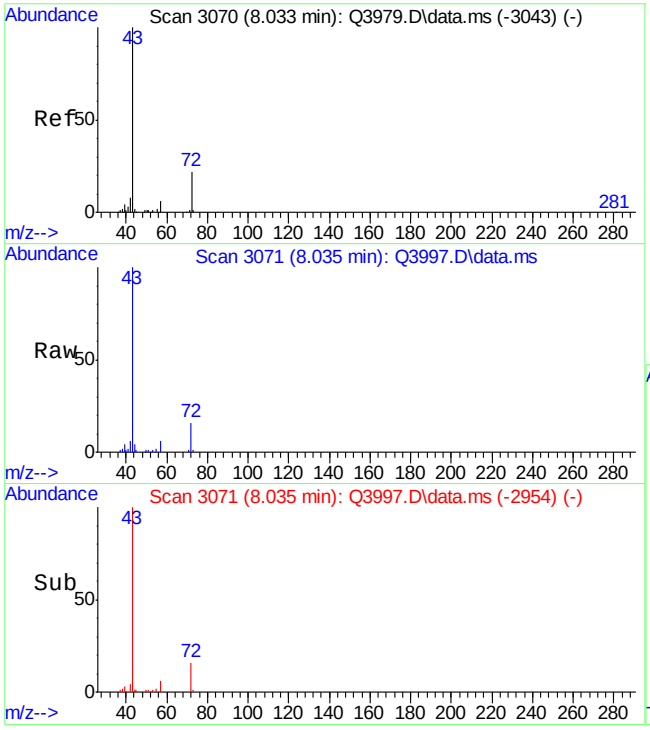


#25
HEXANE
Concen: 0.53 PPBV
RT: 8.663 min Scan# 3425
Delta R.T. -0.005 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 57 Resp: 12217

Ion	Ratio	Lower	Upper
57	100		
56	70.8	34.5	74.5
41	128.9	73.7	113.7#

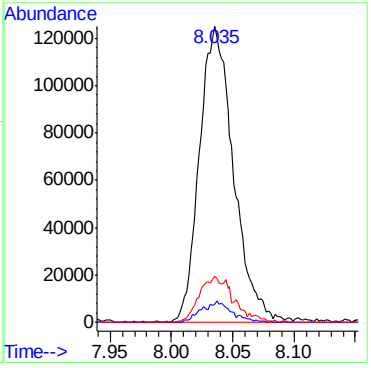


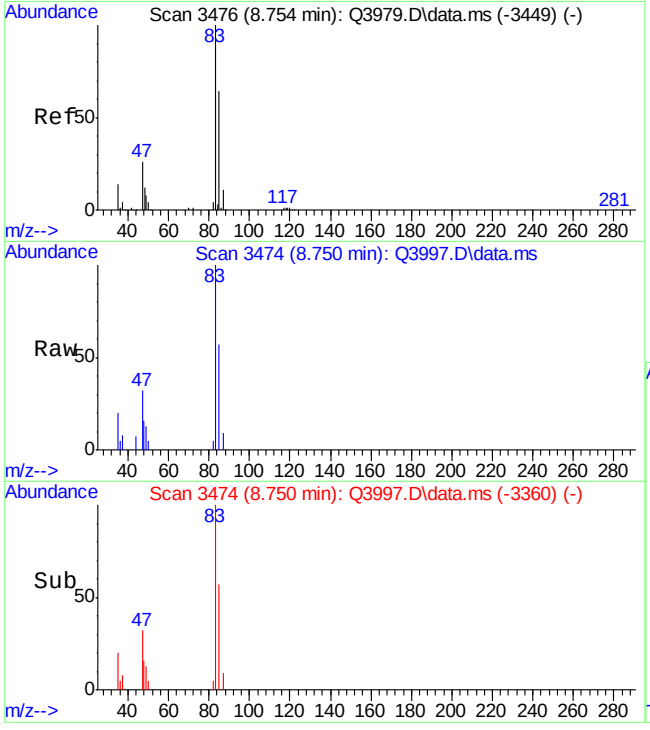


#28
METHYL ETHYL KETONE
Concen: 8.46 PPBV
RT: 8.035 min Scan# 3071
Delta R.T. 0.002 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 43 Resp: 241493

Ion	Ratio	Lower	Upper
43	100		
57	6.2	0.0	25.7
72	15.5	1.6	41.6

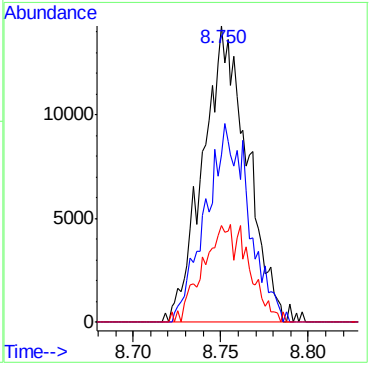


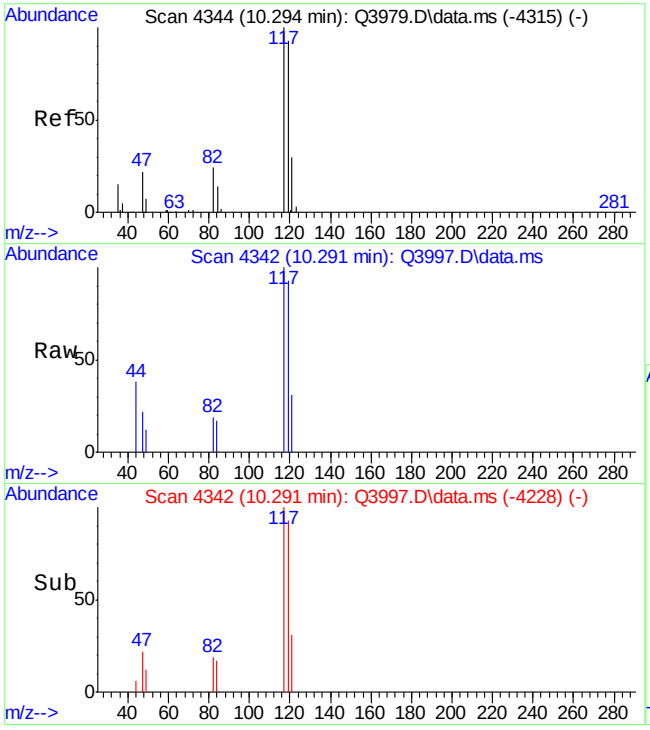


#31
CHLOROFORM
Concen: 0.58 PPBV
RT: 8.750 min Scan# 3474
Delta R.T. -0.004 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 83 Resp: 25126

Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.9	84.9
47	34.0	5.6	45.6

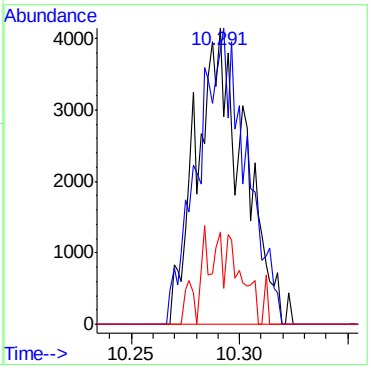


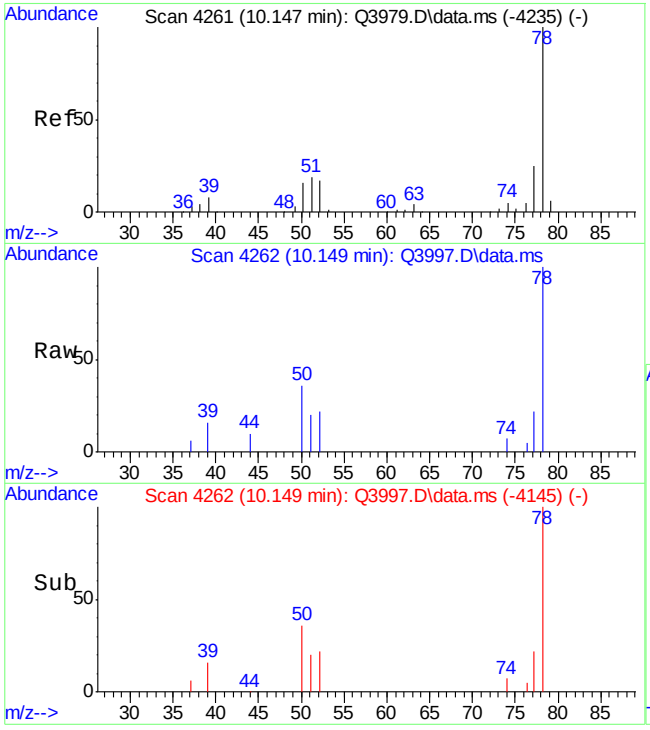


#33
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.291 min Scan# 4342
Delta R.T. -0.004 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion:117 Resp: 6373

Ion	Ratio	Lower	Upper
117	100		
119	100.7	77.2	117.2
121	13.3	11.0	51.0

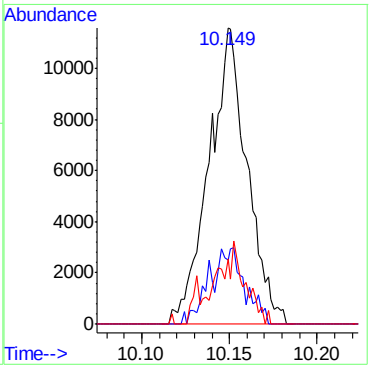


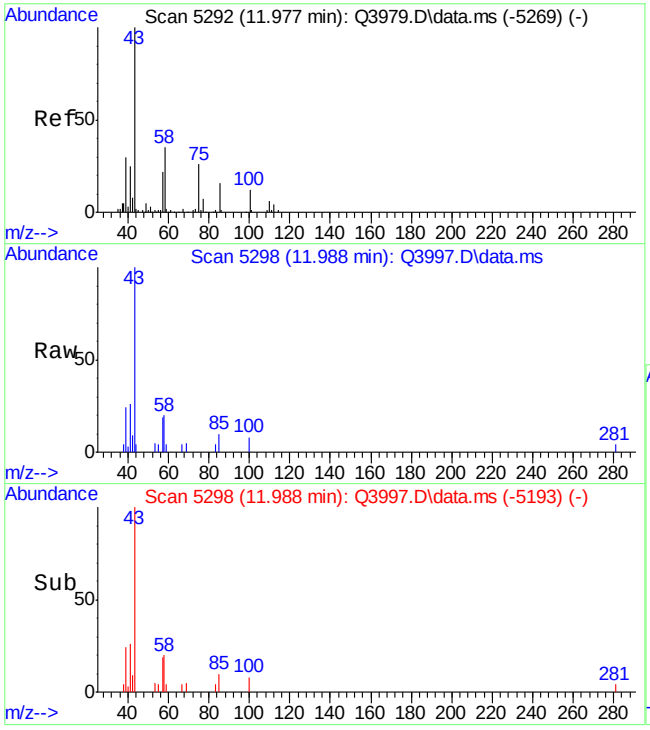


#36
BENZENE
Concen: 0.38 PPBV
RT: 10.149 min Scan# 4262
Delta R.T. 0.002 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 78 Resp: 17524

Ion	Ratio	Lower	Upper
78	100		
77	23.6	3.2	43.2
52	22.2	0.0	35.8

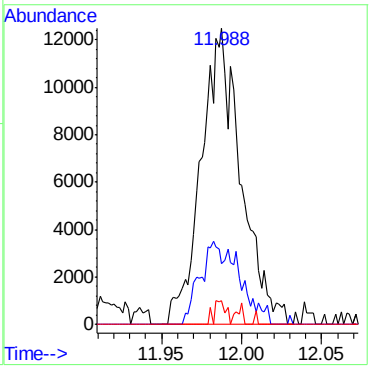


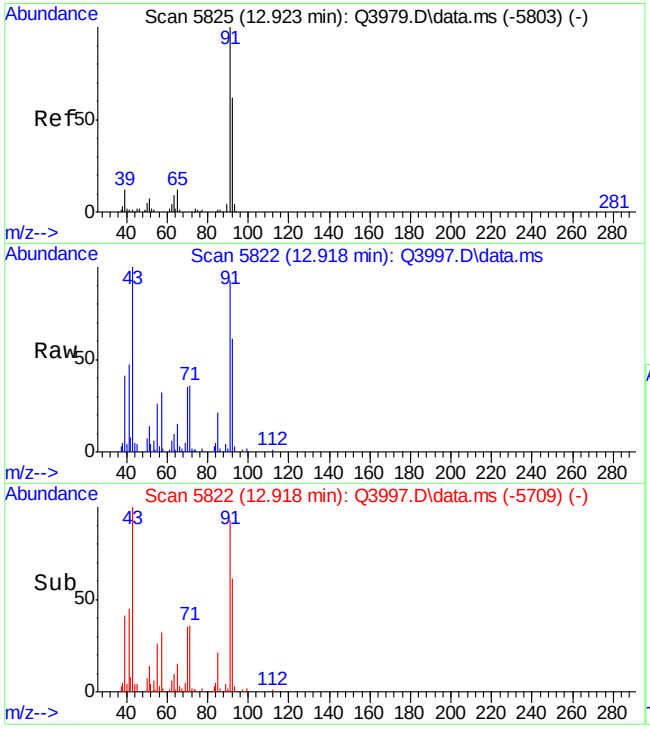


#44
METHYL ISOBUTYL KETONE
Concen: 0.66 PPBV
RT: 11.988 min Scan# 5298
Delta R.T. 0.011 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 43 Resp: 21525

Ion	Ratio	Lower	Upper
43	100		
58	27.8	16.2	56.2
100	2.4	0.0	32.0

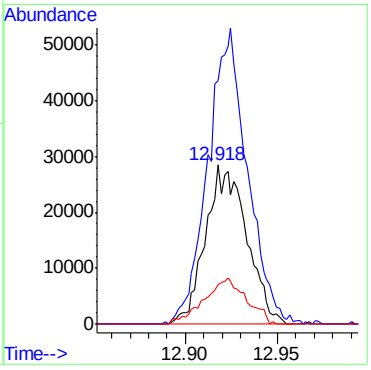


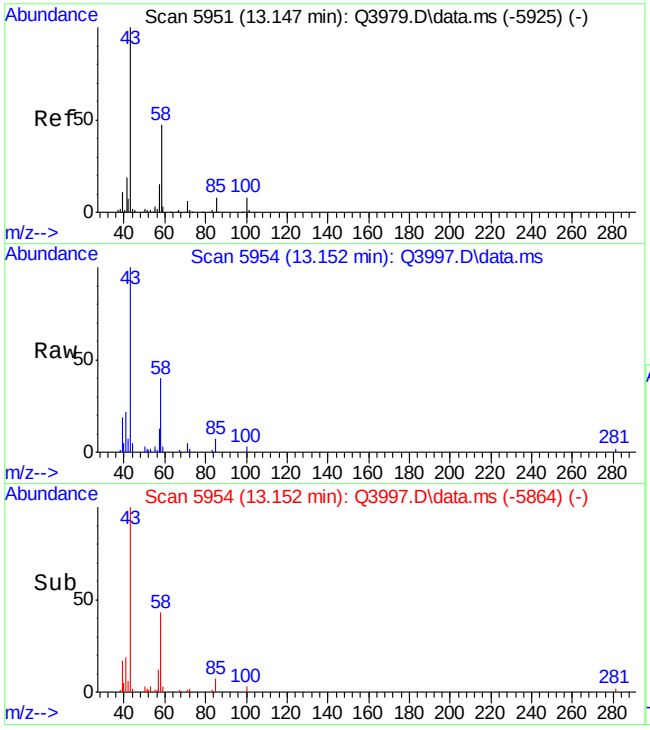


#46
TOLUENE
Concen: 1.34 PPBV
RT: 12.918 min Scan# 5822
Delta R.T. -0.005 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 92 Resp: 44044

Ion	Ratio	Lower	Upper
92	100		
91	179.8	151.2	191.2
65	29.6	0.0	39.8

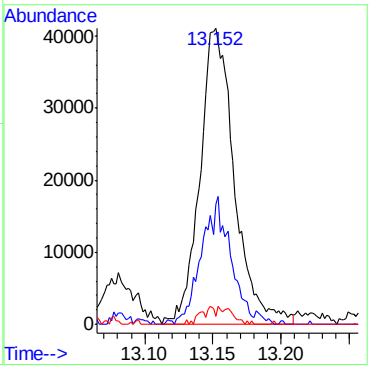


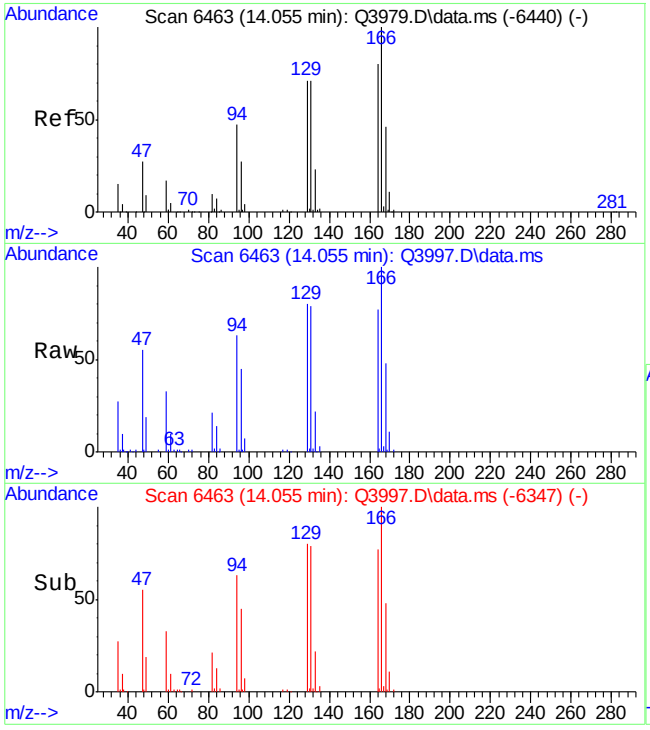


#50
2-HEXANONE
Concen: 2.59 PPBV
RT: 13.152 min Scan# 5954
Delta R.T. 0.005 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 43 Resp: 72360

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.3	69.3
100	2.4	0.0	28.8

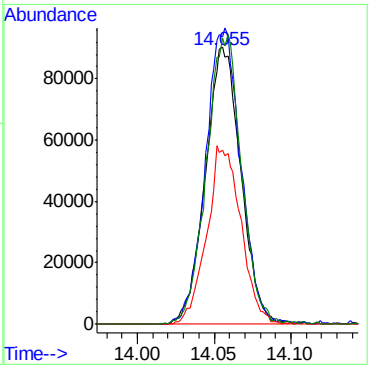


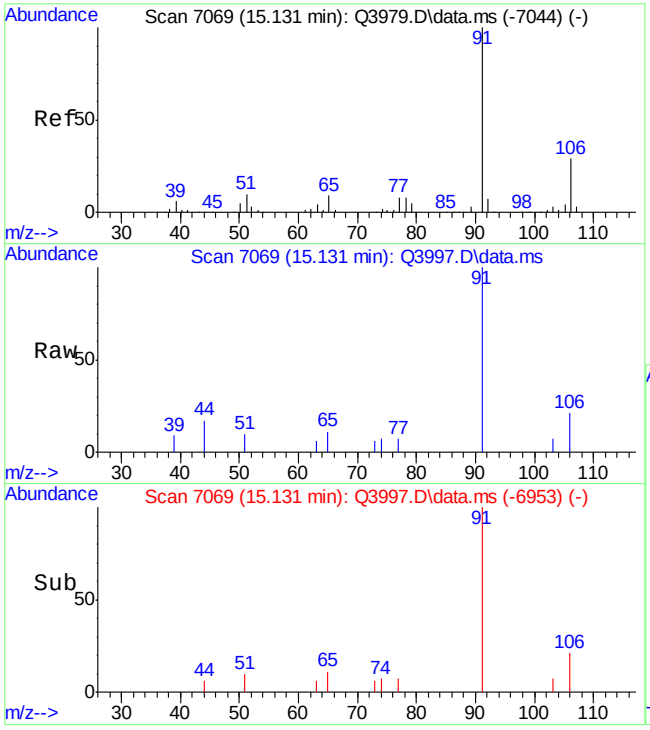


#51
TETRACHLOROETHYLENE
Concen: 5.02 PPBV
RT: 14.055 min Scan# 6463
Delta R.T. 0.000 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion:164 Resp: 145269

Ion	Ratio	Lower	Upper
164	100		
129	106.5	70.9	110.9
168	61.6	42.2	82.2
131	103.2	68.4	108.4

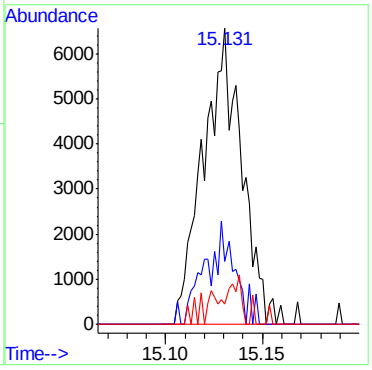


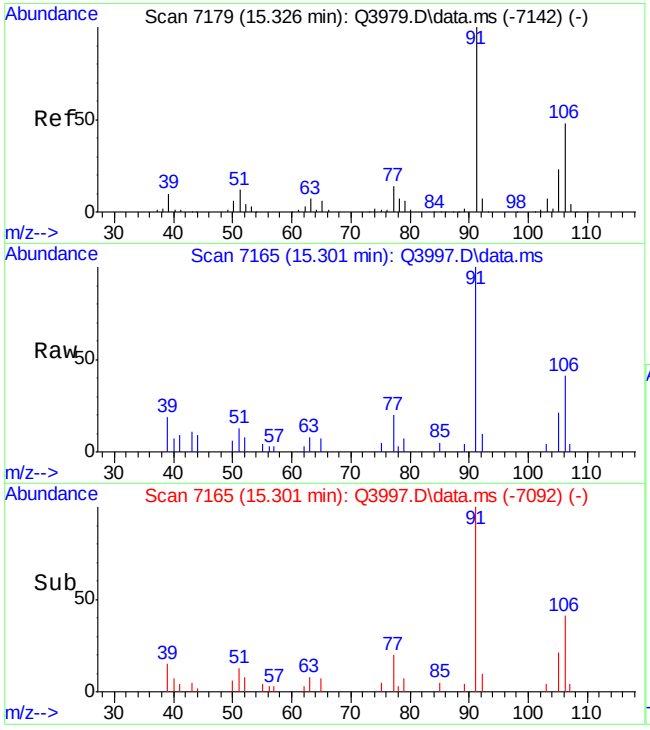


#55
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.131 min Scan# 7069
Delta R.T. 0.000 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion: 91 Resp: 9032

Ion	Ratio	Lower	Upper
91	100		
106	13.3	9.9	49.9
77	10.1	0.0	28.7

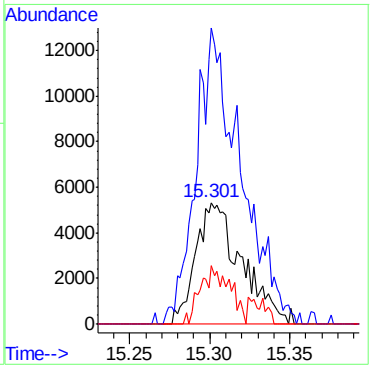


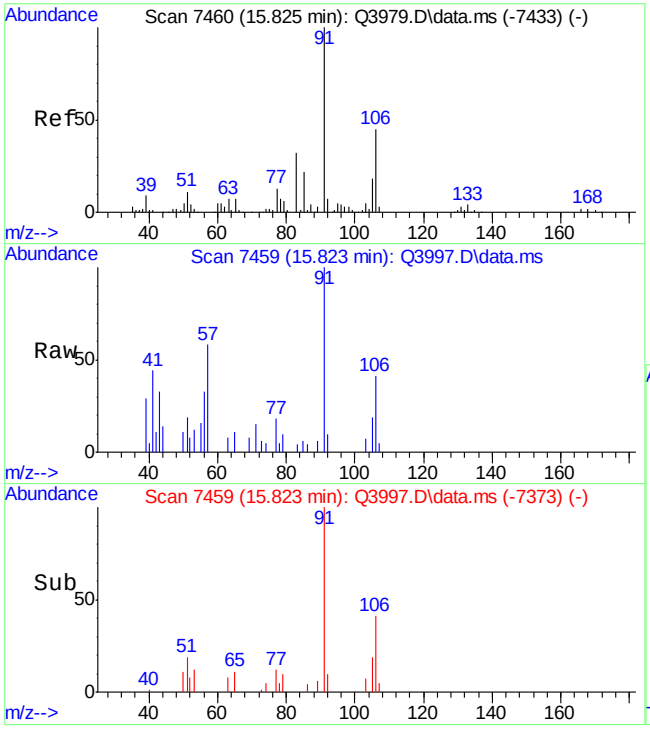


#56
m,p-XYLENE
Concen: 0.39 PPBV
RT: 15.301 min Scan# 7165
Delta R.T. -0.025 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion:106 Resp: 10582

Ion	Ratio	Lower	Upper
106	100		
91	244.3	167.5	251.3
77	47.9	22.6	34.0#

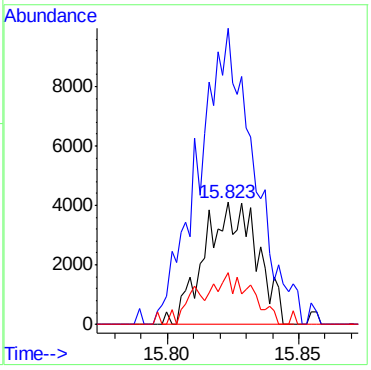


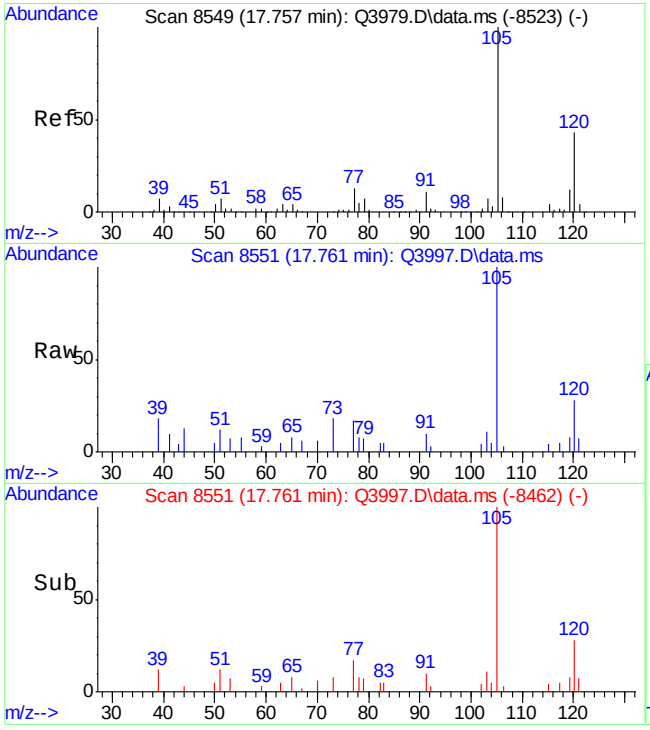


#57
o-XYLENE
Concen: 0.20 PPBV
RT: 15.823 min Scan# 7459
Delta R.T. -0.002 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion:106 Resp: 5649

Ion	Ratio	Lower	Upper
106	100		
91	260.8	203.3	243.3#
77	42.6	8.2	48.2

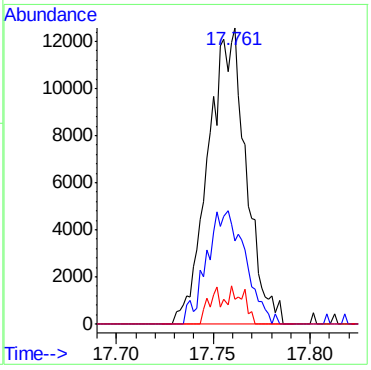




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.25 PPBV
RT: 17.761 min Scan# 8551
Delta R.T. 0.004 min
Lab File: Q3997.D
Acq: 17 Jul 2007 6:04 pm

Tgt Ion:105 Resp: 16995

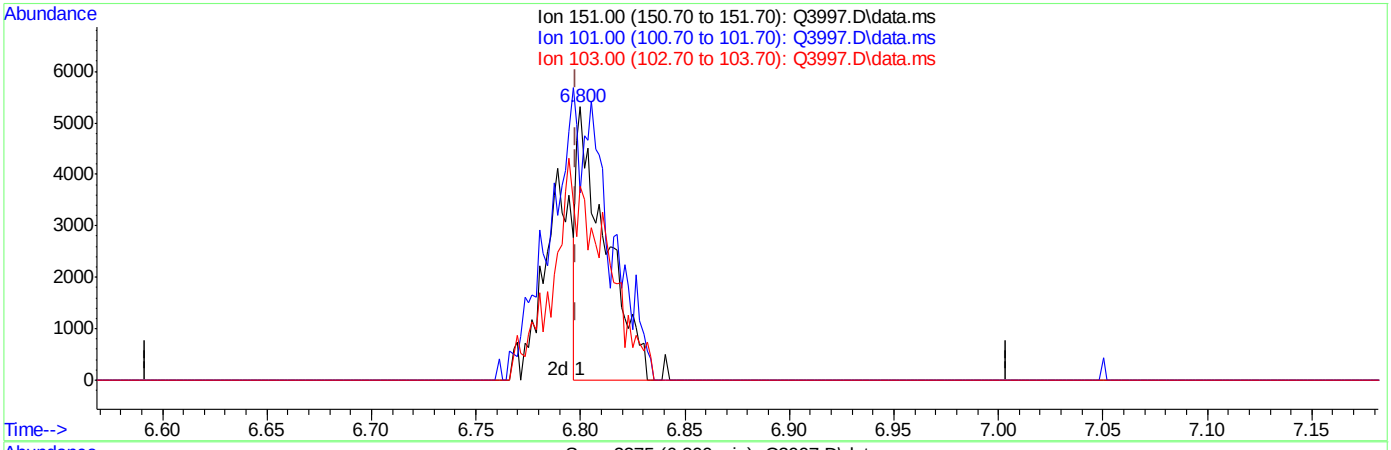
Ion	Ratio	Lower	Upper
105	100		
120	39.1	24.2	64.2
119	9.5	0.0	31.6

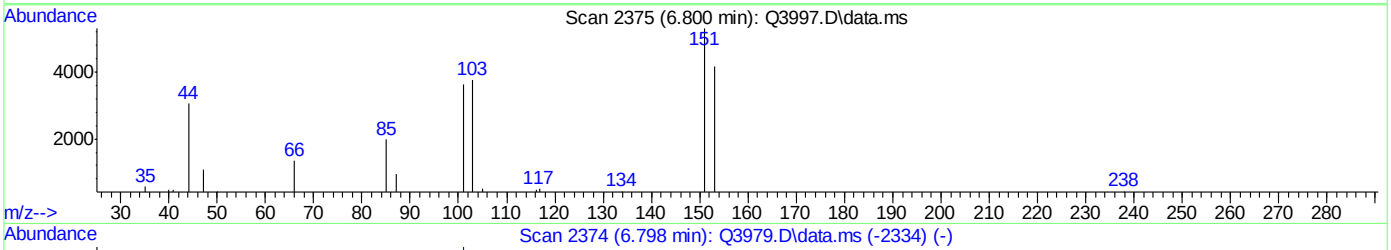


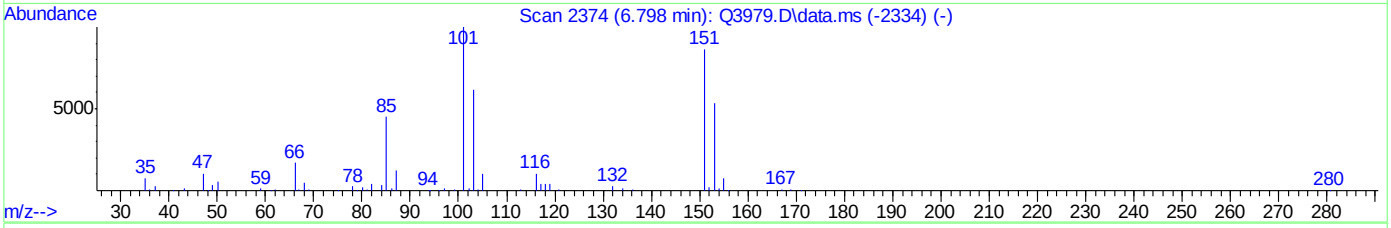
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3997.D
Acq On : 17 Jul 2007 6:04 pm
Operator : danat
Sample : M66000-1R (M161)
Misc : MS13951, MSQ214,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 18 07:57:13 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration







TIC: Q3997.D\data.ms

(20) FREON 113 (m)

6.800min (+0.002) 0.11PPBV

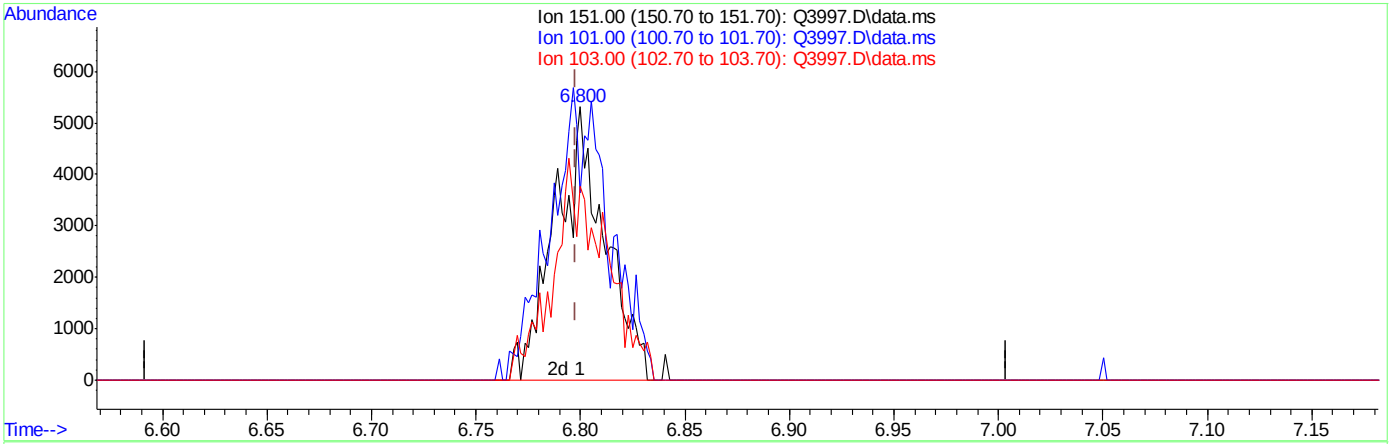
response 5168

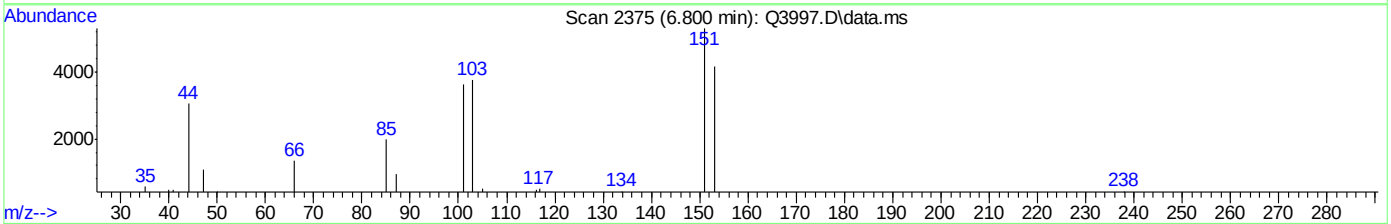
Ion	Exp%	Act%
151.00	100	100
101.00	114.30	213.39#
103.00	73.80	144.00#
0.00	0.00	0.00

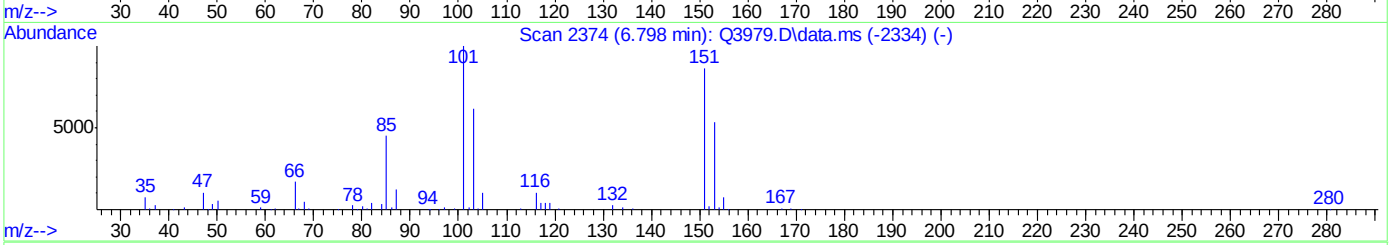
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3997.D
Acq On : 17 Jul 2007 6:04 pm
Operator : danat
Sample : M66000-1R (M161)
Misc : MS13951, MSQ214,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 18 07:57:13 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration







TIC: Q3997.D\data.ms

(20) FREON 113 (m)

6.800min (+0.002) 0.18PPBV m

response 8851

Ion	Exp%	Act%
151.00	100	100
101.00	114.30	124.60
103.00	73.80	84.08
0.00	0.00	0.00

ACCUTEST Laboratories
M66000R

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3986.D
Acq On : 17 Jul 2007 10:09 am
Operator : danat
Sample : mb (M063)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 14:09:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	220566	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	986337	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	863843	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	289018	4.56	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.20%

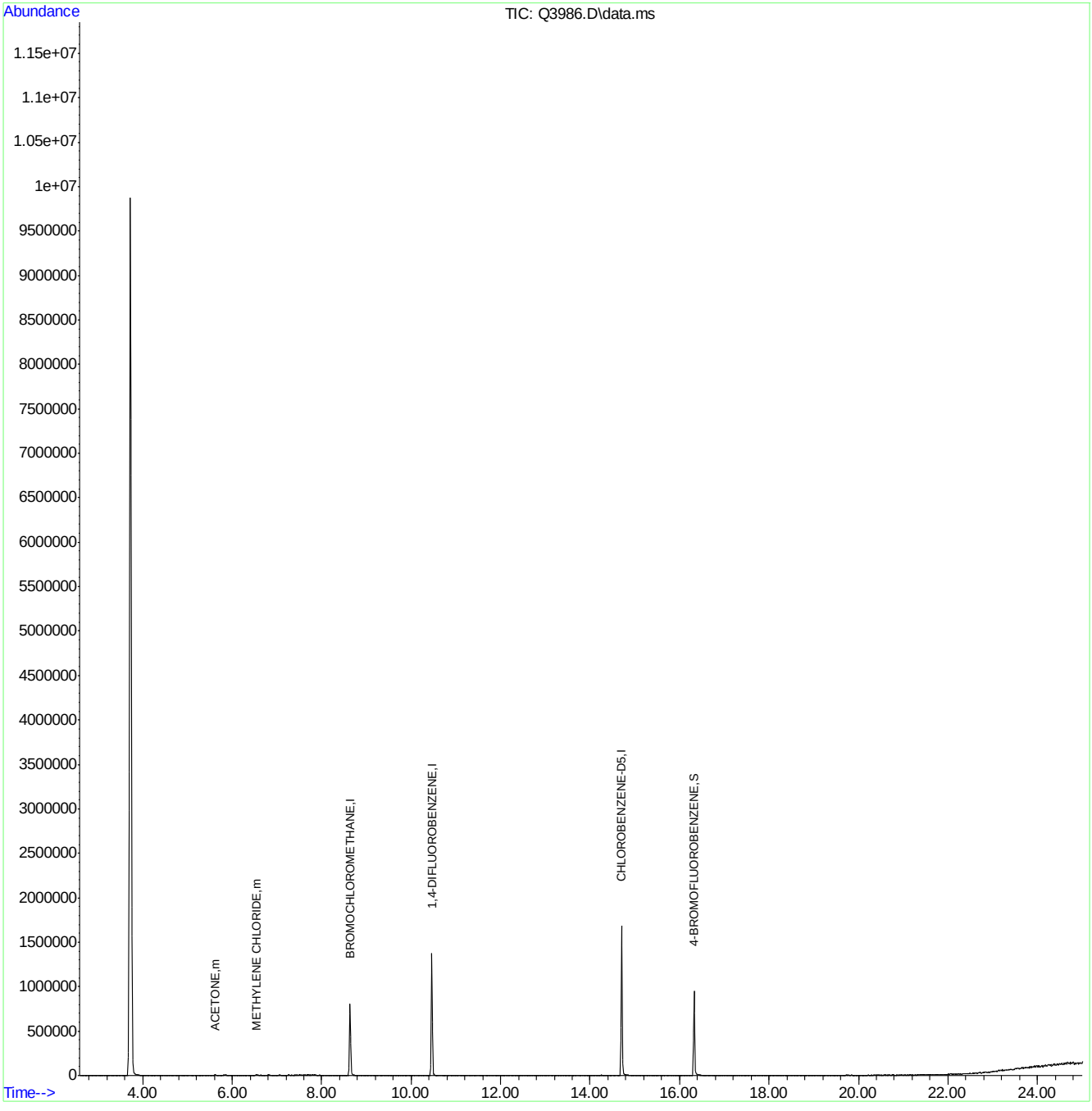
Target Compounds						Qvalue
12) ACETONE	5.620	43	7736	0.42	PPBV	95
18) METHYLENE CHLORIDE	6.539	84	2404	0.34	PPBV #	75

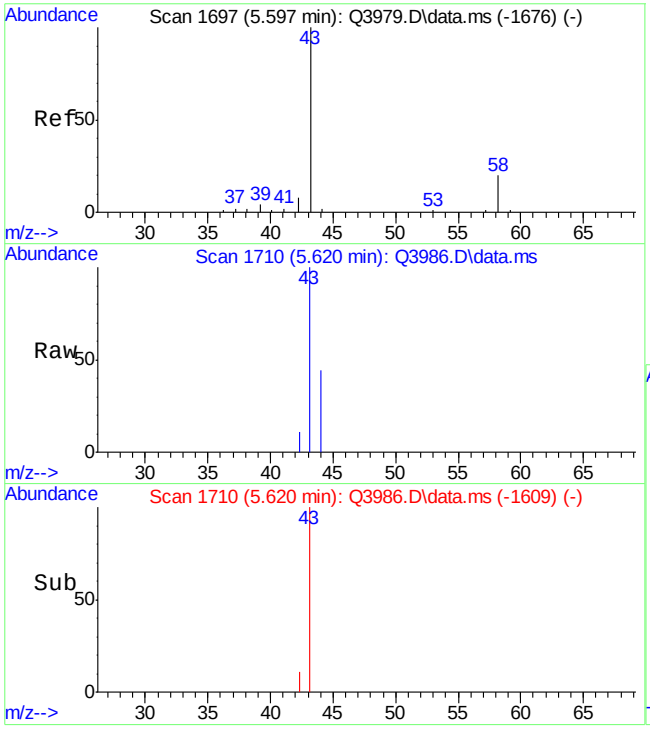
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3986.D
Acq On : 17 Jul 2007 10:09 am
Operator : danat
Sample : mb (M063)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 14:09:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

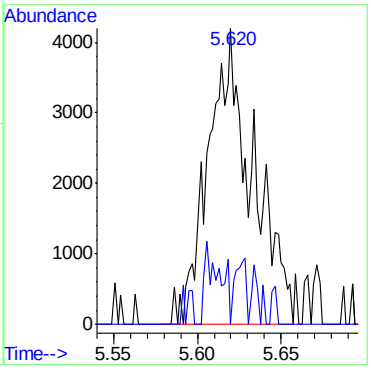


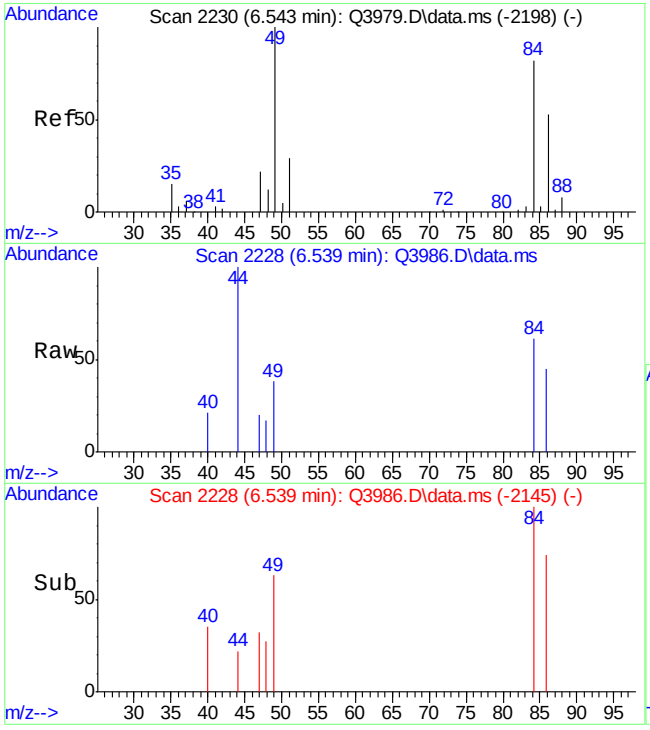


#12
ACETONE
Concen: 0.42 PPBV
RT: 5.620 min Scan# 1710
Delta R.T. 0.024 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

Tgt Ion: 43 Resp: 7736

Ion	Ratio	Lower	Upper
43	100		
58	21.5	4.0	44.0

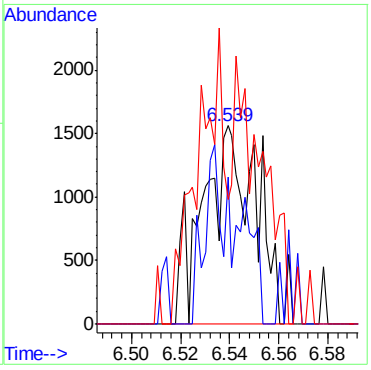




#18
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 6.539 min Scan# 2228
Delta R.T. -0.003 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

Tgt Ion: 84 Resp: 2404

Ion	Ratio	Lower	Upper
84	100		
86	33.2	45.0	85.0#
49	146.8	0.0	327.5



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10740.D
Acq On : 22 Jun 2007 7:46 pm
Operator : danat
Sample : mb (m098)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 09:31:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	309814	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1237988	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1037522	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	283425	4.40	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.00%

Target Compounds	Qvalue

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

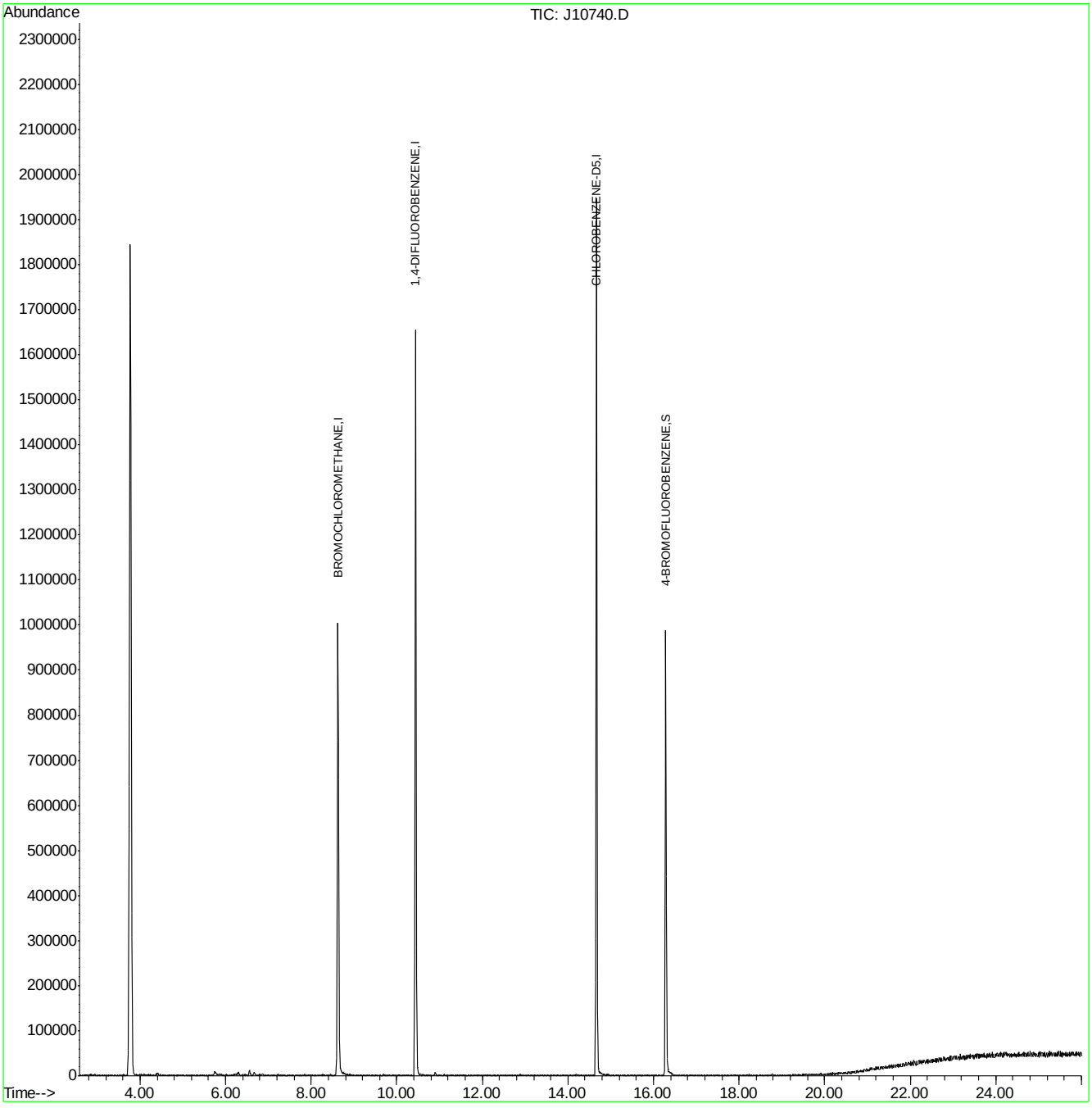
6.2.2

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10740.D
Acq On : 22 Jun 2007 7:46 pm
Operator : danat
Sample : mb (m098)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 09:31:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66000R

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

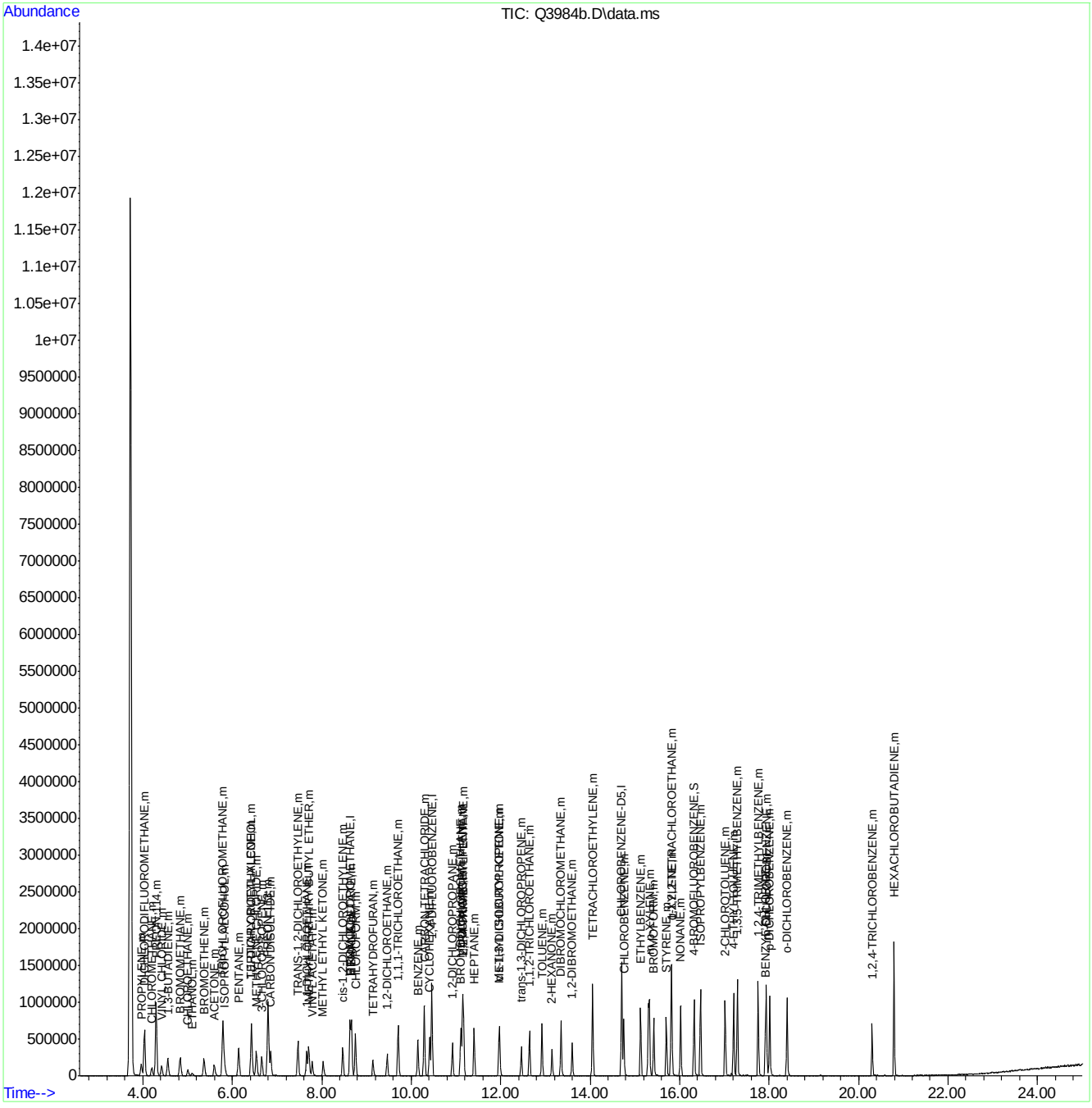
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66000R

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10737b.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : bs (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 17:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	320244	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1347074	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1210672	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	406390	5.41	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 108.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.09	85	1251942	12.25	PPBV	99
3) PROPYLENE	4.02	41	194637	12.93	PPBV	93
4) FREON 114	4.34	85	1093229	12.36	PPBV	96
5) CHLOROMETHANE	4.25	50	262287	12.59	PPBV	99
6) VINYL CHLORIDE	4.47	62	312911	12.83	PPBV	98
7) 1,3-BUTADIENE	4.60	39	236530	12.81	PPBV	94
8) BROMOMETHANE	4.87	94	361701	11.90	PPBV	99
9) CHLOROETHANE	5.04	64	148362	12.61	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.81	101	1330289	12.05	PPBV	100
11) ISOPROPYL ALCOHOL	6.01	45	333715	12.13	PPBV	95
12) ACETONE	5.69	43	335470	12.60	PPBV	96
13) PENTANE	6.16	42	274849	12.08	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.44	96	343576	11.20	PPBV	91
15) CARBON DISULFIDE	6.86	76	966004	11.11	PPBV	97
16) ETHANOL	5.28	45	50201	8.08	PPBV	87
17) BROMOETHENE	5.40	106	364685	11.95	PPBV	98
18) METHYLENE CHLORIDE	6.56	84	299567	11.87	PPBV	94
19) 3-CHLOROPROPENE	6.68	39	293420	11.70	PPBV	93
20) FREON 113	6.80	151	761595	10.61	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	333890	10.98	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.61	59	435912	10.66	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.75	73	663201	10.10	PPBV	97
24) TETRAHYDROFURAN	9.20	42	194258	9.52	PPBV	96
25) HEXANE	8.64	57	351657	9.41	PPBV	97
26) VINYL ACETATE	7.82	43	384790	10.03	PPBV	97
27) 1,1-DICHLOROETHANE	7.67	63	546865	10.62	PPBV	99
28) METHYL ETHYL KETONE	8.10	43	373680	9.21	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	305720	10.08	PPBV	95
30) ETHYL ACETATE	8.72	43	403226	9.37	PPBV	99
31) CHLOROFORM	8.76	83	767126	10.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	933714	10.99	PPBV	99
33) CARBON TETRACHLORIDE	10.27	117	1175776	11.35	PPBV	99
34) 1,2-DICHLOROETHANE	9.47	62	439607	10.10	PPBV	100
36) BENZENE	10.14	78	742618	10.18	PPBV	99
37) CYCLOHEXANE	10.38	84	389244	11.08	PPBV	98
38) TRICHLOROETHYLENE	11.13	95	392127	10.40	PPBV	98
39) 1,2-DICHLOROPROPANE	10.91	63	242018	10.31	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	681405	10.34	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1300525	11.64	PPBV	100
42) 1,4-DIOXANE	11.21	88	114575	7.26	PPBV	92
43) HEPTANE	11.37	43	386979	10.88	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10737b.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : bs (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 17:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

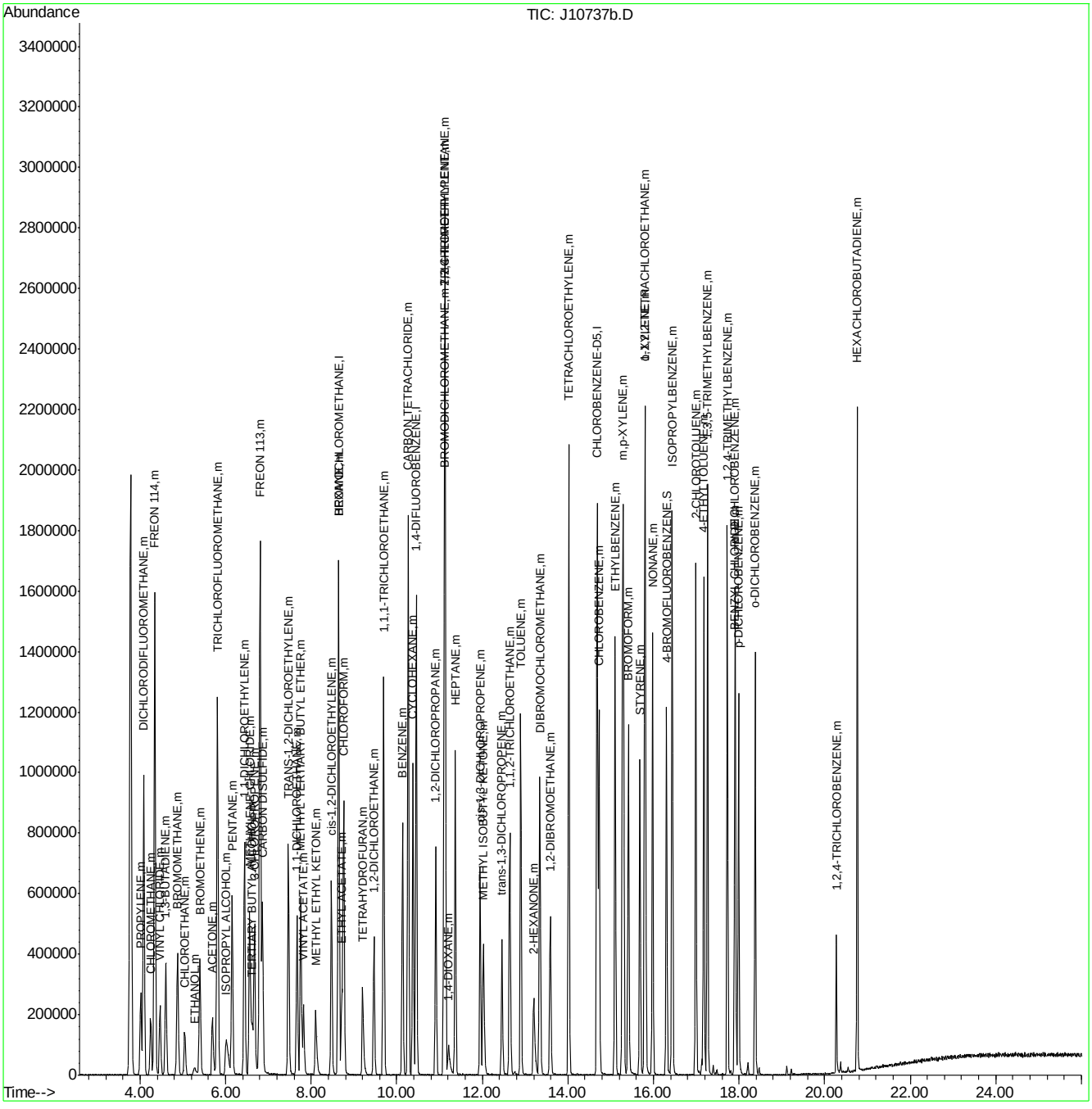
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	388757	9.16	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.95	75	377142	10.48	PPBV	98
46) TOLUENE	12.90	92	527518	11.14	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.45	75	290004	8.46	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	254527	10.34	PPBV	98
50) 2-HEXANONE	13.20	43	272464	7.54	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	483746	10.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	685920	9.96	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	455838	9.74	PPBV	100
54) CHLOROBENZENE	14.72	112	726133	10.06	PPBV	97
55) ETHYLBENZENE	15.10	91	1141753	11.91	PPBV	99
56) m,p-XYLENE	15.29	106	934942	24.56	PPBV	94
57) o-XYLENE	15.80	106	471461	9.97	PPBV	98
58) STYRENE	15.68	104	570335	11.84	PPBV	99
59) NONANE	15.98	43	499989	13.67	PPBV	99
60) BROMOFORM	15.41	173	655834	9.74	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	569812	9.79	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1382160	11.33	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	931470	12.28	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1068948	12.43	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1091265	12.08	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	946715	13.68	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	596500	10.84	PPBV	100
69) BENZYL CHLORIDE	17.89	91	379757	9.78	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	518003	10.68	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	543920	10.87	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	371513	11.63	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	126764	11.63	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10737b.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : bs (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 17:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M66000R

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3998.D
Acq On : 17 Jul 2007 6:48 pm
Operator : danat
Sample : M66000-1RDUP (M161)
Misc : MS13951, MSQ214,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 18 09:20:01 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	225936	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1060985	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	899670	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	342061	5.18	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.60%

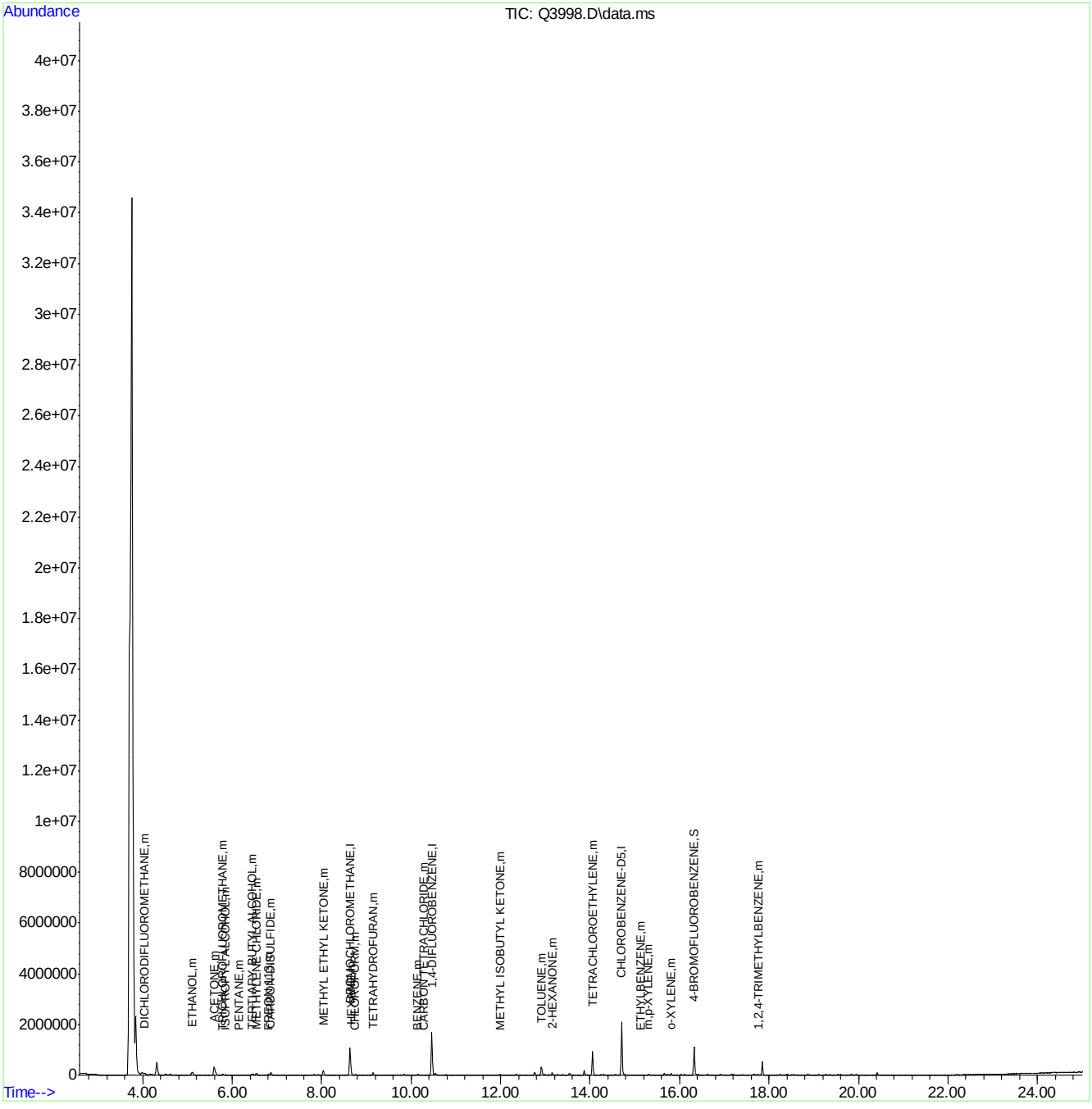
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.032	85	69048	0.90	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.796	101	32006	0.43	PPBV	97
11) ISOPROPYL ALCOHOL	5.849	45	27090	1.07	PPBV	91
12) ACETONE	5.595	43	533781	17.60	PPBV	98
13) PENTANE	6.145	42	6769	0.41	PPBV #	61
15) CARBON DISULFIDE	6.859	76	169420	3.20	PPBV	91
16) ETHANOL	5.107	45	171033	30.55	PPBV	97
18) METHYLENE CHLORIDE	6.543	84	27979	1.30	PPBV	82
20) FREON 113	6.804	151	8506	0.16	PPBV #	79
22) TERTIARY BUTYL ALCOHOL	6.445	59	61384	1.73	PPBV #	72
24) TETRAHYDROFURAN	9.145	42	52717	3.74	PPBV	81
25) HEXANE	8.664	57	14117	0.57	PPBV #	75
28) METHYL ETHYL KETONE	8.037	43	258081	8.43	PPBV	88
31) CHLOROFORM	8.752	83	18542	0.40	PPBV	91
33) CARBON TETRACHLORIDE	10.295	117	5976	0.11	PPBV	96
36) BENZENE	10.147	78	20311	0.42	PPBV	96
44) METHYL ISOBUTYL KETONE	11.988	43	22608	0.64	PPBV	87
46) TOLUENE	12.925	92	46965	1.33	PPBV	95
50) 2-HEXANONE	13.150	43	69861	2.41	PPBV	86
51) TETRACHLOROETHYLENE	14.055	164	156658	5.22	PPBV	89
55) ETHYLBENZENE	15.129	91	9795	0.13	PPBV	88
56) m,p-XYLENE	15.303	106	11731	0.41	PPBV #	98
57) o-XYLENE	15.823	106	6139	0.21	PPBV	90
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	17755	0.25	PPBV	91

