New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/22/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

045162

Accutest Job Number: M64501

Sampling Date: 05/01/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: 527

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ACCREDITED IN ACCORDANCE WITH nelac

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

Reza Tand
Lab Director

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

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Sample Summary

GEI Consultants, Inc.

Job No: M64501

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M64501-1	05/01/07	13:40	LJW	05/01/07	AIR	Air	04516-50T-NP
M64501-2	05/01/07	13:46	LJW	05/01/07	AIR	Air	04516-50T-NW
M64501-3	05/01/07	13:32	LJW	05/01/07	AIR	Air	04516-50T-NO
M64501-4	05/01/07	13:18	LJW	05/01/07	AIR	Air	04516-50T-SO
M64501-5	05/01/07	13:55	LJW	05/01/07	AIR	Air	04516-50T-NC
M64501-6	05/01/07	14:07	LJW	05/01/07	AIR	Air	04516-50T-GA
M64501-7	05/01/07	13:42	LJW	05/01/07	AIR	Air	04516-50T-SP
M64501-8	05/01/07	13:59	LJW	05/01/07	AIR	Air	04516-50T-SC
M64501-9	05/01/07	00:00	LJW	05/01/07	AIR	Air	04516-50T-IA

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M64501
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	5/21/2007 5:37:06 PM

9 Sample(s) were collected on 05/01/2007 and were received at Accutest on 05/01/2007. These Samples received an Accutest job number of M64501. 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:** MSQ181

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64501-1DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for 1,1,1-Trichloroethane are outside control limits for sample M64501-1DUP. High RPD due to sample levels below reporting limit.

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(M64501).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-NP		
Lab Sample ID:	M64501-1	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M042	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3343.D	1	05/04/07	PB	n/a	n/a	MSQ181
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	ppbv	J	0.75	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.070	0.20	ppbv	J	0.38	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.26	0.20	ppbv		1.8	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	87%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-NW		
Lab Sample ID:	M64501-2	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M142	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3345.D	1	05/04/07	PB	n/a	n/a	MSQ181
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	ppbv	J	0.75	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.48	0.20	ppbv		2.6	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	4.8	0.20	ppbv		33	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.76	0.20	ppbv		4.1	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	102%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-NO		
Lab Sample ID:	M64501-3	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M068	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3346.D	1	05/04/07	PB	n/a	n/a	MSQ181
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	0.11	0.20	ppbv	J	0.69	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.55	0.20	ppbv		3.0	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	1.0	0.20	ppbv		5.4	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-SO		
Lab Sample ID:	M64501-4	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M125	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3347.D	1	05/05/07	PB	n/a	n/a	MSQ181
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	ppbv	J	0.75	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.34	0.20	ppbv		1.9	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	5.6	0.20	ppbv		38	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.64	0.20	ppbv		3.4	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	108%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-NC		
Lab Sample ID:	M64501-5	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M114	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3353.D	1	05/05/07	PB	n/a	n/a	MSQ181
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	ppbv	J	0.75	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.25	0.20	ppbv		1.4	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	7.0	0.20	ppbv		47	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.37	0.20	ppbv		2.0	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	105%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-GA		
Lab Sample ID:	M64501-6	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M066	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3349.D	1	05/05/07	PB	n/a	n/a	MSQ181
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	ppbv	J	0.75	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.28	0.20	ppbv		1.5	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	7.3	0.20	ppbv		50	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.44	0.20	ppbv		2.4	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	104%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-SP		
Lab Sample ID:	M64501-7	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M044	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3350.D	1	05/05/07	PB	n/a	n/a	MSQ181
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	0.11	0.20	ppbv	J	0.69	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.54	0.20	ppbv		3.7	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	89%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-SC		
Lab Sample ID:	M64501-8	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M170	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3351.D	1	05/05/07	PB	n/a	n/a	MSQ181
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.24	0.20	ppbv		1.3	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	6.4	0.20	ppbv		43	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.37	0.20	ppbv		2.0	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-50T-IA		
Lab Sample ID:	M64501-9	**Date Sampled:**	05/01/07
Matrix:	AIR - Air Summa ID: M098	**Date Received:**	05/01/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3352.D	1	05/05/07	PB	n/a	n/a	MSQ181
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	0.11	0.20	ppbv	J	0.69	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.22	0.20	ppbv		1.2	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	1.2	0.20	ppbv		8.1	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.29	0.20	ppbv		1.6	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	94%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M64501

PAGE 1 OF 1

Client / Reporting Information

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

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

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmospheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List (SEE ATTACHED)	MA-DER-APH
-1	04516-SOT-NP	I	M042	6L	MC061	5/1/07	09:30	-29	~55	LSW	5/1/07	13:40	-4	55	LSW	X	
-2	04516-SOT-NW	I	M142	6	MC049	5/1/07	09:31	-31	~55	LSW	5/1/07	13:46	-4	55	LSW	X	
-3	04516-SOT-NO	I	M068	6	MC065	5/1/07	09:32	-30	~55	LSW	5/1/07	13:32	-4	55	LSW	X	
-4	04516-SOT-SO	I	M125	6	MC046	5/1/07	09:33	-30	~55	LSW	5/1/07	13:18	-3	55	LSW	X	
-5	04516-SOT-NC	I	M114	6	MC027	5/1/07	09:34	-30	~55	LSW	5/1/07	13:55	-4	55	LSW	X	
-6	04516-SOT-GA	I	M066	6	MEC008	5/1/07	09:36	-31	~55	LSW	5/1/07	14:07	-3	55	LSW	X	
-7	04516-SOT-SP	I	M044	6	MC059	5/1/07	09:37	-29	~55	LSW	5/1/07	13:42	-3.5	55	LSW	X	
-8	04516-SOT-SC	I	M098	6	MEC028	5/1/07	09:39	-31	~55	LSW	5/1/07	13:59	-4	55	LSW	X	
-9	04516-SOT-IA	I	M170	6	MEC32	5/1/07	00:00	-29	~55	LSW	5/1/07	00:00	-3.5	55	LSW	X	

Turnaround Time (Business days)

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

Approved By: RZZRA
Date: 4/30/07

Data Deliverable Information

Comm A
Comm B
Full T1 X
Other:

Comments / Remarks

Please see attached list of analytes
RESULTS BY FRIDAY (5/4)

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 Tommy Whelly	5/1/07 15:30	1	2	5/1/07 16:50	
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (2/14/06)

4.1 4

M64501: Chain of Custody
Page 1 of 2

Soil Gas
~~Indoor Air~~ **Sampling Analyte List**

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

Summa Canister and Flow Controller Log

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 05/01/07

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
M042	6	29.4	04/16/07	PB	CP393	J9992.D	M64501-1	05/04/07	PB	4		-2	1
M142	6	29.4	04/16/07	PB	CP394	J9993.D	M64501-2	05/04/07	PB	2		-1	1
M068	6	29.4	04/16/07	PB	CP394	J9993.D	M64501-3	05/04/07	PB	2		-1	1
M125	6	29.4	04/16/07	PB	CP394	J9993.D	M64501-4	05/04/07	PB	1		-.5	1
M114	6	29.4	04/16/07	PB	CP397	J10041.D	M64501-5	05/04/07	PB	2		-1	1
M066	6	29.4	04/16/07	PB	CP393	J9992.D	M64501-6	05/04/07	PB	0		0	1
M044	6	29.4	04/16/07	PB	CP397	J10041.D	M64501-7	05/04/07	PB	4		-2	1
M170	6	29.4	04/16/07	PB	CP397	J10041.D	M64501-8	05/04/07	PB	2		-1	1
M098	6	29.4	04/16/07	PB	CP397	J10041.D	M64501-9	05/04/07	PB	2		-1	1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC008	04/19/07	PB	20	4	05/04/07	PB	20.7
MC027	04/19/07	PB	20	4	05/04/07	PB	20.3
MC028	04/19/07	PB	20	4	05/04/07	PB	20.9
MC032	04/19/07	PB	20	4	05/04/07	PB	20.1
MC040	03/05/07	PB	20	4	05/04/07	PB	23.9
MC049	04/19/07	PB	20	4	05/04/07	PB	21
MC059	04/19/07	PB	20	4	05/04/07	PB	20.5
MC061	04/19/07	PB	20	4	05/04/07	PB	21.4
MC065	02/02/07	PB	20	4	05/04/07	PB	22

Accutest Bottle Order(s):
PB/2-2-07/GEI/TUFTS ST.
PB/3-5-07/GEI/TUFTS STREET
PB/4-16-07/GEI/TUFTS ST.
PB/4-19-0//GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
04/16/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64501

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64501-1	Collected: 01-MAY-07 13:40 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-NP						
M64501-1	TO-15	04-MAY-07 17:32	PB			VTO15STD
M64501-2	Collected: 01-MAY-07 13:46 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-NW						
M64501-2	TO-15	04-MAY-07 19:03	PB			VTO15STD
M64501-3	Collected: 01-MAY-07 13:32 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-NO						
M64501-3	TO-15	04-MAY-07 19:50	PB			VTO15STD
M64501-4	Collected: 01-MAY-07 13:18 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-SO						
M64501-4	TO-15	05-MAY-07 07:57	PB			VTO15STD
M64501-5	Collected: 01-MAY-07 13:55 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-NC						
M64501-5	TO-15	05-MAY-07 12:30	PB			VTO15STD
M64501-6	Collected: 01-MAY-07 14:07 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-GA						
M64501-6	TO-15	05-MAY-07 09:28	PB			VTO15STD
M64501-7	Collected: 01-MAY-07 13:42 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-SP						
M64501-7	TO-15	05-MAY-07 10:15	PB			VTO15STD
M64501-8	Collected: 01-MAY-07 13:59 By: LJW		Received: 01-MAY-07 By: RS			
04516-50T-SC						
M64501-8	TO-15	05-MAY-07 11:00	PB			VTO15STD

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64501

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64501-9 Collected: 01-MAY-07 00:00 By: LJW Received: 01-MAY-07 By: RS 04516-50T-IA						
M64501-9	TO-15	05-MAY-07 11:45	PB			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ181-MB	Q3342.D	1	05/04/07	PB	n/a	n/a	MSQ181

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

M64501-1, M64501-2, M64501-3, M64501-4, M64501-5, M64501-6, M64501-7, M64501-8, M64501-9

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	76%	57-139%

Method Blank Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ516-MB	J9975.D	1	04/10/07	PB	n/a	n/a	MSJ516

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

MSJ516-SCC

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	75%	57-139%

Method Blank Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ517-MB	J10001.D	1	04/11/07	PB	n/a	n/a	MSJ517

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

MSJ517-SCC

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

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

Method Blank Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ518-MB	J10019.D	1	04/13/07	PB	n/a	n/a	MSJ518

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

MSJ518-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	80%	57-139%

Blank Spike Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ181-BS	Q3341B.D	1	05/04/07	PB	n/a	n/a	MSQ181

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

M64501-1, M64501-2, M64501-3, M64501-4, M64501-5, M64501-6, M64501-7, M64501-8, M64501-9

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.7	97	70-130
56-23-5	Carbon tetrachloride	10	8.2	82	70-130
75-34-3	1,1-Dichloroethane	10	9.5	95	70-130
75-35-4	1,1-Dichloroethylene	10	10.6	106	70-130
107-06-2	1,2-Dichloroethane	10	7.6	76	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.4	94	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.2	82	70-130
71-55-6	1,1,1-Trichloroethane	10	7.9	79	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	7.9	79	70-130
79-00-5	1,1,2-Trichloroethane	10	8.5	85	70-130
127-18-4	Tetrachloroethylene	10	8.6	86	70-130
79-01-6	Trichloroethylene	10	8.5	85	70-130
75-01-4	Vinyl chloride	10	8.3	83	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	57-139%

Blank Spike Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ516-BS	J9973A.D	1	04/10/07	PB	n/a	n/a	MSJ516

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

MSJ516-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.8	108	70-130
56-23-5	Carbon tetrachloride	10	10.6	106	70-130
75-34-3	1,1-Dichloroethane	10	9.7	97	70-130
75-35-4	1,1-Dichloroethylene	10	9.8	98	70-130
107-06-2	1,2-Dichloroethane	10	10.9	109	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.9	99	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.2	102	70-130
71-55-6	1,1,1-Trichloroethane	10	10.3	103	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	13.4	134* [a]	70-130
79-00-5	1,1,2-Trichloroethane	10	12.1	121	70-130
127-18-4	Tetrachloroethylene	10	11.7	117	70-130
79-01-6	Trichloroethylene	10	12.7	127	70-130
75-01-4	Vinyl chloride	10	11.3	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	57-139%

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ517-BS	J9999A.D	1	04/11/07	PB	n/a	n/a	MSJ517

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

MSJ517-SCC

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

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

Blank Spike Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ518-BS	J10018A.D	1	04/13/07	PB	n/a	n/a	MSJ518

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

MSJ518-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.1	91	70-130
56-23-5	Carbon tetrachloride	10	12.6	126	70-130
75-34-3	1,1-Dichloroethane	10	7.8	78	70-130
75-35-4	1,1-Dichloroethylene	10	8.5	85	70-130
107-06-2	1,2-Dichloroethane	10	11.6	116	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.3	83	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.1	91	70-130
71-55-6	1,1,1-Trichloroethane	10	11.6	116	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	10.4	104	70-130
79-00-5	1,1,2-Trichloroethane	10	11.1	111	70-130
127-18-4	Tetrachloroethylene	10	10.8	108	70-130
79-01-6	Trichloroethylene	10	12.2	122	70-130
75-01-4	Vinyl chloride	10	9.3	93	70-130

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

Duplicate Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M64501-1DUP	Q3344.D	1	05/04/07	PB	n/a	n/a	MSQ181
M64501-1	Q3343.D	1	05/04/07	PB	n/a	n/a	MSQ181

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

M64501-1, M64501-2, M64501-3, M64501-4, M64501-5, M64501-6, M64501-7, M64501-8, M64501-9

CAS No.	Compound	M64501-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.12	J	0.11	J	9	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	0.070	J	0.097	J	32* [a]	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.26		0.27		4	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64501-1	Limits
460-00-4	4-Bromofluorobenzene	91%	87%	57-139%

(a) High RPD due to sample levels below reporting limit.

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ516-SCC	J9986.D	1	04/11/07	PB	n/a	n/a	MSJ516

The QC reported here (Summa M042) applies to the following samples: **Method:** TO-15

Batch CP393 cleaned 04/04/07: M64501-1(M042)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	57-139%

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ516-SCC	J9990.D	1	04/11/07	PB	n/a	n/a	MSJ516

The QC reported here (Summa M066) applies to the following samples: **Method:** TO-15

Batch CP393 cleaned 04/04/07: M64501-6(M066)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	57-139%

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ516-SCC	J9993.D	1	04/11/07	PB	n/a	n/a	MSJ516

The QC reported here (Summa M142) applies to the following samples: **Method:** TO-15

Batch CP394 cleaned 04/04/07: M64501-2(M142)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	57-139%

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ517-SCC	J10001.D	1	04/11/07	PB	n/a	n/a	MSJ517

The QC reported here (Summa M125) applies to the following samples: **Method:** TO-15

Batch CP394 cleaned 04/04/07: M64501-4(M125)

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

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

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ517-SCC	J10015.D	1	04/12/07	PB	n/a	n/a	MSJ517

The QC reported here (Summa M068) applies to the following samples: **Method:** TO-15

Batch CP394 cleaned 04/04/07: M64501-3(M068)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	57-139%

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ518-SCC	J10033.D	1	04/14/07	PB	n/a	n/a	MSJ518

The QC reported here (Summa M170) applies to the following samples: **Method:** TO-15

Batch CP397 cleaned 04/13/07: M64501-8(M170)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	57-139%

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ518-SCC	J10034.D	1	04/14/07	PB	n/a	n/a	MSJ518

The QC reported here (Summa M044) applies to the following samples: **Method:** TO-15

Batch CP397 cleaned 04/13/07: M64501-7(M044)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	78%	57-139%

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ518-SCC	J10036.D	1	04/14/07	PB	n/a	n/a	MSJ518

The QC reported here (Summa M098) applies to the following samples: **Method:** TO-15

Batch CP397 cleaned 04/13/07: M64501-9(M098)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	57-139%

Summa Cleaning Certification

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ518-SCC	J10041.D	1	04/14/07	PB	n/a	n/a	MSJ518

The QC reported here (Summa M114) applies to the following samples: **Method:** TO-15

Batch CP397 cleaned 04/13/07: M64501-5(M114)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	57-139%

Instrument Performance Check (BFB)

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4273	30.2		Pass
75	30.0 - 66.0% of mass 95	7769	54.9		Pass
95	Base peak, 100% relative abundance	14160	100.0		Pass
96	5.0 - 9.0% of mass 95	1090	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	12562	88.7		Pass
175	4.0 - 9.0% of mass 174	735	5.2	(5.9) [a]	Pass
176	93.0 - 101.0% of mass 174	11811	83.4	(94.0) [a]	Pass
177	5.0 - 9.0% of mass 176	949	6.7	(8.0) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ513-ICC513	J9928.D	04/05/07	12:13	00:00	Initial cal 10
MSJ513-IC513	J9929.D	04/05/07	12:58	00:45	Initial cal 40
MSJ513-IC513	J9930.D	04/05/07	13:44	01:31	Initial cal 20
MSJ513-IC513	J9931.D	04/05/07	14:31	02:18	Initial cal 5
MSJ513-IC513	J9932.D	04/05/07	15:17	03:04	Initial cal 2
MSJ513-IC513	J9933.D	04/05/07	16:02	03:49	Initial cal .5
MSJ513-IC513	J9934.D	04/05/07	16:45	04:32	Initial cal .2
MSJ513-ICV513	J9935.D	04/05/07	17:39	05:26	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ516-BFB
Lab File ID: J9973.D
Instrument ID: GCMSJ
Injection Date: 04/10/07
Injection Time: 13:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	37524	25.9		Pass
75	30.0 - 66.0% of mass 95	81320	56.2		Pass
95	Base peak, 100% relative abundance	144704	100.0		Pass
96	5.0 - 9.0% of mass 95	8796	6.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	103832	71.8		Pass
175	4.0 - 9.0% of mass 174	5212	3.6	(5.0) [a]	Pass
176	93.0 - 101.0% of mass 174	99848	69.0	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	5375	3.7	(5.4) [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
MSJ516-CC513	J9973.D	04/10/07	13:53	00:00	Continuing cal 10
MSJ516-BS	J9973A.D	04/10/07	13:53	00:00	Blank Spike
MSJ516-MB	J9975.D	04/10/07	15:28	01:35	Method Blank
MSJ516-SCC	J9975.D	04/10/07	15:28	01:35	Summa Cleaning Certification
ZZZZZZ	J9976.D	04/10/07	16:11	02:18	(unrelated sample)
ZZZZZZ	J9978.D	04/10/07	17:48	03:55	(unrelated sample)
ZZZZZZ	J9979.D	04/10/07	18:40	04:47	(unrelated sample)
ZZZZZZ	J9980.D	04/10/07	19:30	05:37	(unrelated sample)
ZZZZZZ	J9981.D	04/10/07	20:19	06:26	(unrelated sample)
M63917-1	J9985.D	04/10/07	23:38	09:45	(used for QC only; not part of job M64501)
MSJ516-SCC	J9986.D	04/11/07	00:28	10:35	Summa Cleaning Certification
MSJ516-SCC	J9987.D	04/11/07	01:16	11:23	Summa Cleaning Certification
MSJ516-SCC	J9988.D	04/11/07	02:05	12:12	Summa Cleaning Certification
MSJ516-SCC	J9989.D	04/11/07	02:53	13:00	Summa Cleaning Certification
MSJ516-SCC	J9990.D	04/11/07	03:42	13:49	Summa Cleaning Certification
MSJ516-SCC	J9992.D	04/11/07	05:19	15:26	Summa Cleaning Certification
MSJ516-SCC	J9993.D	04/11/07	06:06	16:13	Summa Cleaning Certification
M63917-1DUP	J9994.D	04/11/07	09:47	19:54	Duplicate

Instrument Performance Check (BFB)

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	29930	27.6		Pass
75	30.0 - 66.0% of mass 95	66128	61.0		Pass
95	Base peak, 100% relative abundance	108448	100.0		Pass
96	5.0 - 9.0% of mass 95	8455	7.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	72320	66.7		Pass
175	4.0 - 9.0% of mass 174	5248	4.8	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	68442	63.1	(94.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5680	5.2	(8.3) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ517-CC513	J9999.D	04/11/07	14:29	00:00	Continuing cal 10
MSJ517-BS	J9999A.D	04/11/07	14:29	00:00	Blank Spike
MSJ517-MB	J10001.D	04/11/07	16:04	01:35	Method Blank
MSJ517-SCC	J10001.D	04/11/07	16:04	01:35	Summa Cleaning Certification
M63914-4	J10002.D	04/11/07	16:57	02:28	(used for QC only; not part of job M64501)
M63914-4DUP	J10003.D	04/11/07	17:50	03:21	Duplicate
ZZZZZZ	J10005.D	04/11/07	19:35	05:06	(unrelated sample)
ZZZZZZ	J10006.D	04/11/07	20:26	05:57	(unrelated sample)
ZZZZZZ	J10007.D	04/11/07	21:16	06:47	(unrelated sample)
ZZZZZZ	J10008.D	04/12/07	08:59	18:30	(unrelated sample)
ZZZZZZ	J10009.D	04/12/07	09:48	19:19	(unrelated sample)
ZZZZZZ	J10010.D	04/12/07	10:30	20:01	(unrelated sample)
ZZZZZZ	J10011.D	04/12/07	11:18	20:49	(unrelated sample)
ZZZZZZ	J10012.D	04/12/07	12:09	21:40	(unrelated sample)
MSJ517-SCC	J10013.D	04/12/07	12:59	22:30	Summa Cleaning Certification
MSJ517-SCC	J10014.D	04/12/07	13:50	23:21	Summa Cleaning Certification
MSJ517-SCC	J10015.D	04/12/07	14:40	24:11	Summa Cleaning Certification
MSJ517-SCC	J10016.D	04/12/07	15:28	24:59	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ518-BFB
Lab File ID: J10018.D
Instrument ID: GCMSJ
Injection Date: 04/13/07
Injection Time: 09:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	8862	27.4		Pass
75	30.0 - 66.0% of mass 95	20345	62.9		Pass
95	Base peak, 100% relative abundance	32368	100.0		Pass
96	5.0 - 9.0% of mass 95	2699	8.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	20530	63.4		Pass
175	4.0 - 9.0% of mass 174	935	2.9	(4.6) [a]	Pass
176	93.0 - 101.0% of mass 174	20290	62.7	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	1248	3.9	(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
MSJ518-CC513	J10018.D	04/13/07	09:41	00:00	Continuing cal 10
MSJ518-BS	J10018A.D	04/13/07	09:41	00:00	Blank Spike
MSJ518-MB	J10019.D	04/13/07	11:20	01:39	Method Blank
MSJ518-SCC	J10019A.D	04/13/07	11:20	01:39	Summa Cleaning Certification
ZZZZZZ	J10020.D	04/13/07	12:12	02:31	(unrelated sample)
M64022-1	J10022.D	04/13/07	15:16	05:35	(used for QC only; not part of job M64501)
M64022-1DUP	J10023.D	04/13/07	16:05	06:24	Duplicate
ZZZZZZ	J10026.D	04/13/07	18:46	09:05	(unrelated sample)
ZZZZZZ	J10028.D	04/13/07	20:30	10:49	(unrelated sample)
ZZZZZZ	J10029.D	04/13/07	21:22	11:41	(unrelated sample)
ZZZZZZ	J10030.D	04/13/07	22:14	12:33	(unrelated sample)
MSJ518-SCC	J10033.D	04/14/07	00:47	15:06	Summa Cleaning Certification
MSJ518-SCC	J10034.D	04/14/07	01:38	15:57	Summa Cleaning Certification
MSJ518-SCC	J10035.D	04/14/07	02:28	16:47	Summa Cleaning Certification
MSJ518-SCC	J10036.D	04/14/07	03:18	17:37	Summa Cleaning Certification
MSJ518-SCC	J10037.D	04/14/07	04:08	18:27	Summa Cleaning Certification
MSJ518-SCC	J10038.D	04/14/07	04:57	19:16	Summa Cleaning Certification
MSJ518-SCC	J10039.D	04/14/07	05:47	20:06	Summa Cleaning Certification
MSJ518-SCC	J10040.D	04/14/07	06:35	20:54	Summa Cleaning Certification
MSJ518-SCC	J10041.D	04/14/07	07:25	21:44	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ180-BFB
Lab File ID: Q3333.D
Instrument ID: GCMSQ
Injection Date: 05/03/07
Injection Time: 17:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	42294	26.5		Pass
75	30.0 - 66.0% of mass 95	95074	59.6		Pass
95	Base peak, 100% relative abundance	159520	100.0		Pass
96	5.0 - 9.0% of mass 95	9974	6.3		Pass
173	Less than 2.0% of mass 174	1288	0.81	(1.1) [a]	Pass
174	50.0 - 120.0% of mass 95	117362	73.6		Pass
175	4.0 - 9.0% of mass 174	7854	4.9	(6.7) [a]	Pass
176	93.0 - 101.0% of mass 174	111676	70.0	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	7381	4.6	(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
MSQ180-IC180	Q3333.D	05/03/07	17:52	00:00	Initial cal 40
MSQ180-IC180	Q3334.D	05/04/07	09:46	15:54	Initial cal 20
MSQ180-ICC180	Q3335.D	05/04/07	10:27	16:35	Initial cal 10
MSQ180-IC180	Q3336.D	05/04/07	11:06	17:14	Initial cal 5
MSQ180-IC180	Q3337.D	05/04/07	12:03	18:11	Initial cal 2
MSQ180-IC180	Q3338.D	05/04/07	12:52	19:00	Initial cal .5
MSQ180-IC180	Q3339.D	05/04/07	14:01	20:09	Initial cal .2

Instrument Performance Check (BFB)

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ181-BFB
Lab File ID: Q3341.D
Instrument ID: GCMSQ
Injection Date: 05/04/07
Injection Time: 15:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	38916	25.2		Pass
75	30.0 - 66.0% of mass 95	88356	57.2		Pass
95	Base peak, 100% relative abundance	154463	100.0		Pass
96	5.0 - 9.0% of mass 95	10096	6.5		Pass
173	Less than 2.0% of mass 174	764	0.49	(0.72) [a]	Pass
174	50.0 - 120.0% of mass 95	106544	69.0		Pass
175	4.0 - 9.0% of mass 174	6645	4.3	(6.2) [a]	Pass
176	93.0 - 101.0% of mass 174	103272	66.9	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	6042	3.9	(5.9) [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
MSQ181-CC180	Q3341.D	05/04/07	15:31	00:00	Continuing cal 10
MSQ181-BS	Q3341B.D	05/04/07	15:31	00:00	Blank Spike
MSQ181-ICV180	Q3341A.D	05/04/07	15:31	00:00	Initial cal verification 10
MSQ181-MB	Q3342.D	05/04/07	16:46	01:15	Method Blank
MSQ181-SCC	Q3342A.D	05/04/07	16:46	01:15	Summa Cleaning Certification
M64501-1	Q3343.D	05/04/07	17:32	02:01	04516-50T-NP
M64501-1DUP	Q3344.D	05/04/07	18:18	02:47	Duplicate
M64501-2	Q3345.D	05/04/07	19:03	03:32	04516-50T-NW
M64501-3	Q3346.D	05/04/07	19:50	04:19	04516-50T-NO
M64501-4	Q3347.D	05/05/07	07:57	16:26	04516-50T-SO
M64501-6	Q3349.D	05/05/07	09:28	17:57	04516-50T-GA
M64501-7	Q3350.D	05/05/07	10:15	18:44	04516-50T-SP
M64501-8	Q3351.D	05/05/07	11:00	19:29	04516-50T-SC
M64501-9	Q3352.D	05/05/07	11:45	20:14	04516-50T-IA
M64501-5	Q3353.D	05/05/07	12:30	20:59	04516-50T-NC

Volatile Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ516-CC513	**Injection Date:**	04/10/07
Lab File ID:	J9973.D	**Injection Time:**	13:53
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	418848	8.61	1033770	10.43	832802	14.67
Upper Limit [a]	586387	8.94	1447278	10.76	1165923	15.00
Lower Limit [b]	251309	8.28	620262	10.10	499681	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ516-BS	418848	8.61	1033770	10.43	832802	14.67
MSJ516-MB	374779	8.59	910289	10.41	732157	14.65
MSJ516-SCC	374779	8.59	910289	10.41	732157	14.65
ZZZZZZ	311236	8.58	718248	10.45	584893	14.66
ZZZZZZ	318049	8.62	667698	10.44	514038	14.67
ZZZZZZ	290530	8.62	660547	10.44	503959	14.67
ZZZZZZ	361474	8.62	851578	10.44	668853	14.67
ZZZZZZ	358550	8.62	832937	10.43	676400	14.67
M63917-1	288192	8.63	634721	10.44	531984	14.67
MSJ516-SCC	322128	8.62	703695	10.44	547684	14.67
MSJ516-SCC	339961	8.61	785293	10.43	657058	14.66
MSJ516-SCC	339886	8.62	799976	10.43	649971	14.67
MSJ516-SCC	310311	8.62	679562	10.43	564625	14.67
MSJ516-SCC	331960	8.62	781796	10.44	636111	14.67
MSJ516-SCC	324502	8.62	742068	10.44	611940	14.67
MSJ516-SCC	293015	8.62	679684	10.44	546540	14.67
M63917-1DUP	350586	8.62	770721	10.44	628848	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: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

Volatile Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ518-CC513	**Injection Date:**	04/13/07
Lab File ID:	J10018.D	**Injection Time:**	09:41
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	391906	8.59	883716	10.42	732480	14.67
Upper Limit [a]	548668	8.92	1237202	10.75	1025472	15.00
Lower Limit [b]	235144	8.26	530230	10.09	439488	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ518-BS	391906	8.59	883716	10.42	732480	14.67
MSJ518-MB	377149	8.61	816029	10.43	680714	14.67
MSJ518-SCC	377149	8.61	816029	10.43	680714	14.67
ZZZZZZ	343744	8.61	765306	10.43	587422	14.66
M64022-1	335134	8.62	684749	10.43	578958	14.67
M64022-1DUP	300042	8.61	652111	10.42	528914	14.66
ZZZZZZ	306074	8.61	661680	10.43	531234	14.67
ZZZZZZ	287782	8.62	613284	10.43	492513	14.67
ZZZZZZ	298796	8.61	634985	10.43	490001	14.67
ZZZZZZ	292217	8.63	632024	10.44	528751	14.67
MSJ518-SCC	275486	8.62	587820	10.44	489682	14.67
MSJ518-SCC	265880	8.61	571989	10.43	470909	14.67
MSJ518-SCC	248401	8.62	573744	10.43	465622	14.67
MSJ518-SCC	257118	8.62	543681	10.44	434224*	14.67
MSJ518-SCC	262465	8.62	552091	10.43	455187	14.67
MSJ518-SCC	253072	8.61	539426	10.43	443702	14.67
MSJ518-SCC	240519	8.62	525379*	10.43	438160*	14.67
MSJ518-SCC	240602	8.62	516559*	10.44	441290	14.67
MSJ518-SCC	236915	8.62	519952*	10.44	424596*	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: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ181-CC180	**Injection Date:**	05/04/07
Lab File ID:	Q3341.D	**Injection Time:**	15:31
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	186085	8.64	801024	10.47	676596	14.72
Upper Limit [a]	260519	8.97	1121434	10.80	947234	15.05
Lower Limit [b]	111651	8.31	480614	10.14	405958	14.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ181-BS	186085	8.64	801024	10.47	676596	14.72
MSQ181-MB	140470	8.65	599693	10.48	459105	14.72
MSQ181-SCC	140470	8.65	599693	10.48	459105	14.72
M64501-1	151343	8.66	679672	10.48	554986	14.72
M64501-1DUP	147089	8.64	634650	10.47	531651	14.72
M64501-2	150720	8.65	652233	10.48	523434	14.72
M64501-3	156207	8.64	681057	10.47	564372	14.72
M64501-4	160291	8.64	719011	10.47	608957	14.72
M64501-6	160903	8.63	700245	10.46	581231	14.72
M64501-7	154490	8.64	680475	10.47	549976	14.71
M64501-8	158239	8.64	695578	10.46	576967	14.71
M64501-9	150704	8.63	659968	10.46	534621	14.71
M64501-5	149145	8.63	649364	10.46	566557	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: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.62	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.44	1.070	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.18	8.62	0.601	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.91	8.62	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.44	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.52	8.62	0.756	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.67	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	510561	ok	512996	307798-718194
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1233742	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1022893	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.45	1.063	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.67	8.63	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.68	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.27	8.63	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.38	10.45	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.45	1.069	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.92	14.68	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.68	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.20	8.63	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.11	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.008	0.948-1.068
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.33	8.63	0.502	ok	0.502	0.442-0.562
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.416	1.356-1.476
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.17	14.68	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.63	0.689	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.63	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.00	10.45	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.63	0.897	ok	0.898	0.838-0.958
Nonane	15.99	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.463	0.403-0.523
Styrene	15.69	14.68	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.55	8.63	0.759	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.13	10.45	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.30	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.62	8.29-8.95	590664	ok	512996	307798-718194
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1403833	ok	1235702	741421-1729983
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1176391	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.63	0.654	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.63	0.532	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.63	0.562	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.68	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.38	10.45	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.45	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.45	1.069	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.06	8.63	0.470	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.68	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.45	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.192	1.132-1.252
Ethanol	5.19	8.63	0.601	ok	0.604	0.544-0.664
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.63	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.63	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.45	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.416	1.356-1.476
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.68	0.896	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.68	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.63	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.45	1.147	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.898	0.838-0.958
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.99	8.63	0.462	ok	0.463	0.403-0.523
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.68	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.63	0.757	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.45	1.233	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.62	8.29-8.95	565791	ok	512996	307798-718194
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1377948	ok	1235702	741421-1729983
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1129644	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.63	0.656	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.44	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.63	0.562	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.63	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.44	1.071	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.19	8.63	0.601	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.63	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.63	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.63	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.63	0.897	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.63	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.52	8.63	0.756	ok	0.759	0.699-0.819
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.63	1.065	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.62	8.29-8.95	529798	ok	512996	307798-718194
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1319486	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1061226	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.61	0.656	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.61	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.61	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.61	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.66	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.61	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.64	8.61	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.66	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.61	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.61	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.61	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.66	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.43	8.61	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.88	10.43	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.61	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.61	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethanol	5.18	8.61	0.602	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.61	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.66	1.171	ok	1.170	1.110-1.230
Freon 113	6.77	8.61	0.786	ok	0.787	0.727-0.847
Freon 114	4.33	8.61	0.503	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.416	1.356-1.476
Hexane	8.62	8.61	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.66	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.91	8.61	0.686	ok	0.689	0.629-0.749
Methylene chloride	6.53	8.61	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.06	8.61	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.98	10.43	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.61	0.898	ok	0.898	0.838-0.958
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.61	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.61	0.465	ok	0.463	0.403-0.523
Styrene	15.67	14.66	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.61	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.66	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.66	1.383	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.66	1.209	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.66	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.51	8.61	0.756	ok	0.759	0.699-0.819
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.61	1.065	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.61	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.61	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.61	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.66	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.66	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.61	ok	8.62	8.29-8.95	441731	ok	512996	307798-718194
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1006876	ok	1235702	741421-1729983
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	802111	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.62	0.659	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.39	8.62	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.67	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.73	8.62	1.013	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.62	0.886	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.67	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.43	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.23	10.43	1.077	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.192	1.132-1.252
Ethanol	5.24	8.62	0.608	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	Reporting this level
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.67	0.900	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.689	0.629-0.749
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.01	10.43	1.151	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.75	8.62	0.899	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.01	8.62	0.465	ok	0.463	0.403-0.523
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.29	14.67	1.383	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.759	0.699-0.819
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.21	8.62	1.068	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	461363	ok	512996	307798-718194
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1100926	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	838778	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.61	0.661	ok	0.657	0.597-0.717
1,3-Butadiene	4.57	8.61	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.85	8.61	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.61	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.61	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.61	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.61	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.35	10.43	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.61	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.61	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.67	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.61	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.88	10.43	1.043	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.67	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.61	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethanol	5.25	8.61	0.610	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.61	1.010	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.61	0.786	ok	0.787	0.727-0.847
Freon 114	4.32	8.61	0.502	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.63	8.61	1.002	ok	1.001	0.941-1.061
2-Hexanone	13.20	14.67	0.900	ok	0.898	0.838-0.958

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ513-ICC513	J9928.D	04/05/07 12:13	PB	10	GCMSJ	TO-15	
MSJ513-IC513	J9929.D	04/05/07 12:58	PB	40	GCMSJ	TO-15	
MSJ513-IC513	J9930.D	04/05/07 13:44	PB	20	GCMSJ	TO-15	
MSJ513-IC513	J9931.D	04/05/07 14:31	PB	5	GCMSJ	TO-15	
MSJ513-IC513	J9932.D	04/05/07 15:17	PB	2	GCMSJ	TO-15	
MSJ513-IC513	J9933.D	04/05/07 16:02	PB	.5	GCMSJ	TO-15	
MSJ513-IC513	J9934.D	04/05/07 16:45	PB	.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.99	8.61	0.696	ok	0.689	0.629-0.749
Methylene chloride	6.54	8.61	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.10	8.61	0.941	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.02	10.43	1.152	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.75	8.61	0.900	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.61	0.712	ok	0.712	0.652-0.772
Propylene	3.98	8.61	0.462	ok	0.463	0.403-0.523
1,1,1-Trichloroethane	9.67	8.61	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.61	8.61	0.768	ok	0.759	0.699-0.819
Tetrachloroethylene	14.02	14.67	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.61	1.072	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.61	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.44	8.61	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.61	0.907	ok	0.905	0.845-0.965
m,p-Xylene	15.26	14.67	1.040	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.61	ok	8.62	8.29-8.95	491064	ok	512996	307798-718194
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1207102	ok	1235702	741421-1729983
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	937074	ok	995445	597267-1393623

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.65	0.647	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.65	0.527	ok	0.528	0.468-0.588
Benzene	10.17	10.48	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.13	10.48	1.062	ok	1.062	1.002-1.122
Bromoform	15.45	14.72	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.65	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.65	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.65	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.65	0.580	ok	0.580	0.520-0.640
Chloroform	8.77	8.65	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.65	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.65	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.31	8.65	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.48	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.65	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.65	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.65	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.48	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.48	1.063	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.65	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.65	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.49	8.65	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.48	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.48	1.191	ok	1.192	1.132-1.252
Ethanol	5.11	8.65	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.65	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.65	0.787	ok	0.788	0.728-0.848
Freon 114	4.31	8.65	0.498	ok	0.498	0.438-0.558
Heptane	11.43	10.48	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.62	14.72	1.401	ok	1.412	1.352-1.472
Hexane	8.68	8.65	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.65	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.65	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.65	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.48	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.65	0.892	ok	0.893	0.833-0.953
Nonane	16.05	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.65	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.65	0.459	ok	0.459	0.399-0.519
Styrene	15.73	14.72	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.65	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.84	14.72	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.48	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.48	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.65	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.08	14.72	0.957	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.65	1.057	ok	1.059	0.999-1.119
Toluene	12.94	10.48	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.48	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.65	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.65	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.65	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.35	14.72	1.043	ok	1.042	0.982-1.102
o-Xylene	15.85	14.72	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	8.65	ok	8.64	8.31-8.97	162299	ok	168139	100883-235395
1,4-Difluorobenzene	10.48	ok	10.47	10.14-10.80	778867	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	670528	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	Reporting this level
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.57	8.64	0.529	ok	0.528	0.468-0.588
Benzene	10.16	10.47	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.85	8.64	0.561	ok	0.560	0.500-0.620
Bromoethene	5.38	8.64	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.64	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.31	8.64	1.193	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.64	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.47	1.064	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.05	8.64	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.49	8.64	0.983	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.192	1.132-1.252
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.14	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.82	8.64	0.789	ok	0.788	0.728-0.848
Freon 114	4.31	8.64	0.499	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	Reporting this level
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.72	0.893	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.64	0.744	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	162679	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	808573	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	666530	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.64	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.64	0.528	ok	0.528	0.468-0.588
Benzene	10.16	10.47	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.64	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.47	1.065	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	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	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	171906	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	752712	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	644263	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.57	8.64	0.529	ok	0.528	0.468-0.588
Benzene	10.17	10.47	0.971	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.03	14.72	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.47	1.064	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.12	8.64	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.72	1.170	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	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	0.902	0.842-0.962
m,p-Xylene	15.32	14.72	1.041	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	169088	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	758871	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	600276	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.56	8.64	0.528	ok	0.528	0.468-0.588
Benzene	10.16	10.47	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.93	10.47	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.47	1.065	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.14	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.82	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.33	14.72	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.64	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.93	10.47	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.33	14.72	1.041	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	224559	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1068771	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	858732	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.57	8.64	0.529	ok	0.528	0.468-0.588
Benzene	10.17	10.47	0.971	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.03	14.72	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.64	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.16	10.47	1.066	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.05	8.64	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.14	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.72	1.170	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.47	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.64	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.98	8.64	0.461	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.47	1.069	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.64	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.64	1.061	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.41	8.64	0.510	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.35	14.72	1.043	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	126062	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	590641	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	497909	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.65	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.65	0.527	ok	0.528	0.468-0.588
Benzene	10.17	10.47	0.971	ok	0.971	0.911-1.031
Bromodichloromethane	11.11	10.47	1.061	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.65	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.65	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.65	0.793	ok	0.795	0.735-0.855
Chlorobenzene	14.78	14.72	1.004	ok	1.003	0.943-1.063
Chloroethane	5.02	8.65	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.65	1.013	ok	1.014	0.954-1.074
Chloromethane	4.19	8.65	0.484	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.65	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.65	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.65	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.65	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.65	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
Dichlorodifluoromethane	4.04	8.65	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.65	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.65	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.65	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.65	1.002	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.82	8.65	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.65	0.497	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.82	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.65	1.003	ok	1.004	0.944-1.064
2-Hexanone	13.17	14.72	0.895	ok	0.894	0.834-0.954

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.65	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.65	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.07	8.65	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	12.00	10.47	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.73	8.65	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.65	0.712	ok	0.712	0.652-0.772
Propylene	3.95	8.65	0.457	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.65	1.123	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.82	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.65	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.65	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.65	0.669	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.65	0.511	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.65	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.65	ok	8.64	8.31-8.97	160379	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	729774	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	600663	ok	648414	389048-907780

Volatile Surrogate Recovery Summary

Job Number: M64501
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M64501-1	Q3343.D	87.0
M64501-2	Q3345.D	102.0
M64501-3	Q3346.D	106.0
M64501-4	Q3347.D	108.0
M64501-5	Q3353.D	105.0
M64501-6	Q3349.D	104.0
M64501-7	Q3350.D	89.0
M64501-8	Q3351.D	106.0
M64501-9	Q3352.D	94.0
M64501-1DUP	Q3344.D	91.0
MSJ516-SCC	J9986.D	76.0
MSJ516-SCC	J9990.D	80.0
MSJ516-SCC	J9993.D	79.0
MSJ517-SCC	J10001.D	84.0
MSJ517-SCC	J10015.D	81.0
MSJ518-SCC	J10033.D	82.0
MSJ518-SCC	J10034.D	78.0
MSJ518-SCC	J10036.D	80.0
MSJ518-SCC	J10041.D	81.0
MSQ181-BS	Q3341B.D	105.0
MSQ181-MB	Q3342.D	76.0
MSJ516-BS	J9973A.D	100.0
MSJ516-MB	J9975.D	75.0
MSJ517-BS	J9999A.D	107.0
MSJ517-MB	J10001.D	84.0
MSJ518-BS	J10018A.D	108.0
MSJ518-MB	J10019.D	80.0

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

Initial Calibration Summary

Job Number: M64501 **Sample:** MSJ513-ICC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9928.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

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

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

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

Initial Calibration Summary

Job Number: M64501 **Sample:** MSJ513-ICC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9928.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

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

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

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

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

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

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

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

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

Initial Calibration Summary

Job Number: M64501 **Sample:** MSJ513-ICC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9928.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Initial Calibration Verification

Job Number: M64501 **Sample:** MSJ513-ICV513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9935.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

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

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

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

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

Initial Calibration Verification

Job Number: M64501 **Sample:** MSJ513-ICV513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9935.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

Initial Calibration Verification

Job Number: M64501 **Sample:** MSJ513-ICV513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9935.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

			AvgRF	CCRF	% Dev
74	m	NAPHTHALENE		NA	

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

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

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ516-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9973.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J9973.D Vial: 4
Acq On : 10 Apr 2007 1:53 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13352, MSJ516,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	82	-0.02	8.61
2	m	DICHLORODIFLUOROMETHANE	2.268	2.318	-2.2	86	0.00	4.06
3	m	PROPYLENE	0.358	0.447	-24.9	103	0.00	3.99
4	m	FREON 114	1.913	2.008	-5.0	91	-0.01	4.31
5	m	CHLOROMETHANE	0.512	0.597	-16.6	106	0.00	4.23
6	m	VINYL CHLORIDE	0.535	0.602	-12.5	95	-0.01	4.44
7	m	1,3-BUTADIENE	0.442	0.563	-27.4	98	-0.01	4.57
8	m	BROMOMETHANE	0.594	0.601	-1.2	86	0.00	4.85
9	m	CHLOROETHANE	0.247	0.267	-8.1	97	-0.01	5.02
10	m	TRICHLOROFLUOROMETHANE	2.455	2.487	-1.3	84	-0.02	5.78
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	9.889	1.1	92	-0.02	5.90
12	m	ACETONE	10.000	11.801	-18.0	107	-0.02	5.63
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.563	0.602	-6.9	96	-0.02	6.12
14	m	1,1-DICHLOROETHYLENE	0.571	0.562	1.6	80	-0.02	6.41
15	m	CARBON DISULFIDE	1.839	1.827	0.7	84	-0.02	6.83
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	10.772	-7.7	101	0.00	5.18
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.547	0.550	-0.5	80	-0.01	5.37
18	m	METHYLENE CHLORIDE	0.705	0.564	20.0	87	-0.02	6.53
19	m	3-CHLOROPROPENE	0.558	0.587	-5.2	89	-0.02	6.64
20	m	FREON 113	1.301	1.263	2.9	81	-0.02	6.77
21	m	TRANS-1,2-DICHLOROETHYLEN	0.630	0.626	0.6	80	-0.02	7.44
22	m	TERTIARY BUTYL ALCOHOL	0.972	0.937	3.6	80	-0.02	6.50
23	m	METHYL TERTIARY BUTYL ETH	1.340	1.358	-1.3	84	-0.02	7.72
24	m	TETRAHYDROFURAN	0.365	0.481	-31.8#	105	-0.02	9.16
25	m	HEXANE	0.844	0.717	15.0	79	-0.02	8.62
26	m	VINYL ACETATE	0.876	0.836	4.6	84	-0.02	7.78
27	m	1,1-DICHLOROETHANE	1.163	1.124	3.4	85	-0.02	7.64
28	m	METHYL ETHYL KETONE	0.980	0.917	6.4	92	-0.02	8.05
29	m	cis-1,2-DICHLOROETHYLENE	0.701	0.716	-2.1	85	-0.02	8.45
30	m	ETHYL ACETATE	1.009	0.968	4.1	90	-0.01	8.68
31	m	CHLOROFORM	1.945	1.994	-2.5	88	-0.02	8.73
32	m	1,1,1-TRICHLOROETHANE	1.515	1.553	-2.5	87	-0.02	9.67
33	m	CARBON TETRACHLORIDE	1.890	1.995	-5.6	88	-0.01	10.25
34	m	1,2-DICHLOROETHANE	0.767	0.839	-9.4	92	-0.02	9.44

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ516-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9973.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	84	-0.01	10.43
36	m	BENZENE	0.448	0.498	-11.2	94	-0.02	10.11
37	m	CYCLOHEXANE	0.196	0.234	-19.4	91	-0.01	10.36
38	m	TRICHLOROETHYLENE	0.242	0.306	-26.4	98	-0.01	11.11
39	m	1,2-DICHLOROPROPANE	0.165	0.198	-20.0	107	-0.02	10.89
40	m	BROMODICHLOROMETHANE	0.515	0.573	-11.3	100	-0.01	11.08
41	m	2,2,4-TRIMETHYLPENTANE	0.816	1.022	-25.2	101	-0.01	11.11
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	9.860	1.4	98	-0.01	11.16
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.259	0.353	-36.3#	110	-0.01	11.35
		----------	True	Calc.	% Drift	----------		
44	m	METHYL ISOBUTYL KETONE	10.000	11.627	-16.3	112	-0.01	11.98
45	m	cis-1,3-DICHLOROPROPENE	10.000	10.318	-3.2	98	0.00	11.93
46	m	TOLUENE	10.000	9.852	1.5	103	0.00	12.88
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.940	0.6	99	0.00	12.44
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.173	0.210	-21.4	105	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	81	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	11.096	-11.0	109	0.00	13.15
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.257	0.302	-17.5	92	-0.01	14.01
52	m	DIBROMOCHLOROMETHANE	0.567	0.658	-16.0	100	0.00	13.32
		----------	True	Calc.	% Drift	----------		
53	m	1,2-DIBROMOETHANE	10.000	9.928	0.7	102	0.00	13.57
		----------	AvgRF	CCRF	% Dev	----------		
54	m	CHLOROBENZENE	0.429	0.639	-49.0#	102	0.00	14.71
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	11.631	-16.3	104	0.00	15.09
56	m	m,p-XYLENE	20.000	22.789	-13.9	103	0.00	15.28
57	m	o-XYLENE	10.000	11.134	-11.3	103	0.00	15.79
58	m	STYRENE	10.000	11.123	-11.2	99	0.00	15.67
59	m	NONANE	10.000	12.382	-23.8	117	0.00	15.97
60	m	BROMOFORM	10.000	10.618	-6.2	97	0.00	15.40
		----------	AvgRF	CCRF	% Dev	----------		
61	S	4-BROMOFLUOROBENZENE	0.524	0.601	-14.7	74	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.602	0.806	-33.9#	108	0.00	15.79
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	11.327	-13.3	104	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	11.441	-14.4	105	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	10.916	-9.2	101	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	10.929	-9.3	102	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	10.796	-8.0	100	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	10.810	-8.1	99	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	10.255	-2.6	93	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	10.515	-5.2	95	0.00	17.98

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ516-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9973.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

71 m	o-DICHLOROBENZENE	10.000	10.699	-7.0	99	0.00	18.37
72 m	HEXACHLOROBUTADIENE	10.000	10.071	-0.7	94	0.00	20.77
73 m	1,2,4-TRICHLOROBENZENE	10.000	9.576	4.2	88	0.00	20.28
	----------	AvgRF	CCRF	% Dev	----------		
74 m	NAPHTHALENE	0.000	0.000	0.0	0#	0.00	20.40

(5.7 %) 4 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J9928.D J040507T.M Wed Apr 11 09:01:35 2007

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ517-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9999.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

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

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

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

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

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ517-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9999.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ517-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J9999.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

		AvgRF	CCRF	% Dev
74 m	NAPHTHALENE			NA

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

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

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ518-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10018.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13373, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	77	-0.04	8.59
2	m	DICHLORODIFLUOROMETHANE	2.268	2.542	-12.1	88	0.00	4.06
3	m	PROPYLENE	0.358	0.416	-16.2	89	0.00	3.99
4	m	FREON 114	1.913	1.907	0.3	81	-0.01	4.32
5	m	CHLOROMETHANE	0.512	0.504	1.6	84	0.00	4.23
6	m	VINYL CHLORIDE	0.535	0.497	7.1	73	0.00	4.44
7	m	1,3-BUTADIENE	0.442	0.521	-17.9	85	-0.01	4.57
8	m	BROMOMETHANE	0.594	0.535	9.9	72	-0.01	4.85
9	m	CHLOROETHANE	0.247	0.225	8.9	77	-0.02	5.01
10	m	TRICHLOROFLUOROMETHANE	2.455	2.736	-11.4	87	-0.02	5.77
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	7.882	21.2	69	-0.03	5.89
12	m	ACETONE	10.000	10.534	-5.3	90	-0.02	5.63
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.563	0.417	25.9	62	-0.03	6.12
14	m	1,1-DICHLOROETHYLENE	0.571	0.486	14.9	65	-0.03	6.40
15	m	CARBON DISULFIDE	1.839	1.360	26.0	59	-0.03	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	8.305	17.0	74	-0.02	5.17
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.547	0.508	7.1	69	-0.02	5.37
18	m	METHYLENE CHLORIDE	0.705	0.447	36.6#	64	-0.03	6.53
19	m	3-CHLOROPROPENE	0.558	0.566	-1.4	80	-0.03	6.63
20	m	FREON 113	1.301	1.261	3.1	75	-0.04	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.630	0.525	16.7	63	-0.03	7.43
22	m	TERTIARY BUTYL ALCOHOL	0.972	0.781	19.7	63	-0.03	6.49
23	m	METHYL TERTIARY BUTYL ETH	1.340	1.159	13.5	67	-0.03	7.70
24	m	TETRAHYDROFURAN	0.365	0.402	-10.1	83	-0.03	9.15
25	m	HEXANE	0.844	0.626	25.8	65	-0.04	8.60
26	m	VINYL ACETATE	0.876	0.716	18.3	67	-0.03	7.77
27	m	1,1-DICHLOROETHANE	1.163	0.910	21.8	64	-0.04	7.62
28	m	METHYL ETHYL KETONE	0.980	0.697	28.9	65	-0.04	8.04
29	m	cis-1,2-DICHLOROETHYLENE	0.701	0.637	9.1	71	-0.04	8.43
30	m	ETHYL ACETATE	1.009	0.857	15.1	74	-0.03	8.66
31	m	CHLOROFORM	1.945	2.081	-7.0	86	-0.03	8.72
32	m	1,1,1-TRICHLOROETHANE	1.515	1.762	-16.3	92	-0.03	9.66
33	m	CARBON TETRACHLORIDE	1.890	2.390	-26.5	99	-0.03	10.23
34	m	1,2-DICHLOROETHANE	0.767	0.891	-16.2	91	-0.03	9.43

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ518-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10018.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	72	-0.03	10.42
36	m	BENZENE	0.448	0.483	-7.8	78	-0.03	10.10
37	m	CYCLOHEXANE	0.196	0.229	-16.8	76	-0.02	10.35
38	m	TRICHLOROETHYLENE	0.242	0.294	-21.5	81	-0.02	11.10
39	m	1,2-DICHLOROPROPANE	0.165	0.172	-4.2	79	-0.02	10.88
40	m	BROMODICHLOROMETHANE	0.515	0.637	-23.7	95	-0.02	11.07
41	m	2,2,4-TRIMETHYLPENTANE	0.816	0.818	-0.2	69	-0.03	11.10
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	9.362	6.4	79	-0.02	11.15
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.259	0.320	-23.6	85	-0.02	11.34
		----------	True	Calc.	% Drift	----------		
44	m	METHYL ISOBUTYL KETONE	10.000	11.427	-14.3	94	-0.02	11.97
45	m	cis-1,3-DICHLOROPROPENE	10.000	9.264	7.4	75	-0.02	11.92
46	m	TOLUENE	10.000	8.933	10.7	78	-0.01	12.88
47	m	trans-1,3-DICHLOROPROPENE	10.000	11.060	-10.6	95	-0.02	12.43
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.173	0.193	-11.6	83	-0.02	12.61
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	72	-0.01	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	11.462	-14.6	99	-0.01	13.15
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.257	0.279	-8.6	75	-0.01	14.01
52	m	DIBROMOCHLOROMETHANE	0.567	0.703	-24.0	94	-0.02	13.31
		----------	True	Calc.	% Drift	----------		
53	m	1,2-DIBROMOETHANE	10.000	9.199	8.0	82	-0.02	13.56
		----------	AvgRF	CCRF	% Dev	----------		
54	m	CHLOROBENZENE	0.429	0.586	-36.6#	82	-0.01	14.71
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	10.558	-5.6	82	0.00	15.09
56	m	m,p-XYLENE	20.000	19.925	0.4	77	0.00	15.28
57	m	o-XYLENE	10.000	9.466	5.3	74	0.00	15.78
58	m	STYRENE	10.000	9.941	0.6	76	0.00	15.67
59	m	NONANE	10.000	9.586	4.1	78	0.00	15.97
60	m	BROMOFORM	10.000	10.548	-5.5	85	0.00	15.39
		----------	AvgRF	CCRF	% Dev	----------		
61	S	4-BROMOFLUOROBENZENE	0.524	0.647	-23.5	70	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.602	0.626	-4.0	74	0.00	15.79
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	10.187	-1.9	81	0.00	16.42
64	m	2-CHLOROTOLUENE	10.000	10.109	-1.1	80	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	10.715	-7.1	87	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	10.355	-3.6	84	0.00	17.25
67	m	1,2,4-TRIMETHYLBENZENE	10.000	10.089	-0.9	81	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	9.576	4.2	74	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	11.136	-11.4	91	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	9.420	5.8	72	0.00	17.98

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSJ518-CC513
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10018.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

71 m	o-DICHLOROBENZENE	10.000	9.440	5.6	73	0.00	18.37
72 m	HEXACHLOROBUTADIENE	10.000	11.325	-13.2	97	0.00	20.76
73 m	1,2,4-TRICHLOROBENZENE	10.000	11.378	-13.8	98	0.00	20.28

		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
J9928.D J040507T.M Fri Apr 13 10:54:41 2007

Initial Calibration Summary

Job Number: M64501 **Sample:** MSQ180-ICC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3335.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3339.D .5 =Q3338.D 2 =Q3337.D
5 =Q3336.D 10 =Q3335.D 20 =Q3334.D 40 =Q3333.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM		4.348	3.151	4.055	3.751	5.409	4.004	4.120	18.18
3)m PROPYLENE		0.790	0.672	0.873	0.659	0.953	0.727	0.779	14.94
4)m FREON 114		3.562	2.806	3.345	3.452	4.303	3.546	3.502	13.74
5)m CHLOROMETHANE		0.903	0.760	0.887	0.898	0.994	0.848	0.882	8.69
6)m VINYL CHLORIDE	1.433	1.020	0.787	0.883	0.944	1.086	0.942	1.014	20.53
7)m 1,3-BUTADIENE		1.042	0.781	0.842	0.992	1.110	1.019	0.964	13.10
8)m BROMOMETHANE		0.903	0.840	0.955	1.013	1.206	1.066	0.997	12.98
9)m CHLOROETHANE	0.342	0.347	0.315	0.301	0.373	0.413	0.412	0.357	12.34
10)m TRICHLOROFLUOROME		5.572	3.406	4.134	4.576	4.909	5.357	4.659	17.26
11)m ISOPROPYL ALCOHOL		2.477	1.362	1.338	1.469	1.490	1.930	1.678	26.62
12)m ACETONE	4.524	3.060	1.654	1.413	1.570	1.634	1.870	2.247	50.98
----- Linear regression (equal Weighting)----- Coefficient = 0.9944									
Response Ratio = -0.10407 + 1.84391 *A									
13)m PENTANE		1.368	0.829	0.847	0.899	0.878	1.124	0.991	21.56
14)m 1,1-DICHLOROETHYL	1.728	1.052	0.740	0.738	0.852	0.870	1.090	1.010	34.19
----- Quadratic regression ----- Coefficient = 0.9997									
Response Ratio = 0.02146 + 0.66992 *A + 0.10339 *A^2									
15)m CARBON DISULFIDE		2.949	2.225	2.571	2.530	2.452	3.043	2.628	11.81
16)m ETHANOL	0.612	0.486	0.272	0.244	0.263	0.271	0.291	0.348	40.85
----- Linear regression (equal Weighting)----- Coefficient = 0.9980									
Response Ratio = -0.00863 + 0.28880 *A									
17)m BROMOETHENE	1.650	1.072	0.829	0.910	0.970	1.085	1.112	1.090	24.56
18)m METHYLENE CHLORID		1.630	1.509	1.295	1.516	1.583		1.506	8.52
19)m 3-CHLOROPROPENE		0.925	0.765	0.945	1.107	1.211	1.509	1.077	24.32
20)m FREON 113		2.170	1.403	1.633	1.912	2.123	2.611	1.975	21.63
21)m TRANS-1,2-DICHLOR	1.306	0.819	0.706	0.740	0.854	0.795	0.940	0.880	23.05
22)m TERTIARY BUTYL AL	2.593	1.919	1.244	1.519	1.813	1.726	2.390	1.886	24.98
23)m METHYL TERTIARY B	1.775	1.800	1.635	1.739	1.957	1.813	2.178	1.842	9.57
24)m TETRAHYDROFURAN	0.572	0.693	0.682	0.696	0.706	0.783	0.962	0.728	16.53
25)m HEXANE	2.074	1.286	1.241	1.324	1.329	1.385	1.419	1.437	19.99
26)m VINYL ACETATE	1.656	1.558	1.583	1.572	1.784	1.903	2.316	1.767	15.46
27)m 1,1-DICHLOROETHAN	2.257	1.768	1.383	1.354	1.597	1.555	1.858	1.682	18.64
28)m METHYL ETHYL KETO	1.924	1.726	1.388	1.338	1.457	1.592	1.924	1.621	15.03
29)m cis-1,2-DICHLOROE	0.946	0.787	0.674	0.696	0.793	0.775	0.958	0.804	13.78
30)m ETHYL ACETATE	3.578	2.817	2.540	2.472	2.663	2.875	3.469	2.916	15.06
31)m CHLOROFORM	3.252	2.493	1.911	1.880	2.032	2.253	2.825	2.378	21.57
32)m 1,1,1-TRICHLOROET	3.354	2.588	2.059	1.833	2.061	2.463	3.165	2.503	23.13
33)m CARBON TETRACHLOR	3.965	3.191	2.379	2.203	2.503	2.955	3.925	3.017	23.80
34)m 1,2-DICHLOROETHAN	1.767	1.531	1.295	1.068	1.136	1.438	1.776	1.430	19.77
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.629	0.483	0.399	0.378	0.422	0.420	0.537	0.467	19.20

Initial Calibration Summary

Job Number: M64501 **Sample:** MSQ180-ICC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3335.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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37)m CYCLOHEXANE       0.171 0.189 0.166 0.189 0.195 0.181 0.210 0.186   8.11
38)m TRICHLOROETHYLENE 0.350 0.289 0.225 0.225 0.249 0.247 0.357 0.277  20.26
39)m 1,2-DICHLOROPROPA 0.188 0.173 0.148 0.153 0.164 0.144 0.198 0.167  12.43
40)m BROMODICHLOROMETH 0.534 0.481 0.380 0.371 0.415 0.426 0.620 0.461  19.63
41)m 2,2,4-TRIMETHYLPE 0.804 0.779 0.640 0.662 0.754 0.744 1.000 0.769  15.37
42)m 1,4-DIOXANE             0.086 0.073 0.081 0.087 0.077 0.105 0.085  13.19
43)m HEPTANE           0.270 0.264 0.243 0.258 0.295 0.305 0.414 0.293  19.65
44)m METHYL ISOBUTYL K 0.331 0.350 0.344 0.345 0.392 0.409 0.551 0.389  19.77
45)m cis-1,3-DICHLOROP 0.278 0.218 0.222 0.215 0.244 0.247 0.353 0.254  19.20
46)m TOLUENE           0.312 0.258 0.263 0.251 0.292 0.280 0.380 0.291  15.38
47)m trans-1,3-DICHLOR 0.143 0.115 0.165 0.151 0.187 0.190       0.159  17.82
48)m 1,1,2-TRICHLOROET 0.223 0.176 0.160 0.150 0.172 0.161       0.174  14.82

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.283 0.265 0.326 0.332 0.375 0.389 0.563 0.362  27.38
51)m TETRACHLOROETHYLE 0.326 0.289 0.232 0.228 0.261 0.250       0.264  14.15
52)m DIBROMOCHLOROMETH 0.539 0.457 0.469 0.434 0.480 0.526 0.764 0.524  21.39
53)m 1,2-DIBROMOETHANE 0.401 0.364 0.346 0.334 0.357 0.351 0.495 0.378  14.68
54)m CHLOROBENZENE     0.610 0.531 0.478 0.464 0.473 0.464 0.610 0.518  12.85
55)m ETHYLBENZENE      0.741 0.723 0.736 0.726 0.778 0.754 1.085 0.792  16.51
56)m m,p-XYLENE        0.271 0.266 0.300 0.300 0.300 0.281 0.418 0.305  17.01
57)m o-XYLENE          0.247 0.260 0.298 0.304 0.306 0.277 0.433 0.304  20.19
58)m STYRENE           0.182 0.234 0.337 0.353 0.382 0.365       0.309  26.29
59)m NONANE            0.386 0.420 0.458 0.474 0.488 0.509 0.707 0.492  21.07
60)m BROMOFORM         0.352 0.342 0.350 0.338 0.390 0.407       0.363   7.78
61)S 4-BROMOFLUOROBENZ 0.700 0.672 0.751 0.797 0.774 0.818 0.927 0.777  10.80
62)m 1,1,2,2-TETRACHLO 0.720 0.608 0.491 0.507 0.510 0.468 0.700 0.572  18.22
63)m ISOPROPYLBENZENE  0.803 0.827 0.844 0.828 0.843 0.825       0.828   1.80
64)m 2-CHLOROTOLUENE   0.622 0.592 0.619 0.576 0.624 0.687       0.620   6.13
65)m 4-ETHYLTOLUENE    0.451 0.532 0.669 0.613 0.686 0.779       0.622  18.85
66)m 1,3,5-TRIMETHYLBE 0.671 0.719 0.693 0.648 0.701 0.792       0.704   7.07
67)m 1,2,4-TRIMETHYLBE 0.493 0.603 0.602 0.593 0.652 0.734       0.613  12.88
68)m m-DICHLOROBENZENE 0.393 0.412 0.332 0.348 0.364 0.384       0.372   7.96
69)m BENZYL CHLORIDE   0.244 0.263 0.247 0.271 0.346 0.406       0.296  21.98
70)m p-DICHLOROBENZENE 0.316 0.347 0.305 0.334 0.300 0.340       0.324   6.01
71)m o-DICHLOROBENZENE 0.547 0.521 0.331 0.353 0.358 0.368       0.413  22.93
72)m HEXACHLOROBUTADIE       0.525 0.069 0.133 0.152 0.109 0.240 0.205  81.66
         ----- Quadratic regression -----  Coefficient =  0.9900
              Response Ratio = 0.03746 + -0.00266 *A + 0.05791 *A^2

73)m 1,2,4-TRICHLOROBE 0.201 0.149 0.033 0.064 0.073 0.063 0.159 0.106  59.30
         ----- Quadratic regression -----  Coefficient =  0.9931
              Response Ratio = 0.01428 + -0.01488 *A + 0.04232 *A^2

74)m NAPHTHALENE                                                0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range

          Q050307T.m        Fri May 04 15:11:57 2007   RPT1
```

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSQ181-CC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3341.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3341.D Vial: 3
Acq On : 4 May 2007 3:31 pm Operator: PhilipB
Sample : CC180-10 (M148) Inst : MAMSQ
Misc : MS13500,MSQ181,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri May 04 15:09:53 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	108	0.00	8.44- 8.85
2	m	DICHLORODIFLUOROMETHAN	4.120	3.612	12.3	104	0.00	3.83- 4.24
3	m	PROPYLENE	0.779	0.715	8.2	117	0.00	3.76- 4.17
4	m	FREON 114	3.502	3.066	12.5	96	0.00	4.09- 4.51
5	m	CHLOROMETHANE	0.882	0.786	10.9	95	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.014	0.842	17.0	97	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.964	0.900	6.6	98	0.00	4.36- 4.77
8	m	BROMOMETHANE	0.997	0.941	5.6	101	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.357	0.345	3.4	100	0.00	4.81- 5.22
10	m	TRICHLOROFLUOROMETHANE	4.659	4.380	6.0	104	0.00	5.59- 6.00
11	m	ISOPROPYL ALCOHOL	1.678	1.512	9.9	111	0.00	5.59- 6.07
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	9.107	8.9	109	0.00	5.40- 5.81
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.991	0.951	4.0	114	0.00	5.99- 6.30
		----------	True	Calc.	% Drift	----------		
14	m	1,1-DICHLOROETHYLENE	10.000	10.648	-6.5	108	0.00	6.23- 6.64
		----------	AvgRF	CCRF	% Dev	----------		
15	m	CARBON DISULFIDE	2.628	2.525	3.9	108	0.00	6.66- 7.07
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	9.520	4.8	110	0.00	4.86- 5.32
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	1.090	0.899	17.5	100	0.00	5.17- 5.58
18	m	METHYLENE CHLORIDE	1.506	1.605	-6.6	115	0.00	6.40- 6.70
19	m	3-CHLOROPROPENE	1.077	1.118	-3.8	109	0.00	6.46- 6.87
20	m	FREON 113	1.975	1.978	-0.2	112	0.00	6.60- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.880	0.829	5.8	105	0.00	7.27- 7.68
22	m	TERTIARY BUTYL ALCOHOL	1.886	1.776	5.8	106	0.00	6.18- 6.70
23	m	METHYL TERTIARY BUTYL	1.842	1.871	-1.6	104	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	0.728	0.621	14.7	95	0.00	9.00- 9.29
25	m	HEXANE	1.437	1.224	14.8	100	0.00	8.47- 8.88
26	m	VINYL ACETATE	1.767	1.748	1.1	106	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	1.682	1.591	5.4	108	0.00	7.47- 7.88
28	m	METHYL ETHYL KETONE	1.621	1.358	16.2	101	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.804	0.658	18.2	90	0.00	8.27- 8.69
30	m	ETHYL ACETATE	2.916	2.465	15.5	100	0.00	8.46- 8.88

Continuing Calibration Summary

Job Number: M64501 **Sample:** MSQ181-CC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3341.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.378	1.944	18.3	104	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	2.503	1.969	21.3	103	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.017	2.461	18.4	106	0.00	10.10-10.51
34	m	1,2-DICHLOROETHANE	1.430	1.080	24.5	103	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	10.27-10.68
36	m	BENZENE	0.467	0.372	20.3	94	0.00	9.95-10.37
37	m	CYCLOHEXANE	0.186	0.173	7.0	94	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.277	0.237	14.4	101	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.167	0.135	19.2	88	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.461	0.402	12.8	103	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.769	0.684	11.1	97	0.00	10.98-11.39
42	m	1,4-DIOXANE	0.085	0.077	9.4	94	0.00	10.88-11.41
43	m	HEPTANE	0.293	0.275	6.1	99	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.389	0.377	3.1	102	0.00	11.77-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.254	0.216	15.0	94	0.00	11.77-12.18
46	m	TOLUENE	0.291	0.257	11.7	94	0.00	12.73-13.14
47	m	trans-1,3-DICHLOROPROP	0.159	0.162	-1.9	92	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.174	0.148	14.9	91	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	105	0.00	14.57-14.88
50	m	2-HEXANONE	0.362	0.338	6.6	95	0.00	12.95-13.36
51	m	TETRACHLOROETHYLENE	0.264	0.228	13.6	92	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.524	0.444	15.3	97	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.378	0.304	19.6	89	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.518	0.419	19.1	93	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.792	0.682	13.9	92	0.00	14.97-15.33
56	m	m,p-XYLENE	0.305	0.270	11.5	95	-0.02	15.14-15.50
57	m	o-XYLENE	0.304	0.273	10.2	94	0.00	15.66-16.02
58	m	STYRENE	0.309	0.326	-5.5	90	0.00	15.57-15.88
59	m	NONANE	0.492	0.472	4.1	101	0.00	15.89-16.20
60	m	BROMOFORM	0.363	0.351	3.3	95	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.777	0.816	-5.0	111	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	0.572	0.454	20.6	94	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	0.828	0.785	5.2	98	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.620	0.594	4.2	100	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.622	0.655	-5.3	100	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.704	0.686	2.6	103	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.613	0.639	-4.2	103	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.372	0.341	8.3	98	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.296	0.309	-4.4	94	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.324	0.268	17.3	94	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.413	0.335	18.9	98	0.00	18.26-18.57
			---------- True	Calc.	% Drift	----------		
72	m	HEXACHLOROBUTADIENE	10.000	14.753	-47.5#	110	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.036	-30.4#	96	0.00	20.11-20.53
			---------- AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3335.D Q050307T.m Fri May 04 15:56:44 2007 RPT1

Initial Calibration Verification

Job Number: M64501 **Sample:** MSQ181-ICV180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3341A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3341A.D Vial: 3
Acq On : 4 May 2007 3:31 pm Operator: PhilipB
Sample : ICV180-10 (M148) Inst : MAMSQ
Misc : MS13500,MSQ181,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri May 04 15:09:53 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	108	0.00	8.44- 8.85
2	m	DICHLORODIFLUOROMETHAN	4.120	3.612	12.3	104	0.00	3.83- 4.24
3	m	PROPYLENE	0.779	0.715	8.2	117	0.00	3.76- 4.17
4	m	FREON 114	3.502	3.066	12.5	96	0.00	4.09- 4.51
5	m	CHLOROMETHANE	0.882	0.786	10.9	95	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.014	0.842	17.0	97	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.964	0.900	6.6	98	0.00	4.36- 4.77
8	m	BROMOMETHANE	0.997	0.941	5.6	101	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.357	0.345	3.4	100	0.00	4.81- 5.22
10	m	TRICHLOROFLUOROMETHANE	4.659	4.380	6.0	104	0.00	5.59- 6.00
11	m	ISOPROPYL ALCOHOL	1.678	1.512	9.9	111	0.00	5.59- 6.07
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	9.107	8.9	109	0.00	5.40- 5.81
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.991	0.951	4.0	114	0.00	5.99- 6.30
		----------	True	Calc.	% Drift	----------		
14	m	1,1-DICHLOROETHYLENE	10.000	10.648	-6.5	108	0.00	6.23- 6.64
		----------	AvgRF	CCRF	% Dev	----------		
15	m	CARBON DISULFIDE	2.628	2.525	3.9	108	0.00	6.66- 7.07
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	9.520	4.8	110	0.00	4.86- 5.32
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	1.090	0.899	17.5	100	0.00	5.17- 5.58
18	m	METHYLENE CHLORIDE	1.506	1.605	-6.6	115	0.00	6.40- 6.70
19	m	3-CHLOROPROPENE	1.077	1.118	-3.8	109	0.00	6.46- 6.87
20	m	FREON 113	1.975	1.978	-0.2	112	0.00	6.60- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.880	0.829	5.8	105	0.00	7.27- 7.68
22	m	TERTIARY BUTYL ALCOHOL	1.886	1.776	5.8	106	0.00	6.18- 6.70
23	m	METHYL TERTIARY BUTYL	1.842	1.871	-1.6	104	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	0.728	0.621	14.7	95	0.00	9.00- 9.29
25	m	HEXANE	1.437	1.224	14.8	100	0.00	8.47- 8.88
26	m	VINYL ACETATE	1.767	1.748	1.1	106	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	1.682	1.591	5.4	108	0.00	7.47- 7.88
28	m	METHYL ETHYL KETONE	1.621	1.358	16.2	101	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.804	0.658	18.2	90	0.00	8.27- 8.69
30	m	ETHYL ACETATE	2.916	2.465	15.5	100	0.00	8.46- 8.88

Initial Calibration Verification

Job Number: M64501 **Sample:** MSQ181-ICV180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3341A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.378	1.944	18.3	104	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	2.503	1.969	21.3	103	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.017	2.461	18.4	106	0.00	10.10-10.51
34	m	1,2-DICHLOROETHANE	1.430	1.080	24.5	103	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	10.27-10.68
36	m	BENZENE	0.467	0.372	20.3	94	0.00	9.95-10.37
37	m	CYCLOHEXANE	0.186	0.173	7.0	94	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.277	0.237	14.4	101	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.167	0.135	19.2	88	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.461	0.402	12.8	103	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.769	0.684	11.1	97	0.00	10.98-11.39
42	m	1,4-DIOXANE	0.085	0.077	9.4	94	0.00	10.88-11.41
43	m	HEPTANE	0.293	0.275	6.1	99	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.389	0.377	3.1	102	0.00	11.77-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.254	0.216	15.0	94	0.00	11.77-12.18
46	m	TOLUENE	0.291	0.257	11.7	94	0.00	12.73-13.14
47	m	trans-1,3-DICHLOROPROP	0.159	0.162	-1.9	92	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.174	0.148	14.9	91	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	105	0.00	14.57-14.88
50	m	2-HEXANONE	0.362	0.338	6.6	95	0.00	12.95-13.36
51	m	TETRACHLOROETHYLENE	0.264	0.228	13.6	92	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.524	0.444	15.3	97	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.378	0.304	19.6	89	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.518	0.419	19.1	93	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.792	0.682	13.9	92	0.00	14.97-15.33
56	m	m,p-XYLENE	0.305	0.270	11.5	94	-0.02	15.14-15.50
57	m	o-XYLENE	0.304	0.273	10.2	94	0.00	15.66-16.02
58	m	STYRENE	0.309	0.326	-5.5	90	0.00	15.57-15.88
59	m	NONANE	0.492	0.472	4.1	101	0.00	15.89-16.20
60	m	BROMOFORM	0.363	0.351	3.3	95	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.777	0.816	-5.0	111	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	0.572	0.454	20.6	94	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	0.828	0.785	5.2	98	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.620	0.594	4.2	100	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.622	0.655	-5.3	100	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.704	0.686	2.6	103	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.613	0.639	-4.2	103	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.372	0.341	8.3	98	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.296	0.309	-4.4	94	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.324	0.268	17.3	94	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.413	0.335	18.9	98	0.00	18.26-18.57
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	14.753	-47.5#	110	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.036	-30.4#	96	0.00	20.11-20.53
			AvgRF	CCRF	% Dev			
74	m	NAPHTHALENE		NA				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3335.D Q050307T.m Tue May 22 09:17:54 2007 RPT1

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/05/07 09:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3343.D
Acq On : 4 May 2007 5:32 pm
Operator : PhilipB
Sample : M64501-1
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:16:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.656	128	151343	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.479	114	679672	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	554986	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	187946	4.36	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 87.20%

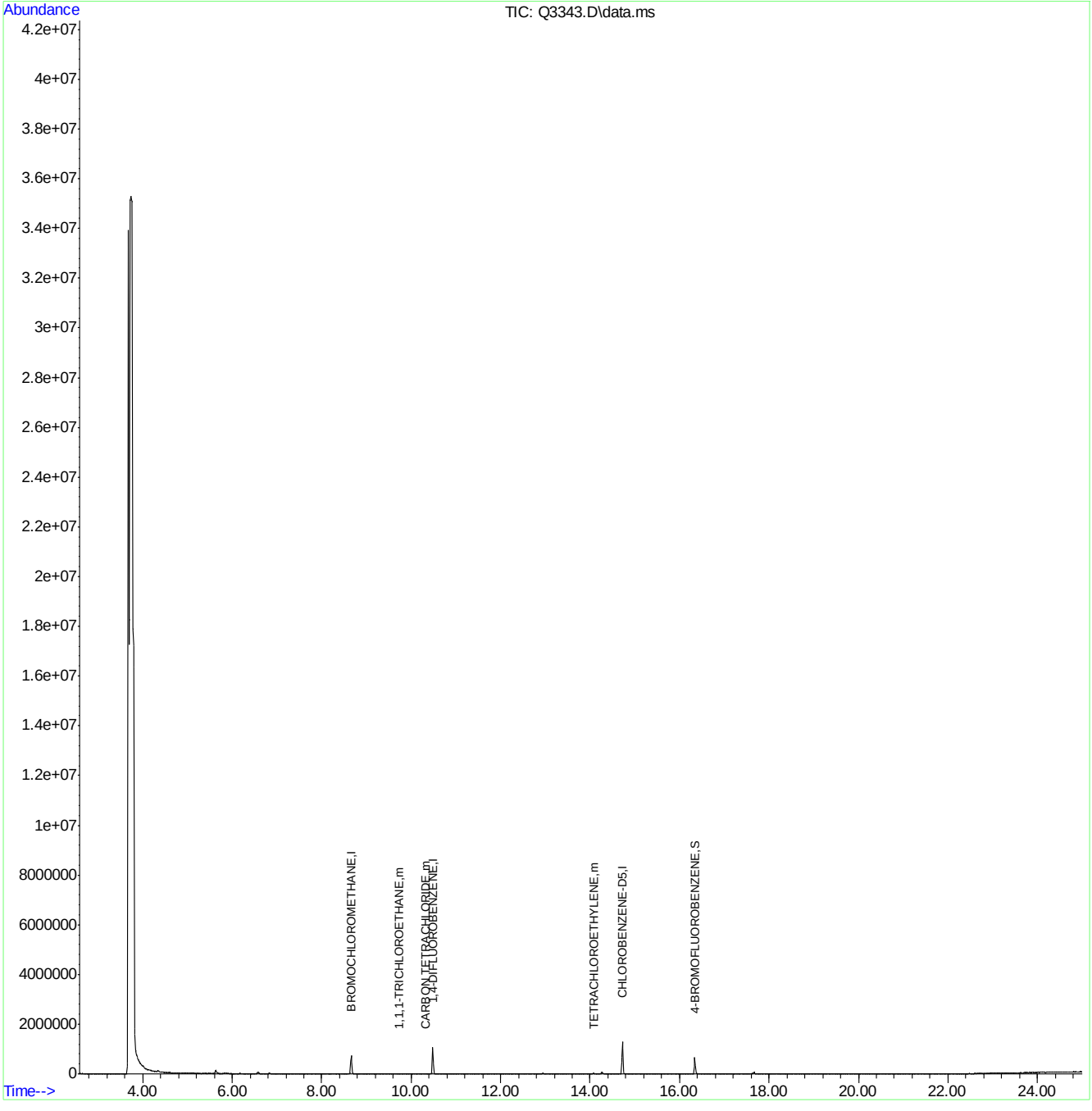
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.728	97	2639m	0.07	PPBV	
33) CARBON TETRACHLORIDE	10.319	117	5503m	0.12	PPBV	
51) TETRACHLOROETHYLENE	14.071	164	3834m	0.26	PPBV	

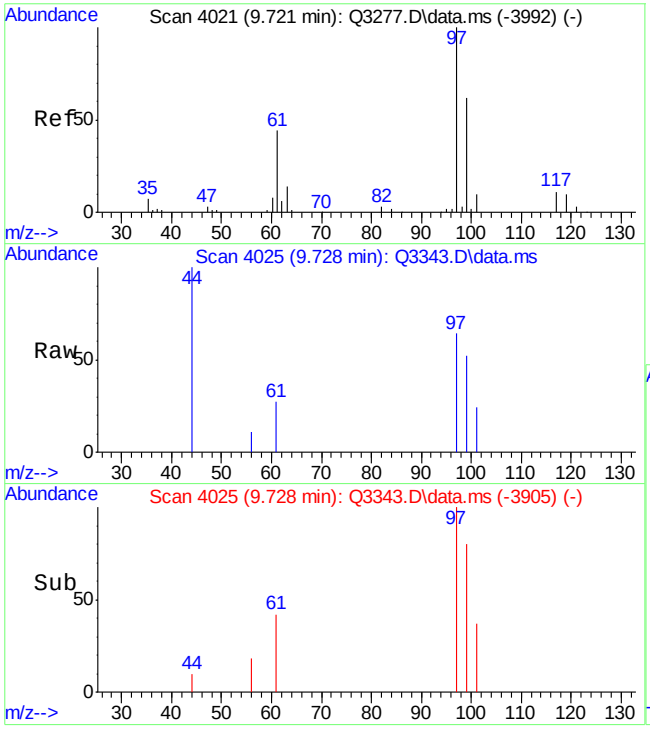
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3343.D
Acq On : 4 May 2007 5:32 pm
Operator : PhilipB
Sample : M64501-1
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:16:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

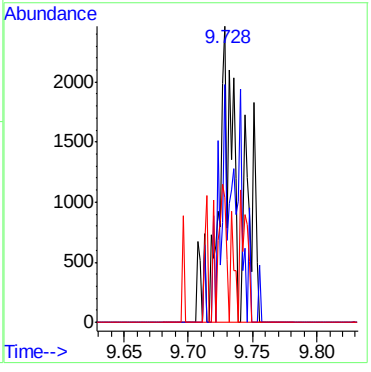


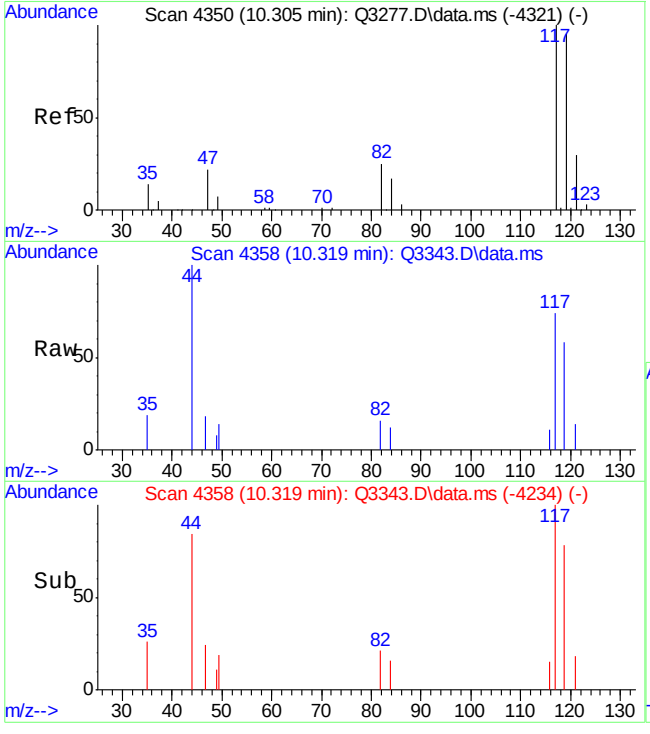


#32
1,1,1-TRICHLOROETHANE
Concen: 0.07 PPBV m
RT: 9.728 min Scan# 4025
Delta R.T. 0.007 min
Lab File: Q3343.D
Acq: 4 May 2007 5:32 pm

Tgt Ion: 97 Resp: 2639

Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.4	83.4
61	24.2	23.5	63.5

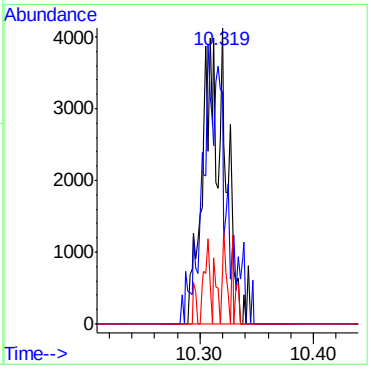


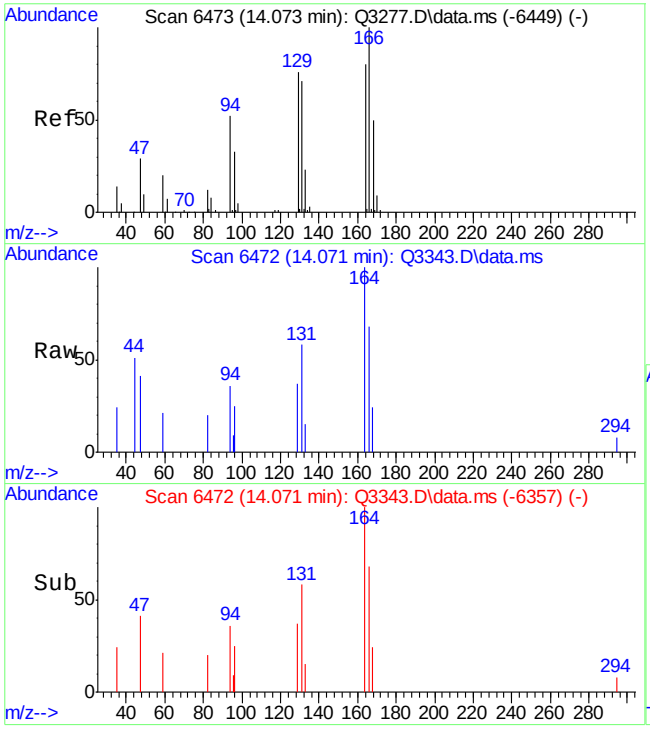


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV m
RT: 10.319 min Scan# 4358
Delta R.T. 0.014 min
Lab File: Q3343.D
Acq: 4 May 2007 5:32 pm

Tgt Ion:117 Resp: 5503

Ion	Ratio	Lower	Upper
117	100		
119	85.8	75.6	115.6
121	21.7	10.5	50.5

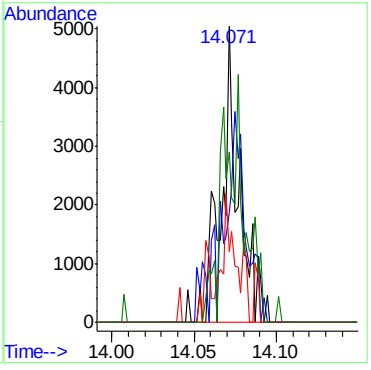




#51
TETRACHLOROETHYLENE
Concen: 0.26 PPBV m
RT: 14.071 min Scan# 6472
Delta R.T. -0.002 min
Lab File: Q3343.D
Acq: 4 May 2007 5:32 pm

Tgt Ion:164 Resp: 3834

Ion	Ratio	Lower	Upper
164	100		
129	90.2	77.6	117.6
168	49.7	41.2	81.2
131	95.7	72.6	112.6



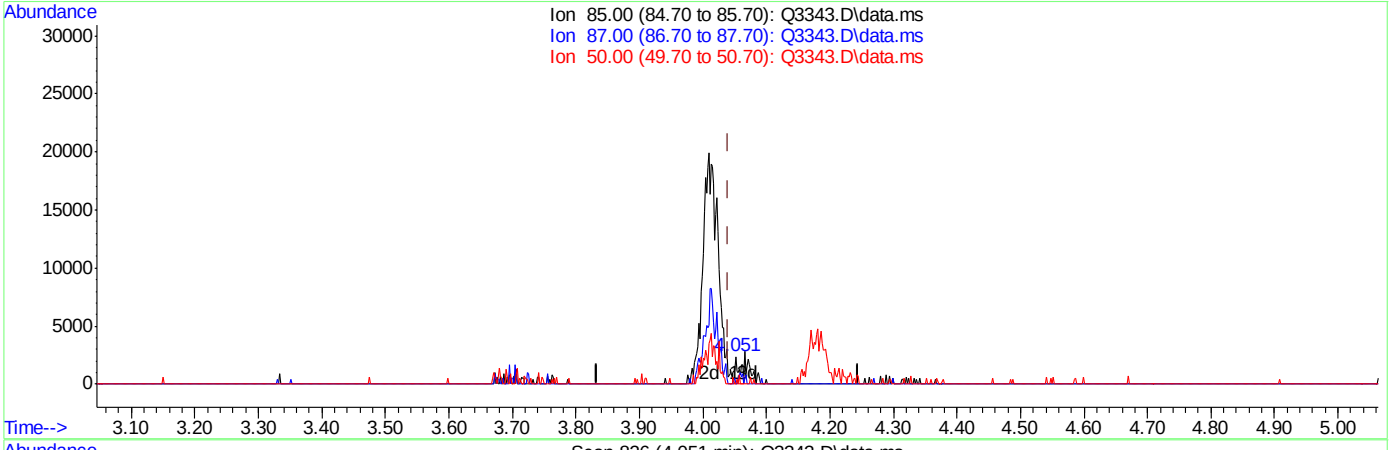
6.1.1

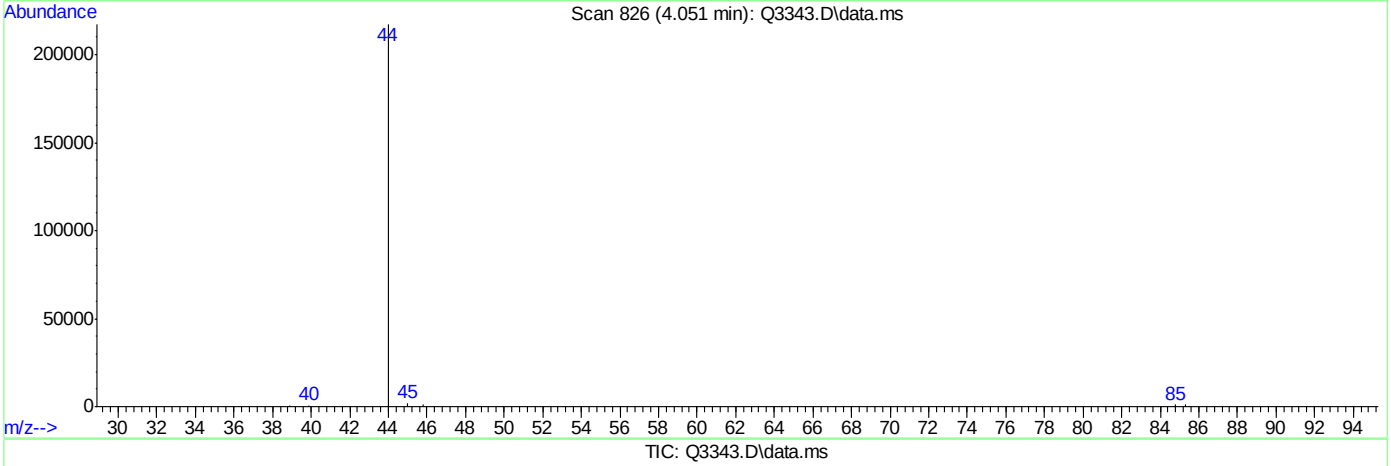
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3343.D
Acq On : 4 May 2007 5:32 pm
Operator : PhilipB
Sample : M64501-1
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:10:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





(2) DICHLORODIFLUOROMETHANE (m)

4.051min (+0.011) 0.02PPBV

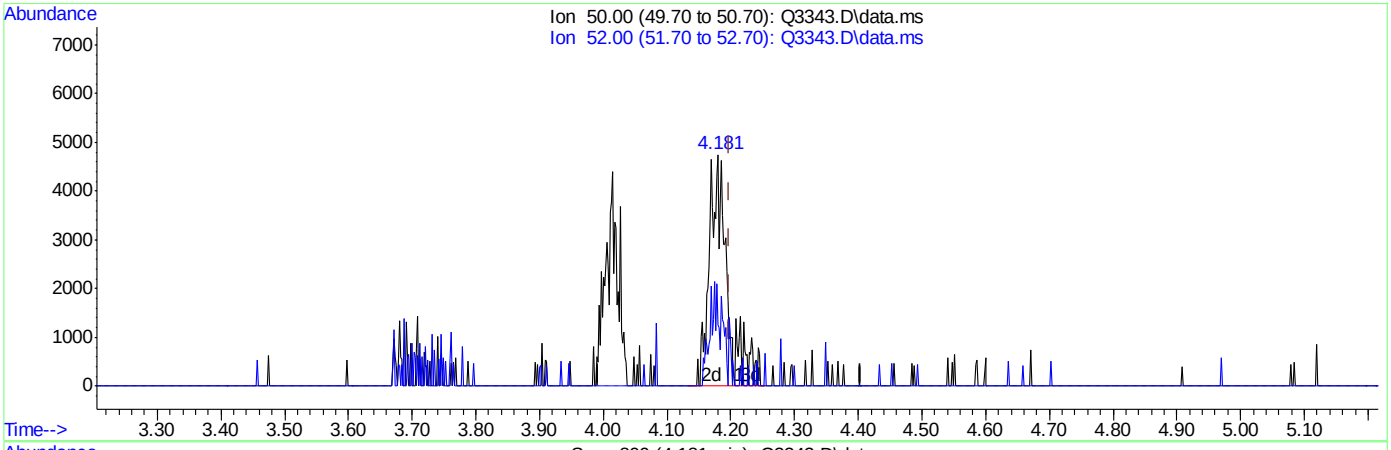
response 1369

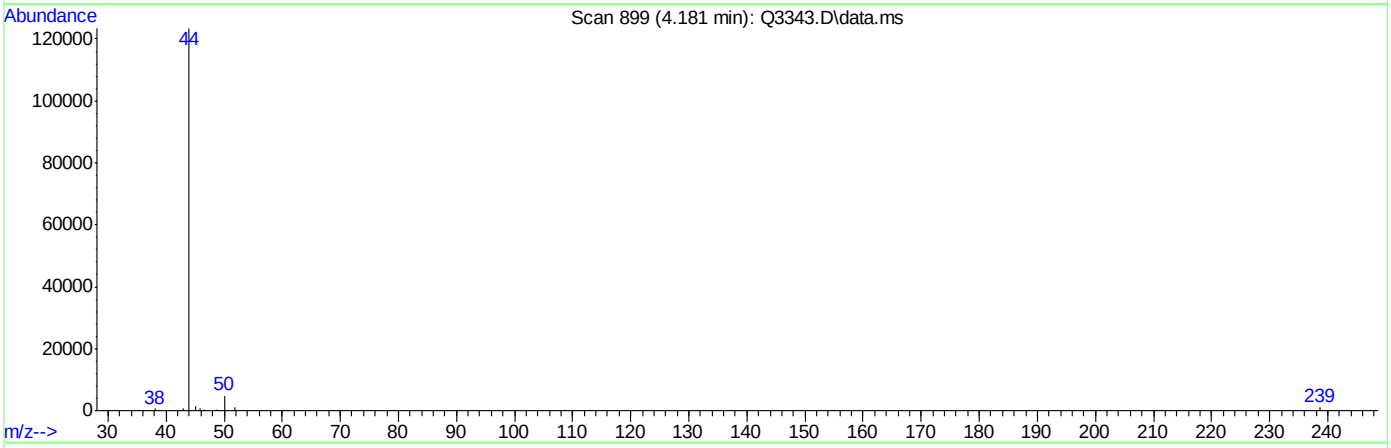
Ion	Exp%	Act%
85.00	100	100
87.00	32.80	33.67
50.00	11.60	14.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3343.D
Acq On : 4 May 2007 5:32 pm
Operator : PhilipB
Sample : M64501-1
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:10:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





(5) CHLOROMETHANE (m)

4.181min (-0.018) 0.70PPBV m

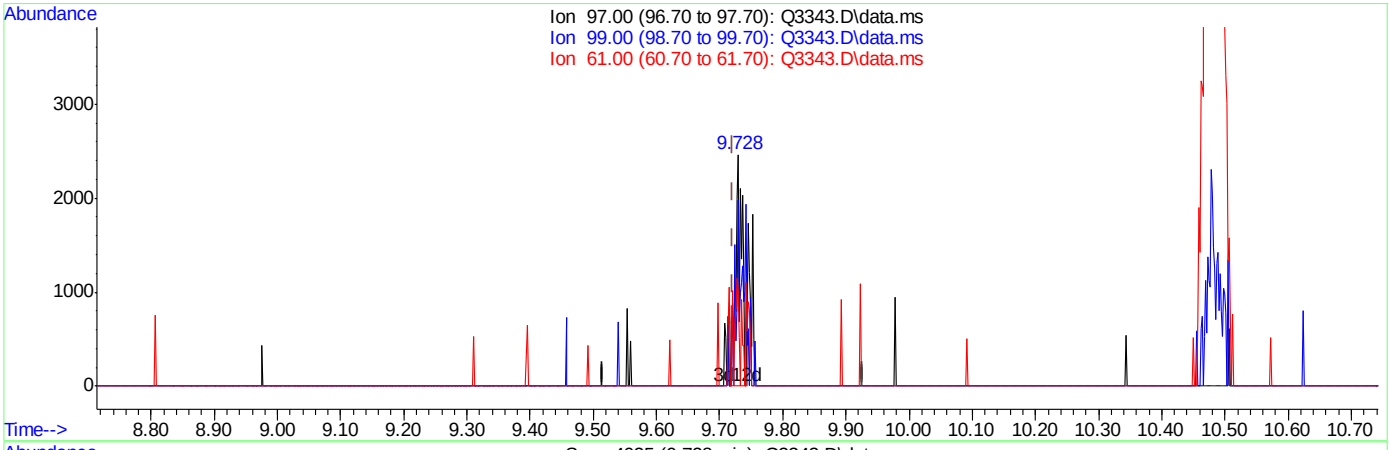
response 9404

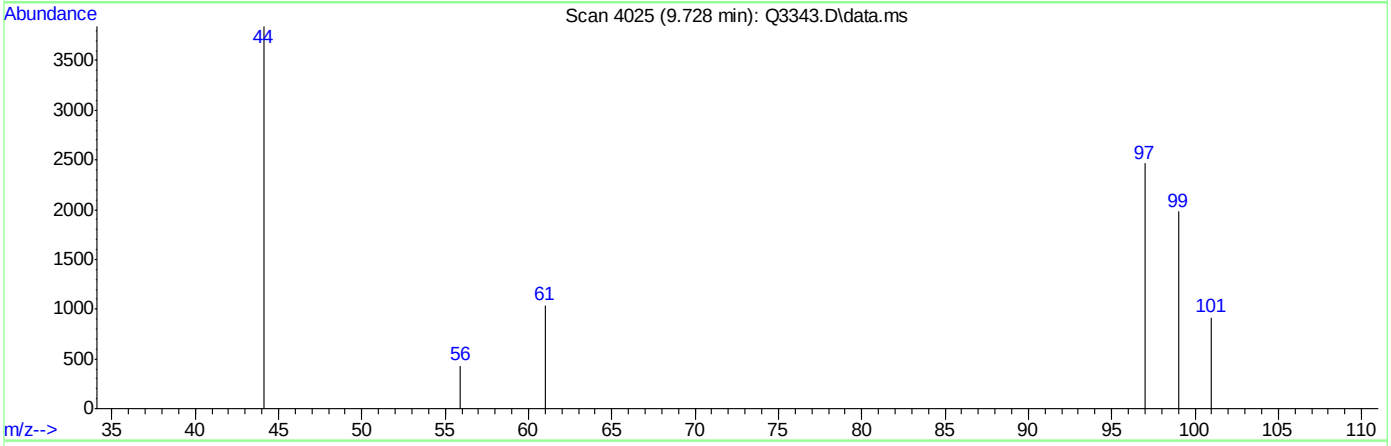
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	26.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3343.D
Acq On    :  4 May 2007   5:32 pm
Operator  : PhilipB
Sample    : M64501-1
Misc      : MS13500,MSQ181,,,,,1
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: May 04 18:10:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
```



TIC: Q3343.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.728min (+0.007) 0.05PPBV

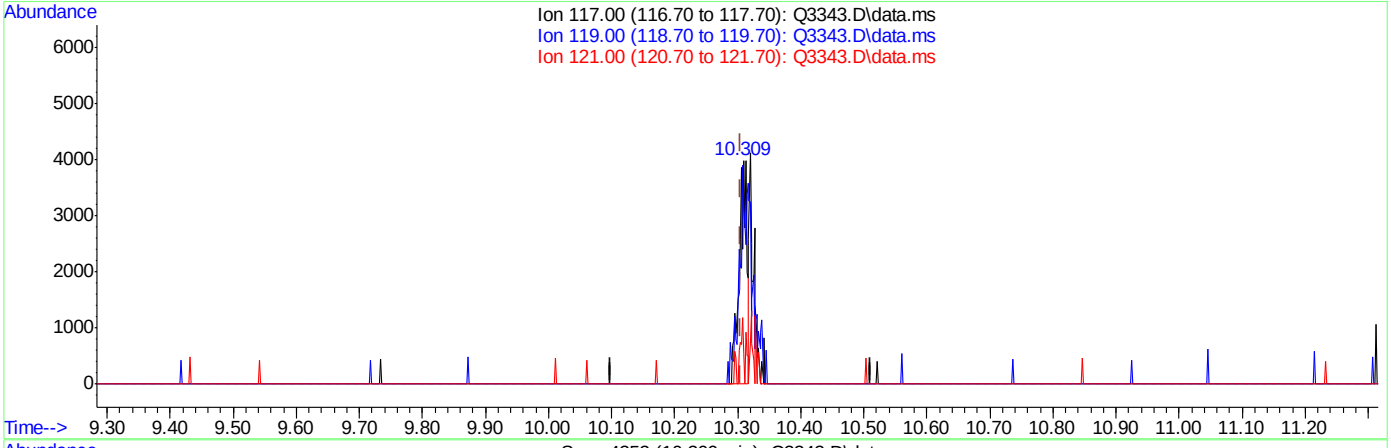
response 1734

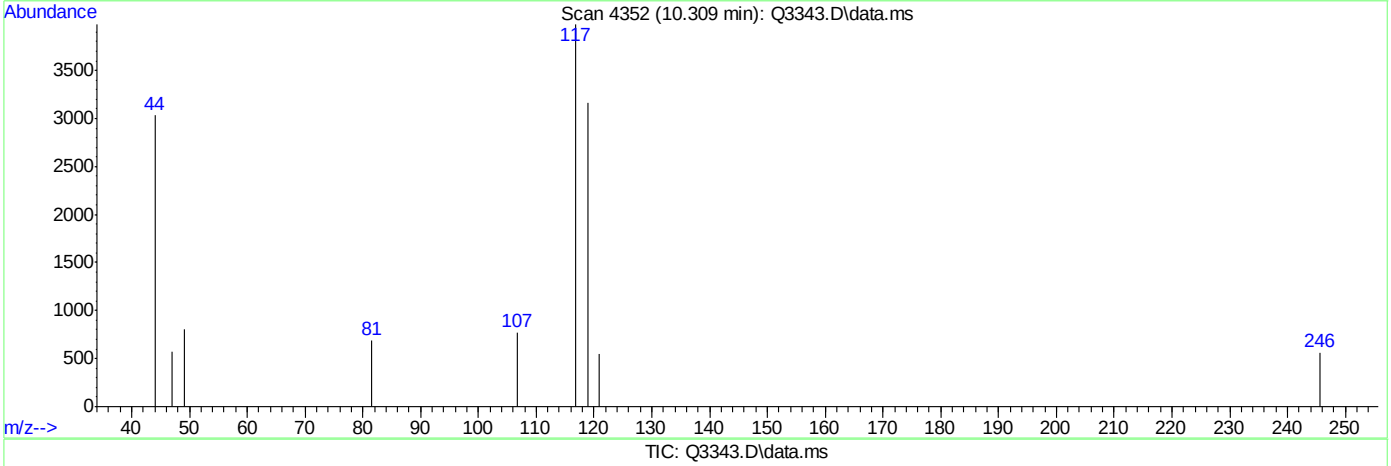
Ion	Exp%	Act%
97.00	100	100
99.00	63.40	95.73#
61.00	43.50	36.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3343.D
Acq On : 4 May 2007 5:32 pm
Operator : PhilipB
Sample : M64501-1
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:10:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3343.D\data.ms

(33) CARBON TETRACHLORIDE (m)

10.309min (+0.004) 0.07PPBV

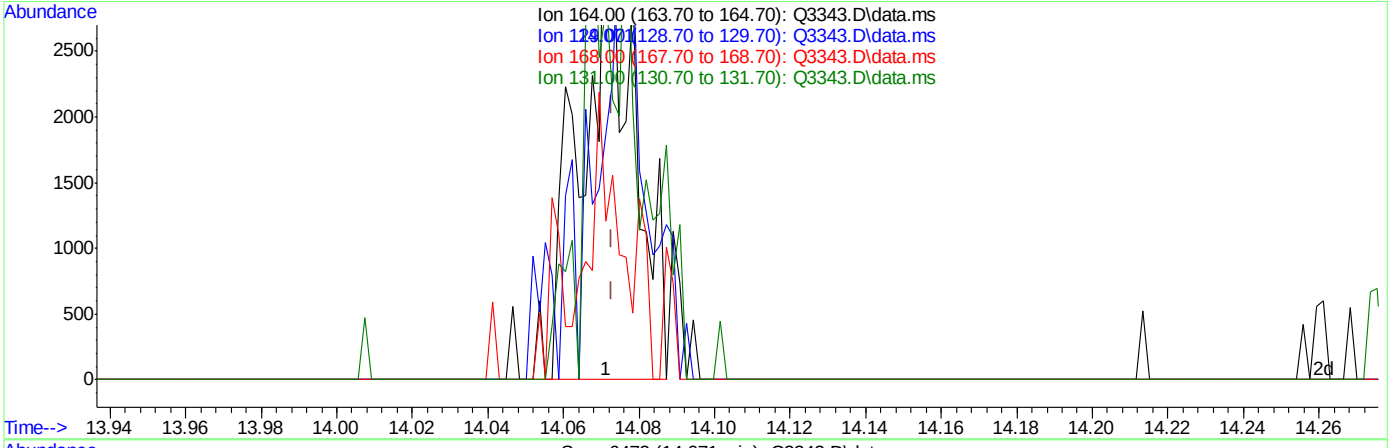
response 3345

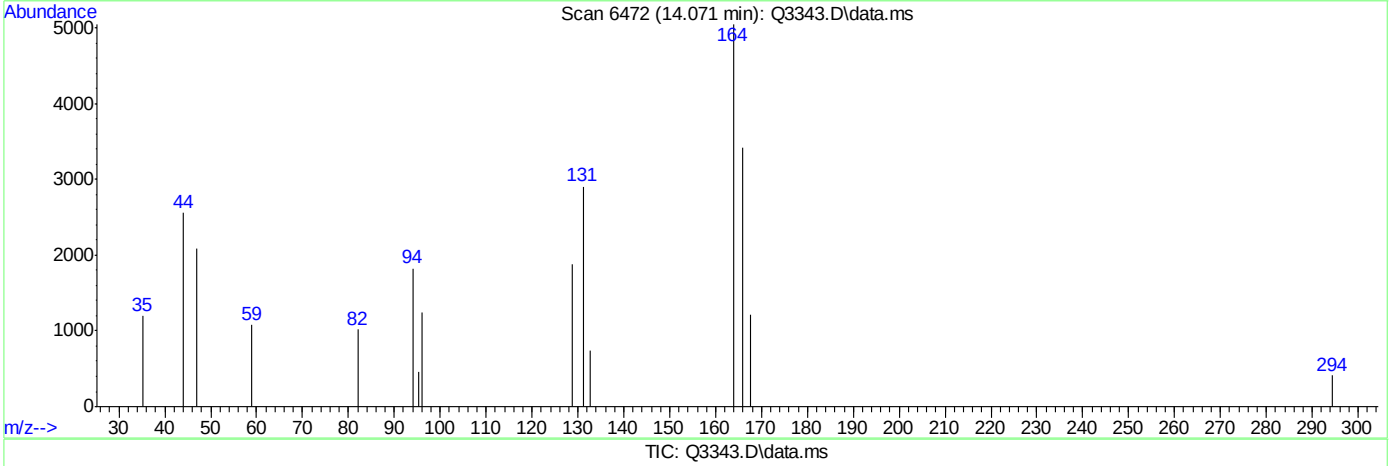
Ion	Exp%	Act%
117.00	100	100
119.00	95.60	141.11#
121.00	30.50	35.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3343.D
Acq On : 4 May 2007 5:32 pm
Operator : PhilipB
Sample : M64501-1
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:10:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3343.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.071min (-0.002) 0.24PPBV

response 3528

Ion	Exp%	Act%
164.00	100	100
129.00	97.60	98.07
168.00	61.20	54.00
131.00	92.60	104.02

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/05/07 09:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3345.D
Acq On : 4 May 2007 7:03 pm
Operator : PhilipB
Sample : M64501-2
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 04 19:33:14 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.649	128	150720	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.477	114	652233	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	523434	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	208415	5.12	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.40%

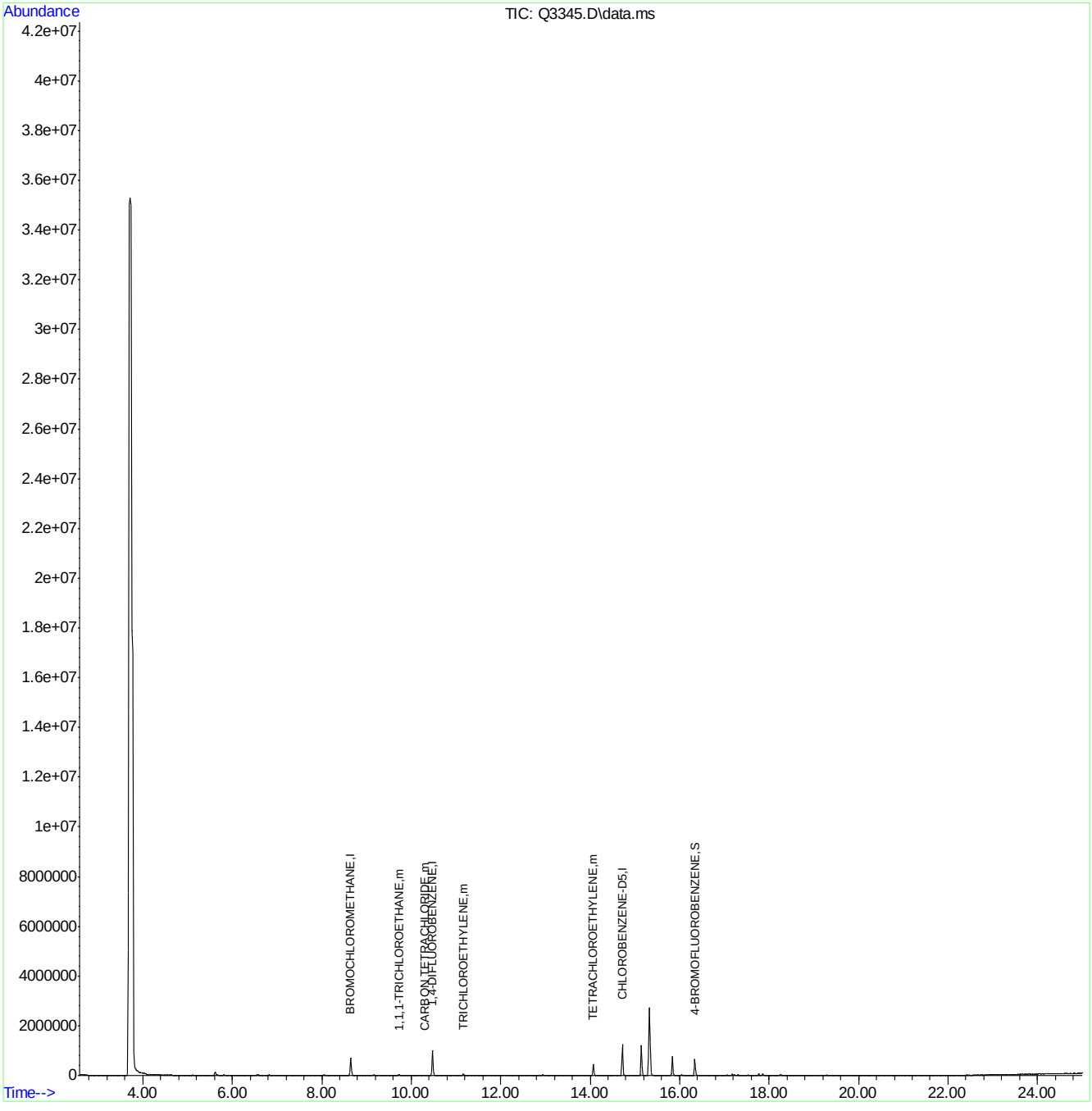
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.723	97	17997	0.48	PPBV	97
33) CARBON TETRACHLORIDE	10.309	117	5351m	0.12	PPBV	
38) TRICHLOROETHYLENE	11.157	95	13822	0.76	PPBV #	82
51) TETRACHLOROETHYLENE	14.077	164	66333	4.80	PPBV #	86

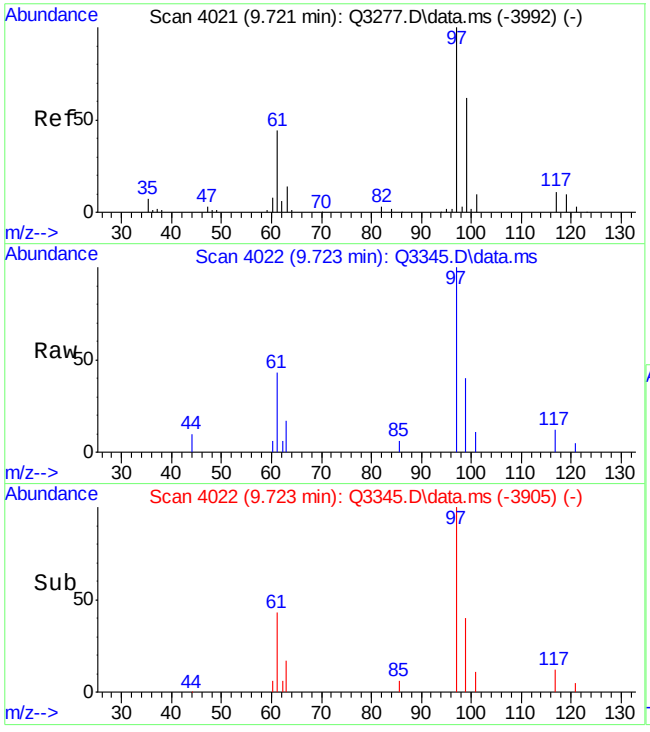
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3345.D
Acq On : 4 May 2007 7:03 pm
Operator : PhilipB
Sample : M64501-2
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 04 19:33:14 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

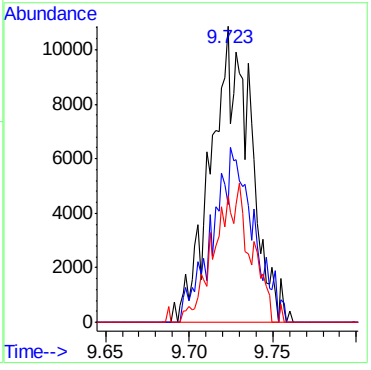


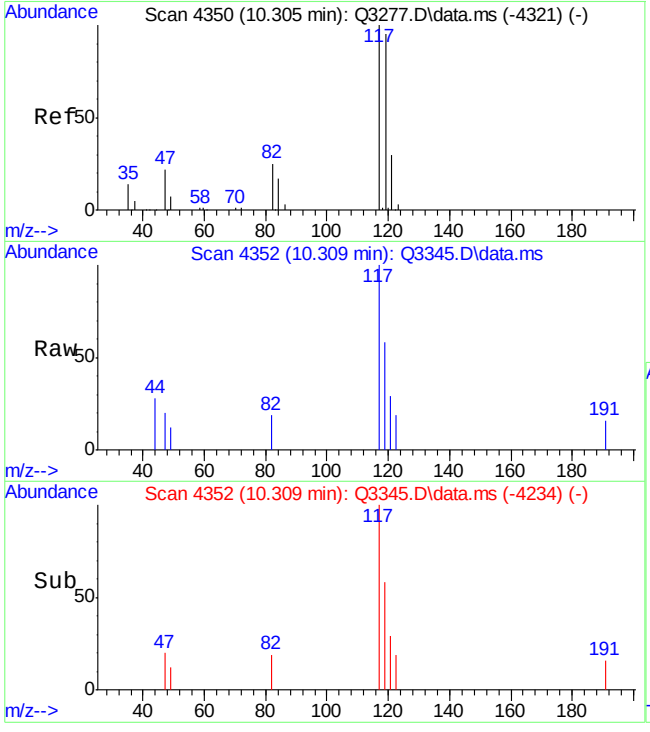


#32
1,1,1-TRICHLOROETHANE
Concen: 0.48 PPBV
RT: 9.723 min Scan# 4022
Delta R.T. 0.002 min
Lab File: Q3345.D
Acq: 4 May 2007 7:03 pm

Tgt Ion: 97 Resp: 17997

Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.4	83.4
61	42.7	23.5	63.5

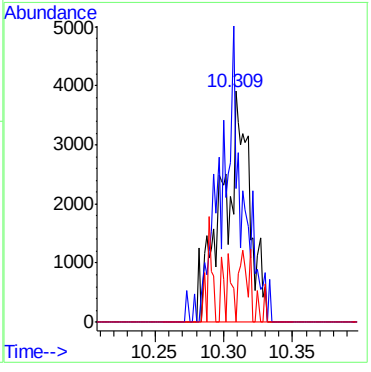


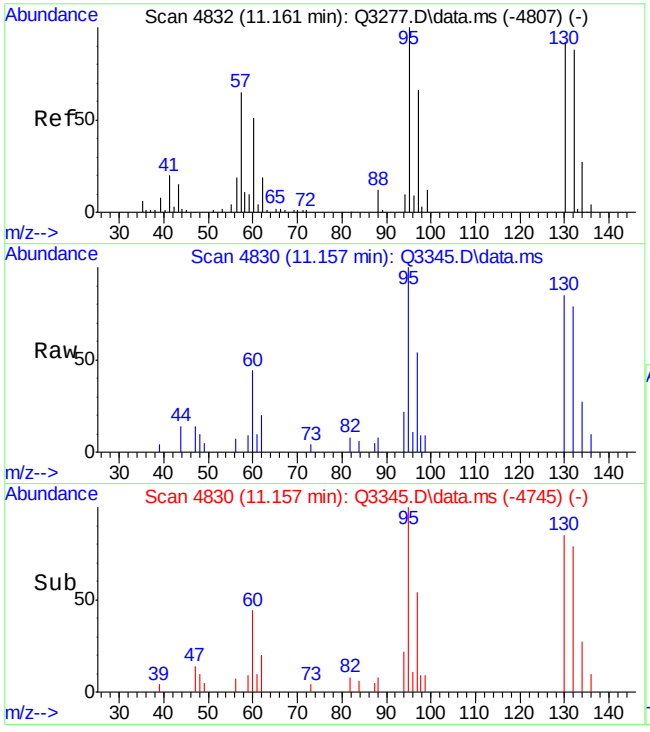


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV m
RT: 10.309 min Scan# 4352
Delta R.T. 0.004 min
Lab File: Q3345.D
Acq: 4 May 2007 7:03 pm

Tgt Ion:117 Resp: 5351

Ion	Ratio	Lower	Upper
117	100		
119	99.6	75.6	115.6
121	0.0	10.5	50.5#

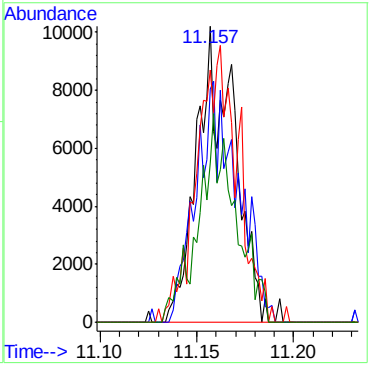


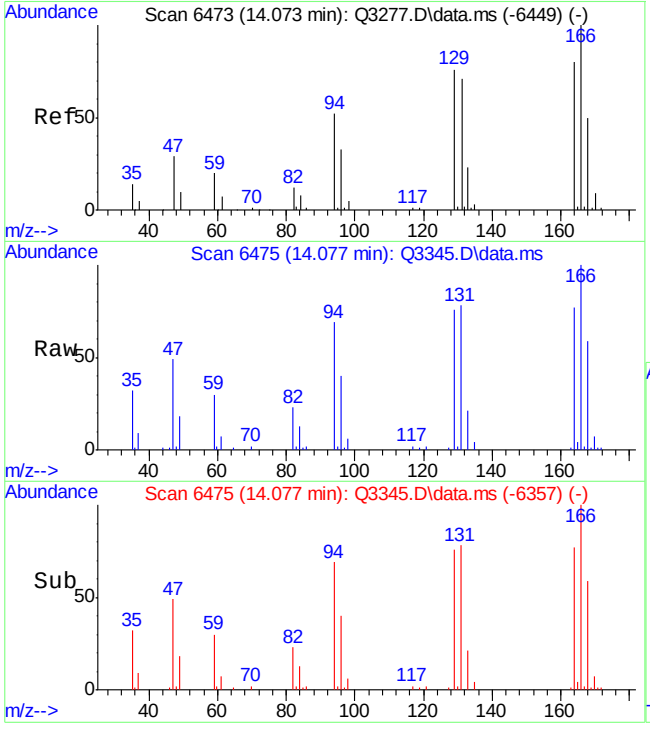


#38
TRICHLOROETHYLENE
Concen: 0.76 PPBV
RT: 11.157 min Scan# 4830
Delta R.T. -0.004 min
Lab File: Q3345.D
Acq: 4 May 2007 7:03 pm

Tgt Ion: 95 Resp: 13822

Ion	Ratio	Lower	Upper
95	100		
132	56.1	70.2	110.2#
130	102.4	72.7	112.7
97	68.9	45.2	85.2

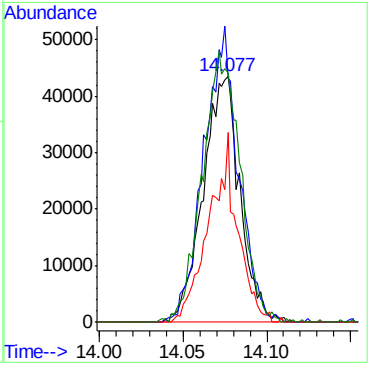




#51
TETRACHLOROETHYLENE
Concen: 4.80 PPBV
RT: 14.077 min Scan# 6475
Delta R.T. 0.004 min
Lab File: Q3345.D
Acq: 4 May 2007 7:03 pm

Tgt Ion:164 Resp: 66333

Ion	Ratio	Lower	Upper
164	100		
129	113.0	77.6	117.6
168	59.4	41.2	81.2
131	112.9	72.6	112.6#