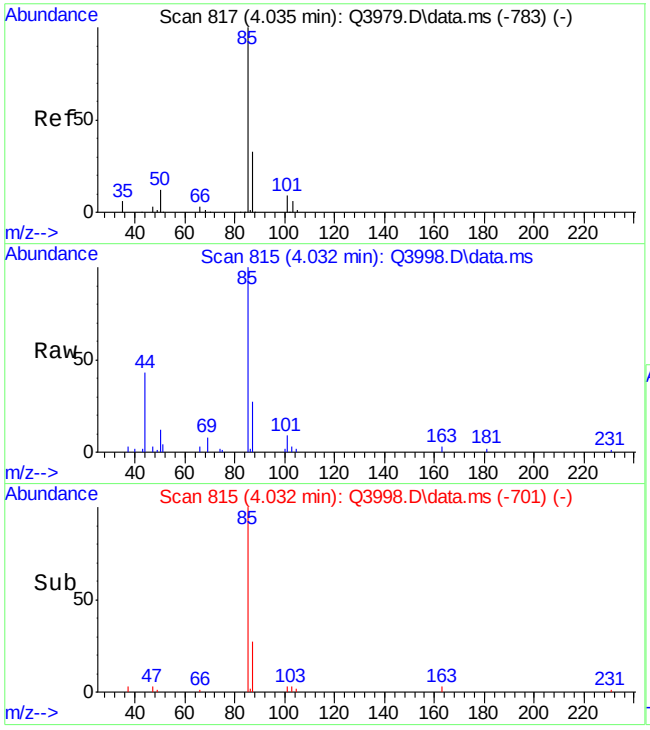
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3998.D
Acq On : 17 Jul 2007 6:48 pm
Operator : danat
Sample : M66000-1RDUP (M161)
Misc : MS13951, MSQ214,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 18 09:20:01 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

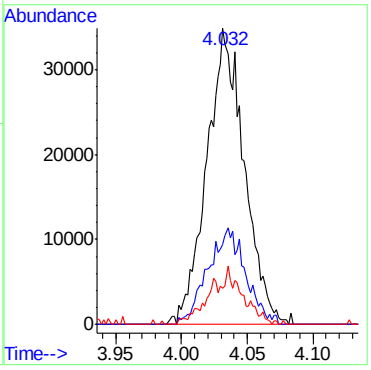


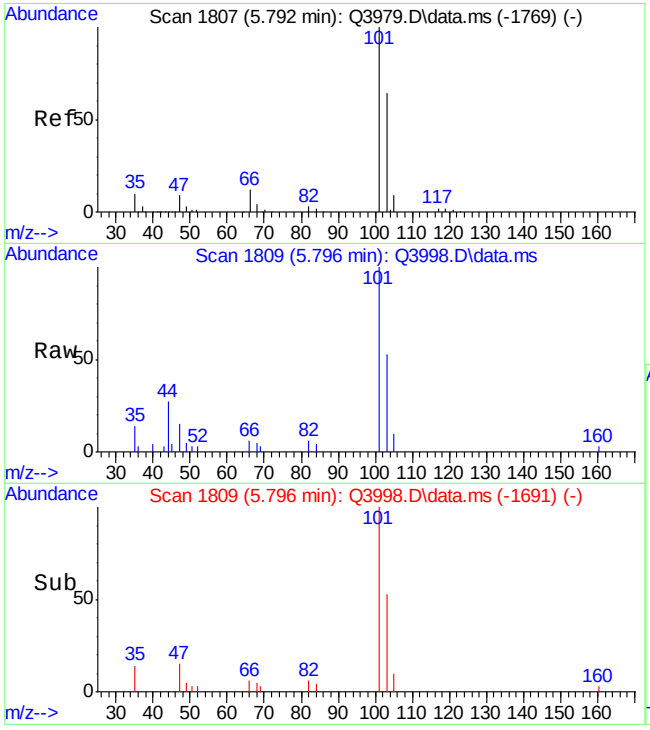


#2
DICHLORODIFLUOROMETHANE
Concen: 0.90 PPBV
RT: 4.032 min Scan# 815
Delta R.T. -0.003 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 85 Resp: 69048

Ion	Ratio	Lower	Upper
85	100		
87	32.6	12.1	52.1
50	16.7	0.0	32.0

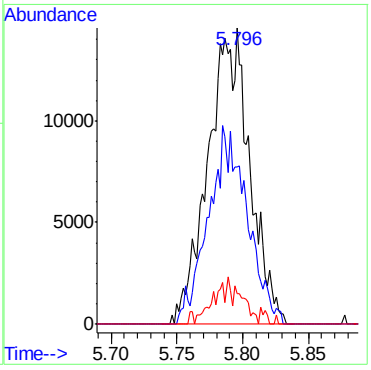


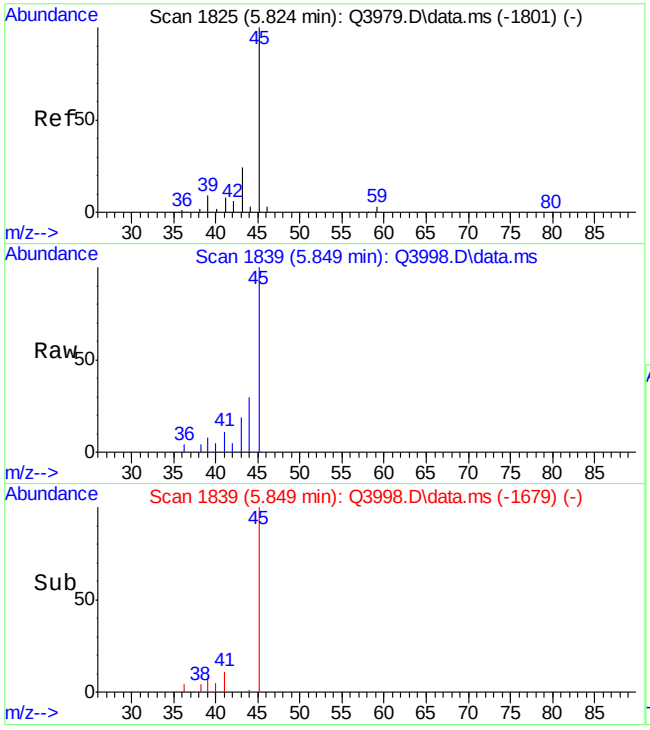


#10
TRICHLOROFLUOROMETHANE
Concen: 0.43 PPBV
RT: 5.796 min Scan# 1809
Delta R.T. 0.004 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion:101 Resp: 32006

Ion	Ratio	Lower	Upper
101	100		
103	62.0	44.6	84.6
105	9.9	0.0	30.4

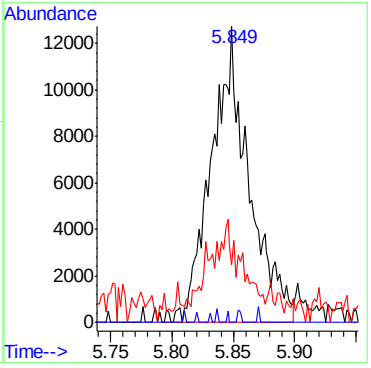


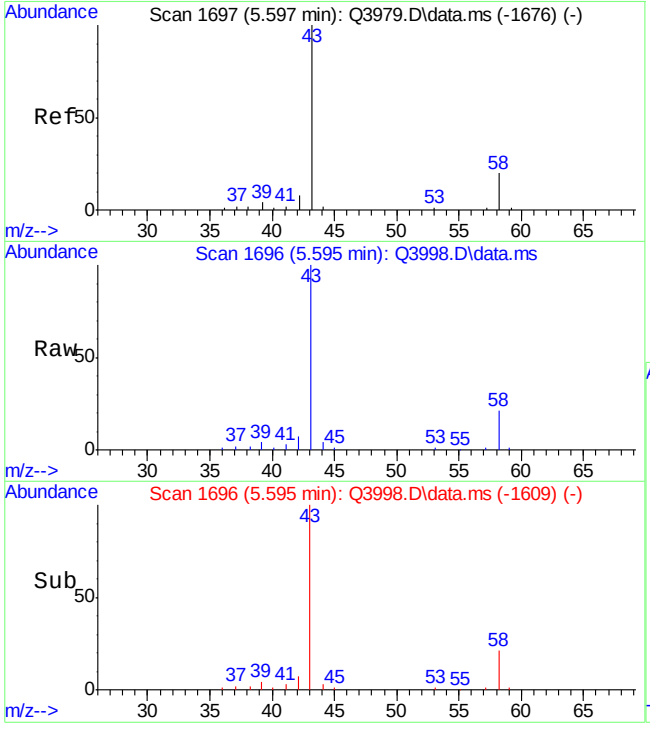


#11
ISOPROPYL ALCOHOL
Concen: 1.07 PPBV
RT: 5.849 min Scan# 1839
Delta R.T. 0.026 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 45 Resp: 27090

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	23.5
43	19.4	3.7	43.7

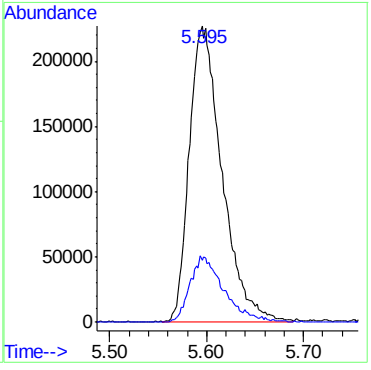


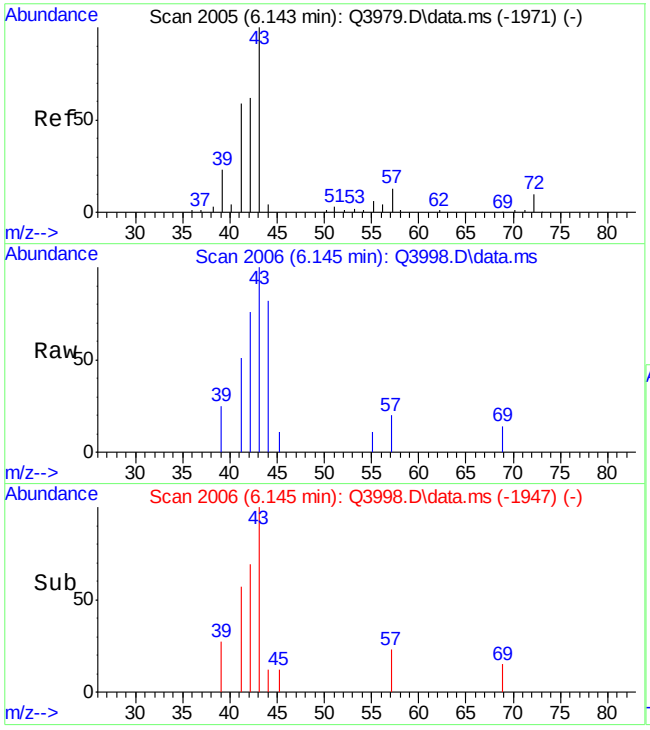


#12
ACETONE
Concen: 17.60 PPBV
RT: 5.595 min Scan# 1696
Delta R.T. -0.001 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 43 Resp: 533781

Ion	Ratio	Lower	Upper
43	100		
58	23.0	4.0	44.0

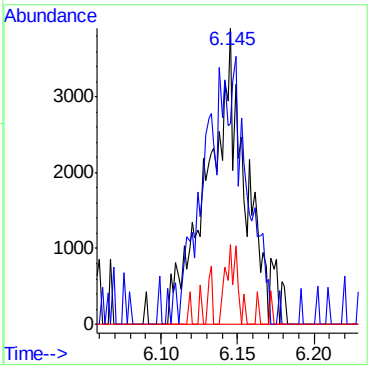


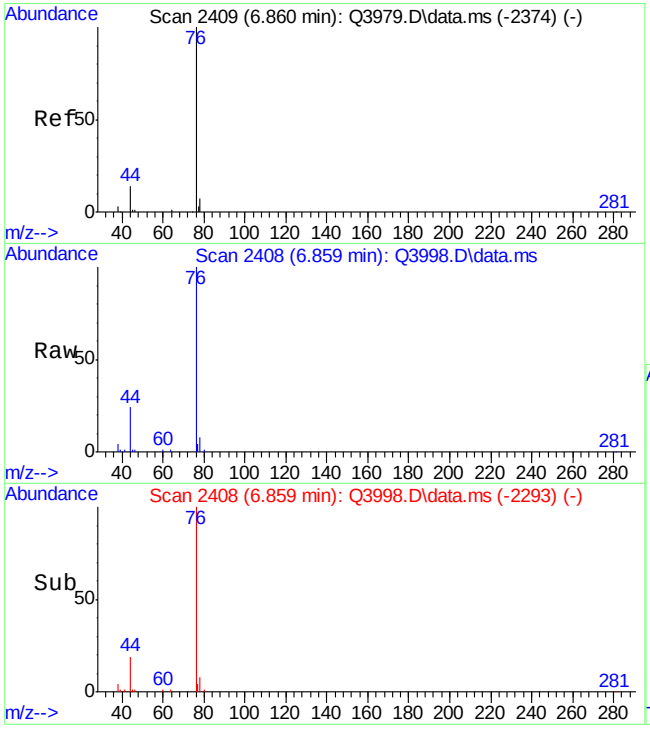


#13
PENTANE
Concen: 0.41 PPBV
RT: 6.145 min Scan# 2006
Delta R.T. 0.002 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 42 Resp: 6769

Ion	Ratio	Lower	Upper
42	100		
41	60.9	82.3	122.3#
57	8.3	5.0	45.0

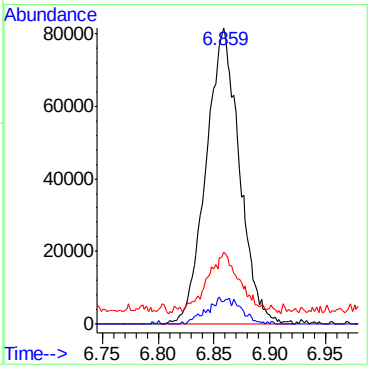




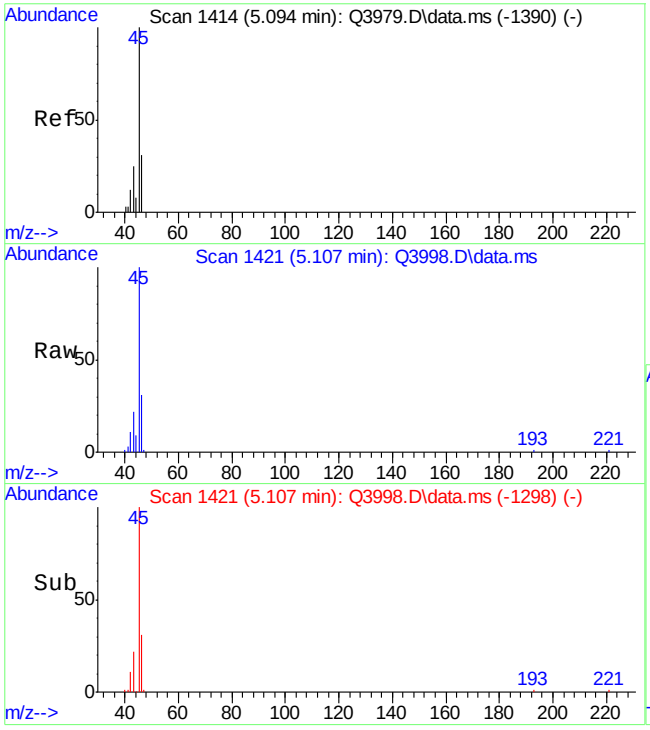
#15
CARBON DISULFIDE
Concen: 3.20 PPBV
RT: 6.859 min Scan# 2408
Delta R.T. -0.002 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 76 Resp: 169420

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	29.1
44	20.7	0.0	35.0



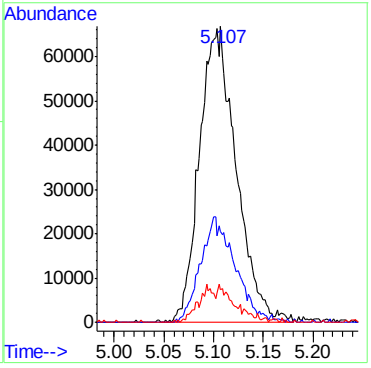
ACCUTEST Laboratories M66000R

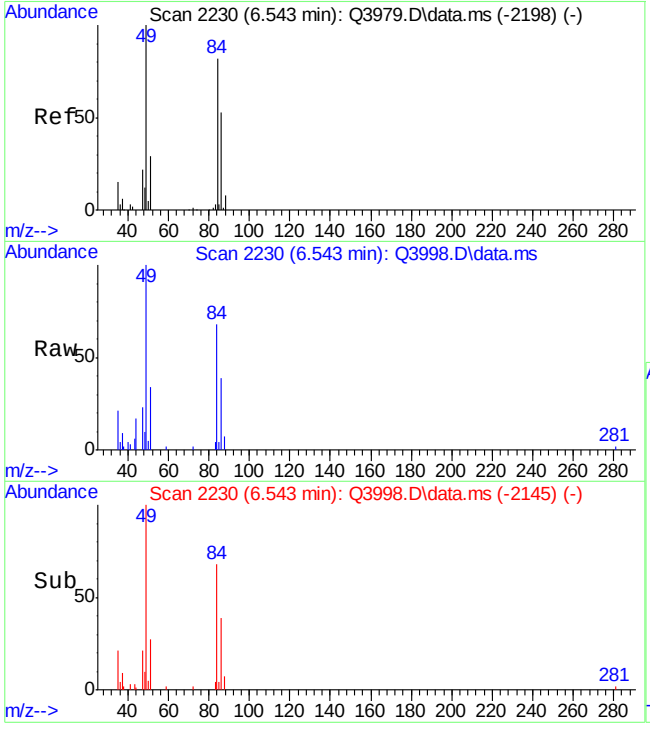


#16
ETHANOL
Concen: 30.55 PPBV
RT: 5.107 min Scan# 1421
Delta R.T. 0.013 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 45 Resp: 171033

Ion	Ratio	Lower	Upper
45	100		
46	33.7	13.8	53.8
42	11.7	0.0	25.9

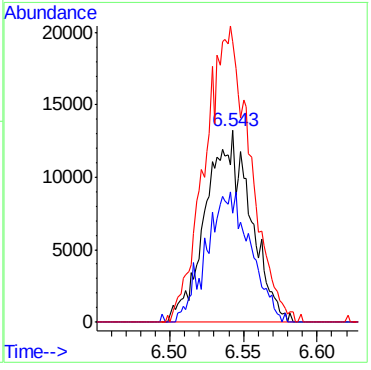


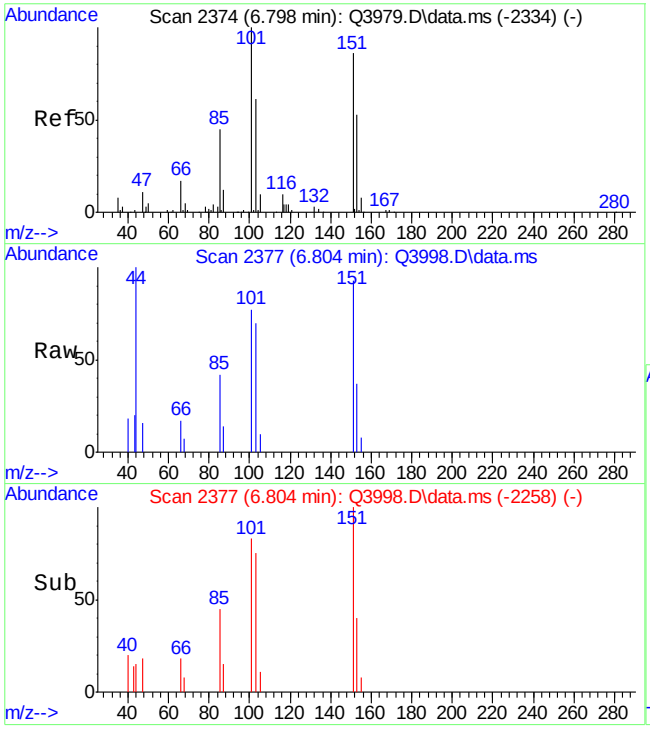


#18
METHYLENE CHLORIDE
Concen: 1.30 PPBV
RT: 6.543 min Scan# 2230
Delta R.T. 0.001 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 84 Resp: 27979

Ion	Ratio	Lower	Upper
84	100		
86	66.8	45.0	85.0
49	156.9	0.0	327.5

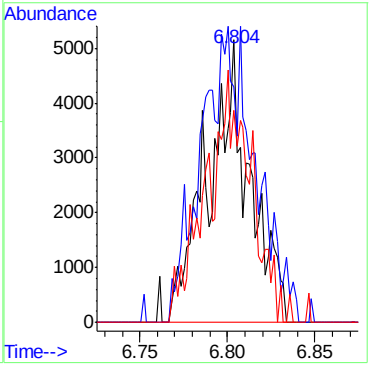


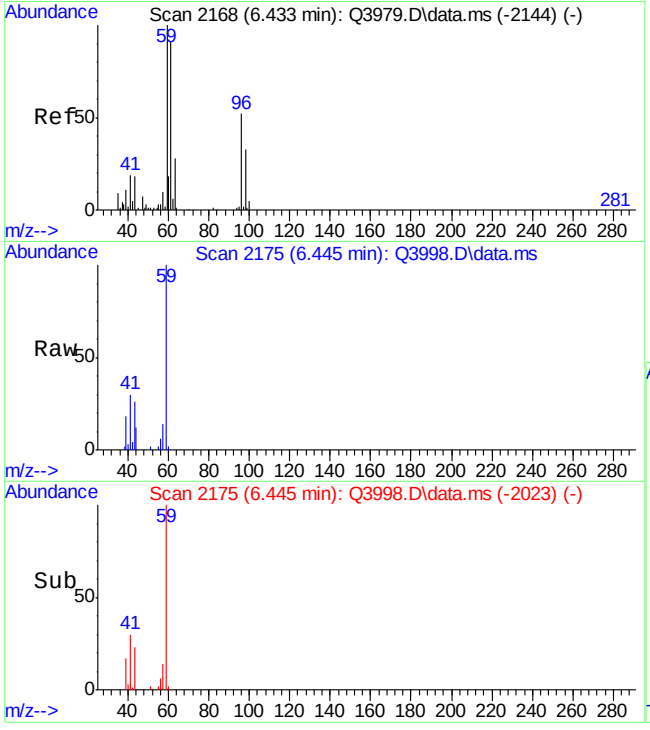


#20
FREON 113
Concen: 0.16 PPBV
RT: 6.804 min Scan# 2377
Delta R.T. 0.006 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion:151 Resp: 8506

Ion	Ratio	Lower	Upper
151	100		
101	134.6	94.3	134.3#
103	94.4	53.8	93.8#

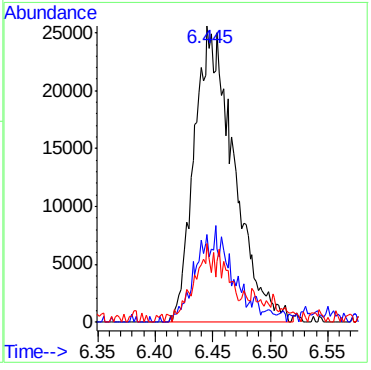


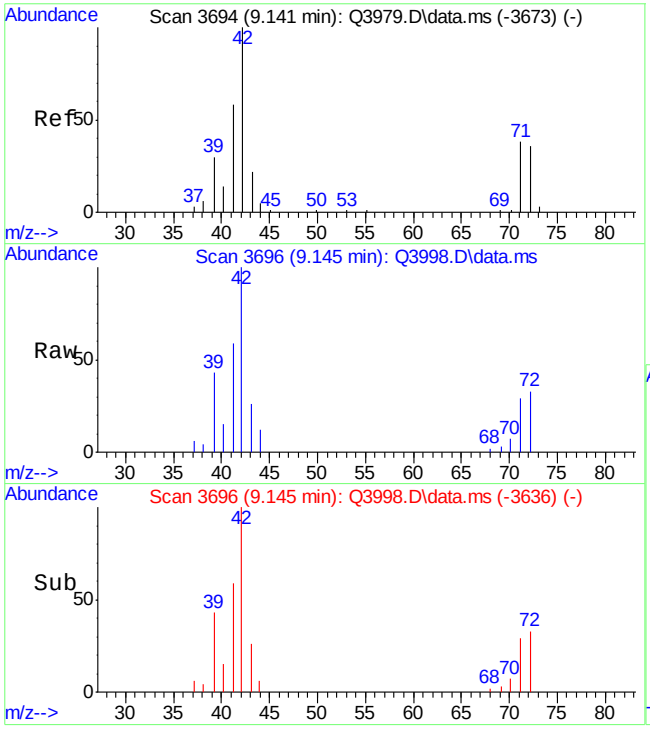


#22
TERTIARY BUTYL ALCOHOL
Concen: 1.73 PPBV
RT: 6.445 min Scan# 2175
Delta R.T. 0.013 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 59 Resp: 61384

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.7	40.7#
43	13.3	0.0	37.3

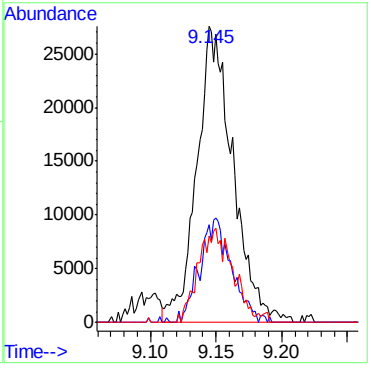


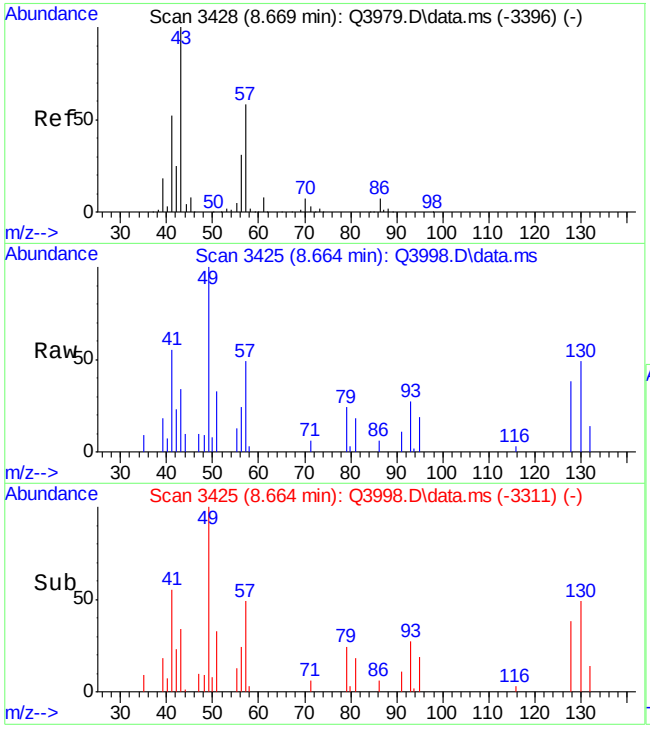


#24
TETRAHYDROFURAN
Concen: 3.74 PPBV
RT: 9.145 min Scan# 3696
Delta R.T. 0.004 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 42 Resp: 52717

Ion	Ratio	Lower	Upper
42	100		
72	31.3	23.3	63.3
71	30.5	23.6	63.6

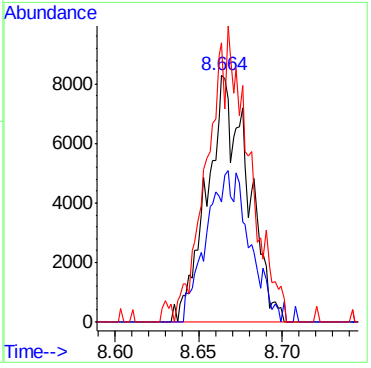


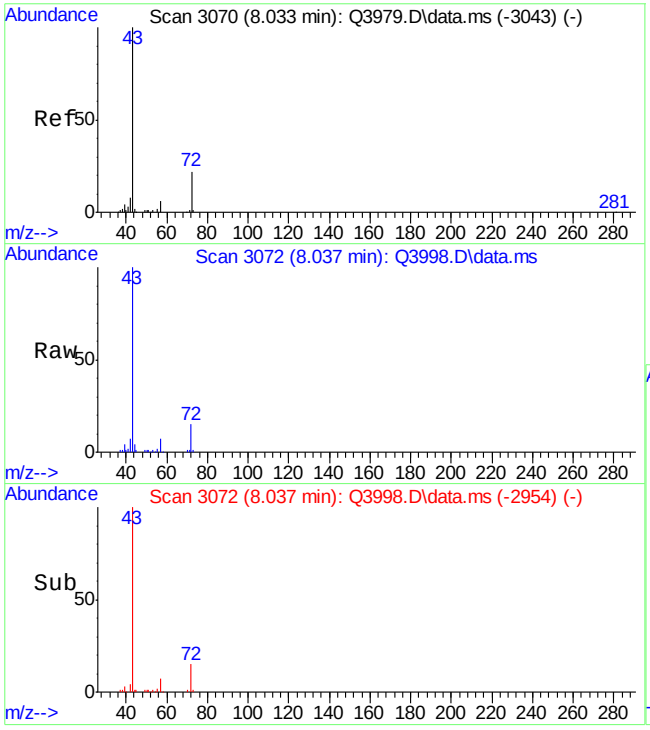


#25
HEXANE
Concen: 0.57 PPBV
RT: 8.664 min Scan# 3425
Delta R.T. -0.004 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 57 Resp: 14117

Ion	Ratio	Lower	Upper
57	100		
56	64.5	34.5	74.5
41	124.5	73.7	113.7#

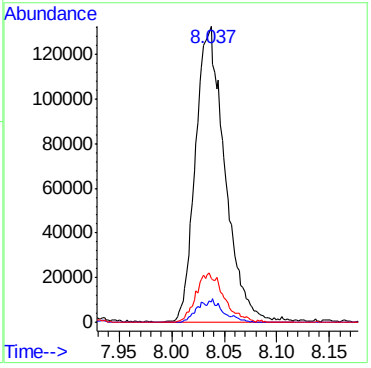


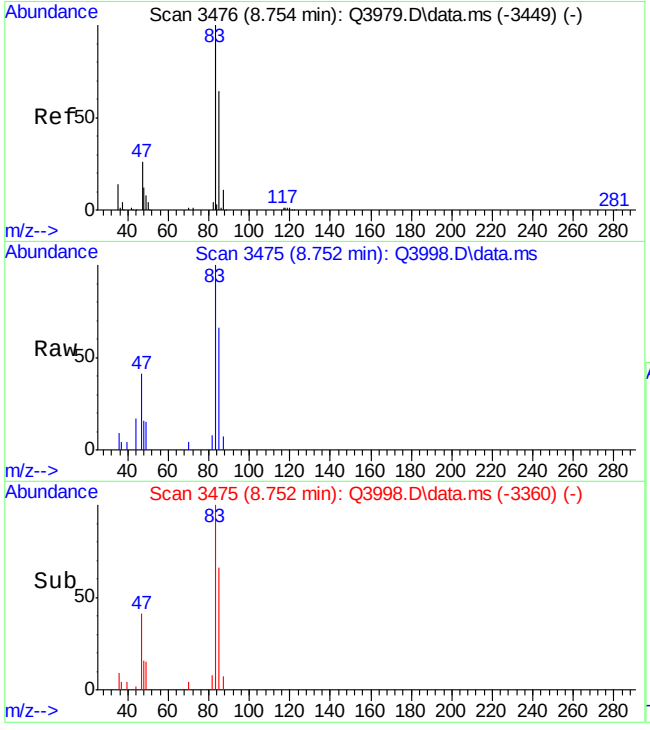


#28
METHYL ETHYL KETONE
Concen: 8.43 PPBV
RT: 8.037 min Scan# 3072
Delta R.T. 0.004 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 43 Resp: 258081

Ion	Ratio	Lower	Upper
43	100		
57	6.7	0.0	25.7
72	14.9	1.6	41.6

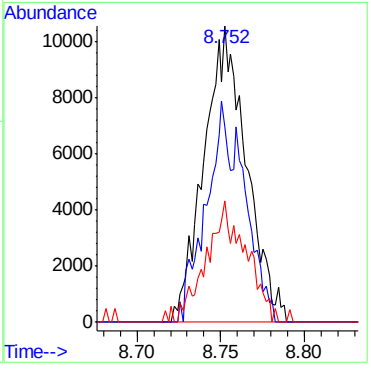


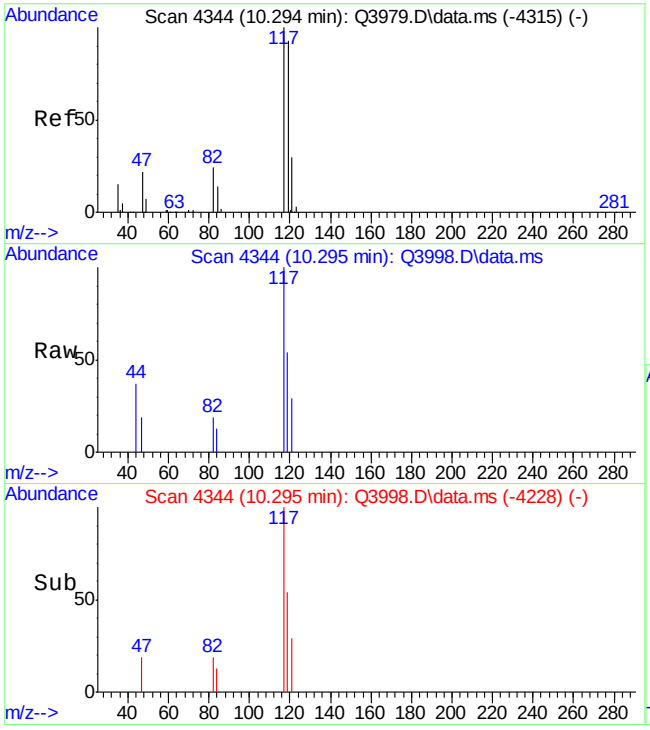


#31
CHLOROFORM
Concen: 0.40 PPBV
RT: 8.752 min Scan# 3475
Delta R.T. -0.002 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 83 Resp: 18542

Ion	Ratio	Lower	Upper
83	100		
85	67.5	44.9	84.9
47	38.1	5.6	45.6

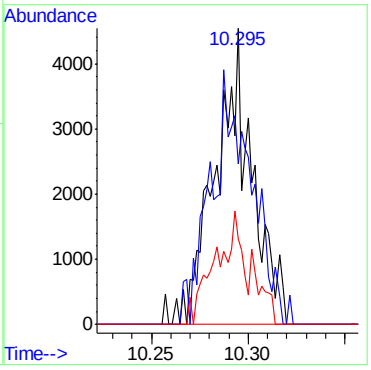


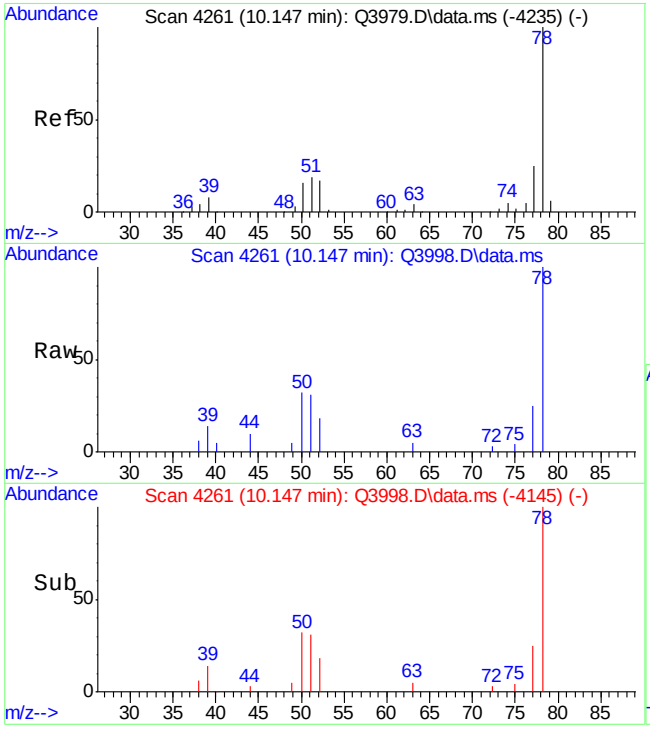


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.295 min Scan# 4344
Delta R.T. 0.000 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion:117 Resp: 5976

Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.2	117.2
121	35.3	11.0	51.0

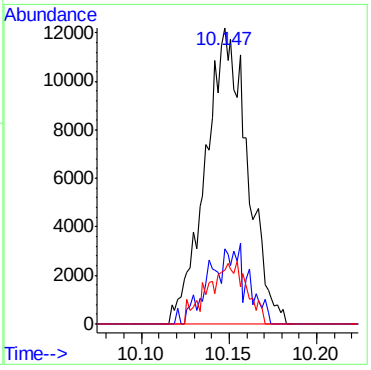


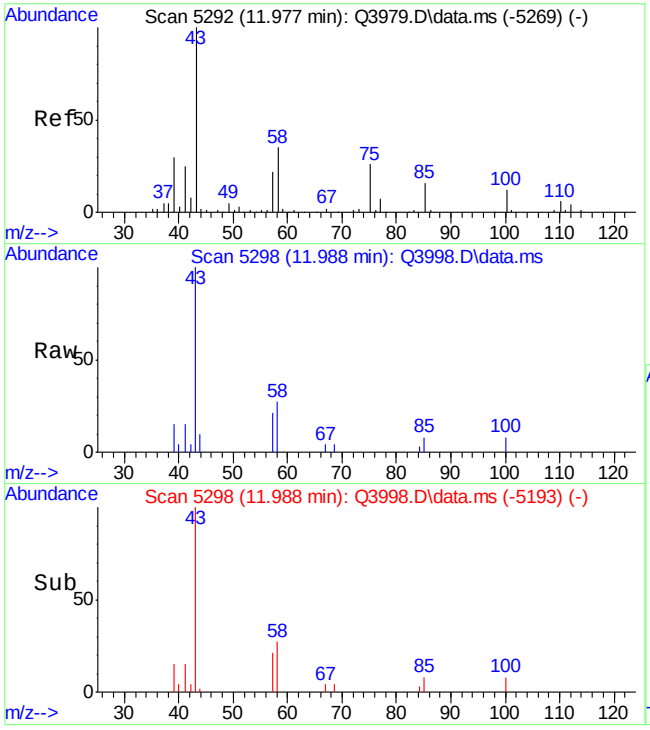


#36
BENZENE
Concen: 0.42 PPBV
RT: 10.147 min Scan# 4261
Delta R.T. 0.000 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 78 Resp: 20311

Ion	Ratio	Lower	Upper
78	100		
77	24.0	3.2	43.2
52	19.3	0.0	35.8

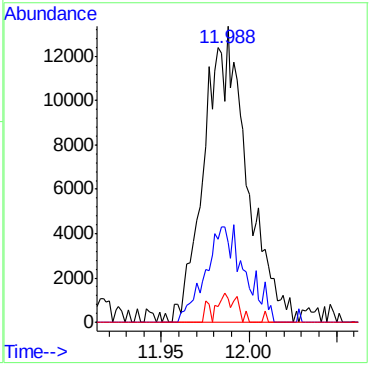


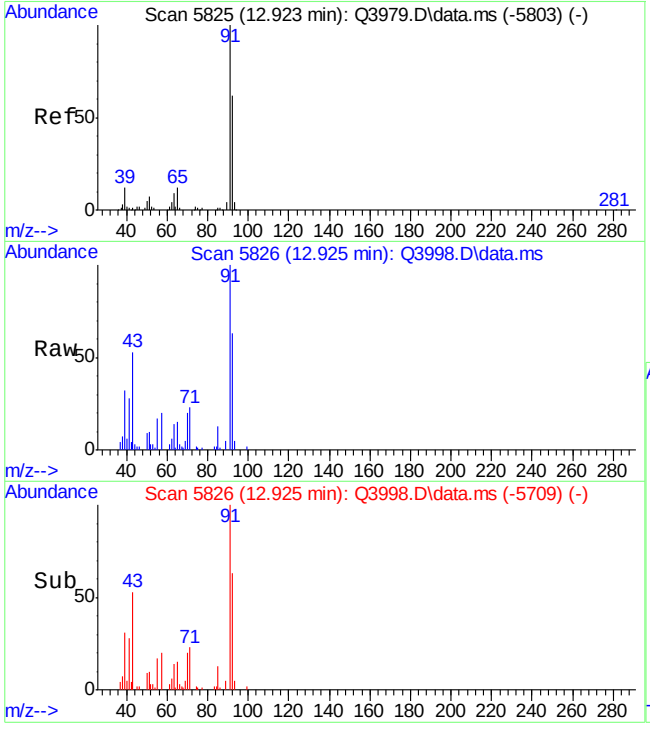


#44
METHYL ISOBUTYL KETONE
Concen: 0.64 PPBV
RT: 11.988 min Scan# 5298
Delta R.T. 0.011 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 43 Resp: 22608

Ion	Ratio	Lower	Upper
43	100		
58	29.8	16.2	56.2
100	4.9	0.0	32.0

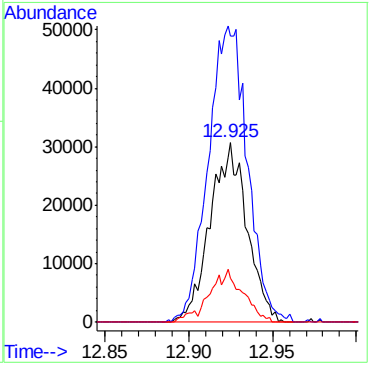


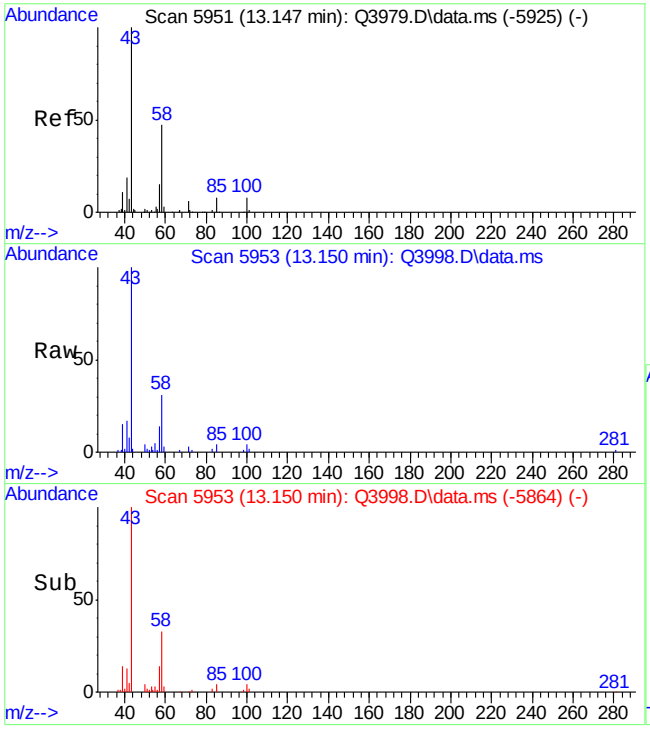


#46
TOLUENE
Concen: 1.33 PPBV
RT: 12.925 min Scan# 5826
Delta R.T. 0.002 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 92 Resp: 46965

Ion	Ratio	Lower	Upper
92	100		
91	176.3	151.2	191.2
65	26.8	0.0	39.8

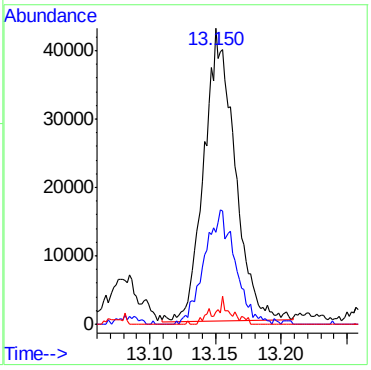


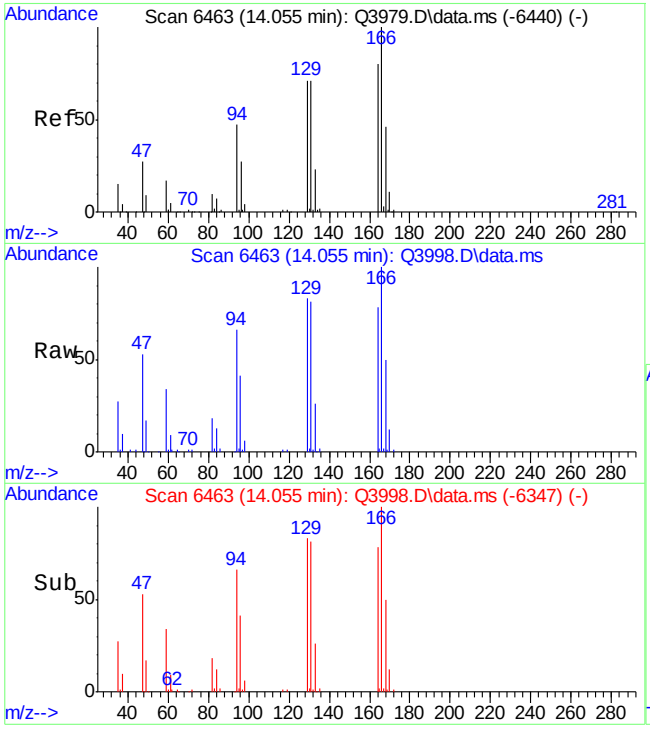


#50
2-HEXANONE
Concen: 2.41 PPBV
RT: 13.150 min Scan# 5953
Delta R.T. 0.004 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 43 Resp: 69861

Ion	Ratio	Lower	Upper
43	100		
58	39.7	29.3	69.3
100	5.0	0.0	28.8

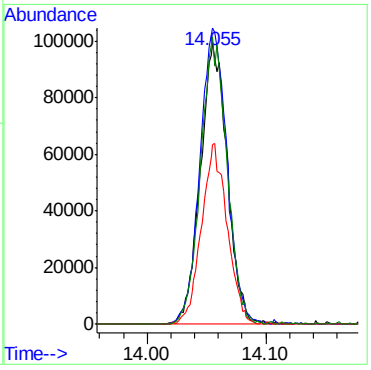


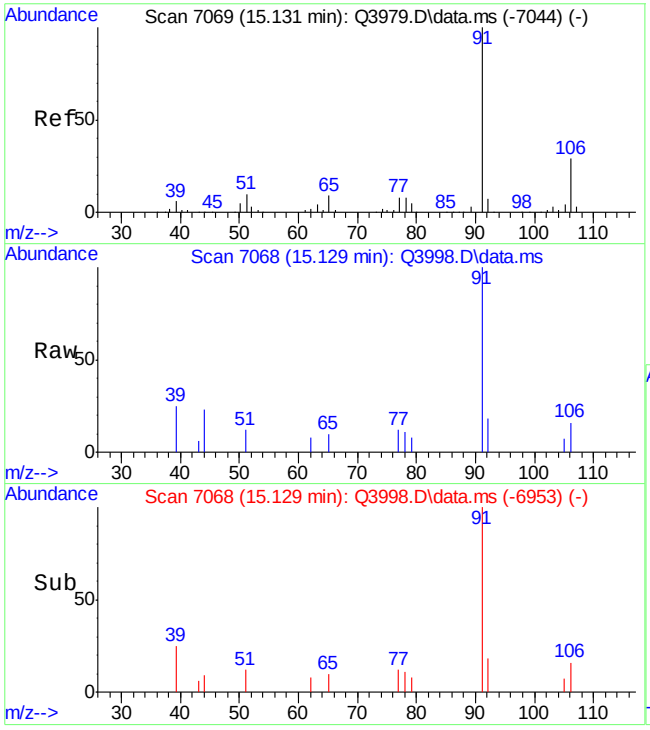


#51
TETRACHLOROETHYLENE
Concen: 5.22 PPBV
RT: 14.055 min Scan# 6463
Delta R.T. 0.000 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion:164 Resp: 156658

Ion	Ratio	Lower	Upper
164	100		
129	105.6	70.9	110.9
168	61.2	42.2	82.2
131	100.1	68.4	108.4

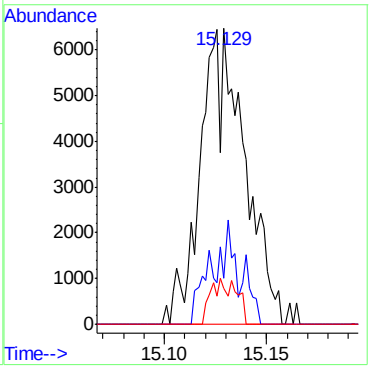


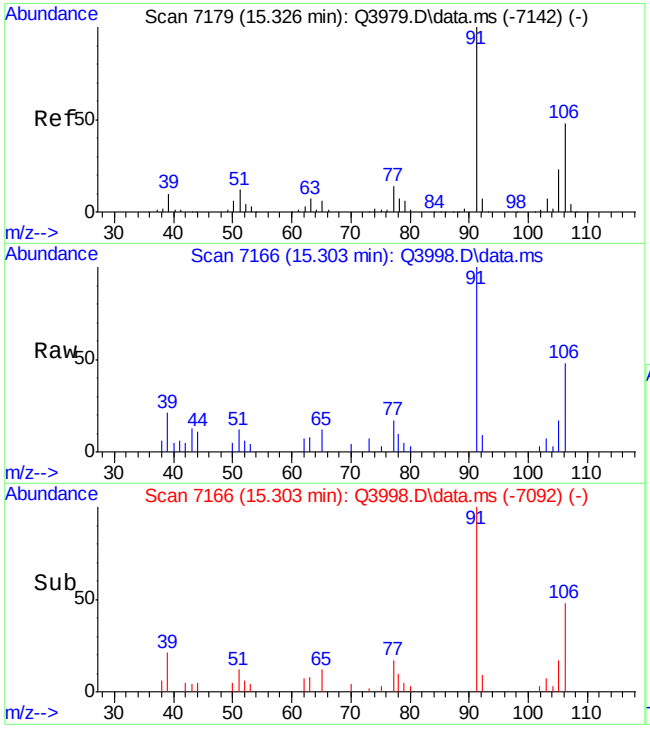


#55
ETHYLBENZENE
Concen: 0.13 PPBV
RT: 15.129 min Scan# 7068
Delta R.T. -0.002 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion: 91 Resp: 9795

Ion	Ratio	Lower	Upper
91	100		
106	21.7	9.9	49.9
77	8.7	0.0	28.7

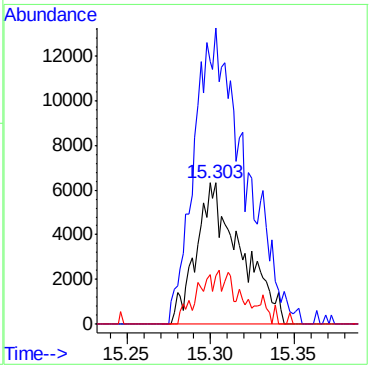


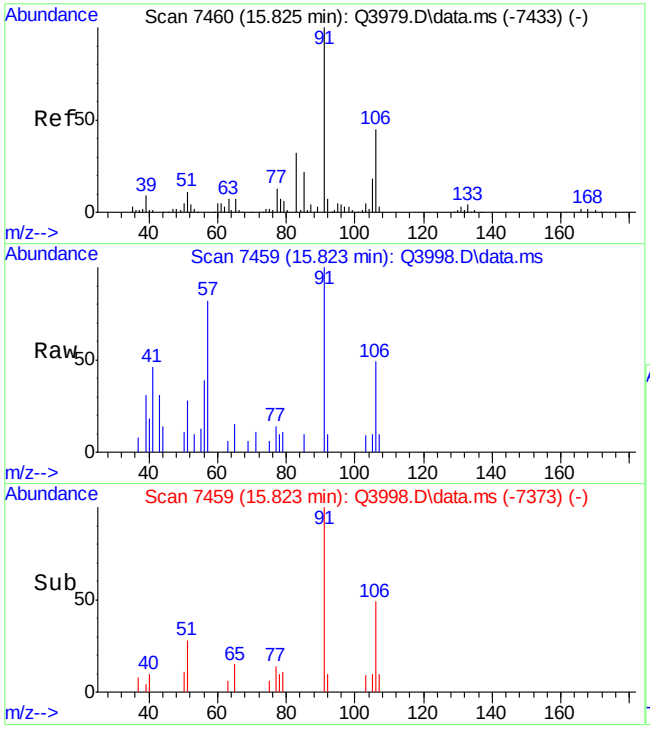


#56
m,p-XYLENE
Concen: 0.41 PPBV
RT: 15.303 min Scan# 7166
Delta R.T. -0.023 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion:106 Resp: 11731

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.5	251.3
77	34.7	22.6	34.0#

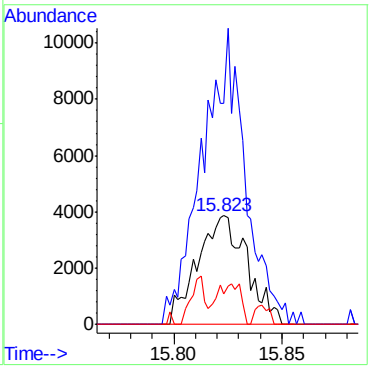


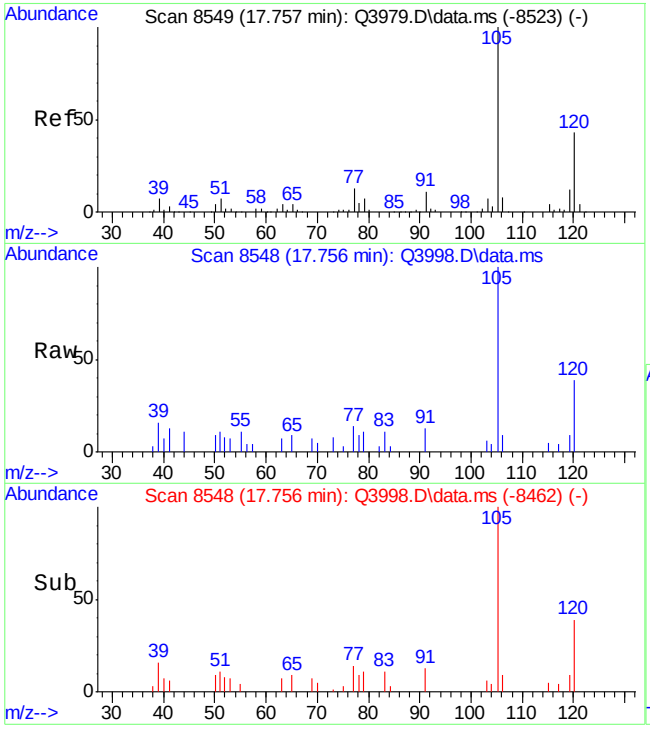


#57
o-XYLENE
Concen: 0.21 PPBV
RT: 15.823 min Scan# 7459
Delta R.T. -0.002 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion:106 Resp: 6139

Ion	Ratio	Lower	Upper
106	100		
91	236.7	203.3	243.3
77	16.1	8.2	48.2

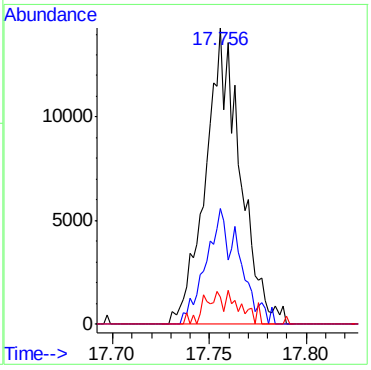




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.25 PPBV
RT: 17.756 min Scan# 8548
Delta R.T. -0.002 min
Lab File: Q3998.D
Acq: 17 Jul 2007 6:48 pm

Tgt Ion:105 Resp: 17755

Ion	Ratio	Lower	Upper
105	100		
120	38.0	24.2	64.2
119	8.8	0.0	31.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10741.D
Acq On : 22 Jun 2007 8:35 pm
Operator : danat
Sample : m65825-2 (m161)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	340983	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1392220	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	1217060	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	344291	4.56	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 91.20%

Target Compounds	Qvalue

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

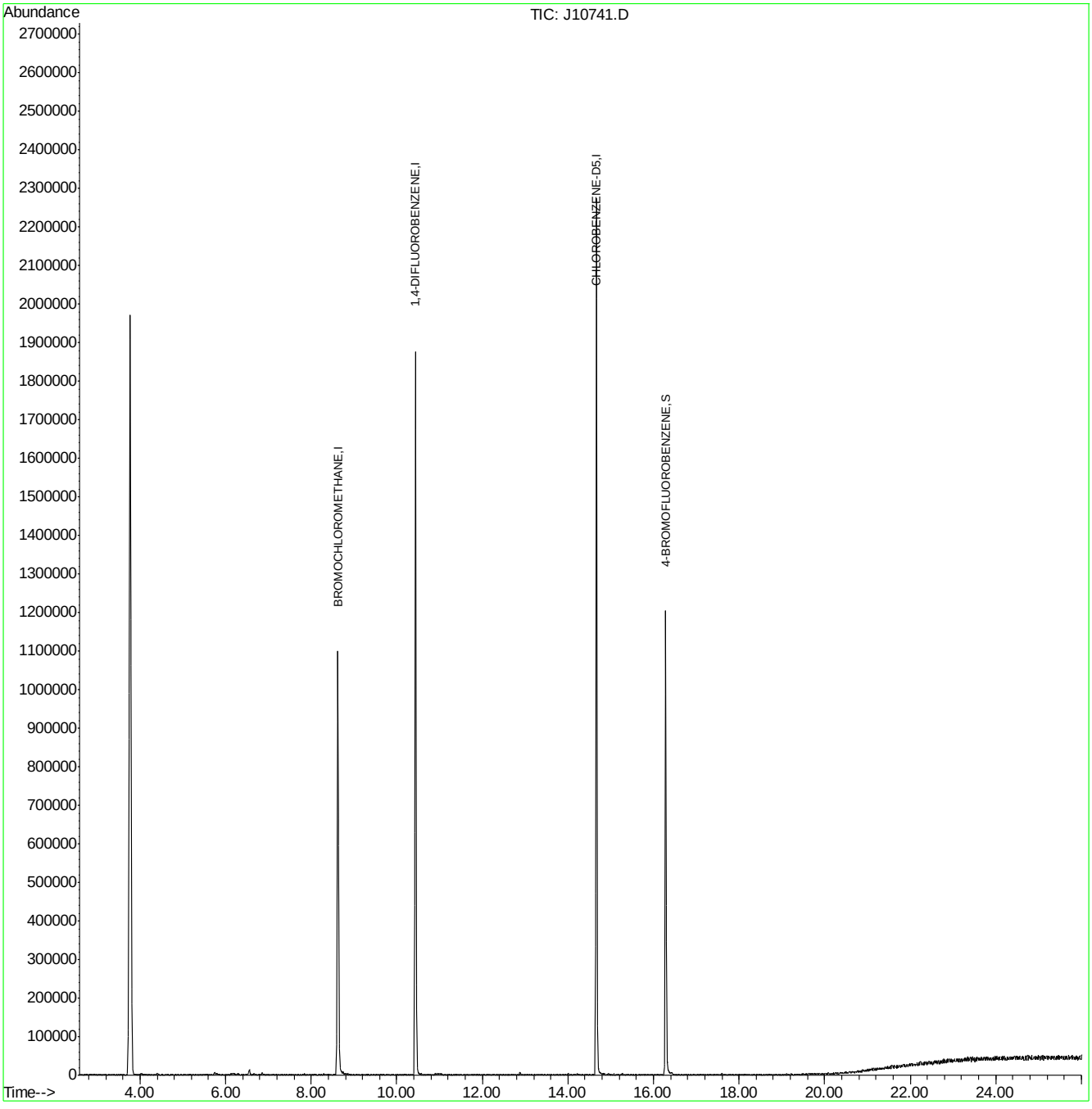
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10741.D
Acq On : 22 Jun 2007 8:35 pm
Operator : danat
Sample : m65825-2 (m161)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration



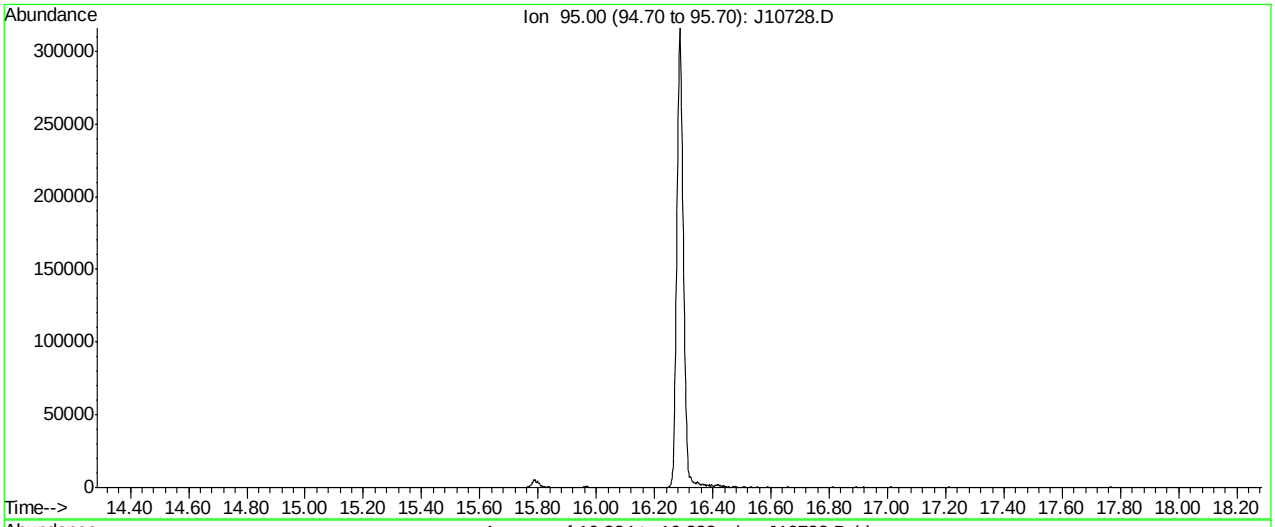
J062207T.M Tue Jun 26 12:27:54 2007 Page: 2

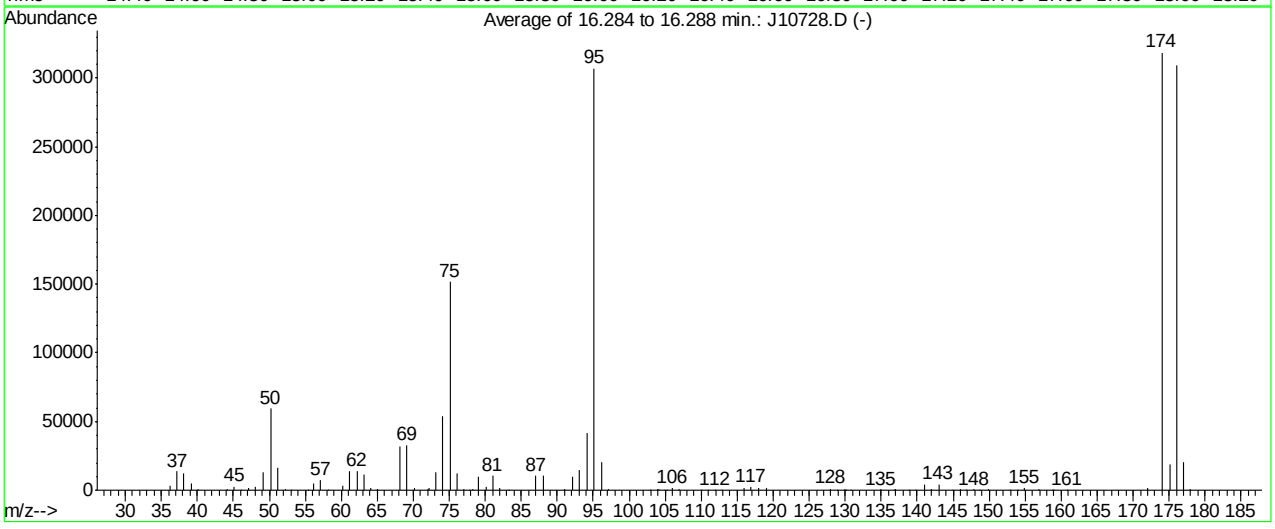
BFB

Data File : C:\MSDChem\1\data\J10728.D
Acq On : 22 Jun 2007 9:26 am
Sample : ic556-0.5 (m140)
Misc : MS13762, MSJ556,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7734, 7735, 7736; Background Corrected with Scan 7710

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.4	59480	PASS
75	95	30	66	49.4	151658	PASS
95	95	100	100	100.0	306880	PASS
96	95	5	9	6.6	20376	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	103.8	318656	PASS
175	174	4	9	5.9	18645	PASS
176	174	93	101	97.1	309397	PASS
177	176	5	9	6.5	20154	PASS

J10728.D J062207T.M Fri Jun 22 09:59:48 2007

Average of 16.284 to 16.288 min.: J10728.D
ic556-0.5 (m140)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	3391	50.20	59480	63.15	11259	76.10	12591
37.20	13846	51.10	16039	64.10	1423	77.05	1103
38.15	12340	52.20	621	65.10	1169	77.75	395
39.15	4530	53.10	135	68.10	32074	78.20	682
40.15	828	55.30	334	69.10	32952	79.00	9547
44.10	1080	56.15	4958	70.10	1913	80.10	2808
45.15	2807	57.10	7735	72.00	488	81.05	10242
46.10	185	58.10	430	72.20	1729	82.05	1883
47.15	1832	60.15	3060	73.15	13241	83.20	220
48.10	2843	61.10	13793	74.10	54253	87.05	10593
49.20	13319	62.15	14072	75.10	151658	88.05	10528

Average of 16.284 to 16.288 min.: J10728.D
ic556-0.5 (m140)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	939	105.20	205	127.95	1156	141.95	797
92.10	9788	106.00	1424	128.95	437	143.00	4495
93.10	14747	106.90	489	129.90	683	144.95	386
94.15	41794	110.10	246	130.10	235	145.95	572
95.10	306880	110.90	137	130.80	153	146.80	141
96.10	20376	111.95	335	135.00	676	147.90	729
97.05	646	112.90	135	136.80	234	148.70	173
102.80	139	116.00	1281	137.00	596	149.90	717
103.90	624	116.95	2159	138.90	247	152.90	155
104.05	1002	118.05	1350	139.80	154	153.90	194
104.95	397	119.00	1784	141.00	3887	154.95	1292

Average of 16.284 to 16.288 min.: J10728.D
ic556-0.5 (m140)
Modified:subtracted

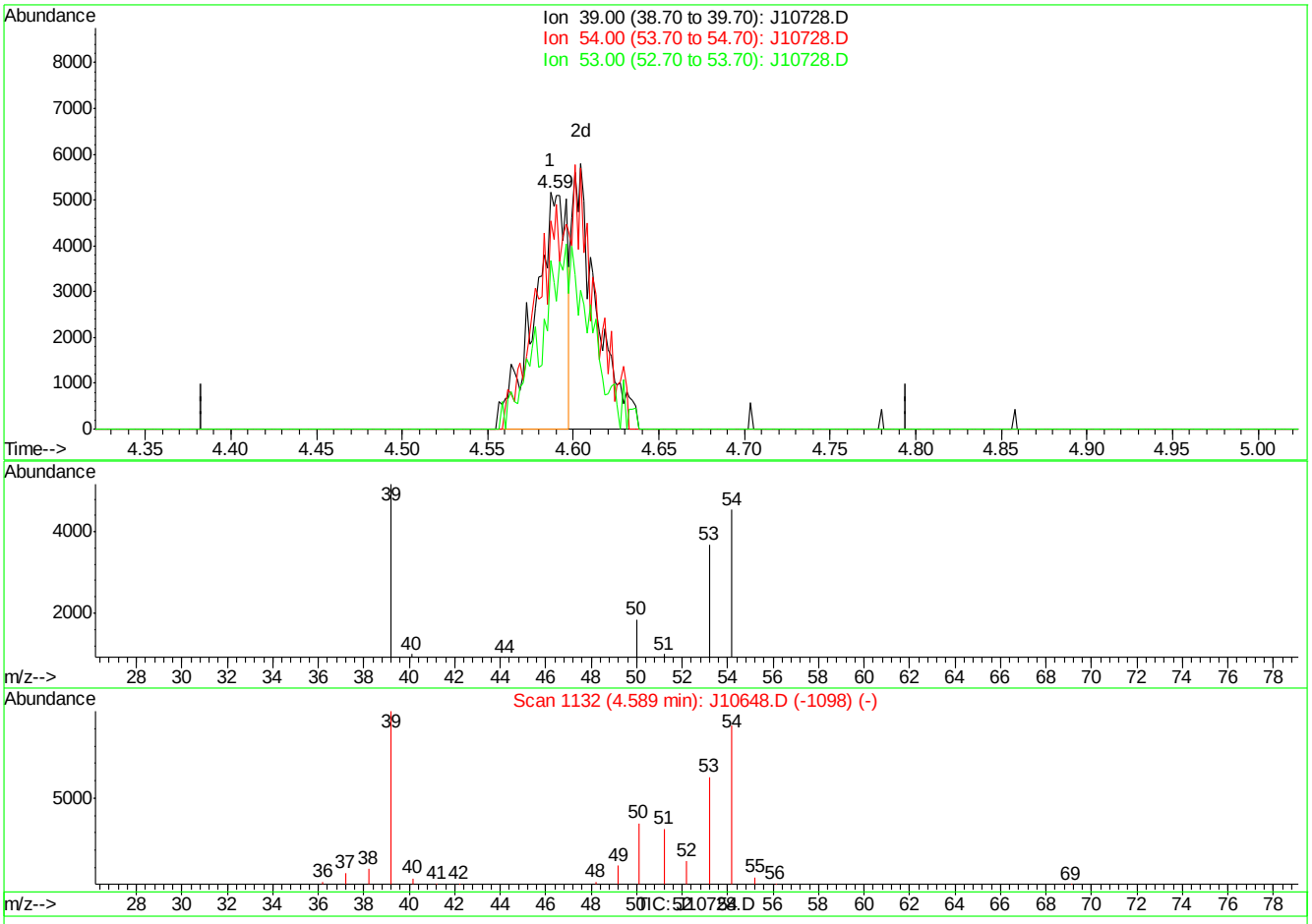
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.95	1024						
158.70	167						
158.90	264						
160.85	403						
172.00	2032						
174.00	318656						
175.10	18645						
176.00	309397						
176.95	20154						
177.90	596						