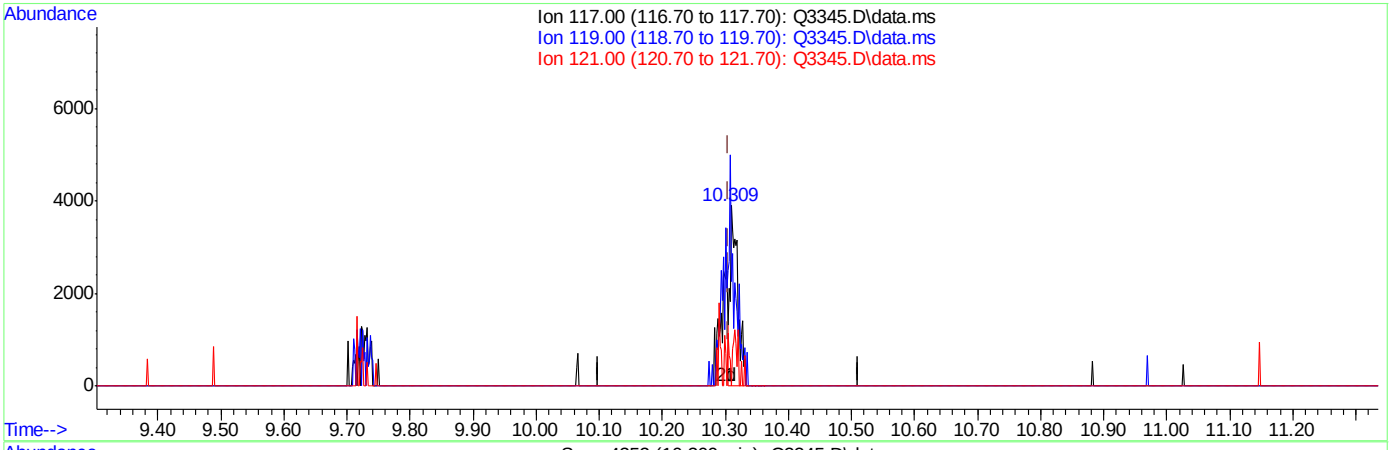


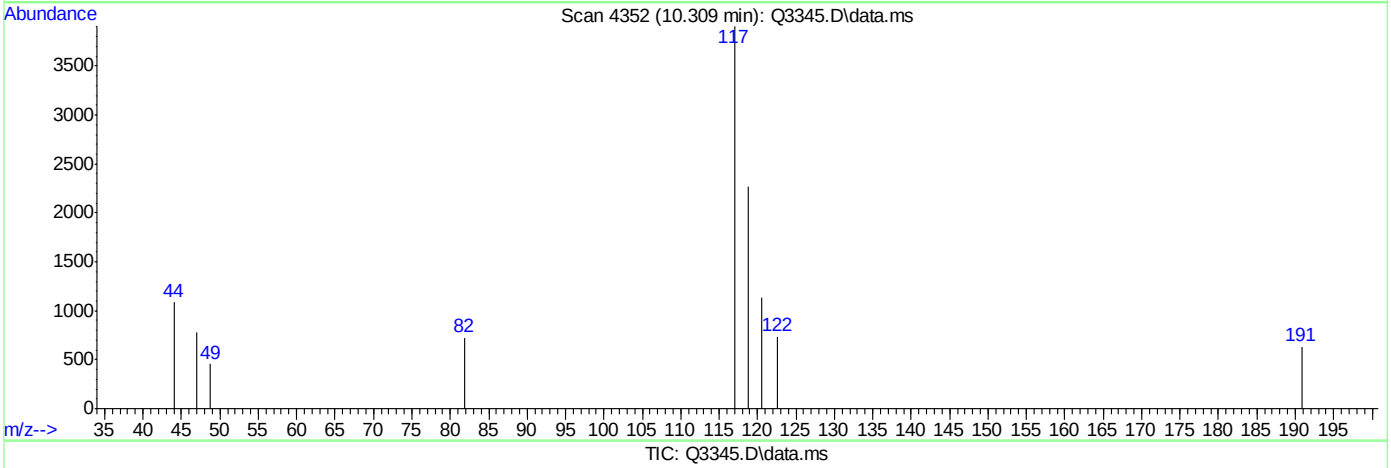
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3345.D
Acq On    :  4 May 2007   7:03 pm
Operator  : PhilipB
Sample    : M64501-2
Misc      : MS13500,MSQ181,,,,,1
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: May 04 19:28:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
```



TIC: Q3345.D\data.ms

(33) CARBON TETRACHLORIDE (m)

10.309min (+0.004) 0.07PPBV

response 3251

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	163.86#
121.00	30.50	0.00#
0.00	0.00	0.00

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/05/07 09:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3346.D
Acq On : 4 May 2007 7:50 pm
Operator : PhilipB
Sample : M64501-3
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 05 06:57:57 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	156207	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.470	114	681057	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	564372	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.340	95	233363	5.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.40%

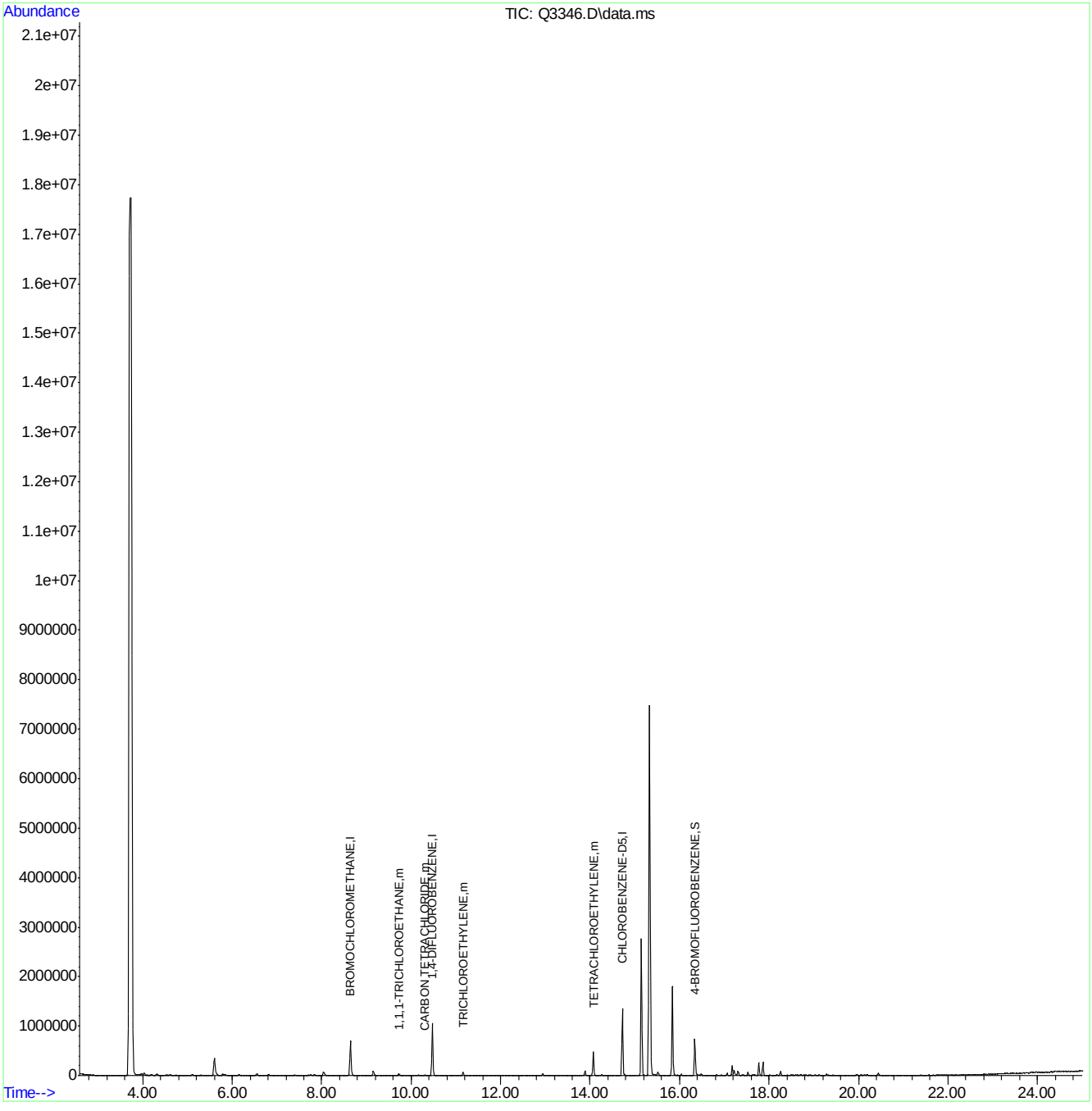
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.711	97	21360m	0.55	PPBV	
33) CARBON TETRACHLORIDE	10.316	117	5215	0.11	PPBV #	60
38) TRICHLOROETHYLENE	11.159	95	18992	1.01	PPBV	90
51) TETRACHLOROETHYLENE	14.070	164	74544	5.00	PPBV	87

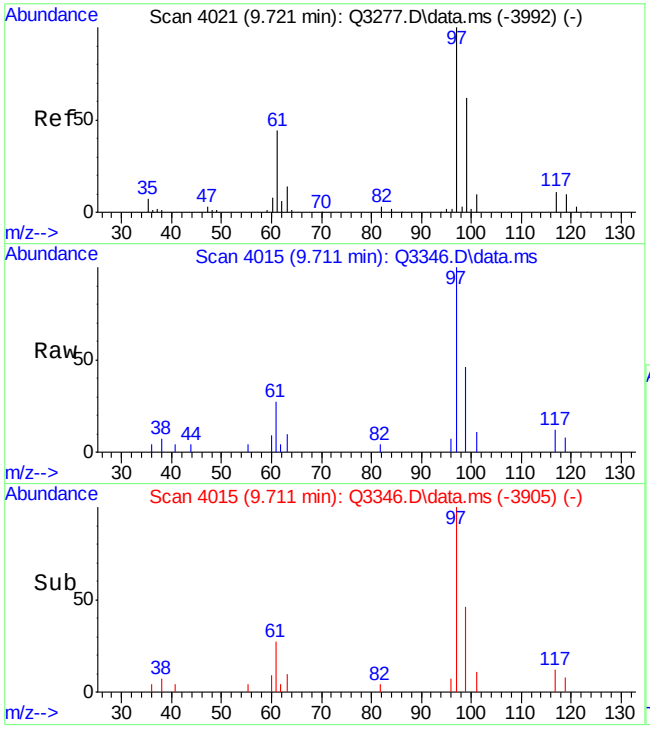
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3346.D
Acq On : 4 May 2007 7:50 pm
Operator : PhilipB
Sample : M64501-3
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 05 06:57:57 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

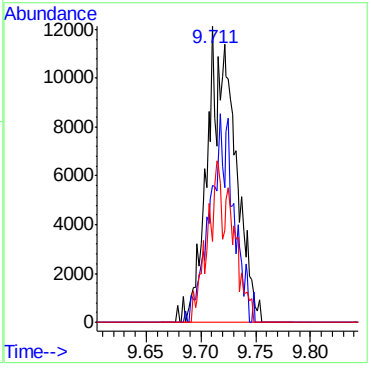


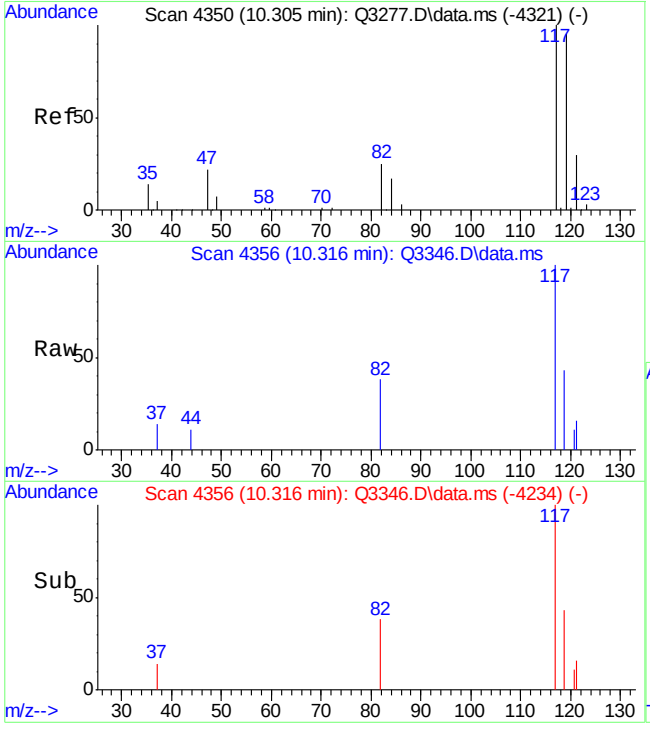


#32
1,1,1-TRICHLOROETHANE
Concen: 0.55 PPBV m
RT: 9.711 min Scan# 4015
Delta R.T. -0.010 min
Lab File: Q3346.D
Acq: 4 May 2007 7:50 pm

Tgt Ion: 97 Resp: 21360

Ion	Ratio	Lower	Upper
97	100		
99	60.4	43.4	83.4
61	48.4	23.5	63.5

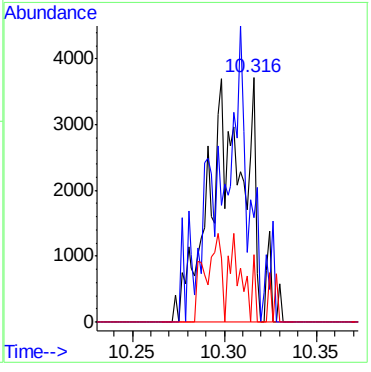


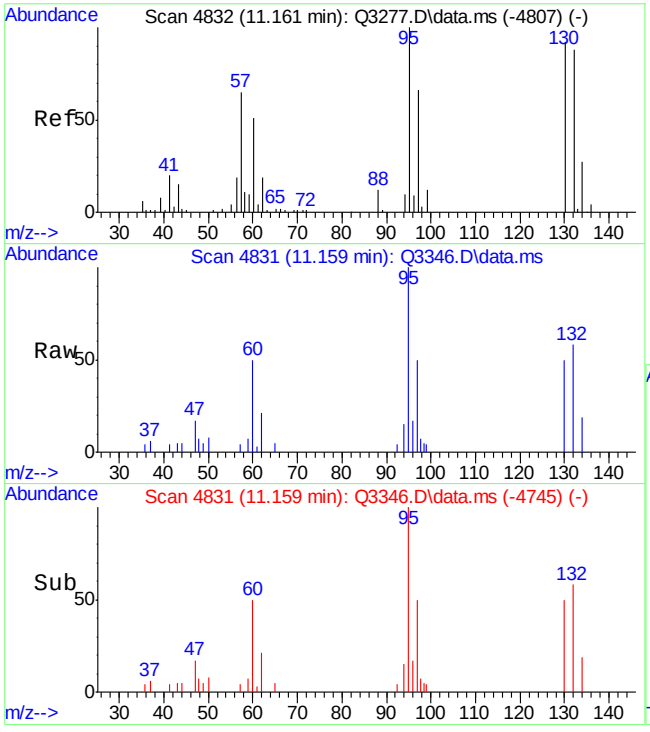


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.316 min Scan# 4356
Delta R.T. 0.011 min
Lab File: Q3346.D
Acq: 4 May 2007 7:50 pm

Tgt Ion:117 Resp: 5215

Ion	Ratio	Lower	Upper
117	100		
119	62.2	75.6	115.6#
121	0.0	10.5	50.5#

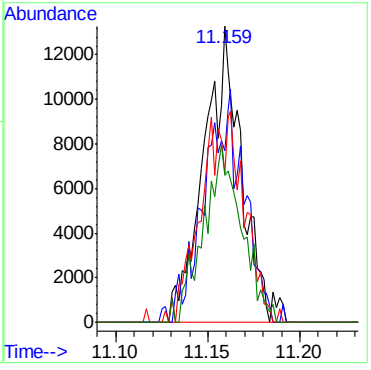


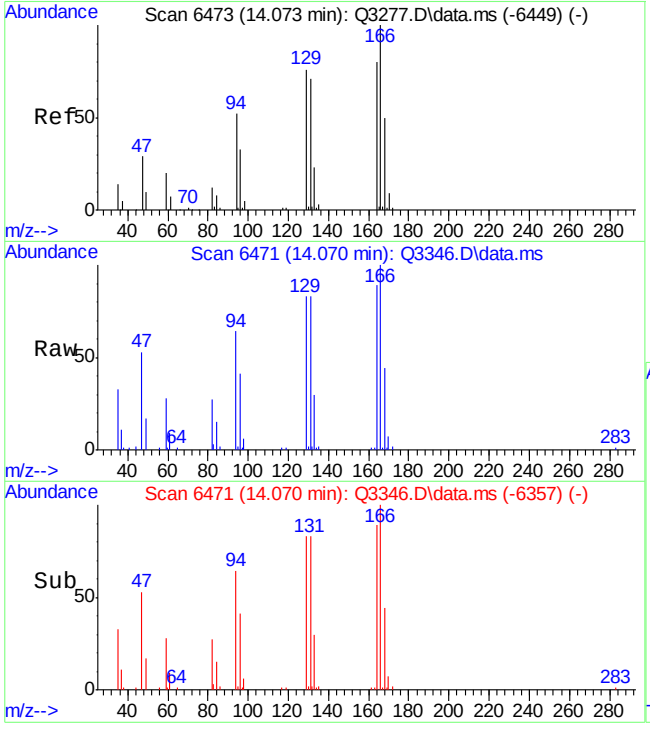


#38
TRICHLOROETHYLENE
Concen: 1.01 PPBV
RT: 11.159 min Scan# 4831
Delta R.T. -0.002 min
Lab File: Q3346.D
Acq: 4 May 2007 7:50 pm

Tgt Ion: 95 Resp: 18992

Ion	Ratio	Lower	Upper
95	100		
132	81.7	70.2	110.2
130	80.2	72.7	112.7
97	60.7	45.2	85.2

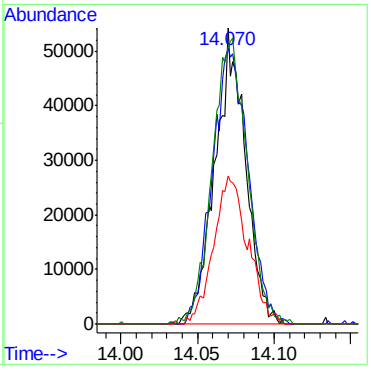




#51
TETRACHLOROETHYLENE
Concen: 5.00 PPBV
RT: 14.070 min Scan# 6471
Delta R.T. -0.003 min
Lab File: Q3346.D
Acq: 4 May 2007 7:50 pm

Tgt Ion:164 Resp: 74544

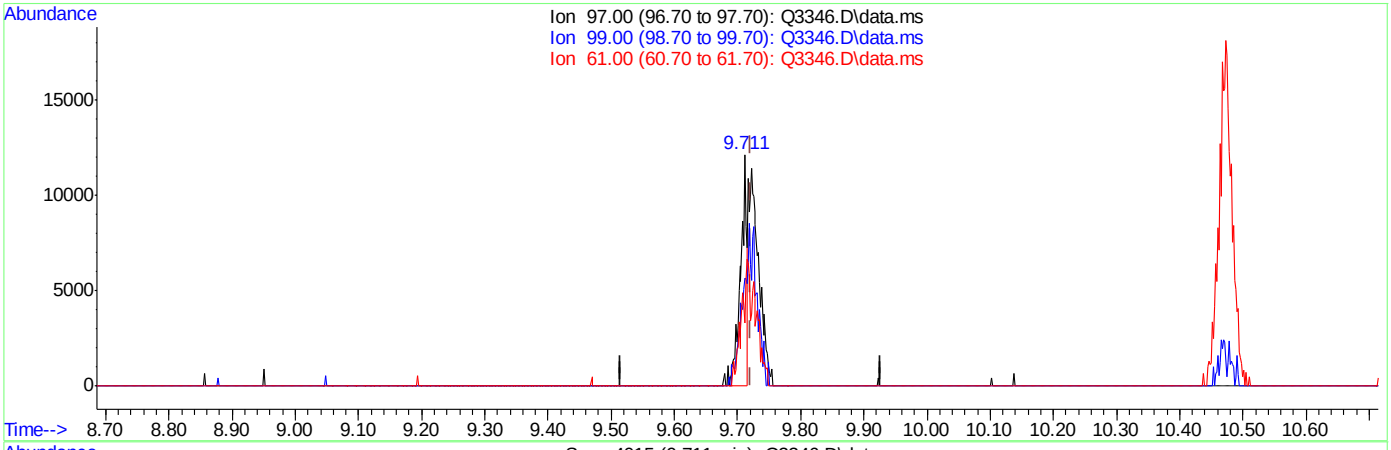
Ion	Ratio	Lower	Upper
164	100		
129	109.5	77.6	117.6
168	56.3	41.2	81.2
131	110.7	72.6	112.6

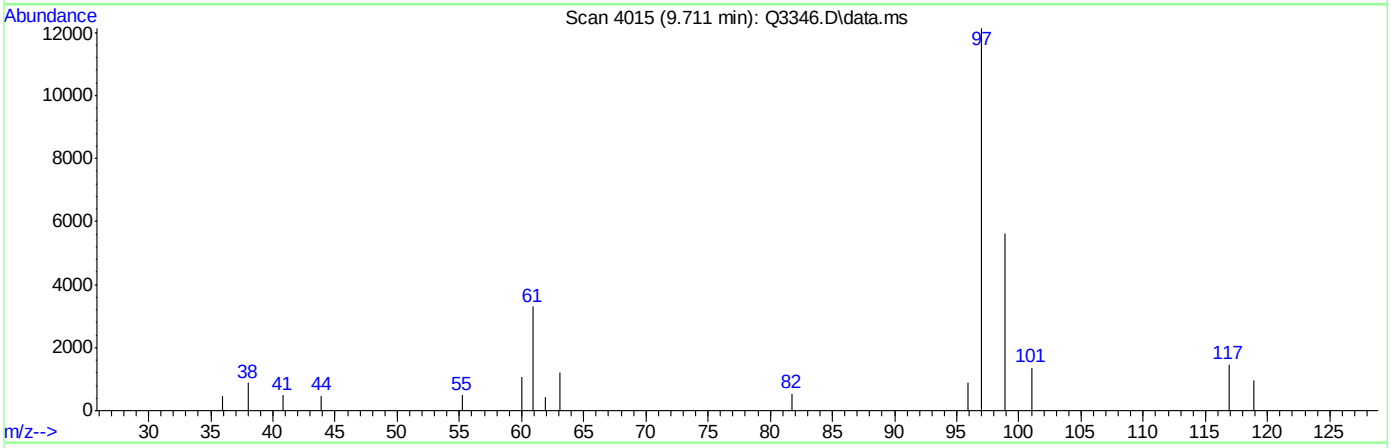


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3346.D
Acq On : 4 May 2007 7:50 pm
Operator : PhilipB
Sample : M64501-3
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 05 06:55:37 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3346.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.711min (-0.010) 0.20PPBV

response 7912

Ion	Exp%	Act%
97.00	100	100
99.00	63.40	162.96#
61.00	43.50	130.61#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3347.D
Acq On : 5 May 2007 7:57 am
Operator : PhilipB
Sample : M64501-4
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 05 08:48:34 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	160291	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.470	114	719011	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	608957	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	256515	5.42	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 108.40%

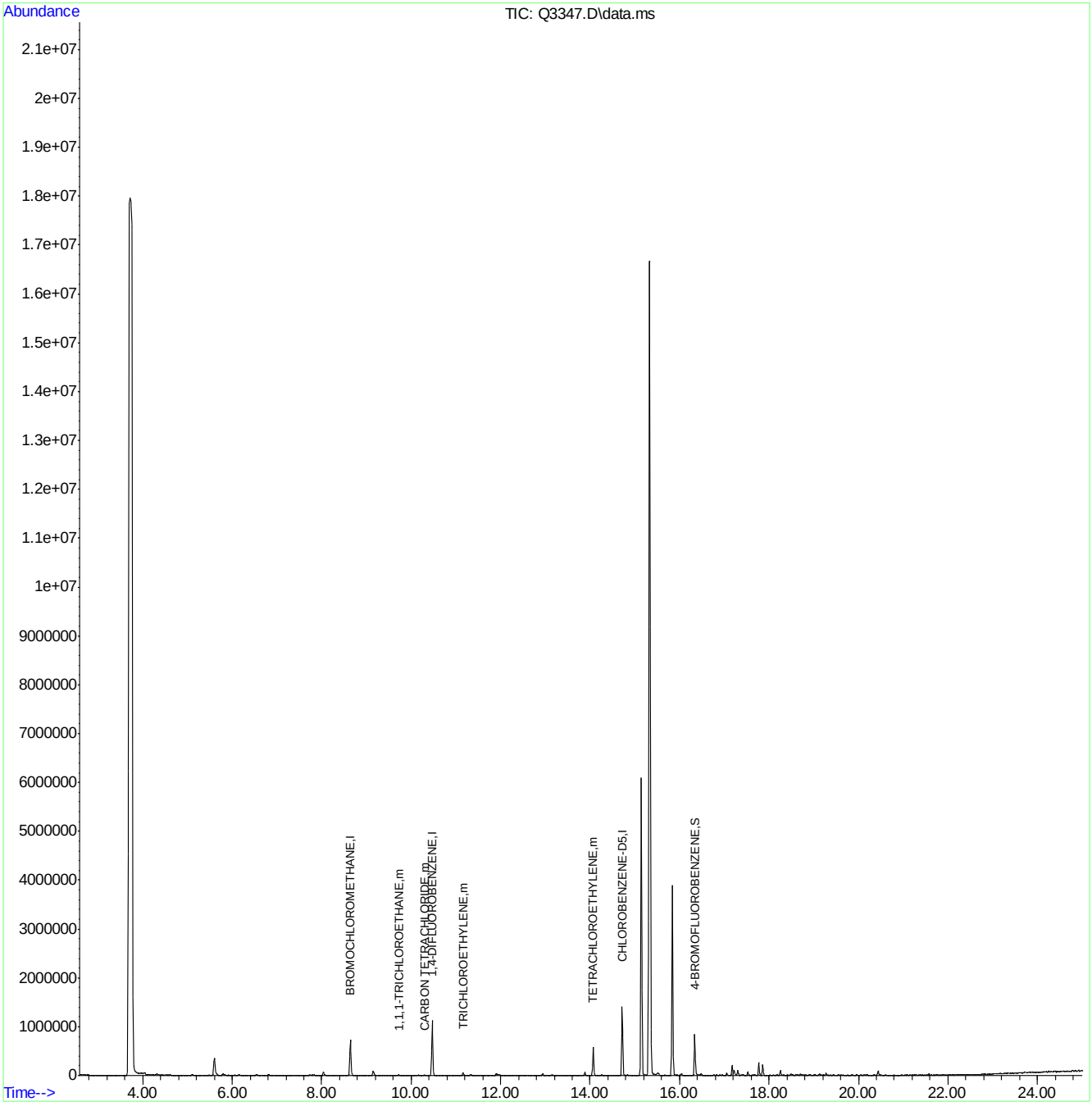
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.718	97	13754	0.34	PPBV #	67
33) CARBON TETRACHLORIDE	10.300	117	5971	0.12	PPBV #	72
38) TRICHLOROETHYLENE	11.155	95	12806	0.64	PPBV	94
51) TETRACHLOROETHYLENE	14.066	164	89600	5.57	PPBV #	85

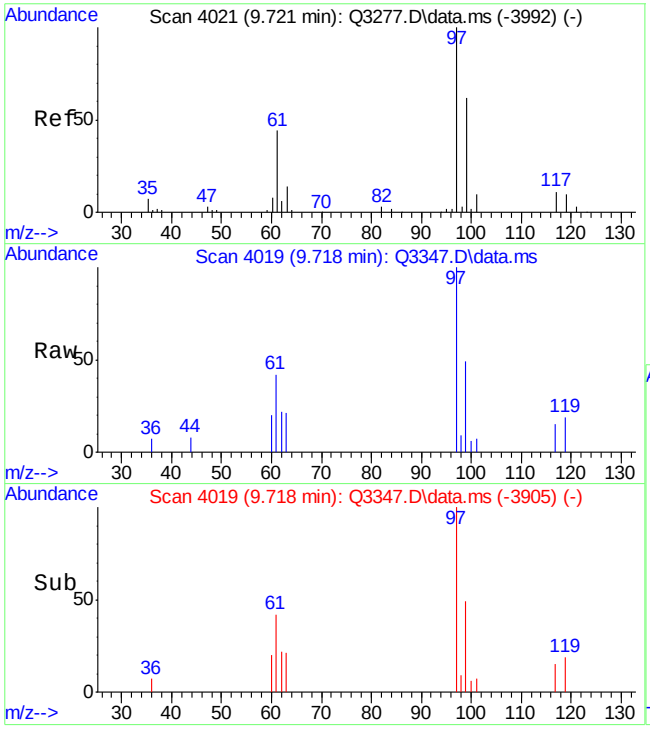
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3347.D
Acq On : 5 May 2007 7:57 am
Operator : PhilipB
Sample : M64501-4
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 05 08:48:34 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

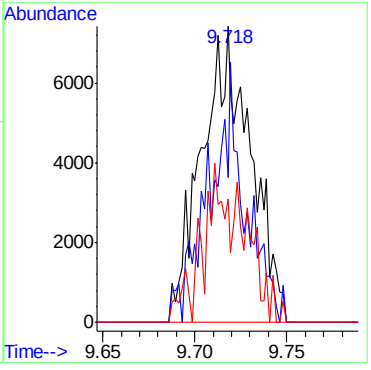


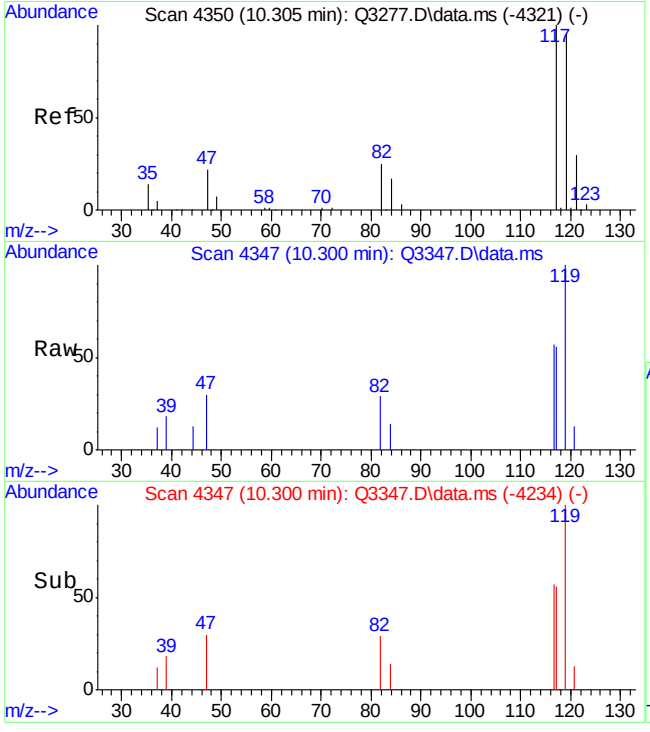


#32
1,1,1-TRICHLOROETHANE
Concen: 0.34 PPBV
RT: 9.718 min Scan# 4019
Delta R.T. -0.003 min
Lab File: Q3347.D
Acq: 5 May 2007 7:57 am

Tgt Ion: 97 Resp: 13754

Ion	Ratio	Lower	Upper
97	100		
99	21.6	43.4	83.4#
61	44.5	23.5	63.5

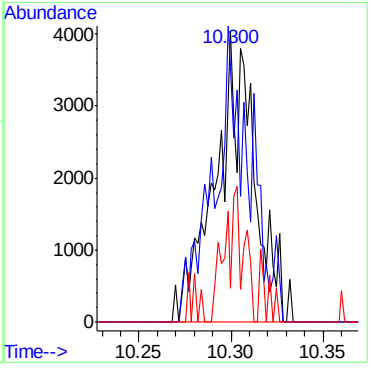


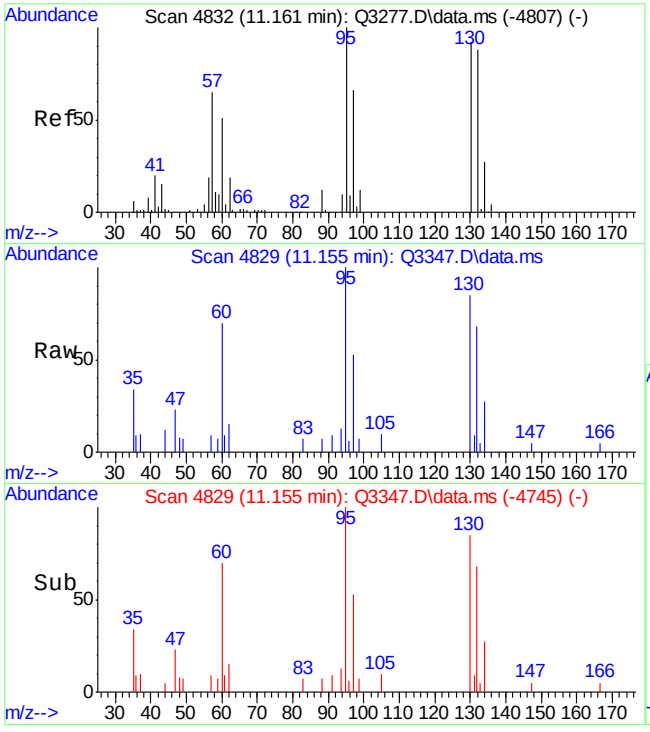


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.300 min Scan# 4347
Delta R.T. -0.005 min
Lab File: Q3347.D
Acq: 5 May 2007 7:57 am

Tgt Ion:117 Resp: 5971

Ion	Ratio	Lower	Upper
117	100		
119	61.9	75.6	115.6#
121	26.3	10.5	50.5

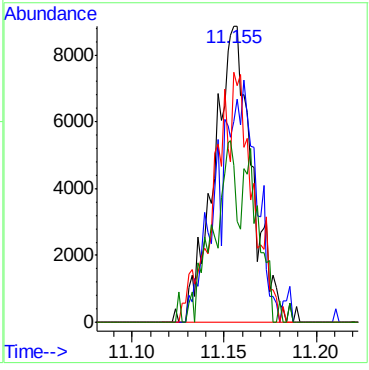


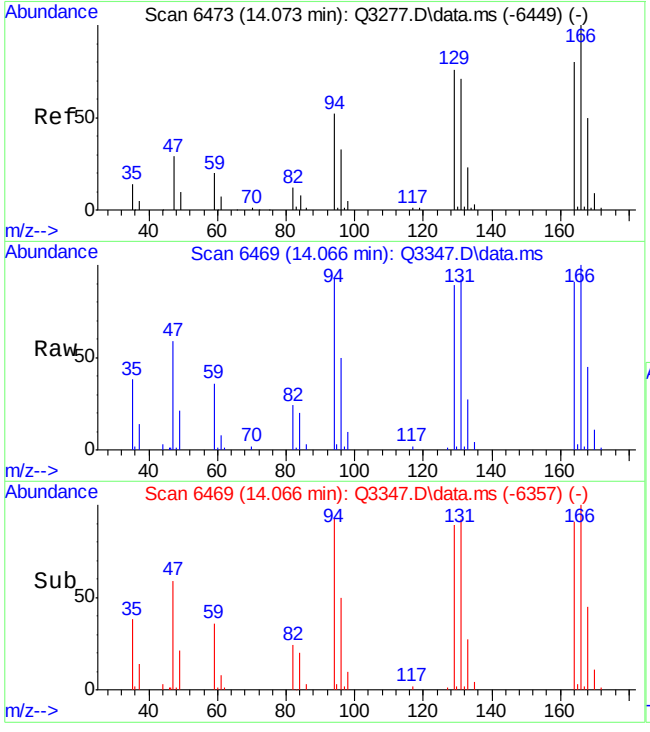


#38
TRICHLOROETHYLENE
Concen: 0.64 PPBV
RT: 11.155 min Scan# 4829
Delta R.T. -0.005 min
Lab File: Q3347.D
Acq: 5 May 2007 7:57 am

Tgt Ion: 95 Resp: 12806

Ion	Ratio	Lower	Upper
95	100		
132	85.1	70.2	110.2
130	84.3	72.7	112.7
97	64.2	45.2	85.2

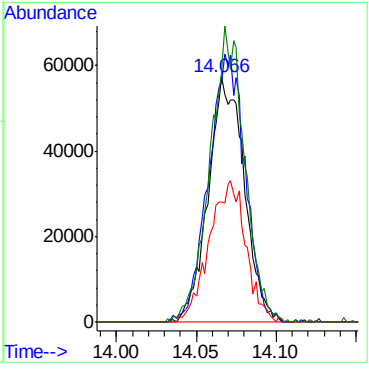




#51
TETRACHLOROETHYLENE
Concen: 5.57 PPBV
RT: 14.066 min Scan# 6469
Delta R.T. -0.007 min
Lab File: Q3347.D
Acq: 5 May 2007 7:57 am

Tgt Ion:164 Resp: 89600

Ion	Ratio	Lower	Upper
164	100		
129	111.1	77.6	117.6
168	58.6	41.2	81.2
131	115.9	72.6	112.6#



ACCUTEST Laboratories M64501

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/05/07 13:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3353.D
Acq On : 5 May 2007 12:30 pm
Operator : PhilipB
Sample : M64501-5
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 05 12:58:38 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	149145	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.465	114	649364	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.714	117	566557	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	230790	5.24	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.80%

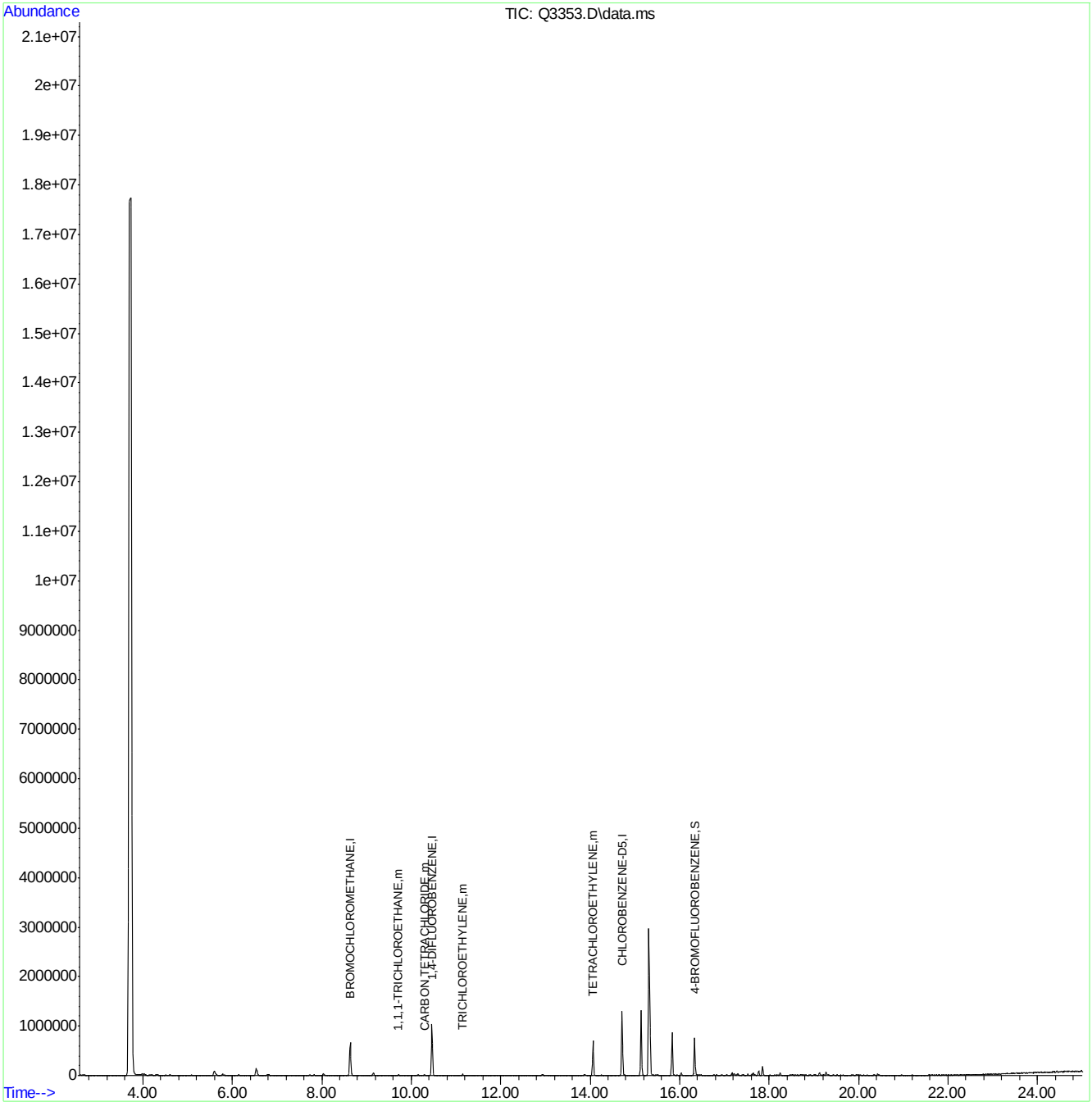
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.718	97	9268	0.25	PPBV	98
33) CARBON TETRACHLORIDE	10.294	117	5566m	0.12	PPBV	
38) TRICHLOROETHYLENE	11.146	95	6732	0.37	PPBV	97
51) TETRACHLOROETHYLENE	14.069	164	104167	6.96	PPBV #	83

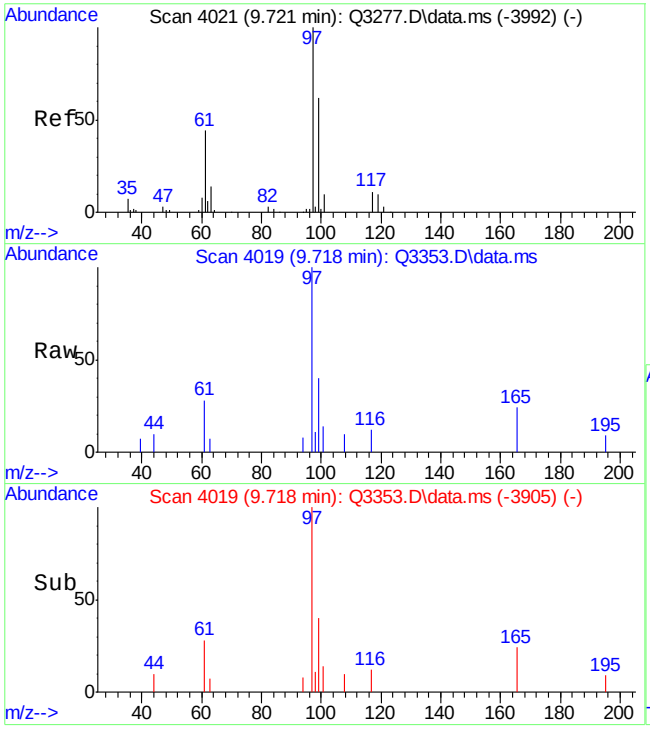
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3353.D
Acq On : 5 May 2007 12:30 pm
Operator : PhilipB
Sample : M64501-5
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 05 12:58:38 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

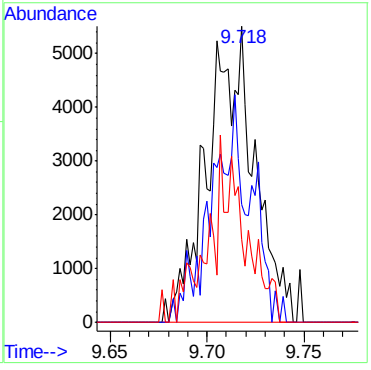


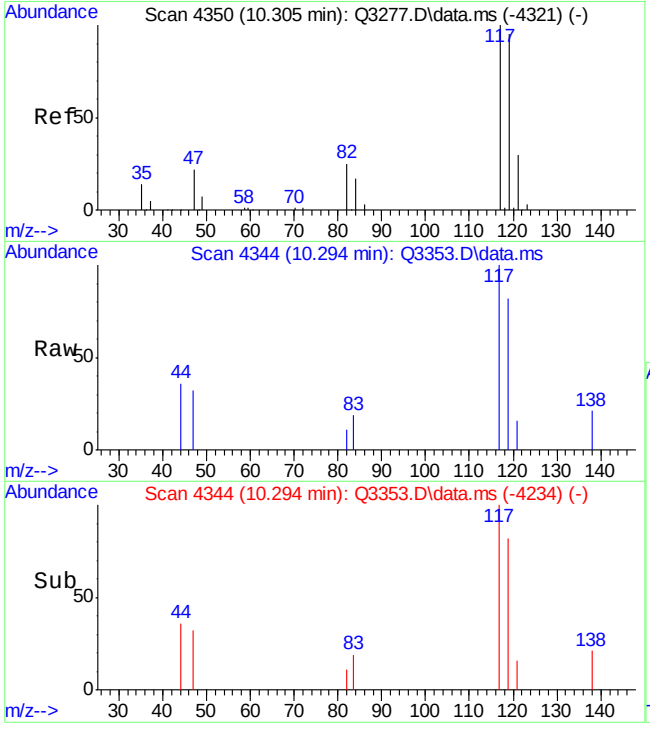


#32
1,1,1-TRICHLOROETHANE
Concen: 0.25 PPBV
RT: 9.718 min Scan# 4019
Delta R.T. -0.004 min
Lab File: Q3353.D
Acq: 5 May 2007 12:30 pm

Tgt Ion: 97 Resp: 9268

Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.4	83.4
61	46.0	23.5	63.5

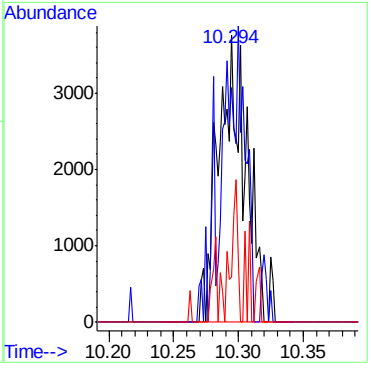


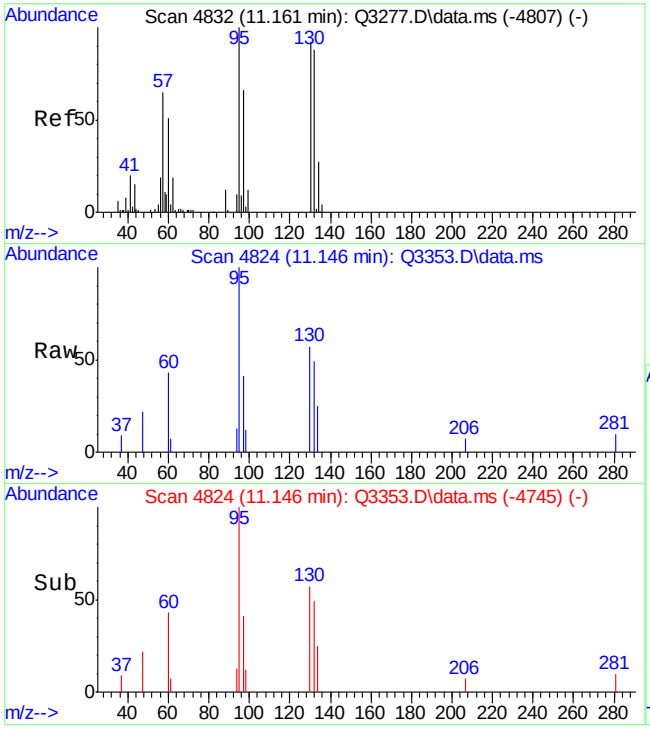


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV m
RT: 10.294 min Scan# 4344
Delta R.T. -0.011 min
Lab File: Q3353.D
Acq: 5 May 2007 12:30 pm

Tgt Ion:117 Resp: 5566

Ion	Ratio	Lower	Upper
117	100		
119	64.0	75.6	115.6#
121	14.2	10.5	50.5

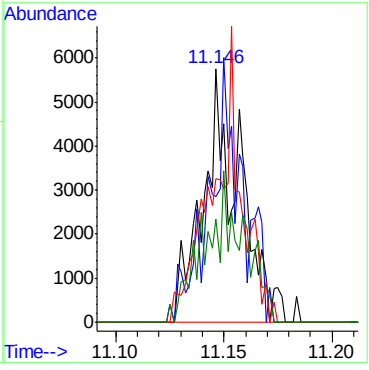


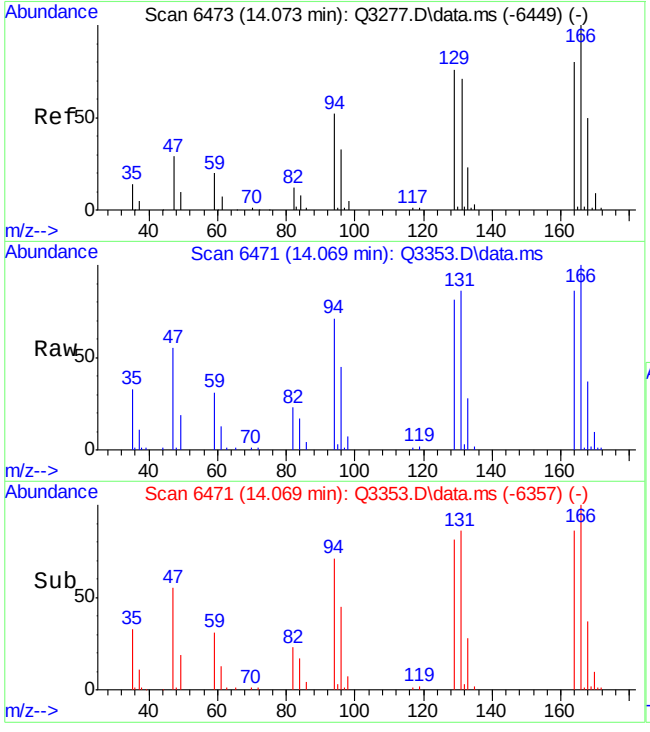


#38
TRICHLOROETHYLENE
Concen: 0.37 PPBV
RT: 11.146 min Scan# 4824
Delta R.T. -0.014 min
Lab File: Q3353.D
Acq: 5 May 2007 12:30 pm

Tgt Ion: 95 Resp: 6732

Ion	Ratio	Lower	Upper
95	100		
132	92.6	70.2	110.2
130	88.5	72.7	112.7
97	63.1	45.2	85.2

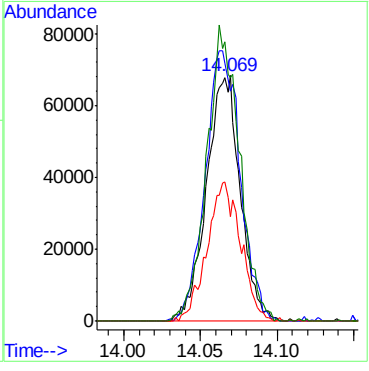




#51
TETRACHLOROETHYLENE
Concen: 6.96 PPBV
RT: 14.069 min Scan# 6471
Delta R.T. -0.004 min
Lab File: Q3353.D
Acq: 5 May 2007 12:30 pm

Tgt Ion:164 Resp: 104167

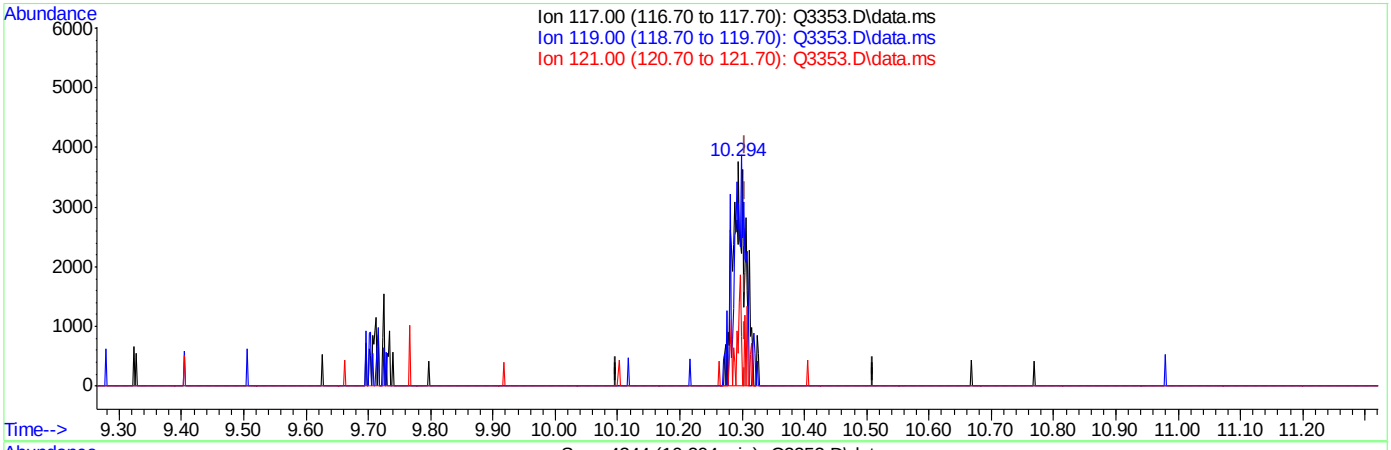
Ion	Ratio	Lower	Upper
164	100		
129	114.6	77.6	117.6
168	56.4	41.2	81.2
131	116.5	72.6	112.6#

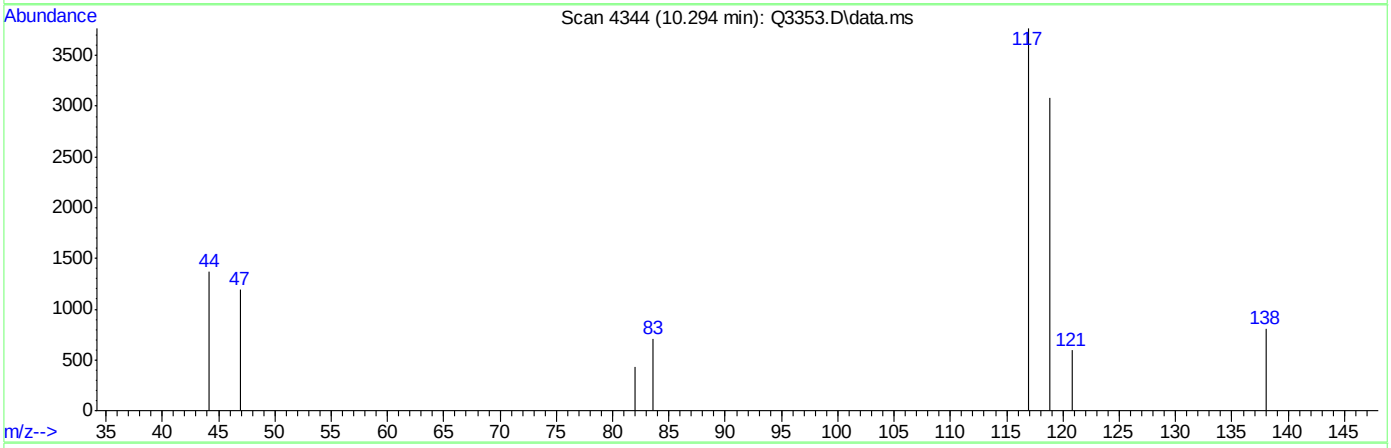


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3353.D
Acq On : 5 May 2007 12:30 pm
Operator : PhilipB
Sample : M64501-5
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 05 12:56:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3353.D\data.ms

(33) CARBON TETRACHLORIDE (m)

10.294min (-0.011) 0.12PPBV

response 5416

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	65.82#
121.00	30.50	14.57
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/05/07 10:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3349.D
Acq On : 5 May 2007 9:28 am
Operator : PhilipB
Sample : M64501-6
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 05 10:00:38 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	160903	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.465	114	700245	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.716	117	581231	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	235838	5.22	PPBV	-0.01

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.40%

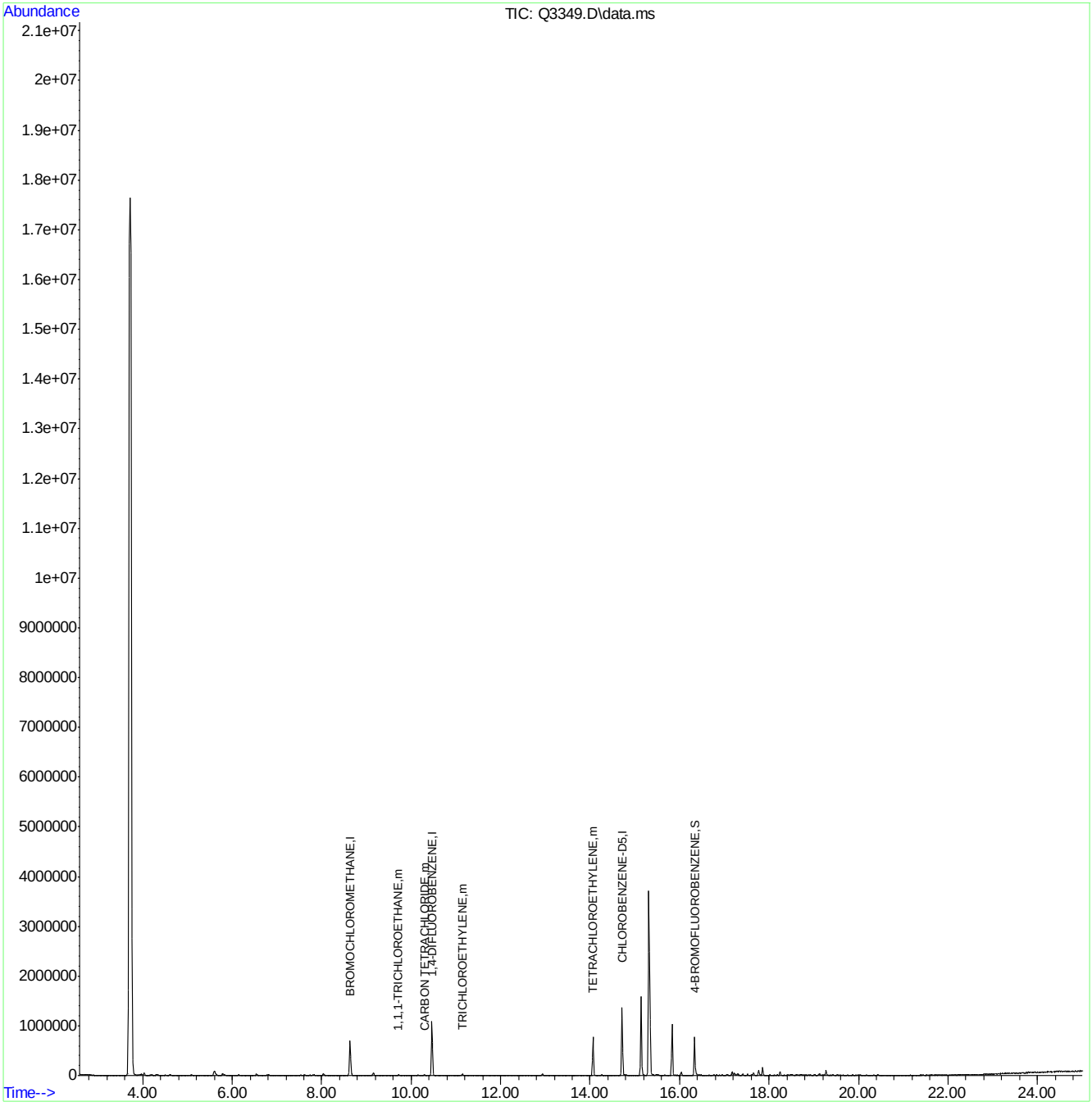
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.712	97	11138	0.28	PPBV	97
33) CARBON TETRACHLORIDE	10.291	117	5904m	0.12	PPBV	
38) TRICHLOROETHYLENE	11.148	95	8602	0.44	PPBV #	78
51) TETRACHLOROETHYLENE	14.064	164	112884	7.35	PPBV #	82

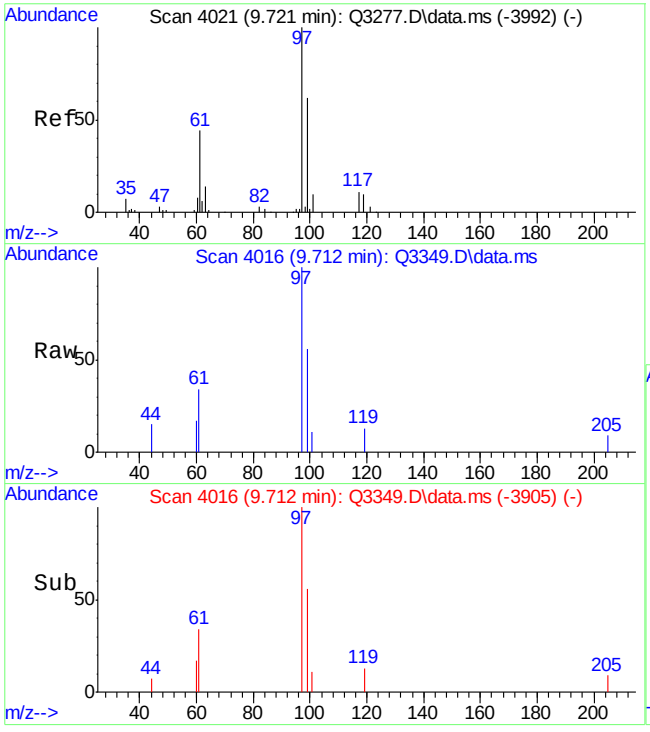
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3349.D
Acq On : 5 May 2007 9:28 am
Operator : PhilipB
Sample : M64501-6
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 05 10:00:38 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

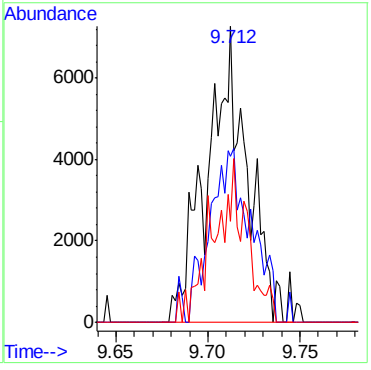


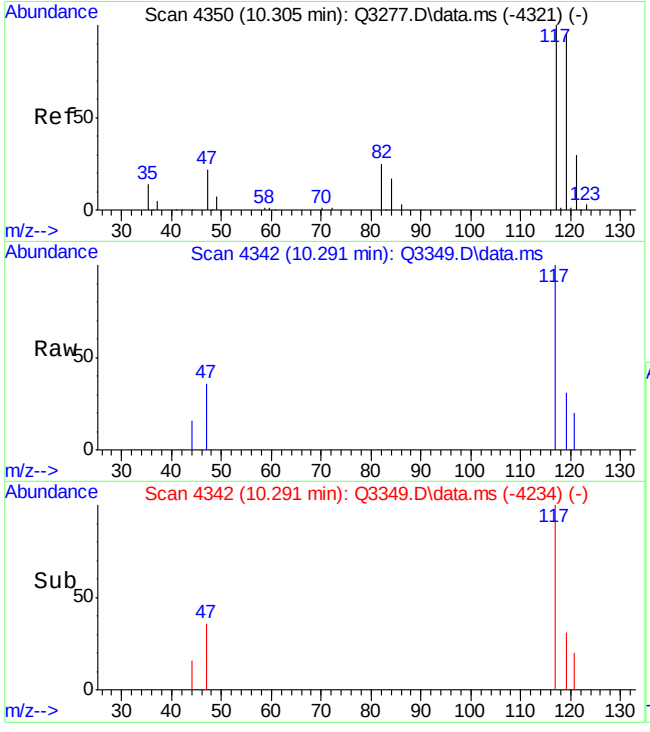


#32
1,1,1-TRICHLOROETHANE
Concen: 0.28 PPBV
RT: 9.712 min Scan# 4016
Delta R.T. -0.009 min
Lab File: Q3349.D
Acq: 5 May 2007 9:28 am

Tgt Ion: 97 Resp: 11138

Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.4	83.4
61	44.8	23.5	63.5

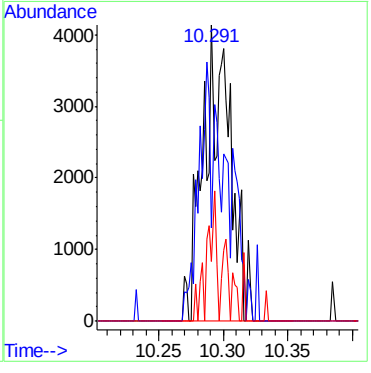


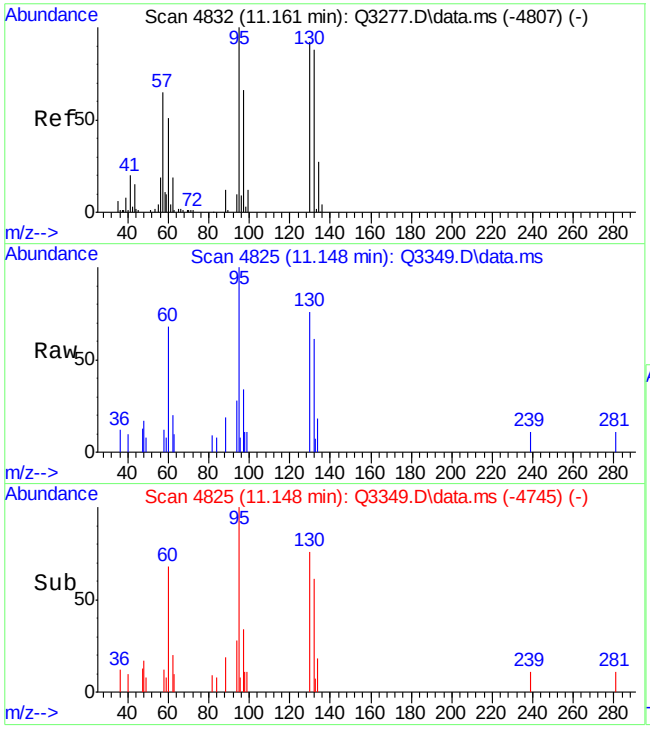


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV m
RT: 10.291 min Scan# 4342
Delta R.T. -0.014 min
Lab File: Q3349.D
Acq: 5 May 2007 9:28 am

Tgt Ion:117 Resp: 5904

Ion	Ratio	Lower	Upper
117	100		
119	67.9	75.6	115.6#
121	0.0	10.5	50.5#

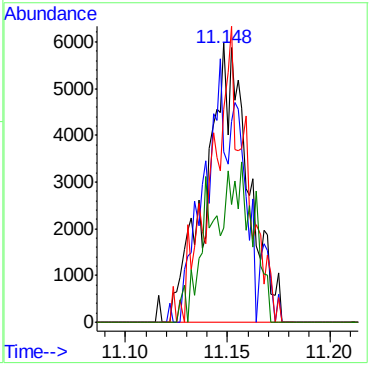


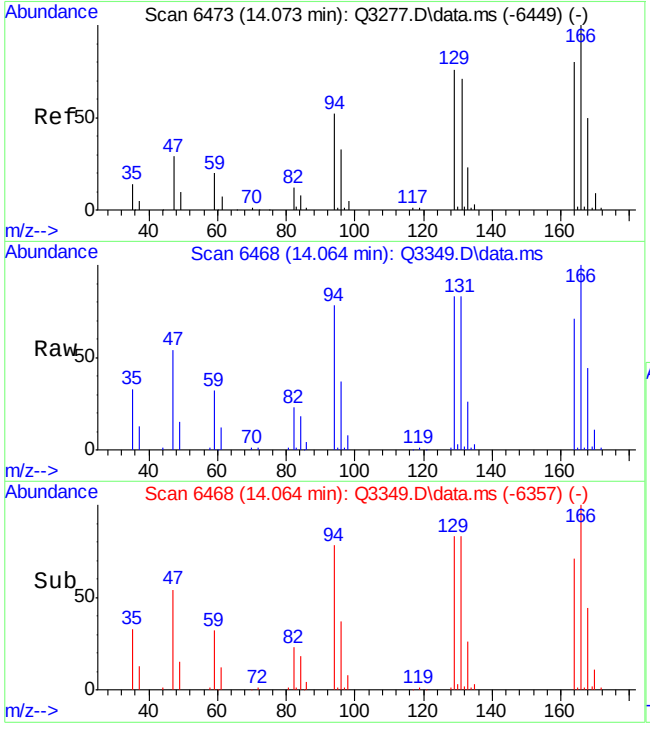


#38
TRICHLOROETHYLENE
Concen: 0.44 PPBV
RT: 11.148 min Scan# 4825
Delta R.T. -0.012 min
Lab File: Q3349.D
Acq: 5 May 2007 9:28 am

Tgt Ion: 95 Resp: 8602

Ion	Ratio	Lower	Upper
95	100		
132	79.0	70.2	110.2
130	85.3	72.7	112.7
97	21.4	45.2	85.2#

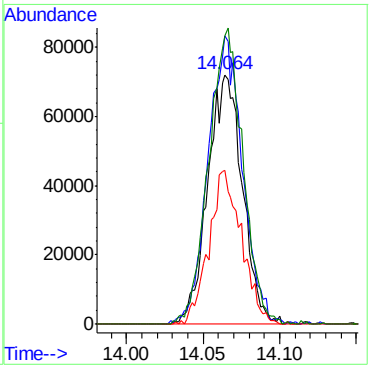




#51
TETRACHLOROETHYLENE
Concen: 7.35 PPBV
RT: 14.064 min Scan# 6468
Delta R.T. -0.009 min
Lab File: Q3349.D
Acq: 5 May 2007 9:28 am

Tgt Ion:164 Resp: 112884

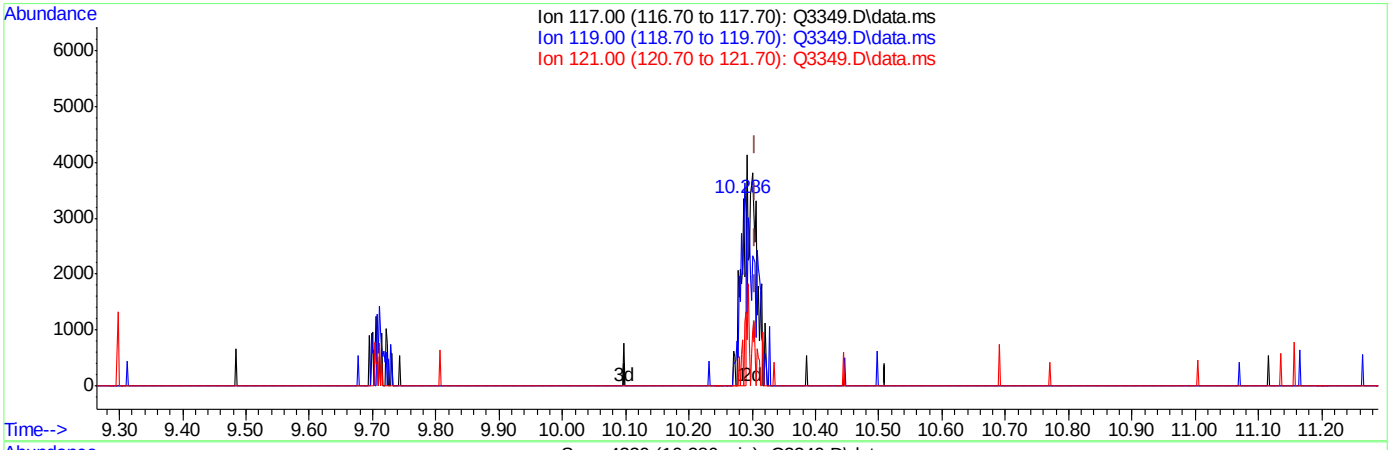
Ion	Ratio	Lower	Upper
164	100		
129	115.3	77.6	117.6
168	58.1	41.2	81.2
131	117.5	72.6	112.6#

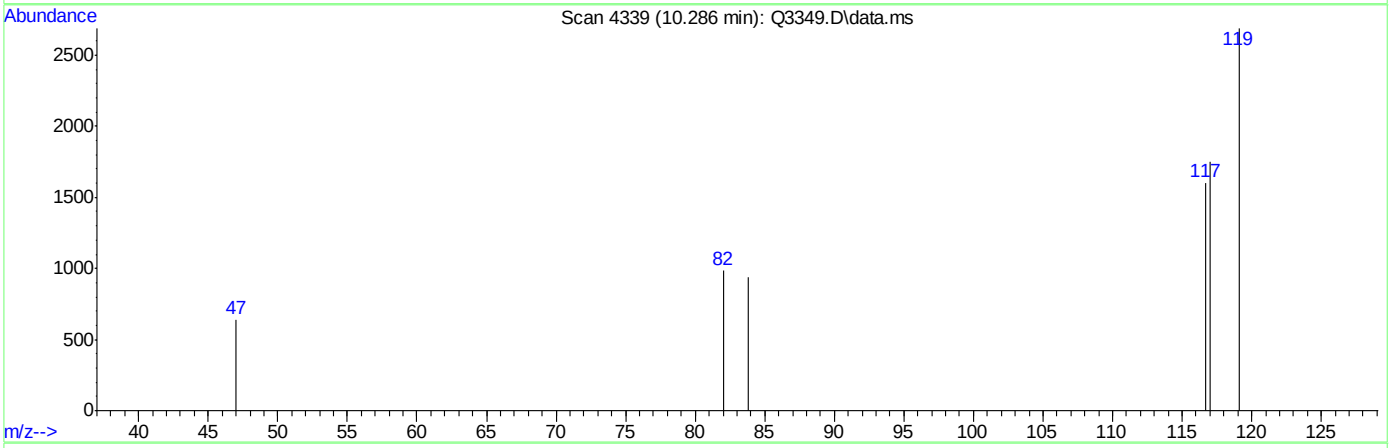


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3349.D
Acq On : 5 May 2007 9:28 am
Operator : PhilipB
Sample : M64501-6
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 05 09:58:19 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3349.D\data.ms

(33) CARBON TETRACHLORIDE (m)

10.286min (-0.019) 0.04PPBV

response 1943

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	206.43#
121.00	30.50	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/05/07 11:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3350.D
Acq On : 5 May 2007 10:15 am
Operator : PhilipB
Sample : M64501-7
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 05 10:47:37 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	154490	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.467	114	680475	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.712	117	549976	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	189874	4.44	PPBV	-0.01

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.80%

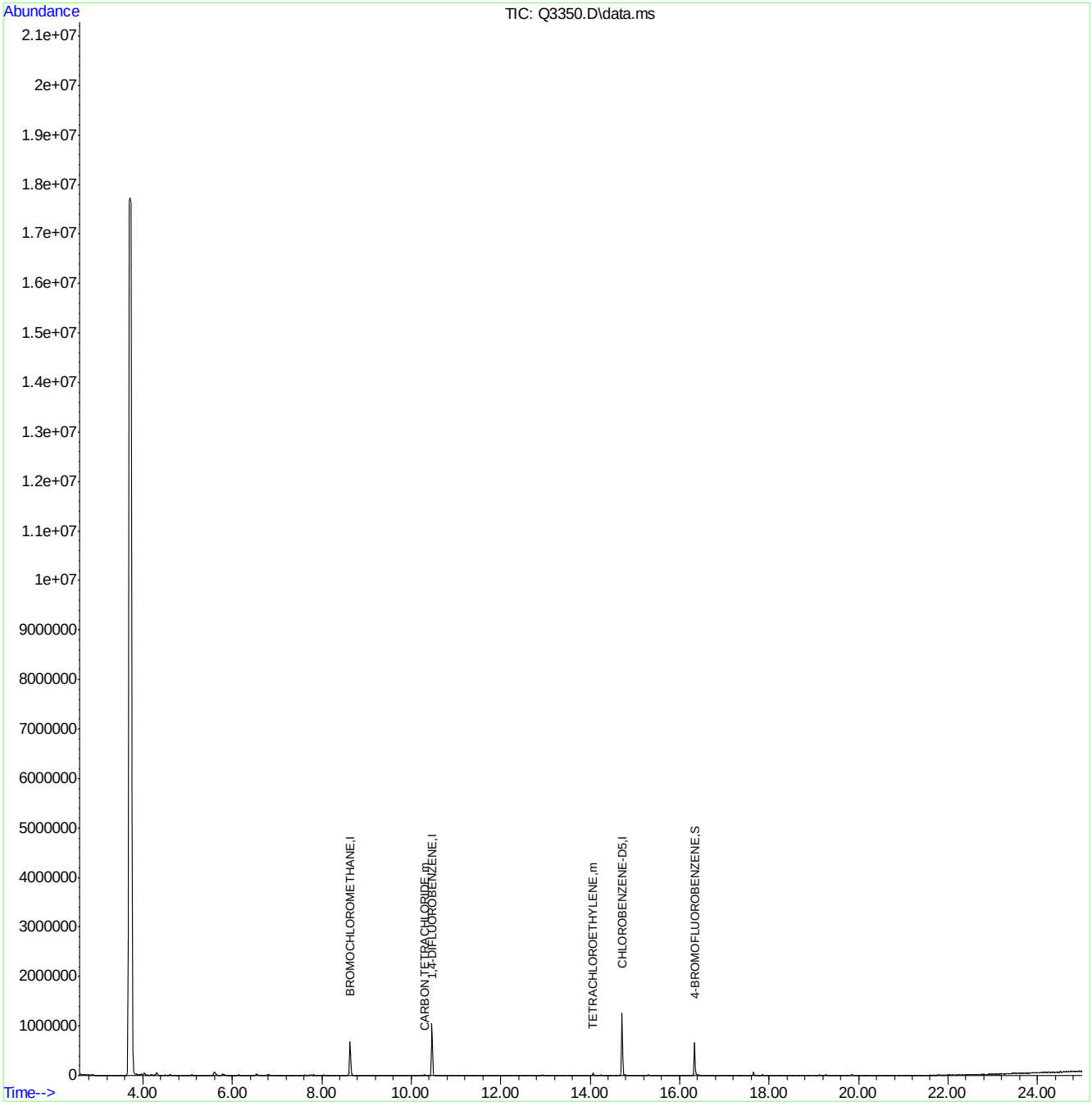
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.294	117	5026m	0.11	PPBV	
51) TETRACHLOROETHYLENE	14.064	164	7802	0.54	PPBV #	79

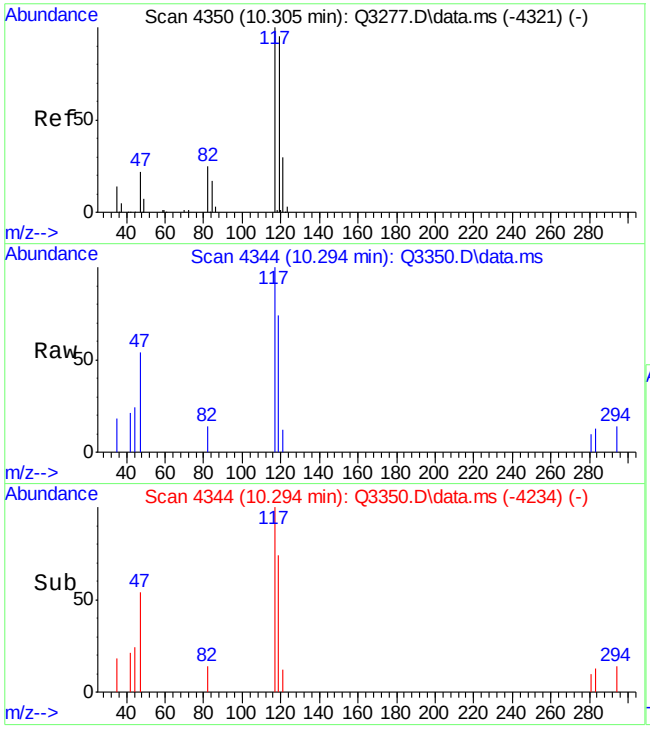
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3350.D
Acq On : 5 May 2007 10:15 am
Operator : PhilipB
Sample : M64501-7
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 05 10:47:37 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

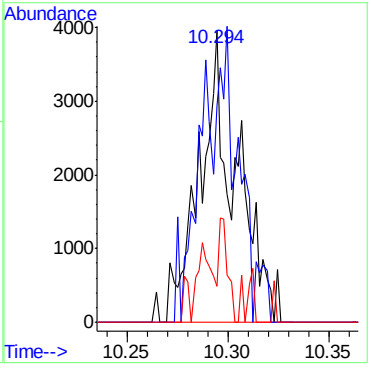


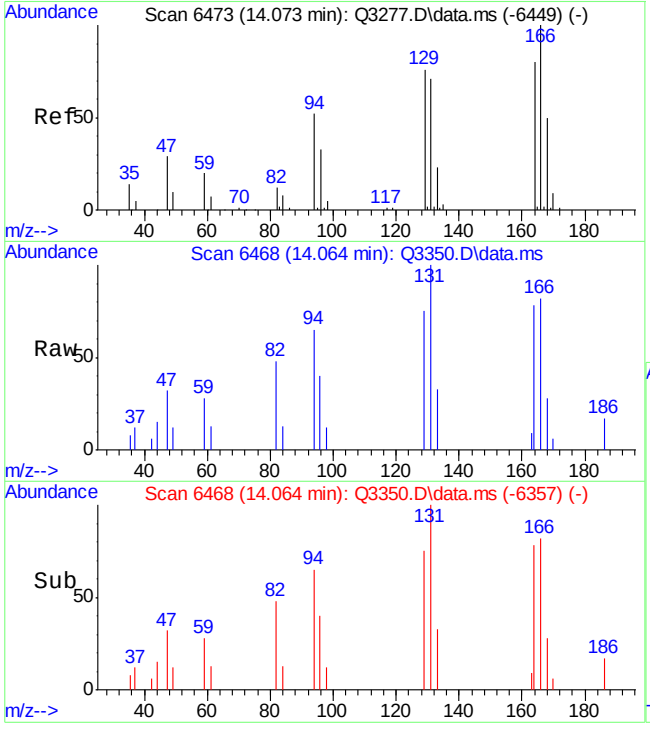


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV m
RT: 10.294 min Scan# 4344
Delta R.T. -0.011 min
Lab File: Q3350.D
Acq: 5 May 2007 10:15 am

Tgt Ion:117 Resp: 5026

Ion	Ratio	Lower	Upper
117	100		
119	60.0	75.6	115.6#
121	21.8	10.5	50.5

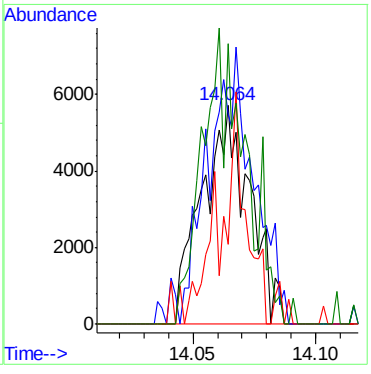




#51
TETRACHLOROETHYLENE
Concen: 0.54 PPBV
RT: 14.064 min Scan# 6468
Delta R.T. -0.009 min
Lab File: Q3350.D
Acq: 5 May 2007 10:15 am

Tgt Ion:164 Resp: 7802

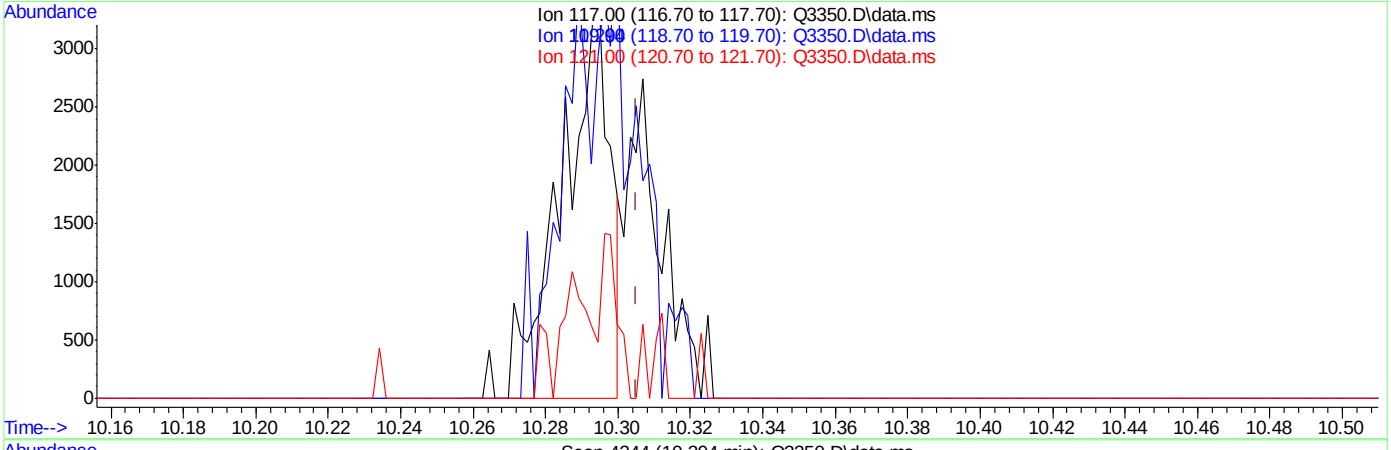
Ion	Ratio	Lower	Upper
164	100		
129	121.6	77.6	117.6#
168	58.5	41.2	81.2
131	120.5	72.6	112.6#

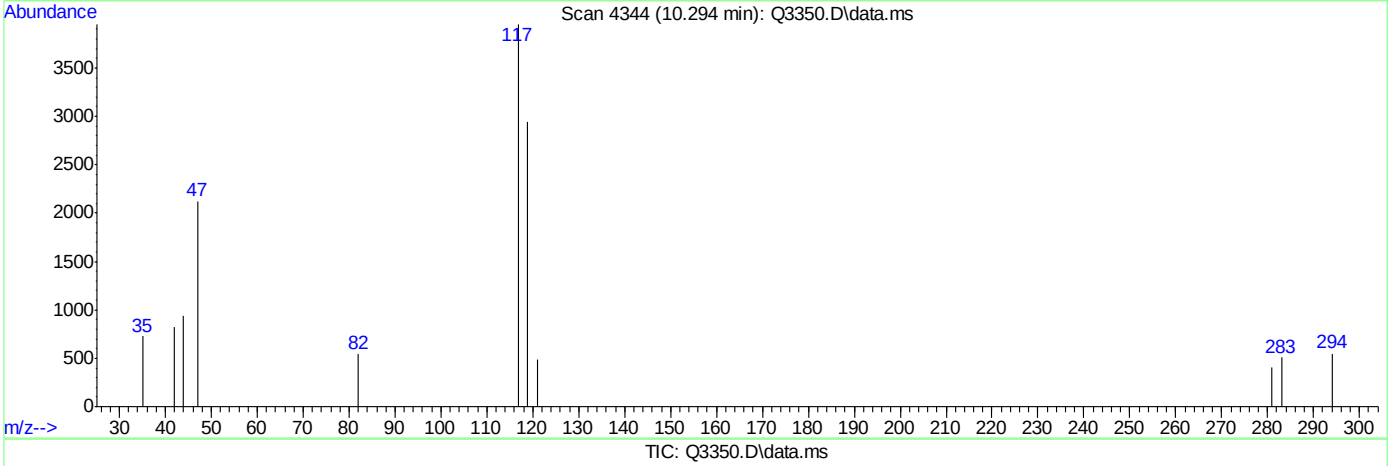


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3350.D
Acq On : 5 May 2007 10:15 am
Operator : PhilipB
Sample : M64501-7
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 05 10:44:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3350.D\data.ms

(33) CARBON TETRACHLORIDE (m)

10.294min (-0.011) 0.07PPBV

response 3228

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	93.37
121.00	30.50	33.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/05/07 11:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3351.D
Acq On : 5 May 2007 11:00 am
Operator : PhilipB
Sample : M64501-8
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 05 11:29:22 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	158239	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.465	114	695578	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.714	117	576967	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	238074	5.31	PPBV	-0.01

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.20%

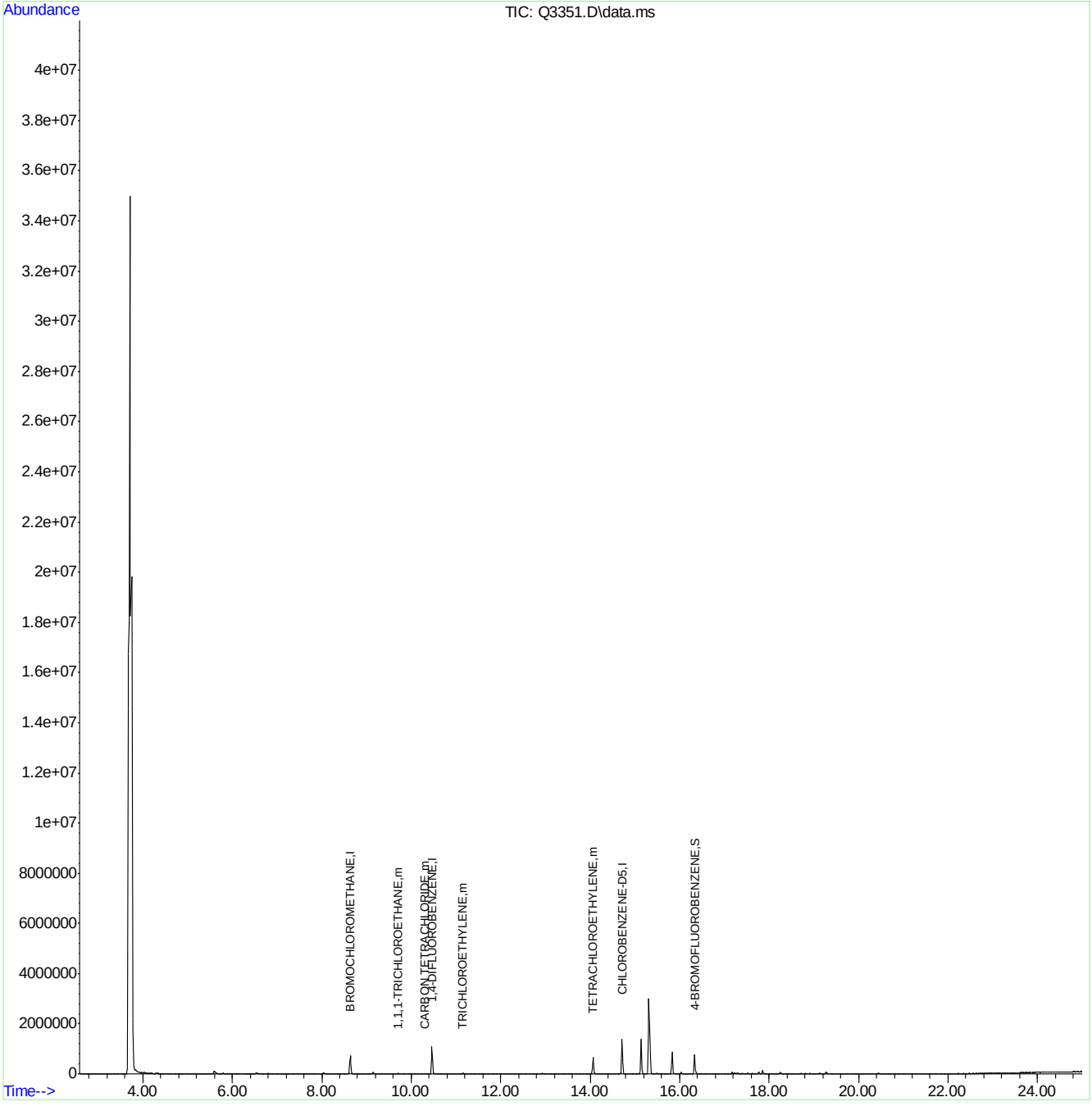
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.714	97	9469	0.24	PPBV	96
33) CARBON TETRACHLORIDE	10.298	117	4303m	0.09	PPBV	
38) TRICHLOROETHYLENE	11.152	95	7181	0.37	PPBV #	84
51) TETRACHLOROETHYLENE	14.066	164	98288	6.45	PPBV #	79

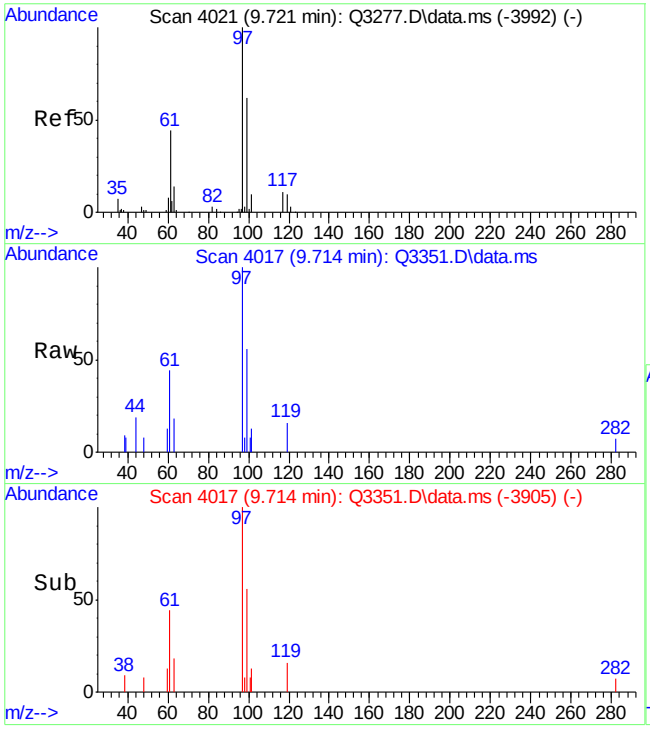
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3351.D
Acq On : 5 May 2007 11:00 am
Operator : PhilipB
Sample : M64501-8
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 05 11:29:22 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

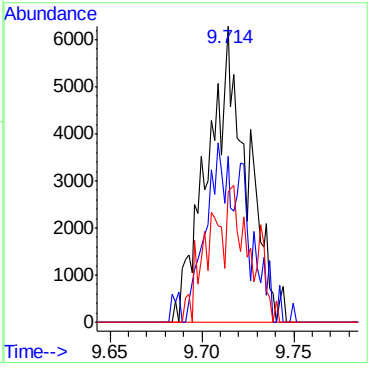


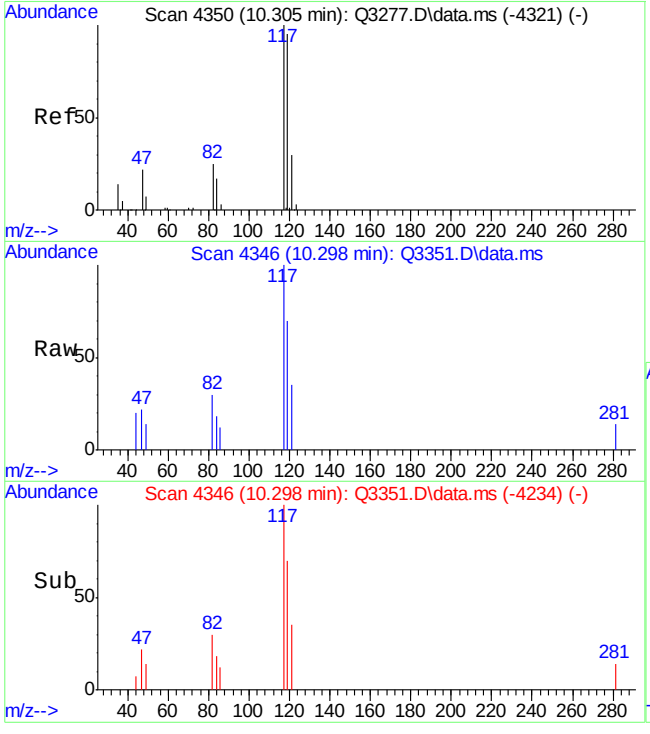


#32
1,1,1-TRICHLOROETHANE
Concen: 0.24 PPBV
RT: 9.714 min Scan# 4017
Delta R.T. -0.007 min
Lab File: Q3351.D
Acq: 5 May 2007 11:00 am

Tgt Ion: 97 Resp: 9469

Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.4	83.4
61	47.5	23.5	63.5

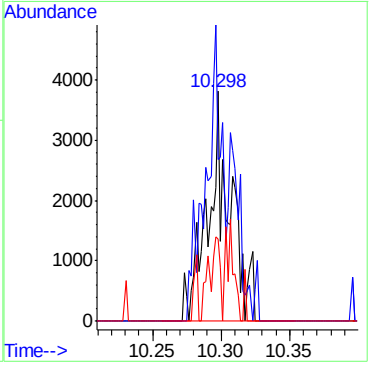


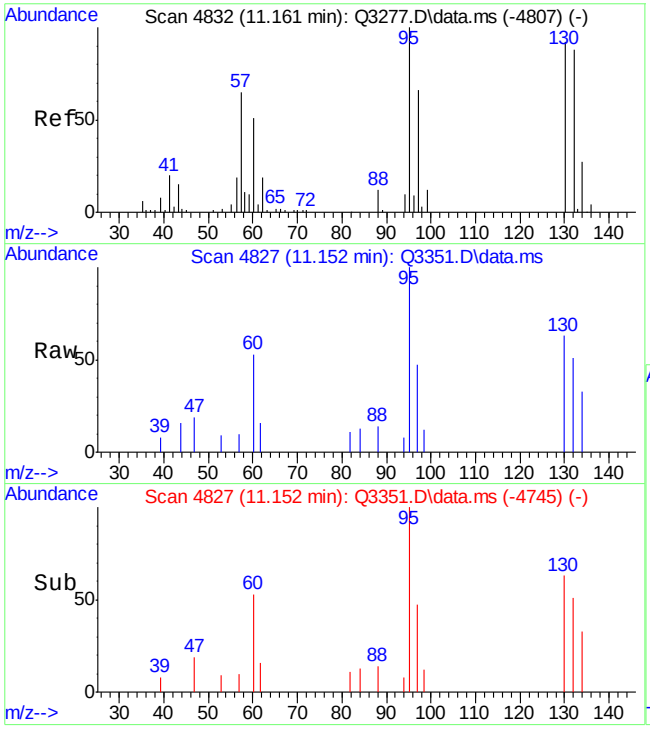


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV m
RT: 10.298 min Scan# 4346
Delta R.T. -0.007 min
Lab File: Q3351.D
Acq: 5 May 2007 11:00 am

Tgt Ion:117 Resp: 4303

Ion	Ratio	Lower	Upper
117	100		
119	89.1	75.6	115.6
121	4.2	10.5	50.5#

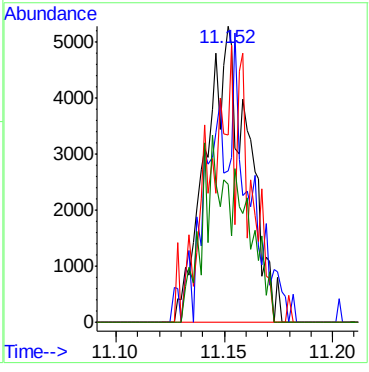


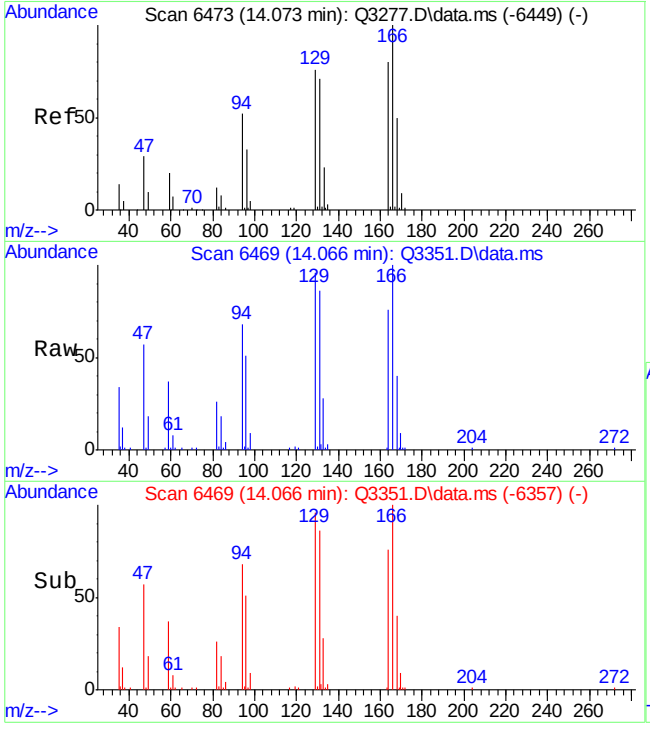


#38
TRICHLOROETHYLENE
Concen: 0.37 PPBV
RT: 11.152 min Scan# 4827
Delta R.T. -0.009 min
Lab File: Q3351.D
Acq: 5 May 2007 11:00 am

Tgt Ion: 95 Resp: 7181

Ion	Ratio	Lower	Upper
95	100		
132	83.7	70.2	110.2
130	84.3	72.7	112.7
97	35.2	45.2	85.2#

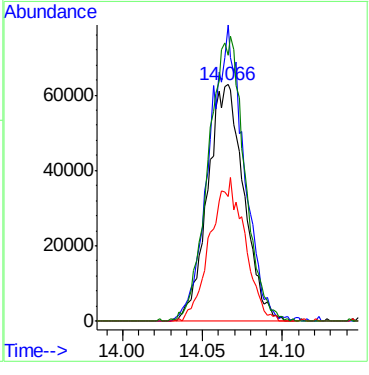




#51
TETRACHLOROETHYLENE
Concen: 6.45 PPBV
RT: 14.066 min Scan# 6469
Delta R.T. -0.007 min
Lab File: Q3351.D
Acq: 5 May 2007 11:00 am

Tgt Ion:164 Resp: 98288

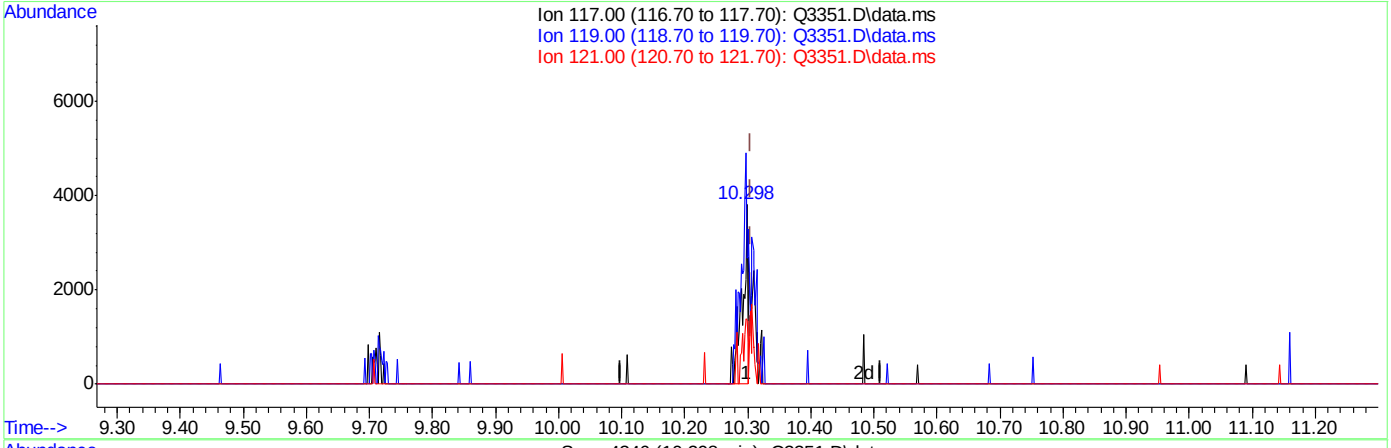
Ion	Ratio	Lower	Upper
164	100		
129	120.4	77.6	117.6#
168	57.7	41.2	81.2
131	120.6	72.6	112.6#

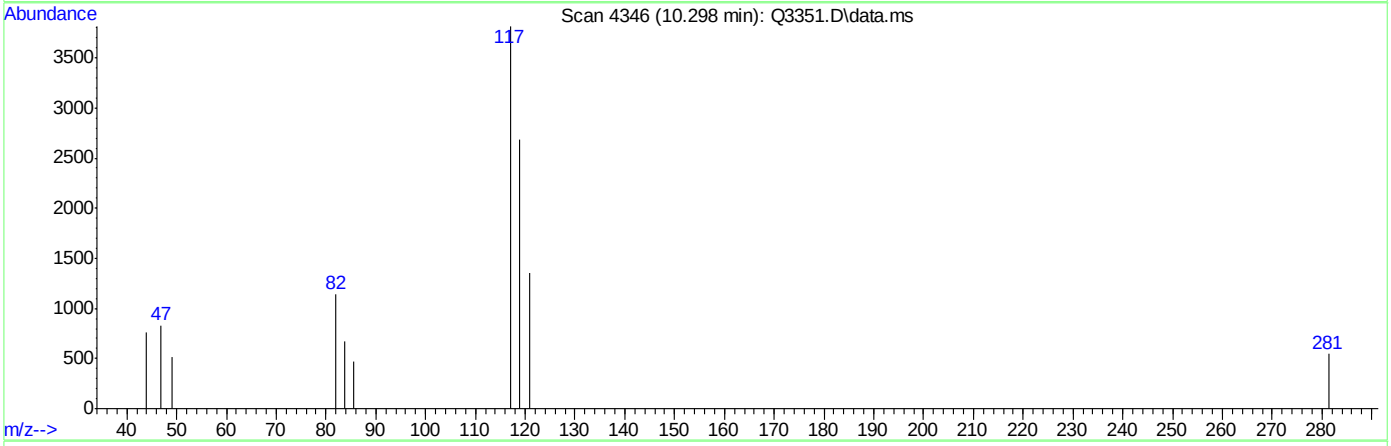


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3351.D
Acq On : 5 May 2007 11:00 am
Operator : PhilipB
Sample : M64501-8
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 05 11:26:49 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3351.D\data.ms

(33) CARBON TETRACHLORIDE (m)

10.298min (-0.007) 0.05PPBV

response 2364

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	162.18#
121.00	30.50	7.70#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/05/07 12:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3352.D
Acq On : 5 May 2007 11:45 am
Operator : PhilipB
Sample : M64501-9
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 12:15:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	150704	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.465	114	659968	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.712	117	534621	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	195376	4.70	PPBV	-0.01

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.00%

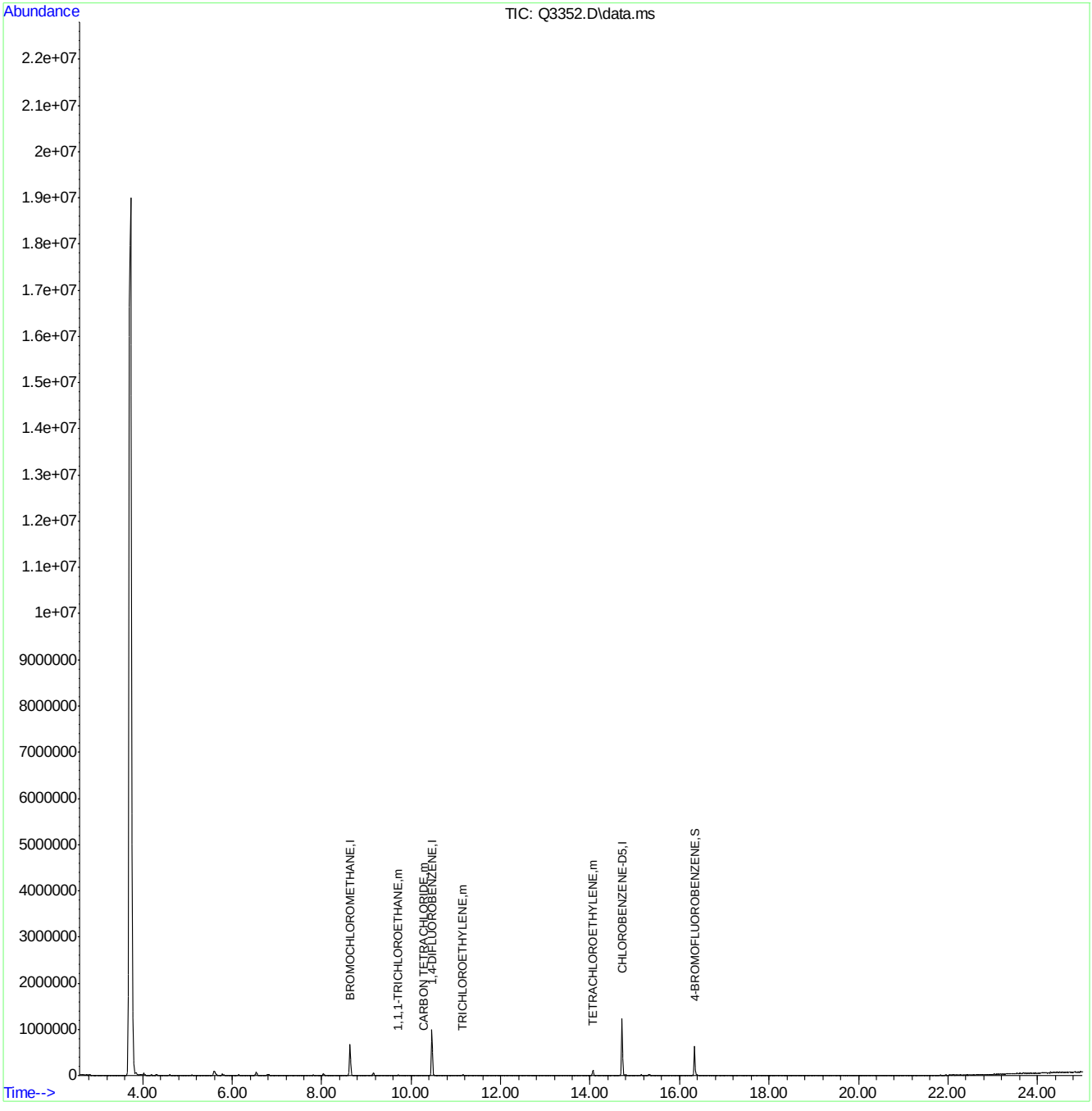
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.714	97	8344	0.22	PPBV #	69
33) CARBON TETRACHLORIDE	10.291	117	5131m	0.11	PPBV	
38) TRICHLOROETHYLENE	11.150	95	5221	0.29	PPBV #	87
51) TETRACHLOROETHYLENE	14.062	164	17354	1.23	PPBV #	74

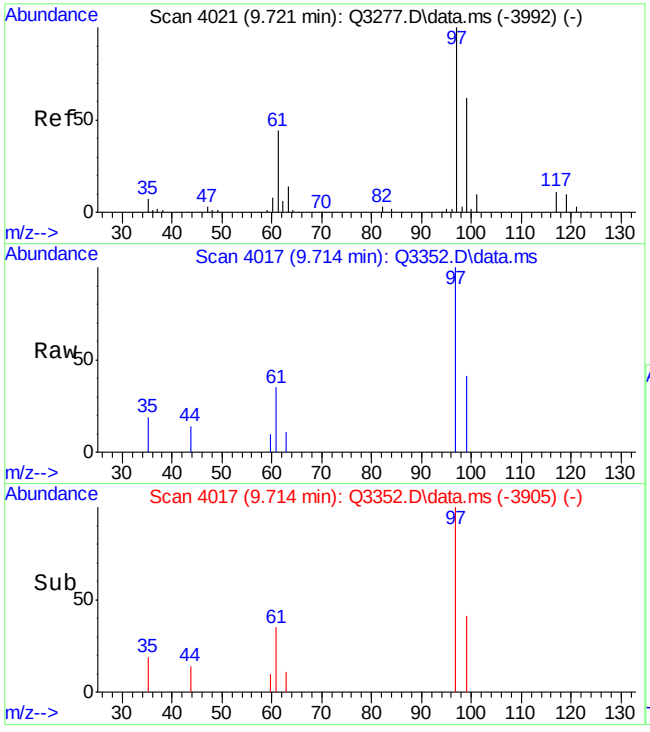
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3352.D
Acq On : 5 May 2007 11:45 am
Operator : PhilipB
Sample : M64501-9
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 12:15:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

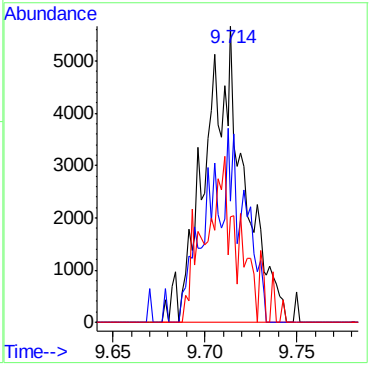


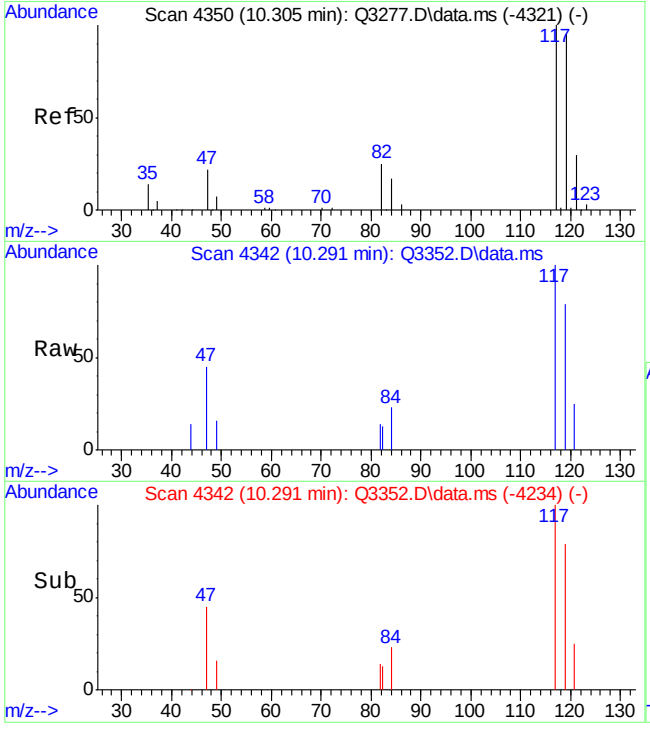


#32
1,1,1-TRICHLOROETHANE
Concen: 0.22 PPBV
RT: 9.714 min Scan# 4017
Delta R.T. -0.007 min
Lab File: Q3352.D
Acq: 5 May 2007 11:45 am

Tgt Ion: 97 Resp: 8344

Ion	Ratio	Lower	Upper
97	100		
99	33.0	43.4	83.4#
61	30.8	23.5	63.5

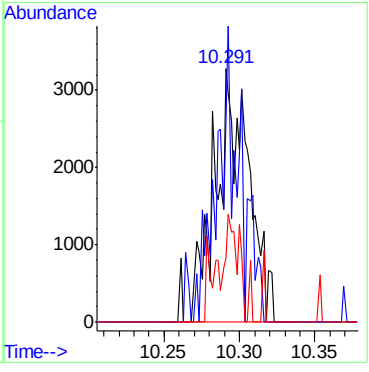




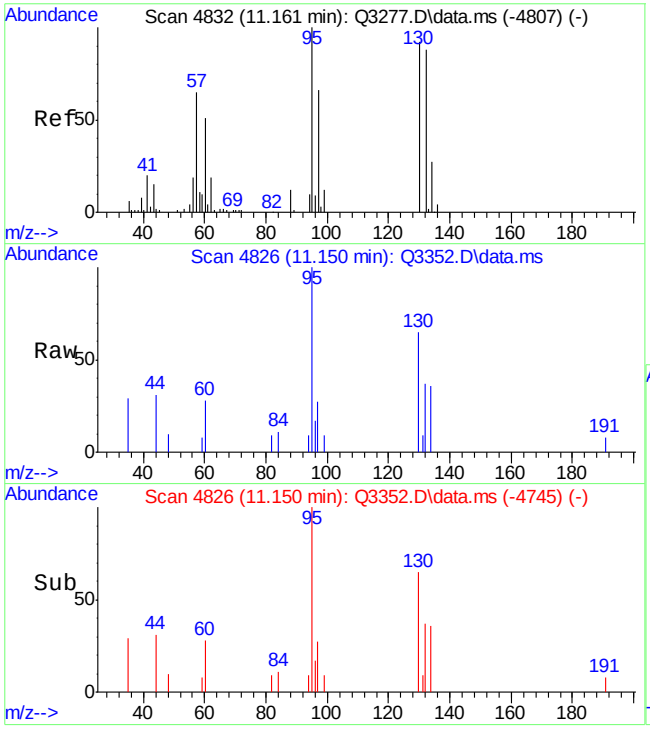
#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV m
RT: 10.291 min Scan# 4342
Delta R.T. -0.014 min
Lab File: Q3352.D
Acq: 5 May 2007 11:45 am

Tgt Ion:117 Resp: 5131

Ion	Ratio	Lower	Upper
117	100		
119	67.8	75.6	115.6#
121	26.9	10.5	50.5



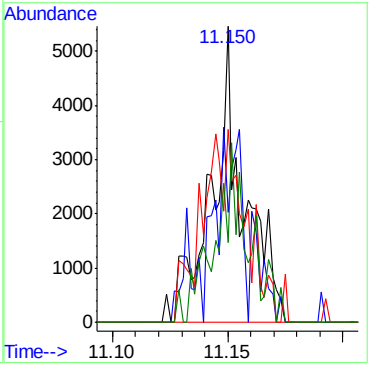
ACCUTEST Laboratories M64501

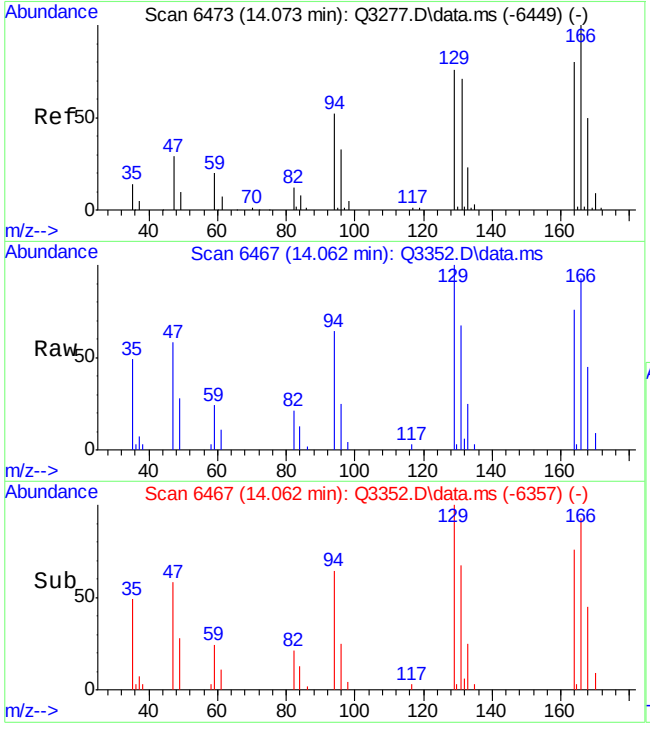


#38
TRICHLOROETHYLENE
Concen: 0.29 PPBV
RT: 11.150 min Scan# 4826
Delta R.T. -0.011 min
Lab File: Q3352.D
Acq: 5 May 2007 11:45 am

Tgt Ion: 95 Resp: 5221

Ion	Ratio	Lower	Upper
95	100		
132	63.8	70.2	110.2#
130	89.1	72.7	112.7
97	62.2	45.2	85.2

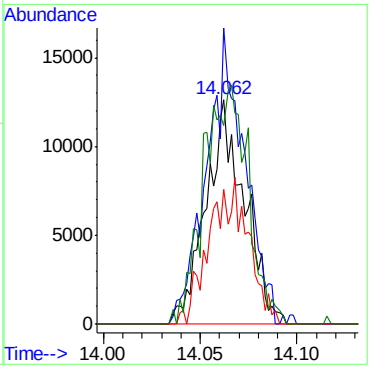




#51
TETRACHLOROETHYLENE
Concen: 1.23 PPBV
RT: 14.062 min Scan# 6467
Delta R.T. -0.011 min
Lab File: Q3352.D
Acq: 5 May 2007 11:45 am

Tgt Ion:164 Resp: 17354

Ion	Ratio	Lower	Upper
164	100		
129	129.7	77.6	117.6#
168	65.9	41.2	81.2
131	123.5	72.6	112.6#

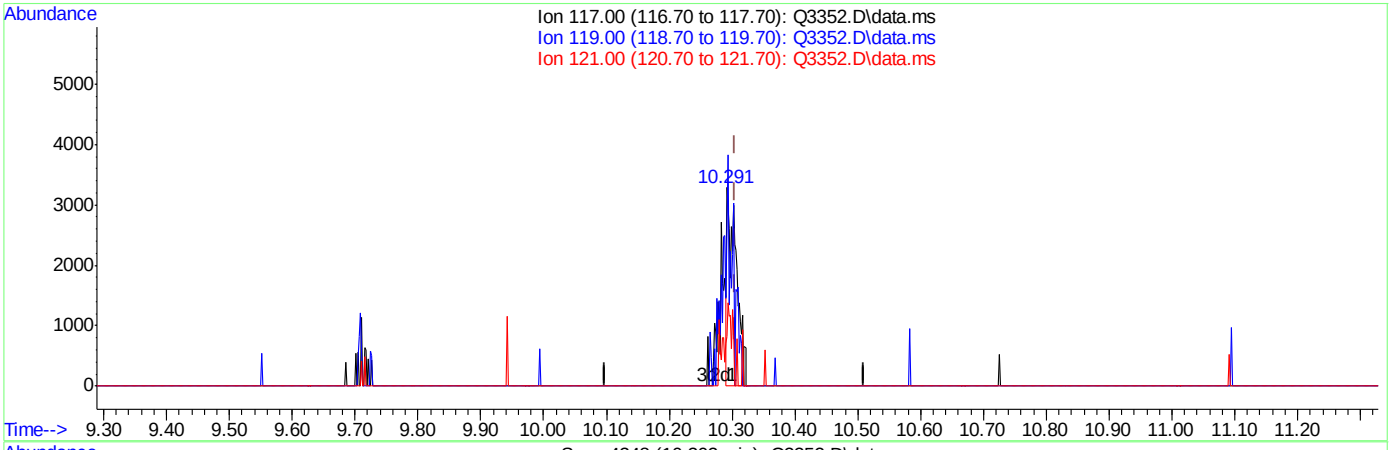


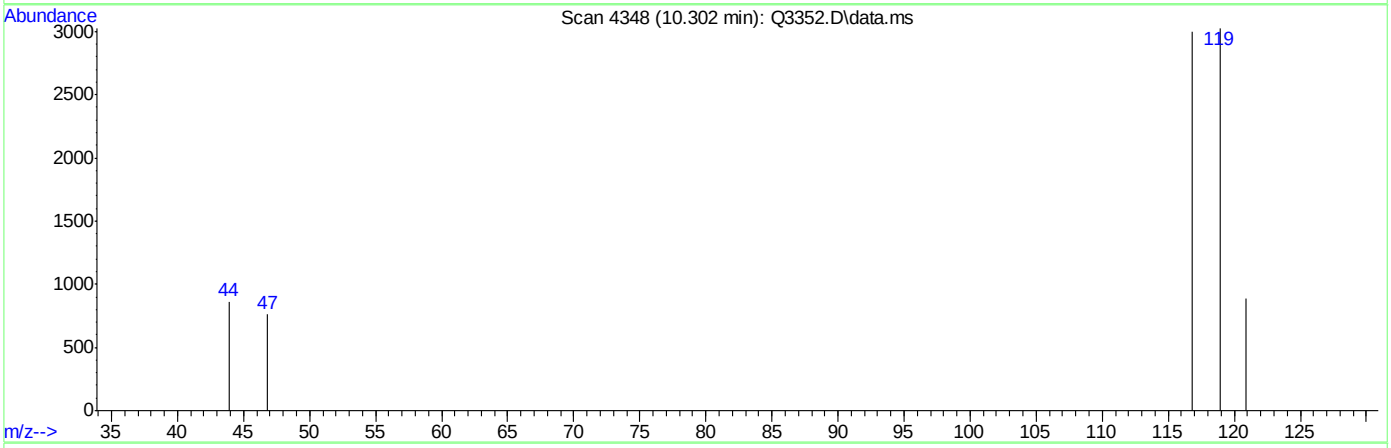
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3352.D
Acq On : 5 May 2007 11:45 am
Operator : PhilipB
Sample : M64501-9
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 12:12:36 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3352.D\data.ms

(33) CARBON TETRACHLORIDE (m)

10.302min (-0.003) 0.08PPBV

response 3420

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	101.78
121.00	30.50	40.32
0.00	0.00	0.00

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/05/07 13:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On : 4 May 2007 4:46 pm
Operator : PhilipB
Sample : MB (M116)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 04 17:12:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.646	128	140470	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.476	114	599693	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	459105m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	134906	3.78	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 75.60%

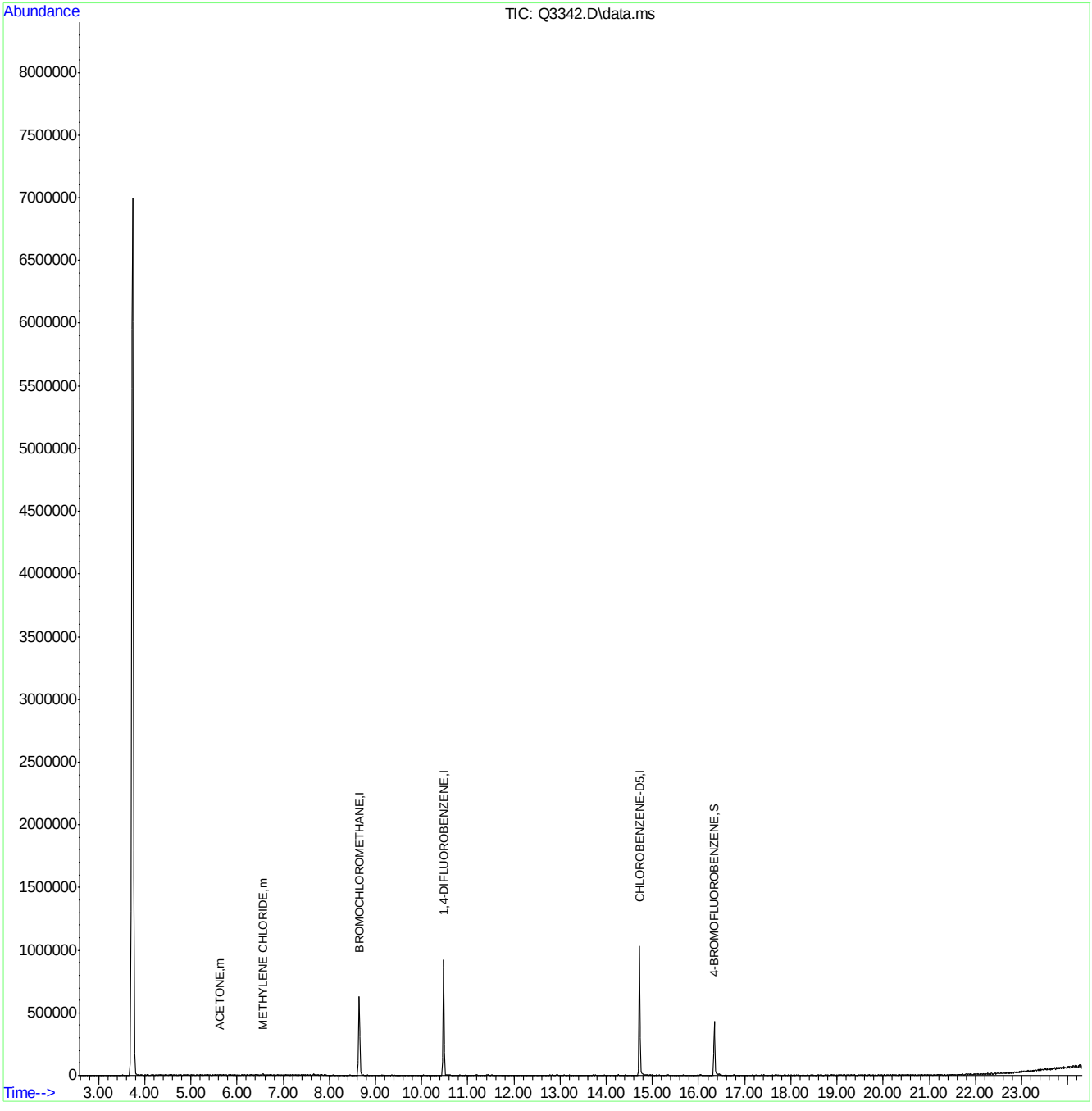
Target Compounds						Qvalue
12) ACETONE	5.625	43	6455m	0.81	PPBV	
18) METHYLENE CHLORIDE	6.559	84	2859m	0.14	PPBV	

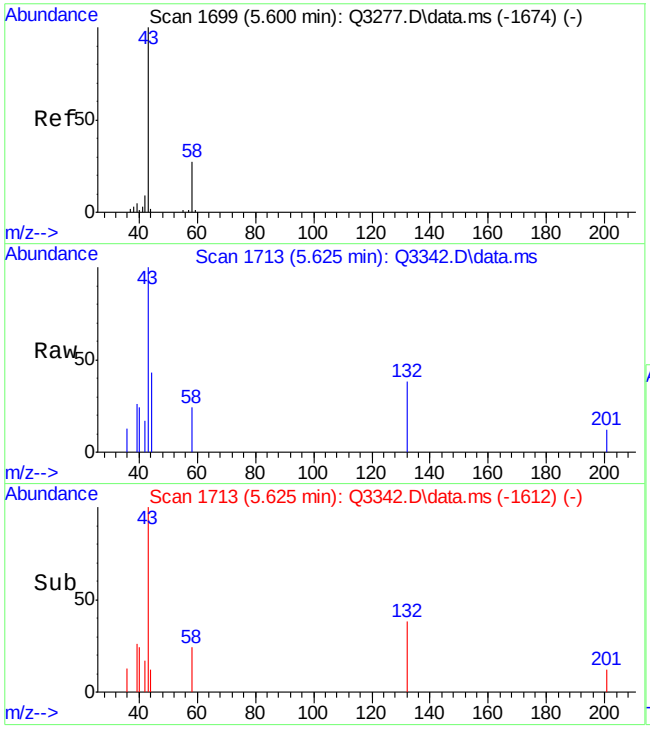
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On : 4 May 2007 4:46 pm
Operator : PhilipB
Sample : MB (M116)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 04 17:12:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

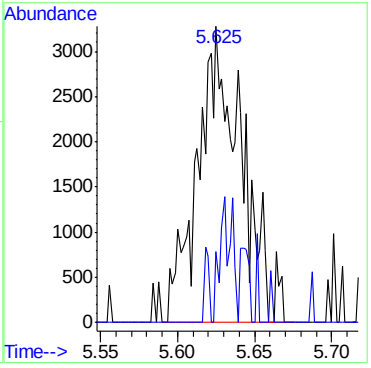


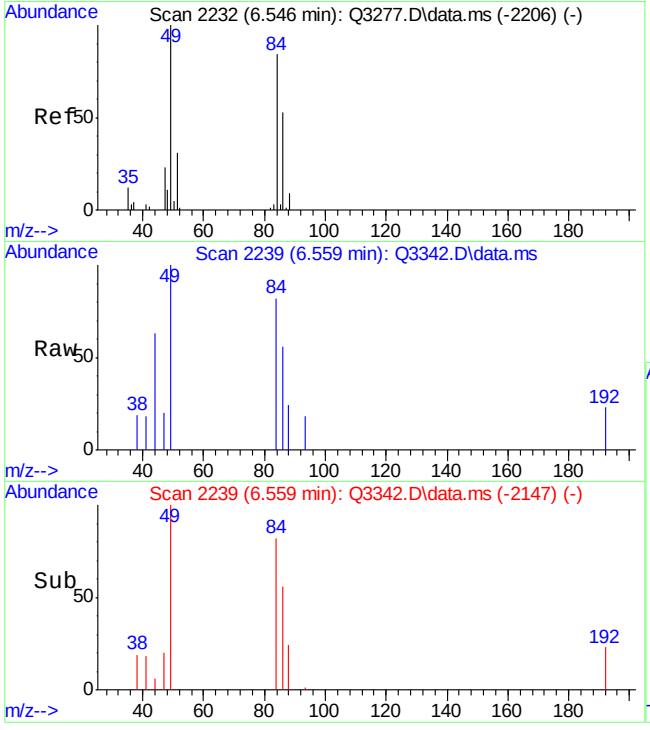


#12
ACETONE
Concen: 0.81 PPBV m
RT: 5.625 min Scan# 1713
Delta R.T. 0.025 min
Lab File: Q3342.D
Acq: 4 May 2007 4:46 pm

Tgt Ion: 43 Resp: 6455

Ion	Ratio	Lower	Upper
43	100		
58	19.4	5.4	45.4

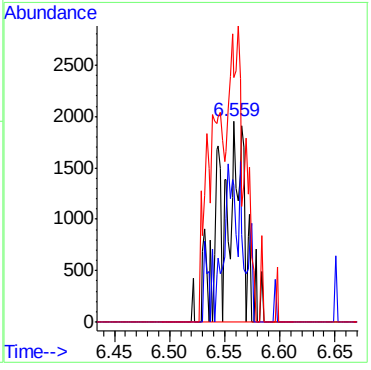




#18
METHYLENE CHLORIDE
Concen: 0.14 PPBV m
RT: 6.559 min Scan# 2239
Delta R.T. 0.013 min
Lab File: Q3342.D
Acq: 4 May 2007 4:46 pm

Tgt Ion: 84 Resp: 2859

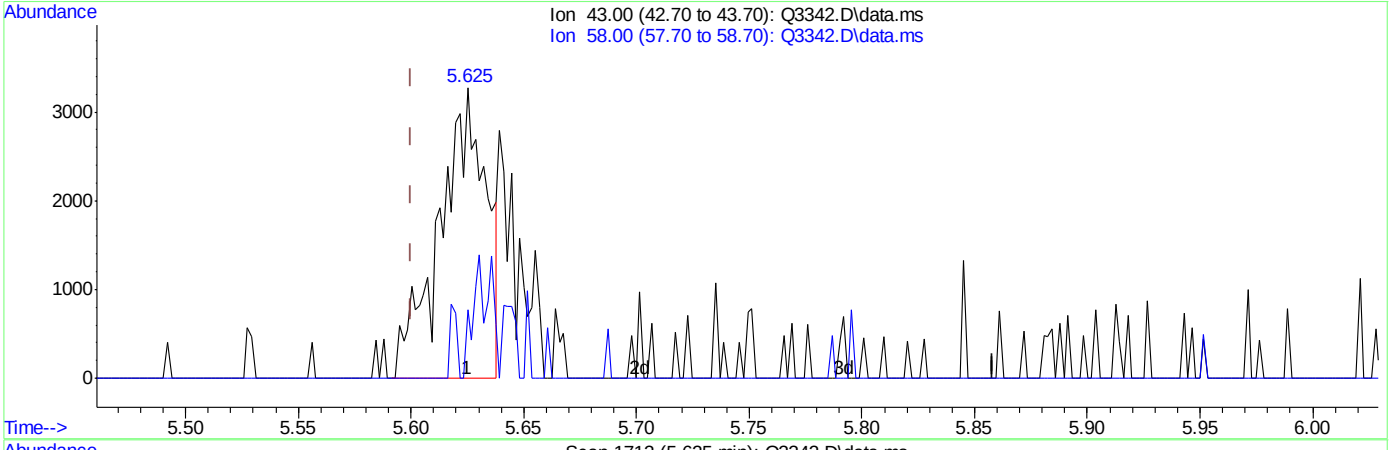
Ion	Ratio	Lower	Upper
84	100		
86	0.0	45.0	85.0#
49	78.7	0.0	318.8

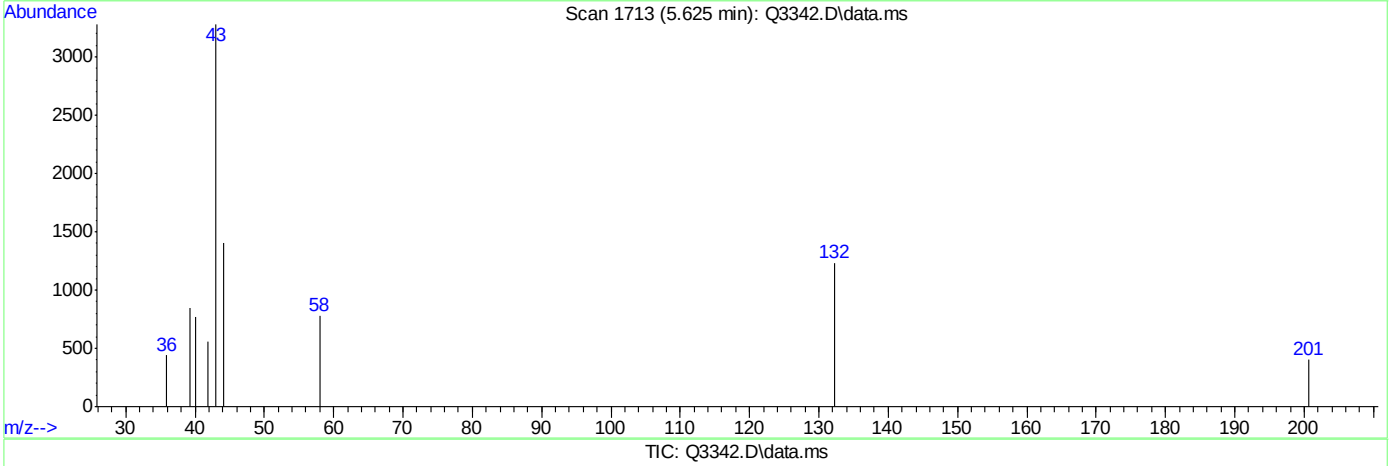


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On    :  4 May 2007   4:46 pm
Operator  : PhilipB
Sample    : MB (M116)
Misc      : MS13500,MSQ181,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 04 17:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
```



TIC: Q3342.D\data.ms

(12) ACETONE (m)

5.625min (+0.025) 0.74PPBV

response 4623

Ion	Exp%	Act%
43.00	100	100
58.00	25.40	27.06
0.00	0.00	0.00
0.00	0.00	0.00

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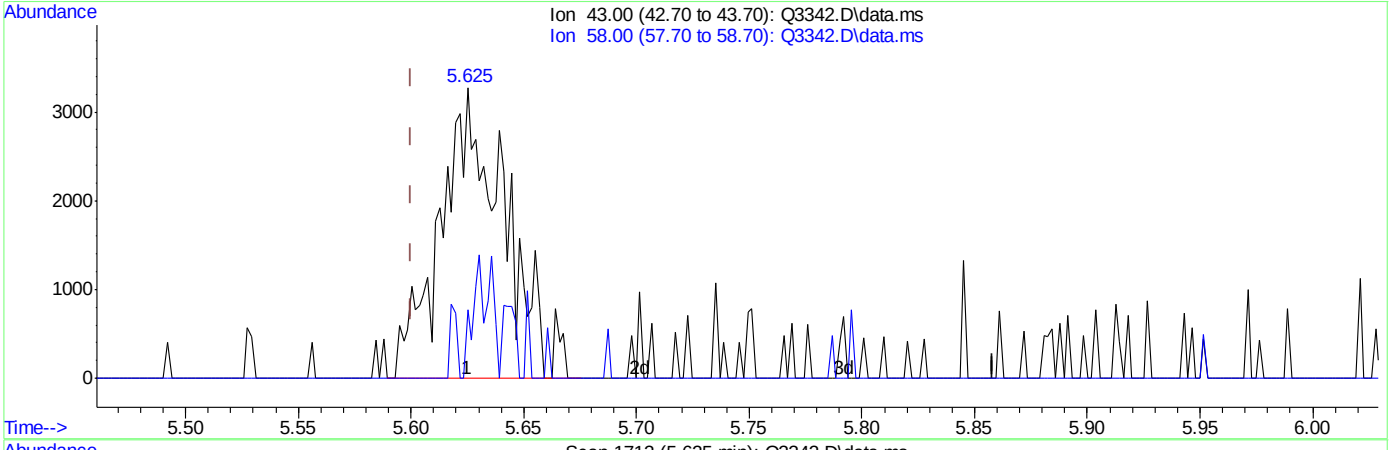
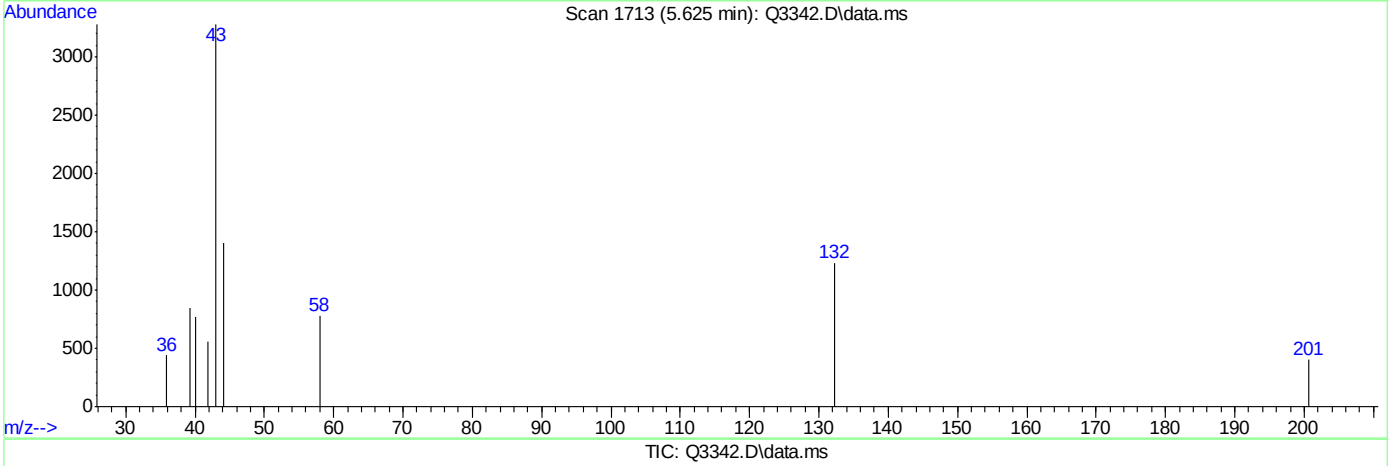
M64501

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On    :  4 May 2007   4:46 pm
Operator  : PhilipB
Sample    : MB (M116)
Misc      : MS13500,MSQ181,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 04 17:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
```



TIC: Q3342.D\data.ms

(12) ACETONE (m)

5.625min (+0.025) 0.81PPBV m

response 6455

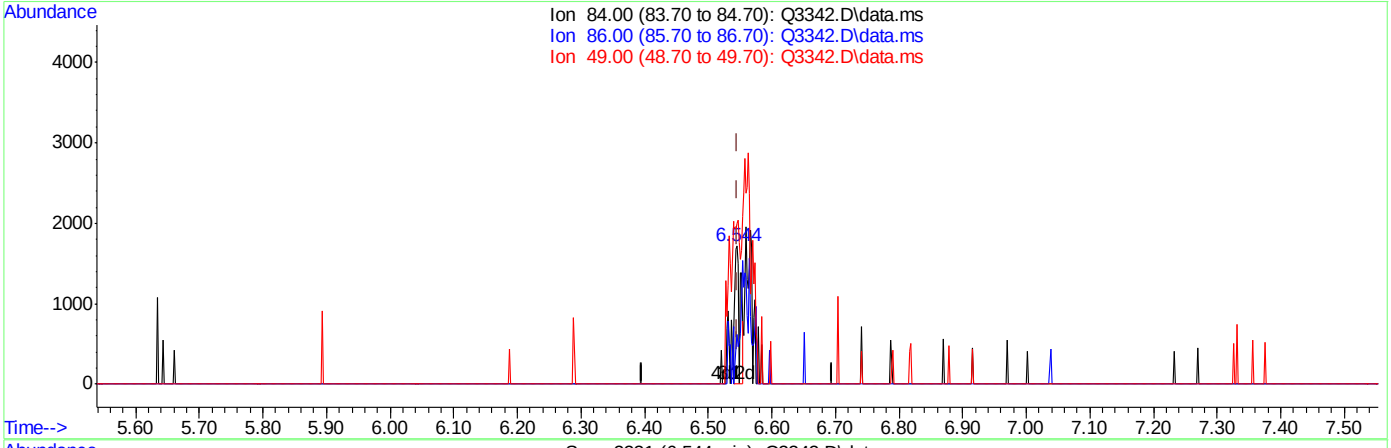
Ion	Exp%	Act%
43.00	100	100
58.00	25.40	19.38
0.00	0.00	0.00
0.00	0.00	0.00

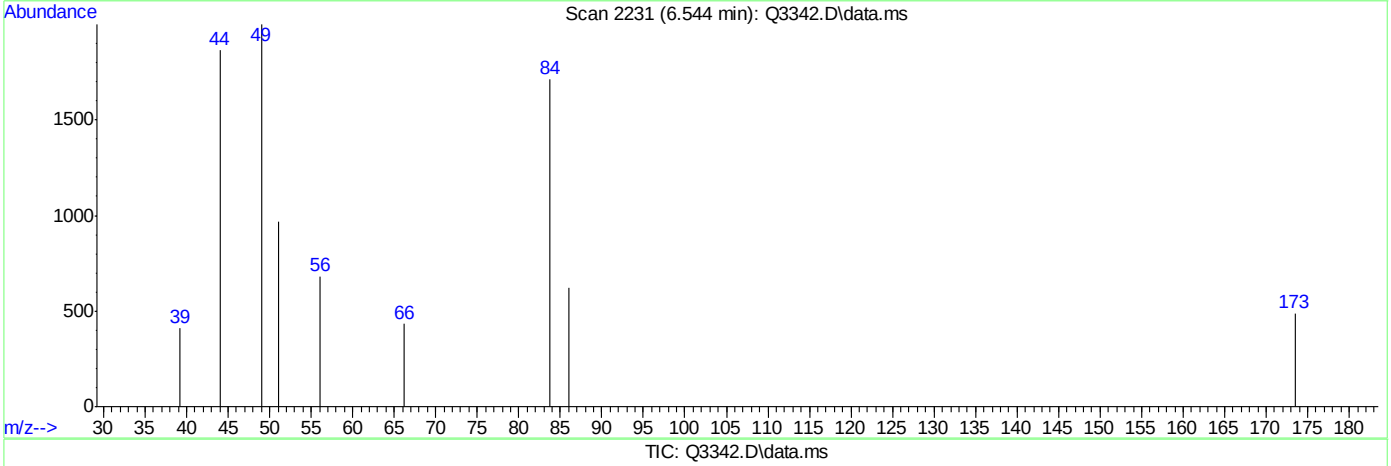
ACCUTEST Laboratories
M64501

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On    :  4 May 2007   4:46 pm
Operator  : PhilipB
Sample    : MB (M116)
Misc      : MS13500,MSQ181,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 04 17:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
```



TIC: Q3342.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.544min (-0.002) 0.05PPBV

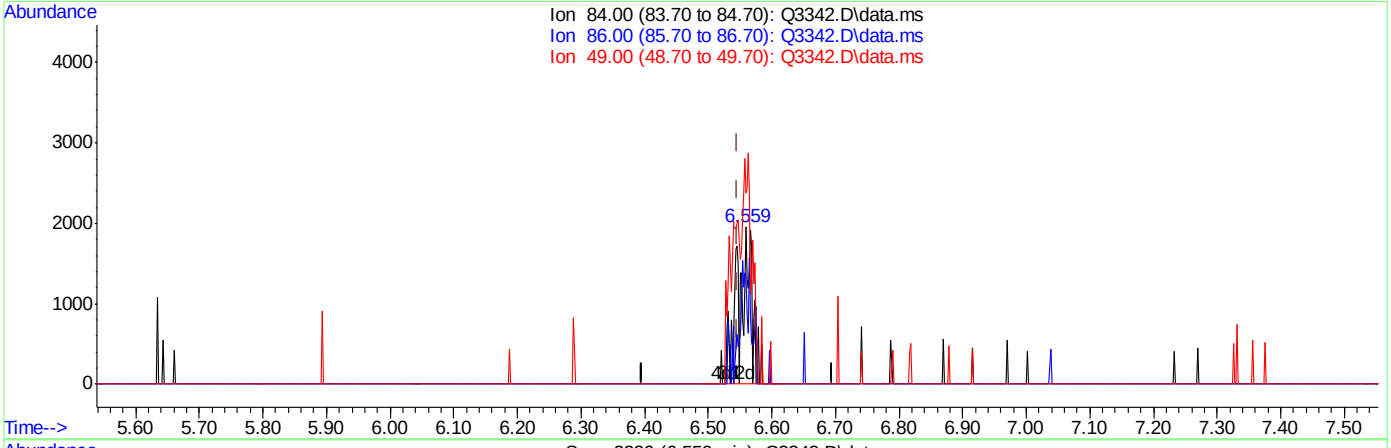
response 970

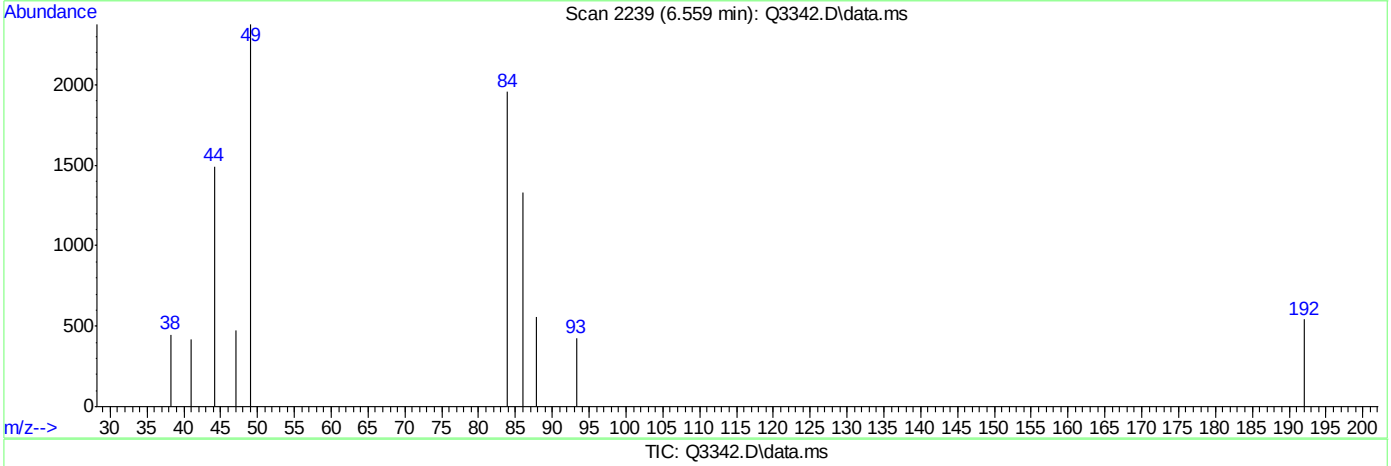
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	0.00#
49.00	118.80	231.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On : 4 May 2007 4:46 pm
Operator : PhilipB
Sample : MB (M116)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 04 17:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3342.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.559min (+0.013) 0.14PPBV m

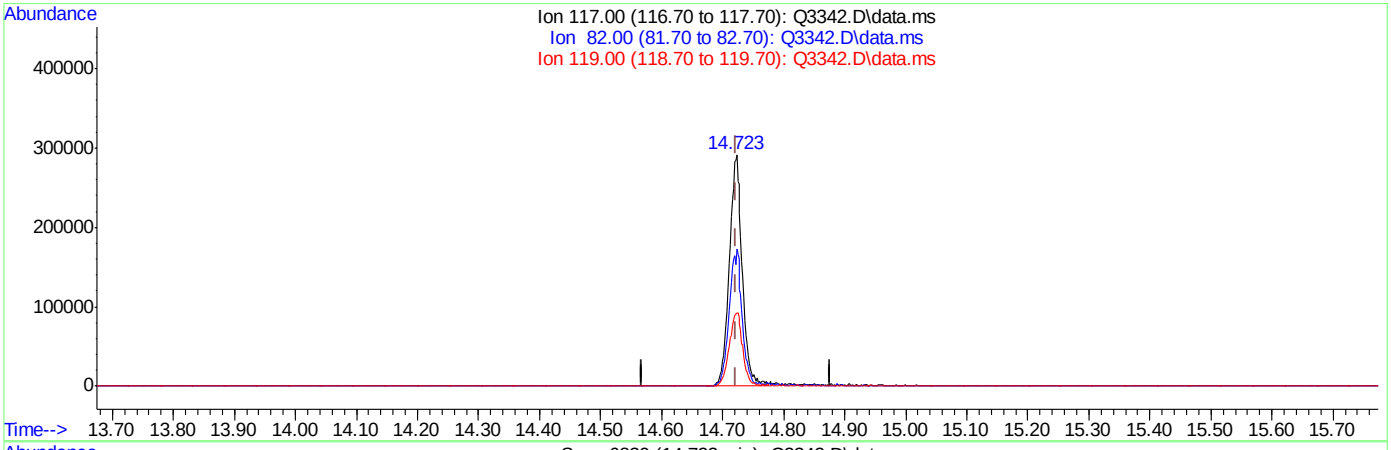
response 2859

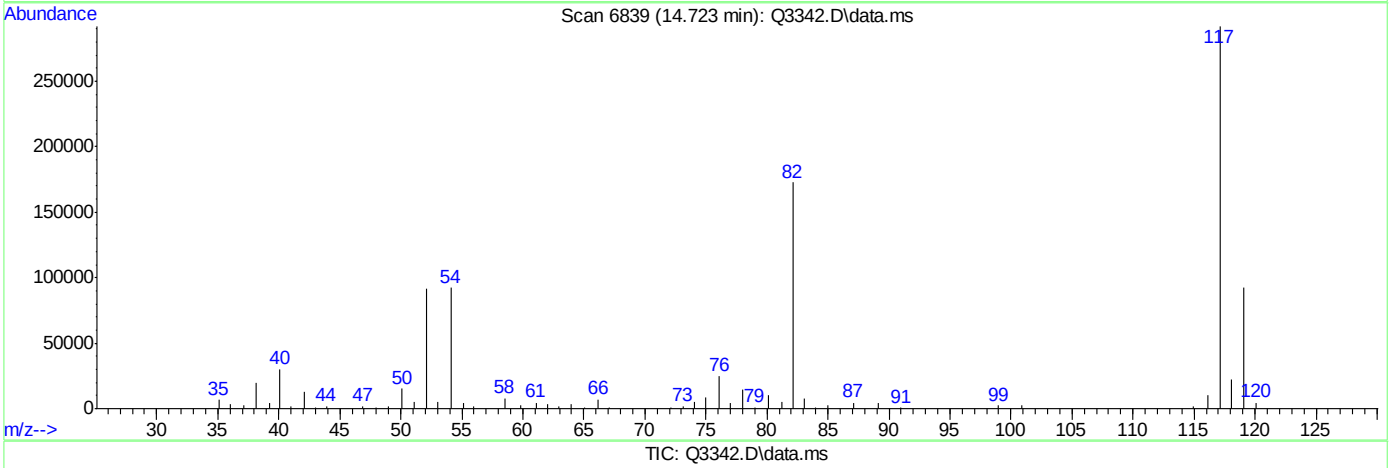
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	0.00#
49.00	118.80	78.66
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On    :  4 May 2007   4:46 pm
Operator  : PhilipB
Sample    : MB (M116)
Misc      : MS13500,MSQ181,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 04 17:11:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
```



(49) CHLOROBENZENE-D5 (I)

14.723min (+0.000) 10.00PPBV

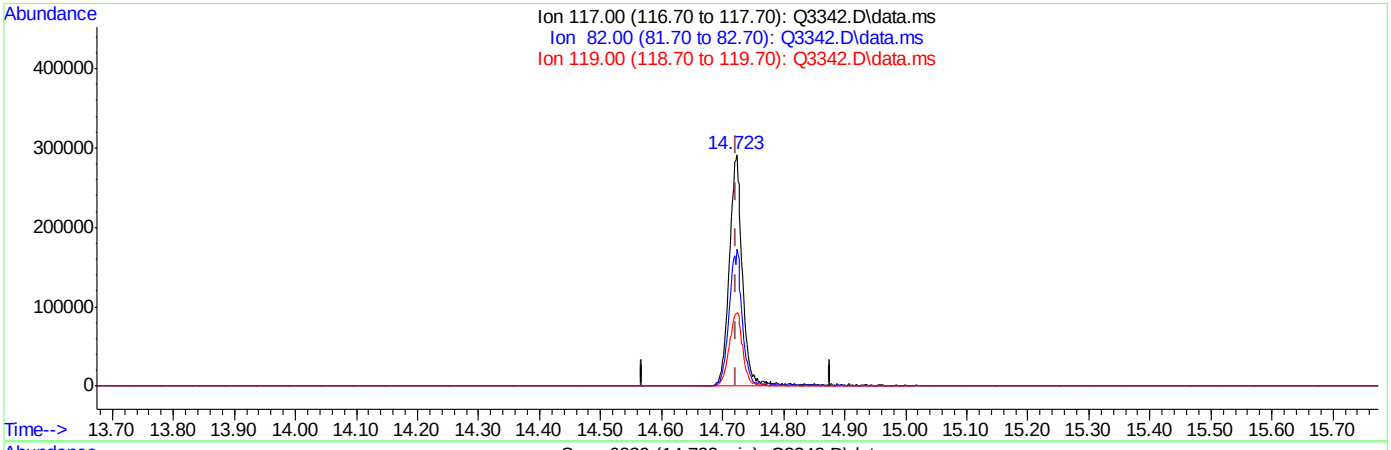
response 436853

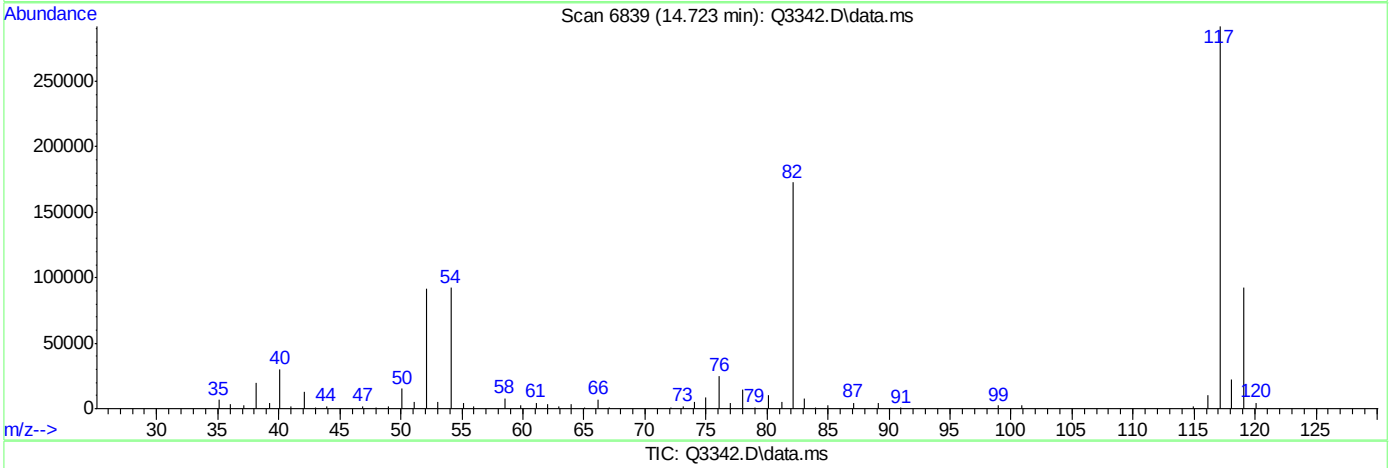
Ion	Exp%	Act%
117.00	100	100
82.00	57.00	59.83
119.00	32.10	33.44
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3342.D
Acq On    :  4 May 2007   4:46 pm
Operator  : PhilipB
Sample    : MB (M116)
Misc      : MS13500,MSQ181,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 04 17:11:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
```



(49) CHLOROBENZENE-D5 (I)

14.723min (+0.000) 10.00PPBV m

response 459105

Ion	Exp%	Act%
117.00	100	100
82.00	57.00	56.93
119.00	32.10	31.82
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9975.D
Acq On : 10 Apr 2007 3:28 pm
Operator : PhilipB
Sample : MB (M049)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 09:03:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.59	128	374779	10.00	PPBV	-0.04
35) 1,4-DIFLUOROBENZENE	10.41	114	910289	10.00	PPBV	-0.04
49) CHLOROBENZENE-D5	14.65	117	732157	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	165393	3.77	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 75.40%

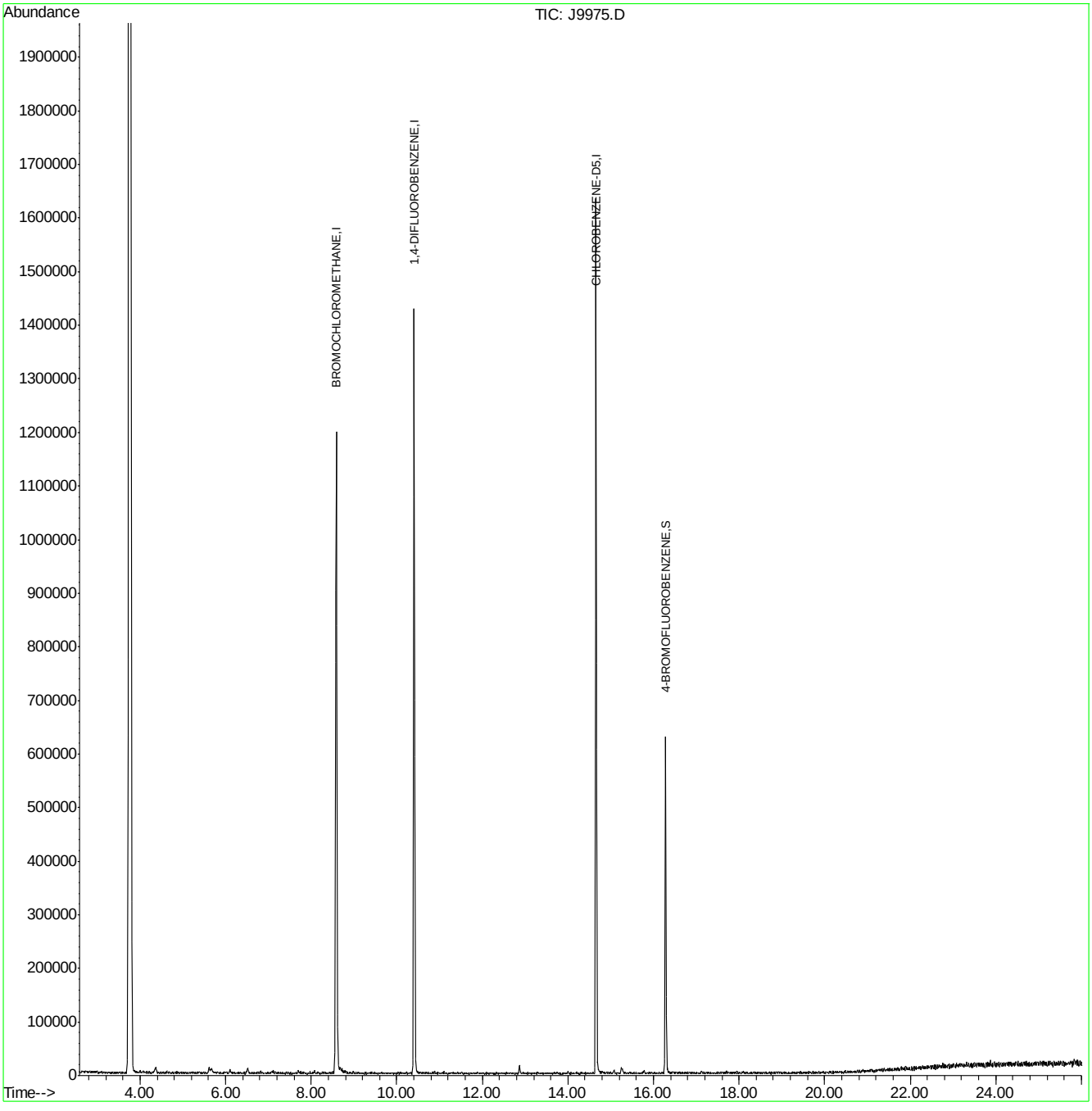
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9975.D
Acq On : 10 Apr 2007 3:28 pm
Operator : PhilipB
Sample : MB (M049)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 09:03:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M64501

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 84.00%

Target Compounds	Qvalue

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

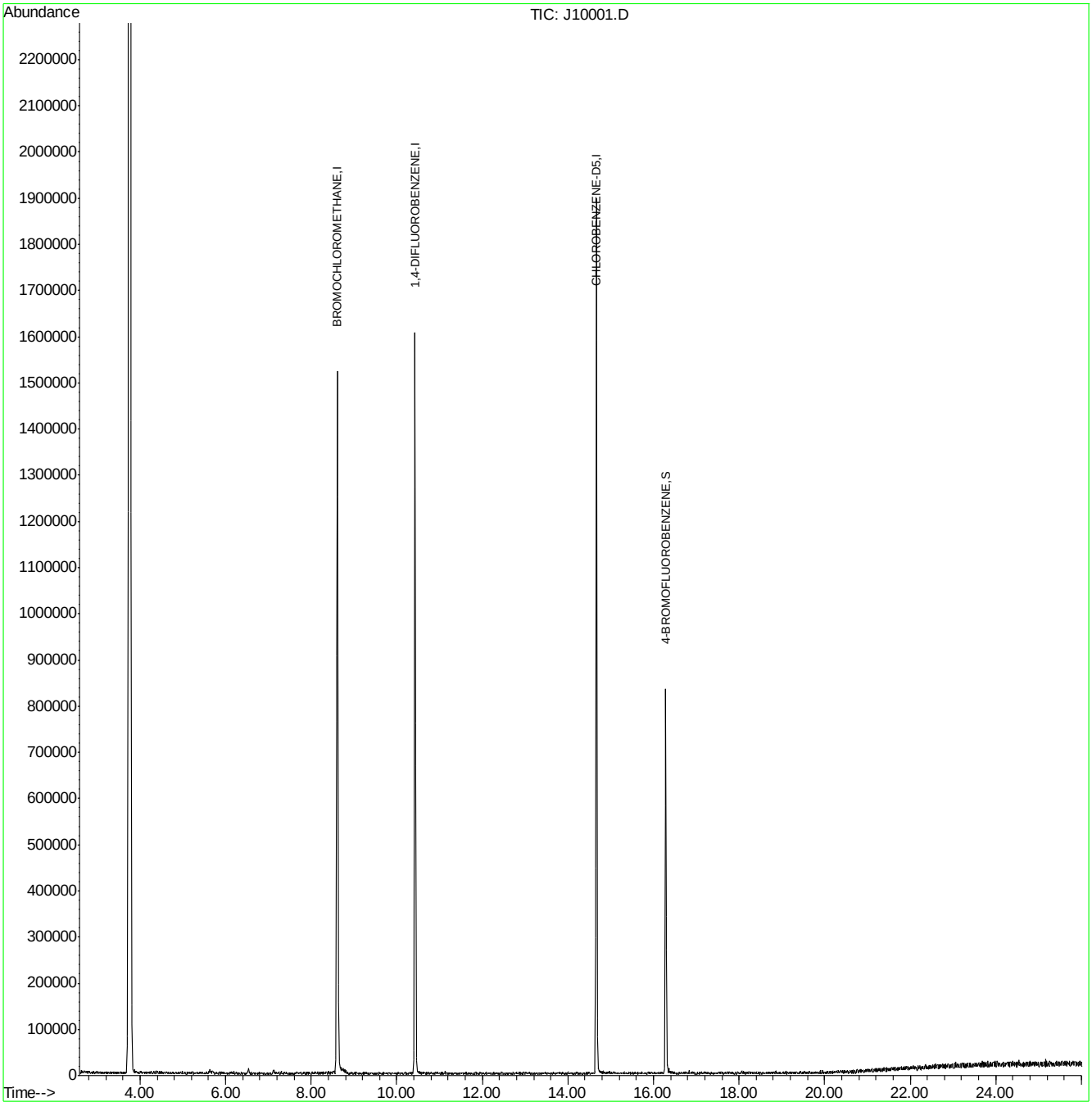
6.2.3

6

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10019.D
Acq On : 13 Apr 2007 11:20 am
Operator : PhilipB
Sample : MB (M138)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 13:41:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	377149	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	816029	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	680714	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	162502	3.99	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 79.80%

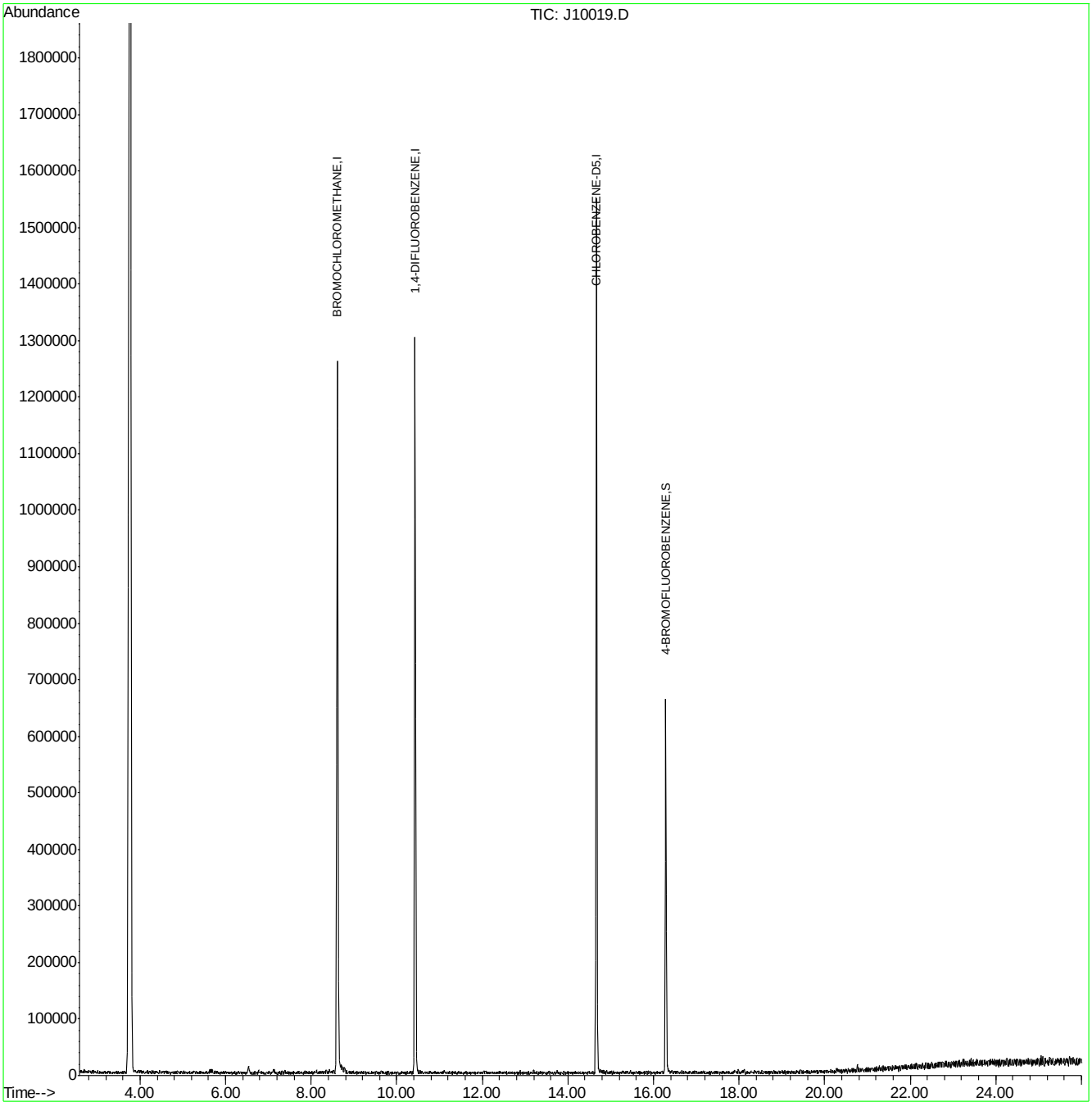
Target Compounds					Qvalue
12) ACETONE	5.69	43	2184	Below Cal	77

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10019.D
Acq On : 13 Apr 2007 11:20 am
Operator : PhilipB
Sample : MB (M138)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 13:41:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



J040507T.M Fri Apr 13 13:41:34 2007 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/22/07 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341B.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:59:39 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	186085	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	801024	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	676596	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	276214	5.25	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	672147	8.77	PPBV		97
3) PROPYLENE	3.966	41	132995	9.18	PPBV		90
4) FREON 114	4.299	85	570614	8.76	PPBV		99
5) CHLOROMETHANE	4.196	50	146222	8.91	PPBV		94
6) VINYL CHLORIDE	4.422	62	156741	8.31	PPBV		98
7) 1,3-BUTADIENE	4.566	39	167502	9.33	PPBV	#	74
8) BROMOMETHANE	4.839	94	175101	9.44	PPBV		100
9) CHLOROETHANE	5.016	64	64281	9.67	PPBV		86
10) TRICHLOROFLUOROMETHANE	5.794	101	815000	9.40	PPBV		98
11) ISOPROPYL ALCOHOL	5.829	45	281453	9.02	PPBV		94
12) ACETONE	5.604	43	293120	9.11	PPBV		87
13) PENTANE	6.149	42	176889	9.59	PPBV		91
14) 1,1-DICHLOROETHYLENE	6.433	96	158553	10.65	PPBV	#	67
15) CARBON DISULFIDE	6.864	76	469851	9.61	PPBV		80
16) ETHANOL	5.091	45	49596m	9.53	PPBV		
17) BROMOETHENE	5.373	106	167331	8.25	PPBV	#	94
18) METHYLENE CHLORIDE	6.548	84	298690	10.66	PPBV		63
19) 3-CHLOROPROPENE	6.663	39	208048	10.38	PPBV	#	79
20) FREON 113	6.804	151	368045	10.01	PPBV		91
21) TRANS-1,2-DICHLOROETHY...	7.474	96	154314	9.42	PPBV	#	78
22) TERTIARY BUTYL ALCOHOL	6.438	59	330535	9.42	PPBV		81
23) METHYL TERTIARY BUTYL ...	7.714	73	348125	10.15	PPBV		79
24) TETRAHYDROFURAN	9.146	42	115565	8.54	PPBV		86
25) HEXANE	8.676	57	227777	8.52	PPBV	#	81
26) VINYL ACETATE	7.794	43	325229	9.89	PPBV		88
27) 1,1-DICHLOROETHANE	7.671	63	296052	9.46	PPBV		98
28) METHYL ETHYL KETONE	8.039	43	252622	8.37	PPBV		95
29) cis-1,2-DICHLOROETHYLENE	8.481	96	122385	8.18	PPBV		98
30) ETHYL ACETATE	8.671	43	458671	8.45	PPBV		98
31) CHLOROFORM	8.763	83	361841	8.18	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.716	97	366347	7.86	PPBV		98
33) CARBON TETRACHLORIDE	10.305	117	457933	8.16	PPBV		95
34) 1,2-DICHLOROETHANE	9.471	62	200934	7.55	PPBV		97
36) BENZENE	10.160	78	298166	7.97	PPBV		99
37) CYCLOHEXANE	10.424	84	138257	9.29	PPBV		98
38) TRICHLOROETHYLENE	11.157	95	189674	8.53	PPBV		94
39) 1,2-DICHLOROPROPANE	10.937	63	108412	8.11	PPBV		96
40) BROMODICHLOROMETHANE	11.118	83	322261	8.73	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	548080	8.90	PPBV		95
42) 1,4-DIOXANE	11.146	88	61712	9.06	PPBV		92
43) HEPTANE	11.420	43	220061	9.39	PPBV		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341B.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:59:39 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

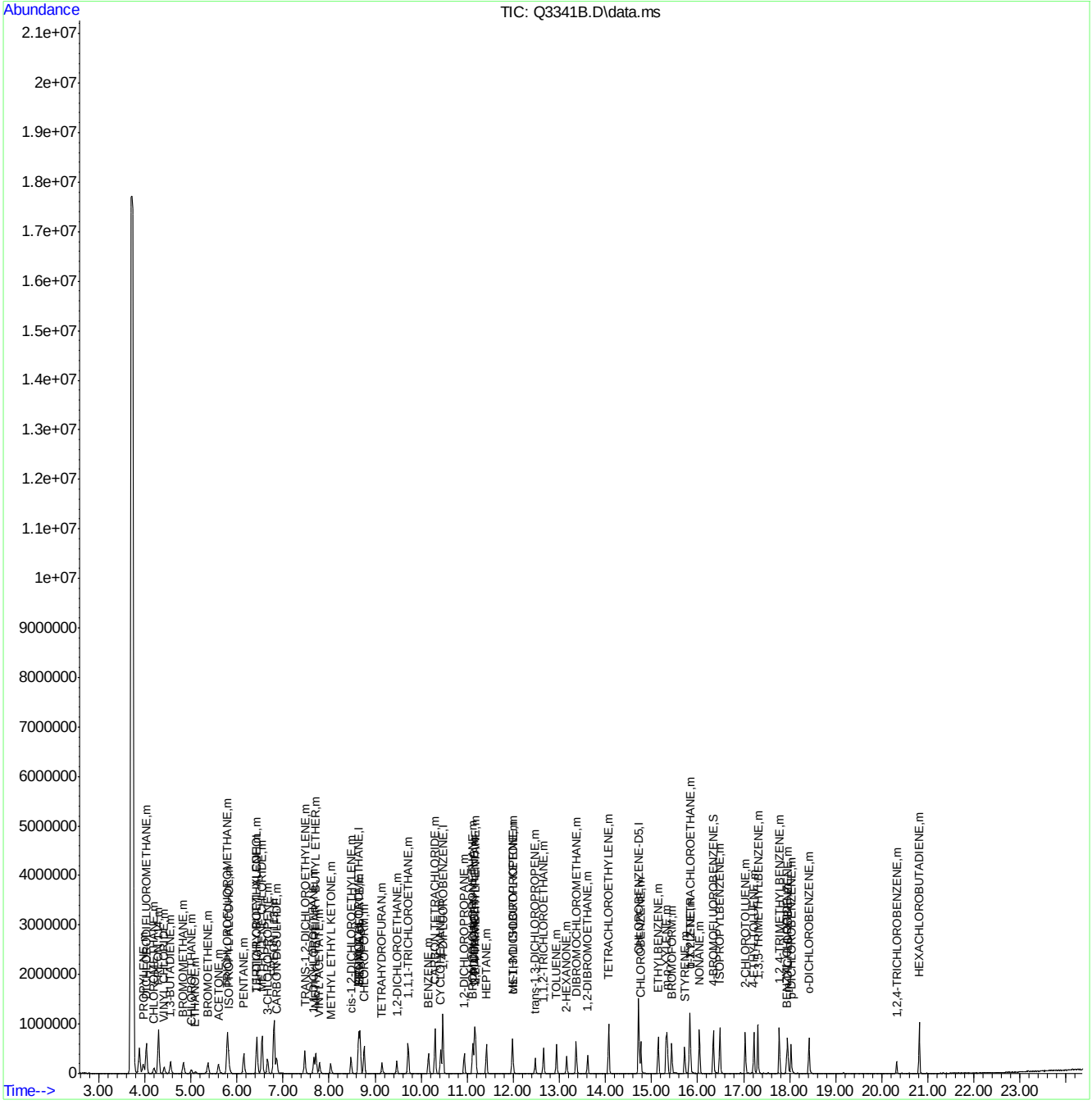
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	302300	9.71	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.975	75	172793	8.50	PPBV #	72
46) TOLUENE	12.935	92	205476	8.82	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.474	75	129477	10.19	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.660	83	118264	8.50	PPBV	98
50) 2-HEXANONE	13.155	43	228838	9.34	PPBV	90
51) TETRACHLOROETHYLENE	14.071	164	154040	8.62	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.365	129	300201	8.46	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	205596	8.03	PPBV	99
54) CHLOROBENZENE	14.767	112	283566	8.08	PPBV	97
55) ETHYLBENZENE	15.149	91	461371	8.61	PPBV	97
56) m,p-XYLENE	15.324	106	365524m	17.70	PPBV	
57) o-XYLENE	15.841	106	184649	8.99	PPBV	97
58) STYRENE	15.720	104	220322	10.54	PPBV	97
59) NONANE	16.041	43	319136	9.59	PPBV	92
60) BROMOFORM	15.438	173	237525	9.67	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	307427	7.95	PPBV	97
63) ISOPROPYLBENZENE	16.485	105	531230	9.48	PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	402236	9.59	PPBV	97
65) 4-ETHYLTOLUENE	17.229	105	443018	10.54	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	464370	9.75	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	432454	10.43	PPBV	98
68) m-DICHLOROBENZENE	17.956	146	230987	9.17	PPBV	97
69) BENZYL CHLORIDE	17.933	91	208763	10.42	PPBV	98
70) p-DICHLOROBENZENE	18.029	146	181112	8.27	PPBV	97
71) o-DICHLOROBENZENE	18.418	146	226773	8.12	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	107969	14.75	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	45195	13.04	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341B.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:59:39 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