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.59min 0.24PPBV

response 6837

Ion	Exp%	Act%
39.00	100	100
54.00	94.20	91.52
53.00	65.20	0.00#
0.00	0.00	0.00

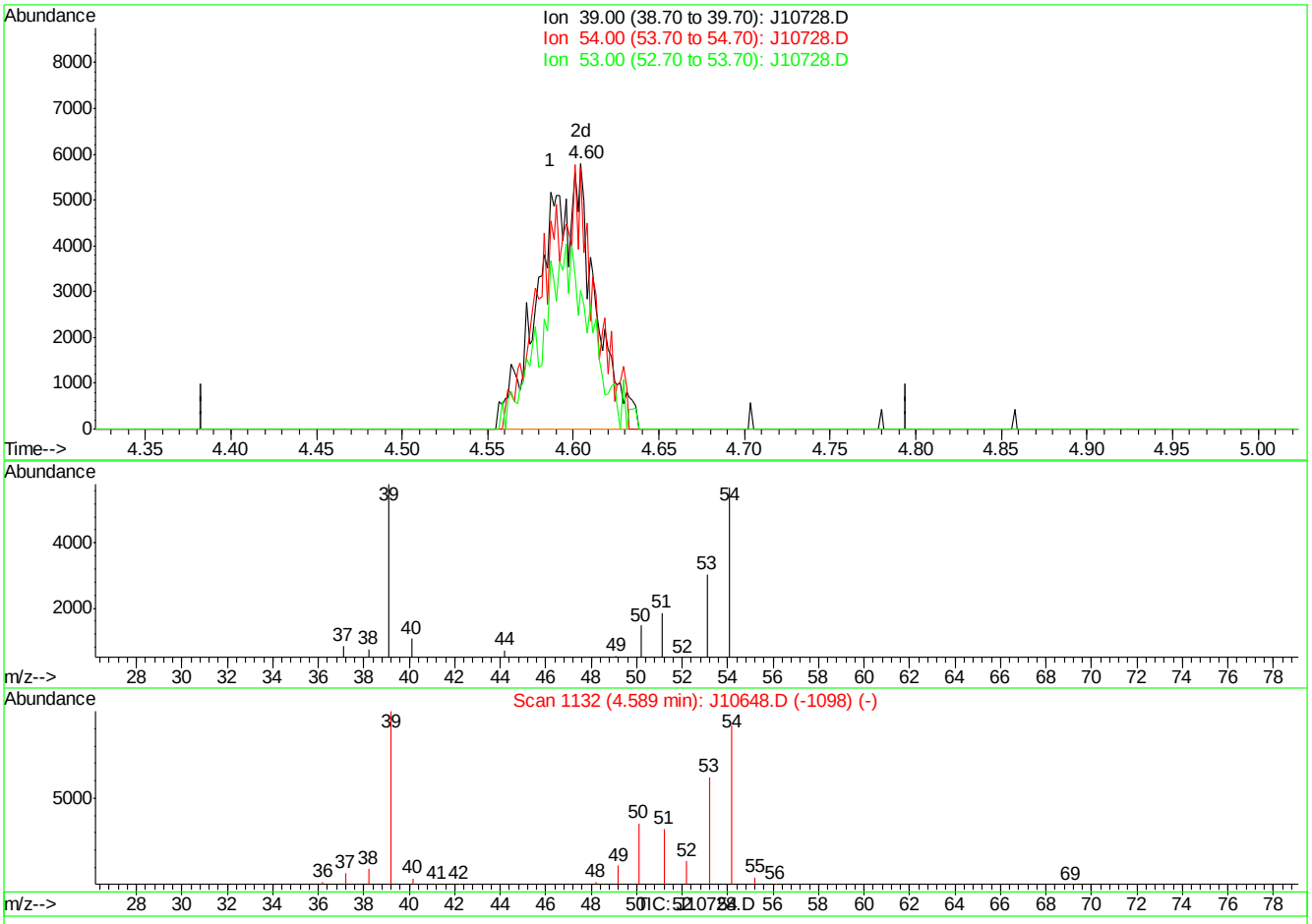
J10728.D J062207T.M Fri Jun 22 09:57:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.60min 0.44PPBV m

response 12568

Ion	Exp%	Act%
39.00	100	100
54.00	94.20	49.79#
53.00	65.20	0.00#
0.00	0.00	0.00

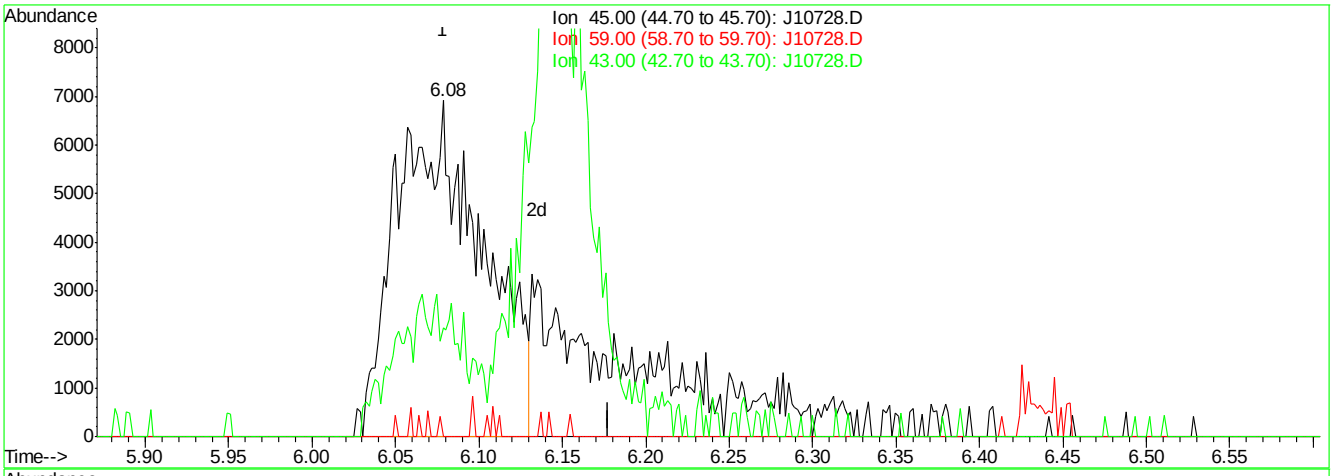
J10728.D J062207T.M Fri Jun 22 09:57:20 2007

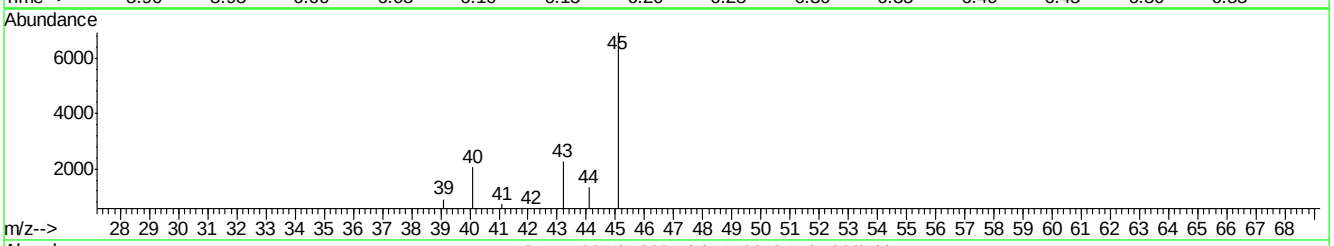
Quantitation Report (Qedit)

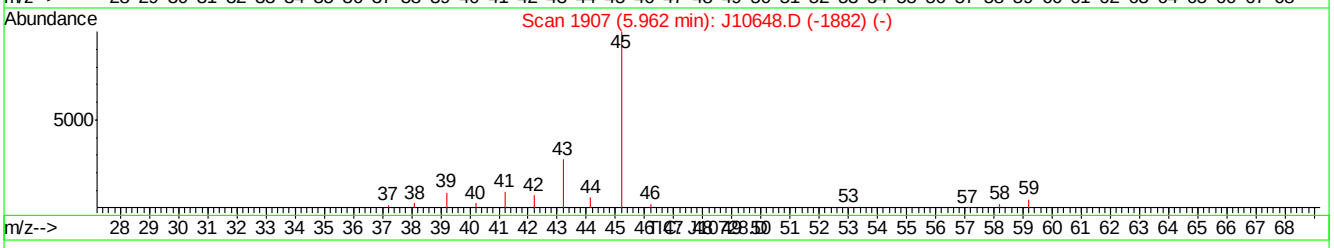
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.08min 0.48PPBV

response 24576

Ion	Exp%	Act%
45.00	100	100
59.00	5.10	0.00
43.00	27.70	32.51
0.00	0.00	0.00

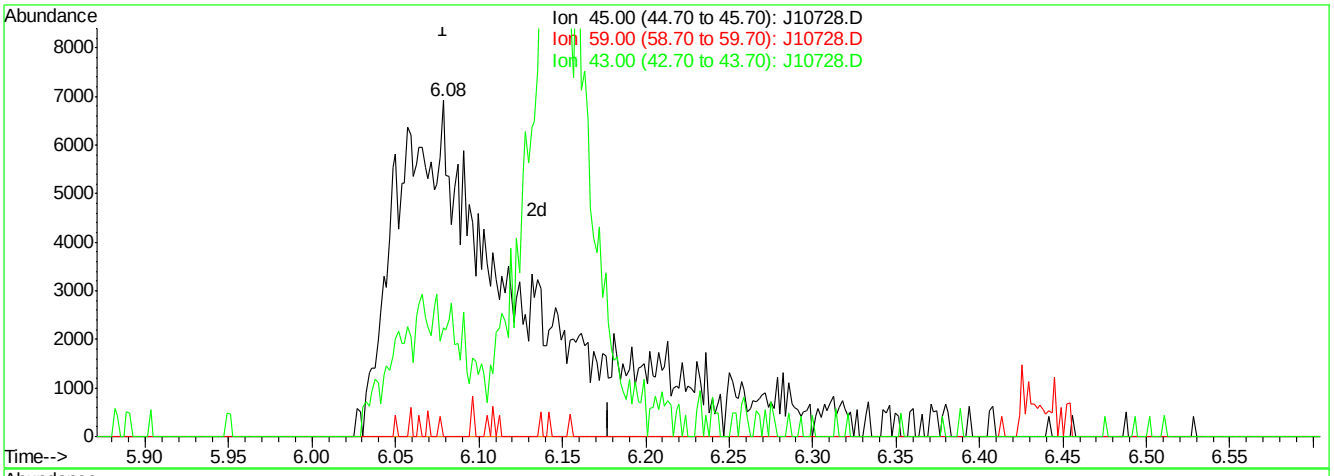
J10728.D J062207T.M Fri Jun 22 09:57:34 2007

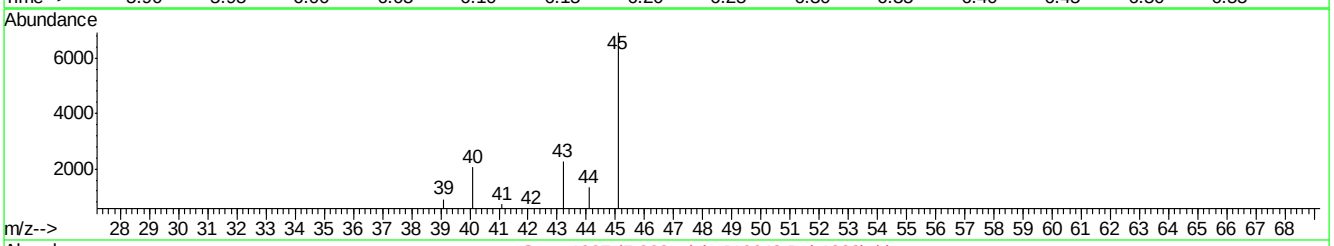
Quantitation Report (Qedit)

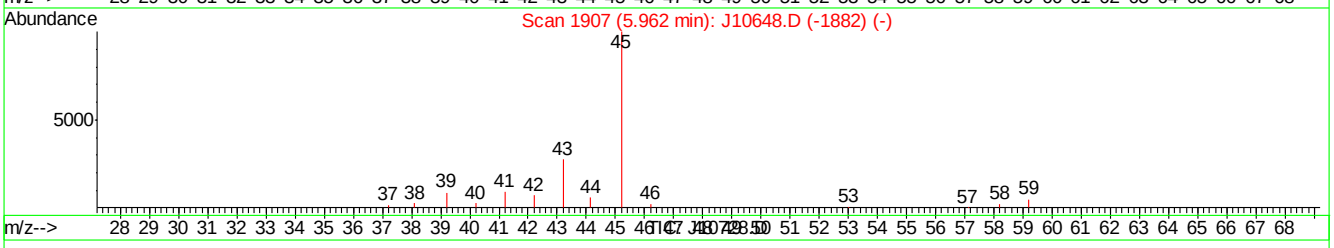
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.08min 0.69PPBV m

response 35483

Ion	Exp%	Act%
45.00	100	100
59.00	5.10	0.00
43.00	27.70	32.51
0.00	0.00	0.00

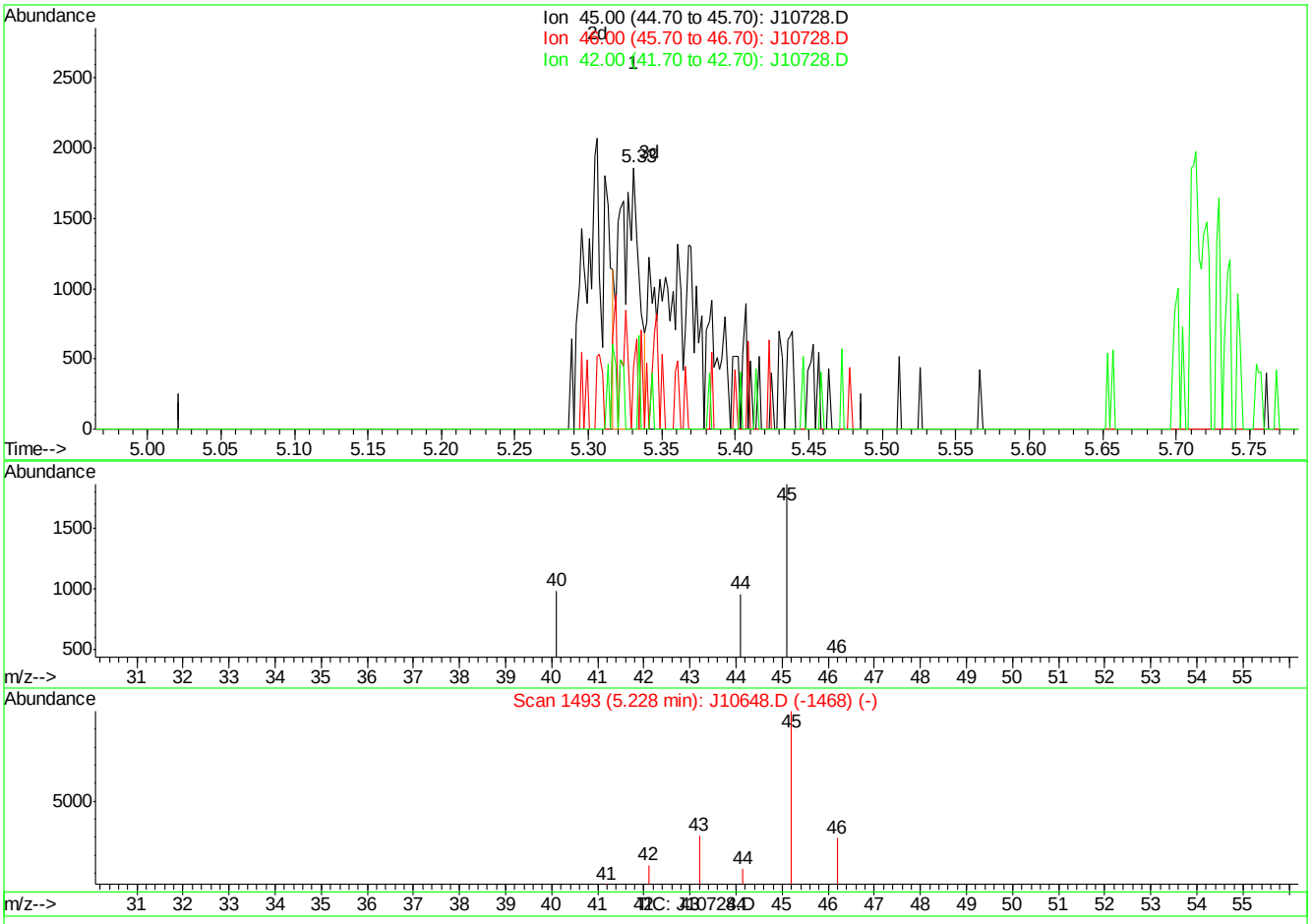
J10728.D J062207T.M Fri Jun 22 09:57:40 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.33min 0.17PPBV

response 1620

Ion	Exp%	Act%
45.00	100	100
46.00	33.70	26.85
42.00	5.10	4.38
0.00	0.00	0.00

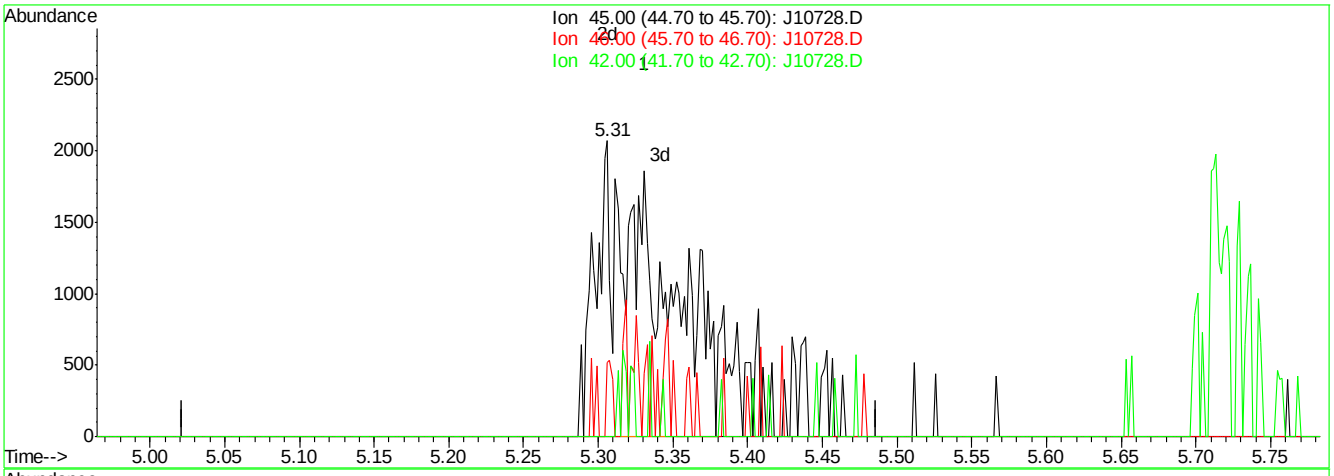
J10728.D J062207T.M Fri Jun 22 09:57:50 2007

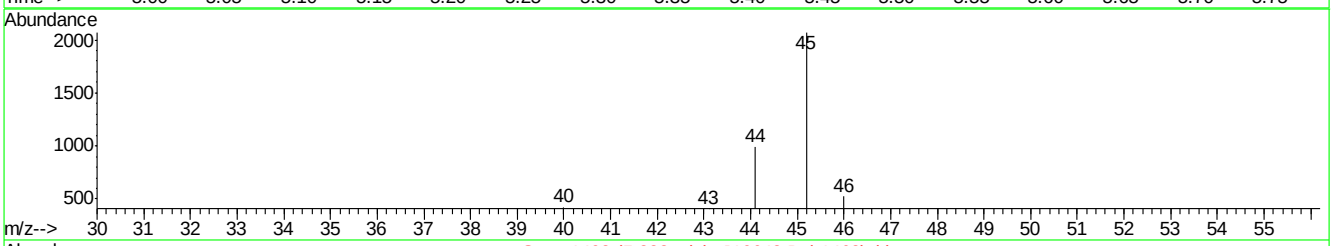
Quantitation Report (Qedit)

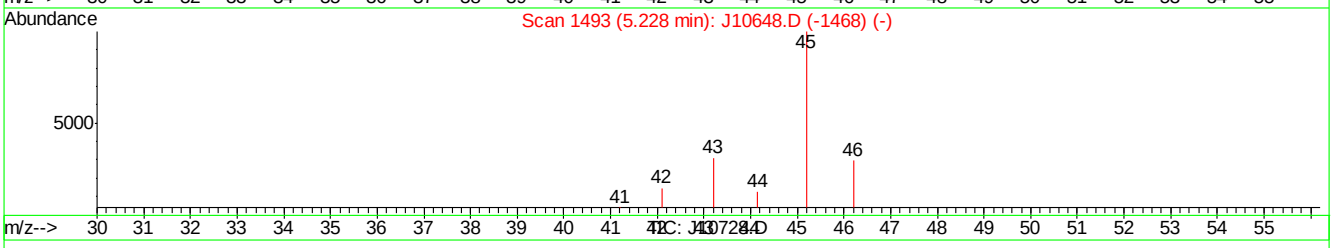
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.31min 0.60PPBV m

response 5785

Ion	Exp%	Act%
45.00	100	100
46.00	33.70	7.52#
42.00	5.10	1.23
0.00	0.00	0.00

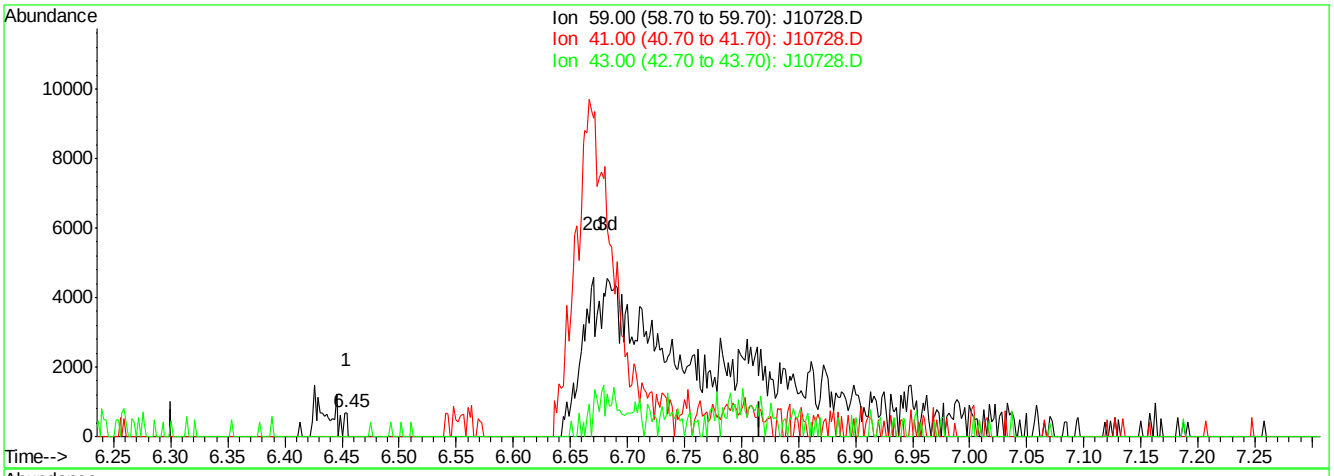
J10728.D J062207T.M Fri Jun 22 09:58:02 2007

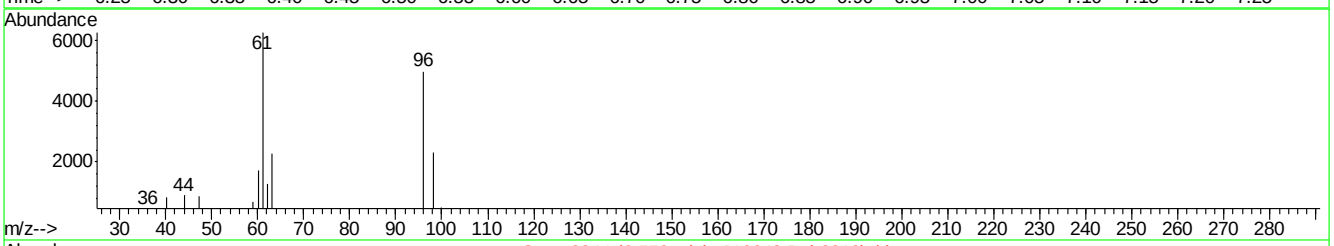
Quantitation Report (Qedit)

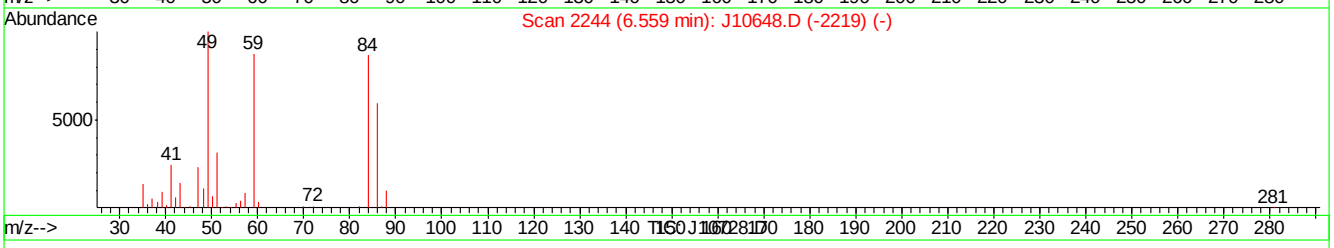
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.45min 0.00PPBV

response 143

Ion	Exp%	Act%
59.00	100	100
41.00	24.40	0.00#
43.00	18.50	0.00
0.00	0.00	0.00

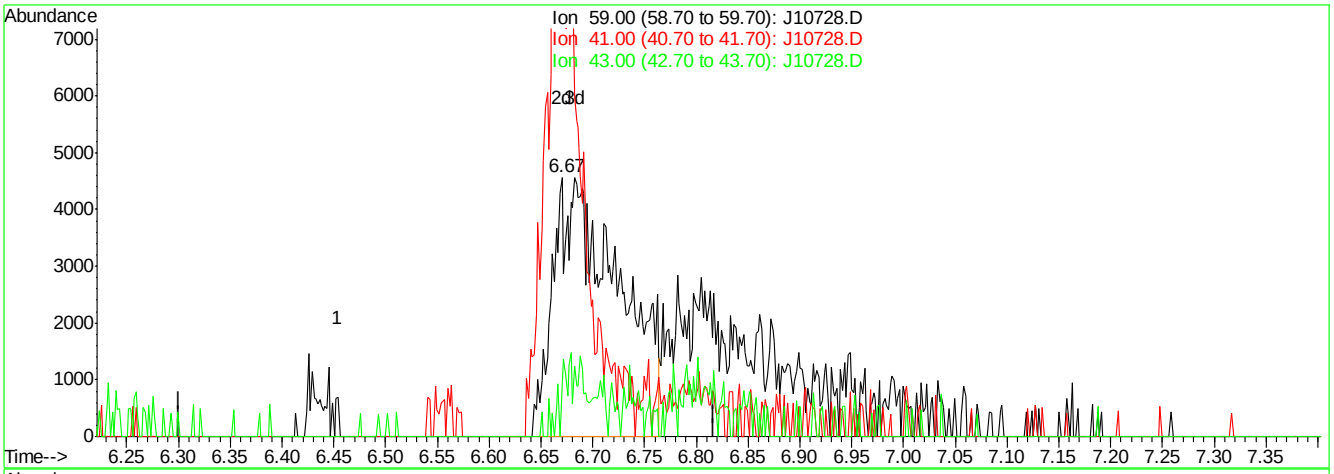
J10728.D J062207T.M Fri Jun 22 09:58:14 2007

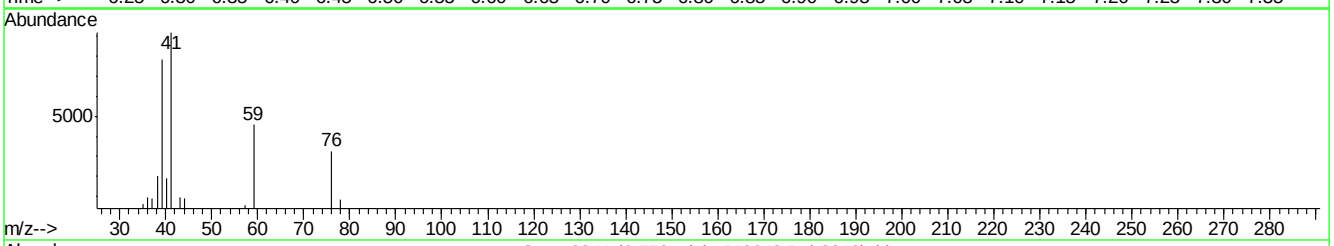
Quantitation Report (Qedit)

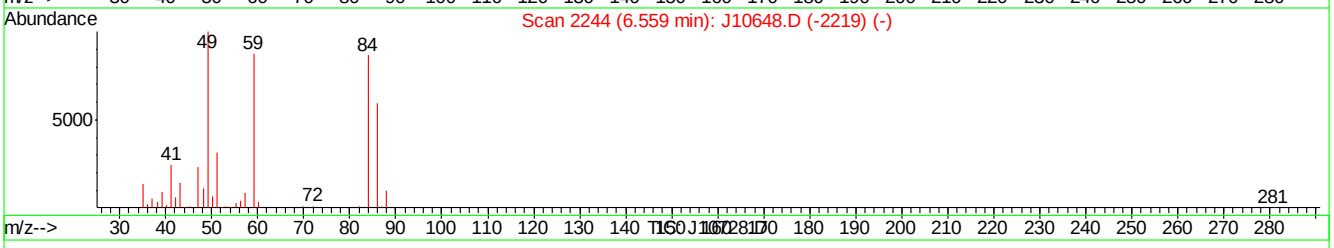
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.67min 0.31PPBV m

response 19929

Ion	Exp%	Act%
59.00	100	100
41.00	24.40	0.00#
43.00	18.50	0.00
0.00	0.00	0.00

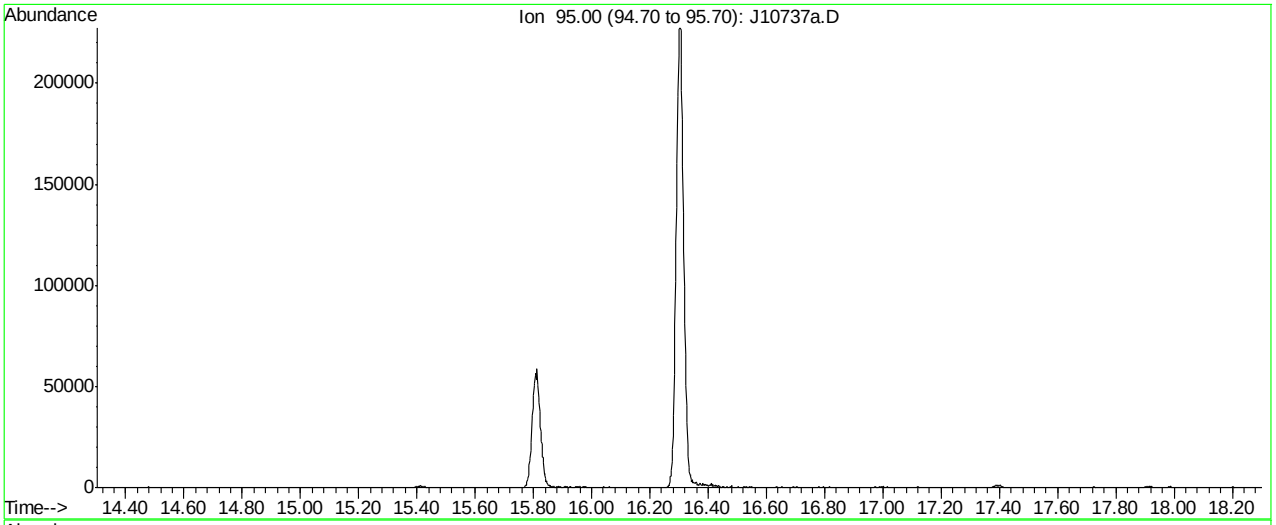
J10728.D J062207T.M Fri Jun 22 09:58:33 2007

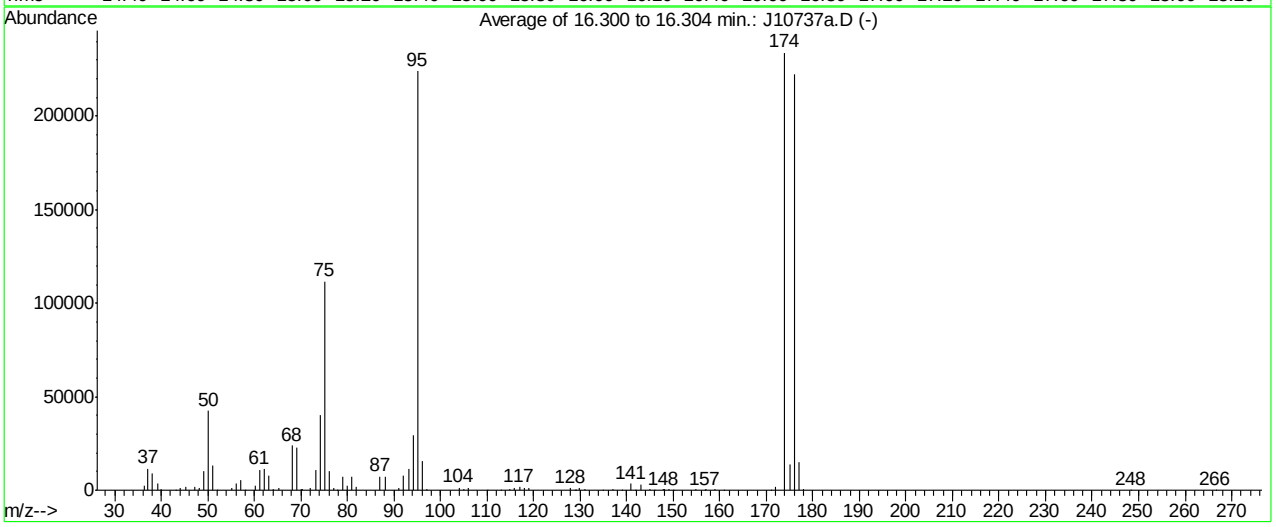
BFB

Data File : C:\MSDCHEM\1\DATA\J10737a.D
Acq On : 22 Jun 2007 5:13 pm
Sample : icv556-10 (m045)
Misc : MS13762, MSJ556,,,,,1
MS Integration Params: LSCINT.P

Vial: 3
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7743, 7744, 7745; Background Corrected with Scan 7716

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.0	42528	PASS
75	95	30	66	49.8	111533	PASS
95	95	100	100	100.0	223936	PASS
96	95	5	9	6.9	15347	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	104.5	234048	PASS
175	174	4	9	6.0	13928	PASS
176	174	93	101	95.1	222656	PASS
177	176	5	9	6.6	14792	PASS

J10737a.D J062207T.M Mon Jun 25 09:27:53 2007

Average of 16.300 to 16.304 min.: J10737a.D
icv556-10 (m045)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.25	2397	50.10	42528	64.10	734	77.05	1110
37.20	11587	51.10	13124	65.15	1048	77.90	191
38.15	8976	52.10	238	68.10	23770	79.00	7344
39.15	3816	55.10	1033	69.10	22957	80.05	2371
40.05	454	56.10	3418	70.00	469	81.00	7478
43.15	312	57.15	5302	70.20	903	82.00	1787
44.10	1419	58.10	151	72.10	985	87.05	7449
45.15	2032	60.15	2584	73.10	10816	88.05	7015
47.10	1982	61.10	11032	74.15	40410	91.00	1025
48.15	1310	62.15	11372	75.10	111533	92.10	7747
49.15	9976	63.15	7712	76.10	10165	93.10	11697

Average of 16.300 to 16.304 min.: J10737a.D
icv556-10 (m045)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.20	29552	117.00	1545	140.95	3431	156.95	473
95.10	223936	117.95	1069	141.90	147	159.05	361
96.10	15347	118.95	1322	142.95	2915	160.90	312
97.05	468	128.00	1080	144.90	360	171.00	161
104.00	1324	128.80	174	146.00	193	172.05	1736
105.00	534	129.00	226	147.90	452	174.00	234048
105.95	1265	129.85	1020	148.10	427	175.05	13928
110.10	135	130.95	765	149.00	407	176.00	222656
113.00	176	134.90	297	150.00	138	177.00	14792
114.95	334	136.95	400	154.95	462	177.90	720
115.95	1162	138.90	143	156.70	196	248.40	136

Average of 16.300 to 16.304 min.: J10737a.D
icv556-10 (m045)
Modified:subtracted

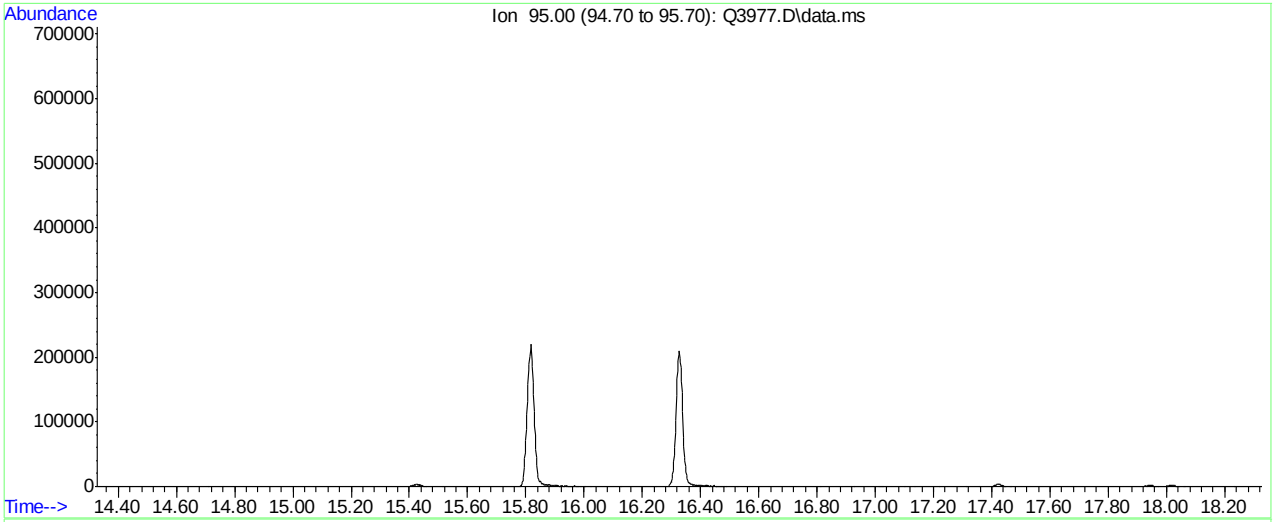
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
266.50	173						

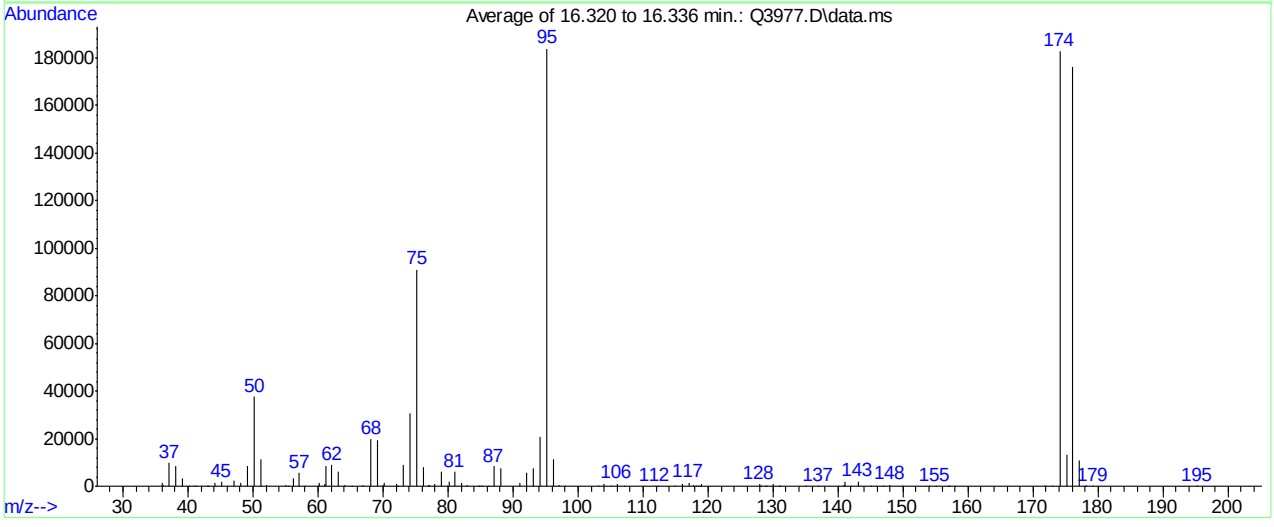
BFB

Data File : C:\msdchem\1\DATA\Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.320 to 16.336 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.4	37567	PASS
75	95	30	66	49.5	91035	PASS
95	95	100	100	100.0	183833	PASS
96	95	5	9	6.2	11307	PASS
173	174	0.00	2	0.1	121	PASS
174	95	50	120	99.4	182726	PASS
175	174	4	9	7.1	12997	PASS
176	174	93	101	96.4	176070	PASS
177	176	5	9	6.2	10865	PASS

Q3977.D Q071607T.m Tue Jul 17 13:57:03 2007 RPT1

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1539	44.10	1650	56.15	3334	66.95	389
36.25	638	45.10	1695	57.15	5515	68.15	19877
37.15	9767	46.00	43	58.00	104	69.15	19215
38.15	8446	47.05	2291	60.10	1633	70.00	317
39.15	3266	48.20	1408	60.25	354	70.15	1214
40.10	174	49.20	8260	61.00	902	72.05	1055
40.95	212	50.20	37567	61.20	8680	72.30	89
41.20	56	51.15	11197	62.15	8847	73.15	9174
42.10	55	52.10	424	63.15	6276	74.15	30679
42.90	74	55.05	619	64.10	547	75.20	91035
43.15	201	55.30	80	65.15	87	76.15	8037

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.90	137	84.90	47	97.05	366	117.00	1624
77.00	498	85.20	50	98.00	40	117.85	392
77.15	699	86.15	193	103.05	95	118.05	237
78.00	899	87.05	8285	104.00	904	118.40	45
79.05	6028	88.10	7567	105.05	182	118.80	160
79.80	171	91.10	1322	106.00	1104	119.00	912
80.10	1742	92.15	5695	107.05	236	127.95	748
81.05	5959	93.15	7504	111.90	76	128.15	154
82.00	1626	94.15	20668	112.30	51	128.80	43
83.00	433	95.20	183833	114.90	171	129.00	58
84.70	43	96.15	11307	116.00	799	129.95	739

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

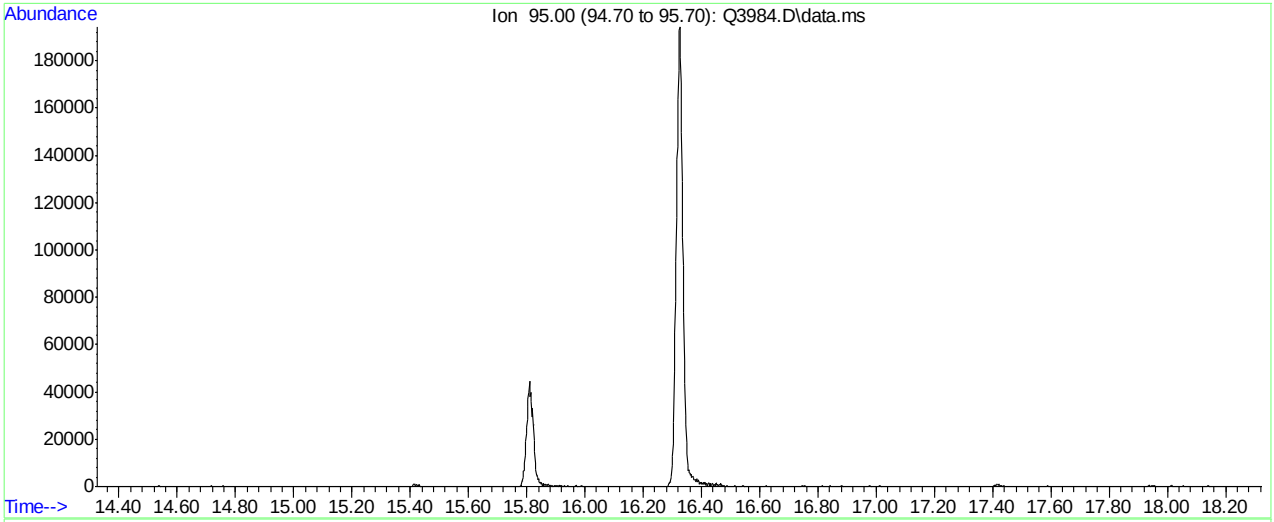
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.80	80	146.90	201	174.10	182726		
131.05	107	148.00	488	175.15	12997		
135.00	96	149.90	43	176.10	176070		
137.00	139	153.95	121	177.05	10865		
140.00	44	155.00	253	177.90	161		
140.85	326	156.85	91	178.20	40		
141.10	1680	157.15	238	179.20	44		
141.95	141	158.00	56	195.20	53		
143.05	1907	171.80	40				
145.00	41	172.00	68				
145.90	49	173.00	121				

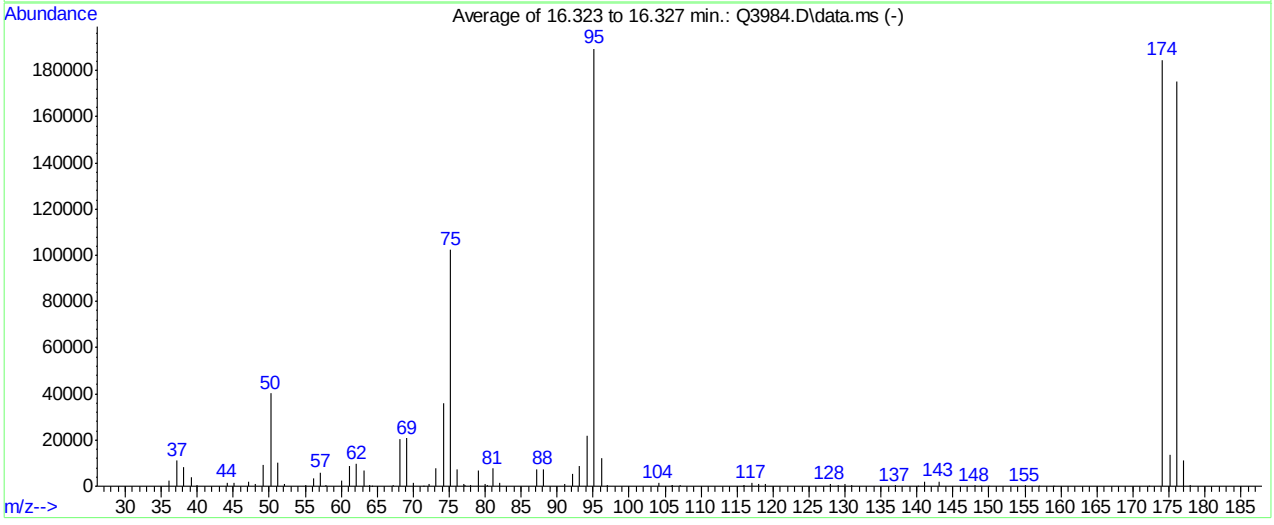
BFB

Data File : C:\msdchem\1\DATA\Q3984.D
Acq On : 17 Jul 2007 8:45 am
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7741, 7742, 7743; Background Corrected with Scan 7716

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.2	40213	PASS
75	95	30	66	54.0	102322	PASS
95	95	100	100	100.0	189568	PASS
96	95	5	9	6.5	12344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.3	184490	PASS
175	174	4	9	7.5	13823	PASS
176	174	93	101	95.0	175296	PASS
177	176	5	9	6.5	11417	PASS

Q3984.D Q071607T.m Tue Jul 17 14:02:49 2007 RPT1

Average of 16.323 to 16.327 min.: Q3984.D\data.ms
icv214-10 (M209)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2457	51.10	10417	64.20	143	77.00	859
37.20	11108	52.15	913	67.15	495	77.20	540
38.15	8382	55.00	705	68.15	20629	77.95	596
39.15	3712	56.15	3439	69.15	20818	79.05	6665
40.00	483	57.15	5953	70.05	1666	80.00	974
44.15	1587	57.90	392	71.50	146	80.30	610
45.15	1573	60.05	2223	72.15	1022	81.05	7695
47.05	1862	61.10	8762	73.15	7990	82.00	1365
48.00	1178	62.15	9532	74.20	35784	87.10	7363
49.15	9366	63.15	6741	75.20	102322	88.05	7408
50.20	40213	64.00	563	76.15	7416	91.00	1094

Average of 16.323 to 16.327 min.: Q3984.D\data.ms
icv214-10 (M209)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.15	5150	115.95	488	143.05	2110	177.10	11417
93.15	8533	117.00	1303	148.05	364	177.95	380
94.15	21933	118.00	749	148.90	227		
95.15	189568	119.00	1084	150.00	157		
96.15	12344	127.95	866	155.00	482		
97.05	403	129.00	646	156.90	136		
104.10	1316	129.95	774	158.90	208		
105.80	210	131.00	299	172.20	214		
106.05	667	136.95	476	174.10	184490		
107.05	383	140.10	134	175.10	13823		
115.80	226	141.05	1809	176.10	175296		

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/26/07 15:46

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10728.D
Acq On : 22 Jun 2007 9:26 am
Operator : danat
Sample : ic556-0.5 (m140)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 09:58:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 09:56:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	407073	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1800368	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1560130	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	487974	5.23	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 104.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	78893	0.46	PPBV	99
3) PROPYLENE	4.00	41	10324	0.40	PPBV	87
4) FREON 114	4.34	85	69902	0.45	PPBV	100
5) CHLOROMETHANE	4.25	50	16991	0.45	PPBV	87
6) VINYL CHLORIDE	4.46	62	18061	0.42	PPBV	93
7) 1,3-BUTADIENE	4.60	39	12568m	0.44	PPBV	
8) BROMOMETHANE	4.87	94	24243	0.46	PPBV	98
9) CHLOROETHANE	5.04	64	9345	0.45	PPBV	89
10) TRICHLOROFLUOROMETHANE	5.80	101	85717	0.49	PPBV	98
11) ISOPROPYL ALCOHOL	6.08	45	35483m	0.69	PPBV	
12) ACETONE	5.72	43	38125	0.74	PPBV	96
13) PENTANE	6.15	42	17269	0.47	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.43	96	20894	0.42	PPBV	94
15) CARBON DISULFIDE	6.86	76	62804	0.43	PPBV	85
16) ETHANOL	5.31	45	5785m	0.60	PPBV	
17) BROMOETHENE	5.39	106	21873	0.44	PPBV #	97
18) METHYLENE CHLORIDE	6.55	84	36921	0.57	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	17446	0.53	PPBV	91
20) FREON 113	6.80	151	53415	0.46	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	21367	0.44	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.67	59	19929m	0.31	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.78	73	44194	0.52	PPBV	95
24) TETRAHYDROFURAN	9.25	42	11157	0.43	PPBV	80
25) HEXANE	8.64	57	27981	0.52	PPBV	95
26) VINYL ACETATE	7.82	43	25518	0.47	PPBV	86
27) 1,1-DICHLOROETHANE	7.65	63	40264	0.51	PPBV	98
28) METHYL ETHYL KETONE	8.12	43	29314	0.56	PPBV	81
29) cis-1,2-DICHLOROETHYLENE	8.46	96	20452	0.45	PPBV	88
30) ETHYL ACETATE	8.73	43	30782	0.55	PPBV #	100
31) CHLOROFORM	8.74	83	53940	0.50	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	61344	0.48	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	68830	0.45	PPBV	98
34) 1,2-DICHLOROETHANE	9.45	62	31111	0.52	PPBV	98
36) BENZENE	10.12	78	51389	0.42	PPBV	99
37) CYCLOHEXANE	10.38	84	18454	0.34	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	26064	0.42	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	16683	0.43	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	46784	0.43	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	69227	0.39	PPBV	97
42) 1,4-DIOXANE	11.27	88	13447	0.54	PPBV	86
43) HEPTANE	11.36	43	22379	0.41	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10728.D
Acq On : 22 Jun 2007 9:26 am
Operator : danat
Sample : ic556-0.5 (m140)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 09:58:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 09:56:39 2007
Response via : Initial Calibration

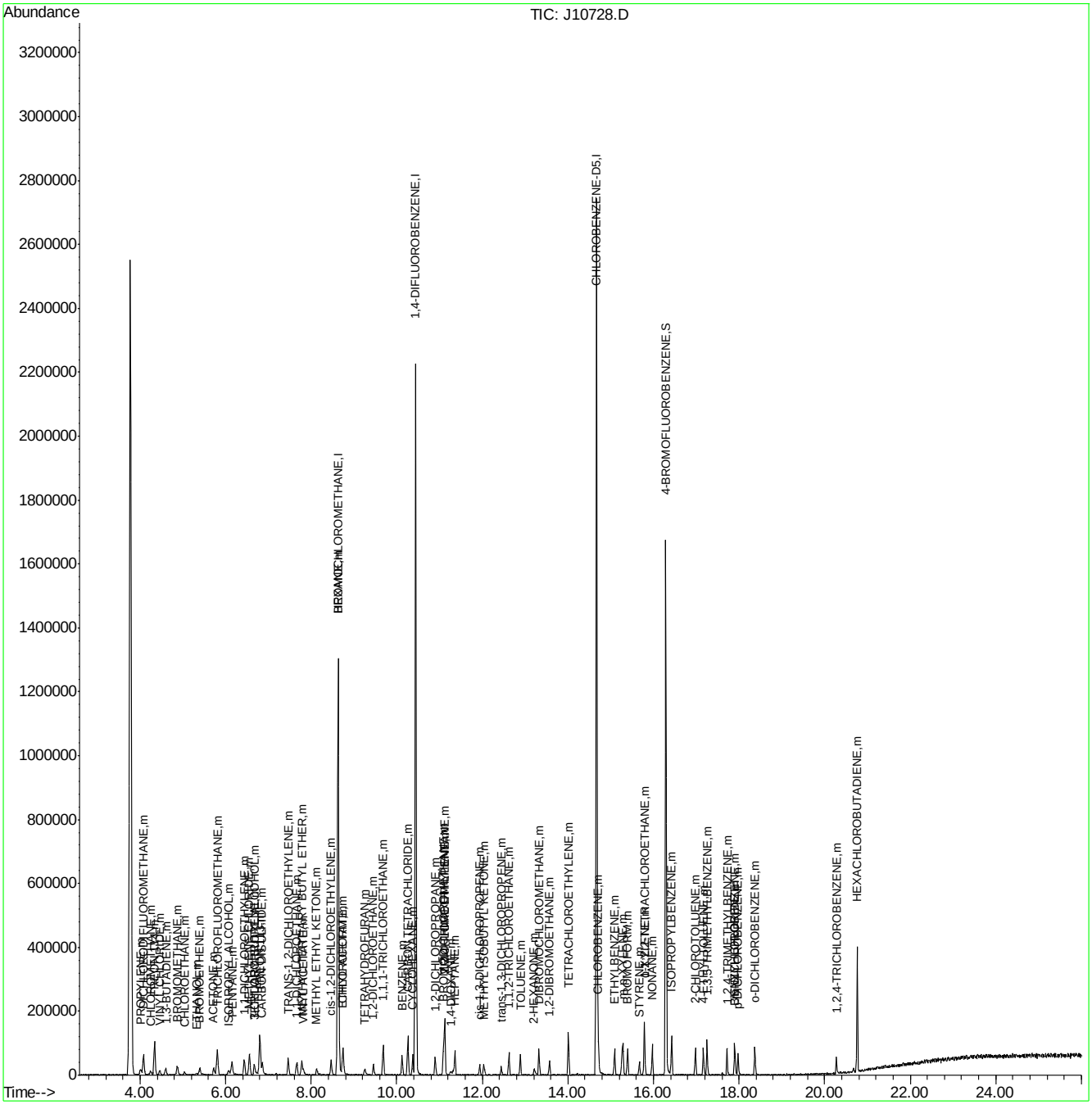
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	24698	0.39	PPBV		95
45) cis-1,3-DICHLOROPROPENE	11.94	75	16844	0.33	PPBV		88
46) TOLUENE	12.89	92	26767	0.36	PPBV		94
47) trans-1,3-DICHLOROPROPENE	12.44	75	14166	0.30	PPBV		95
48) 1,1,2-TRICHLOROETHANE	12.62	83	17057	0.41	PPBV		98
50) 2-HEXANONE	13.22	43	18677	0.35	PPBV		87
51) TETRACHLOROETHYLENE	14.01	164	30612	0.40	PPBV		99
52) DIBROMOCHLOROMETHANE	13.32	129	45123	0.42	PPBV		95
53) 1,2-DIBROMOETHANE	13.57	107	28799	0.39	PPBV		99
54) CHLOROBENZENE	14.71	112	48856	0.40	PPBV		97
55) ETHYLBENZENE	15.09	91	51948	0.35	PPBV		95
56) m,p-XYLENE	15.27	106	44391	0.70	PPBV	#	88
57) o-XYLENE	15.78	106	22211	0.35	PPBV		95
58) STYRENE	15.67	104	20198	0.26	PPBV		96
59) NONANE	15.97	43	24118	0.39	PPBV		96
60) BROMOFORM	15.39	173	41120	0.39	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	43884	0.45	PPBV		99
63) ISOPROPYLBENZENE	16.42	105	71515	0.40	PPBV		98
64) 2-CHLOROTOLUENE	16.98	91	43609	0.36	PPBV		96
65) 4-ETHYLTOLUENE	17.17	105	47199	0.28	PPBV		98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	56289	0.35	PPBV		99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	39940	0.28	PPBV		98
68) m-DICHLOROBENZENE	17.90	146	36865	0.31	PPBV		98
69) BENZYL CHLORIDE	17.89	91	17141	0.20	PPBV		96
70) p-DICHLOROBENZENE	17.97	146	29265	0.26	PPBV		96
71) o-DICHLOROBENZENE	18.37	146	36330	0.35	PPBV		99
72) HEXACHLOROBUTADIENE	20.76	225	63953	0.63	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	16862	0.34	PPBV		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10728.D
Acq On : 22 Jun 2007 9:26 am
Operator : danat
Sample : ic556-0.5 (m140)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 09:58:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 09:56:39 2007
Response via : Initial Calibration

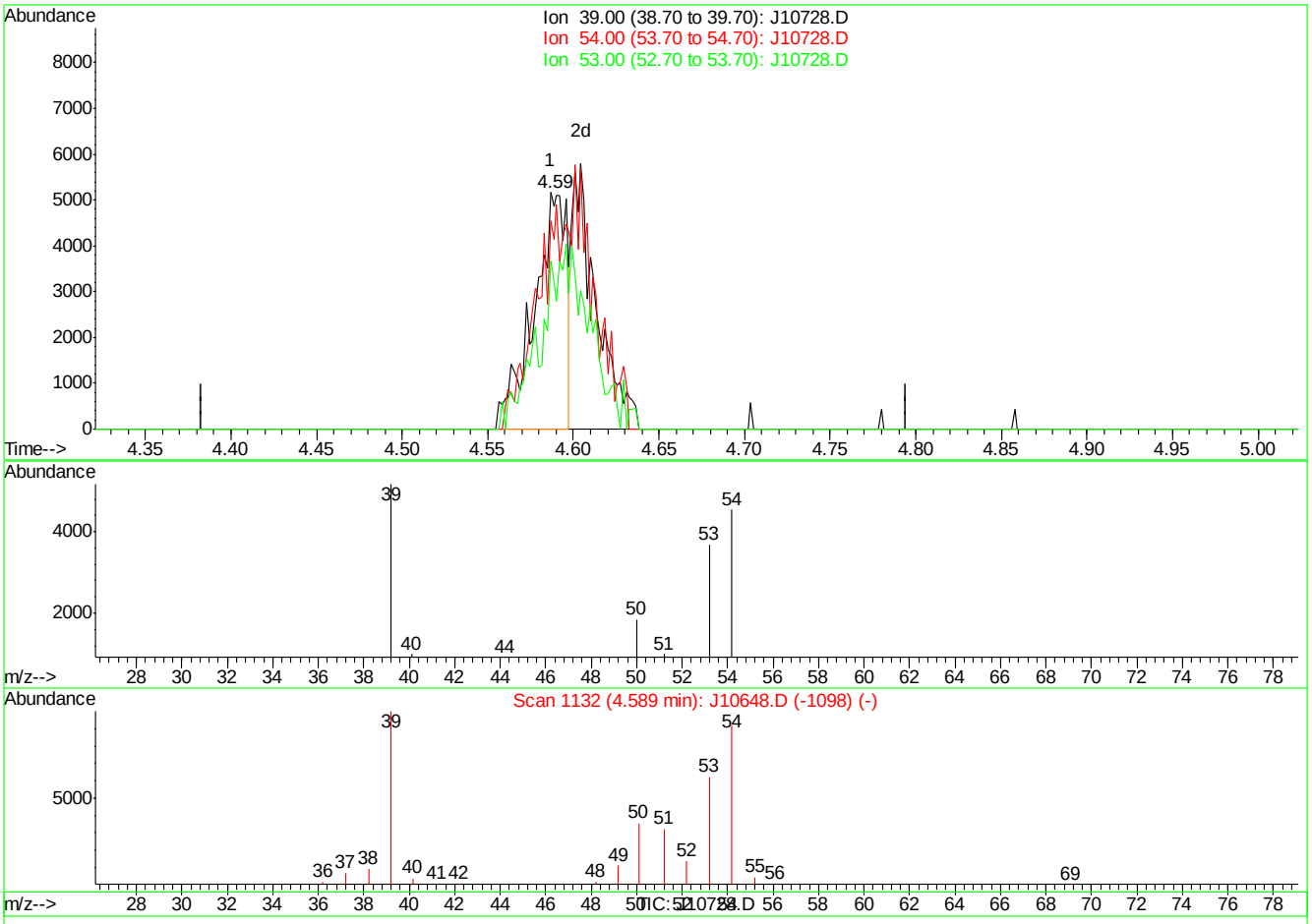


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.59min 0.24PPBV

response 6837

Ion	Exp%	Act%
39.00	100	100
54.00	94.20	91.52
53.00	65.20	0.00#
0.00	0.00	0.00

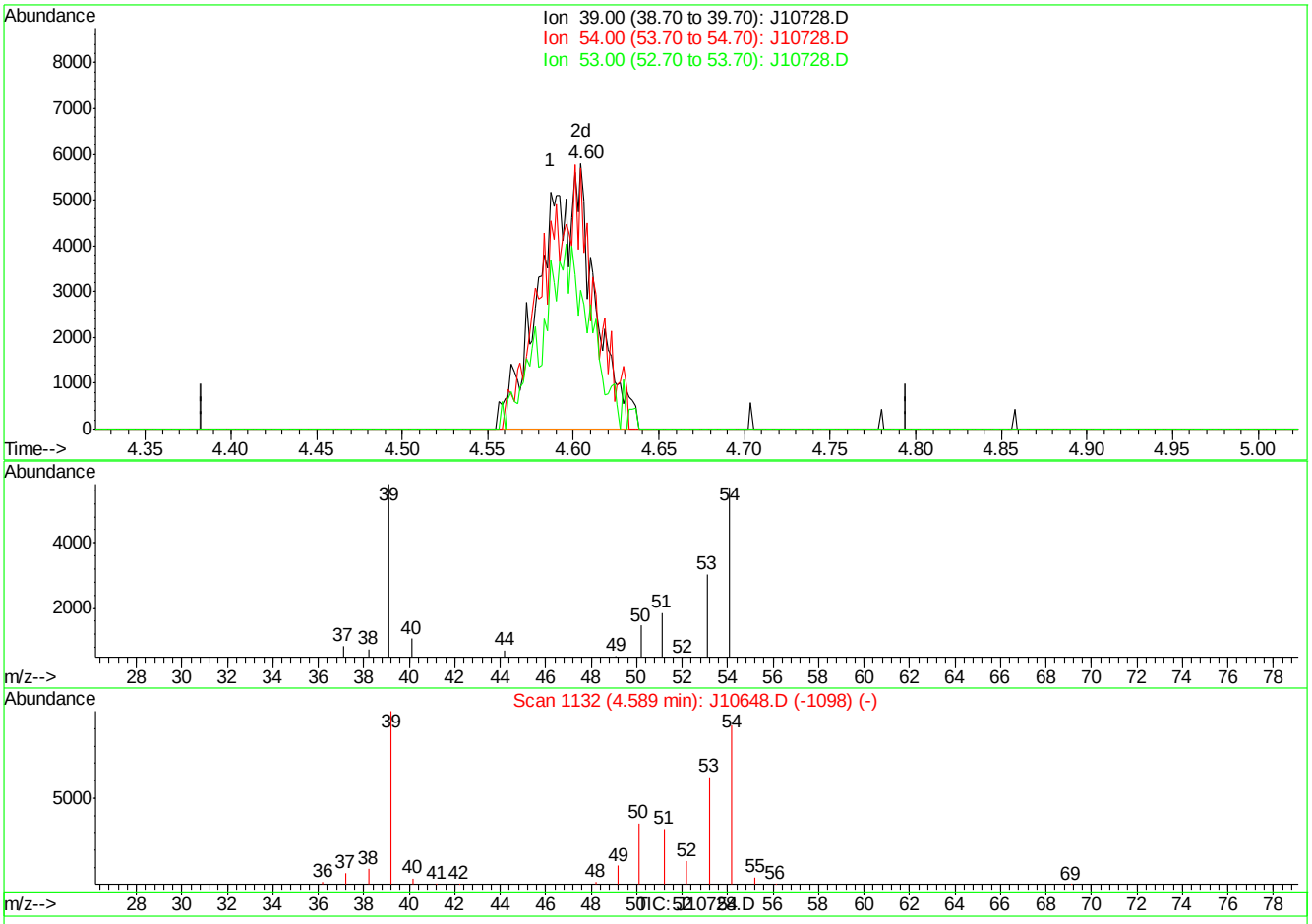
J10728.D J062207T.M Fri Jun 22 09:57:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.60min 0.44PPBV m

response 12568

Ion	Exp%	Act%
39.00	100	100
54.00	94.20	49.79#
53.00	65.20	0.00#
0.00	0.00	0.00

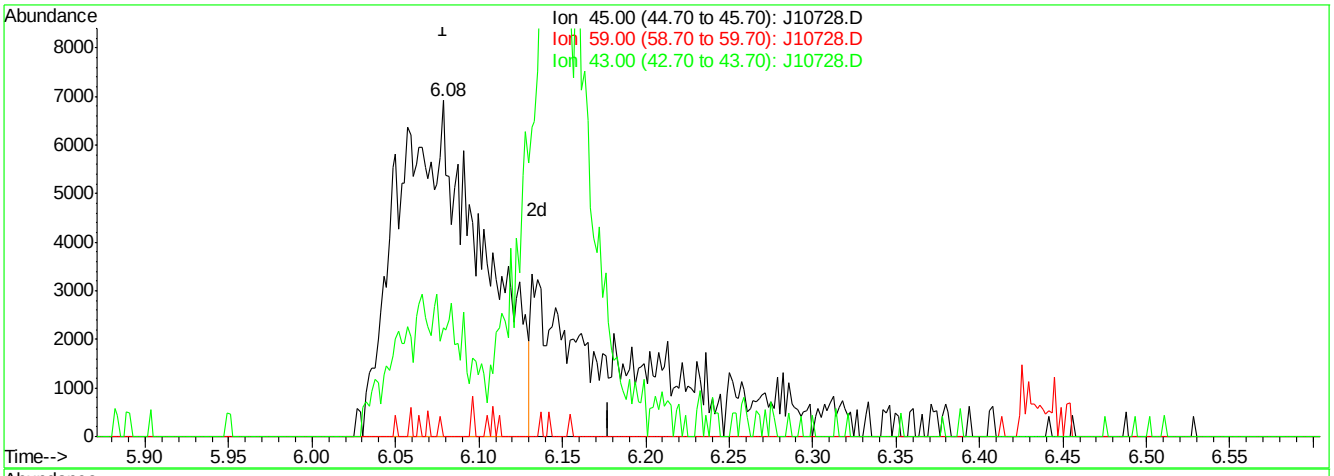
J10728.D J062207T.M Fri Jun 22 09:57:20 2007

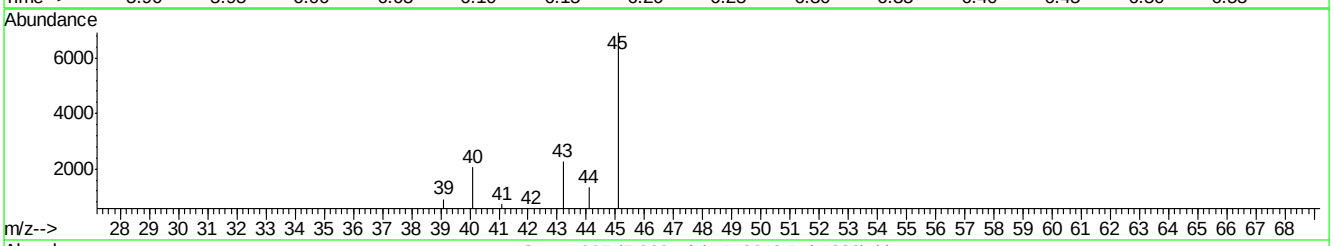
Quantitation Report (Qedit)

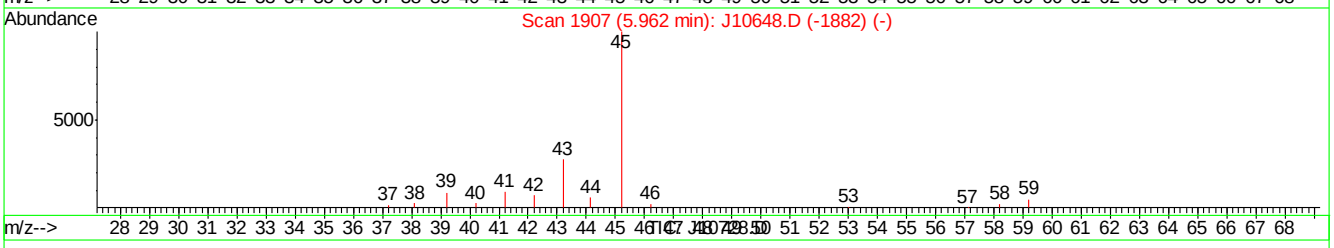
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.08min 0.48PPBV

response 24576

Ion	Exp%	Act%
45.00	100	100
59.00	5.10	0.00
43.00	27.70	32.51
0.00	0.00	0.00

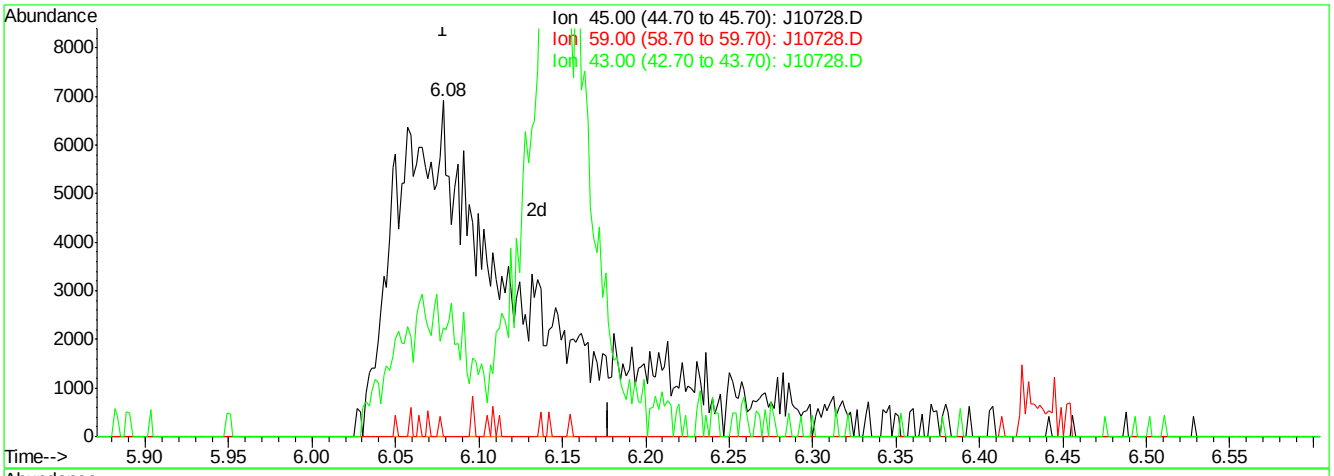
J10728.D J062207T.M Fri Jun 22 09:57:34 2007

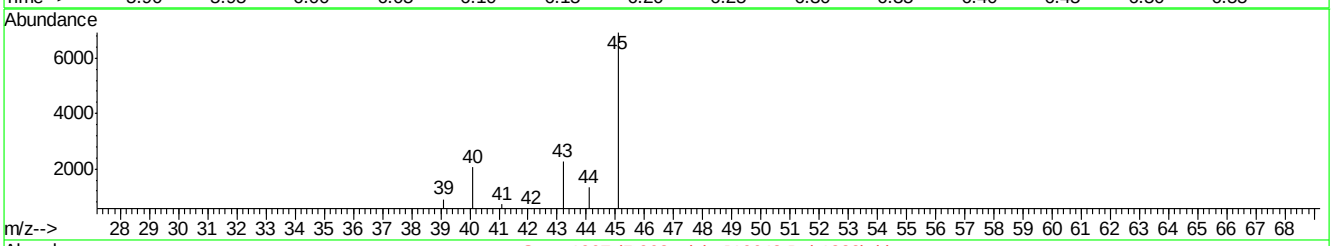
Quantitation Report (Qedit)

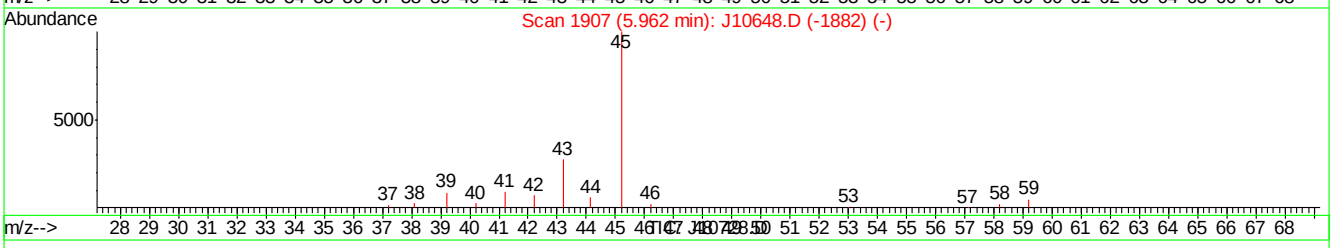
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.08min 0.69PPBV m

response 35483

Ion	Exp%	Act%
45.00	100	100
59.00	5.10	0.00
43.00	27.70	32.51
0.00	0.00	0.00

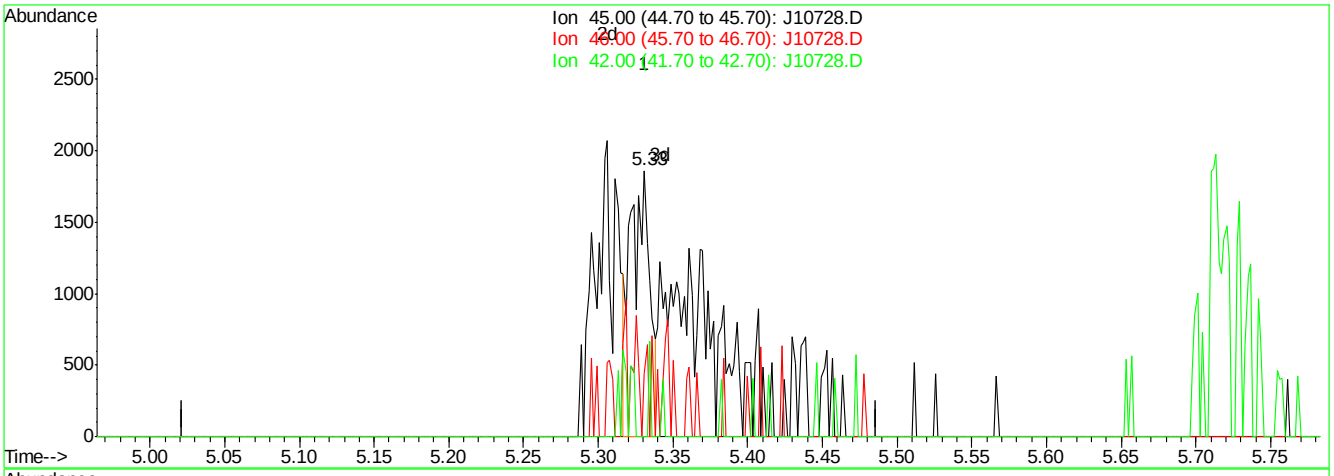
J10728.D J062207T.M Fri Jun 22 09:57:40 2007

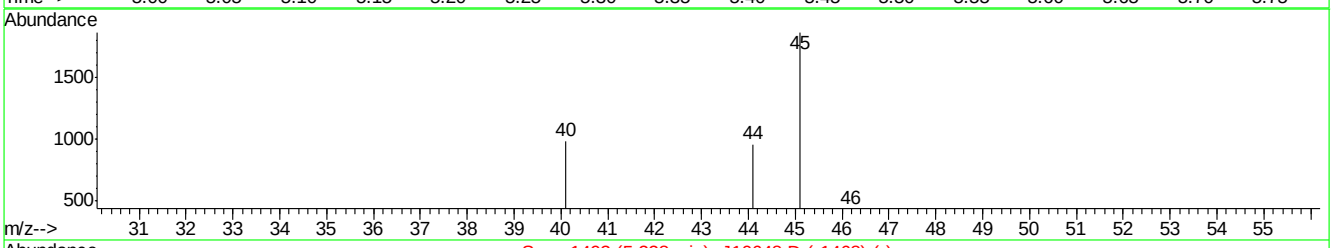
Quantitation Report (Qedit)

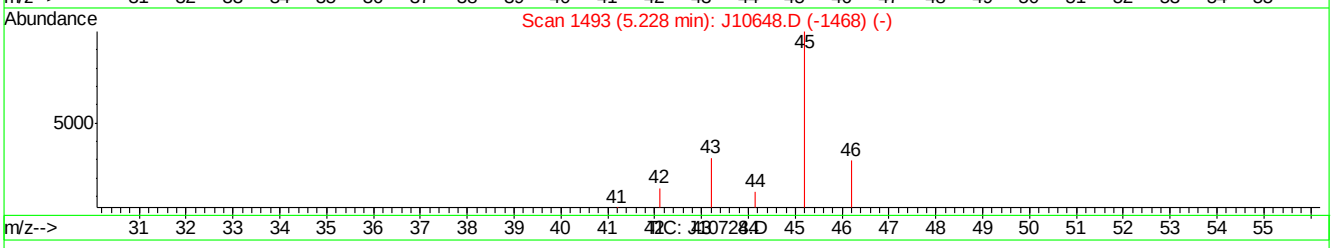
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.33min 0.17PPBV

response 1620

Ion	Exp%	Act%
45.00	100	100
46.00	33.70	26.85
42.00	5.10	4.38
0.00	0.00	0.00

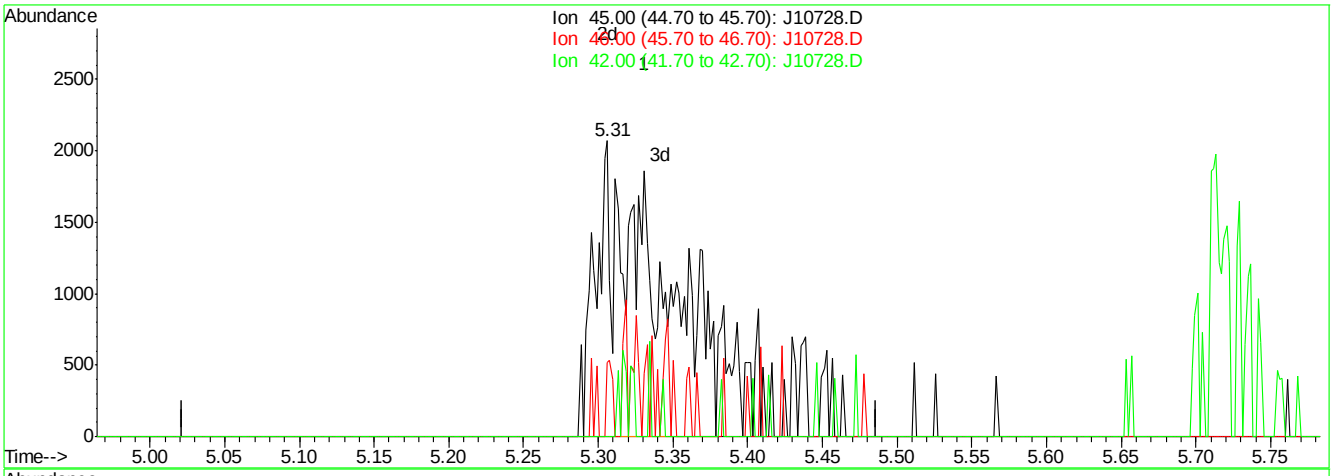
J10728.D J062207T.M Fri Jun 22 09:57:50 2007

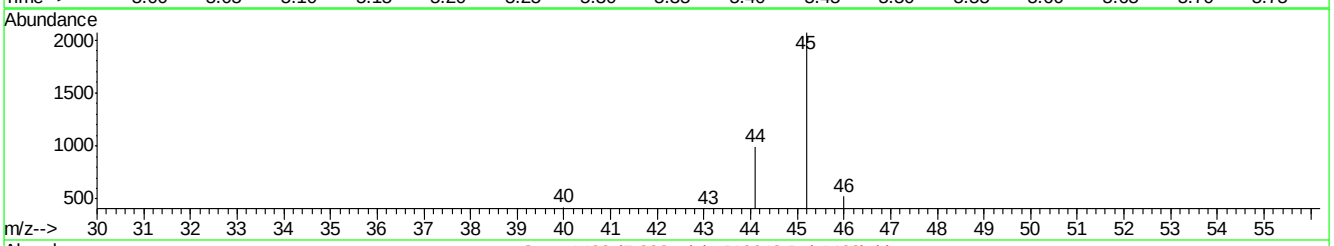
Quantitation Report (Qedit)

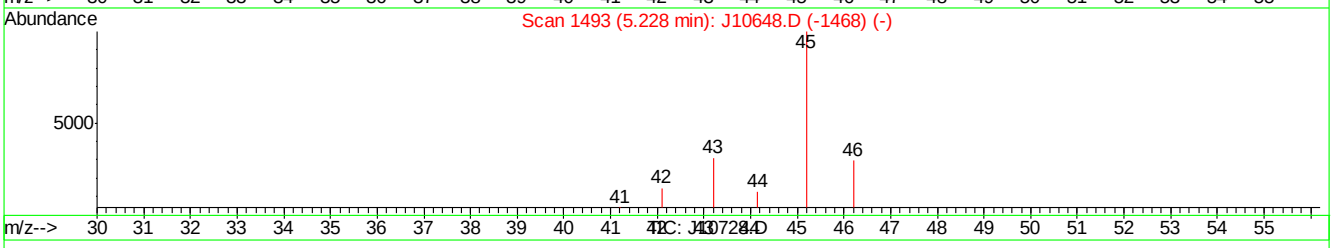
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.31min 0.60PPBV m

response 5785

Ion	Exp%	Act%
45.00	100	100
46.00	33.70	7.52#
42.00	5.10	1.23
0.00	0.00	0.00

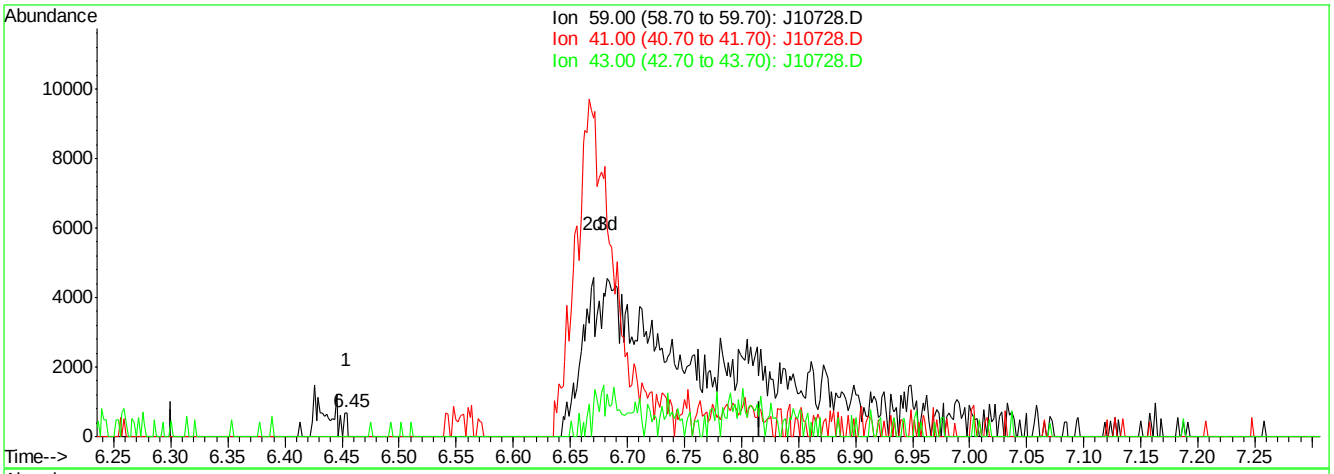
J10728.D J062207T.M Fri Jun 22 09:58:02 2007

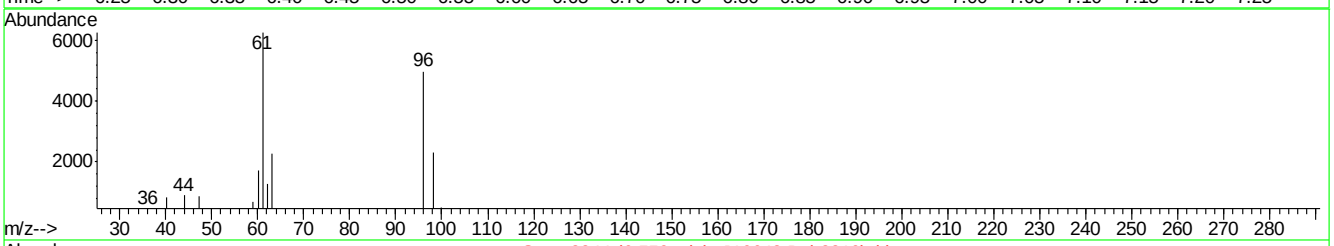
Quantitation Report (Qedit)

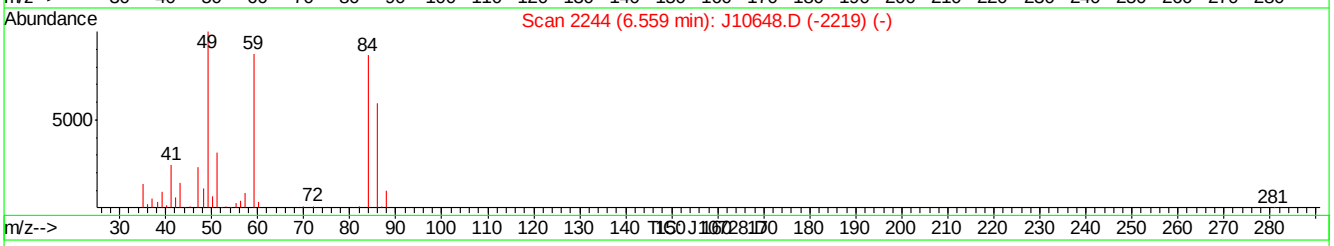
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.45min 0.00PPBV

response 143

Ion	Exp%	Act%
59.00	100	100
41.00	24.40	0.00#
43.00	18.50	0.00
0.00	0.00	0.00

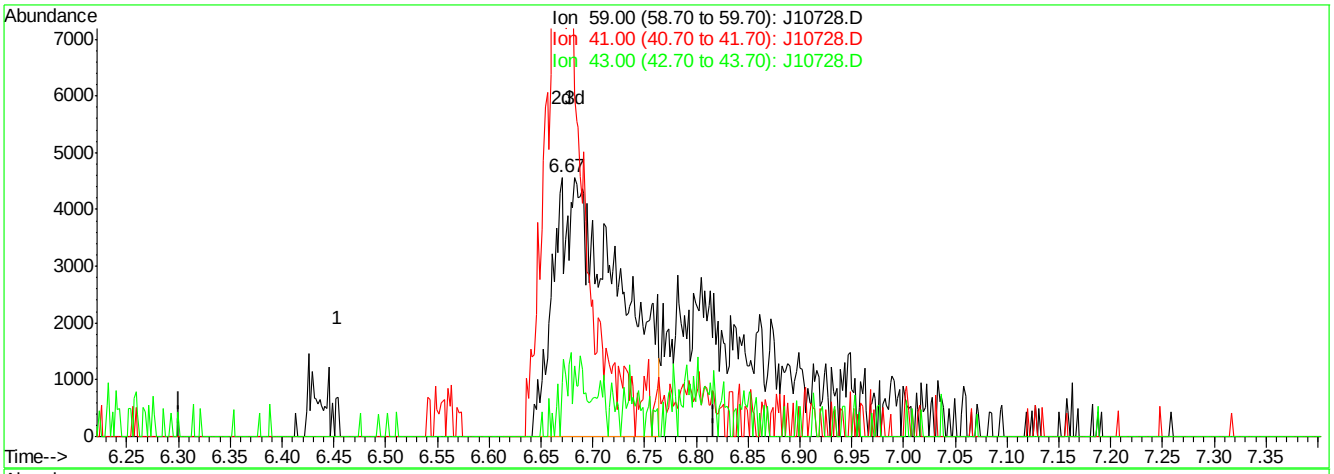
J10728.D J062207T.M Fri Jun 22 09:58:14 2007

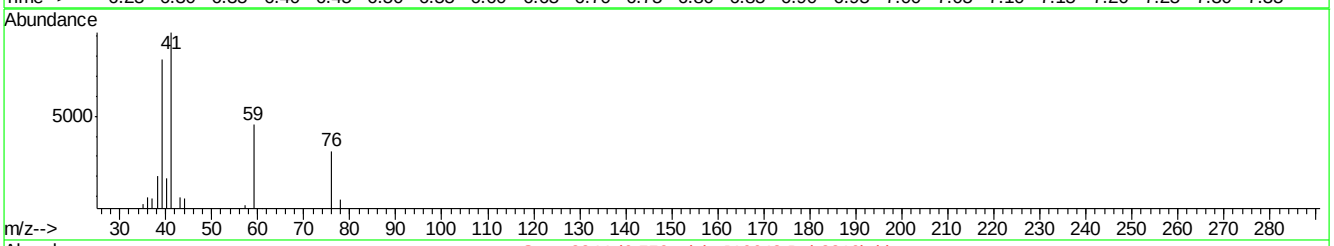
Quantitation Report (Qedit)

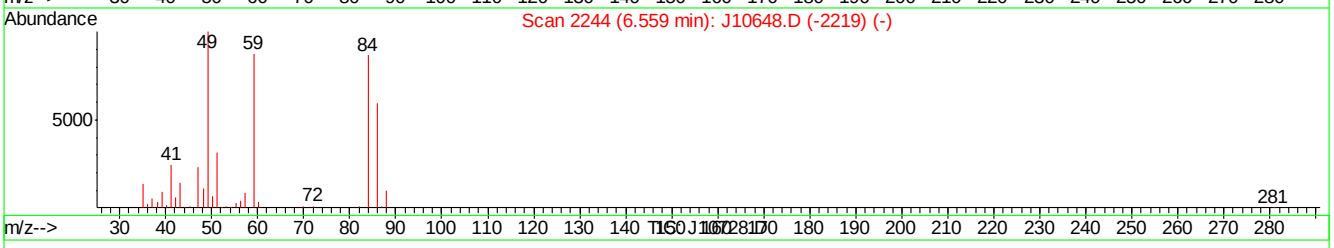
Data File : C:\MSDChem\1\data\J10728.D Vial: 1
Acq On : 22 Jun 2007 9:26 am Operator: danat
Sample : ic556-0.5 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 09:56:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.67min 0.31PPBV m

response 19929

Ion	Exp%	Act%
59.00	100	100
41.00	24.40	0.00#
43.00	18.50	0.00
0.00	0.00	0.00

J10728.D J062207T.M Fri Jun 22 09:58:33 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/26/07 15:46

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10729.D
Acq On : 22 Jun 2007 10:16 am
Operator : danat
Sample : ic556-0.2 (m140)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 10:49:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 09:56:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	376183	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1706067	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1365497	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	383012	4.69	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 93.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	24671	0.16	PPBV	96
4) FREON 114	4.34	85	21275	0.15	PPBV	98
5) CHLOROMETHANE	4.25	50	5206	0.15	PPBV	77
6) VINYL CHLORIDE	4.46	62	4913	0.12	PPBV #	80
8) BROMOMETHANE	4.88	94	6807m	0.14	PPBV	
9) CHLOROETHANE	5.03	64	2240	0.12	PPBV #	64
10) TRICHLOROFLUOROMETHANE	5.81	101	25304	0.16	PPBV	94
12) ACETONE	5.75	43	12042	0.25	PPBV	80
13) PENTANE	6.15	42	5222m	0.15	PPBV	
14) 1,1-DICHLOROETHYLENE	6.43	96	6473	0.14	PPBV #	91
15) CARBON DISULFIDE	6.86	76	19877	0.15	PPBV	91
17) BROMOETHENE	5.40	106	5811	0.13	PPBV #	93
18) METHYLENE CHLORIDE	6.56	84	14706	0.25	PPBV	95
20) FREON 113	6.80	151	15623	0.15	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	5672	0.13	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.81	73	10568	0.14	PPBV #	66
25) HEXANE	8.63	57	9190	0.19	PPBV	88
26) VINYL ACETATE	7.84	43	7066	0.14	PPBV	77
27) 1,1-DICHLOROETHANE	7.66	63	10900	0.15	PPBV	80
28) METHYL ETHYL KETONE	8.17	43	7880	0.16	PPBV #	52
29) cis-1,2-DICHLOROETHYLENE	8.46	96	5534	0.13	PPBV	93
30) ETHYL ACETATE	8.64	43	6699	0.13	PPBV #	100
31) CHLOROFORM	8.74	83	15382	0.16	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.68	97	16085	0.14	PPBV	97
33) CARBON TETRACHLORIDE	10.26	117	21091	0.15	PPBV	98
34) 1,2-DICHLOROETHANE	9.46	62	8105	0.15	PPBV	95
36) BENZENE	10.12	78	12752	0.11	PPBV	89
38) TRICHLOROETHYLENE	11.11	95	6572	0.11	PPBV	95
39) 1,2-DICHLOROPROPANE	10.90	63	4658	0.13	PPBV	87
40) BROMODICHLOROMETHANE	11.09	83	12369	0.12	PPBV	96
46) TOLUENE	12.88	92	6529	0.09	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.62	83	4371	0.11	PPBV	89
51) TETRACHLOROETHYLENE	14.01	164	8917	0.13	PPBV	98
52) DIBROMOCHLOROMETHANE	13.32	129	11396	0.12	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	6271	0.10	PPBV #	89
54) CHLOROBENZENE	14.71	112	12698	0.12	PPBV	89
56) m,p-XYLENE	15.28	106	8255m	0.15	PPBV	
60) BROMOFORM	15.39	173	9997	0.11	PPBV	91
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	8771	0.10	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10729.D
Acq On : 22 Jun 2007 10:16 am
Operator : danat
Sample : ic556-0.2 (m140)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 10:49:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 09:56:39 2007
Response via : Initial Calibration

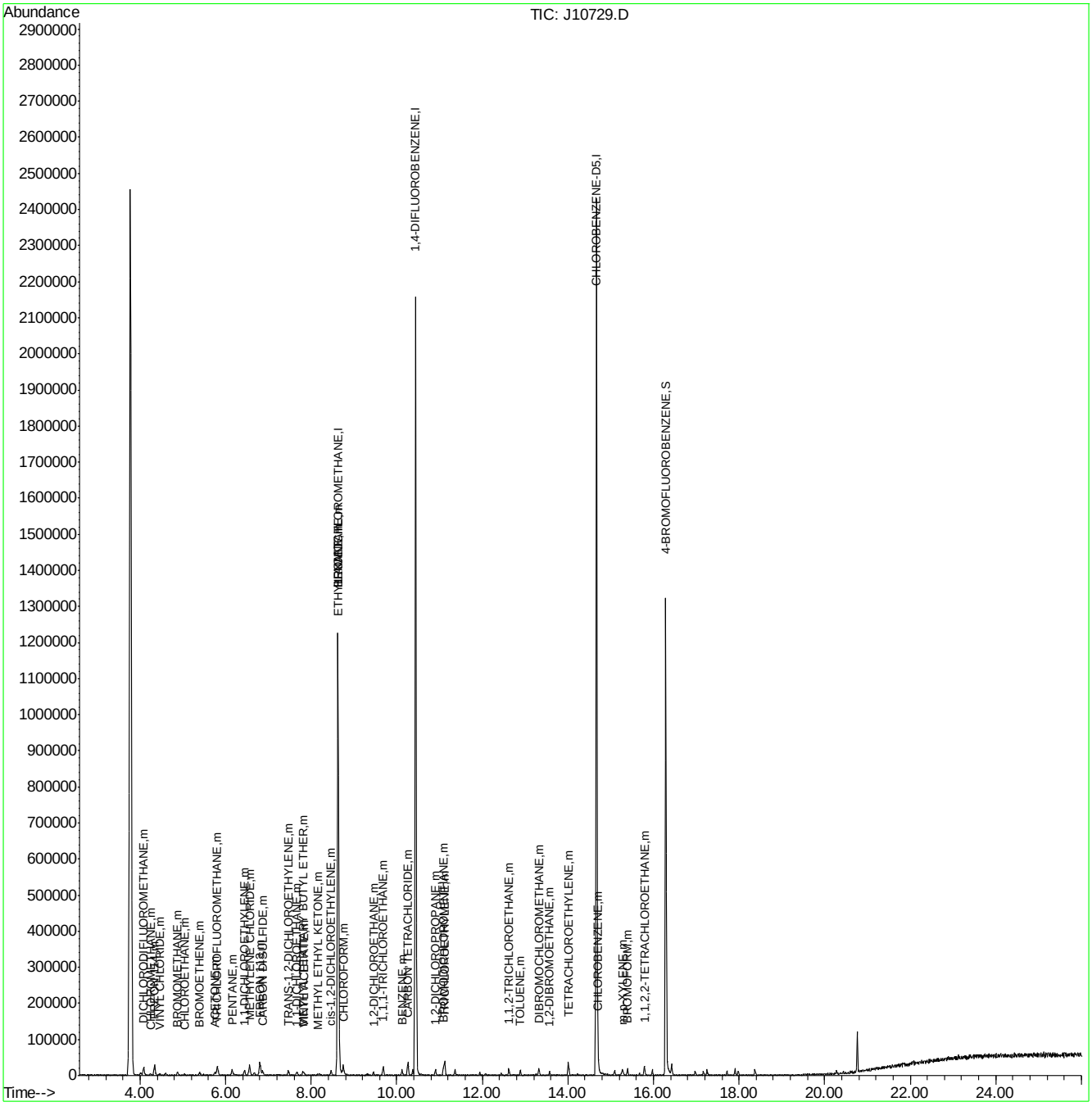
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10729.D
Acq On : 22 Jun 2007 10:16 am
Operator : danat
Sample : ic556-0.2 (m140)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 10:49:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 09:56:39 2007
Response via : Initial Calibration



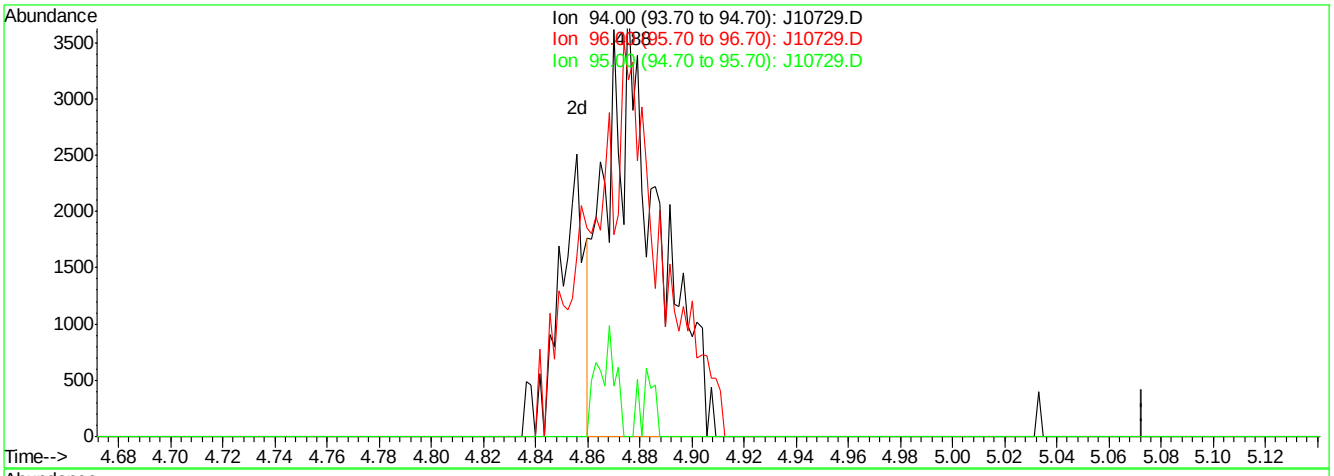
ACCUTEST Laboratories M66000R

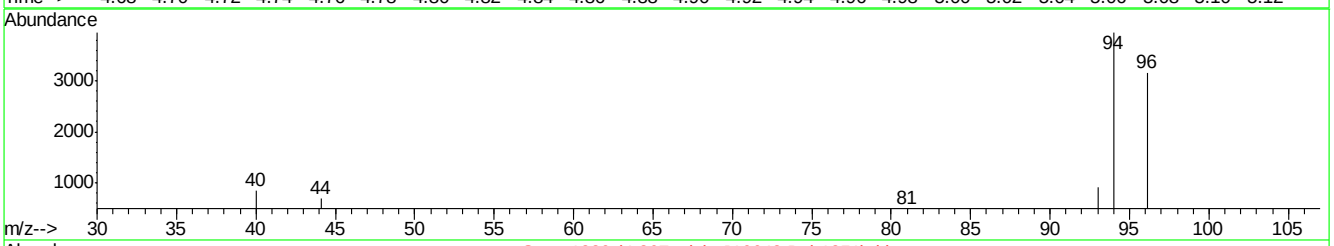
Quantitation Report (Qedit)

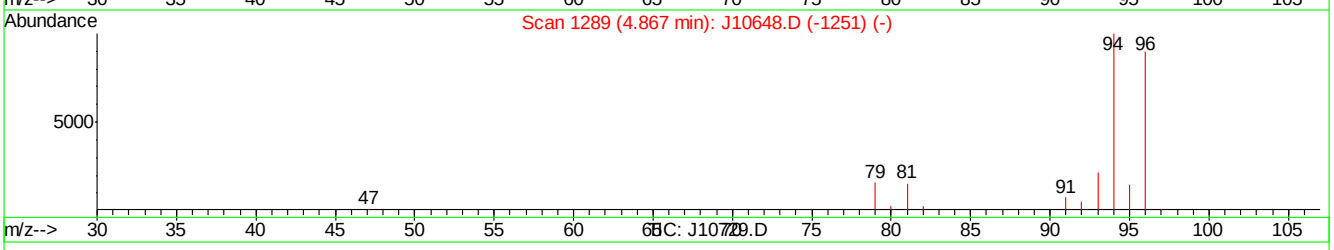
Data File : C:\MSDCHEM\1\DATA\J10729.D Vial: 1
Acq On : 22 Jun 2007 10:16 am Operator: danat
Sample : ic556-0.2 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 10:46:14 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(8) BROMOMETHANE (m)

4.88min 0.11PPBV

response 5285

Ion	Exp%	Act%
94.00	100	100
96.00	93.70	124.18#
95.00	15.50	8.55
0.00	0.00	0.00

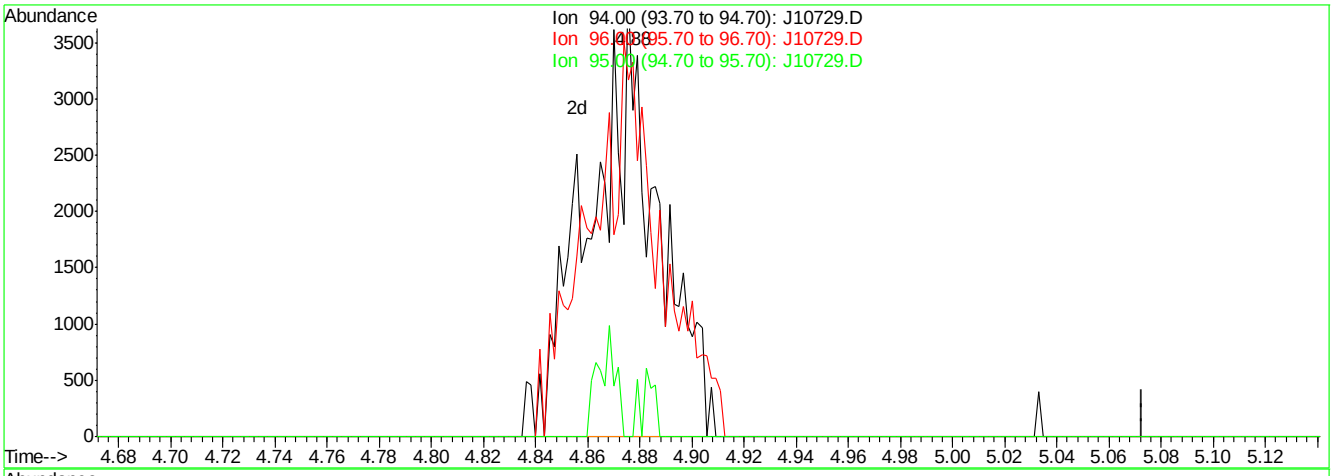
J10729.D J062207T.M Fri Jun 22 10:46:55 2007

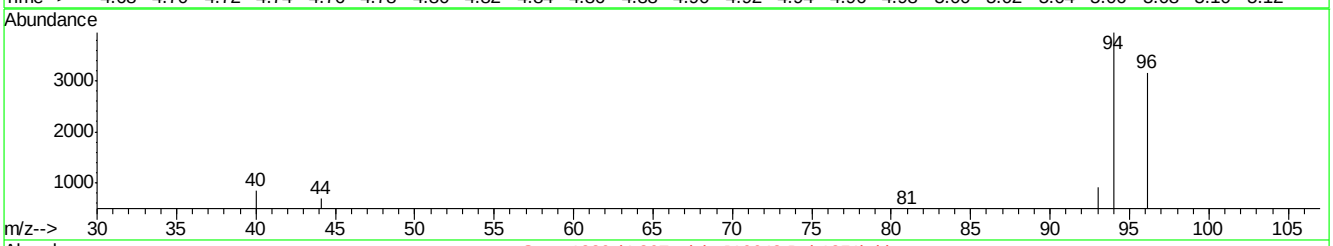
Quantitation Report (Qedit)

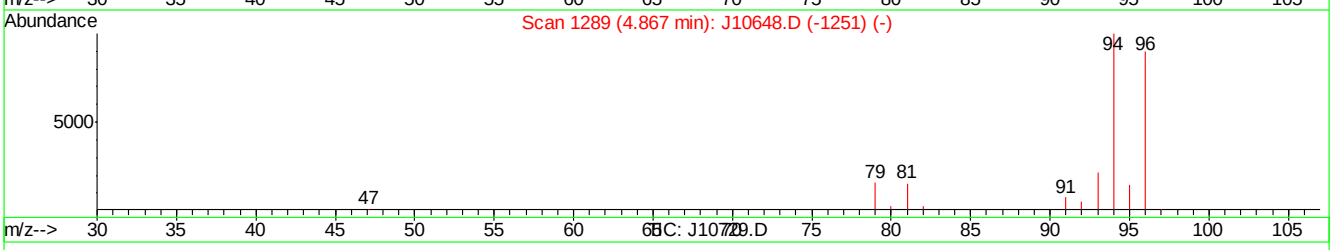
Data File : C:\MSDCHEM\1\DATA\J10729.D Vial: 1
Acq On : 22 Jun 2007 10:16 am Operator: danat
Sample : ic556-0.2 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 10:46:14 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(8) BROMOMETHANE (m)

4.88min 0.14PPBV m

response 6807

Ion	Exp%	Act%
94.00	100	100
96.00	93.70	96.42
95.00	15.50	6.64
0.00	0.00	0.00

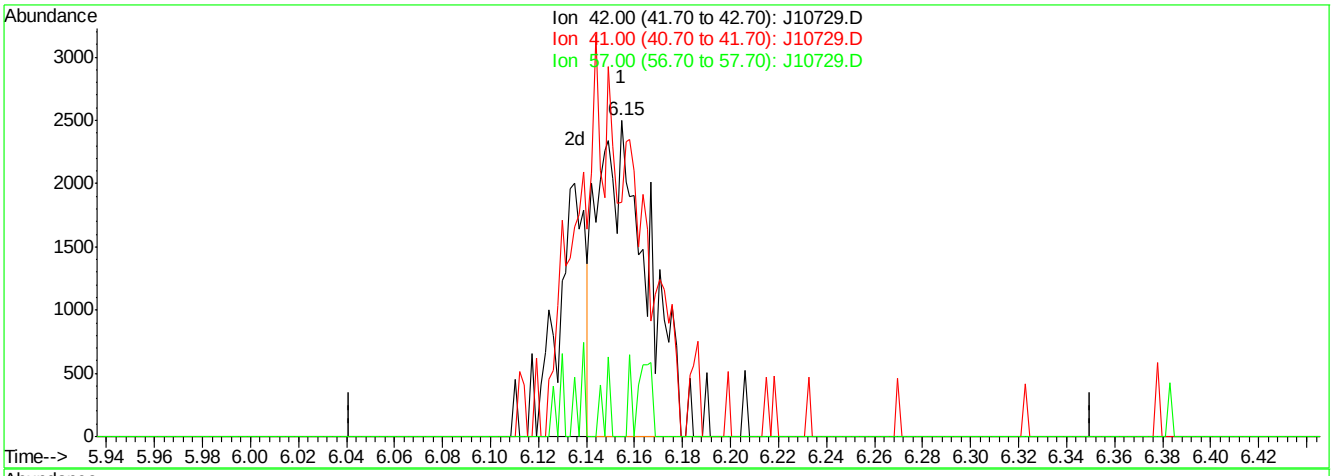
J10729.D J062207T.M Fri Jun 22 10:47:01 2007

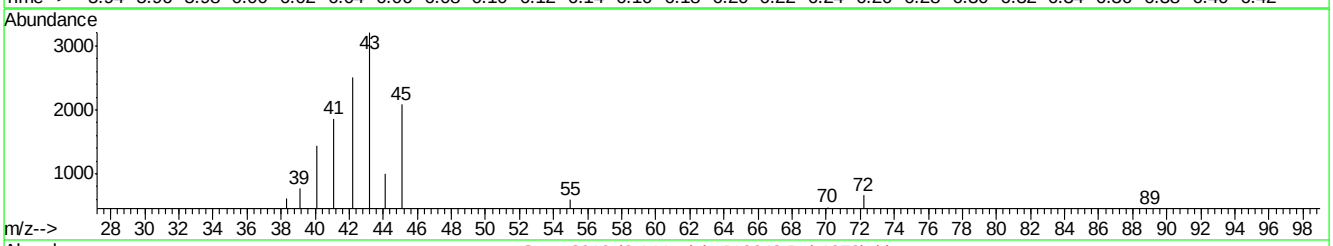
Quantitation Report (Qedit)

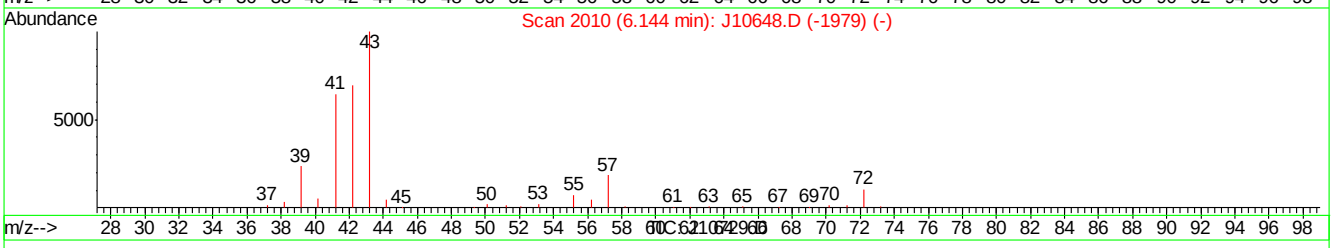
Data File : C:\MSDCHEM\1\DATA\J10729.D Vial: 1
Acq On : 22 Jun 2007 10:16 am Operator: danat
Sample : ic556-0.2 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 10:46:14 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(13) PENTANE (m)

6.15min 0.11PPBV

response 3652

Ion	Exp%	Act%
42.00	100	100
41.00	95.90	149.21#
57.00	25.60	8.08
0.00	0.00	0.00

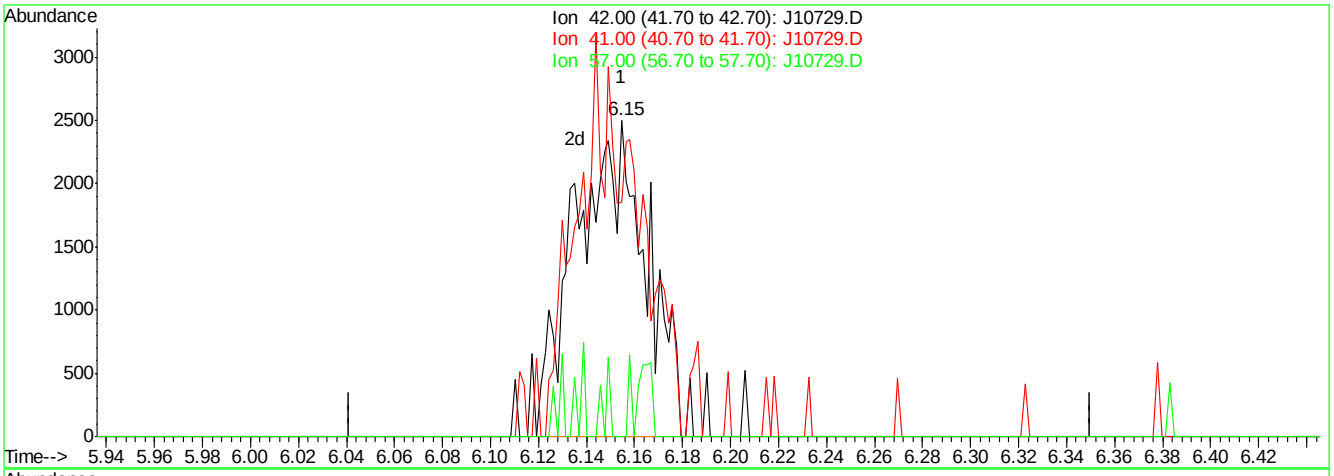
J10729.D J062207T.M Fri Jun 22 10:47:16 2007

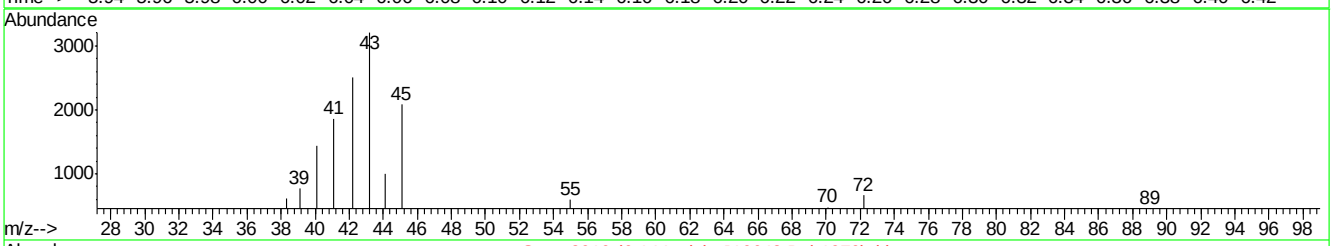
Quantitation Report (Qedit)

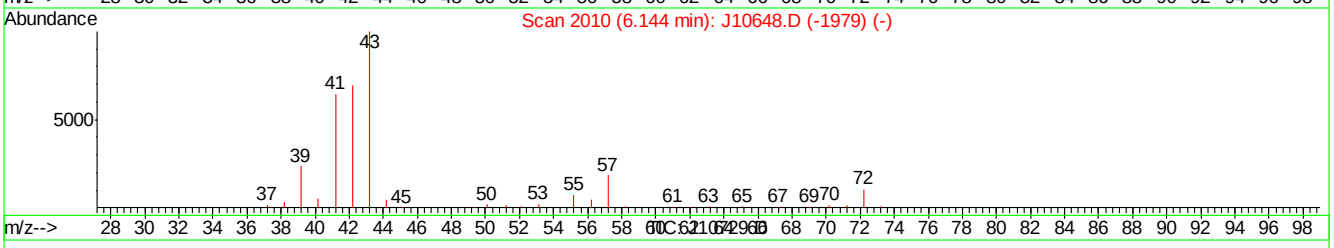
Data File : C:\MSDCHEM\1\DATA\J10729.D Vial: 1
Acq On : 22 Jun 2007 10:16 am Operator: danat
Sample : ic556-0.2 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 10:46:14 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(13) PENTANE (m)

6.15min 0.15PPBV m

response 5222

Ion	Exp%	Act%
42.00	100	100
41.00	95.90	104.35
57.00	25.60	5.65
0.00	0.00	0.00

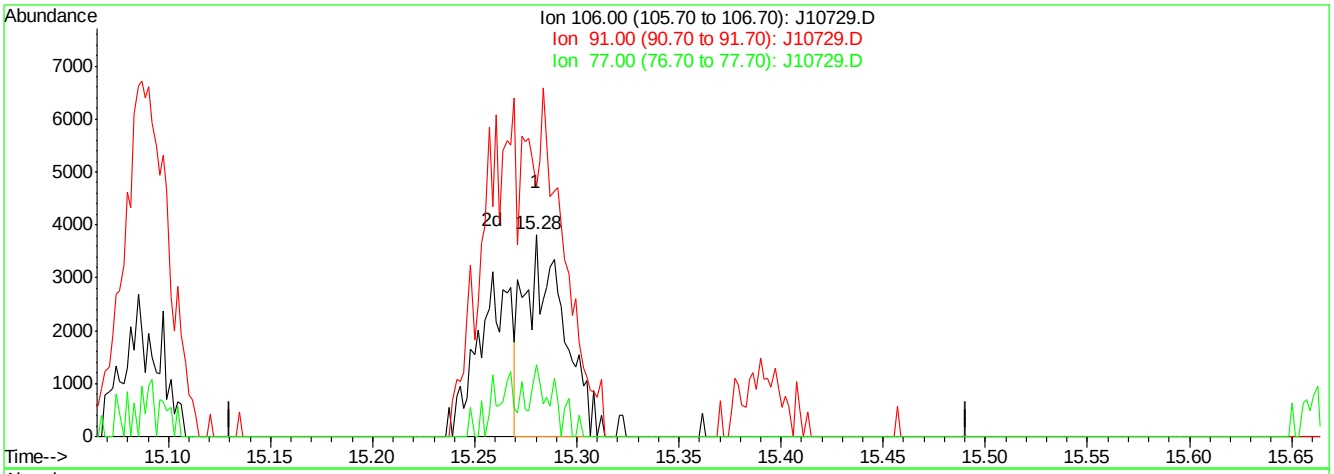
J10729.D J062207T.M Fri Jun 22 10:47:21 2007

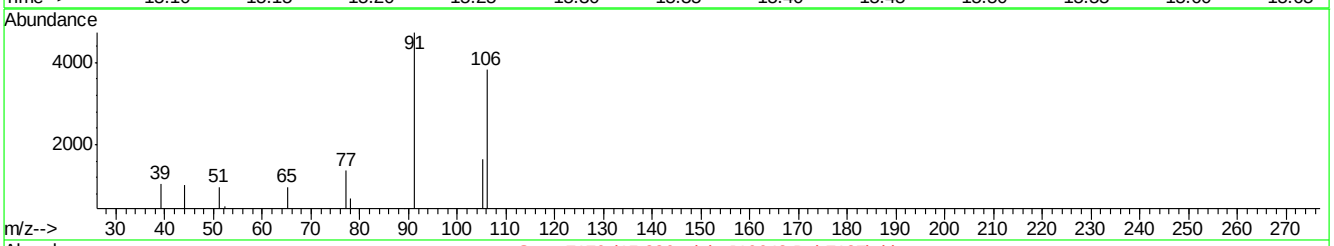
Quantitation Report (Qedit)

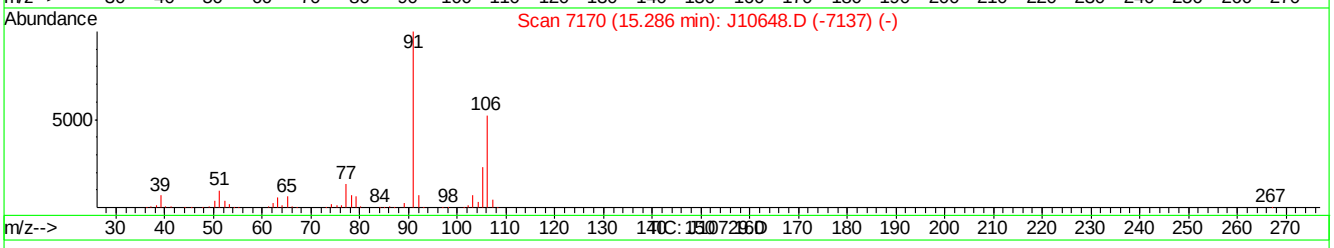
Data File : C:\MSDCHEM\1\DATA\J10729.D Vial: 1
Acq On : 22 Jun 2007 10:16 am Operator: danat
Sample : ic556-0.2 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 10:46:14 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.09PPBV

response 5033

Ion	Exp%	Act%
106.00	100	100
91.00	191.40	123.66#
77.00	25.70	35.62#
0.00	0.00	0.00

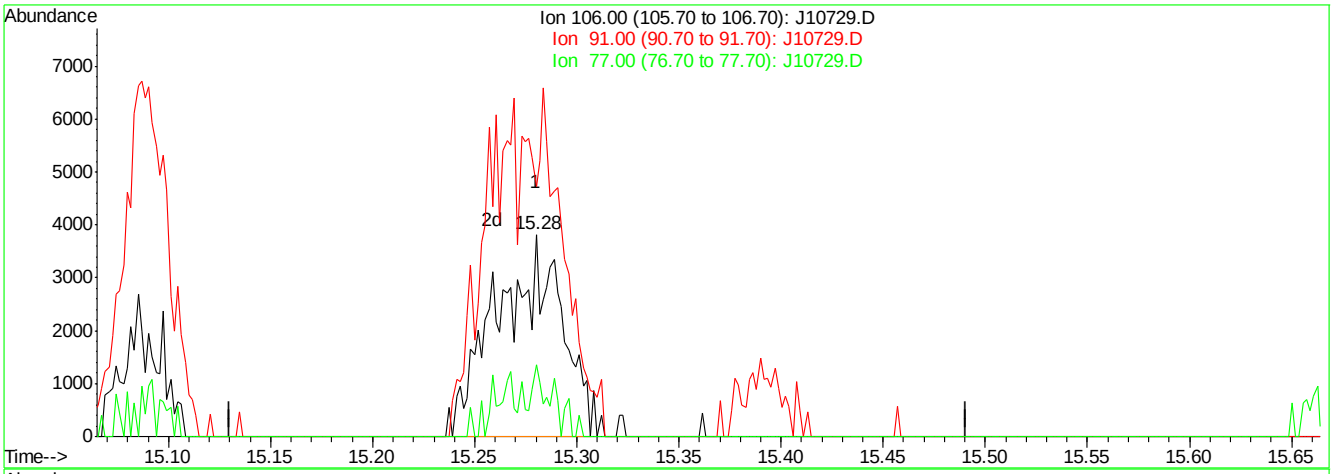
J10729.D J062207T.M Fri Jun 22 10:48:58 2007

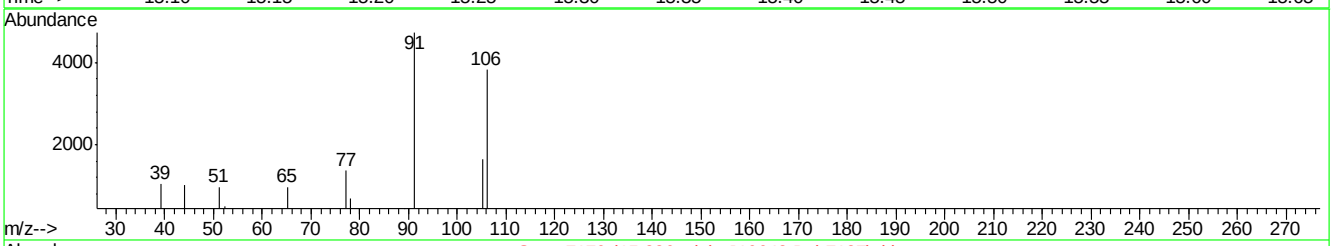
Quantitation Report (Qedit)

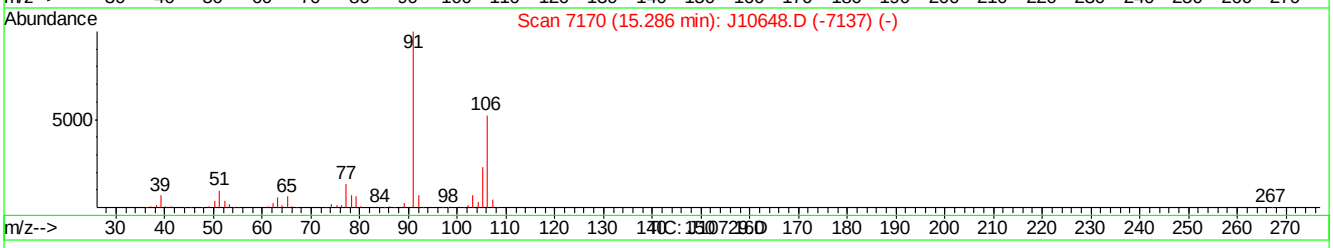
Data File : C:\MSDCHEM\1\DATA\J10729.D Vial: 1
Acq On : 22 Jun 2007 10:16 am Operator: danat
Sample : ic556-0.2 (m140) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 10:46:14 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 09:56:39 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.15PPBV m

response 8255

Ion	Exp%	Act%
106.00	100	100
91.00	191.40	123.66#
77.00	25.70	35.62#
0.00	0.00	0.00

J10729.D J062207T.M Fri Jun 22 10:49:04 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/26/07 15:46

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10731.D
Acq On : 22 Jun 2007 11:55 am
Operator : danat
Sample : ic556-40 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:15:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 11:34:20 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	344414	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.47	114	1429822	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.70	117	1373956	10.00	PPBV	0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.33	95	462808	5.61	PPBV	0.03

Spiked Amount 5.000 Range 51 - 142 Recovery = 112.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	4963338	38.19	PPBV	100
3) PROPYLENE	4.00	41	808437	42.22	PPBV	99
4) FREON 114	4.33	85	4338074	37.68	PPBV	100
5) CHLOROMETHANE	4.24	50	1041926	37.51	PPBV	99
6) VINYL CHLORIDE	4.45	62	1285570	42.81	PPBV	98
7) 1,3-BUTADIENE	4.59	39	981441	41.76	PPBV	97
8) BROMOMETHANE	4.86	94	1485916	38.59	PPBV	99
9) CHLOROETHANE	5.03	64	620899	42.30	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.79	101	5291687	37.77	PPBV	99
11) ISOPROPYL ALCOHOL	6.08	45	1749347m	31.51	PPBV	
12) ACETONE	5.66	43	1749236	29.31	PPBV	96
13) PENTANE	6.14	42	1129611	39.37	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.43	96	1536779	43.59	PPBV	93
15) CARBON DISULFIDE	6.85	76	4103769	38.93	PPBV	97
16) ETHANOL	5.25	45	287425	29.32	PPBV #	87
17) BROMOETHENE	5.38	106	1566338	45.14	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	1353087	21.68	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	1448366	47.14	PPBV #	23
20) FREON 113	6.79	151	3385465	39.15	PPBV	98
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1537567	44.98	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.68	59	2418786m	55.14	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.74	73	3461873	49.68	PPBV	98
24) TETRAHYDROFURAN	9.19	42	1065577	49.02	PPBV	99
25) HEXANE	8.64	57	1636753	34.88	PPBV	97
26) VINYL ACETATE	7.82	43	2241728	53.56	PPBV	96
27) 1,1-DICHLOROETHANE	7.67	63	2549029	39.97	PPBV	100
28) METHYL ETHYL KETONE	8.11	43	2060440	43.54	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	1532689	45.93	PPBV	95
30) ETHYL ACETATE	8.73	43	2230905	47.25	PPBV	100
31) CHLOROFORM	8.76	83	3546011	40.42	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	4255684	43.09	PPBV	100
33) CARBON TETRACHLORIDE	10.27	117	5093848	43.31	PPBV	100
34) 1,2-DICHLOROETHANE	9.48	62	2210811	44.53	PPBV	99
36) BENZENE	10.14	78	3920592	50.34	PPBV	99
37) CYCLOHEXANE	10.38	84	1776021	49.90	PPBV	100
38) TRICHLOROETHYLENE	11.14	95	1973871	48.38	PPBV	99
39) 1,2-DICHLOROPROPANE	10.93	63	1260826	48.11	PPBV	96
40) BROMODICHLOROMETHANE	11.12	83	3486702	47.96	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.14	57	5566599	42.30	PPBV	99
42) 1,4-DIOXANE	11.22	88	807649	38.10	PPBV	94
43) HEPTANE	11.38	43	1841537	42.98	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10731.D
Acq On : 22 Jun 2007 11:55 am
Operator : danat
Sample : ic556-40 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:15:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 11:34:20 2007
Response via : Initial Calibration

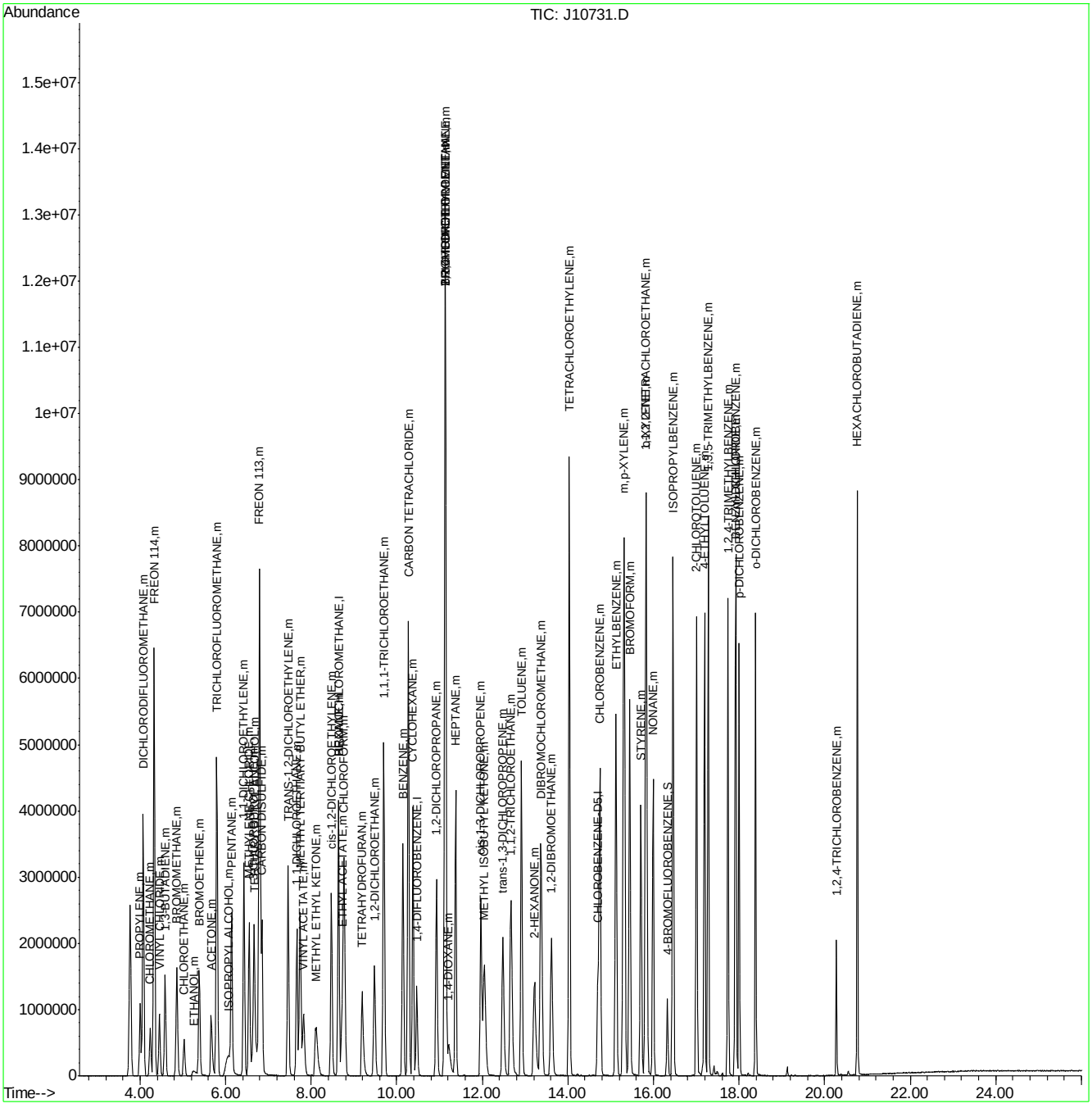
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.04	43	2449709	50.24 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.97	75	2075246	62.21 PPBV #	56
46) TOLUENE	12.91	92	2808316	62.51 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.48	75	2094895	72.94 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.67	83	1349444	50.82 PPBV	99
50) 2-HEXANONE	13.22	43	2173166	55.19 PPBV	99
51) TETRACHLOROETHYLENE	14.03	164	2628816	46.65 PPBV	99
52) DIBROMOCHLOROMETHANE	13.37	129	3746942	47.09 PPBV	100
53) 1,2-DIBROMOETHANE	13.61	107	2723559	54.44 PPBV	99
54) CHLOROBENZENE	14.75	112	3883389	44.72 PPBV	100
55) ETHYLBENZENE	15.12	91	5902436	59.93 PPBV	100
56) m,p-XYLENE	15.31	106	4517297	109.02 PPBV	99
57) o-XYLENE	15.82	106	2320371	57.23 PPBV	100
58) STYRENE	15.70	104	3022523	60.83 PPBV	99
59) NONANE	15.99	43	1970845	34.11 PPBV	100
60) BROMOFORM	15.45	173	4035271m	54.82 PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.84	83	3219979	44.11 PPBV	99
63) ISOPROPYLBENZENE	16.46	105	6913414	43.41 PPBV	100
64) 2-CHLOROTOLUENE	17.01	91	4467388	44.42 PPBV	100
65) 4-ETHYLTOLUENE	17.19	105	5358475	45.81 PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.28	105	5259279	40.63 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	4211616	40.27 PPBV	99
68) m-DICHLOROBENZENE	17.92	146	3096685	39.72 PPBV	99
69) BENZYL CHLORIDE	17.91	91	2736485	73.32 PPBV	100
70) p-DICHLOROBENZENE	18.00	146	2791593	46.72 PPBV	100
71) o-DICHLOROBENZENE	18.39	146	2830846	36.74 PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	1586563	11.88 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	584865	17.72 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10731.D
Acq On : 22 Jun 2007 11:55 am
Operator : danat
Sample : ic556-40 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:15:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 11:34:20 2007
Response via : Initial Calibration