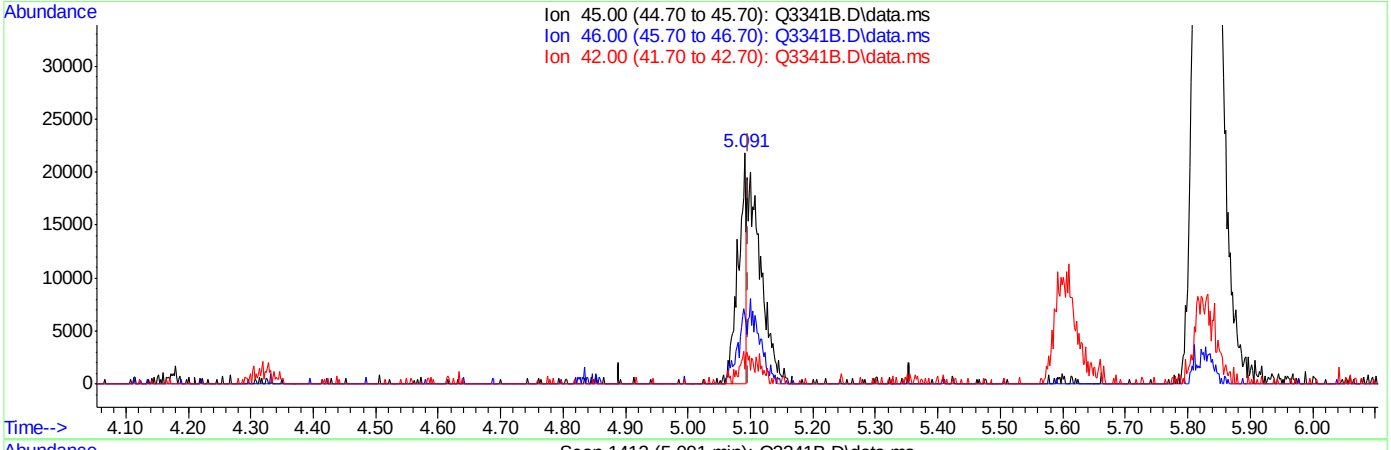


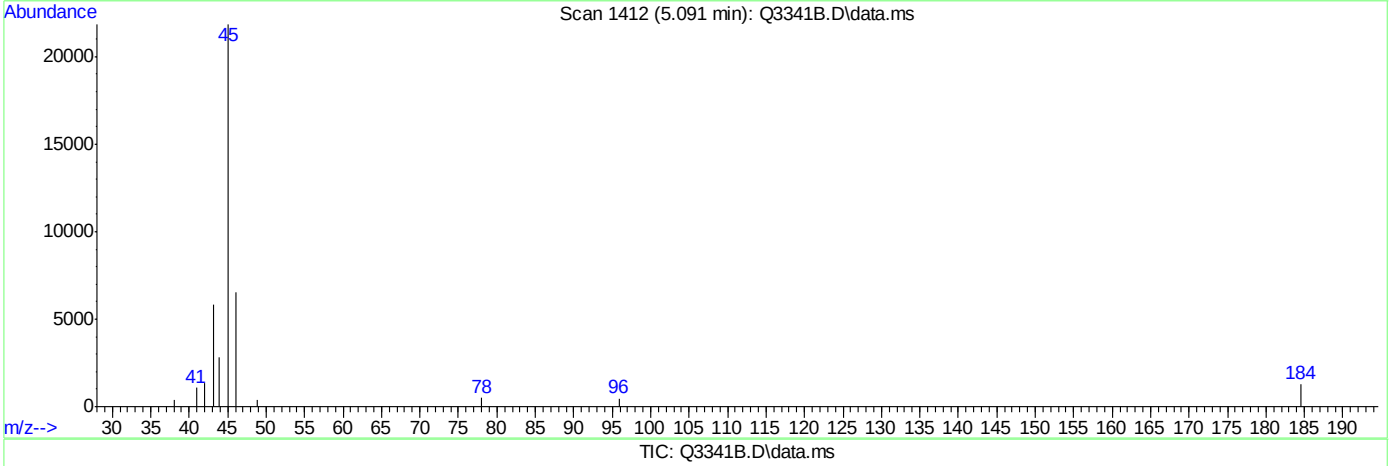
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341B.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:59:16 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341B.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 3.74PPBV

response 18480

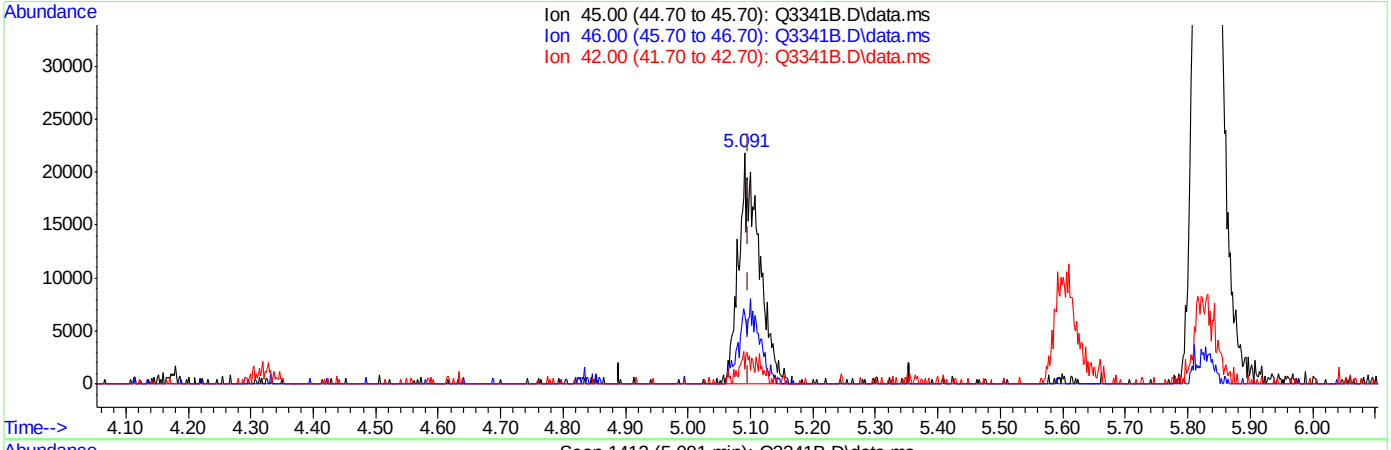
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	91.35#
42.00	4.60	16.94
0.00	0.00	0.00

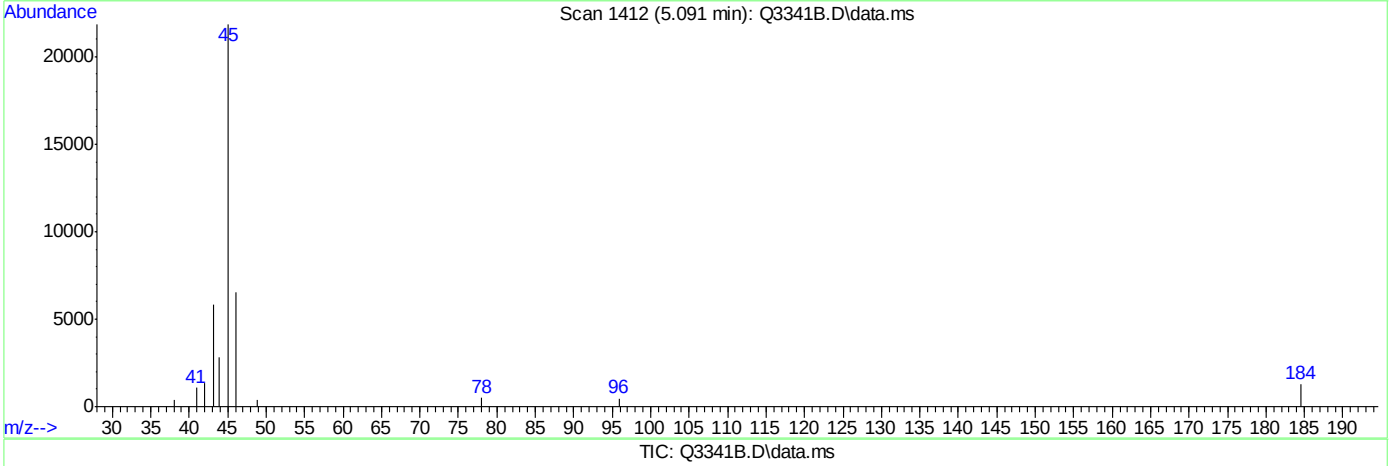
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341B.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:59:16 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341B.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 9.53PPBV m

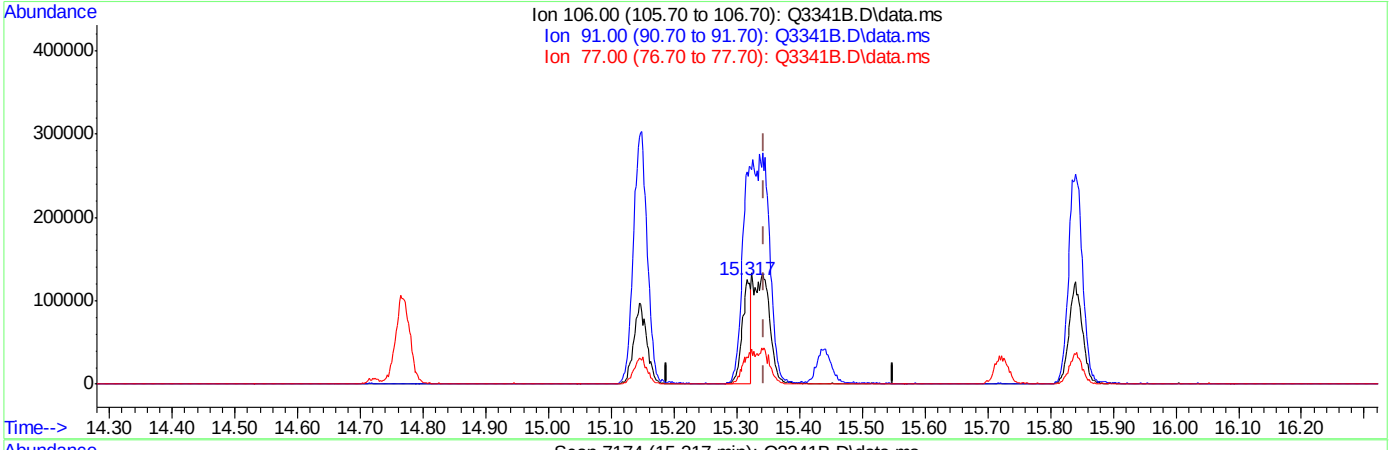
response 49596

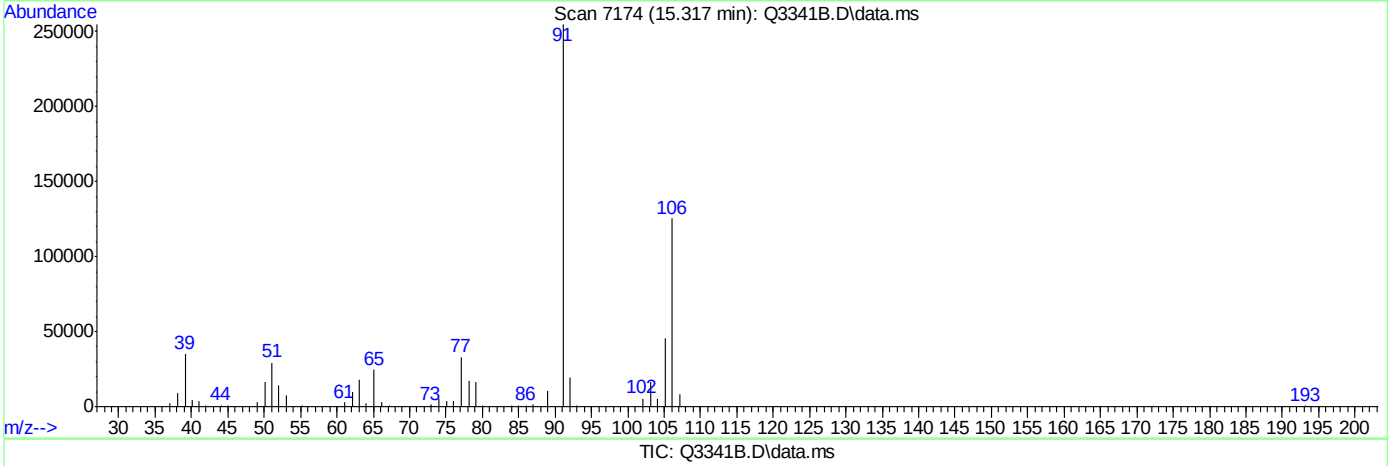
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	34.04
42.00	4.60	6.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341B.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:59:16 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341B.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.027) 5.87PPBV

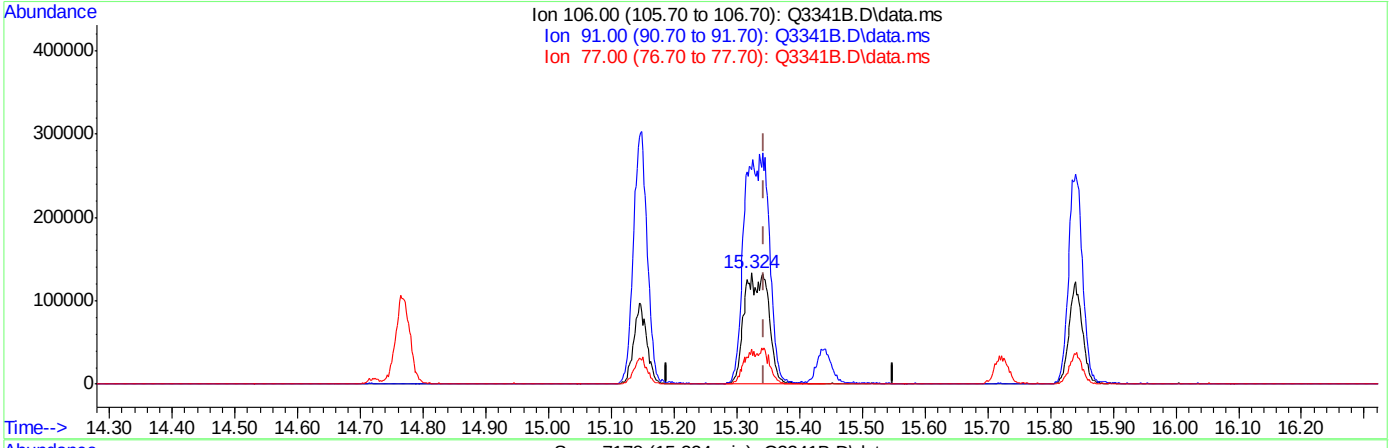
response 121204

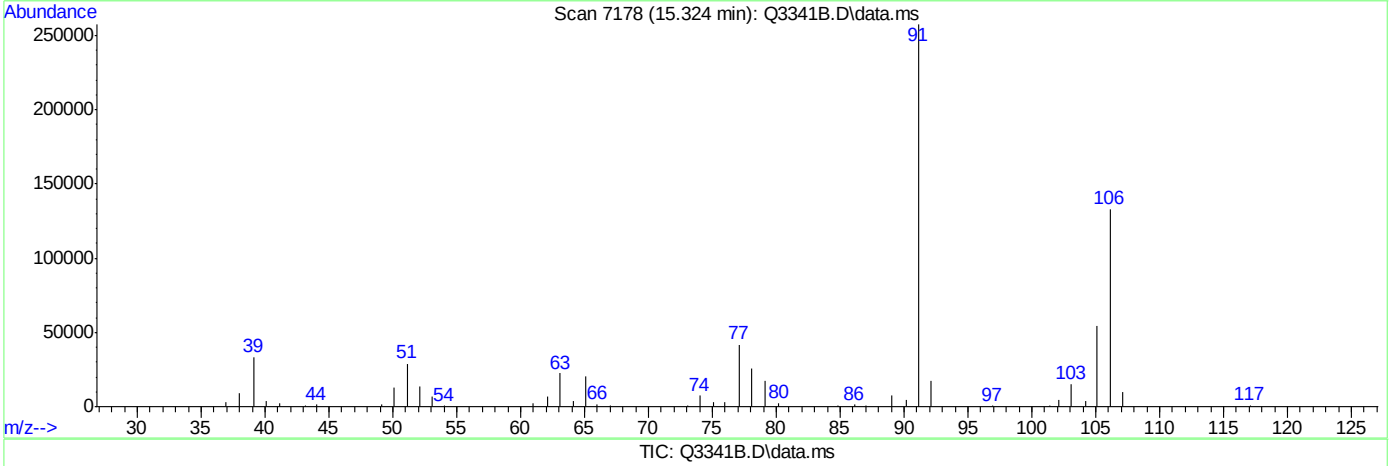
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	203.01
77.00	31.20	26.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341B.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:59:16 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341B.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.019) 17.70PPBV m

response 365524

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	193.46
77.00	31.20	31.33
0.00	0.00	0.00

ACCUTEST Laboratories M64501

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/12/07 16:08

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9973A.D
Acq On : 10 Apr 2007 1:53 pm
Operator : PhilipB
Sample : BS (M119)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 09:02:13 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	418848	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1033770	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	832802	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	250090	5.01	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 100.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	970860	10.22	PPBV	98
3) PROPYLENE	3.99	41	187432	12.52	PPBV	99
4) FREON 114	4.31	85	840983	10.50	PPBV	89
5) CHLOROMETHANE	4.23	50	250064	11.66	PPBV	95
6) VINYL CHLORIDE	4.44	62	252129	11.26	PPBV	99
7) 1,3-BUTADIENE	4.57	39	235628	12.72	PPBV	86
8) BROMOMETHANE	4.85	94	251786	10.13	PPBV	98
9) CHLOROETHANE	5.02	64	111973	10.84	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.78	101	1041650	10.13	PPBV	99
11) ISOPROPYL ALCOHOL	5.90	45	324607	9.89	PPBV	77
12) ACETONE	5.63	43	383621	11.80	PPBV	92
13) PENTANE	6.12	42	252243	10.70	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.41	96	235390	9.84	PPBV	88
15) CARBON DISULFIDE	6.83	76	765293	9.94	PPBV	94
16) ETHANOL	5.18	45	58189	10.77	PPBV	99
17) BROMOETHENE	5.37	106	230386	10.06	PPBV #	96
18) METHYLENE CHLORIDE	6.53	84	236157	7.99	PPBV	88
19) 3-CHLOROPROPENE	6.64	39	245925	10.52	PPBV	90
20) FREON 113	6.77	151	528843	9.70	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	262196	9.94	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.50	59	392267	9.64	PPBV #	63
23) METHYL TERTIARY BUTYL ETHE	7.72	73	568682	10.13	PPBV	93
24) TETRAHYDROFURAN	9.16	42	201515	13.18	PPBV	85
25) HEXANE	8.62	57	300330	8.49	PPBV	86
26) VINYL ACETATE	7.78	43	350048	9.54	PPBV	96
27) 1,1-DICHLOROETHANE	7.64	63	470752	9.66	PPBV	94
28) METHYL ETHYL KETONE	8.05	43	383965	9.35	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.45	96	299736	10.21	PPBV	97
30) ETHYL ACETATE	8.68	43	405374	9.59	PPBV	99
31) CHLOROFORM	8.73	83	835333	10.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	650388	10.25	PPBV	96
33) CARBON TETRACHLORIDE	10.25	117	835756	10.56	PPBV	99
34) 1,2-DICHLOROETHANE	9.44	62	351422	10.94	PPBV	99
36) BENZENE	10.11	78	514586	11.10	PPBV	96
37) CYCLOHEXANE	10.36	84	242335	11.95	PPBV	88
38) TRICHLOROETHYLENE	11.11	95	316394	12.65	PPBV	94
39) 1,2-DICHLOROPROPANE	10.89	63	204632	12.01	PPBV	100
40) BROMODICHLOROMETHANE	11.08	83	592713	11.13	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	1056519	12.52	PPBV	96
42) 1,4-DIOXANE	11.16	88	89644	9.86	PPBV	88
43) HEPTANE	11.35	43	365031	13.62	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9973A.D
Acq On : 10 Apr 2007 1:53 pm
Operator : PhilipB
Sample : BS (M119)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 09:02:13 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

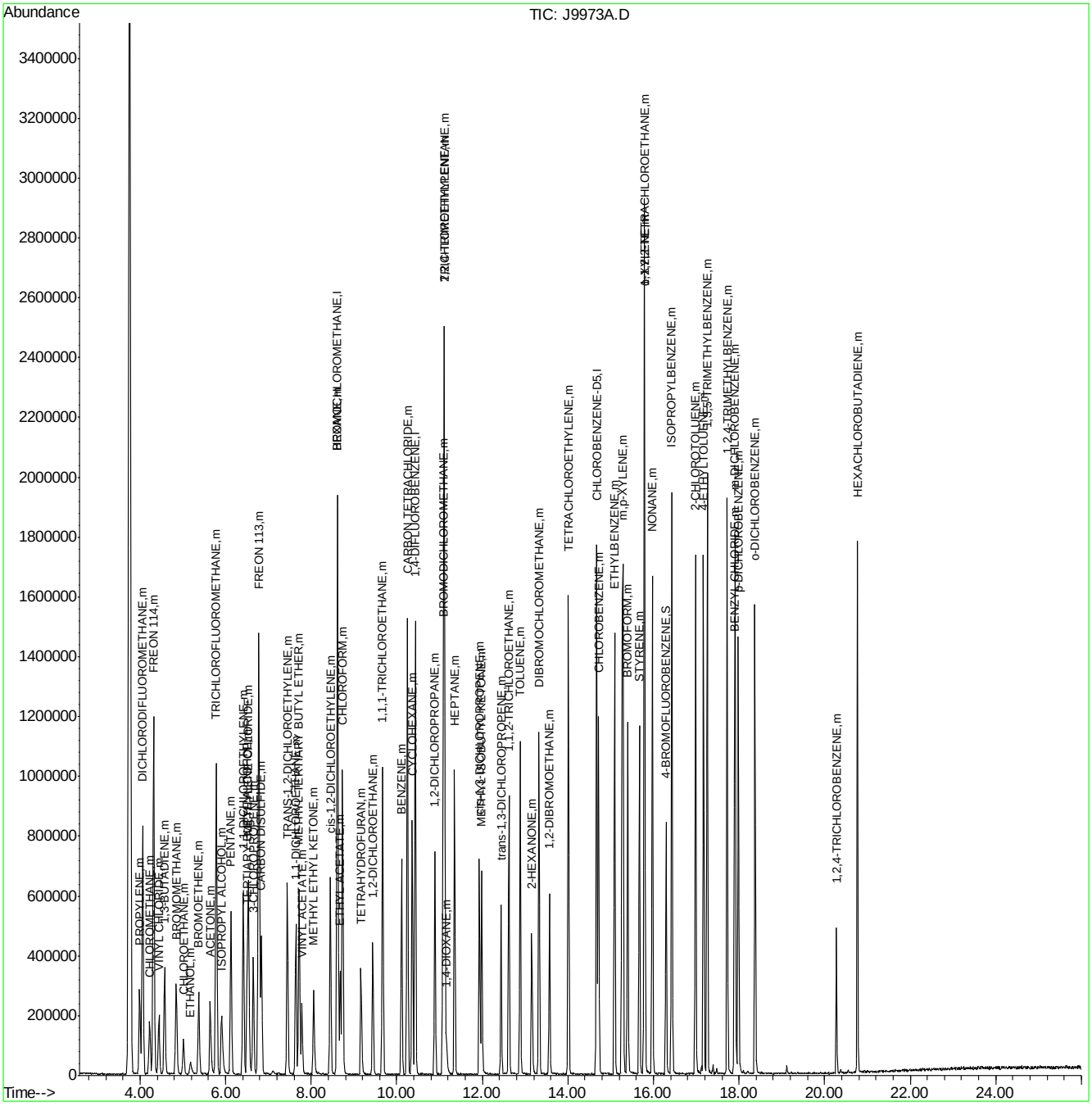
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	491144	11.63	PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.93	75	293355	10.32	PPBV	85
46) TOLUENE	12.88	92	379811	9.85	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	238876	9.94	PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.62	83	216624	12.11	PPBV	99
50) 2-HEXANONE	13.15	43	371173	11.10	PPBV	86
51) TETRACHLOROETHYLENE	14.01	164	251859	11.75	PPBV	91
52) DIBROMOCHLOROMETHANE	13.32	129	547948	11.60	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	369015	9.93	PPBV	99
54) CHLOROBENZENE	14.71	112	532096	13.04	PPBV	96
55) ETHYLBENZENE	15.09	91	900754	11.63	PPBV	96
56) m,p-XYLENE	15.28	106	712140m	22.79	PPBV	
57) o-XYLENE	15.79	106	397021	11.13	PPBV	90
58) STYRENE	15.67	104	463238	11.12	PPBV	96
59) NONANE	15.97	43	603772	12.38	PPBV	92
60) BROMOFORM	15.40	173	487615	10.62	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	670848	13.38	PPBV	97
63) ISOPROPYLBENZENE	16.43	105	1184222	11.33	PPBV	97
64) 2-CHLOROTOLUENE	16.98	91	836656	11.44	PPBV	96
65) 4-ETHYLTOLUENE	17.17	105	930325	10.92	PPBV	76
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	951781	10.93	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	871898	10.80	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	541251	10.81	PPBV	98
69) BENZYL CHLORIDE	17.89	91	440084	10.25	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	472517	10.51	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	482348	10.70	PPBV	98
72) HEXACHLOROBUTADIENE	20.77	225	188485	10.07	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	87281	9.58	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9973A.D
Acq On : 10 Apr 2007 1:53 pm
Operator : PhilipB
Sample : BS (M119)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 09:02:13 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

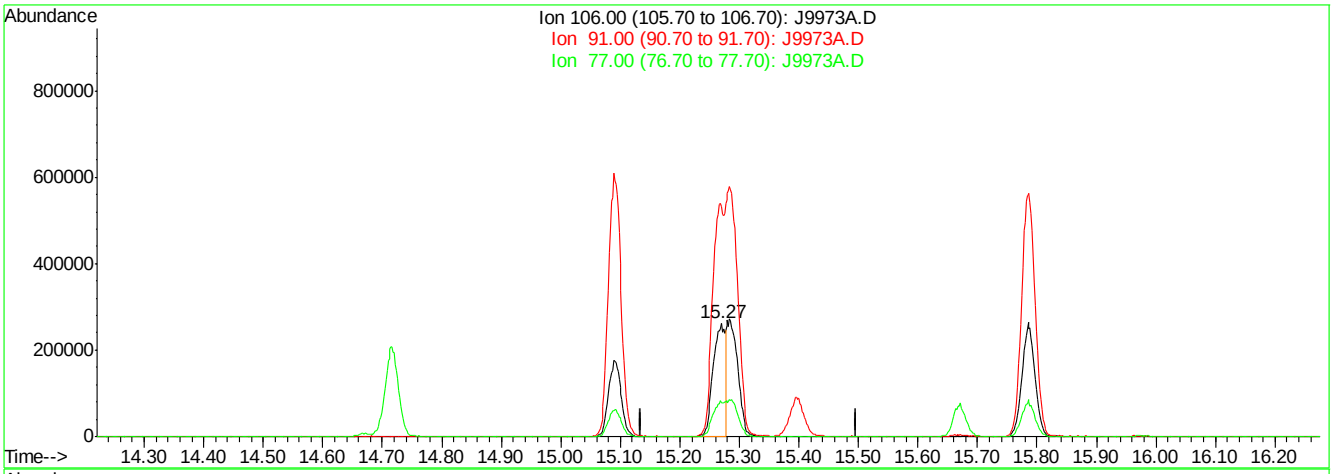


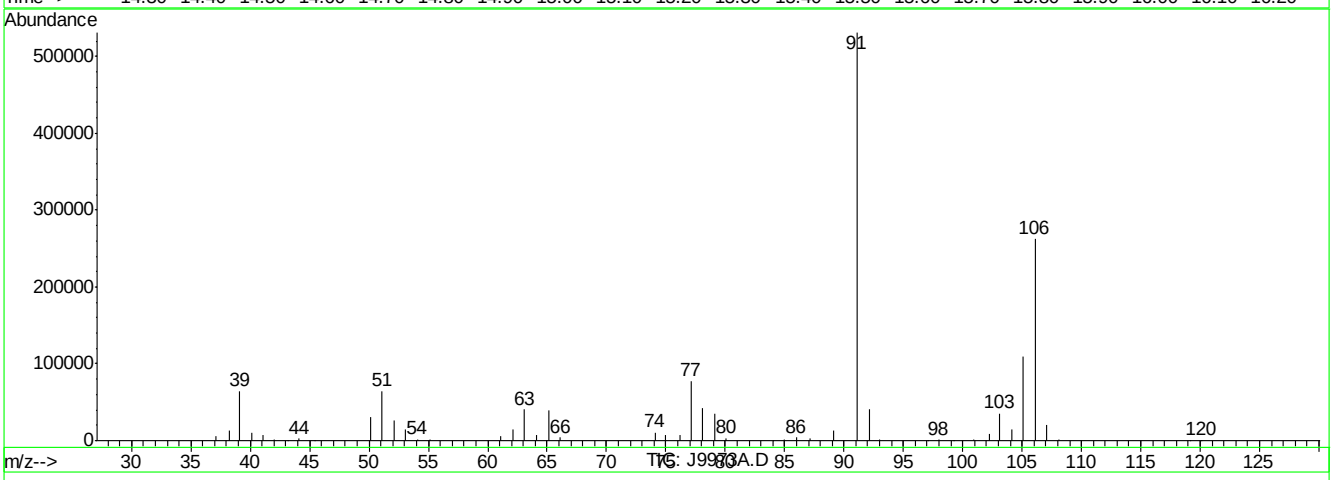
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9973A.D Vial: 4
Acq On : 10 Apr 2007 1:53 pm Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13352, MSJ516,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 09:02:00 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.27min 12.81PPBV

response 360071

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	202.49
77.00	27.10	29.64
0.00	0.00	0.00

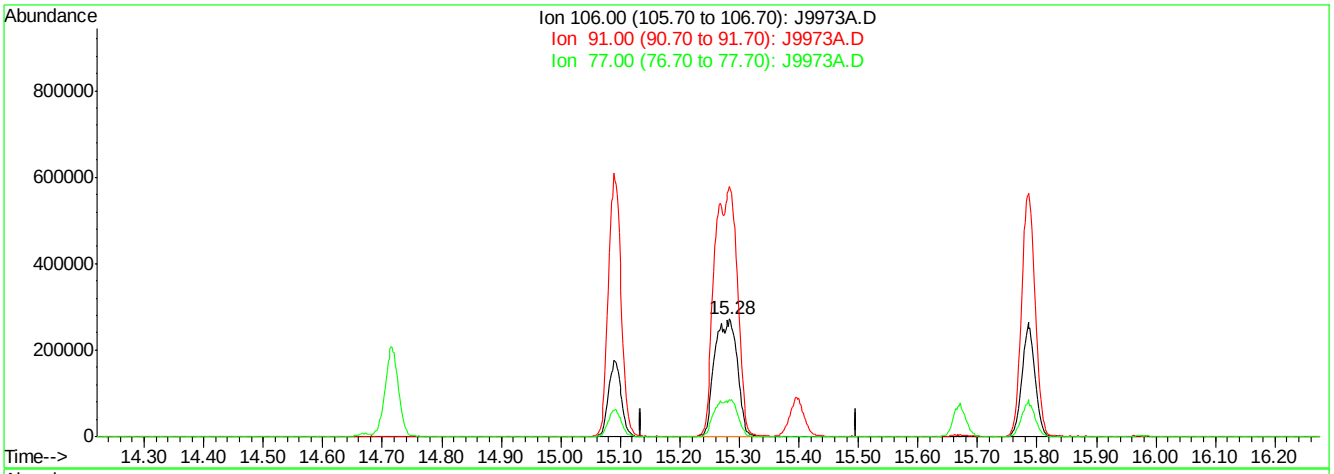
J9973A.D J040507T.M Wed Apr 11 09:02:12 2007

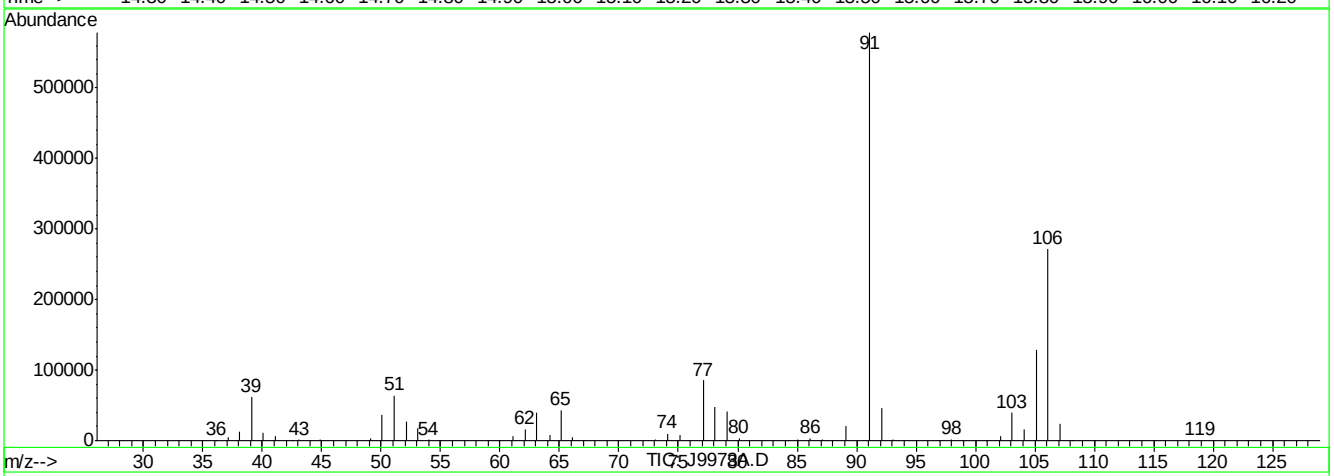
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9973A.D Vial: 4
Acq On : 10 Apr 2007 1:53 pm Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13352, MSJ516,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 09:02:00 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.28min 22.79PPBV m

response 712140

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	213.21
77.00	27.10	31.61
0.00	0.00	0.00

J9973A.D J040507T.M Wed Apr 11 09:02:15 2007

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	275331	5.36	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.20%

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

Quantitation Report (QT Reviewed)

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

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

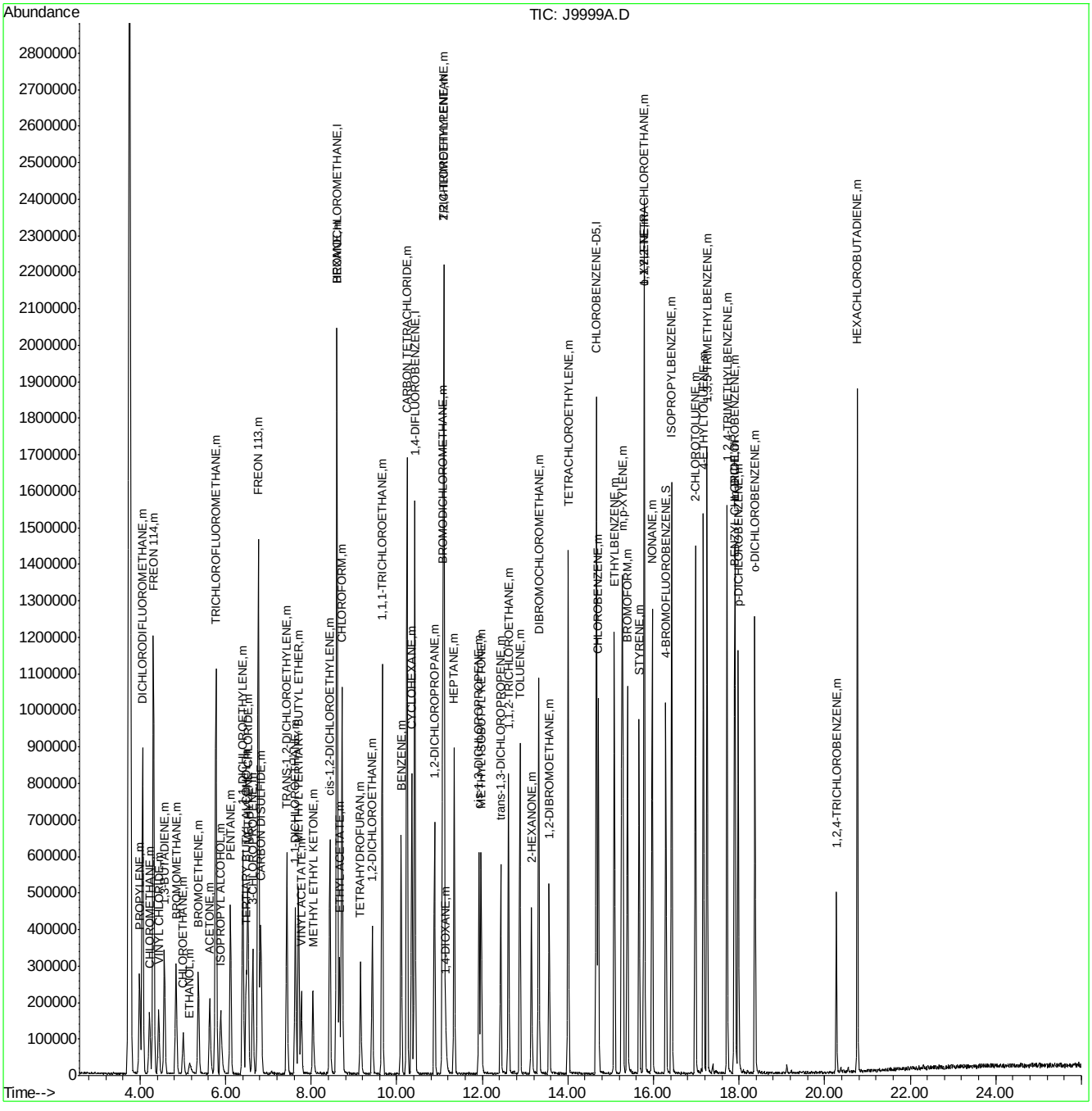
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	427934	10.23	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	229586	8.28	PPBV #	76
46) TOLUENE	12.88	92	299148	8.04	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.43	75	226670	9.51	PPBV #	77
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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

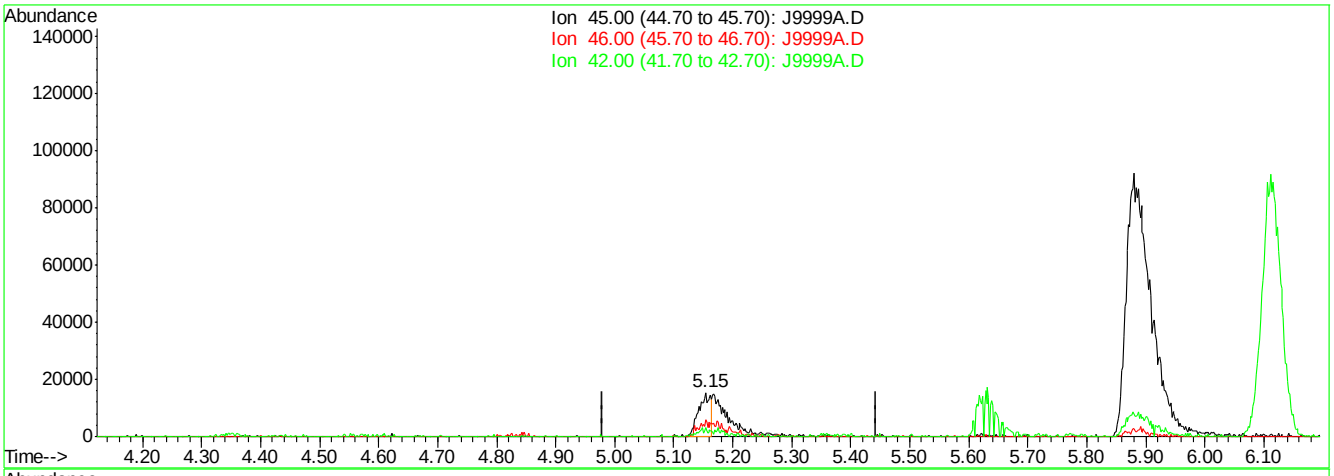


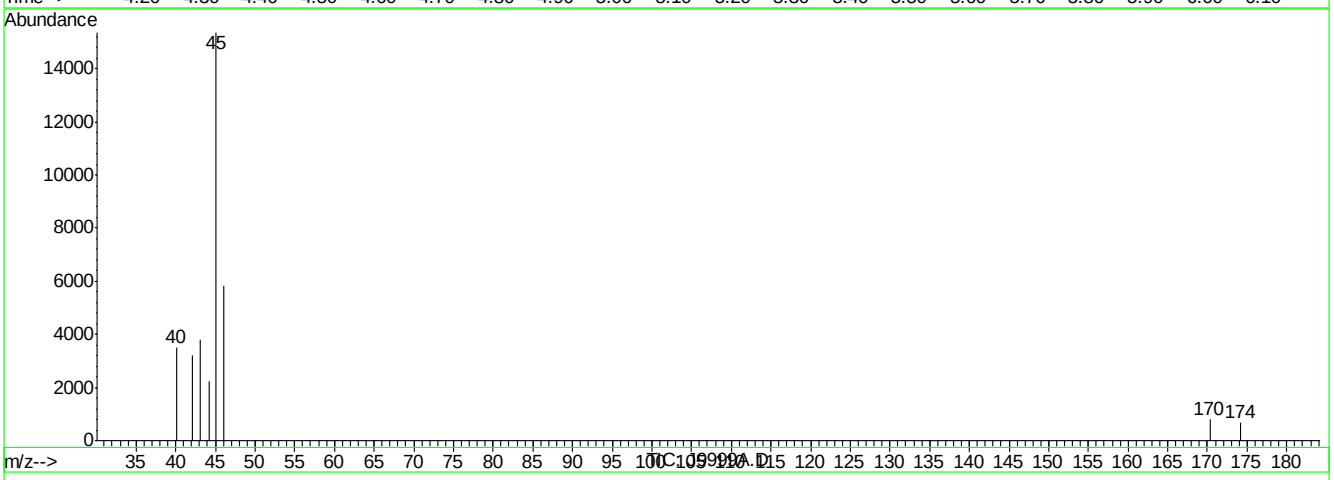
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.15min 3.19PPBV

response 21586

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

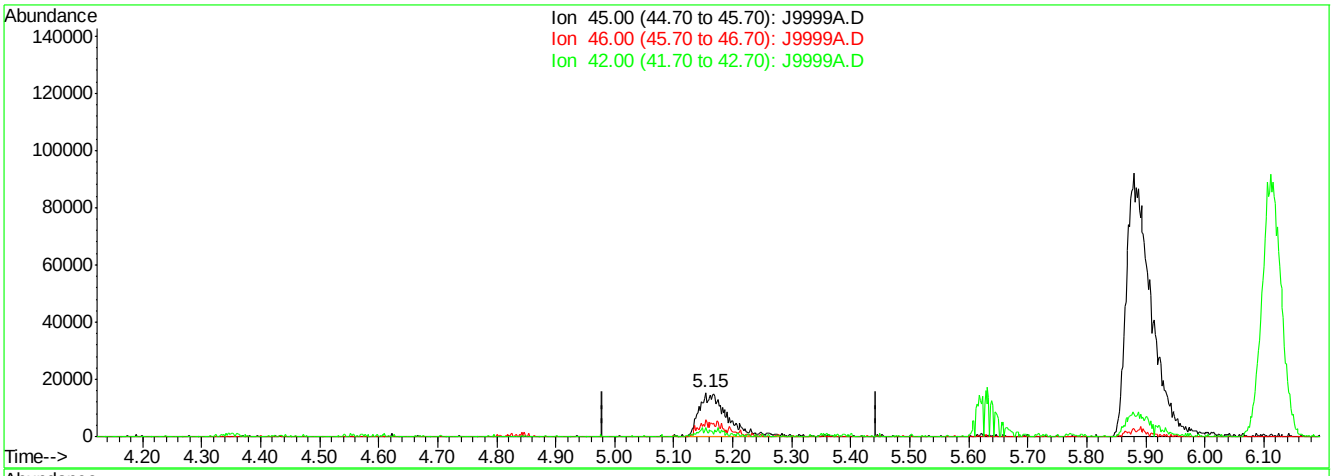
J9999A.D J040507T.M Wed Apr 11 15:32:04 2007

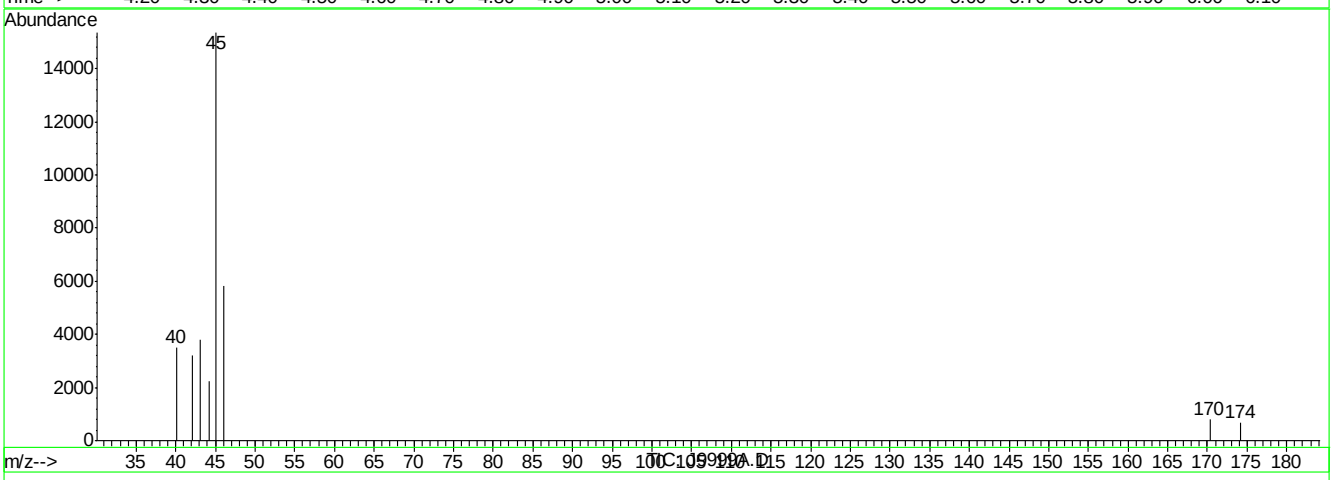
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.15min 8.82PPBV m

response 50310

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

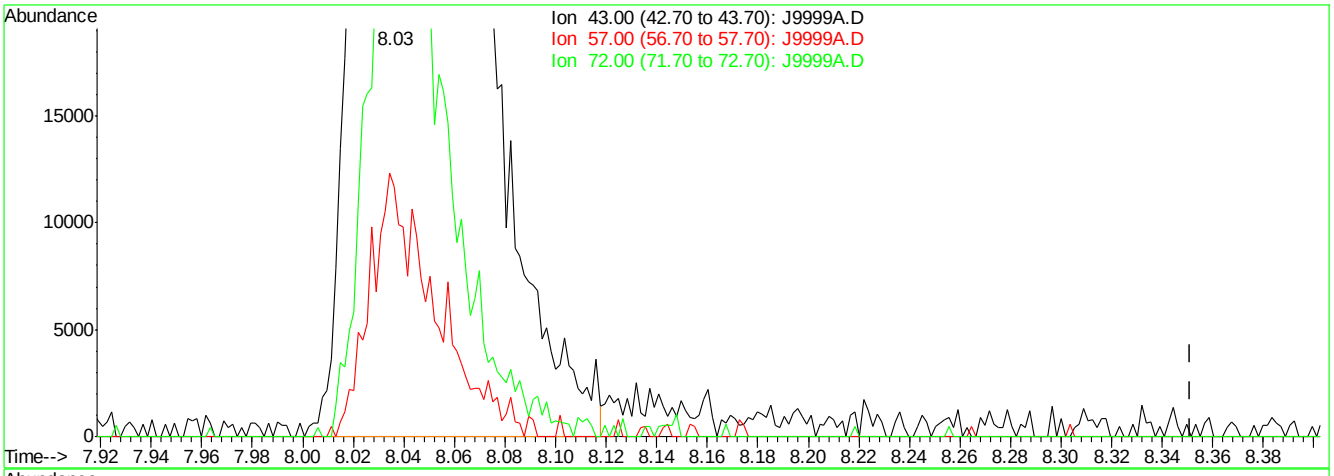
J9999A.D J040507T.M Wed Apr 11 15:32:08 2007

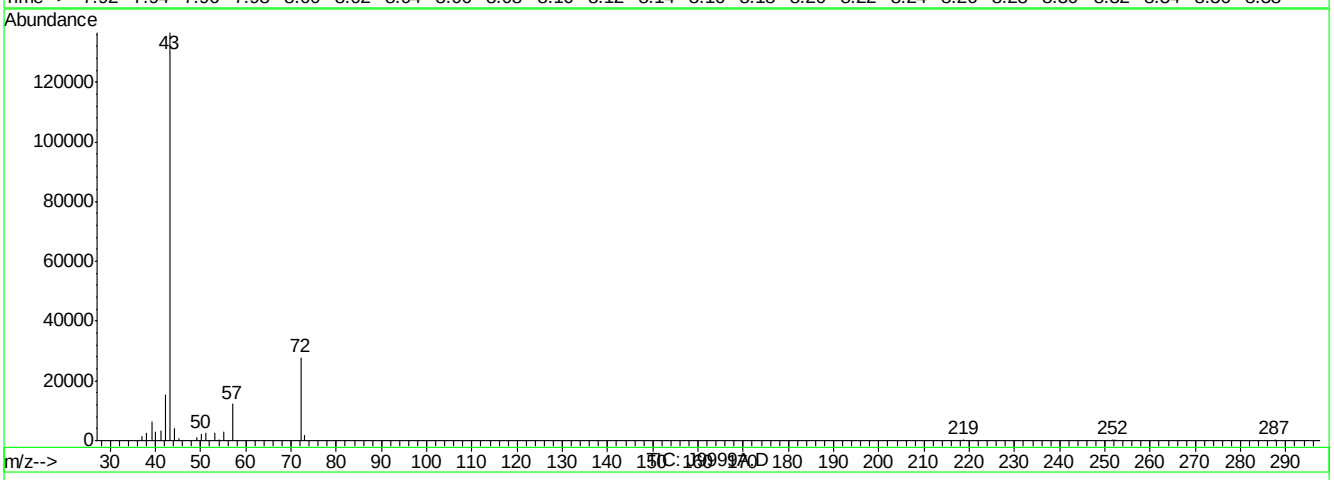
Quantitation Report (Qedit)

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

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

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





(28) METHYL ETHYL KETONE (m)

8.03min 6.82PPBV

response 290089

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

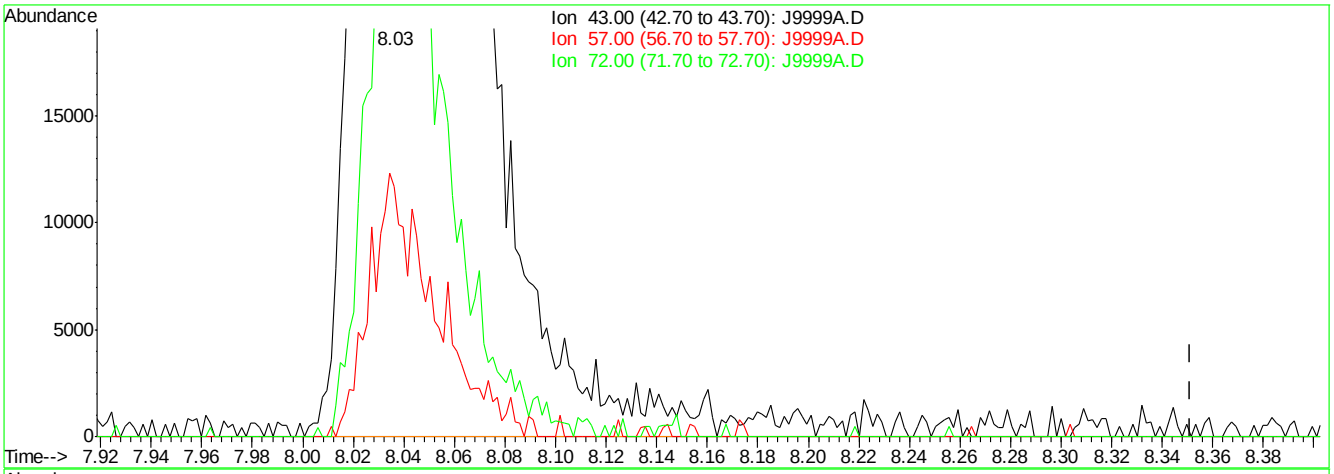
J9999A.D J040507T.M Wed Apr 11 15:32:23 2007

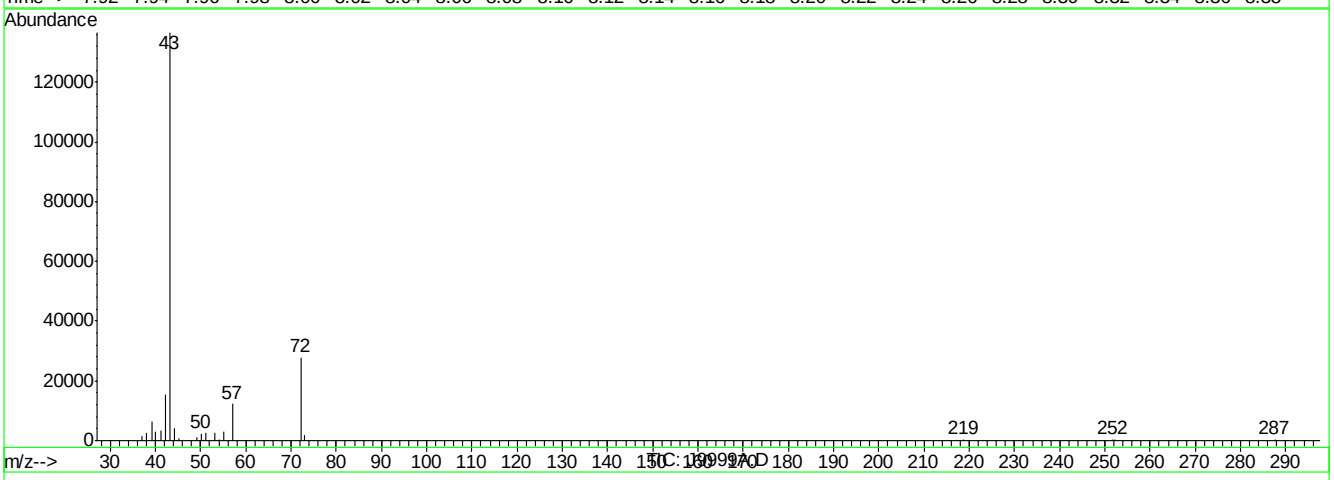
Quantitation Report (Qedit)

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

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

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





(28) METHYL ETHYL KETONE (m)

8.03min 7.02PPBV m

response 298905

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

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

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
04/16/07 11:40

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10018A.D
Acq On : 13 Apr 2007 9:41 am
Operator : PhilipB
Sample : BS (M119)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 10:56:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.59	128	391906	10.00	PPBV	-0.04
35) 1,4-DIFLUOROBENZENE	10.42	114	883716	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.67	117	732480	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	236889	5.40	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 108.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	996231	11.21	PPBV	97
3) PROPYLENE	3.99	41	162980	11.63	PPBV	93
4) FREON 114	4.32	85	747323	9.97	PPBV	91
5) CHLOROMETHANE	4.23	50	197457	9.84	PPBV	97
6) VINYL CHLORIDE	4.44	62	194711	9.29	PPBV	94
7) 1,3-BUTADIENE	4.57	39	204307	11.78	PPBV #	79
8) BROMOMETHANE	4.85	94	209594	9.01	PPBV	95
9) CHLOROETHANE	5.01	64	88264	9.13	PPBV	75
10) TRICHLOROFLUOROMETHANE	5.77	101	1072219	11.15	PPBV	99
11) ISOPROPYL ALCOHOL	5.89	45	244568	7.88	PPBV	78
12) ACETONE	5.63	43	322197	10.53	PPBV	67
13) PENTANE	6.12	42	163506	7.42	PPBV	83
14) 1,1-DICHLOROETHYLENE	6.40	96	190295	8.51	PPBV #	76
15) CARBON DISULFIDE	6.82	76	532963	7.40	PPBV	73
16) ETHANOL	5.17	45	43041	8.31	PPBV	73
17) BROMOETHENE	5.37	106	199197	9.30	PPBV #	93
18) METHYLENE CHLORIDE	6.53	84	175147	6.34	PPBV	83
19) 3-CHLOROPROPENE	6.63	39	221982	10.15	PPBV #	69
20) FREON 113	6.76	151	494233	9.69	PPBV	100
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	205726	8.34	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.49	59	306005	8.03	PPBV #	62
23) METHYL TERTIARY BUTYL ETHE	7.70	73	454086	8.64	PPBV	85
24) TETRAHYDROFURAN	9.15	42	157671	11.02	PPBV	84
25) HEXANE	8.60	57	245445	7.42	PPBV #	75
26) VINYL ACETATE	7.77	43	280423	8.17	PPBV	97
27) 1,1-DICHLOROETHANE	7.62	63	356621	7.82	PPBV	95
28) METHYL ETHYL KETONE	8.04	43	272925m	7.10	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.43	96	249467	9.08	PPBV	98
30) ETHYL ACETATE	8.66	43	336015	8.50	PPBV	100
31) CHLOROFORM	8.72	83	815500	10.70	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.66	97	690373	11.63	PPBV	97
33) CARBON TETRACHLORIDE	10.23	117	936658	12.65	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	349300	11.63	PPBV	99
36) BENZENE	10.10	78	426430	10.76	PPBV	94
37) CYCLOHEXANE	10.35	84	202158	11.66	PPBV	92
38) TRICHLOROETHYLENE	11.10	95	260171	12.17	PPBV	94
39) 1,2-DICHLOROPROPANE	10.88	63	151749	10.42	PPBV	88
40) BROMODICHLOROMETHANE	11.07	83	562609	12.36	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	723042	10.02	PPBV	96
42) 1,4-DIOXANE	11.15	88	72383	9.36	PPBV	92
43) HEPTANE	11.34	43	282512	12.33	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10018A.D
Acq On : 13 Apr 2007 9:41 am
Operator : PhilipB
Sample : BS (M119)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 10:56:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

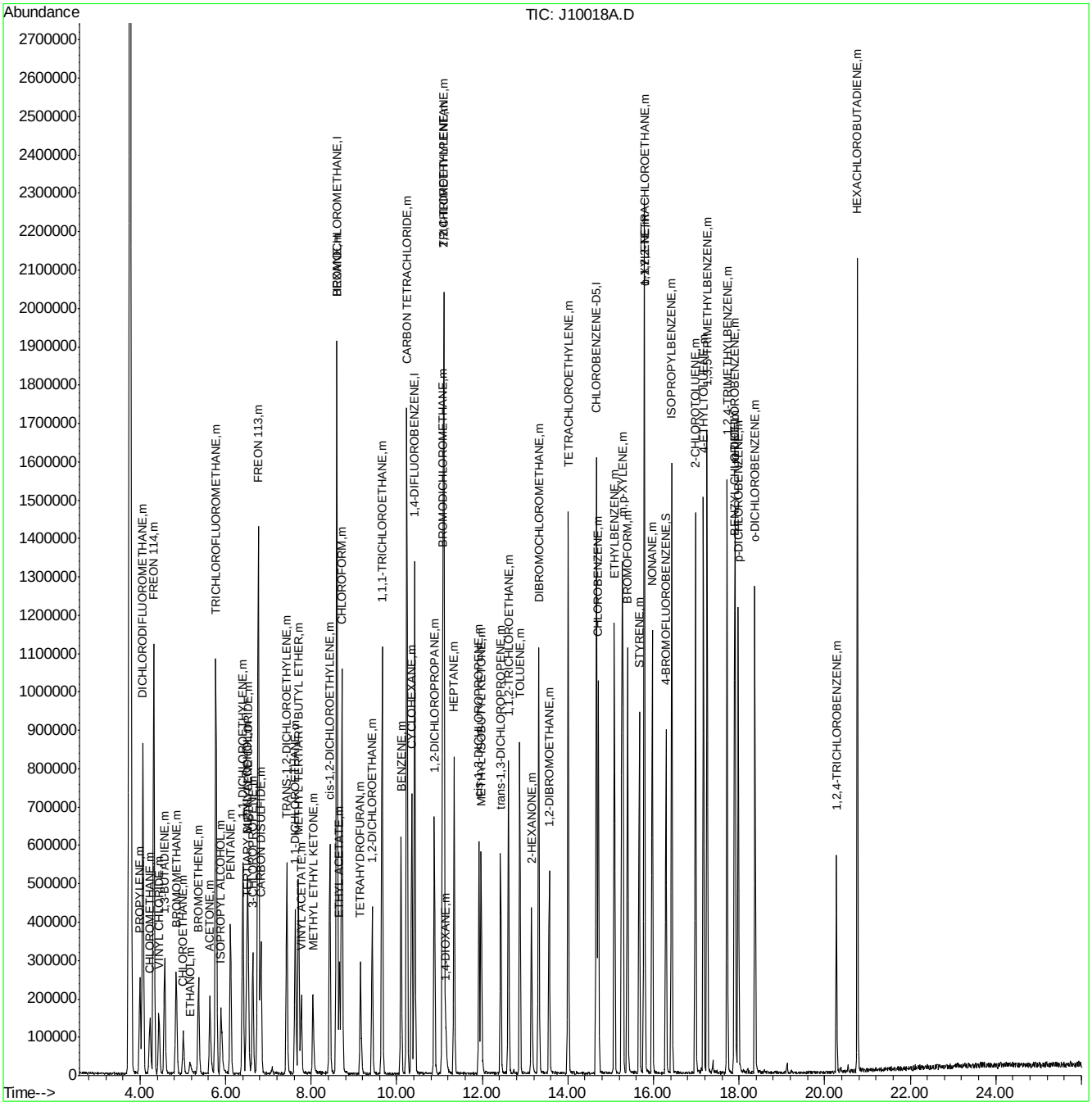
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	412201	11.43	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	222725	9.26	PPBV #	70
46) TOLUENE	12.88	92	289991	8.93	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.43	75	230302	11.06	PPBV #	77
48) 1,1,2-TRICHLOROETHANE	12.61	83	170192	11.13	PPBV	99
50) 2-HEXANONE	13.15	43	338035	11.46	PPBV	82
51) TETRACHLOROETHYLENE	14.01	164	204224	10.83	PPBV	84
52) DIBROMOCHLOROMETHANE	13.31	129	514609	12.39	PPBV	99
53) 1,2-DIBROMOETHANE	13.56	107	297402	9.20	PPBV	99
54) CHLOROBENZENE	14.71	112	429208	11.96	PPBV	95
55) ETHYLBENZENE	15.09	91	708971	10.56	PPBV	95
56) m,p-XYLENE	15.28	106	533301m	19.93	PPBV	
57) o-XYLENE	15.78	106	287241	9.47	PPBV	88
58) STYRENE	15.67	104	354140	9.94	PPBV	93
59) NONANE	15.97	43	404150	9.59	PPBV	91
60) BROMOFORM	15.39	173	425411	10.55	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	458798	10.40	PPBV	98
63) ISOPROPYLBENZENE	16.42	105	918037	10.19	PPBV	96
64) 2-CHLOROTOLUENE	16.98	91	633876	10.11	PPBV	94
65) 4-ETHYLTOLUENE	17.17	105	799430	10.72	PPBV #	73
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	783312	10.36	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	704006	10.09	PPBV	97
68) m-DICHLOROBENZENE	17.91	146	404748	9.58	PPBV	95
69) BENZYL CHLORIDE	17.89	91	430258	11.14	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	359300	9.42	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	358765	9.44	PPBV	96
72) HEXACHLOROBUTADIENE	20.76	225	194373	11.32	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	97233	11.38	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10018A.D
Acq On : 13 Apr 2007 9:41 am
Operator : PhilipB
Sample : BS (M119)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 10:56:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



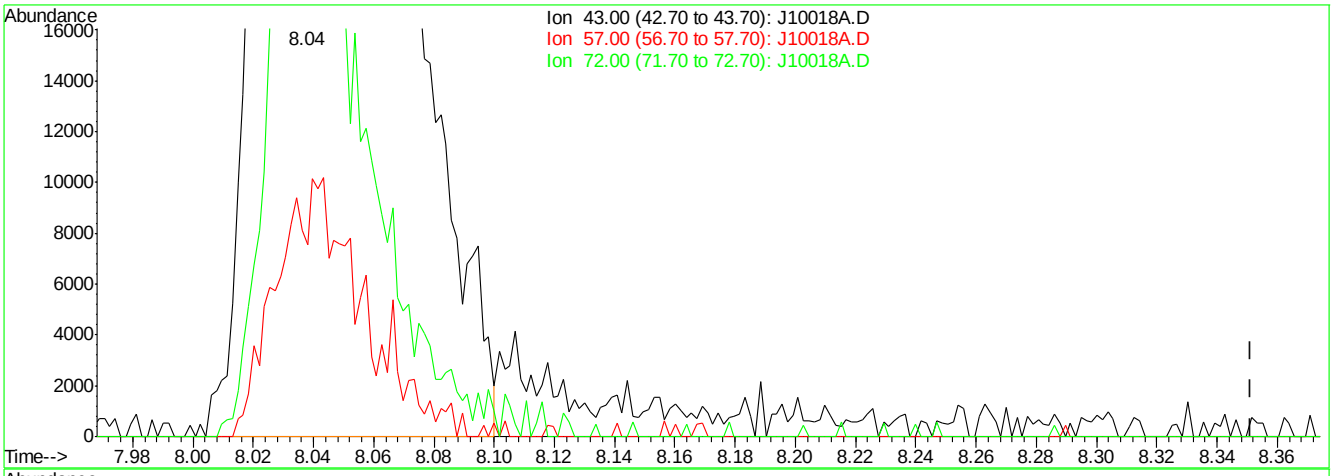
ACCUTEST Laboratories M64501

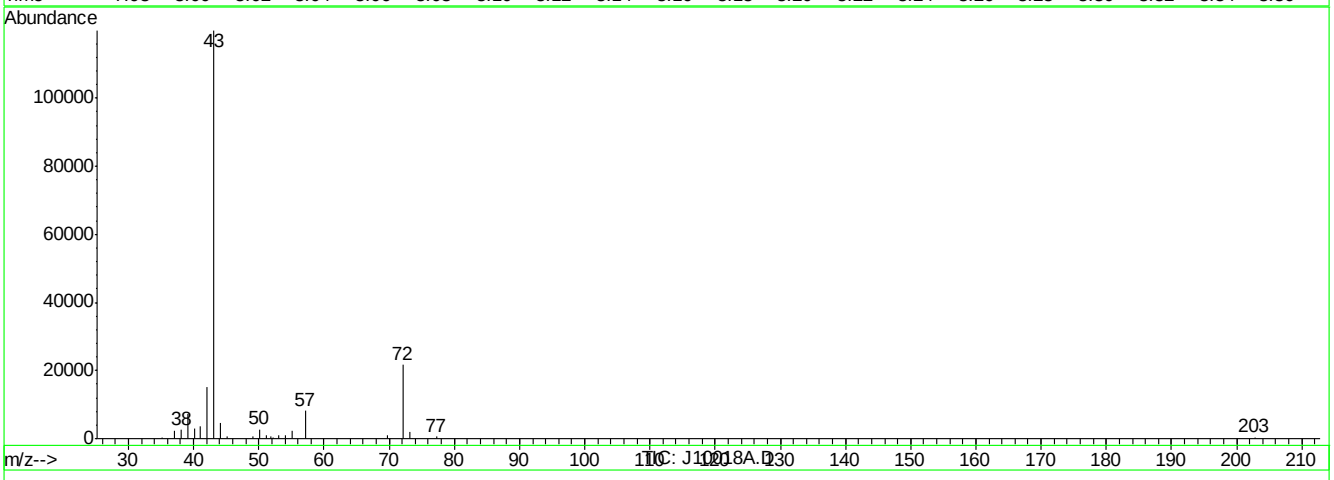
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018A.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:55:29 2007 Results File: J040507T.RES

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





(28) METHYL ETHYL KETONE (m)

8.04min 6.85PPBV

response 263344

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	6.76
72.00	25.60	18.09
0.00	0.00	0.00

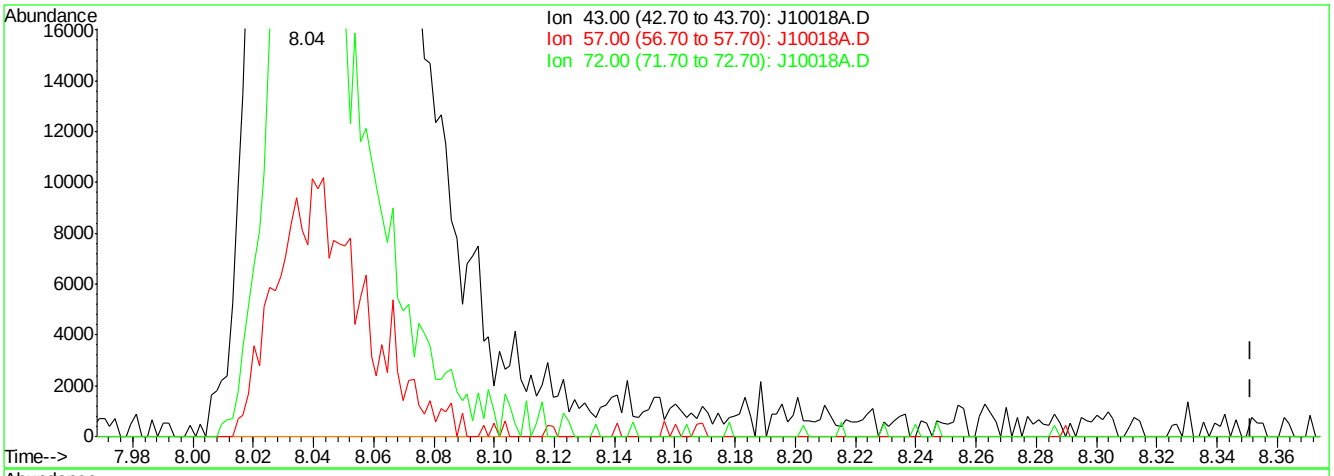
J10018A.D J040507T.M Fri Apr 13 10:55:48 2007

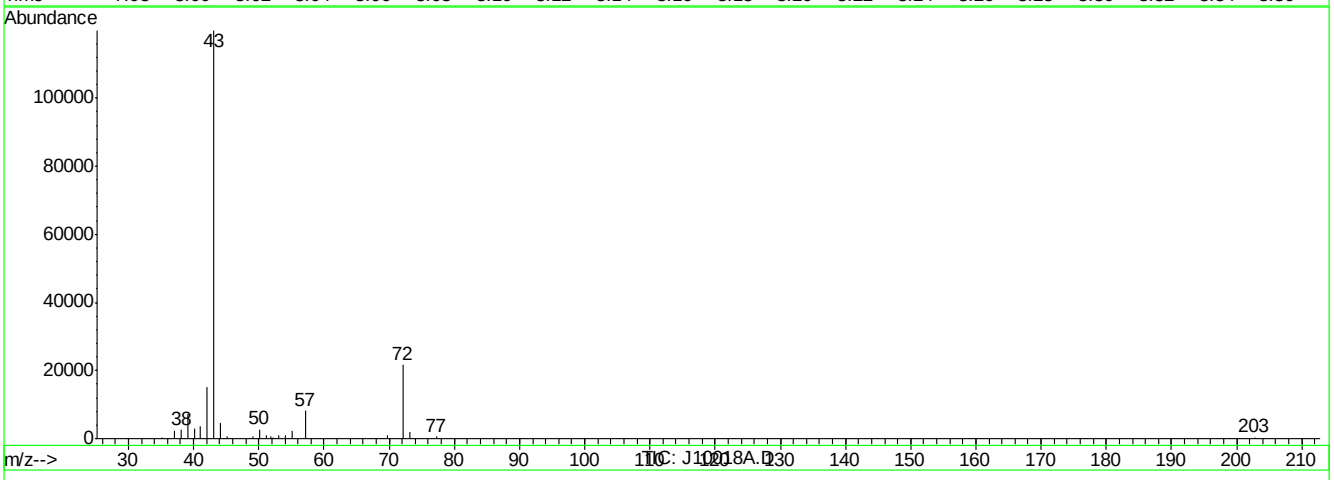
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018A.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:55:29 2007 Results File: J040507T.RES

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





(28) METHYL ETHYL KETONE (m)

8.04min 7.10PPBV m

response 272925

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	6.76
72.00	25.60	18.09
0.00	0.00	0.00

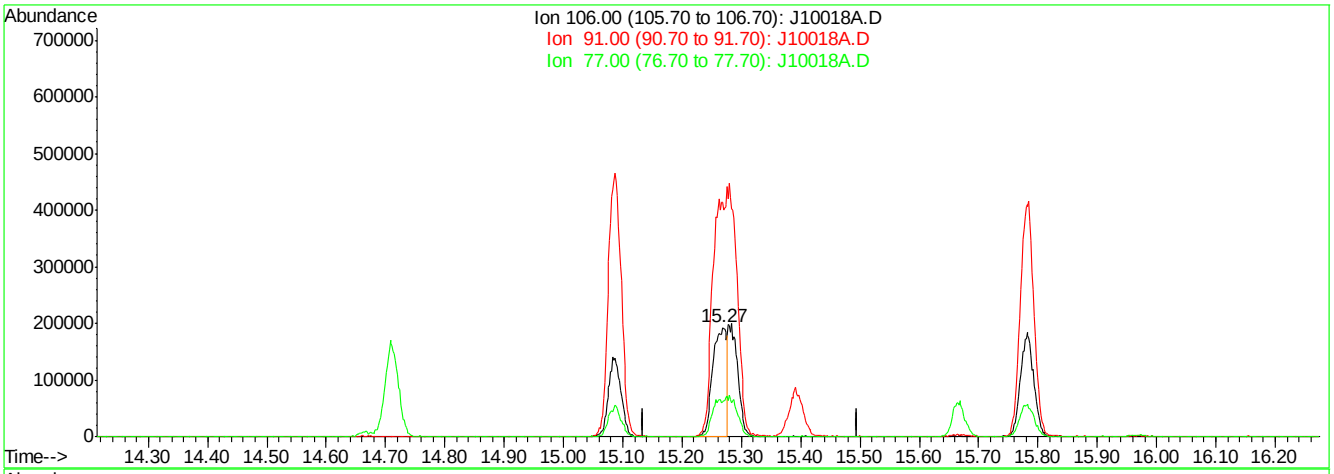
J10018A.D J040507T.M Fri Apr 13 10:55:53 2007

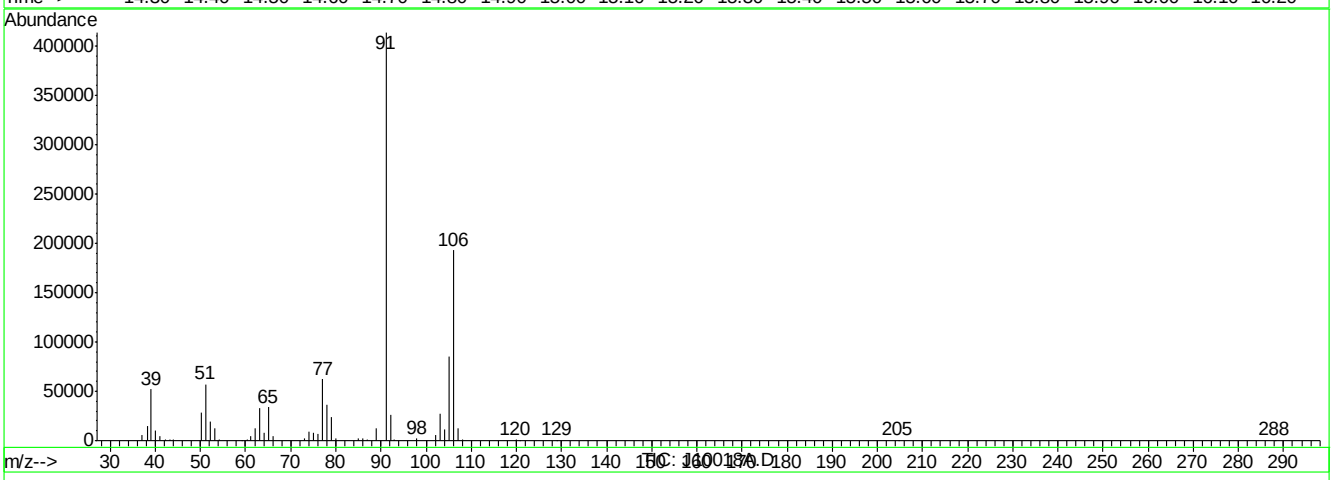
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018A.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:55:29 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.27min 12.81PPBV

response 316859

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	214.55
77.00	27.10	32.23
0.00	0.00	0.00

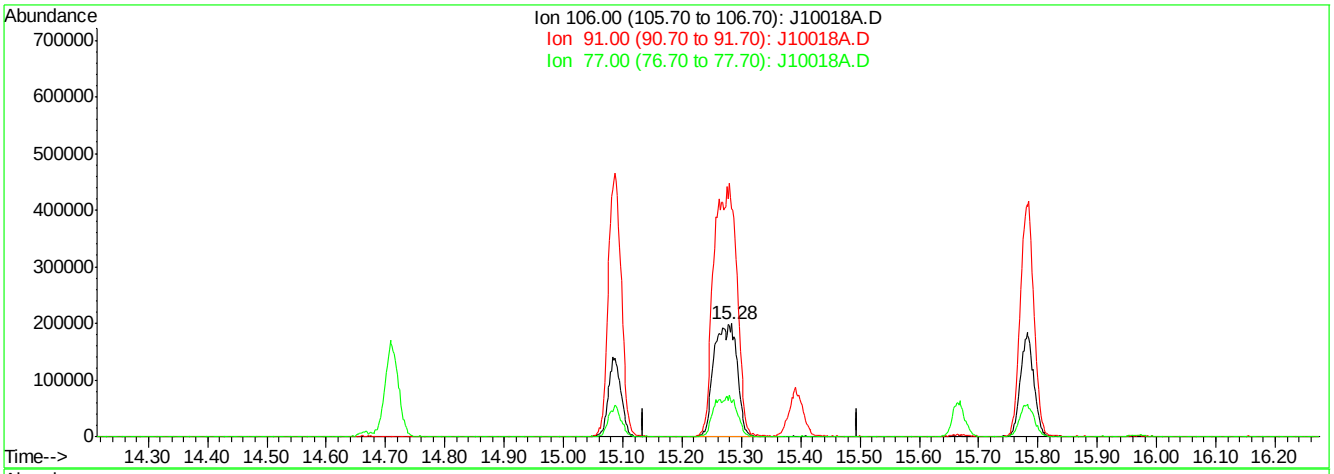
J10018A.D J040507T.M Fri Apr 13 10:55:59 2007

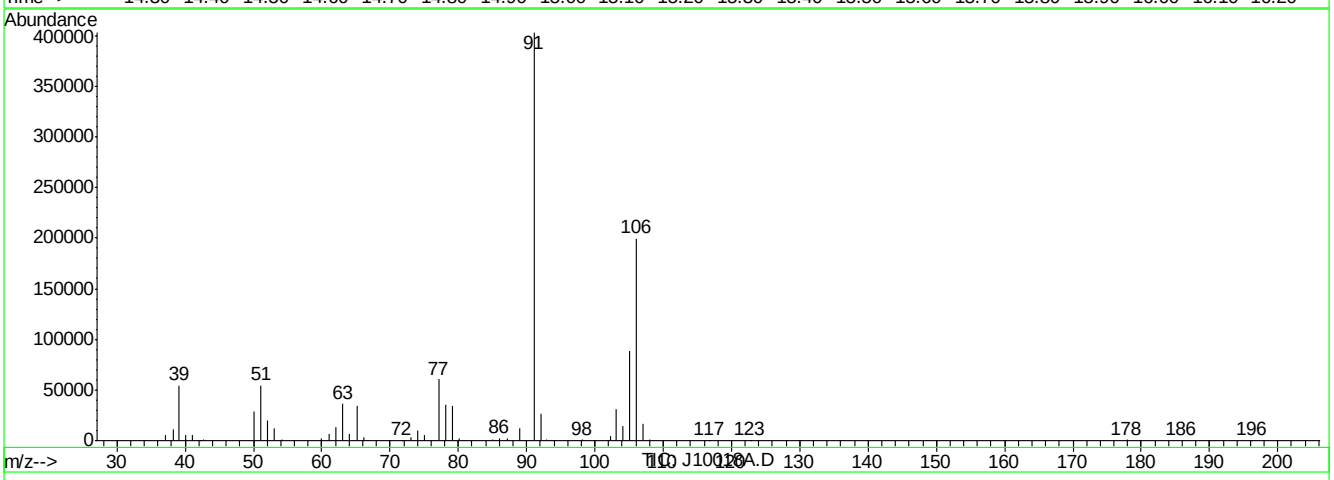
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018A.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : BS (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:55:29 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.28min 19.93PPBV m

response 533301

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	201.92
77.00	27.10	30.28
0.00	0.00	0.00

J10018A.D J040507T.M Fri Apr 13 10:56:04 2007

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3344.D
Acq On : 4 May 2007 6:18 pm
Operator : PhilipB
Sample : M64501-1dup
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:47:20 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.640	128	147089	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.470	114	634650	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	531651	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.346	95	187975	4.55	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.00%

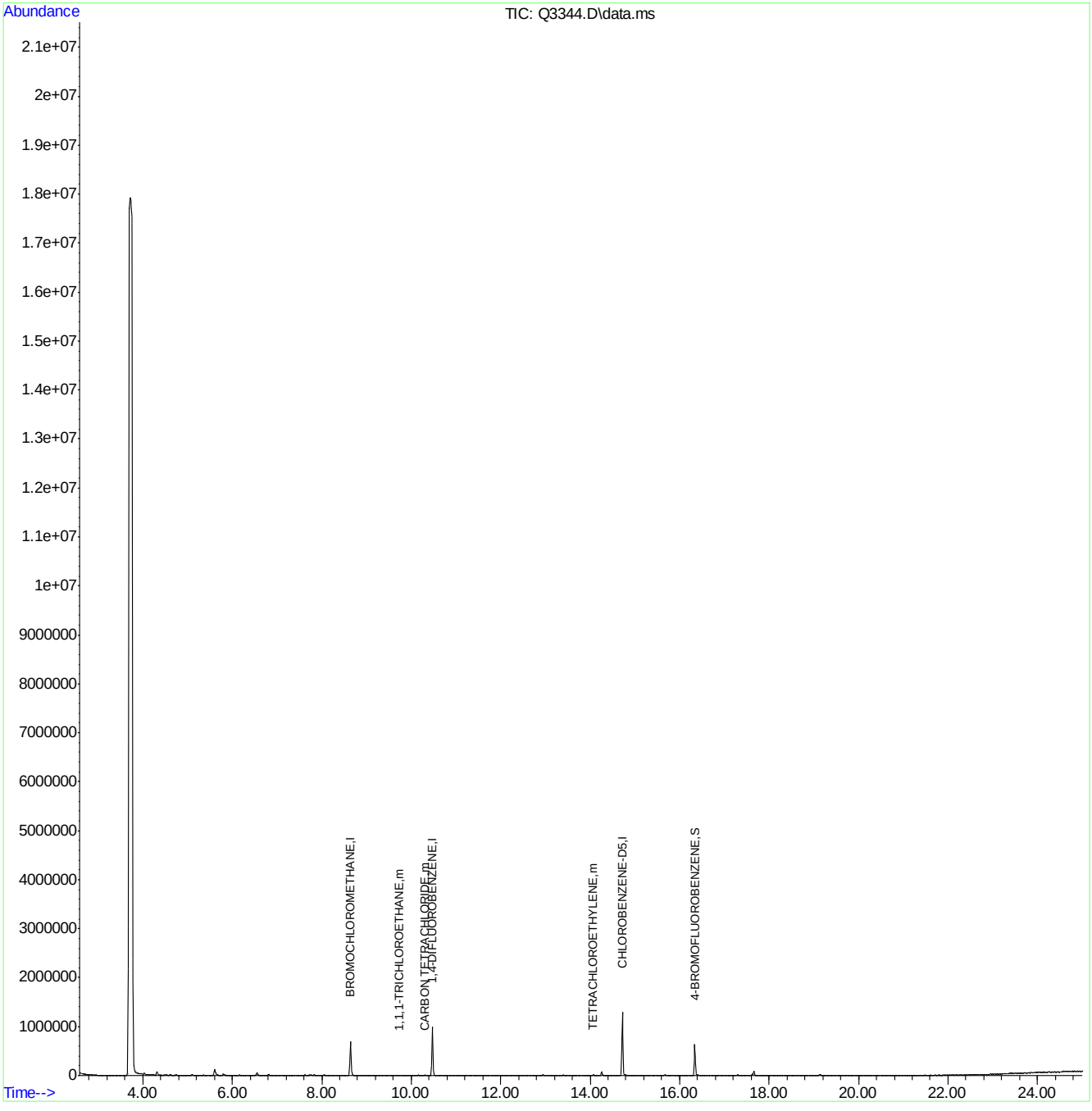
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.719	97	3581	0.10	PPBV #	39
33) CARBON TETRACHLORIDE	10.298	117	4825	0.11	PPBV	93
51) TETRACHLOROETHYLENE	14.069	164	3755	0.27	PPBV #	82

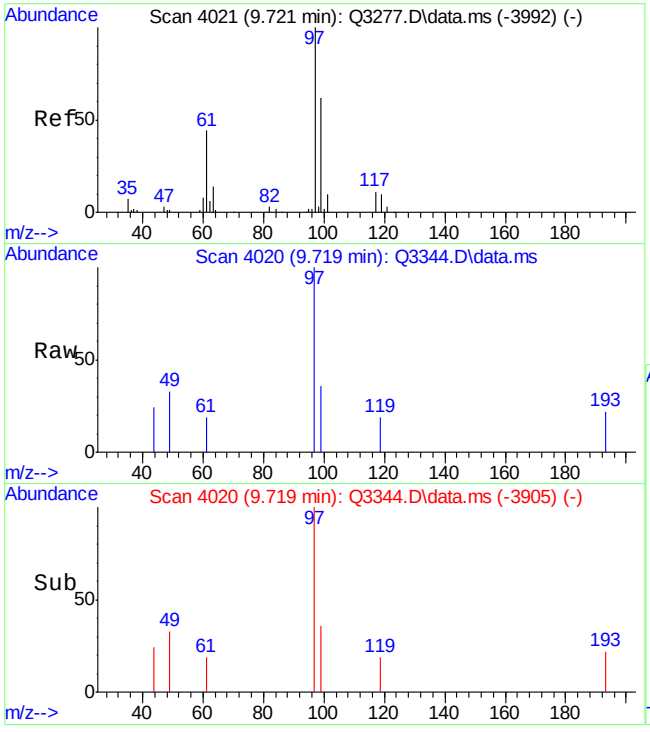
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3344.D
Acq On : 4 May 2007 6:18 pm
Operator : PhilipB
Sample : M64501-1dup
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 18:47:20 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

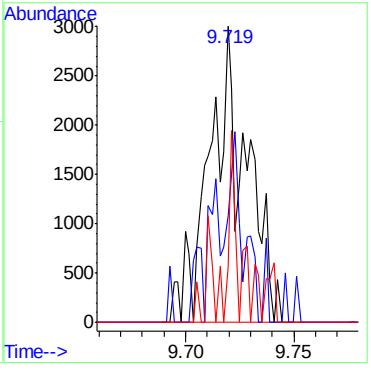


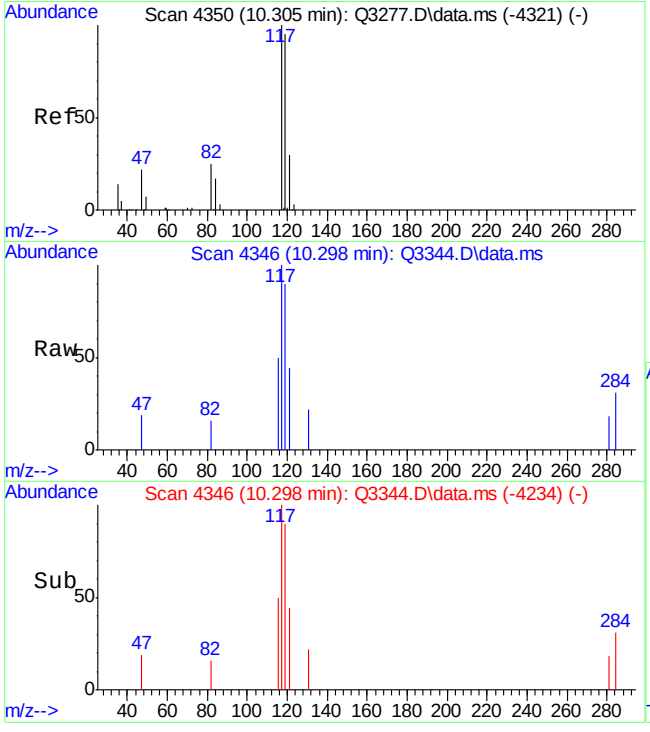


#32
1,1,1-TRICHLOROETHANE
Concen: 0.10 PPBV
RT: 9.719 min Scan# 4020
Delta R.T. -0.002 min
Lab File: Q3344.D
Acq: 4 May 2007 6:18 pm

Tgt Ion: 97 Resp: 3581

Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.4	83.4#
61	22.7	23.5	63.5#

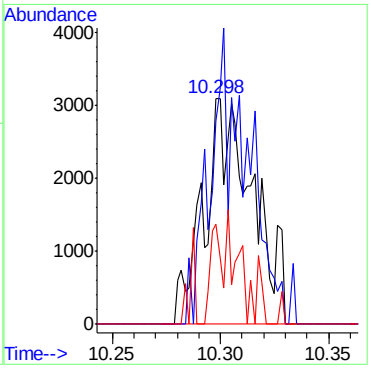


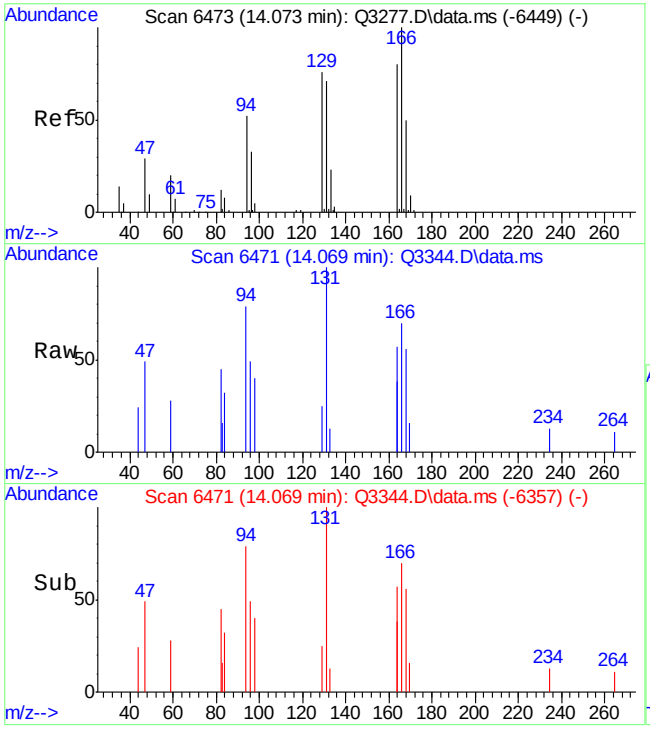


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.298 min Scan# 4346
Delta R.T. -0.007 min
Lab File: Q3344.D
Acq: 4 May 2007 6:18 pm

Tgt Ion:117 Resp: 4825

Ion	Ratio	Lower	Upper
117	100		
119	100.1	75.6	115.6
121	22.3	10.5	50.5

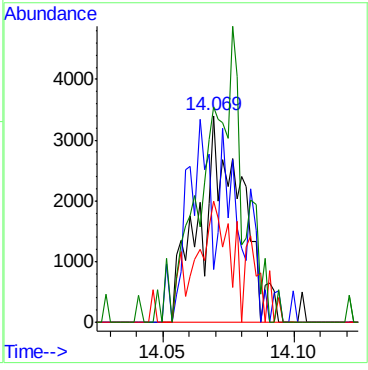




#51
TETRACHLOROETHYLENE
Concen: 0.27 PPBV
RT: 14.069 min Scan# 6471
Delta R.T. -0.004 min
Lab File: Q3344.D
Acq: 4 May 2007 6:18 pm

Tgt Ion:164 Resp: 3755

Ion	Ratio	Lower	Upper
164	100		
129	105.7	77.6	117.6
168	61.9	41.2	81.2
131	131.1	72.6	112.6#



6.4.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9986.D
Acq On : 11 Apr 2007 12:28 am
Operator : PhilipB
Sample : BLK (M042)
Misc : MS13341, MSJ516,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 09:54:52 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	322128	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	703695	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	547684	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	124110	3.78	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 75.60%

Target Compounds	Qvalue

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

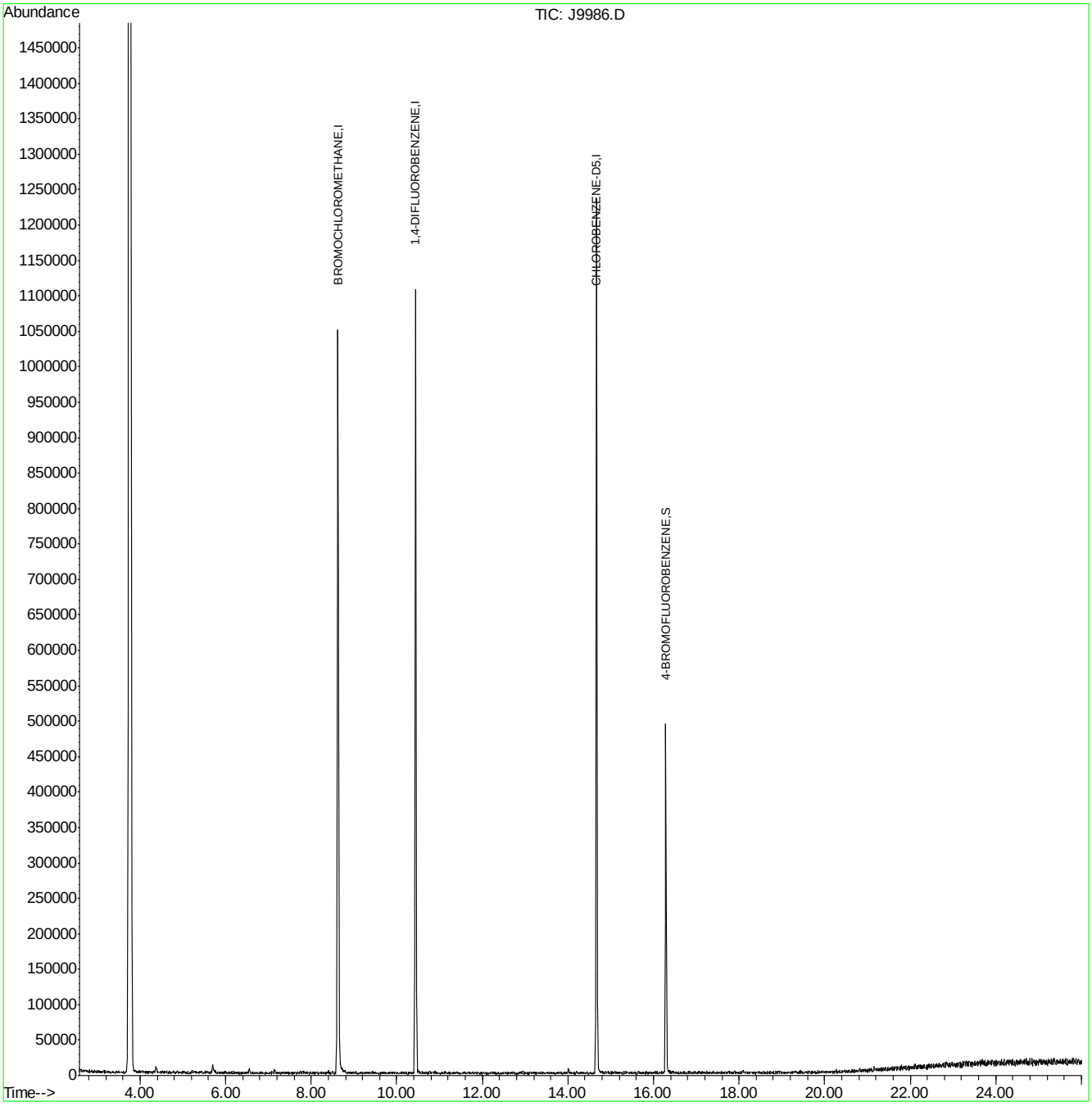
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9986.D
Acq On : 11 Apr 2007 12:28 am
Operator : PhilipB
Sample : BLK (M042)
Misc : MS13341, MSJ516,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 09:54:52 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9990.D
Acq On : 11 Apr 2007 3:42 am
Operator : PhilipB
Sample : BLK (M066)
Misc : MS13341, MSJ516,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 09:57:29 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	331960	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	781796	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	636111	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	152835	4.01	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 80.20%

Target Compounds	Qvalue

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

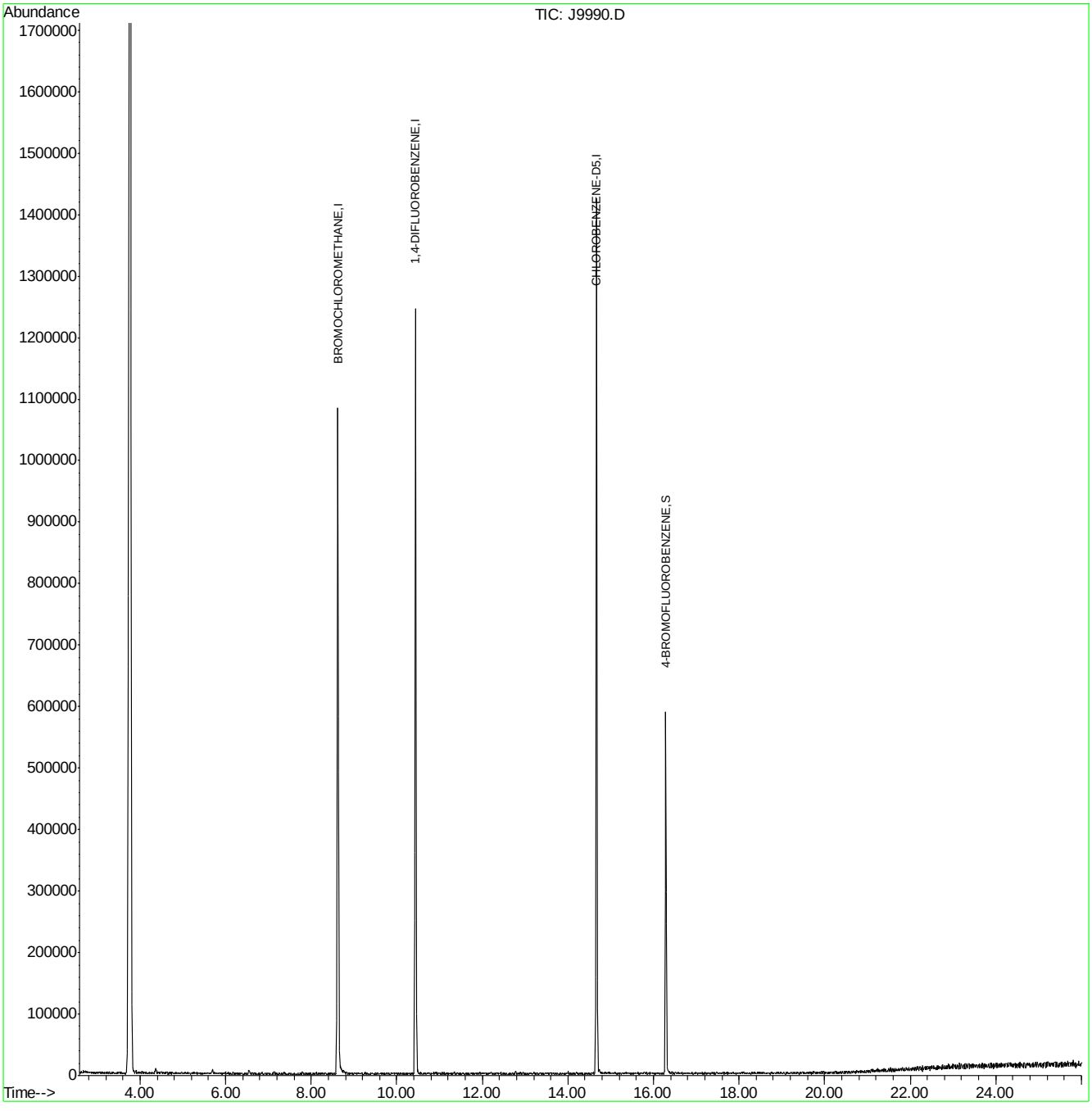
6.5.2

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9990.D
Acq On : 11 Apr 2007 3:42 am
Operator : PhilipB
Sample : BLK (M066)
Misc : MS13341, MSJ516,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 09:57:29 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9993.D
Acq On : 11 Apr 2007 6:06 am
Operator : PhilipB
Sample : BLK (M142)
Misc : MS13341, MSJ516,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 11 09:59:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	293015	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	679684	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	546540	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	129109	3.94	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 78.80%

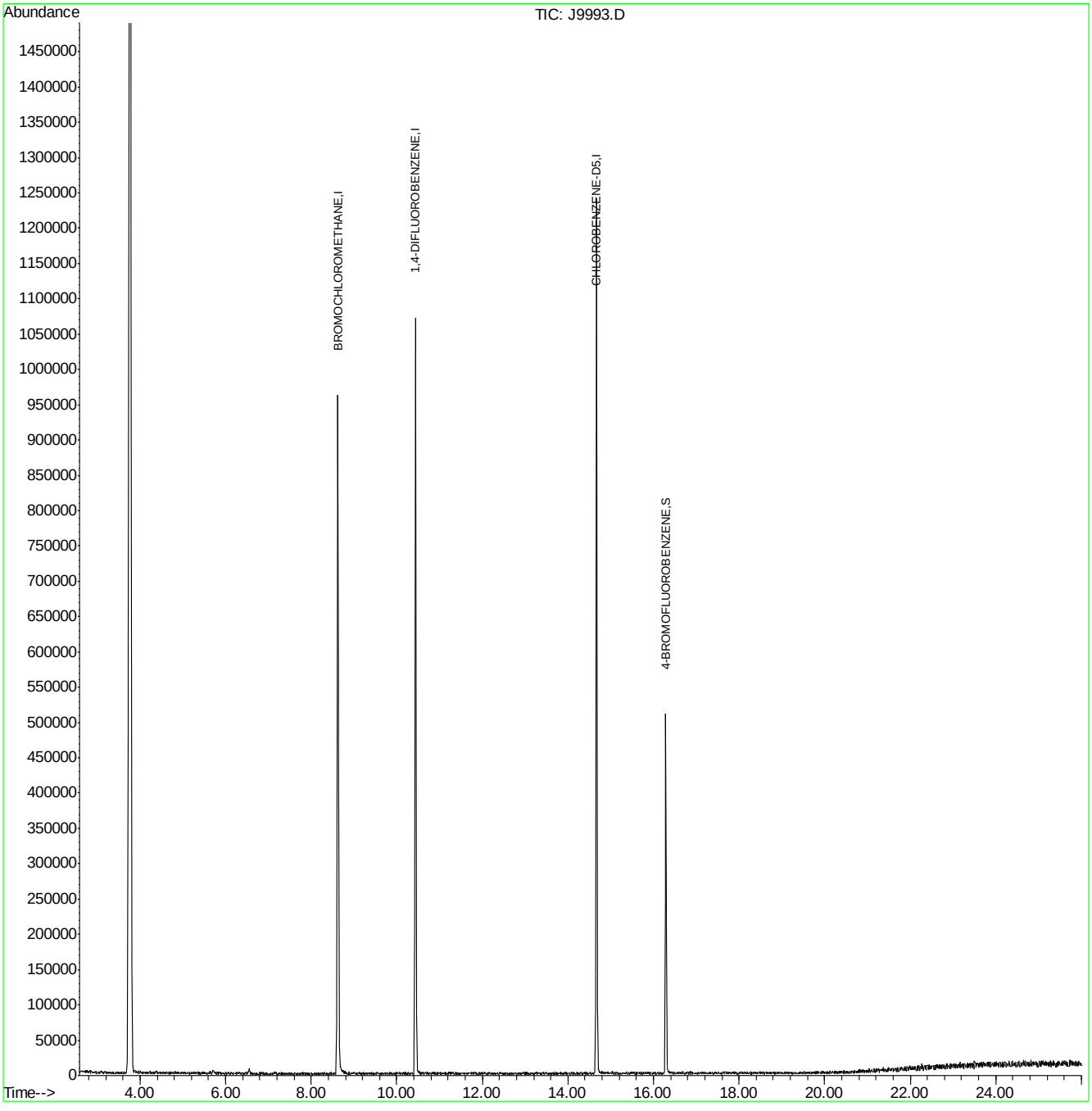
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9993.D
Acq On : 11 Apr 2007 6:06 am
Operator : PhilipB
Sample : BLK (M142)
Misc : MS13341, MSJ516,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 11 09:59:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 84.00%

Target Compounds	Qvalue

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

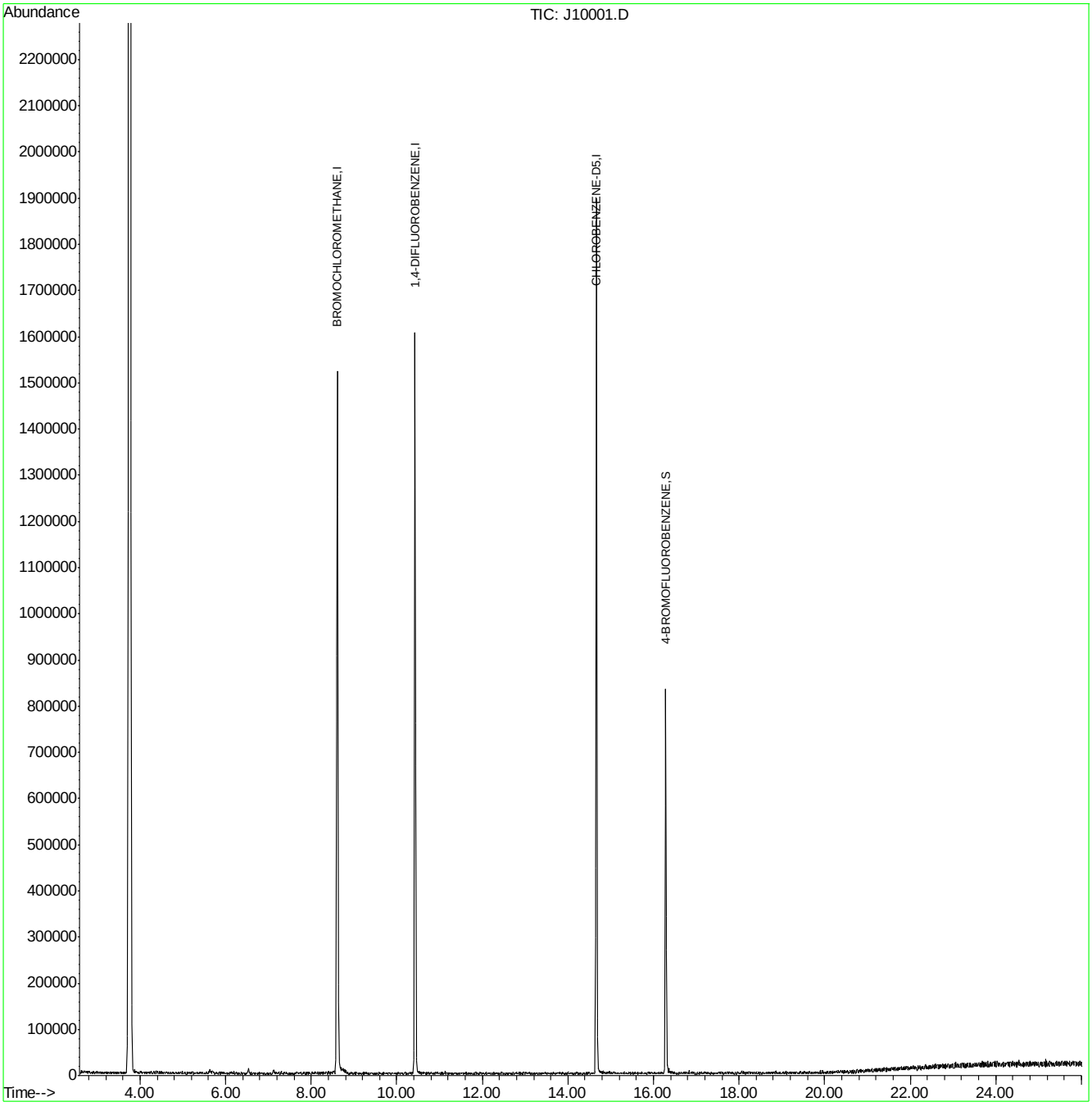
6.5.4

6

Quantitation Report (QT Reviewed)

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

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



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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10015.D
Acq On : 12 Apr 2007 2:40 pm
Operator : PhilipB
Sample : BLK (M068)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 12 15:22:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	315602	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	660218	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	557987	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	134631	4.03	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 80.60%

Target Compounds Qvalue

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

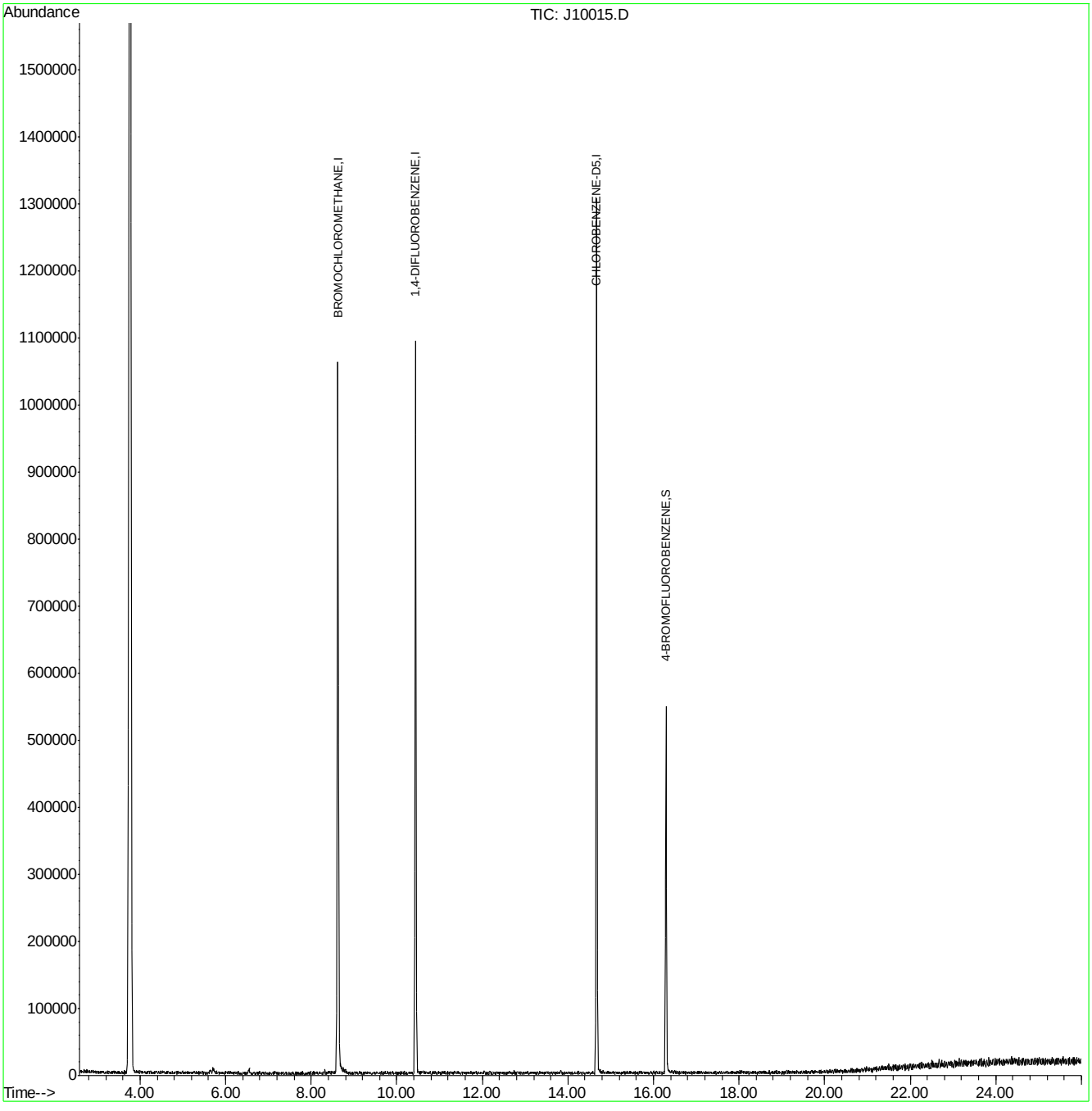
6.5.5

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10015.D
Acq On : 12 Apr 2007 2:40 pm
Operator : PhilipB
Sample : BLK (M068)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 12 15:22:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10033.D
Acq On : 14 Apr 2007 12:47 am
Operator : PhilipB
Sample : BLK (M170)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 08:44:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	275486	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	587820	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	489682	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	119958	4.09	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.80%

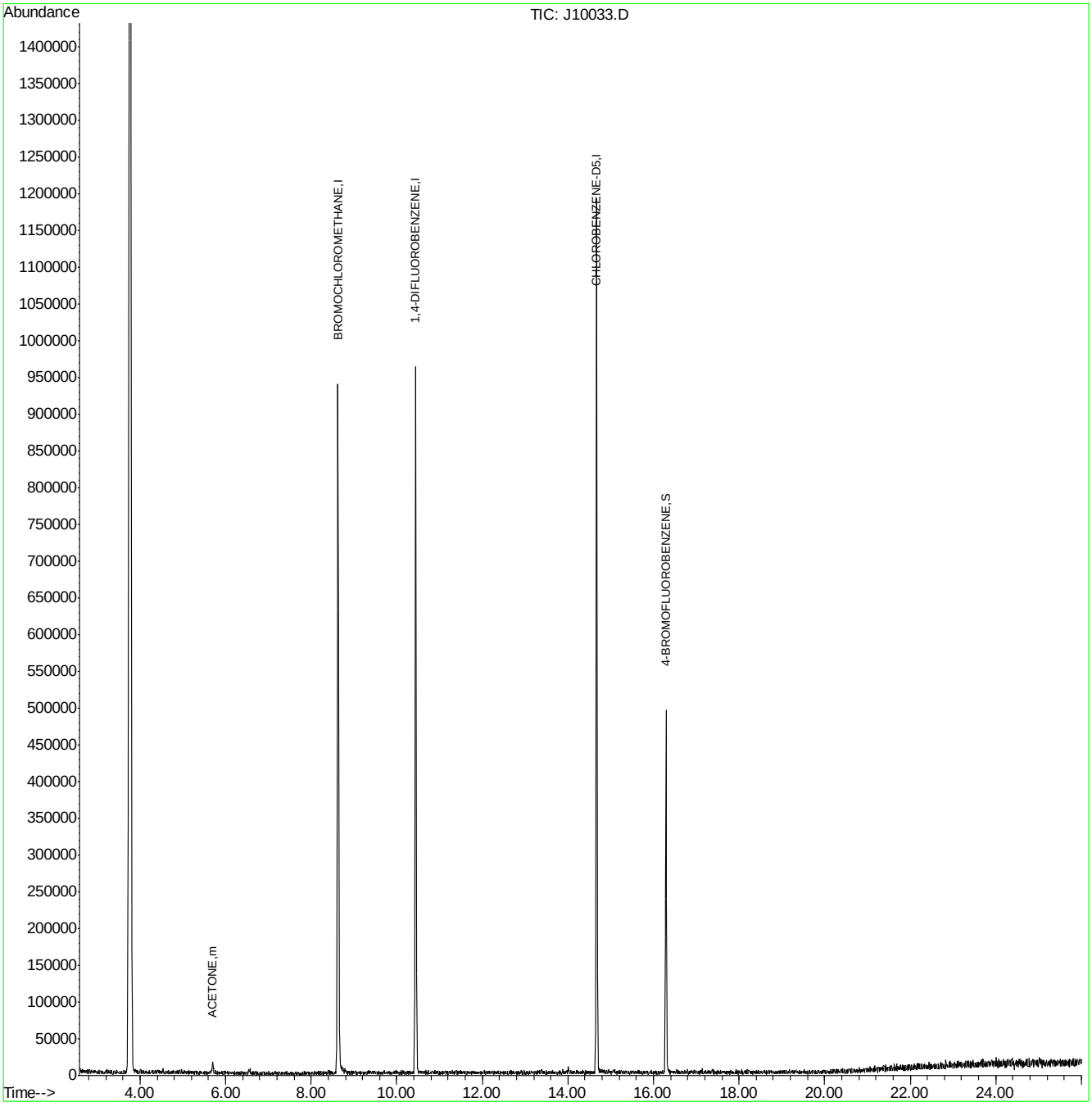
Target Compounds						Qvalue
12) ACETONE	5.69	43	19714m	0.70	PPBV	

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

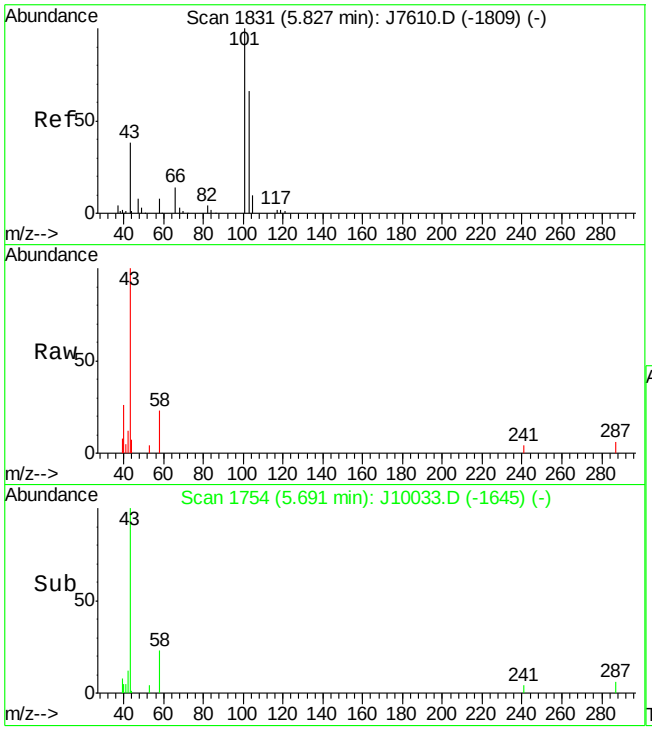
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10033.D
Acq On : 14 Apr 2007 12:47 am
Operator : PhilipB
Sample : BLK (M170)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 08:44:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration



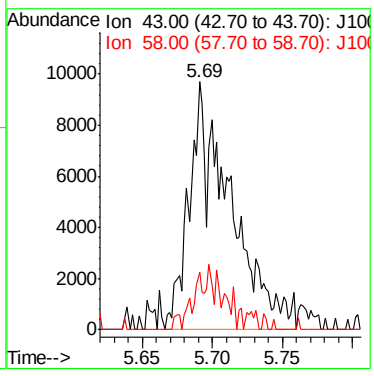
J040507T.M Mon Apr 16 11:27:32 2007 Page: 2



#12
ACETONE
Concen: 0.70 PPBV m
RT: 5.69 min Scan# 1754
Delta R.T. 0.04 min
Lab File: J10033.D
Acq: 14 Apr 2007 12:47 am

Tgt Ion: 43 Resp: 19714

Ion	Ratio	Lower	Upper
43	100		
58	16.5	4.7	44.7



6.5.6

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10034.D
Acq On : 14 Apr 2007 1:38 am
Operator : PhilipB
Sample : BLK (M044)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 16 08:45:38 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	265880	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	571989	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	470909	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	110424	3.91	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 78.20%

Target Compounds	Qvalue

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

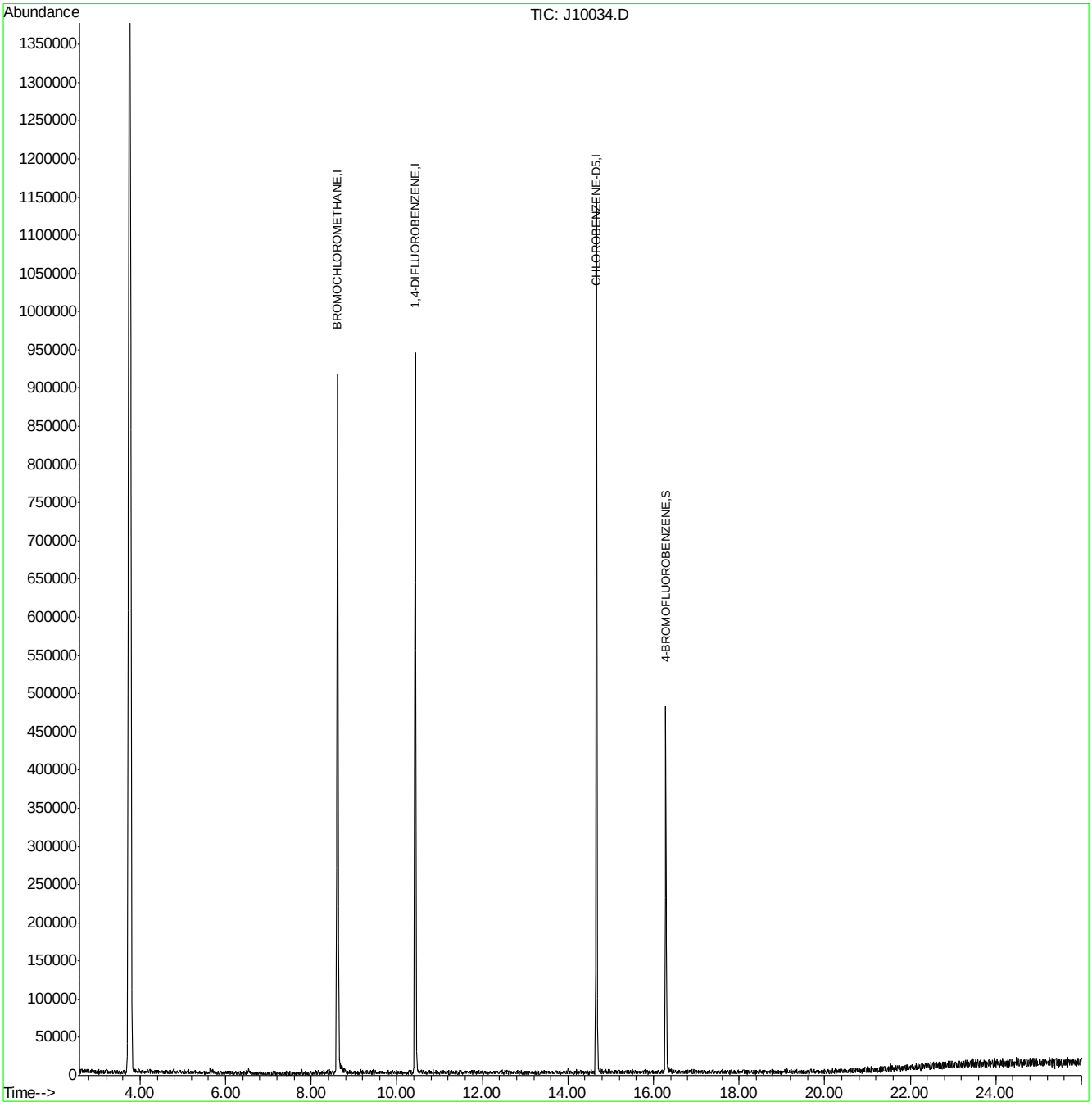
6.5.7

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10034.D
Acq On : 14 Apr 2007 1:38 am
Operator : PhilipB
Sample : BLK (M044)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 16 08:45:38 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10036.D
Acq On : 14 Apr 2007 3:18 am
Operator : PhilipB
Sample : BLK (M098)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 09:28:39 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	257118	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.44	114	543681	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	434224	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	104048	4.00	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 80.00%

Target Compounds	Qvalue

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

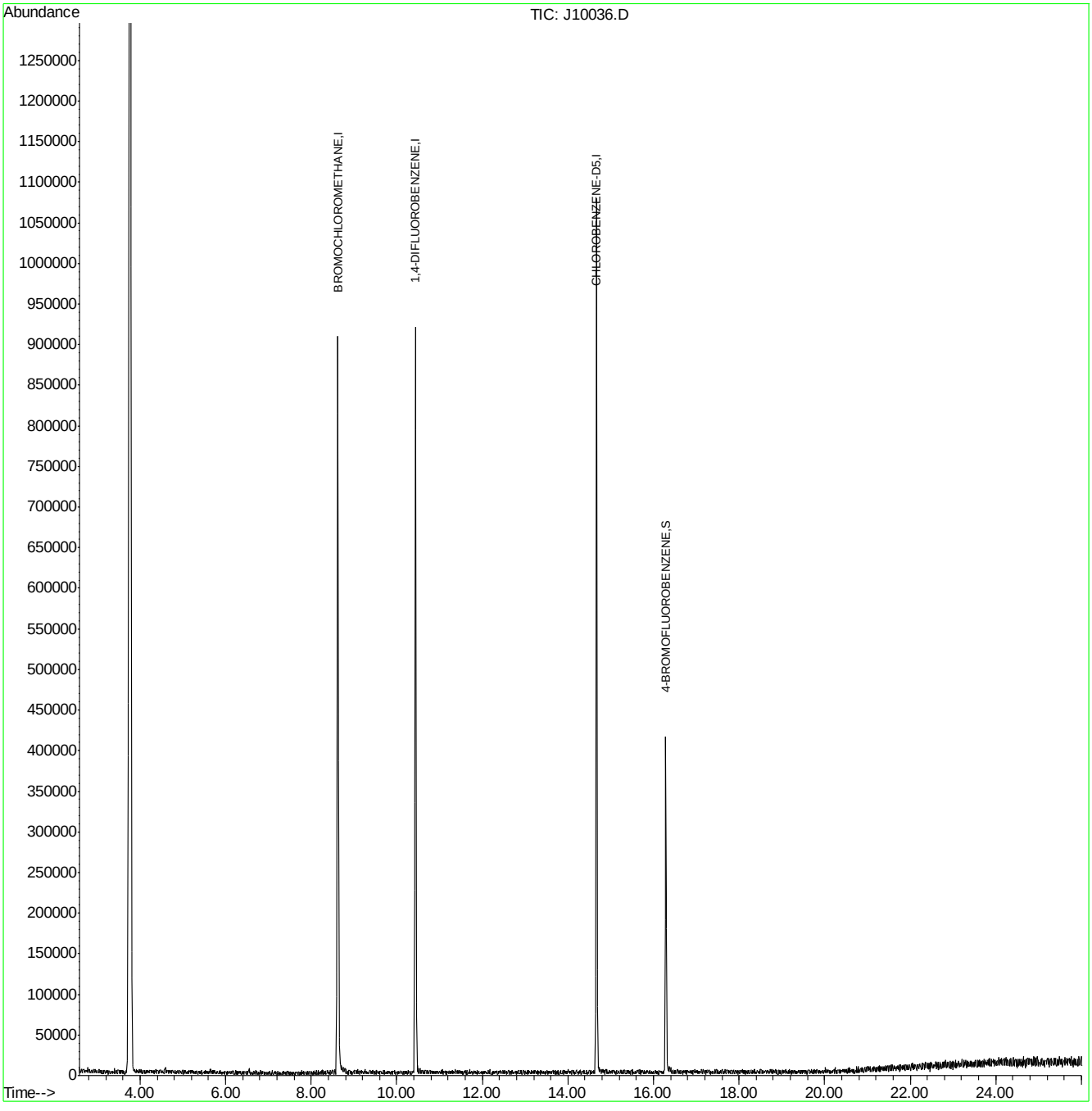
6.5.8

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10036.D
Acq On : 14 Apr 2007 3:18 am
Operator : PhilipB
Sample : BLK (M098)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 09:28:39 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration



J040507T.M Mon Apr 16 11:27:46 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10041.D
Acq On : 14 Apr 2007 7:25 am
Operator : PhilipB
Sample : BLK (M114)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 09:35:14 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	236915	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	519952	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	424596	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	103062	4.05	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.00%

Target Compounds	Qvalue

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

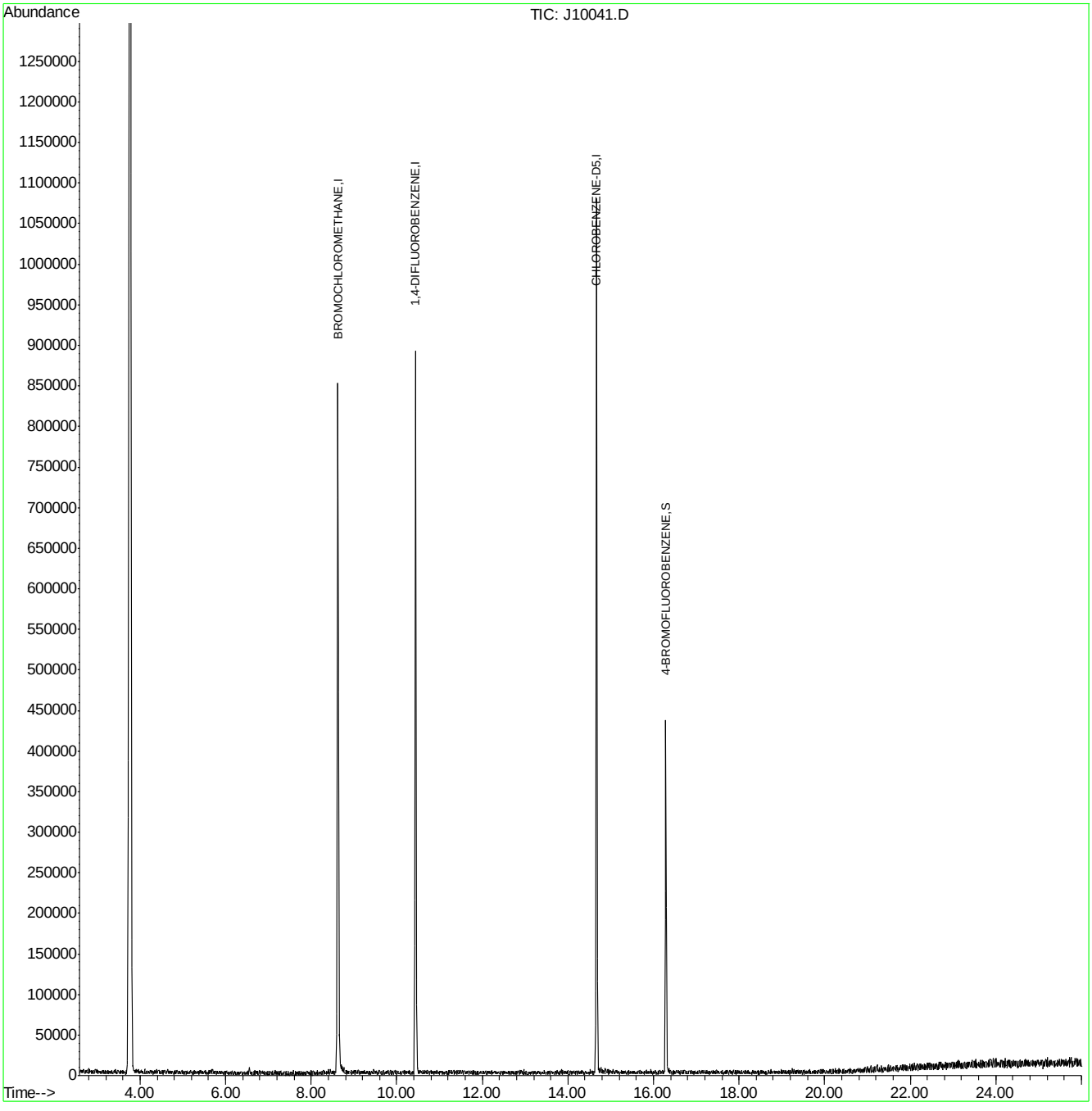
6.5.9

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10041.D
Acq On : 14 Apr 2007 7:25 am
Operator : PhilipB
Sample : BLK (M114)
Misc : MS13373, MSJ518,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 09:35:14 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 13 13:41:50 2007
Response via : Initial Calibration

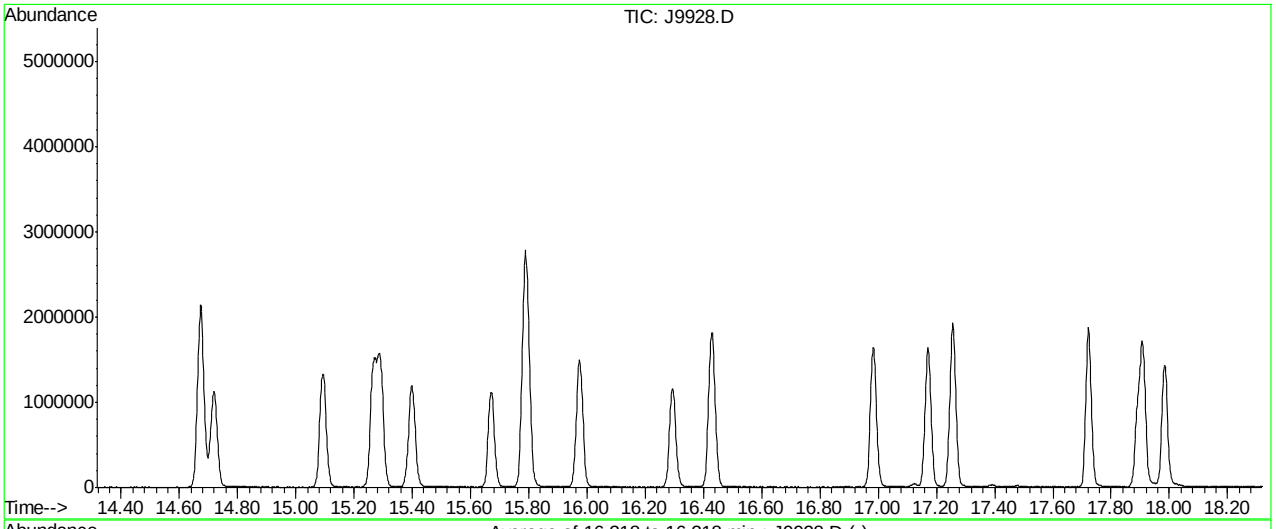


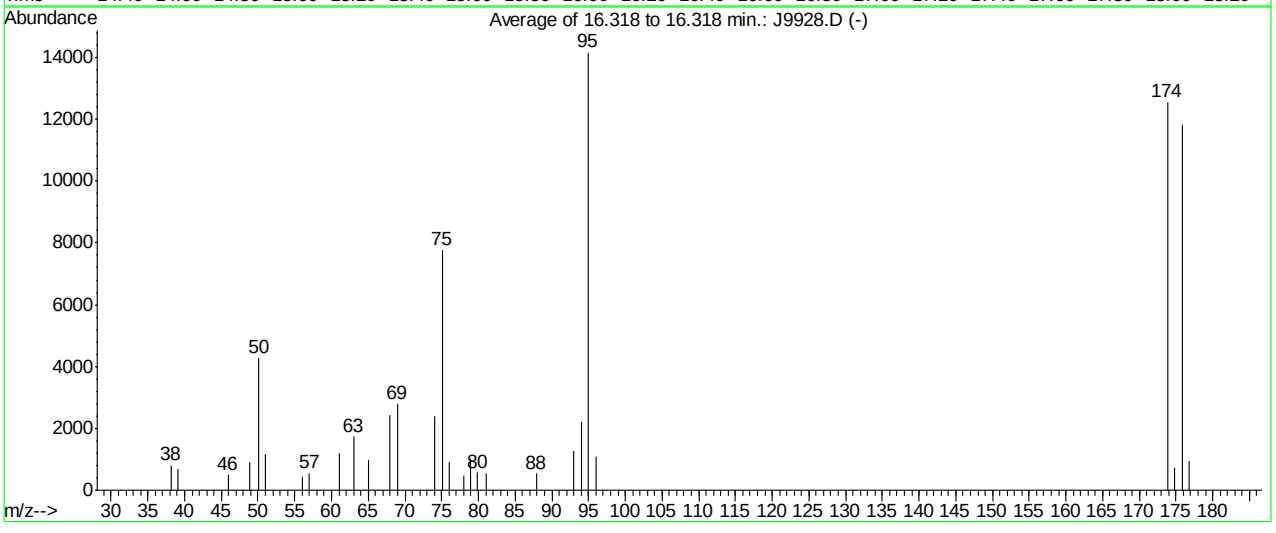
BFB

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

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

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





Spectrum Information: Average of 16.318 to 16.318 min.