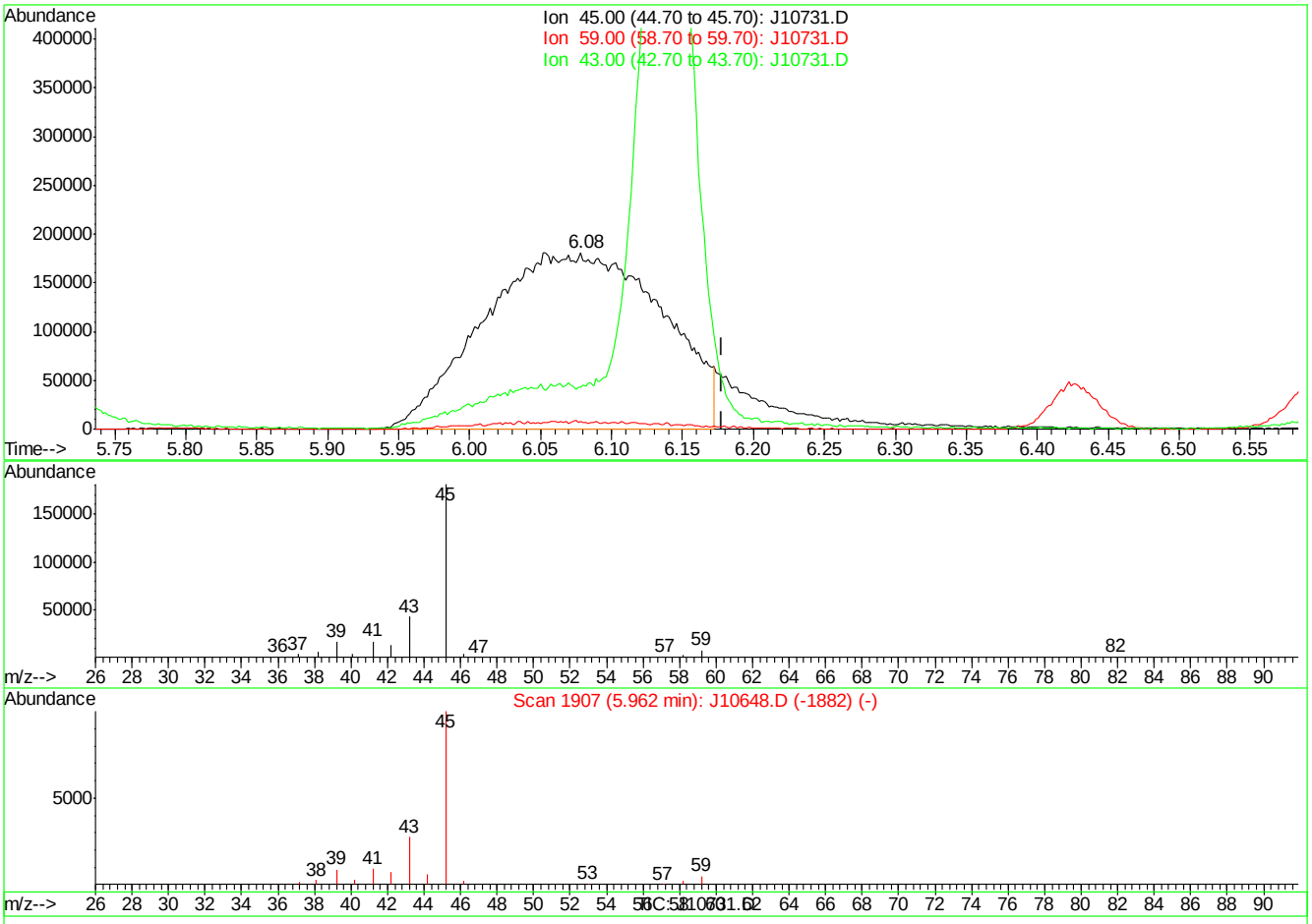


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10731.D Vial: 2
Acq On : 22 Jun 2007 11:55 am Operator: danat
Sample : ic556-40 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:13:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 11:34:20 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

6.08min 28.62PPBV

response 1588926

Ion	Exp%	Act%
45.00	100	100
59.00	5.10	4.09
43.00	27.70	23.64
0.00	0.00	0.00

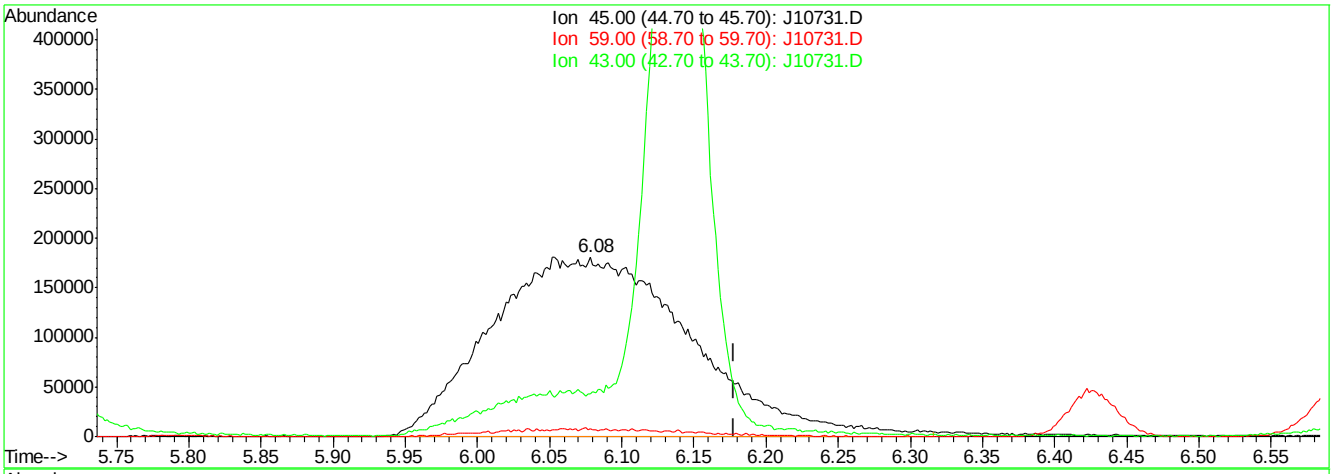
J10731.D J062207T.M Fri Jun 22 13:14:26 2007

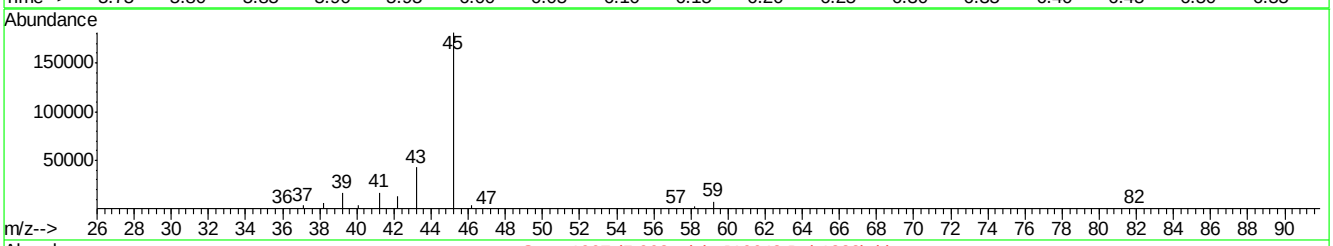
Quantitation Report (Qedit)

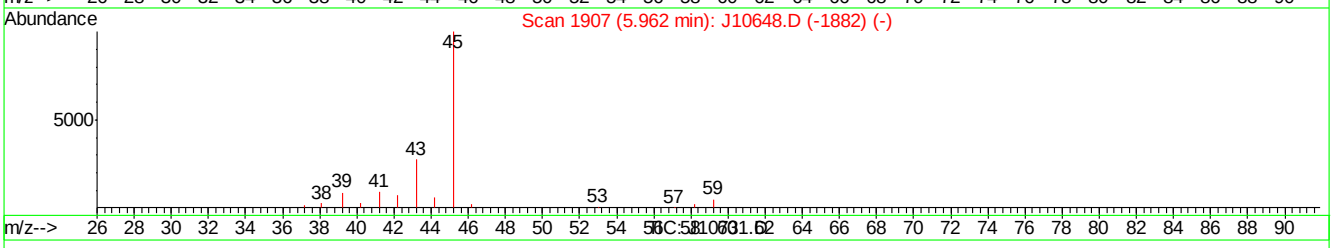
Data File : C:\MSDCHEM\1\DATA\J10731.D Vial: 2
Acq On : 22 Jun 2007 11:55 am Operator: danat
Sample : ic556-40 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:13:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 11:34:20 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.08min 31.51PPBV m

response 1749347

Ion	Exp%	Act%
45.00	100	100
59.00	5.10	4.09
43.00	27.70	23.64
0.00	0.00	0.00

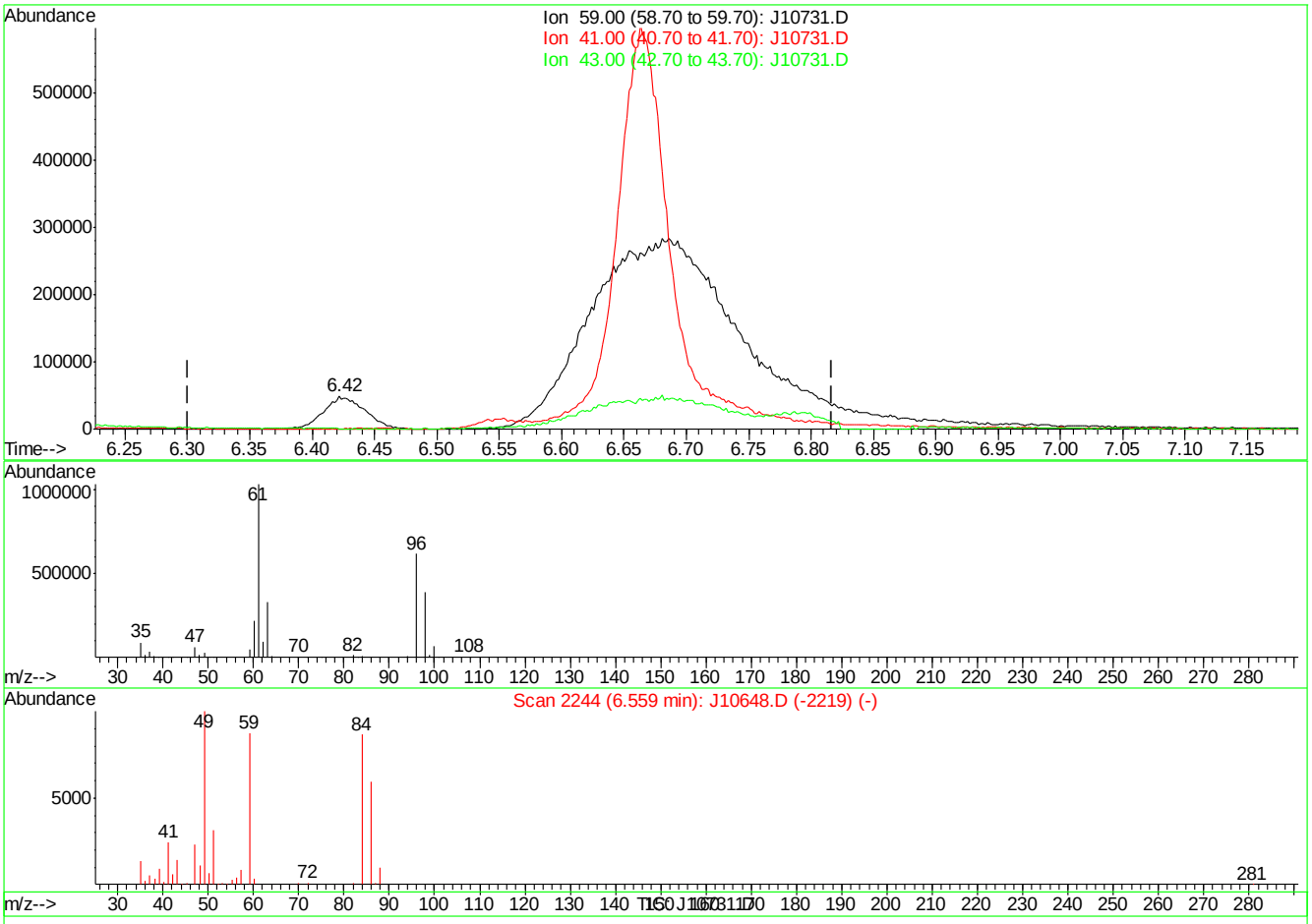
J10731.D J062207T.M Fri Jun 22 13:14:32 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10731.D Vial: 2
Acq On : 22 Jun 2007 11:55 am Operator: danat
Sample : ic556-40 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:13:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 11:34:20 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.42min 2.51PPBV

response 110292

Ion	Exp%	Act%
59.00	100	100
41.00	24.40	0.00#
43.00	18.50	0.99
0.00	0.00	0.00

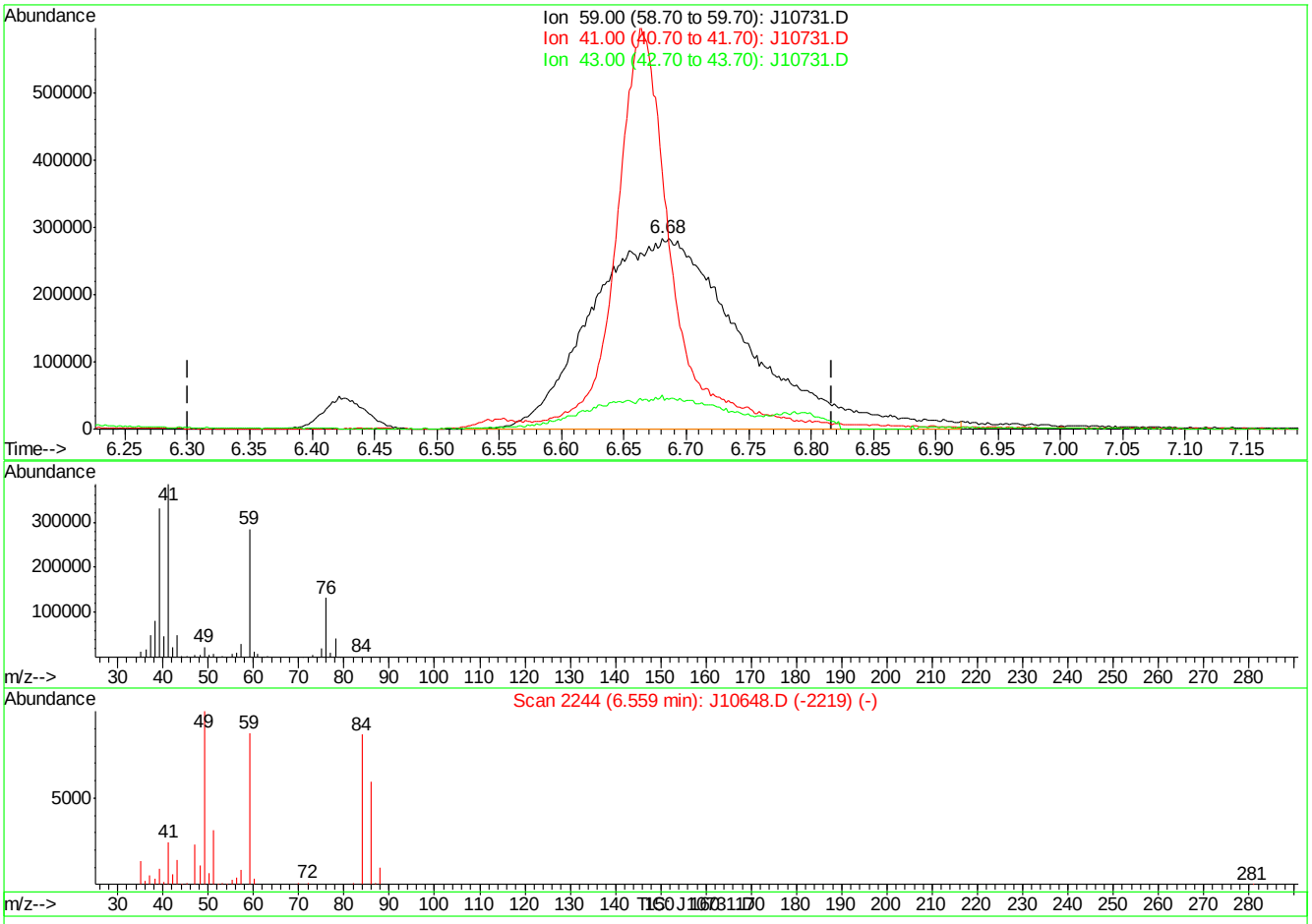
J10731.D J062207T.M Fri Jun 22 13:14:51 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10731.D Vial: 2
Acq On : 22 Jun 2007 11:55 am Operator: danat
Sample : ic556-40 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:13:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 11:34:20 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.68min 55.14PPBV m

response 2418786

Ion	Exp%	Act%
59.00	100	100
41.00	24.40	0.00#
43.00	18.50	0.05
0.00	0.00	0.00

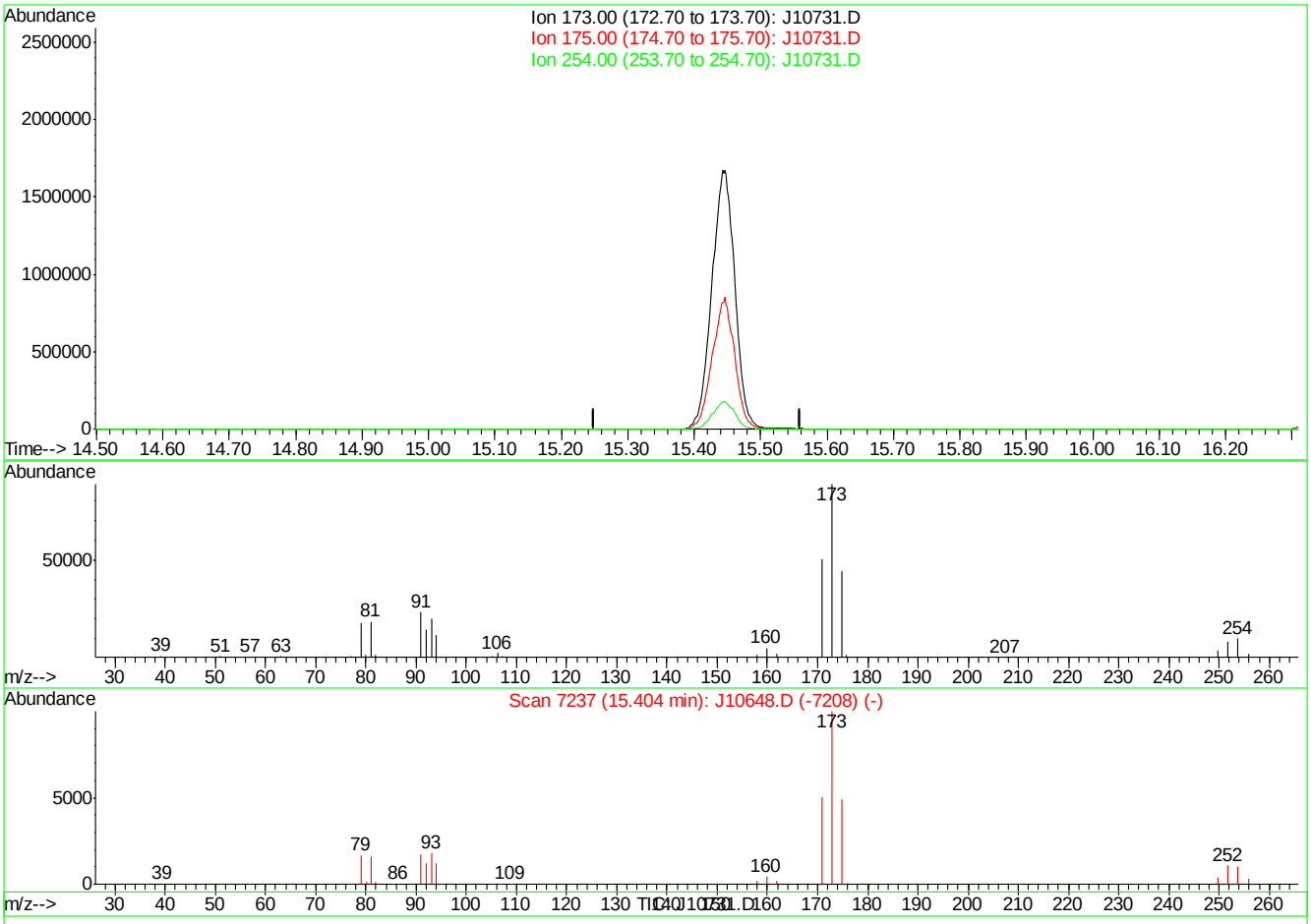
J10731.D J062207T.M Fri Jun 22 13:14:57 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10731.D Vial: 2
Acq On : 22 Jun 2007 11:55 am Operator: danat
Sample : ic556-40 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:13:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 11:34:20 2007
Response via : Multiple Level Calibration



(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	48.60	0.00#
254.00	10.60	0.00
0.00	0.00	0.00

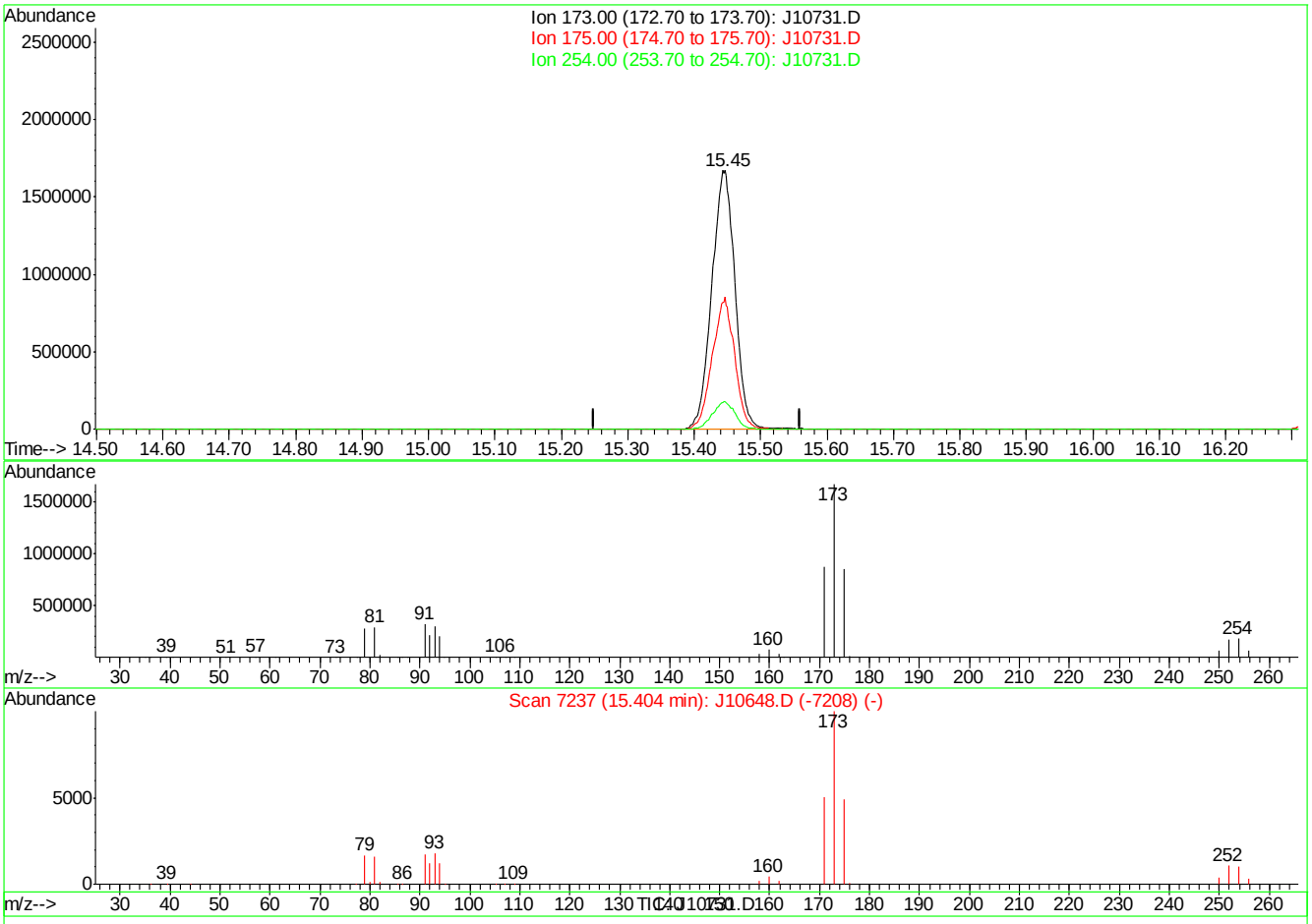
J10731.D J062207T.M Fri Jun 22 13:15:30 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10731.D Vial: 2
Acq On : 22 Jun 2007 11:55 am Operator: danat
Sample : ic556-40 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:13:50 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 11:34:20 2007
Response via : Multiple Level Calibration



(60) BROMOFORM (m)

15.45min 54.82PPBV m

response 4035271

Ion	Exp%	Act%
173.00	100	100
175.00	48.60	0.00#
254.00	10.60	0.00
0.00	0.00	0.00

J10731.D J062207T.M Fri Jun 22 13:15:36 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/26/07 15:46

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10732.D
Acq On : 22 Jun 2007 12:44 pm
Operator : danat
Sample : ic556-20 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:18:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 13:16:04 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	347194	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.46	114	1342564	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.69	117	1160072	10.00	PPBV	0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.31	95	379802	5.29	PPBV	0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 105.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	1897013	14.64	PPBV	100
3) PROPYLENE	4.01	41	284005	14.45	PPBV	97
4) FREON 114	4.34	85	1701105	14.87	PPBV	97
5) CHLOROMETHANE	4.24	50	374099	13.57	PPBV	98
6) VINYL CHLORIDE	4.46	62	487373	15.82	PPBV	98
7) 1,3-BUTADIENE	4.60	39	366886	15.26	PPBV	98
8) BROMOMETHANE	4.87	94	604645	15.72	PPBV	99
9) CHLOROETHANE	5.04	64	230713	15.37	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.80	101	2186248	15.70	PPBV	100
11) ISOPROPYL ALCOHOL	6.03	45	664329	12.77	PPBV	91
12) ACETONE	5.67	43	634499	11.30	PPBV	100
13) PENTANE	6.15	42	451738	15.68	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.44	96	688741	18.96	PPBV	100
15) CARBON DISULFIDE	6.86	76	1858664	17.61	PPBV	98
16) ETHANOL	5.25	45	115869	12.87	PPBV	71
17) BROMOETHENE	5.39	106	666086	18.45	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	594183	10.66	PPBV	98
19) 3-CHLOROPROPENE	6.67	39	583505	17.78	PPBV	89
20) FREON 113	6.80	151	1580873	18.23	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	720005	20.26	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.63	59	1036169m	20.81	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.74	73	1619546	21.74	PPBV	99
24) TETRAHYDROFURAN	9.19	42	512978	21.77	PPBV	98
25) HEXANE	8.64	57	808040	17.65	PPBV	99
26) VINYL ACETATE	7.82	43	988890	21.61	PPBV	96
27) 1,1-DICHLOROETHANE	7.67	63	1129272	17.57	PPBV	100
28) METHYL ETHYL KETONE	8.10	43	958993	19.67	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	760303	21.79	PPBV	99
30) ETHYL ACETATE	8.71	43	1105960	22.23	PPBV	100
31) CHLOROFORM	8.76	83	1773739	20.01	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.69	97	1993583	19.64	PPBV	99
33) CARBON TETRACHLORIDE	10.27	117	2329371	19.25	PPBV	100
34) 1,2-DICHLOROETHANE	9.47	62	1008870	19.60	PPBV	100
36) BENZENE	10.14	78	1750569	22.48	PPBV	100
37) CYCLOHEXANE	10.38	84	844872	23.35	PPBV	99
38) TRICHLOROETHYLENE	11.13	95	879189	21.81	PPBV	99
39) 1,2-DICHLOROPROPANE	10.92	63	519849	20.11	PPBV	96
40) BROMODICHLOROMETHANE	11.11	83	1500251	20.94	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	2624091	20.84	PPBV	99
42) 1,4-DIOXANE	11.20	88	372628	19.02	PPBV	96
43) HEPTANE	11.37	43	801106	19.43	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10732.D
Acq On : 22 Jun 2007 12:44 pm
Operator : danat
Sample : ic556-20 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:18:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 13:16:04 2007
Response via : Initial Calibration

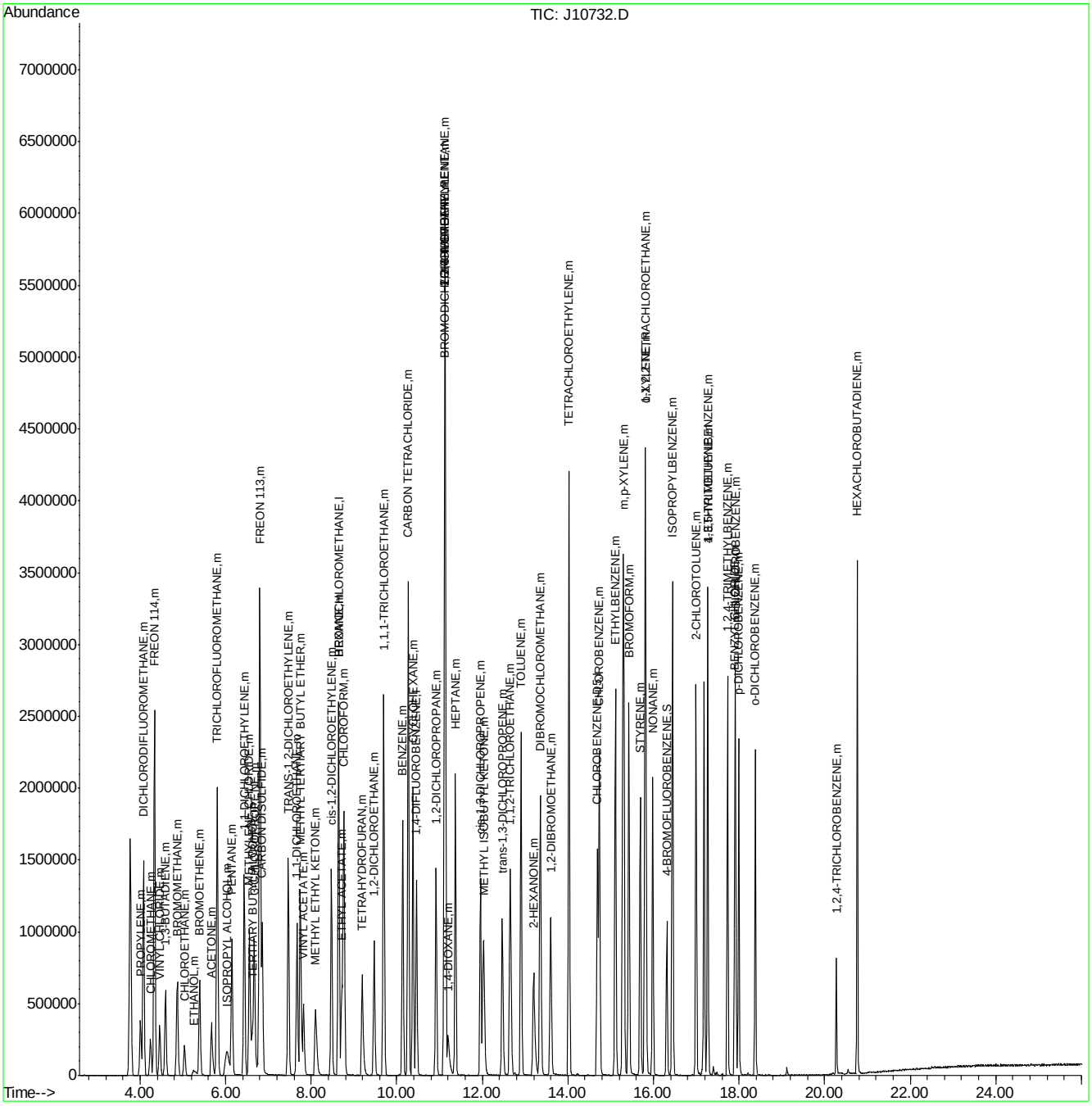
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	1043931	21.01	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.95	75	871359	23.47	PPBV	96
46) TOLUENE	12.90	92	1213854	25.23	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	859110	25.00	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.65	83	568335	21.35	PPBV	97
50) 2-HEXANONE	13.20	43	894388	23.88	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	1094870	22.09	PPBV	99
52) DIBROMOCHLOROMETHANE	13.35	129	1632981	23.28	PPBV	99
53) 1,2-DIBROMOETHANE	13.59	107	1130493	24.55	PPBV	100
54) CHLOROBENZENE	14.73	112	1611559	21.35	PPBV	99
55) ETHYLBENZENE	15.11	91	2408693	25.76	PPBV	99
56) m,p-XYLENE	15.29	106	1912375	50.12	PPBV	99
57) o-XYLENE	15.80	106	962374	25.38	PPBV	99
58) STYRENE	15.69	104	1205232	24.48	PPBV	98
59) NONANE	15.98	43	772812	16.66	PPBV	100
60) BROMOFORM	15.42	173	1646268	24.24	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	1313519	20.78	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	2804120m	20.28	PPBV	
64) 2-CHLOROTOLUENE	16.99	91	1636307	18.59	PPBV	99
65) 4-ETHYLTOLUENE	17.27	105	1969620	19.02	PPBV	65
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	1996943	18.18	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	1534884	17.34	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	1114924	16.98	PPBV	99
69) BENZYL CHLORIDE	17.90	91	921136	22.88	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	991924	18.62	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	956640	15.11	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	658350	7.63	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	234724	10.34	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10732.D
Acq On : 22 Jun 2007 12:44 pm
Operator : danat
Sample : ic556-20 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:18:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 13:16:04 2007
Response via : Initial Calibration

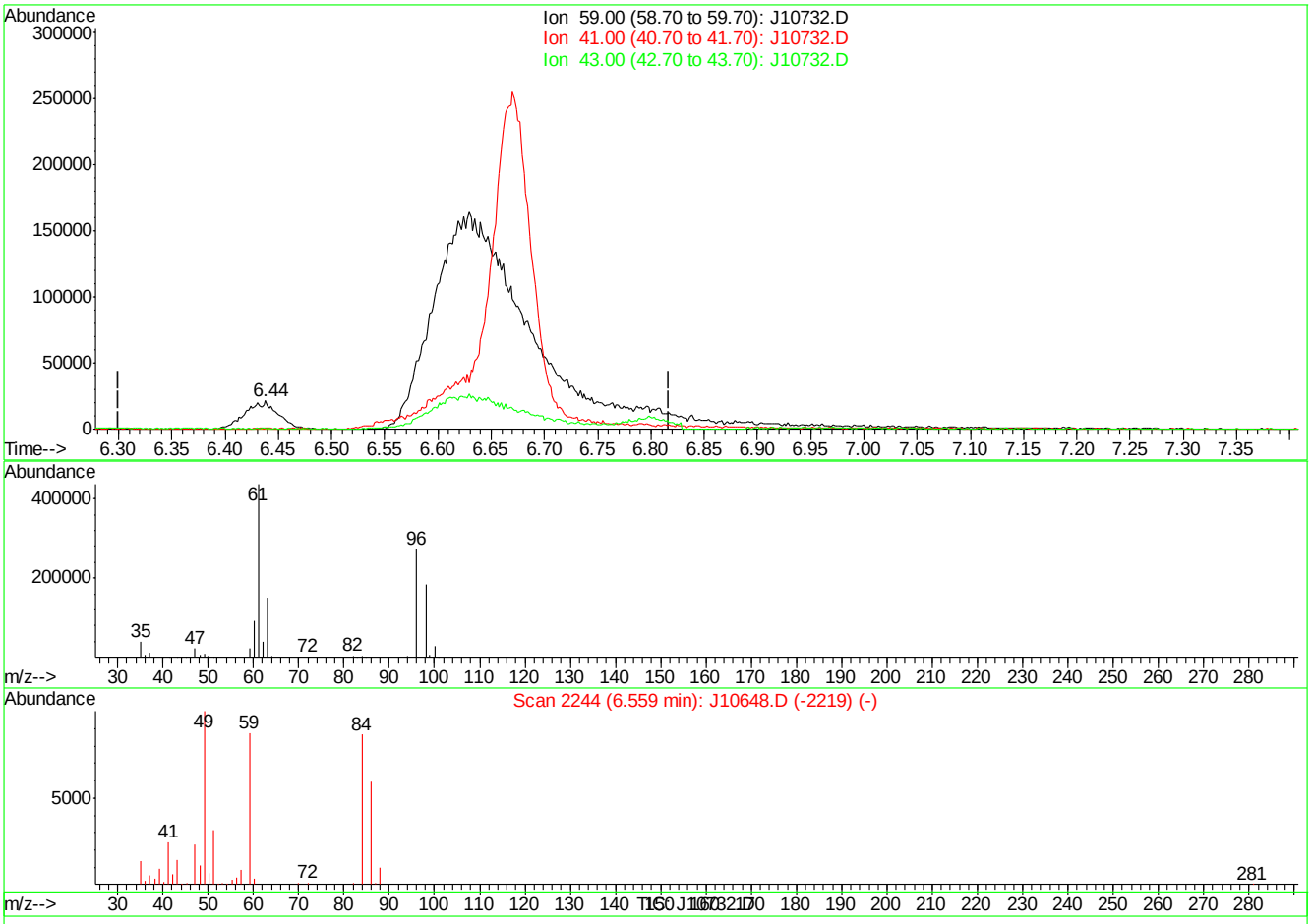


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10732.D Vial: 2
Acq On : 22 Jun 2007 12:44 pm Operator: danat
Sample : ic556-20 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:16:13 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 13:16:04 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.44min 0.91PPBV

response 45247

Ion	Exp%	Act%
59.00	100	100
41.00	24.40	0.00#
43.00	18.50	0.00
0.00	0.00	0.00

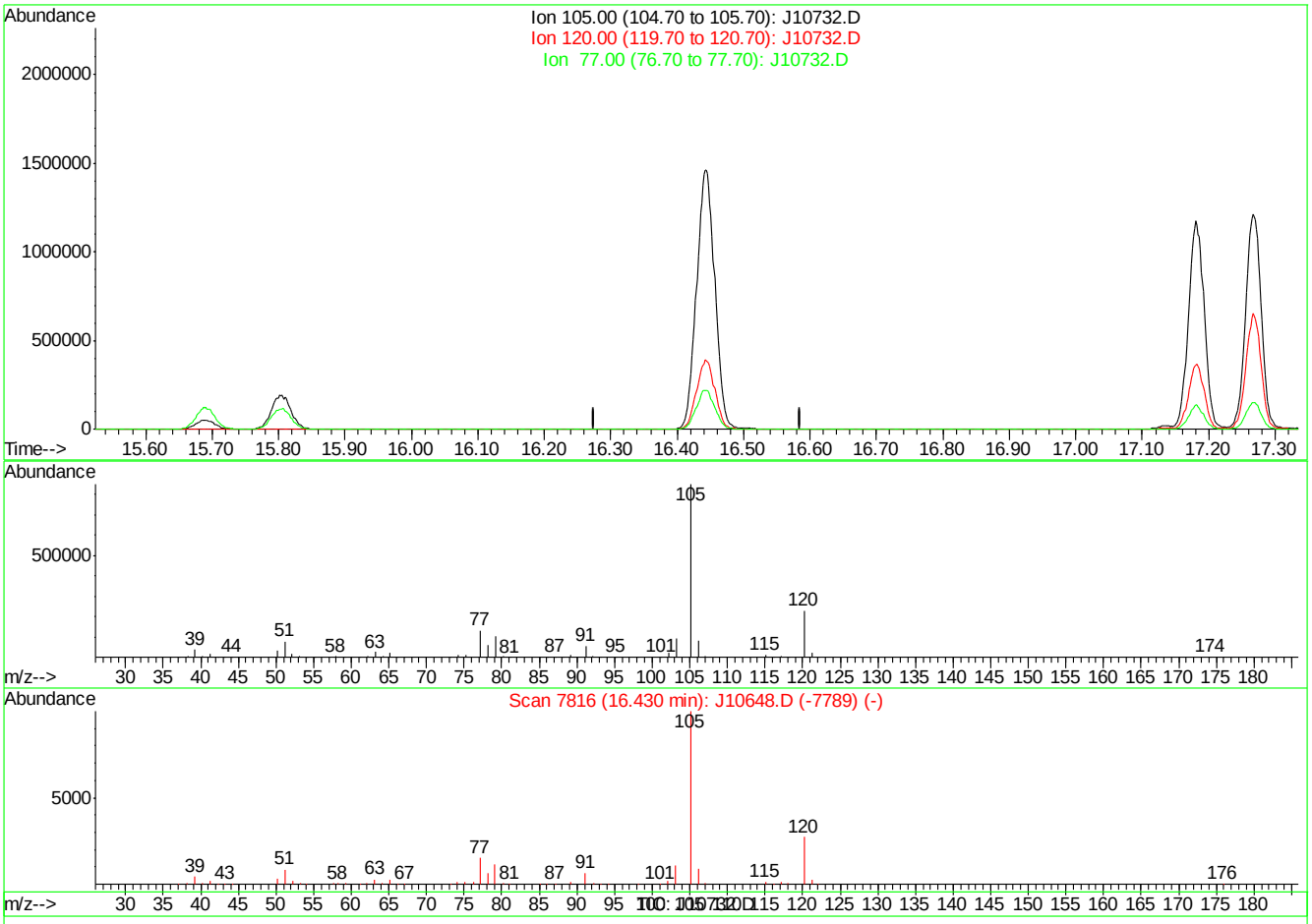
J10732.D J062207T.M Fri Jun 22 13:16:50 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10732.D Vial: 2
Acq On : 22 Jun 2007 12:44 pm Operator: danat
Sample : ic556-20 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:16:13 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 13:16:04 2007
Response via : Multiple Level Calibration



(63) ISOPROPYLBENZENE (m)

16.43min 0.00PPBV

response 0

Ion	Exp%	Act%
105.00	100	0.00
120.00	27.00	0.00#
77.00	15.40	0.00
0.00	0.00	0.00

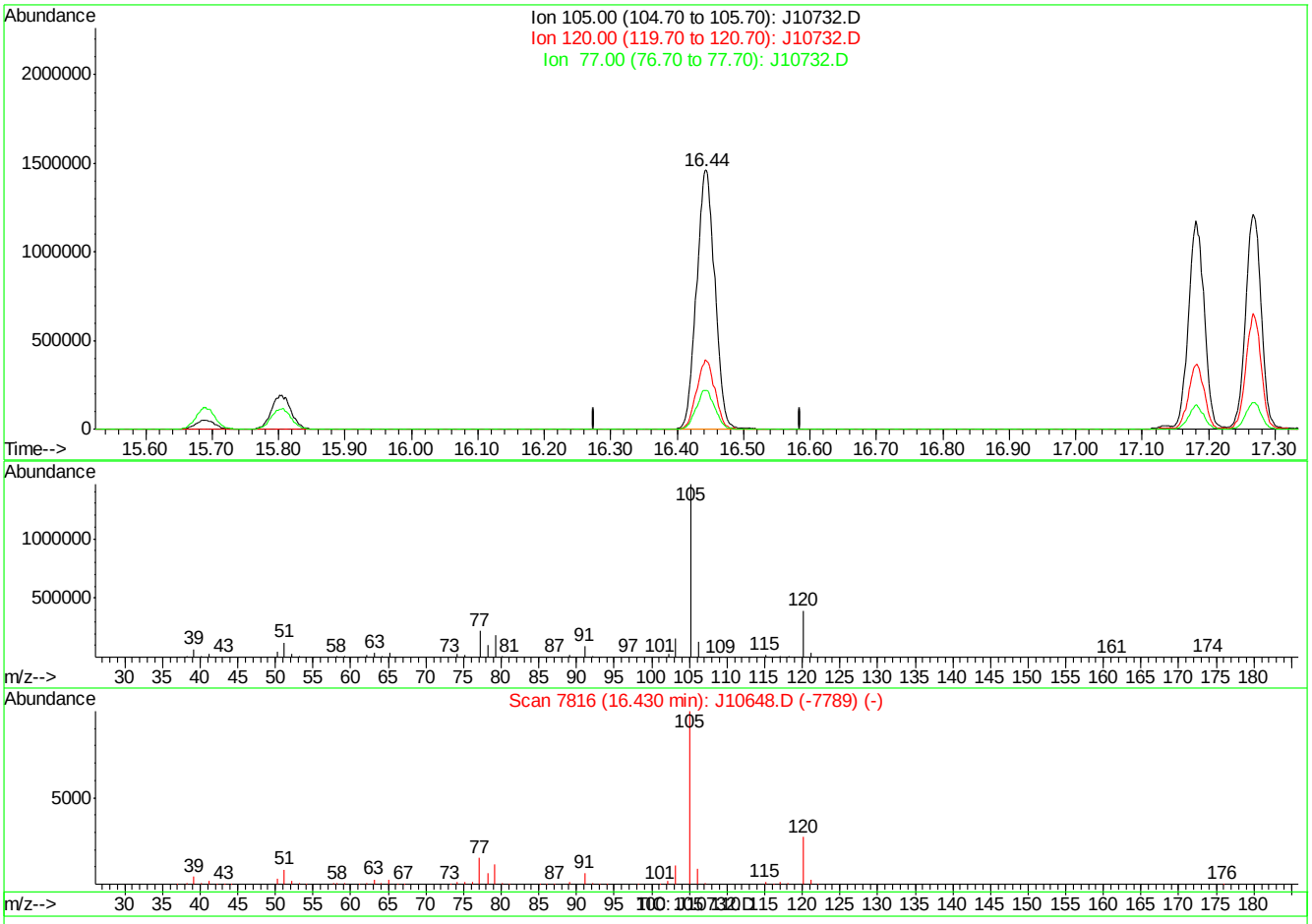
J10732.D J062207T.M Fri Jun 22 13:18:01 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10732.D Vial: 2
Acq On : 22 Jun 2007 12:44 pm Operator: danat
Sample : ic556-20 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:16:13 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 13:16:04 2007
Response via : Multiple Level Calibration



(63) ISOPROPYLBENZENE (m)

16.44min 20.28PPBV m

response 2804120

Ion	Exp%	Act%
105.00	100	100
120.00	27.00	0.00#
77.00	15.40	0.00
0.00	0.00	0.00

J10732.D J062207T.M Fri Jun 22 13:18:06 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/26/07 15:46

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10733.D
Acq On : 22 Jun 2007 1:31 pm
Operator : danat
Sample : icc556-10 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:58:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 13:19:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	393924	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1684327	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1430596m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	433278	4.84	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 96.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	1031122	7.41	PPBV	100
3) PROPYLENE	4.01	41	156916	7.56	PPBV	94
4) FREON 114	4.34	85	815985	6.63	PPBV	98
5) CHLOROMETHANE	4.24	50	184658	6.31	PPBV	100
6) VINYL CHLORIDE	4.46	62	234200	6.99	PPBV	95
7) 1,3-BUTADIENE	4.60	39	174402	6.80	PPBV	99
8) BROMOMETHANE	4.87	94	293719	7.03	PPBV	100
9) CHLOROETHANE	5.04	64	107995	6.65	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.81	101	1053554	6.97	PPBV	99
11) ISOPROPYL ALCOHOL	6.01	45	329103	6.13	PPBV	95
12) ACETONE	5.67	43	315135	5.42	PPBV	99
13) PENTANE	6.15	42	225286	7.20	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.44	96	322977	7.92	PPBV	99
15) CARBON DISULFIDE	6.86	76	880945	7.54	PPBV	98
16) ETHANOL	5.26	45	53422	5.74	PPBV #	58
17) BROMOETHENE	5.40	106	315778	7.83	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	272023	4.75	PPBV	99
19) 3-CHLOROPROPENE	6.67	39	225219	6.22	PPBV	95
20) FREON 113	6.80	151	745487	7.71	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	326969	8.09	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.60	59	447442	7.84	PPBV	90
23) METHYL TERTIARY BUTYL ETHE	7.74	73	752625	8.75	PPBV	99
24) TETRAHYDROFURAN	9.19	42	224624	8.22	PPBV	99
25) HEXANE	8.64	57	387975	7.65	PPBV	98
26) VINYL ACETATE	7.81	43	450084	8.53	PPBV	96
27) 1,1-DICHLOROETHANE	7.67	63	510043	7.17	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	434911	7.89	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.47	96	336144	8.34	PPBV	98
30) ETHYL ACETATE	8.71	43	484909	8.40	PPBV	100
31) CHLOROFORM	8.75	83	796789	7.92	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	857915	7.48	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1129064	8.29	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	450344	7.74	PPBV	99
36) BENZENE	10.13	78	787648	7.87	PPBV	100
37) CYCLOHEXANE	10.37	84	405710	8.58	PPBV	100
38) TRICHLOROETHYLENE	11.12	95	424559	8.25	PPBV	100
39) 1,2-DICHLOROPROPANE	10.91	63	243526	7.50	PPBV	96
40) BROMODICHLOROMETHANE	11.10	83	708161	7.80	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1181577	7.40	PPBV	99
42) 1,4-DIOXANE	11.19	88	163122	6.72	PPBV	95
43) HEPTANE	11.36	43	375900	7.32	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10733.D
Acq On : 22 Jun 2007 1:31 pm
Operator : danat
Sample : icc556-10 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:58:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 13:19:38 2007
Response via : Initial Calibration

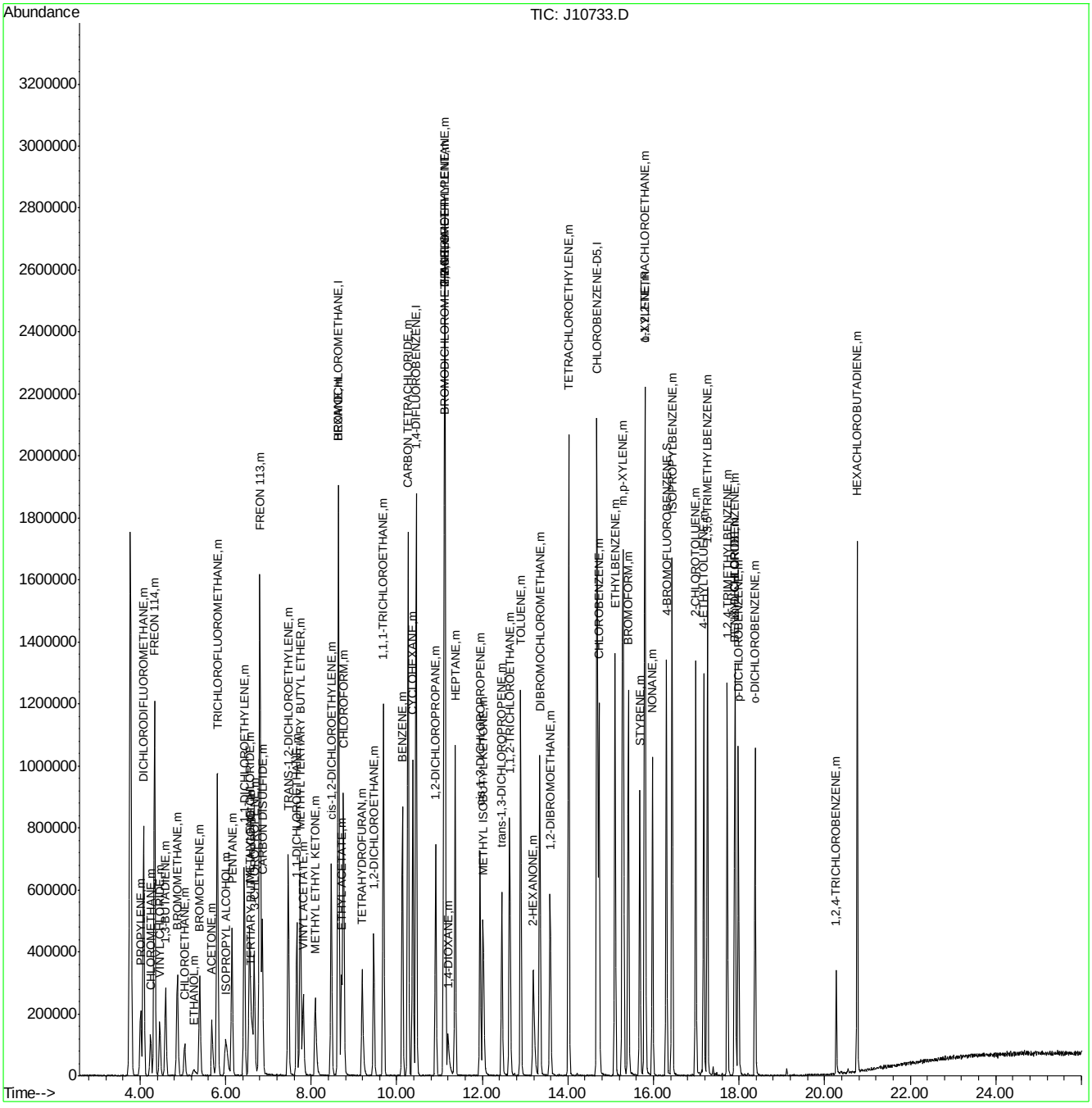
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	459314	7.28	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.95	75	398913	8.21	PPBV	96
46) TOLUENE	12.90	92	555583	8.75	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	385648	8.42	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	266806	7.88	PPBV	98
50) 2-HEXANONE	13.19	43	381796	7.88	PPBV	99
51) TETRACHLOROETHYLENE	14.02	164	502548	8.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	726727	8.13	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	506094	8.52	PPBV	100
54) CHLOROBENZENE	14.72	112	753157	7.98	PPBV	99
55) ETHYLBENZENE	15.10	91	1106790	9.07	PPBV	100
56) m,p-XYLENE	15.28	106	874649	17.69	PPBV	97
57) o-XYLENE	15.80	106	440407	8.94	PPBV	99
58) STYRENE	15.68	104	505877	7.89	PPBV	98
59) NONANE	15.98	43	344461	6.28	PPBV	99
60) BROMOFORM	15.41	173	724905	8.30	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	578764	7.37	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1256901	7.34	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	747360	7.01	PPBV	100
65) 4-ETHYLTOLUENE	17.17	105	821957	6.52	PPBV #	98
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	896028	6.77	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	669697	6.35	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	503936	6.47	PPBV	99
69) BENZYL CHLORIDE	17.89	91	406276	7.90	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	453413	7.02	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	440218	6.01	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	311756	3.46	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	102064	4.15	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10733.D
Acq On : 22 Jun 2007 1:31 pm
Operator : danat
Sample : icc556-10 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 13:58:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 13:19:38 2007
Response via : Initial Calibration

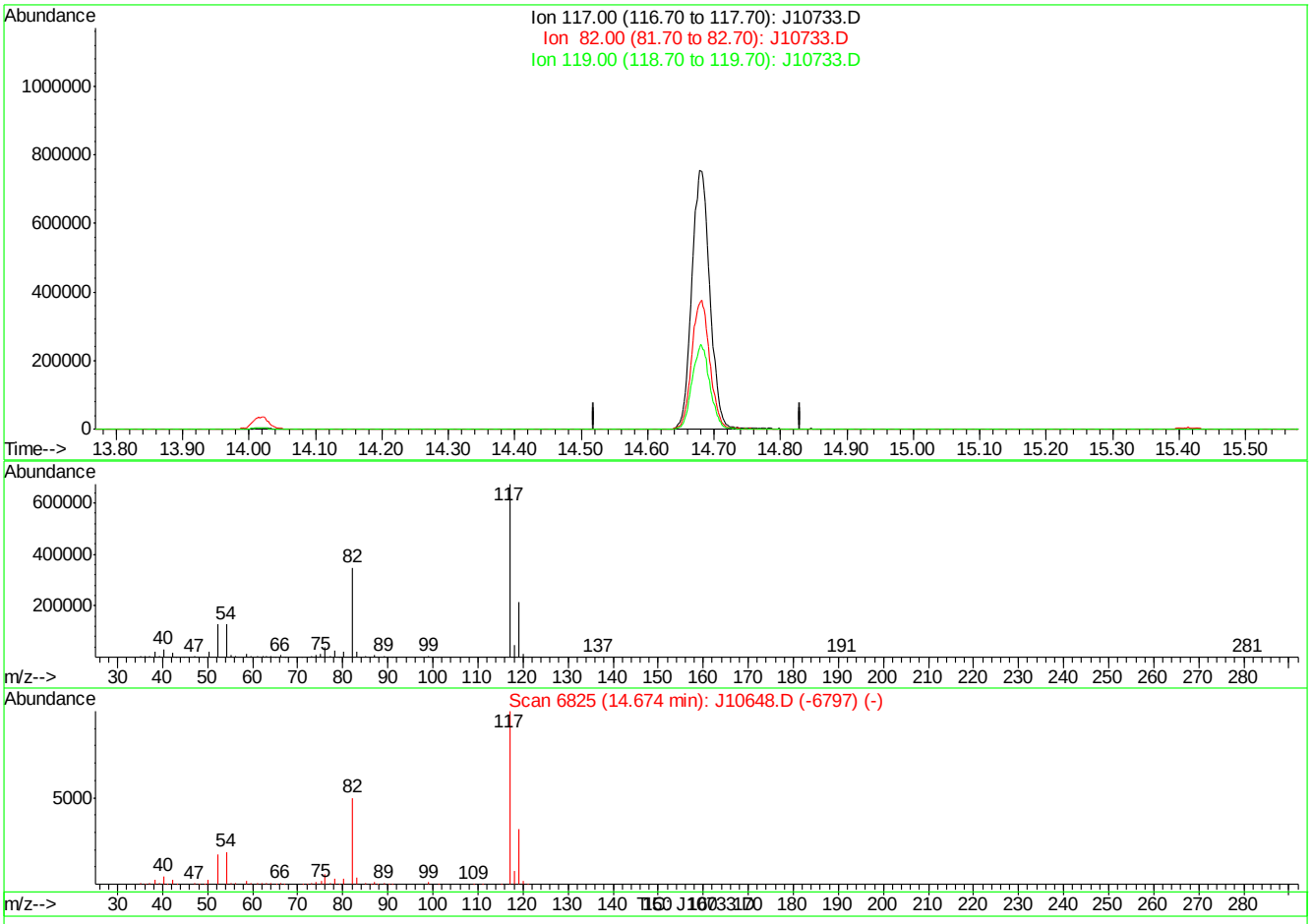


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10733.D Vial: 2
Acq On : 22 Jun 2007 1:31 pm Operator: danat
Sample : icc556-10 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:58:10 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 13:19:38 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.67min 0.00PPBV

response 0

Ion	Exp%	Act%
117.00	100	0.00
82.00	49.60	0.00#
119.00	32.40	0.00#
0.00	0.00	0.00

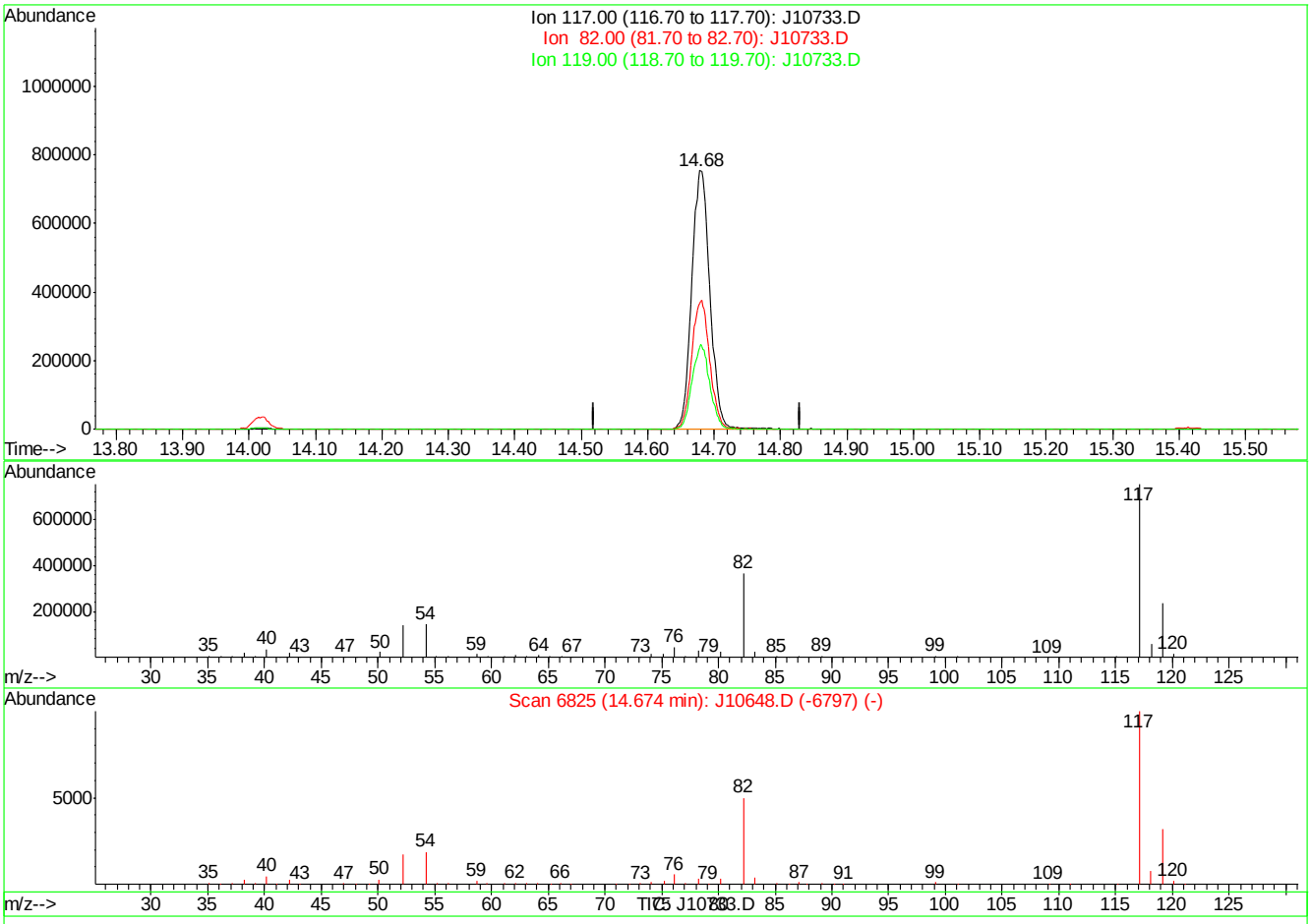
J10733.D J062207T.M Fri Jun 22 13:58:38 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10733.D Vial: 2
Acq On : 22 Jun 2007 1:31 pm Operator: danat
Sample : icc556-10 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 13:58:10 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 13:19:38 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.68min 10.00PPBV m

response 1430596

Ion	Exp%	Act%
117.00	100	100
82.00	49.60	0.00#
119.00	32.40	0.00#
0.00	0.00	0.00

J10733.D J062207T.M Fri Jun 22 13:58:44 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/26/07 15:46

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10734.D
Acq On : 22 Jun 2007 2:21 pm
Operator : danat
Sample : ic556-5 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 14:49:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 14:01:52 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	369647	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1607025	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1336832m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	391144	4.70	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 94.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	492999	3.95	PPBV	99
3) PROPYLENE	4.00	41	74928	4.04	PPBV	97
4) FREON 114	4.33	85	429362	3.94	PPBV	99
5) CHLOROMETHANE	4.24	50	98168	3.81	PPBV	97
6) VINYL CHLORIDE	4.45	62	125371	4.20	PPBV	98
7) 1,3-BUTADIENE	4.59	39	92673	4.11	PPBV	99
8) BROMOMETHANE	4.86	94	158295	4.25	PPBV	100
9) CHLOROETHANE	5.03	64	62695	4.36	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.80	101	568027	4.22	PPBV	98
11) ISOPROPYL ALCOHOL	5.97	45	165358	3.56	PPBV	96
12) ACETONE	5.67	43	180295	3.58	PPBV	97
13) PENTANE	6.14	42	118433	4.23	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	166590	4.51	PPBV	96
15) CARBON DISULFIDE	6.85	76	463388	4.41	PPBV	99
16) ETHANOL	5.25	45	28219m	3.53	PPBV	
17) BROMOETHENE	5.39	106	171135	4.69	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	146625	2.99	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	113528	3.62	PPBV	99
20) FREON 113	6.79	151	378000	4.33	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	166894	4.54	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.56	59	235053	4.59	PPBV	90
23) METHYL TERTIARY BUTYL ETHE	7.74	73	379779	4.81	PPBV	99
24) TETRAHYDROFURAN	9.19	42	110569	4.47	PPBV	98
25) HEXANE	8.63	57	188346	4.12	PPBV	99
26) VINYL ACETATE	7.80	43	208843	4.32	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	257214	4.04	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	214663	4.30	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	164178	4.47	PPBV	100
30) ETHYL ACETATE	8.70	43	231088	4.38	PPBV	99
31) CHLOROFORM	8.74	83	388956	4.27	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	445623	4.32	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	583703	4.70	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	237476	4.52	PPBV	99
36) BENZENE	10.12	78	397445	4.31	PPBV	99
37) CYCLOHEXANE	10.37	84	200765	4.58	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	216647	4.54	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	128701	4.33	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	368178	4.41	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	589806	4.08	PPBV	100
42) 1,4-DIOXANE	11.19	88	77341	3.57	PPBV	93
43) HEPTANE	11.36	43	188601	4.07	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10734.D
Acq On : 22 Jun 2007 2:21 pm
Operator : danat
Sample : ic556-5 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 14:49:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 14:01:52 2007
Response via : Initial Calibration

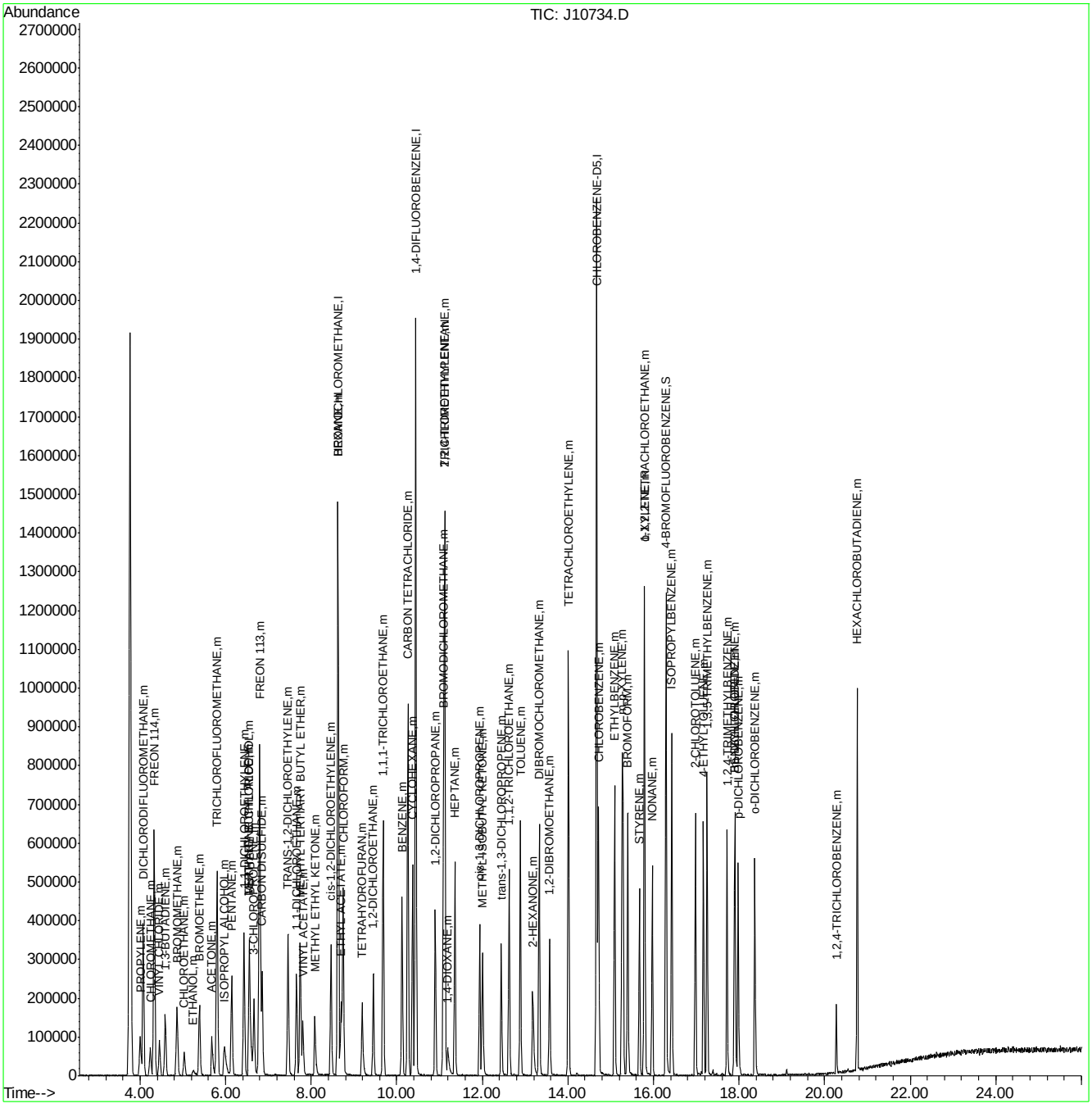
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	232297	4.08	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	197829	4.43	PPBV	98
46) TOLUENE	12.89	92	275397	4.64	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	184773	4.37	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.62	83	137204	4.40	PPBV	98
50) 2-HEXANONE	13.18	43	198241	4.57	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	253826	4.50	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	367355	4.54	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	254842	4.71	PPBV	100
54) CHLOROBENZENE	14.72	112	375470	4.41	PPBV	99
55) ETHYLBENZENE	15.09	91	538154	4.80	PPBV	99
56) m,p-XYLENE	15.27	106	409870	9.05	PPBV	97
57) o-XYLENE	15.78	106	210138	4.65	PPBV	100
58) STYRENE	15.67	104	222684	3.88	PPBV	100
59) NONANE	15.97	43	170442	3.59	PPBV	98
60) BROMOFORM	15.40	173	348250	4.39	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	291818	4.16	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	591630	3.91	PPBV	98
64) 2-CHLOROTOLUENE	16.98	91	361289	3.86	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	388833	3.55	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	418853	3.62	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	316544	3.46	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	248467	3.67	PPBV	98
69) BENZYL CHLORIDE	17.89	91	187312	4.07	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	229110	4.04	PPBV	99
71) o-DICHLOROBENZENE	18.36	146	224298	3.56	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	170344	2.33	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	51084	2.52	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10734.D
Acq On : 22 Jun 2007 2:21 pm
Operator : danat
Sample : ic556-5 (m173)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 14:49:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 14:01:52 2007
Response via : Initial Calibration

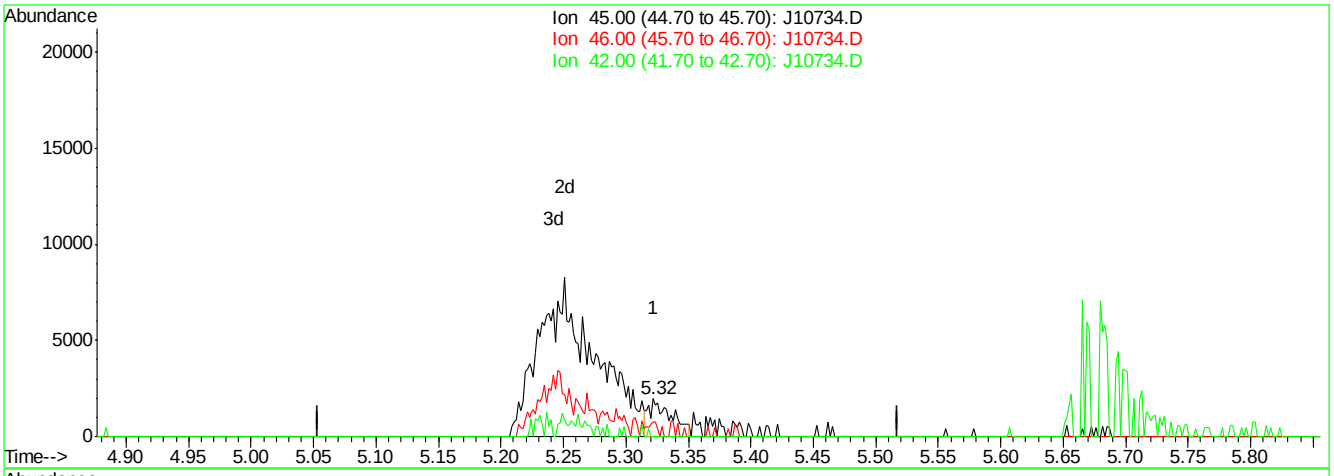


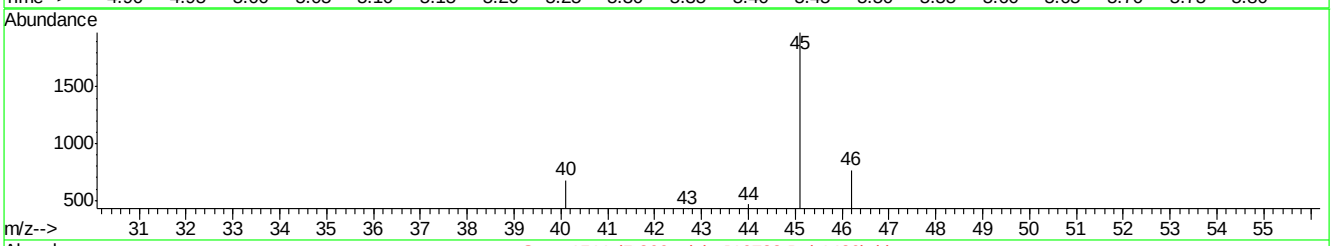
Quantitation Report (Qedit)

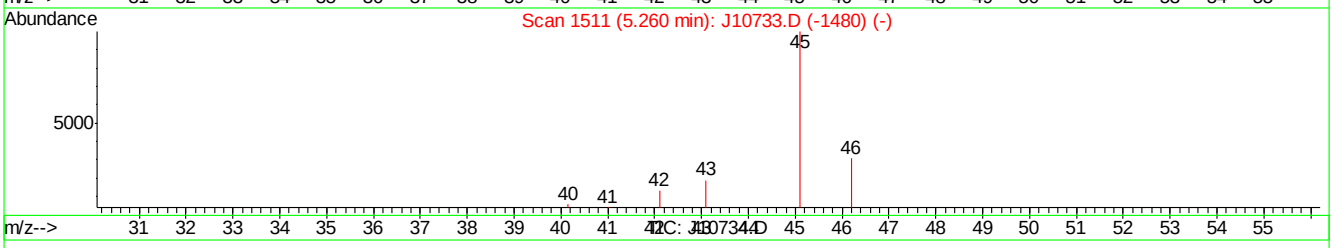
Data File : C:\MSDCHEM\1\DATA\J10734.D Vial: 2
Acq On : 22 Jun 2007 2:21 pm Operator: danat
Sample : ic556-5 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 14:47:27 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 14:01:52 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.32min 0.30PPBV

response 2429

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	23.05
42.00	2.80	4.65
0.00	0.00	0.00

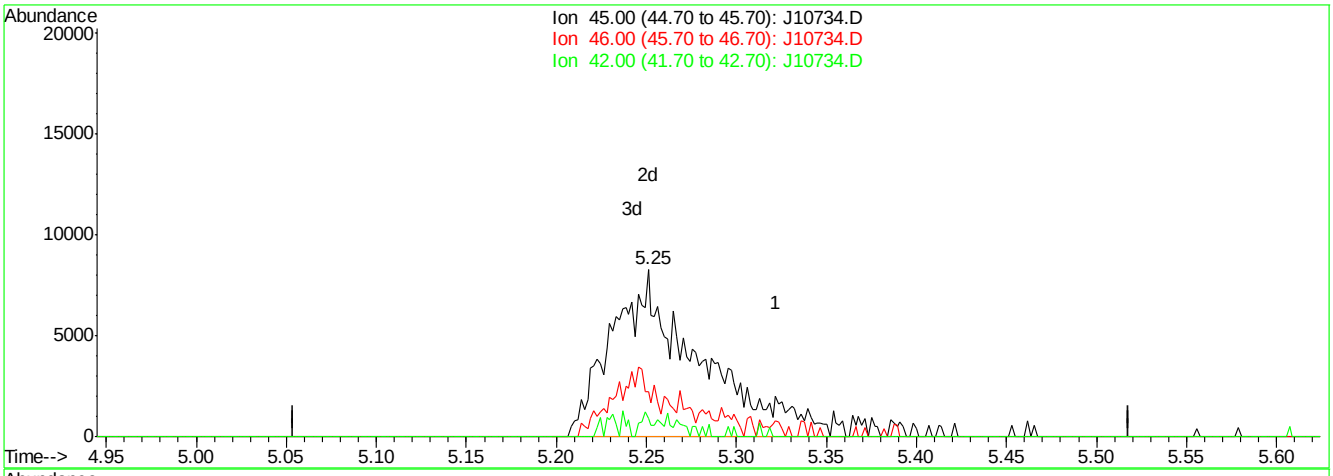
J10734.D J062207T.M Fri Jun 22 14:47:59 2007

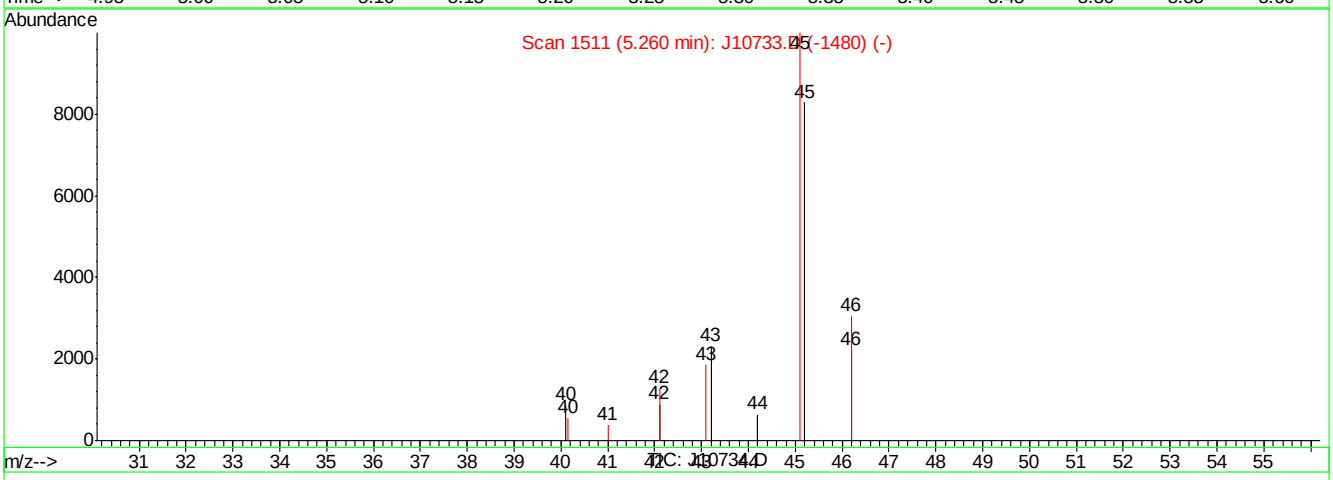
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10734.D Vial: 2
Acq On : 22 Jun 2007 2:21 pm Operator: danat
Sample : ic556-5 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 14:47:27 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 14:01:52 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.25min 3.53PPBV m

response 28219

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	1.98
42.00	2.80	0.40
0.00	0.00	0.00

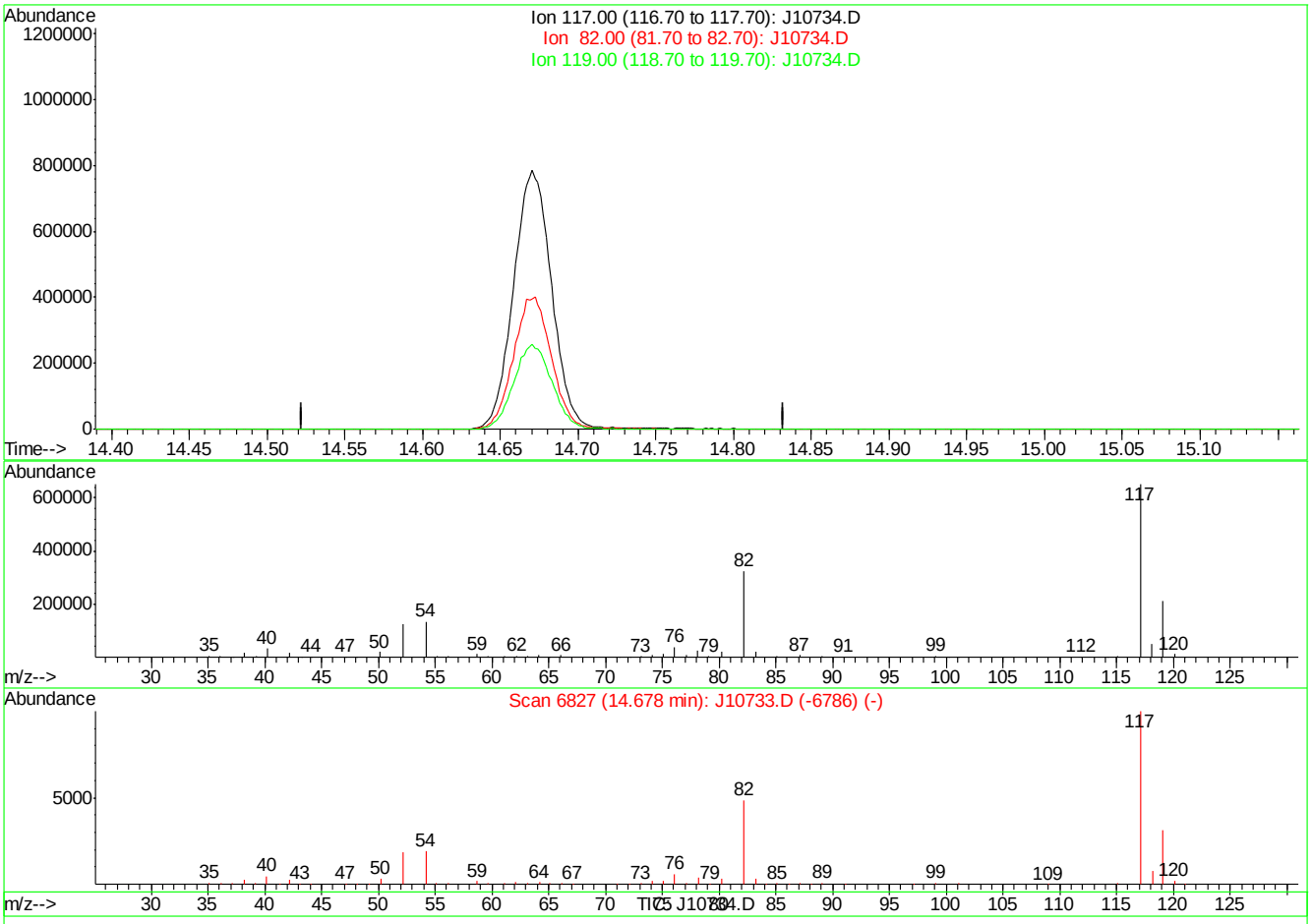
J10734.D J062207T.M Fri Jun 22 14:48:09 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10734.D Vial: 2
Acq On : 22 Jun 2007 2:21 pm Operator: danat
Sample : ic556-5 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 14:47:27 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 14:01:52 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.68min 0.00PPBV

response 0

Ion	Exp%	Act%
117.00	100	0.00
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

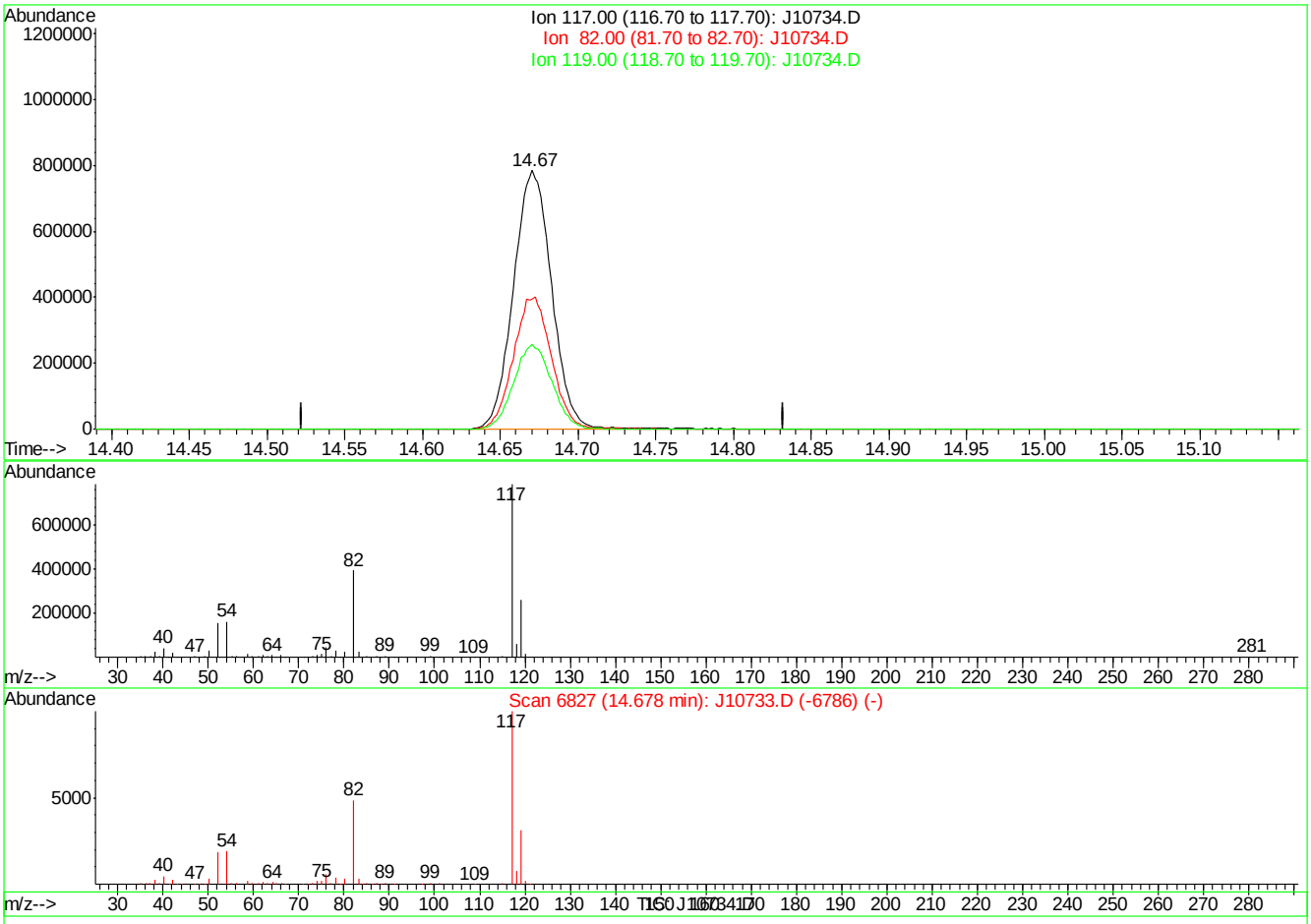
J10734.D J062207T.M Fri Jun 22 14:48:38 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10734.D Vial: 2
Acq On : 22 Jun 2007 2:21 pm Operator: danat
Sample : ic556-5 (m173) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 14:47:27 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 14:01:52 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1336832

Ion	Exp%	Act%
117.00	100	100
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

J10734.D J062207T.M Fri Jun 22 14:48:45 2007

J10736.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 06/26/07 15:46

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10736.D
Acq On : 22 Jun 2007 4:24 pm
Operator : danat
Sample : ic556-2 (m141)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 17:13:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 16:48:30 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	364210	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1572129	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1350522	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	432764	5.16	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 103.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	260033	2.24	PPBV	99
3) PROPYLENE	4.00	41	37355	2.18	PPBV	90
4) FREON 114	4.33	85	224701	2.23	PPBV	97
5) CHLOROMETHANE	4.24	50	53258	2.25	PPBV	86
6) VINYL CHLORIDE	4.45	62	64433	2.32	PPBV	97
7) 1,3-BUTADIENE	4.58	39	47860	2.28	PPBV	95
8) BROMOMETHANE	4.86	94	72638	2.10	PPBV	96
9) CHLOROETHANE	5.03	64	30488	2.28	PPBV	83
10) TRICHLOROFLUOROMETHANE	5.80	101	277698	2.21	PPBV	99
11) ISOPROPYL ALCOHOL	5.98	45	73867	2.00	PPBV	84
12) ACETONE	5.68	43	105562	3.22	PPBV	98
13) PENTANE	6.14	42	54454	2.10	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.42	96	72097	2.07	PPBV	93
15) CARBON DISULFIDE	6.85	76	209391	2.12	PPBV	96
16) ETHANOL	5.26	45	15690m	2.22	PPBV	
17) BROMOETHENE	5.39	106	72718	2.10	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	132998	4.30	PPBV	94
19) 3-CHLOROPROPENE	6.67	39	55754	1.95	PPBV	93
20) FREON 113	6.79	151	168819	2.07	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	69579	2.01	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.58	59	74619	1.60	PPBV #	72
23) METHYL TERTIARY BUTYL ETHE	7.74	73	143587	1.92	PPBV	97
24) TETRAHYDROFURAN	9.19	42	43287	1.87	PPBV	96
25) HEXANE	8.64	57	88775	2.09	PPBV	98
26) VINYL ACETATE	7.80	43	63301	1.45	PPBV	91
27) 1,1-DICHLOROETHANE	7.66	63	121238	2.07	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	90278	1.96	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	68575	1.99	PPBV	96
30) ETHYL ACETATE	8.70	43	95501	1.95	PPBV #	97
31) CHLOROFORM	8.74	83	175621	2.06	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	209375	2.17	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	246216	2.09	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	103633	2.09	PPBV	99
36) BENZENE	10.12	78	171630	2.02	PPBV	99
37) CYCLOHEXANE	10.37	84	76754	1.87	PPBV	96
38) TRICHLOROETHYLENE	11.12	95	88780	2.02	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	56166	2.05	PPBV	98
40) BROMODICHLOROMETHANE	11.09	83	155718	2.02	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	258861	1.98	PPBV	98
42) 1,4-DIOXANE	11.21	88	25325	1.37	PPBV	91
43) HEPTANE	11.36	43	80952	1.95	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10736.D
Acq On : 22 Jun 2007 4:24 pm
Operator : danat
Sample : ic556-2 (m141)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 17:13:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 16:48:30 2007
Response via : Initial Calibration

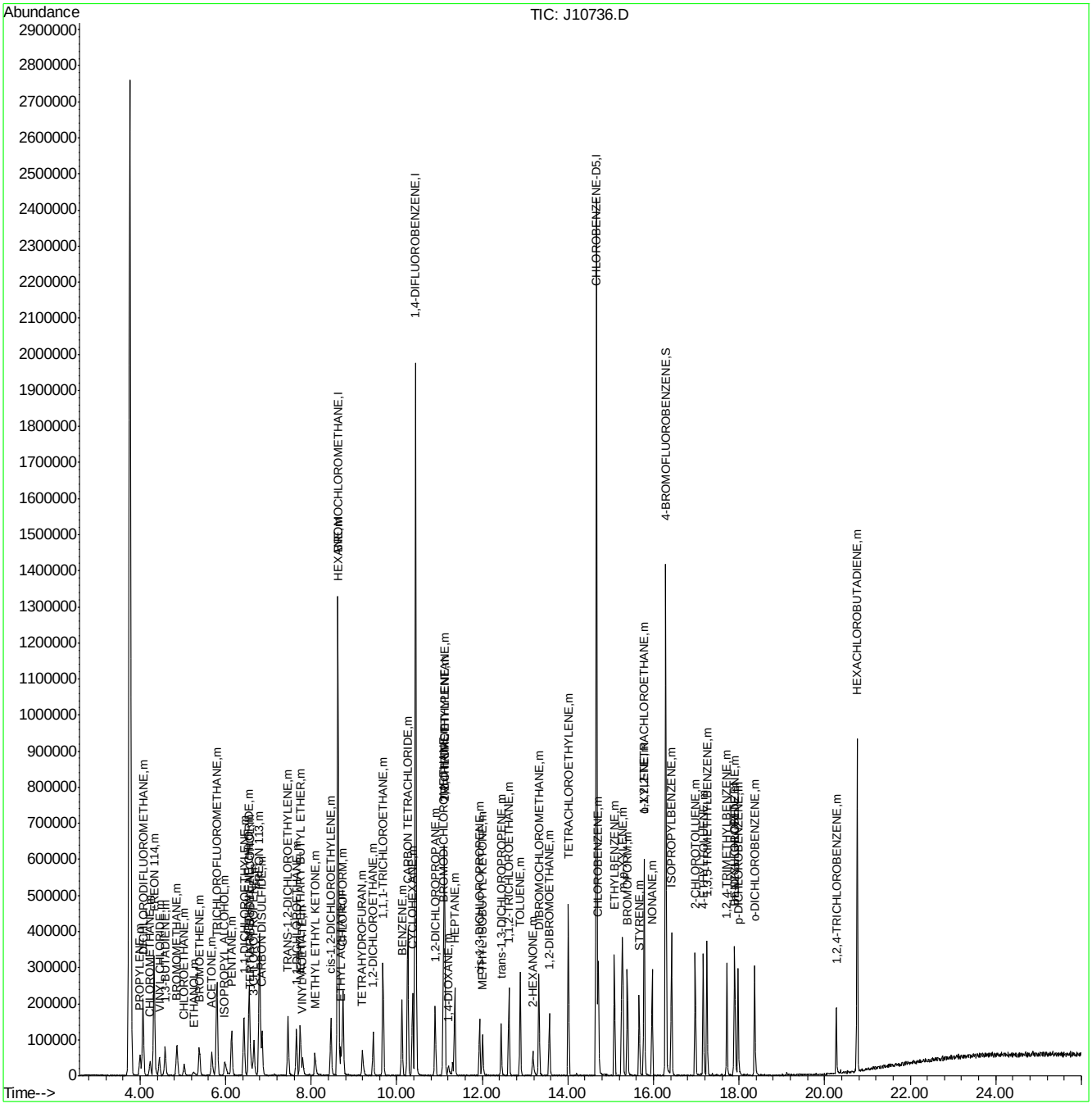
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	74822	1.51	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.94	75	77084	1.84	PPBV	98
46) TOLUENE	12.88	92	111690	2.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	70568	1.76	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.62	83	57988	2.02	PPBV	96
50) 2-HEXANONE	13.18	43	56001	1.39	PPBV	93
51) TETRACHLOROETHYLENE	14.01	164	103439	1.93	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	147147	1.91	PPBV	98
53) 1,2-DIBROMOETHANE	13.57	107	104915	2.01	PPBV	100
54) CHLOROBENZENE	14.71	112	159906	1.99	PPBV	98
55) ETHYLBENZENE	15.09	91	219688	2.05	PPBV	98
56) m,p-XYLENE	15.28	106	178334	4.20	PPBV	94
57) o-XYLENE	15.78	106	85642	2.34	PPBV	95
58) STYRENE	15.66	104	100397	1.87	PPBV	99
59) NONANE	15.97	43	85256	2.09	PPBV	98
60) BROMOFORM	15.39	173	142230	1.89	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	132198	2.04	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	242475	1.78	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	166896	1.97	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	182469	1.90	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	185131	1.84	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	148051	1.92	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	131452	2.14	PPBV	100
69) BENZYL CHLORIDE	17.89	91	78838	2.36	PPBV	98
70) p-DICHLOROBENZENE	17.97	146	117318	2.17	PPBV	97
71) o-DICHLOROBENZENE	18.37	146	119909	2.15	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	152602	3.82	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.27	180	50010	3.83	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10736.D
Acq On : 22 Jun 2007 4:24 pm
Operator : danat
Sample : ic556-2 (m141)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 17:13:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 16:48:30 2007
Response via : Initial Calibration

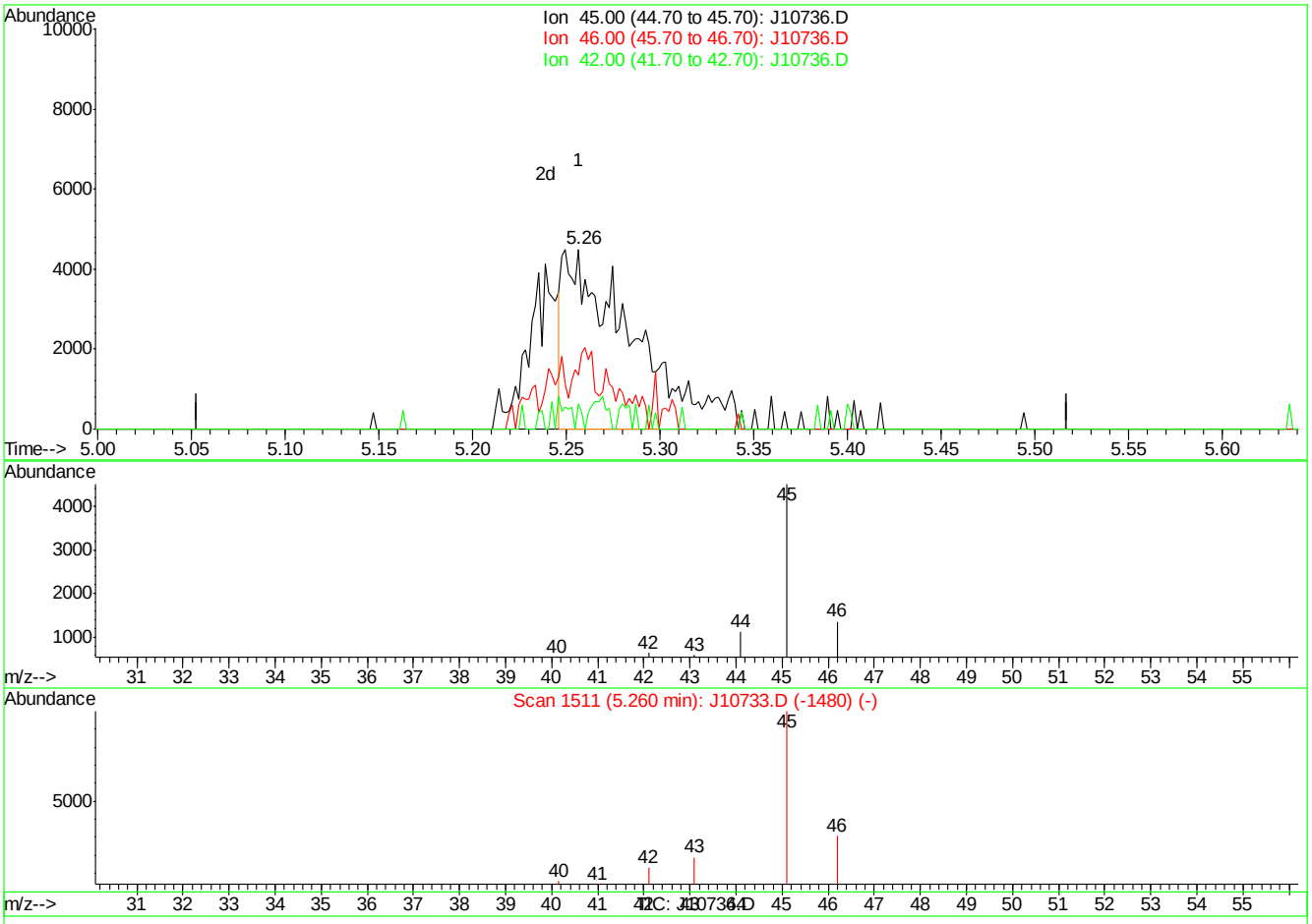


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10736.D Vial: 1
Acq On : 22 Jun 2007 4:24 pm Operator: danat
Sample : ic556-2 (m141) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 17:12:29 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 16:48:30 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.26min 1.62PPBV

response 11442

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	26.21
42.00	2.80	3.85
0.00	0.00	0.00

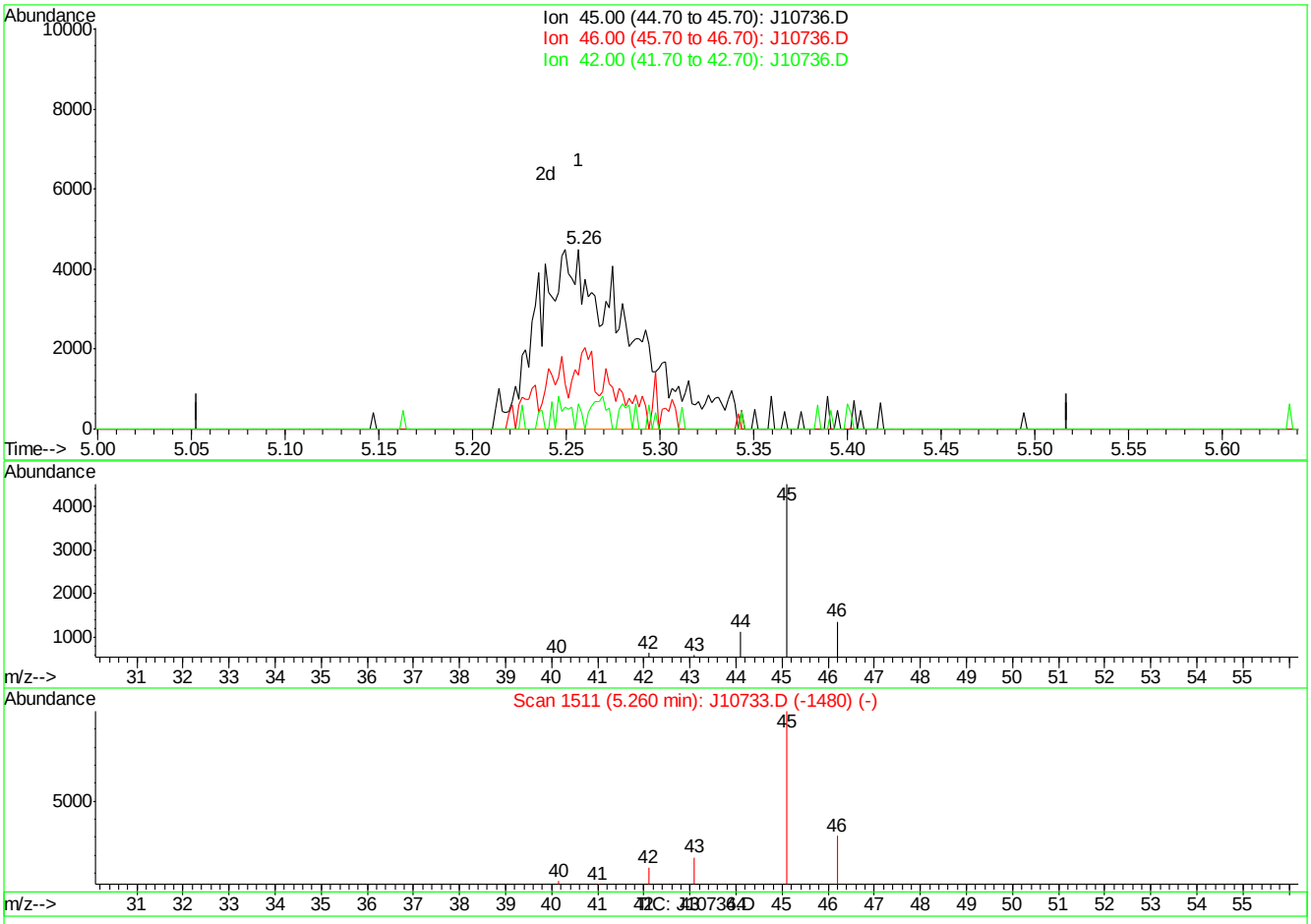
J10736.D J062207T.M Fri Jun 22 17:12:56 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10736.D Vial: 1
Acq On : 22 Jun 2007 4:24 pm Operator: danat
Sample : ic556-2 (m141) Inst : MSJ
Misc : MS13762, MSJ556,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 22 17:12:29 2007 Results File: J062207T.RES

Method : C:\MSDCHEM\1\METHODS\J062207T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 22 16:48:30 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.26min 2.22PPBV m

response 15690

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	19.11
42.00	2.80	2.81
0.00	0.00	0.00

J10736.D J062207T.M Fri Jun 22 17:13:02 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10737a.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : cc556-10 (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 17:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	320244	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1347074	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1210672	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	406390	5.41	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.09	85	1251942	12.25	PPBV	99
3) PROPYLENE	4.02	41	194637	12.93	PPBV	93
4) FREON 114	4.34	85	1093229	12.36	PPBV	96
5) CHLOROMETHANE	4.25	50	262287	12.59	PPBV	99
6) VINYL CHLORIDE	4.47	62	312911	12.83	PPBV	98
7) 1,3-BUTADIENE	4.60	39	236530	12.81	PPBV	94
8) BROMOMETHANE	4.87	94	361701	11.90	PPBV	99
9) CHLOROETHANE	5.04	64	148362	12.61	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.81	101	1330289	12.05	PPBV	100
11) ISOPROPYL ALCOHOL	6.01	45	333715	12.13	PPBV	95
12) ACETONE	5.69	43	335470	12.60	PPBV	96
13) PENTANE	6.16	42	274849	12.08	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.44	96	343576	11.20	PPBV	91
15) CARBON DISULFIDE	6.86	76	966004	11.11	PPBV	97
16) ETHANOL	5.28	45	50201	8.08	PPBV	87
17) BROMOETHENE	5.40	106	364685	11.95	PPBV	98
18) METHYLENE CHLORIDE	6.56	84	299567	11.87	PPBV	94
19) 3-CHLOROPROPENE	6.68	39	293420	11.70	PPBV	93
20) FREON 113	6.80	151	761595	10.61	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	333890	10.98	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.61	59	435912	10.66	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.75	73	663201	10.10	PPBV	97
24) TETRAHYDROFURAN	9.20	42	194258	9.52	PPBV	96
25) HEXANE	8.64	57	351657	9.41	PPBV	97
26) VINYL ACETATE	7.82	43	384790	10.03	PPBV	97
27) 1,1-DICHLOROETHANE	7.67	63	546865	10.62	PPBV	99
28) METHYL ETHYL KETONE	8.10	43	373680	9.21	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	305720	10.08	PPBV	95
30) ETHYL ACETATE	8.72	43	403226	9.37	PPBV	99
31) CHLOROFORM	8.76	83	767126	10.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	933714	10.99	PPBV	99
33) CARBON TETRACHLORIDE	10.27	117	1175776	11.35	PPBV	99
34) 1,2-DICHLOROETHANE	9.47	62	439607	10.10	PPBV	100
36) BENZENE	10.14	78	742618	10.18	PPBV	99
37) CYCLOHEXANE	10.38	84	389244	11.08	PPBV	98
38) TRICHLOROETHYLENE	11.13	95	392127	10.40	PPBV	98
39) 1,2-DICHLOROPROPANE	10.91	63	242018	10.31	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	681405	10.34	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1300525	11.64	PPBV	100
42) 1,4-DIOXANE	11.21	88	114575	7.26	PPBV	92
43) HEPTANE	11.37	43	386979	10.88	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10737a.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : cc556-10 (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 17:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

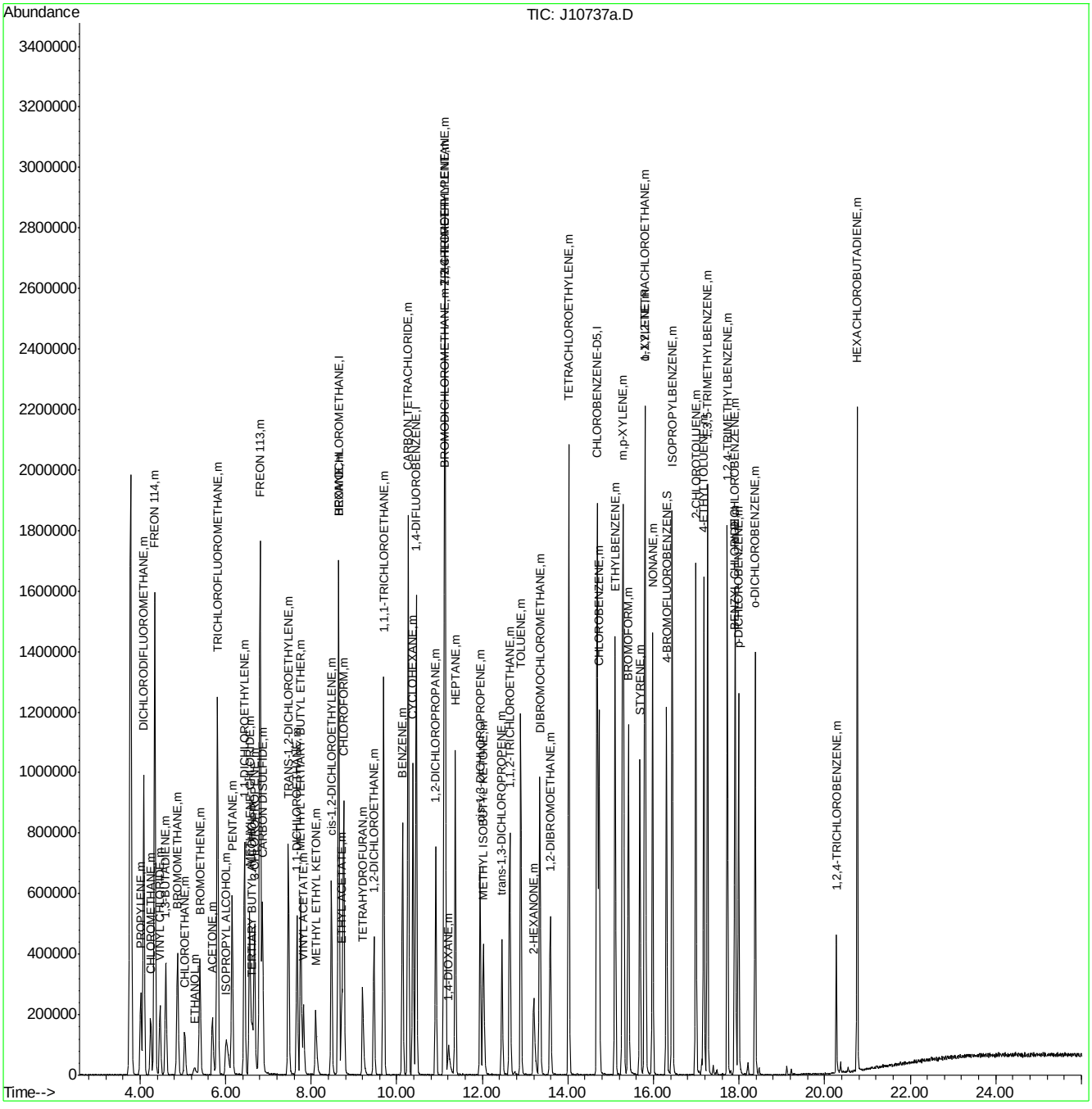
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	388757	9.16	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.95	75	377142	10.48	PPBV	98
46) TOLUENE	12.90	92	527518	11.14	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.45	75	290004	8.46	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	254527	10.34	PPBV	98
50) 2-HEXANONE	13.20	43	272464	7.54	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	483746	10.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	685920	9.96	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	455838	9.74	PPBV	100
54) CHLOROBENZENE	14.72	112	726133	10.06	PPBV	97
55) ETHYLBENZENE	15.10	91	1141753	11.91	PPBV	99
56) m,p-XYLENE	15.29	106	934942	24.56	PPBV	94
57) o-XYLENE	15.80	106	471461	9.97	PPBV	98
58) STYRENE	15.68	104	570335	11.84	PPBV	99
59) NONANE	15.98	43	499989	13.67	PPBV	99
60) BROMOFORM	15.41	173	655834	9.74	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	569812	9.79	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1382160	11.33	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	931470	12.28	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1068948	12.43	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1091265	12.08	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	946715	13.68	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	596500	10.84	PPBV	100
69) BENZYL CHLORIDE	17.89	91	379757	9.78	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	518003	10.68	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	543920	10.87	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	371513	11.63	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	126764	11.63	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10737a.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : cc556-10 (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 17:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10737.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : icv556-10 (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 09:23:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	320244	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1347074	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1210672	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	406390	5.41	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.09	85	1251942	12.25	PPBV	99
3) PROPYLENE	4.02	41	194637	12.93	PPBV	93
4) FREON 114	4.34	85	1093229	12.36	PPBV	96
5) CHLOROMETHANE	4.25	50	262287	12.59	PPBV	99
6) VINYL CHLORIDE	4.47	62	312911	12.83	PPBV	98
7) 1,3-BUTADIENE	4.60	39	236530	12.81	PPBV	94
8) BROMOMETHANE	4.87	94	361701	11.90	PPBV	99
9) CHLOROETHANE	5.04	64	148362	12.61	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.81	101	1330289	12.05	PPBV	100
11) ISOPROPYL ALCOHOL	6.01	45	333715	12.13	PPBV	95
12) ACETONE	5.69	43	335470	12.60	PPBV	96
13) PENTANE	6.16	42	274849	12.08	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.44	96	343576	11.20	PPBV	91
15) CARBON DISULFIDE	6.86	76	966004	11.11	PPBV	97
16) ETHANOL	5.28	45	50201	8.08	PPBV	87
17) BROMOETHENE	5.40	106	364685	11.95	PPBV	98
18) METHYLENE CHLORIDE	6.56	84	299567	11.87	PPBV	94
19) 3-CHLOROPROPENE	6.68	39	293420	11.70	PPBV	93
20) FREON 113	6.80	151	761595	10.61	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	333890	10.98	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.61	59	435912	10.66	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.75	73	663201	10.10	PPBV	97
24) TETRAHYDROFURAN	9.20	42	194258	9.52	PPBV	96
25) HEXANE	8.64	57	351657	9.41	PPBV	97
26) VINYL ACETATE	7.82	43	384790	10.03	PPBV	97
27) 1,1-DICHLOROETHANE	7.67	63	546865	10.62	PPBV	99
28) METHYL ETHYL KETONE	8.10	43	373680	9.21	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	305720	10.08	PPBV	95
30) ETHYL ACETATE	8.72	43	403226	9.37	PPBV	99
31) CHLOROFORM	8.76	83	767126	10.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	933714	10.99	PPBV	99
33) CARBON TETRACHLORIDE	10.27	117	1175776	11.35	PPBV	99
34) 1,2-DICHLOROETHANE	9.47	62	439607	10.10	PPBV	100
36) BENZENE	10.14	78	742618	10.18	PPBV	99
37) CYCLOHEXANE	10.38	84	389244	11.08	PPBV	98
38) TRICHLOROETHYLENE	11.13	95	392127	10.40	PPBV	98
39) 1,2-DICHLOROPROPANE	10.91	63	242018	10.31	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	681405	10.34	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1300525	11.64	PPBV	100
42) 1,4-DIOXANE	11.21	88	114575	7.26	PPBV	92
43) HEPTANE	11.37	43	386979	10.88	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10737.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : icv556-10 (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 09:23:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration

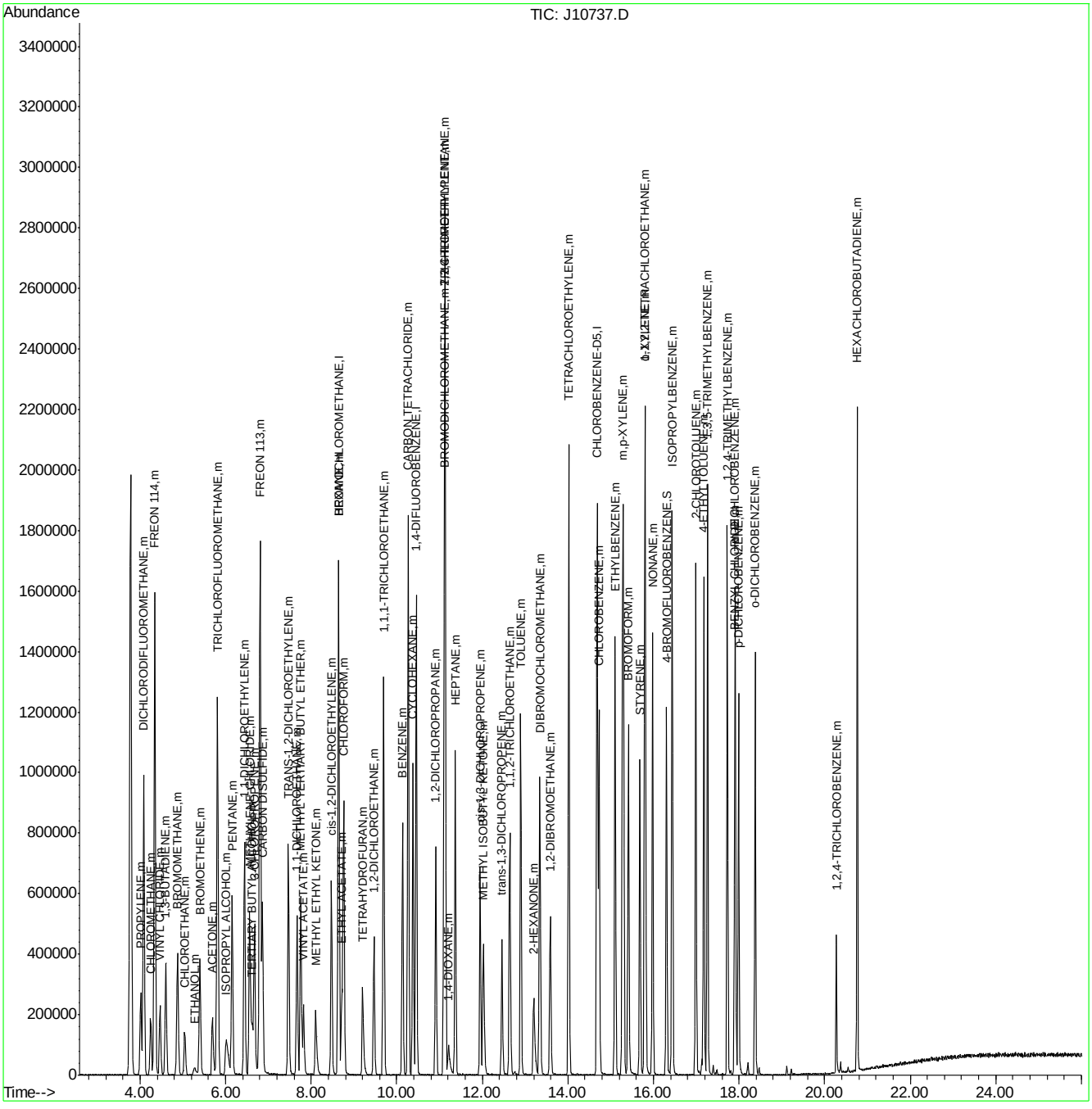
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	388757	9.16	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.95	75	377142	10.48	PPBV	98
46) TOLUENE	12.90	92	527518	11.14	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.45	75	290004	8.46	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	254527	10.34	PPBV	98
50) 2-HEXANONE	13.20	43	272464	7.54	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	483746	10.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	685920	9.96	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	455838	9.74	PPBV	100
54) CHLOROBENZENE	14.72	112	726133	10.06	PPBV	97
55) ETHYLBENZENE	15.10	91	1141753	11.91	PPBV	99
56) m,p-XYLENE	15.29	106	934942	24.56	PPBV	94
57) o-XYLENE	15.80	106	471461	9.97	PPBV	98
58) STYRENE	15.68	104	570335	11.84	PPBV	99
59) NONANE	15.98	43	499989	13.67	PPBV	99
60) BROMOFORM	15.41	173	655834	9.74	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	569812	9.79	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1382160	11.33	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	931470	12.28	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1068948	12.43	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1091265	12.08	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	946715	13.68	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	596500	10.84	PPBV	100
69) BENZYL CHLORIDE	17.89	91	379757	9.78	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	518003	10.68	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	543920	10.87	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	371513	11.63	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	126764	11.63	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10737.D
Acq On : 22 Jun 2007 5:13 pm
Operator : danat
Sample : icv556-10 (m045)
Misc : MS13762, MSJ556,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 09:23:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 22 17:13:57 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	209689	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.465	114	900241	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	823235	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.327	95	331912	5.22	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 104.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	2764917	25.14	PPBV	99
3) PROPYLENE	3.967	41	463358	18.48	PPBV	93
4) FREON 114	4.299	85	2605725	26.43	PPBV	99
5) CHLOROMETHANE	4.200	50	588876	23.88	PPBV	100
6) VINYL CHLORIDE	4.424	62	709338	24.05	PPBV	98
7) 1,3-BUTADIENE	4.559	39	593214	25.73	PPBV	97
8) BROMOMETHANE	4.835	94	814543	25.07	PPBV	98
9) CHLOROETHANE	5.009	64	321452	29.01	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.788	101	2819081	28.06	PPBV	99
11) ISOPROPYL ALCOHOL	5.826	45	1072785	21.76	PPBV	95
12) ACETONE	5.593	43	1144521	20.32	PPBV	95
13) PENTANE	6.143	42	640928	24.30	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.429	96	827113	26.29	PPBV	97
15) CARBON DISULFIDE	6.859	76	2162566	31.24	PPBV	97
16) ETHANOL	5.100	45	187769	20.19	PPBV	99
17) BROMOETHENE	5.368	106	829145	26.30	PPBV	99
18) METHYLENE CHLORIDE	6.539	84	1001868	21.51	PPBV	96
19) 3-CHLOROPROPENE	6.662	39	701260	34.18	PPBV	87
20) FREON 113	6.798	151	1899447	28.28	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.469	96	814099	29.58	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.431	59	1412204	31.25	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	1913473	29.93	PPBV	96
24) TETRAHYDROFURAN	9.137	42	605146	25.37	PPBV	95
25) HEXANE	8.671	57	1125130	23.22	PPBV	96
26) VINYL ACETATE	7.789	43	1400317	30.03	PPBV	97
27) 1,1-DICHLOROETHANE	7.666	63	1444949	30.46	PPBV	99
28) METHYL ETHYL KETONE	8.032	43	1210279	24.61	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.474	96	800359	29.14	PPBV	96
30) ETHYL ACETATE	8.664	43	2163136	25.03	PPBV	100
31) CHLOROFORM	8.758	83	1982961	29.06	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.709	97	2103880	31.51	PPBV	99
33) CARBON TETRACHLORIDE	10.291	117	2359836	31.33	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	1225815	29.17	PPBV	100
36) BENZENE	10.153	78	2174884	29.80	PPBV	99
37) CYCLOHEXANE	10.413	84	848595	26.56	PPBV	95
38) TRICHLOROETHYLENE	11.148	95	1206086	31.39	PPBV	97
39) 1,2-DICHLOROPROPANE	10.926	63	730815	27.91	PPBV	94
40) BROMODICHLOROMETHANE	11.111	83	2014509	35.19	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.173	57	3305846	28.77	PPBV #	95
42) 1,4-DIOXANE	11.134	88	414757	28.40	PPBV	90
43) HEPTANE	11.409	43	1202132	27.07	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

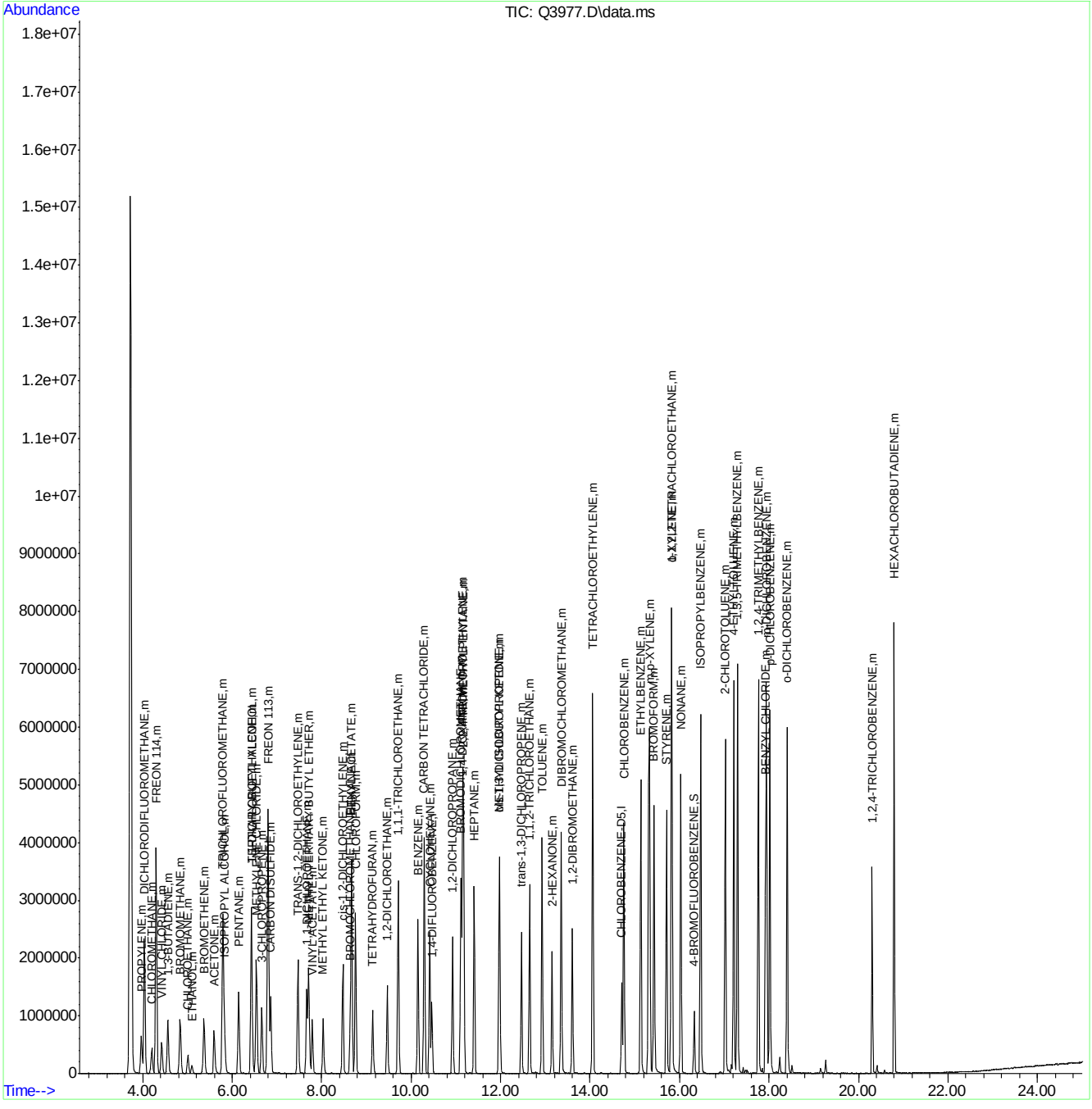
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	1520935	27.65 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.965	75	1207500	33.05 PPBV	94
46) TOLUENE	12.927	92	1581036	31.89 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.465	75	1165405	34.87 PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.648	83	800561	30.07 PPBV	96
50) 2-HEXANONE	13.150	43	1382686	26.36 PPBV	99
51) TETRACHLOROETHYLENE	14.059	164	1421801	35.41 PPBV	93
52) DIBROMOCHLOROMETHANE	13.354	129	2135418	39.37 PPBV	100
53) 1,2-DIBROMOETHANE	13.603	107	1571117	31.44 PPBV	100
54) CHLOROBENZENE	14.755	112	2221182	31.53 PPBV	99
55) ETHYLBENZENE	15.133	91	3644300	31.86 PPBV	100
56) m,p-XYLENE	15.328	106	2775968	64.26 PPBV	100
57) o-XYLENE	15.830	106	1407471	32.62 PPBV	99
58) STYRENE	15.708	104	2147858	35.36 PPBV	98
59) NONANE	16.027	43	1834075	28.58 PPBV	99
60) BROMOFORM	15.429	173	2258113	47.37 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	2099510	29.14 PPBV	99
63) ISOPROPYLBENZENE	16.473	105	4258033	33.31 PPBV	99
64) 2-CHLOROTOLUENE	17.023	91	3126389	32.55 PPBV	98
65) 4-ETHYLTOLUENE	17.211	105	4074248	35.37 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.296	105	3745031	33.78 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.761	105	3604402	34.94 PPBV	100
68) m-DICHLOROBENZENE	17.944	146	2539128	37.83 PPBV	97
69) BENZYL CHLORIDE	17.921	91	2414286	43.50 PPBV	98
70) p-DICHLOROBENZENE	18.018	146	2494039	36.55 PPBV	98
71) o-DICHLOROBENZENE	18.404	146	2309553	35.22 PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	1230652	27.16 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	925743	33.17 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	221510	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	1017396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	906135	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	350551	4.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1415090	19.96	PPBV	99
3) PROPYLENE	3.966	41	259744	21.15	PPBV	91
4) FREON 114	4.296	85	1351542	20.12	PPBV	99
5) CHLOROMETHANE	4.196	50	315570	20.39	PPBV	98
6) VINYL CHLORIDE	4.420	62	382075	20.60	PPBV	98
7) 1,3-BUTADIENE	4.557	39	305711	20.06	PPBV	98
8) BROMOMETHANE	4.834	94	435076	20.45	PPBV	100
9) CHLOROETHANE	5.007	64	168444	20.48	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	1396921	19.71	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	556039	20.39	PPBV	96
12) ACETONE	5.591	43	581901	20.24	PPBV	98
13) PENTANE	6.142	42	325328	20.22	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	417221	20.01	PPBV	99
15) CARBON DISULFIDE	6.857	76	1078342	20.07	PPBV	100
16) ETHANOL	5.100	45	103227	21.35	PPBV	96
17) BROMOETHENE	5.370	106	434977	20.48	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	497973	19.95	PPBV	99
19) 3-CHLOROPROPENE	6.658	39	319110	19.38	PPBV	99
20) FREON 113	6.798	151	955564	19.95	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.466	96	404542	19.93	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.426	59	714259	20.03	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.707	73	934883	19.80	PPBV	99
24) TETRAHYDROFURAN	9.139	42	308804	20.59	PPBV	99
25) HEXANE	8.667	57	577385	20.12	PPBV	100
26) VINYL ACETATE	7.789	43	701213	20.77	PPBV	97
27) 1,1-DICHLOROETHANE	7.661	63	677854	19.66	PPBV	100
28) METHYL ETHYL KETONE	8.032	43	613944	20.31	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.472	96	387992	20.26	PPBV	99
30) ETHYL ACETATE	8.665	43	1101453	20.37	PPBV	100
31) CHLOROFORM	8.754	83	946232	19.69	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.709	97	973350	19.60	PPBV	100
33) CARBON TETRACHLORIDE	10.293	117	1138392	19.69	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	571035	19.81	PPBV	100
36) BENZENE	10.147	78	1029221	19.36	PPBV	100
37) CYCLOHEXANE	10.413	84	423009	19.10	PPBV	95
38) TRICHLOROETHYLENE	11.145	95	560188	18.86	PPBV	99
39) 1,2-DICHLOROPROPANE	10.925	63	347524	19.24	PPBV	99
40) BROMODICHLOROMETHANE	11.106	83	924349	18.94	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.171	57	1548803	18.85	PPBV	100
42) 1,4-DIOXANE	11.129	88	205821	19.76	PPBV #	87
43) HEPTANE	11.407	43	573305	19.08	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration

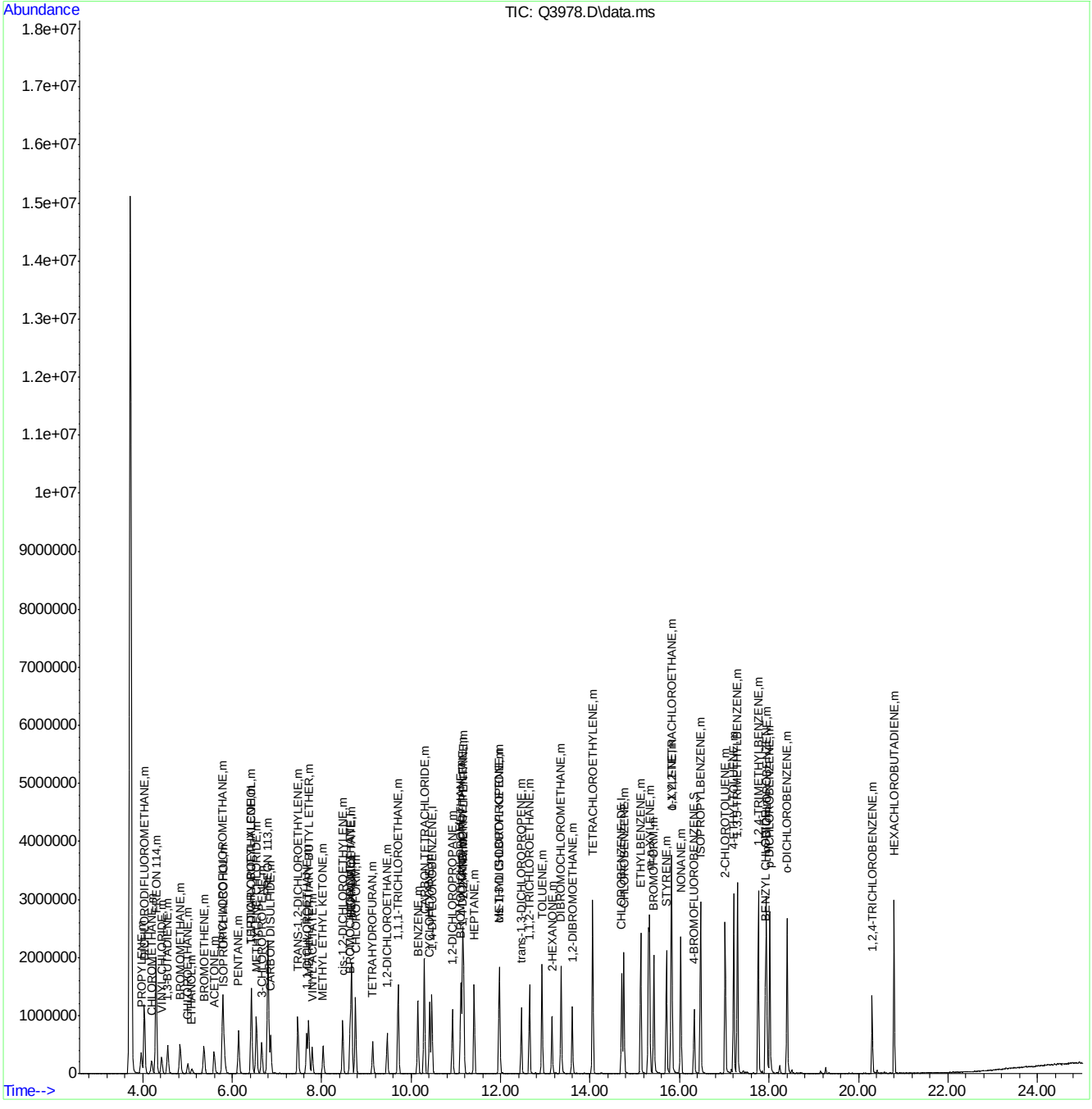
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	750728	19.65 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.963	75	549645	18.94 PPBV	99
46) TOLUENE	12.925	92	738920	19.10 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.462	75	533590	19.23 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.644	83	374786	18.95 PPBV	100
50) 2-HEXANONE	13.145	43	654654	19.69 PPBV	100
51) TETRACHLOROETHYLENE	14.057	164	648314	18.98 PPBV	99
52) DIBROMOCHLOROMETHANE	13.352	129	955089	19.03 PPBV	99
53) 1,2-DIBROMOETHANE	13.601	107	726832	19.49 PPBV	97
54) CHLOROBENZENE	14.751	112	1029097	19.20 PPBV	100
55) ETHYLBENZENE	15.131	91	1694424	19.17 PPBV	100
56) m,p-XYLENE	15.324	106	1308622	38.89 PPBV	97
57) o-XYLENE	15.825	106	658491	19.30 PPBV	99
58) STYRENE	15.708	104	1003139	19.53 PPBV	99
59) NONANE	16.025	43	847096	19.14 PPBV	100
60) BROMOFORM	15.425	173	991927	19.09 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	984430	19.36 PPBV	99
63) ISOPROPYLBENZENE	16.469	105	1996951	19.26 PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	1449660	19.19 PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	1869312	18.98 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.294	105	1746289	19.09 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	1667884	19.22 PPBV	100
68) m-DICHLOROBENZENE	17.942	146	1128474	18.97 PPBV	99
69) BENZYL CHLORIDE	17.919	91	1033483	19.20 PPBV	99
70) p-DICHLOROBENZENE	18.015	146	1109710	18.83 PPBV	99
71) o-DICHLOROBENZENE	18.403	146	1035278	18.95 PPBV	100
72) HEXACHLOROBUTADIENE	20.796	225	479831	16.04 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	369063	17.20 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M66000R