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

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

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

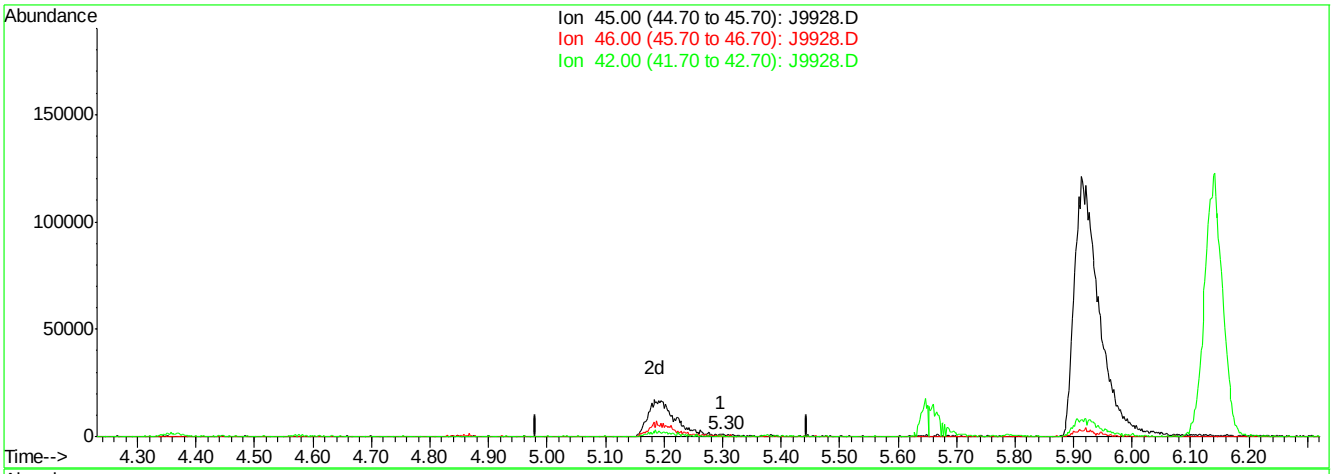
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	799	68.00	2426	94.00	2219		
39.10	692	69.00	2778	94.95	14160		
45.90	505	74.10	2397	96.00	1090		
48.90	901	75.10	7769	173.80	12562		
50.10	4273	76.10	912	174.80	735		
51.00	1177	78.00	474	175.90	11811		
56.00	435	78.90	1022	176.70	949		
57.00	555	79.90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

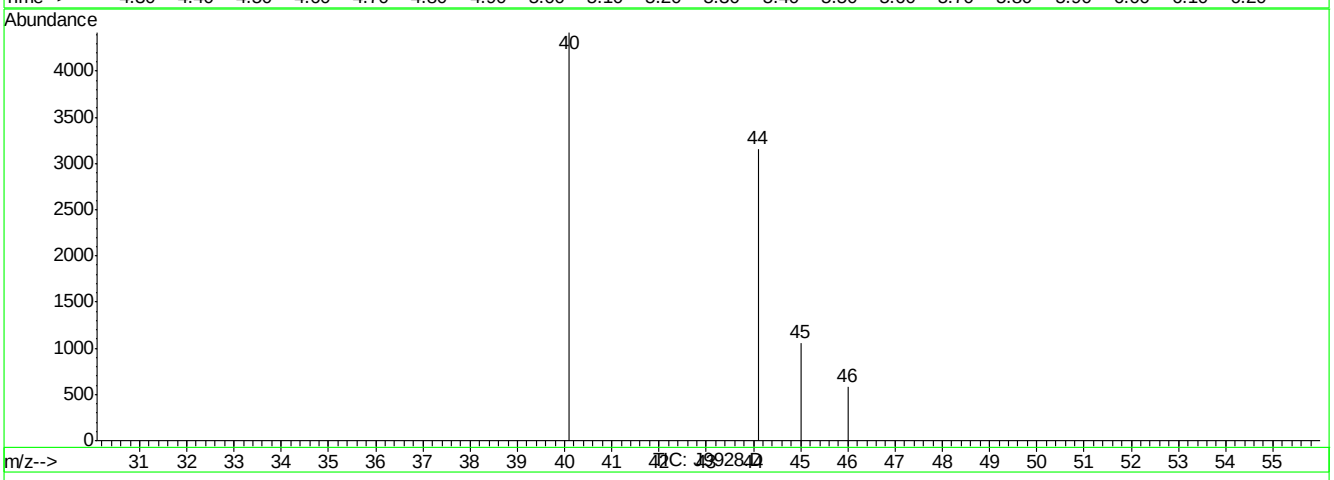
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.30min 0.23PPBV

response 1403

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

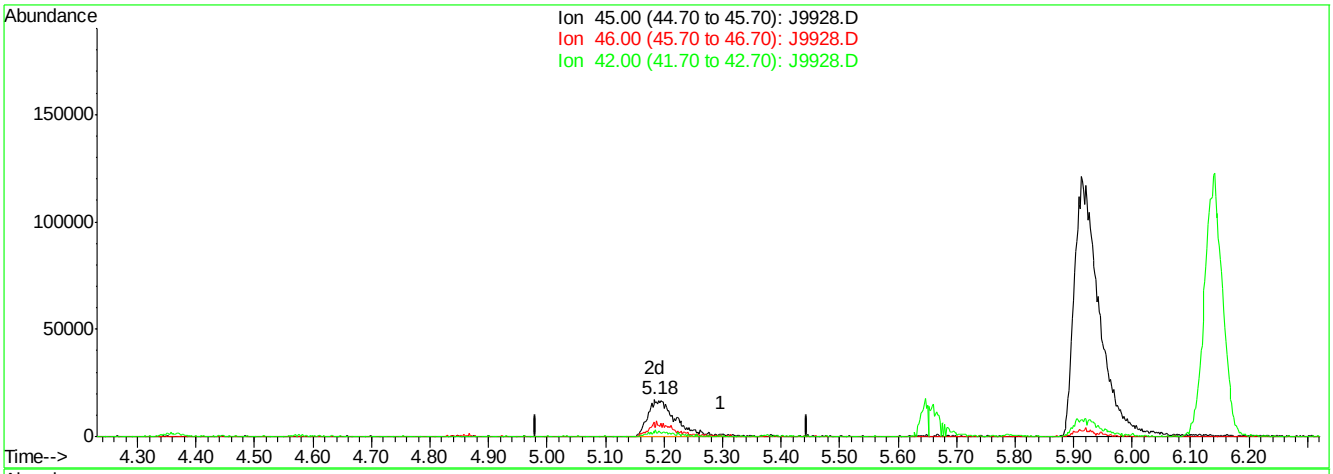
J9928.D J040407T.M Thu Apr 05 13:47:05 2007

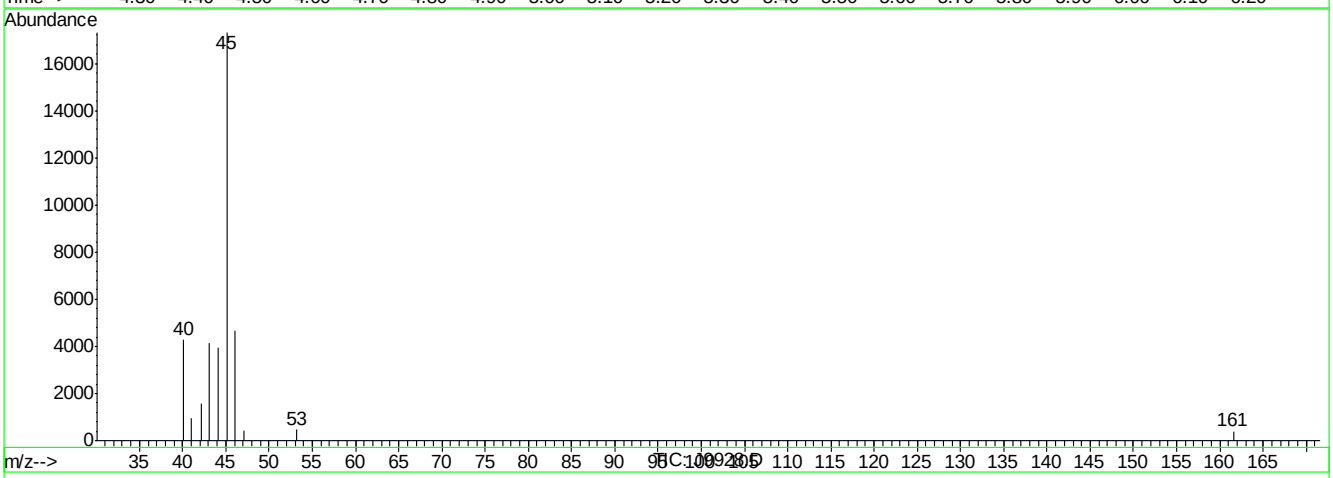
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.18min 9.58PPBV m

response 57892

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

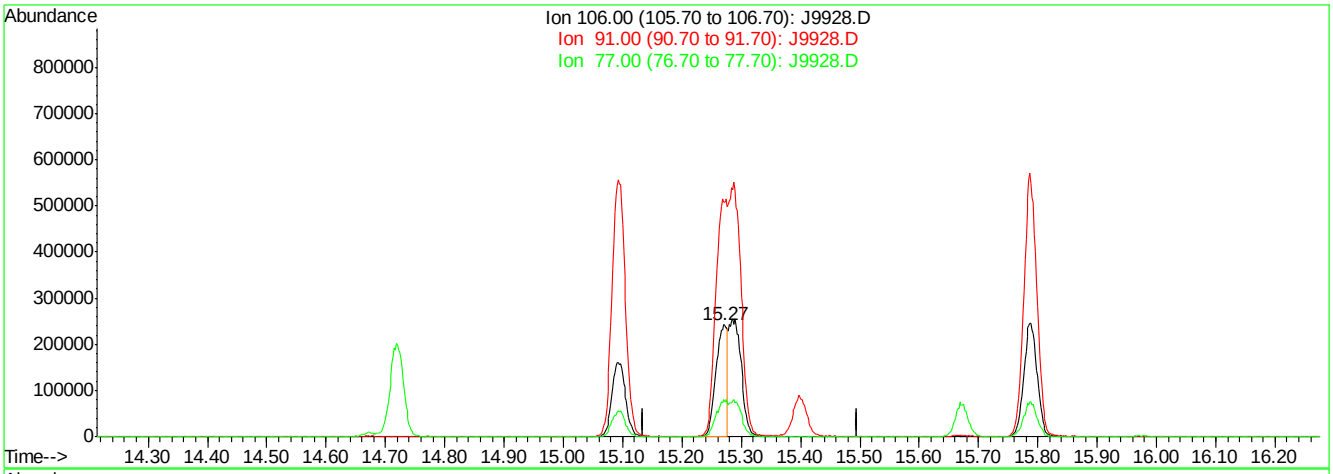
J9928.D J040407T.M Thu Apr 05 13:47:09 2007

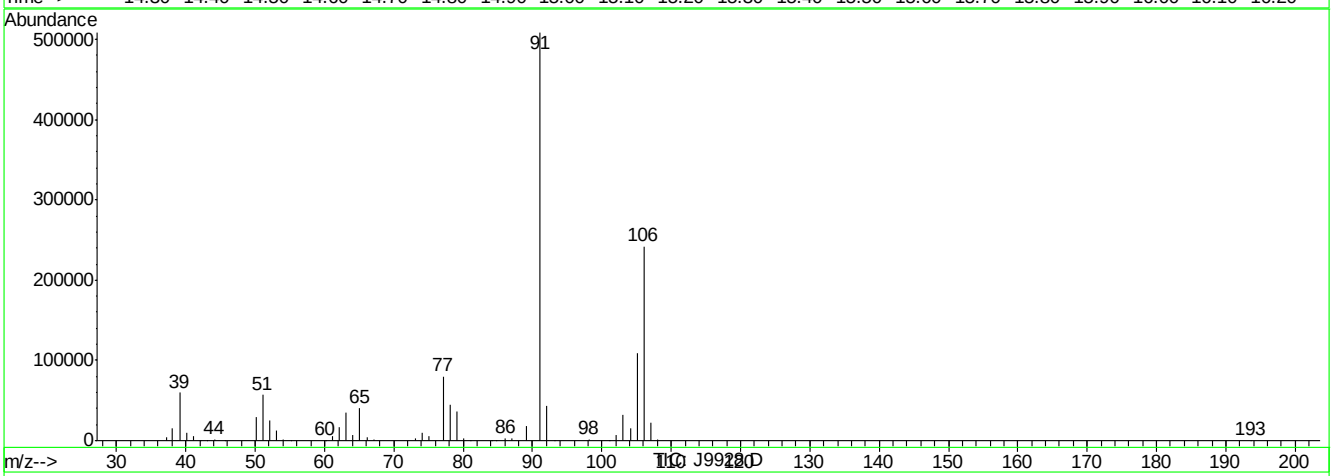
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.27min 5.76PPBV

response 321323

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

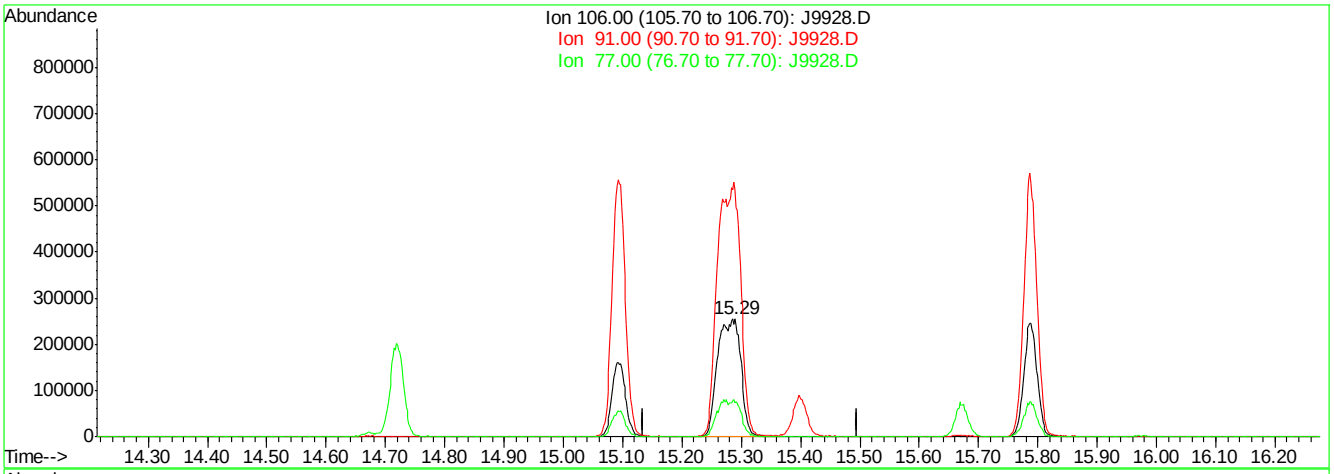
J9928.D J040407T.M Thu Apr 05 13:47:33 2007

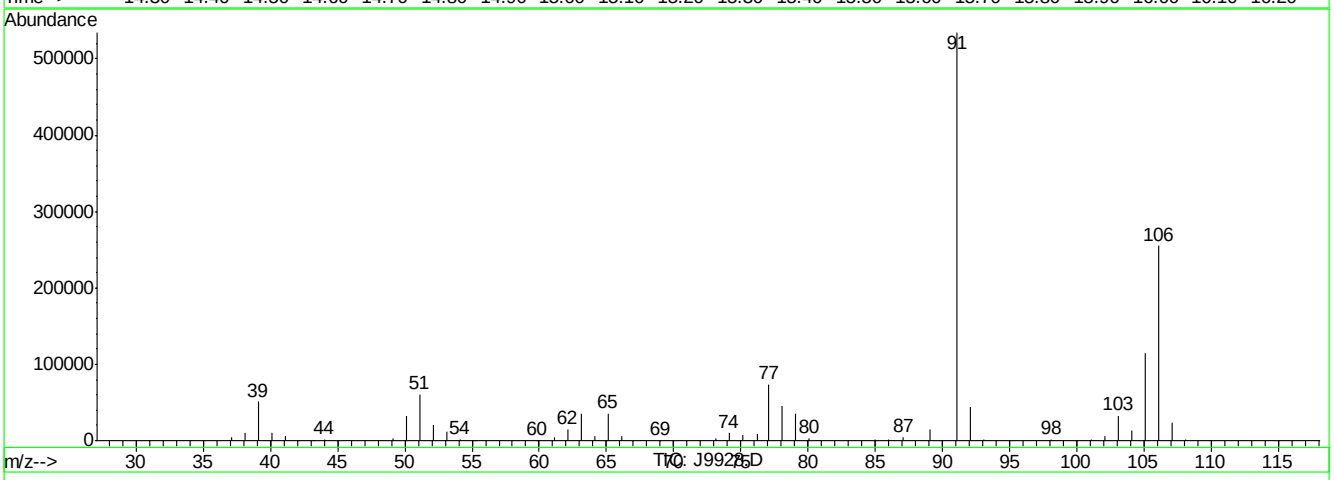
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.29min 12.37PPBV m

response 689985

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

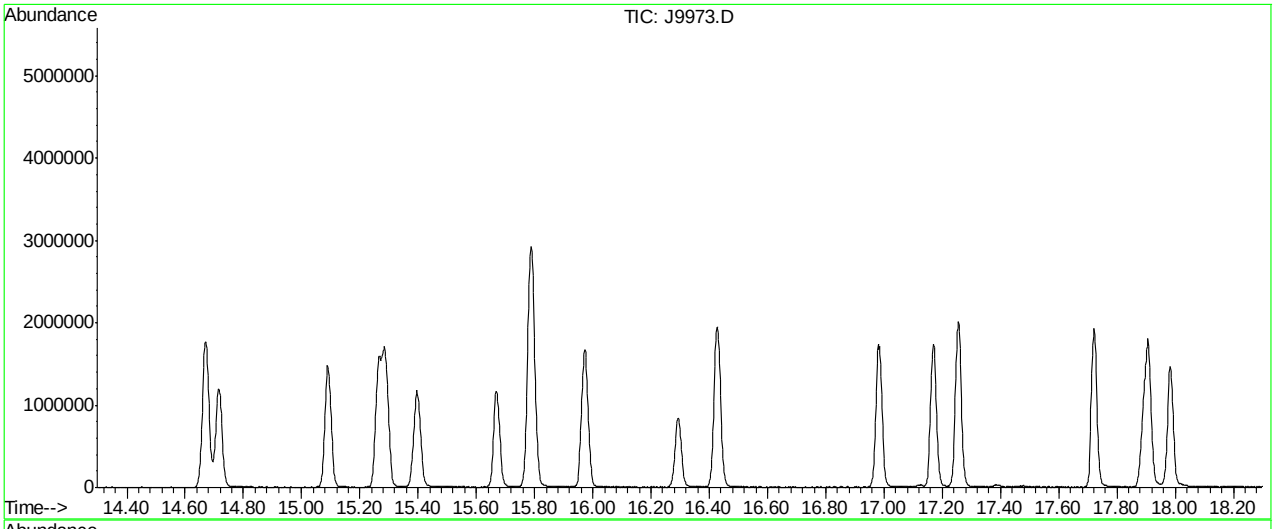
J9928.D J040407T.M Thu Apr 05 13:47:37 2007

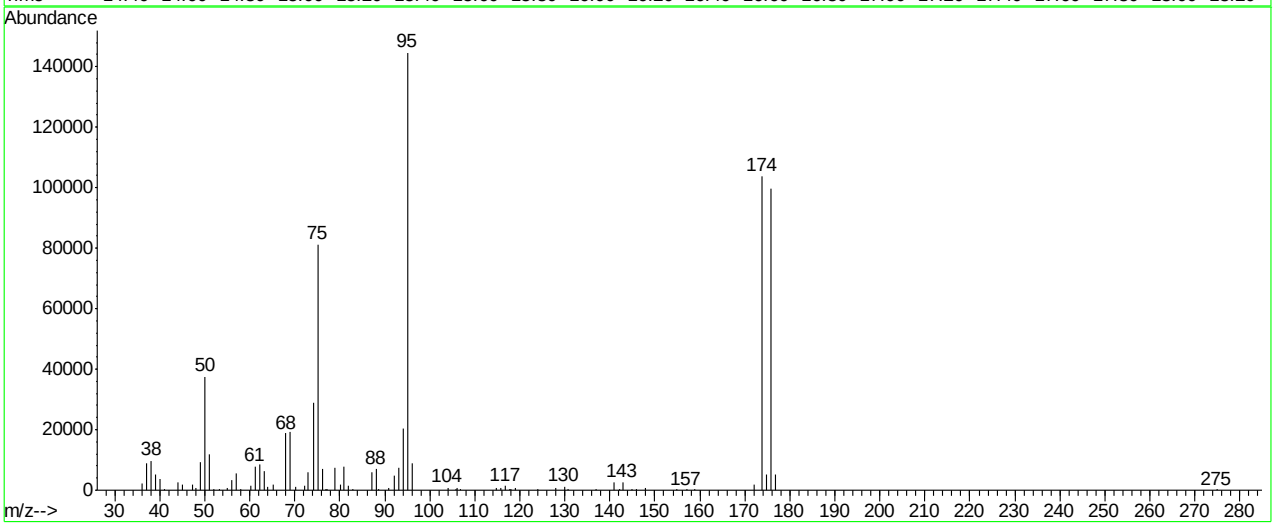
BFB

Data File : C:\MSDCHEM\1\DATA\J9973.D
Acq On : 10 Apr 2007 1:53 pm
Sample : CC513-10 (M119)
Misc : MS13352, MSJ516,,,,,1
MS Integration Params: LSCINT.P

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

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





Spectrum Information: Average of 16.297 to 16.299 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.9	37524	PASS
75	95	30	66	56.2	81320	PASS
95	95	100	100	100.0	144704	PASS
96	95	5	9	6.1	8796	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	71.8	103832	PASS
175	174	4	9	5.0	5212	PASS
176	174	93	101	96.2	99848	PASS
177	176	5	9	5.4	5375	PASS

J9973.D J040507T.M Wed Apr 11 09:05:20 2007

Average of 16.297 to 16.299 min.: J9973.D
CC513-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2193	50.10	37524	63.10	6380	76.90	365
37.10	8970	51.10	11690	64.05	1036	77.10	482
38.15	9643	52.10	276	65.10	1821	79.00	7355
39.10	5335	53.20	314	68.05	18804	80.05	2050
40.00	3584	55.10	575	69.05	19284	81.00	7940
41.10	257	56.10	3377	70.20	960	81.90	1471
44.15	2770	57.10	5728	72.15	1437	83.00	364
45.05	1915	58.00	272	73.00	5931	87.00	5804
47.15	1855	60.15	1588	74.10	28928	88.00	6912
48.10	711	61.10	7883	75.10	81320	88.60	316
49.10	9253	62.10	8499	76.10	7130	90.90	836

Average of 16.297 to 16.299 min.: J9973.D
CC513-10 (M119)

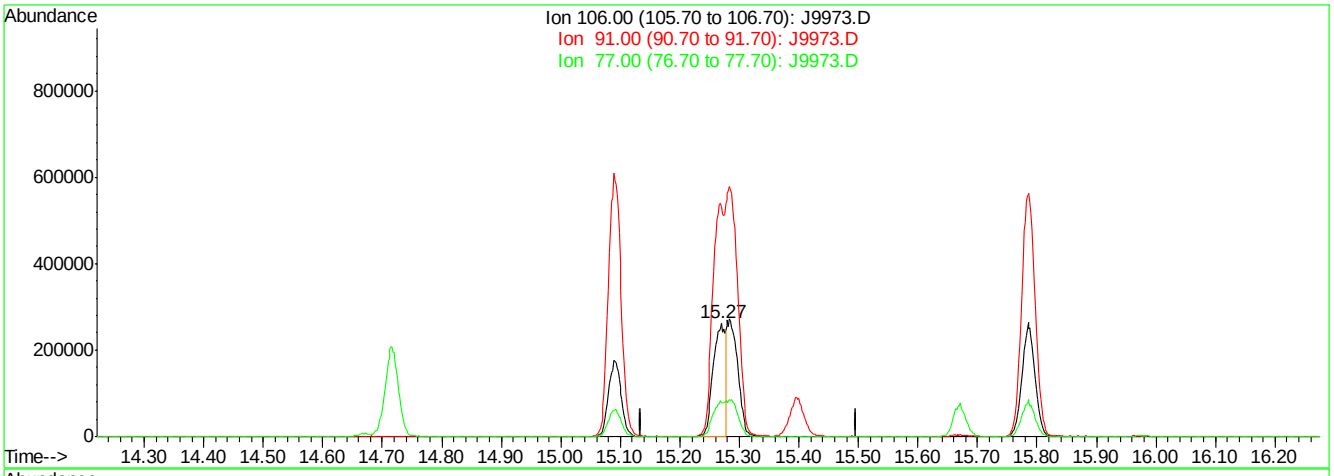
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	4810	116.85	1312	142.90	2759	176.90	5375
93.10	7422	117.70	406	144.85	549	274.90	215
94.10	20524	118.00	516	145.80	334		
95.00	144704	118.95	938	147.85	701		
96.05	8796	123.90	307	154.90	232		
103.95	934	127.85	800	157.00	264		
105.80	408	129.85	1153	158.90	202		
106.00	577	130.80	227	171.95	1945		
106.70	201	136.90	207	173.90	103832		
114.70	599	141.00	2607	174.90	5212		
115.85	614	142.10	260	175.90	99848		

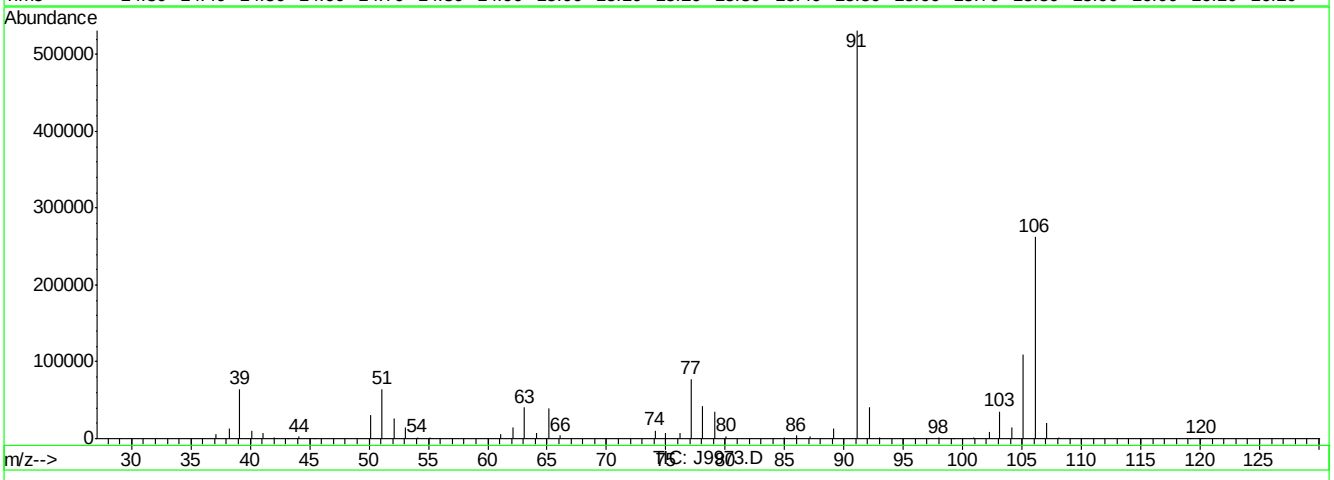
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9973.D Vial: 4
Acq On : 10 Apr 2007 1:53 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13352, MSJ516,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 09:00:11 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.27min 12.81PPBV

response 360071

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	202.49
77.00	27.10	29.64
0.00	0.00	0.00

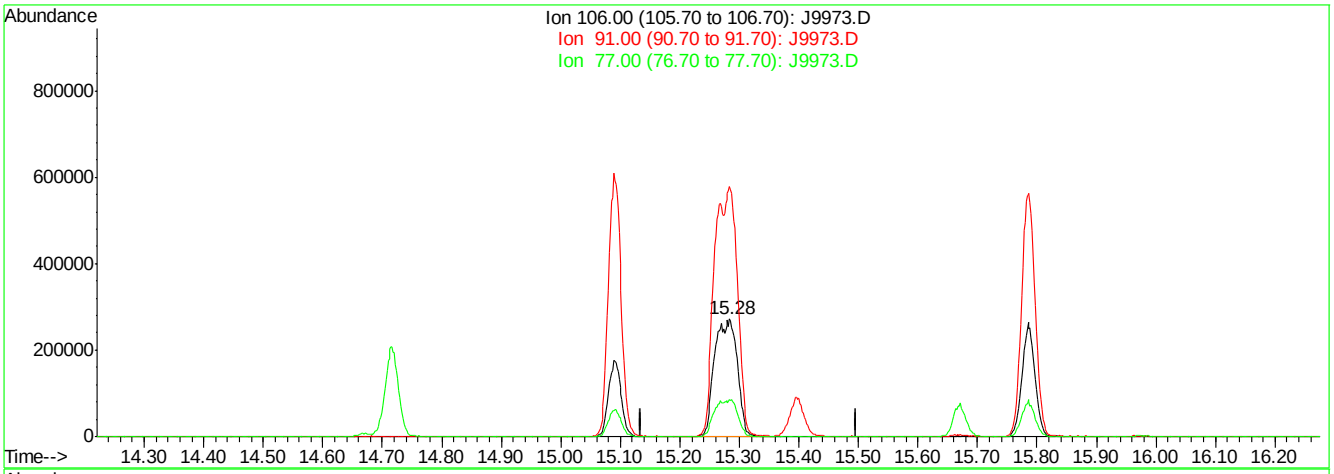
J9973.D J040507T.M Wed Apr 11 09:01:00 2007

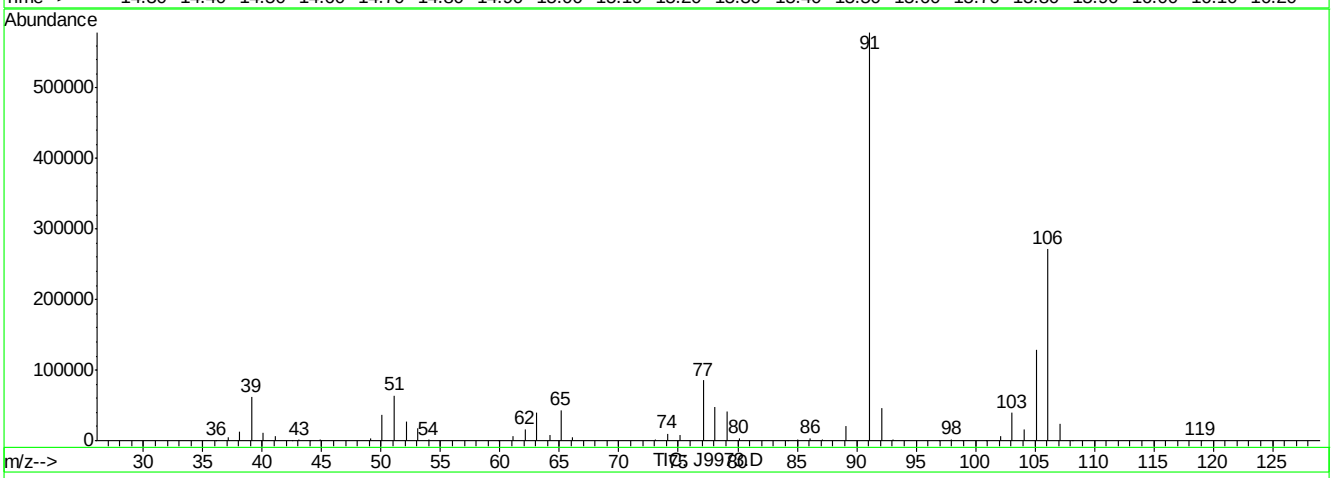
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9973.D Vial: 4
Acq On : 10 Apr 2007 1:53 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13352, MSJ516,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 09:00:11 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.28min 22.79PPBV m

response 712110

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	213.21
77.00	27.10	31.61
0.00	0.00	0.00

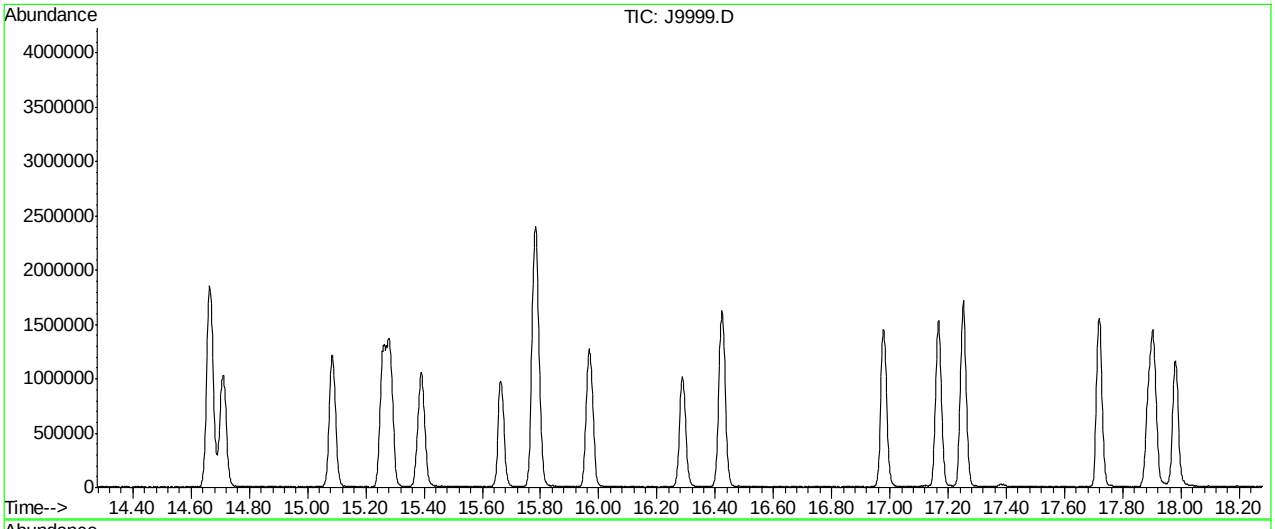
J9973.D J040507T.M Wed Apr 11 09:01:05 2007

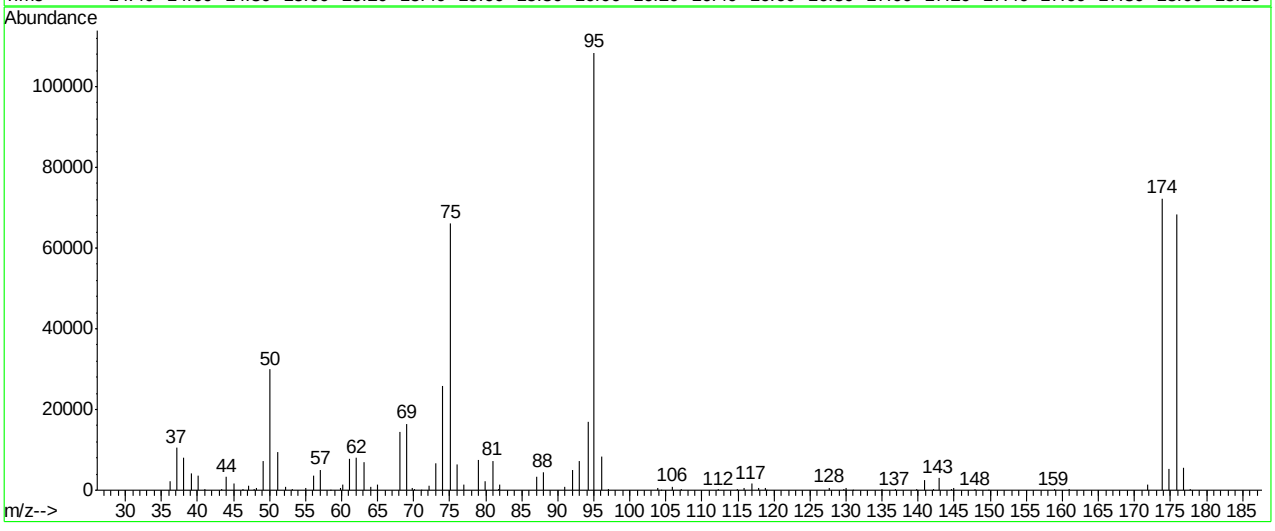
BFB

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

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

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





Spectrum Information: Average of 16.276 to 16.279 min.

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

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

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

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

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

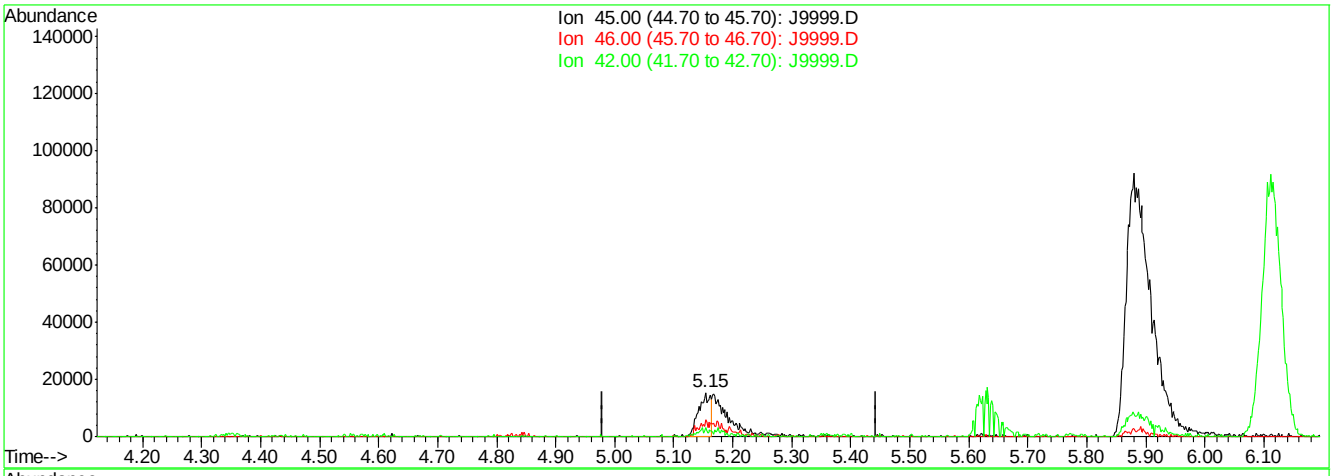
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.00	1481	104.40	142	129.70	205	147.90	223
87.05	3429	105.95	886	129.95	486	149.70	133
87.95	4541	107.20	165	131.00	136	158.90	241
90.95	884	112.30	237	134.90	155	160.90	175
92.05	5070	114.90	280	136.80	210	171.90	1489
93.00	7282	115.90	663	139.75	310	173.90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

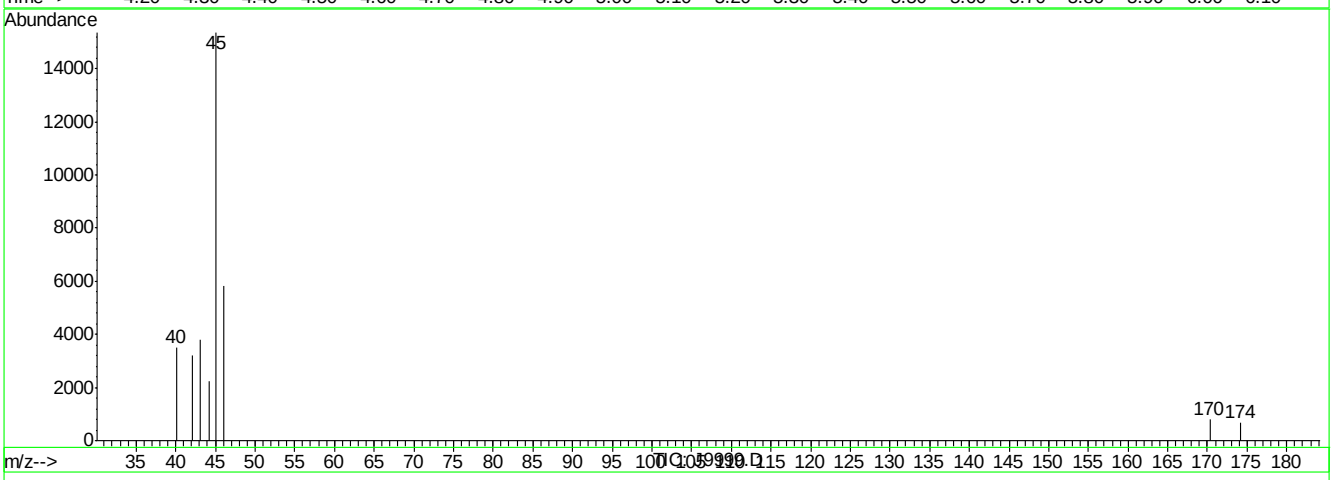
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.15min 3.19PPBV

response 21586

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

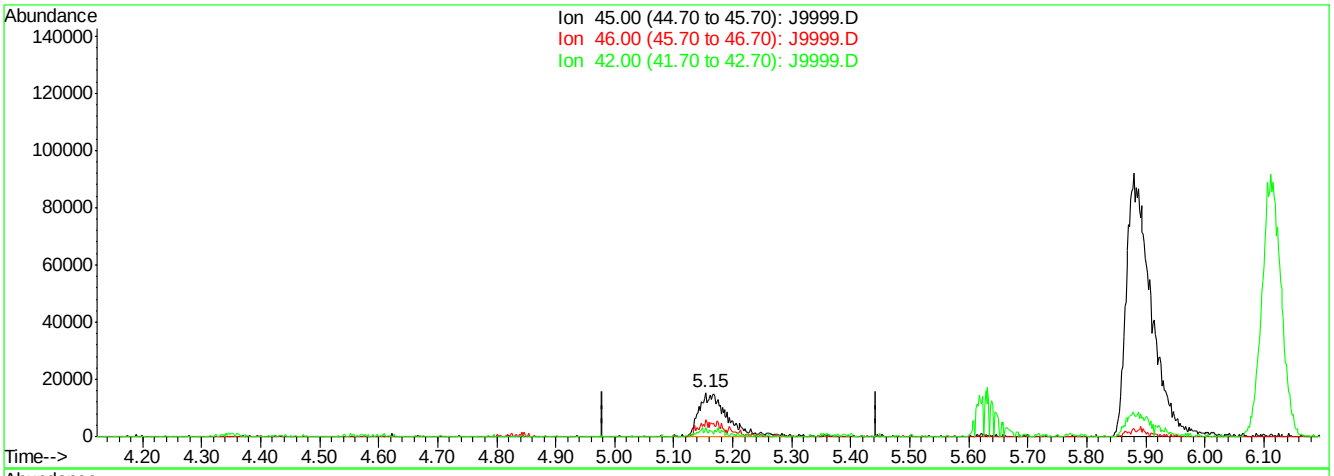
J9999.D J040507T.M Wed Apr 11 15:28:13 2007

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.15min 8.74PPBV m

response 49903

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

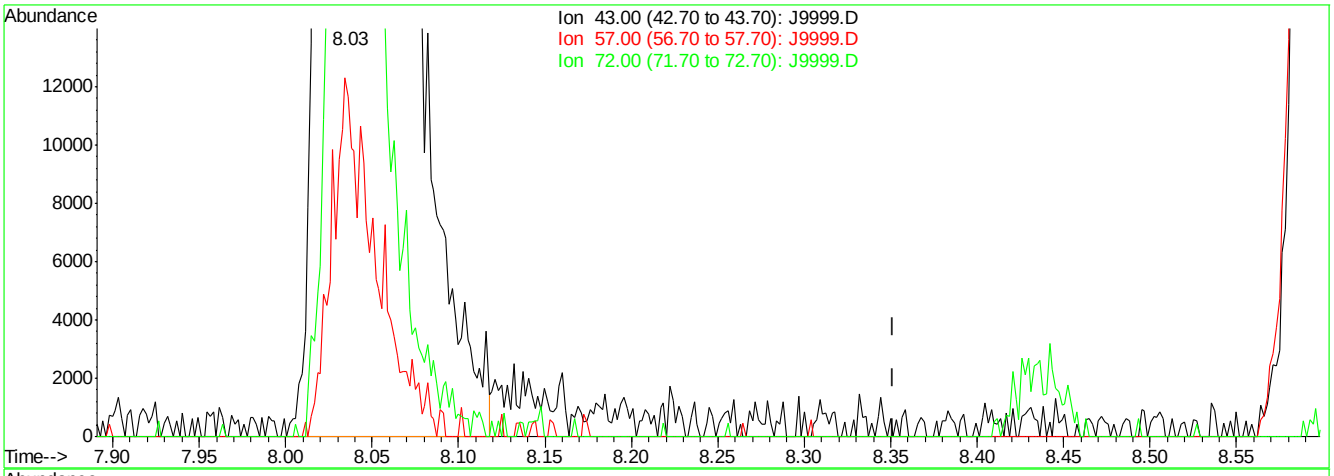
J9999.D J040507T.M Wed Apr 11 15:28:20 2007

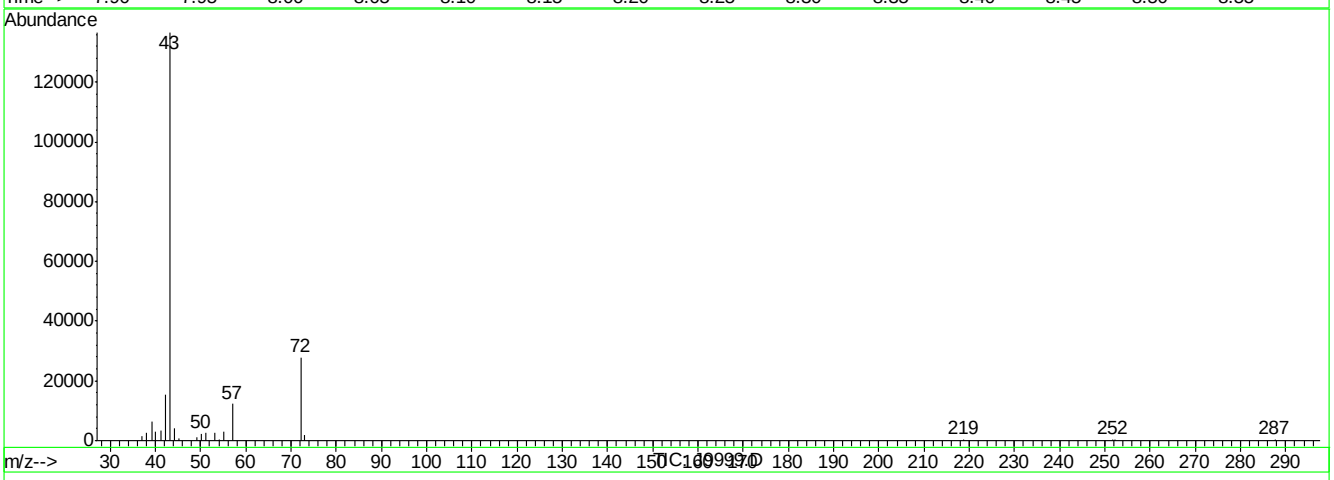
Quantitation Report (Qedit)

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

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

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





(28) METHYL ETHYL KETONE (m)

8.03min 6.82PPBV

response 290089

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

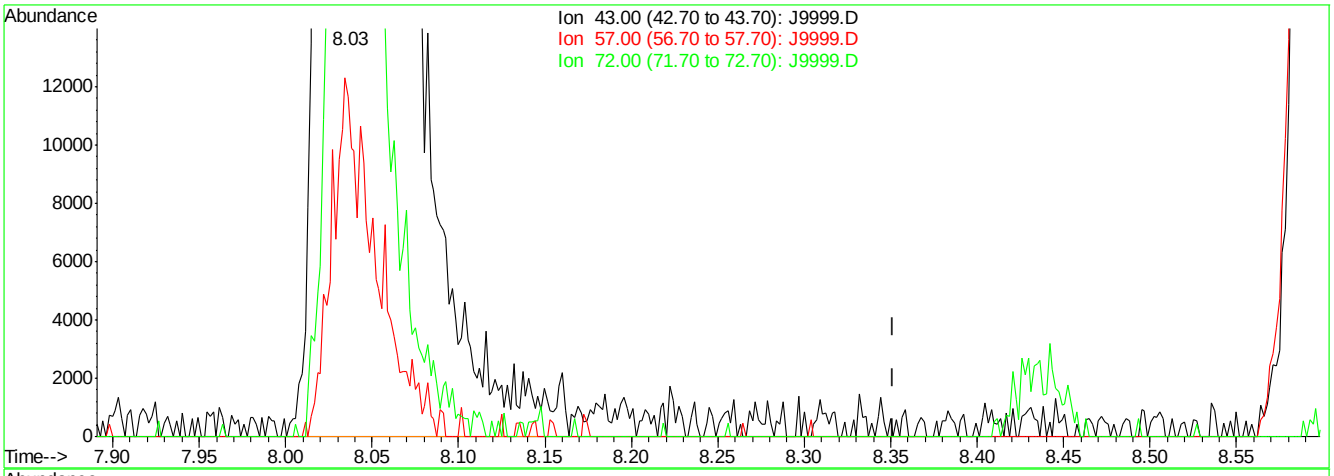
J9999.D J040507T.M Wed Apr 11 15:28:38 2007

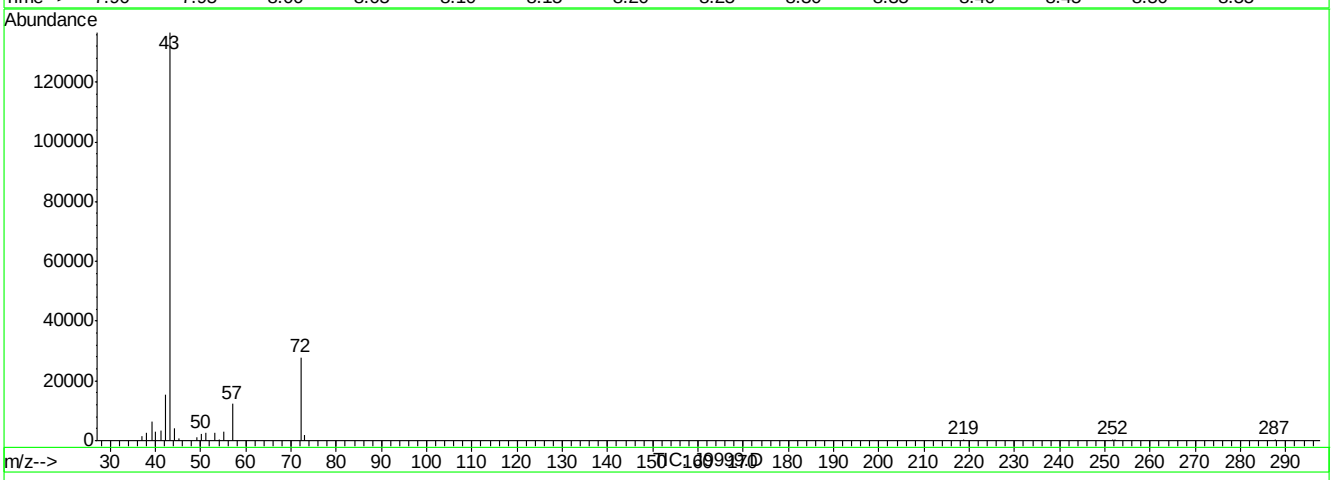
Quantitation Report (Qedit)

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

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

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





(28) METHYL ETHYL KETONE (m)

8.03min 7.07PPBV m

response 300912

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

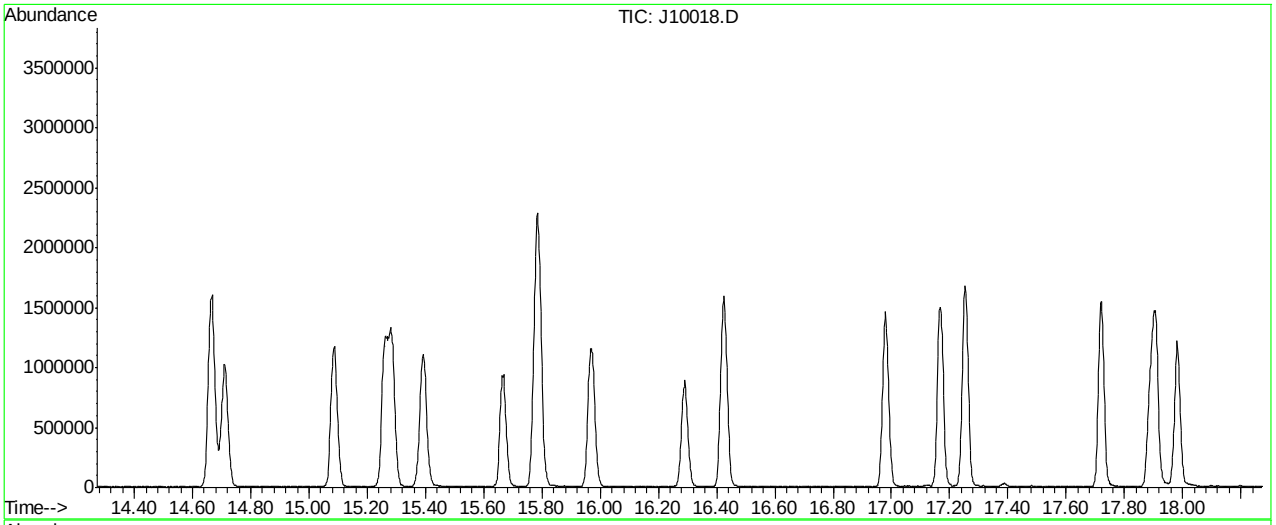
J9999.D J040507T.M Wed Apr 11 15:28:43 2007

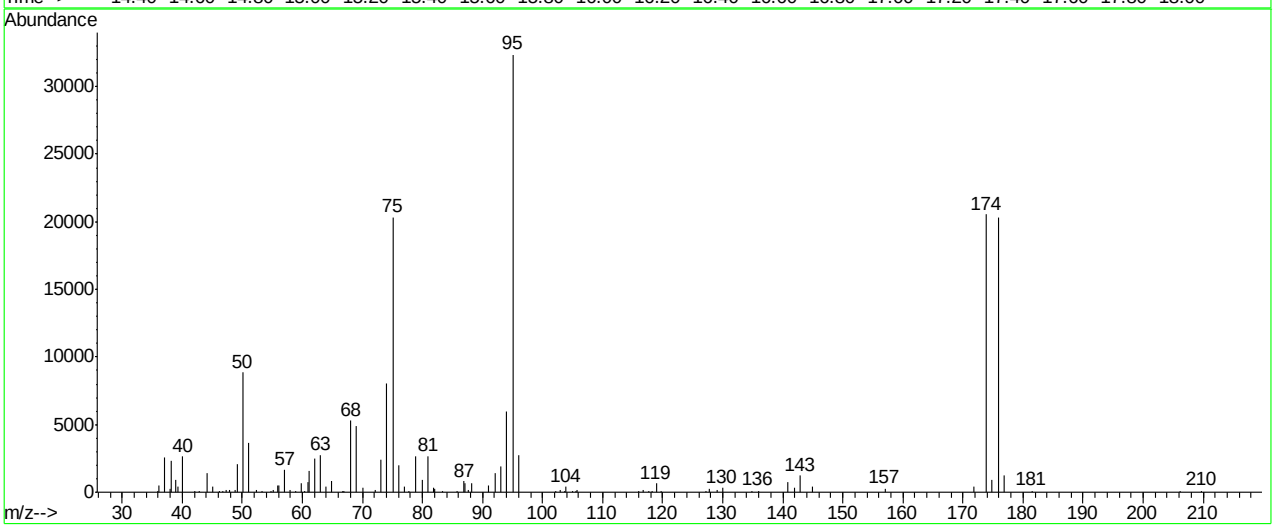
BFB

Data File : C:\MSDCHEM\1\DATA\J10018.D
Acq On : 13 Apr 2007 9:41 am
Sample : CC513-10 (M119)
Misc : MS13373, MSJ518,,,,,1
MS Integration Params: LSCINT.P

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

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





Spectrum Information: Average of 16.269 to 16.276 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.4	8862	PASS
75	95	30	66	62.9	20345	PASS
95	95	100	100	100.0	32368	PASS
96	95	5	9	8.3	2699	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	63.4	20530	PASS
175	174	4	9	4.6	935	PASS
176	174	93	101	98.8	20290	PASS
177	176	5	9	6.2	1248	PASS

J10018.D J040507T.M Fri Apr 13 15:10:43 2007

Average of 16.269 to 16.276 min.: J10018.D
CC513-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	126	45.10	419	54.80	125	62.05	2485
36.10	508	46.10	120	55.10	144	63.05	2756
37.10	2558	46.70	94	55.95	471	63.95	403
38.00	232	47.30	143	56.10	503	64.95	866
38.15	2334	47.90	155	57.05	1620	66.80	99
39.00	882	48.80	202	58.00	170	67.00	80
39.20	421	49.10	2038	58.80	81	68.05	5294
40.05	2645	50.10	8862	59.85	693	69.05	4891
42.00	98	51.05	3650	60.40	116	70.15	364
42.90	88	52.30	151	61.00	728	72.10	156
44.05	1411	53.30	108	61.10	1547	73.15	2419

Average of 16.269 to 16.276 min.: J10018.D
CC513-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
74.05	8039	83.30	106	96.05	2699	118.20	93
75.05	20345	85.70	125	102.20	87	118.90	660
76.00	1982	86.90	804	103.00	133	119.70	94
76.90	386	87.10	686	103.60	83	127.20	97
77.80	105	87.70	178	103.90	410	127.85	234
78.95	2624	88.10	632	104.90	110	129.10	185
79.95	915	90.95	500	105.60	111	130.00	319
80.95	2660	92.05	1443	105.80	131	134.80	117
81.80	181	93.05	1870	116.00	127	135.90	95
81.90	334	94.05	5992	116.75	202	140.85	787
82.05	270	95.05	32368	117.70	118	141.95	352

Average of 16.269 to 16.276 min.: J10018.D
CC513-10 (M119)

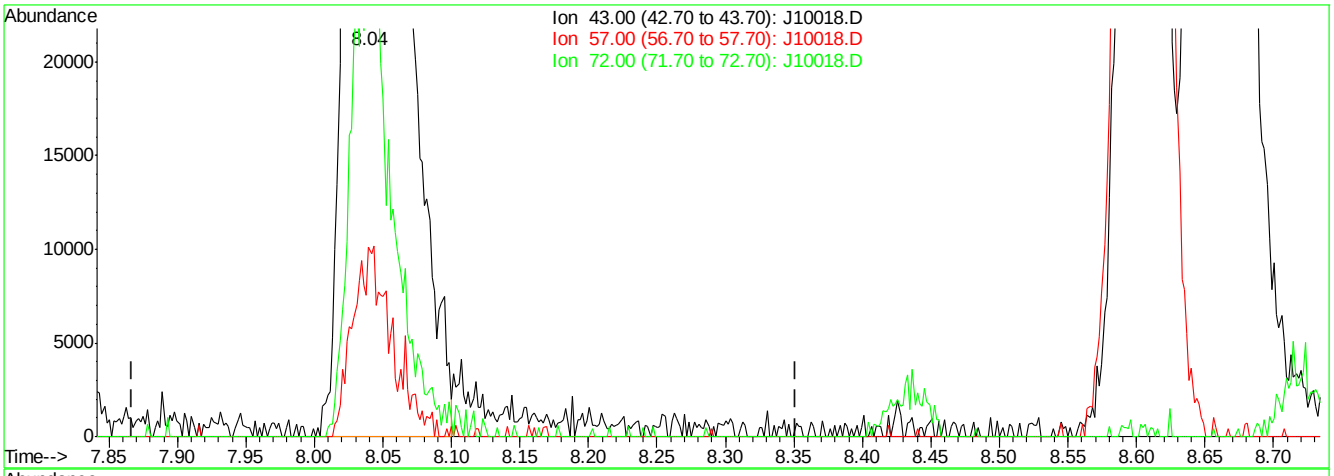
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.95	1229						
144.85	386						
157.00	255						
171.85	437						
173.90	20530						
174.90	935						
175.85	20290						
176.85	1248						
181.50	117						
206.10	85						
209.80	91						

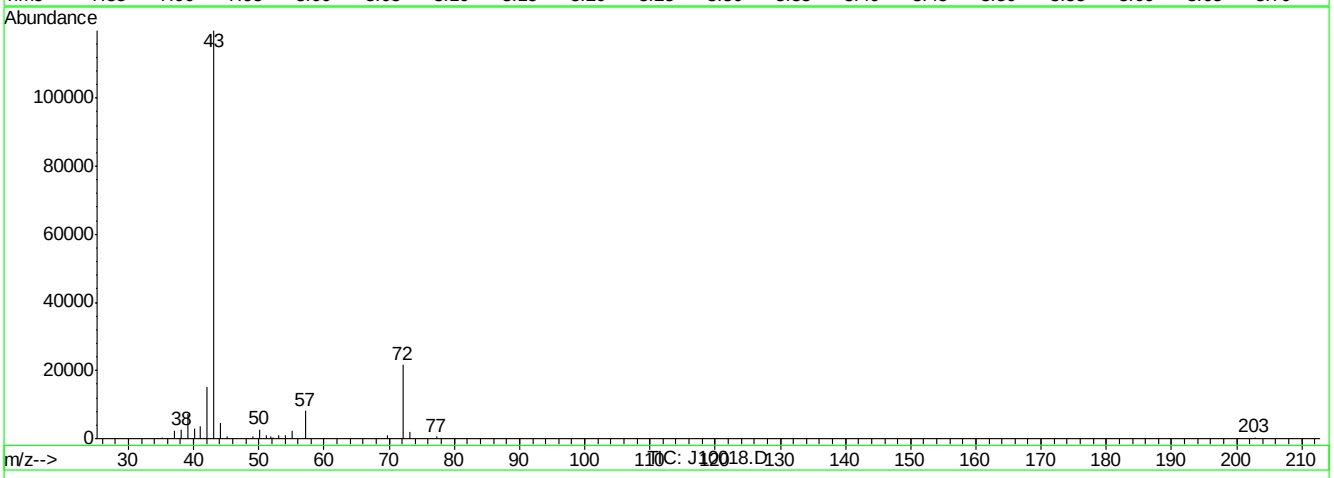
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(28) METHYL ETHYL KETONE (m)

8.04min 6.85PPBV

response 263344

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	6.76
72.00	25.60	18.09
0.00	0.00	0.00

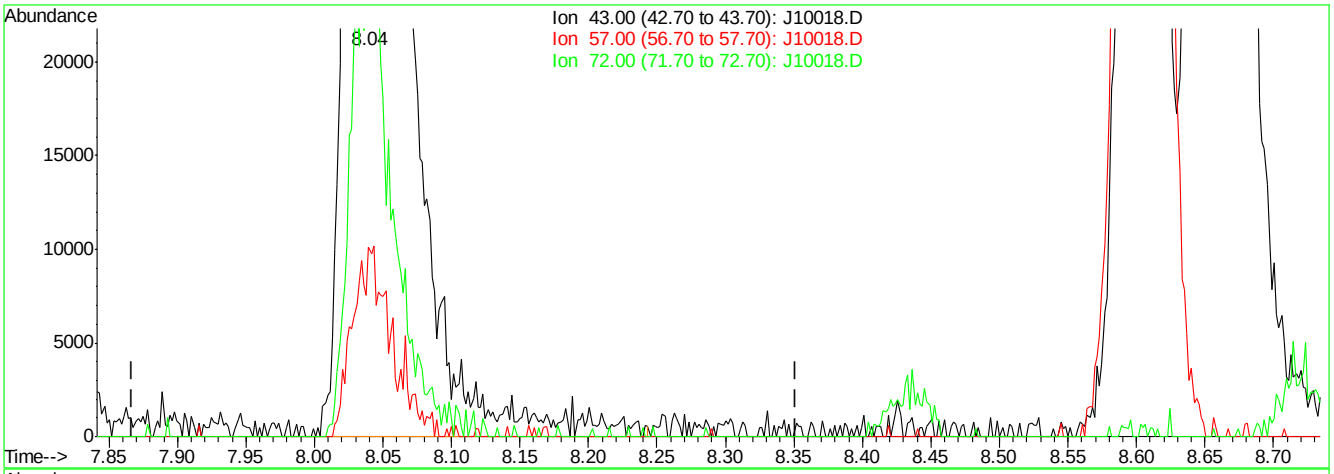
J10018.D J040507T.M Fri Apr 13 10:53:13 2007

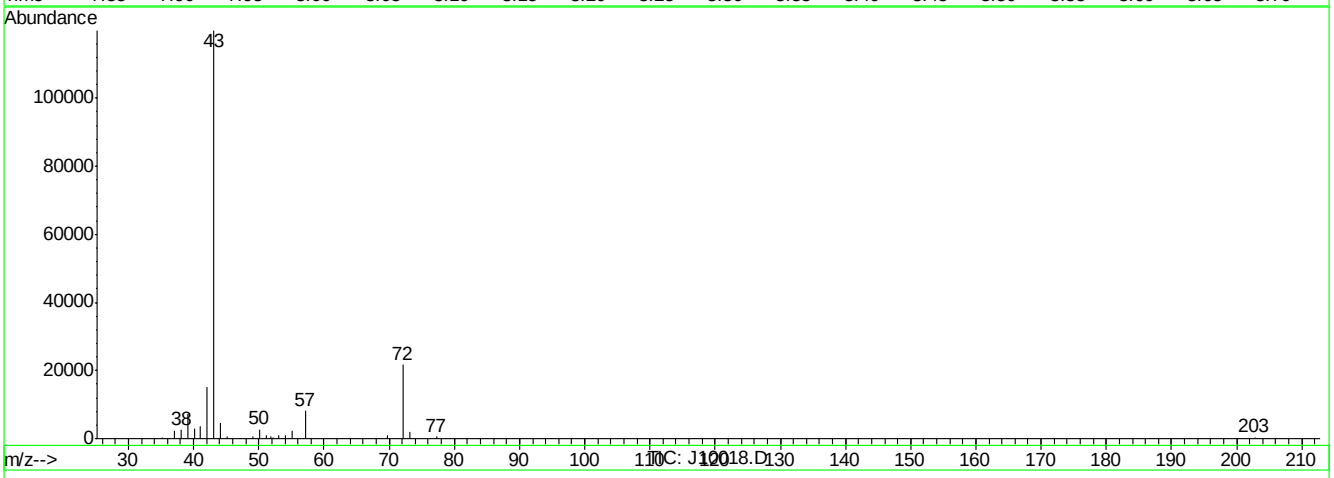
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(28) METHYL ETHYL KETONE (m)

8.04min 7.11PPBV m

response 273047

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	6.76
72.00	25.60	18.09
0.00	0.00	0.00

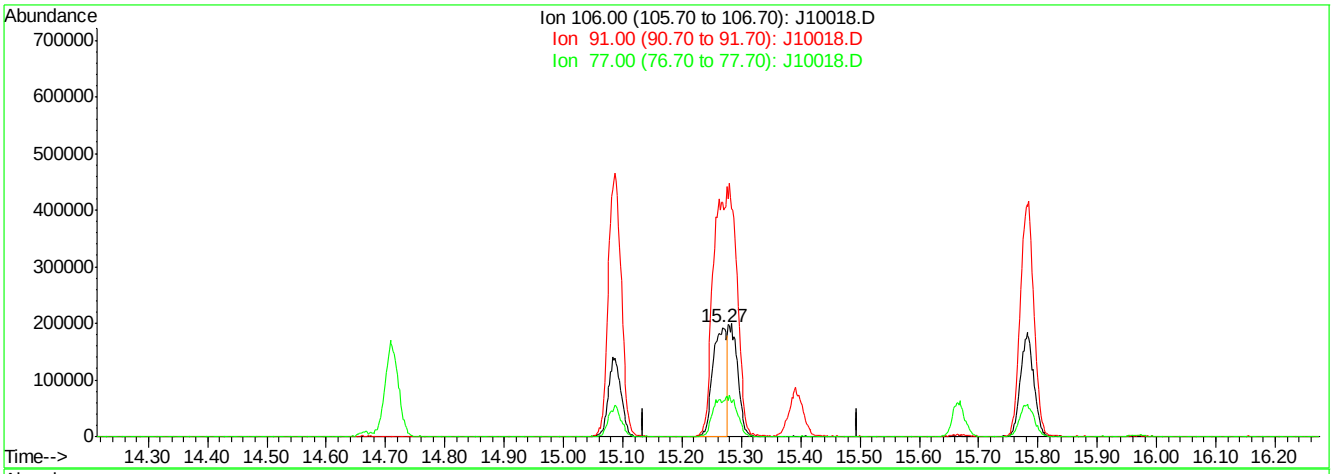
J10018.D J040507T.M Fri Apr 13 10:53:19 2007

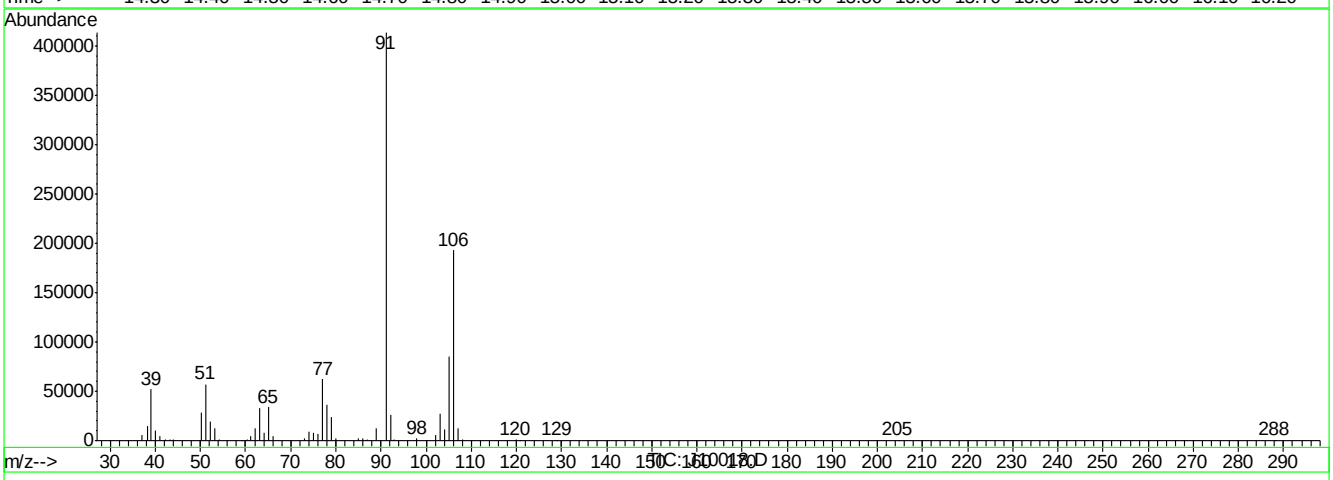
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.27min 12.81PPBV

response 316859

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	214.55
77.00	27.10	32.23
0.00	0.00	0.00

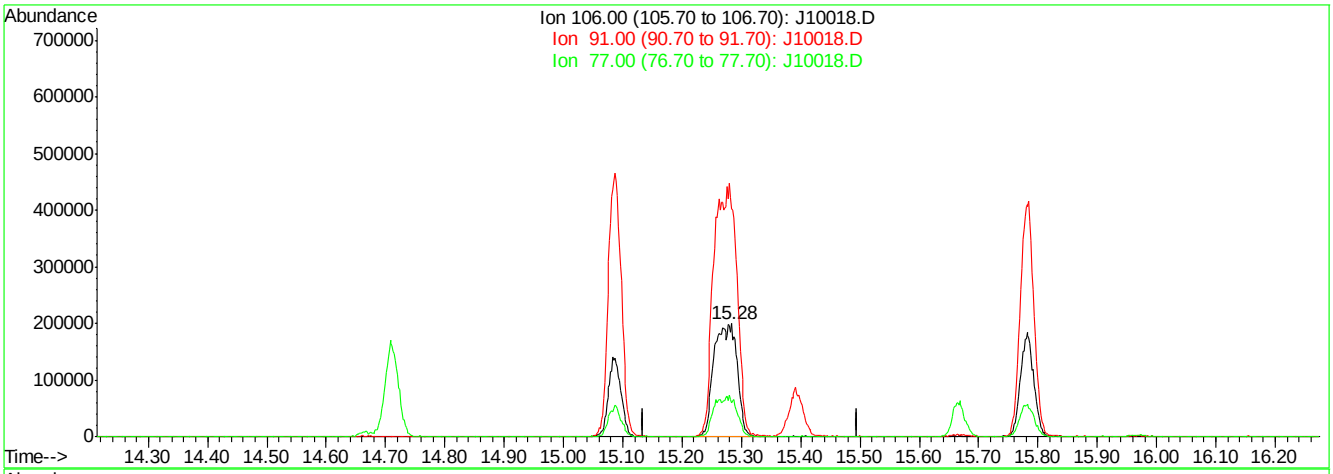
J10018.D J040507T.M Fri Apr 13 10:53:25 2007

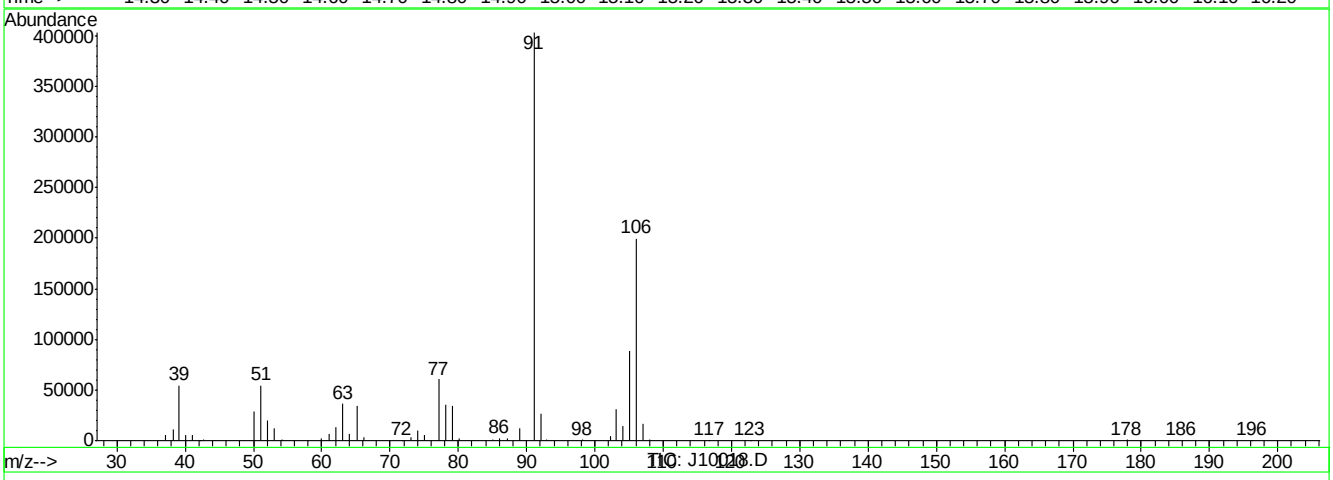
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.28min 19.92PPBV m

response 533233

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	201.92
77.00	27.10	30.28
0.00	0.00	0.00

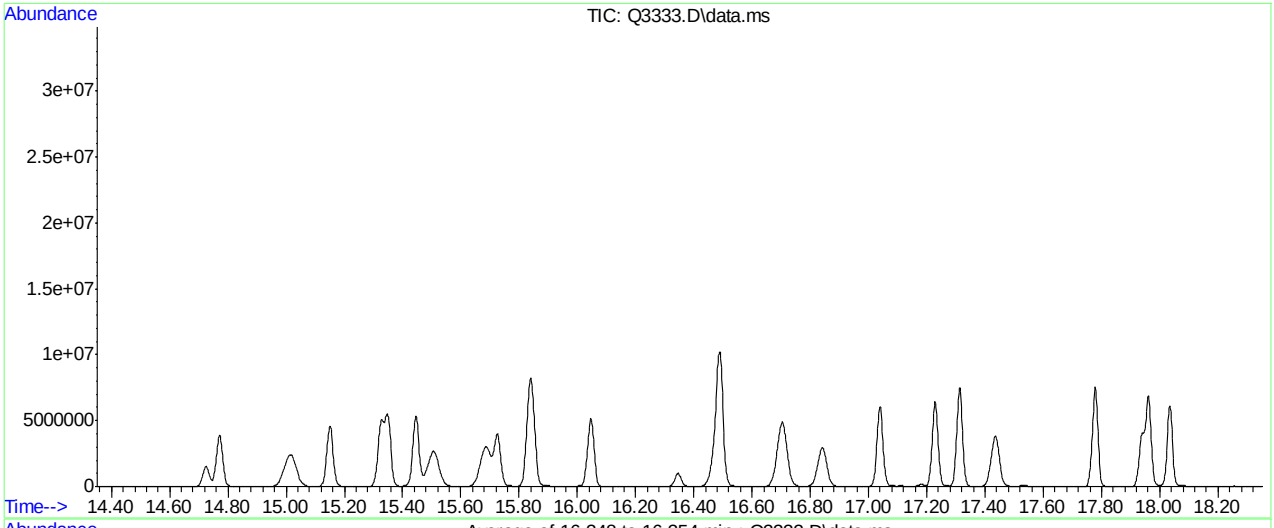
J10018.D J040507T.M Fri Apr 13 10:53:28 2007

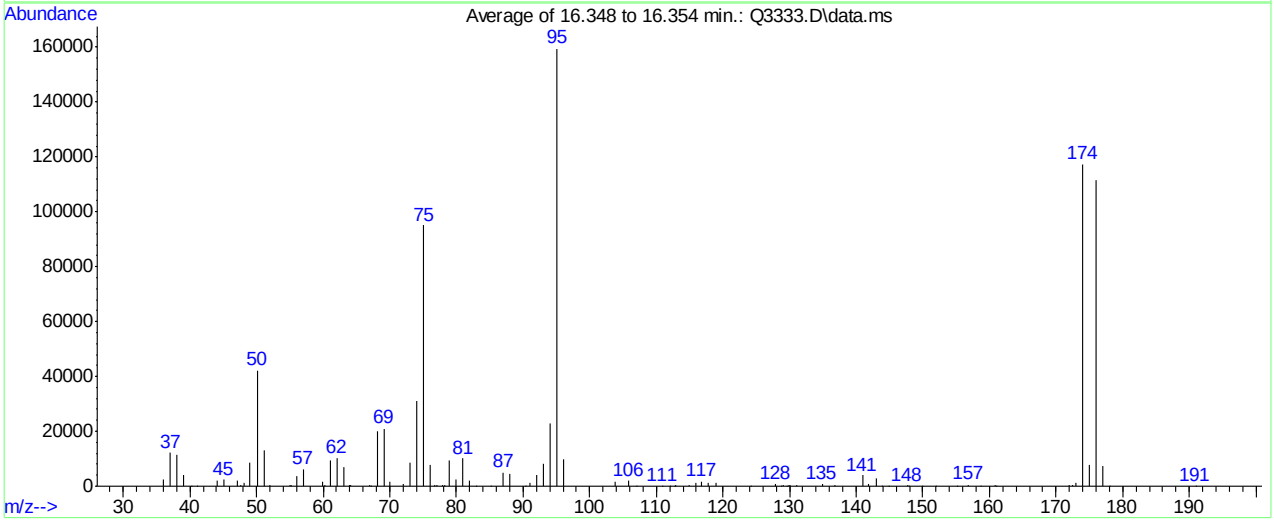
BFB

Data File : C:\msdchem\1\DATA\Q3333.D
Acq On : 3 May 2007 5:52 pm
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.348 to 16.354 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.5	42294	PASS
75	95	30	66	59.6	95074	PASS
95	95	100	100	100.0	159520	PASS
96	95	5	9	6.3	9974	PASS
173	174	0.00	2	1.1	1288	PASS
174	95	50	120	73.6	117362	PASS
175	174	4	9	6.7	7854	PASS
176	174	93	101	95.2	111676	PASS
177	176	5	9	6.6	7381	PASS

Q3333.D Q050307T.m Fri May 04 14:43:53 2007 RPT1

Average of 16.348 to 16.354 min.: Q3333.D\data.ms
IC180-40 (M105)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2634	49.05	8525	62.05	10276	74.10	31018
37.10	12087	50.10	42294	63.05	7095	75.10	95074
38.10	11550	51.10	13082	64.00	303	76.05	7815
39.10	4217	51.95	557	64.20	229	76.80	493
40.20	153	54.95	572	67.00	325	77.15	585
41.00	102	55.20	345	67.20	209	77.90	630
44.05	2099	56.05	3895	68.10	19969	78.20	424
45.05	2370	57.05	6149	69.10	20916	78.95	9213
47.05	2211	59.95	1529	70.00	1767	79.95	2653
47.70	240	60.20	392	72.05	774	81.00	10134
48.10	1329	61.05	9217	73.05	8394	81.95	2119

Average of 16.348 to 16.354 min.: Q3333.D\data.ms
IC180-40 (M105)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.00	134	103.85	1752	118.90	1159	136.85	502
85.20	180	105.85	1887	124.10	120	140.95	4083
87.05	4909	107.00	154	127.80	253	141.90	694
88.00	4631	110.90	166	127.95	668	142.95	2777
90.30	126	112.00	109	128.80	214	143.90	141
91.00	1295	112.70	188	129.05	357	144.90	189
92.10	4285	112.95	360	129.60	122	147.65	326
93.05	8006	114.90	247	129.90	577	147.90	181
94.05	22994	115.90	1046	130.10	268	150.00	157
95.10	159520	116.85	1767	131.00	454	151.90	104
96.10	9974	117.85	1248	134.95	766	155.20	196

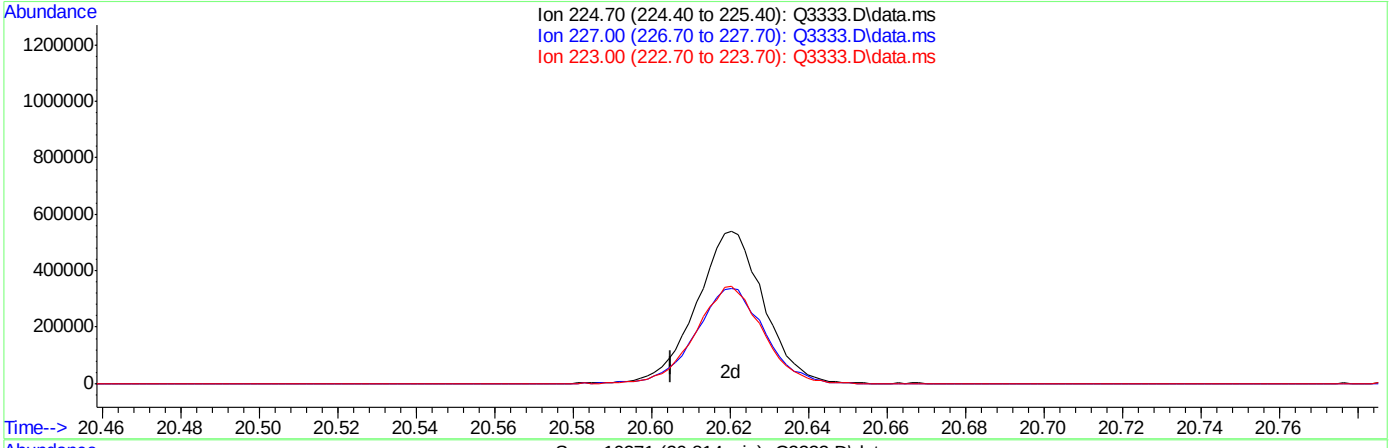
Average of 16.348 to 16.354 min.: Q3333.D\data.ms
IC180-40 (M105)

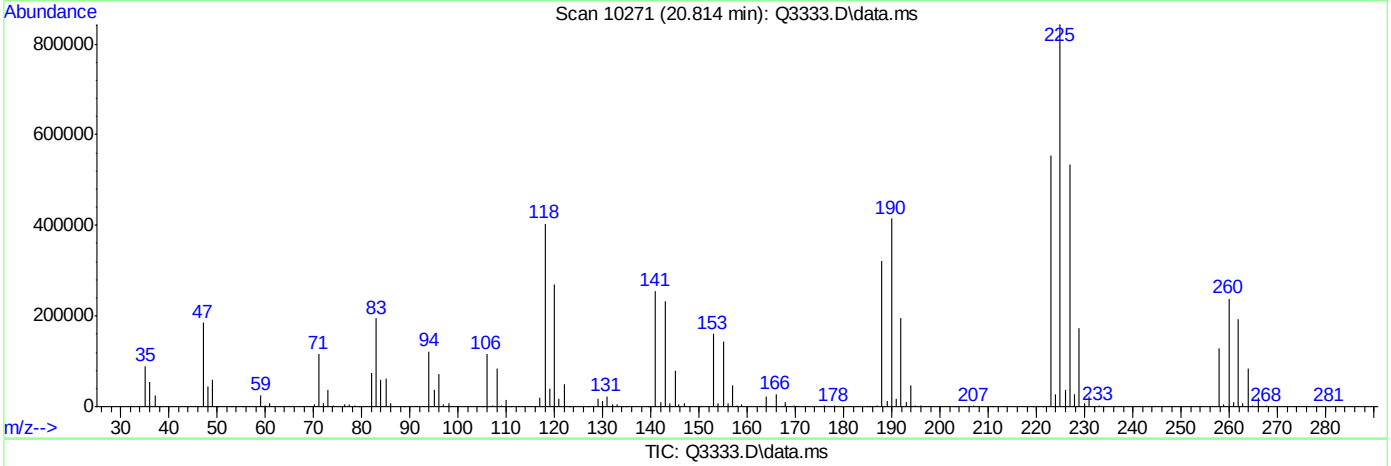
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.85	419	178.00	115				
158.70	128	190.90	109				
160.90	284						
161.10	116						
172.00	299						
172.50	281						
172.95	1288						
174.00	117362						
174.95	7854						
176.00	111676						
177.00	7381						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.814min (+0.003) 66.65PPBV

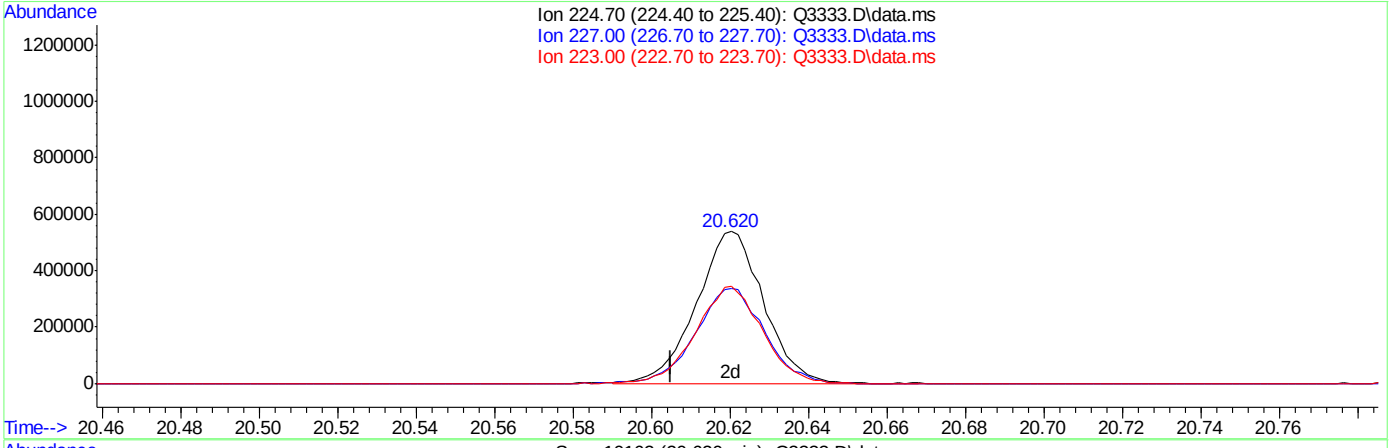
response 900765

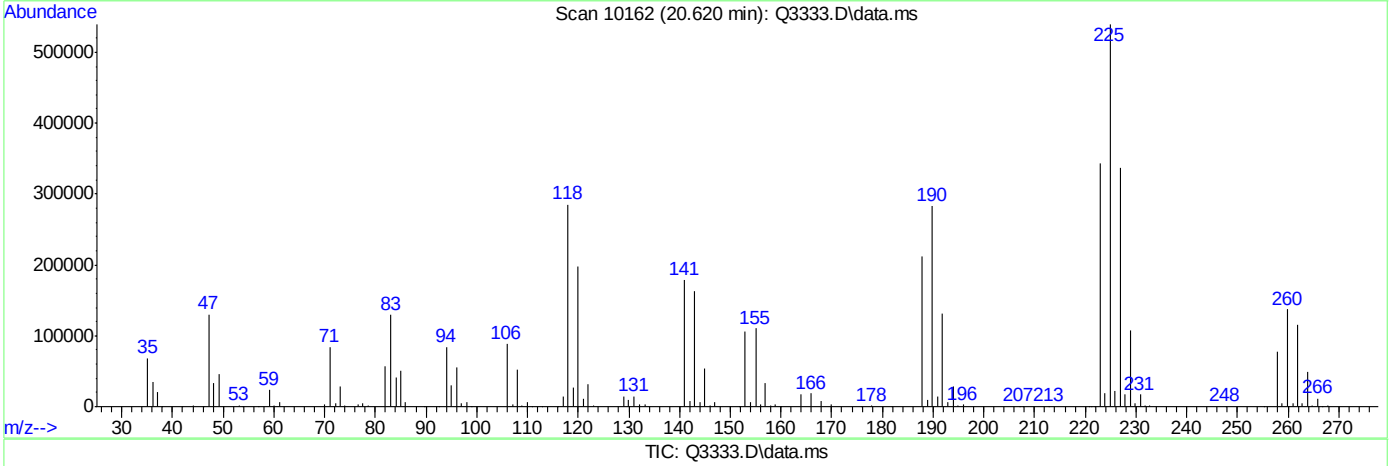
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	64.88
223.00	62.30	64.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.47PPBV m

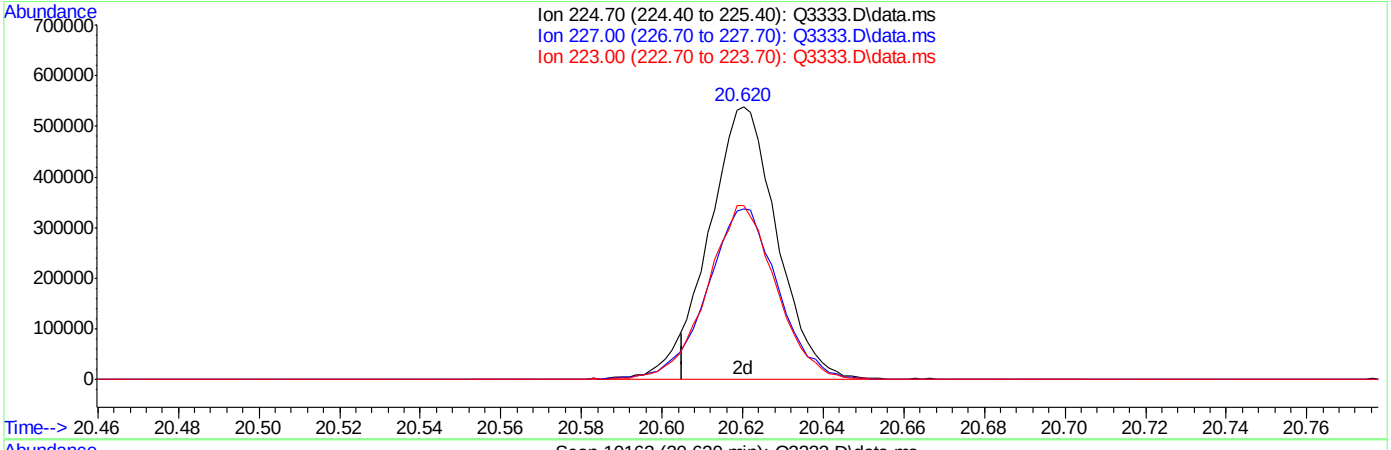
response 641593

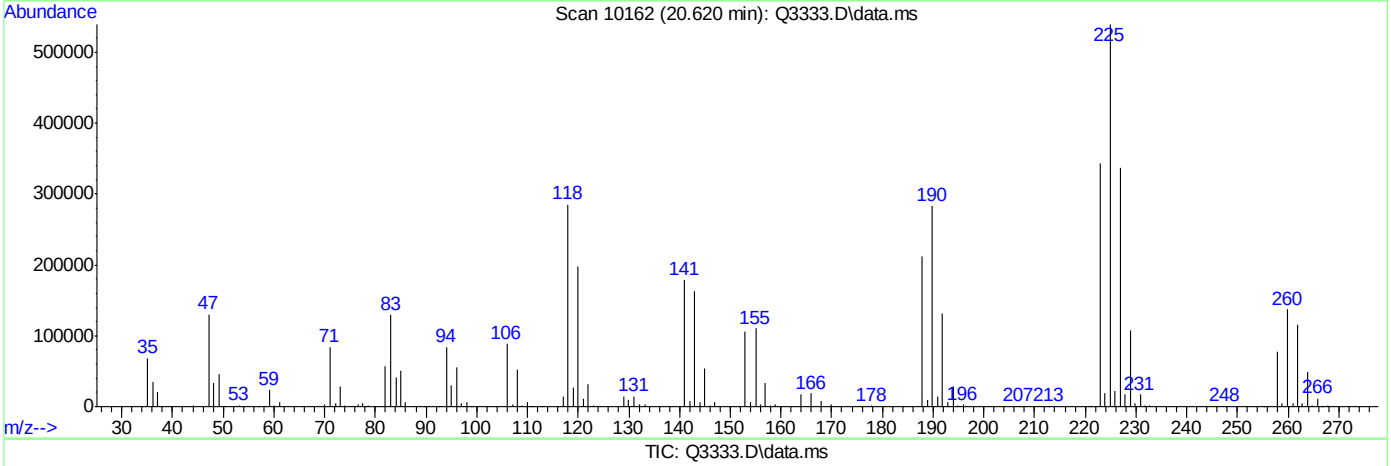
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	91.10#
223.00	62.30	90.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:39:50 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.68PPBV m

response 644343

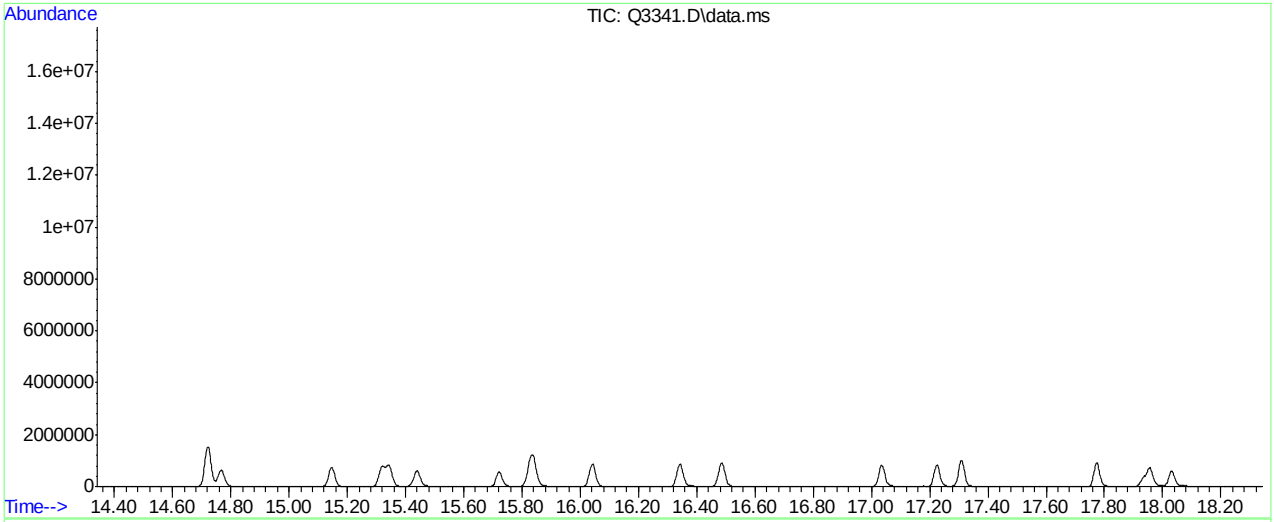
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	90.71#
223.00	62.30	89.69#
0.00	0.00	0.00

BFB

Data File : C:\msdchem\1\DATA\Q3341.D
Acq On : 4 May 2007 3:31 pm
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um



Spectrum Information: Average of 16.334 to 16.348 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.2	38916	PASS
75	95	30	66	57.2	88356	PASS
95	95	100	100	100.0	154463	PASS
96	95	5	9	6.5	10096	PASS
173	174	0.00	2	0.7	764	PASS
174	95	50	120	69.0	106544	PASS
175	174	4	9	6.2	6645	PASS
176	174	93	101	96.9	103272	PASS
177	176	5	9	5.9	6042	PASS

Q3341.D Q050307T.m Fri May 04 15:57:09 2007 RPT1

Average of 16.334 to 16.348 min.: Q3341.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1991	46.30	49	55.10	708	64.90	124
37.10	11052	46.80	122	55.80	160	66.00	72
38.05	10489	46.95	1624	56.10	3719	67.05	411
39.00	842	47.30	76	57.05	5645	68.05	17889
39.15	2672	48.00	1708	57.95	352	69.05	18649
39.90	293	49.15	8521	60.00	2030	70.10	1980
40.20	59	50.10	38916	61.05	9001	70.70	54
42.80	75	51.05	11336	62.05	8734	71.95	689
44.05	1797	52.05	444	63.05	7370	72.20	166
45.10	2387	53.00	51	63.80	142	73.05	7933
45.70	48	54.85	338	64.05	318	74.10	28350

Average of 16.334 to 16.348 min.: Q3341.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
75.10	88356	83.10	169	90.95	1299	106.70	140
76.10	6548	83.90	48	92.05	5210	107.10	55
76.90	417	85.55	175	92.95	8067	109.70	68
77.20	581	85.95	95	94.05	21874	109.90	57
77.60	255	86.20	48	95.10	154463	110.90	239
77.80	141	86.95	5031	96.05	10096	111.70	53
78.05	359	87.80	782	97.00	239	112.00	164
78.95	10225	87.90	619	103.85	911	112.80	134
80.00	2576	88.10	4127	104.10	205	113.05	346
81.00	9377	89.70	49	105.00	362	114.80	148
81.95	2522	90.60	50	105.95	1292	115.85	836

Average of 16.334 to 16.348 min.: Q3341.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.10	83	129.75	517	139.30	47	147.80	327
116.90	1600	130.00	87	140.00	51	148.00	84
117.85	688	130.80	428	140.90	1771	148.60	45
118.10	426	134.75	129	141.05	1110	149.85	218
118.90	1257	134.95	184	141.75	455	151.90	54
121.90	69	135.70	65	142.95	3360	153.70	52
122.50	68	136.00	46	143.60	53	154.80	51
127.85	660	136.70	102	145.10	207	154.95	279
128.70	58	136.80	60	145.85	200	156.80	63
128.95	231	136.95	257	146.90	87	157.10	147
129.50	62	137.15	117	147.70	185	158.40	58

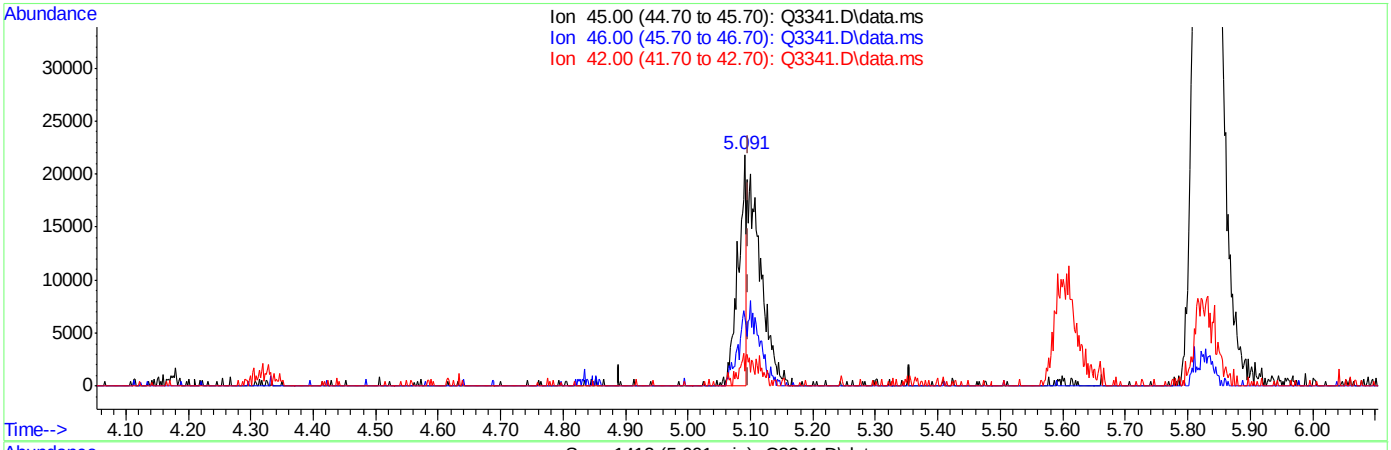
Average of 16.334 to 16.348 min.: Q3341.D\data.ms
CC180-10 (M148)

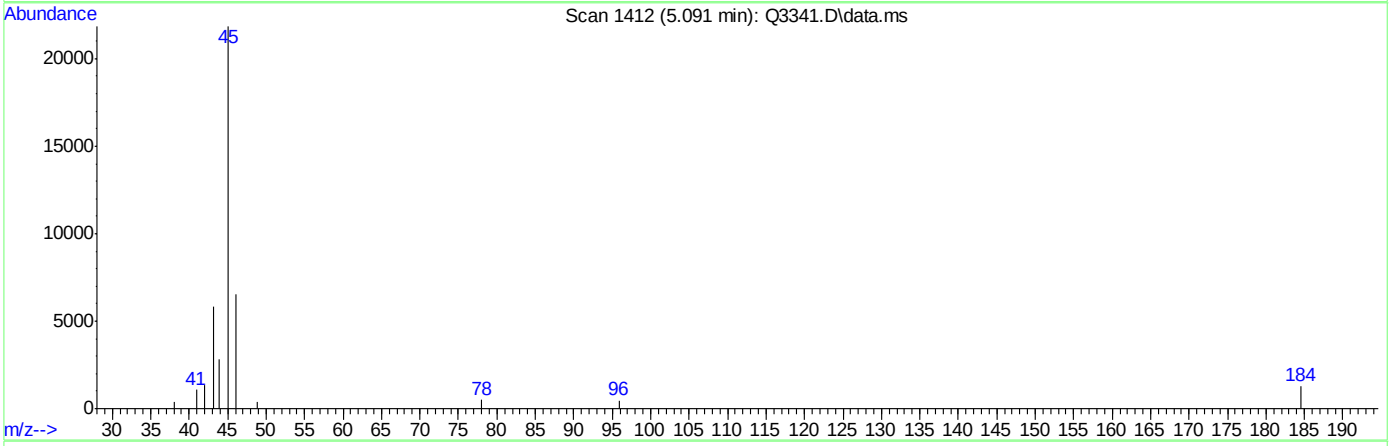
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.00	263	174.00	106544	252.90	46		
159.90	54	175.00	6645	266.20	52		
163.60	70	176.00	103272	282.10	52		
163.80	50	176.95	6042	295.70	96		
169.80	71	177.90	146				
171.00	57	185.90	49				
171.40	74	188.00	144				
171.70	141	203.60	66				
172.05	390	224.40	61				
172.75	508	229.60	112				
172.95	764	250.90	54				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 3.74PPBV

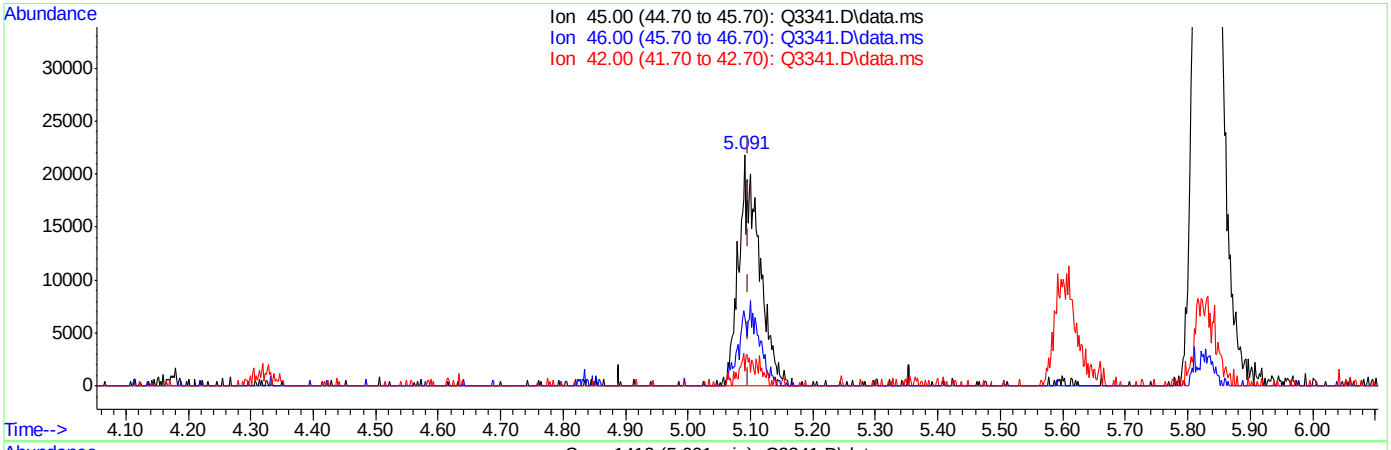
response 18480

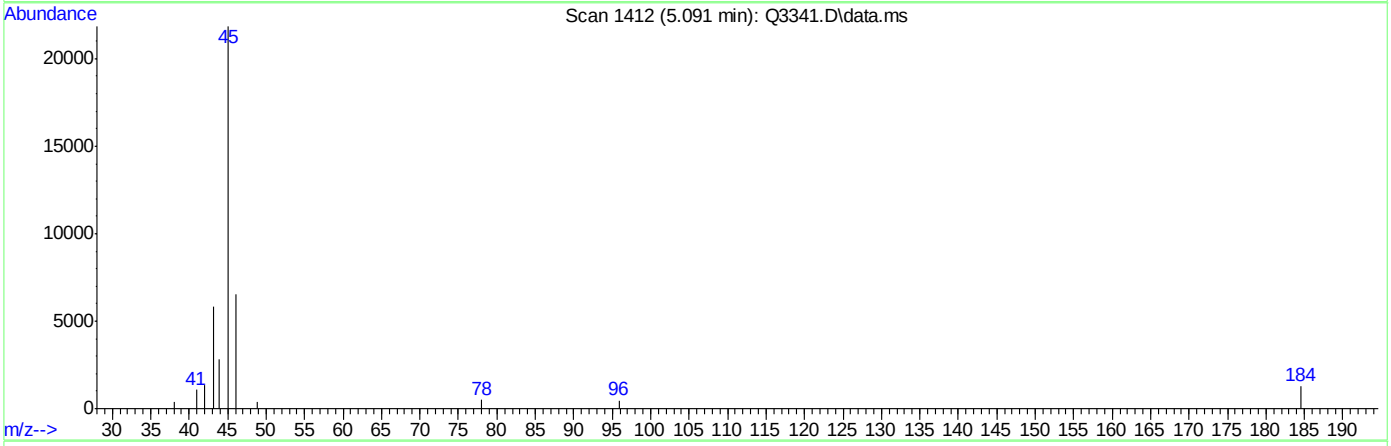
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	91.35#
42.00	4.60	16.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 9.52PPBV m

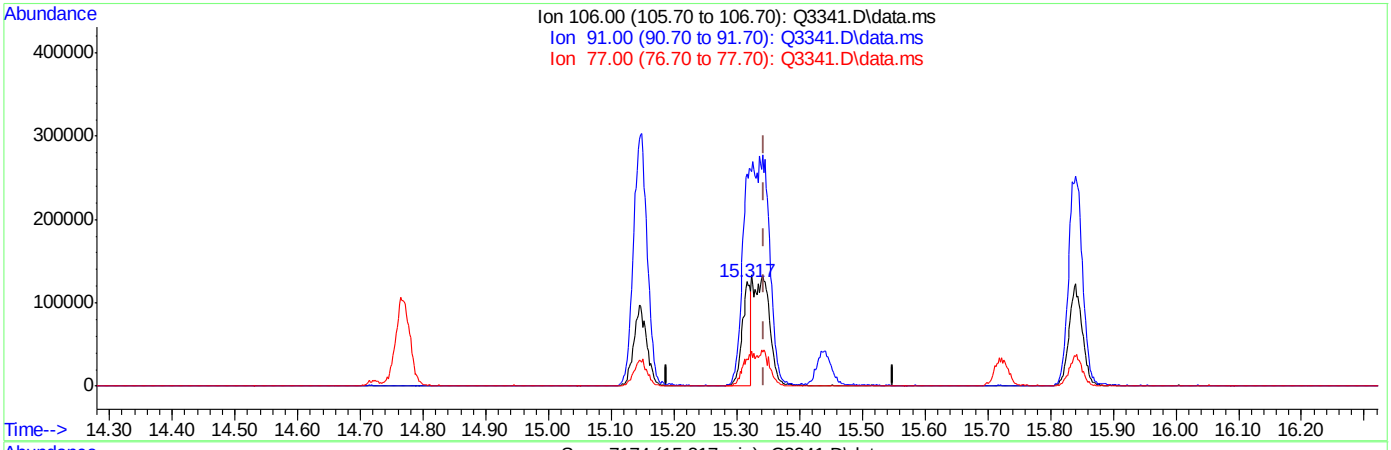
response 49553

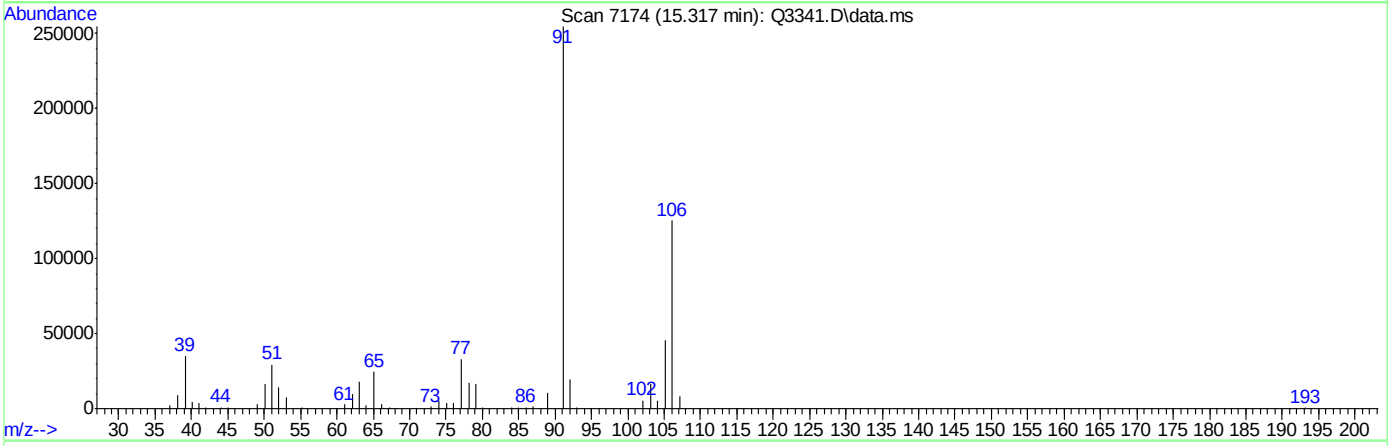
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	34.07
42.00	4.60	6.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.027) 5.87PPBV

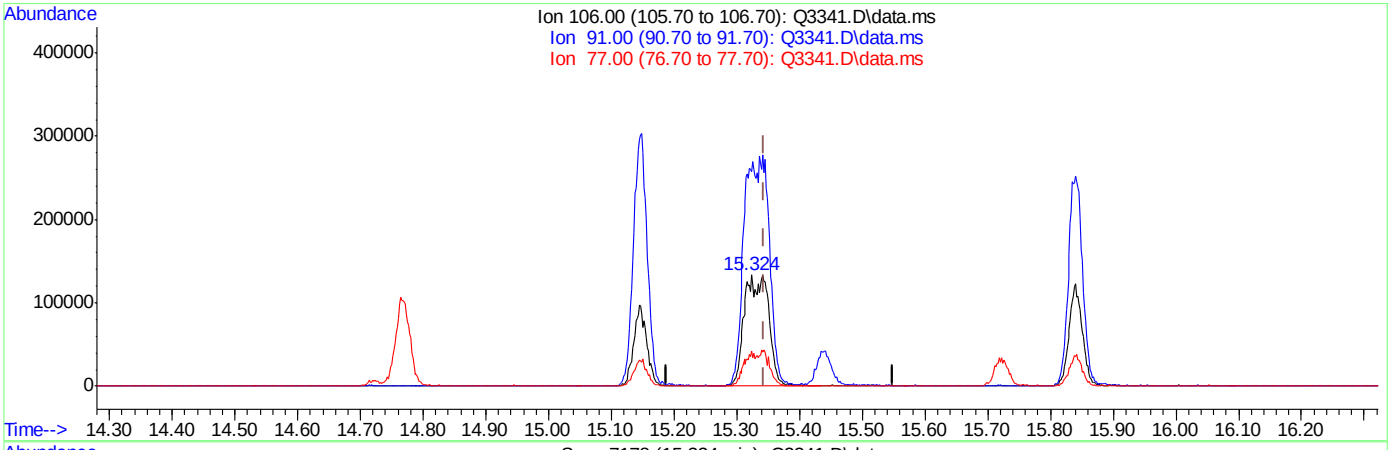
response 121204

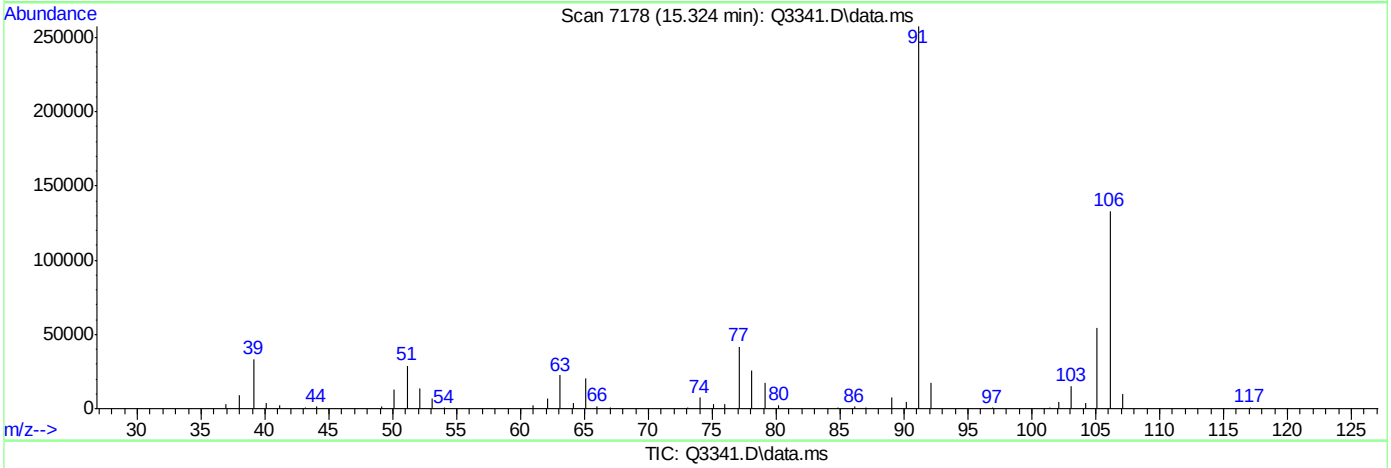
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	203.01
77.00	31.20	26.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.019) 17.70PPBV m

response 365457

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	193.46
77.00	31.20	31.33
0.00	0.00	0.00

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	339529	4.39	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 87.80%

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

Quantitation Report (QT Reviewed)

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

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

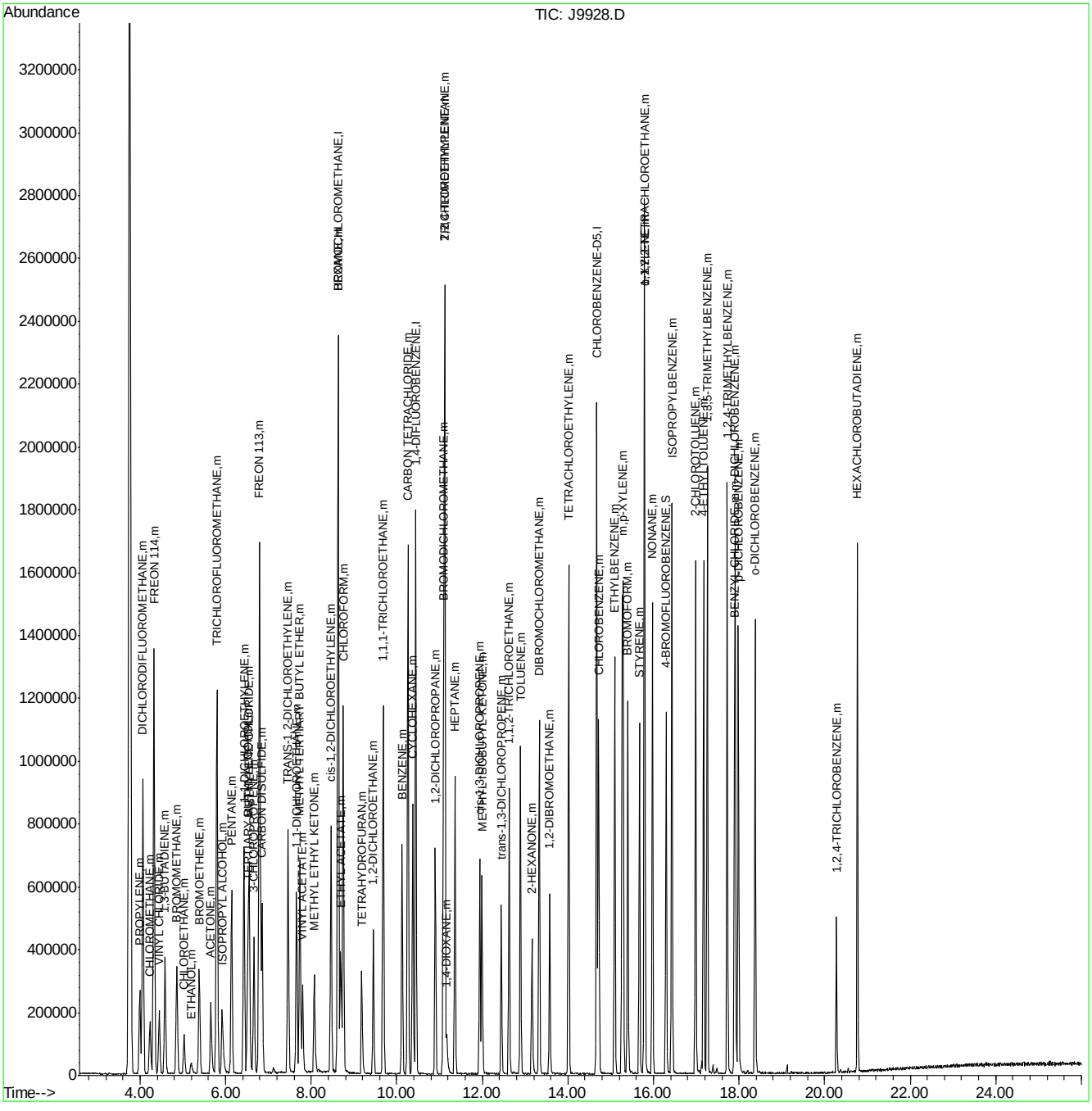
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	440292	8.34	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.94	75	298861	8.12	PPBV	88
46) TOLUENE	12.89	92	370229	6.99	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	241921	7.53	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.63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

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

Quantitation Report (QT Reviewed)

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

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



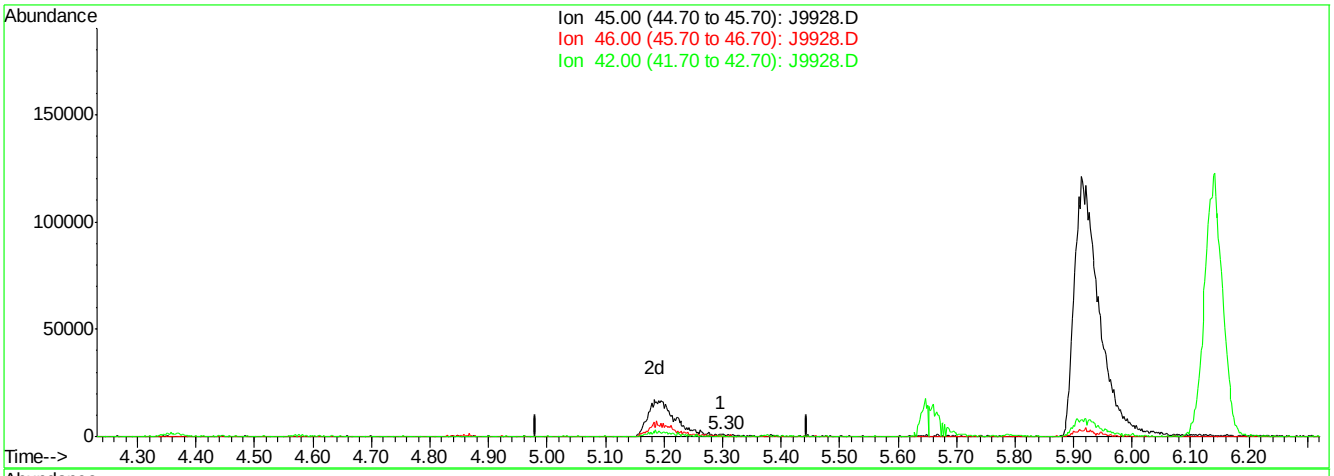
ACCUTEST Laboratories M64501

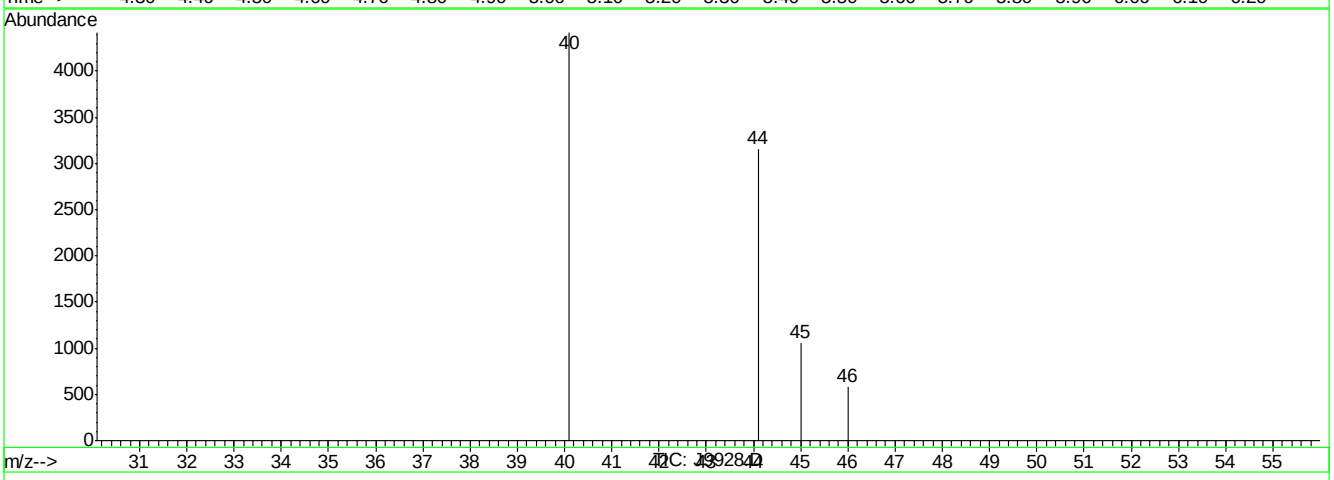
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.30min 0.23PPBV

response 1403

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

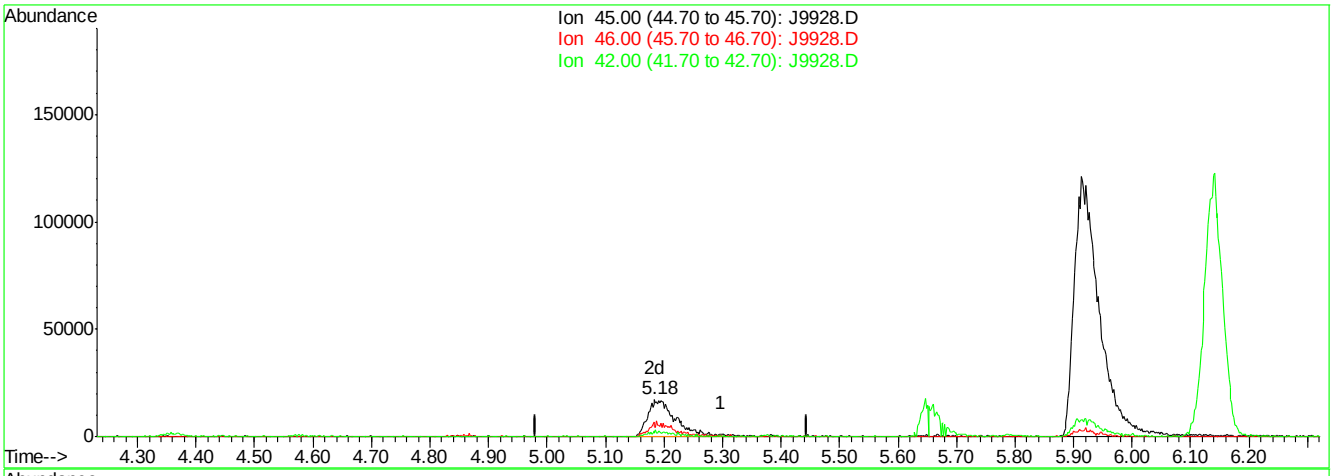
J9928.D J040407T.M Thu Apr 05 13:47:05 2007

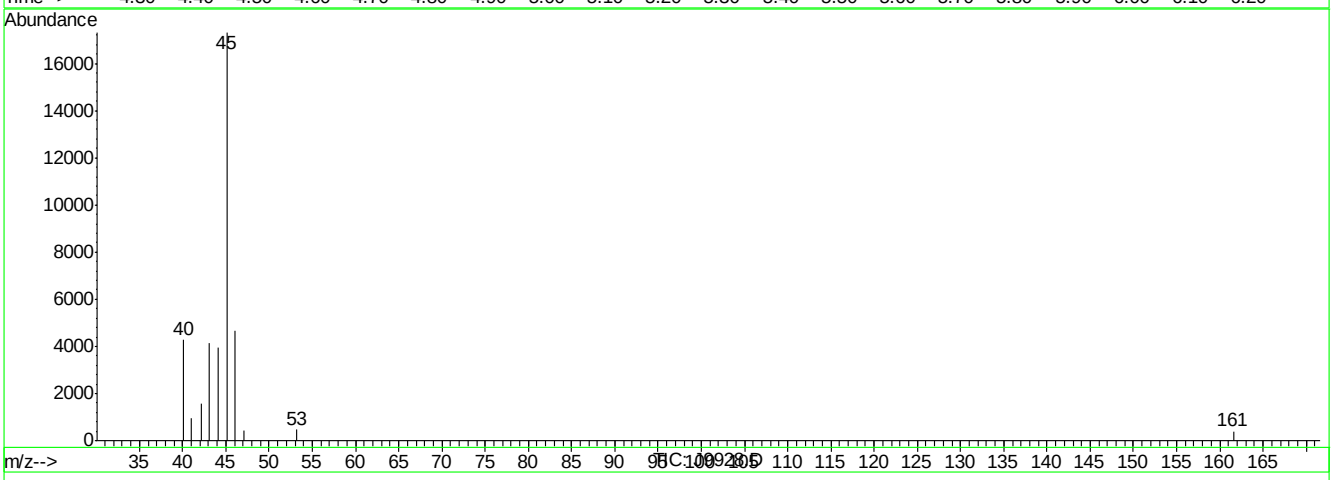
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.18min 9.58PPBV m

response 57892

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

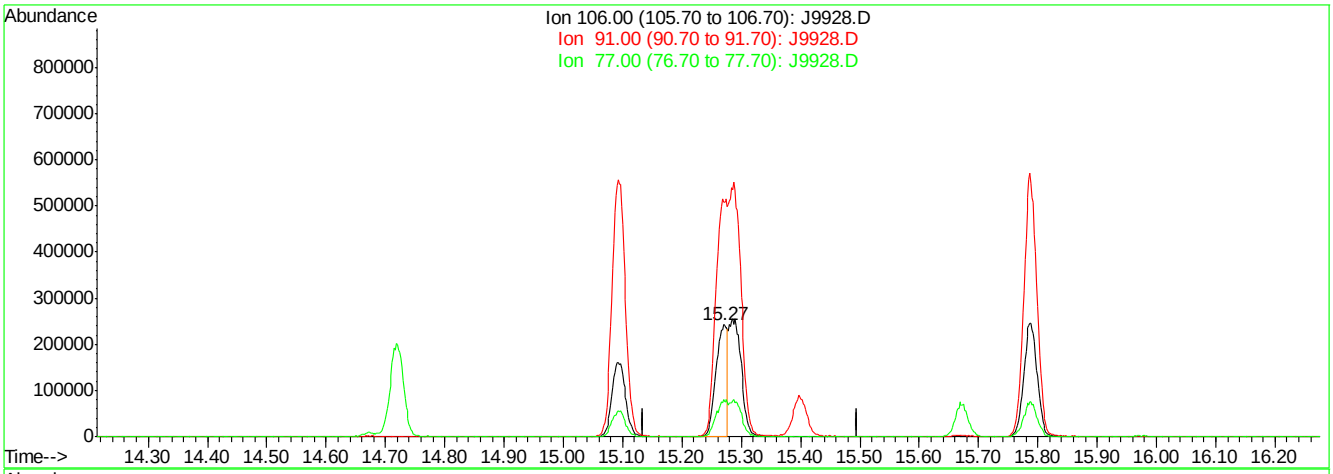
J9928.D J040407T.M Thu Apr 05 13:47:09 2007

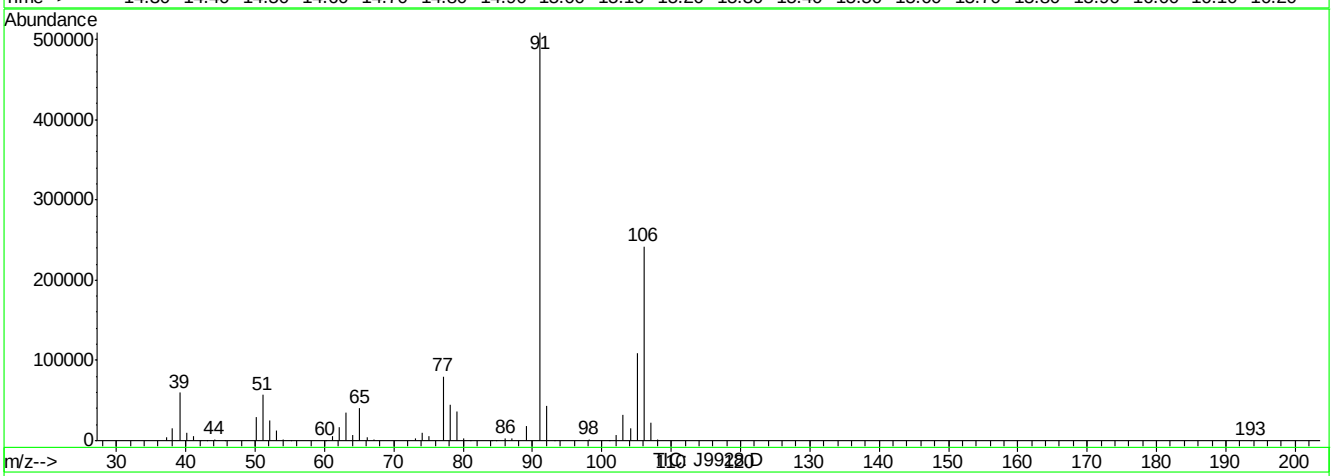
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.27min 5.76PPBV

response 321323

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

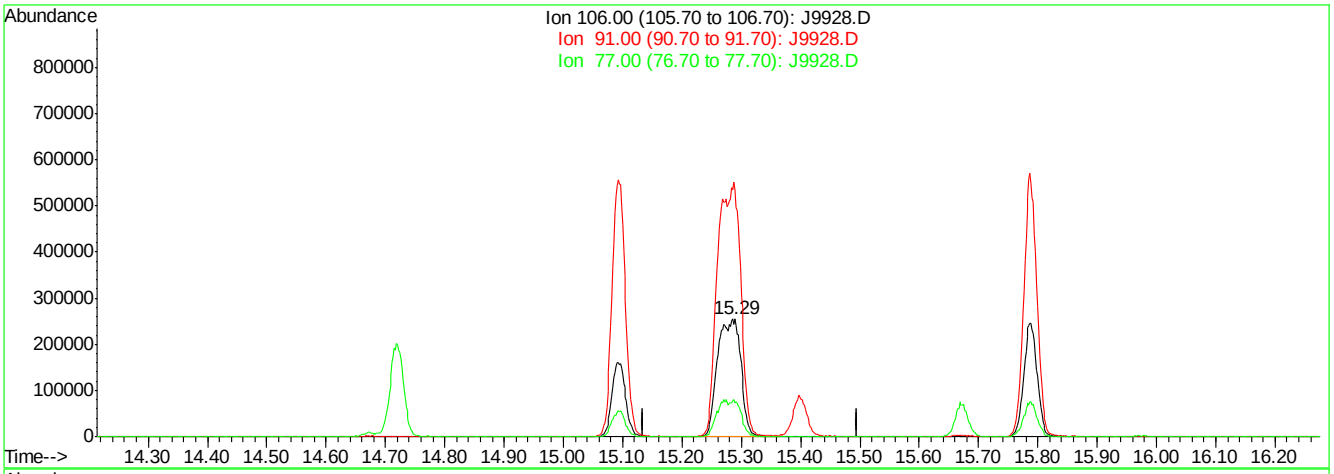
J9928.D J040407T.M Thu Apr 05 13:47:33 2007

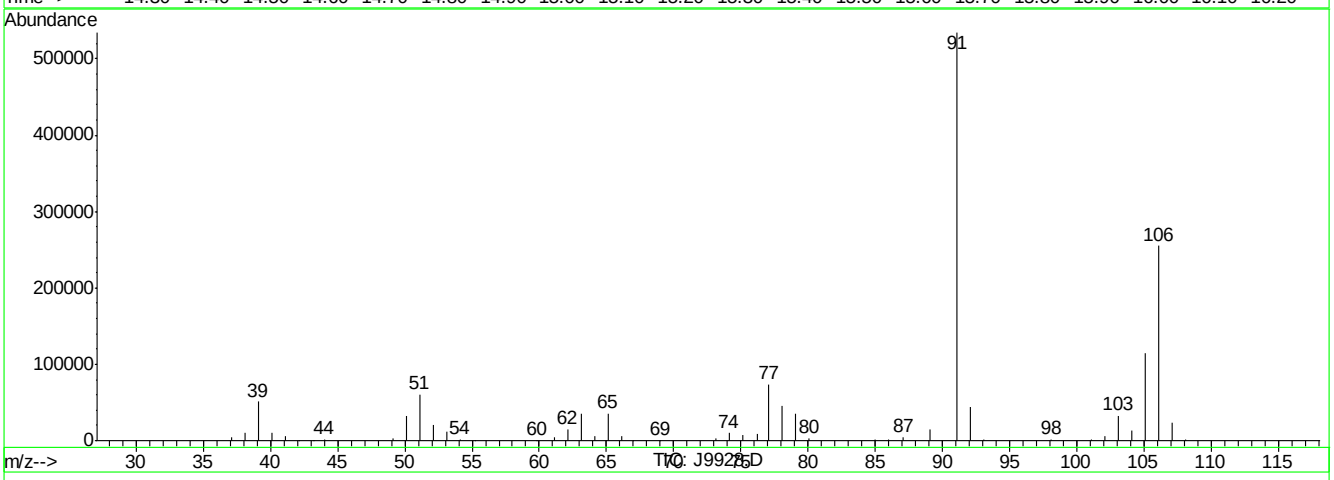
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.29min 12.37PPBV m

response 689985

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.31	95	445112	5.33	PPBV	0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.60%

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

Quantitation Report (QT Reviewed)

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

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

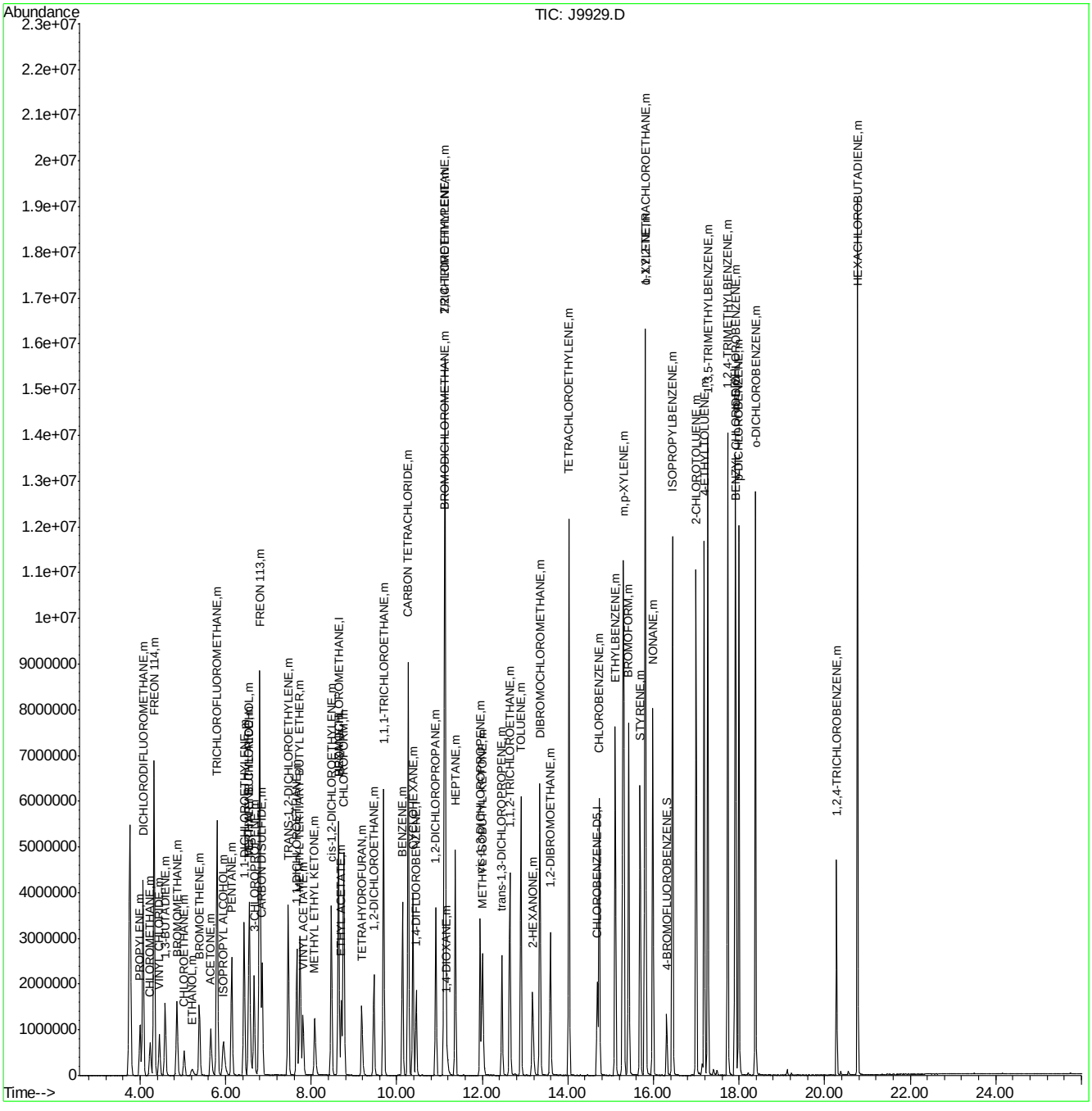
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	2403351	43.62	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.95	75	1676101	44.16	PPBV	89
46) TOLUENE	12.90	92	2410137	47.08	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.46	75	1461379	45.62	PPBV	90
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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

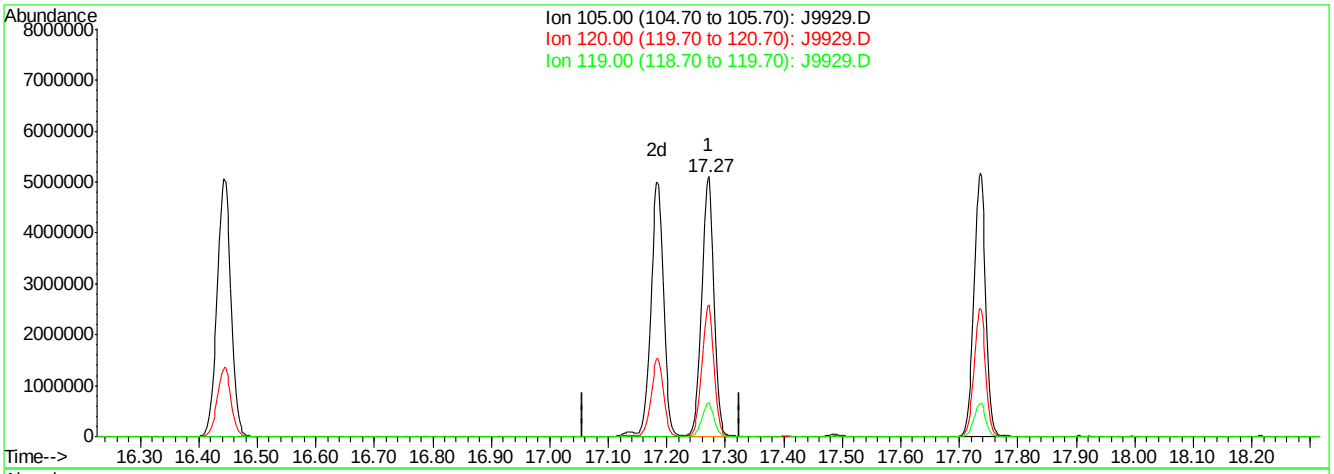


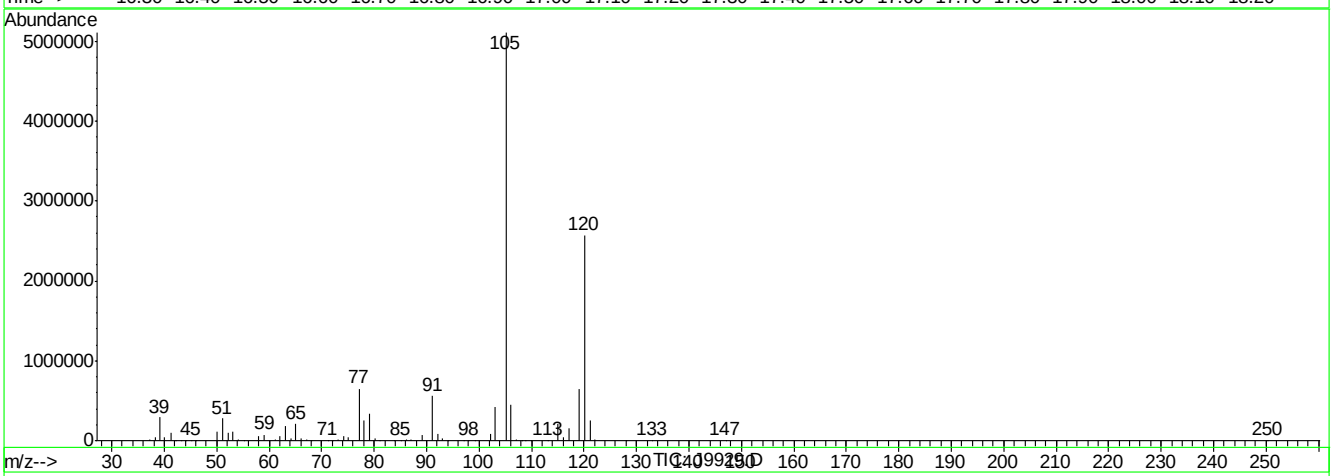
Quantitation Report (Qedit)

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

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

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





(65) 4-ETHYLTOLUENE (m)

17.27min 84.93PPBV

response 7426589

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

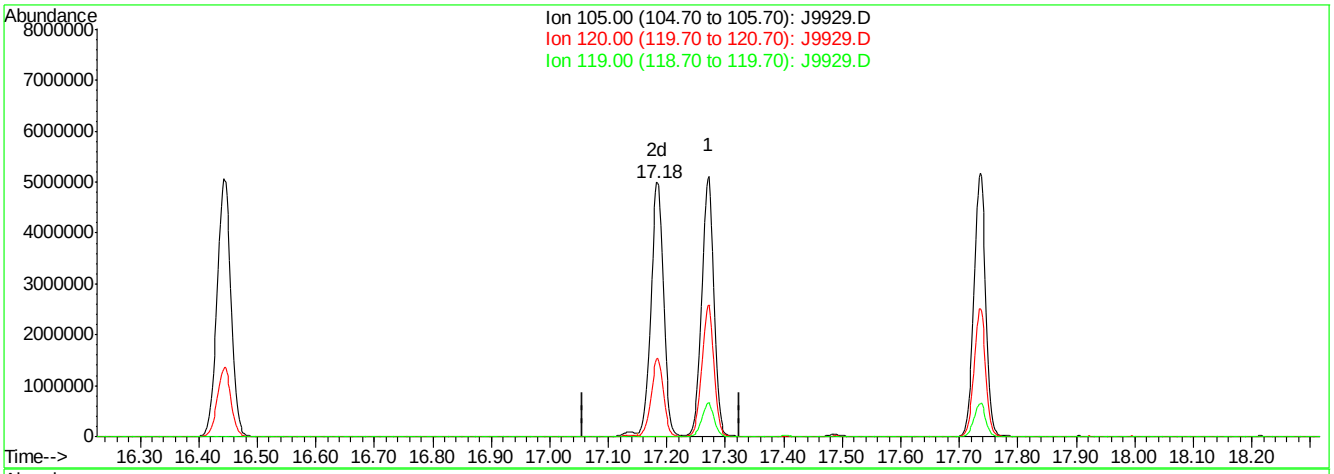
J9929.D J040407T.M Thu Apr 05 13:43:37 2007

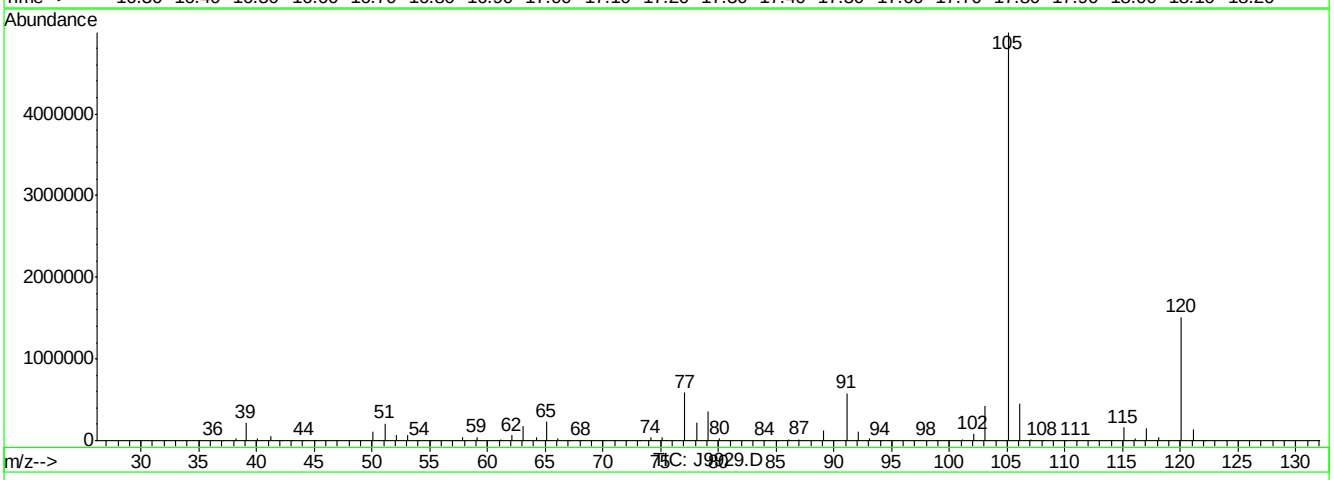
Quantitation Report (Qedit)

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

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

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





(65) 4-ETHYLTOLUENE (m)

17.18min 85.30PPBV m

response 7458847

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

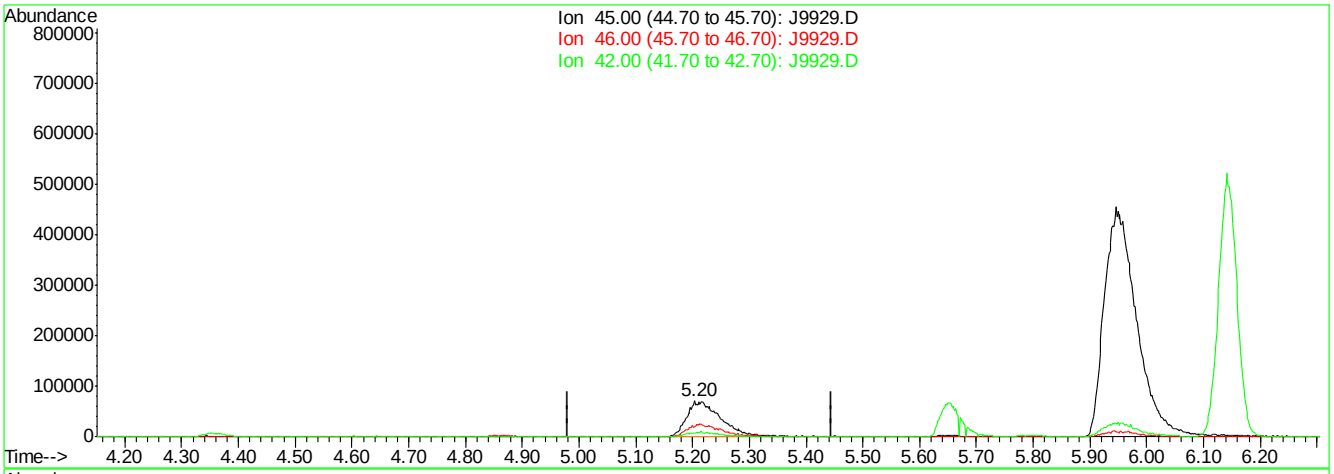
J9929.D J040407T.M Thu Apr 05 13:43:45 2007

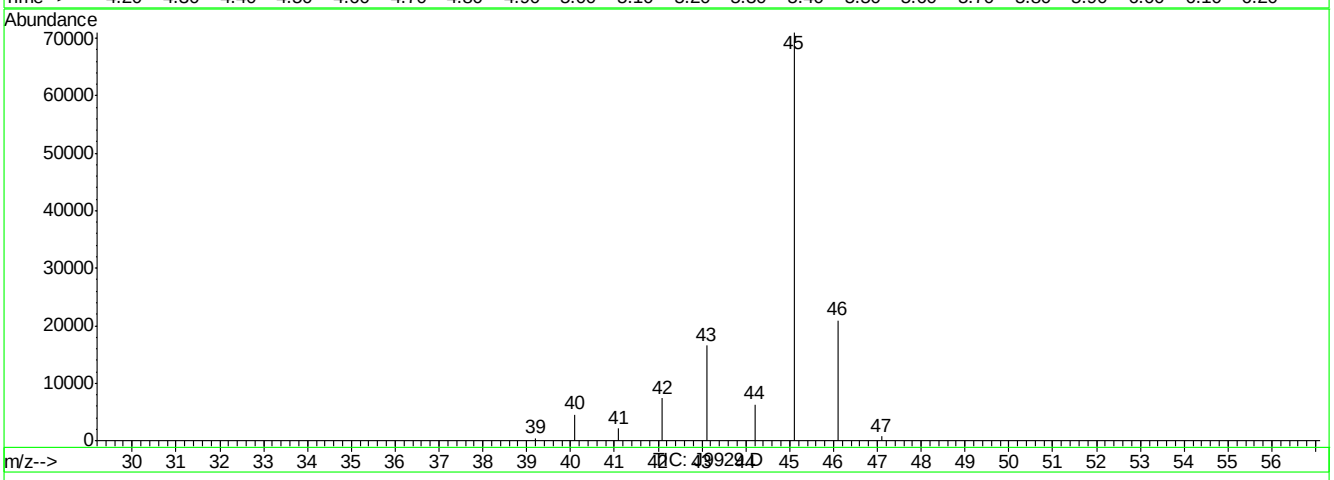
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.20min 40.85PPBV

response 279528

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

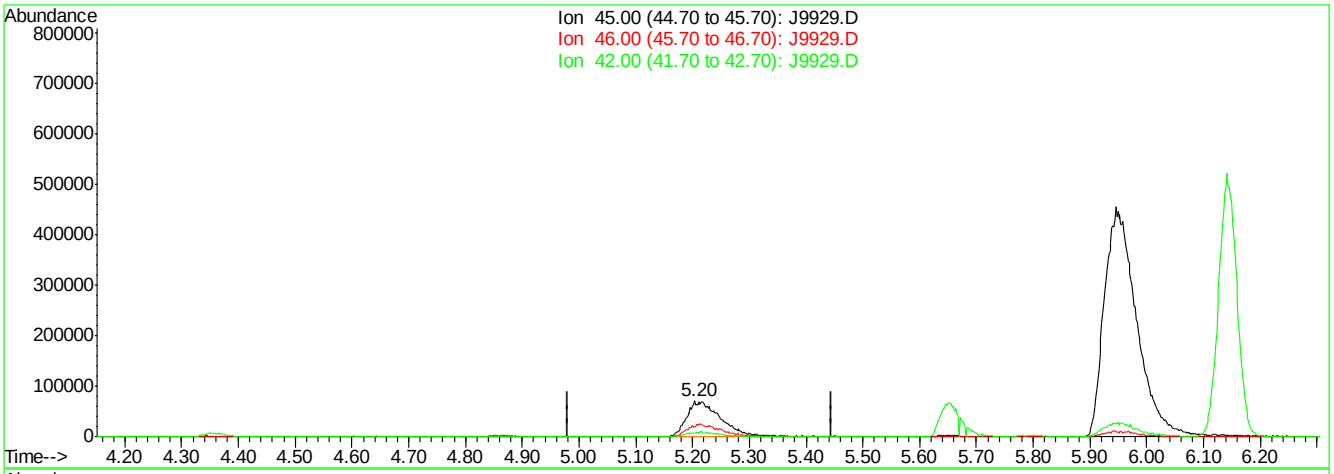
J9929.D J040507T.M Thu Apr 05 17:22:23 2007

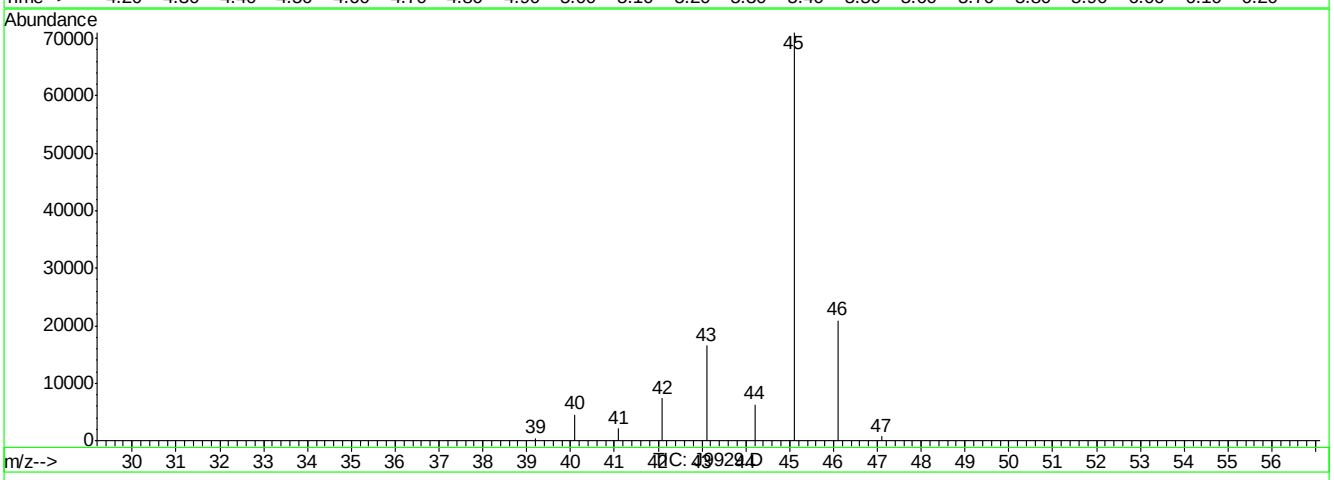
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.20min 42.19PPBV m

response 288725

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	403790	5.03	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 100.60%

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

Quantitation Report (QT Reviewed)

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

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

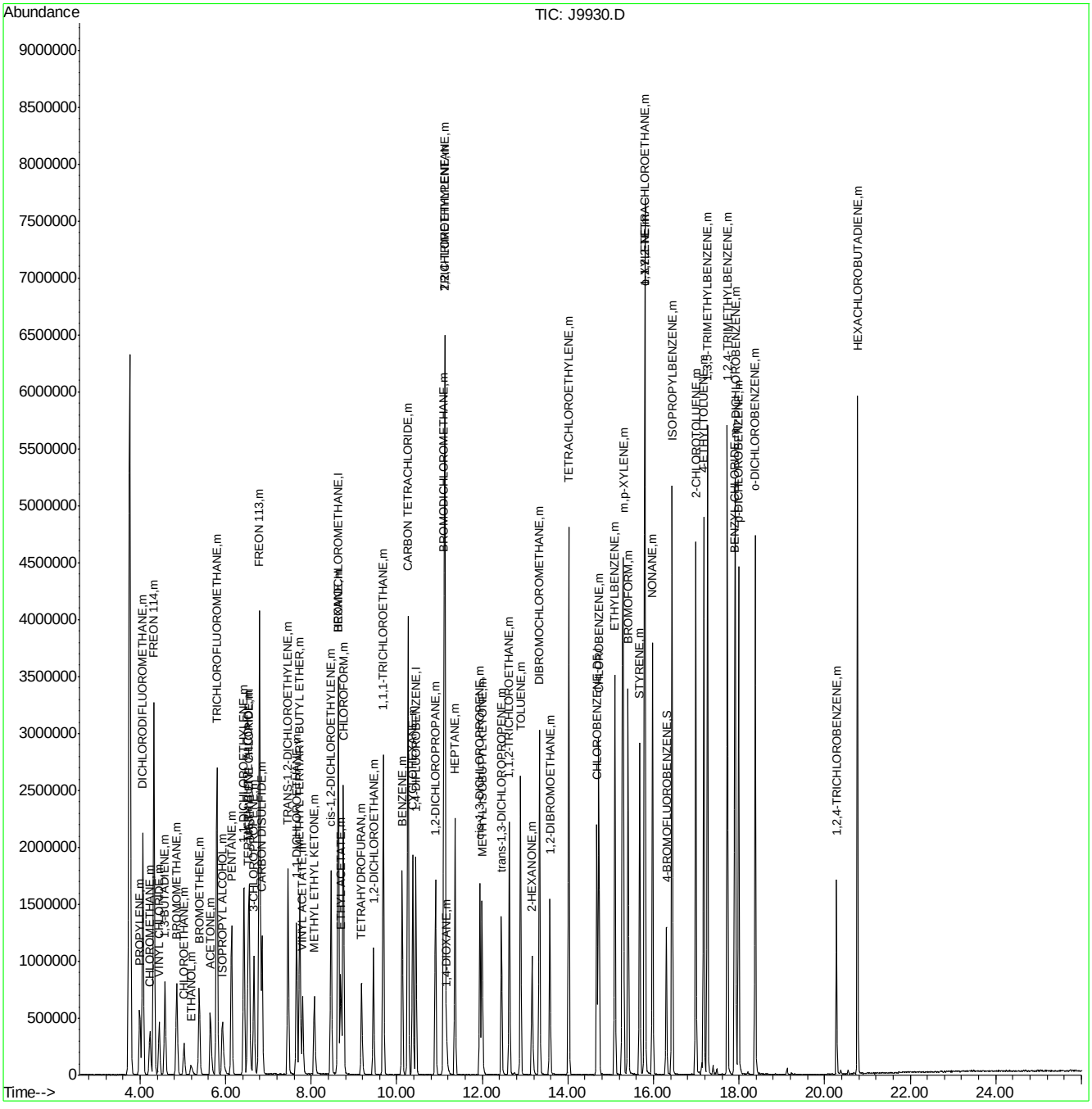
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	1156877	21.39	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.94	75	775941	20.83	PPBV	89
46) TOLUENE	12.89	92	984030	19.58	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.45	75	665963	21.18	PPBV	90
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	529798	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1319486	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1061226	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	314004	4.16	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 83.20%

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

Quantitation Report (QT Reviewed)

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

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

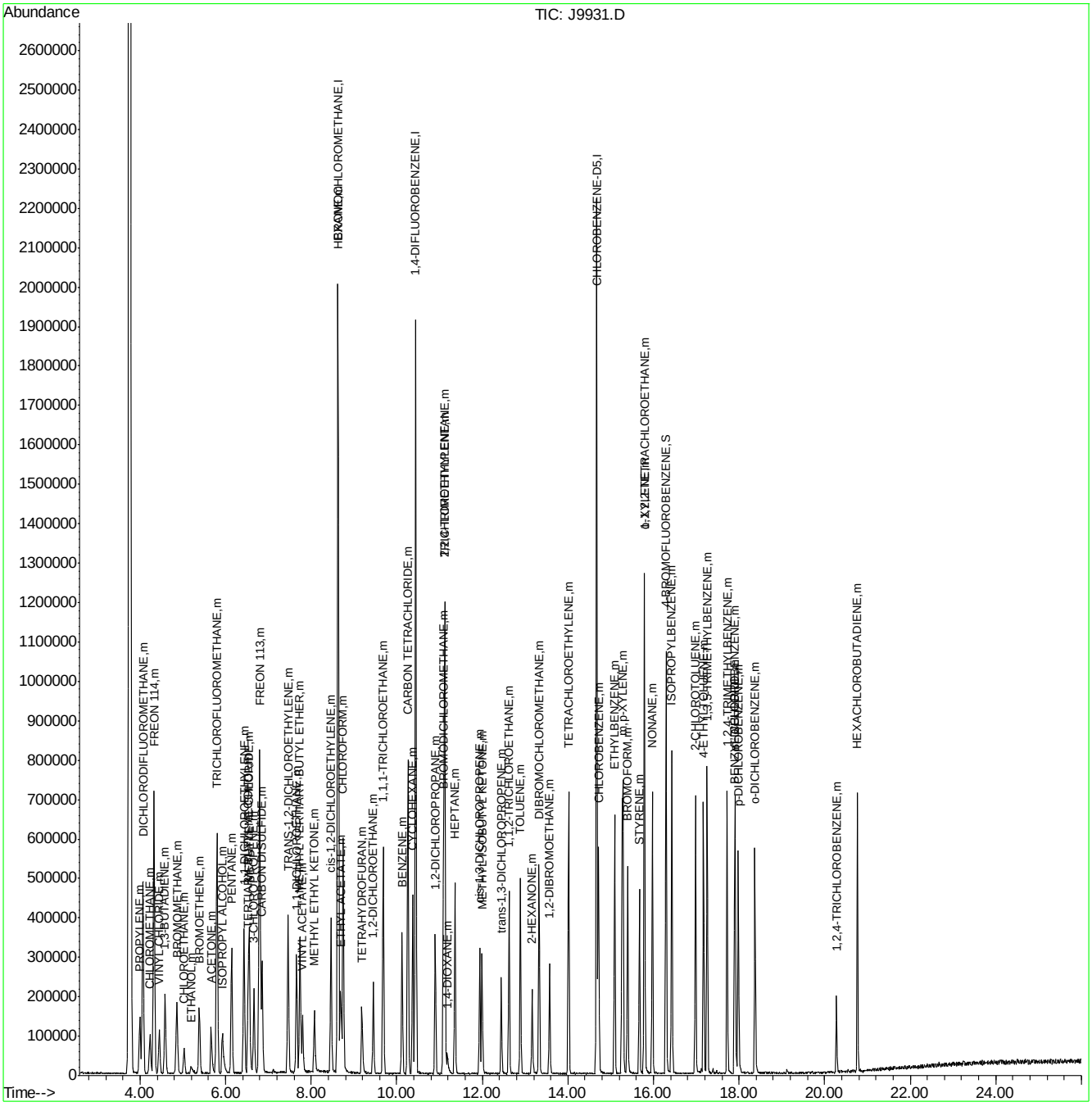
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	208520	3.94	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.94	75	136097	3.76	PPBV	87
46) TOLUENE	12.89	92	176179	3.69	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	108144	3.52	PPBV	86
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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



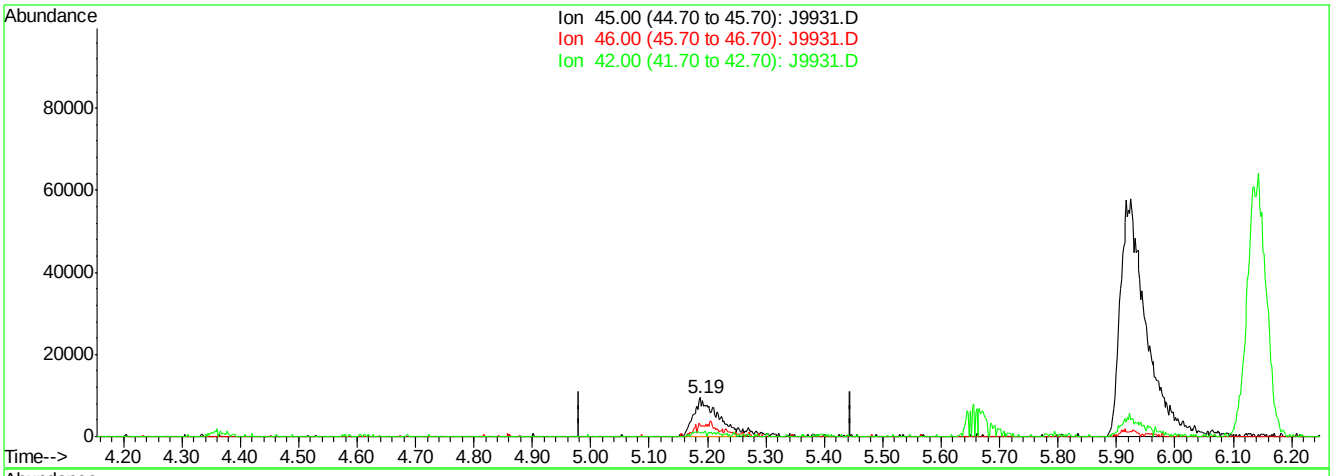
ACCUTEST Laboratories M64501

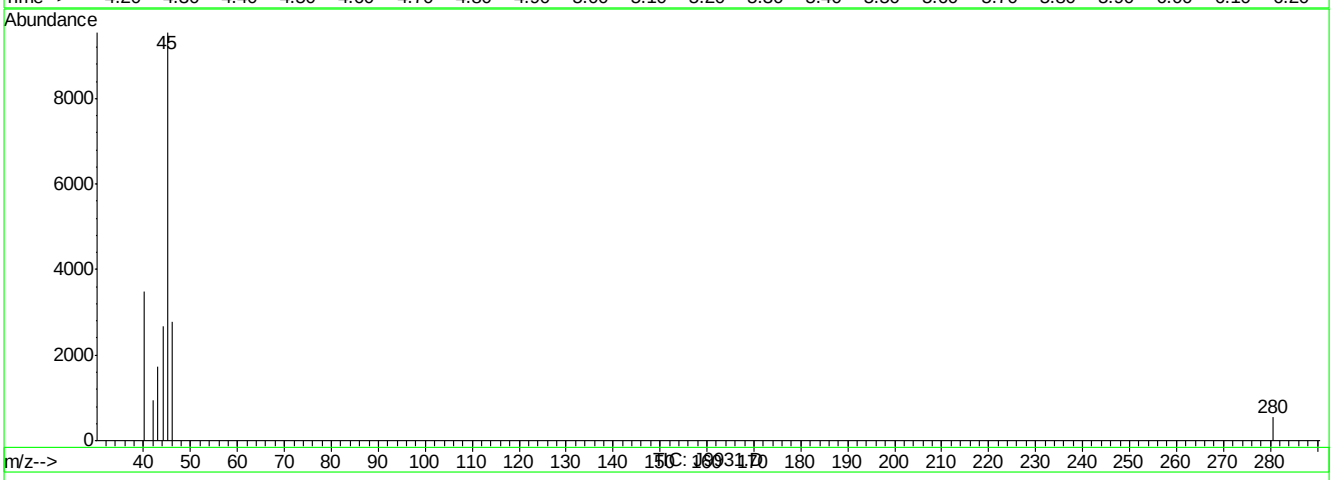
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.19min 4.09PPBV

response 26158

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

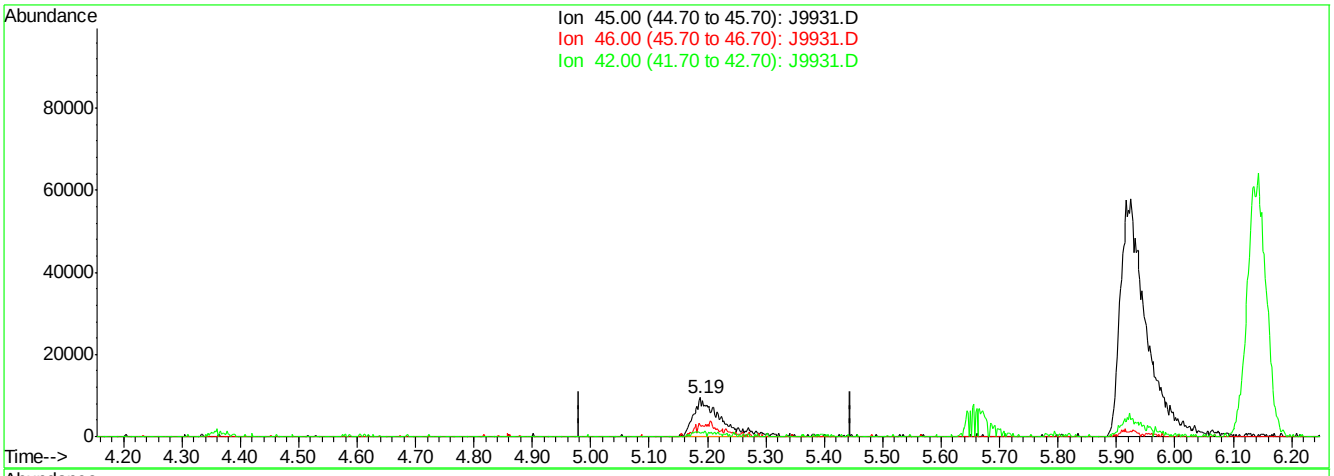
J9931.D J040407T.M Thu Apr 05 15:04:20 2007