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	220494	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1001449	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	880366	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	333768	4.91	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	684837	5.92	PPBV	99
3) PROPYLENE	3.969	41	122643	4.65	PPBV	95
4) FREON 114	4.294	85	652207	6.29	PPBV	97
5) CHLOROMETHANE	4.198	50	153377	5.92	PPBV	98
6) VINYL CHLORIDE	4.420	62	182843	5.89	PPBV	99
7) 1,3-BUTADIENE	4.557	39	147444	6.08	PPBV	98
8) BROMOMETHANE	4.832	94	209484	6.13	PPBV	98
9) CHLOROETHANE	5.009	64	79274	6.80	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.792	101	669866	6.34	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	260910	5.03	PPBV	91
12) ACETONE	5.597	43	271384	4.58	PPBV	96
13) PENTANE	6.143	42	151747	5.47	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.424	96	197716	5.98	PPBV	100
15) CARBON DISULFIDE	6.860	76	501376	6.89	PPBV	99
16) ETHANOL	5.094	45	46893	4.80	PPBV	96
17) BROMOETHENE	5.366	106	204863	6.18	PPBV	99
18) METHYLENE CHLORIDE	6.543	84	233626	4.77	PPBV	97
19) 3-CHLOROPROPENE	6.660	39	143435	6.65	PPBV	90
20) FREON 113	6.798	151	454376	6.43	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.471	96	190141	6.57	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.433	59	338527	7.12	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.709	73	436907	6.50	PPBV	96
24) TETRAHYDROFURAN	9.141	42	139518	5.56	PPBV	96
25) HEXANE	8.669	57	275527	5.41	PPBV	96
26) VINYL ACETATE	7.788	43	304116	6.20	PPBV	99
27) 1,1-DICHLOROETHANE	7.664	63	306494	6.14	PPBV	99
28) METHYL ETHYL KETONE	8.033	43	283771	5.49	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	170796	5.91	PPBV	95
30) ETHYL ACETATE	8.663	43	507901	5.59	PPBV	100
31) CHLOROFORM	8.754	83	435311	6.07	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.711	97	435829	6.21	PPBV	98
33) CARBON TETRACHLORIDE	10.294	117	530865	6.70	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	251517	5.69	PPBV	100
36) BENZENE	10.147	78	441877	5.44	PPBV	99
37) CYCLOHEXANE	10.412	84	200023	5.63	PPBV	93
38) TRICHLOROETHYLENE	11.146	95	249363	5.83	PPBV	97
39) 1,2-DICHLOROPROPANE	10.925	63	152398	5.23	PPBV	94
40) BROMODICHLOROMETHANE	11.109	83	400370	6.29	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	698559	5.47	PPBV #	95
42) 1,4-DIOXANE	11.136	88	89658	5.52	PPBV	86
43) HEPTANE	11.407	43	257337	5.21	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

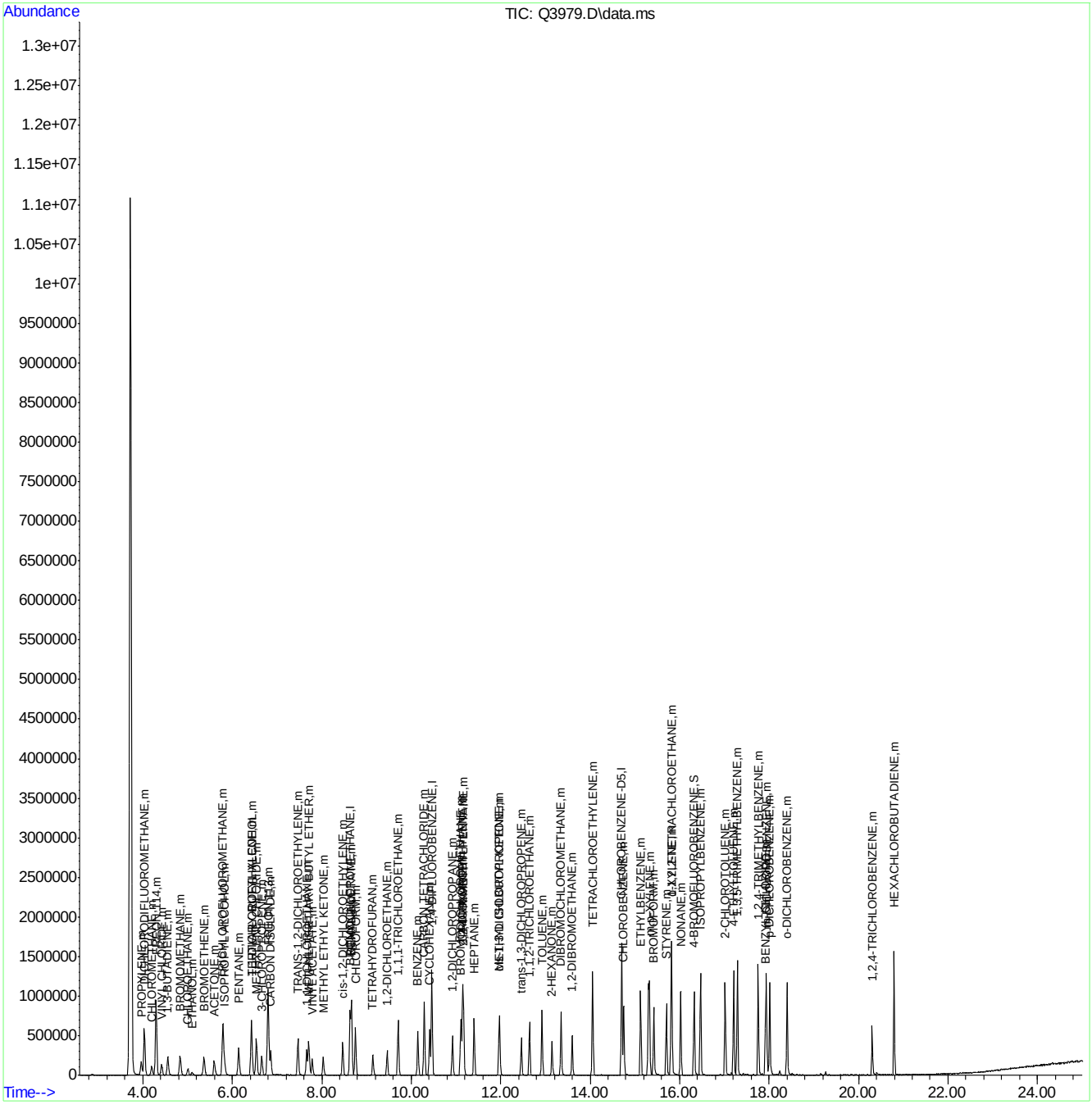
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	329287	5.38	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.965	75	235451	5.79	PPBV	93
46) TOLUENE	12.923	92	321727	5.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.463	75	222144	5.97	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.641	83	166704	5.63	PPBV	96
50) 2-HEXANONE	13.147	43	276432	4.93	PPBV	99
51) TETRACHLOROETHYLENE	14.055	164	283522	6.60	PPBV	93
52) DIBROMOCHLOROMETHANE	13.349	129	404442	6.97	PPBV	100
53) 1,2-DIBROMOETHANE	13.599	107	304701	5.70	PPBV	98
54) CHLOROBENZENE	14.753	112	447537	5.94	PPBV	99
55) ETHYLBENZENE	15.131	91	743600	6.08	PPBV	99
56) m,p-XYLENE	15.326	106	565606	12.24	PPBV	99
57) o-XYLENE	15.825	106	286811	6.22	PPBV	99
58) STYRENE	15.704	104	423629	6.52	PPBV	98
59) NONANE	16.025	43	369576	5.38	PPBV	99
60) BROMOFORM	15.422	173	406035	7.96	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	426609	5.54	PPBV	99
63) ISOPROPYLBENZENE	16.469	105	875964	6.41	PPBV	100
64) 2-CHLOROTOLUENE	17.019	91	631878	6.15	PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	824684	6.69	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	775965	6.55	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	722221	6.55	PPBV	99
68) m-DICHLOROBENZENE	17.940	146	476931	6.64	PPBV	98
69) BENZYL CHLORIDE	17.919	91	400424	6.75	PPBV	99
70) p-DICHLOROBENZENE	18.013	146	478607	6.56	PPBV	97
71) o-DICHLOROBENZENE	18.402	146	444325	6.34	PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	252179	5.20	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	169444	5.68	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66000R

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	205904	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	947064	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	825944	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	299530	4.65	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 93.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	343505	5.22	PPBV	100
3) PROPYLENE	3.964	41	61635	5.30	PPBV	93
4) FREON 114	4.296	85	314869	5.03	PPBV	99
5) CHLOROMETHANE	4.195	50	76735	5.30	PPBV	87
6) VINYL CHLORIDE	4.422	62	87867	5.05	PPBV	96
7) 1,3-BUTADIENE	4.557	39	69485	4.90	PPBV	99
8) BROMOMETHANE	4.835	94	98181	4.93	PPBV	98
9) CHLOROETHANE	5.011	64	35742	4.64	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	321040	4.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.828	45	117237	4.59	PPBV	99
12) ACETONE	5.604	43	124462	4.64	PPBV	99
13) PENTANE	6.143	42	71560	4.77	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.426	96	88811	4.58	PPBV	95
15) CARBON DISULFIDE	6.859	76	235052	4.70	PPBV	96
16) ETHANOL	5.098	45	21109	4.59	PPBV	81
17) BROMOETHENE	5.366	106	96113	4.83	PPBV	100
18) METHYLENE CHLORIDE	6.541	84	105900	4.57	PPBV	98
19) 3-CHLOROPROPENE	6.663	39	60854	4.02	PPBV	99
20) FREON 113	6.797	151	211145	4.75	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.469	96	83754	4.44	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.436	59	151527	4.57	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.711	73	193415	4.42	PPBV	98
24) TETRAHYDROFURAN	9.145	42	60382	4.29	PPBV	100
25) HEXANE	8.667	57	123008	4.60	PPBV	98
26) VINYL ACETATE	7.790	43	134640	4.24	PPBV	99
27) 1,1-DICHLOROETHANE	7.668	63	134750	4.23	PPBV	99
28) METHYL ETHYL KETONE	8.037	43	124754	4.42	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.468	96	73064	4.09	PPBV	98
30) ETHYL ACETATE	8.664	43	224825	4.45	PPBV	100
31) CHLOROFORM	8.754	83	190838	4.29	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.707	97	187302	4.08	PPBV	100
33) CARBON TETRACHLORIDE	10.295	117	232563	4.35	PPBV	100
34) 1,2-DICHLOROETHANE	9.461	62	112746	4.22	PPBV	98
36) BENZENE	10.147	78	190581	3.89	PPBV	99
37) CYCLOHEXANE	10.410	84	88053	4.34	PPBV	100
38) TRICHLOROETHYLENE	11.145	95	107659	3.97	PPBV	100
39) 1,2-DICHLOROPROPANE	10.921	63	66643	4.01	PPBV	99
40) BROMODICHLOROMETHANE	11.106	83	176485	3.96	PPBV	95
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	302789	4.04	PPBV	100
42) 1,4-DIOXANE	11.141	88	38223	3.96	PPBV #	55
43) HEPTANE	11.407	43	108447	3.94	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration

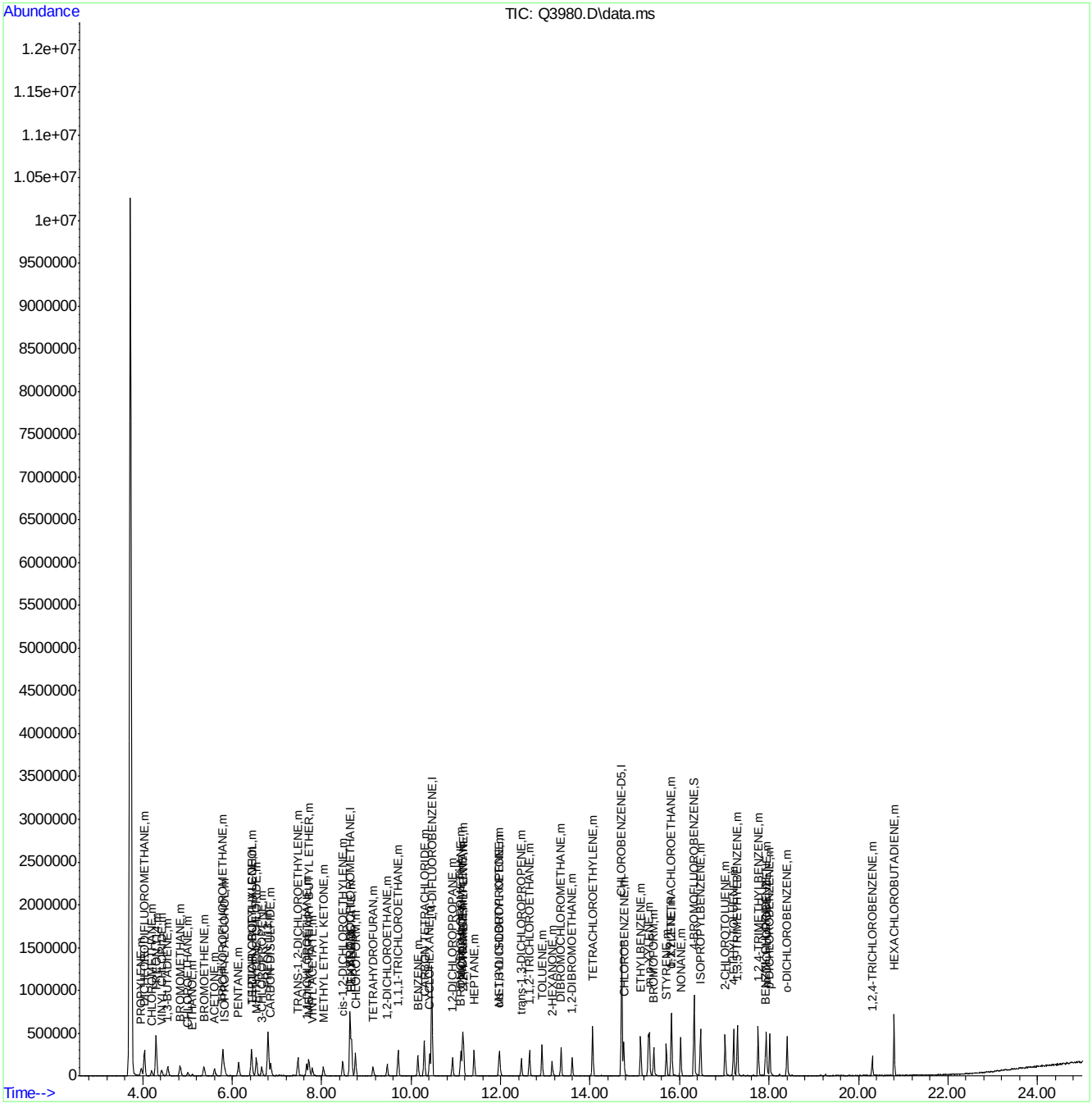
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	137692	3.89	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.963	75	100108	3.77	PPBV	99
46) TOLUENE	12.927	92	137452	3.88	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	93432	3.66	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.646	83	73208	4.05	PPBV	99
50) 2-HEXANONE	13.149	43	116486	3.86	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	122725	4.01	PPBV	99
52) DIBROMOCHLOROMETHANE	13.351	129	166726	3.70	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	132216	3.92	PPBV	97
54) CHLOROBENZENE	14.751	112	194984	4.05	PPBV	98
55) ETHYLBENZENE	15.131	91	318008	4.00	PPBV	100
56) m,p-XYLENE	15.323	106	242151	7.97	PPBV	99
57) o-XYLENE	15.825	106	121195	3.94	PPBV	98
58) STYRENE	15.702	104	170488	3.67	PPBV	99
59) NONANE	16.022	43	154715	3.89	PPBV	100
60) BROMOFORM	15.426	173	157513	3.38	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	180416	3.93	PPBV	100
63) ISOPROPYLBENZENE	16.469	105	364704	3.91	PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	261307	3.85	PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	325376	3.69	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	320237	3.90	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	294793	3.78	PPBV	100
68) m-DICHLOROBENZENE	17.942	146	190127	3.57	PPBV	98
69) BENZYL CHLORIDE	17.917	91	143278	2.96	PPBV	98
70) p-DICHLOROBENZENE	18.015	146	198189	3.76	PPBV	98
71) o-DICHLOROBENZENE	18.402	146	183920	3.76	PPBV	99
72) HEXACHLOROBUTADIENE	20.794	225	110446	4.34	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	66830	3.58	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	202445	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	918040	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	788203	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	279986	4.64	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	135106	2.06	PPBV	98
3) PROPYLENE	3.966	41	21867	1.88	PPBV	85
4) FREON 114	4.303	85	117212	1.90	PPBV	99
5) CHLOROMETHANE	4.200	50	29469	2.04	PPBV	95
6) VINYL CHLORIDE	4.424	62	33455	1.95	PPBV	98
7) 1,3-BUTADIENE	4.560	39	26878	1.94	PPBV	97
8) BROMOMETHANE	4.837	94	37618	1.93	PPBV	96
9) CHLOROETHANE	5.008	64	12858	1.73	PPBV #	80
10) TRICHLOROFLUOROMETHANE	5.790	101	122647	1.91	PPBV	99
11) ISOPROPYL ALCOHOL	5.835	45	51199	2.08	PPBV	94
12) ACETONE	5.609	43	56607	2.19	PPBV	99
13) PENTANE	6.143	42	27393	1.88	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.422	96	36156	1.94	PPBV	98
15) CARBON DISULFIDE	6.855	76	86669	1.79	PPBV	93
16) ETHANOL	5.103	45	9528	2.15	PPBV #	60
17) BROMOETHENE	5.366	106	36520	1.88	PPBV	98
18) METHYLENE CHLORIDE	6.543	84	45947	2.06	PPBV	99
19) 3-CHLOROPROPENE	6.655	39	25084	1.77	PPBV	92
20) FREON 113	6.802	151	84756	1.96	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.471	96	32193	1.79	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.445	59	59741	1.87	PPBV	94
23) METHYL TERTIARY BUTYL ...	7.718	73	80070	1.92	PPBV	96
24) TETRAHYDROFURAN	9.153	42	23878	1.79	PPBV	99
25) HEXANE	8.669	57	58475	2.27	PPBV	97
26) VINYL ACETATE	7.794	43	56274	1.87	PPBV	88
27) 1,1-DICHLOROETHANE	7.664	63	51599	1.71	PPBV	98
28) METHYL ETHYL KETONE	8.039	43	48007	1.78	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.467	96	27906	1.66	PPBV	99
30) ETHYL ACETATE	8.671	43	96352	1.99	PPBV	99
31) CHLOROFORM	8.747	83	73317	1.74	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.713	97	71737	1.67	PPBV	99
33) CARBON TETRACHLORIDE	10.295	117	86881	1.71	PPBV	99
34) 1,2-DICHLOROETHANE	9.466	62	44708	1.77	PPBV	99
36) BENZENE	10.147	78	73898	1.65	PPBV	99
37) CYCLOHEXANE	10.419	84	34018	1.79	PPBV	98
38) TRICHLOROETHYLENE	11.148	95	41891	1.68	PPBV	98
39) 1,2-DICHLOROPROPANE	10.926	63	26803	1.75	PPBV	99
40) BROMODICHLOROMETHANE	11.107	83	64689	1.58	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.170	57	114231	1.65	PPBV	98
42) 1,4-DIOXANE	11.143	88	13805	1.56	PPBV #	48
43) HEPTANE	11.409	43	41873	1.66	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration

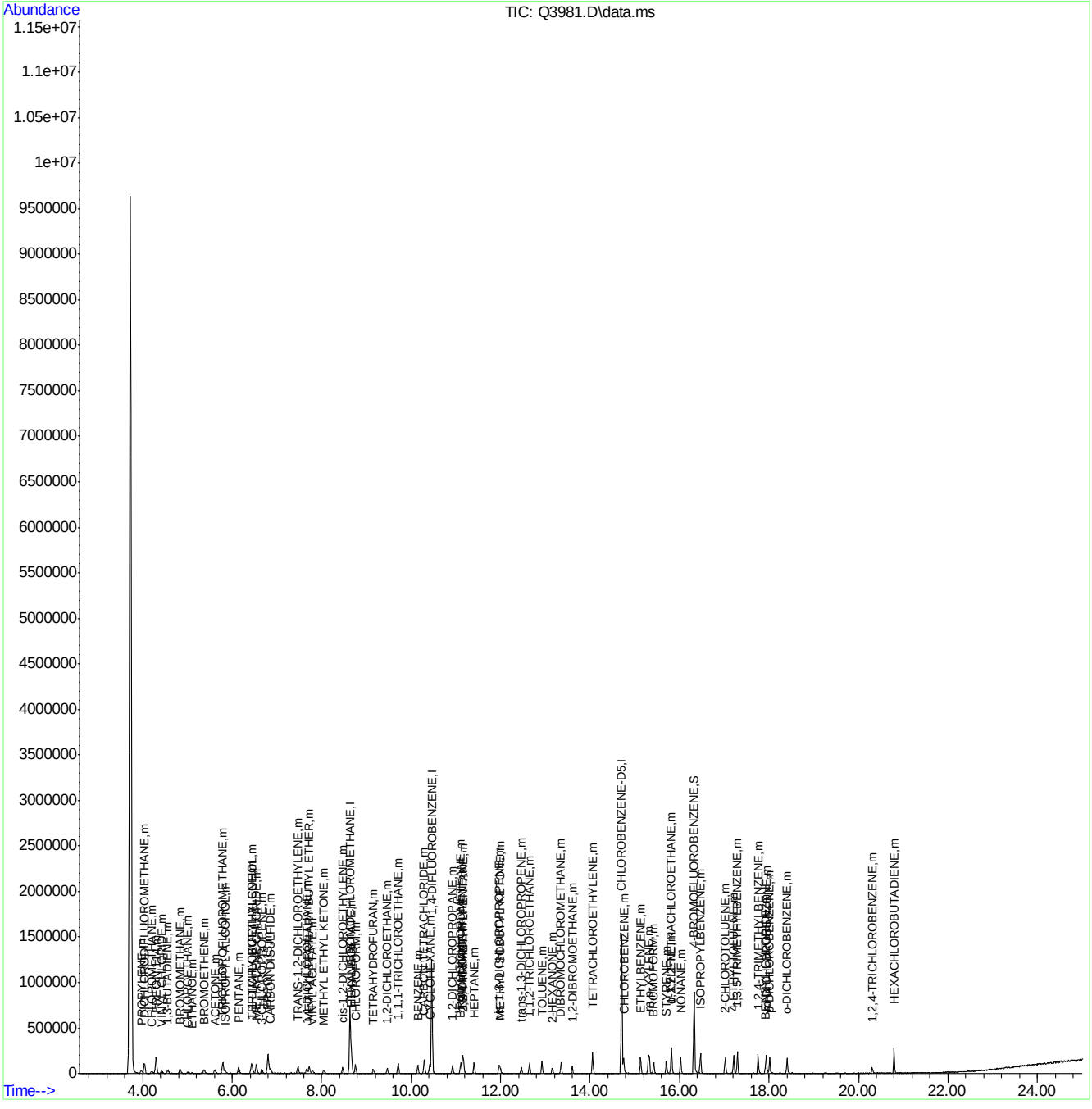
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	54390	1.68	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.961	75	36320	1.50	PPBV	94
46) TOLUENE	12.923	92	52232	1.61	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.465	75	34173	1.48	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.646	83	29207	1.75	PPBV	99
50) 2-HEXANONE	13.152	43	41483	1.53	PPBV	98
51) TETRACHLOROETHYLENE	14.059	164	46206	1.66	PPBV	98
52) DIBROMOCHLOROMETHANE	13.349	129	62068	1.55	PPBV	100
53) 1,2-DIBROMOETHANE	13.597	107	50495	1.66	PPBV	98
54) CHLOROBENZENE	14.753	112	74553	1.70	PPBV	99
55) ETHYLBENZENE	15.129	91	121331	1.68	PPBV	100
56) m,p-XYLENE	15.303	106	92276	3.35	PPBV	99
57) o-XYLENE	15.827	106	47194	1.70	PPBV	98
58) STYRENE	15.702	104	61380	1.48	PPBV	99
59) NONANE	16.024	43	59653	1.66	PPBV	99
60) BROMOFORM	15.422	173	56101	1.37	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	67547	1.63	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	141125	1.68	PPBV	99
64) 2-CHLOROTOLUENE	17.017	91	99183	1.62	PPBV	98
65) 4-ETHYLTOLUENE	17.211	105	120772	1.53	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	116359	1.57	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	109161	1.56	PPBV	99
68) m-DICHLOROBENZENE	17.939	146	72641	1.54	PPBV	99
69) BENZYL CHLORIDE	17.917	91	46385	1.12	PPBV	98
70) p-DICHLOROBENZENE	18.013	146	71778	1.52	PPBV	96
71) o-DICHLOROBENZENE	18.400	146	67267	1.54	PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	43134	1.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.310	180	21627	1.31	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66000R

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	196436	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	898497	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	762074	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	260219	4.52	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	33383	0.52	PPBV	96
3) PROPYLENE	3.969	41	5450m	0.49	PPBV	
4) FREON 114	4.298	85	30786	0.52	PPBV	99
5) CHLOROMETHANE	4.193	50	6815	0.48	PPBV #	42
6) VINYL CHLORIDE	4.418	62	7979	0.48	PPBV	90
7) 1,3-BUTADIENE	4.553	39	7326	0.55	PPBV #	23
8) BROMOMETHANE	4.827	94	9674	0.51	PPBV #	57
9) CHLOROETHANE	5.009	64	3980	0.57	PPBV #	61
10) TRICHLOROFLUOROMETHANE	5.794	101	35548	0.58	PPBV	99
11) ISOPROPYL ALCOHOL	5.845	45	19323	0.80	PPBV	93
12) ACETONE	5.611	43	21472	0.84	PPBV	97
13) PENTANE	6.140	42	7782m	0.56	PPBV	
14) 1,1-DICHLOROETHYLENE	6.429	96	9567	0.53	PPBV	94
15) CARBON DISULFIDE	6.862	76	22470	0.49	PPBV	94
16) ETHANOL	5.116	45	3143m	0.72	PPBV	
17) BROMOETHENE	5.370	106	10273	0.55	PPBV #	91
18) METHYLENE CHLORIDE	6.534	84	19466	0.89	PPBV	99
19) 3-CHLOROPROPENE	6.663	39	7752	0.58	PPBV #	79
20) FREON 113	6.804	151	24522	0.59	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.471	96	8761	0.51	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.465	59	16229	0.53	PPBV	85
23) METHYL TERTIARY BUTYL ...	7.727	73	20083	0.50	PPBV	93
24) TETRAHYDROFURAN	9.169	42	6006	0.47	PPBV #	76
25) HEXANE	8.669	57	20205	0.79	PPBV	97
26) VINYL ACETATE	7.796	43	14182	0.49	PPBV	93
27) 1,1-DICHLOROETHANE	7.666	63	15078	0.53	PPBV	99
28) METHYL ETHYL KETONE	8.048	43	13964	0.55	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.472	96	7412	0.47	PPBV	97
30) ETHYL ACETATE	8.676	43	27945	0.60	PPBV #	95
31) CHLOROFORM	8.752	83	20365	0.51	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.714	97	20211	0.50	PPBV	98
33) CARBON TETRACHLORIDE	10.291	117	23125	0.48	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	11552	0.48	PPBV	96
36) BENZENE	10.151	78	19179	0.45	PPBV	99
37) CYCLOHEXANE	10.415	84	8315	0.46	PPBV	100
38) TRICHLOROETHYLENE	11.147	95	10350	0.44	PPBV	90
39) 1,2-DICHLOROPROPANE	10.923	63	7272	0.50	PPBV	96
40) BROMODICHLOROMETHANE	11.104	83	16086	0.42	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	30682	0.47	PPBV	98
42) 1,4-DIOXANE	11.161	88	4015	0.48	PPBV #	1
43) HEPTANE	11.404	43	11193	0.47	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

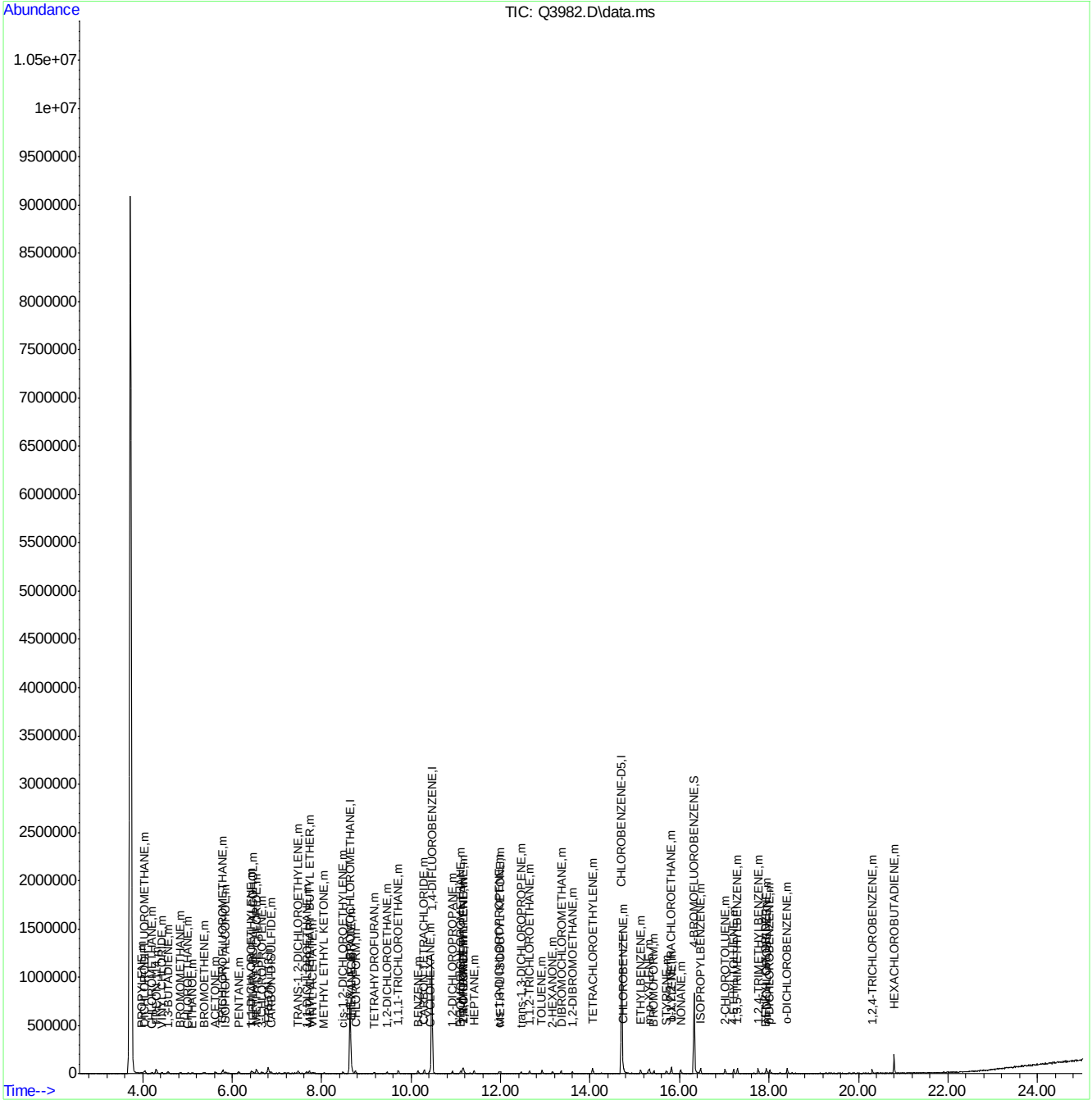
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	13986	0.46	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.966	75	9146	0.41	PPBV	93
46) TOLUENE	12.918	92	13119	0.43	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.462	75	7753	0.36	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.643	83	7148	0.45	PPBV	98
50) 2-HEXANONE	13.159	43	12565	0.50	PPBV	95
51) TETRACHLOROETHYLENE	14.057	164	12458	0.48	PPBV	97
52) DIBROMOCHLOROMETHANE	13.353	129	14127	0.38	PPBV	97
53) 1,2-DIBROMOETHANE	13.597	107	12953	0.46	PPBV #	98
54) CHLOROBENZENE	14.749	112	18637	0.45	PPBV	96
55) ETHYLBENZENE	15.127	91	27066	0.40	PPBV	97
56) m,p-XYLENE	15.323	106	20206m	0.78	PPBV	
57) o-XYLENE	15.821	106	10481	0.40	PPBV	95
58) STYRENE	15.702	104	12720	0.34	PPBV	96
59) NONANE	16.024	43	13031	0.39	PPBV	93
60) BROMOFORM	15.420	173	12525	0.34	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	18629	0.48	PPBV	96
63) ISOPROPYLBENZENE	16.467	105	32602	0.41	PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	22818	0.40	PPBV	98
65) 4-ETHYLTOLUENE	17.209	105	27226	0.38	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.296	105	28706	0.42	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	25520	0.39	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	19093	0.44	PPBV	94
69) BENZYL CHLORIDE	17.917	91	11288	0.31	PPBV	93
70) p-DICHLOROBENZENE	18.013	146	14458	0.33	PPBV	80
71) o-DICHLOROBENZENE	18.404	146	19673	0.49	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	31622	1.42	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	11854	0.80	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

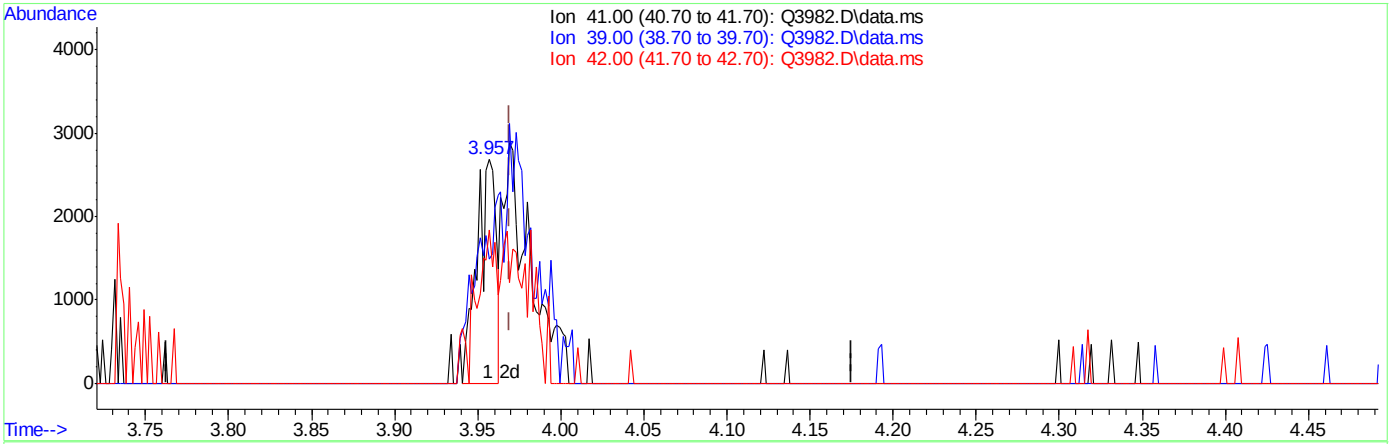


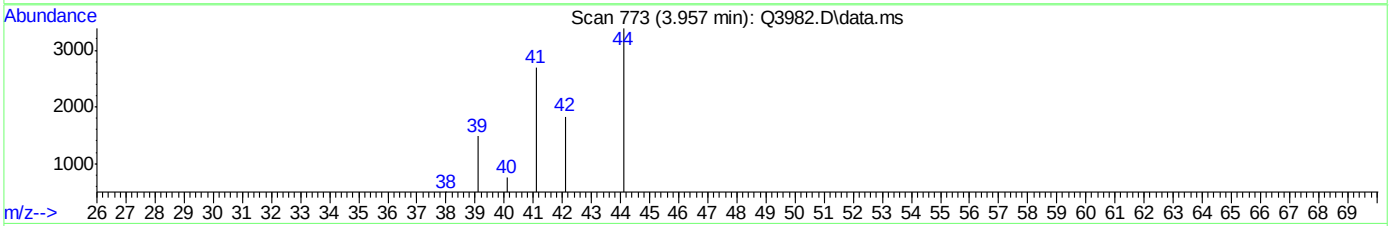
ACCUTEST Laboratories M66000R

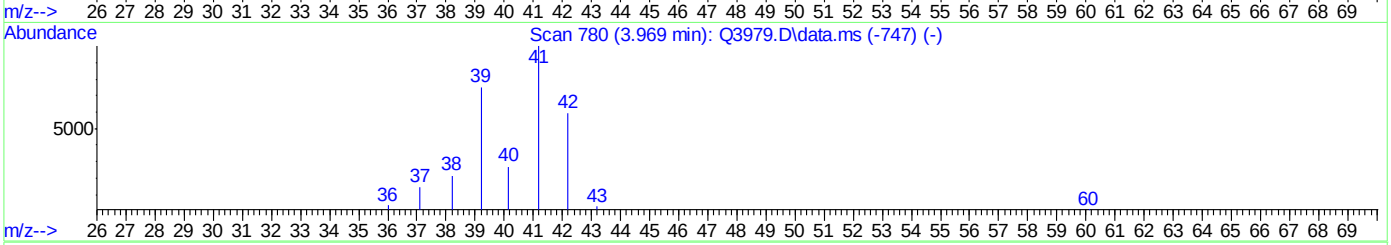
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(3) PROPYLENE (m)

3.957min (-0.012) 0.19PPBV

response 2110

Ion	Exp%	Act%
41.00	100	100
39.00	75.10	55.29
42.00	59.30	68.24
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On    : 16 Jul 2007   8:26 pm
Operator  : danat
Sample    : ic214-0.5 (M210)
Misc      : MS13893, MSQ214,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration
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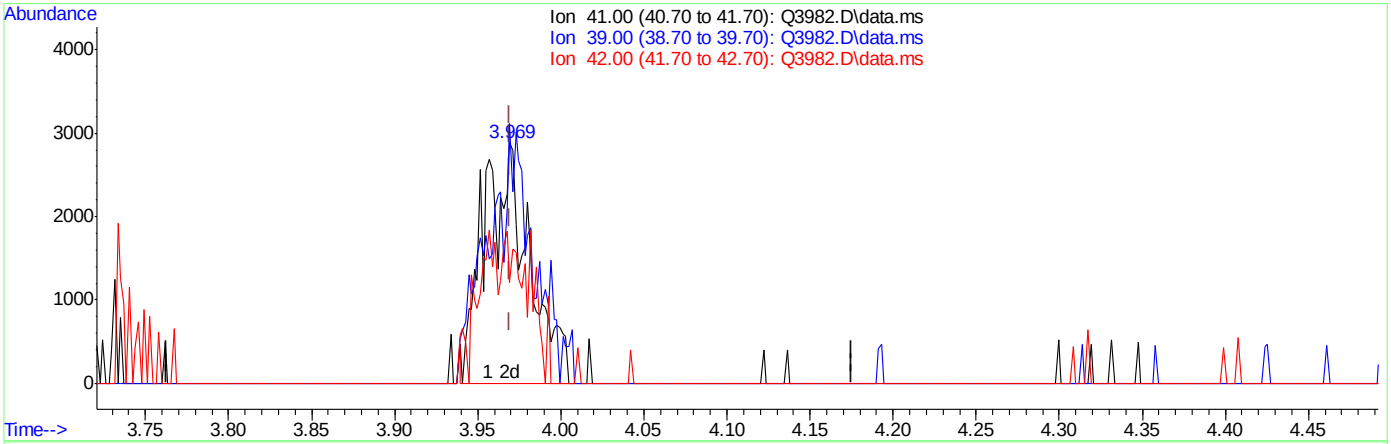
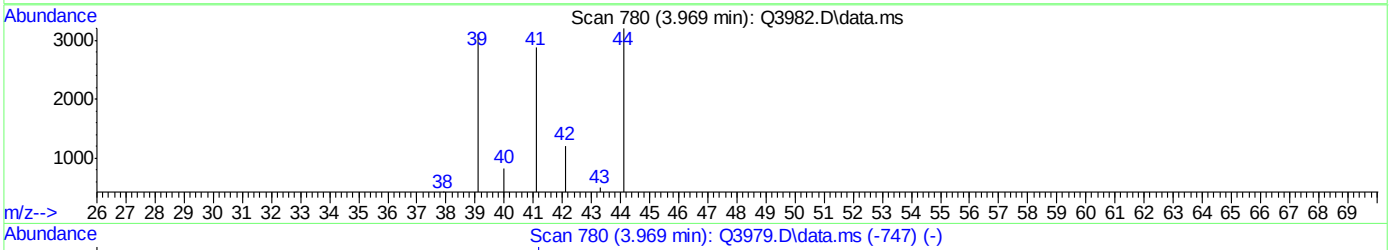
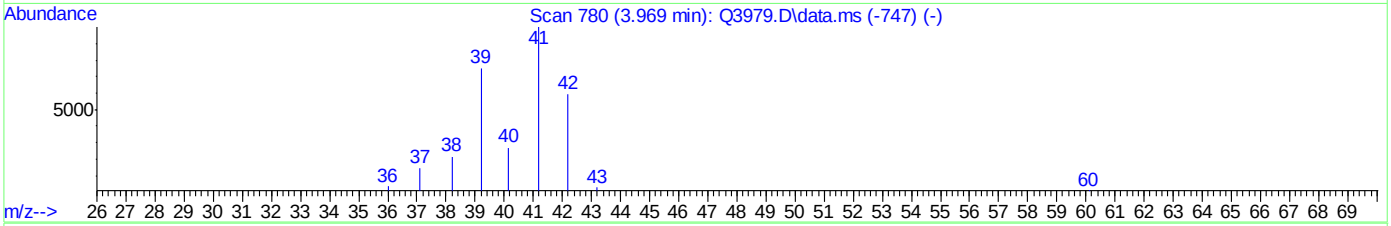






TIC: Q3982.D\data.ms

(3) PROPYLENE (m)

3.969min (+0.000) 0.49PPBV m

response 5450

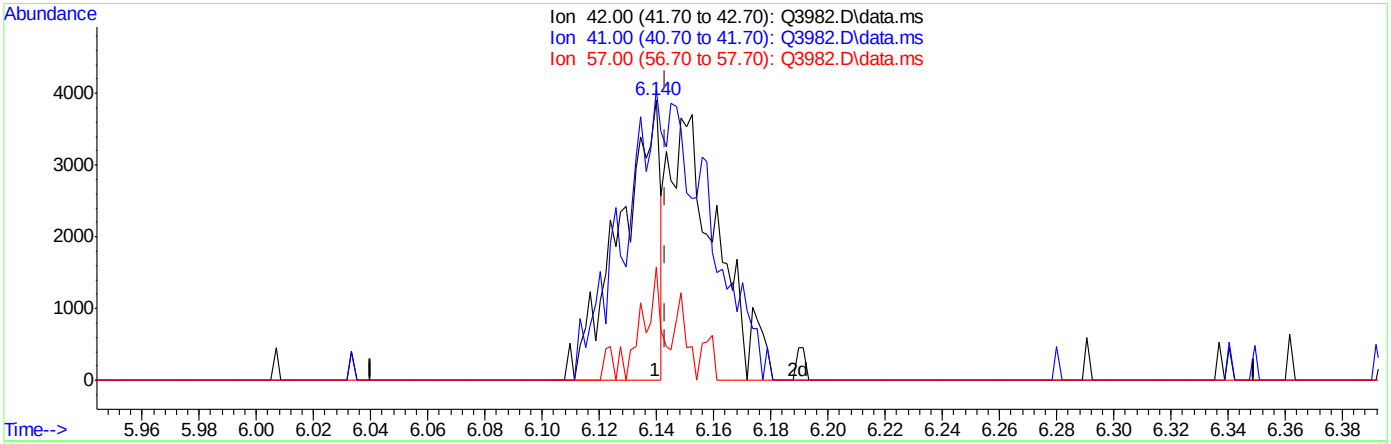
Ion	Exp%	Act%
41.00	100	100
39.00	75.10	108.01#
42.00	59.30	41.83
0.00	0.00	0.00

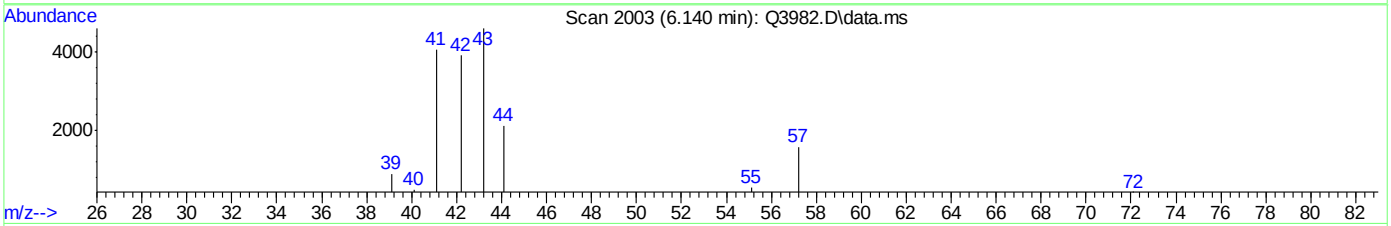
ACCUTEST Laboratories M66000R

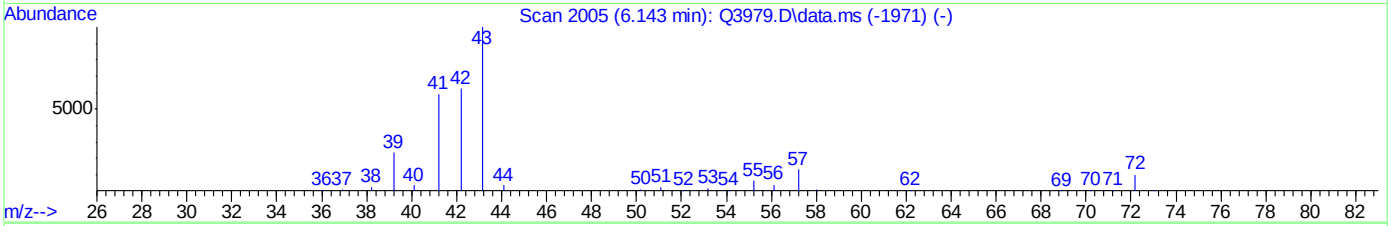
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(13) PENTANE (m)

6.140min (-0.003) 0.28PPBV

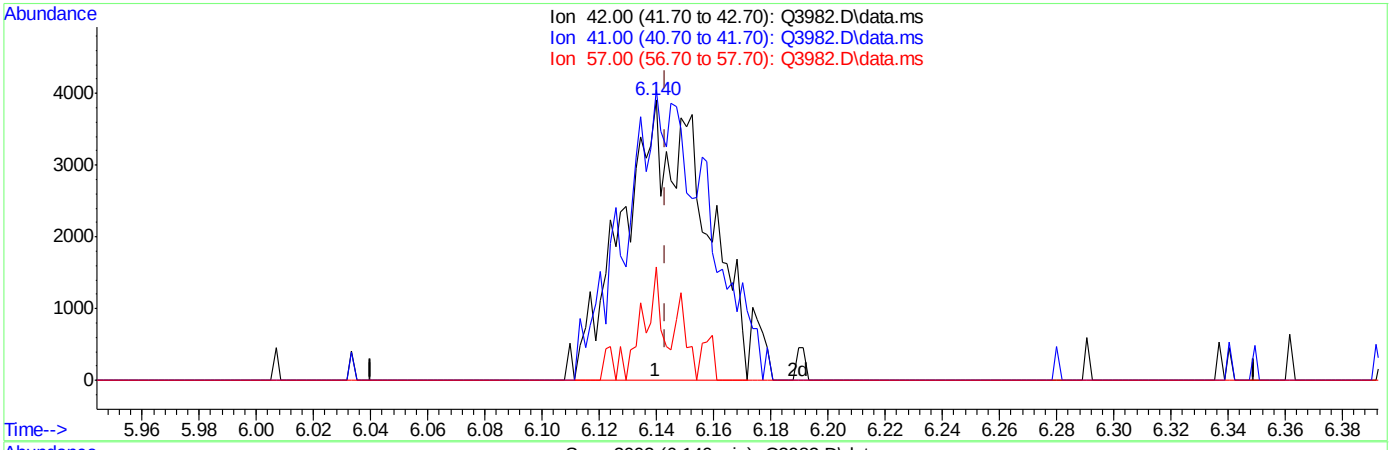
response 3846

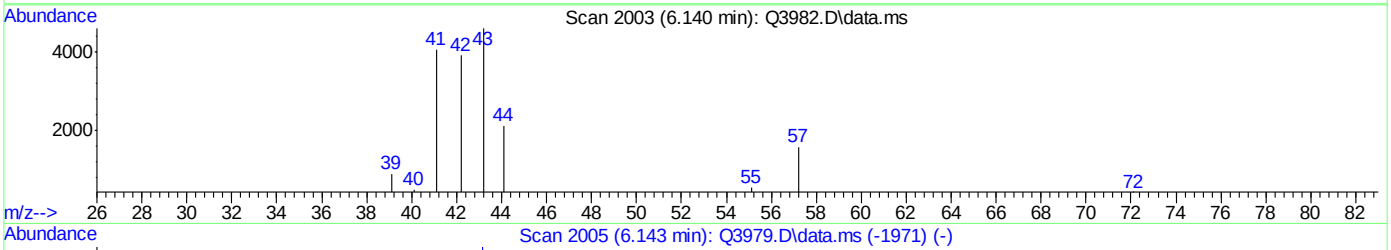
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	212.17#
57.00	25.00	22.02
0.00	0.00	0.00

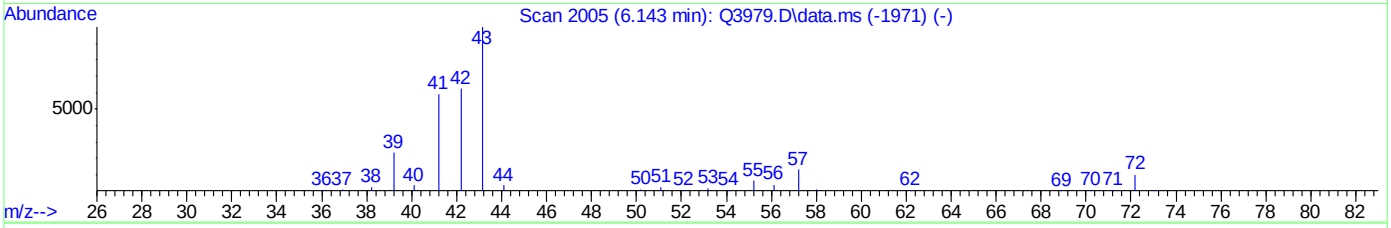
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(13) PENTANE (m)

6.140min (-0.003) 0.56PPBV m

response 7782

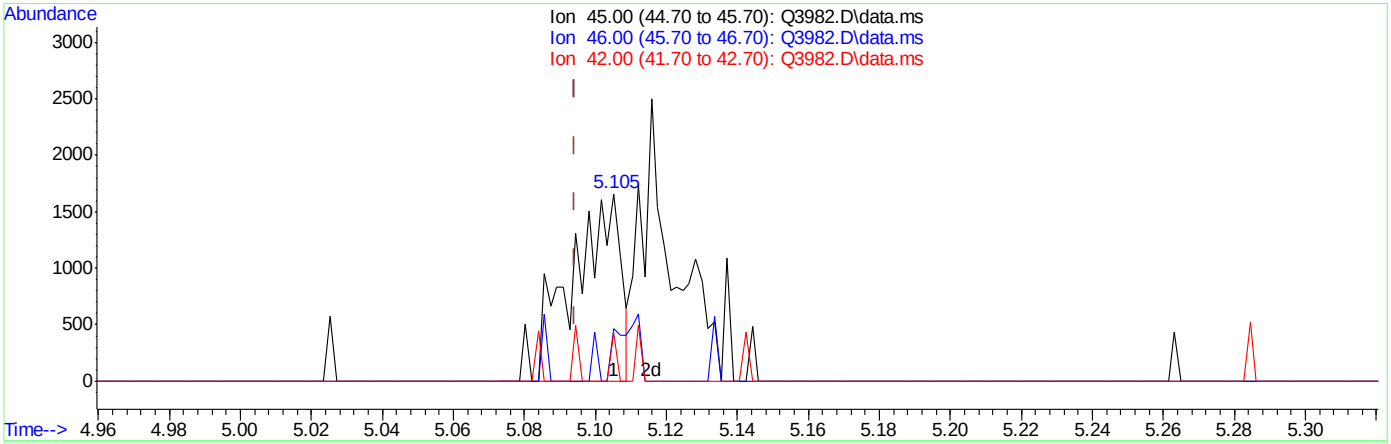
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	104.86
57.00	25.00	10.88
0.00	0.00	0.00

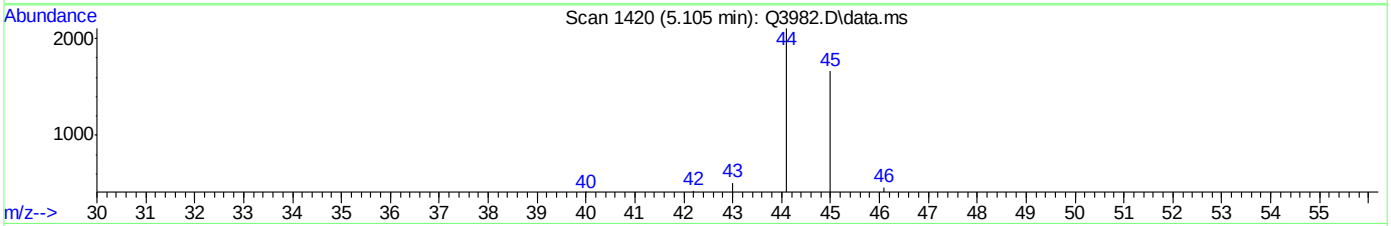
ACCUTEST Laboratories M66000R

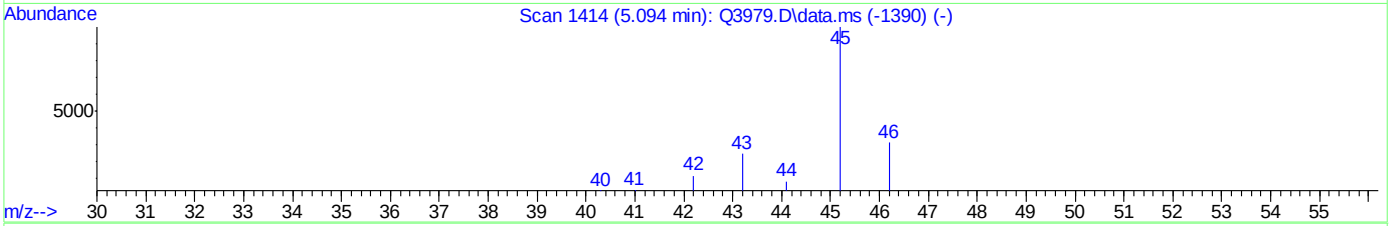
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(16) ETHANOL (m)

5.105min (+0.011) 0.37PPBV

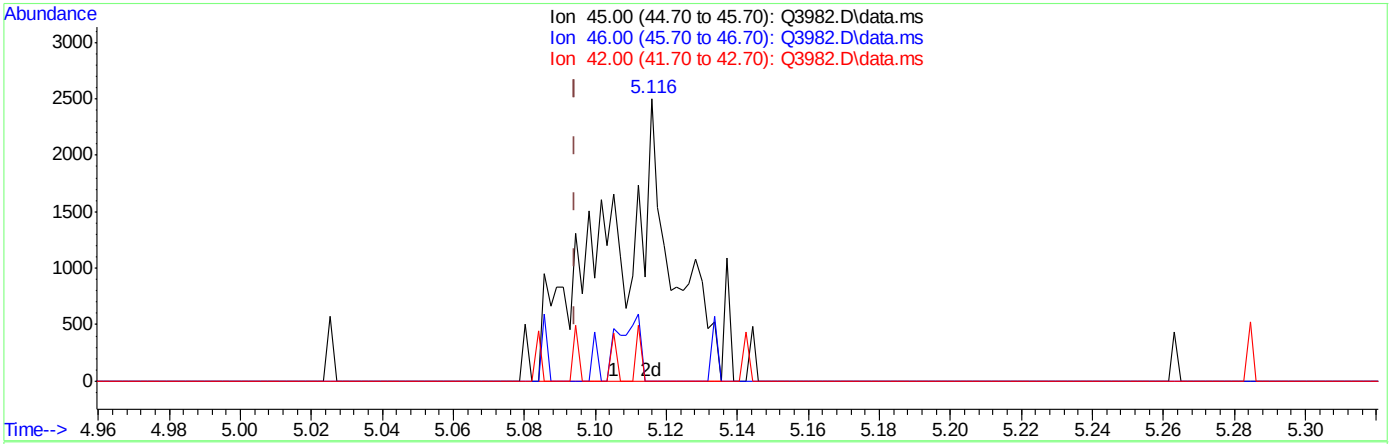
response 1592

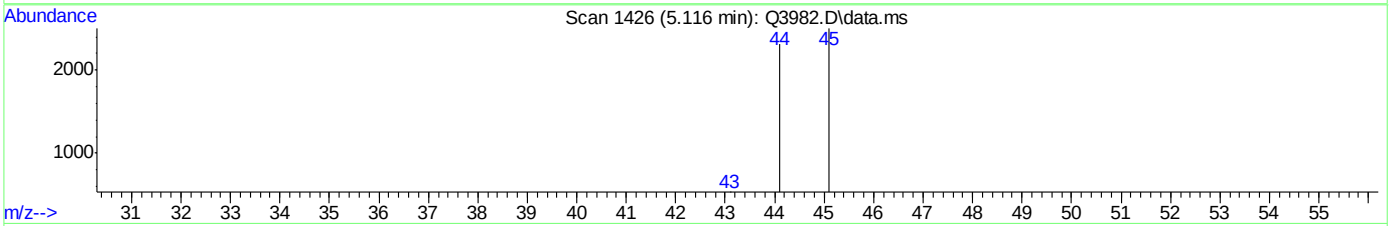
Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	2.89
0.00	0.00	0.00

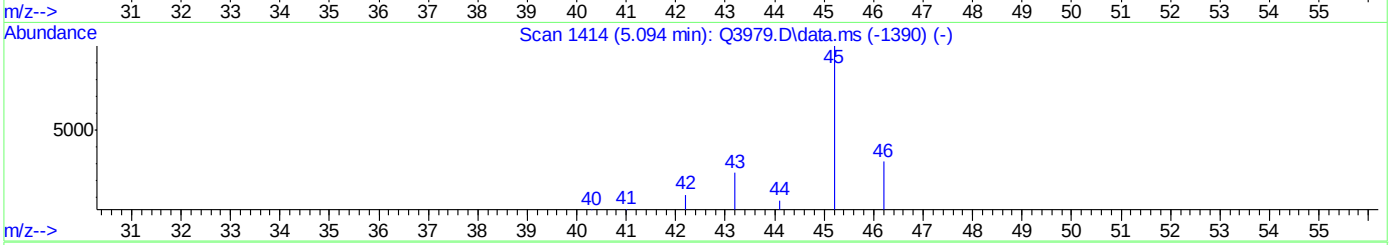
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(16) ETHANOL (m)

5.116min (+0.021) 0.72PPBV m

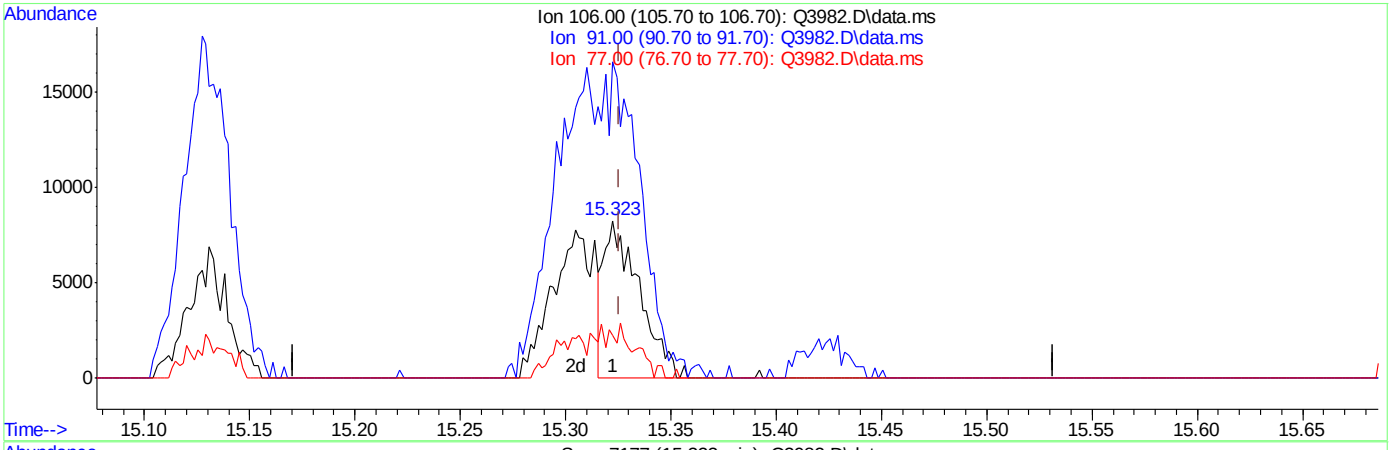
response 3143

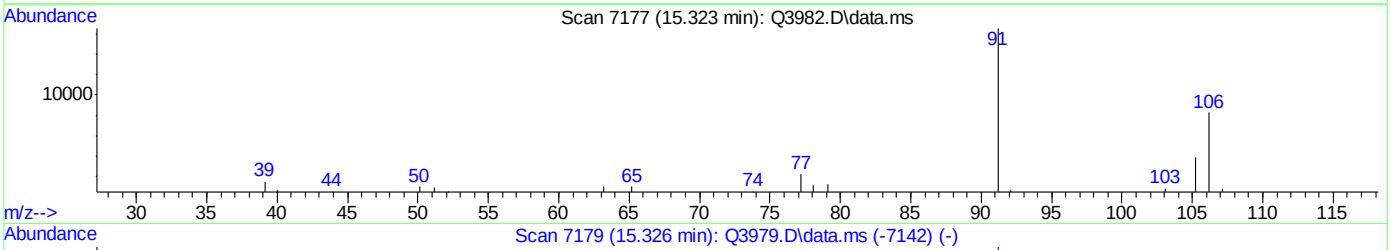
Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	1.46
0.00	0.00	0.00

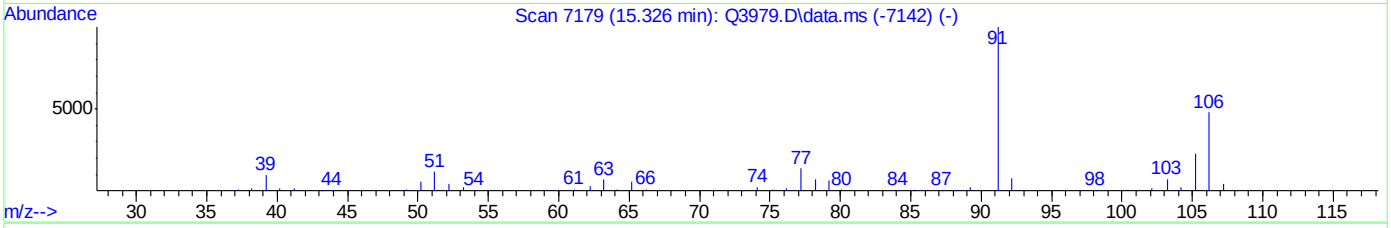
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.37PPBV

response 9643

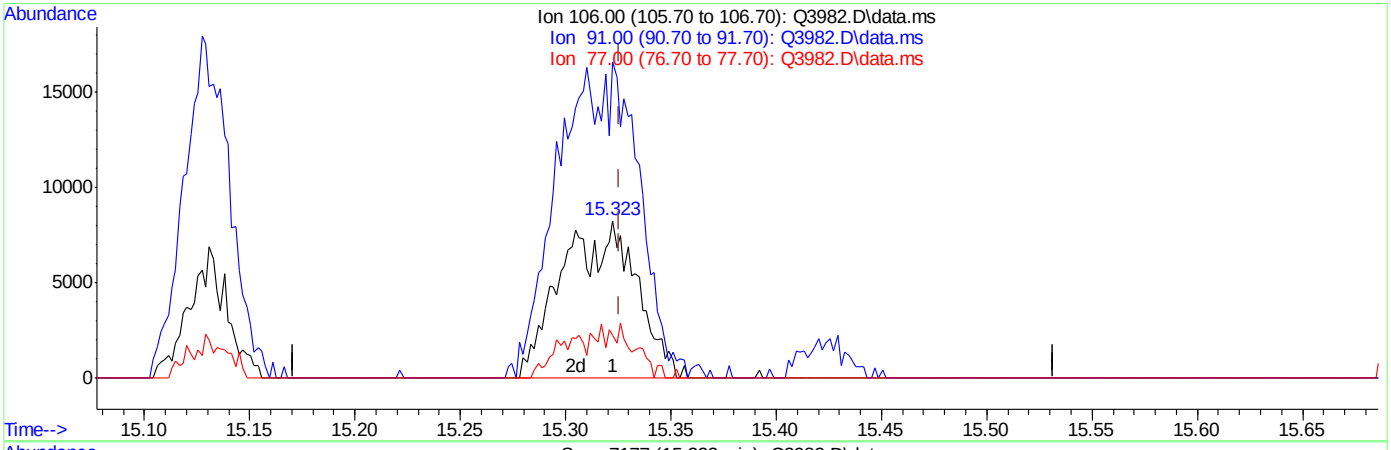
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	200.63
77.00	28.30	26.84
0.00	0.00	0.00