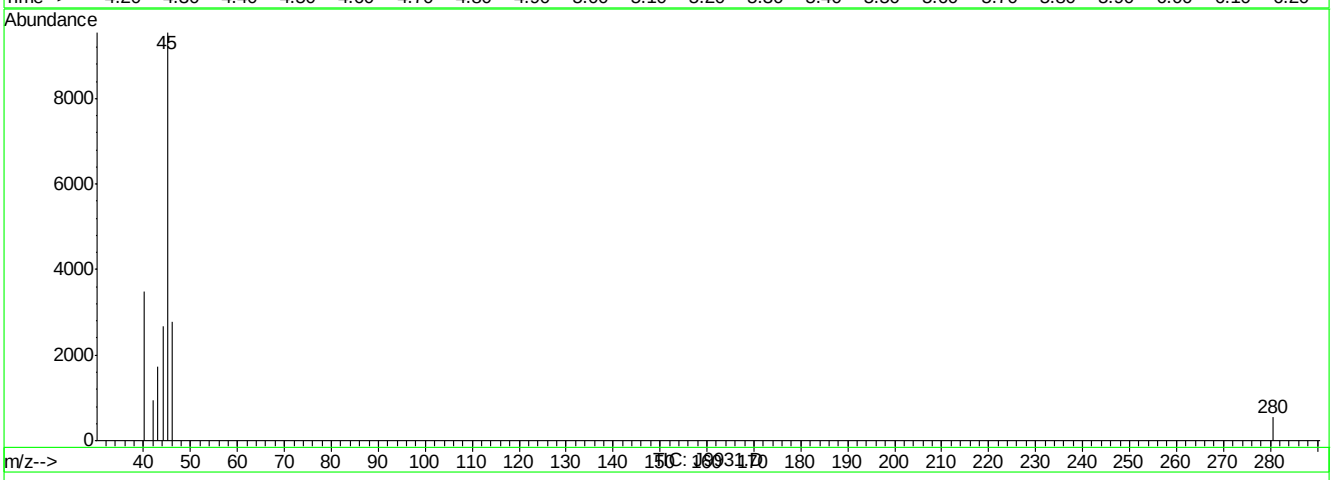
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.19min 4.85PPBV m

response 30991

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

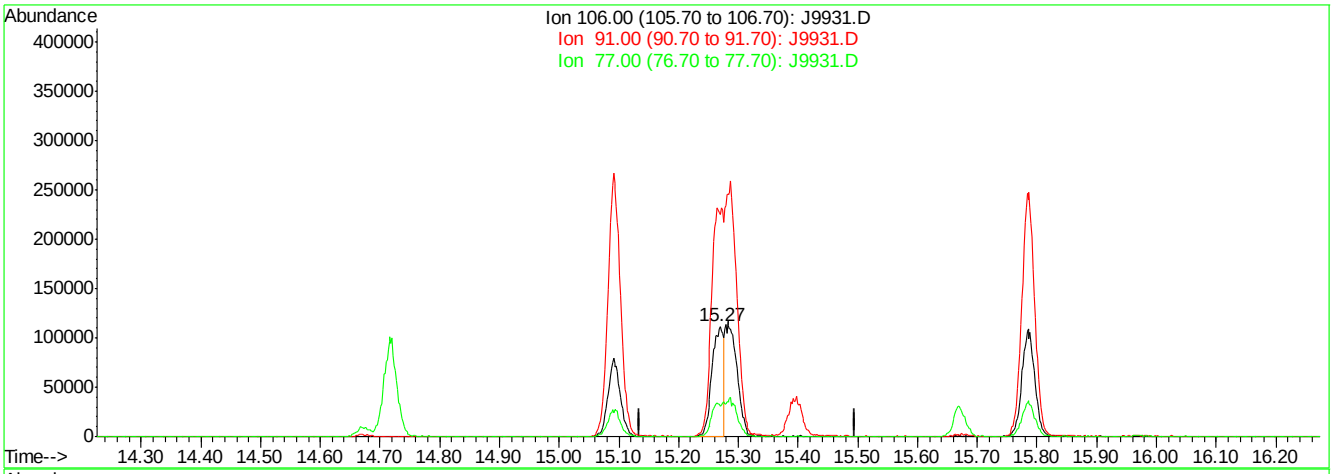
J9931.D J040407T.M Thu Apr 05 15:04:23 2007

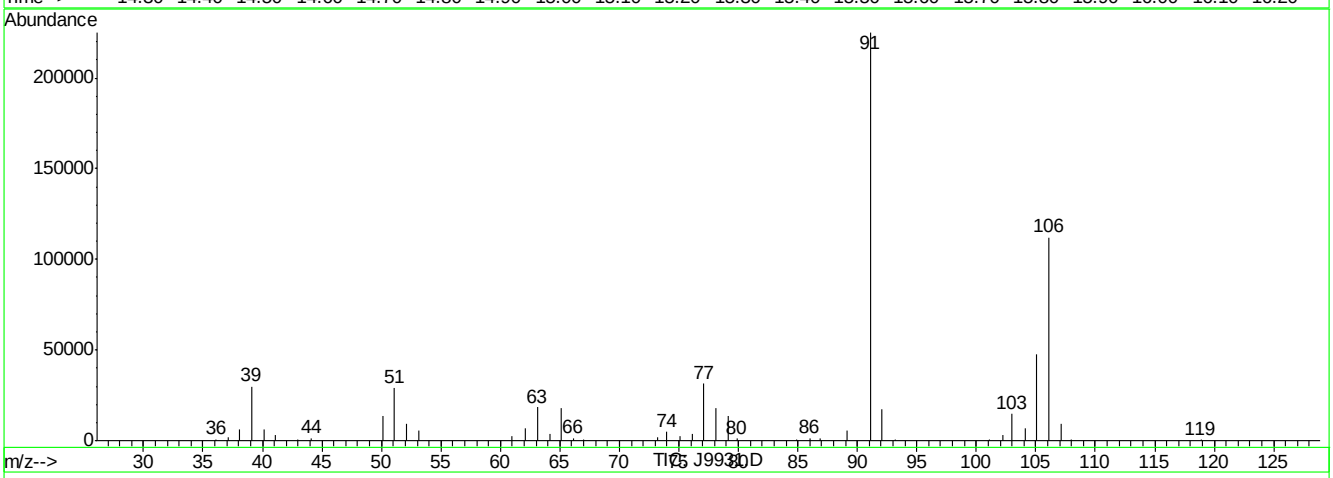
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.27min 3.06PPBV

response 143244

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

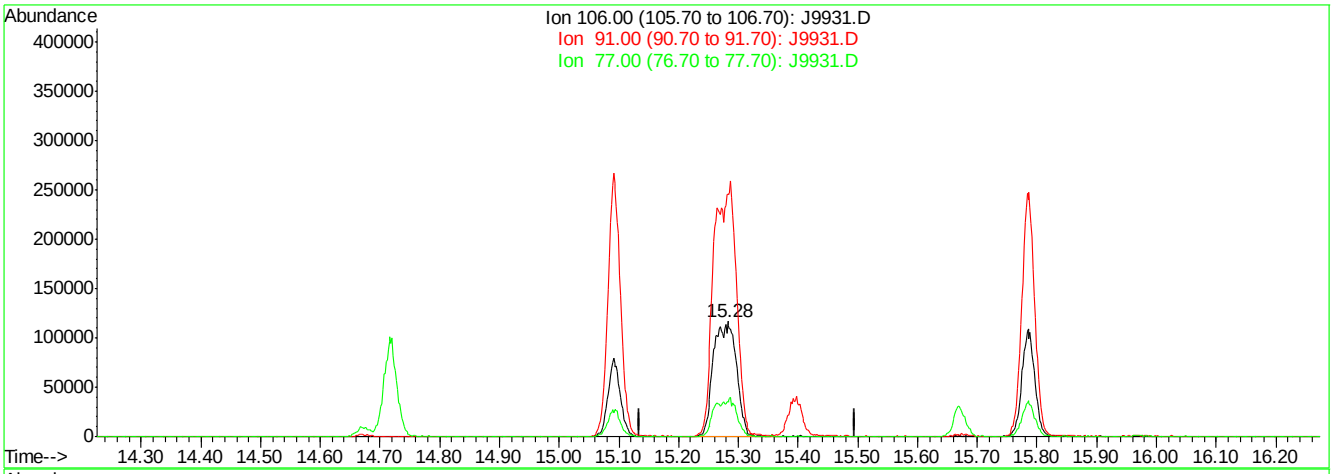
J9931.D J040407T.M Thu Apr 05 15:04:45 2007

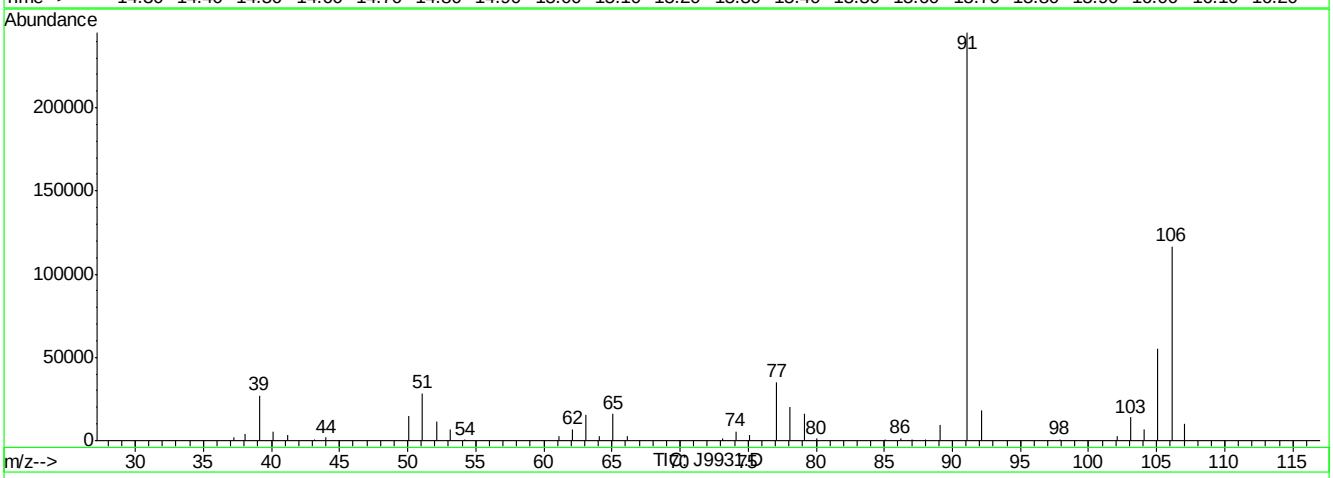
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.28min 6.60PPBV m

response 309185

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

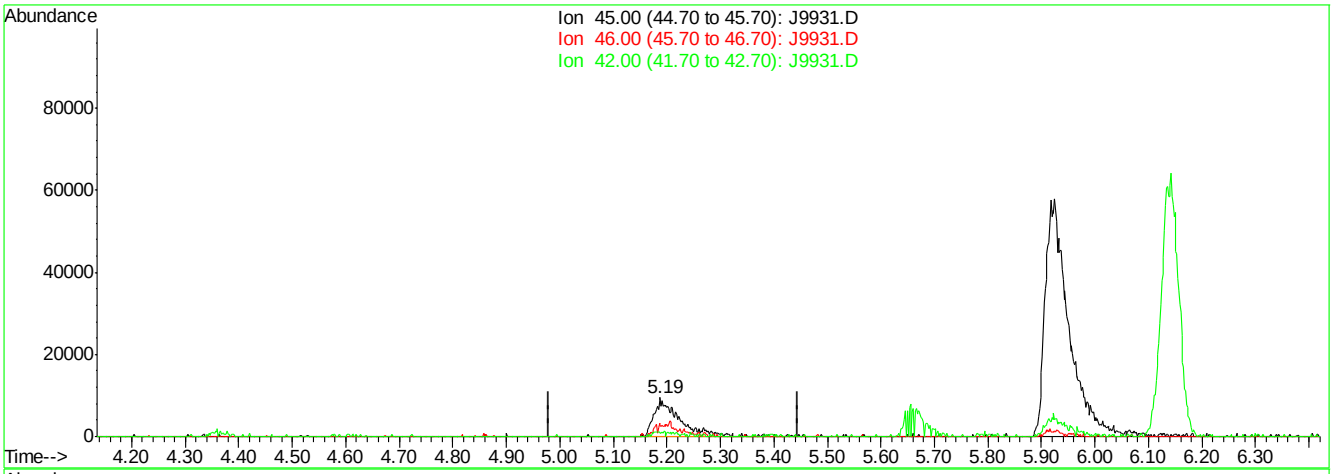
J9931.D J040407T.M Thu Apr 05 15:04:48 2007

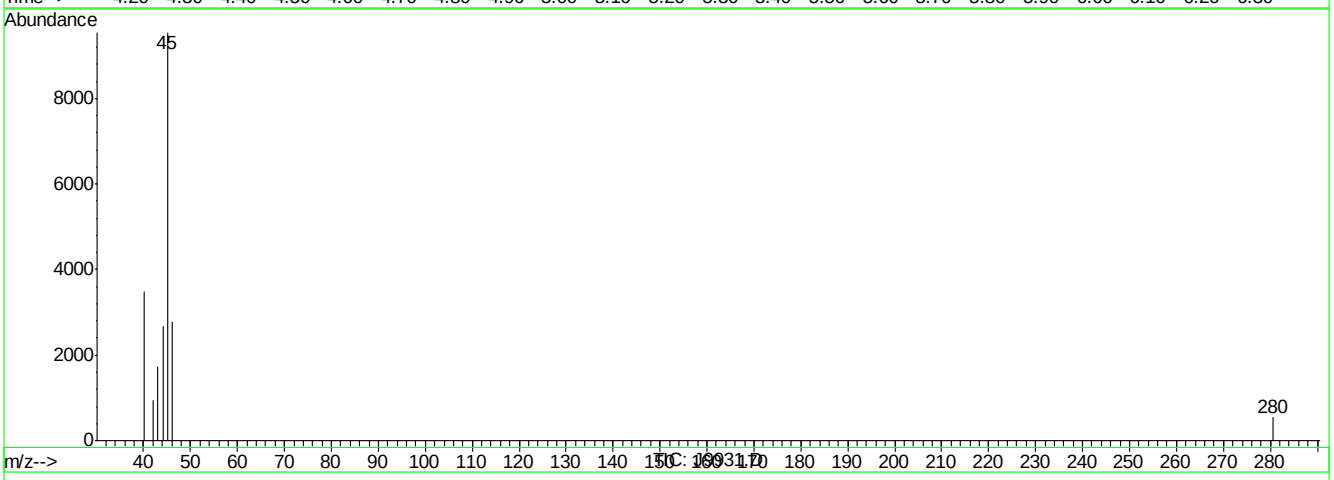
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.19min 4.85PPBV m

response 30991

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

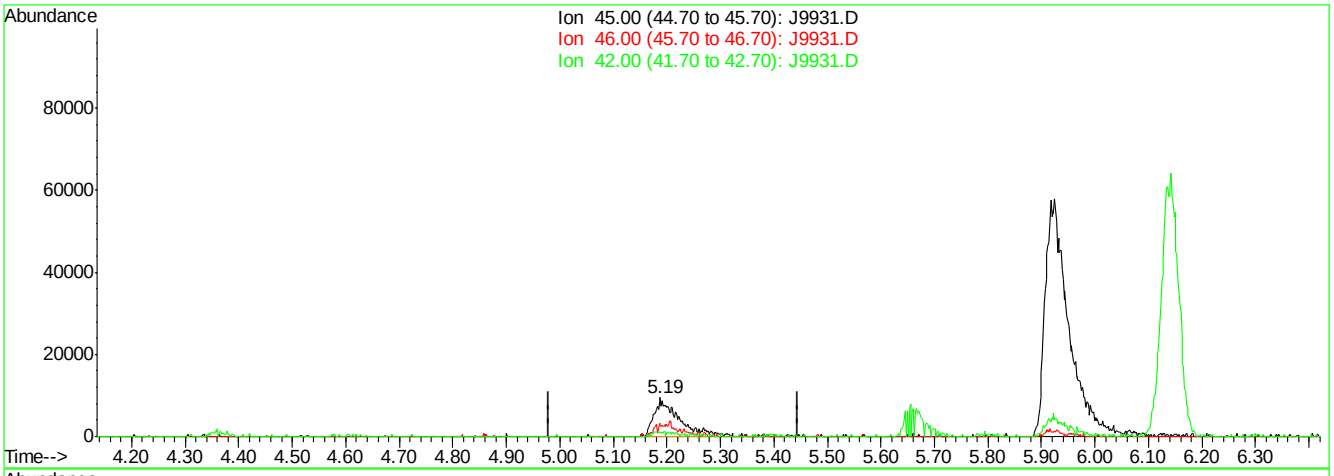
J9931.D J040507T.M Thu Apr 05 17:21:07 2007

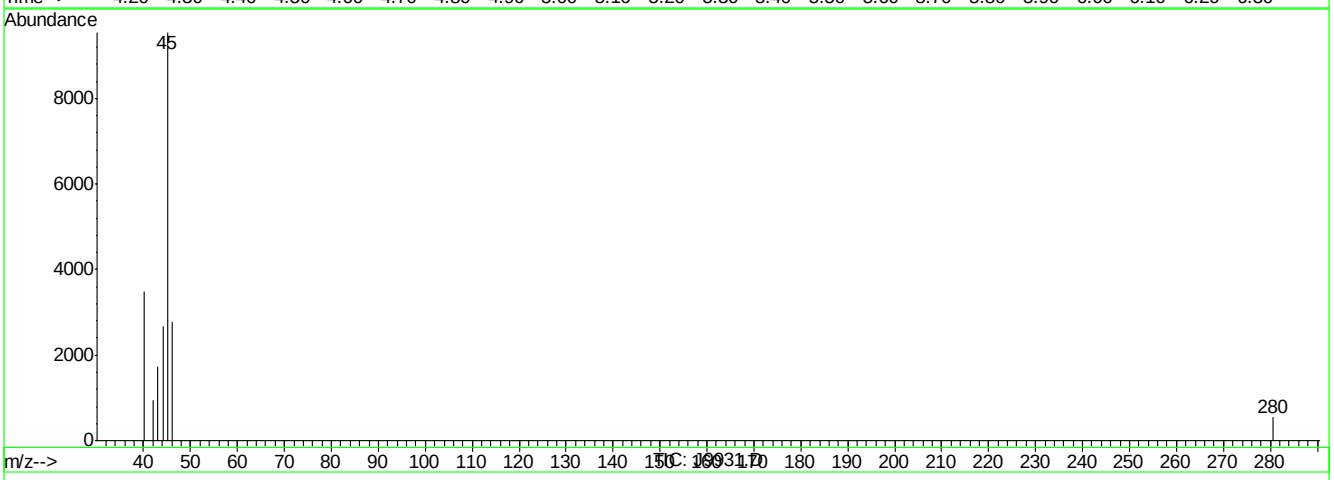
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.19min 4.88PPBV m

response 31179

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

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

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	441731	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1006876	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	802111	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	224365	4.10	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 82.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	225290	2.31	PPBV	98
3) PROPYLENE	4.00	41	36625	2.33	PPBV	93
4) FREON 114	4.33	85	187941	2.25	PPBV	91
5) CHLOROMETHANE	4.23	50	52823	2.53	PPBV	98
6) VINYL CHLORIDE	4.45	62	54447	2.30	PPBV	81
7) 1,3-BUTADIENE	4.58	39	46595	2.24	PPBV	86
8) BROMOMETHANE	4.85	94	58564	2.27	PPBV	97
9) CHLOROETHANE	5.02	64	27057	2.59	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.79	101	238855	2.24	PPBV	100
11) ISOPROPYL ALCOHOL	5.91	45	136359	4.24	PPBV	74
12) ACETONE	5.65	43	142309	4.37	PPBV	95
13) PENTANE	6.13	42	56469	2.47	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.42	96	56889	2.19	PPBV	91
15) CARBON DISULFIDE	6.84	76	183843	2.34	PPBV	90
16) ETHANOL	5.18	45	30563	5.78	PPBV #	44
17) BROMOETHENE	5.37	106	52660	2.06	PPBV #	96
18) METHYLENE CHLORIDE	6.53	84	77631	3.19	PPBV	91
19) 3-CHLOROPROPENE	6.64	39	58228	2.39	PPBV	86
20) FREON 113	6.77	151	122876	2.07	PPBV	92
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	61693	2.13	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.51	59	105409	2.37	PPBV	89
23) METHYL TERTIARY BUTYL ETHE	7.73	73	146451	2.37	PPBV	94
24) TETRAHYDROFURAN	9.17	42	42619	2.43	PPBV	87
25) HEXANE	8.62	57	90679	2.72	PPBV	86
26) VINYL ACETATE	7.78	43	97481	2.50	PPBV	91
27) 1,1-DICHLOROETHANE	7.64	63	123517	2.49	PPBV	100
28) METHYL ETHYL KETONE	8.06	43	132305	3.53	PPBV	88
29) cis-1,2-DICHLOROETHYLENE	8.45	96	70580	2.23	PPBV	98
30) ETHYL ACETATE	8.67	43	122606	3.02	PPBV	97
31) CHLOROFORM	8.73	83	205834	2.49	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.67	97	157232	2.31	PPBV	96
33) CARBON TETRACHLORIDE	10.24	117	182420	2.12	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	79025	2.27	PPBV	97
36) BENZENE	10.11	78	115381	2.44	PPBV	97
37) CYCLOHEXANE	10.36	84	47209	2.11	PPBV	91
38) TRICHLOROETHYLENE	11.10	95	58744	1.96	PPBV	93
39) 1,2-DICHLOROPROPANE	10.88	63	42013	2.51	PPBV	97
40) BROMODICHLOROMETHANE	11.08	83	120687	2.22	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	212708	2.35	PPBV	94
42) 1,4-DIOXANE	11.17	88	24898	3.09	PPBV	91
43) HEPTANE	11.35	43	67046	2.34	PPBV	92

Quantitation Report (QT Reviewed)

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

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

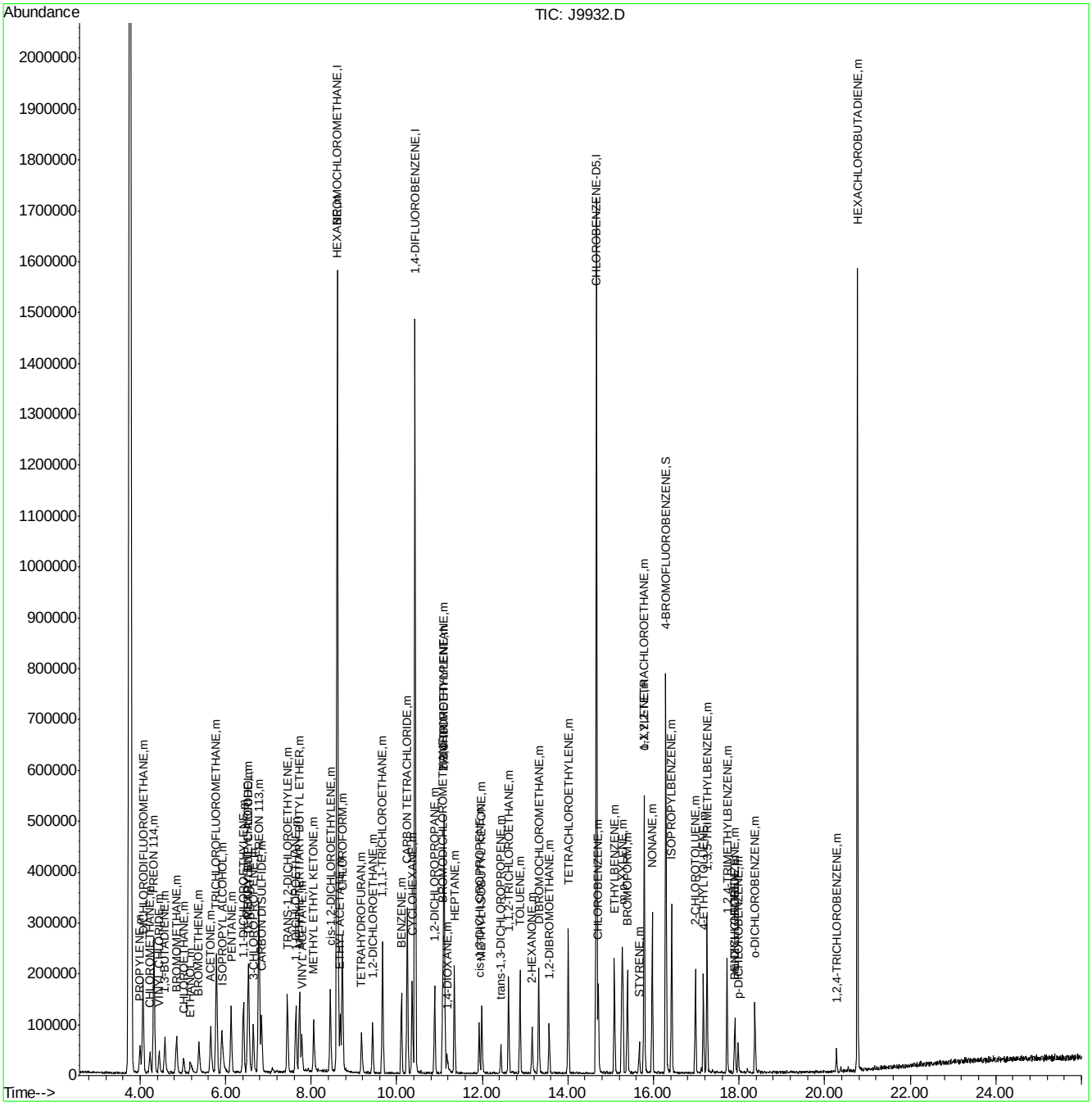
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	88268	2.31	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.93	75	41724	1.61	PPBV	87
46) TOLUENE	12.88	92	68342	2.01	PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.43	75	25410	1.17	PPBV	83
48) 1,1,2-TRICHLOROETHANE	12.61	83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

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

Quantitation Report (QT Reviewed)

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

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

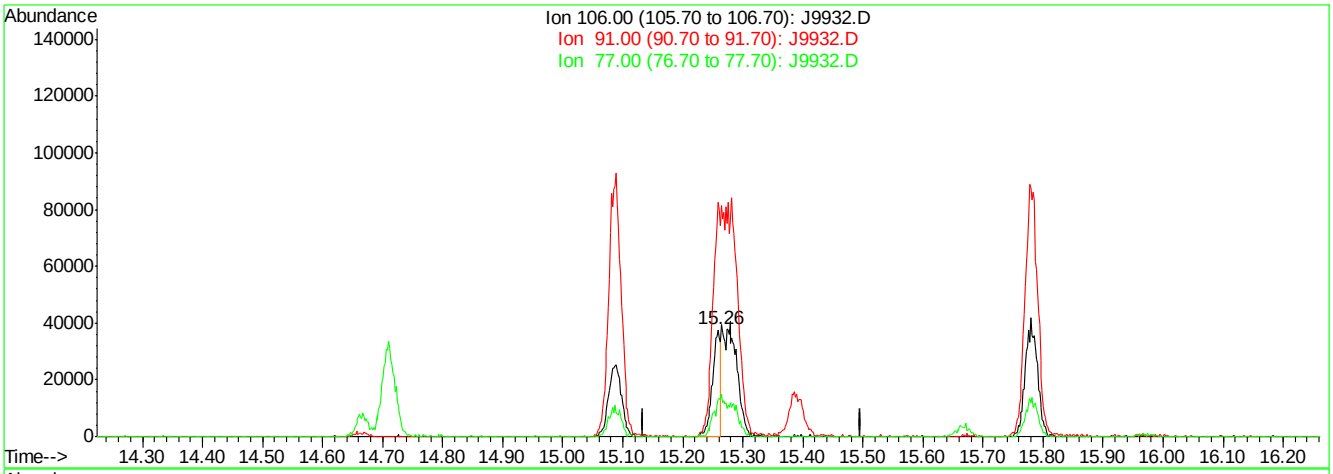


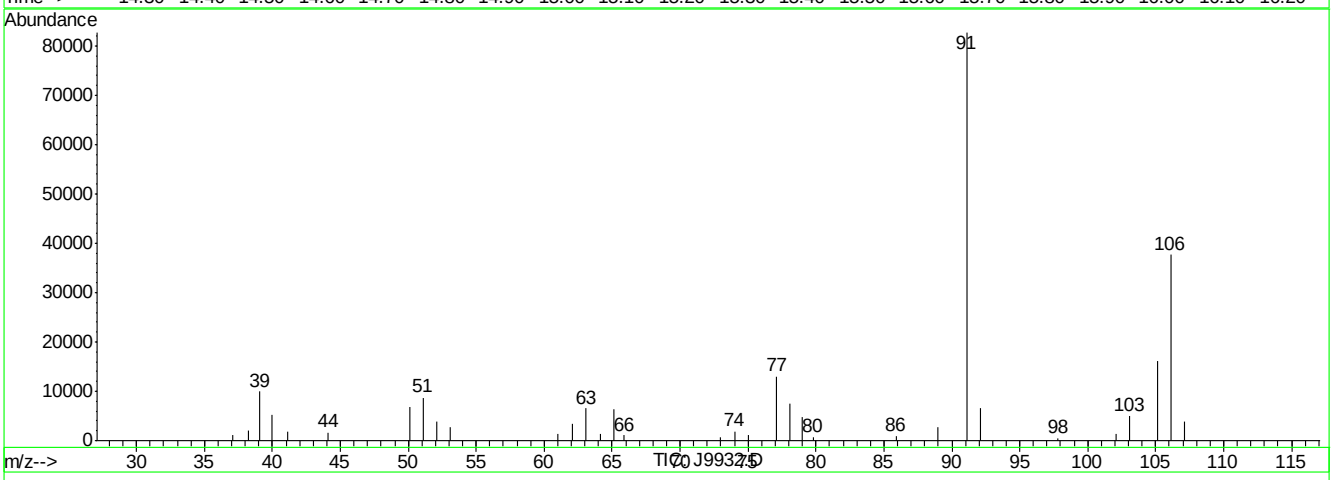
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.26min 1.02PPBV

response 33126

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

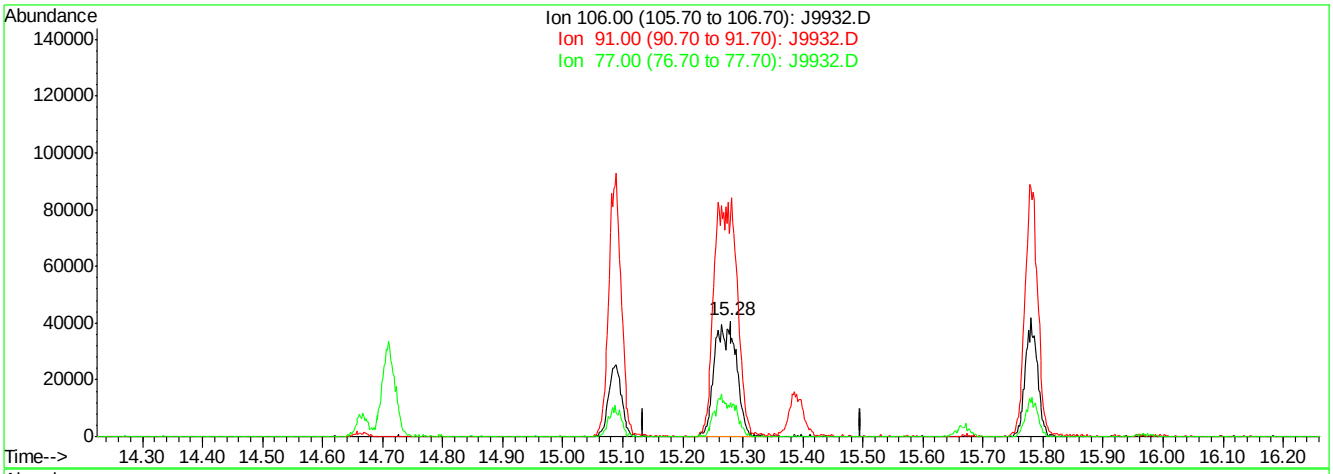
J9932.D J040407T.M Thu Apr 05 15:53:08 2007

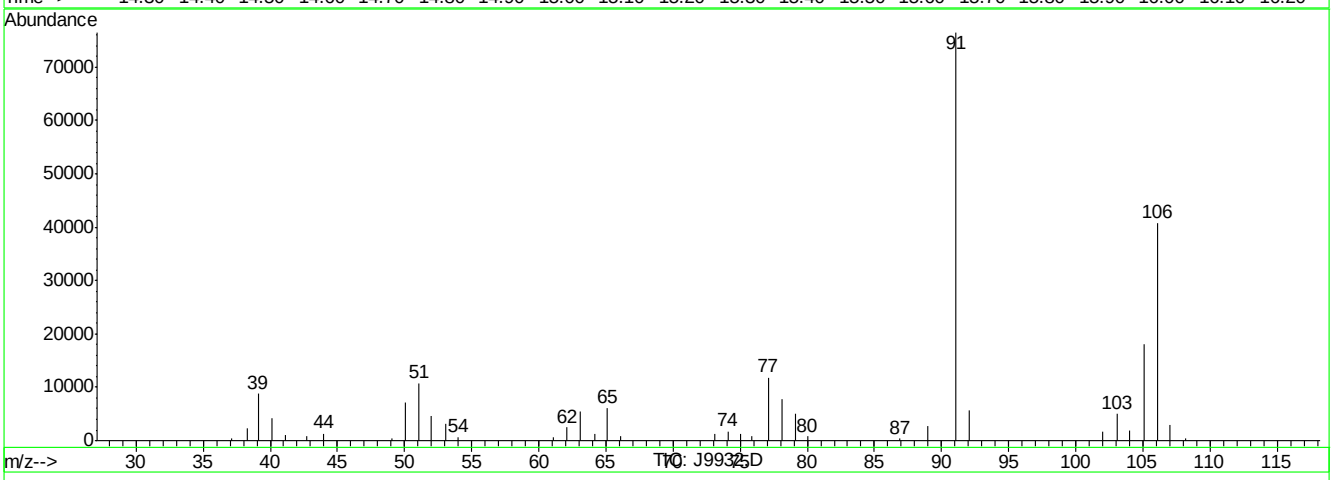
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.28min 3.12PPBV m

response 101232

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

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

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	461363	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1100926	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	838778	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	194482	3.53	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 70.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	55415	0.53	PPBV	97
3) PROPYLENE	4.01	41	8192m	0.48	PPBV	
4) FREON 114	4.33	85	45000	0.50	PPBV	86
5) CHLOROMETHANE	4.24	50	13024	0.57	PPBV	71
6) VINYL CHLORIDE	4.45	62	12315m	0.48	PPBV	
7) 1,3-BUTADIENE	4.59	39	8680	0.39	PPBV #	54
8) BROMOMETHANE	4.86	94	14164m	0.51	PPBV	
9) CHLOROETHANE	5.03	64	5661m	0.49	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	55539	0.49	PPBV	96
11) ISOPROPYL ALCOHOL	5.98	45	28991m	0.70	PPBV	
12) ACETONE	5.68	43	30086m	0.71	PPBV	
13) PENTANE	6.14	42	13955m	0.56	PPBV	
14) 1,1-DICHLOROETHYLENE	6.42	96	12249	0.44	PPBV #	83
15) CARBON DISULFIDE	6.85	76	44488	0.52	PPBV	83
16) ETHANOL	5.24	45	6429m	0.84	PPBV	
17) BROMOETHENE	5.39	106	11336	0.42	PPBV #	93
18) METHYLENE CHLORIDE	6.54	84	20363	0.72	PPBV	92
19) 3-CHLOROPROPENE	6.65	39	11668	0.44	PPBV #	57
20) FREON 113	6.77	151	27696	0.44	PPBV	88
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	13151	0.43	PPBV #	87
22) TERTIARY BUTYL ALCOHOL	6.59	59	21097m	0.44	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.75	73	27555	0.41	PPBV	82
24) TETRAHYDROFURAN	9.21	42	6631m	0.35	PPBV	
25) HEXANE	8.62	57	20641	0.55	PPBV #	81
26) VINYL ACETATE	7.80	43	19233	0.45	PPBV	86
27) 1,1-DICHLOROETHANE	7.64	63	28263	0.52	PPBV #	55
28) METHYL ETHYL KETONE	8.08	43	25497	0.57	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.45	96	15353m	0.45	PPBV	
30) ETHYL ACETATE	8.70	43	23213m	0.50	PPBV	
31) CHLOROFORM	8.73	83	46569	0.51	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.67	97	32224	0.44	PPBV	94
33) CARBON TETRACHLORIDE	10.25	117	40610	0.45	PPBV	90
34) 1,2-DICHLOROETHANE	9.44	62	15944	0.43	PPBV	82
36) BENZENE	10.11	78	21067	0.39	PPBV	93
37) CYCLOHEXANE	10.36	84	7773	0.31	PPBV	87
38) TRICHLOROETHYLENE	11.11	95	11601	0.35	PPBV	88
39) 1,2-DICHLOROPROPANE	10.90	63	8011	0.42	PPBV	93
40) BROMODICHLOROMETHANE	11.08	83	25553	0.42	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	34413	0.34	PPBV	89
42) 1,4-DIOXANE	11.23	88	2735m	0.28	PPBV	
43) HEPTANE	11.36	43	10976	0.34	PPBV #	72

ACCUTEST Laboratories M64501

Quantitation Report (QT Reviewed)

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

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

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

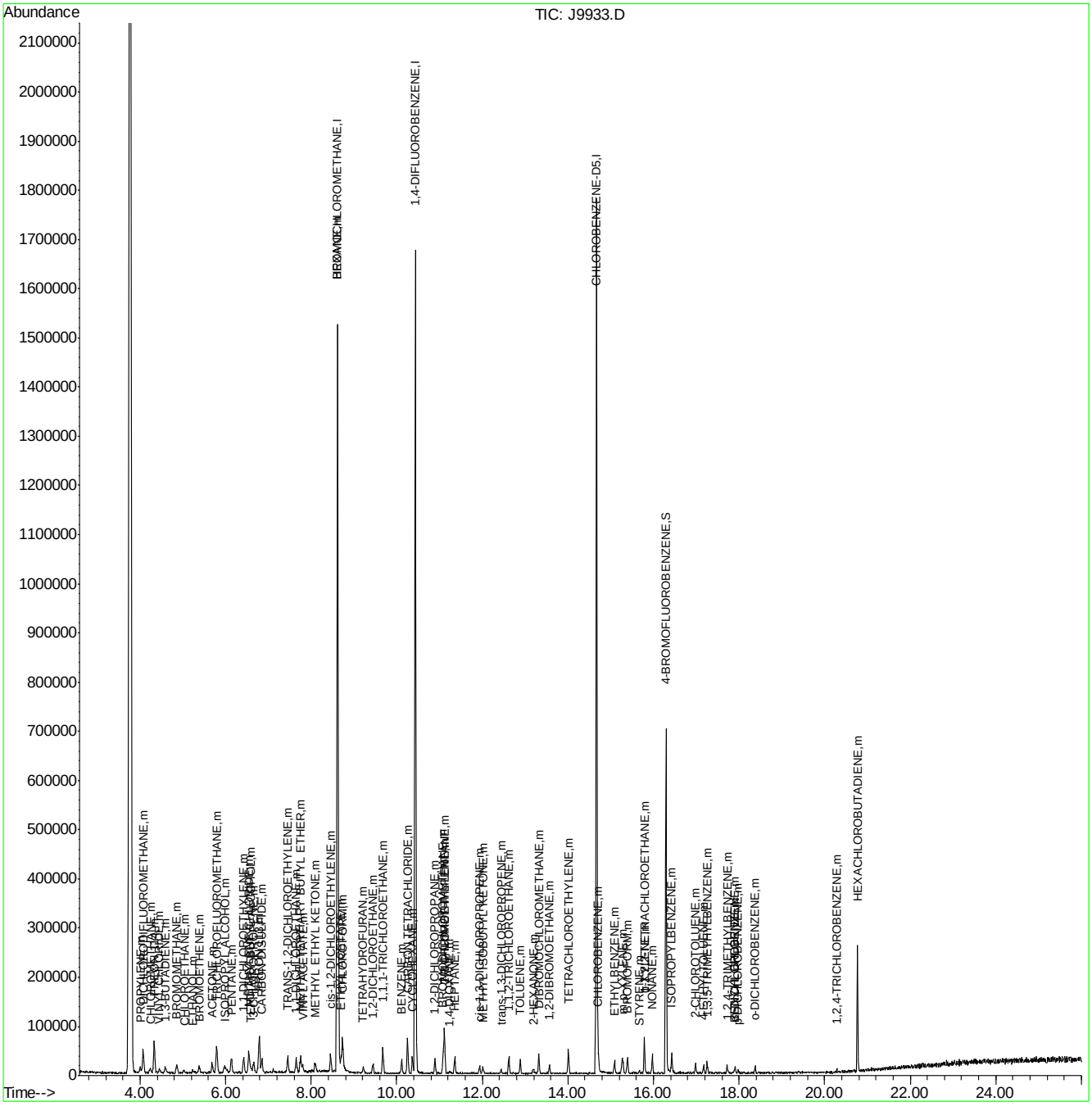
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M64501

Quantitation Report (QT Reviewed)

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

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

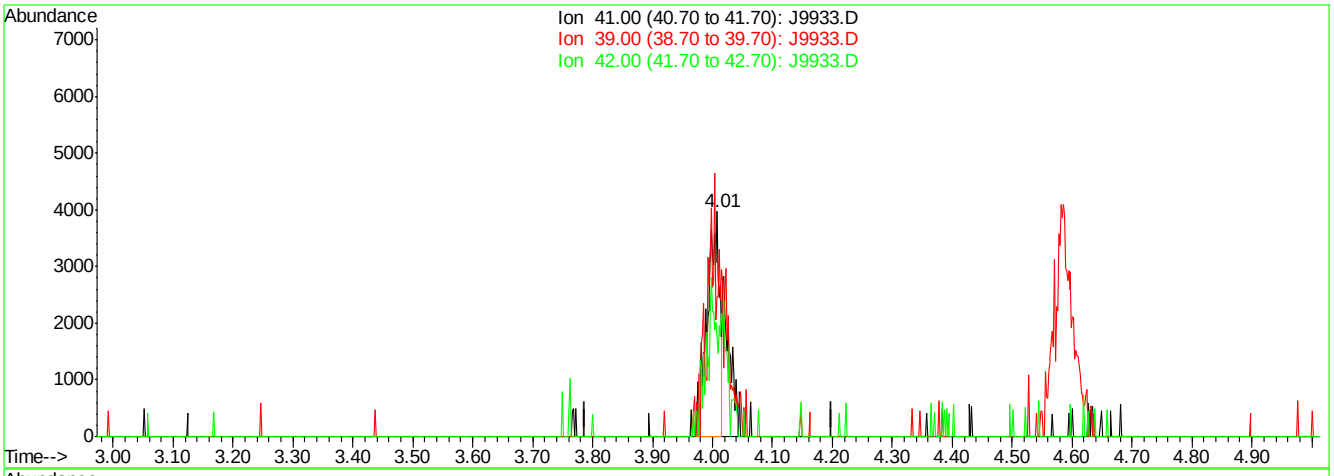


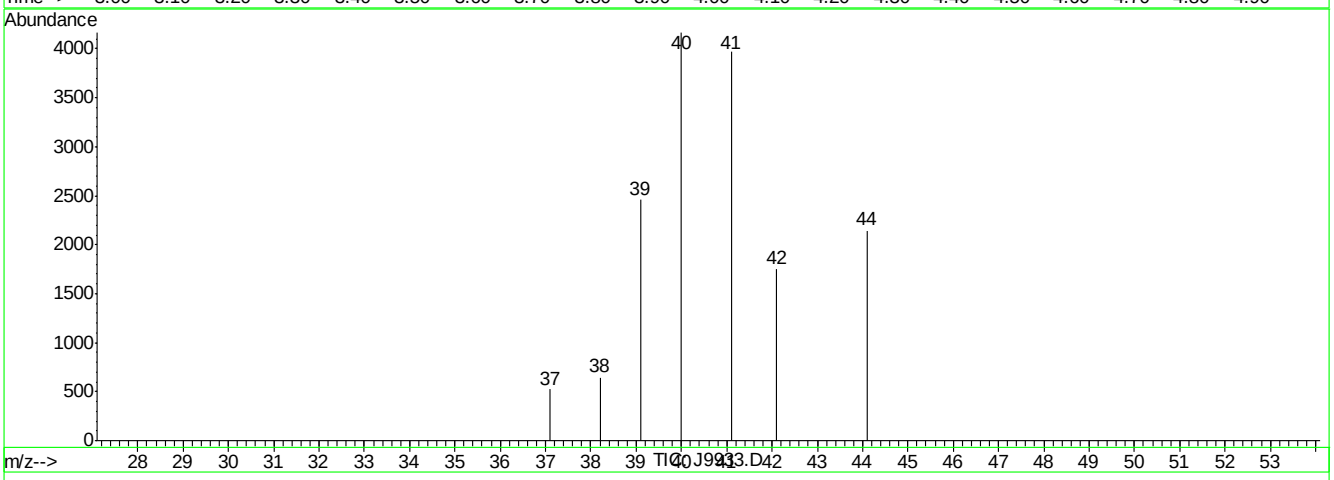
Quantitation Report (Qedit)

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

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

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





(3) PROPYLENE (m)

4.01min 0.33PPBV

response 5587

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

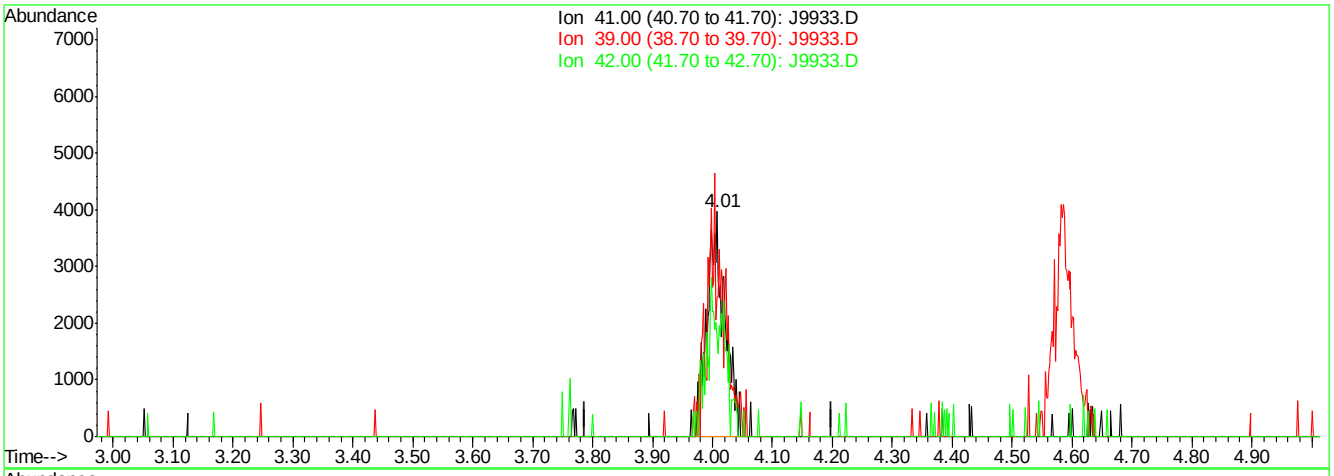
J9933.D J040407T.M Thu Apr 05 16:36:01 2007

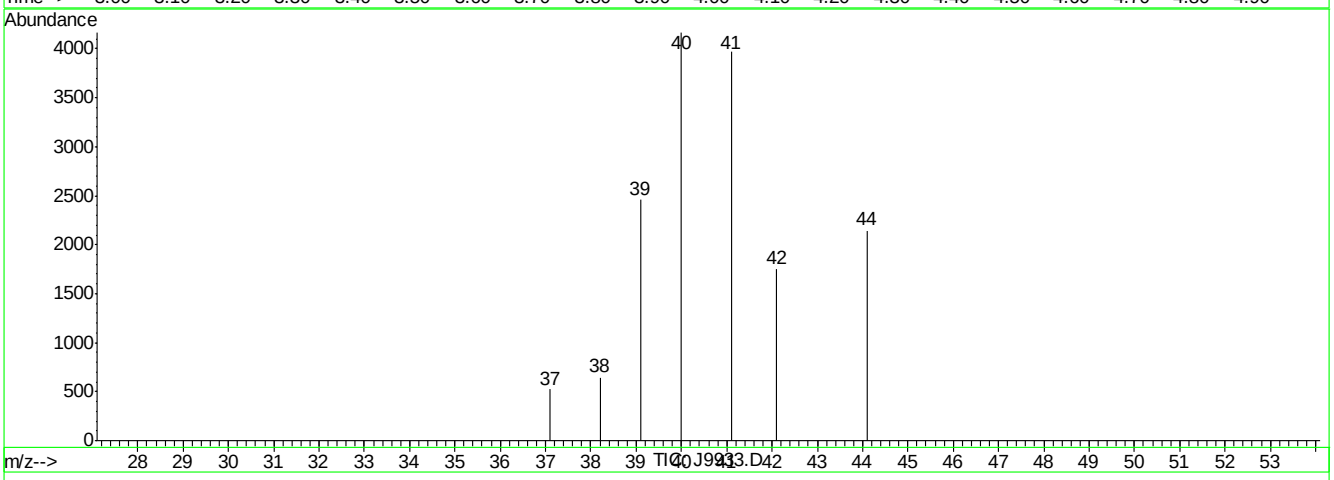
Quantitation Report (Qedit)

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

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

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





(3) PROPYLENE (m)

4.01min 0.48PPBV m

response 8192

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

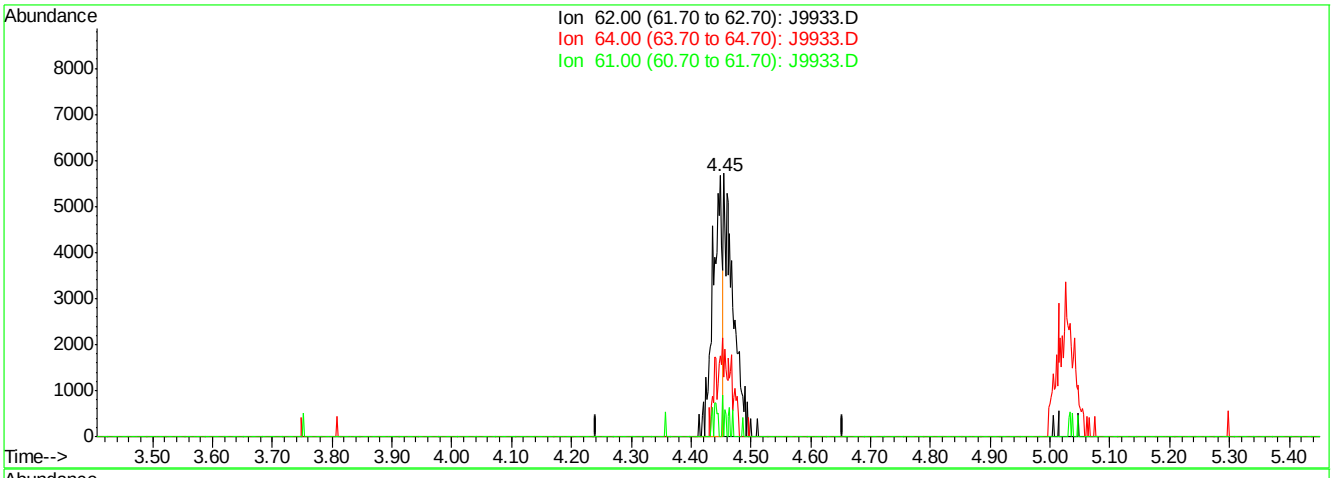
J9933.D J040407T.M Thu Apr 05 16:36:05 2007

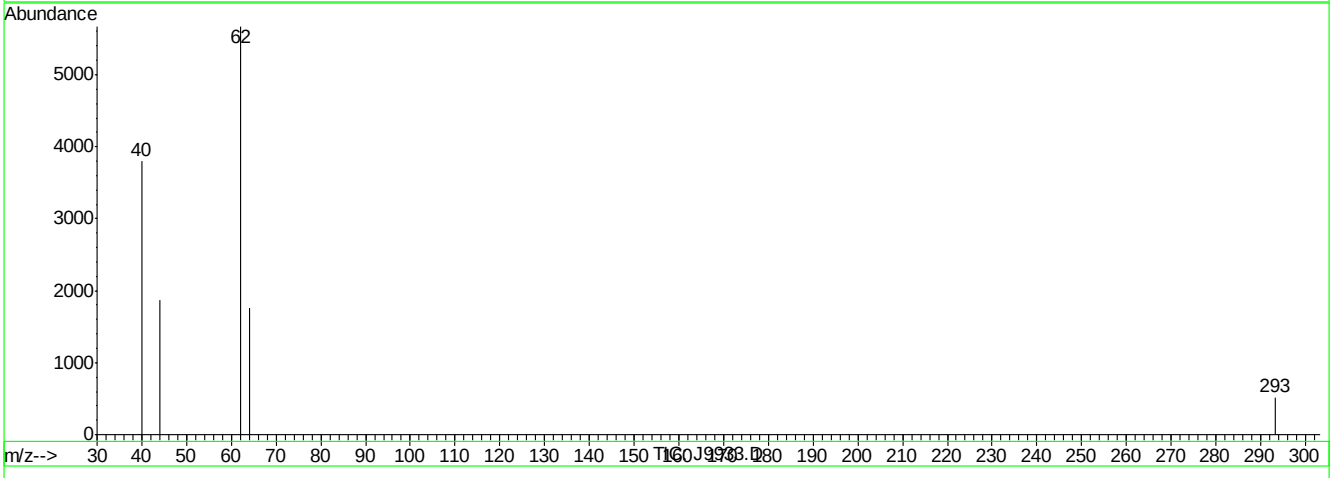
Quantitation Report (Qedit)

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

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

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





(6) VINYL CHLORIDE (m)

4.45min 0.23PPBV

response 5874

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

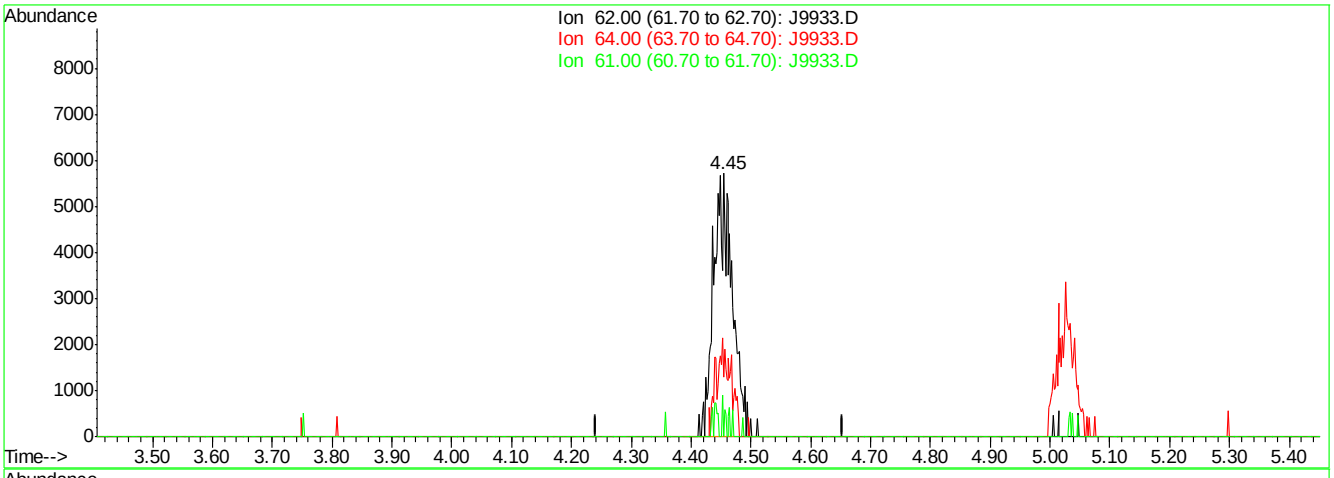
J9933.D J040407T.M Thu Apr 05 16:36:09 2007

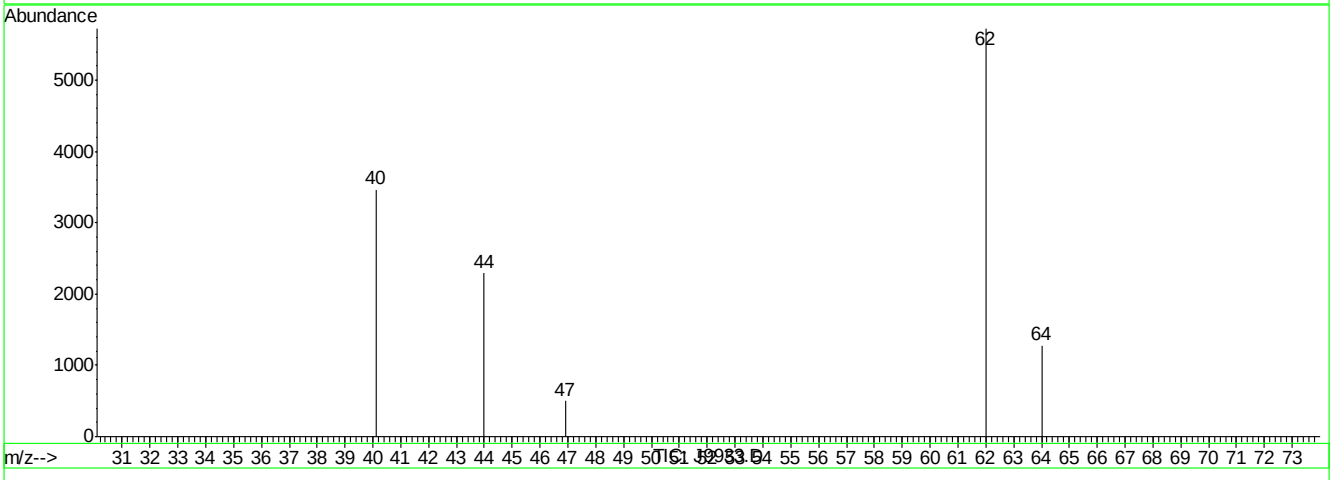
Quantitation Report (Qedit)

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

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

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





(6) VINYL CHLORIDE (m)

4.45min 0.48PPBV m

response 12315

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

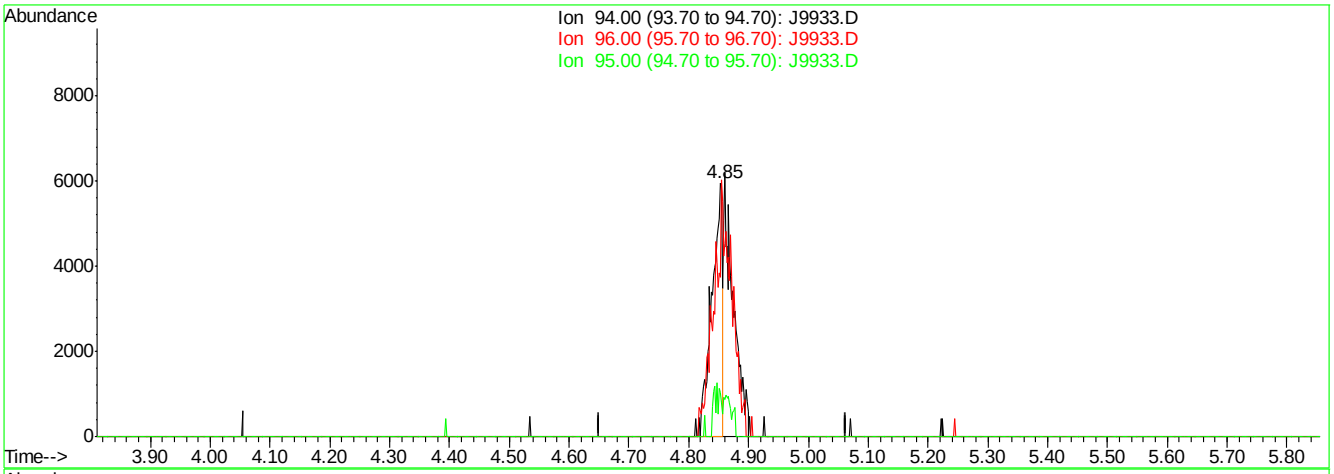
J9933.D J040407T.M Thu Apr 05 16:36:14 2007

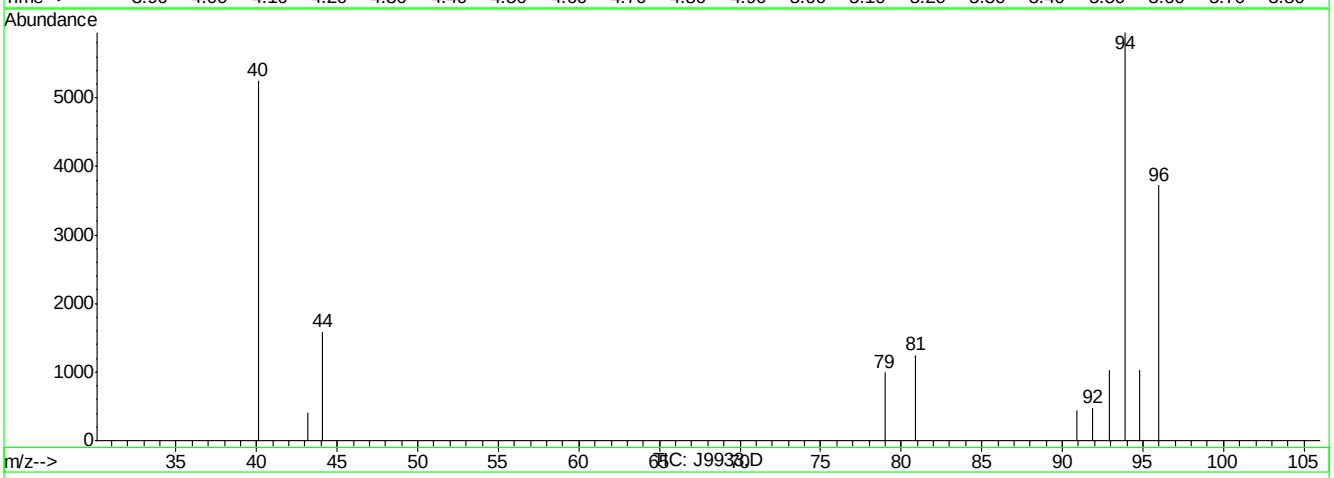
Quantitation Report (Qedit)

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

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

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





(8) BROMOMETHANE (m)

4.85min 0.25PPBV

response 7036

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

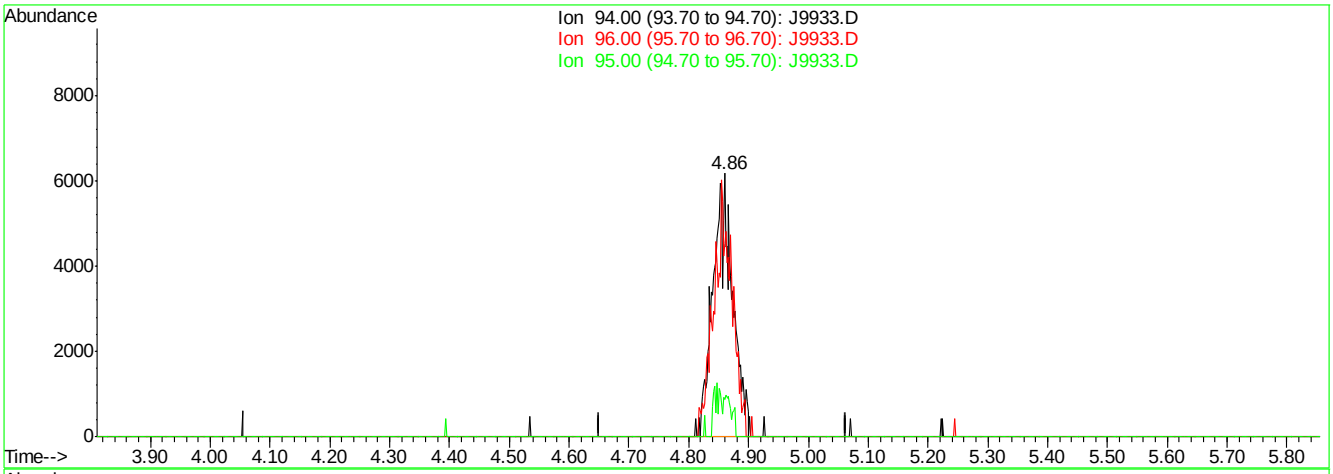
J9933.D J040407T.M Thu Apr 05 16:36:19 2007

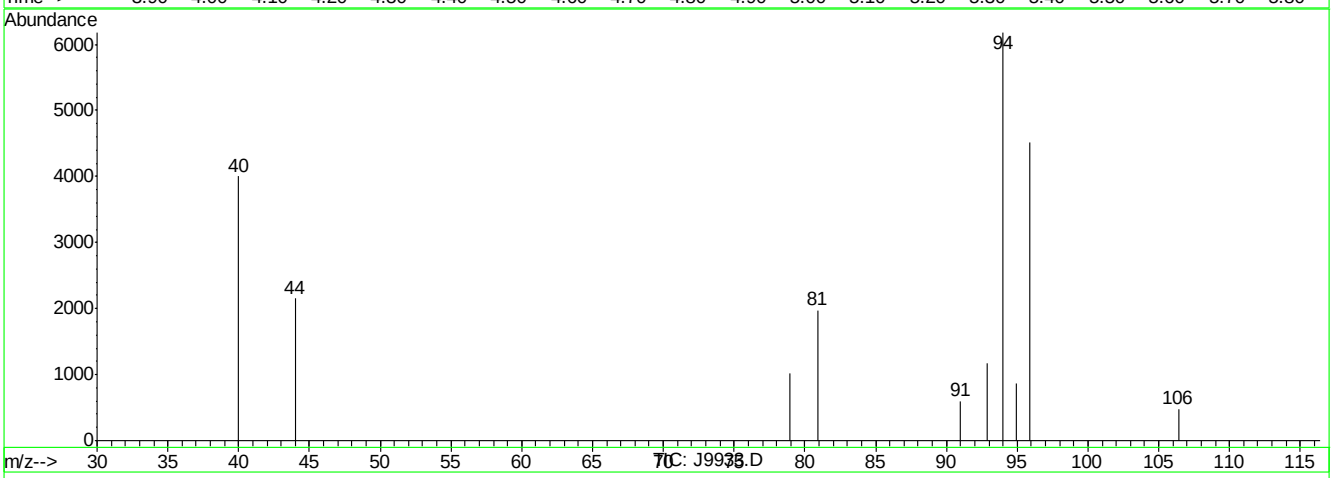
Quantitation Report (Qedit)

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

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

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





(8) BROMOMETHANE (m)

4.86min 0.51PPBV m

response 14164

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

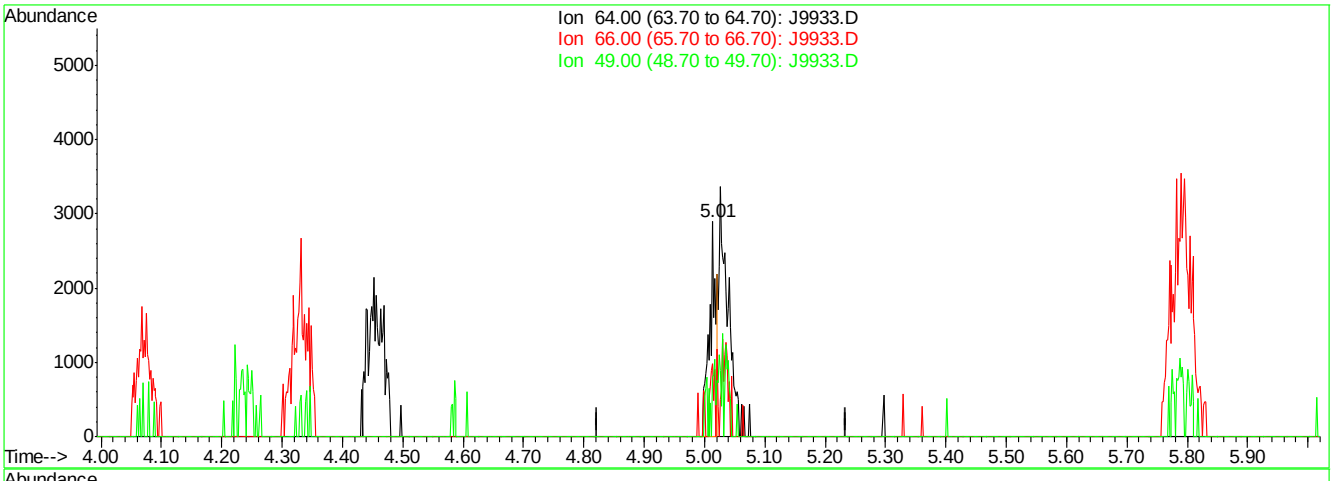
J9933.D J040407T.M Thu Apr 05 16:36:22 2007

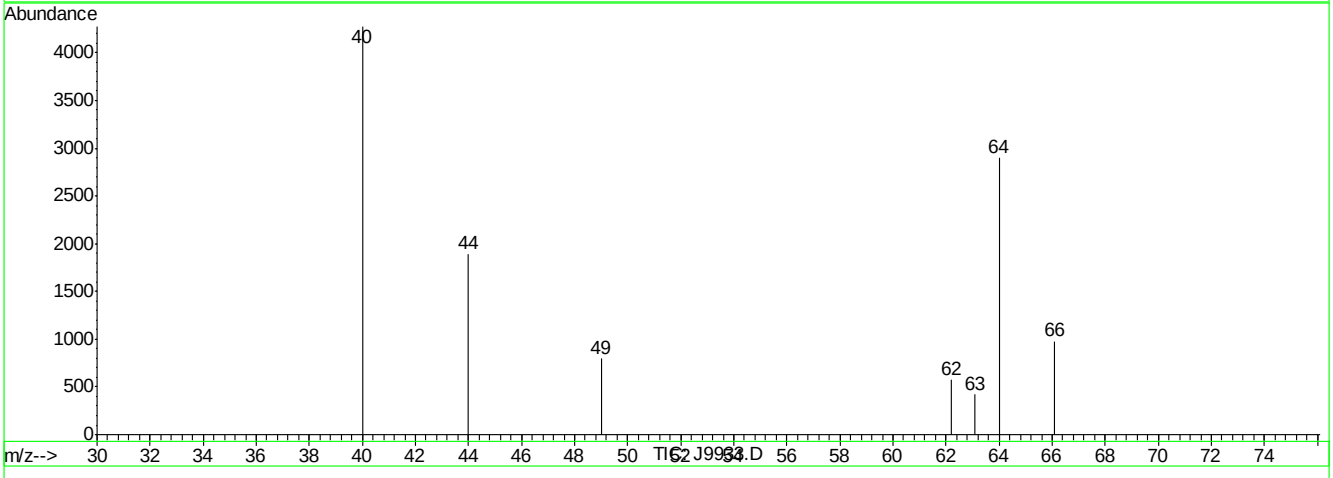
Quantitation Report (Qedit)

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

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

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





(9) CHLOROETHANE (m)

5.01min 0.18PPBV

response 2115

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

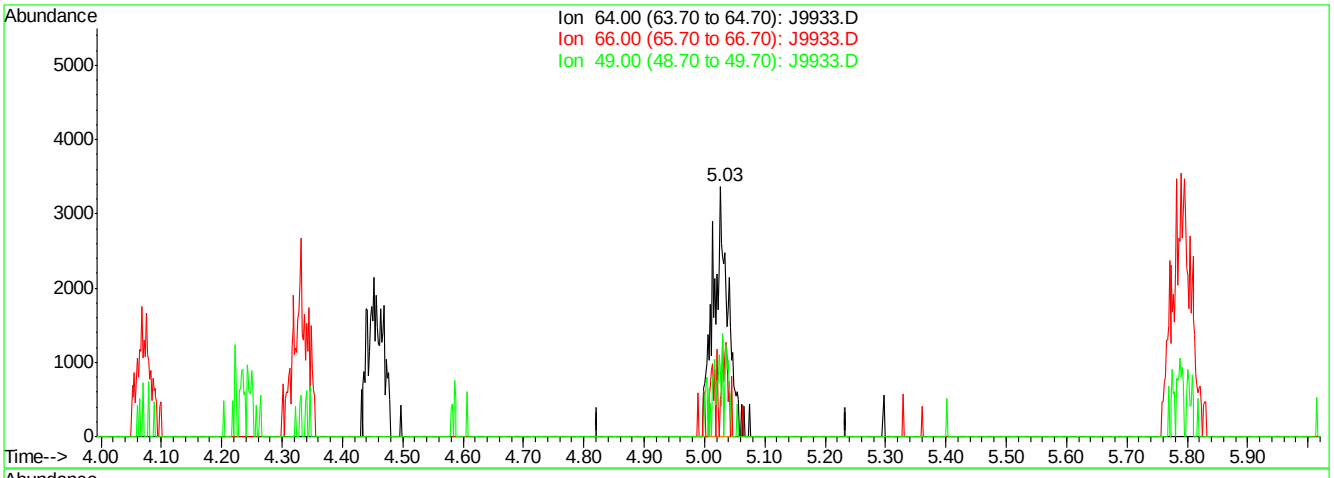
J9933.D J040407T.M Thu Apr 05 16:36:25 2007

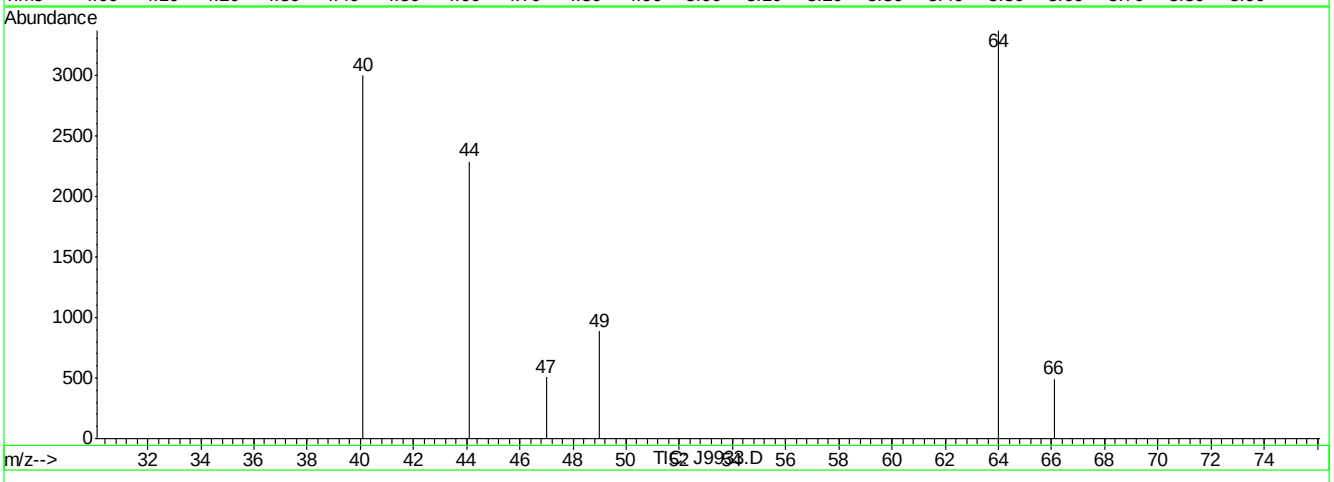
Quantitation Report (Qedit)

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

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

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





(9) CHLOROETHANE (m)

5.03min 0.49PPBV m

response 5661

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

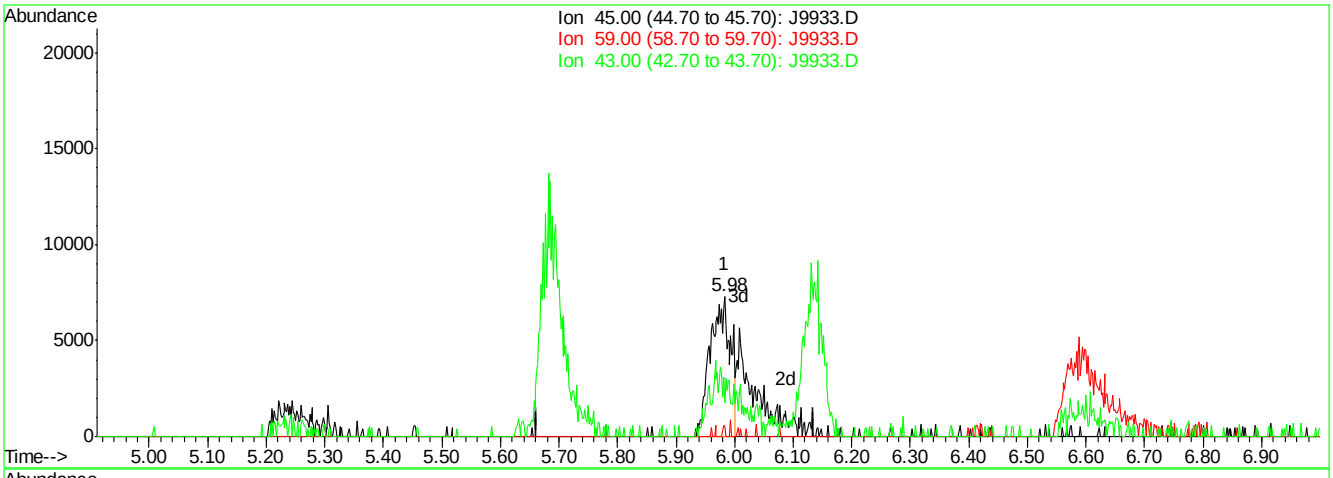
J9933.D J040407T.M Thu Apr 05 16:36:29 2007

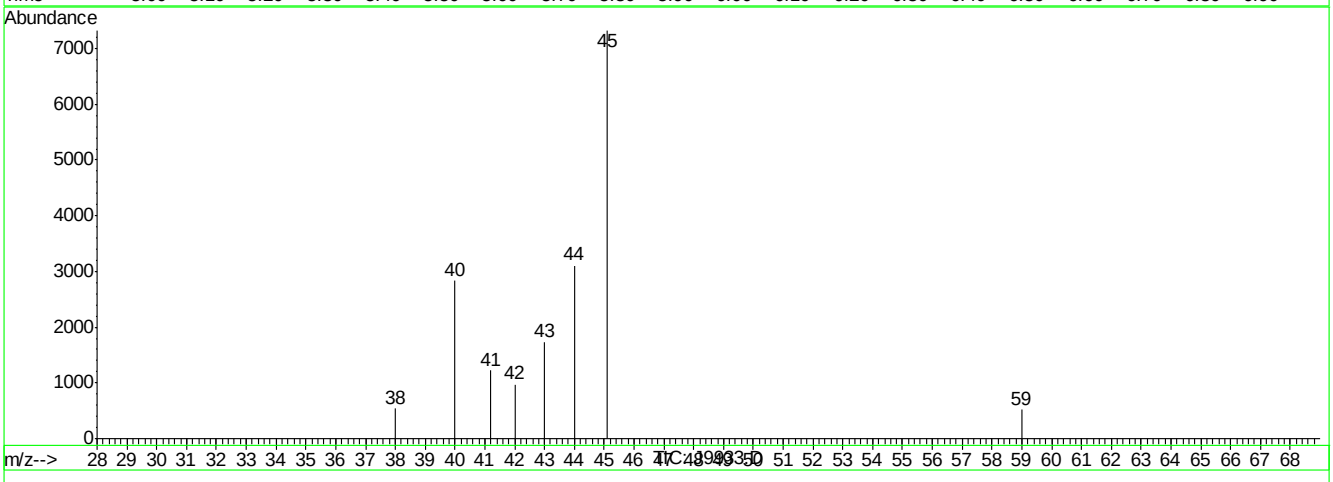
Quantitation Report (Qedit)

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

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

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





(11) ISOPROPYL ALCOHOL (m)

5.98min 0.42PPBV

response 17129

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

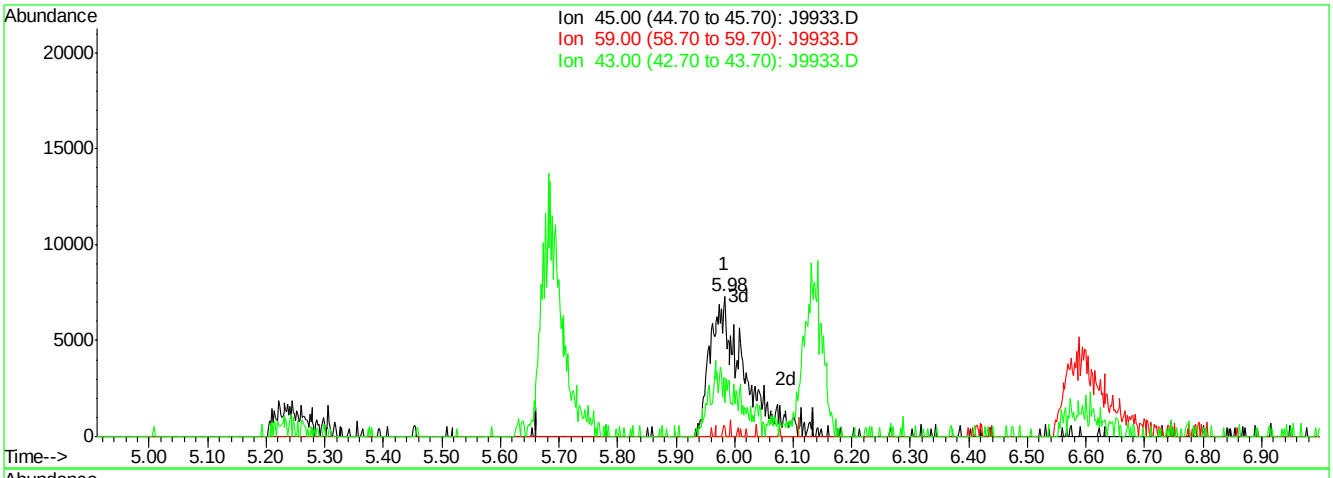
J9933.D J040407T.M Thu Apr 05 16:36:32 2007

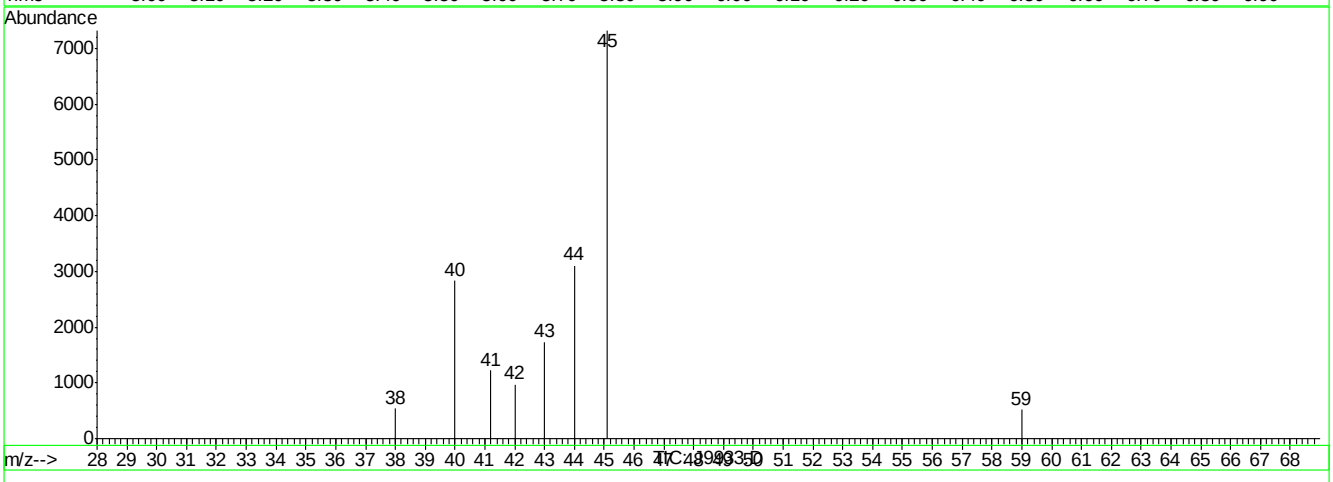
Quantitation Report (Qedit)

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

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

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





(11) ISOPROPYL ALCOHOL (m)

5.98min 0.70PPBV m

response 28991

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

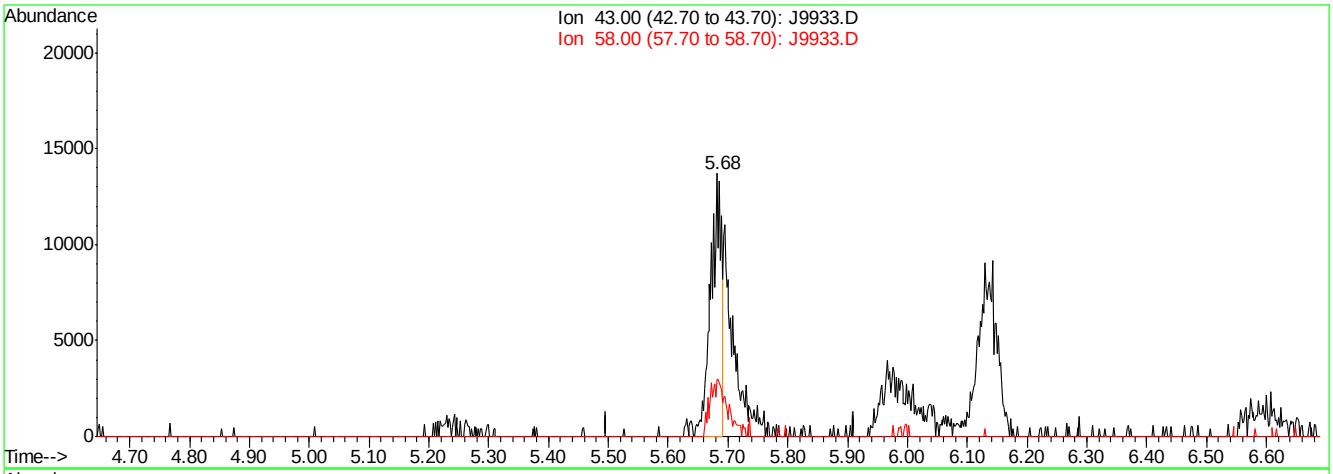
J9933.D J040407T.M Thu Apr 05 16:36:38 2007

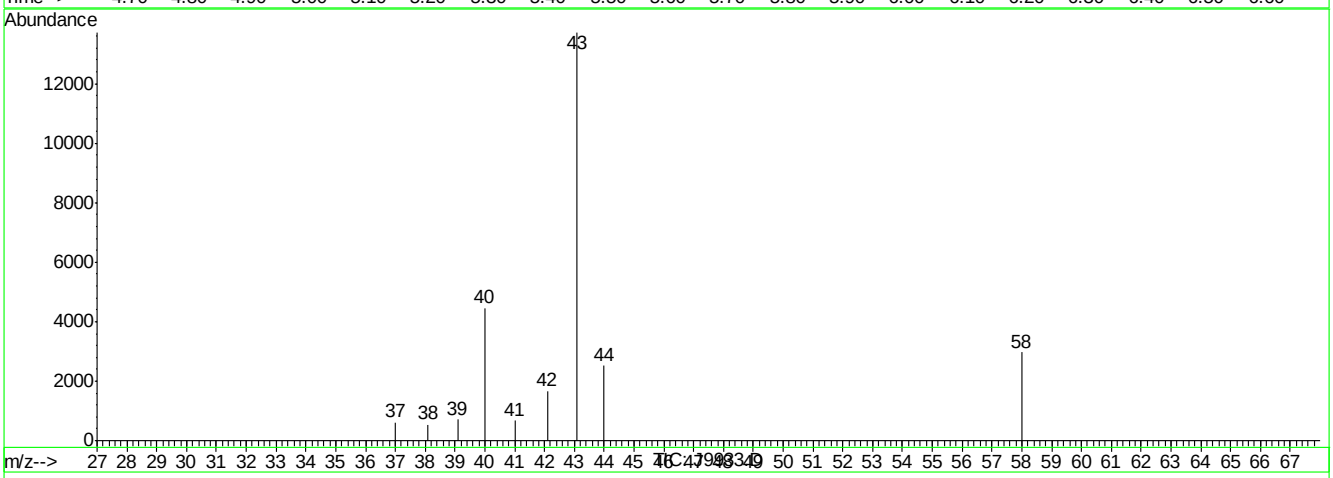
Quantitation Report (Qedit)

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

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

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





(12) ACETONE (m)

5.68min 0.39PPBV

response 16503

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

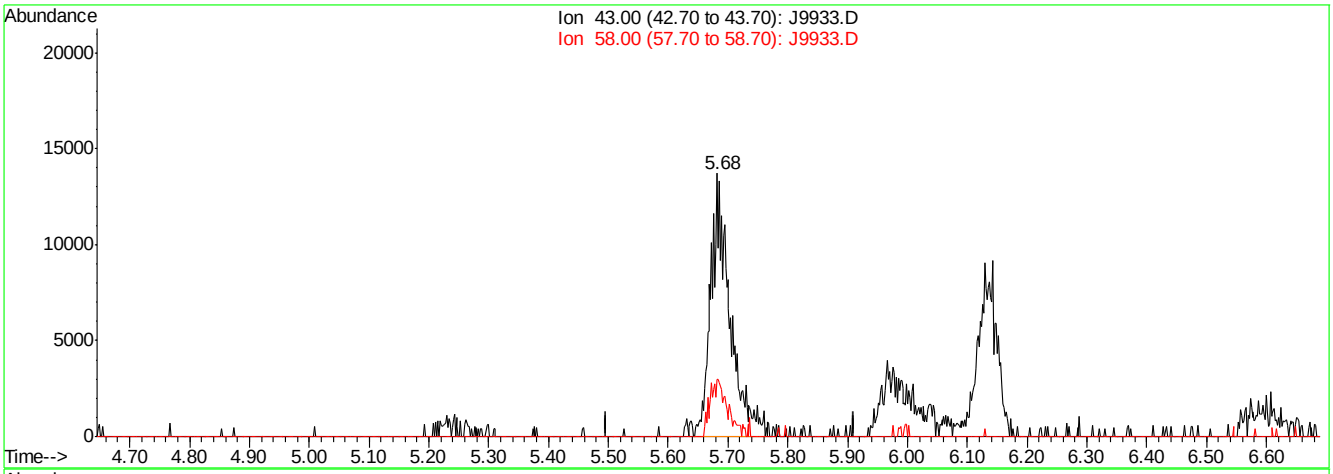
J9933.D J040407T.M Thu Apr 05 16:36:42 2007

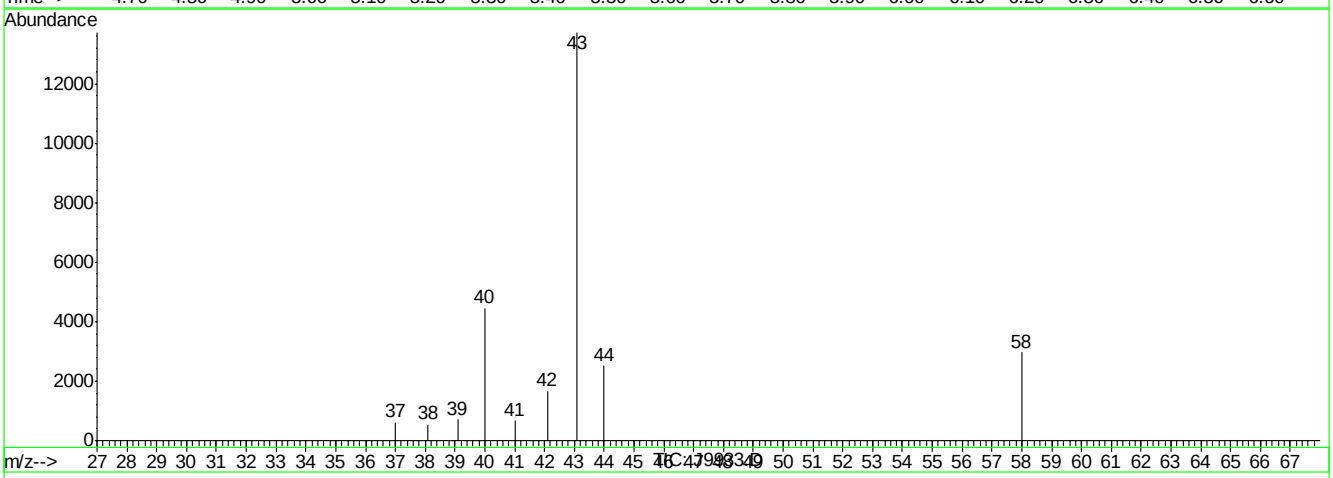
Quantitation Report (Qedit)

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

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

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





(12) ACETONE (m)

5.68min 0.71PPBV m

response 30086

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

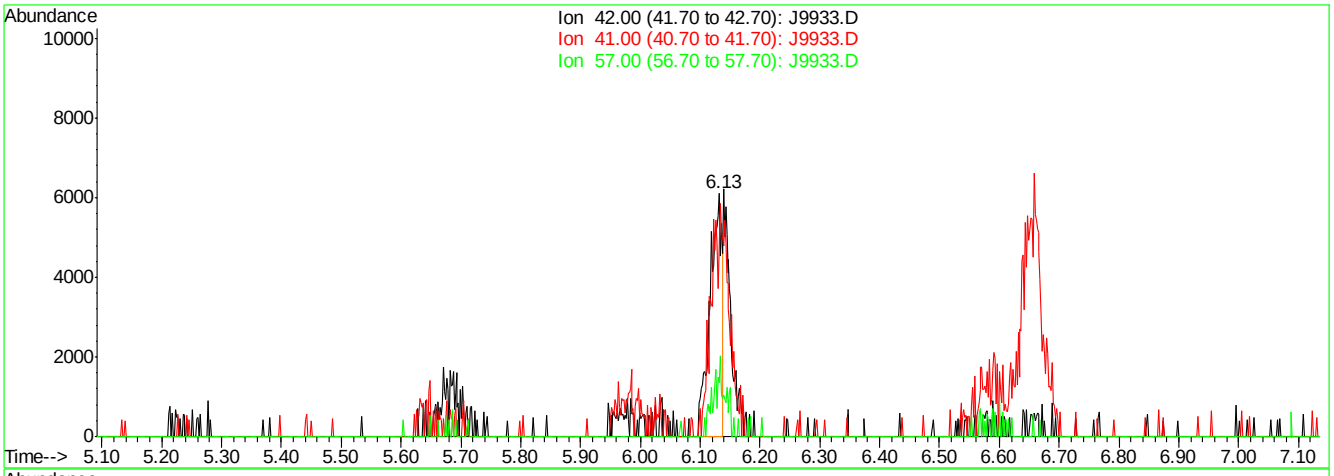
J9933.D J040407T.M Thu Apr 05 16:36:46 2007

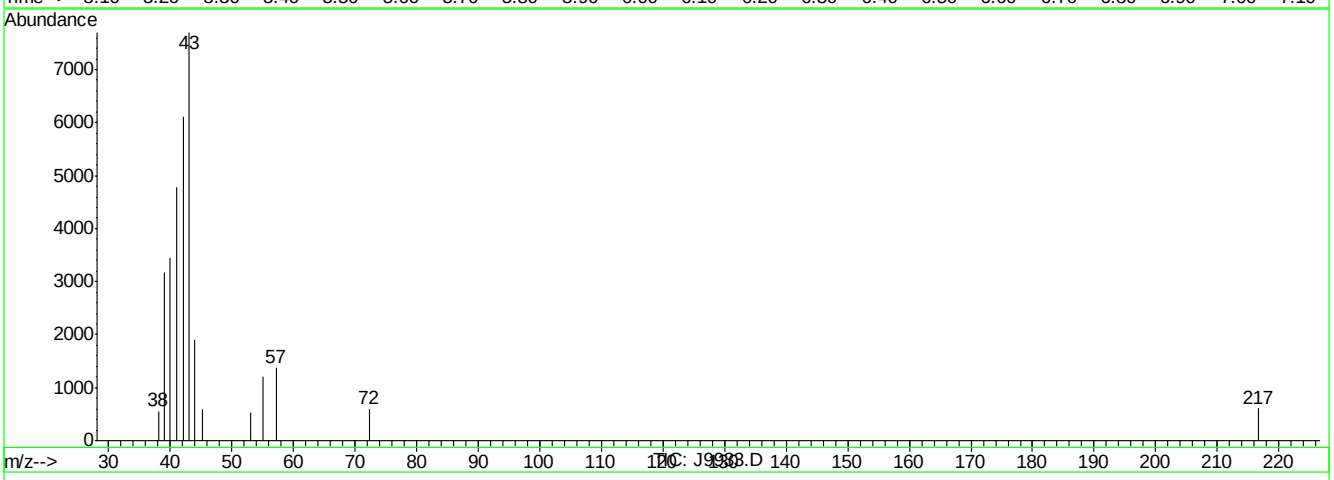
Quantitation Report (Qedit)

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

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

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





(13) PENTANE (m)

6.13min 0.33PPBV

response 8287

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

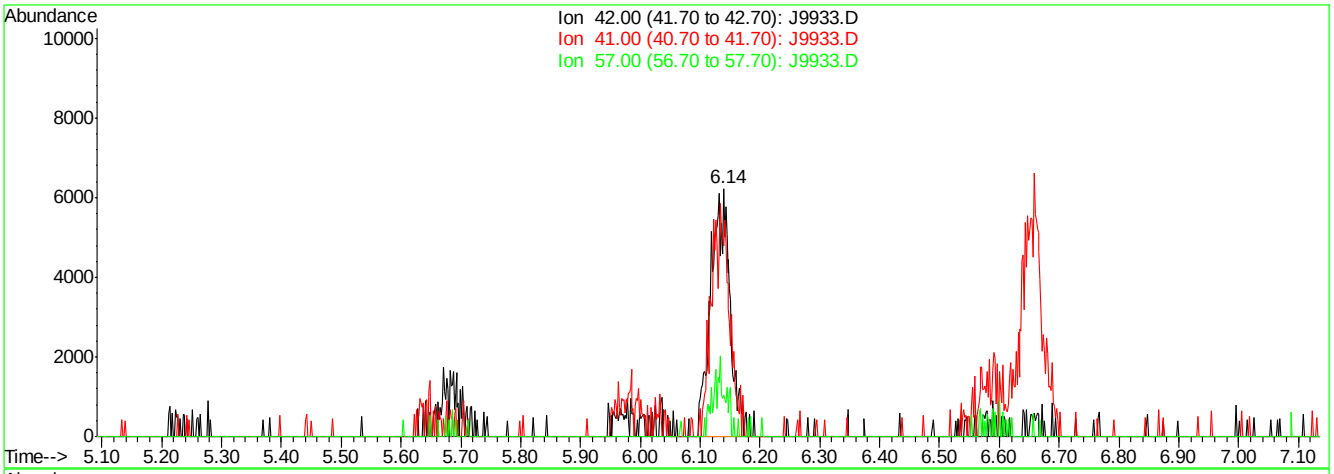
J9933.D J040407T.M Thu Apr 05 16:36:49 2007

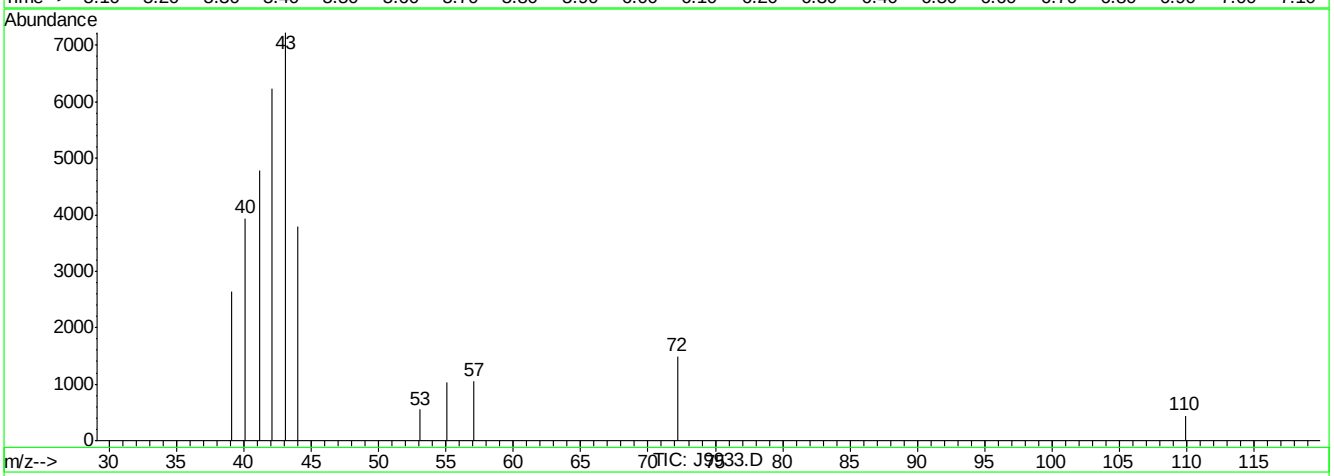
Quantitation Report (Qedit)

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

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

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





(13) PENTANE (m)

6.14min 0.56PPBV m

response 13955

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

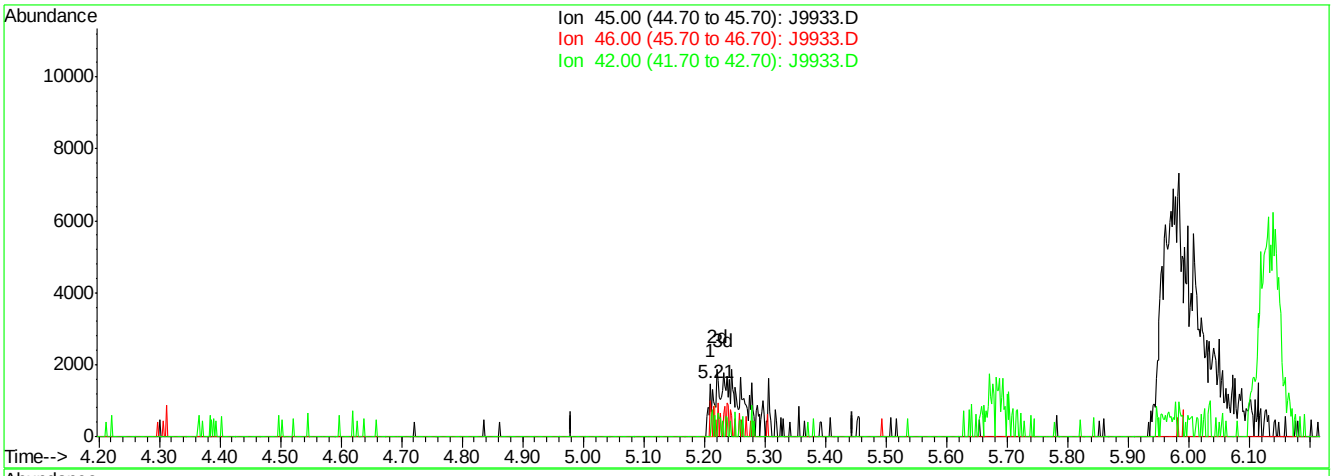
J9933.D J040407T.M Thu Apr 05 16:36:52 2007

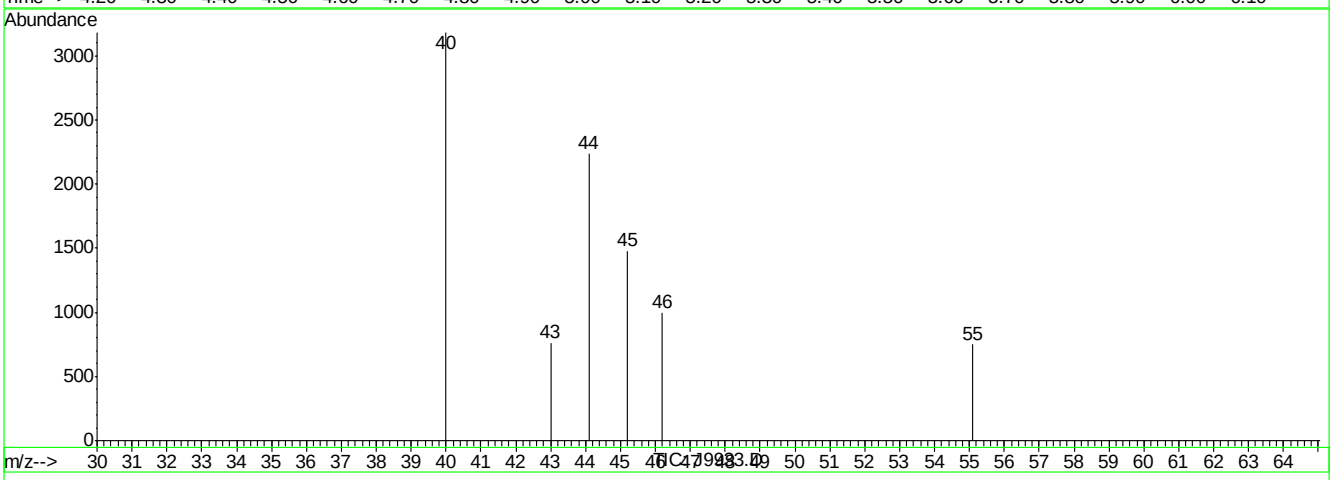
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.21min 0.11PPBV

response 859

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

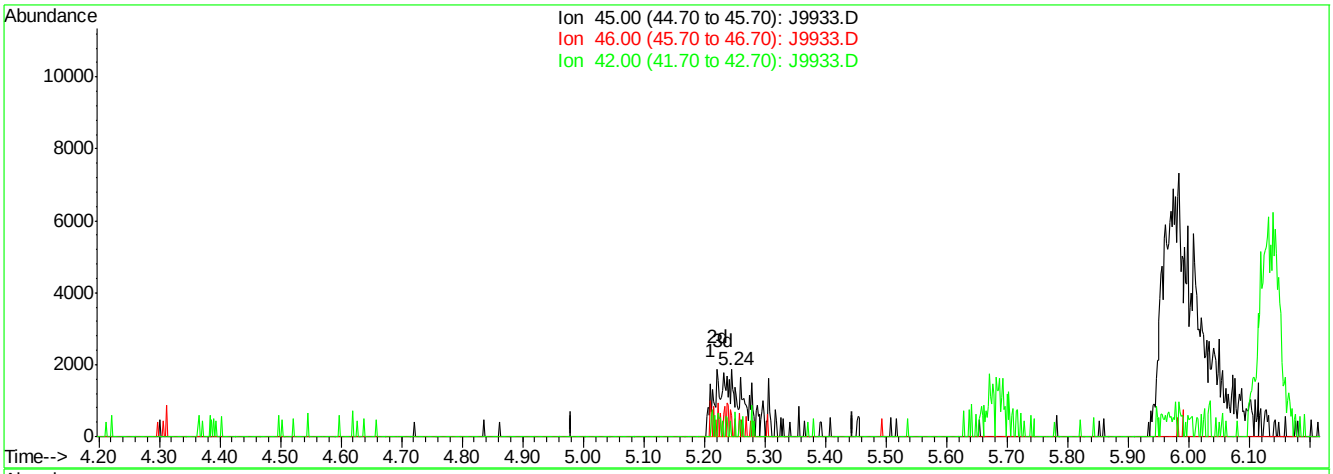
J9933.D J040407T.M Thu Apr 05 16:36:56 2007

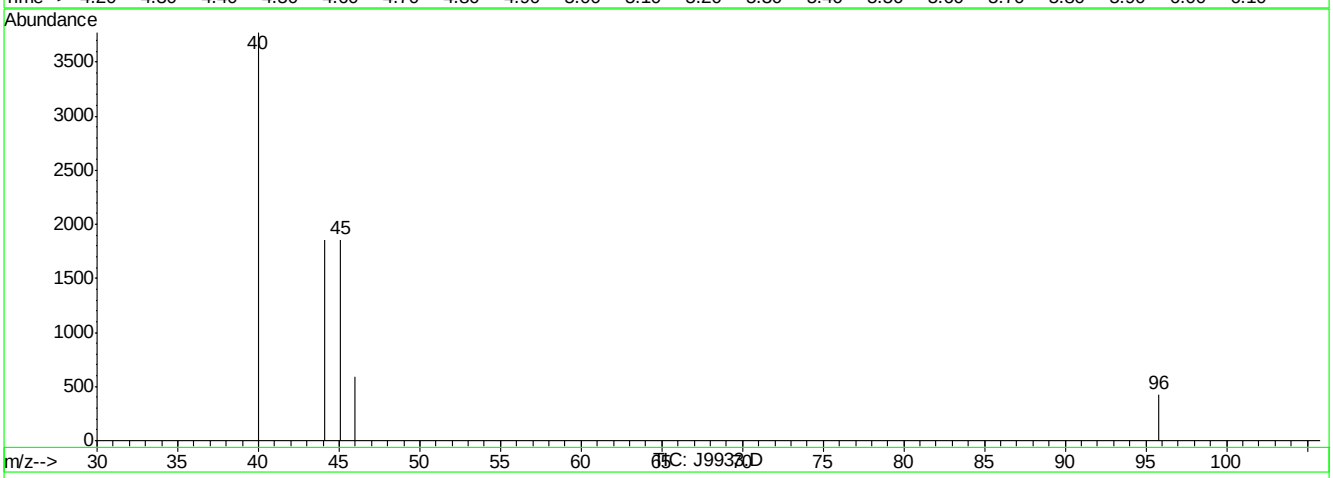
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.24min 0.84PPBV m

response 6429

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

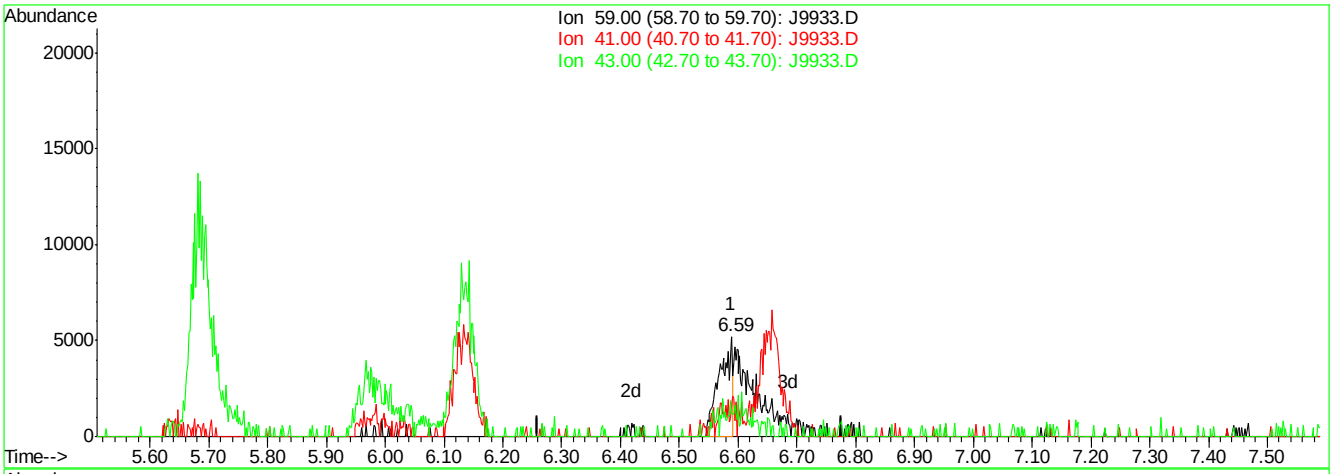
J9933.D J040407T.M Thu Apr 05 16:37:03 2007

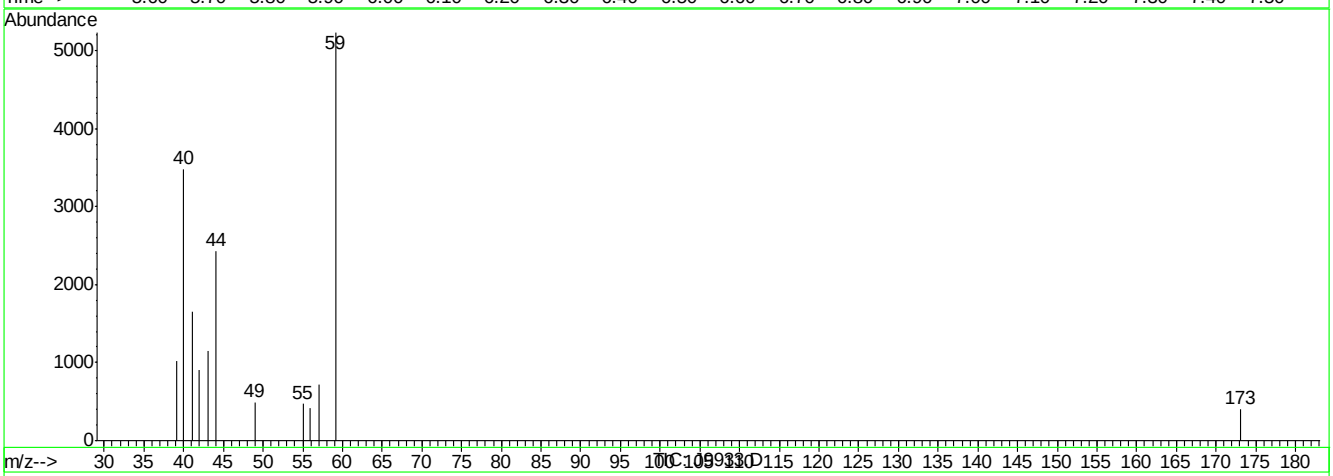
Quantitation Report (Qedit)

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

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

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





(22) TERTIARY BUTYL ALCOHOL (m)

6.59min 0.16PPBV

response 7707

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

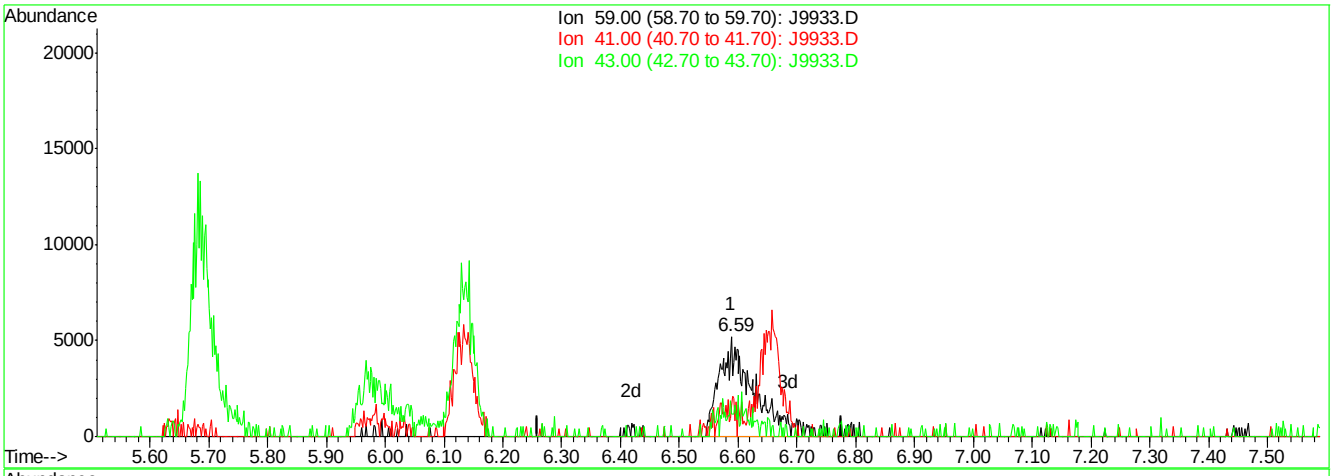
J9933.D J040407T.M Thu Apr 05 16:37:09 2007

Quantitation Report (Qedit)

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

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

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



(22) TERTIARY BUTYL ALCOHOL (m)

6.59min 0.44PPBV m

response 21097

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

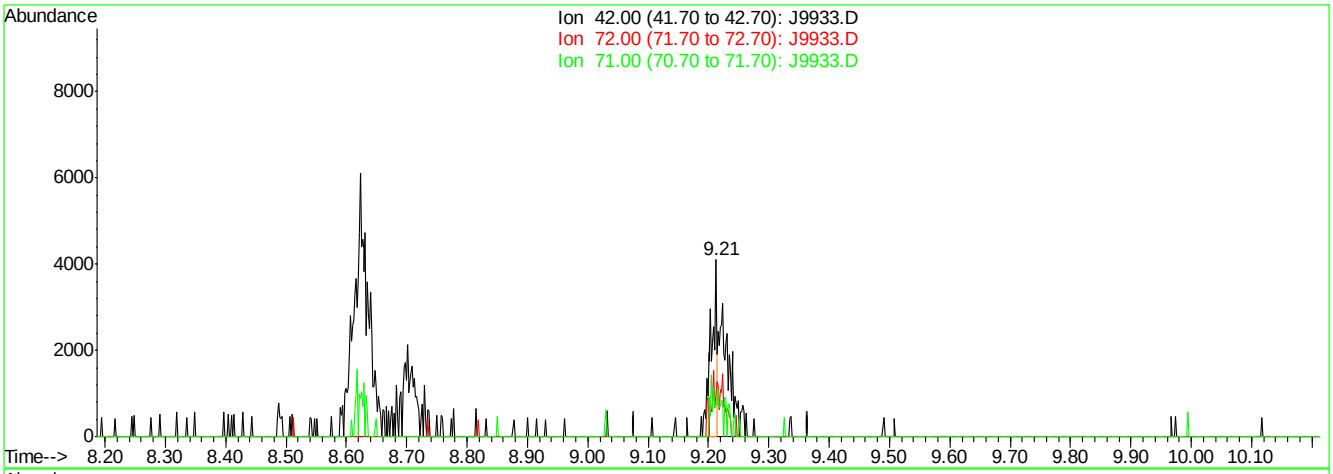
J9933.D J040407T.M Thu Apr 05 16:37:12 2007

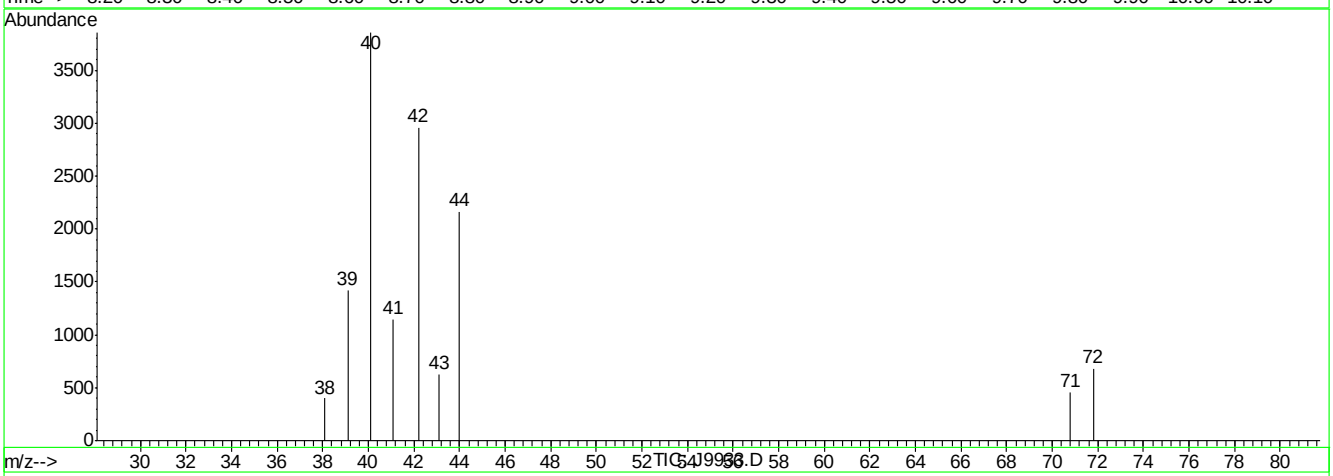
Quantitation Report (Qedit)

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

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

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





(24) TETRAHYDROFURAN (m)

9.20min 0.14PPBV

response 2703

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

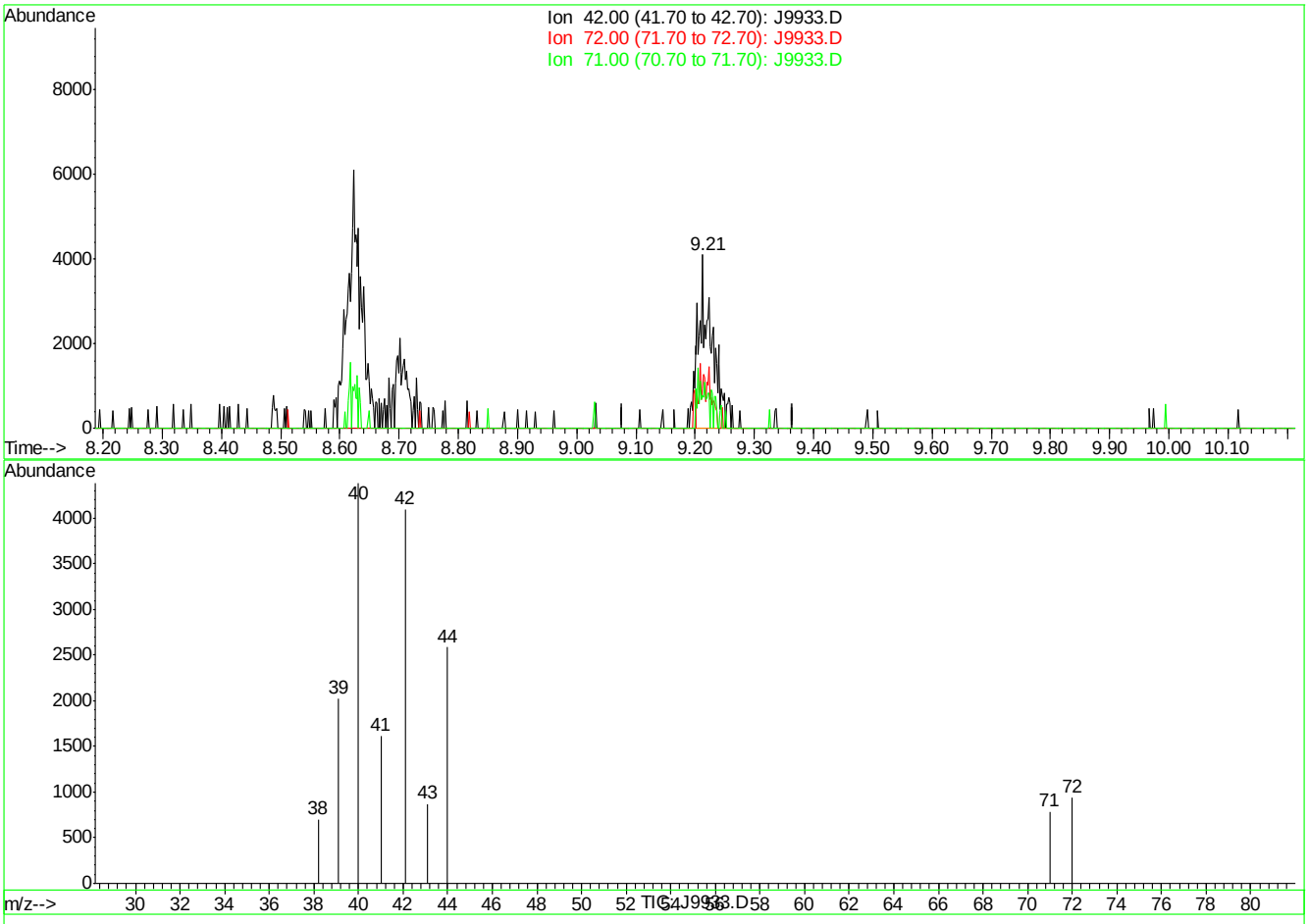
J9933.D J040407T.M Thu Apr 05 16:37:15 2007

Quantitation Report (Qedit)

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

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

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



(24) TETRAHYDROFURAN (m)

9.21min 0.35PPBV m

response 6631

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

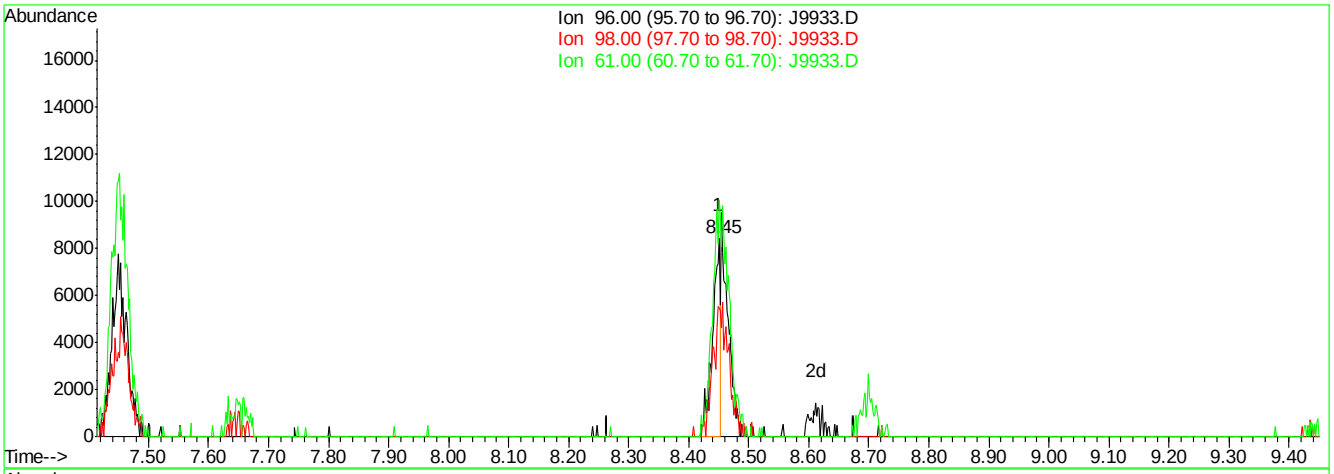
J9933.D J040407T.M Thu Apr 05 16:37:19 2007

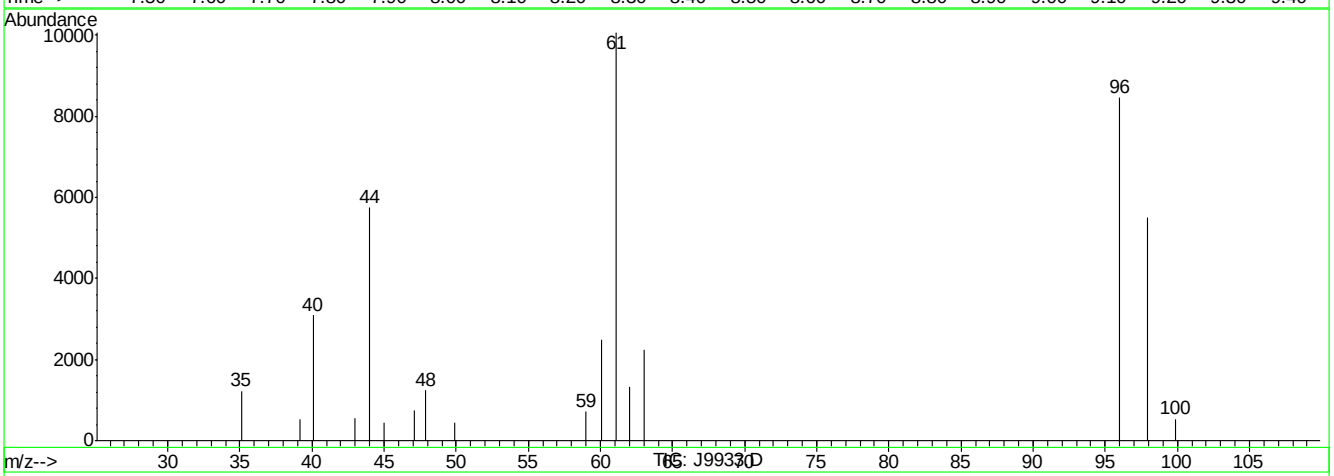
Quantitation Report (Qedit)

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

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

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





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

8.45min 0.22PPBV

response 7358

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

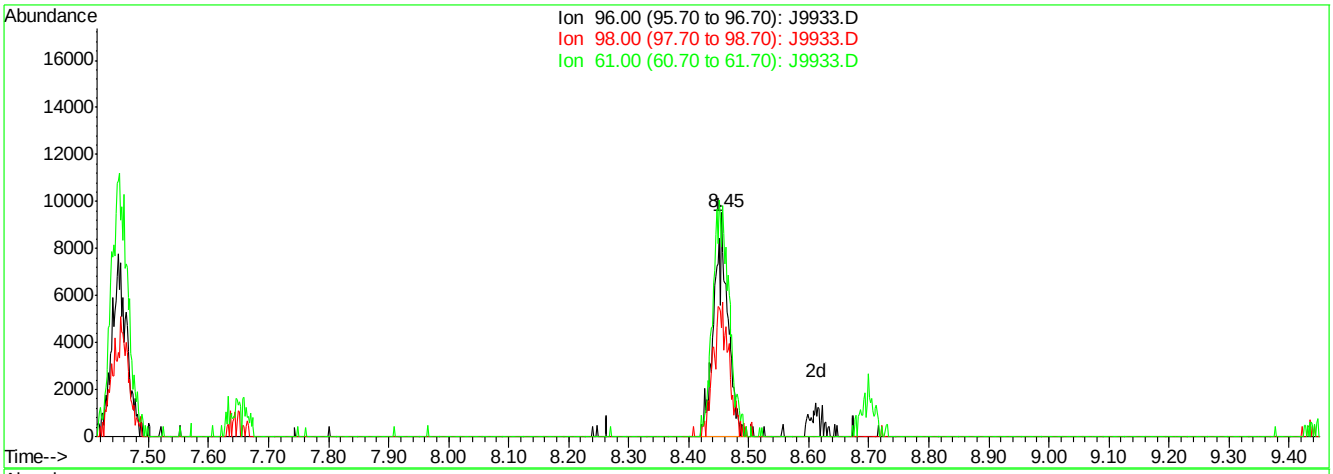
J9933.D J040407T.M Thu Apr 05 16:37:25 2007

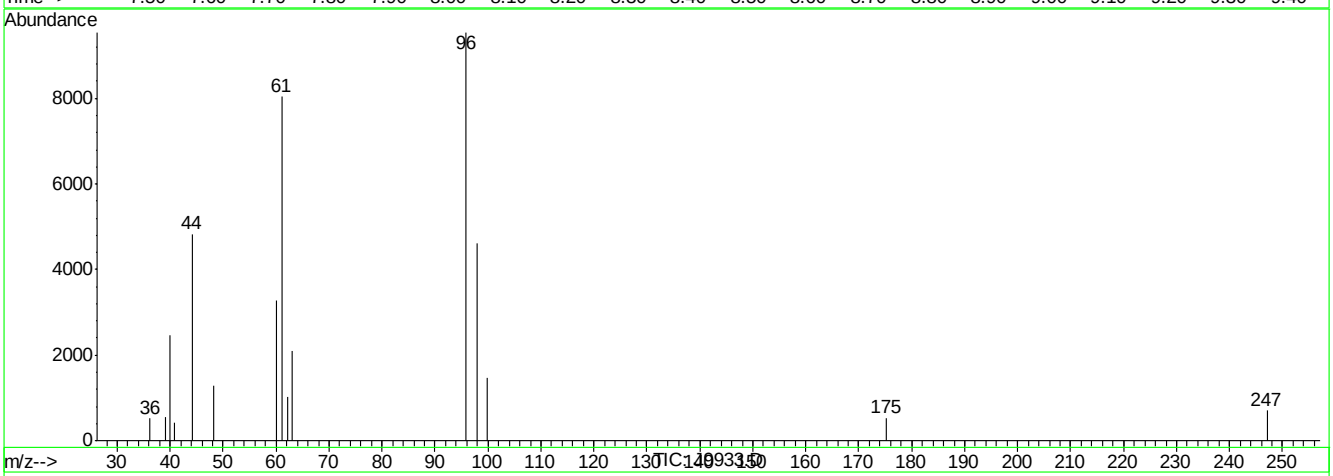
Quantitation Report (Qedit)

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

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

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





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

8.45min 0.45PPBV m

response 15353

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

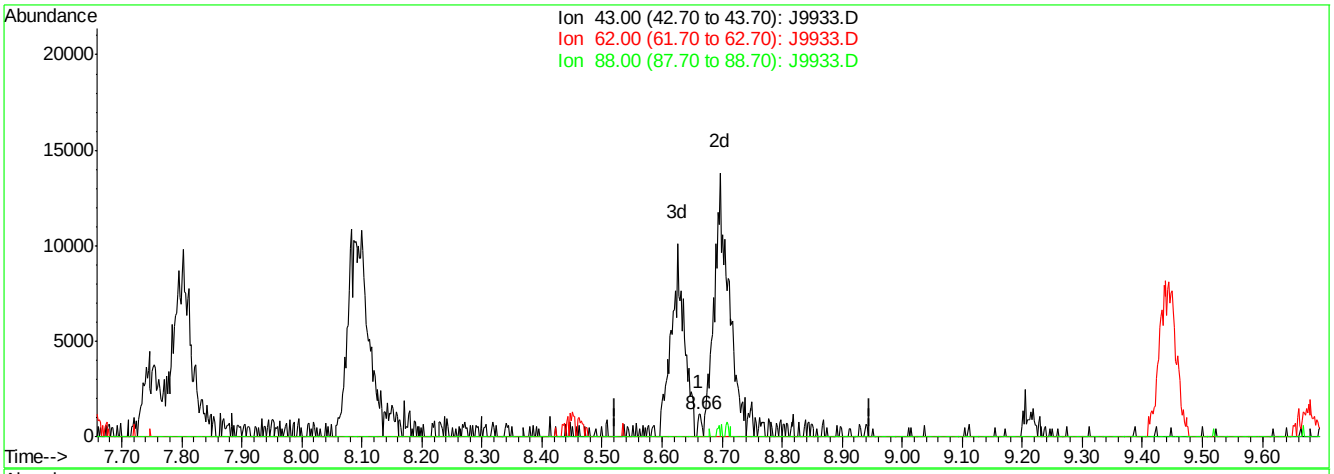
J9933.D J040407T.M Thu Apr 05 16:37:28 2007

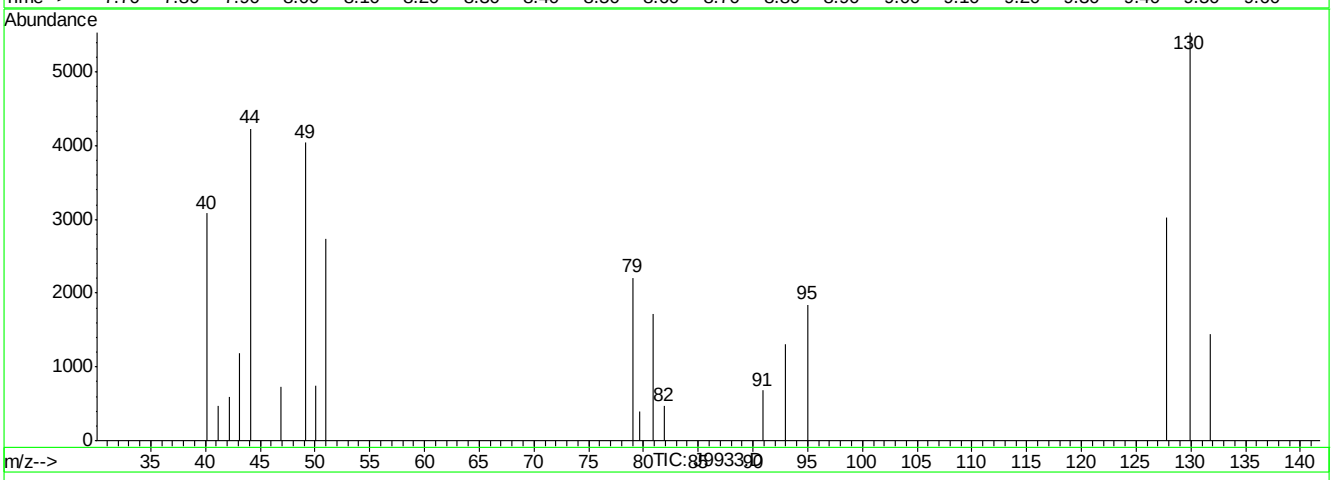
Quantitation Report (Qedit)

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

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

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





(30) ETHYL ACETATE (m)

8.66min 0.01PPBV

response 467

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

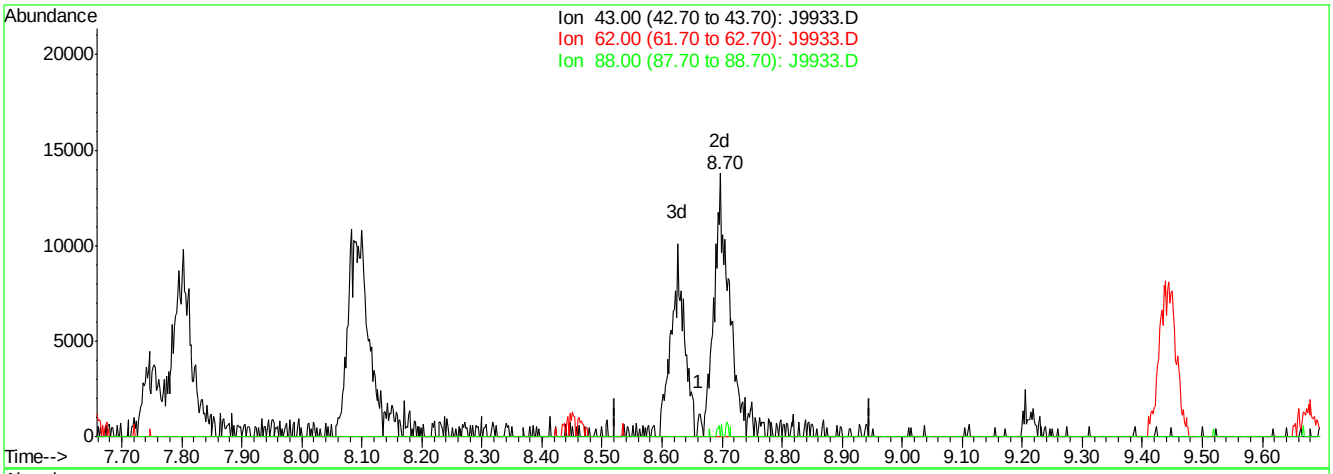
J9933.D J040407T.M Thu Apr 05 16:37:33 2007

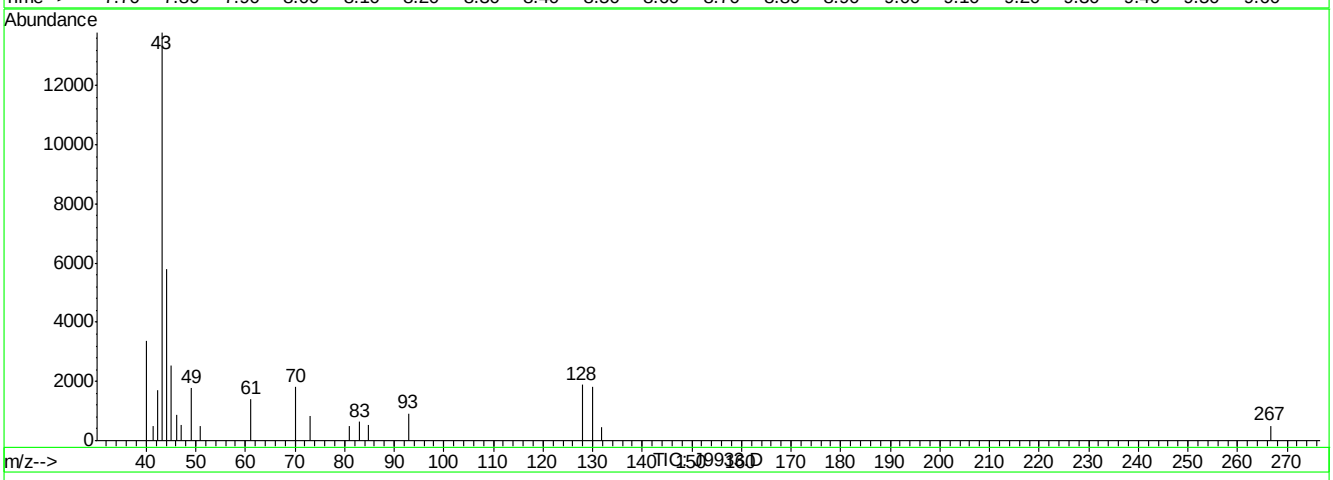
Quantitation Report (Qedit)

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

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

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





(30) ETHYL ACETATE (m)

8.70min 0.50PPBV m

response 23213

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

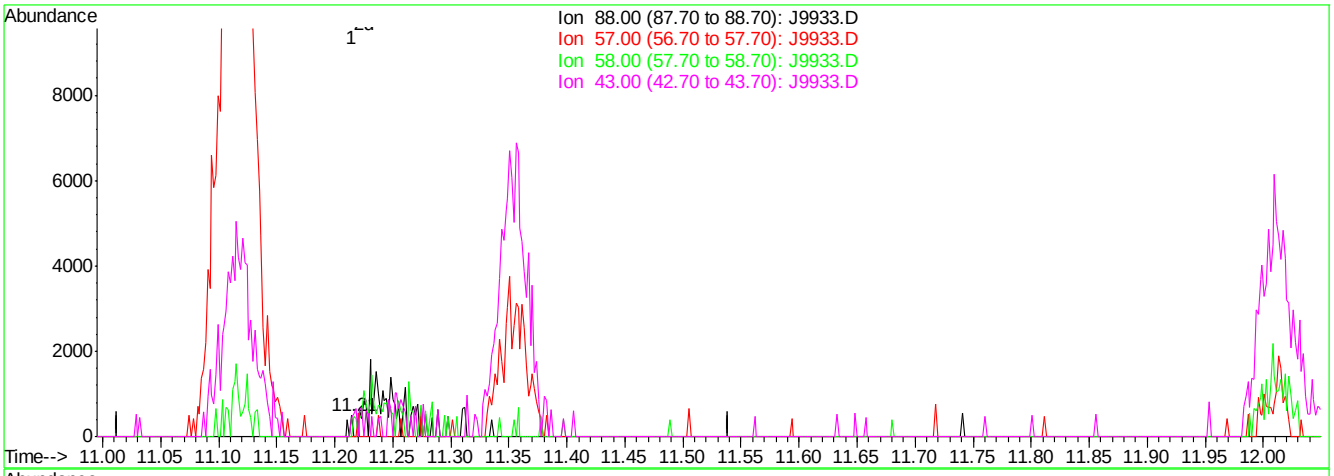
J9933.D J040407T.M Thu Apr 05 16:37:39 2007

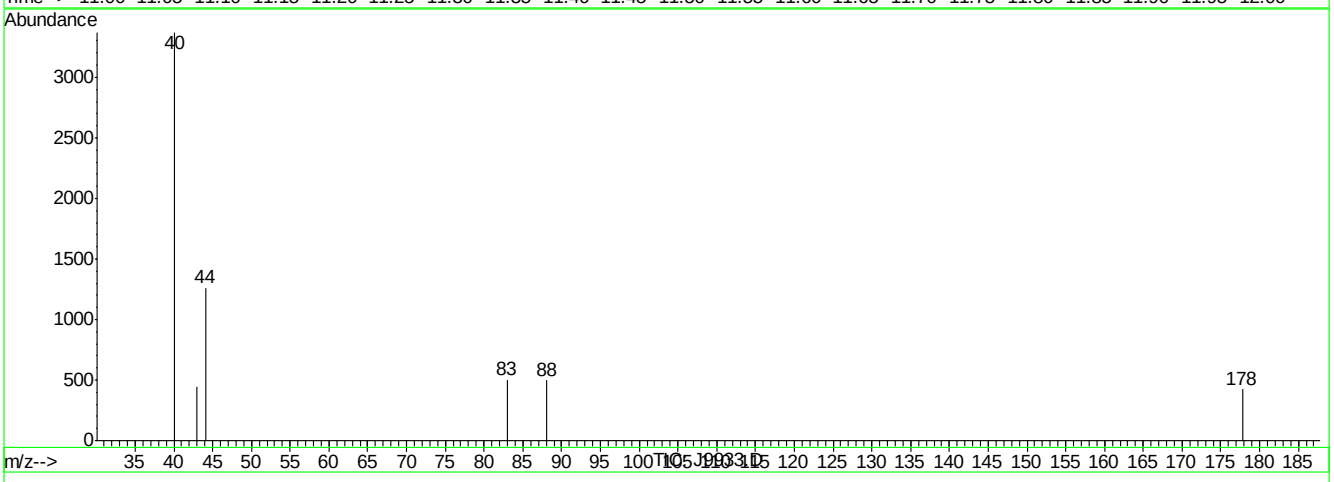
Quantitation Report (Qedit)

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

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

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





(42) 1,4-DIOXANE (m)

11.21min 0.01PPBV

response 96

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

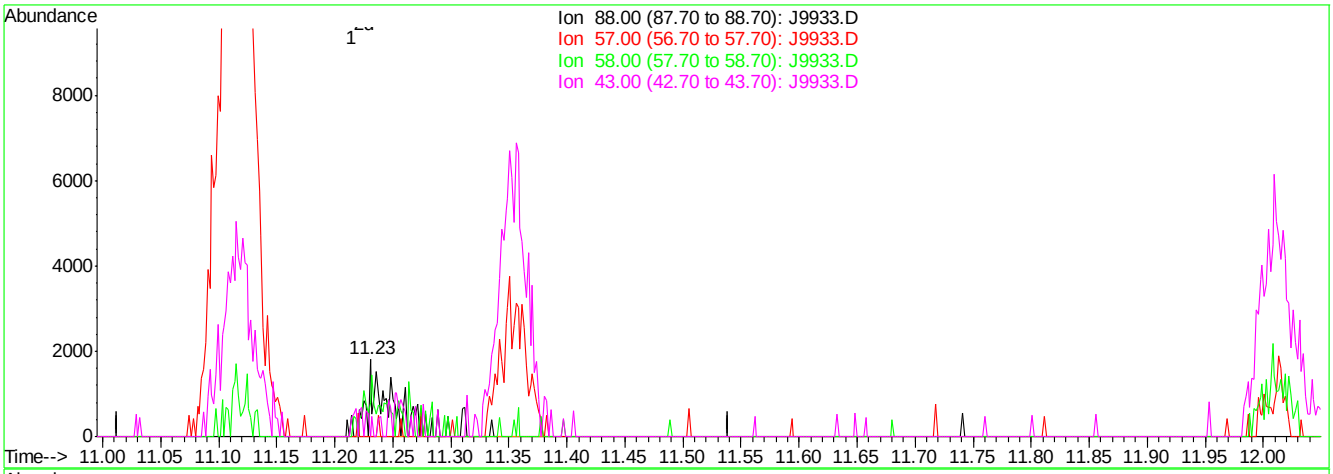
J9933.D J040407T.M Thu Apr 05 16:37:50 2007

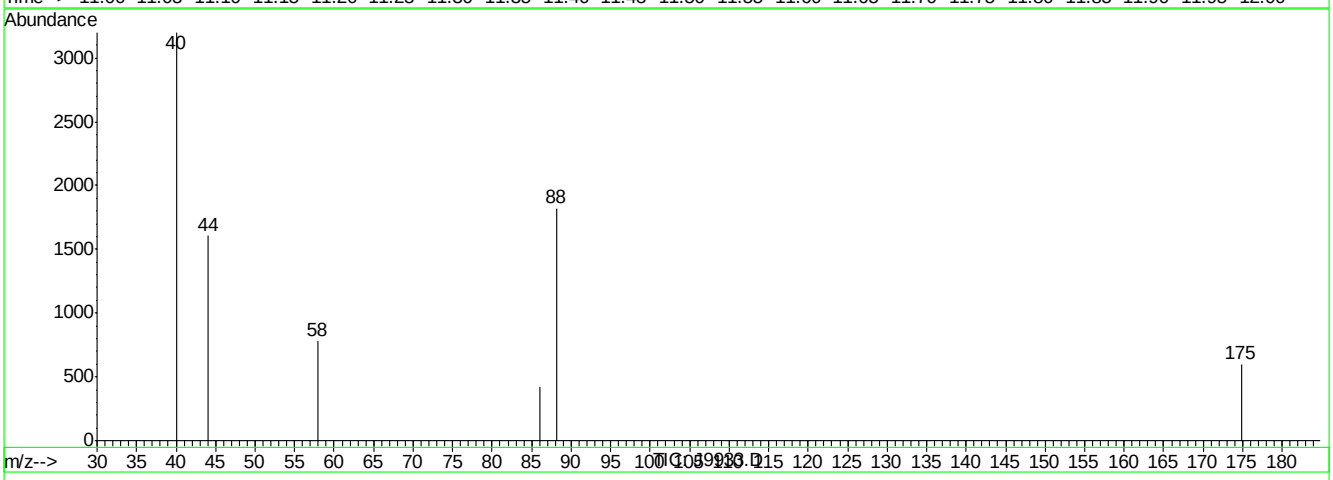
Quantitation Report (Qedit)

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

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

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





(42) 1,4-DIOXANE (m)

11.23min 0.28PPBV m

response 2735

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

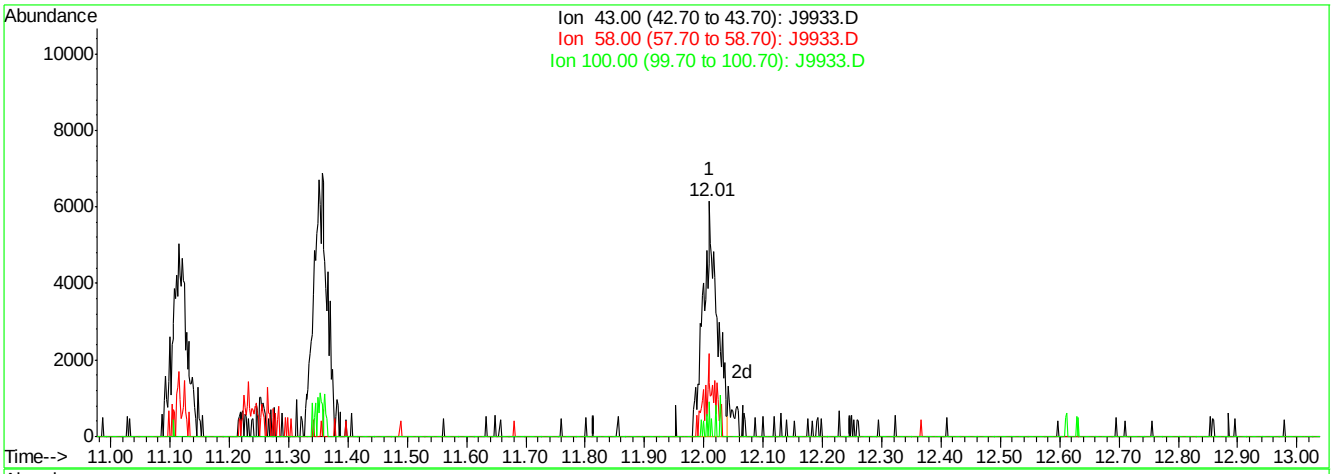
J9933.D J040407T.M Thu Apr 05 16:37:54 2007

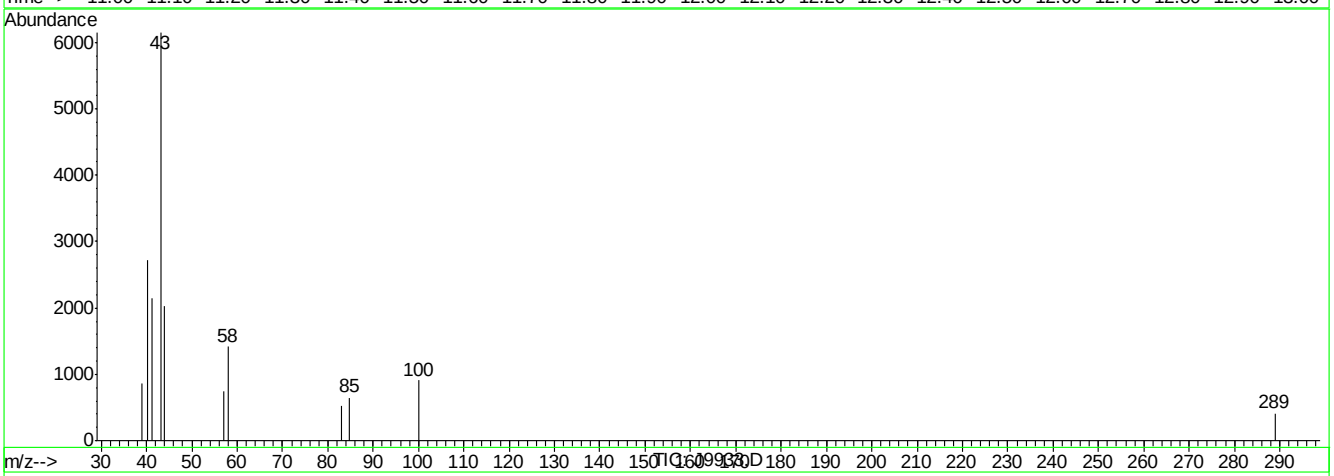
Quantitation Report (Qedit)

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

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

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





(44) METHYL ISOBUTYL KETONE (m)

12.01min 0.23PPBV

response 9847

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

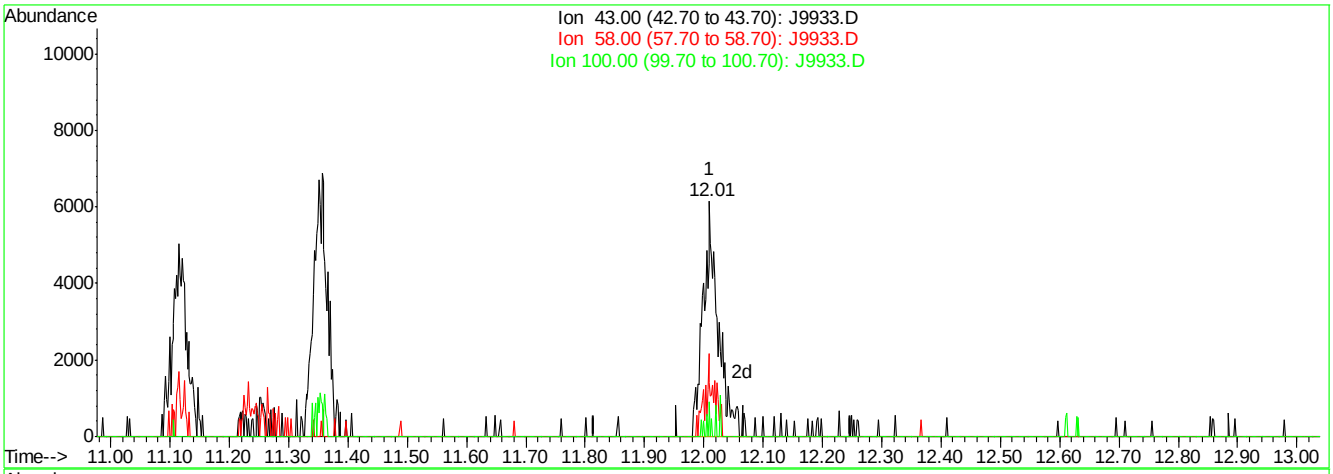
J9933.D J040407T.M Thu Apr 05 16:37:58 2007

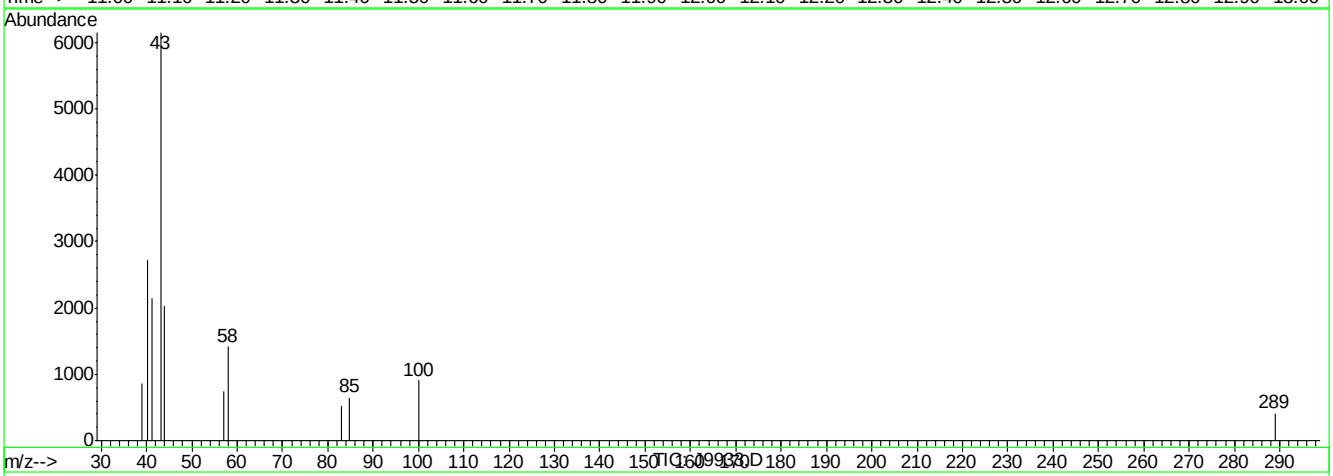
Quantitation Report (Qedit)

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

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

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





(44) METHYL ISOBUTYL KETONE (m)

12.01min 0.25PPBV m

response 10816

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

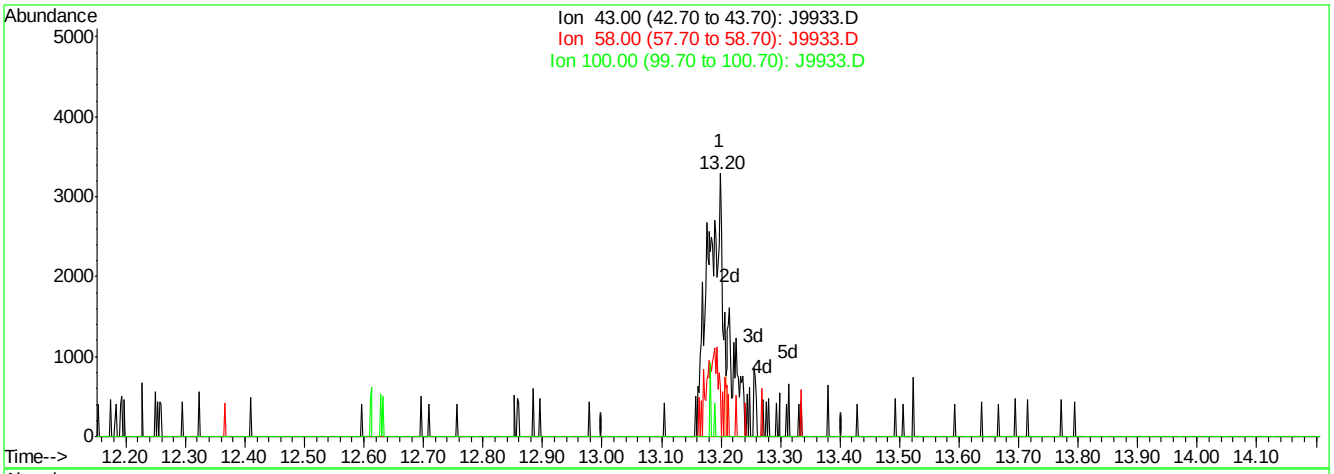
J9933.D J040407T.M Thu Apr 05 16:38:03 2007

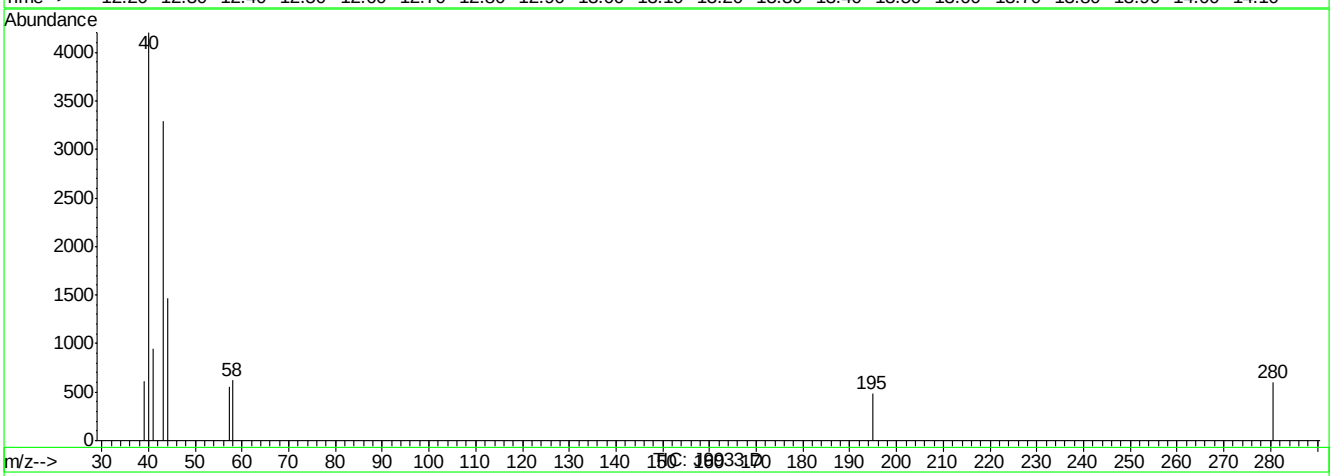
Quantitation Report (Qedit)

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

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

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





(50) 2-HEXANONE (m)

13.20min 0.17PPBV

response 5485

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

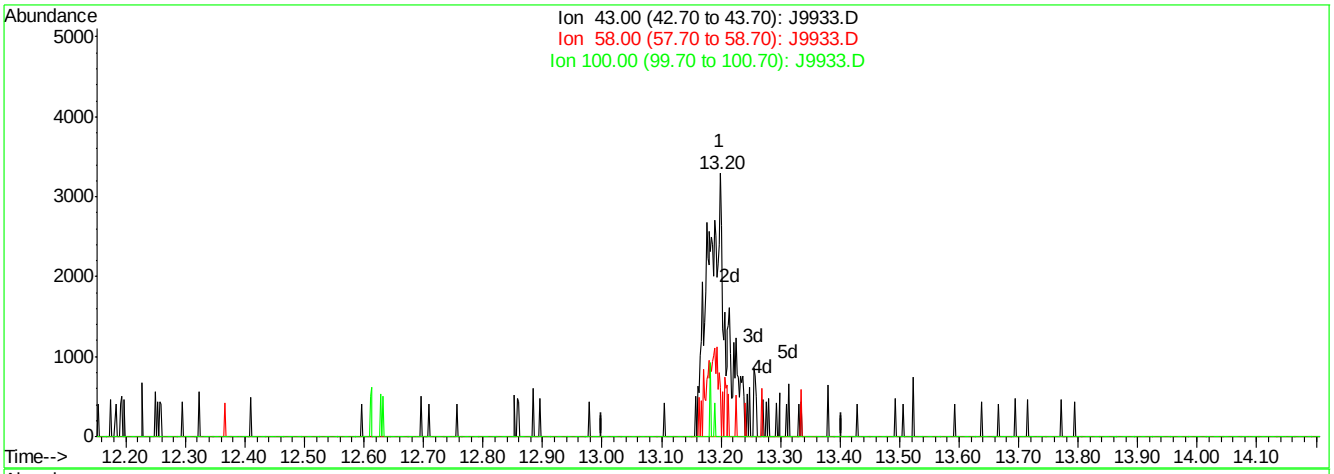
J9933.D J040407T.M Thu Apr 05 16:38:10 2007

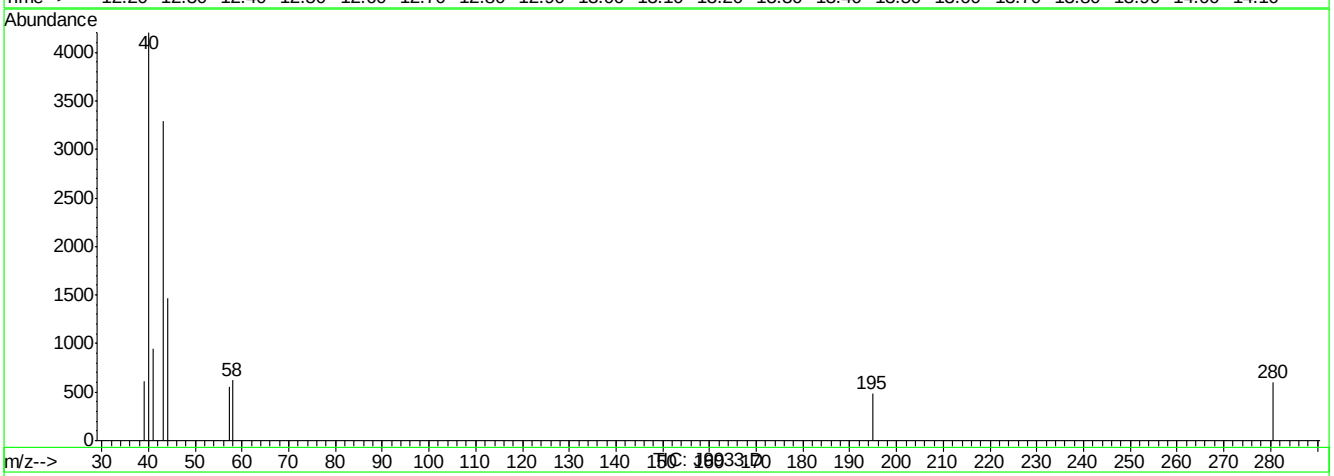
Quantitation Report (Qedit)

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

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

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





(50) 2-HEXANONE (m)

13.20min 0.25PPBV m

response 7928

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

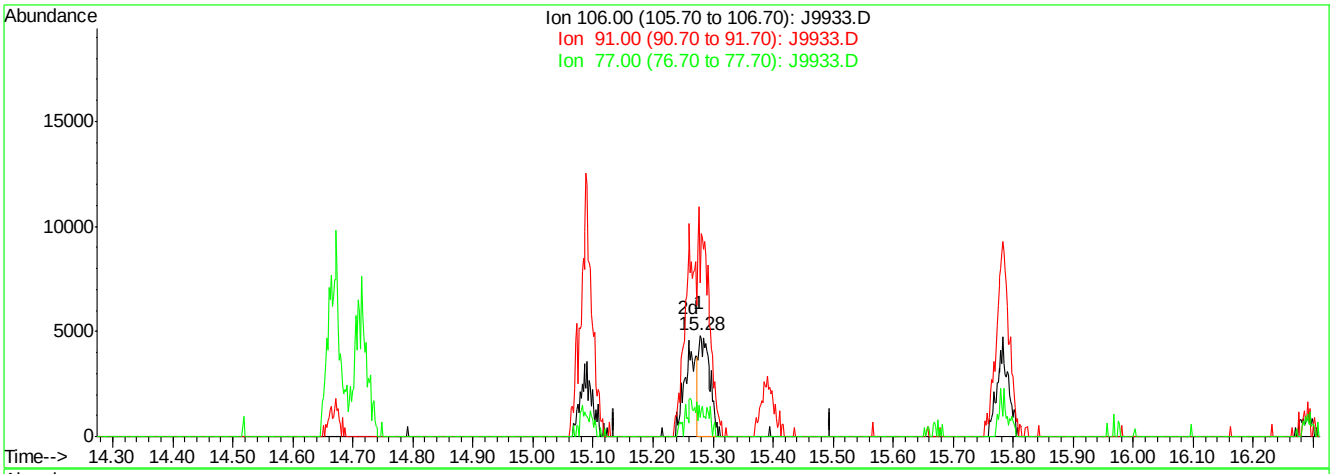
J9933.D J040407T.M Thu Apr 05 16:38:13 2007

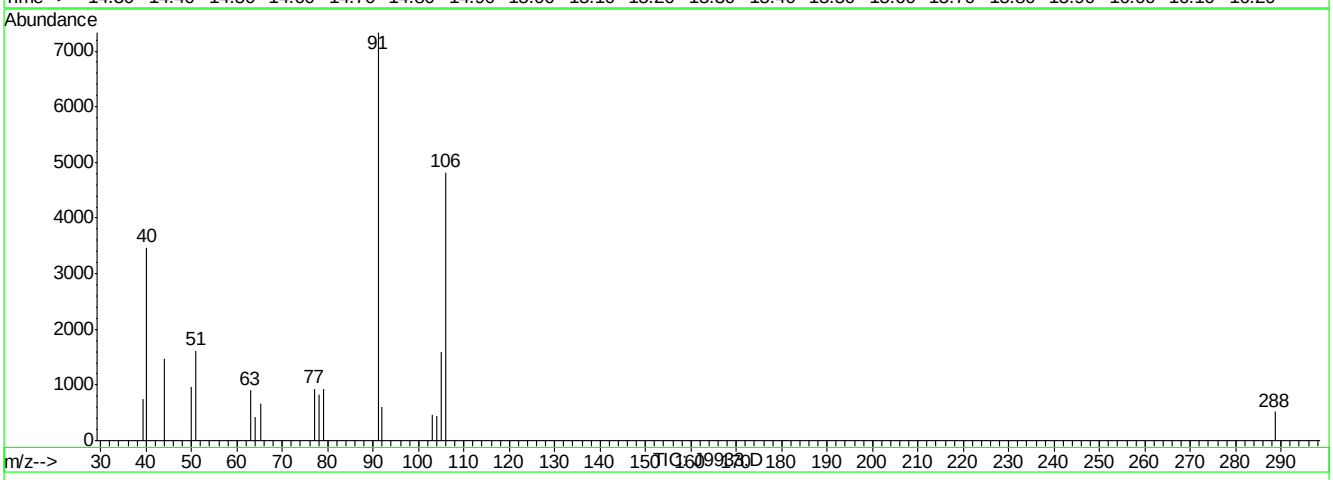
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.28min 0.19PPBV

response 6299

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

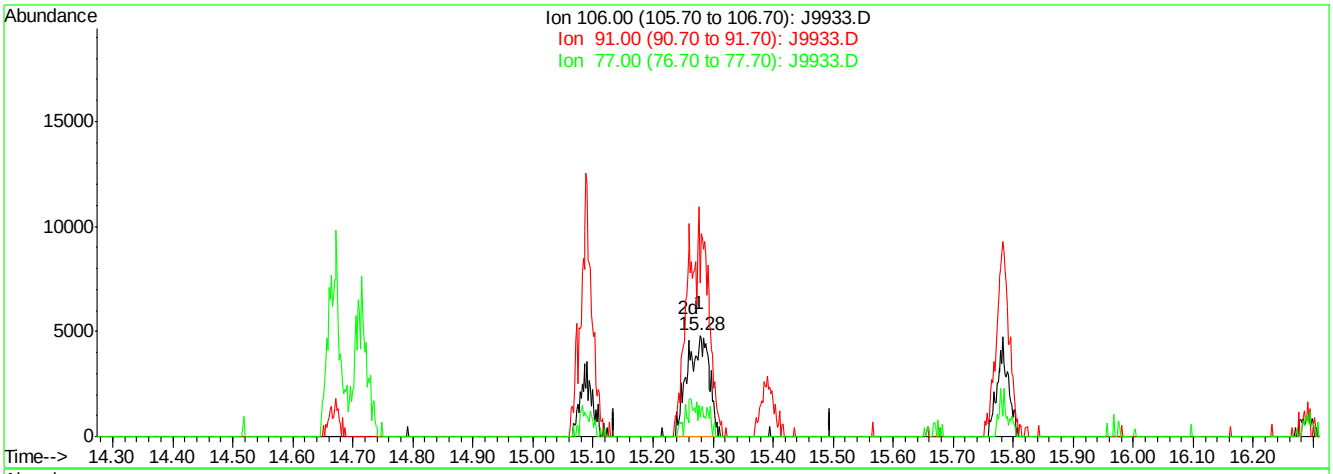
J9933.D J040407T.M Thu Apr 05 16:38:18 2007

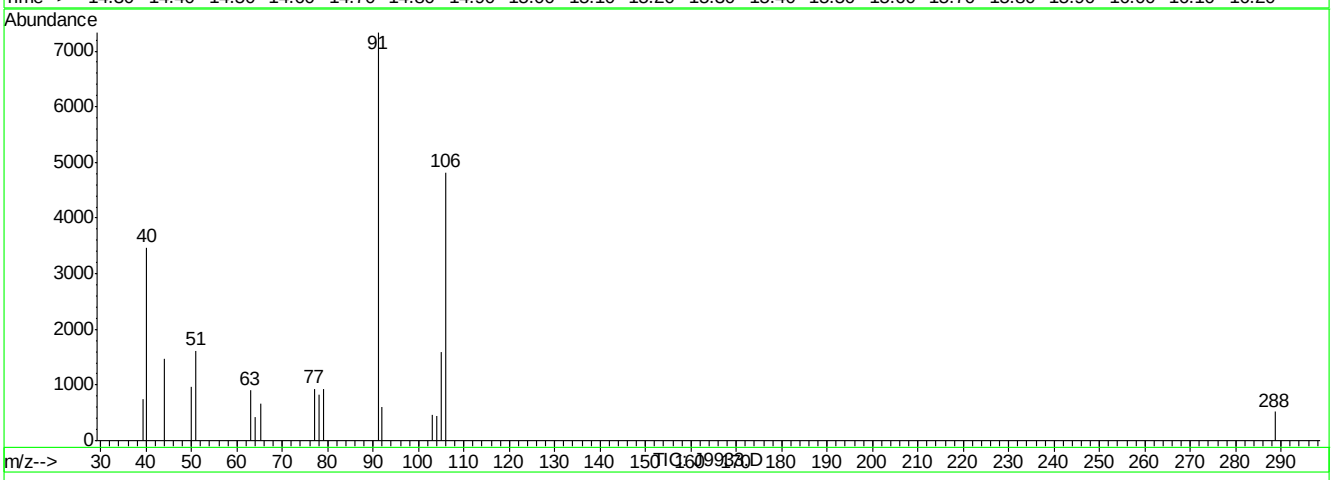
Quantitation Report (Qedit)

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

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

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





(56) m,p-XYLENE (m)

15.28min 0.38PPBV m

response 12227

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

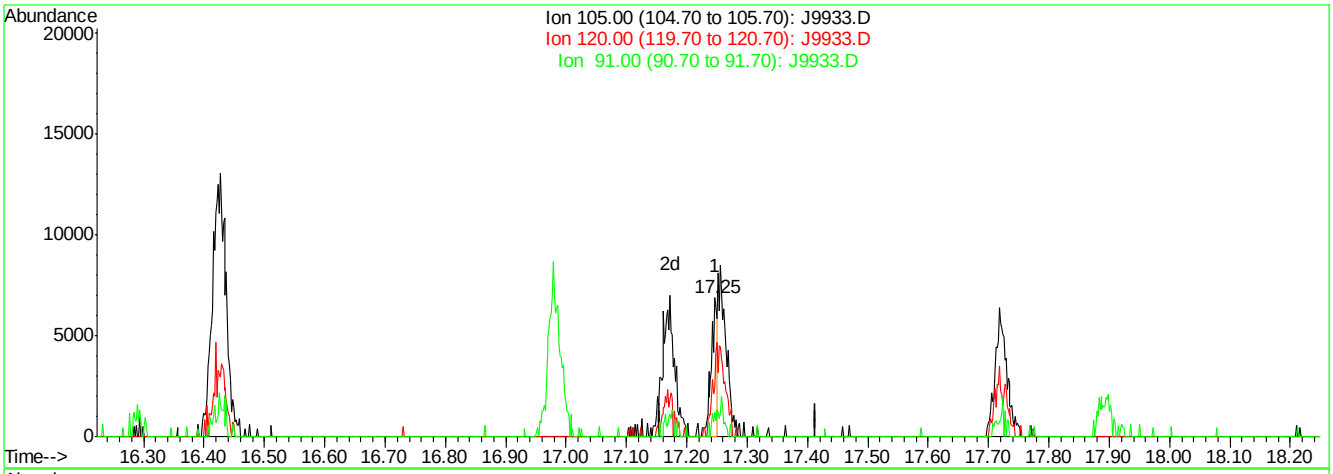
J9933.D J040407T.M Thu Apr 05 16:38:21 2007

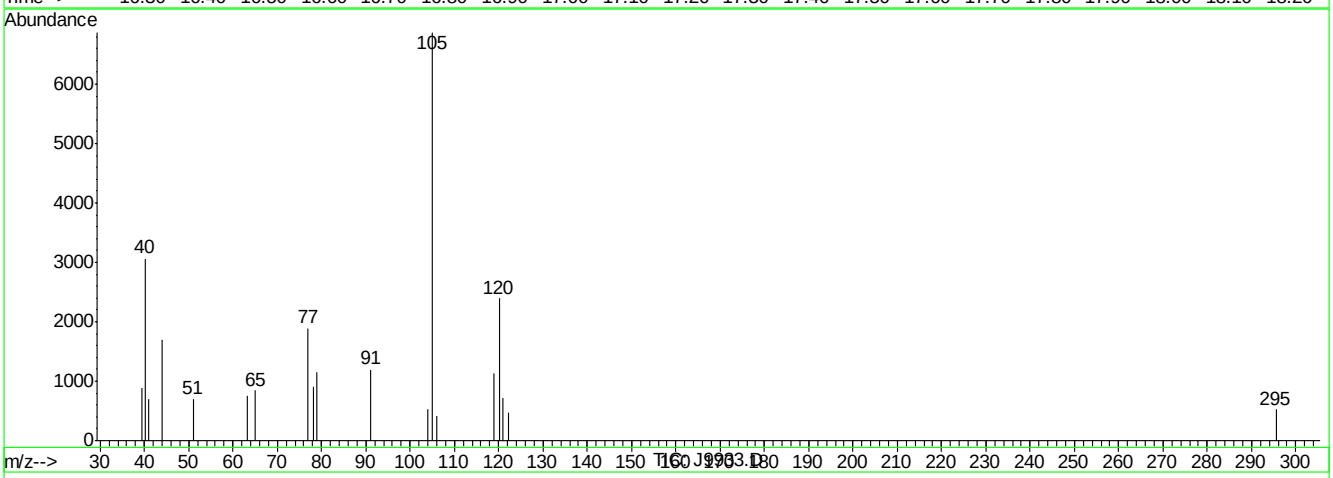
Quantitation Report (Qedit)

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

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

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





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

17.25min 0.05PPBV

response 4678

Ion	Exp%	Act%
105.00	100	100
120.00	48.40	134.31#
91.00	11.20	19.65
0.00	0.00	0.00

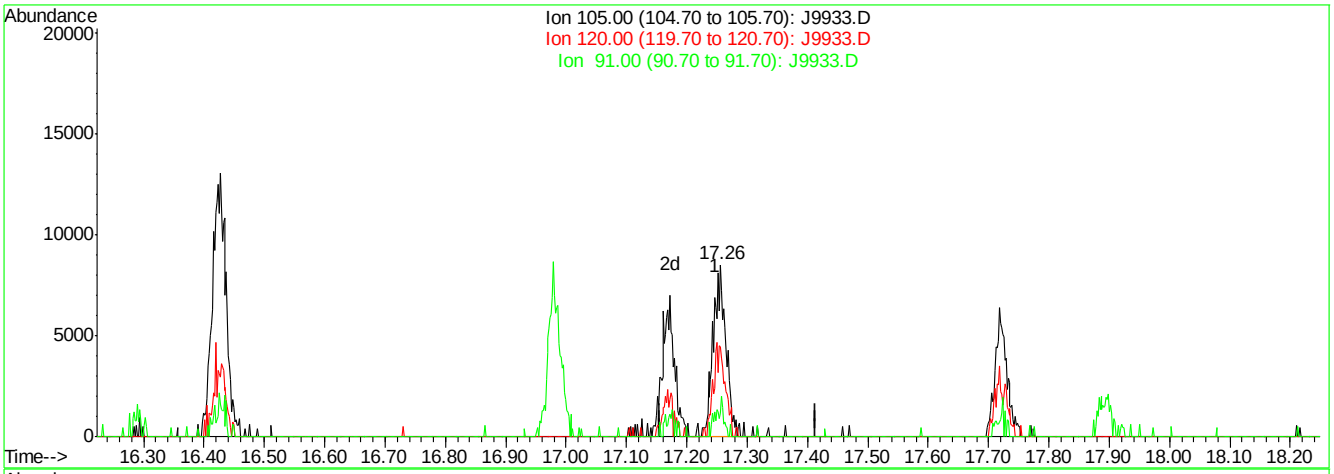
J9933.D J040407T.M Thu Apr 05 16:38:28 2007

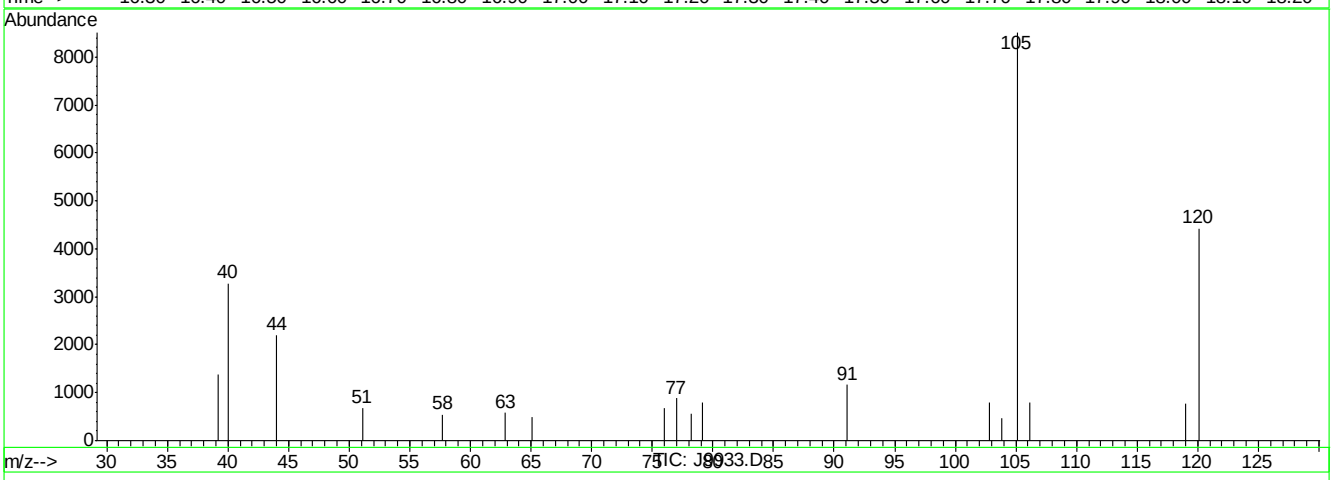
Quantitation Report (Qedit)

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

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

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





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

17.26min 0.14PPBV m

response 12547

Ion	Exp%	Act%
105.00	100	100
120.00	48.40	50.08
91.00	11.20	7.32
0.00	0.00	0.00

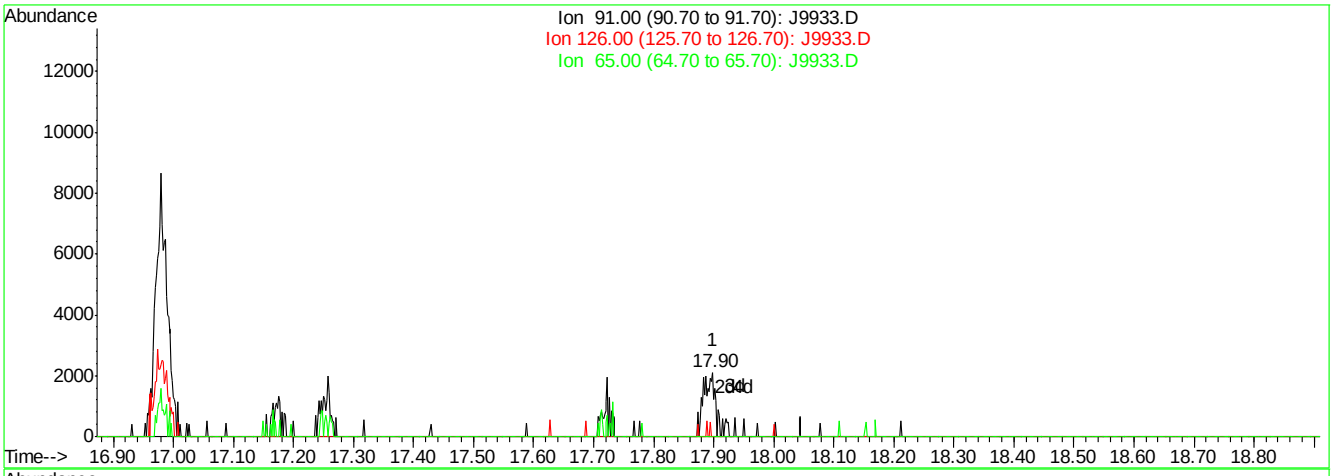
J9933.D J040407T.M Thu Apr 05 16:38:33 2007

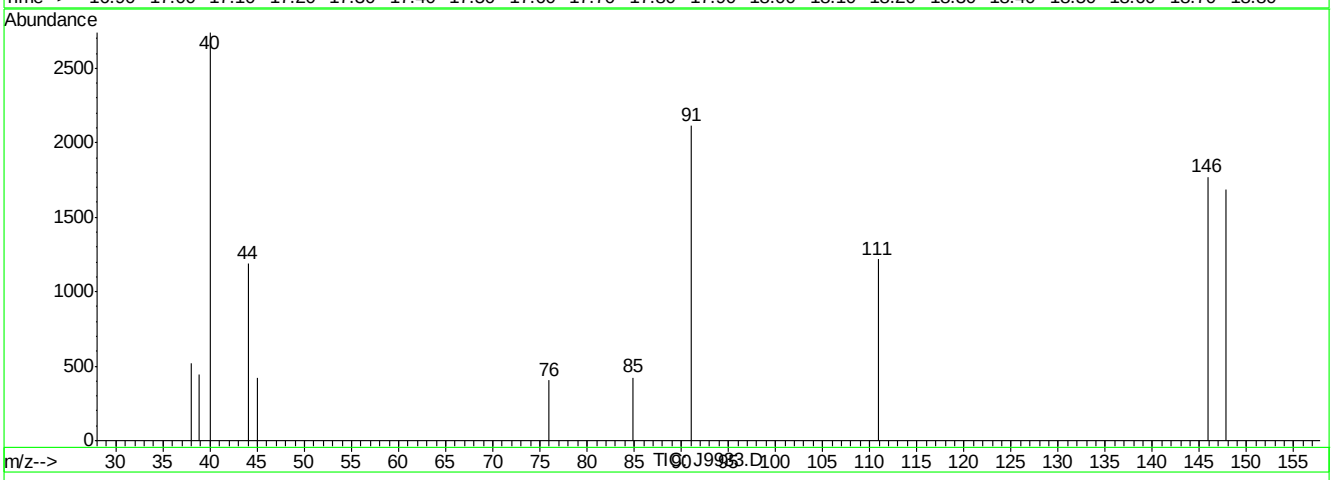
Quantitation Report (Qedit)

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

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

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





(69) BENZYL CHLORIDE (m)

17.90min 0.07PPBV

response 2789

Ion	Exp%	Act%
91.00	100	100
126.00	19.50	0.00
65.00	11.80	0.00
0.00	0.00	0.00

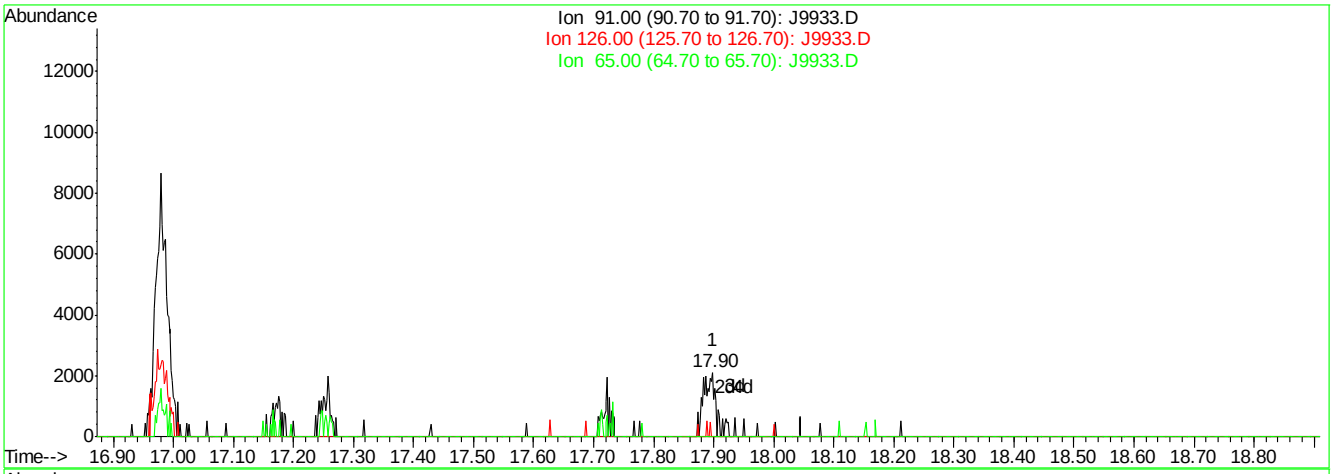
J9933.D J040407T.M Thu Apr 05 16:38:38 2007

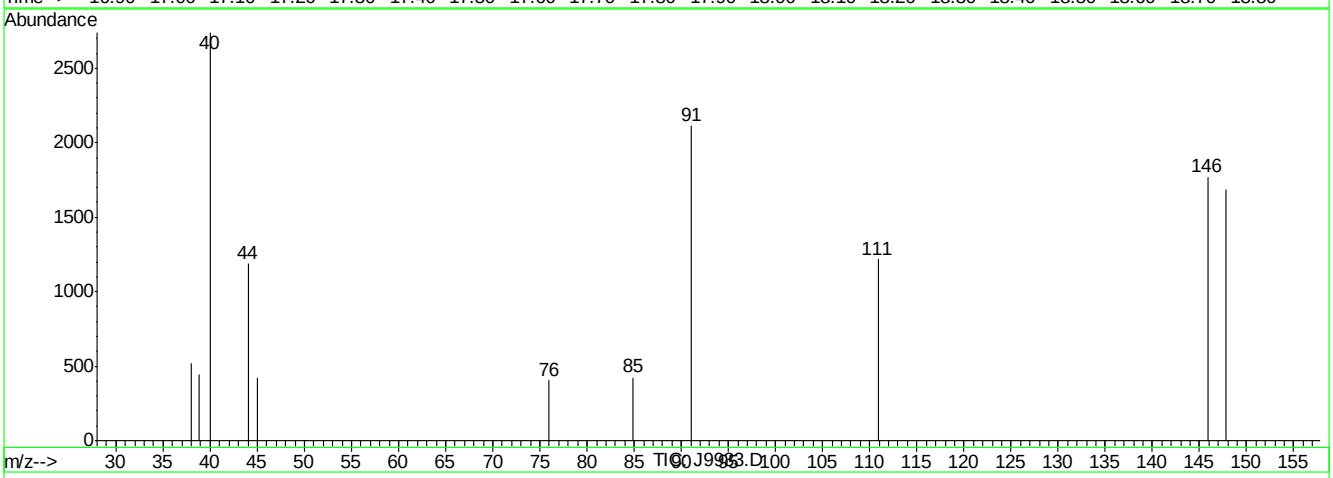
Quantitation Report (Qedit)

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

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

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





(69) BENZYL CHLORIDE (m)

17.90min 0.08PPBV m

response 3230

Ion	Exp%	Act%
91.00	100	100
126.00	19.50	0.00
65.00	11.80	0.00
0.00	0.00	0.00

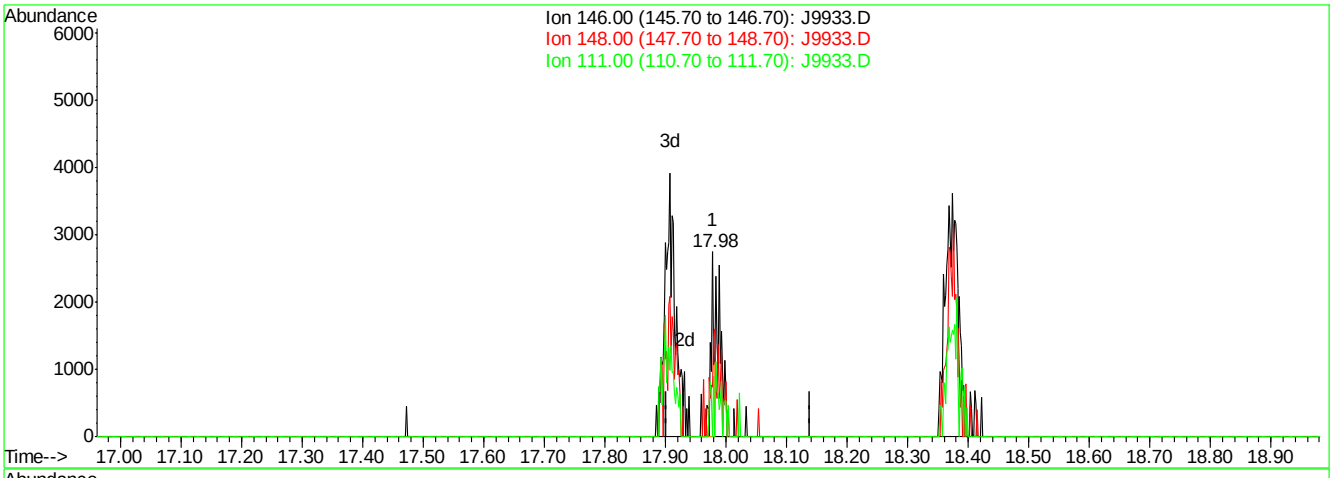
J9933.D J040407T.M Thu Apr 05 16:38:41 2007

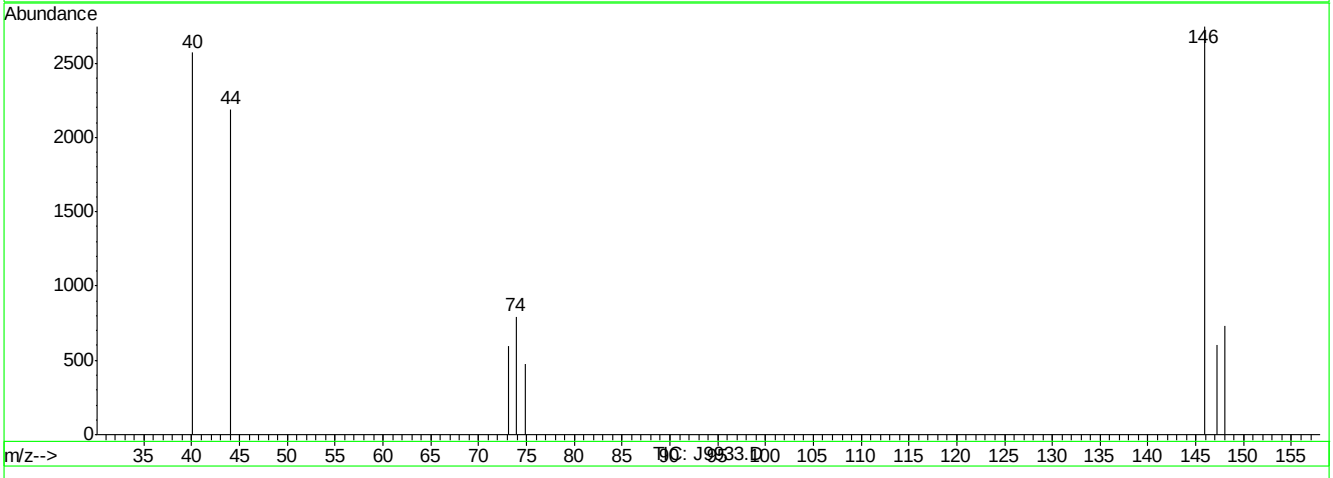
Quantitation Report (Qedit)

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

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

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





(70) p-DICHLOROBENZENE (m)

17.98min 0.02PPBV

response 915

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	118.47#
111.00	36.70	37.92
0.00	0.00	0.00

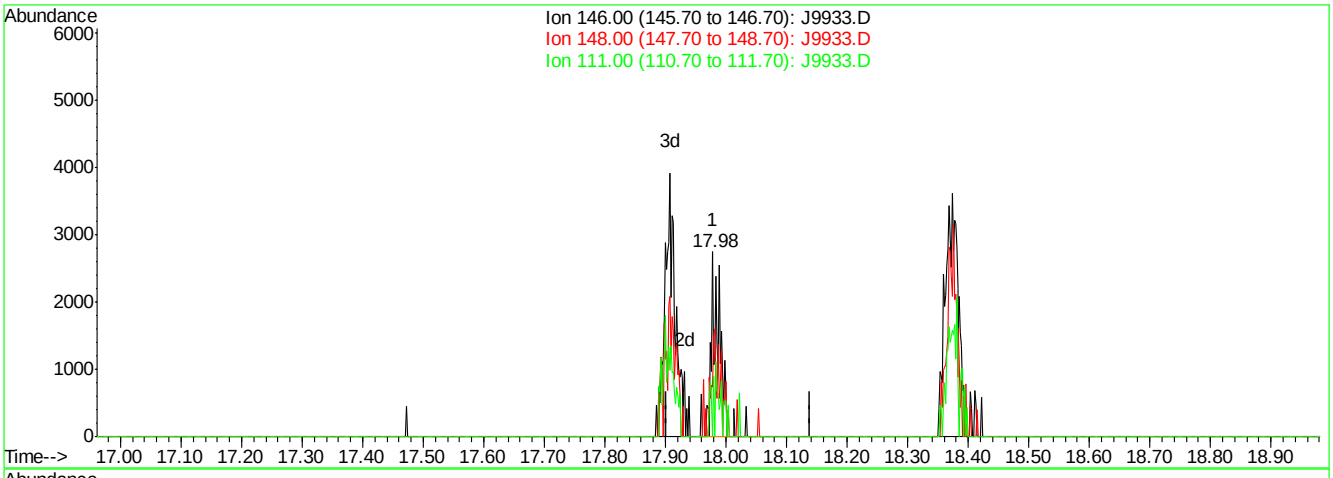
J9933.D J040407T.M Thu Apr 05 16:38:44 2007

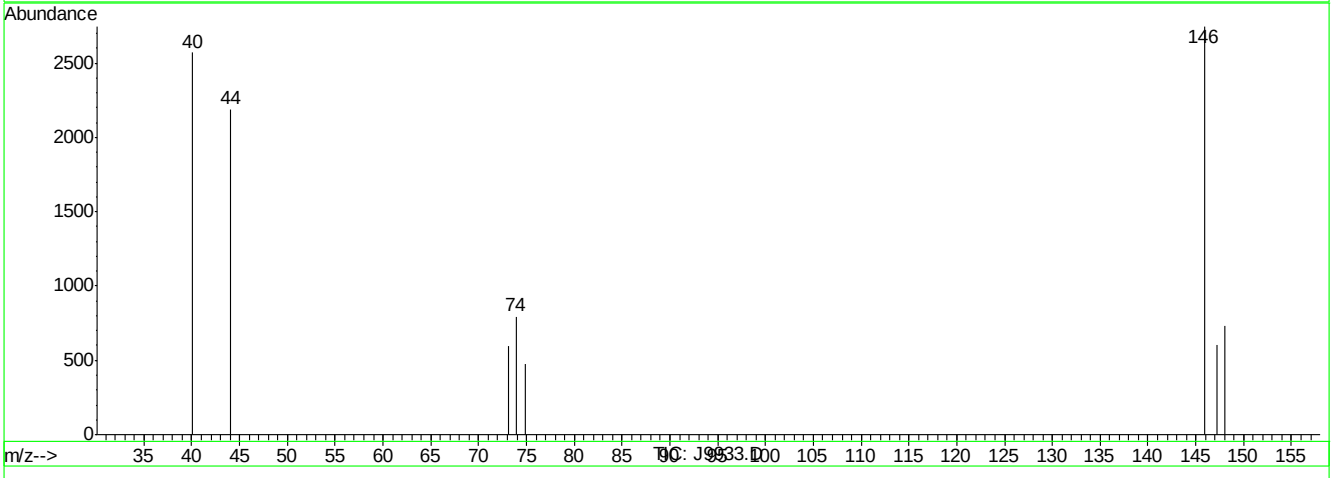
Quantitation Report (Qedit)

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

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

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





(70) p-DICHLOROBENZENE (m)

17.98min 0.06PPBV m

response 2474

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	43.82
111.00	36.70	14.03#
0.00	0.00	0.00

J9933.D J040407T.M Thu Apr 05 16:38:48 2007

J9934.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 04/06/07 12:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9934.D
Acq On : 5 Apr 2007 4:45 pm
Operator : PhilipB
Sample : IC513-.2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 17:16:17 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 16:39:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	491064	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1207102	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	937074	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	207530	3.54	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 70.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	20364	0.18	PPBV	97
3) PROPYLENE	3.98	41	3061m	0.17	PPBV	
4) FREON 114	4.32	85	17197	0.18	PPBV #	58
5) CHLOROMETHANE	4.23	50	5217m	0.21	PPBV	
6) VINYL CHLORIDE	4.44	62	4433m	0.16	PPBV	
7) 1,3-BUTADIENE	4.57	39	3028m	0.13	PPBV	
8) BROMOMETHANE	4.85	94	5335m	0.18	PPBV	
9) CHLOROETHANE	5.02	64	2235	0.18	PPBV #	51
10) TRICHLOROFLUOROMETHANE	5.79	101	23757m	0.20	PPBV	
11) ISOPROPYL ALCOHOL	5.99	45	10815m	0.23	PPBV	
12) ACETONE	5.69	43	12214	0.25	PPBV	72
13) PENTANE	6.13	42	6119m	0.23	PPBV	
14) 1,1-DICHLOROETHYLENE	6.42	96	4590m	0.16	PPBV	
15) CARBON DISULFIDE	6.84	76	17223	0.19	PPBV	75
16) ETHANOL	5.25	45	2212m	0.24	PPBV	
17) BROMOETHENE	5.37	106	4140	0.15	PPBV #	45
18) METHYLENE CHLORIDE	6.54	84	9565	0.29	PPBV	90
19) 3-CHLOROPROPENE	6.66	39	5214m	0.19	PPBV	
20) FREON 113	6.77	151	11296	0.17	PPBV #	76
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	5026	0.16	PPBV #	47
22) TERTIARY BUTYL ALCOHOL	6.61	59	6533m	0.13	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.75	73	9123	0.13	PPBV	90
24) TETRAHYDROFURAN	9.23	42	1944m	0.10	PPBV	
25) HEXANE	8.63	57	9522	0.24	PPBV #	81
26) VINYL ACETATE	7.81	43	6548m	0.15	PPBV	
27) 1,1-DICHLOROETHANE	7.65	63	10172	0.17	PPBV	91
28) METHYL ETHYL KETONE	8.10	43	8536	0.17	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.45	96	5623	0.16	PPBV #	62
30) ETHYL ACETATE	8.70	43	9738	0.20	PPBV #	93
31) CHLOROFORM	8.73	83	17489	0.18	PPBV #	67
32) 1,1,1-TRICHLOROETHANE	9.67	97	12334	0.16	PPBV	92
33) CARBON TETRACHLORIDE	10.25	117	15872	0.17	PPBV	95
34) 1,2-DICHLOROETHANE	9.44	62	6151	0.16	PPBV	93
36) BENZENE	10.12	78	7430	0.13	PPBV #	66
37) CYCLOHEXANE	10.35	84	2606m	0.10	PPBV	
38) TRICHLOROETHYLENE	11.10	95	3379	0.10	PPBV #	64
39) 1,2-DICHLOROPROPANE	10.88	63	3217	0.16	PPBV	88
40) BROMODICHLOROMETHANE	11.08	83	9237	0.14	PPBV #	56
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	10473	0.10	PPBV	78
43) HEPTANE	11.35	43	3471	0.10	PPBV #	73
44) METHYL ISOBUTYL KETONE	12.02	43	3009m	0.07	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9934.D
Acq On : 5 Apr 2007 4:45 pm
Operator : PhilipB
Sample : IC513-.2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 17:16:17 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 16:39:03 2007
Response via : Initial Calibration

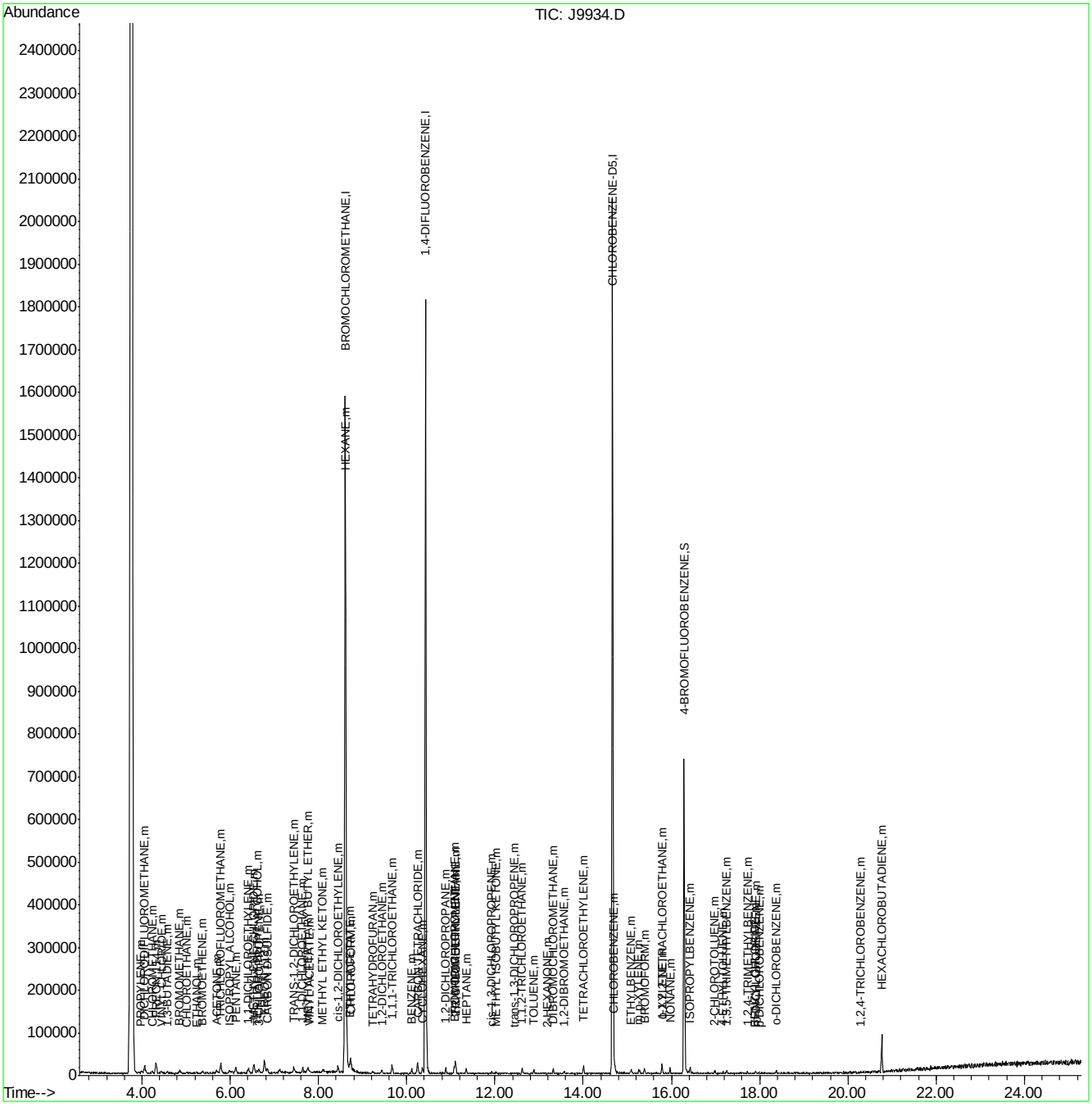
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.93	75	2014	0.07	PPBV		85
46) TOLUENE	12.88	92	3597	0.10	PPBV		87
47) trans-1,3-DICHLOROPROPENE	12.43	75	772	0.04	PPBV	#	70
48) 1,1,2-TRICHLOROETHANE	12.61	83	3072	0.14	PPBV		84
50) 2-HEXANONE	13.20	43	2357m	0.07	PPBV		
51) TETRACHLOROETHYLENE	14.02	164	3094	0.11	PPBV		91
52) DIBROMOCHLOROMETHANE	13.31	129	6684	0.12	PPBV		93
53) 1,2-DIBROMOETHANE	13.56	107	2894	0.09	PPBV	#	95
54) CHLOROBENZENE	14.71	112	5414	0.11	PPBV		97
55) ETHYLBENZENE	15.09	91	5385	0.07	PPBV		85
56) m,p-XYLENE	15.26	106	3217m	0.10	PPBV		
57) o-XYLENE	15.78	106	1881	0.05	PPBV	#	1
59) NONANE	15.97	43	3056	0.06	PPBV	#	66
60) BROMOFORM	15.39	173	4621	0.09	PPBV	#	97
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	6955	0.11	PPBV	#	56
63) ISOPROPYLBENZENE	16.42	105	6094	0.06	PPBV	#	72
64) 2-CHLOROTOLUENE	16.98	91	3749	0.05	PPBV	#	52
65) 4-ETHYLTOLUENE	17.17	105	2702m	0.03	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	3734	0.04	PPBV		80
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	2690m	0.03	PPBV		
68) m-DICHLOROBENZENE	17.90	146	1200	0.02	PPBV	#	69
69) BENZYL CHLORIDE	17.89	91	928	0.02	PPBV	#	62
70) p-DICHLOROBENZENE	17.98	146	673m	0.02	PPBV		
71) o-DICHLOROBENZENE	18.37	146	1984m	0.04	PPBV		
72) HEXACHLOROBUTADIENE	20.77	225	9165	0.19	PPBV		94
73) 1,2,4-TRICHLOROBENZENE	20.28	180	606	0.06	PPBV	#	31

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9934.D
Acq On : 5 Apr 2007 4:45 pm
Operator : PhilipB
Sample : IC513-.2 (M024)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 17:16:17 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 16:39:03 2007
Response via : Initial Calibration



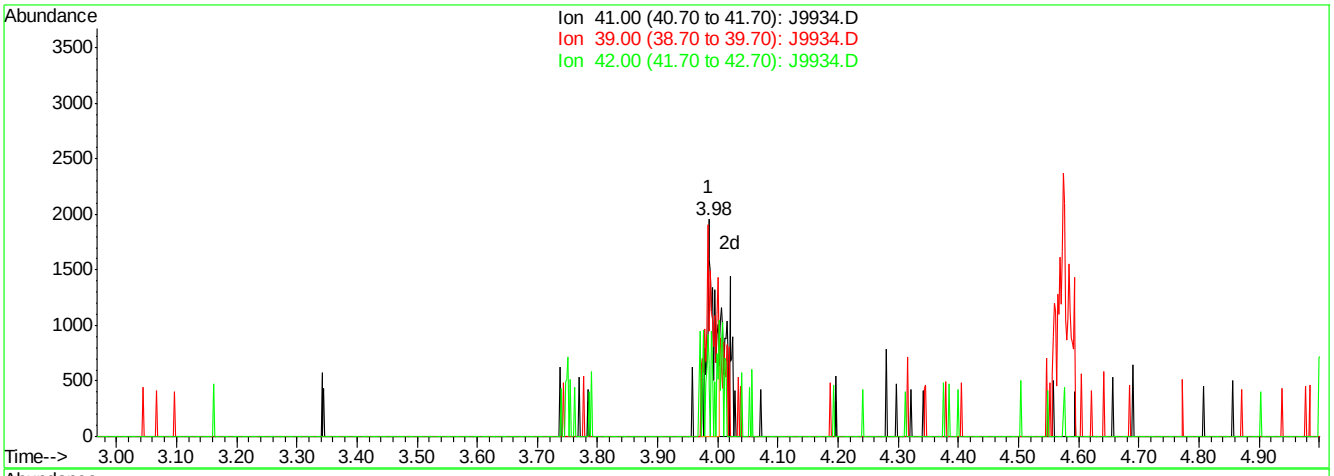
ACCUTEST Laboratories M64501

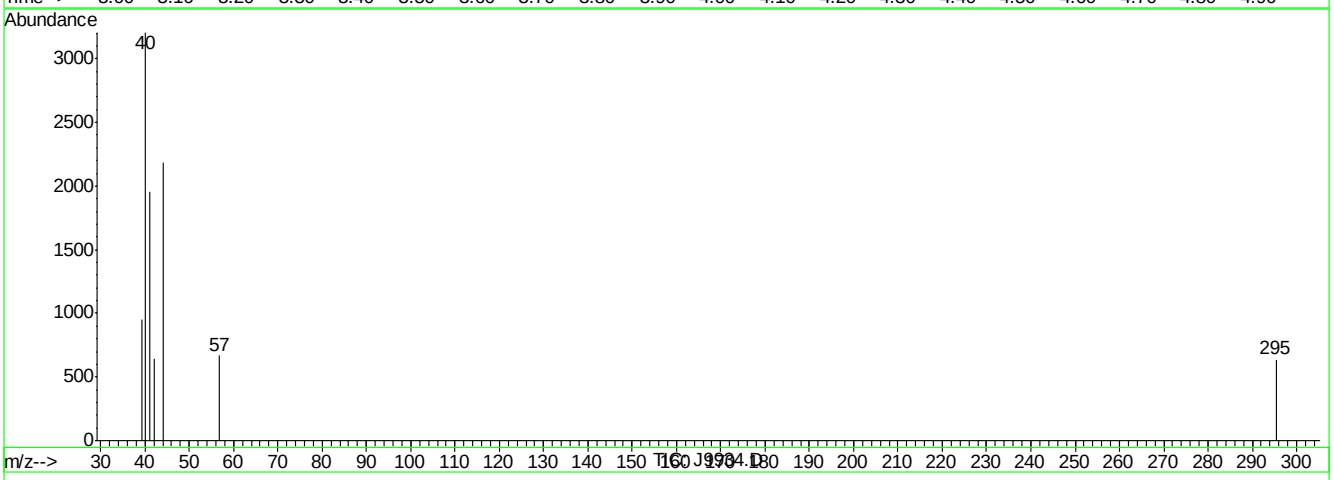
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

3.98min 0.10PPBV

response 1742

Ion	Exp%	Act%
41.00	100	100
39.00	79.30	48.39#
42.00	66.90	33.06#
0.00	0.00	0.00

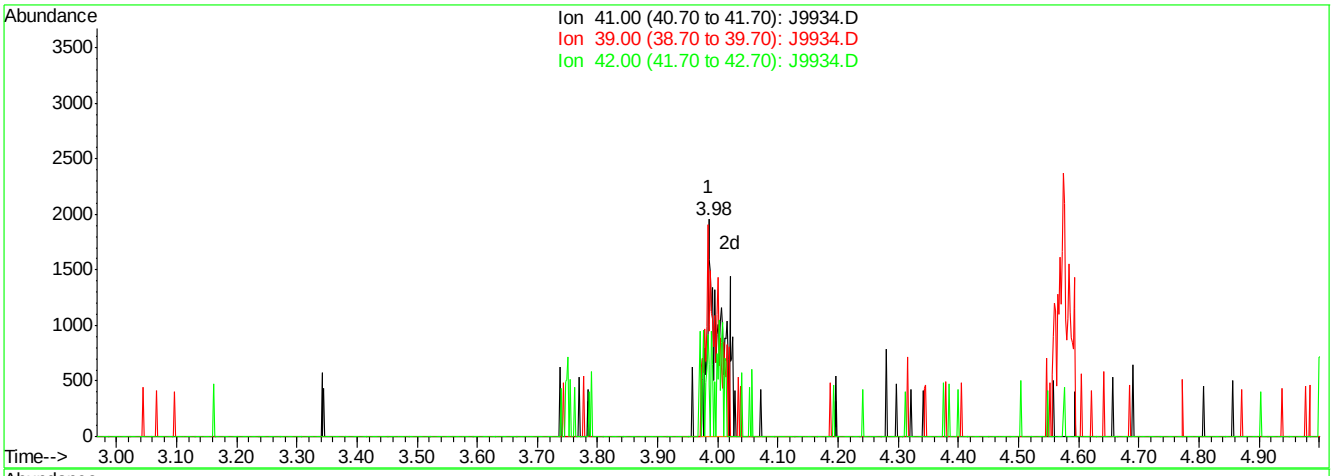
J9934.D J040407T.M Thu Apr 05 17:11:36 2007

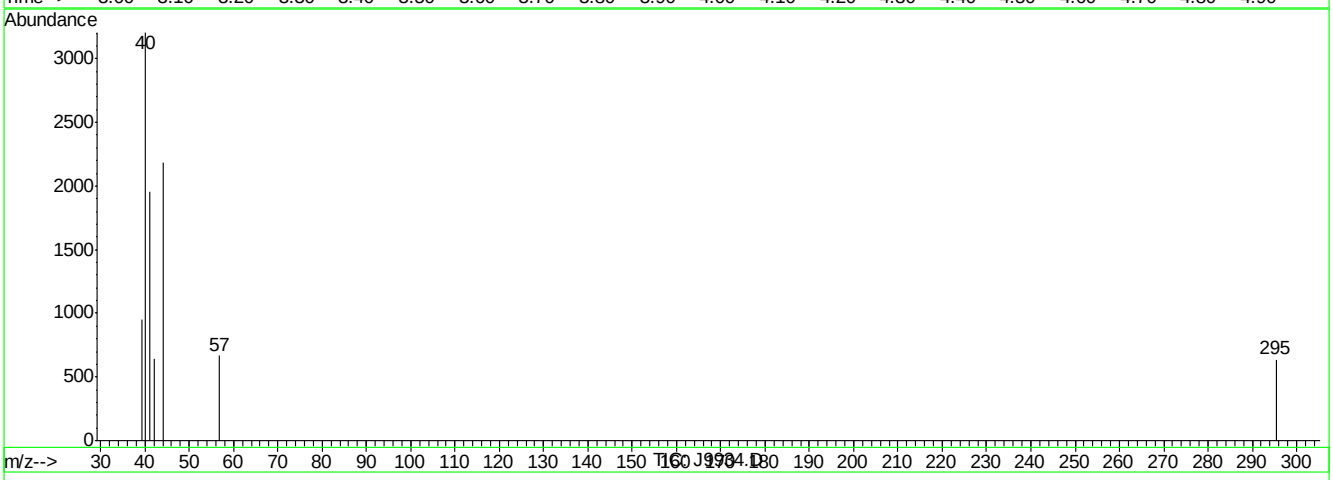
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

3.98min 0.17PPBV m

response 3061

Ion	Exp%	Act%
41.00	100	100
39.00	79.30	48.39#
42.00	66.90	33.06#
0.00	0.00	0.00

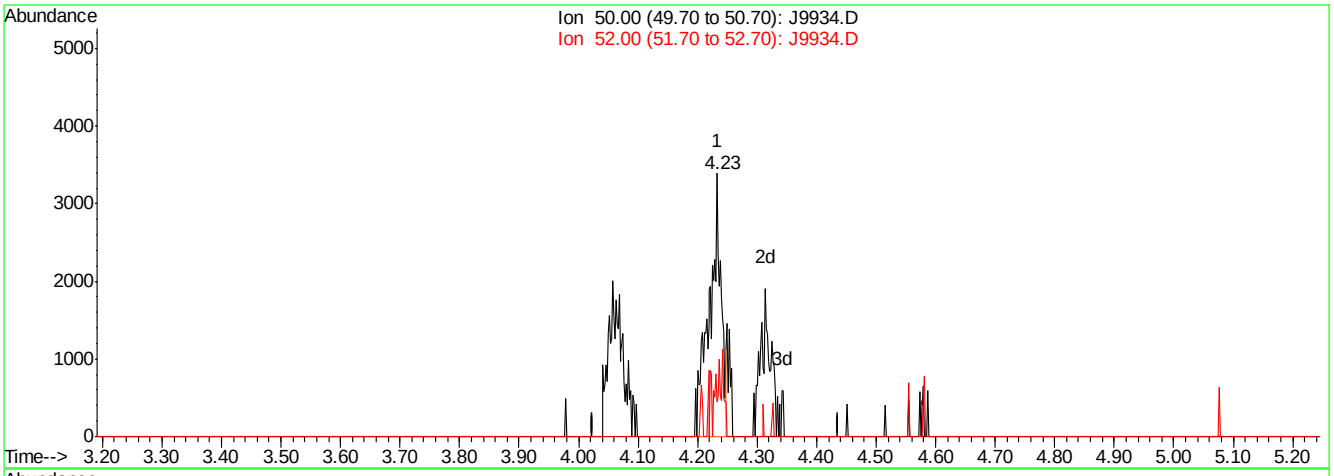
J9934.D J040407T.M Thu Apr 05 17:11:39 2007

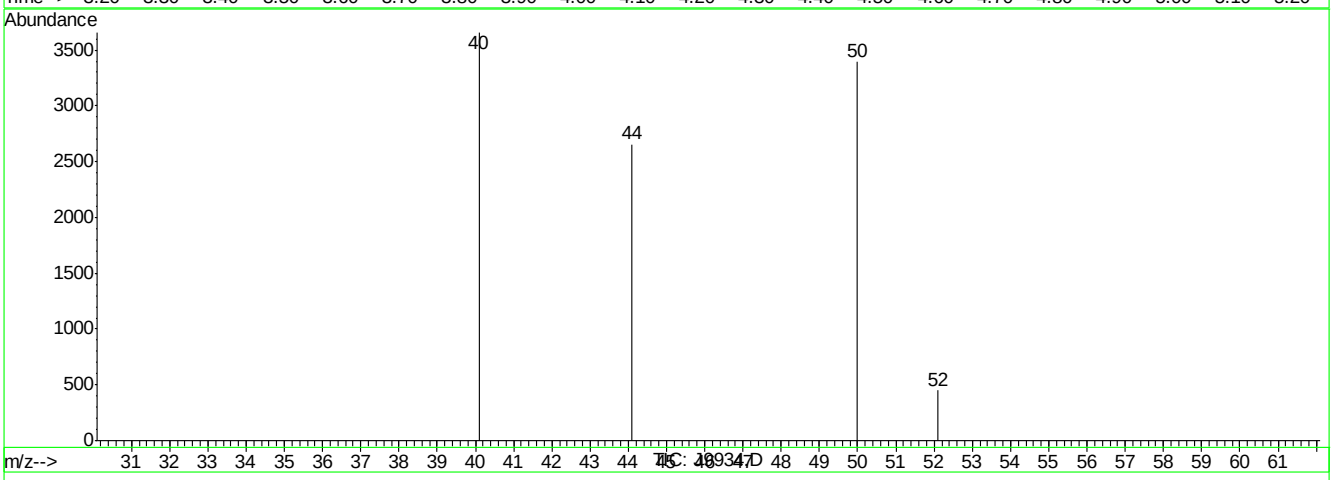
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.23min 0.18PPBV

response 4559

Ion	Exp%	Act%
50.00	100	100
52.00	29.80	7.84#
0.00	0.00	0.00
0.00	0.00	0.00

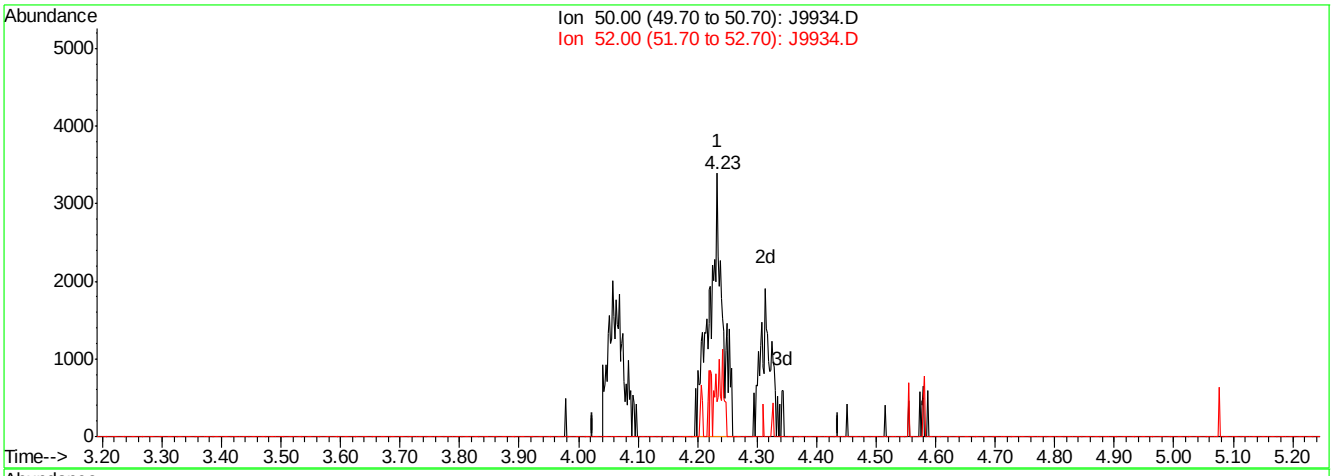
J9934.D J040407T.M Thu Apr 05 17:12:26 2007

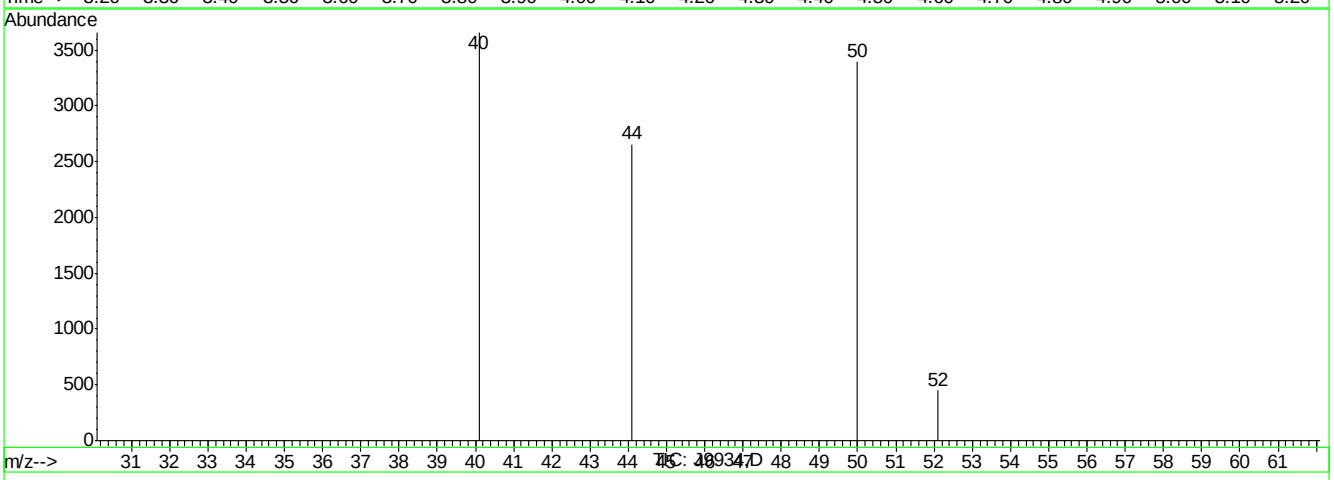
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.23min 0.21PPBV m

response 5217

Ion	Exp%	Act%
50.00	100	100
52.00	29.80	13.21
0.00	0.00	0.00
0.00	0.00	0.00

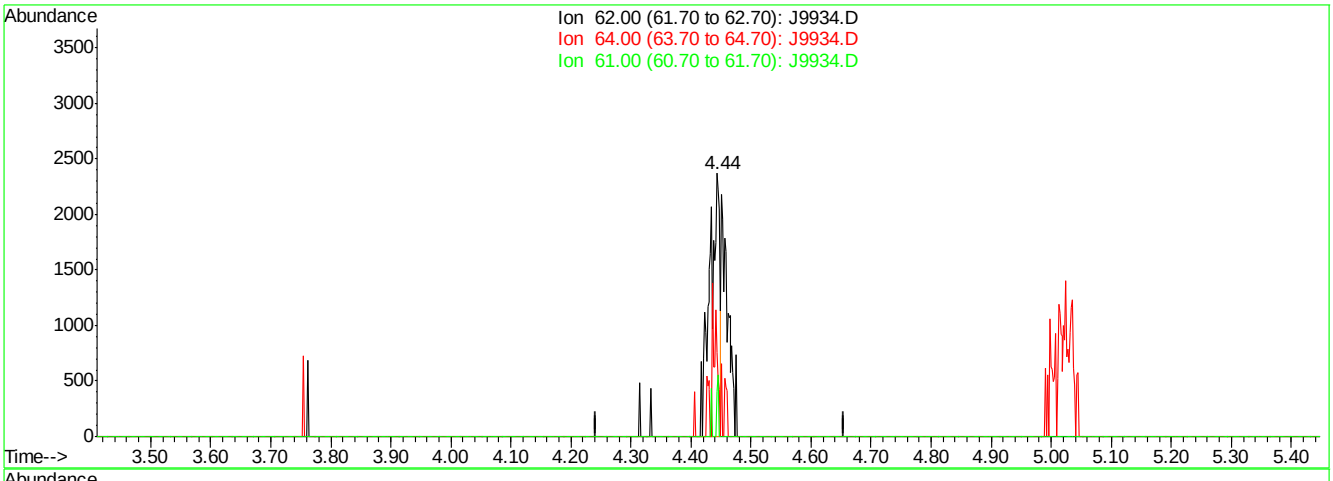
J9934.D J040407T.M Thu Apr 05 17:12:31 2007

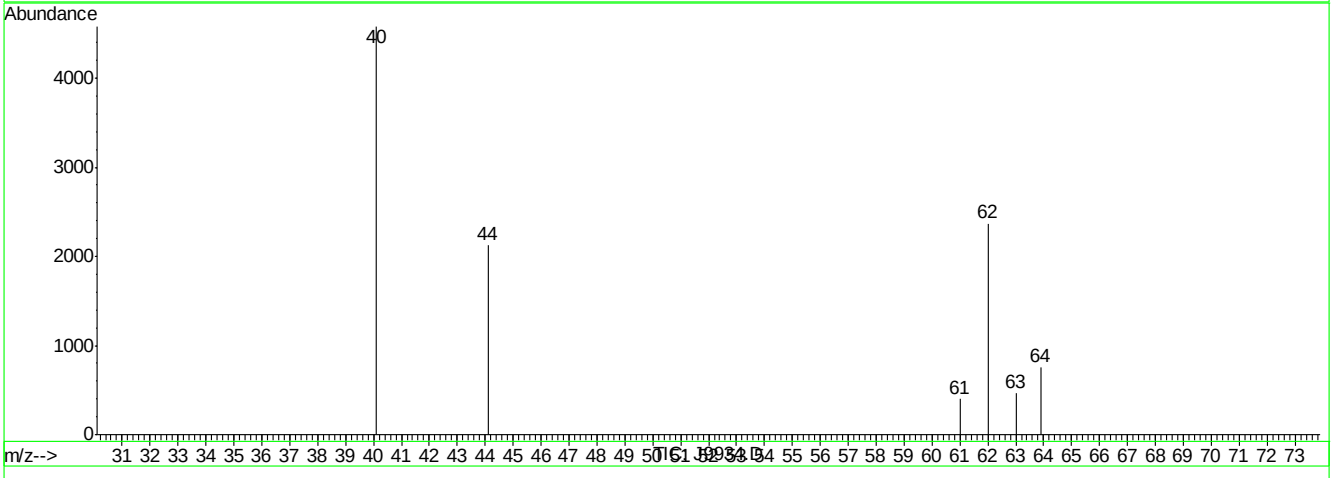
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(6) VINYL CHLORIDE (m)

4.44min 0.10PPBV

response 2716

Ion	Exp%	Act%
62.00	100	100
64.00	32.90	5.41#
61.00	8.50	3.72
0.00	0.00	0.00

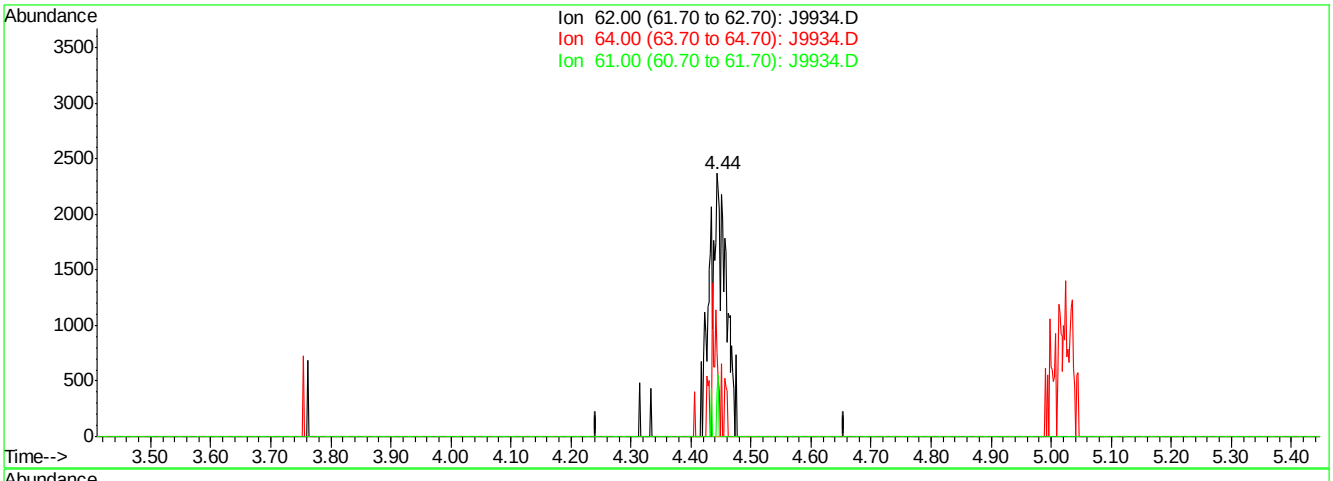
J9934.D J040407T.M Thu Apr 05 17:12:34 2007

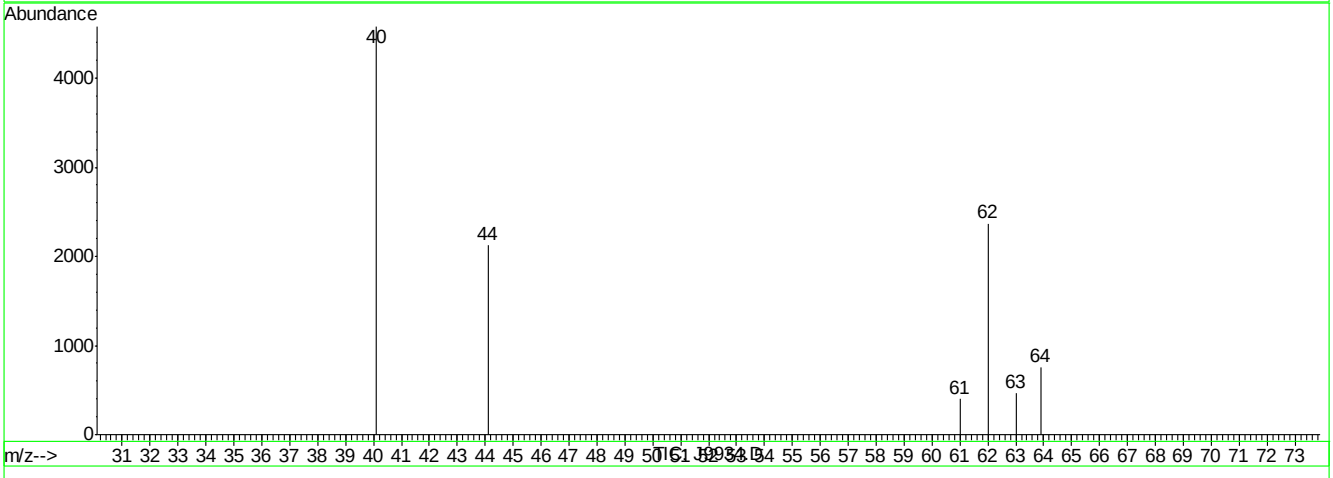
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(6) VINYL CHLORIDE (m)

4.44min 0.16PPBV m

response 4433

Ion	Exp%	Act%
62.00	100	100
64.00	32.90	3.32#
61.00	8.50	2.28
0.00	0.00	0.00

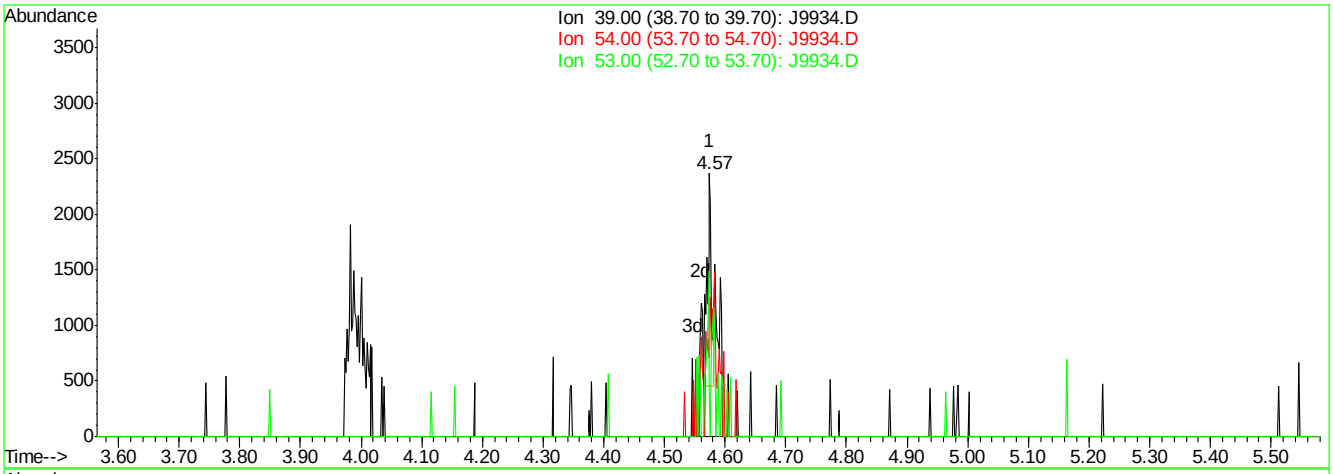
J9934.D J040407T.M Thu Apr 05 17:12:37 2007

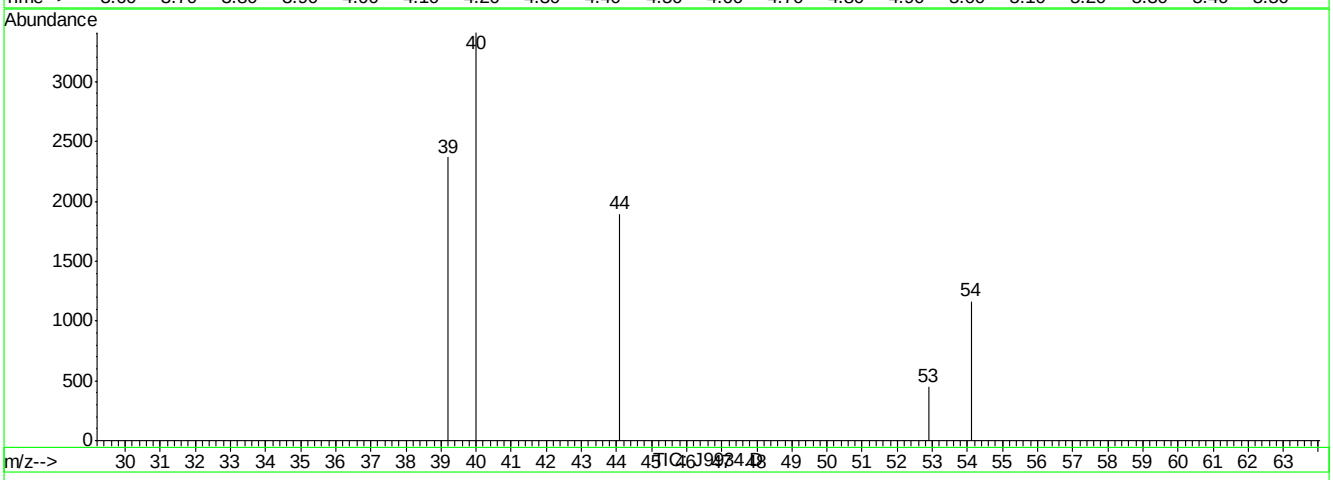
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(7) 1,3-BUTADIENE (m)

4.57min 0.05PPBV

response 1040

Ion	Exp%	Act%
39.00	100	100
54.00	89.20	178.85#
53.00	63.00	50.58
0.00	0.00	0.00

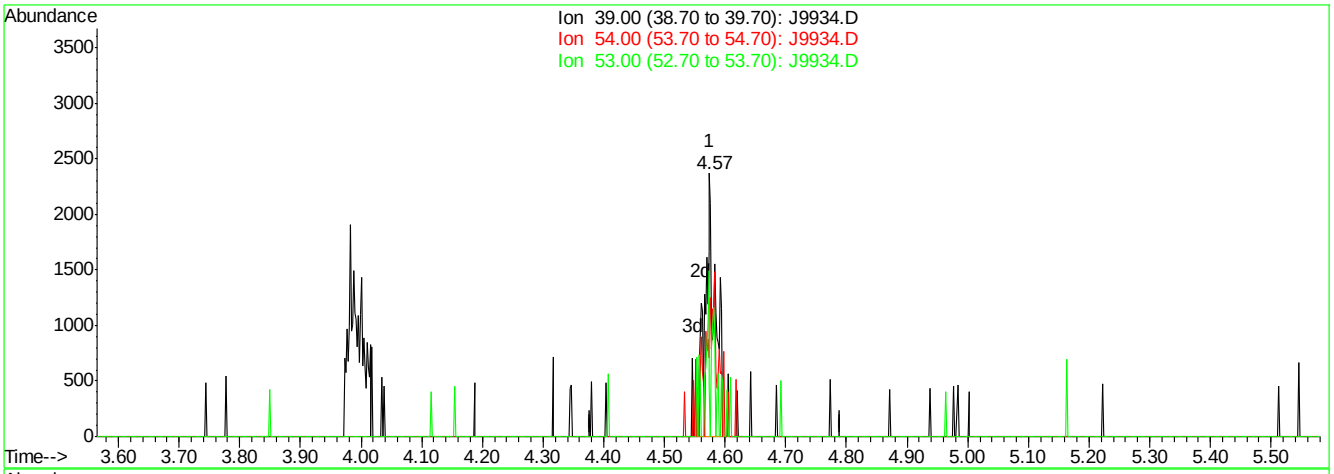
J9934.D J040407T.M Thu Apr 05 17:12:40 2007

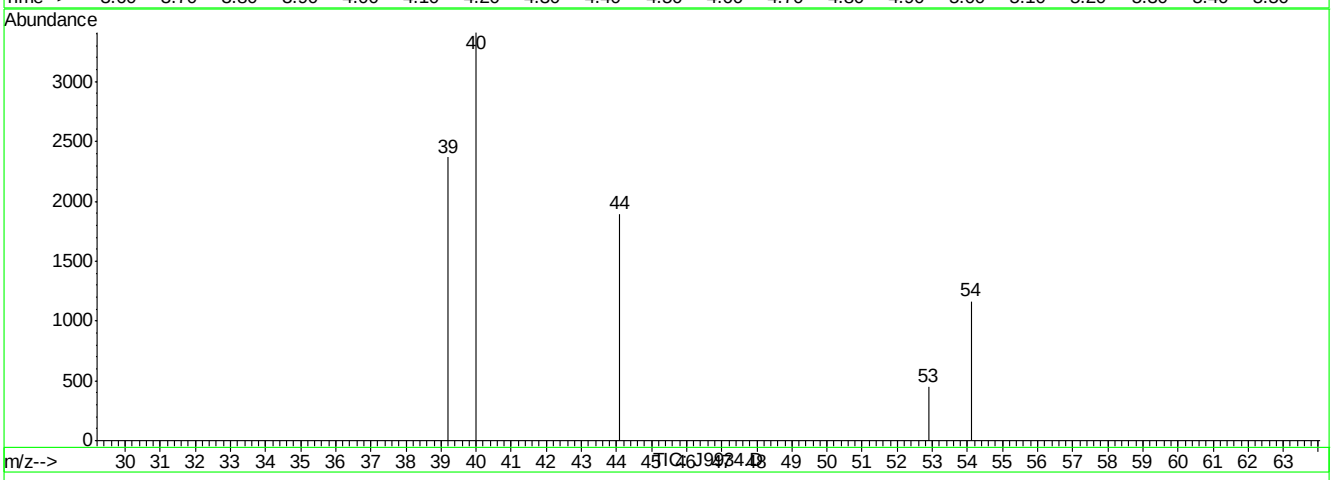
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(7) 1,3-BUTADIENE (m)

4.57min 0.13PPBV m

response 3028

Ion	Exp%	Act%
39.00	100	100
54.00	89.20	61.43#
53.00	63.00	17.37#
0.00	0.00	0.00

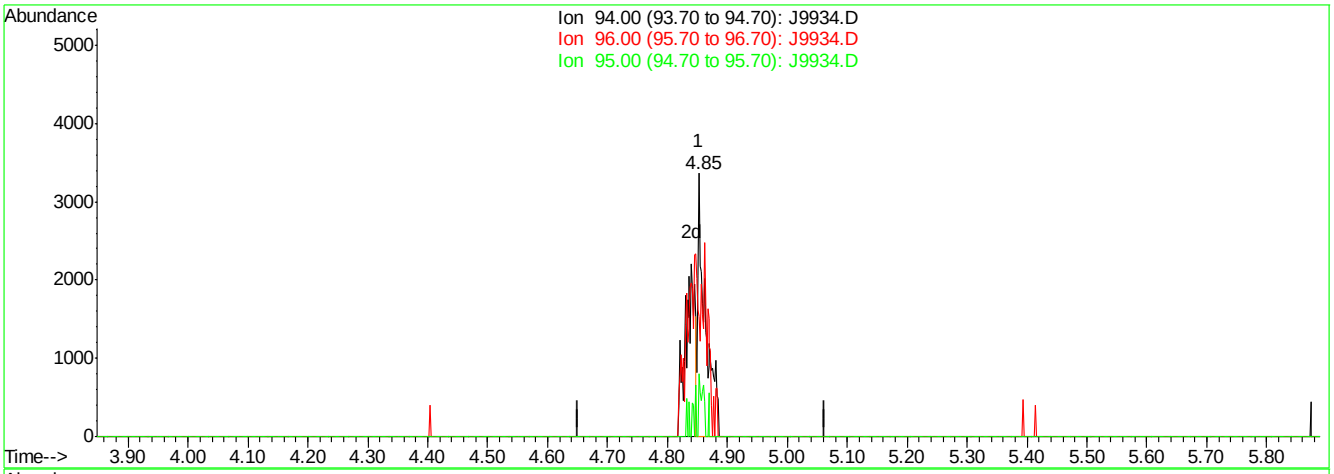
J9934.D J040407T.M Thu Apr 05 17:12:44 2007

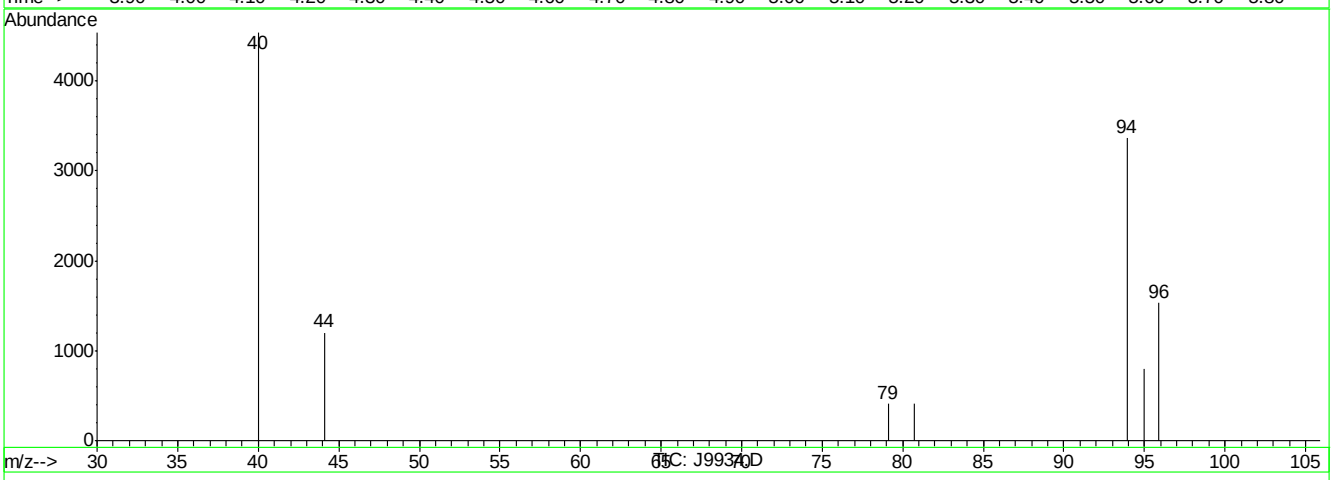
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.85min 0.10PPBV

response 2896

Ion	Exp%	Act%
94.00	100	100
96.00	94.90	110.53
95.00	15.00	8.87
0.00	0.00	0.00

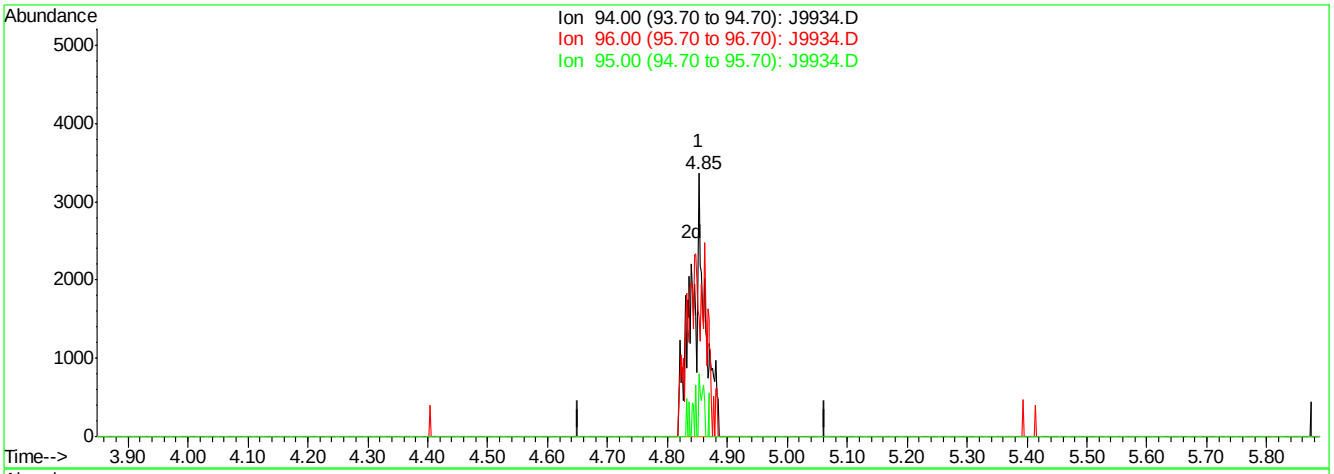
J9934.D J040407T.M Thu Apr 05 17:12:47 2007

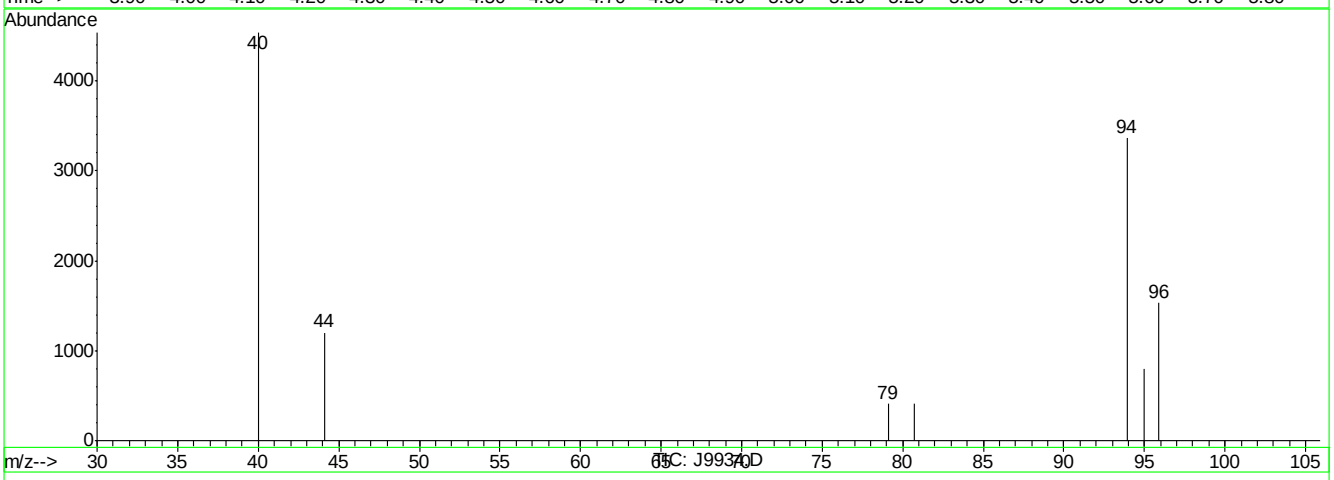
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.85min 0.18PPBV m

response 5335

Ion	Exp%	Act%
94.00	100	100
96.00	94.90	60.00#
95.00	15.00	4.82
0.00	0.00	0.00

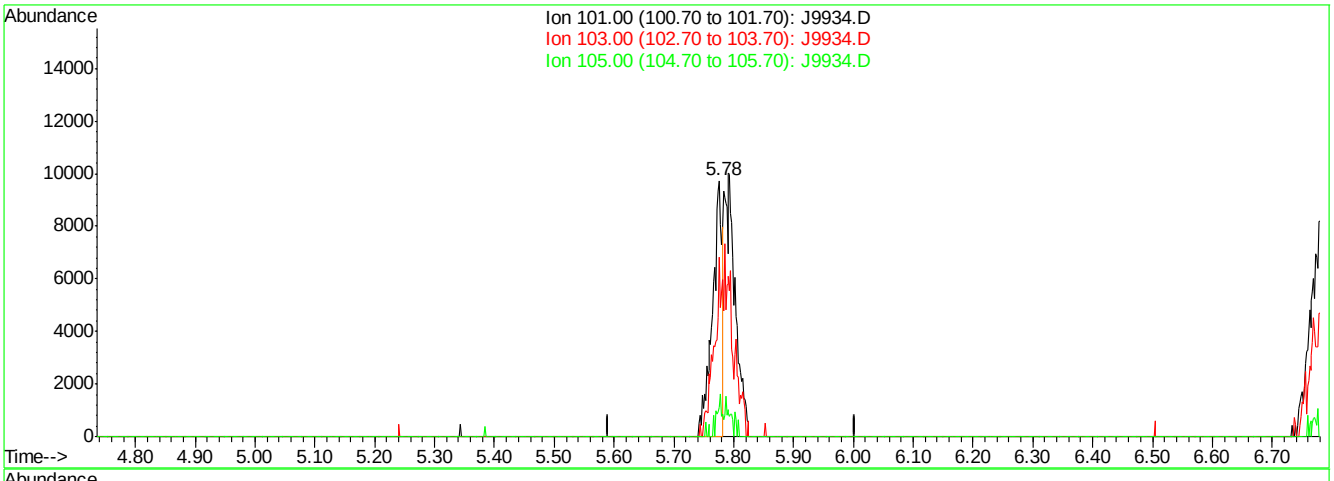
J9934.D J040407T.M Thu Apr 05 17:12:50 2007

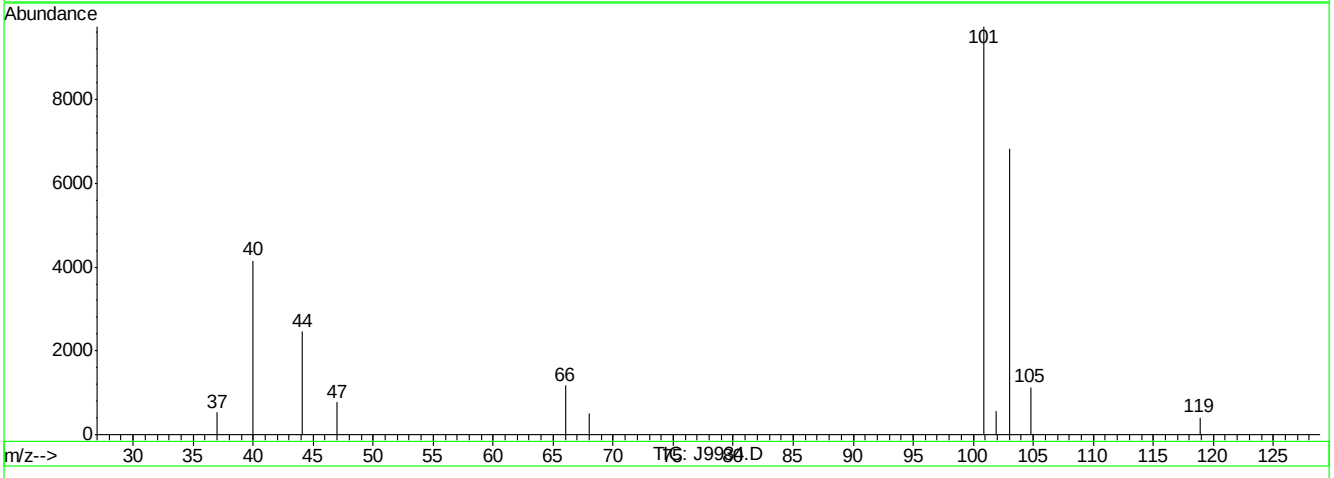
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(10) TRICHLOROFLUOROMETHANE (m)

5.78min 0.09PPBV

response 10605

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	134.60#
105.00	10.20	11.82
0.00	0.00	0.00

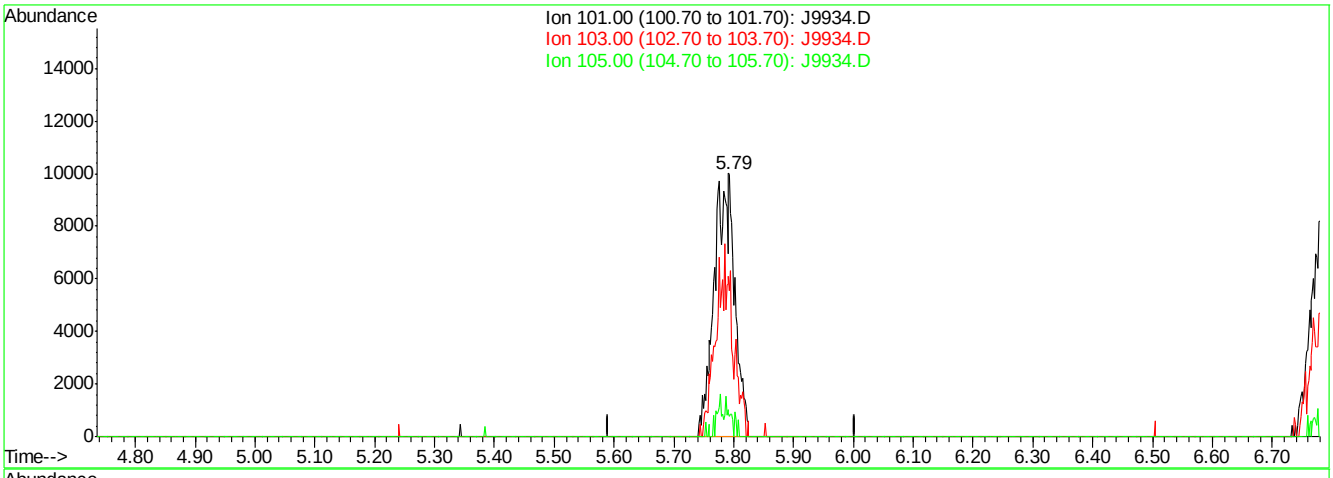
J9934.D J040407T.M Thu Apr 05 17:12:58 2007

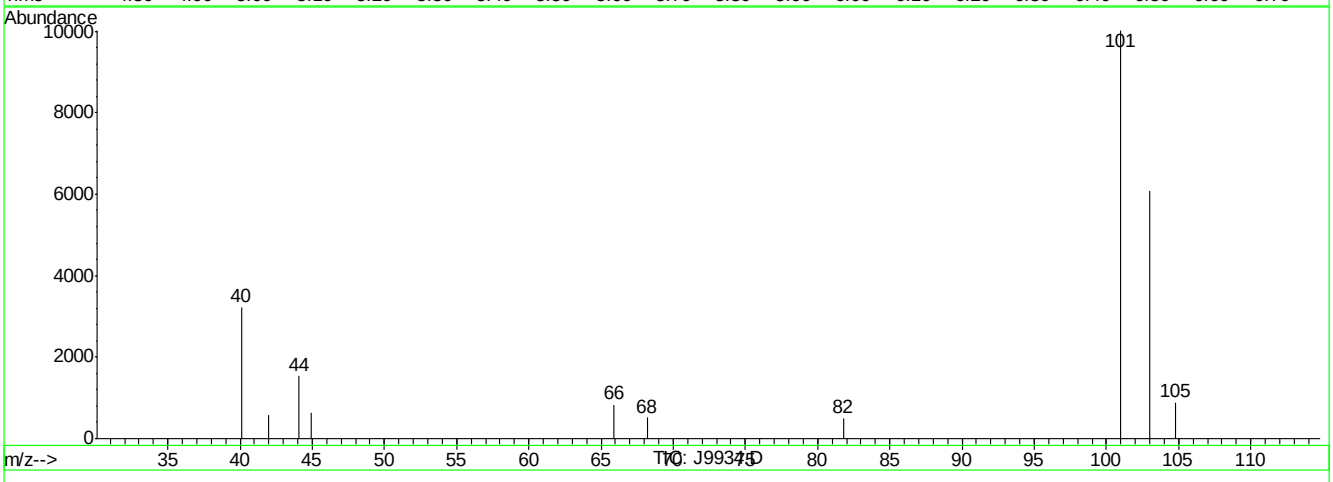
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(10) TRICHLOROFLUOROMETHANE (m)

5.79min 0.20PPBV m

response 23757

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	60.08
105.00	10.20	5.27
0.00	0.00	0.00

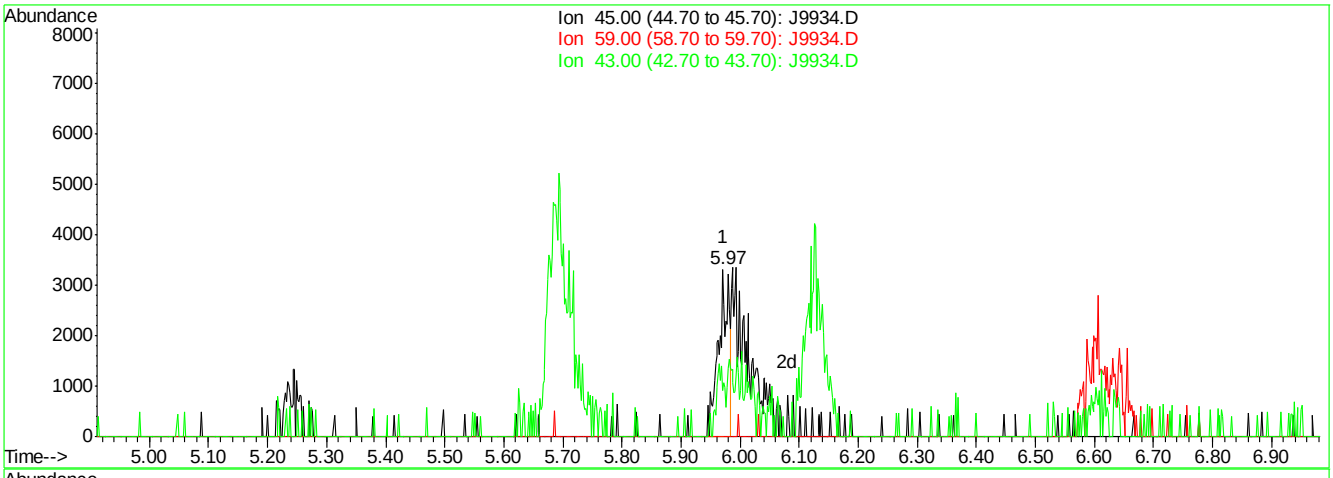
J9934.D J040407T.M Thu Apr 05 17:13:02 2007

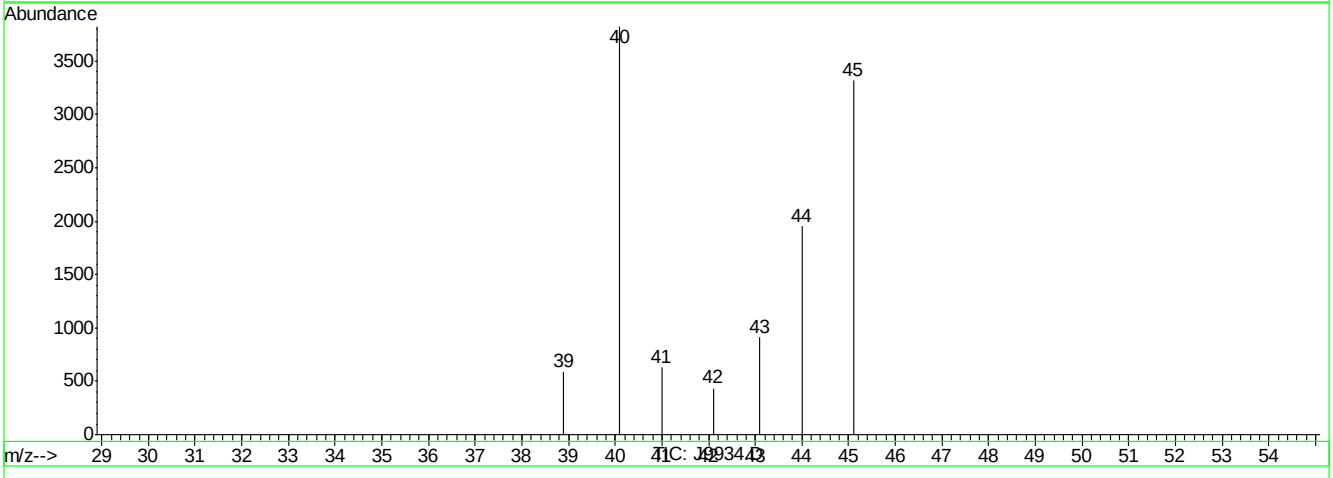
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.97min 0.08PPBV

response 3950

Ion	Exp%	Act%
45.00	100	100
59.00	3.50	0.00
43.00	19.80	27.49
0.00	0.00	0.00

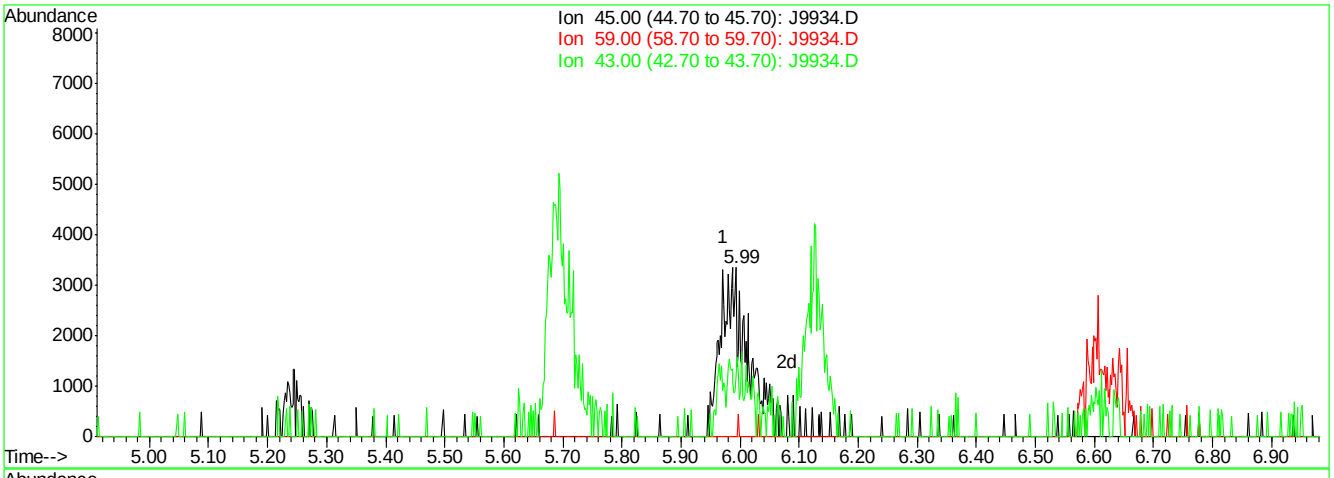
J9934.D J040407T.M Thu Apr 05 17:13:13 2007

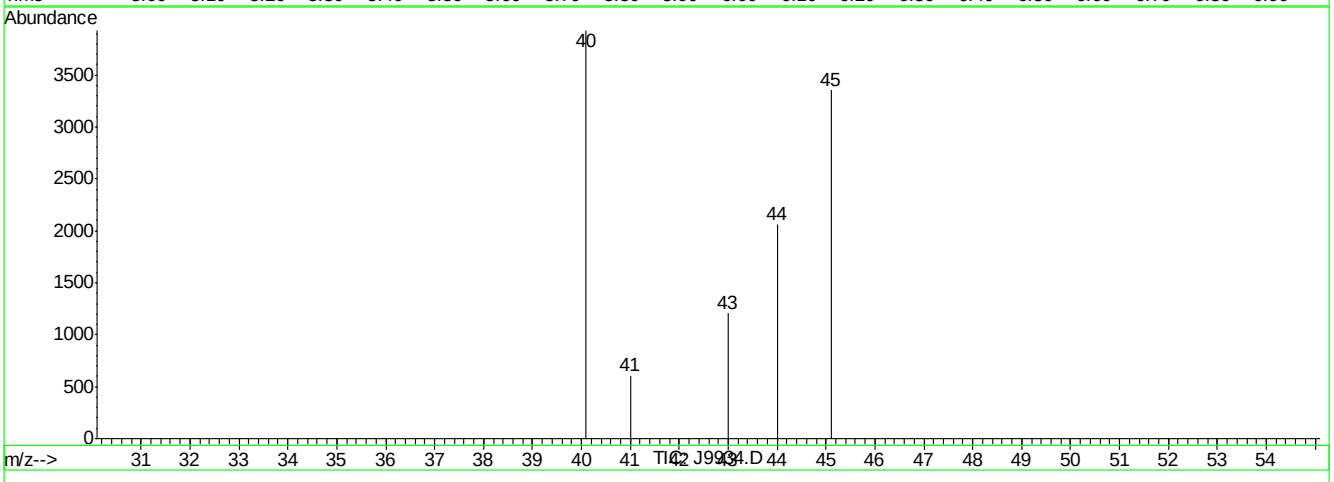
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.99min 0.23PPBV m

response 10815

Ion	Exp%	Act%
45.00	100	100
59.00	3.50	0.00
43.00	19.80	36.04
0.00	0.00	0.00

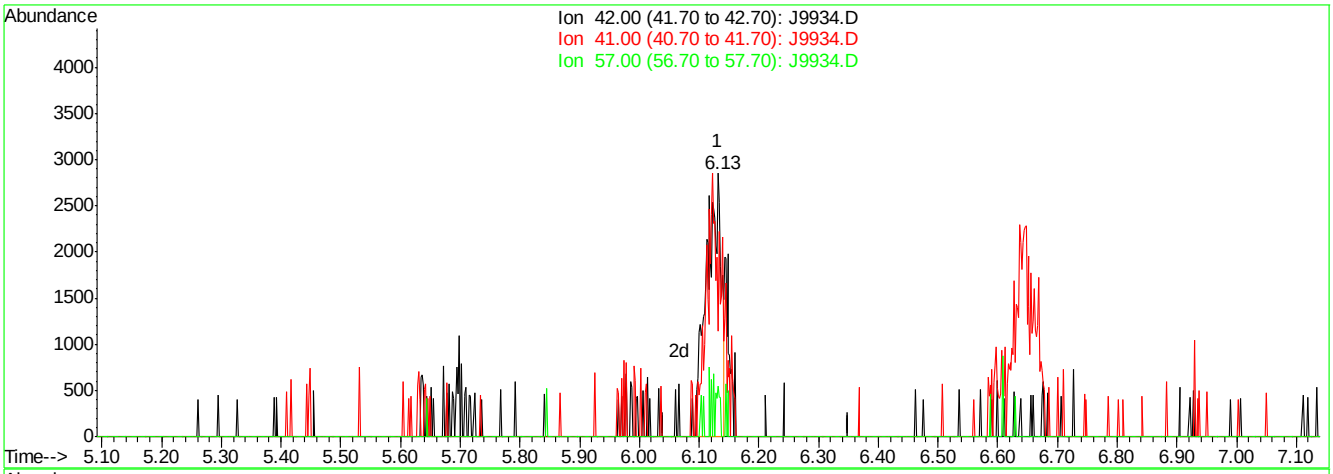
J9934.D J040407T.M Thu Apr 05 17:13:17 2007

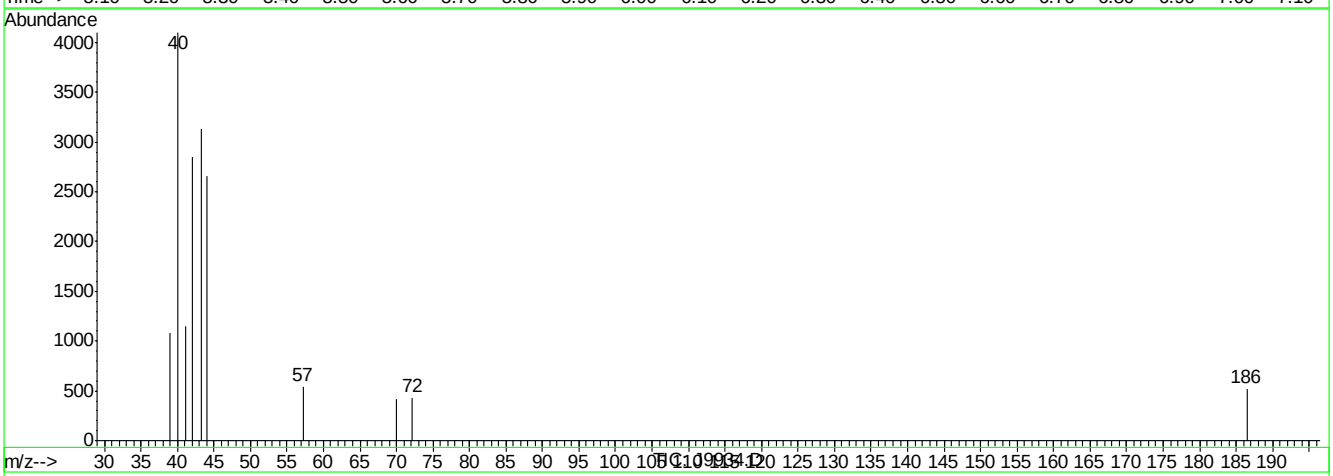
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.13min 0.18PPBV

response 4840

Ion	Exp%	Act%
42.00	100	100
41.00	100.70	104.32
57.00	26.60	6.49#
0.00	0.00	0.00

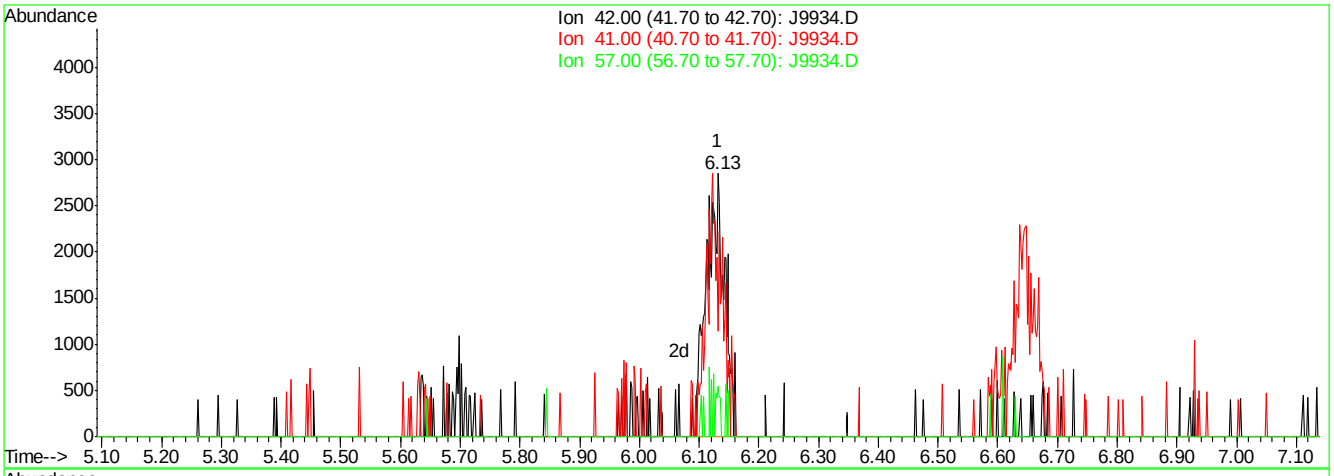
J9934.D J040407T.M Thu Apr 05 17:13:22 2007

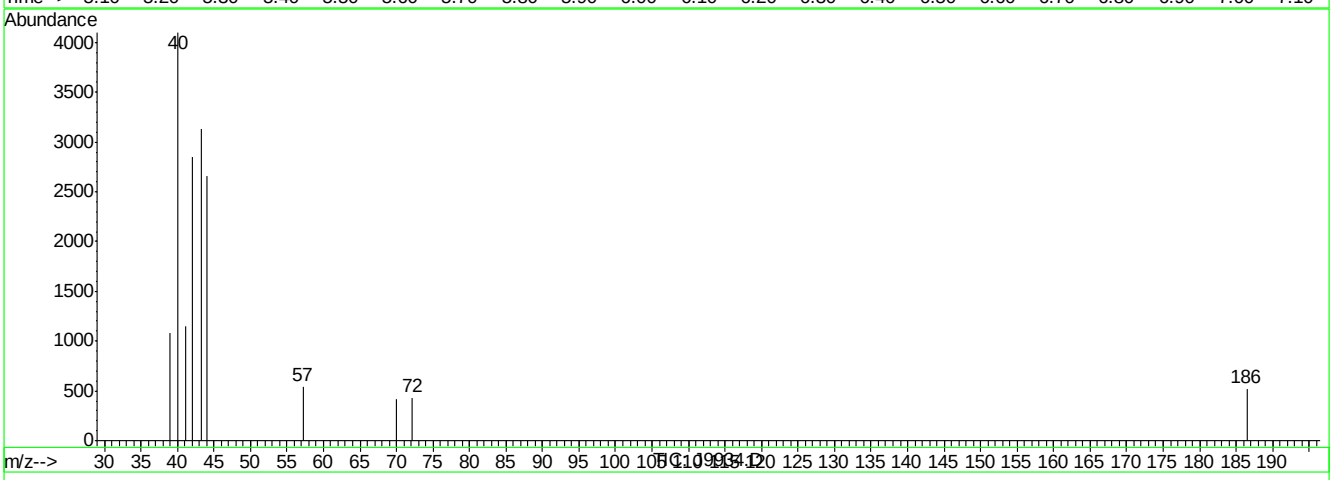
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.13min 0.23PPBV m

response 6119

Ion	Exp%	Act%
42.00	100	100
41.00	100.70	82.51
57.00	26.60	5.13#
0.00	0.00	0.00

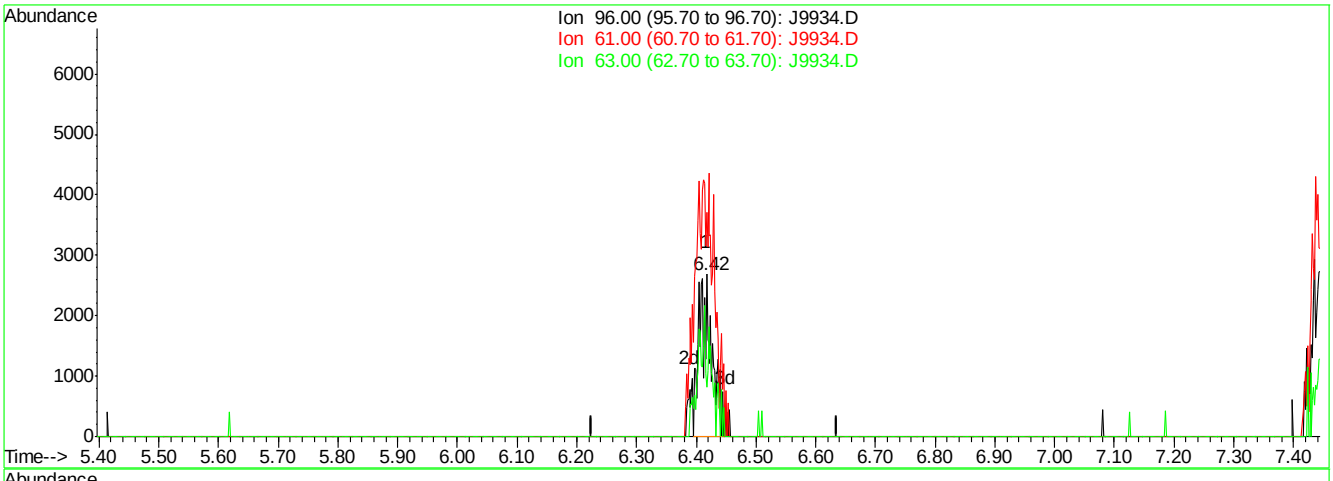
J9934.D J040407T.M Thu Apr 05 17:13:25 2007

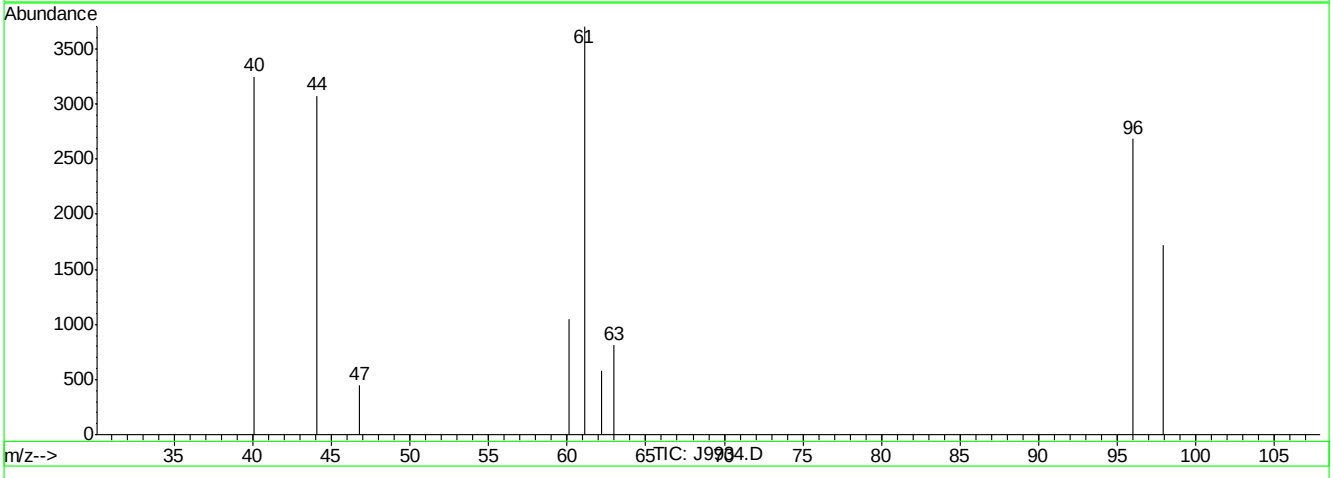
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.14PPBV

response 3959

Ion	Exp%	Act%
96.00	100	100
61.00	178.40	229.33#
63.00	57.50	31.19#
0.00	0.00	0.00

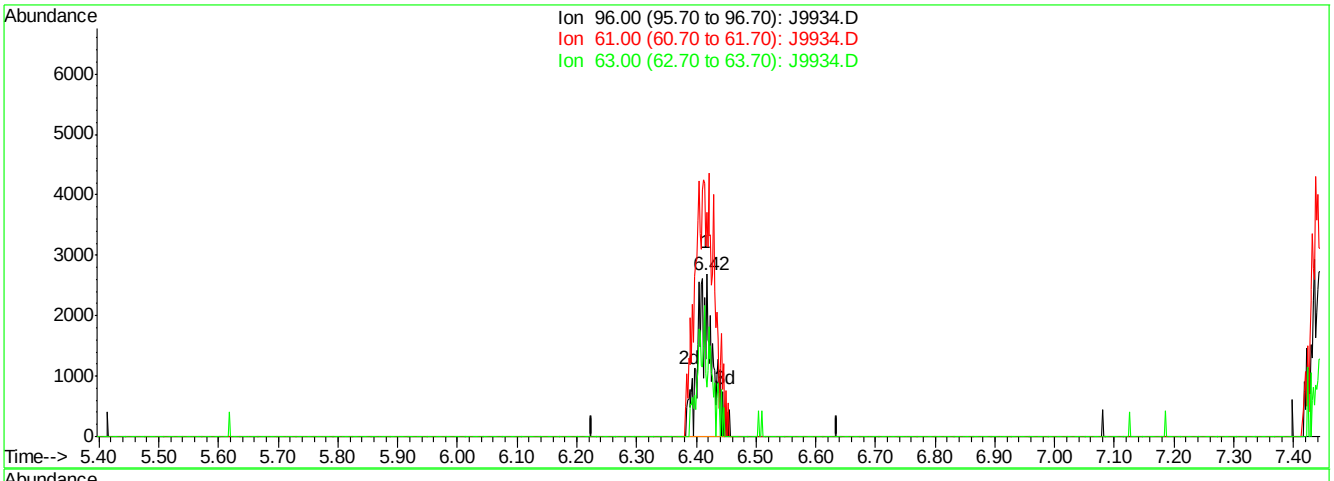
J9934.D J040407T.M Thu Apr 05 17:13:30 2007

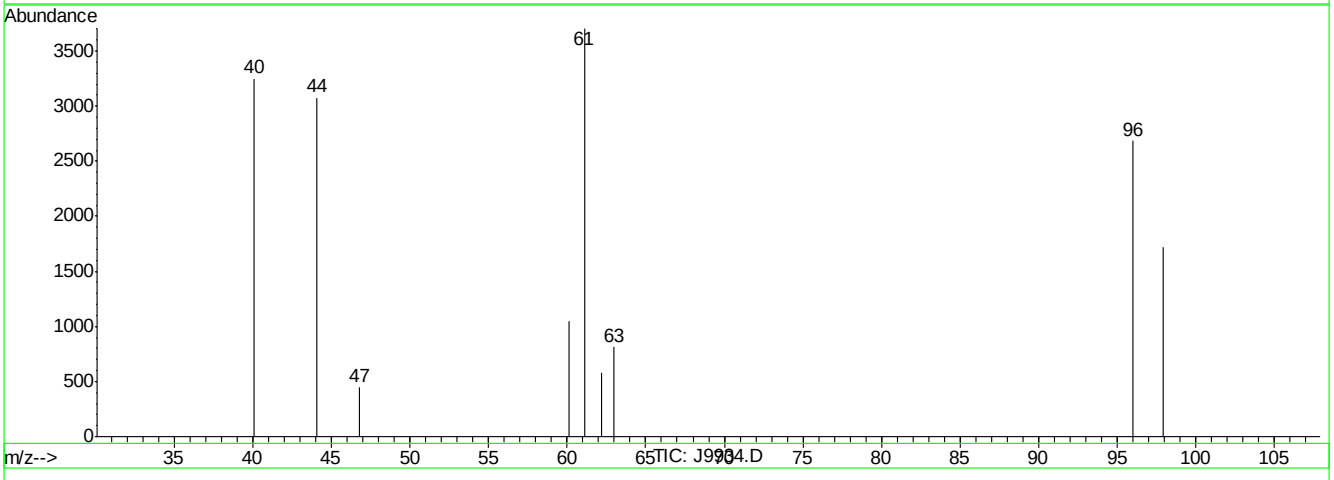
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.16PPBV m

response 4590

Ion	Exp%	Act%
96.00	100	100
61.00	178.40	197.80
63.00	57.50	26.91#
0.00	0.00	0.00

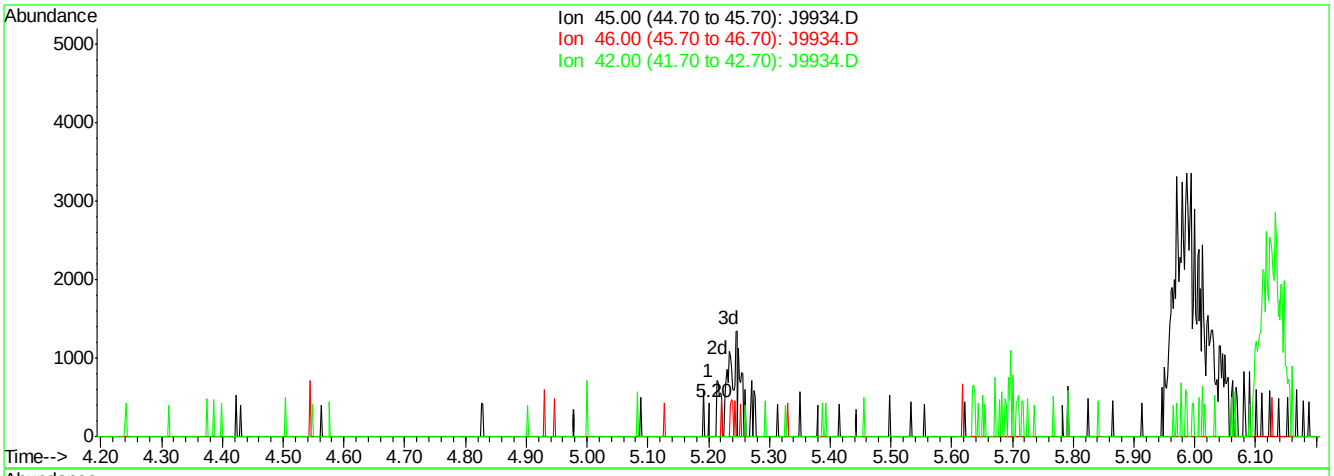
J9934.D J040407T.M Thu Apr 05 17:13:33 2007

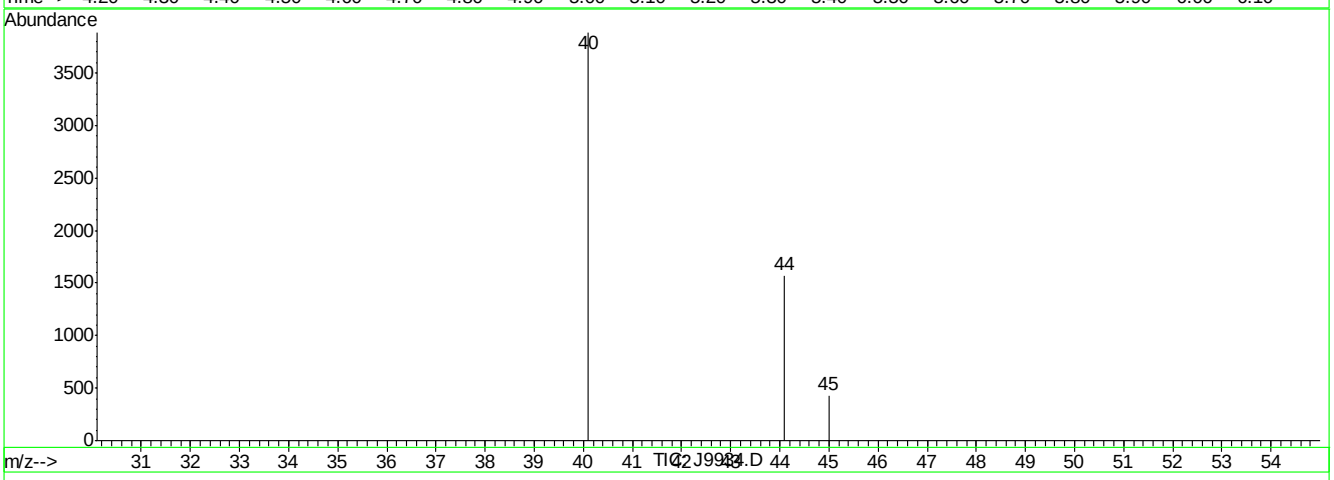
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.20min 0.01PPBV

response 46

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

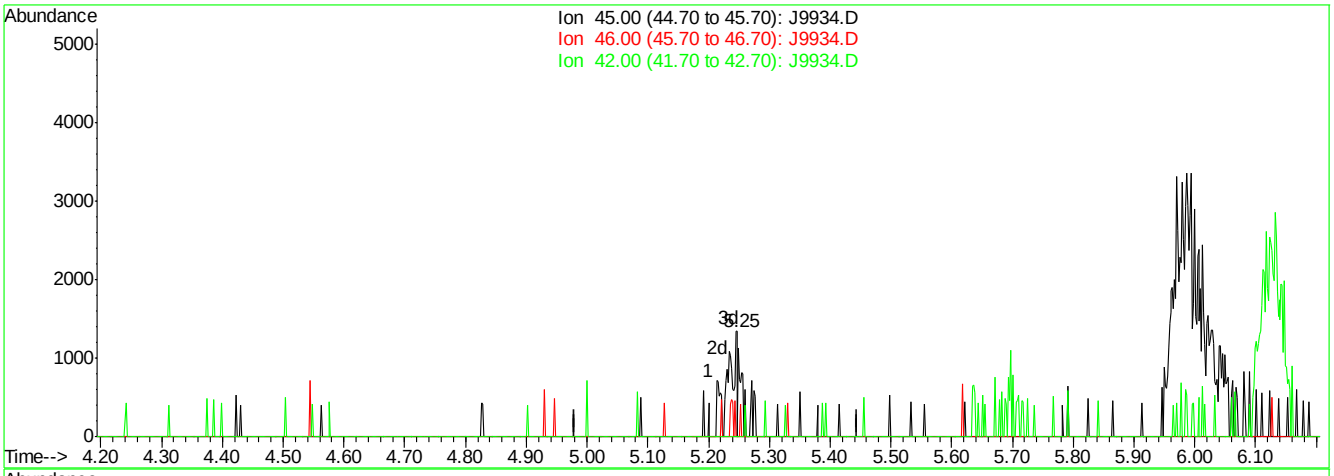
J9934.D J040407T.M Thu Apr 05 17:13:37 2007

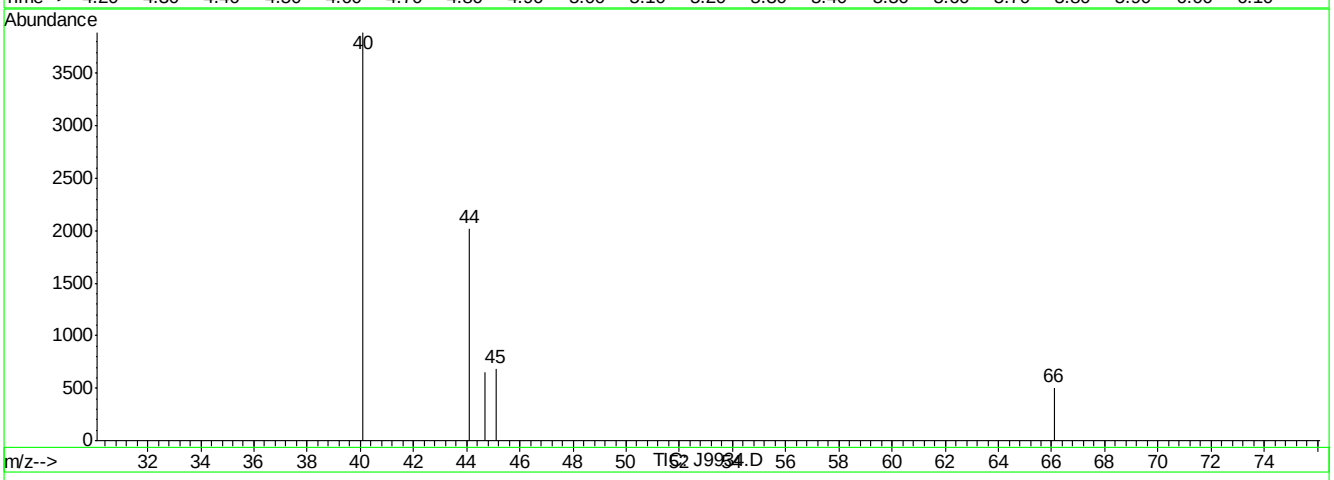
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.25min 0.24PPBV m

response 2212

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

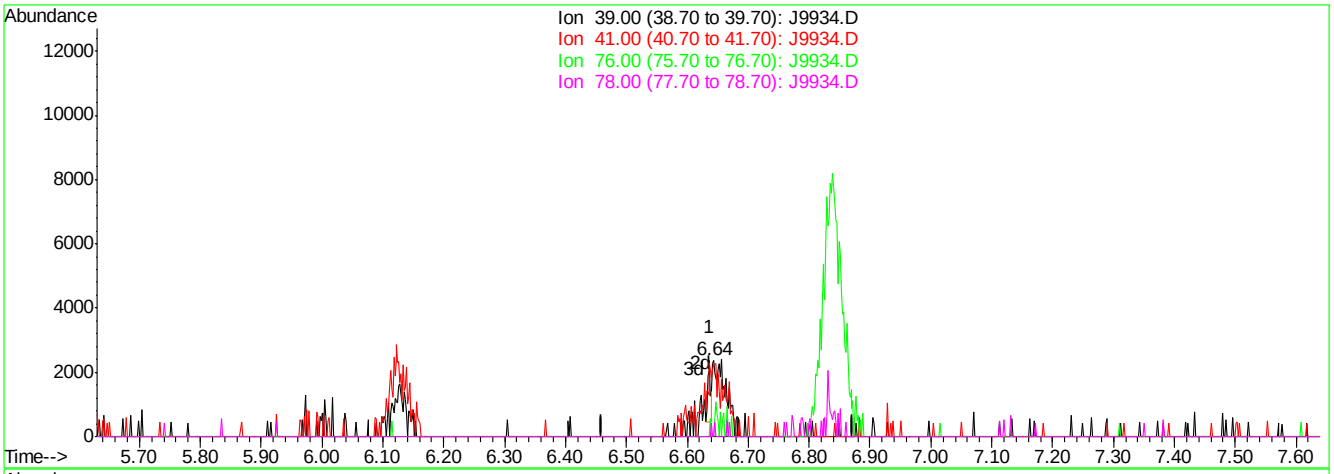
J9934.D J040407T.M Thu Apr 05 17:13:41 2007

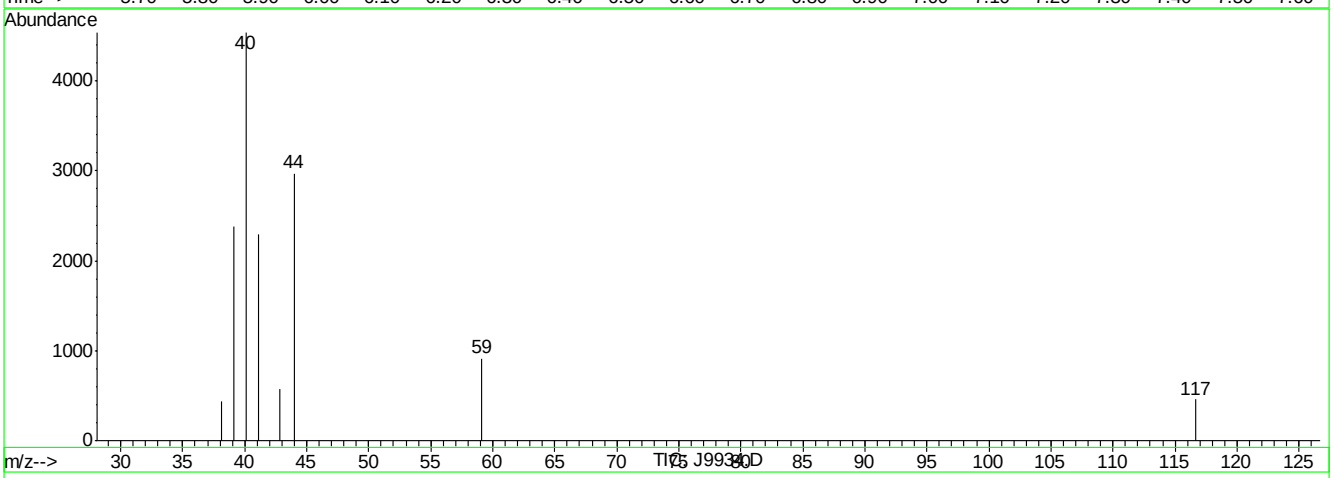
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(19) 3-CHLOROPROPENE (m)

6.64min 0.03PPBV

response 745

Ion	Exp%	Act%
39.00	100	100
41.00	112.80	293.83#
76.00	43.50	70.20#
78.00	14.30	12.48

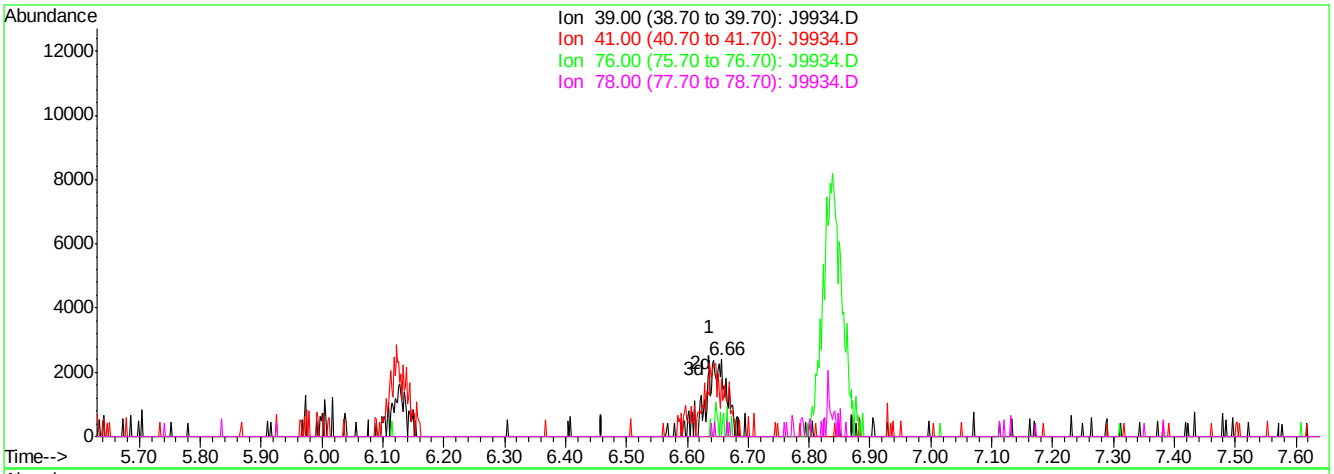
J9934.D J040407T.M Thu Apr 05 17:13:48 2007