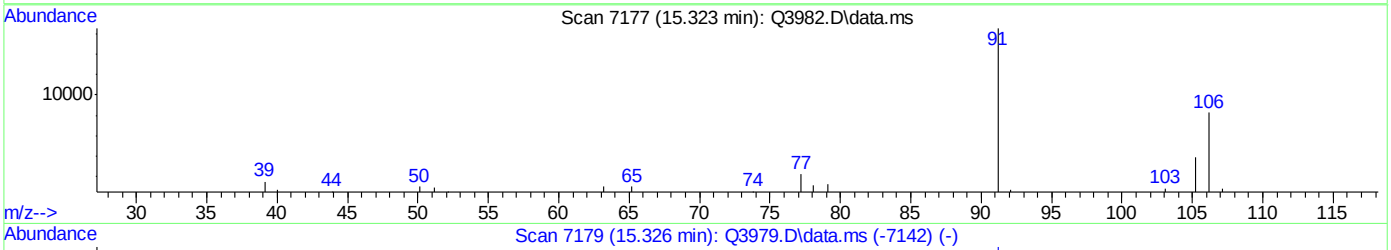
ACCUTEST Laboratories M66000R

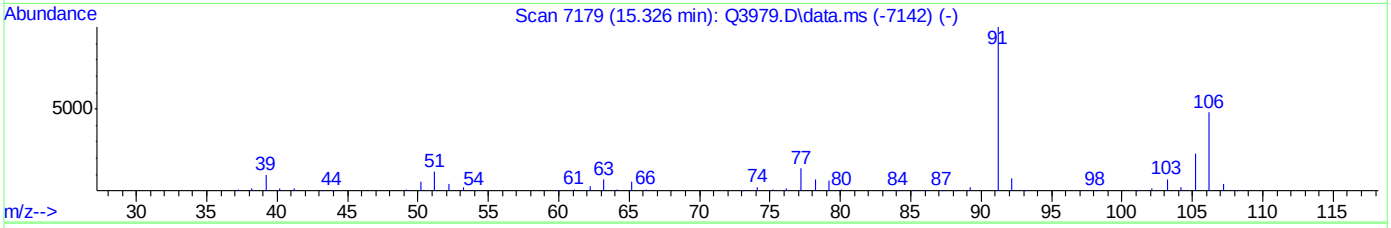
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.78PPBV m

response 20206

Ion	Exp%	Act%
106.00	100	100
91.00	209.40	200.63
77.00	28.30	26.84
0.00	0.00	0.00

Q3983.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	189375	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	853254	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	728923	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	249172	4.60	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	15158	0.24	PPBV	96
3) PROPYLENE	3.959	41	1169	0.11	PPBV #	73
4) FREON 114	4.292	85	14083	0.25	PPBV	94
5) CHLOROMETHANE	4.196	50	3033	0.22	PPBV	82
6) VINYL CHLORIDE	4.429	62	3554	0.22	PPBV #	69
7) 1,3-BUTADIENE	4.557	39	2711	0.21	PPBV #	75
8) BROMOMETHANE	4.830	94	3665	0.20	PPBV	85
9) CHLOROETHANE	5.006	64	645	0.09	PPBV #	59
10) TRICHLOROFLUOROMETHANE	5.792	101	14776	0.24	PPBV	95
11) ISOPROPYL ALCOHOL	5.843	45	10622	0.42	PPBV	91
12) ACETONE	5.618	43	12921	0.47	PPBV	90
13) PENTANE	6.149	42	2787	0.20	PPBV #	73
14) 1,1-DICHLOROETHYLENE	6.417	96	3686m	0.21	PPBV	
15) CARBON DISULFIDE	6.862	76	9183	0.21	PPBV	83
16) ETHANOL	5.119	45	1154	0.26	PPBV	81
17) BROMOETHENE	5.371	106	3595	0.20	PPBV #	92
18) METHYLENE CHLORIDE	6.536	84	12336	0.52	PPBV	99
19) 3-CHLOROPROPENE	6.669	39	2636	0.20	PPBV #	78
20) FREON 113	6.797	151	11718	0.28	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.471	96	3825	0.23	PPBV #	75
22) TERTIARY BUTYL ALCOHOL	6.461	59	5983m	0.20	PPBV	
23) METHYL TERTIARY BUTYL ...	7.725	73	8383	0.22	PPBV	84
24) TETRAHYDROFURAN	9.168	42	2015	0.17	PPBV #	45
25) HEXANE	8.662	57	10987	0.41	PPBV	91
26) VINYL ACETATE	7.792	43	6568	0.24	PPBV #	17
27) 1,1-DICHLOROETHANE	7.659	63	5973m	0.22	PPBV	
28) METHYL ETHYL KETONE	8.042	43	5888	0.24	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.479	96	2919	0.19	PPBV #	79
30) ETHYL ACETATE	8.674	43	14102	0.30	PPBV #	94
31) CHLOROFORM	8.752	83	7944	0.21	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.720	97	8026	0.21	PPBV	97
33) CARBON TETRACHLORIDE	10.291	117	9029	0.20	PPBV	100
34) 1,2-DICHLOROETHANE	9.462	62	4293	0.19	PPBV	97
36) BENZENE	10.146	78	7594	0.19	PPBV	93
37) CYCLOHEXANE	10.419	84	3091	0.18	PPBV	90
38) TRICHLOROETHYLENE	11.143	95	4469	0.20	PPBV #	38
39) 1,2-DICHLOROPROPANE	10.925	63	2041	0.15	PPBV #	76
40) BROMODICHLOROMETHANE	11.111	83	6385	0.18	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	10369	0.17	PPBV	72
42) 1,4-DIOXANE	11.168	88	1460	0.19	PPBV #	1
43) HEPTANE	11.406	43	3925	0.17	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

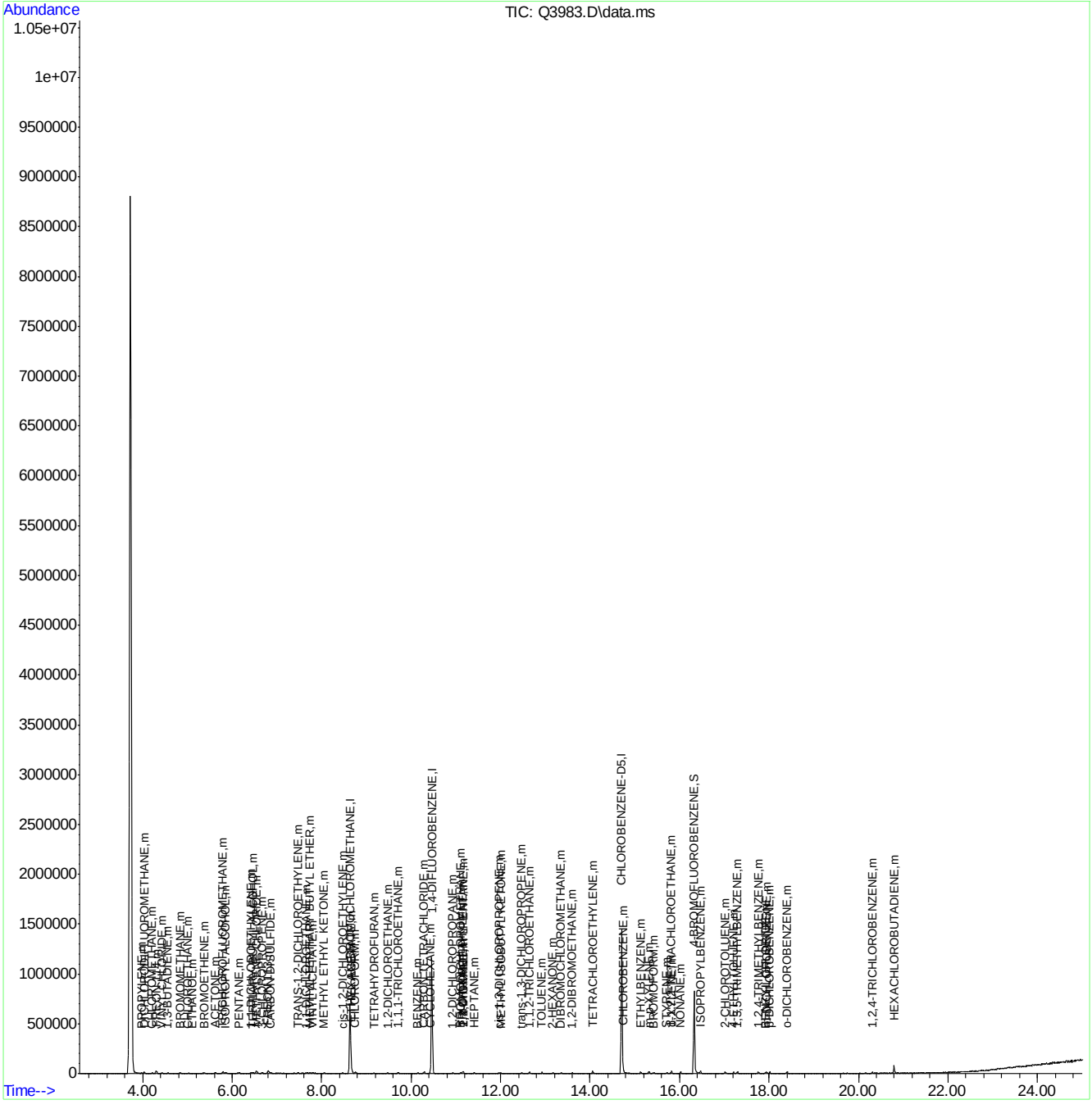
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	5126	0.18	PPBV	79
45) cis-1,3-DICHLOROPROPENE	11.966	75	3767	0.18	PPBV	89
46) TOLUENE	12.921	92	5790	0.20	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.469	75	2850	0.15	PPBV #	38
48) 1,1,2-TRICHLOROETHANE	12.644	83	2707	0.18	PPBV	96
50) 2-HEXANONE	13.156	43	4158	0.17	PPBV #	84
51) TETRACHLOROETHYLENE	14.062	164	4484	0.18	PPBV	92
52) DIBROMOCHLOROMETHANE	13.349	129	5802	0.17	PPBV #	26
53) 1,2-DIBROMOETHANE	13.603	107	5192	0.19	PPBV #	99
54) CHLOROBENZENE	14.753	112	7577	0.20	PPBV	95
55) ETHYLBENZENE	15.127	91	10377	0.17	PPBV	84
56) m,p-XYLENE	15.323	106	7451m	0.31	PPBV	
57) o-XYLENE	15.816	106	3837	0.16	PPBV	95
58) STYRENE	15.709	104	4746	0.14	PPBV	97
59) NONANE	16.022	43	4824	0.16	PPBV #	90
60) BROMOFORM	15.429	173	4552	0.14	PPBV	94
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	7277	0.20	PPBV	97
63) ISOPROPYLBENZENE	16.464	105	12622	0.17	PPBV	95
64) 2-CHLOROTOLUENE	17.016	91	9048	0.17	PPBV	75
65) 4-ETHYLTOLUENE	17.207	105	10144m	0.15	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	10773	0.17	PPBV	89
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	8767	0.15	PPBV	95
68) m-DICHLOROBENZENE	17.939	146	7327	0.18	PPBV	99
69) BENZYL CHLORIDE	17.914	91	3234	0.10	PPBV	83
70) p-DICHLOROBENZENE	18.020	146	7266	0.19	PPBV	94
71) o-DICHLOROBENZENE	18.404	146	7410	0.19	PPBV	95
72) HEXACHLOROBUTADIENE	20.796	225	12574	0.45	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.311	180	4294	0.27	PPBV	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

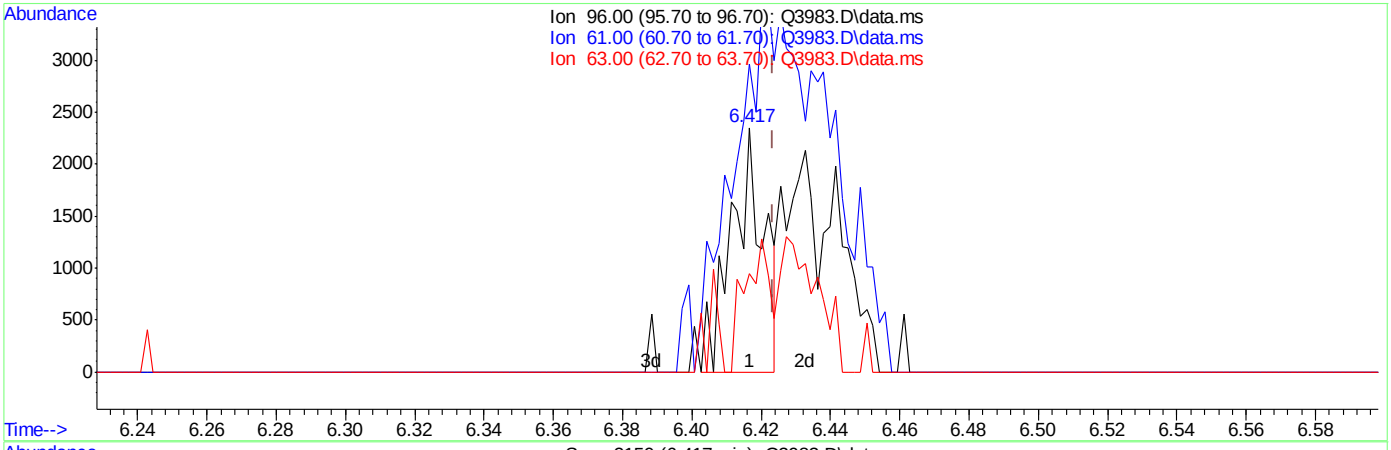


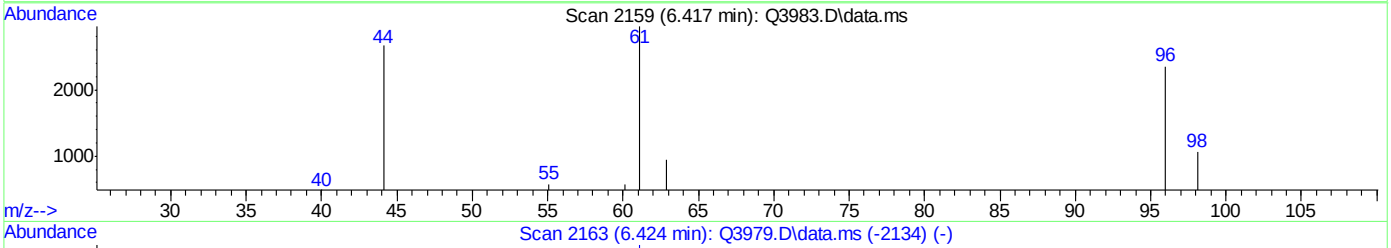
Q071607T.m Tue Jul 17 08:25:24 2007 RPT1 Page: 3

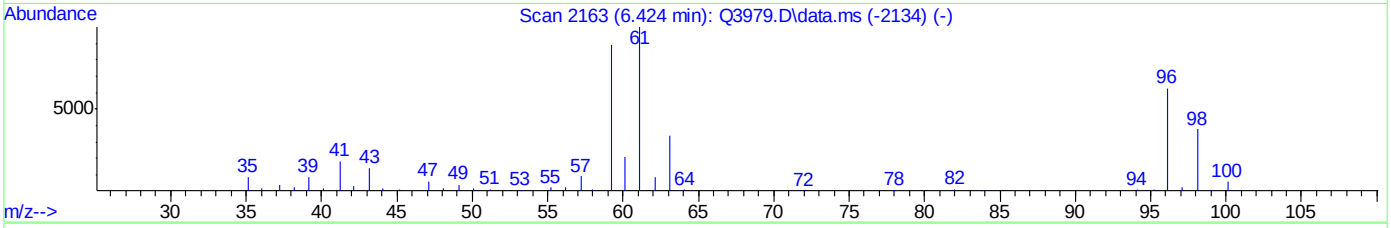
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.417min (-0.007) 0.09PPBV

response 1536

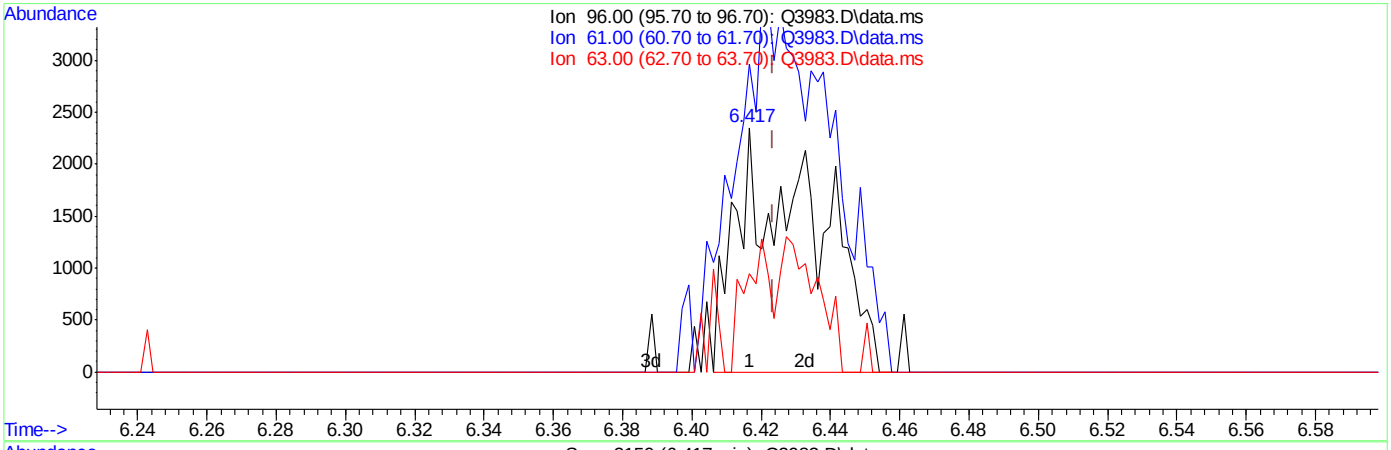
Ion	Exp%	Act%
96.00	100	100
61.00	168.60	458.46#
63.00	54.00	42.64
0.00	0.00	0.00

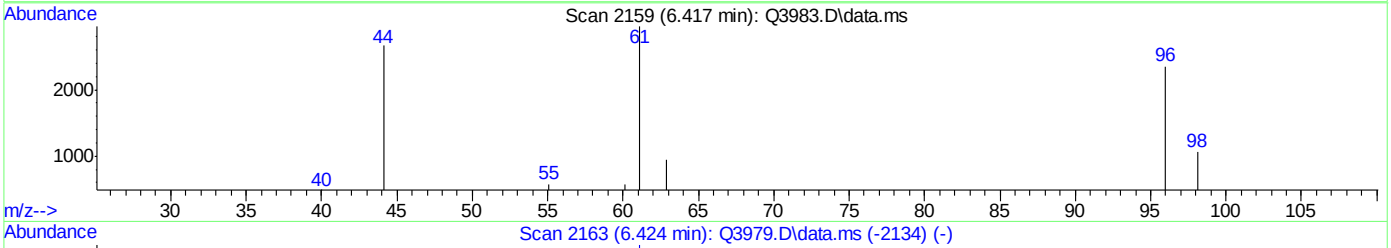
ACCUTEST Laboratories M66000R

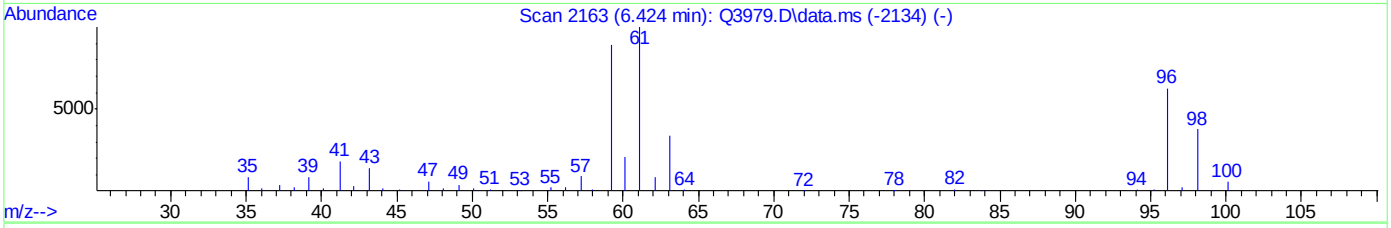
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.417min (-0.007) 0.21PPBV m

response 3686

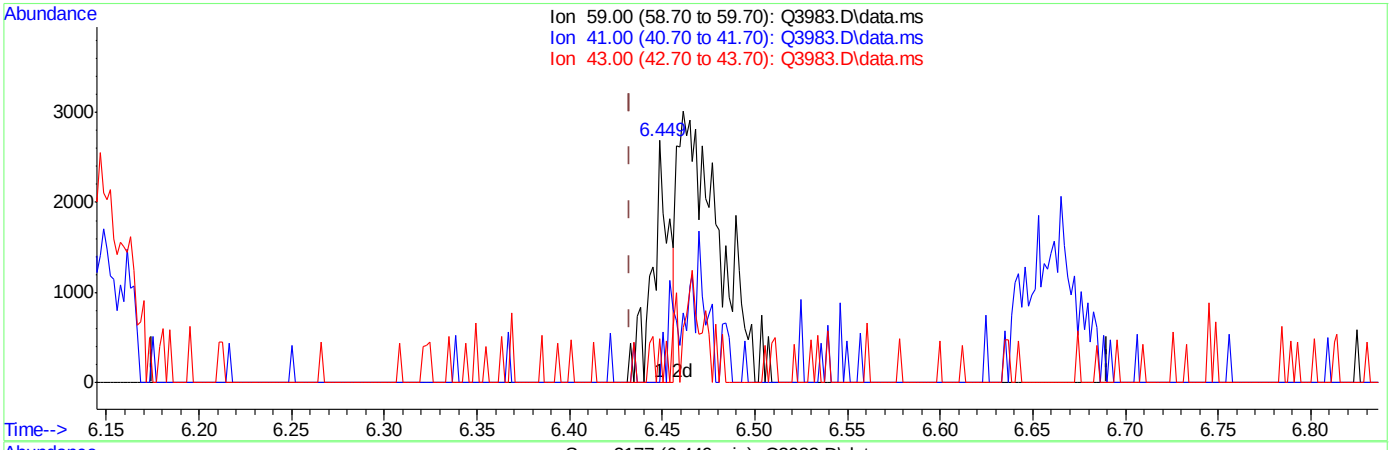
Ion	Exp%	Act%
96.00	100	100
61.00	168.60	191.05#
63.00	54.00	17.77#
0.00	0.00	0.00

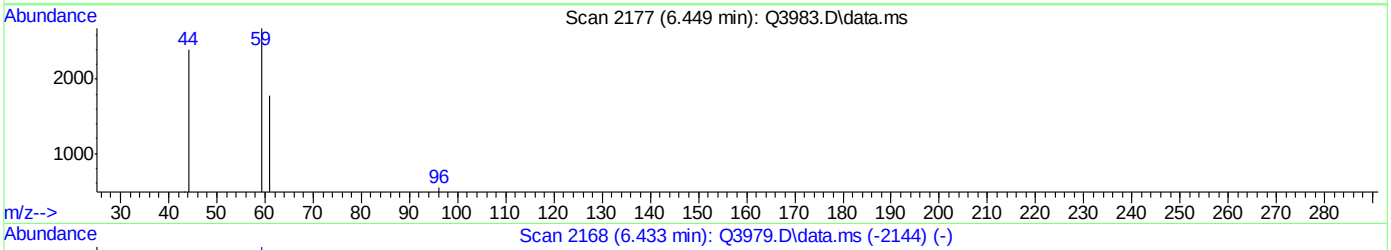
ACCUTEST Laboratories M66000R

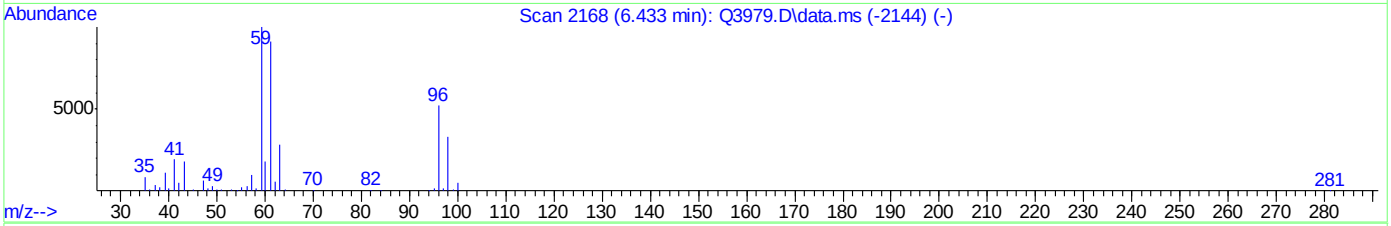
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.449min (+0.016) 0.06PPBV

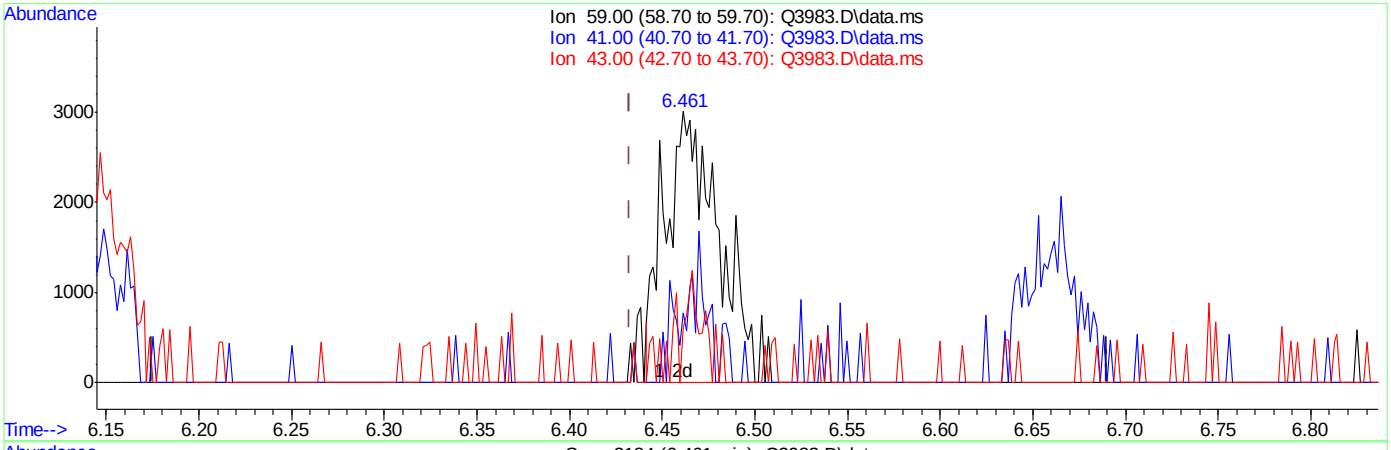
response 1658

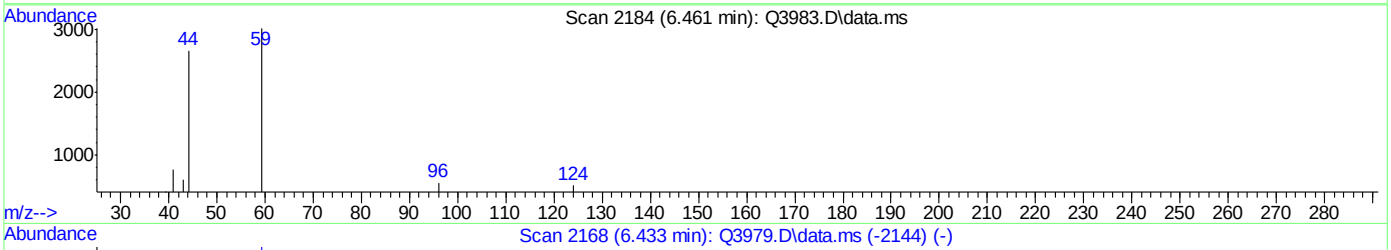
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	2.90
0.00	0.00	0.00

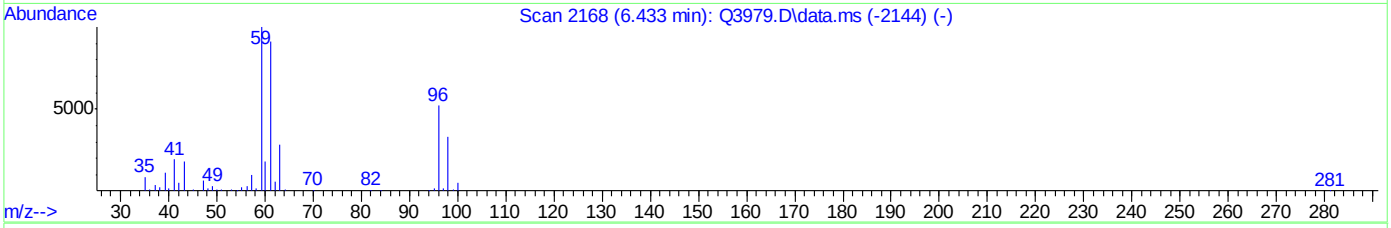
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.461min (+0.029) 0.20PPBV m

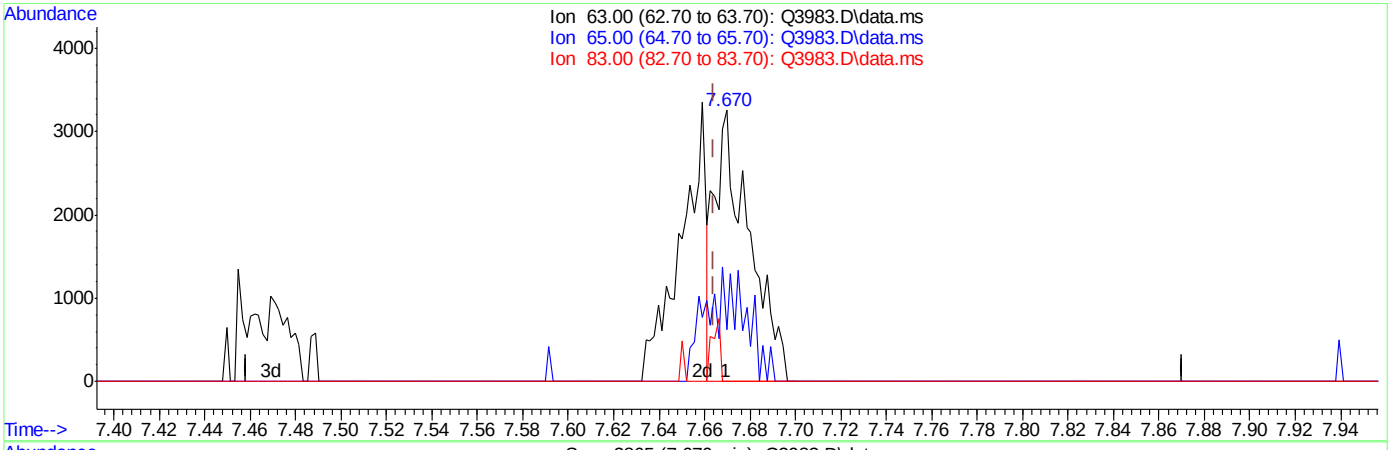
response 5983

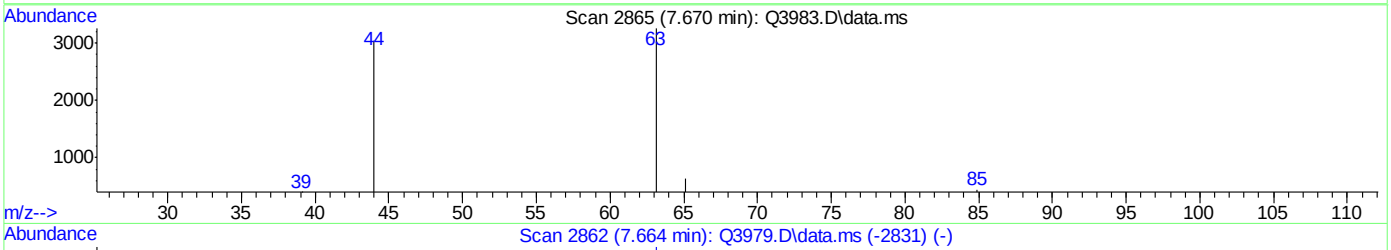
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	0.80
0.00	0.00	0.00

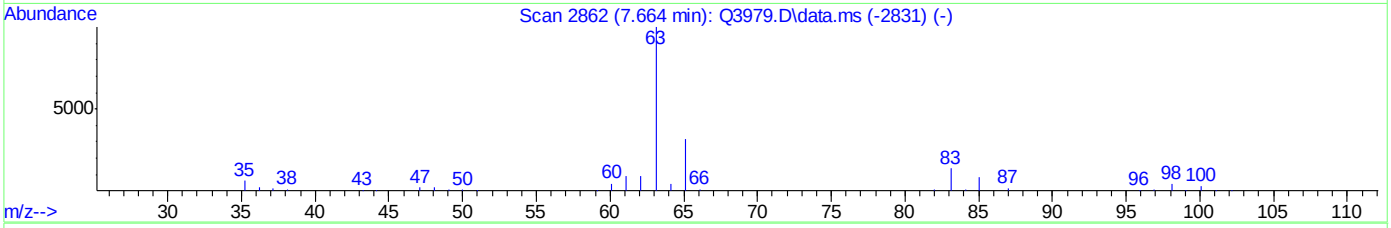
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.670min (+0.005) 0.12PPBV

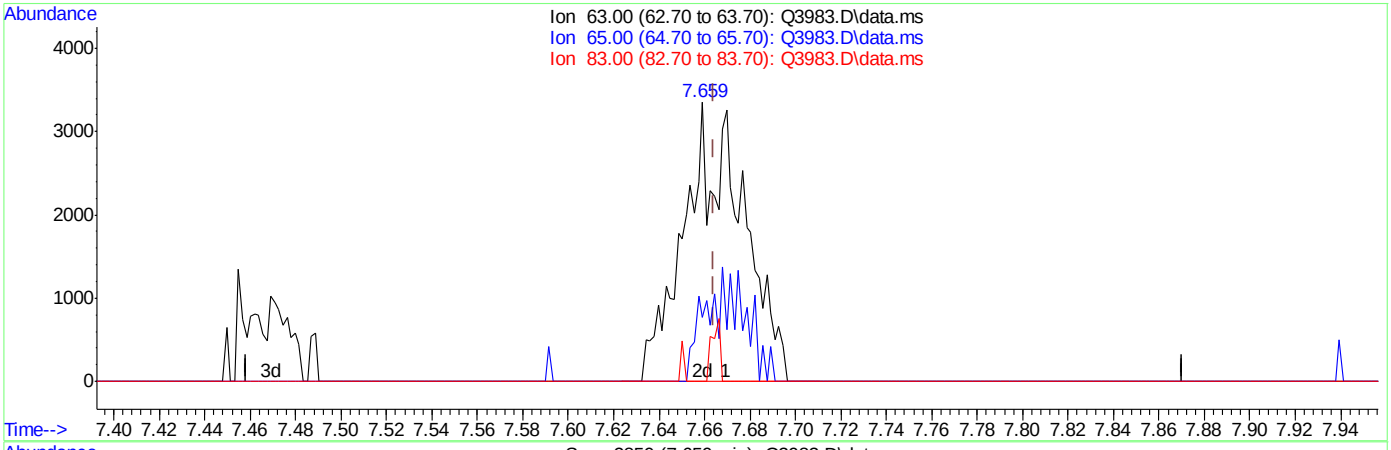
response 3451

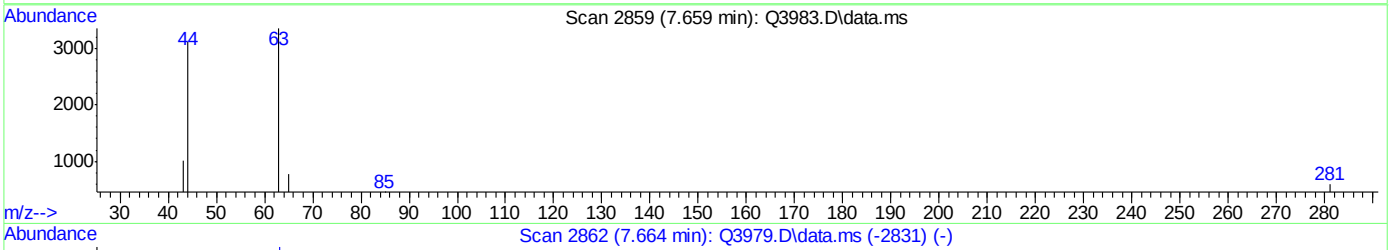
Ion	Exp%	Act%
63.00	100	100
65.00	31.70	46.10
83.00	15.00	5.56
0.00	0.00	0.00

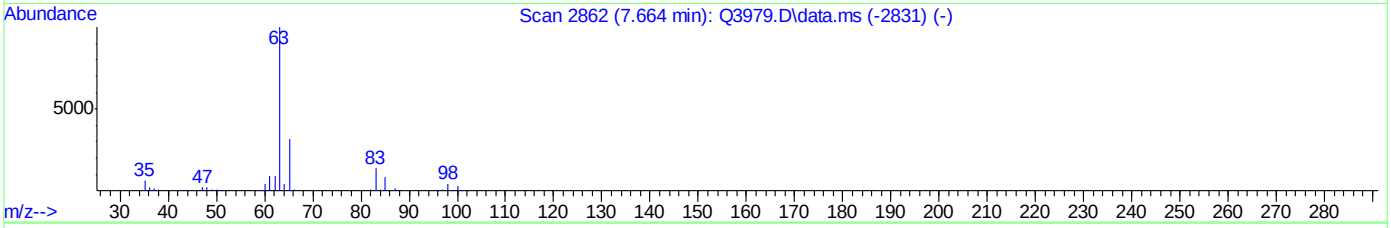
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.659min (-0.005) 0.22PPBV m

response 5973

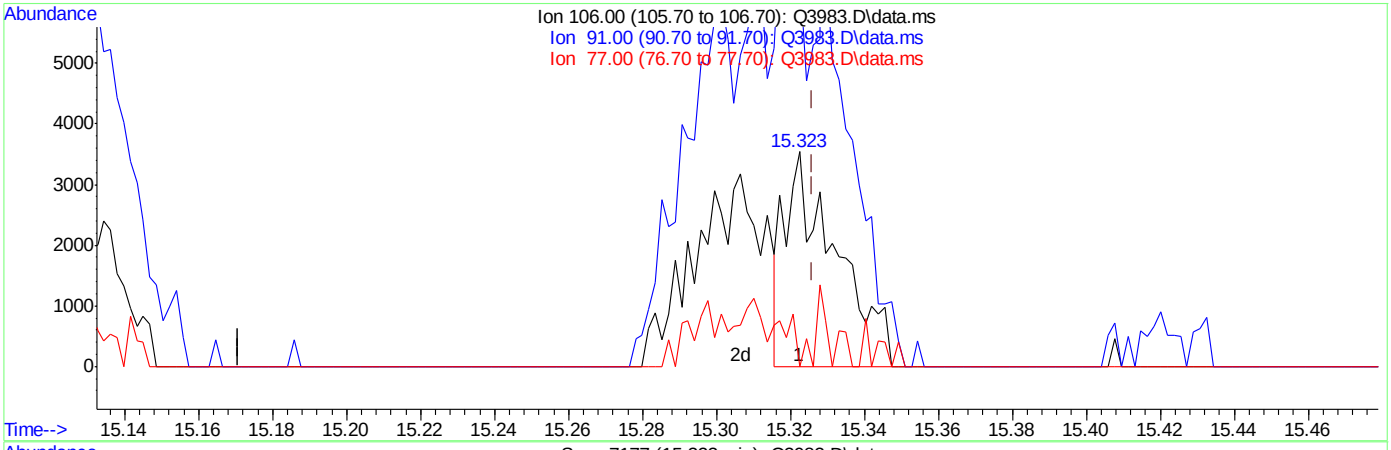
Ion	Exp%	Act%
63.00	100	100
65.00	31.70	26.64
83.00	15.00	3.21
0.00	0.00	0.00

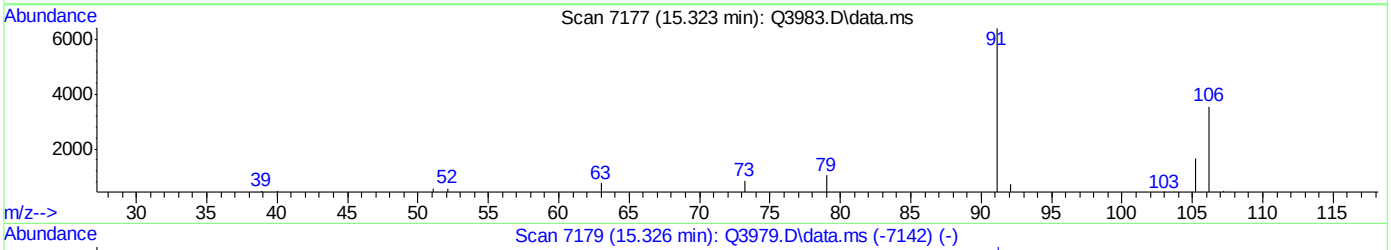
ACCUTEST Laboratories M66000R

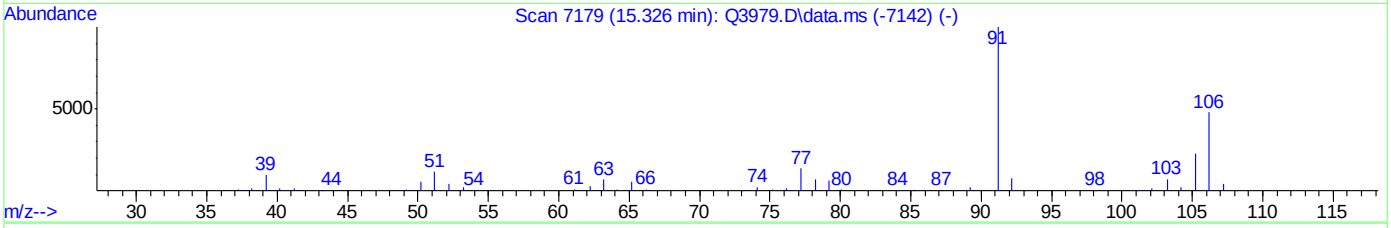
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.14PPBV

response 3422

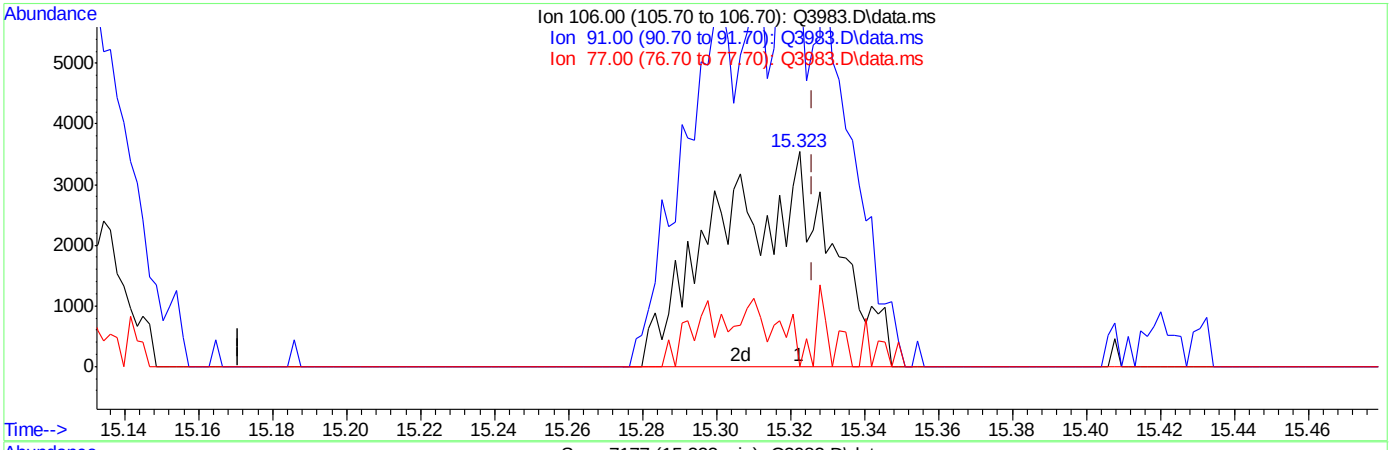
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	180.76
77.00	28.30	0.00#
0.00	0.00	0.00

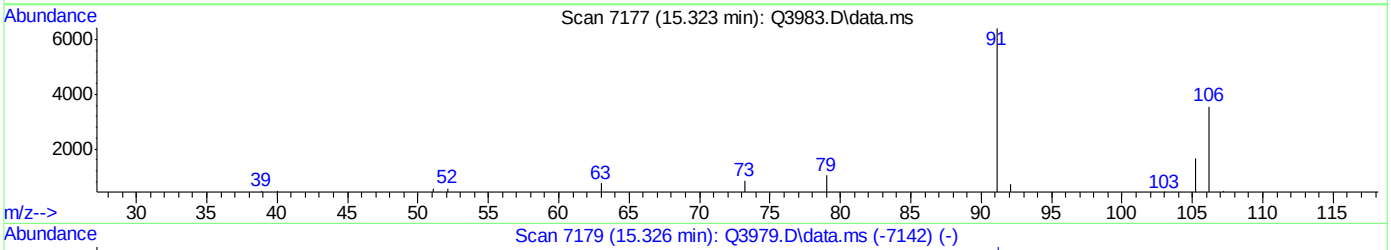
ACCUTEST Laboratories M66000R

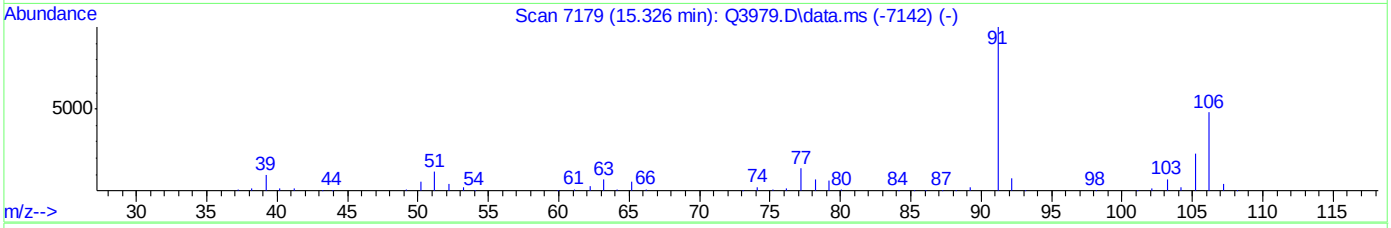
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.31PPBV m

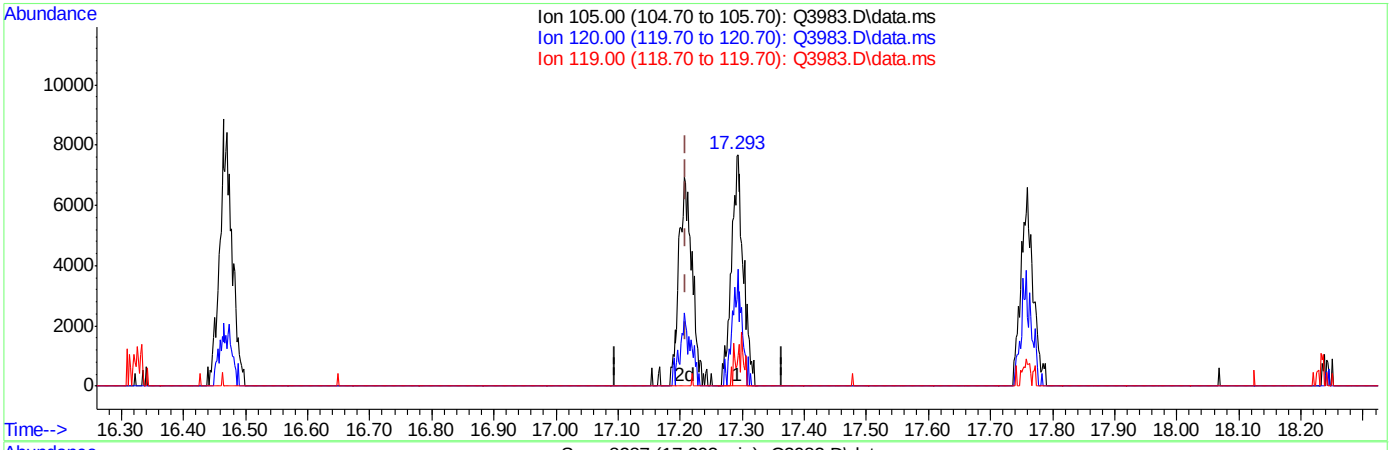
response 7451

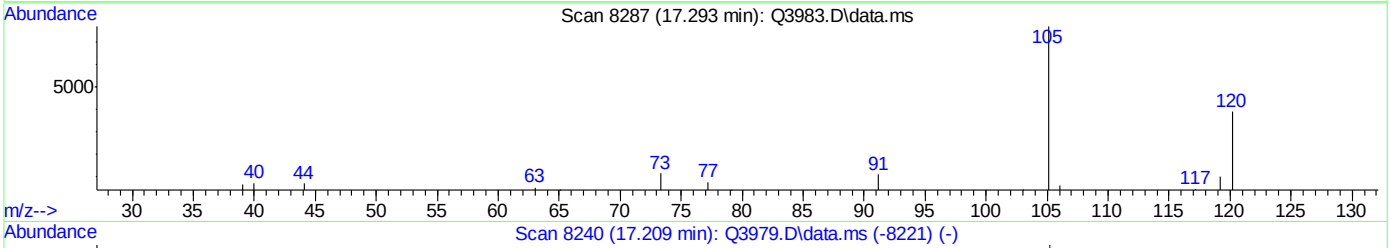
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	180.76
77.00	28.30	0.00#
0.00	0.00	0.00

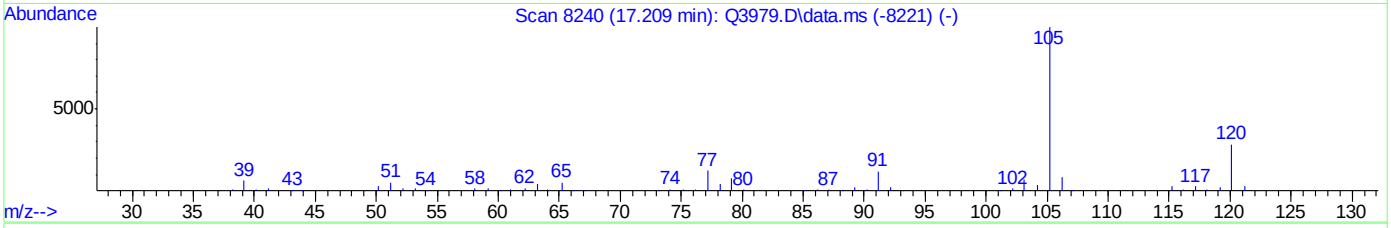
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.293min (+0.084) 0.16PPBV

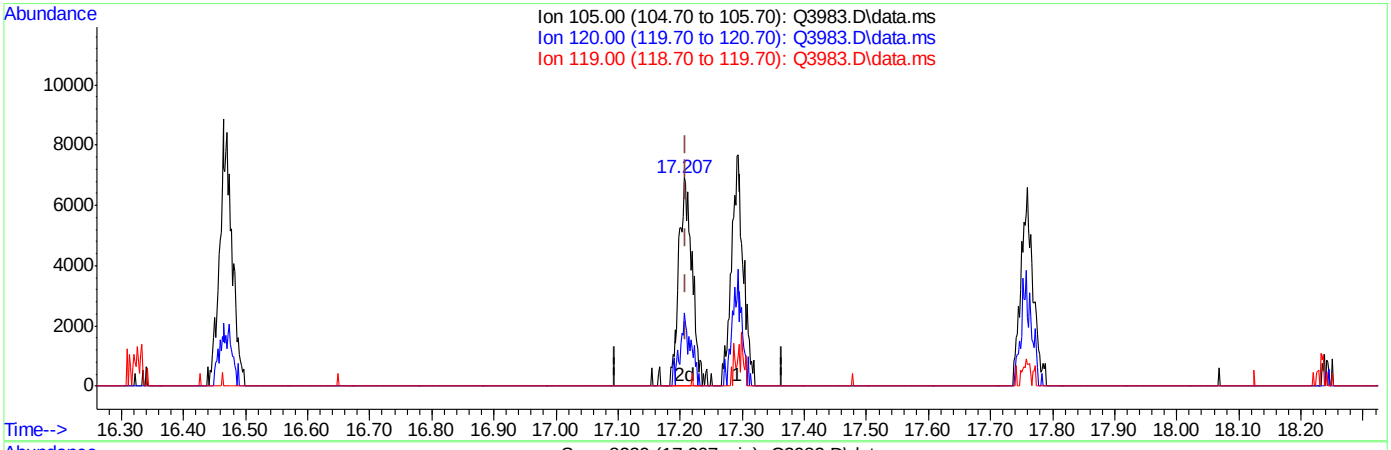
response 10770

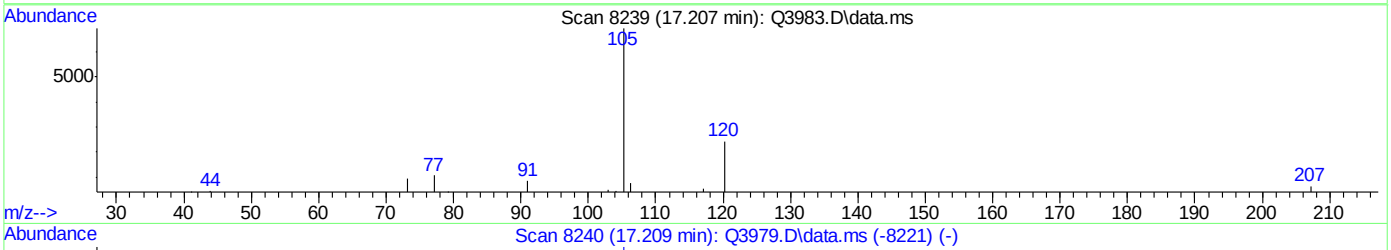
Ion	Exp%	Act%
105.00	100	100
120.00	27.80	40.06
119.00	2.20	9.79
0.00	0.00	0.00

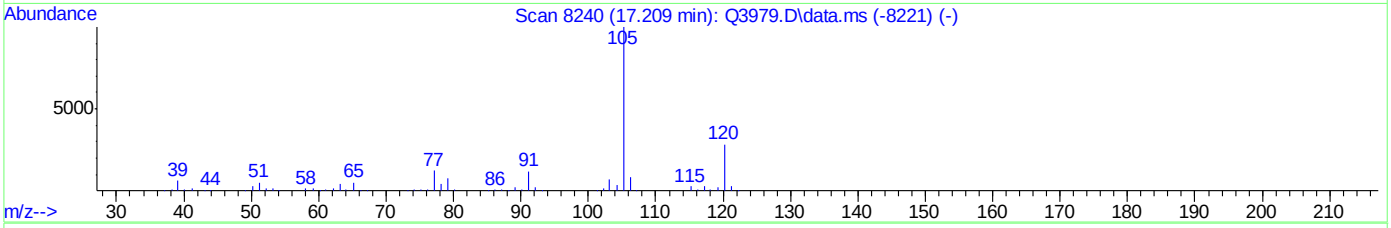
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.207min (-0.002) 0.15PPBV m

response 10144

Ion	Exp%	Act%
105.00	100	100
120.00	27.80	42.53
119.00	2.20	10.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

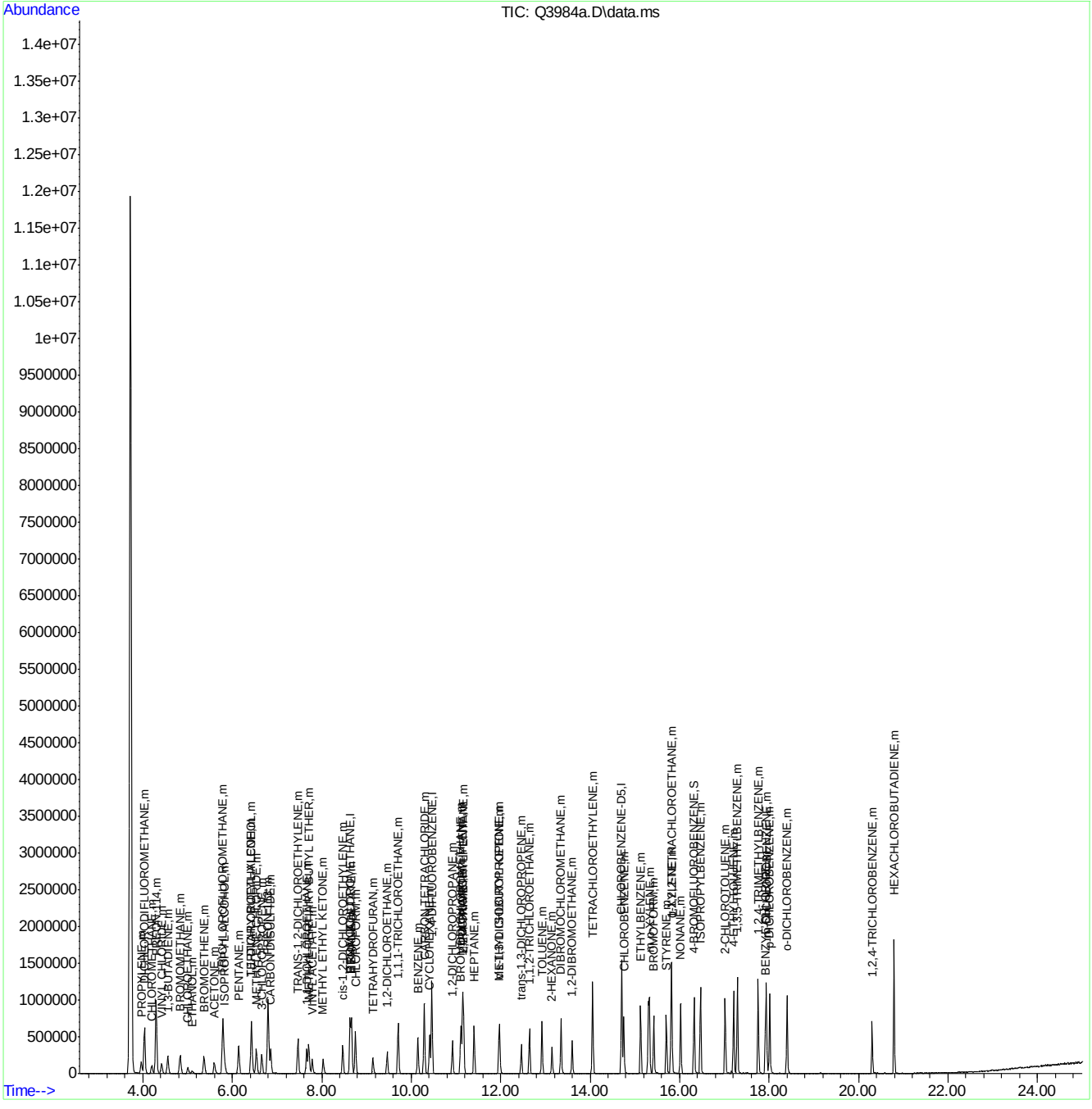
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 107.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
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53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
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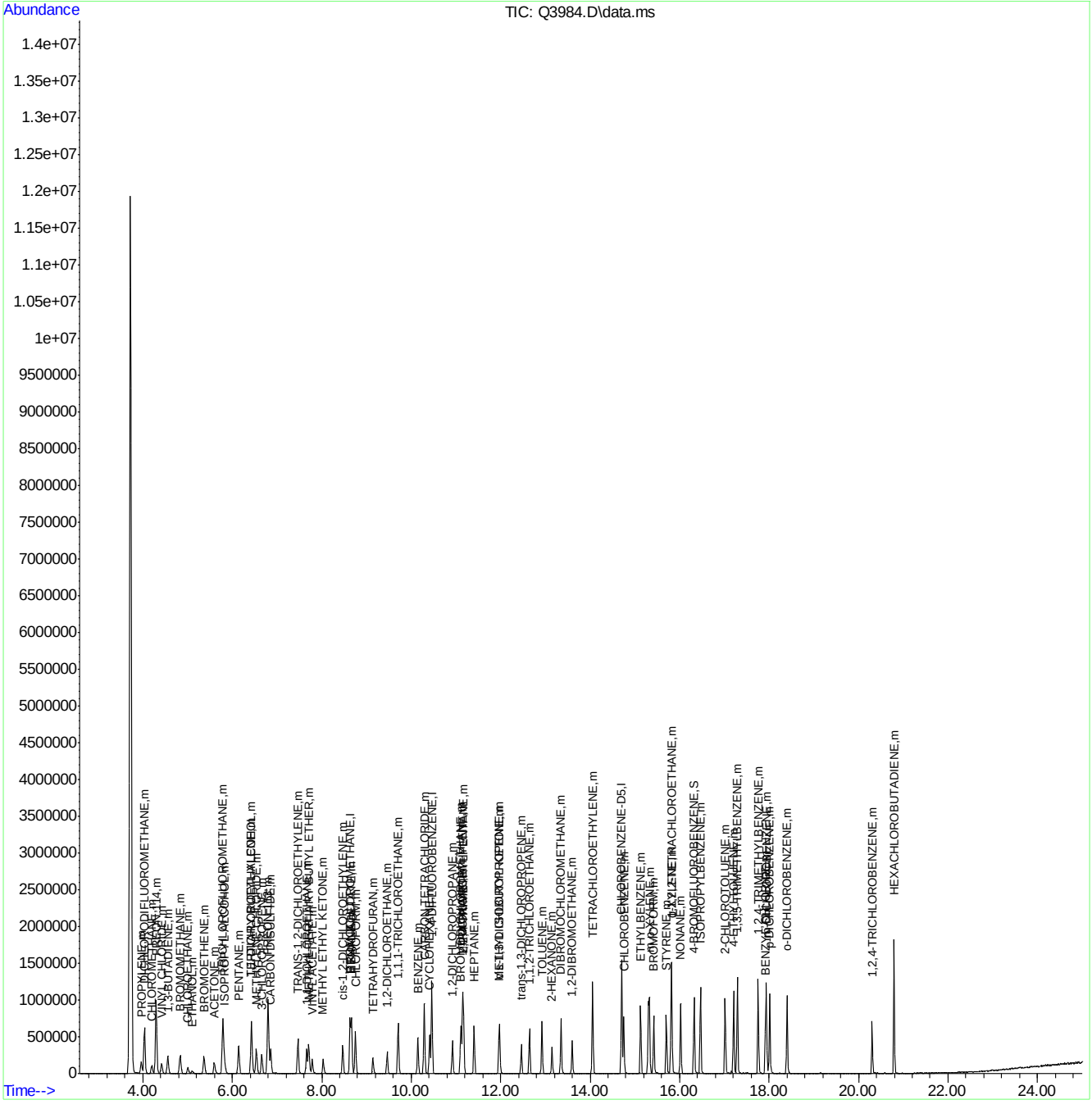
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Standard Lot #	
Calib STD 1	MSA356
Calib STD 2	MSA357,MSA363
ICV	MSA361
Inter/Surr STD	MSA218
BS/BSD	MSA361

File ID	
Tune File 1	J10727
Tune File 2	J10737A
Initial Cal.	6/22/07
ID FILE	J062207T.M
Instrument ID	J
ICAL:	J10737
Column Type:	RTX-1
Sequence Verified By:	DT 6/25/07

Date:	6/22/2007
Analyst:	DANAT
Batch ID:	msj556
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/26/2007 3:58:07 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10727	CC552-10	m057	MSA361	VTO15STD	1		1	NA	fails , recalibrate
J10728	IC556-0.5	m140	MSA357	VTO15STD	1		1	NA	
J10729	IC556-0.2	m140	MSA357	VTO15STD	1		1	NA	
J10730	IC556-2	m140	MSA357	VTO15STD	1		1	NA	Re-run, hexachlorobutadiene is an outlier.
J10731	IC556-40	m173	MSA356	VTO15STD	2		1	NA	
J10732	IC556-20	m173	MSA356	VTO15STD	2		1	NA	
J10733	ICC556-10	m173	MSA356	VTO15STD	2		1	NA	
J10734	IC556-5	m173	MSA356	VTO15STD	2		1	NA	
J10735	IC556-2	m140	MSA357	VTO15STD	1		1	NA	Re-run using different std. , hexachlorobutadiene still fails.
J10736	IC556-2	m141	MSA363	VTO15STD	1		1	NA	
J10737	ICV556-10	m045	MSA361	VTO15STD	1		1	NA	
J10737a	CC556-10	m045	MSA361	VTO15STD	1		1	NA	
J10737b	BS	m045	MSA361	VTO15STD	1		1	NA	
J10738	BLANK	m006	NA	VTO15STD	4		1	NA	
J10739	SCC	m188	NA	VTO15STD	5		1	NA	fails with toluene hit, reclean batch.
J10740	MB	m098	NA	VTO15STD	6		1	NA	
J10741	SCC	m161	NA	VTO15STD	7		1	NA	
J10742	SCC	m103	NA	VTO15STD	8		1	NA	
J10743	SCC	m054	NA	VTO15STD	9		1	NA	
J10744	SCC	m112	NA	VTO15STD	10		1	NA	
J10745	SCC	m077	NA	VTO15STD	11		1	NA	
J10746	SCC	a736	NA	VTO15STD	12		1	NA	
J10747	SCC	m096	NA	VTO15STD	13		1	NA	
J10748	SCC	m043	NA	VTO15STD	14		1	NA	
J10749	SCC	a737	NA	VTO15STD	15		1	NA	
J10750	SCC	m079	NA	VTO15STD	16		1	NA	
J10751	M65607-2	m157	MS13799	VTO15STD	1		1	MC114	
J10752	M65607-DUP	m157	MS13799	VTO15STD	1		1	MC114	
J10753	M65529-1	m144	MS13762	VTO15STD	2		10	NA	
J10754	M65530-1	m162	MS13762	VTO15STD	3		1	NA	Re-run , 124-TMB hit and fails high in cc

Standard Lot #	
Calib STD 1	MSA371
Calib STD 2	MSA372
ICV	MSA375
Inter/Surr STD	MSA218
BS/BSD	MSA375

File ID	
Tune File 1	Q3977
Tune File 2	Q3984
Initial Cal.	7/16/07
ID FILE	Q071607T.M
Instrument ID	Q
ICAL:	Q3984
Column Type:	RTX-1
Sequence Verified By:	DT 7/17/07

Date:	7/16/2007
Analyst:	DANAT
Batch ID:	MSQ214
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	7/19/2007 9:55:34 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3977	IC214-40	M211	MSA371	VTO15STD	2		1		
Q3978	IC214-20	M211	MSA371	VTO15STD	2		1		
Q3979	ICC214-10	M211	MSA371	VTO15STD	2		1		
Q3980	IC214-5	M211	MSA371	VTO15STD	2		1		
Q3981	IC214-2	M211	MSA371	VTO15STD	2		1		
Q3982	IC214-0.5	M210	MSA372	VTO15STD	1		1		
Q3983	IC214-0.2	M210	MSA372	VTO15STD	1		1		
Q3984	ICV214-10	M209	MSA375	VTO15STD	3		1		
Q3984A	CC214-10	M209	MSA375	VTO15STD	3		1		
Q3984B	BS	M209	MSA375	VTO15STD	3		1		
Q3985	BLANK	M063	NA	VTO15STD	4		1		
Q3986	MB	M063	NA	VTO15STD	4		1		
Q3986A	SCC	M063	NA	VTO15STD	4		1		
Q3987	FCB093	M195	NA	VTO15STD	5		1		
Q3988	FCB094	M175	NA	VTO15STD	6		1		
Q3989	FCB095	M205	NA	VTO15STD	7		1		
Q3990	SCC	M076	NA	VTO15STD	8		1		
Q3991	SCC	M081	NA	VTO15STD	9		1		
Q3992	SCC	M004	NA	VTO15STD	10		1		
Q3993	SCC	M088	NA	VTO15STD	11		1		
Q3994	SCC	M134	NA	VTO15STD	12		1		
Q3995	SCC	M053	NA	VTO15STD	13		1		
Q3996	SCC	M049	NA	VTO15STD	14		1		
Q3997	M66000-1R	M161	MS13951	VTO15STD	15		1		
Q3998	M66000-1RDUP	M161	MS13951	VTO15STD	15		1		
Q3999	M66190-6	M116	MS13951	VTO15STD	16		1		Re-run @ 20x , over calibration.
Q4000	M66190-7	M172	MS13951	VTO15STD	4		1		Re-run @ 5x , matrix interference. Do not report.
Q4001	M66190-8	M160	MS13951	VTO15STD	5		1		Re-run @ 20x , over calibration.