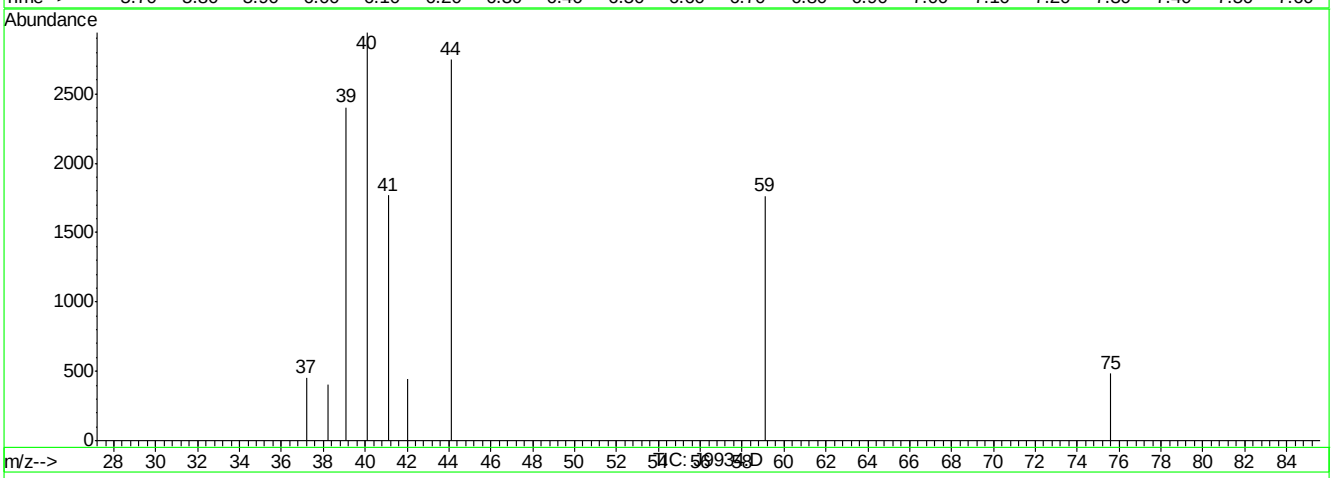
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(19) 3-CHLOROPROPENE (m)

6.66min 0.19PPBV m

response 5214

Ion	Exp%	Act%
39.00	100	100
41.00	112.80	41.98#
76.00	43.50	10.03#
78.00	14.30	1.78

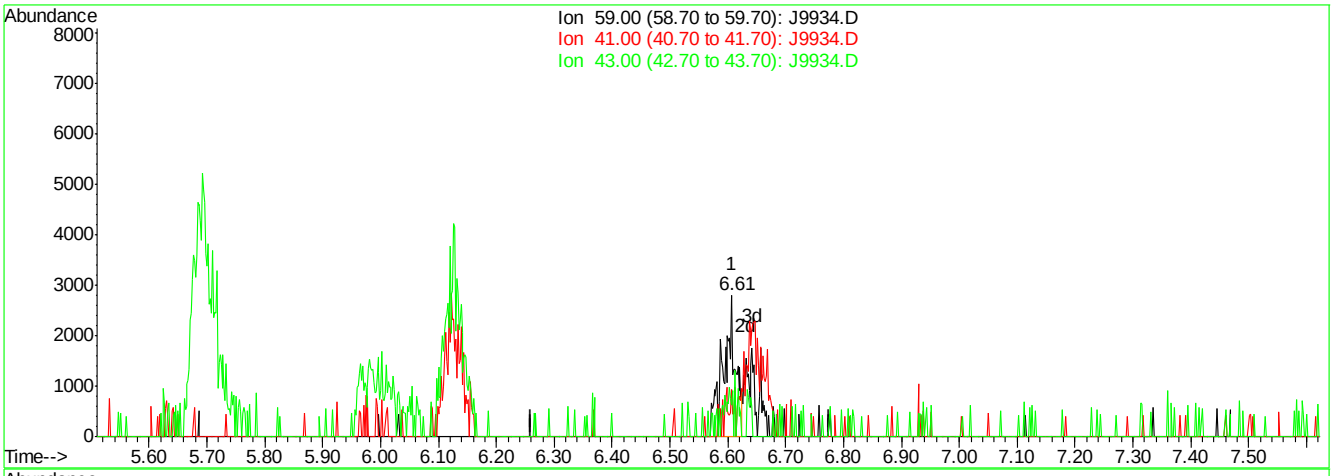
J9934.D J040407T.M Thu Apr 05 17:13:54 2007

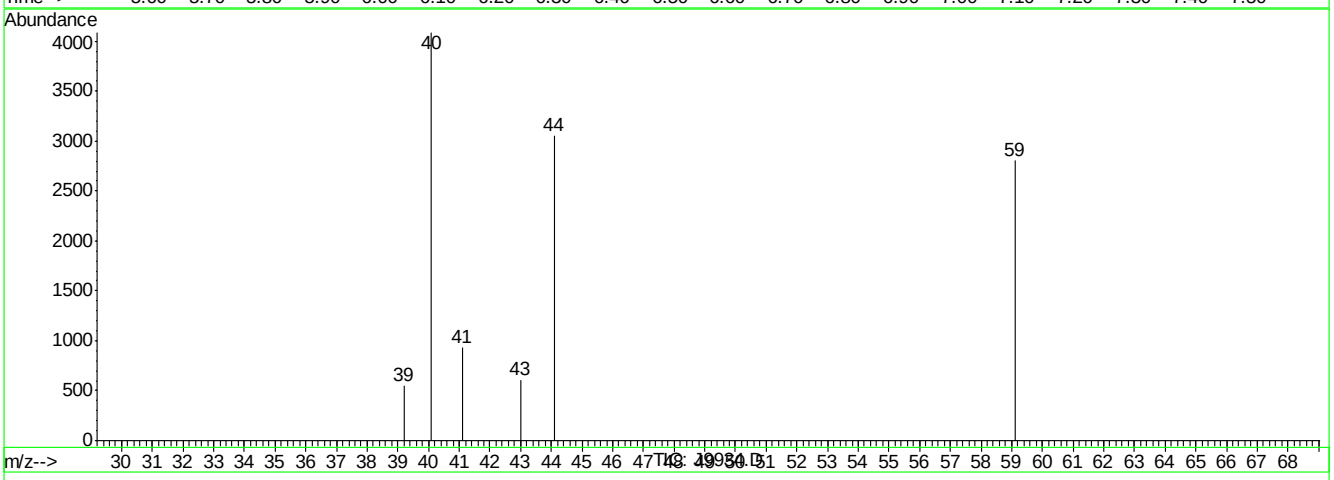
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.61min 0.08PPBV

response 4052

Ion	Exp%	Act%
59.00	100	100
41.00	7.90	9.72
43.00	16.20	17.13
0.00	0.00	0.00

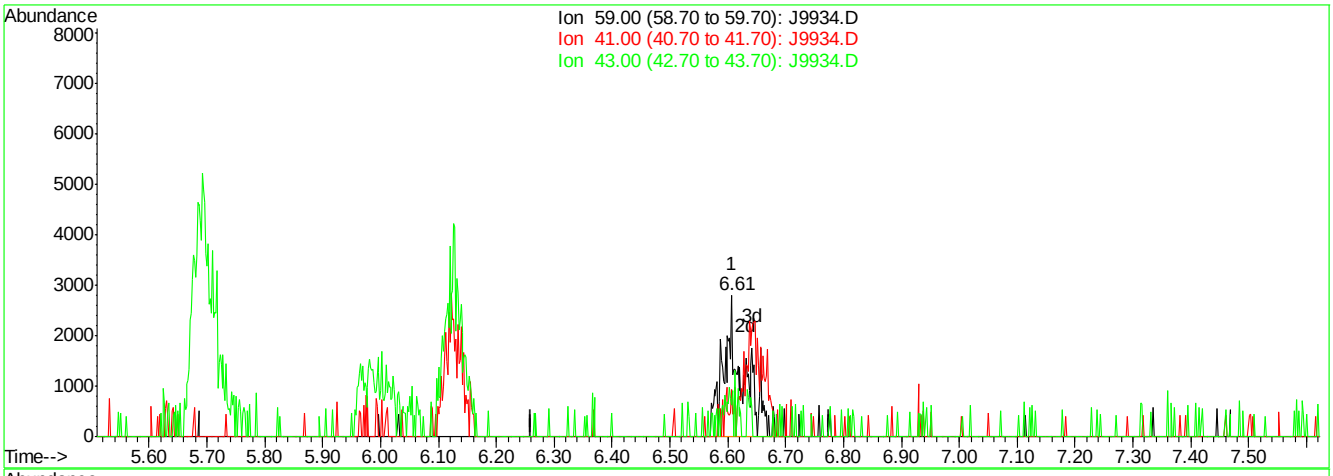
J9934.D J040407T.M Thu Apr 05 17:13:58 2007

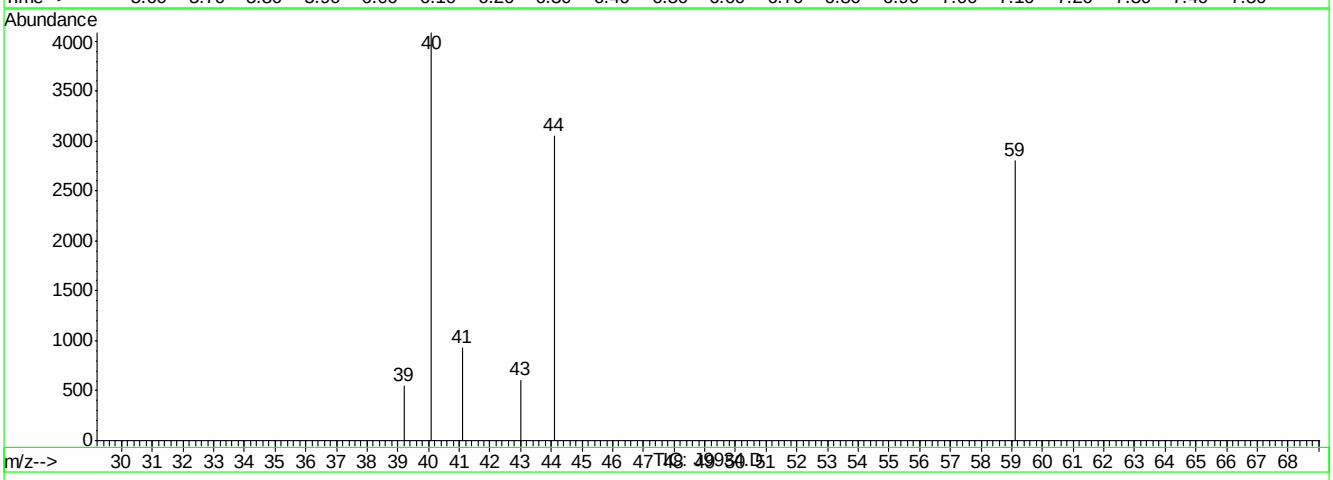
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.61min 0.13PPBV m

response 6533

Ion	Exp%	Act%
59.00	100	100
41.00	7.90	6.03
43.00	16.20	10.62
0.00	0.00	0.00

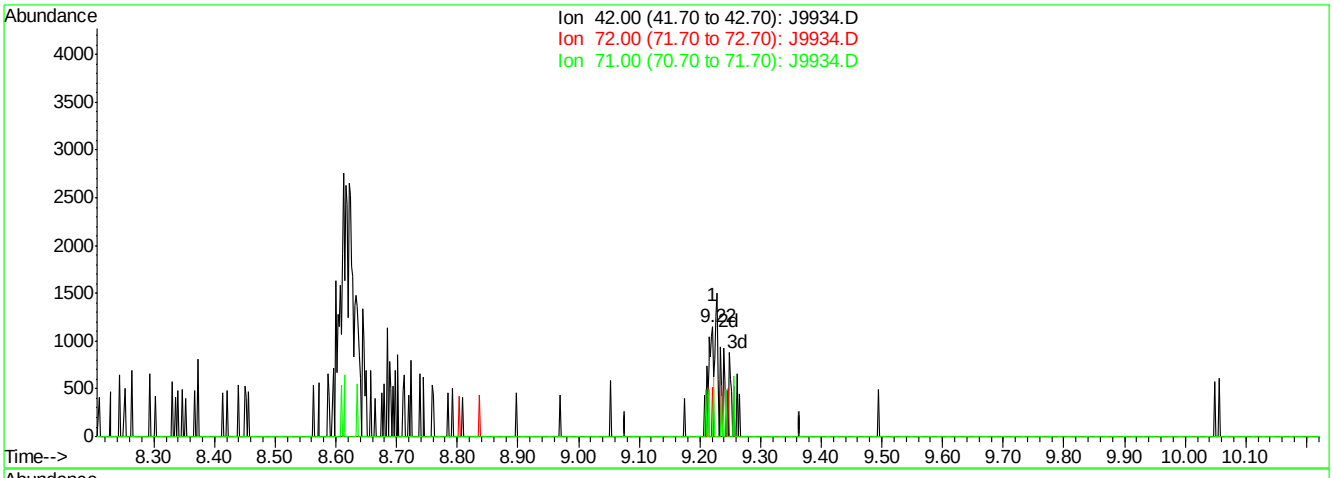
J9934.D J040407T.M Thu Apr 05 17:14:05 2007

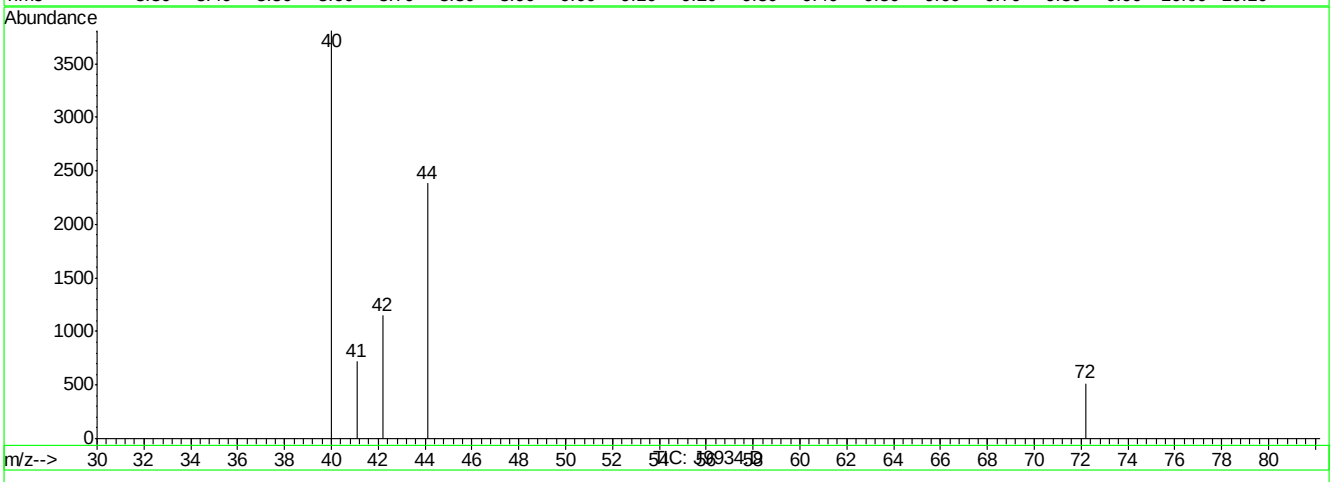
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.22min 0.04PPBV

response 754

Ion	Exp%	Act%
42.00	100	100
72.00	43.80	0.00#
71.00	42.90	7.03#
0.00	0.00	0.00

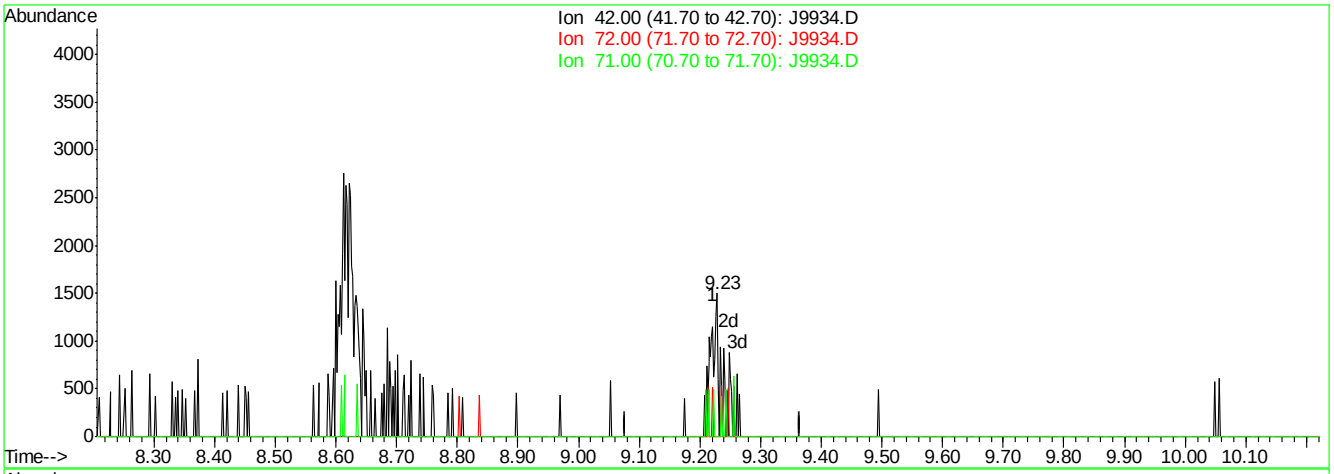
J9934.D J040407T.M Thu Apr 05 17:14:10 2007

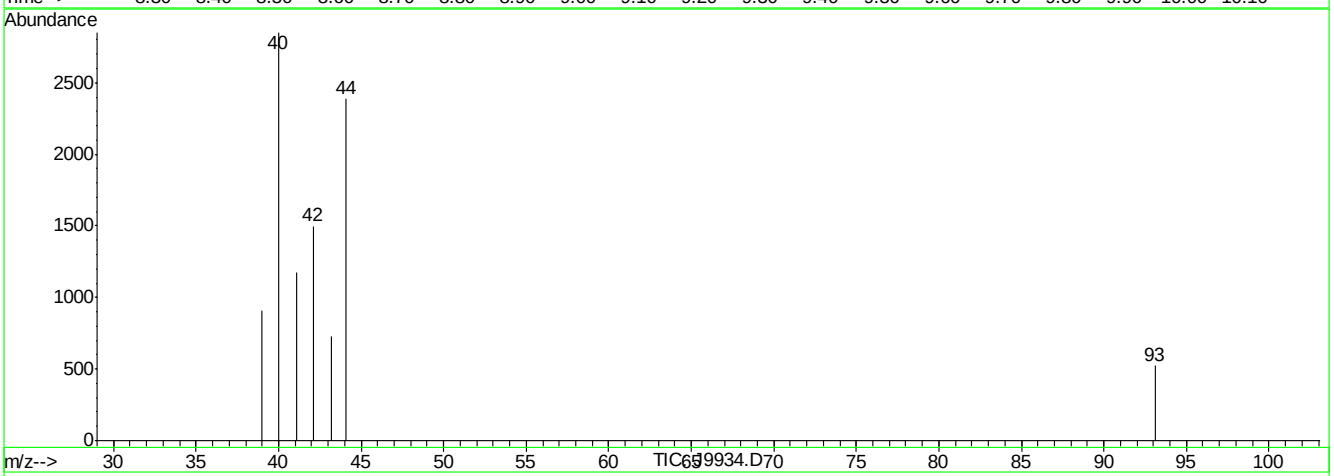
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.23min 0.10PPBV m

response 1944

Ion	Exp%	Act%
42.00	100	100
72.00	43.80	0.00#
71.00	42.90	2.73#
0.00	0.00	0.00

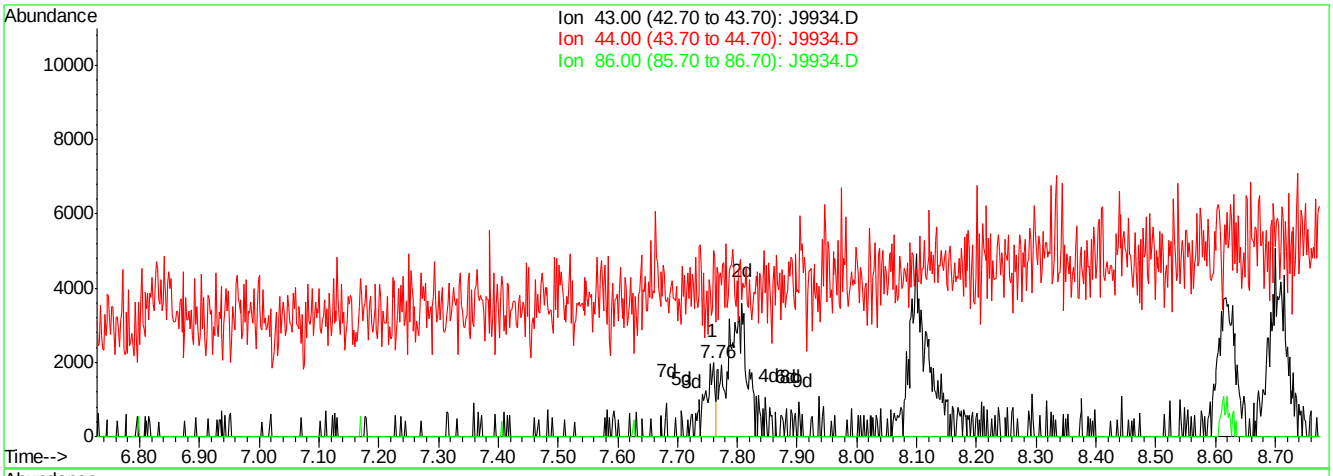
J9934.D J040407T.M Thu Apr 05 17:14:13 2007

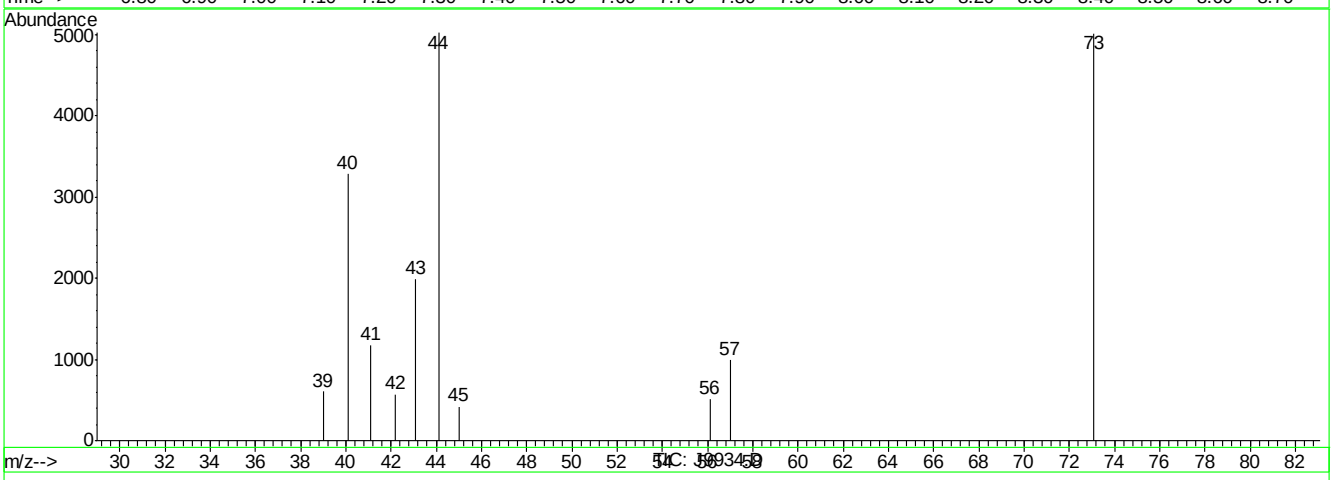
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(26) VINYL ACETATE (m)

7.76min 0.05PPBV

response 2203

Ion	Exp%	Act%
43.00	100	100
44.00	5.90	26.96#
86.00	8.50	0.00
0.00	0.00	0.00

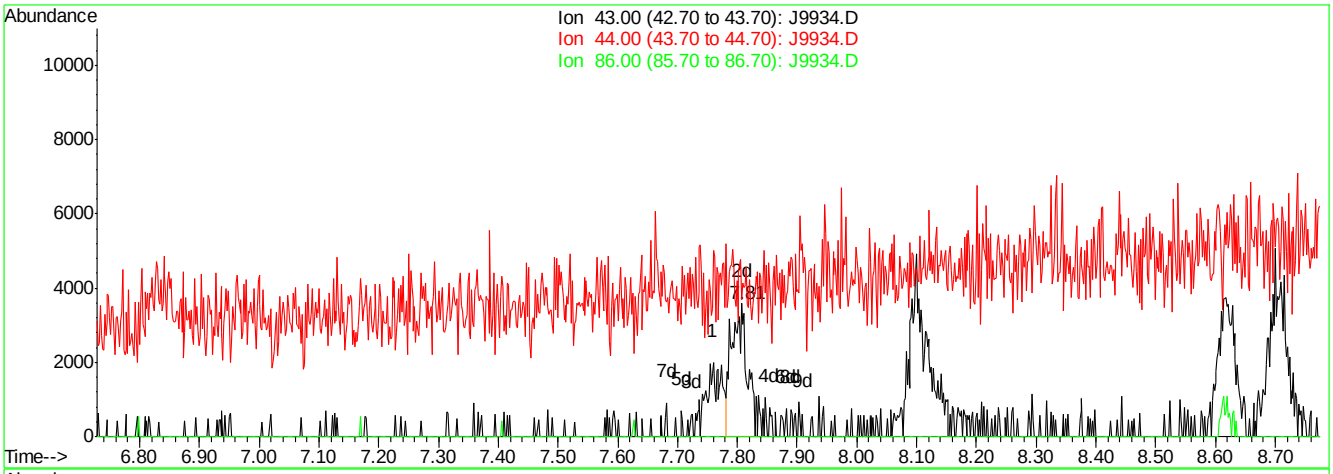
J9934.D J040407T.M Thu Apr 05 17:14:18 2007

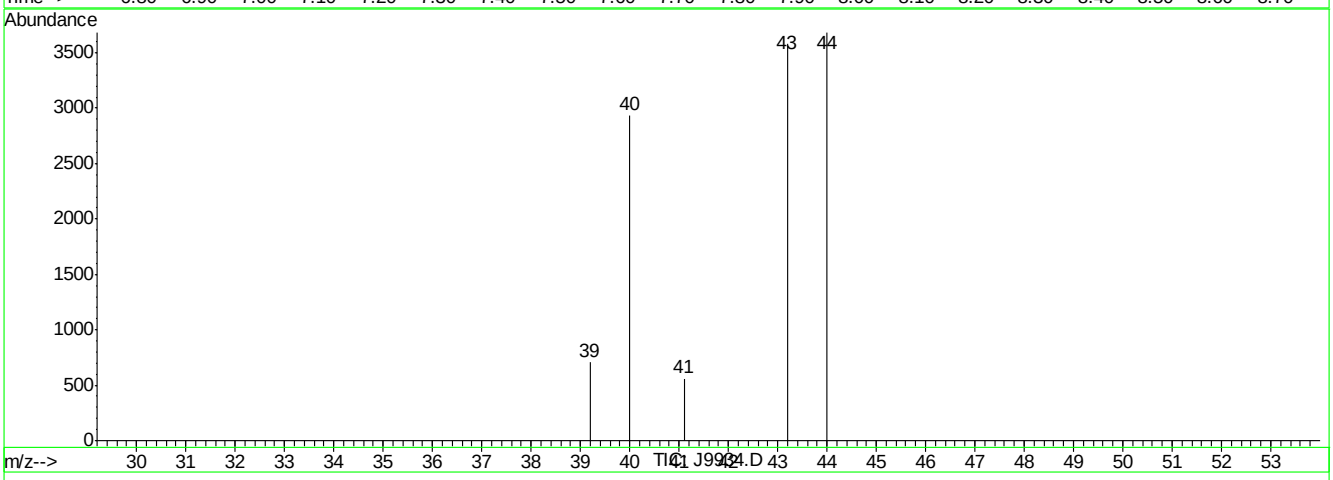
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(26) VINYL ACETATE (m)

7.81min 0.15PPBV m

response 6548

Ion	Exp%	Act%
43.00	100	100
44.00	5.90	9.07
86.00	8.50	0.00
0.00	0.00	0.00

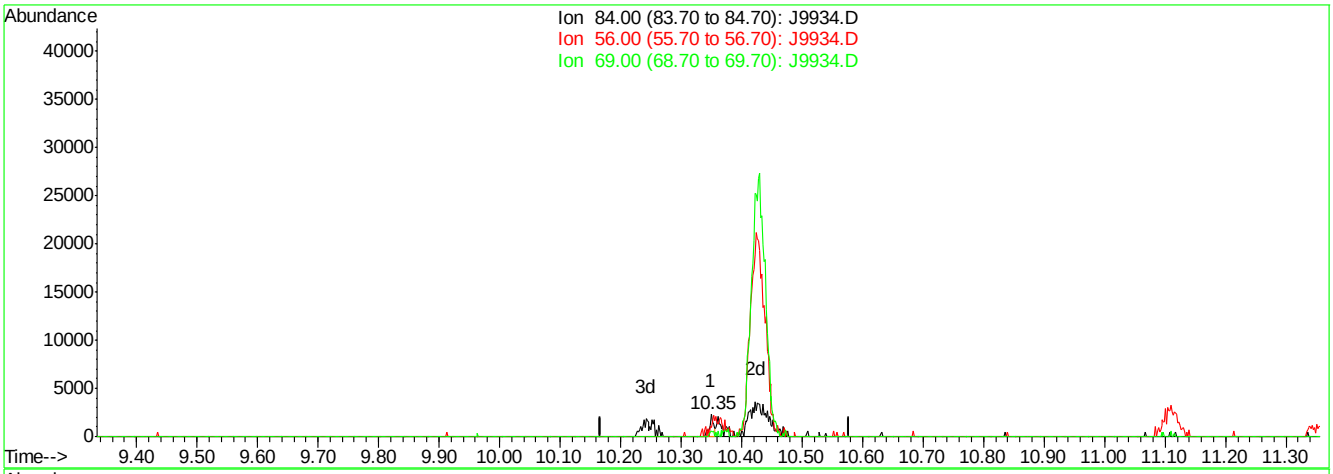
J9934.D J040407T.M Thu Apr 05 17:14:23 2007

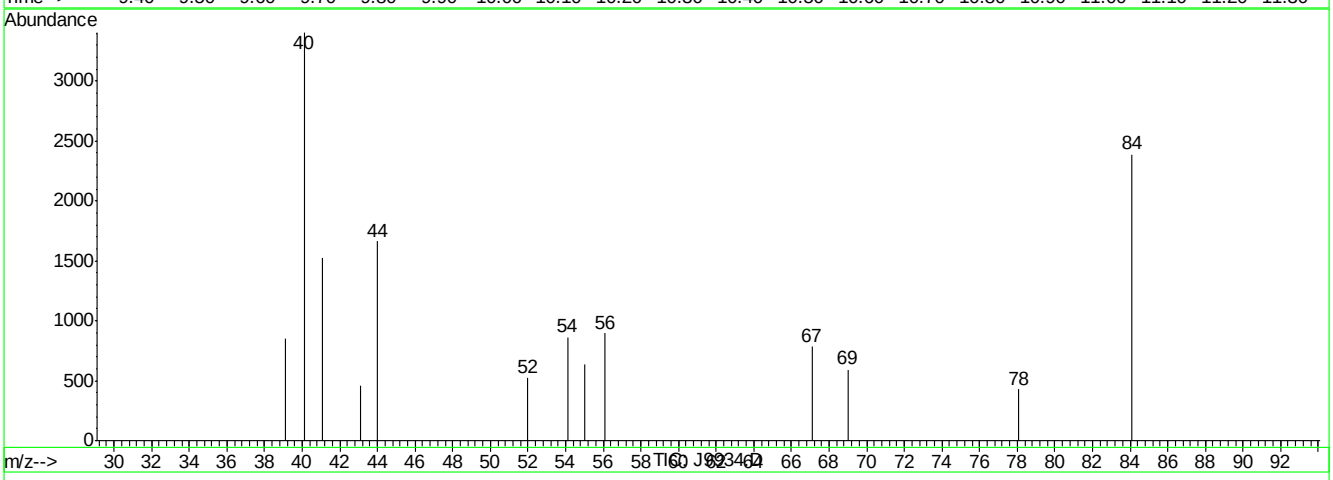
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(37) CYCLOHEXANE (m)

10.35min 0.04PPBV

response 1020

Ion	Exp%	Act%
84.00	100	100
56.00	110.80	322.25#
69.00	33.80	0.00#
0.00	0.00	0.00

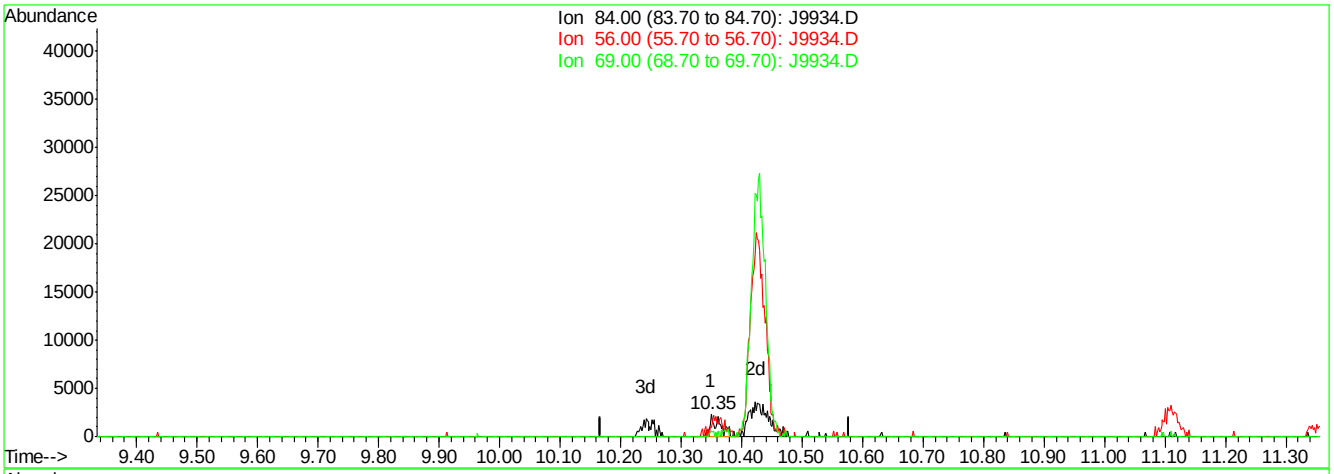
J9934.D J040407T.M Thu Apr 05 17:14:38 2007

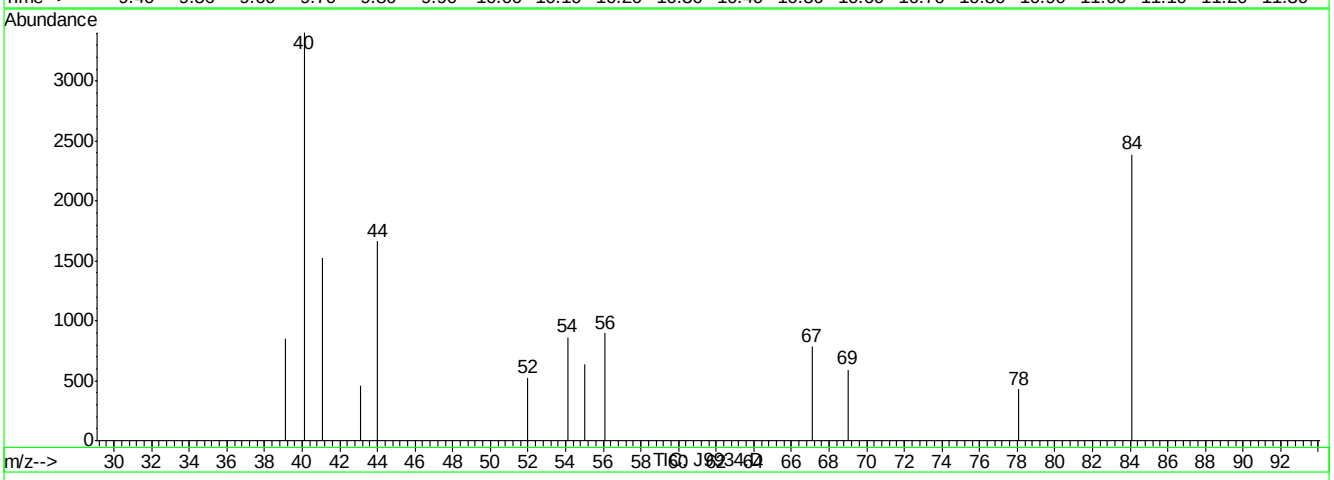
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(37) CYCLOHEXANE (m)

10.35min 0.10PPBV m

response 2606

Ion	Exp%	Act%
84.00	100	100
56.00	110.80	126.13
69.00	33.80	0.00#
0.00	0.00	0.00

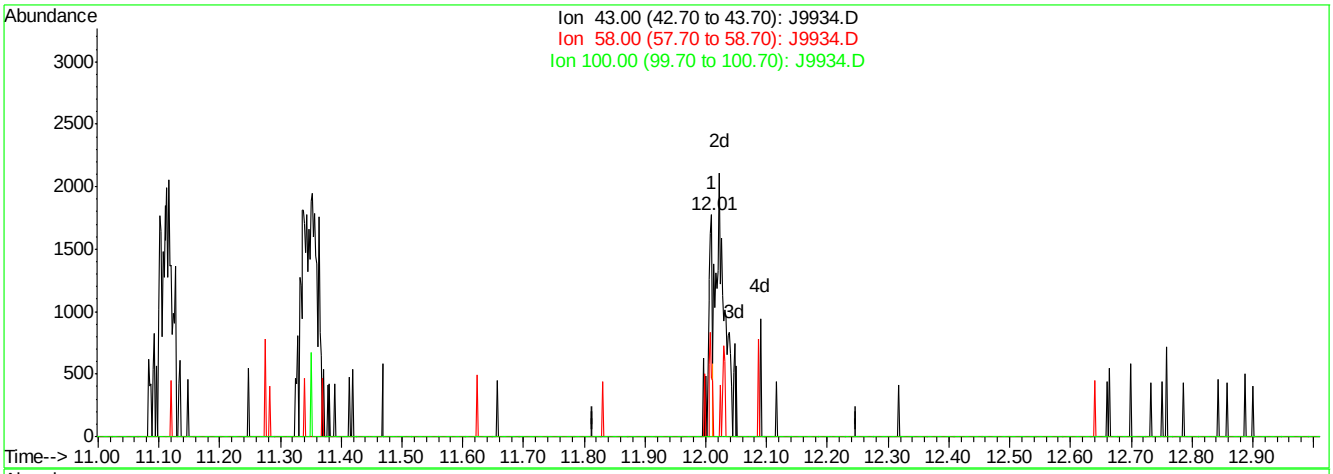
J9934.D J040407T.M Thu Apr 05 17:14:42 2007

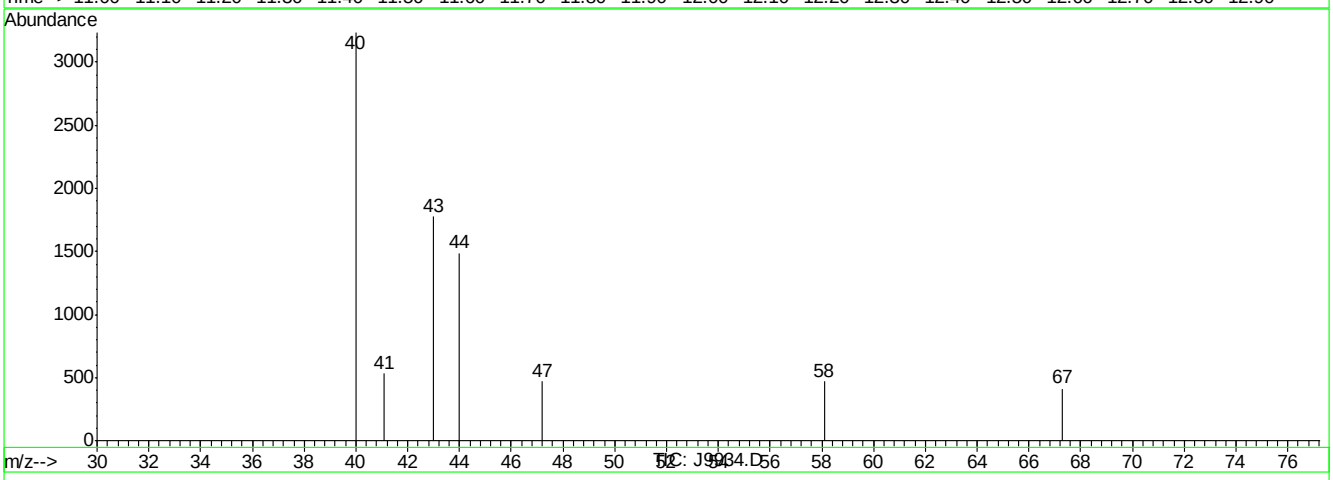
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.01min 0.02PPBV

response 777

Ion	Exp%	Act%
43.00	100	100
58.00	36.80	31.79
100.00	13.90	0.00
0.00	0.00	0.00

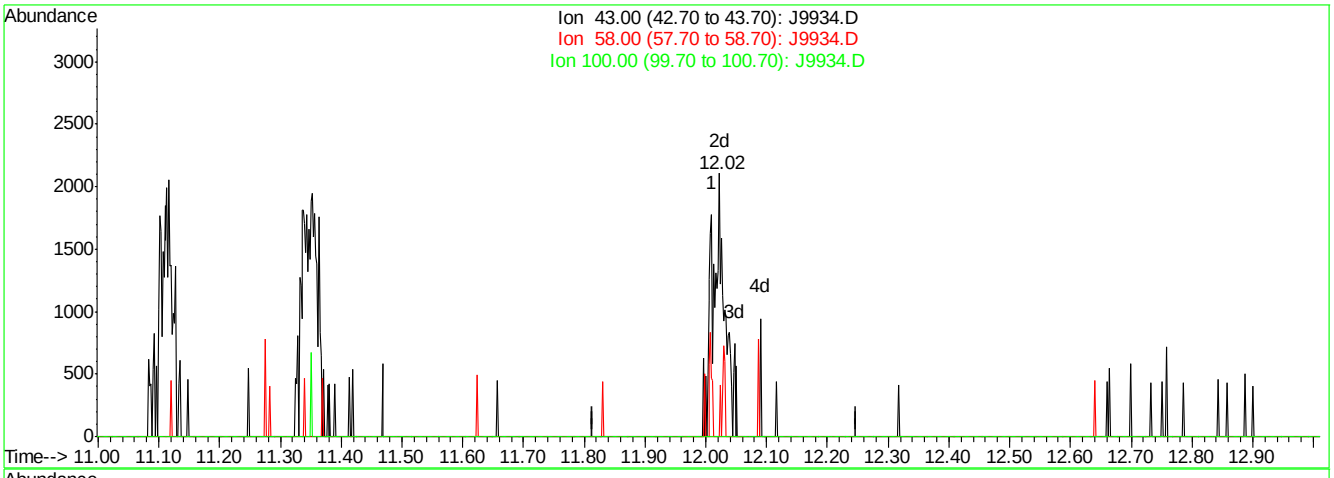
J9934.D J040407T.M Thu Apr 05 17:14:59 2007

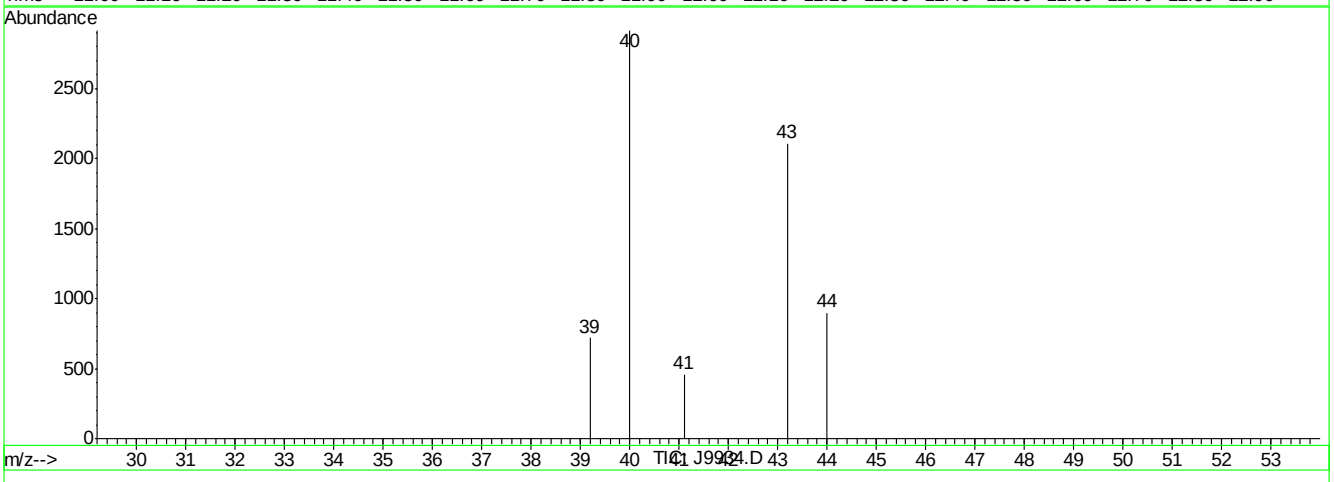
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.02min 0.07PPBV m

response 3009

Ion	Exp%	Act%
43.00	100	100
58.00	36.80	8.21#
100.00	13.90	0.00
0.00	0.00	0.00

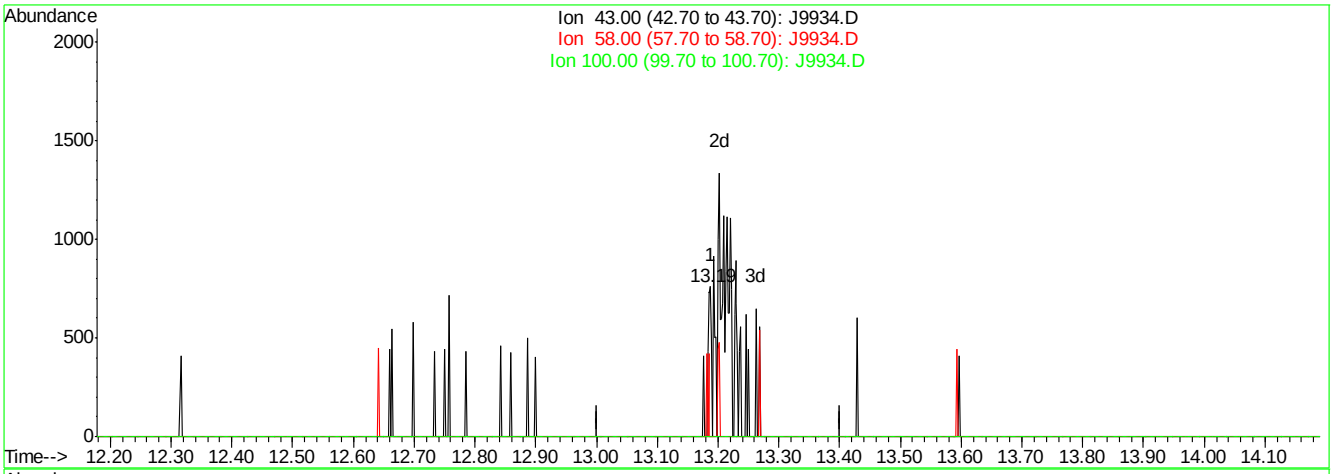
J9934.D J040407T.M Thu Apr 05 17:15:02 2007

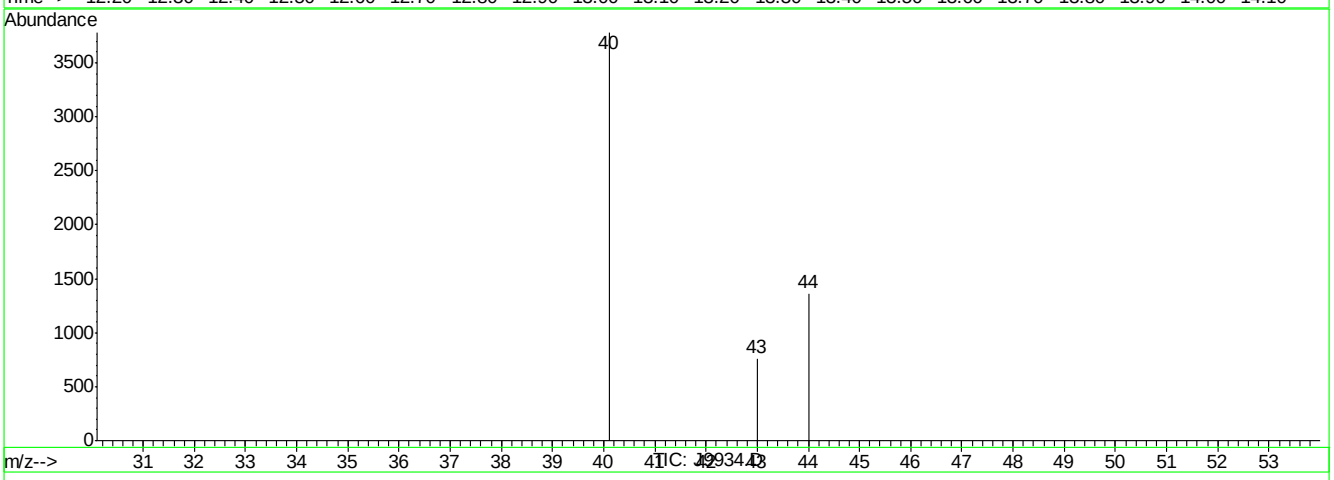
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.19min 0.01PPBV

response 334

Ion	Exp%	Act%
43.00	100	100
58.00	50.30	26.95#
100.00	9.90	0.00
0.00	0.00	0.00

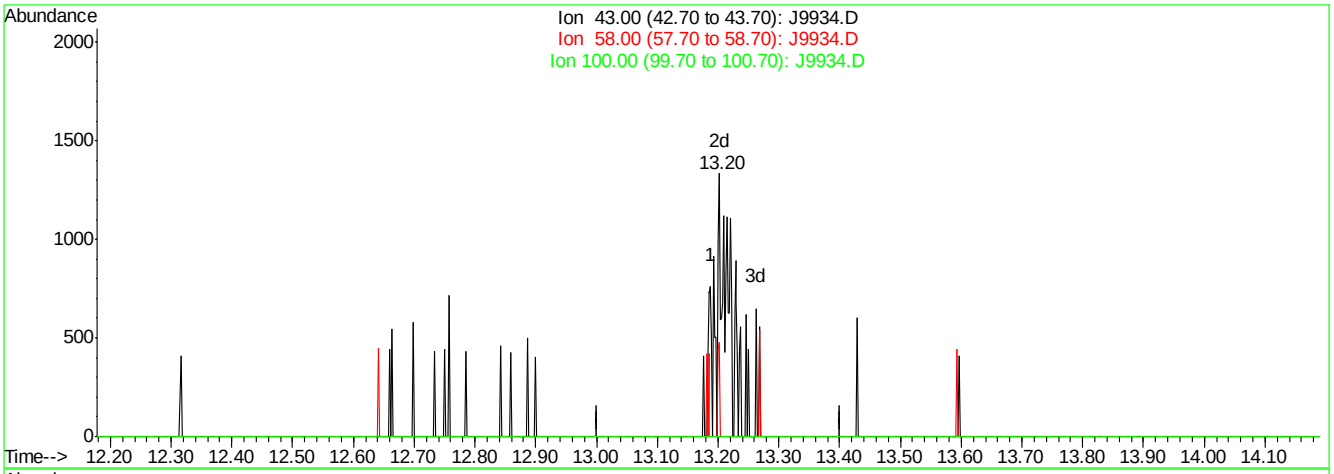
J9934.D J040407T.M Thu Apr 05 17:15:15 2007

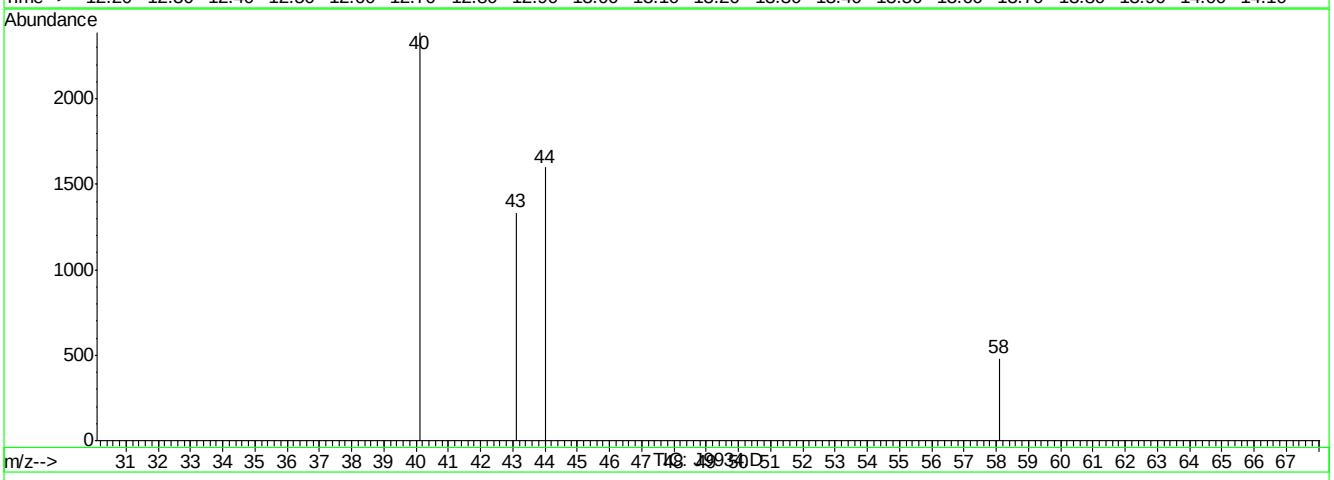
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.20min 0.07PPBV m

response 2357

Ion	Exp%	Act%
43.00	100	100
58.00	50.30	3.82#
100.00	9.90	0.00
0.00	0.00	0.00

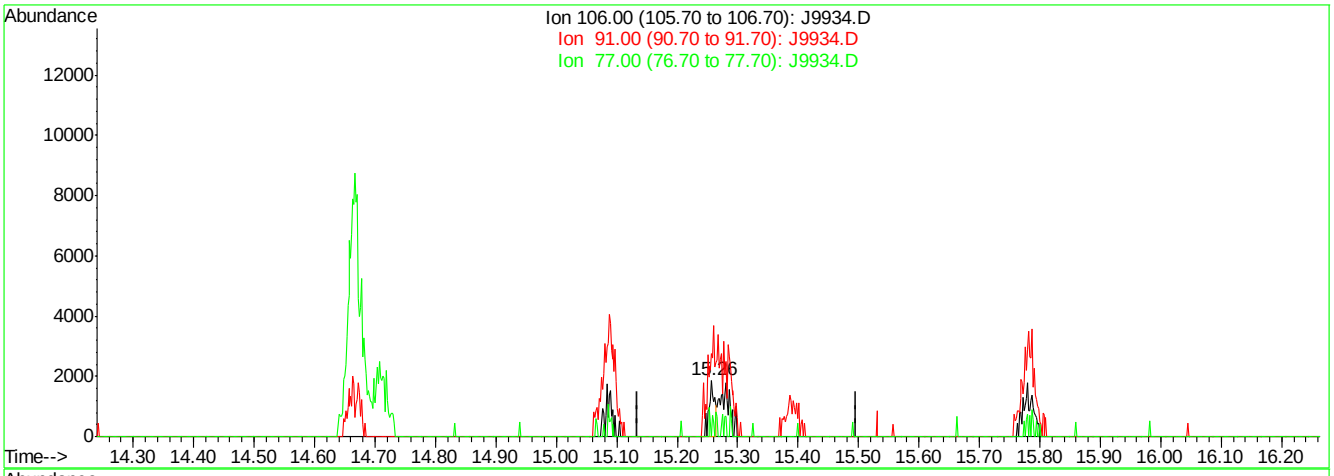
J9934.D J040407T.M Thu Apr 05 17:15:18 2007

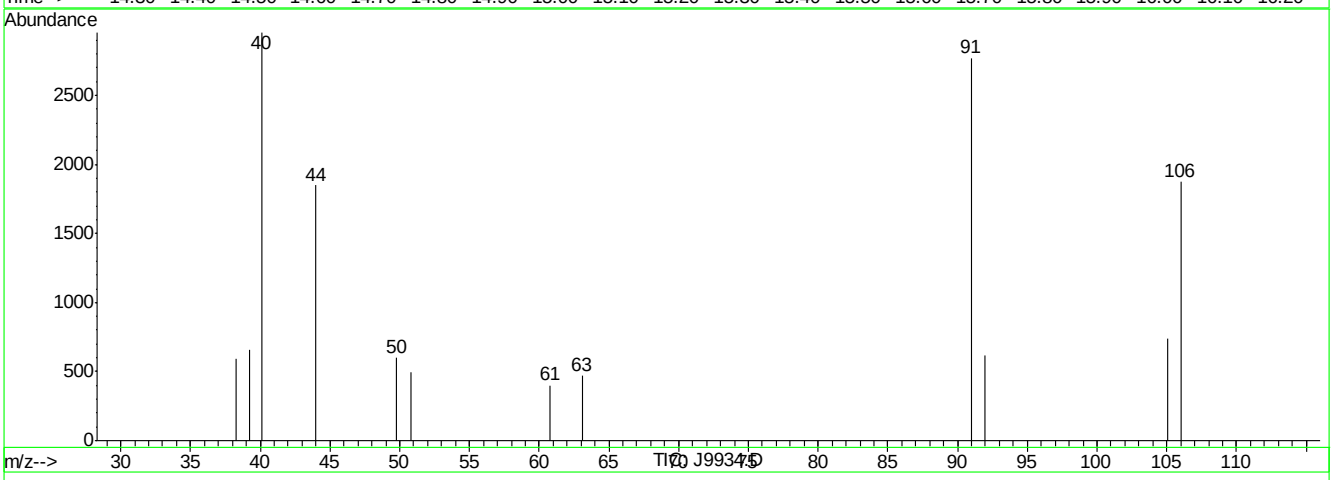
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.26min 0.04PPBV

response 1213

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	147.73#
77.00	27.10	0.00#
0.00	0.00	0.00

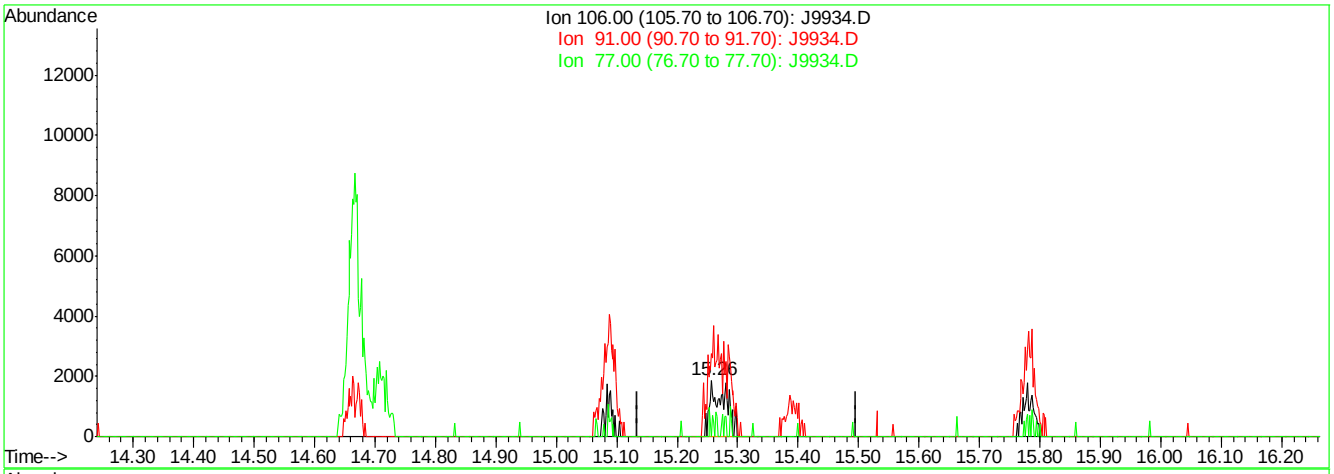
J9934.D J040407T.M Thu Apr 05 17:15:27 2007

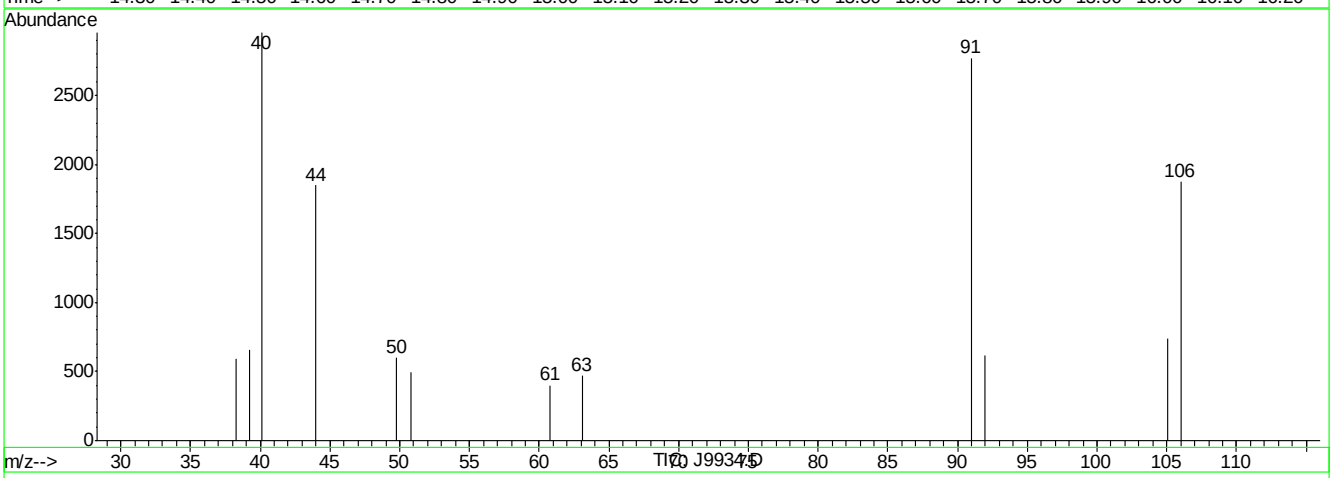
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.26min 0.10PPBV m

response 3217

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	147.73#
77.00	27.10	0.00#
0.00	0.00	0.00

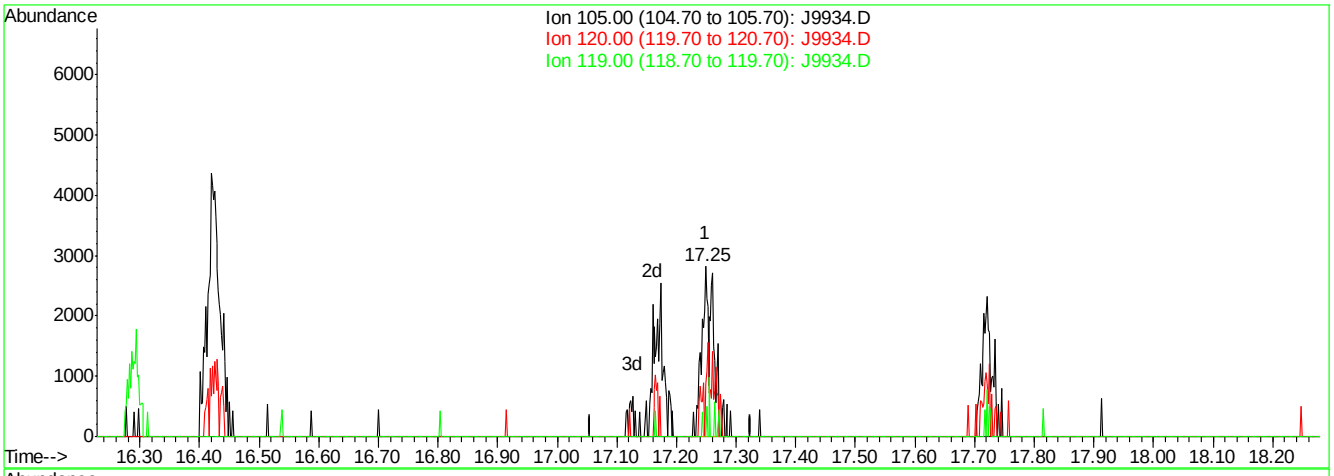
J9934.D J040407T.M Thu Apr 05 17:15:31 2007

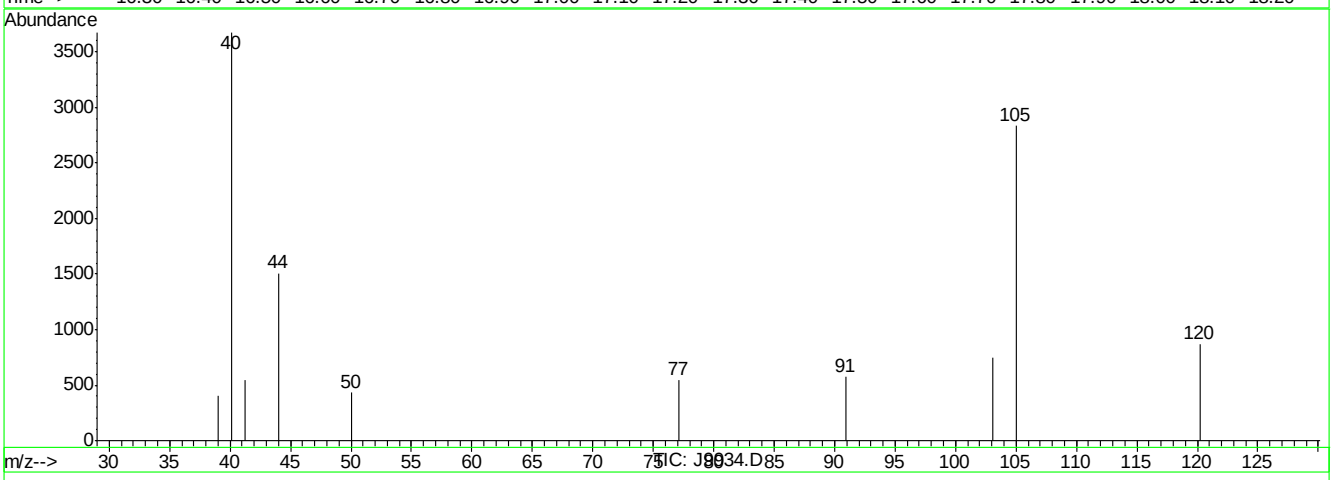
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.25min 0.05PPBV

response 3734

Ion	Exp%	Act%
105.00	100	100
120.00	44.20	34.49
119.00	11.40	4.26
0.00	0.00	0.00

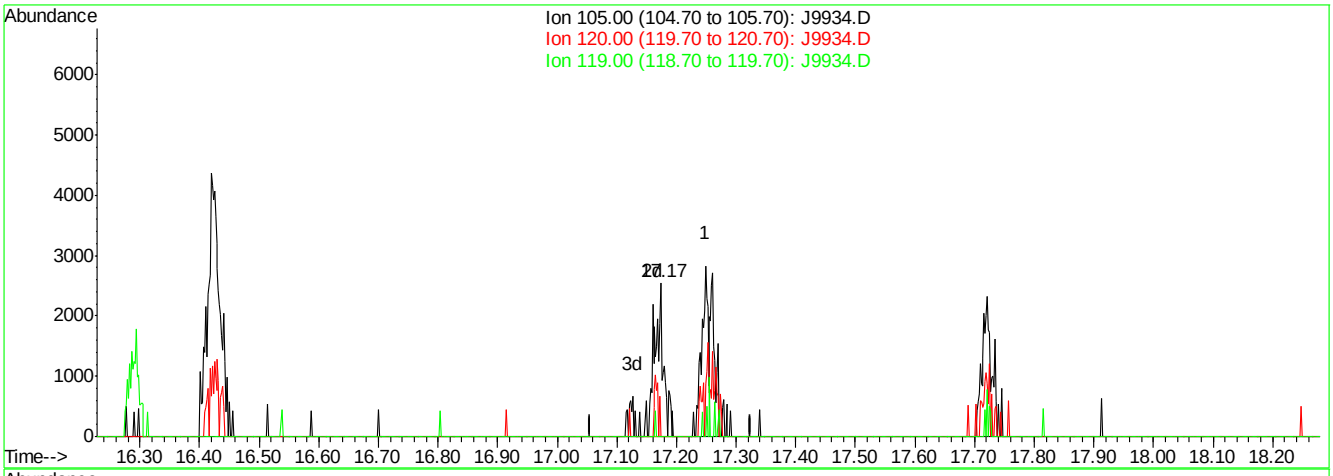
J9934.D J040407T.M Thu Apr 05 17:15:47 2007

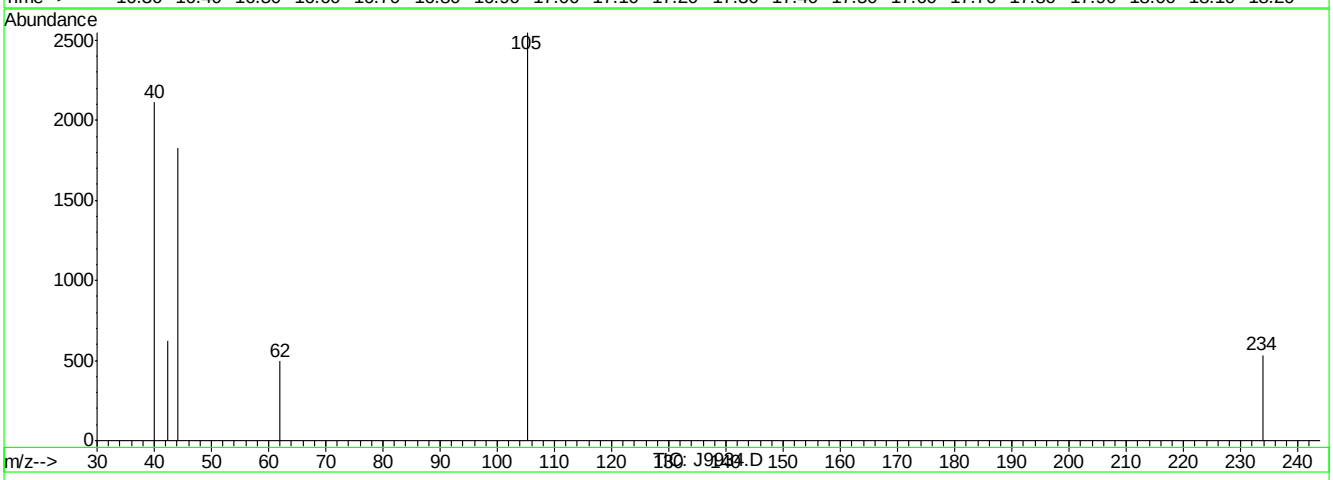
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.17min 0.03PPBV m

response 2702

Ion	Exp%	Act%
105.00	100	100
120.00	44.20	47.67
119.00	11.40	5.88
0.00	0.00	0.00

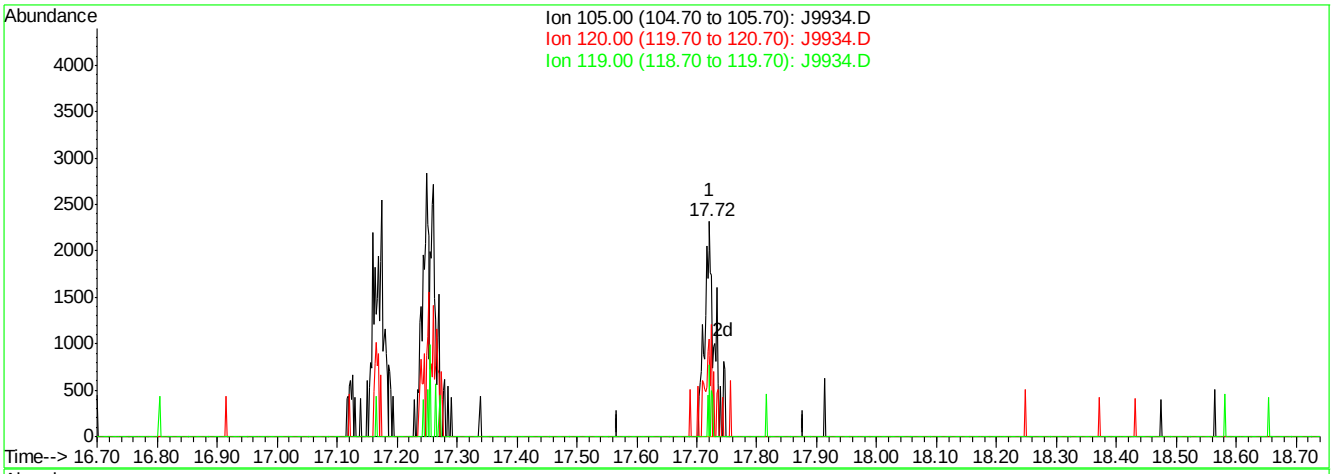
J9934.D J040407T.M Thu Apr 05 17:15:51 2007

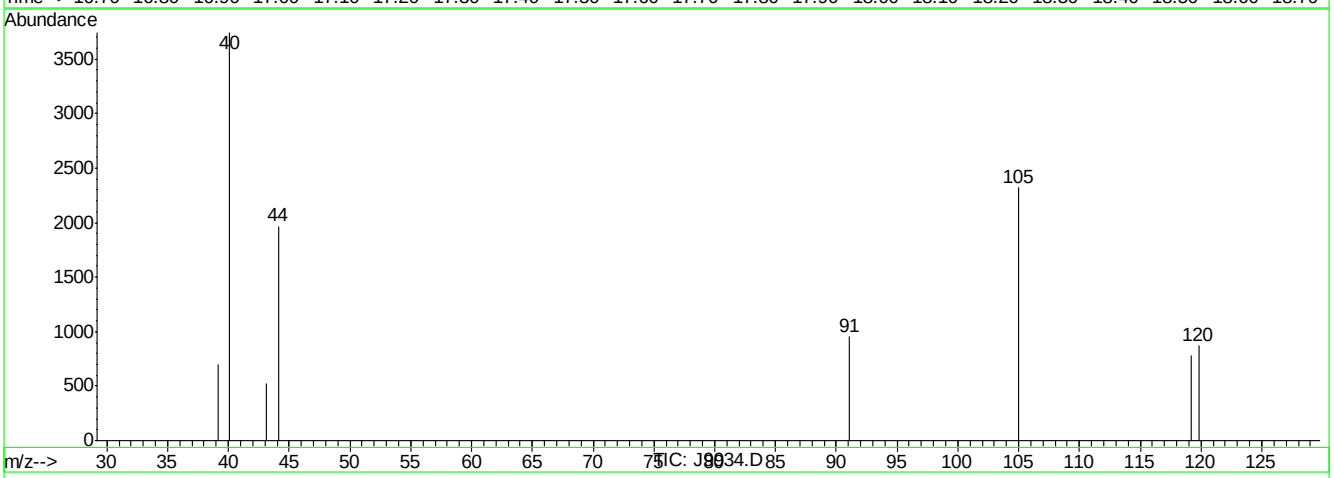
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(67) 1,2,4-TRIMETHYLBENZENE (m)

17.72min 0.03PPBV

response 2527

Ion	Exp%	Act%
105.00	100	100
120.00	44.50	36.01
119.00	11.90	7.16
0.00	0.00	0.00

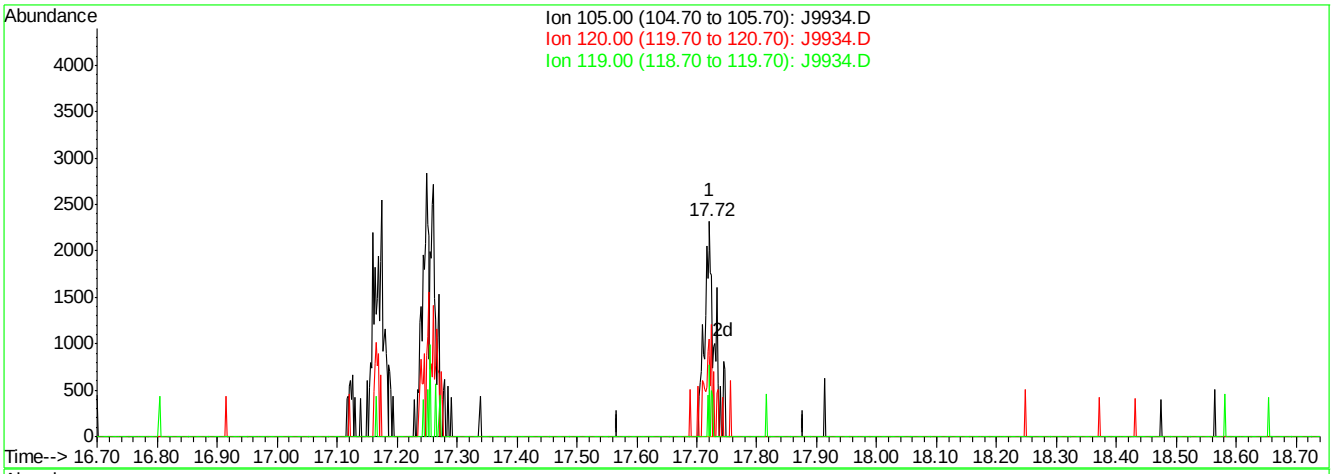
J9934.D J040407T.M Thu Apr 05 17:15:56 2007

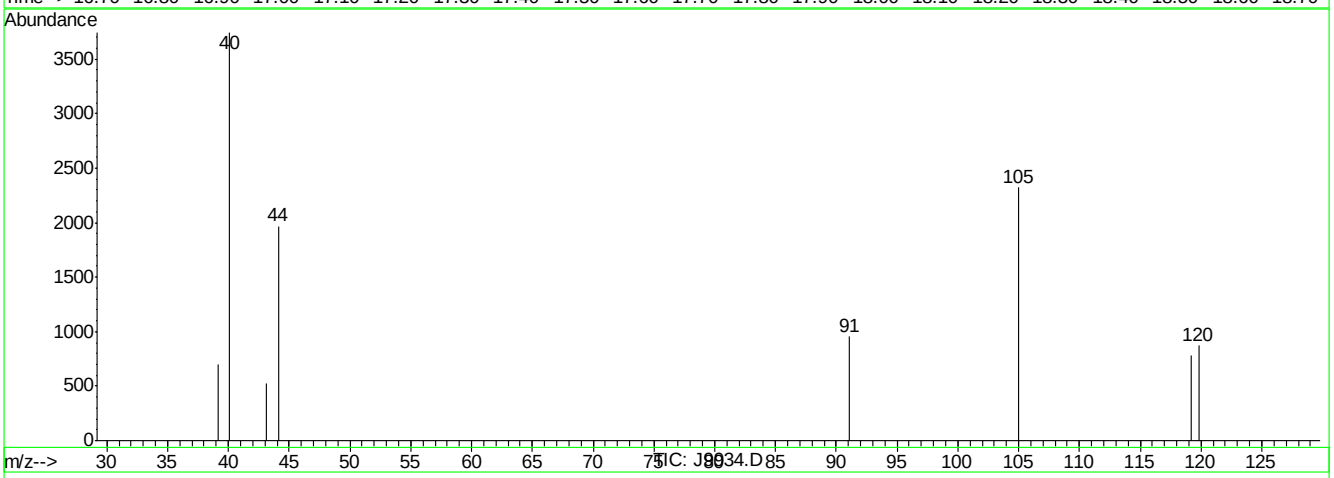
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(67) 1,2,4-TRIMETHYLBENZENE (m)

17.72min 0.03PPBV m

response 2690

Ion	Exp%	Act%
105.00	100	100
120.00	44.50	33.83
119.00	11.90	6.73
0.00	0.00	0.00

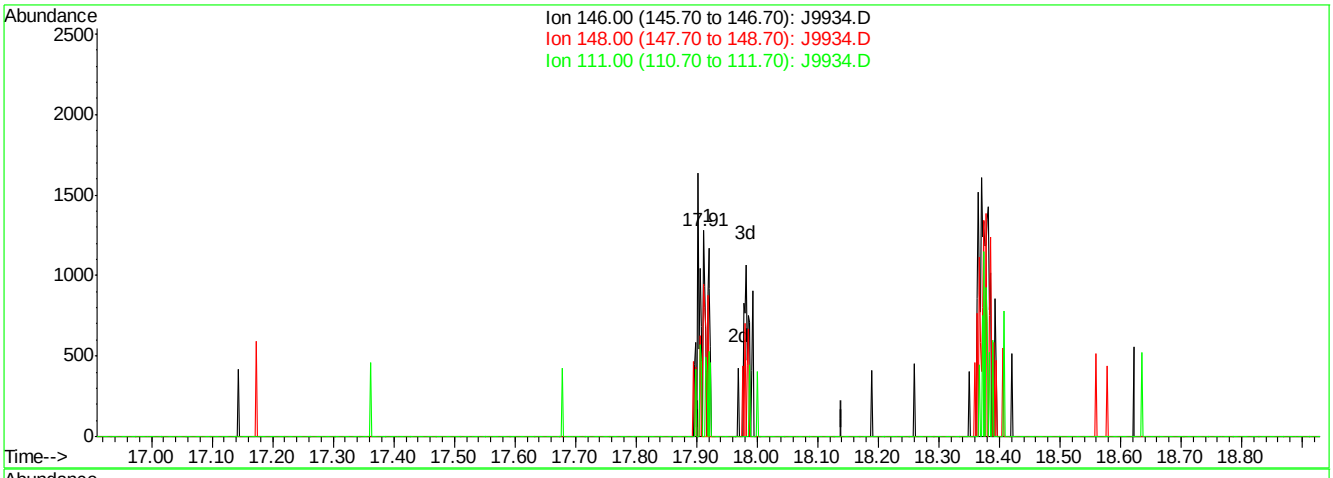
J9934.D J040407T.M Thu Apr 05 17:15:59 2007

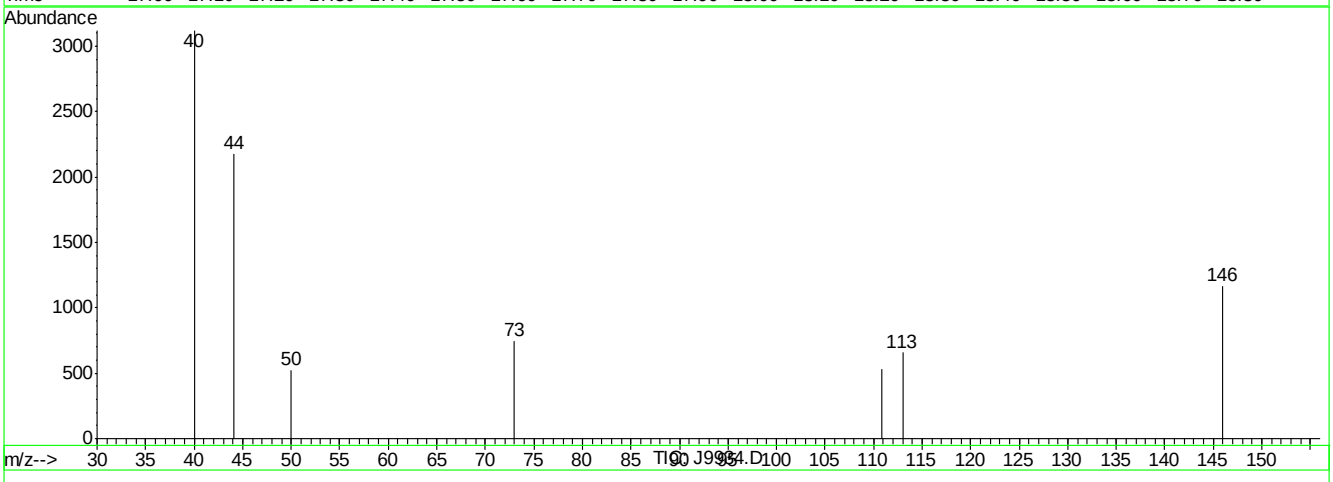
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.92min 0.02PPBV

response 676

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	68.49
111.00	36.70	29.73
0.00	0.00	0.00

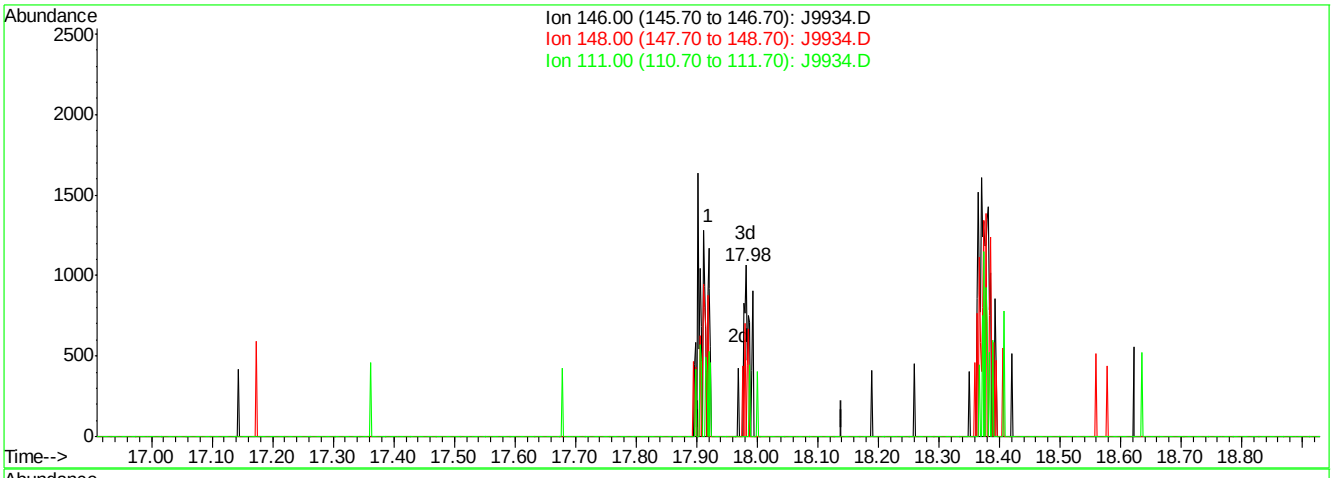
J9934.D J040407T.M Thu Apr 05 17:16:09 2007

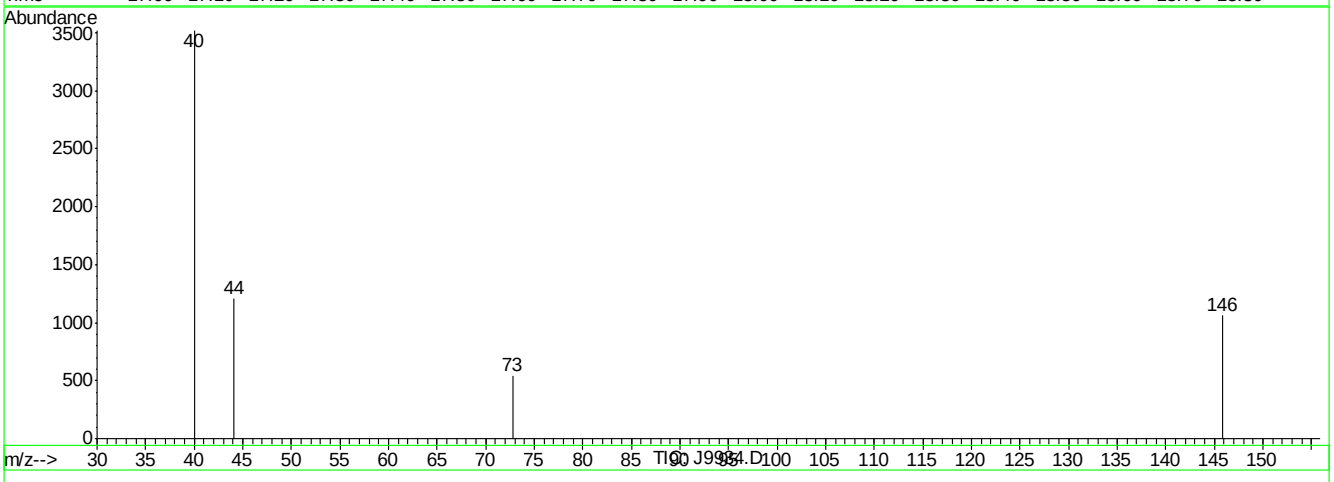
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.98min 0.02PPBV m

response 673

Ion	Exp%	Act%
146.00	100	100
148.00	59.80	68.80
111.00	36.70	29.87
0.00	0.00	0.00

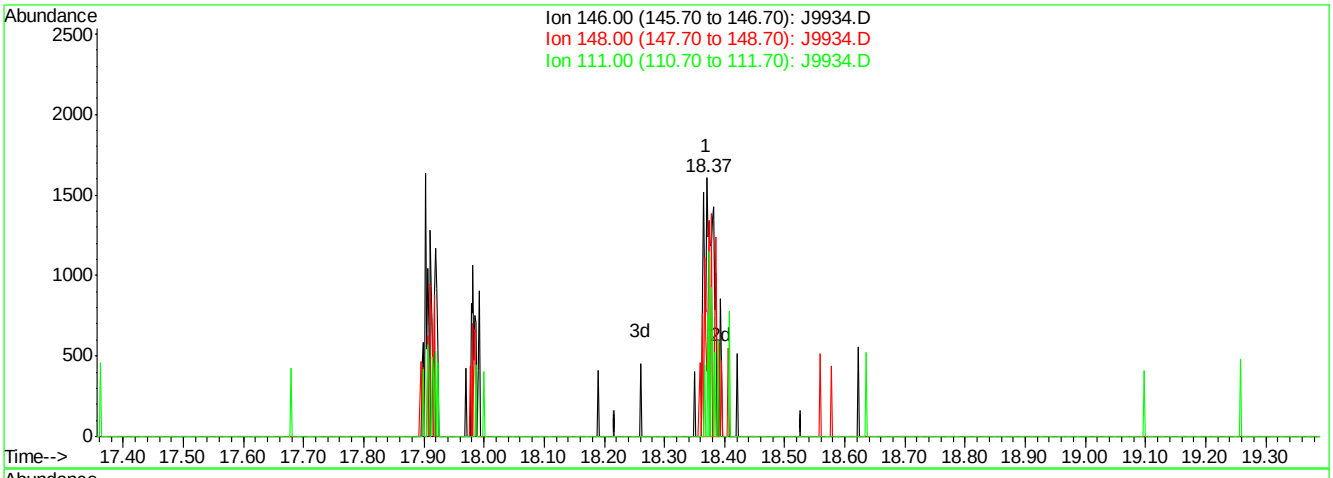
J9934.D J040407T.M Thu Apr 05 17:16:12 2007

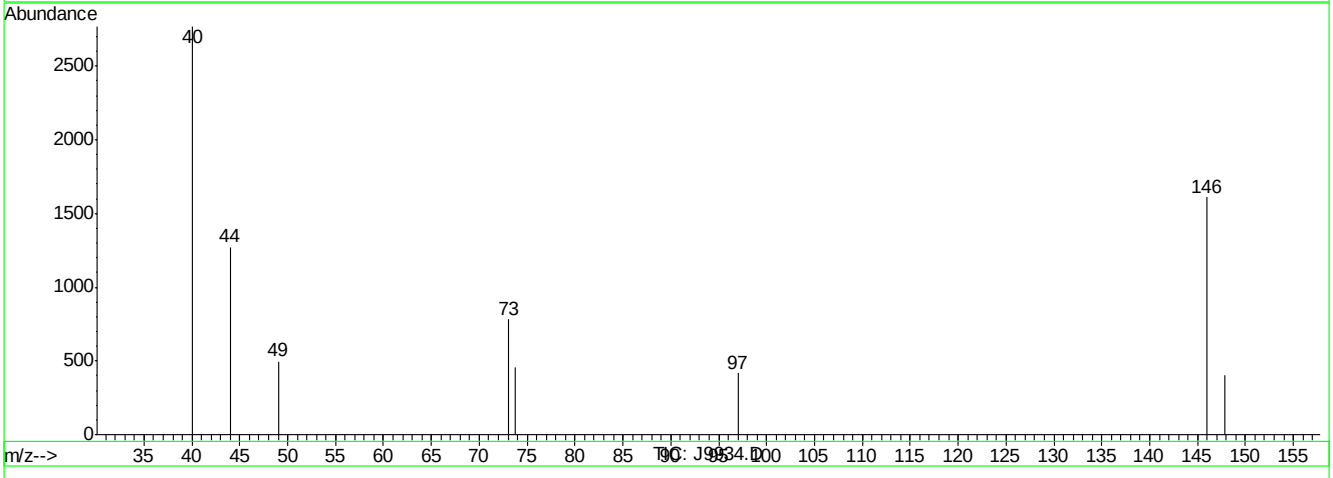
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(71) o-DICHLOROBENZENE (m)

18.37min 0.04PPBV

response 1750

Ion	Exp%	Act%
146.00	100	100
148.00	62.80	0.00#
111.00	41.50	7.31#
0.00	0.00	0.00

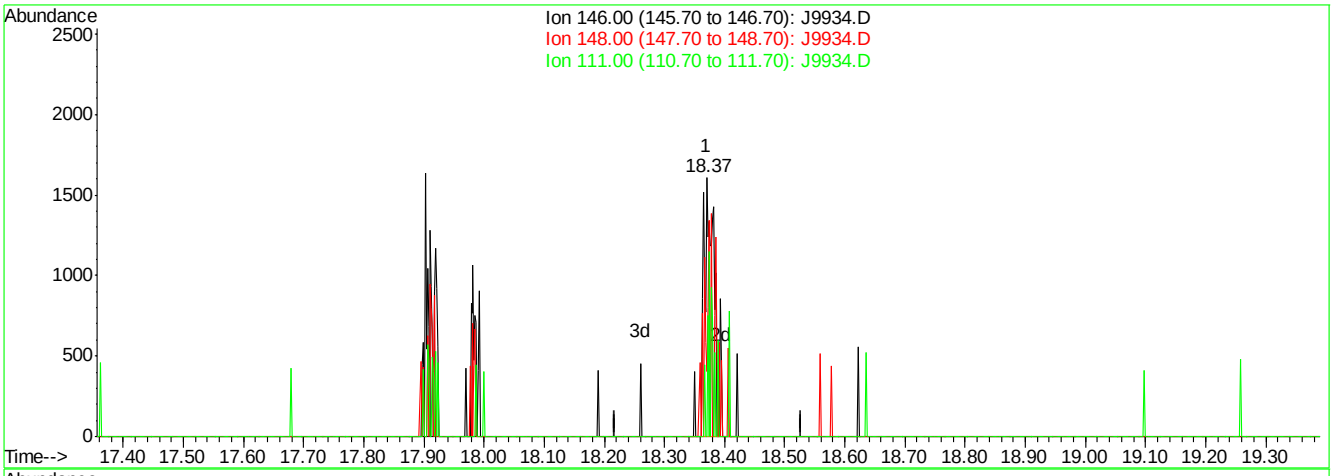
J9934.D J040407T.M Thu Apr 05 17:16:16 2007

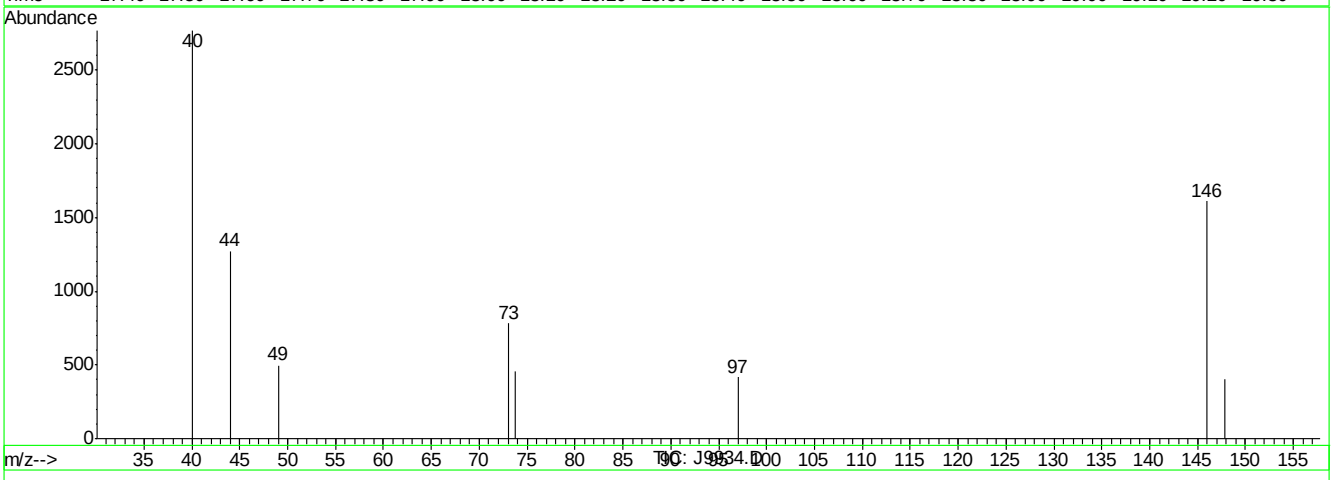
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9934.D Vial: 3
Acq On : 5 Apr 2007 4:45 pm Operator: PhilipB
Sample : IC513-.2 (M024) Inst : MSJ
Misc : MS13316, MSJ513,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 05 17:11:24 2007 Results File: J040407T.RES

Method : C:\MSDCHEM\1\METHODS\J040407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 05 16:39:03 2007
Response via : Multiple Level Calibration





(71) o-DICHLOROBENZENE (m)

18.37min 0.04PPBV m

response 1984

Ion	Exp%	Act%
146.00	100	100
148.00	62.80	0.00#
111.00	41.50	6.45#
0.00	0.00	0.00

J9934.D J040407T.M Thu Apr 05 17:16:19 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9935.D
Acq On : 5 Apr 2007 5:39 pm
Operator : PhilipB
Sample : ICV513-10 (M119)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 09:40:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	532880	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1348725	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1134866	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	381575	5.61	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 112.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1161069	9.61	PPBV	99
3) PROPYLENE	3.99	41	222346	11.67	PPBV	88
4) FREON 114	4.33	85	1001009	9.82	PPBV	89
5) CHLOROMETHANE	4.23	50	290194	10.64	PPBV	100
6) VINYL CHLORIDE	4.45	62	314488	11.04	PPBV	94
7) 1,3-BUTADIENE	4.58	39	285269	12.10	PPBV	90
8) BROMOMETHANE	4.86	94	314372	9.94	PPBV	98
9) CHLOROETHANE	5.03	64	140098	10.66	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.80	101	1234726	9.44	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	390157	9.32	PPBV	86
12) ACETONE	5.65	43	416810	9.99	PPBV	94
13) PENTANE	6.14	42	322597	10.76	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.43	96	311243	10.23	PPBV	91
15) CARBON DISULFIDE	6.85	76	1003770	10.25	PPBV	96
16) ETHANOL	5.18	45	62875	9.00	PPBV	87
17) BROMOETHENE	5.39	106	296673	10.18	PPBV #	97
18) METHYLENE CHLORIDE	6.55	84	299826	7.98	PPBV	90
19) 3-CHLOROPROPENE	6.66	39	303095	10.19	PPBV	94
20) FREON 113	6.80	151	648698	9.36	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	345851	10.31	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.51	59	510047	9.85	PPBV #	70
23) METHYL TERTIARY BUTYL ETHE	7.73	73	712259	9.97	PPBV	97
24) TETRAHYDROFURAN	9.18	42	225873	11.61	PPBV	87
25) HEXANE	8.63	57	425665	9.46	PPBV	90
26) VINYL ACETATE	7.80	43	475830	10.20	PPBV	96
27) 1,1-DICHLOROETHANE	7.66	63	620652	10.01	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	479591	9.18	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	388205	10.39	PPBV	99
30) ETHYL ACETATE	8.69	43	521948	9.71	PPBV	99
31) CHLOROFORM	8.75	83	1040275	10.04	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	769883	9.54	PPBV	97
33) CARBON TETRACHLORIDE	10.26	117	967843	9.61	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	409656	10.03	PPBV	99
36) BENZENE	10.13	78	625273	10.34	PPBV	96
37) CYCLOHEXANE	10.37	84	301104	11.38	PPBV	88
38) TRICHLOROETHYLENE	11.12	95	372705	11.42	PPBV	94
39) 1,2-DICHLOROPROPANE	10.90	63	233052	10.49	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	677009	9.74	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1291951	11.74	PPBV	97
42) 1,4-DIOXANE	11.17	88	103833	8.85	PPBV	81
43) HEPTANE	11.36	43	428754	12.26	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9935.D
Acq On : 5 Apr 2007 5:39 pm
Operator : PhilipB
Sample : ICV513-10 (M119)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 09:40:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

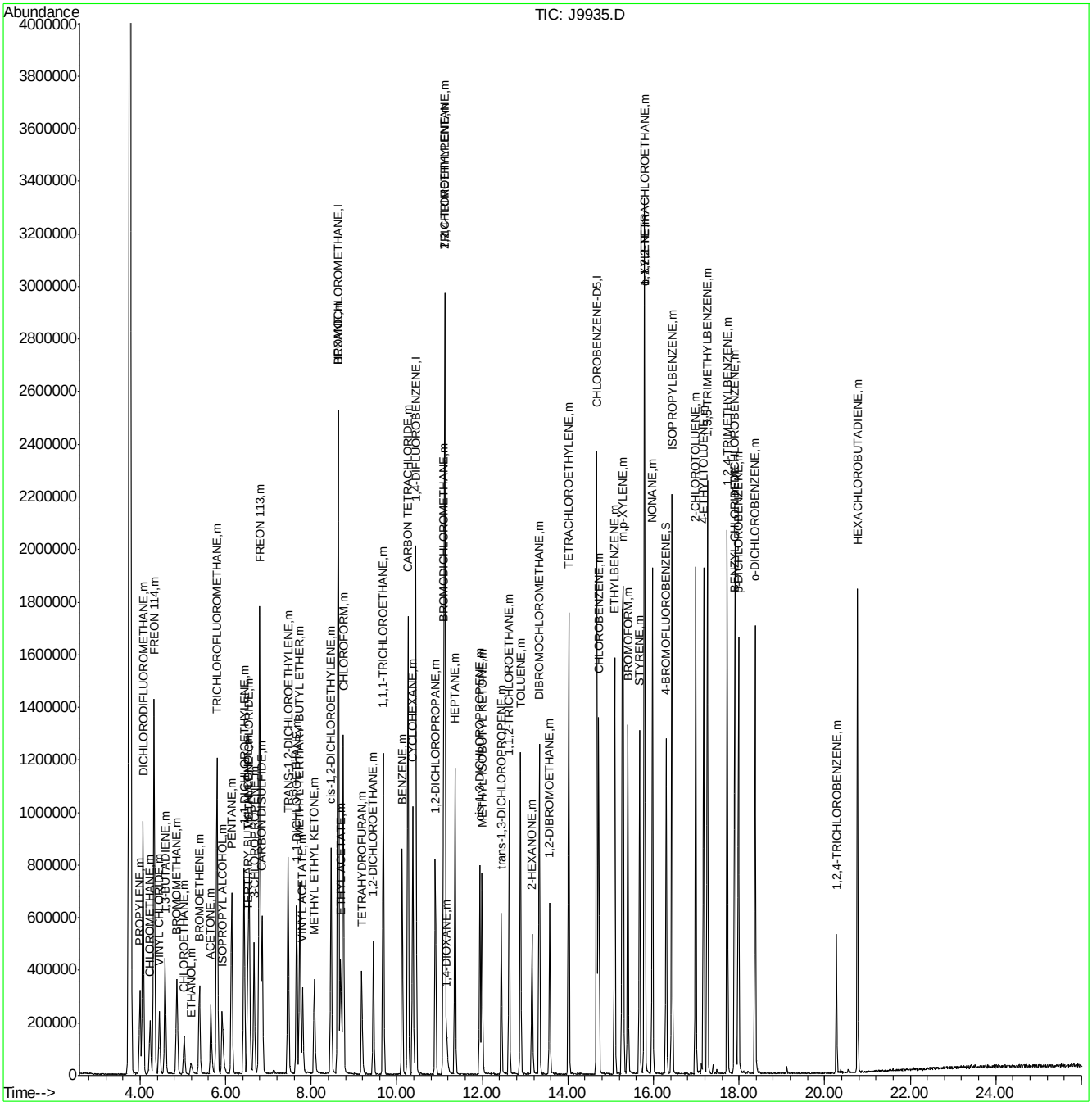
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	544609	9.97	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.94	75	337289	9.20	PPBV	88
46) TOLUENE	12.89	92	426887	8.66	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.45	75	271547	8.81	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.63	83	244342	10.47	PPBV	97
50) 2-HEXANONE	13.16	43	410242	9.15	PPBV	88
51) TETRACHLOROETHYLENE	14.02	164	295256	10.11	PPBV	94
52) DIBROMOCHLOROMETHANE	13.33	129	598699	9.30	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	408227	8.29	PPBV	99
54) CHLOROBENZENE	14.72	112	598483	10.76	PPBV	96
55) ETHYLBENZENE	15.09	91	1003595	9.76	PPBV	96
56) m,p-XYLENE	15.29	106	804795	19.49	PPBV	88
57) o-XYLENE	15.79	106	448496	9.53	PPBV	90
58) STYRENE	15.67	104	525125	9.60	PPBV	96
59) NONANE	15.97	43	687322	10.46	PPBV	92
60) BROMOFORM	15.40	173	549383	9.08	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	773658	11.32	PPBV	98
63) ISOPROPYLBENZENE	16.43	105	1310295	9.51	PPBV	97
64) 2-CHLOROTOLUENE	16.98	91	926322	9.63	PPBV	97
65) 4-ETHYLTOLUENE	17.17	105	1056921	9.44	PPBV	75
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1069938	9.34	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	981791	9.28	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	610936	9.39	PPBV	99
69) BENZYL CHLORIDE	17.89	91	543899	9.50	PPBV	98
70) p-DICHLOROBENZENE	17.99	146	551657	9.36	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	535792	9.18	PPBV	97
72) HEXACHLOROBUTADIENE	20.77	225	209902	8.56	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	106495	8.83	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9935.D
Acq On : 5 Apr 2007 5:39 pm
Operator : PhilipB
Sample : ICV513-10 (M119)
Misc : MS13316, MSJ513,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 09:40:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64501

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
04/12/07 16:08

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9973.D
Acq On : 10 Apr 2007 1:53 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 09:01:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	418848	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1033770	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	832802	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	250090	5.01	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 100.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	970860	10.22	PPBV	98
3) PROPYLENE	3.99	41	187432	12.52	PPBV	99
4) FREON 114	4.31	85	840983	10.50	PPBV	89
5) CHLOROMETHANE	4.23	50	250064	11.66	PPBV	95
6) VINYL CHLORIDE	4.44	62	252129	11.26	PPBV	99
7) 1,3-BUTADIENE	4.57	39	235628	12.72	PPBV	86
8) BROMOMETHANE	4.85	94	251786	10.13	PPBV	98
9) CHLOROETHANE	5.02	64	111973	10.84	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.78	101	1041650	10.13	PPBV	99
11) ISOPROPYL ALCOHOL	5.90	45	324607	9.89	PPBV	77
12) ACETONE	5.63	43	383621	11.80	PPBV	92
13) PENTANE	6.12	42	252243	10.70	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.41	96	235390	9.84	PPBV	88
15) CARBON DISULFIDE	6.83	76	765293	9.94	PPBV	94
16) ETHANOL	5.18	45	58189	10.77	PPBV	99
17) BROMOETHENE	5.37	106	230386	10.06	PPBV #	96
18) METHYLENE CHLORIDE	6.53	84	236157	7.99	PPBV	88
19) 3-CHLOROPROPENE	6.64	39	245925	10.52	PPBV	90
20) FREON 113	6.77	151	528843	9.70	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	262196	9.94	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.50	59	392267	9.64	PPBV #	63
23) METHYL TERTIARY BUTYL ETHE	7.72	73	568682	10.13	PPBV	93
24) TETRAHYDROFURAN	9.16	42	201515	13.18	PPBV	85
25) HEXANE	8.62	57	300330	8.49	PPBV	86
26) VINYL ACETATE	7.78	43	350048	9.54	PPBV	96
27) 1,1-DICHLOROETHANE	7.64	63	470752	9.66	PPBV	94
28) METHYL ETHYL KETONE	8.05	43	383965	9.35	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.45	96	299736	10.21	PPBV	97
30) ETHYL ACETATE	8.68	43	405374	9.59	PPBV	99
31) CHLOROFORM	8.73	83	835333	10.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	650388	10.25	PPBV	96
33) CARBON TETRACHLORIDE	10.25	117	835756	10.56	PPBV	99
34) 1,2-DICHLOROETHANE	9.44	62	351422	10.94	PPBV	99
36) BENZENE	10.11	78	514586	11.10	PPBV	96
37) CYCLOHEXANE	10.36	84	242335	11.95	PPBV	88
38) TRICHLOROETHYLENE	11.11	95	316394	12.65	PPBV	94
39) 1,2-DICHLOROPROPANE	10.89	63	204632	12.01	PPBV	100
40) BROMODICHLOROMETHANE	11.08	83	592713	11.13	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	1056519	12.52	PPBV	96
42) 1,4-DIOXANE	11.16	88	89644	9.86	PPBV	88
43) HEPTANE	11.35	43	365031	13.62	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9973.D
Acq On : 10 Apr 2007 1:53 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 09:01:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

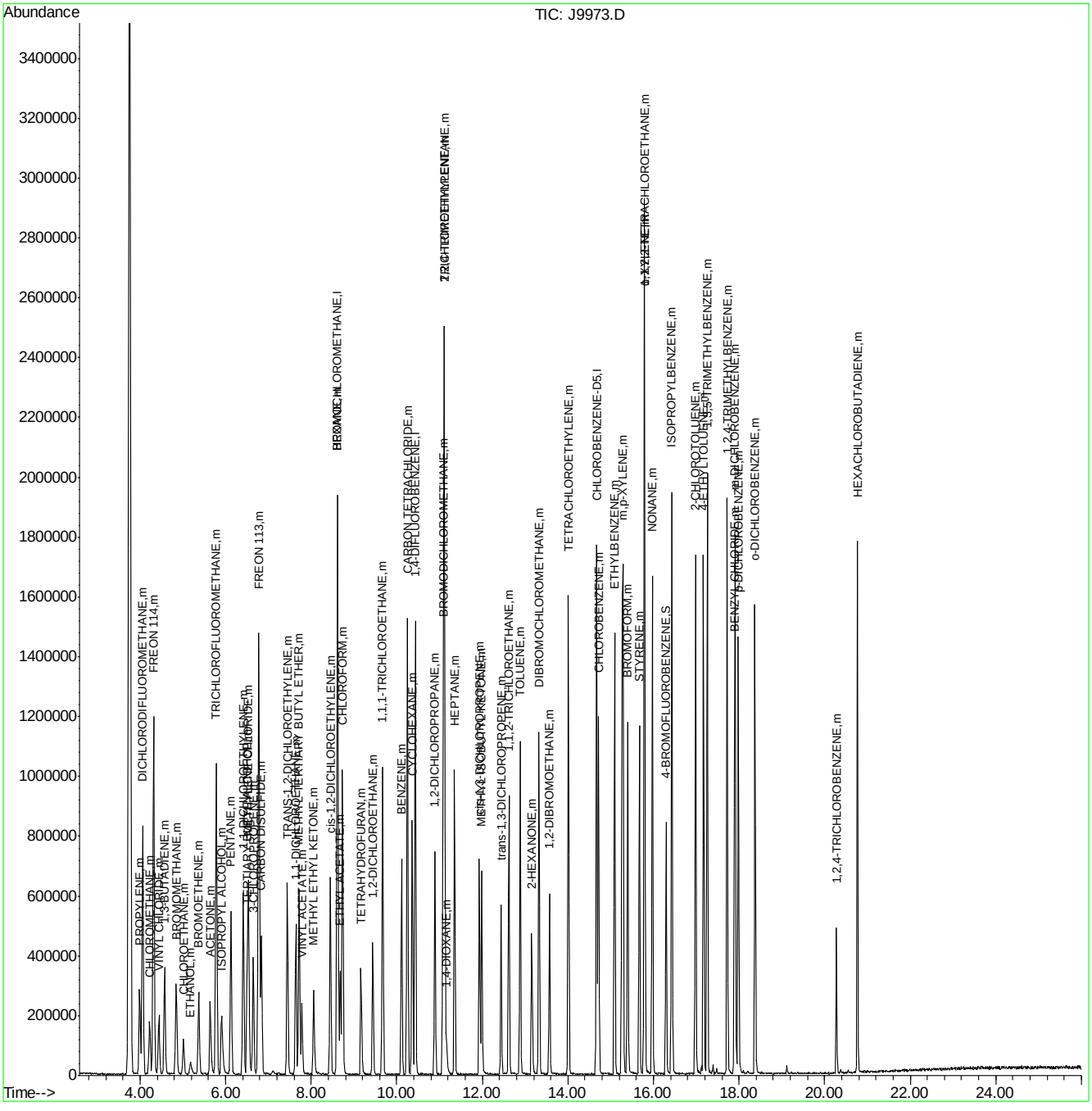
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	491144	11.63	PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.93	75	293355	10.32	PPBV	85
46) TOLUENE	12.88	92	379811	9.85	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	238876	9.94	PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.62	83	216624	12.11	PPBV	99
50) 2-HEXANONE	13.15	43	371173	11.10	PPBV	86
51) TETRACHLOROETHYLENE	14.01	164	251859	11.75	PPBV	91
52) DIBROMOCHLOROMETHANE	13.32	129	547948	11.60	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	369015	9.93	PPBV	99
54) CHLOROBENZENE	14.71	112	532096	13.04	PPBV	96
55) ETHYLBENZENE	15.09	91	900754	11.63	PPBV	96
56) m,p-XYLENE	15.28	106	712110m	22.79	PPBV	
57) o-XYLENE	15.79	106	397021	11.13	PPBV	90
58) STYRENE	15.67	104	463238	11.12	PPBV	96
59) NONANE	15.97	43	603772	12.38	PPBV	92
60) BROMOFORM	15.40	173	487615	10.62	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	670848	13.38	PPBV	97
63) ISOPROPYLBENZENE	16.43	105	1184222	11.33	PPBV	97
64) 2-CHLOROTOLUENE	16.98	91	836656	11.44	PPBV	96
65) 4-ETHYLTOLUENE	17.17	105	930325	10.92	PPBV	76
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	951781	10.93	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	871898	10.80	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	541251	10.81	PPBV	98
69) BENZYL CHLORIDE	17.89	91	440084	10.25	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	472517	10.51	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	482348	10.70	PPBV	98
72) HEXACHLOROBUTADIENE	20.77	225	188485	10.07	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	87281	9.58	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9973.D
Acq On : 10 Apr 2007 1:53 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13352, MSJ516,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 09:01:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

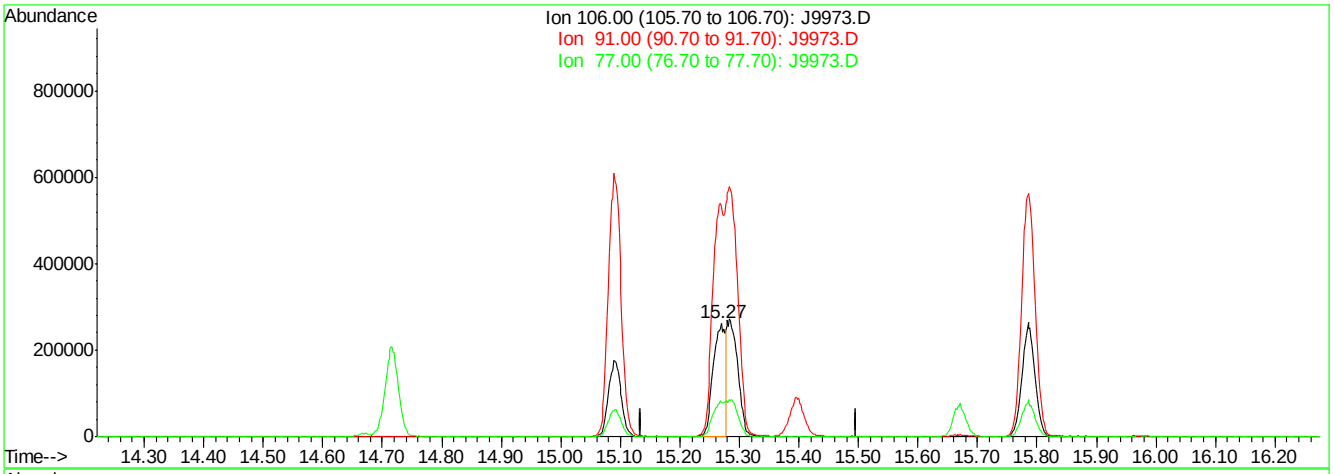


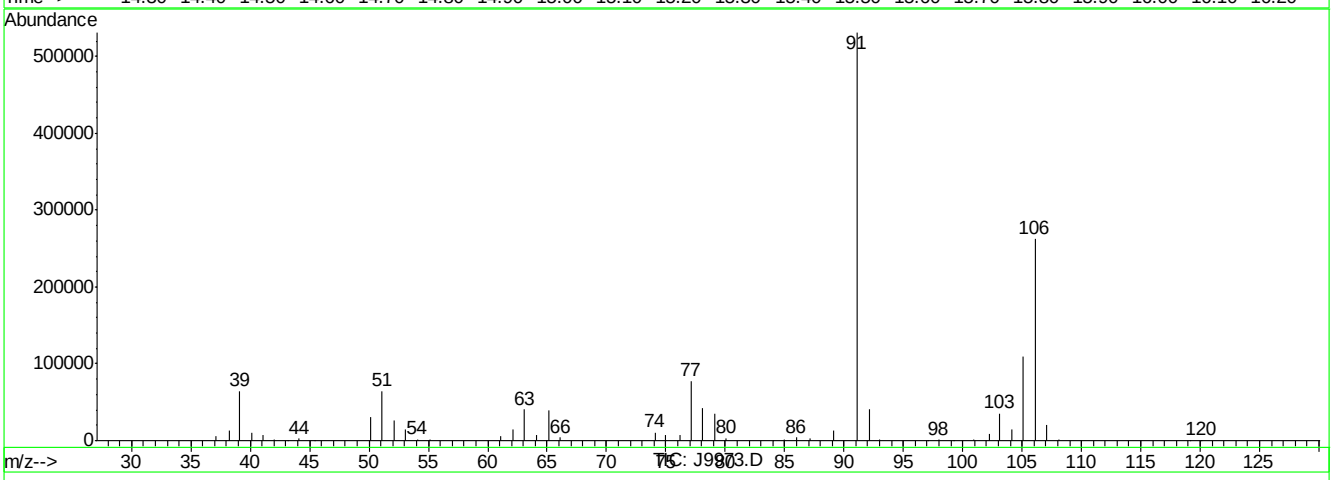
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9973.D Vial: 4
Acq On : 10 Apr 2007 1:53 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13352, MSJ516,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 09:00:11 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.27min 12.81PPBV

response 360071

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	202.49
77.00	27.10	29.64
0.00	0.00	0.00

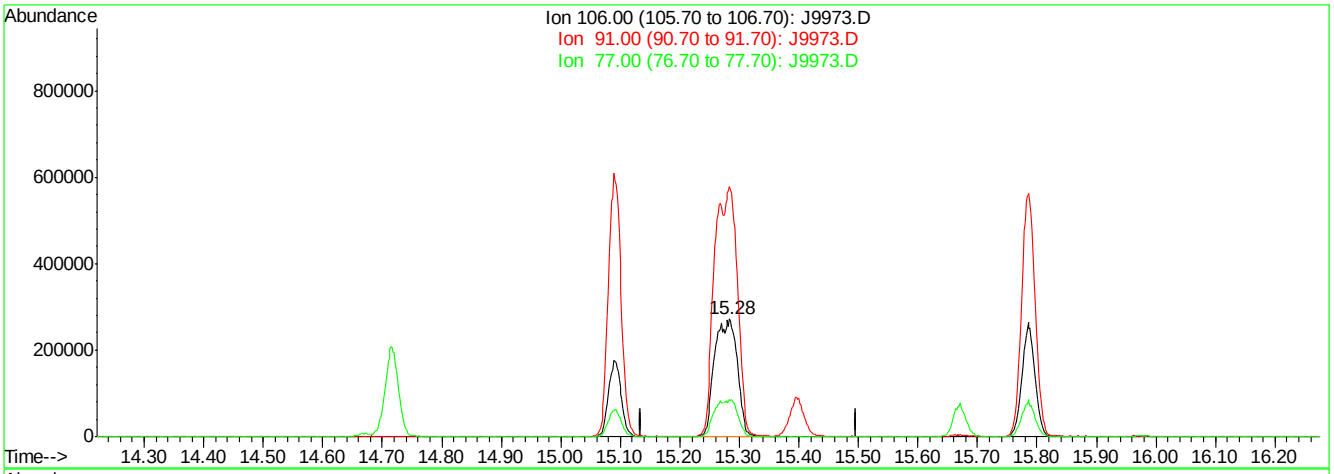
J9973.D J040507T.M Wed Apr 11 09:01:00 2007

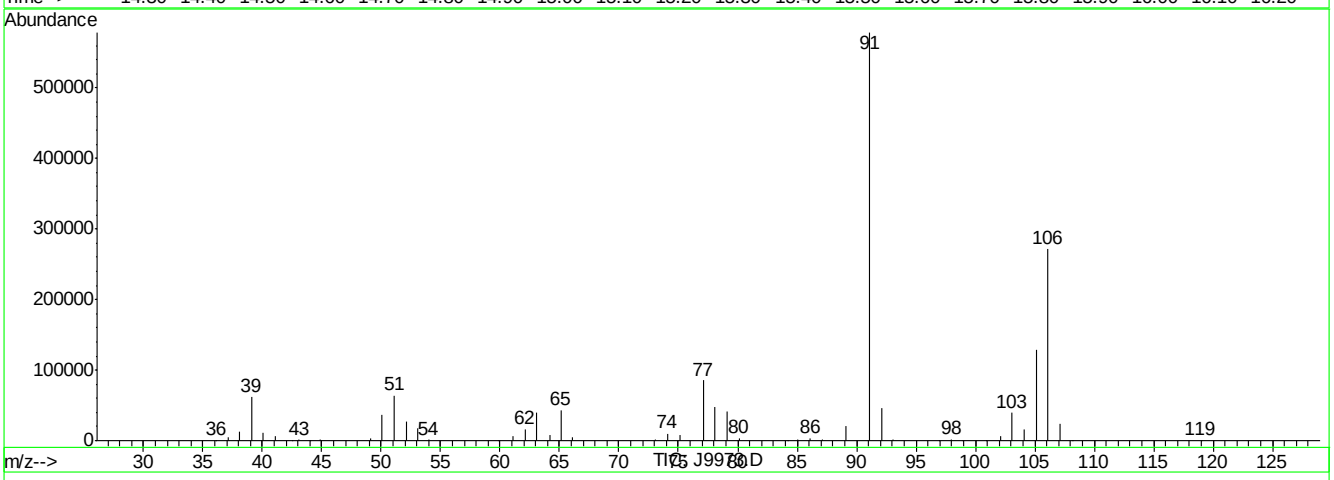
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J9973.D Vial: 4
Acq On : 10 Apr 2007 1:53 pm Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13352, MSJ516,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 11 09:00:11 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.28min 22.79PPBV m

response 712110

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	213.21
77.00	27.10	31.61
0.00	0.00	0.00

J9973.D J040507T.M Wed Apr 11 09:01:05 2007

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J9999.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:28:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	275331	5.36	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1042629	10.59	PPBV	98
3) PROPYLENE	3.98	41	180735	11.64	PPBV	96
4) FREON 114	4.31	85	825209	9.94	PPBV	90
5) CHLOROMETHANE	4.22	50	231254	10.40	PPBV	96
6) VINYL CHLORIDE	4.44	62	219872	9.47	PPBV	96
7) 1,3-BUTADIENE	4.57	39	229395	11.94	PPBV #	81
8) BROMOMETHANE	4.84	94	236907	9.19	PPBV	98
9) CHLOROETHANE	5.01	64	101042	9.44	PPBV	77
10) TRICHLOROFLUOROMETHANE	5.77	101	1083562	10.17	PPBV	99
11) ISOPROPYL ALCOHOL	5.88	45	263616	7.66	PPBV	70
12) ACETONE	5.62	43	326195	9.58	PPBV	86
13) PENTANE	6.11	42	205498	8.41	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.40	96	216942	8.75	PPBV #	80
15) CARBON DISULFIDE	6.82	76	666816	8.35	PPBV	87
16) ETHANOL	5.15	45	49903m	8.74	PPBV	
17) BROMOETHENE	5.36	106	222170	9.36	PPBV #	92
18) METHYLENE CHLORIDE	6.52	84	198709	6.49	PPBV	84
19) 3-CHLOROPROPENE	6.64	39	229987	9.49	PPBV #	77
20) FREON 113	6.76	151	510629	9.04	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	222091	8.13	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.48	59	312838	7.41	PPBV #	60
23) METHYL TERTIARY BUTYL ETHE	7.70	73	456224	7.84	PPBV	90
24) TETRAHYDROFURAN	9.15	42	163877	10.34	PPBV	84
25) HEXANE	8.60	57	281060	7.67	PPBV #	81
26) VINYL ACETATE	7.77	43	307063	8.08	PPBV	96
27) 1,1-DICHLOROETHANE	7.63	63	389942	7.72	PPBV	98
28) METHYL ETHYL KETONE	8.03	43	300912m	7.07	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.44	96	272411	8.95	PPBV	99
30) ETHYL ACETATE	8.66	43	358366	8.18	PPBV	100
31) CHLOROFORM	8.72	83	826812	9.79	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	685426	10.42	PPBV	96
33) CARBON TETRACHLORIDE	10.24	117	906293	11.04	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	346659	10.41	PPBV	98
36) BENZENE	10.10	78	456171	9.86	PPBV	94
37) CYCLOHEXANE	10.35	84	228300	11.28	PPBV	91
38) TRICHLOROETHYLENE	11.10	95	277318	11.11	PPBV	94
39) 1,2-DICHLOROPROPANE	10.88	63	164397	9.67	PPBV	92
40) BROMODICHLOROMETHANE	11.07	83	570557	10.73	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	856411	10.17	PPBV	97
42) 1,4-DIOXANE	11.14	88	76398	8.55	PPBV	85
43) HEPTANE	11.34	43	315913	11.81	PPBV	86

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J9999.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:28:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

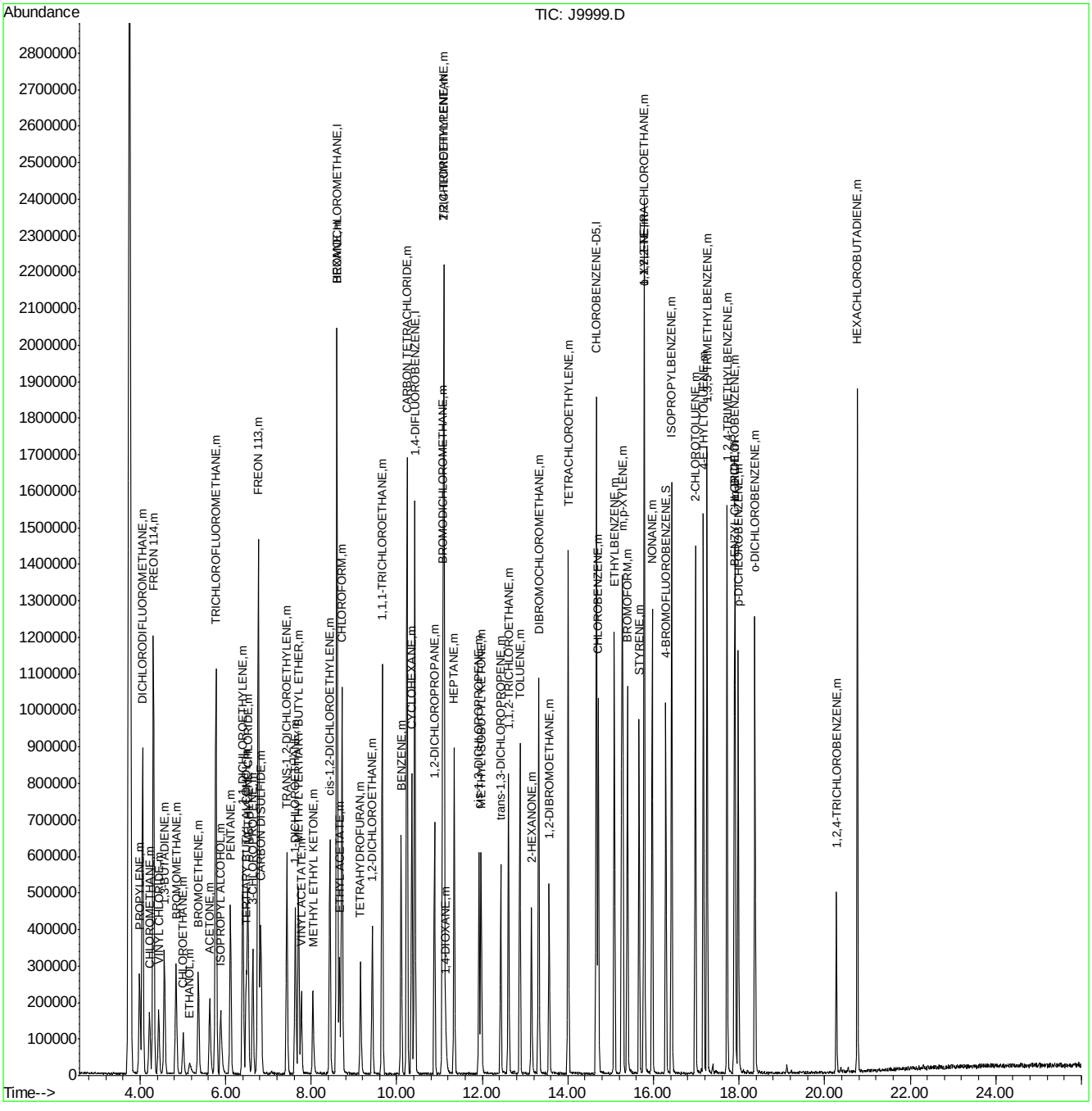
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	427934	10.23	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	229586	8.28	PPBV #	76
46) TOLUENE	12.88	92	299148	8.04	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.43	75	226670	9.51	PPBV #	77
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J9999.D
Acq On : 11 Apr 2007 2:29 pm
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ517,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 15:28:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

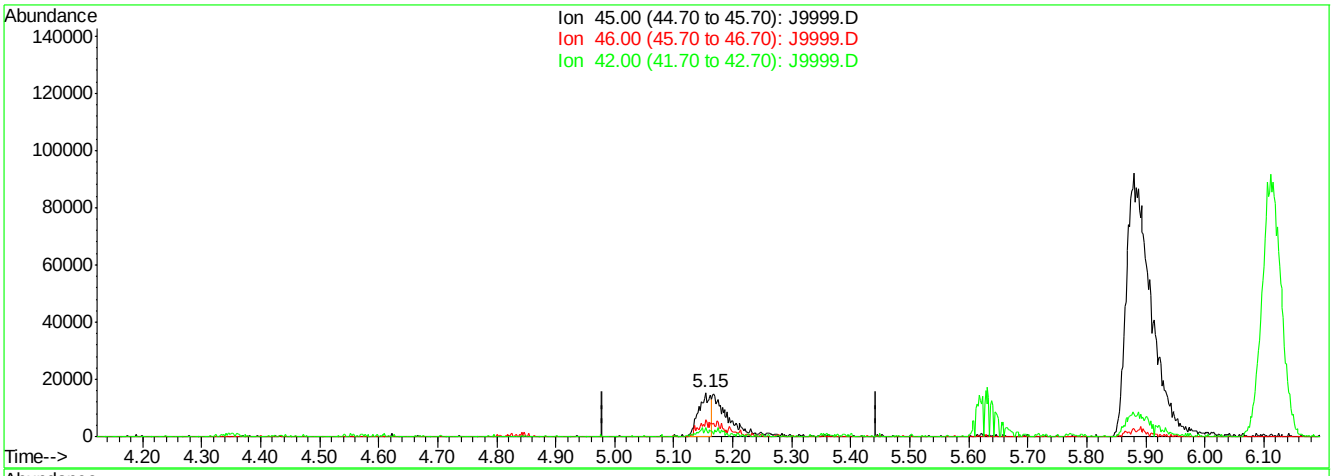


Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.15min 3.19PPBV

response 21586

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

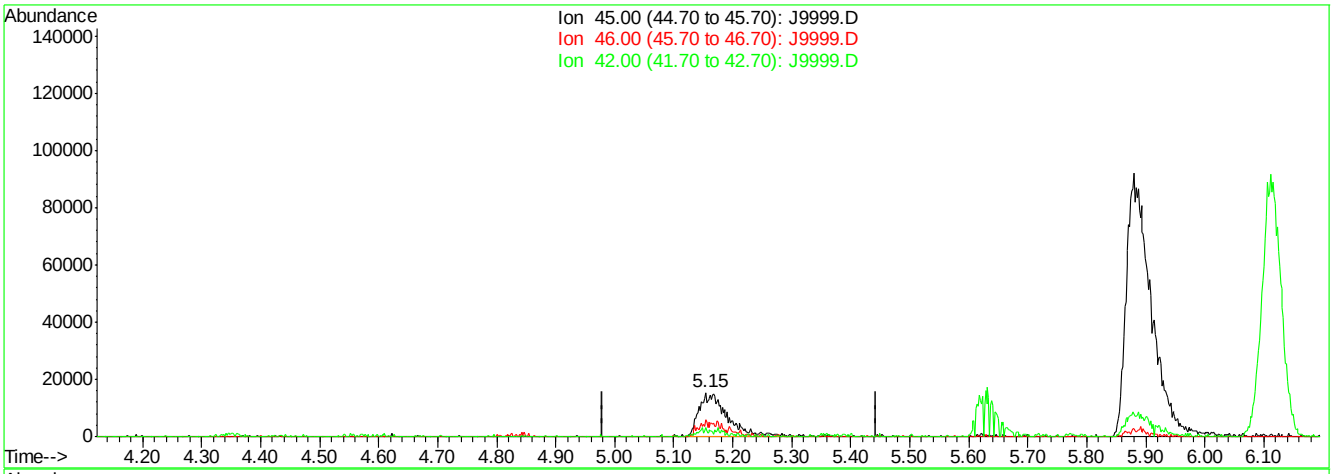
J9999.D J040507T.M Wed Apr 11 15:28:13 2007

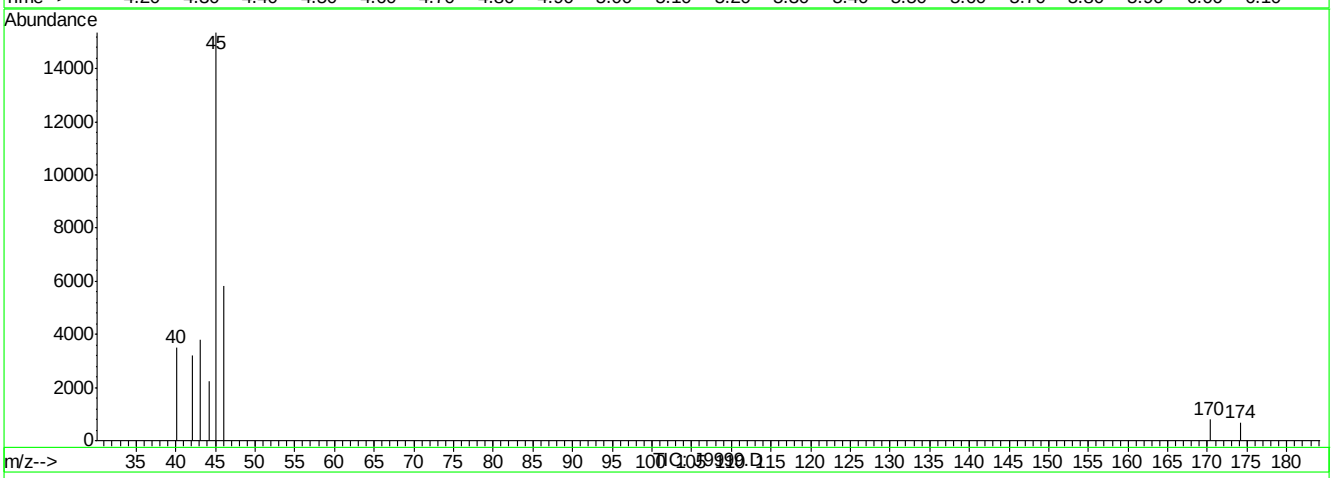
Quantitation Report (Qedit)

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

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

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





(16) ETHANOL (m)

5.15min 8.74PPBV m

response 49903

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

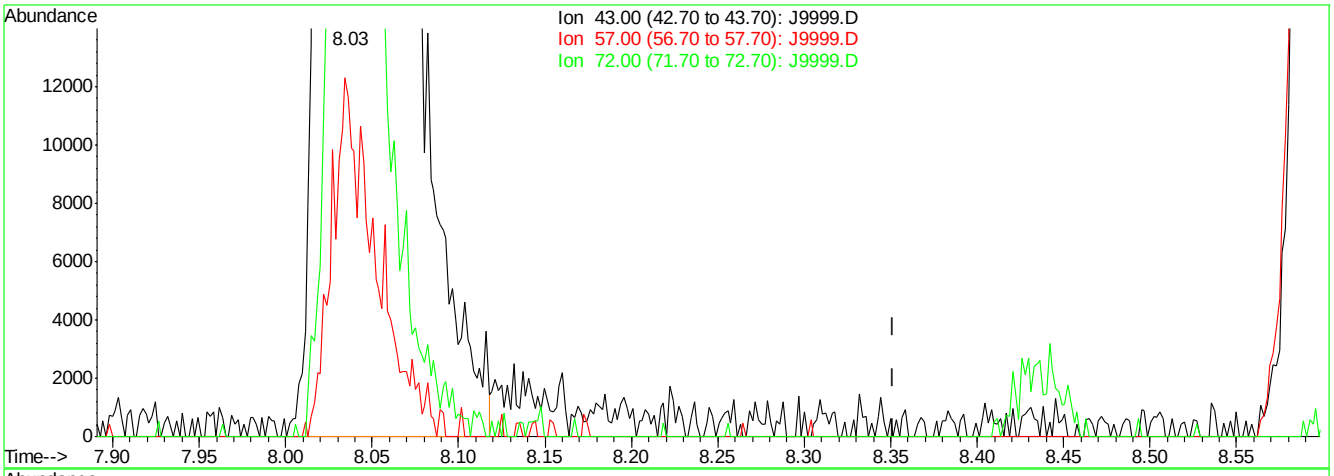
J9999.D J040507T.M Wed Apr 11 15:28:20 2007

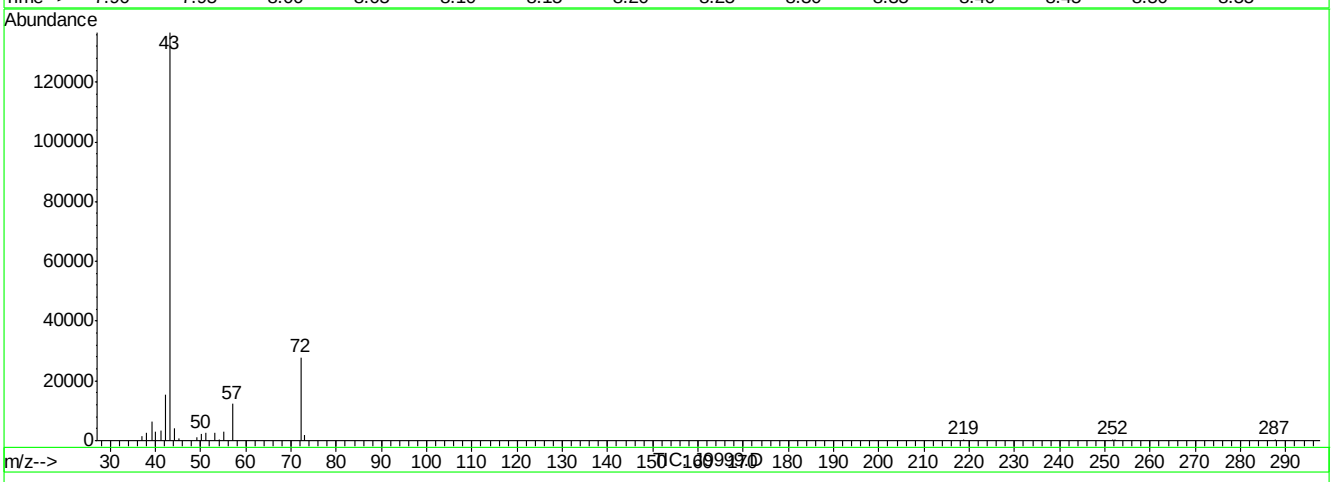
Quantitation Report (Qedit)

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

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

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





(28) METHYL ETHYL KETONE (m)

8.03min 6.82PPBV

response 290089

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

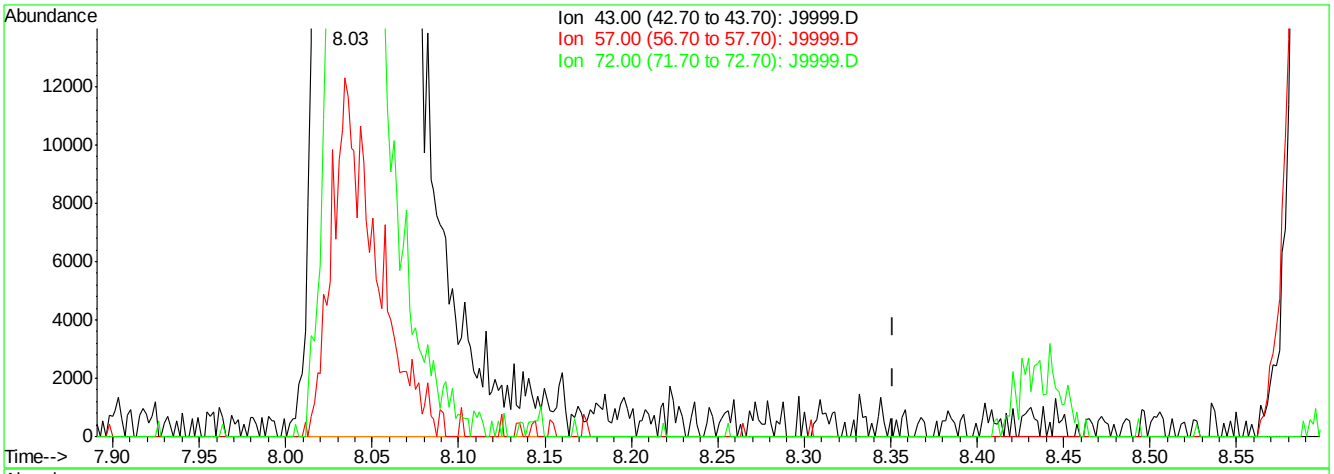
J9999.D J040507T.M Wed Apr 11 15:28:38 2007

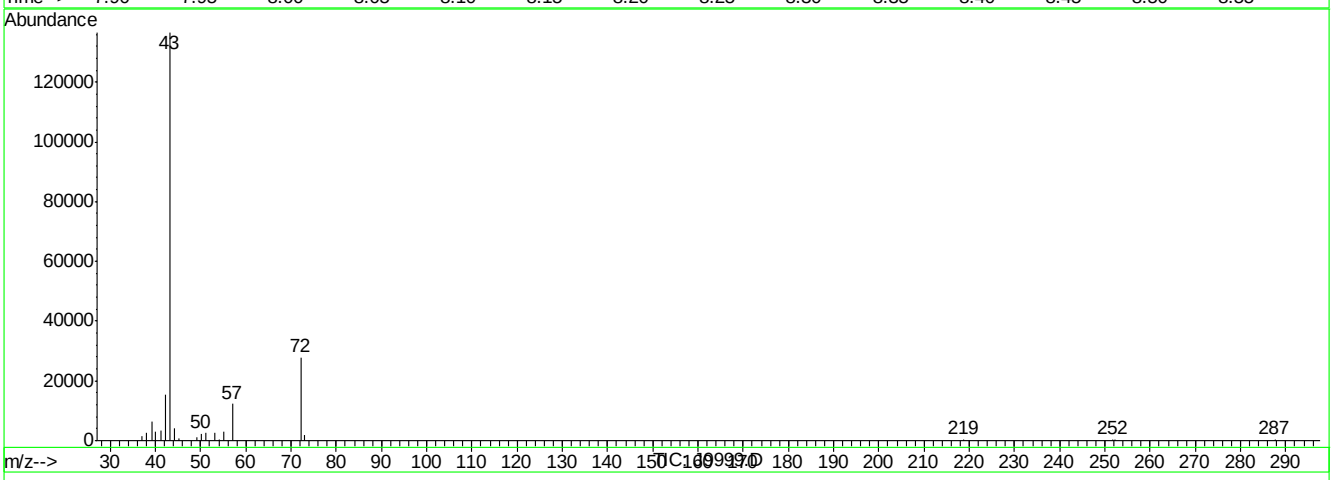
Quantitation Report (Qedit)

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

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

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





(28) METHYL ETHYL KETONE (m)

8.03min 7.07PPBV m

response 300912

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

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

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/16/07 11:40

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10018.D
Acq On : 13 Apr 2007 9:41 am
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 10:53:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.59	128	391906	10.00	PPBV	-0.04
35) 1,4-DIFLUOROBENZENE	10.42	114	883716	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.67	117	732480	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	236889	5.40	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 108.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	996231	11.21	PPBV	97
3) PROPYLENE	3.99	41	162980	11.63	PPBV	93
4) FREON 114	4.32	85	747323	9.97	PPBV	91
5) CHLOROMETHANE	4.23	50	197457	9.84	PPBV	97
6) VINYL CHLORIDE	4.44	62	194711	9.29	PPBV	94
7) 1,3-BUTADIENE	4.57	39	204307	11.78	PPBV #	79
8) BROMOMETHANE	4.85	94	209594	9.01	PPBV	95
9) CHLOROETHANE	5.01	64	88264	9.13	PPBV	75
10) TRICHLOROFLUOROMETHANE	5.77	101	1072219	11.15	PPBV	99
11) ISOPROPYL ALCOHOL	5.89	45	244568	7.88	PPBV	78
12) ACETONE	5.63	43	322197	10.53	PPBV	67
13) PENTANE	6.12	42	163506	7.42	PPBV	83
14) 1,1-DICHLOROETHYLENE	6.40	96	190295	8.51	PPBV #	76
15) CARBON DISULFIDE	6.82	76	532963	7.40	PPBV	73
16) ETHANOL	5.17	45	43041	8.31	PPBV	73
17) BROMOETHENE	5.37	106	199197	9.30	PPBV #	93
18) METHYLENE CHLORIDE	6.53	84	175147	6.34	PPBV	83
19) 3-CHLOROPROPENE	6.63	39	221982	10.15	PPBV #	69
20) FREON 113	6.76	151	494233	9.69	PPBV	100
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	205726	8.34	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.49	59	306005	8.03	PPBV #	62
23) METHYL TERTIARY BUTYL ETHE	7.70	73	454086	8.64	PPBV	85
24) TETRAHYDROFURAN	9.15	42	157671	11.02	PPBV	84
25) HEXANE	8.60	57	245445	7.42	PPBV #	75
26) VINYL ACETATE	7.77	43	280423	8.17	PPBV	97
27) 1,1-DICHLOROETHANE	7.62	63	356621	7.82	PPBV	95
28) METHYL ETHYL KETONE	8.04	43	273047m	7.11	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.43	96	249467	9.08	PPBV	98
30) ETHYL ACETATE	8.66	43	336015	8.50	PPBV	100
31) CHLOROFORM	8.72	83	815500	10.70	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.66	97	690373	11.63	PPBV	97
33) CARBON TETRACHLORIDE	10.23	117	936658	12.65	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	349300	11.63	PPBV	99
36) BENZENE	10.10	78	426430	10.76	PPBV	94
37) CYCLOHEXANE	10.35	84	202158	11.66	PPBV	92
38) TRICHLOROETHYLENE	11.10	95	260171	12.17	PPBV	94
39) 1,2-DICHLOROPROPANE	10.88	63	151749	10.42	PPBV	88
40) BROMODICHLOROMETHANE	11.07	83	562609	12.36	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	723042	10.02	PPBV	96
42) 1,4-DIOXANE	11.15	88	72383	9.36	PPBV	92
43) HEPTANE	11.34	43	282512	12.33	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10018.D
Acq On : 13 Apr 2007 9:41 am
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 10:53:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

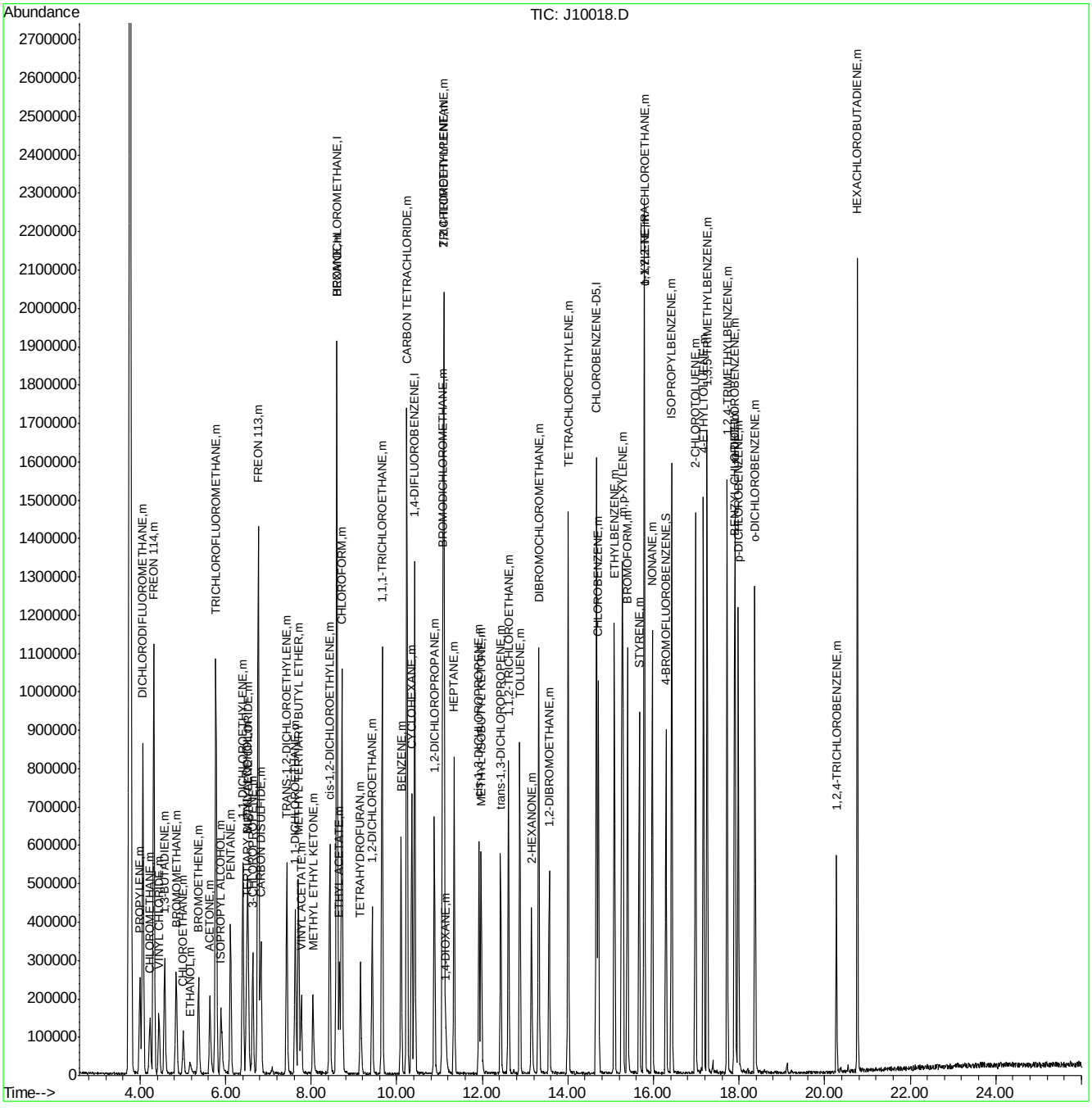
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	412201	11.43	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.92	75	222725	9.26	PPBV #	70
46) TOLUENE	12.88	92	289991	8.93	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.43	75	230302	11.06	PPBV #	77
48) 1,1,2-TRICHLOROETHANE	12.61	83	170192	11.13	PPBV	99
50) 2-HEXANONE	13.15	43	338035	11.46	PPBV	82
51) TETRACHLOROETHYLENE	14.01	164	204224	10.83	PPBV	84
52) DIBROMOCHLOROMETHANE	13.31	129	514609	12.39	PPBV	99
53) 1,2-DIBROMOETHANE	13.56	107	297402	9.20	PPBV	99
54) CHLOROBENZENE	14.71	112	429208	11.96	PPBV	95
55) ETHYLBENZENE	15.09	91	708971	10.56	PPBV	95
56) m,p-XYLENE	15.28	106	533233m	19.92	PPBV	
57) o-XYLENE	15.78	106	287241	9.47	PPBV	88
58) STYRENE	15.67	104	354140	9.94	PPBV	93
59) NONANE	15.97	43	404150	9.59	PPBV	91
60) BROMOFORM	15.39	173	425411	10.55	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	458798	10.40	PPBV	98
63) ISOPROPYLBENZENE	16.42	105	918037	10.19	PPBV	96
64) 2-CHLOROTOLUENE	16.98	91	633876	10.11	PPBV	94
65) 4-ETHYLTOLUENE	17.17	105	799430	10.72	PPBV #	73
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	783312	10.36	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	704006	10.09	PPBV	97
68) m-DICHLOROBENZENE	17.91	146	404748	9.58	PPBV	95
69) BENZYL CHLORIDE	17.89	91	430258	11.14	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	359300	9.42	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	358765	9.44	PPBV	96
72) HEXACHLOROBUTADIENE	20.76	225	194373	11.32	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	97233	11.38	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10018.D
Acq On : 13 Apr 2007 9:41 am
Operator : PhilipB
Sample : CC513-10 (M119)
Misc : MS13358, MSJ518,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 10:53:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J040507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 05 17:22:46 2007
Response via : Initial Calibration

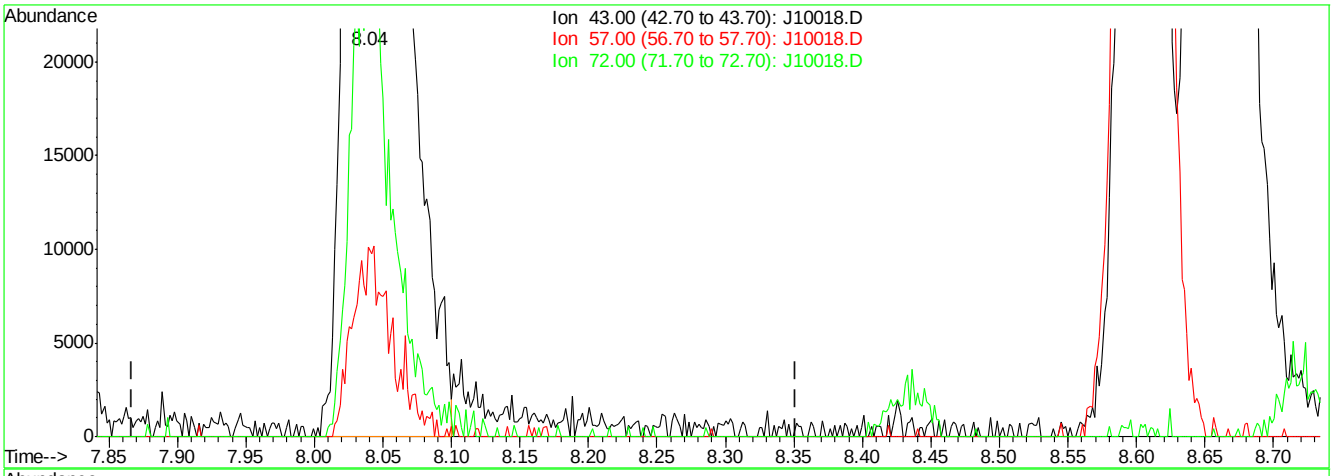


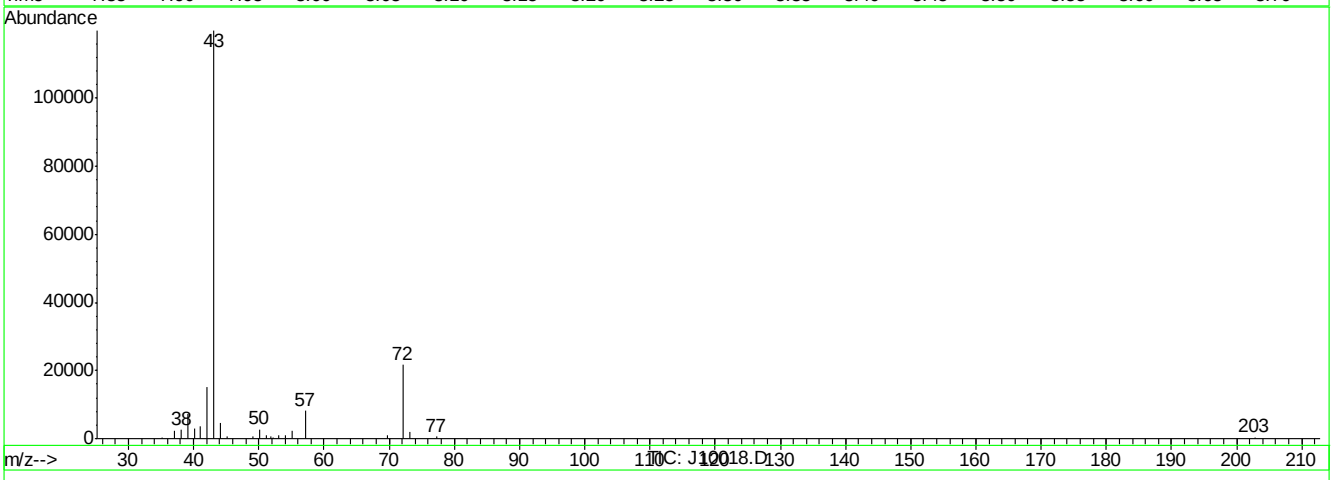
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(28) METHYL ETHYL KETONE (m)

8.04min 6.85PPBV

response 263344

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	6.76
72.00	25.60	18.09
0.00	0.00	0.00

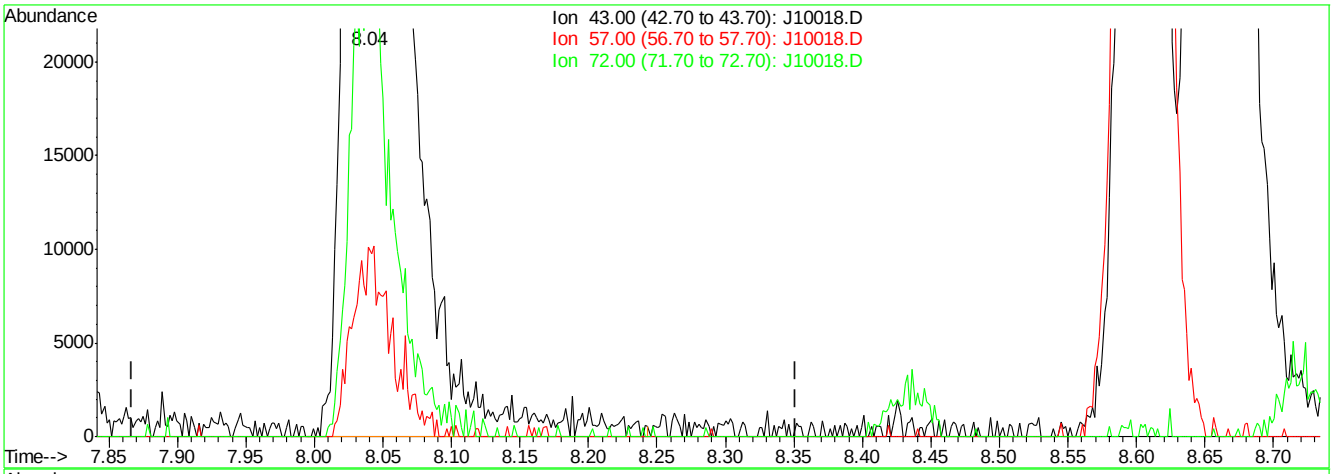
J10018.D J040507T.M Fri Apr 13 10:53:13 2007

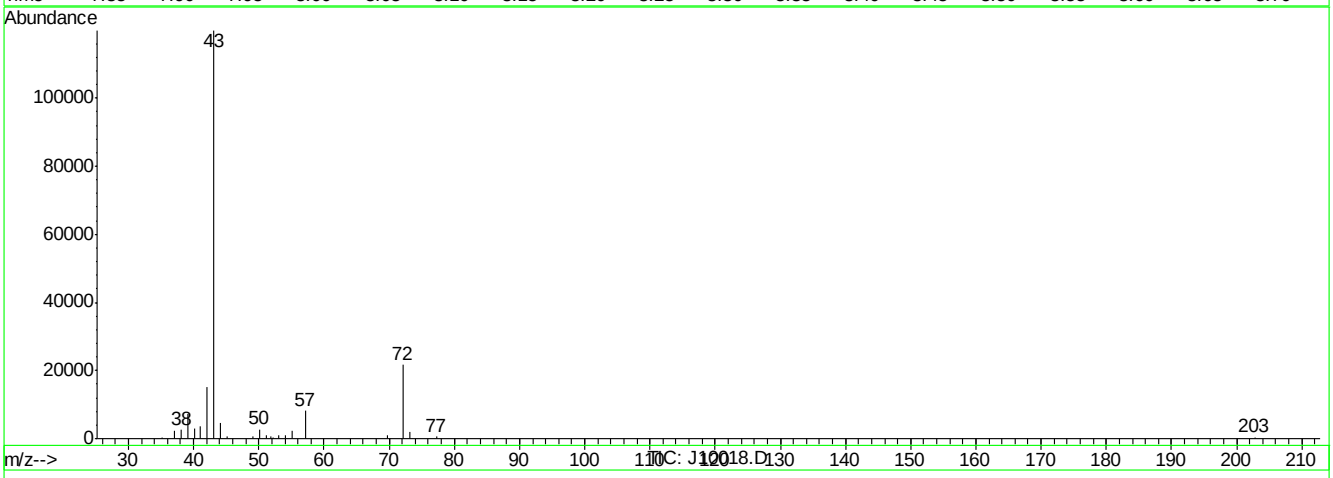
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(28) METHYL ETHYL KETONE (m)

8.04min 7.11PPBV m

response 273047

Ion	Exp%	Act%
43.00	100	100
57.00	7.80	6.76
72.00	25.60	18.09
0.00	0.00	0.00

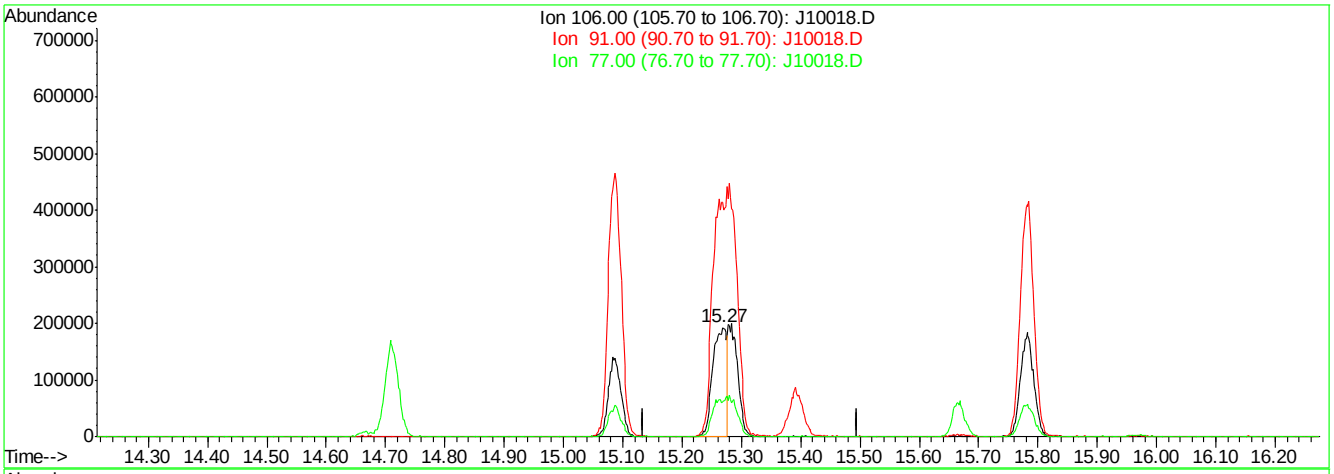
J10018.D J040507T.M Fri Apr 13 10:53:19 2007

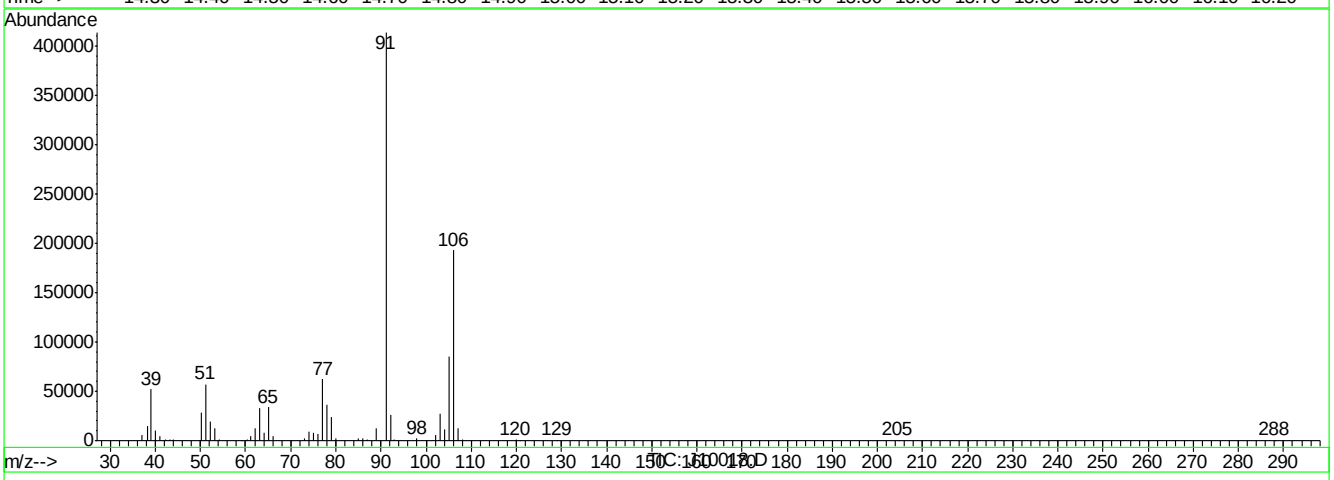
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.27min 12.81PPBV

response 316859

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	214.55
77.00	27.10	32.23
0.00	0.00	0.00

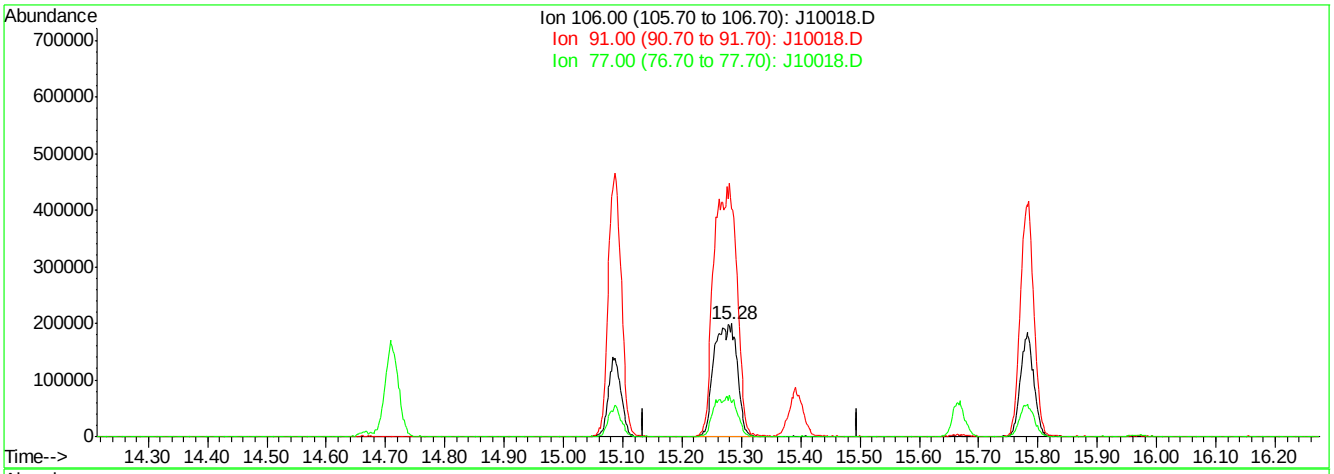
J10018.D J040507T.M Fri Apr 13 10:53:25 2007

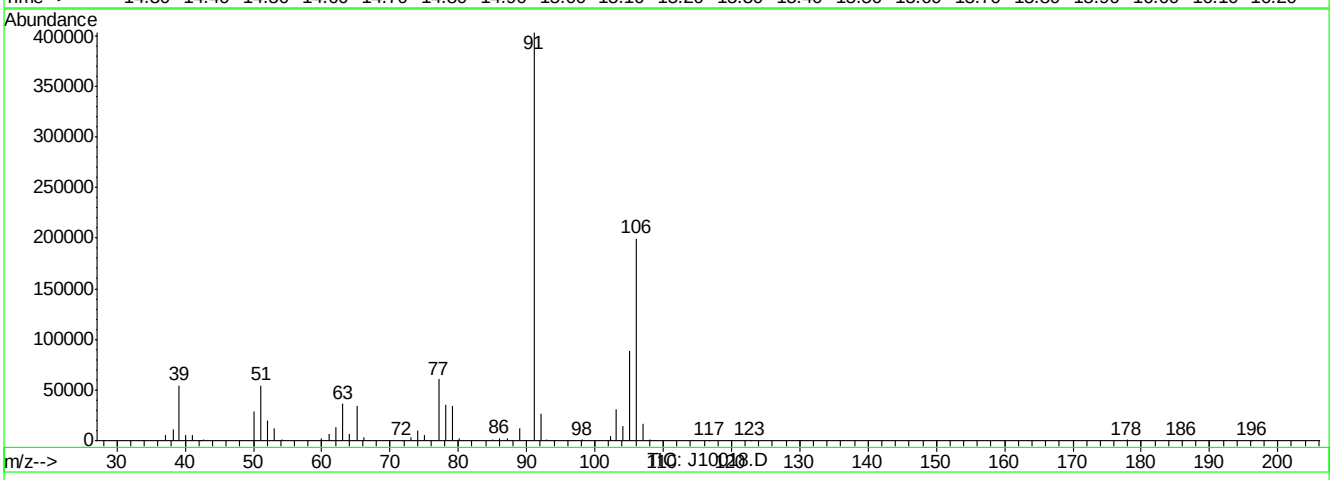
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10018.D Vial: 1
Acq On : 13 Apr 2007 9:41 am Operator: PhilipB
Sample : CC513-10 (M119) Inst : MSJ
Misc : MS13358, MSJ518,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 13 10:52:52 2007 Results File: J040507T.RES

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





(56) m,p-XYLENE (m)

15.28min 19.92PPBV m

response 533233

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	201.92
77.00	27.10	30.28
0.00	0.00	0.00

J10018.D J040507T.M Fri Apr 13 10:53:28 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:41:05 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.646	128	162299	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.479	114	778867	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	670528	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	310658	6.05	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 121.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	2599553	40.21	PPBV		96
3) PROPYLENE	3.966	41	472042	36.34	PPBV		97
4) FREON 114	4.308	85	2302064	40.76	PPBV		97
5) CHLOROMETHANE	4.202	50	550836	38.99	PPBV		100
6) VINYL CHLORIDE	4.427	62	611372	41.29	PPBV		97
7) 1,3-BUTADIENE	4.564	39	661650	43.87	PPBV	#	77
8) BROMOMETHANE	4.844	94	692288	41.42	PPBV		98
9) CHLOROETHANE	5.016	64	267190	46.79	PPBV		87
10) TRICHLOROFLUOROMETHANE	5.803	101	3477492	44.74	PPBV		99
11) ISOPROPYL ALCOHOL	5.838	45	1252834	43.64	PPBV		94
12) ACETONE	5.602	43	1213931	43.39	PPBV		86
13) PENTANE	6.158	42	729580	42.64	PPBV		92
14) 1,1-DICHLOROETHYLENE	6.442	96	707732	48.11	PPBV	#	73
15) CARBON DISULFIDE	6.869	76	1975772	44.12	PPBV		83
16) ETHANOL	5.105	45	189116	39.07	PPBV		93
17) BROMOETHENE	5.382	106	722204	45.27	PPBV	#	93
18) METHYLENE CHLORIDE	6.552	84	706349	44.70	PPBV		67
19) 3-CHLOROPROPENE	6.672	39	979677	54.63	PPBV	#	79
20) FREON 113	6.814	151	1695333	57.34	PPBV		99
21) TRANS-1,2-DICHLOROETHY...	7.482	96	610406	46.89	PPBV	#	79
22) TERTIARY BUTYL ALCOHOL	6.440	59	1551707	52.73	PPBV		87
23) METHYL TERTIARY BUTYL ...	7.719	73	1414107	50.80	PPBV		82
24) TETRAHYDROFURAN	9.145	42	624340	52.88	PPBV		86
25) HEXANE	8.683	57	920942	52.00	PPBV	#	81
26) VINYL ACETATE	7.803	43	1503386	56.12	PPBV		93
27) 1,1-DICHLOROETHANE	7.679	63	1206160	51.94	PPBV		99
28) METHYL ETHYL KETONE	8.042	43	1248802	50.59	PPBV		92
29) cis-1,2-DICHLOROETHYLENE	8.486	96	621811	52.86	PPBV		97
30) ETHYL ACETATE	8.678	43	2252020	55.30	PPBV		98
31) CHLOROFORM	8.768	83	1833908	55.87	PPBV		95
32) 1,1,1-TRICHLOROETHANE	9.723	97	2054681	59.20	PPBV		98
33) CARBON TETRACHLORIDE	10.305	117	2548077	58.80	PPBV		95
34) 1,2-DICHLOROETHANE	9.480	62	1153039	57.97	PPBV		99
36) BENZENE	10.167	78	1673485	49.23	PPBV		97
37) CYCLOHEXANE	10.433	84	654147	44.14	PPBV		95
38) TRICHLOROETHYLENE	11.163	95	1112291	58.01	PPBV		95
39) 1,2-DICHLOROPROPANE	10.941	63	618161	50.21	PPBV		93
40) BROMODICHLOROMETHANE	11.125	83	1932605	57.68	PPBV		98
41) 2,2,4-TRIMETHYLPENTANE	11.187	57	3115507	53.73	PPBV		99
42) 1,4-DIOXANE	11.145	88	327898	51.47	PPBV	#	79
43) HEPTANE	11.425	43	1290035	57.34	PPBV		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:41:05 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration

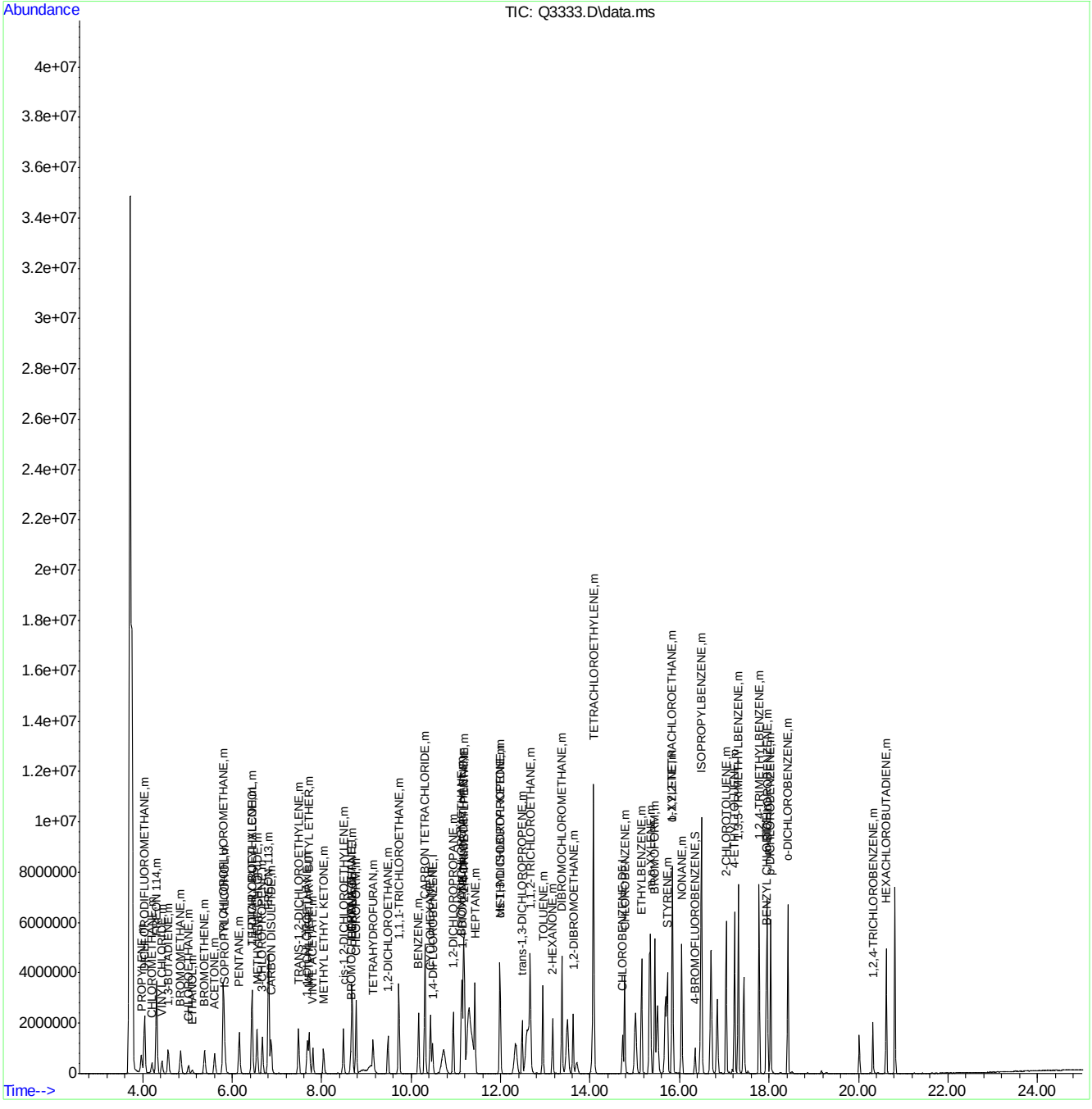
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	1716235	56.27	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.981	75	1098481	58.46	PPBV #	72
46) TOLUENE	12.943	92	1183957	54.01	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.479	75	918672	63.77	PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.660	83	2432564	190.31	PPBV #	58
50) 2-HEXANONE	13.164	43	1509058	59.98	PPBV	89
51) TETRACHLOROETHYLENE	14.077	164	1399793	80.97	PPBV	95
52) DIBROMOCHLOROMETHANE	13.370	129	2049712	61.99	PPBV	98
53) 1,2-DIBROMOETHANE	13.621	107	1327062	54.54	PPBV	97
54) CHLOROBENZENE	14.771	112	1637392	50.16	PPBV	97
55) ETHYLBENZENE	15.152	91	2910996	56.70	PPBV	99
56) m,p-XYLENE	15.347	106	2243323	109.15	PPBV	98
57) o-XYLENE	15.846	106	1160876	57.44	PPBV	98
58) STYRENE	15.725	104	1528125	61.89	PPBV	92
59) NONANE	16.047	43	1895855	57.80	PPBV	92
60) BROMOFORM	15.445	173	2082741	74.36	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.835	83	1877868	55.72	PPBV	99
63) ISOPROPYLBENZENE	16.490	105	7045665	118.03	PPBV	89
64) 2-CHLOROTOLUENE	17.039	91	2895515	67.06	PPBV	97
65) 4-ETHYLTOLUENE	17.227	105	3367318	68.94	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	3440904	68.90	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.779	105	3444170	73.57	PPBV	99
68) m-DICHLOROBENZENE	17.962	146	2148310	74.45	PPBV	99
69) BENZYL CHLORIDE	17.937	91	2156829	82.89	PPBV	100
70) p-DICHLOROBENZENE	18.034	146	1933473	74.39	PPBV	99
71) o-DICHLOROBENZENE	18.421	146	2096558	74.16	PPBV	99
72) HEXACHLOROBUTADIENE	20.620	225	644343m	47.68	PPBV	
73) 1,2,4-TRICHLOROBENZENE	20.322	180	426942	58.23	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

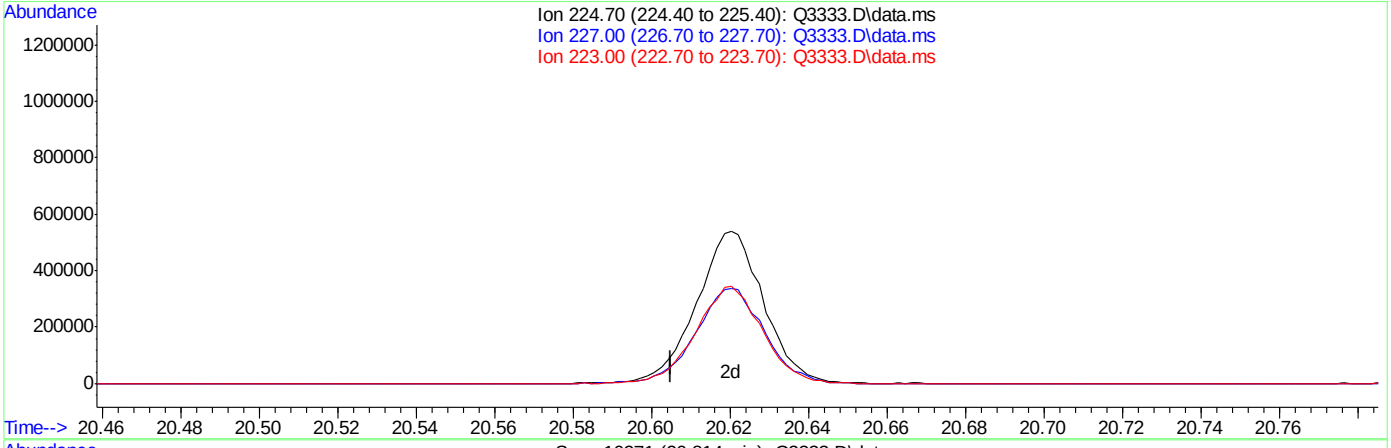
Quant Time: May 04 14:41:05 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration

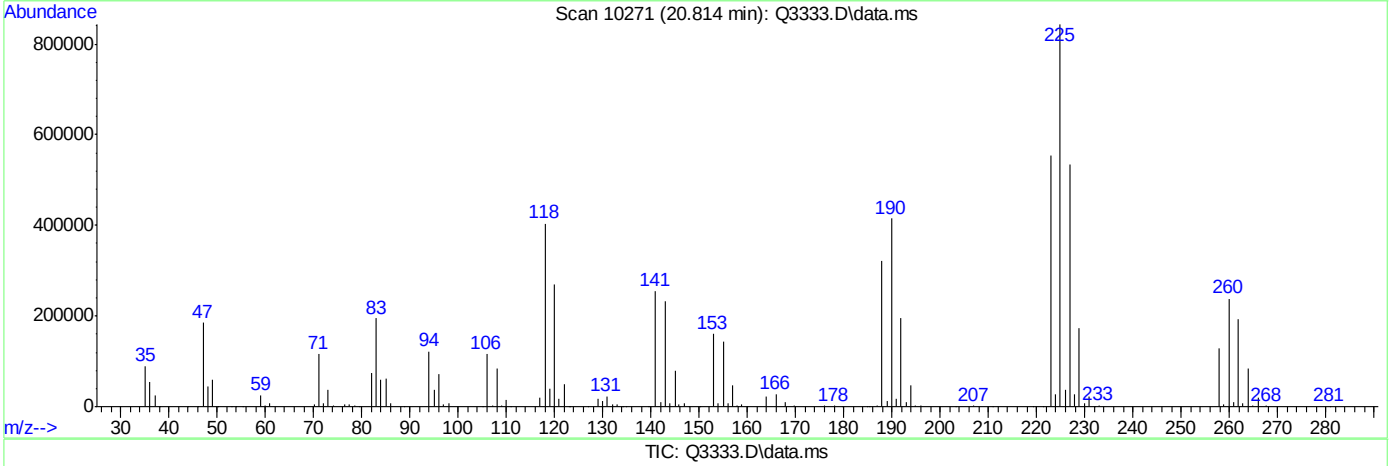


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.814min (+0.003) 66.65PPBV

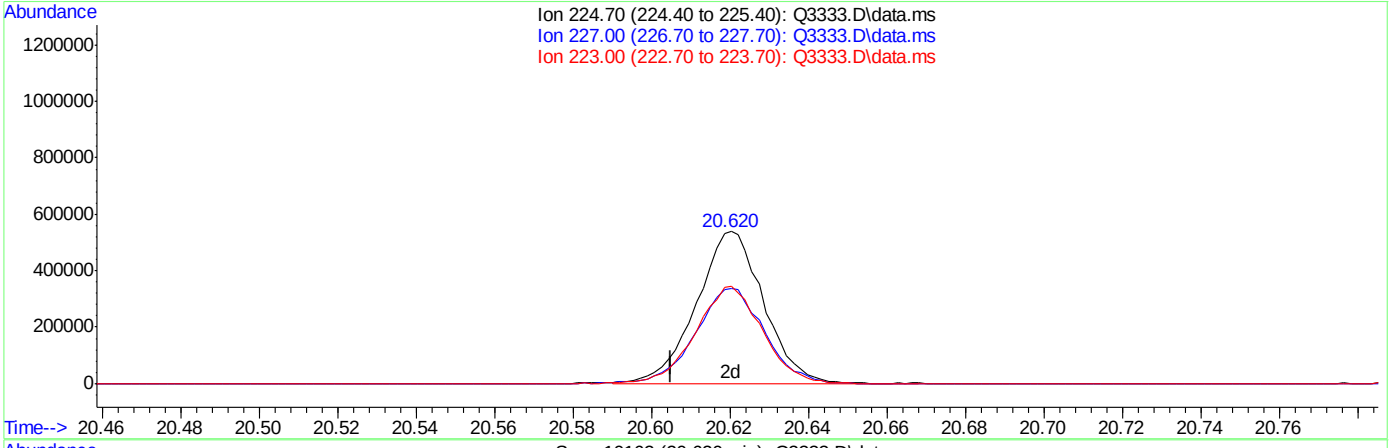
response 900765

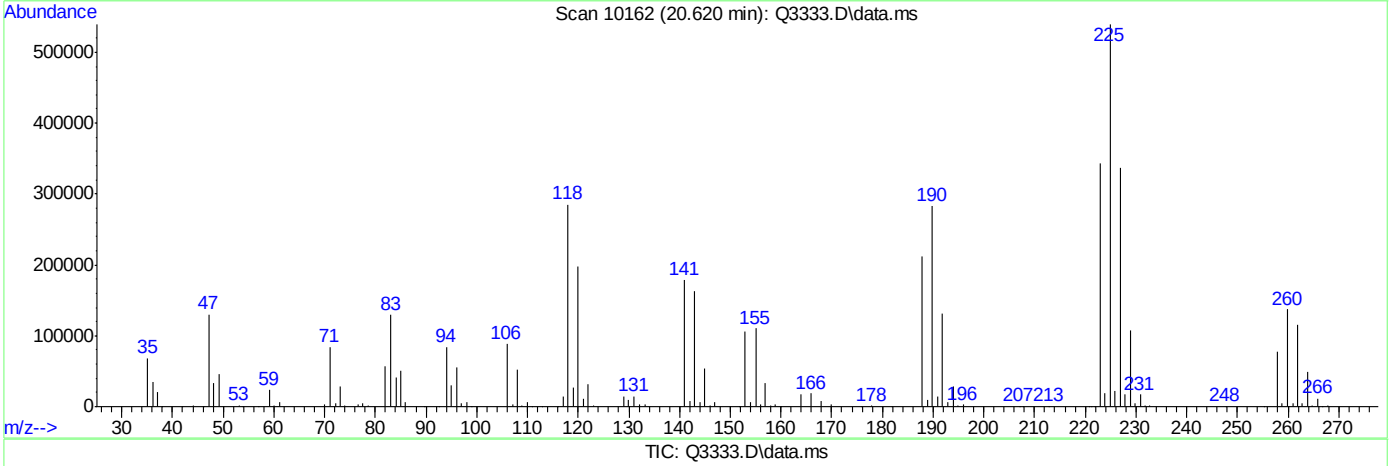
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	64.88
223.00	62.30	64.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.47PPBV m

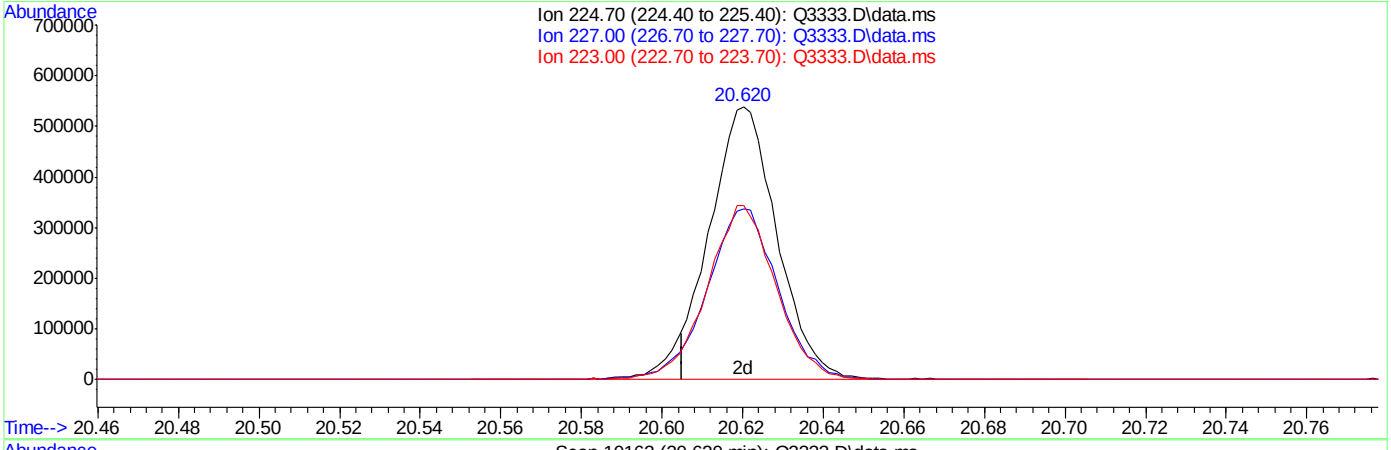
response 641593

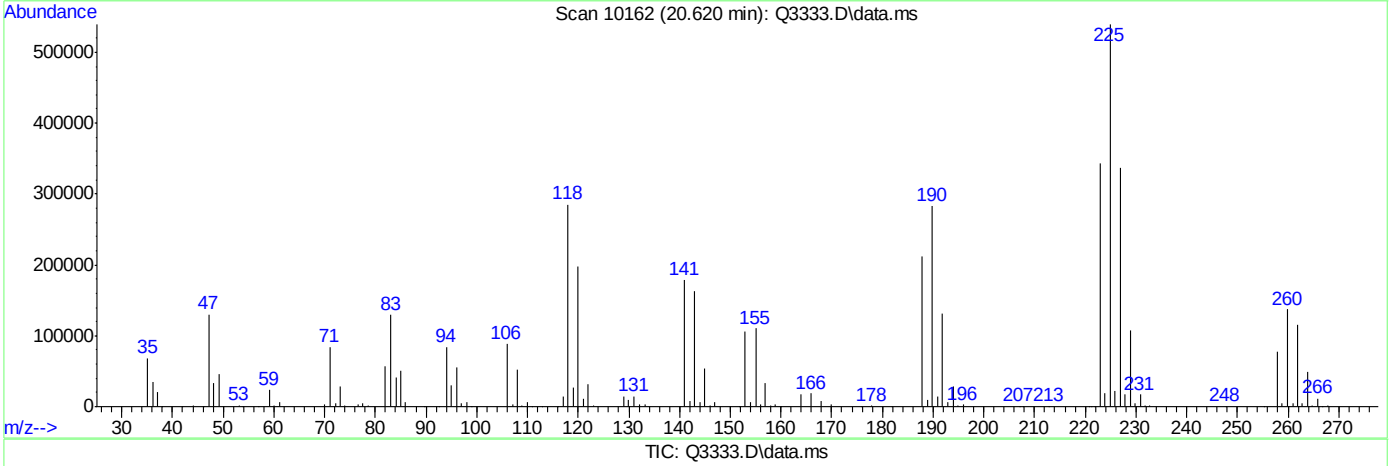
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	91.10#
223.00	62.30	90.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:39:50 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.68PPBV m

response 644343

Ion	Exp%	Act%
224.70	100	100
227.00	64.20	90.71#
223.00	62.30	89.69#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:10:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	162679	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	808573	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.719	117	666530	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	272645	5.26	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.20%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.049	85	1759841	26.25	PPBV		98
3) PROPYLENE	3.971	41	309989	23.18	PPBV		87
4) FREON 114	4.312	85	1400066	23.87	PPBV		90
5) CHLOROMETHANE	4.209	50	323413	22.33	PPBV		98
6) VINYL CHLORIDE	4.431	62	353407	23.10	PPBV		99
7) 1,3-BUTADIENE	4.573	39	361258	23.06	PPBV	#	77
8) BROMOMETHANE	4.850	94	392229	22.76	PPBV		100
9) CHLOROETHANE	5.022	64	134352	22.80	PPBV		85
10) TRICHLOROFLUOROMETHANE	5.804	101	1597283	19.64	PPBV		99
11) ISOPROPYL ALCOHOL	5.835	45	484739	16.07	PPBV		96
12) ACETONE	5.607	43	531629	17.98	PPBV		86
13) PENTANE	6.163	42	285807	16.01	PPBV		88
14) 1,1-DICHLOROETHYLENE	6.441	96	283081	18.45	PPBV	#	64
15) CARBON DISULFIDE	6.873	76	797700	16.93	PPBV		80
16) ETHANOL	5.105	45	88279	17.65	PPBV		94
17) BROMOETHENE	5.382	106	353130	21.30	PPBV	#	93
18) METHYLENE CHLORIDE	6.552	84	514911	30.72	PPBV		68
19) 3-CHLOROPROPENE	6.674	39	393926	20.36	PPBV	#	77
20) FREON 113	6.818	151	690602	21.23	PPBV		97
21) TRANS-1,2-DICHLOROETHY...	7.481	96	258705	19.11	PPBV	#	80
22) TERTIARY BUTYL ALCOHOL	6.434	59	561587	16.54	PPBV		88
23) METHYL TERTIARY BUTYL ...	7.719	73	590018	20.11	PPBV		84
24) TETRAHYDROFURAN	9.148	42	254682	20.34	PPBV		88
25) HEXANE	8.679	57	450777	23.99	PPBV	#	84
26) VINYL ACETATE	7.797	43	619304	21.70	PPBV		94
27) 1,1-DICHLOROETHANE	7.682	63	506030	20.91	PPBV		99
28) METHYL ETHYL KETONE	8.037	43	518023	19.93	PPBV		91
29) cis-1,2-DICHLOROETHYLENE	8.486	96	251990	20.50	PPBV		95
30) ETHYL ACETATE	8.671	43	935250	21.52	PPBV		98
31) CHLOROFORM	8.765	83	733133	21.32	PPBV		95
32) 1,1,1-TRICHLOROETHANE	9.725	97	801482	22.02	PPBV		97
33) CARBON TETRACHLORIDE	10.305	117	961451	21.18	PPBV		95
34) 1,2-DICHLOROETHANE	9.476	62	467805	22.30	PPBV		99
36) BENZENE	10.161	78	679545	18.54	PPBV		98
37) CYCLOHEXANE	10.428	84	291914	18.49	PPBV		99
38) TRICHLOROETHYLENE	11.159	95	399316	19.23	PPBV		94
39) 1,2-DICHLOROPROPANE	10.935	63	233210	17.33	PPBV		93
40) BROMODICHLOROMETHANE	11.120	83	689027	18.90	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	1203227	19.15	PPBV		98
42) 1,4-DIOXANE	11.138	88	124727	18.09	PPBV	#	78
43) HEPTANE	11.420	43	492817	20.06	PPBV		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:10:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration

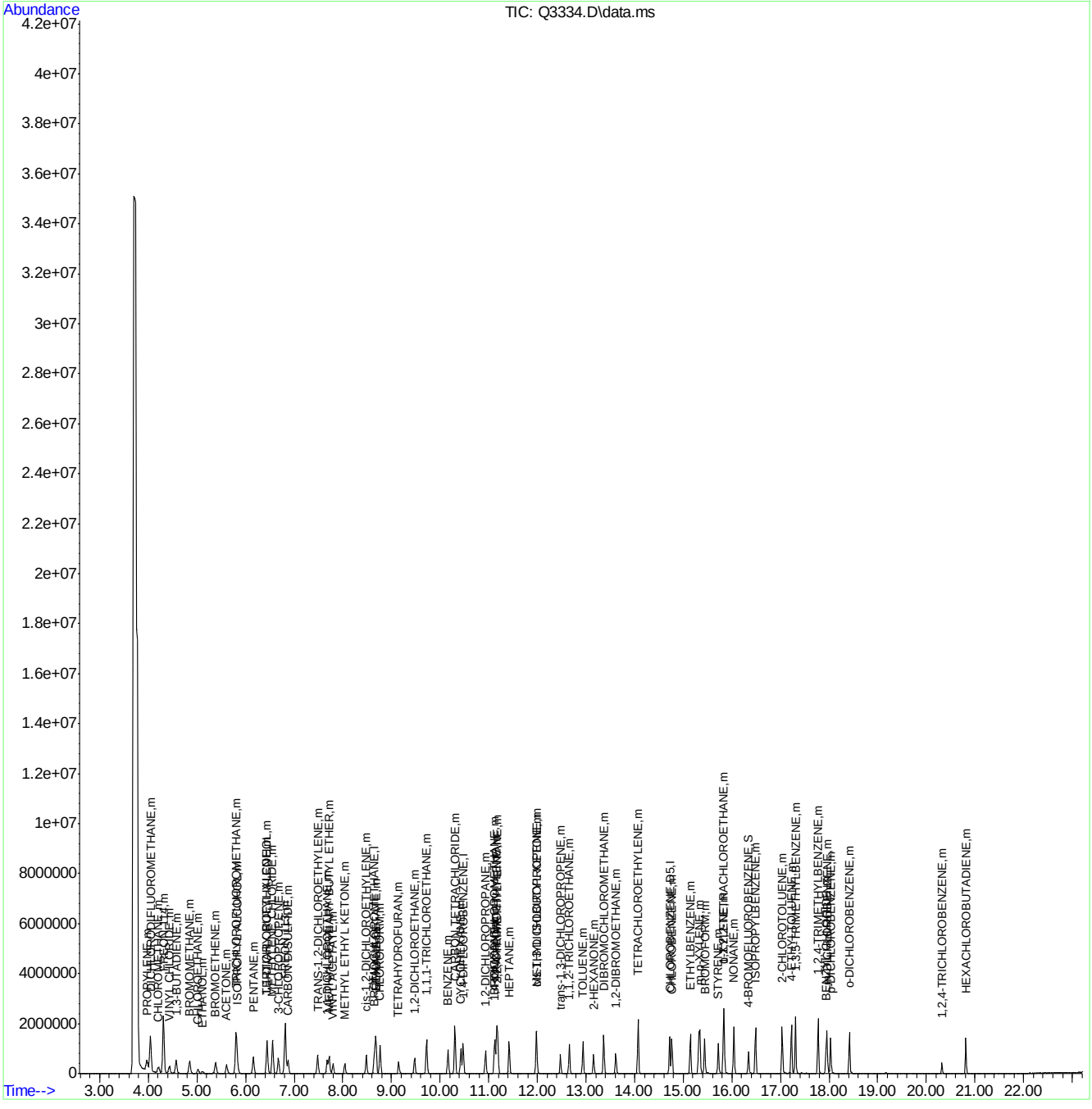
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	660698	19.96 PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.975	75	399267	19.30 PPBV #	73
46) TOLUENE	12.937	92	452462	18.81 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.474	75	306928	18.99 PPBV	84
48) 1,1,2-TRICHLOROETHANE	12.659	83	259580	12.73 PPBV	99
50) 2-HEXANONE	13.154	43	519097	19.51 PPBV	91
51) TETRACHLOROETHYLENE	14.071	164	333585	17.43 PPBV #	86
52) DIBROMOCHLOROMETHANE	13.367	129	701064	19.97 PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	467370	18.14 PPBV	99
54) CHLOROBENZENE	14.765	112	618254	18.13 PPBV	99
55) ETHYLBENZENE	15.145	91	1005168	18.52 PPBV	98
56) m,p-XYLENE	15.344	106	749647m	34.66 PPBV	
57) o-XYLENE	15.841	106	369317	17.15 PPBV	97
58) STYRENE	15.720	104	487120	18.45 PPBV	97
59) NONANE	16.041	43	678049	19.52 PPBV	91
60) BROMOFORM	15.440	173	542122	17.77 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	623427	17.61 PPBV	98
63) ISOPROPYLBENZENE	16.488	105	1099457	13.97 PPBV	97
64) 2-CHLOROTOLUENE	17.035	91	915681	19.31 PPBV	96
65) 4-ETHYLTOLUENE	17.225	105	1037856	19.32 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	1055972	19.22 PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	978695	18.69 PPBV	99
68) m-DICHLOROBENZENE	17.956	146	512171	15.68 PPBV	96
69) BENZYL CHLORIDE	17.935	91	540576	18.14 PPBV	99
70) p-DICHLOROBENZENE	18.031	146	453413	15.39 PPBV	96
71) o-DICHLOROBENZENE	18.419	146	490239	15.10 PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	145141	8.81 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	83836	9.75 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

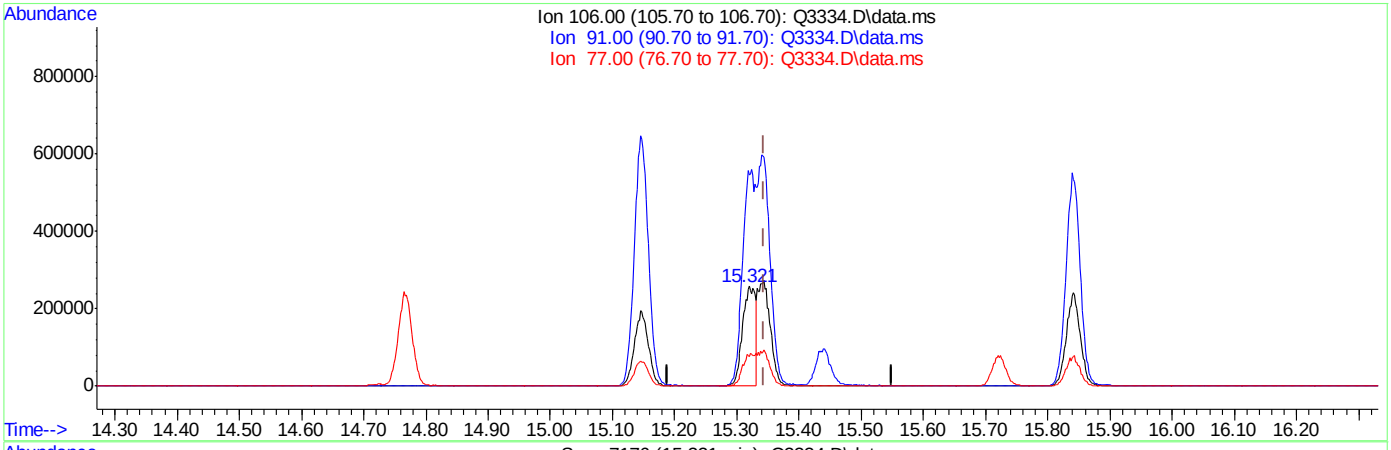
Quant Time: May 04 10:10:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration

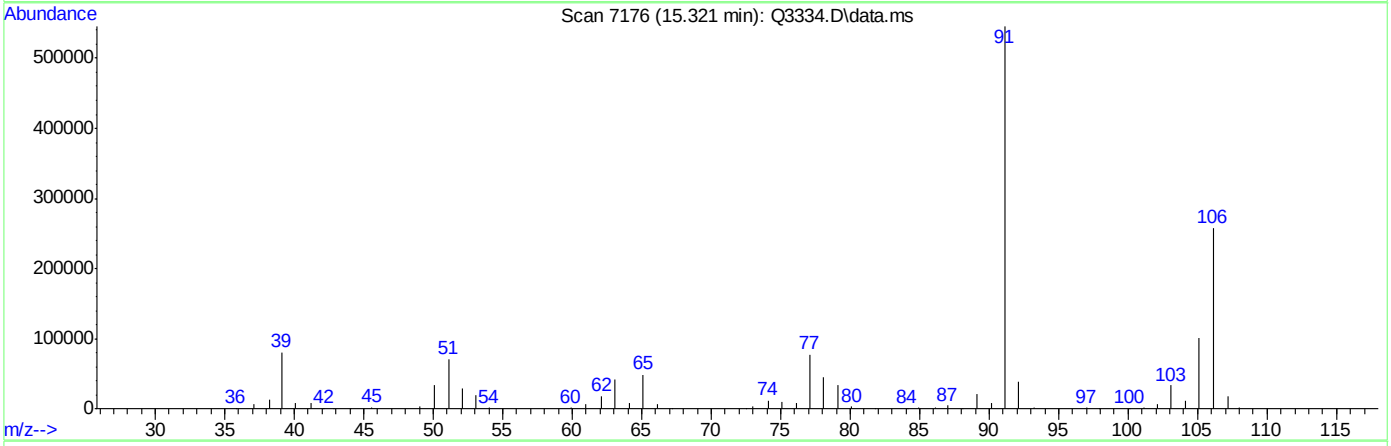


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:09:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration





TIC: Q3334.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 17.14PPBV

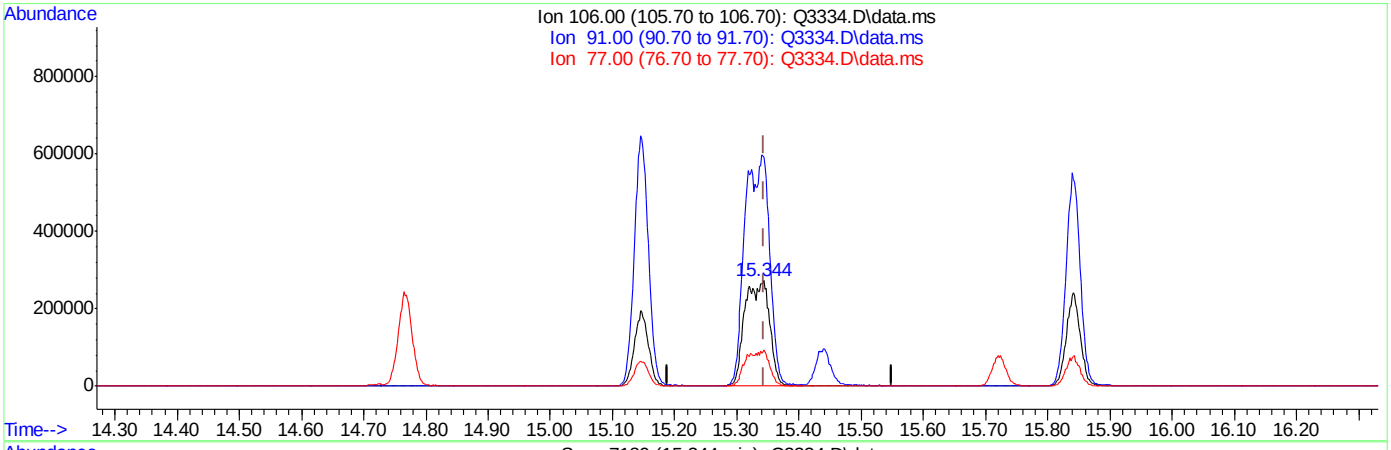
response 370677

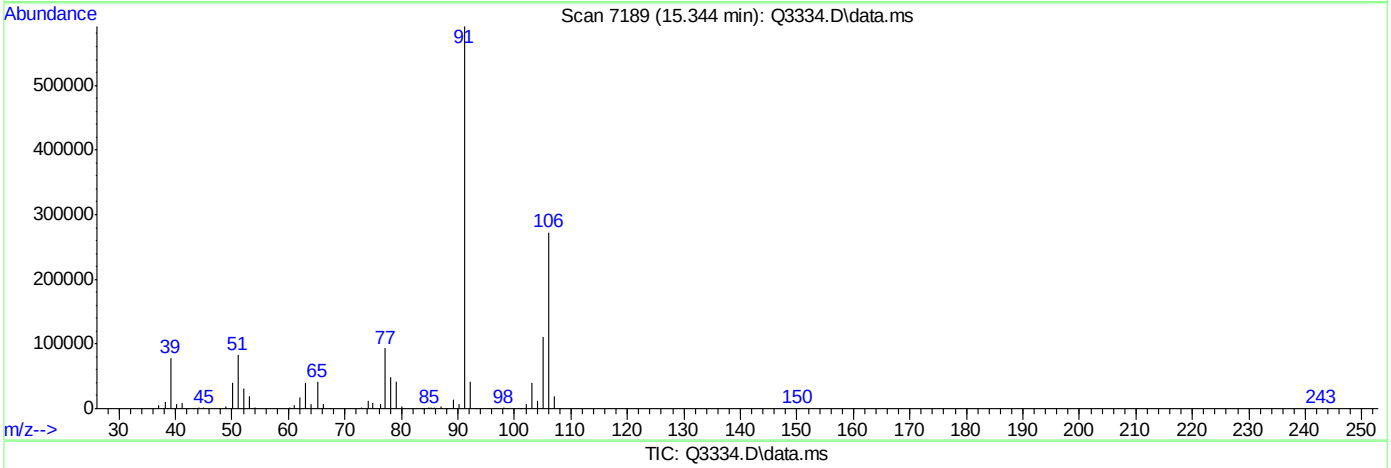
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	211.30
77.00	31.20	29.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:09:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration





TIC: Q3334.D\data.ms

(56) m,p-XYLENE (m)

15.344min (0.000) 34.66PPBV m

response 749647

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	216.78
77.00	31.20	34.28
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:50:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	171906	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	752712	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	644263	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	249280	4.44	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	644779	7.97	PPBV	97
3) PROPYLENE	3.969	41	113218	7.84	PPBV	83
4) FREON 114	4.303	85	593340	8.79	PPBV	99
5) CHLOROMETHANE	4.205	50	154295	9.74	PPBV	94
6) VINYL CHLORIDE	4.426	62	162242	9.31	PPBV	97
7) 1,3-BUTADIENE	4.562	39	170608	9.32	PPBV #	77
8) BROMOMETHANE	4.839	94	174057	8.91	PPBV	99
9) CHLOROETHANE	5.013	64	64045	9.04	PPBV	87
10) TRICHLOROFLUOROMETHANE	5.794	101	786683	8.92	PPBV	98
11) ISOPROPYL ALCOHOL	5.835	45	252489	8.59	PPBV	92
12) ACETONE	5.600	43	269943	8.96	PPBV	84
13) PENTANE	6.152	42	154556	8.98	PPBV	89
14) 1,1-DICHLOROETHYLENE	6.435	96	146433	8.69	PPBV #	66
15) CARBON DISULFIDE	6.868	76	434967	9.21	PPBV	81
16) ETHANOL	5.098	45	45183	9.34	PPBV	91
17) BROMOETHENE	5.373	106	166751	8.83	PPBV #	93
18) METHYLENE CHLORIDE	6.550	84	260585	11.35	PPBV	68
19) 3-CHLOROPROPENE	6.671	39	190315	8.14	PPBV #	79
20) FREON 113	6.806	151	328721	8.08	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.475	96	146824	9.84	PPBV #	82
22) TERTIARY BUTYL ALCOHOL	6.438	59	311659	8.81	PPBV	86
23) METHYL TERTIARY BUTYL ...	7.718	73	336349	9.80	PPBV	83
24) TETRAHYDROFURAN	9.148	42	121403	8.10	PPBV	91
25) HEXANE	8.674	57	228435	9.48	PPBV	89
26) VINYL ACETATE	7.796	43	306766	8.46	PPBV	90
27) 1,1-DICHLOROETHANE	7.673	63	274495	9.36	PPBV	98
28) METHYL ETHYL KETONE	8.037	43	250520	8.29	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.479	96	136248	9.15	PPBV	95
30) ETHYL ACETATE	8.671	43	457842	8.40	PPBV	97
31) CHLOROFORM	8.761	83	349357	8.00	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.721	97	354339	7.32	PPBV	100
33) CARBON TETRACHLORIDE	10.304	117	430196	7.27	PPBV	95
34) 1,2-DICHLOROETHANE	9.473	62	195239	7.07	PPBV	99
36) BENZENE	10.162	78	317896	8.82	PPBV	98
37) CYCLOHEXANE	10.428	84	147025	10.00	PPBV	97
38) TRICHLOROETHYLENE	11.159	95	187700	8.26	PPBV	98
39) 1,2-DICHLOROPROPANE	10.935	63	123376	9.57	PPBV	96
40) BROMODICHLOROMETHANE	11.122	83	312049	7.92	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	567514	8.65	PPBV	98
42) 1,4-DIOXANE	11.148	88	65510	9.54	PPBV	97
43) HEPTANE	11.418	43	221797	8.20	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:50:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration

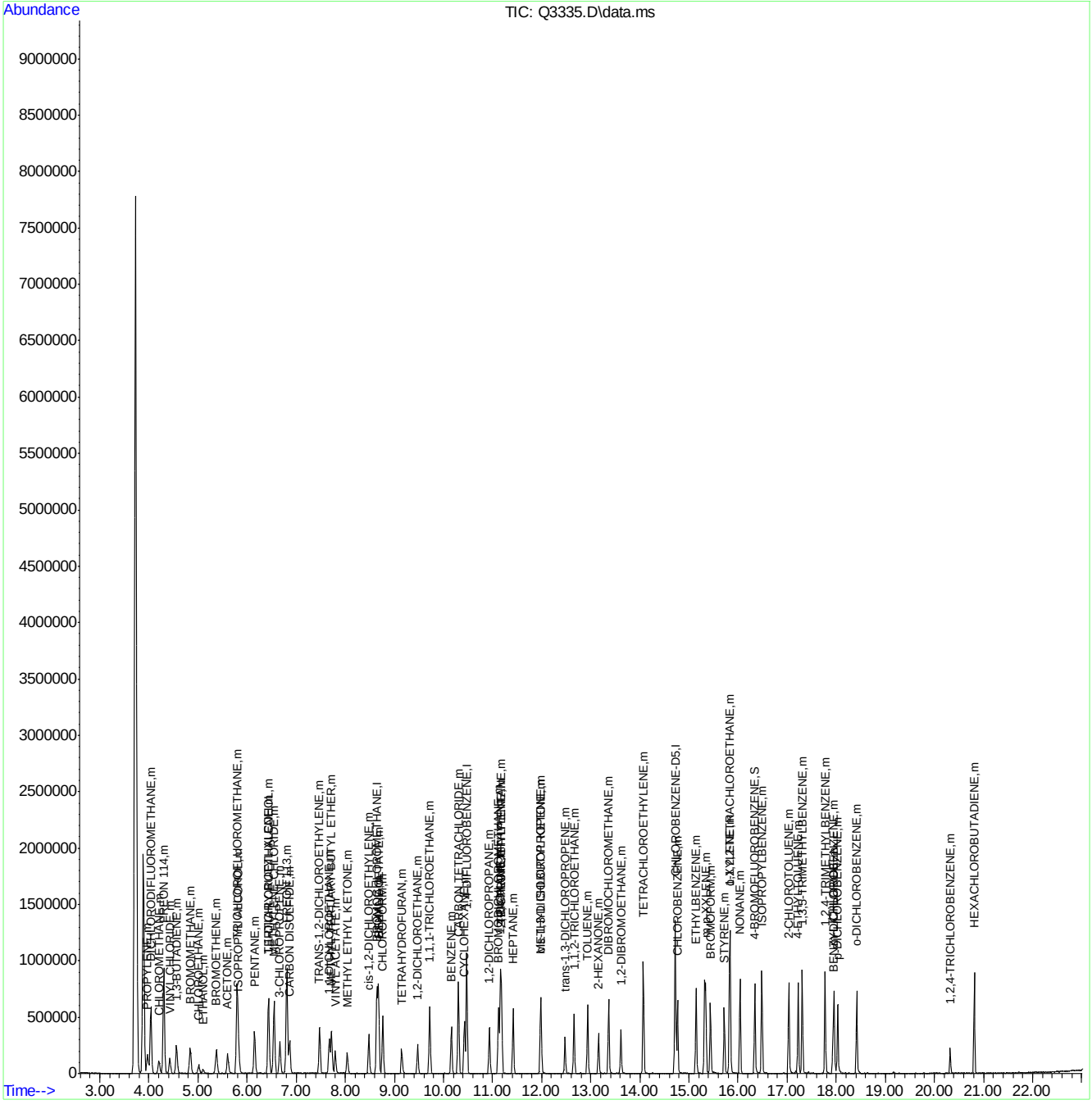
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	295066	8.17	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.975	75	183643	8.14	PPBV	85
46) TOLUENE	12.937	92	219445	8.84	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.478	75	140567	7.71	PPBV	90
48) 1,1,2-TRICHLOROETHANE	12.657	83	129348	3.65	PPBV	98
50) 2-HEXANONE	13.157	43	241826	7.89	PPBV	93
51) TETRACHLOROETHYLENE	14.071	164	167922	6.75	PPBV	89
52) DIBROMOCHLOROMETHANE	13.367	129	308942	7.43	PPBV	99
53) 1,2-DIBROMOETHANE	13.619	107	230152	8.45	PPBV	98
54) CHLOROBENZENE	14.769	112	304595	8.80	PPBV	95
55) ETHYLBENZENE	15.145	91	501257	8.46	PPBV	96
56) m,p-XYLENE	15.337	106	386703m	17.16	PPBV	
57) o-XYLENE	15.841	106	197326	8.63	PPBV	90
58) STYRENE	15.720	104	246053	8.17	PPBV	98
59) NONANE	16.040	43	314454	8.03	PPBV	92
60) BROMOFORM	15.440	173	251209	6.59	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	328320	8.73	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	542949	4.88	PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	401983	7.06	PPBV	96
65) 4-ETHYLTOLUENE	17.227	105	442269	6.75	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	451623	6.76	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	419950	6.46	PPBV	96
68) m-DICHLOROBENZENE	17.956	146	234519	6.14	PPBV	97
69) BENZYL CHLORIDE	17.937	91	222767	5.72	PPBV	99
70) p-DICHLOROBENZENE	18.029	146	193220	5.65	PPBV	98
71) o-DICHLOROBENZENE	18.421	146	230849	6.23	PPBV	99
72) HEXACHLOROBUTADIENE	20.812	225	97983	6.84	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.322	180	46924	6.56	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

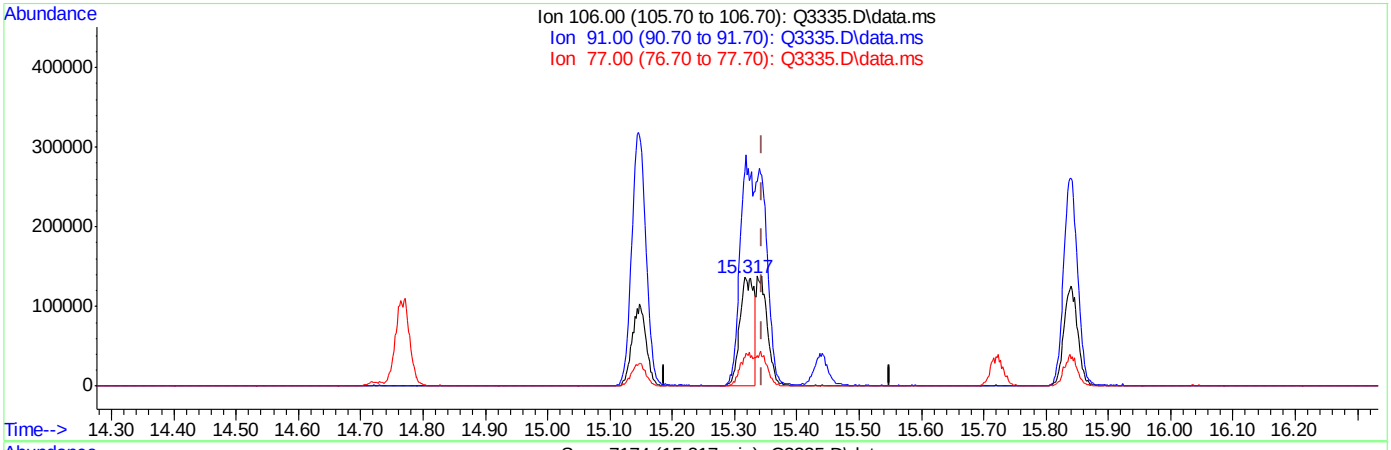
Quant Time: May 04 10:50:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration

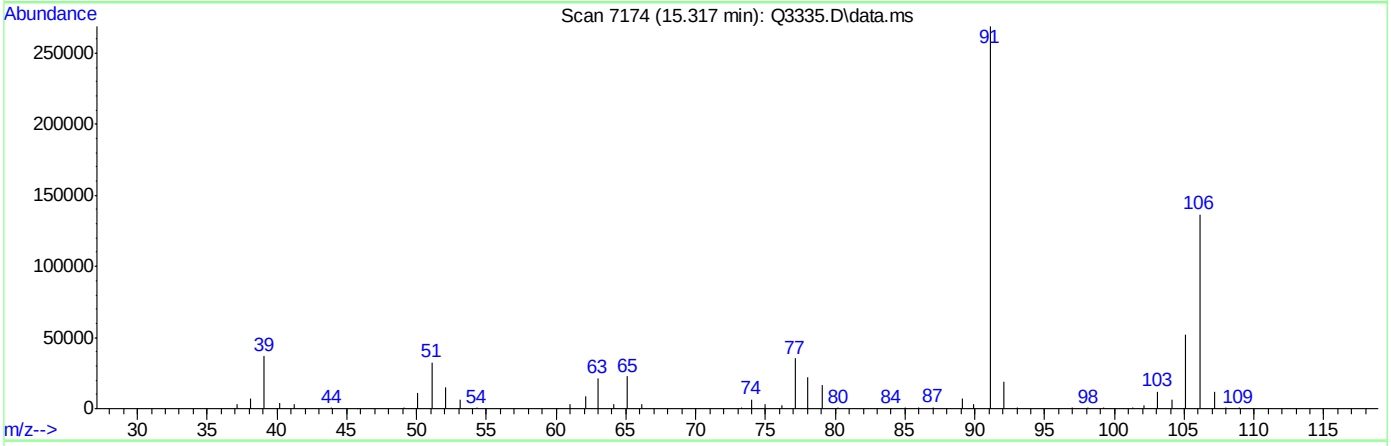


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:49:51 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration





TIC: Q3335.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.026) 9.64PPBV

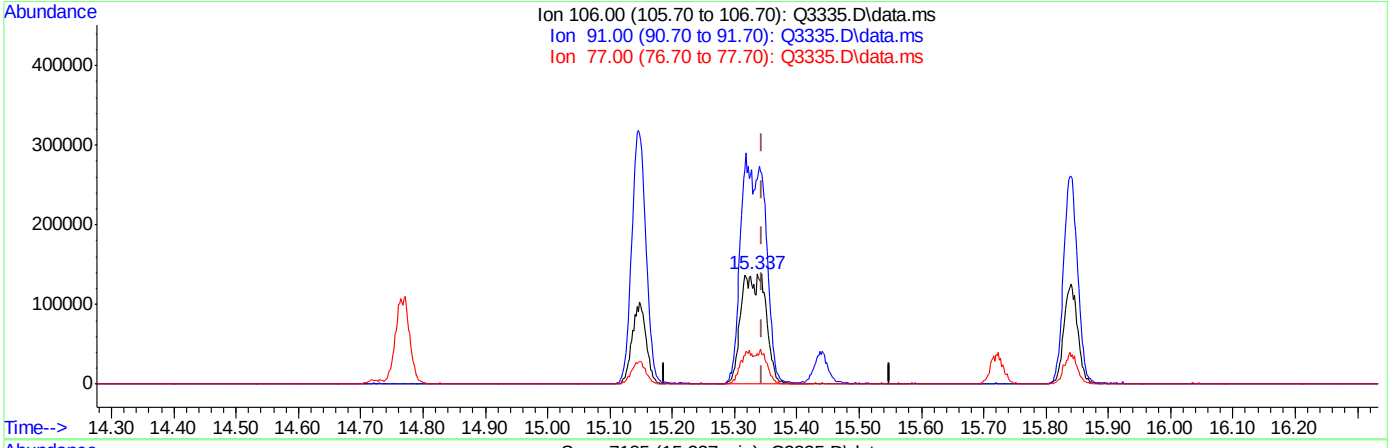
response 217113

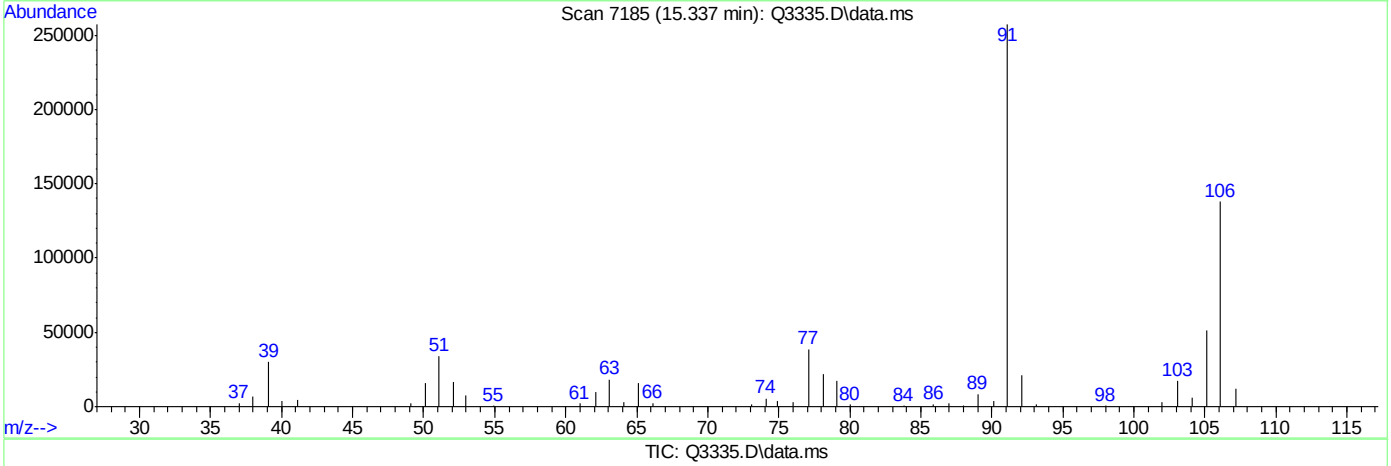
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	197.00
77.00	31.20	25.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:49:51 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration





TIC: Q3335.D\data.ms

(56) m,p-XYLENE (m)

15.337min (-0.007) 17.16PPBV m

response 386703

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	186.46
77.00	31.20	28.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:33:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	169088	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	758871	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	600276	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.339	95	239329	4.75	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 95.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	342828	4.62	PPBV	97
3) PROPYLENE	3.969	41	73818	5.60	PPBV	90
4) FREON 114	4.299	85	282840	4.44	PPBV	99
5) CHLOROMETHANE	4.202	50	75020	4.86	PPBV	96
6) VINYL CHLORIDE	4.424	62	74629	4.46	PPBV #	69
7) 1,3-BUTADIENE	4.566	39	71174	4.04	PPBV #	78
8) BROMOMETHANE	4.839	94	80774	4.36	PPBV	99
9) CHLOROETHANE	5.024	64	25417m	3.77	PPBV	
10) TRICHLOROFLUOROMETHANE	5.797	101	349504	4.18	PPBV	97
11) ISOPROPYL ALCOHOL	5.831	45	113089	4.10	PPBV	91
12) ACETONE	5.606	43	119460	4.18	PPBV	86
13) PENTANE	6.156	42	71620	4.38	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.436	96	62428	3.94	PPBV #	59
15) CARBON DISULFIDE	6.869	76	217366	4.81	PPBV	97
16) ETHANOL	5.116	45	20607	4.43	PPBV #	50
17) BROMOETHENE	5.375	106	76906	4.31	PPBV #	57
18) METHYLENE CHLORIDE	6.550	84	109459	4.64	PPBV	62
19) 3-CHLOROPROPENE	6.670	39	79887	3.70	PPBV #	81
20) FREON 113	6.814	151	138050	3.69	PPBV	91
21) TRANS-1,2-DICHLOROETHY...	7.482	96	62524	4.28	PPBV #	77
22) TERTIARY BUTYL ALCOHOL	6.438	59	128452	3.84	PPBV	82
23) METHYL TERTIARY BUTYL ...	7.716	73	147061	4.39	PPBV	81
24) TETRAHYDROFURAN	9.153	42	58818	4.26	PPBV	91
25) HEXANE	8.683	57	111907	4.80	PPBV	97
26) VINYL ACETATE	7.796	43	132892	3.93	PPBV	88
27) 1,1-DICHLOROETHANE	7.673	63	114486	4.05	PPBV	99
28) METHYL ETHYL KETONE	8.042	43	113098	4.03	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.481	96	58860	4.14	PPBV	92
30) ETHYL ACETATE	8.678	43	209023	4.12	PPBV	98
31) CHLOROFORM	8.761	83	158921	3.97	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.718	97	154971	3.58	PPBV	97
33) CARBON TETRACHLORIDE	10.303	117	186239	3.52	PPBV	93
34) 1,2-DICHLOROETHANE	9.473	62	90262	3.68	PPBV	98
36) BENZENE	10.165	78	143446	4.11	PPBV	100
37) CYCLOHEXANE	10.428	84	71670	4.84	PPBV	95
38) TRICHLOROETHYLENE	11.161	95	85532	3.96	PPBV	98
39) 1,2-DICHLOROPROPANE	10.939	63	57987	4.53	PPBV	96
40) BROMODICHLOROMETHANE	11.118	83	140616	3.80	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.178	57	251105	3.97	PPBV #	90
42) 1,4-DIOXANE	11.145	88	30863	4.53	PPBV	88
43) HEPTANE	11.418	43	97983	3.82	PPBV	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:33:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration

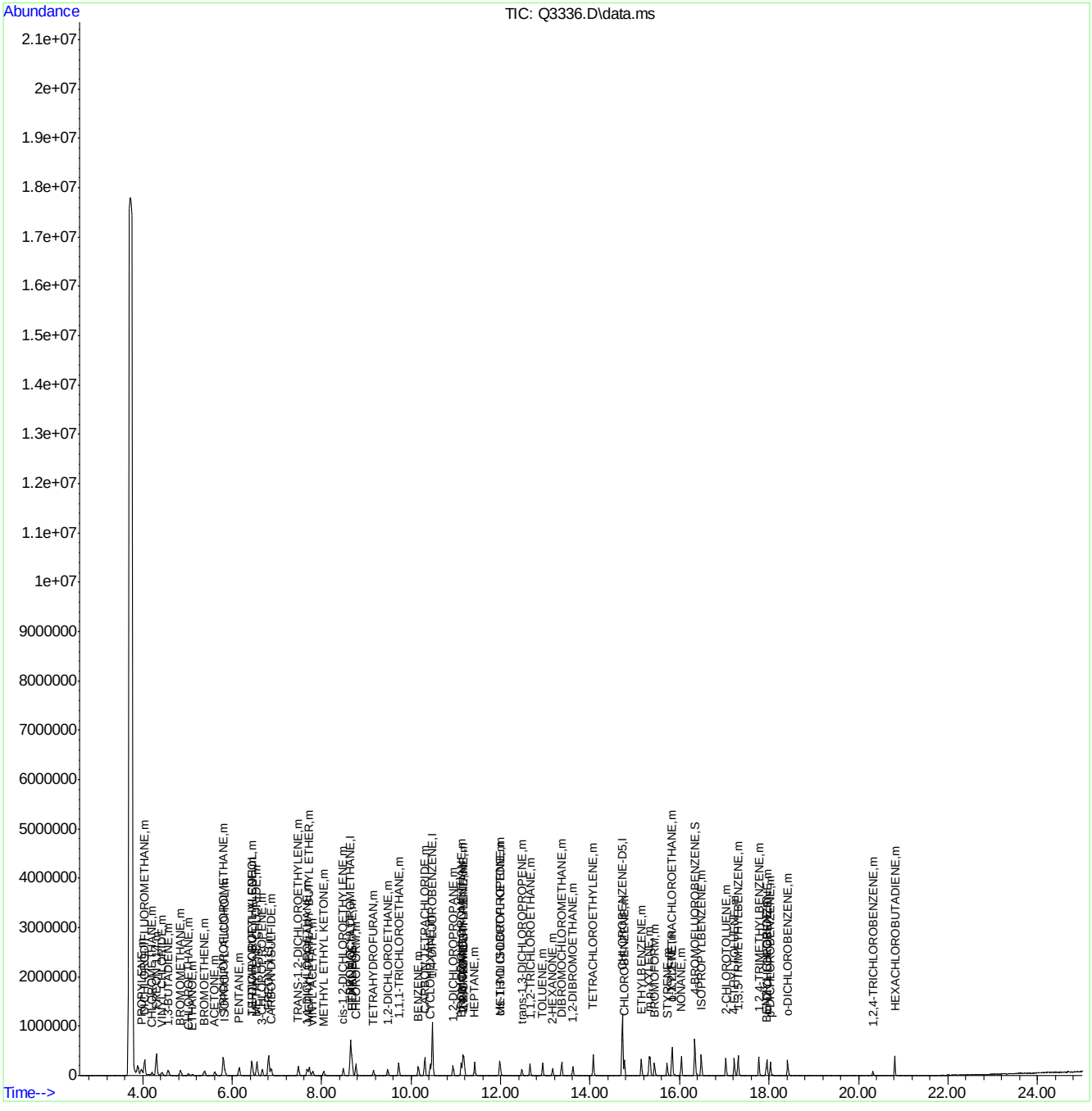
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	130757	3.82	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.972	75	81643	3.83	PPBV	85
46) TOLUENE	12.941	92	95062	3.95	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.476	75	57476	3.38	PPBV	90
48) 1,1,2-TRICHLOROETHANE	12.660	83	57043	2.03	PPBV	98
50) 2-HEXANONE	13.157	43	99685	3.75	PPBV	91
51) TETRACHLOROETHYLENE	14.073	164	68415	3.31	PPBV	90
52) DIBROMOCHLOROMETHANE	13.367	129	130367	3.68	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	100200	4.16	PPBV	96
54) CHLOROBENZENE	14.765	112	139187	4.50	PPBV	93
55) ETHYLBENZENE	15.147	91	217959	4.16	PPBV	95
56) m,p-XYLENE	15.323	106	179882	8.99	PPBV	80
57) o-XYLENE	15.839	106	91304	4.49	PPBV	90
58) STYRENE	15.724	104	106023	4.02	PPBV	98
59) NONANE	16.041	43	142386	4.18	PPBV	93
60) BROMOFORM	15.438	173	101320	3.22	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.827	83	152256	4.54	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	248411	2.89	PPBV	98
64) 2-CHLOROTOLUENE	17.033	91	172979	3.62	PPBV	97
65) 4-ETHYLTOLUENE	17.223	105	183848	3.38	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	194473	3.50	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	177991	3.33	PPBV	95
68) m-DICHLOROBENZENE	17.956	146	104397	3.37	PPBV	97
69) BENZYL CHLORIDE	17.931	91	81386	2.61	PPBV	97
70) p-DICHLOROBENZENE	18.034	146	100302m	3.68	PPBV	
71) o-DICHLOROBENZENE	18.416	146	106020	3.51	PPBV	96
72) HEXACHLOROBUTADIENE	20.812	225	39801	3.33	PPBV	94
73) 1,2,4-TRICHLOROBENZENE	20.320	180	19229	3.26	PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:33:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration

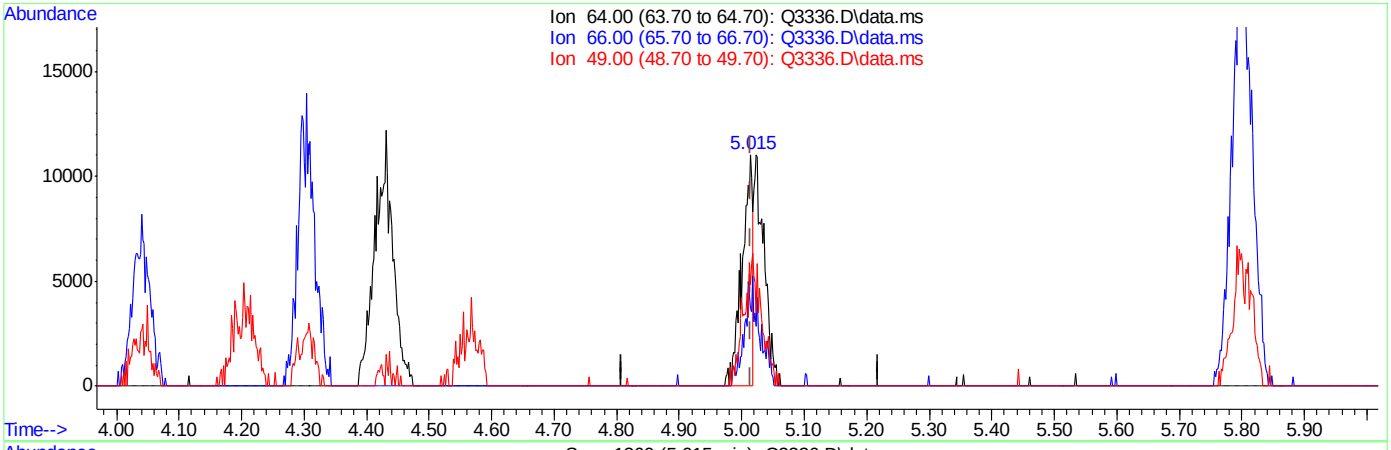


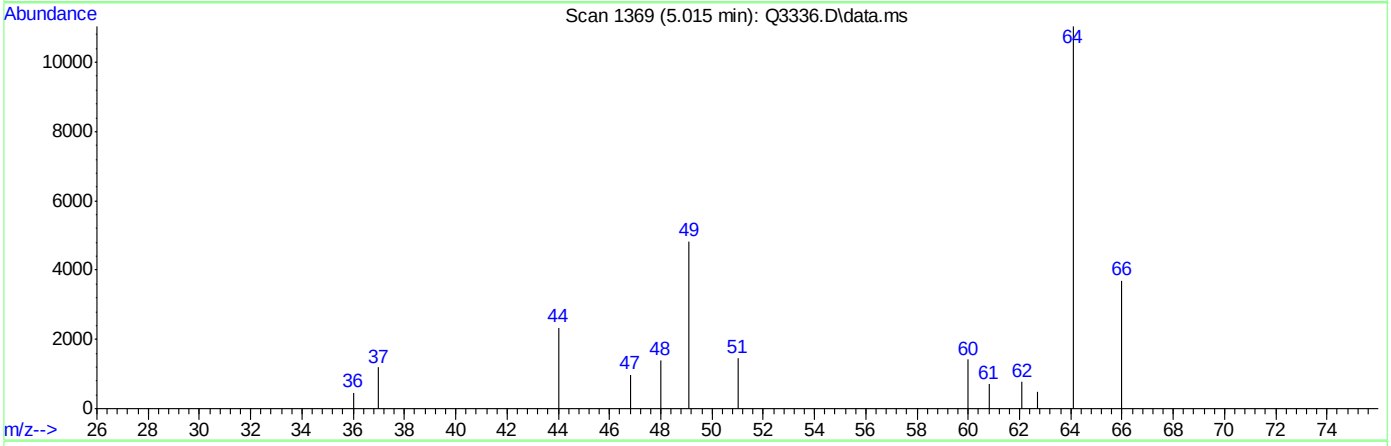
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





(9) CHLOROETHANE (m)

5.015min (+0.001) 1.92PPBV

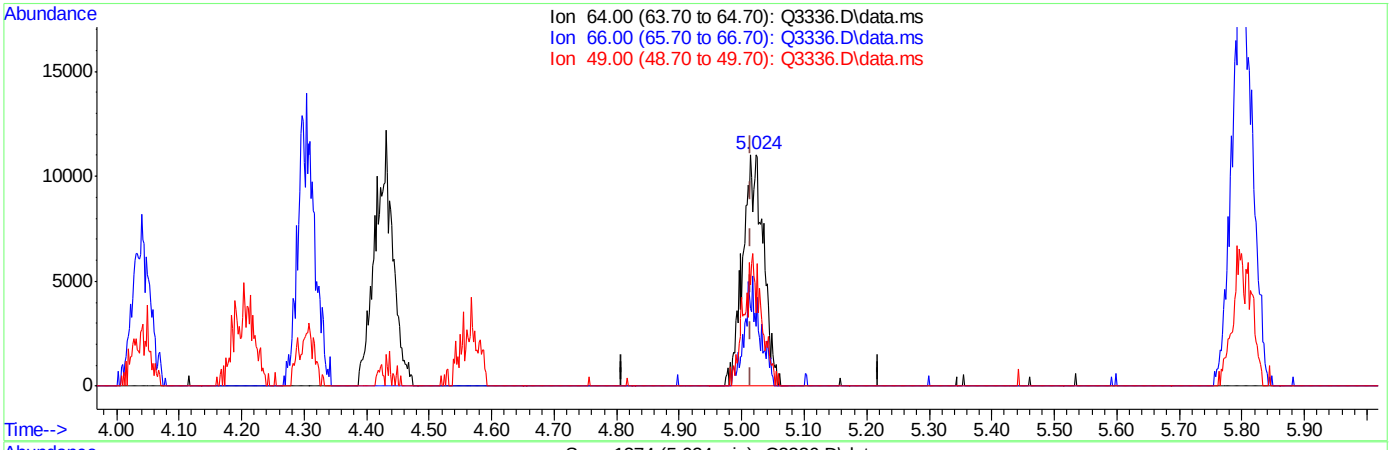
response 12928

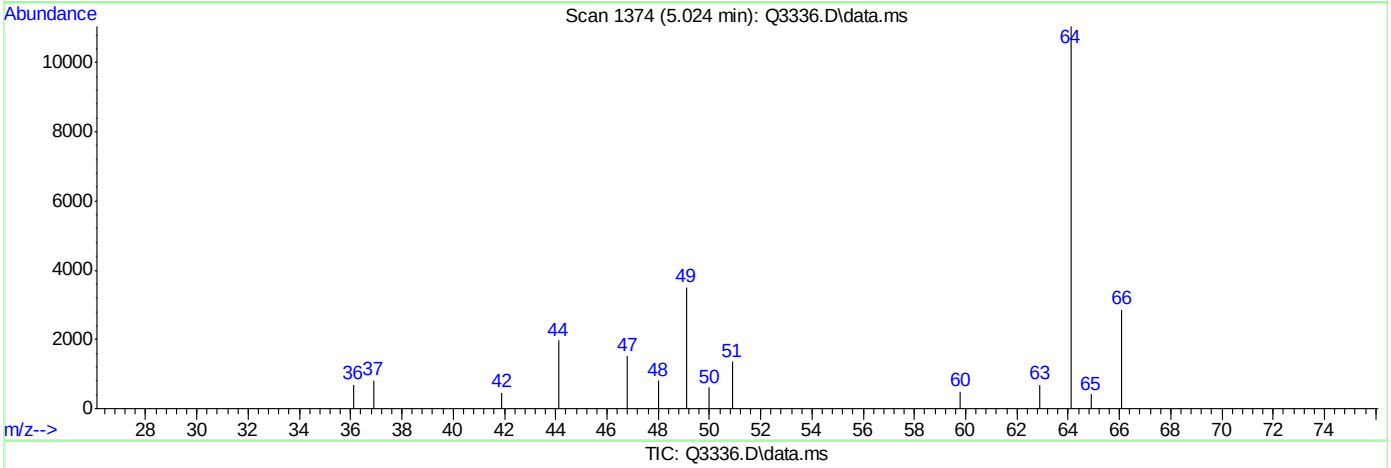
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	67.60#
49.00	30.70	63.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





TIC: Q3336.D\data.ms

(9) CHLOROETHANE (m)

5.024min (+0.010) 3.77PPBV m

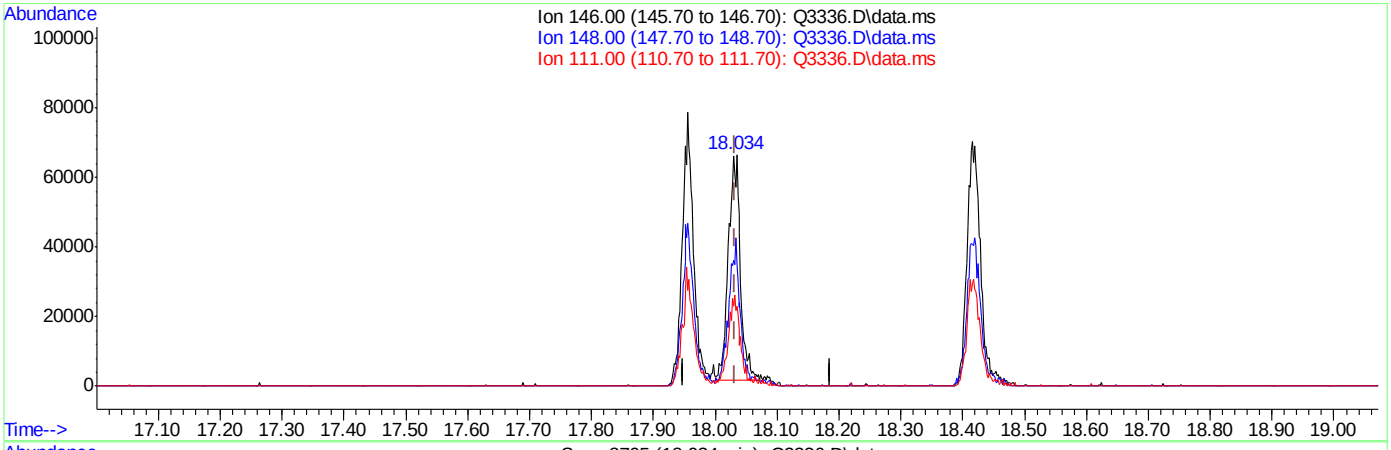
response 25417

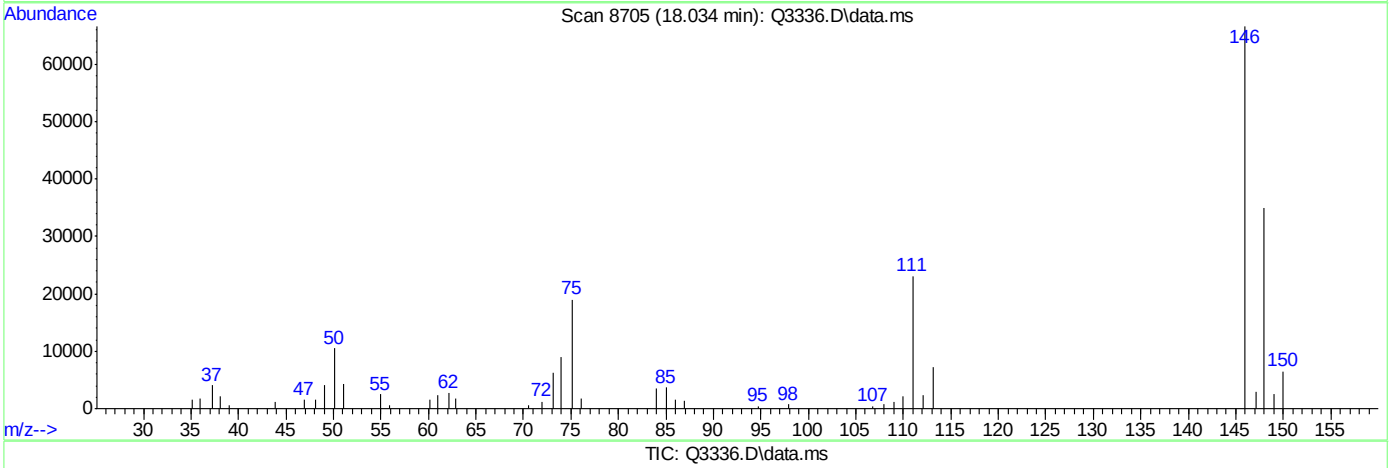
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	34.38
49.00	30.70	32.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





TIC: Q3336.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.002) 3.31PPBV

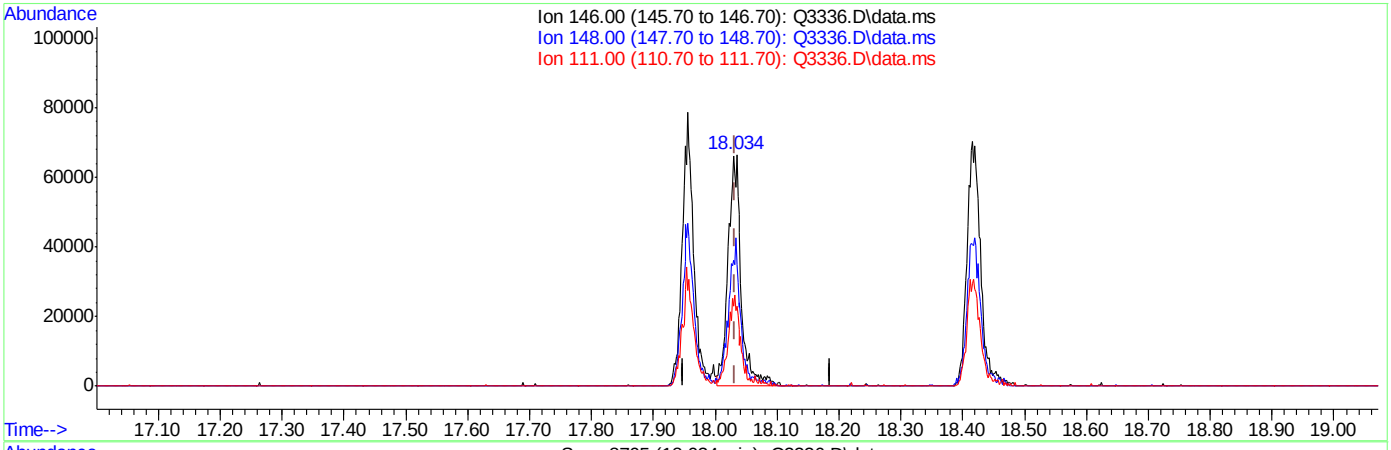
response 90240

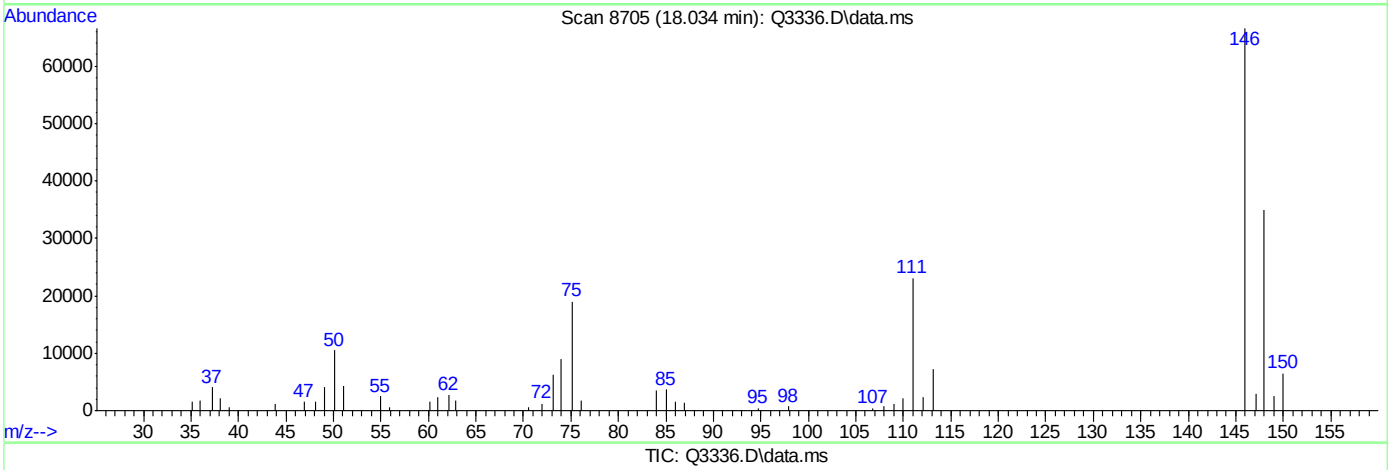
Ion	Exp%	Act%
146.00	100	100
148.00	64.00	54.67
111.00	39.20	37.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





TIC: Q3336.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.002) 3.68PPBV m

response 100302

Ion	Exp%	Act%
146.00	100	100
148.00	64.00	49.18
111.00	39.20	33.42
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:28:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	224559	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.470	114	1068771	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.719	117	858732	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	322638	4.53	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.042	85	141527	1.46	PPBV	97
3) PROPYLENE	3.966	41	30195	1.67	PPBV	96
4) FREON 114	4.303	85	126039	1.53	PPBV	99
5) CHLOROMETHANE	4.204	50	34116	1.68	PPBV	93
6) VINYL CHLORIDE	4.427	62	35345m	1.63	PPBV	
7) 1,3-BUTADIENE	4.564	39	35069	1.58	PPBV #	65
8) BROMOMETHANE	4.844	94	37733	1.59	PPBV	97
9) CHLOROETHANE	5.016	64	14126	1.68	PPBV	76
10) TRICHLOROFLUOROMETHANE	5.799	101	152966	1.44	PPBV	96
11) ISOPROPYL ALCOHOL	5.836	45	61161	1.75	PPBV	84
12) ACETONE	5.606	43	74285	2.04	PPBV	65
13) PENTANE	6.145	42	37222	1.77	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.438	96	33219	1.67	PPBV #	86
15) CARBON DISULFIDE	6.866	76	99940	1.68	PPBV	84
16) ETHANOL	5.102	45	12222	2.04	PPBV #	61
17) BROMOETHENE	5.375	106	37250	1.63	PPBV #	90
18) METHYLENE CHLORIDE	6.553	84	67760m	2.20	PPBV	
19) 3-CHLOROPROPENE	6.667	39	34373	1.28	PPBV	91
20) FREON 113	6.814	151	63027	1.36	PPBV #	81
21) TRANS-1,2-DICHLOROETHY...	7.482	96	31690	1.70	PPBV	89
22) TERTIARY BUTYL ALCOHOL	6.445	59	55868	1.34	PPBV	81
23) METHYL TERTIARY BUTYL ...	7.716	73	73438	1.70	PPBV	85
24) TETRAHYDROFURAN	9.152	42	30610	1.73	PPBV	89
25) HEXANE	8.681	57	55752	1.82	PPBV	87
26) VINYL ACETATE	7.796	43	71086	1.67	PPBV	89
27) 1,1-DICHLOROETHANE	7.673	63	62103	1.74	PPBV	97
28) METHYL ETHYL KETONE	8.037	43	62348	1.76	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.481	96	30251	1.67	PPBV	94
30) ETHYL ACETATE	8.671	43	114080	1.77	PPBV	97
31) CHLOROFORM	8.756	83	85812	1.70	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.716	97	92470	1.73	PPBV	96
33) CARBON TETRACHLORIDE	10.303	117	106832	1.64	PPBV	94
34) 1,2-DICHLOROETHANE	9.471	62	58157	1.91	PPBV	98
36) BENZENE	10.163	78	85248	1.82	PPBV	98
37) CYCLOHEXANE	10.426	84	35425	1.71	PPBV	85
38) TRICHLOROETHYLENE	11.157	95	48027	1.67	PPBV	97
39) 1,2-DICHLOROPROPANE	10.934	63	31585	1.79	PPBV	95
40) BROMODICHLOROMETHANE	11.118	83	81324	1.66	PPBV	94
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	136700	1.62	PPBV	96
42) 1,4-DIOXANE	11.148	88	15655	1.67	PPBV	80
43) HEPTANE	11.422	43	52027	1.53	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:28:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration

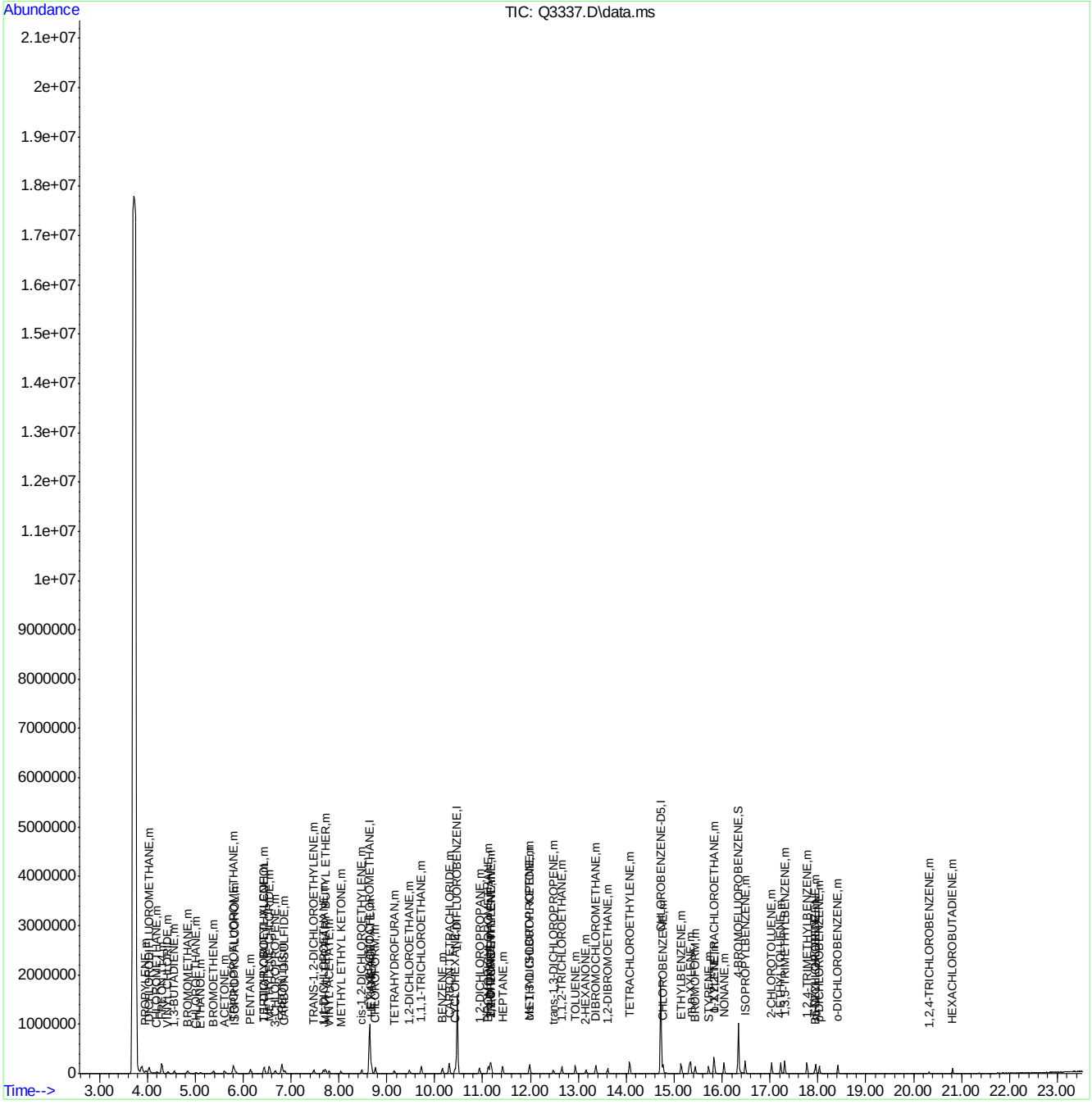
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	73494	1.62 PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.972	75	47384	1.68 PPBV #	82
46) TOLUENE	12.934	92	56216	1.75 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.476	75	35292	1.61 PPBV	89
48) 1,1,2-TRICHLOROETHANE	12.657	83	34241	1.01 PPBV	98
50) 2-HEXANONE	13.157	43	55939	1.57 PPBV	92
51) TETRACHLOROETHYLENE	14.075	164	39845	1.47 PPBV	86
52) DIBROMOCHLOROMETHANE	13.365	129	80569	1.70 PPBV	98
53) 1,2-DIBROMOETHANE	13.613	107	59495	1.80 PPBV	96
54) CHLOROBENZENE	14.769	112	82076	1.90 PPBV	96
55) ETHYLBENZENE	15.143	91	126472	1.76 PPBV	97
56) m,p-XYLENE	15.333	106	103162m	3.70 PPBV	
57) o-XYLENE	15.839	106	51191	1.81 PPBV	94
58) STYRENE	15.722	104	57833	1.61 PPBV	99
59) NONANE	16.041	43	78618	1.68 PPBV	96
60) BROMOFORM	15.436	173	60185	1.47 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.825	83	84274	1.80 PPBV	99
63) ISOPROPYLBENZENE	16.485	105	144940	1.32 PPBV	97
64) 2-CHLOROTOLUENE	17.037	91	106297	1.67 PPBV	96
65) 4-ETHYLTOLUENE	17.225	105	114982	1.61 PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	118979	1.62 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	103425	1.48 PPBV	94
68) m-DICHLOROBENZENE	17.955	146	57105	1.40 PPBV	98
69) BENZYL CHLORIDE	17.930	91	42478	1.08 PPBV	98
70) p-DICHLOROBENZENE	18.034	146	52384	1.44 PPBV	98
71) o-DICHLOROBENZENE	18.414	146	56793	1.42 PPBV	97
72) HEXACHLOROBUTADIENE	20.812	225	11818	0.75 PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.326	180	5692	0.74 PPBV	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:28:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration

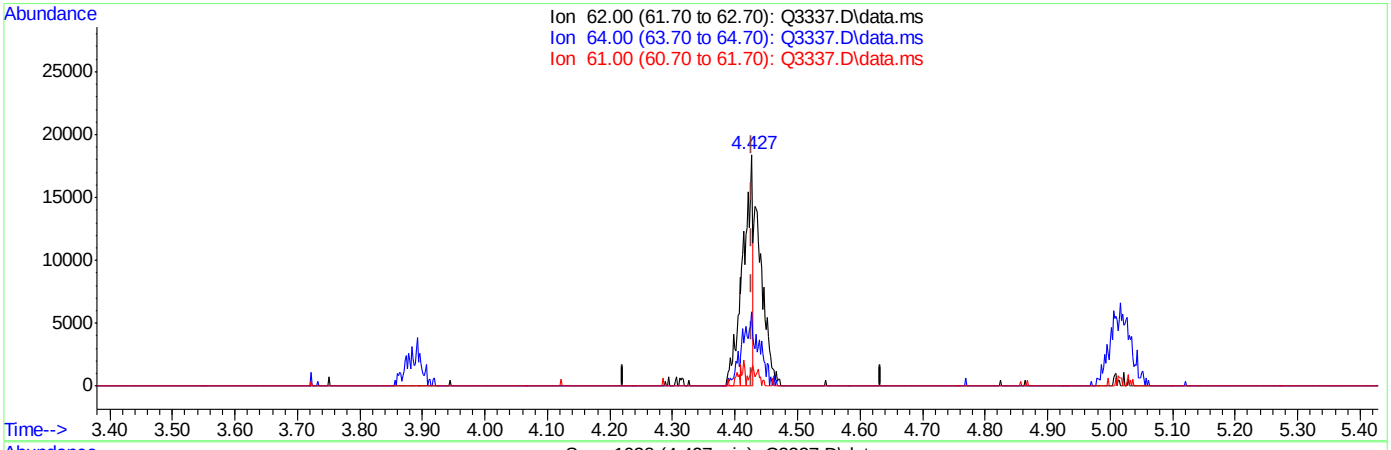


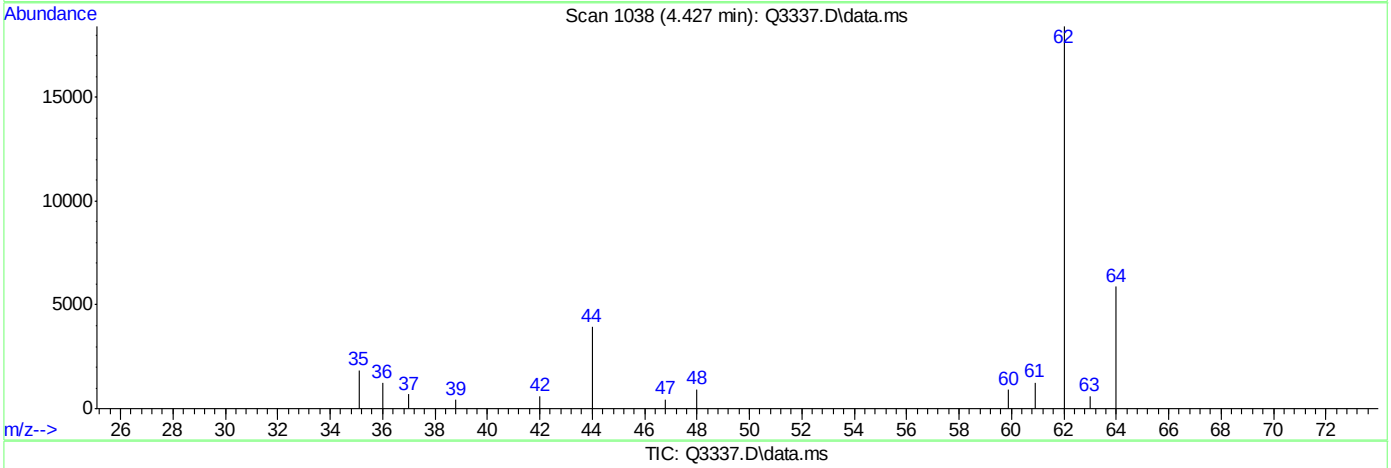
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(6) VINYL CHLORIDE (m)

4.427min (+0.000) 0.93PPBV

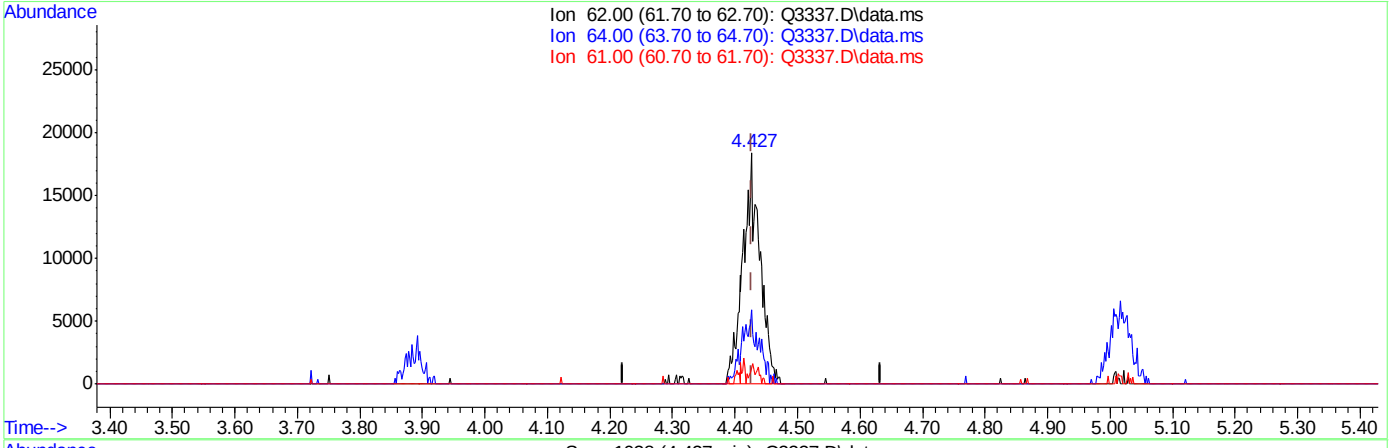
response 20192

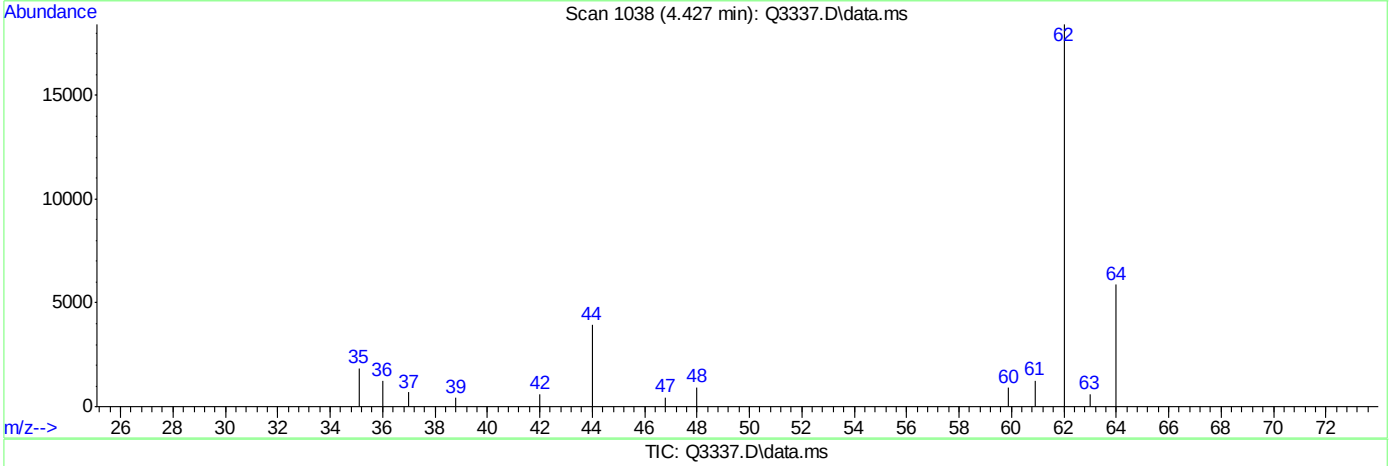
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	40.59
61.00	8.20	6.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(6) VINYL CHLORIDE (m)

4.427min (+0.000) 1.63PPBV m

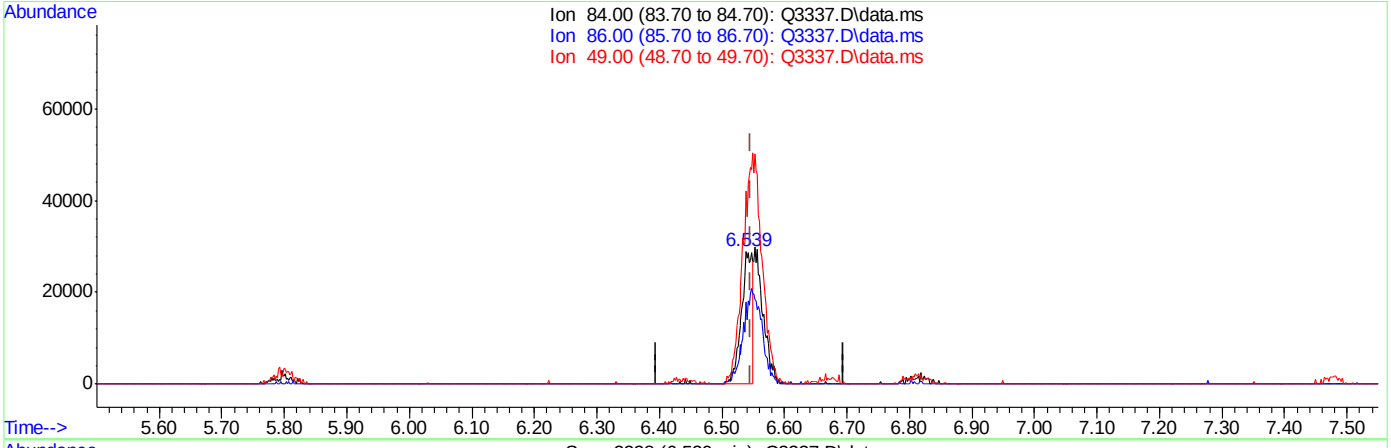
response 35345

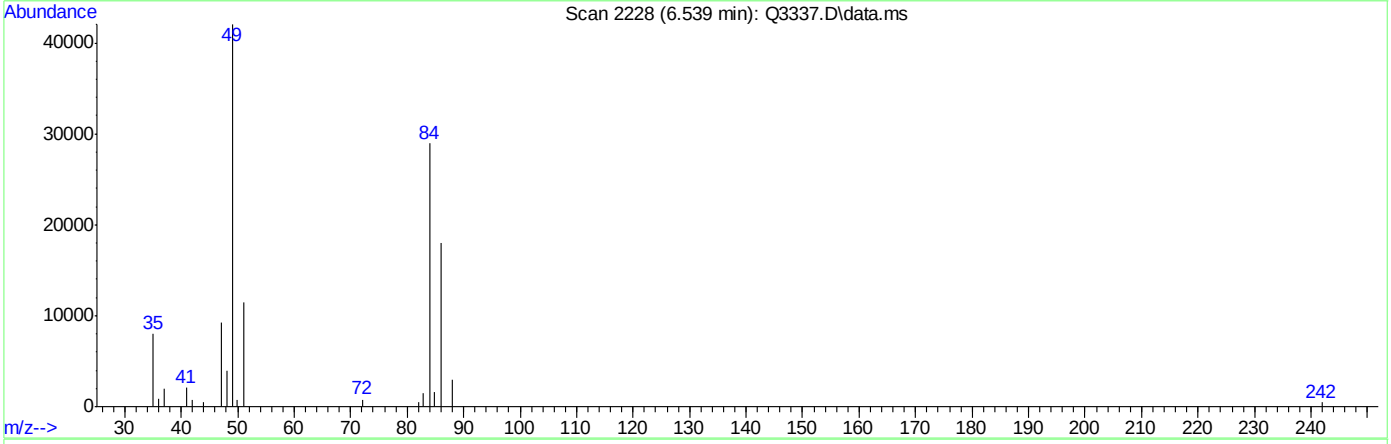
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	23.19
61.00	8.20	3.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.539min (-0.007) 1.19PPBV

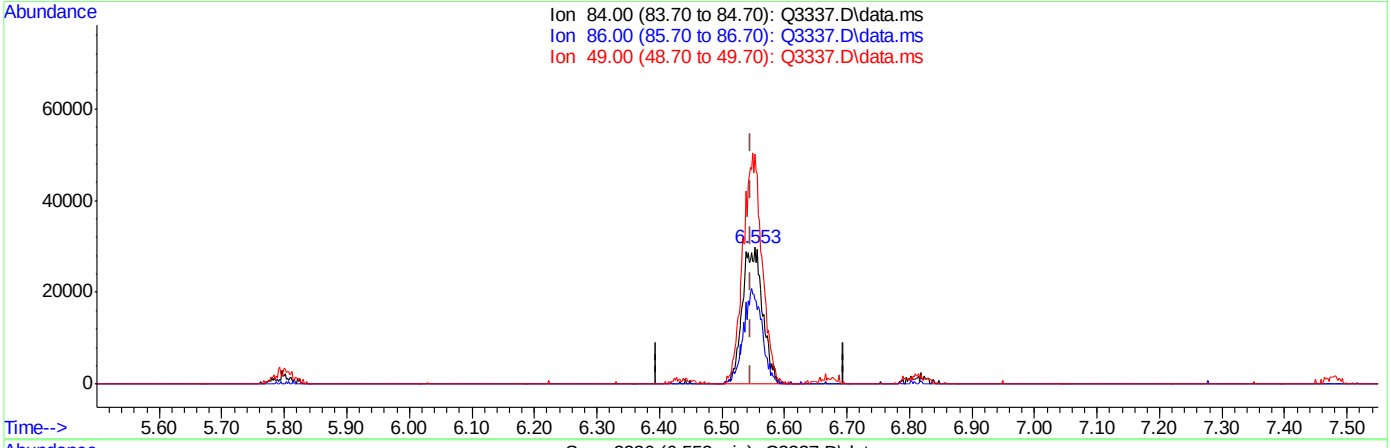
response 36597

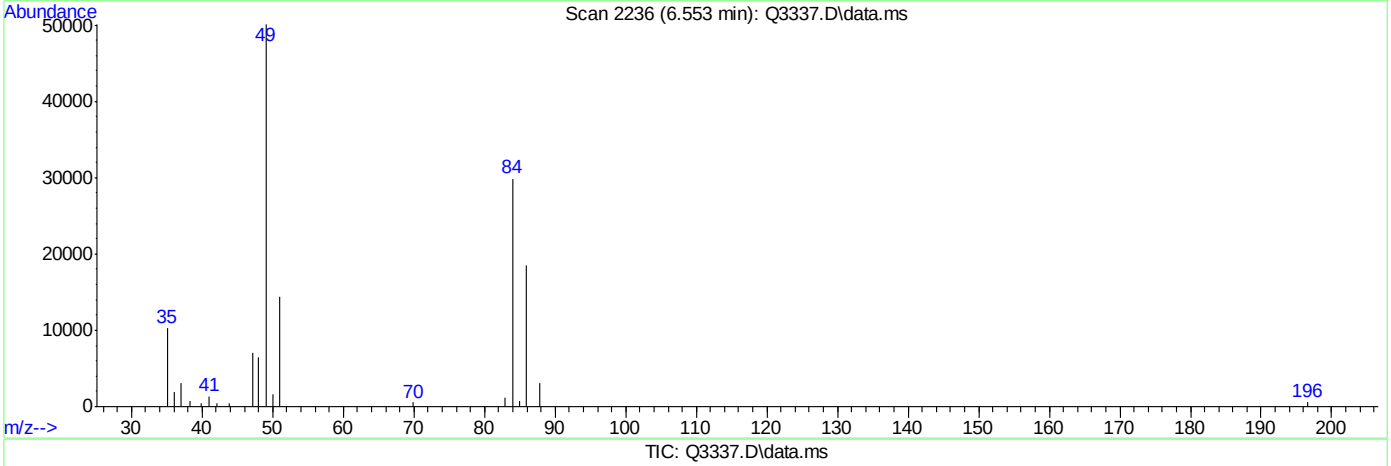
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	118.45#
49.00	118.80	296.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.553min (+0.007) 2.20PPBV m

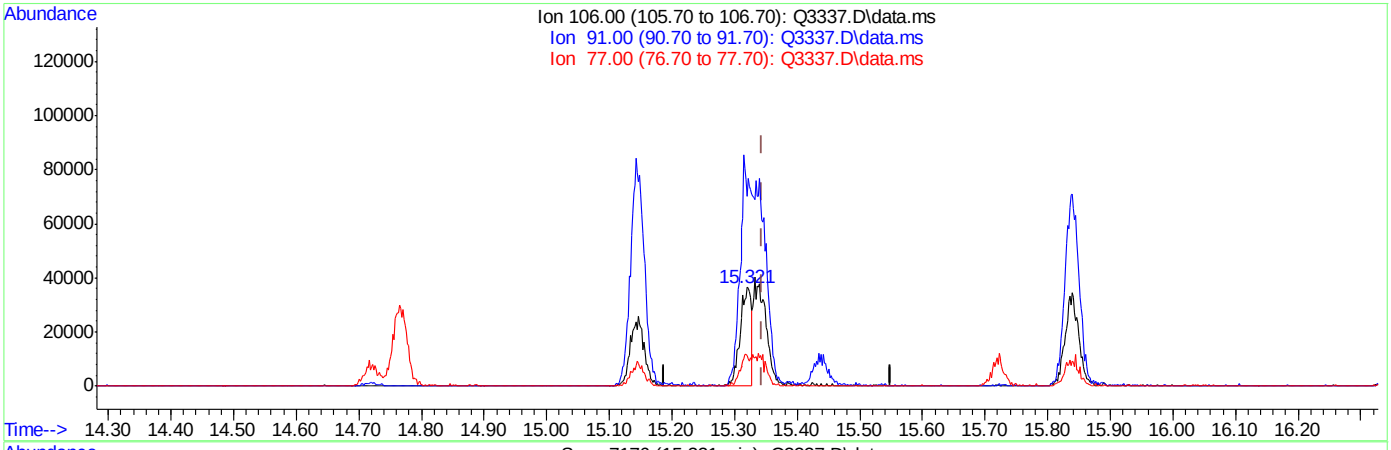
response 67760

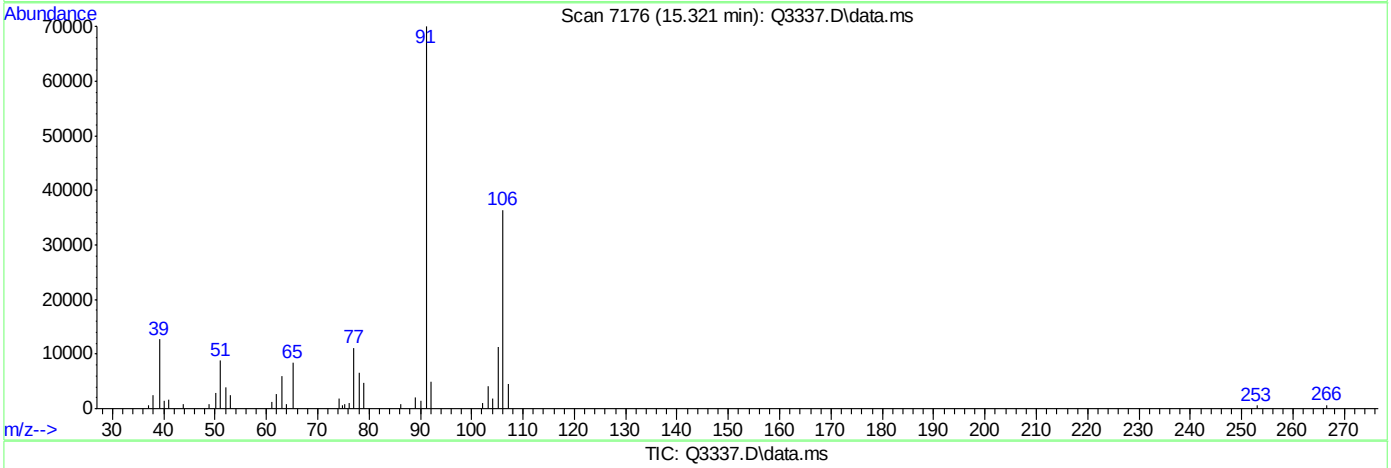
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	63.98
49.00	118.80	159.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 1.66PPBV

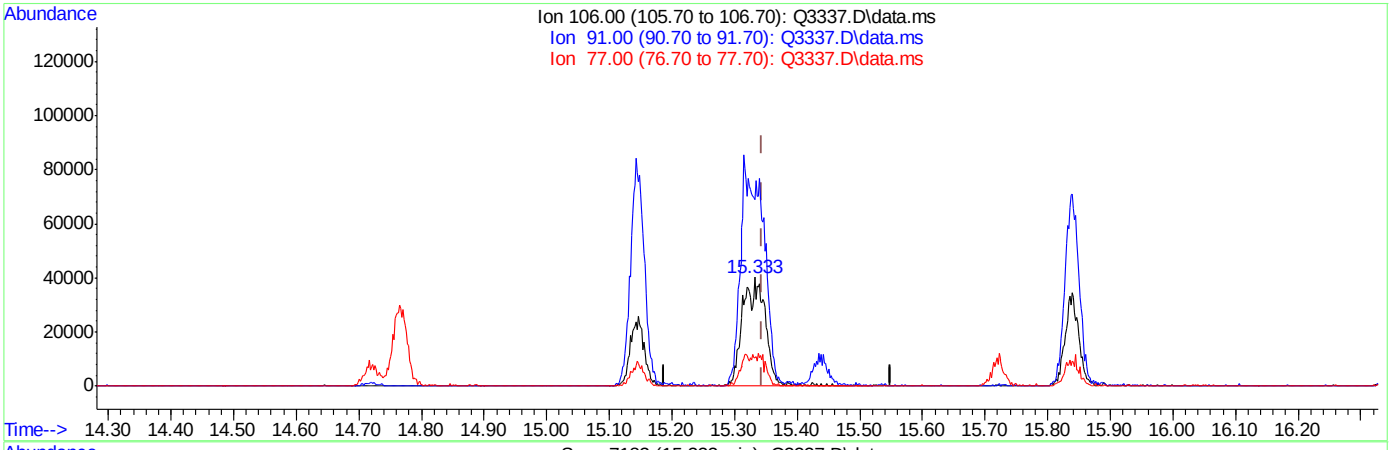
response 46359

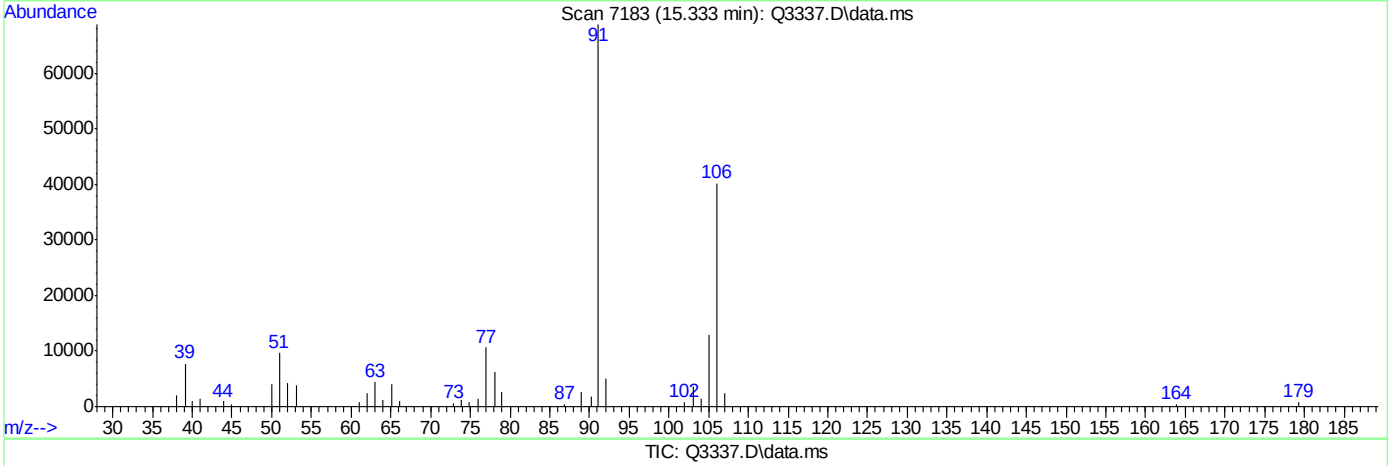
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	192.33
77.00	31.20	30.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(56) m,p-XYLENE (m)

15.333min (-0.011) 3.70PPBV m

response 103162

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	171.34
77.00	31.20	26.61
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	126062	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	590641	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	497909m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.345	95	167178	4.13	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 82.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.047	85	27403m	0.53	PPBV	
3) PROPYLENE	3.976	41	4978m	0.51	PPBV	
4) FREON 114	4.299	85	22453	0.51	PPBV	97
5) CHLOROMETHANE	4.204	50	5689m	0.51	PPBV	
6) VINYL CHLORIDE	4.415	62	6429m	0.55	PPBV	
7) 1,3-BUTADIENE	4.566	39	6566	0.55	PPBV #	51
8) BROMOMETHANE	4.835	94	5689	0.44	PPBV #	94
9) CHLOROETHANE	5.013	64	2186m	0.48	PPBV	
10) TRICHLOROFLUOROMETHANE	5.796	101	35119m	0.62	PPBV	
11) ISOPROPYL ALCOHOL	5.840	45	15614	0.82	PPBV	77
12) ACETONE	5.615	43	19290m	0.94	PPBV	
13) PENTANE	6.152	42	8625	0.75	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.431	96	6630m	0.61	PPBV	
15) CARBON DISULFIDE	6.868	76	18586	0.57	PPBV	91
16) ETHANOL	5.110	45	3063m	0.91	PPBV	
17) BROMOETHENE	5.373	106	6754	0.55	PPBV #	78
18) METHYLENE CHLORIDE	6.550	84	10272m	0.58	PPBV	
19) 3-CHLOROPROPENE	6.674	39	5832m	0.42	PPBV	
20) FREON 113	6.813	151	13677	0.56	PPBV #	83
21) TRANS-1,2-DICHLOROETHY...	7.482	96	5160	0.51	PPBV #	75
22) TERTIARY BUTYL ALCOHOL	6.447	59	12095	0.55	PPBV	84
23) METHYL TERTIARY BUTYL ...	7.723	73	11344	0.48	PPBV	86
24) TETRAHYDROFURAN	9.168	42	4367	0.45	PPBV #	69
25) HEXANE	8.680	57	8105	0.48	PPBV #	82
26) VINYL ACETATE	7.798	43	9818	0.43	PPBV	81
27) 1,1-DICHLOROETHANE	7.677	63	11147	0.57	PPBV #	54
28) METHYL ETHYL KETONE	8.055	43	10876m	0.56	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.475	96	4961m	0.51	PPBV	
30) ETHYL ACETATE	8.678	43	17756	0.50	PPBV #	98
31) CHLOROFORM	8.761	83	15714	0.57	PPBV	89
32) 1,1,1-TRICHLOROETHANE	9.716	97	16310	0.56	PPBV	97
33) CARBON TETRACHLORIDE	10.302	117	20113	0.57	PPBV	92
34) 1,2-DICHLOROETHANE	9.478	62	9650	0.57	PPBV	97
36) BENZENE	10.165	78	14256	0.56	PPBV	95
37) CYCLOHEXANE	10.431	84	5587m	0.50	PPBV	
38) TRICHLOROETHYLENE	11.159	95	8520	0.55	PPBV	89
39) 1,2-DICHLOROPROPANE	10.942	63	5112m	0.54	PPBV	
40) BROMODICHLOROMETHANE	11.120	83	14210	0.54	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.186	57	23010	0.51	PPBV	93
42) 1,4-DIOXANE	11.159	88	2552m	0.51	PPBV	
43) HEPTANE	11.414	43	7787	0.44	PPBV #	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration

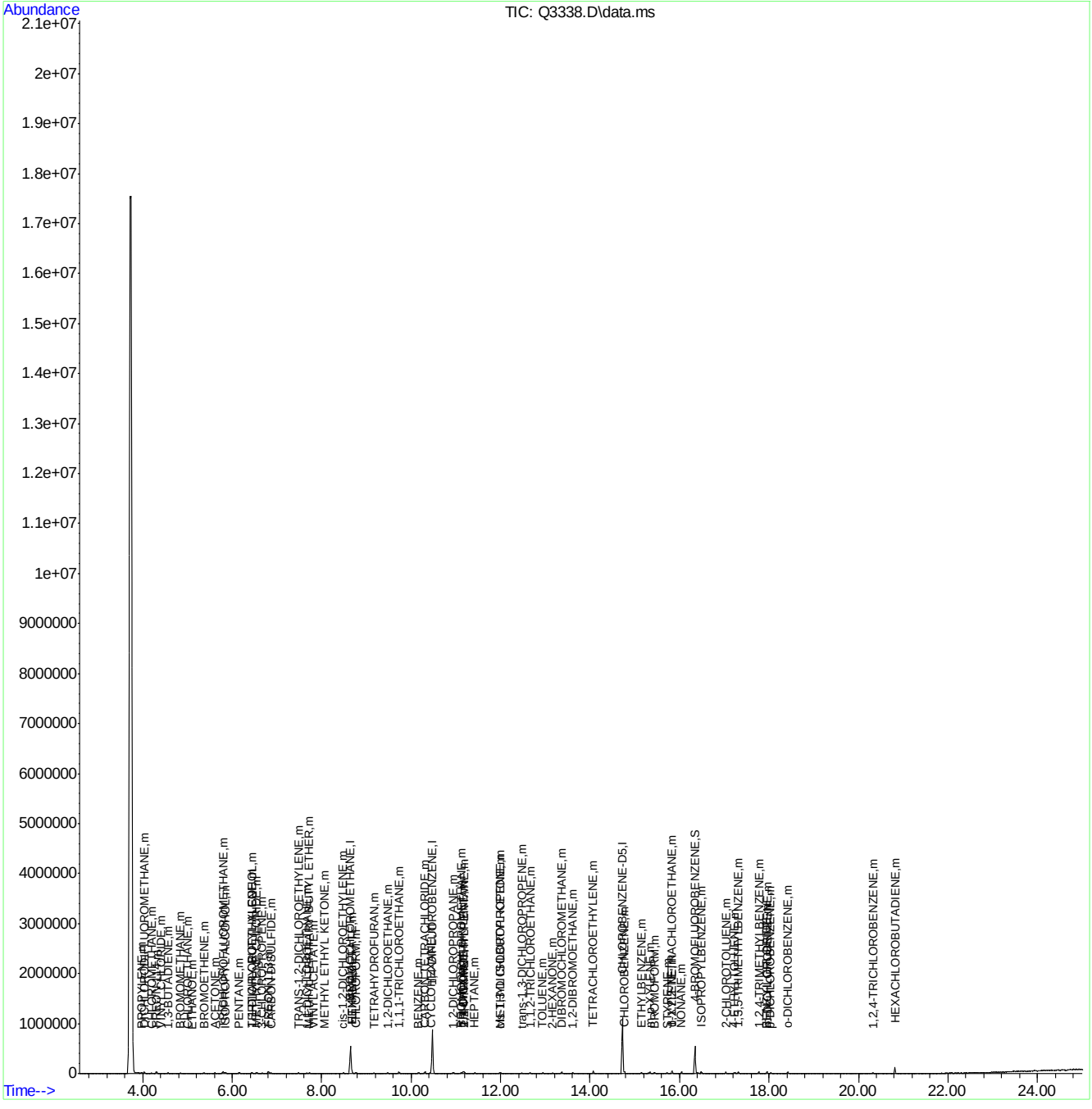
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	10341	0.43 PPBV #	60
45) cis-1,3-DICHLOROPROPENE	11.974	75	6452	0.43 PPBV #	78
46) TOLUENE	12.941	92	7628	0.44 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.479	75	3399	0.29 PPBV #	67
48) 1,1,2-TRICHLOROETHANE	12.655	83	5207	0.31 PPBV	89
50) 2-HEXANONE	13.164	43	6606	0.33 PPBV	89
51) TETRACHLOROETHYLENE	14.068	164	7185	0.48 PPBV #	75
52) DIBROMOCHLOROMETHANE	13.365	129	11383	0.43 PPBV	97
53) 1,2-DIBROMOETHANE	13.617	107	9057	0.48 PPBV #	93
54) CHLOROBENZENE	14.765	112	13225	0.53 PPBV	96
55) ETHYLBENZENE	15.142	91	17995	0.44 PPBV	96
56) m,p-XYLENE	15.346	106	13229m	0.83 PPBV	
57) o-XYLENE	15.837	106	6475	0.40 PPBV	94
58) STYRENE	15.724	104	5837	0.29 PPBV	95
59) NONANE	16.043	43	10447	0.40 PPBV	86
60) BROMOFORM	15.438	173	8517	0.38 PPBV	92
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	15128	0.57 PPBV	98
63) ISOPROPYLBENZENE	16.485	105	20595	0.35 PPBV	87
64) 2-CHLOROTOLUENE	17.033	91	14726	0.41 PPBV	96
65) 4-ETHYLTOLUENE	17.220	105	13232	0.33 PPBV #	99
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	17906	0.44 PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	15021	0.39 PPBV	89
68) m-DICHLOROBENZENE	17.955	146	10250	0.46 PPBV	94
69) BENZYL CHLORIDE	17.935	91	6549	0.32 PPBV	85
70) p-DICHLOROBENZENE	18.033	146	8631	0.43 PPBV	88
71) o-DICHLOROBENZENE	18.414	146	12961	0.59 PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	13076	1.65 PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.322	180	3698	0.95 PPBV	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

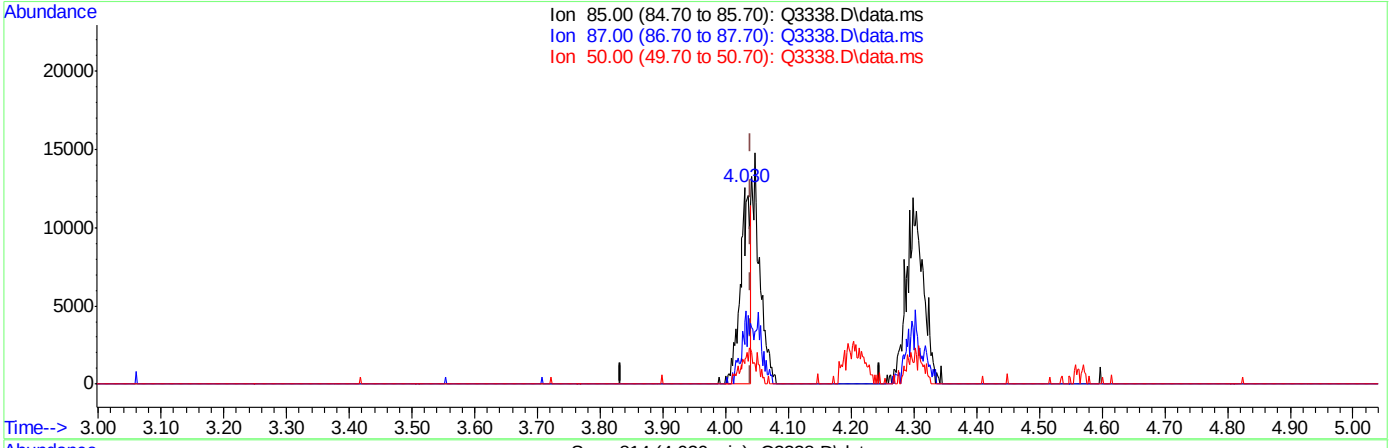
Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration

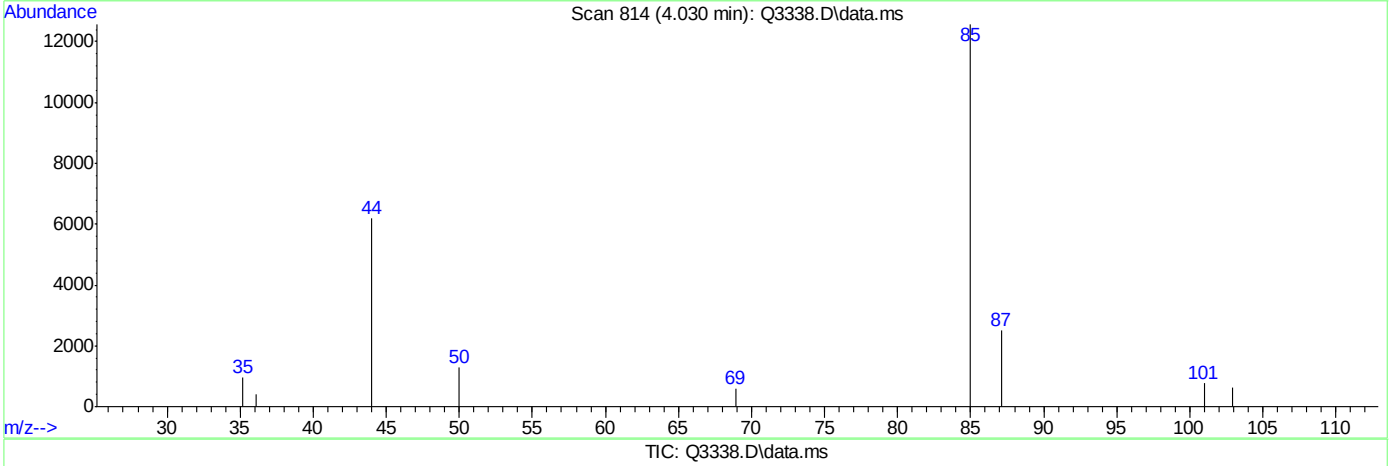


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.030min (-0.010) 0.28PPBV

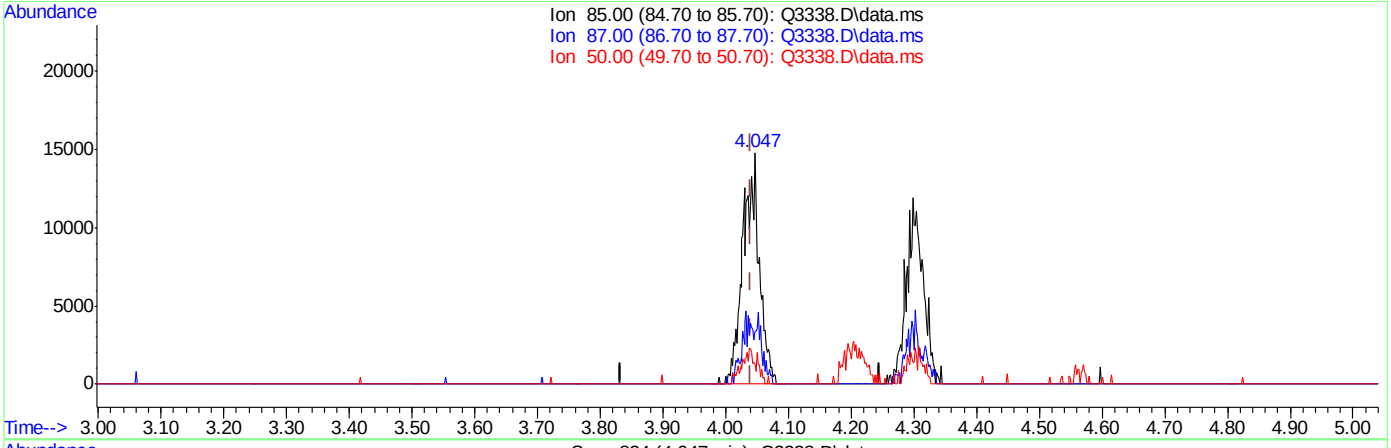
response 14378

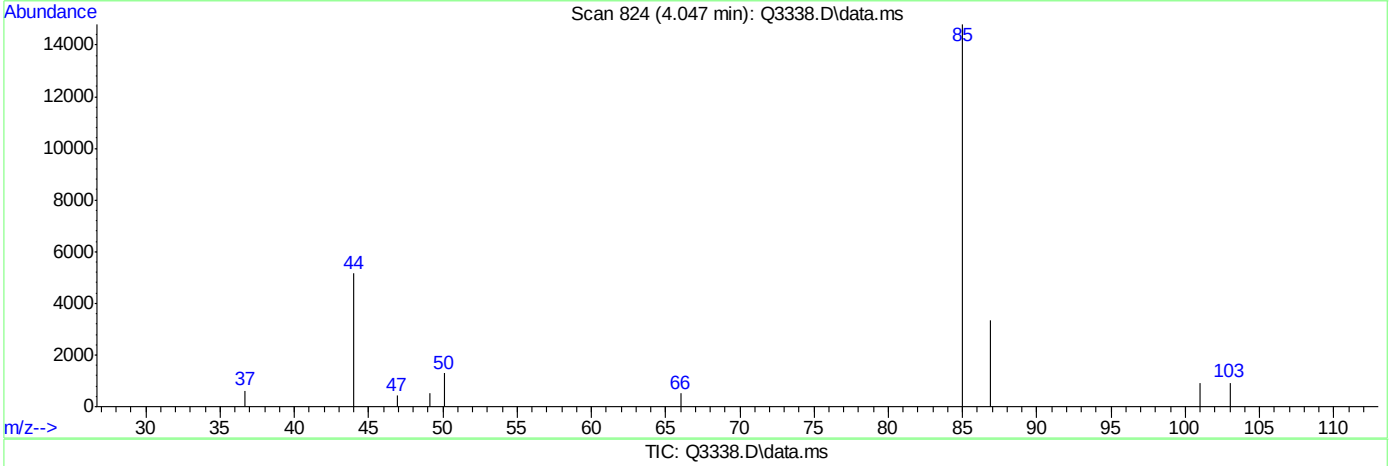
Ion	Exp%	Act%
85.00	100	100
87.00	32.80	61.49#
50.00	11.60	20.97
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On    :  4 May 2007  12:52 pm
Operator  : PhilipB
Sample    : IC180-.5 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration
```



TIC: Q3338.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.047min (+0.007) 0.53PPBV m

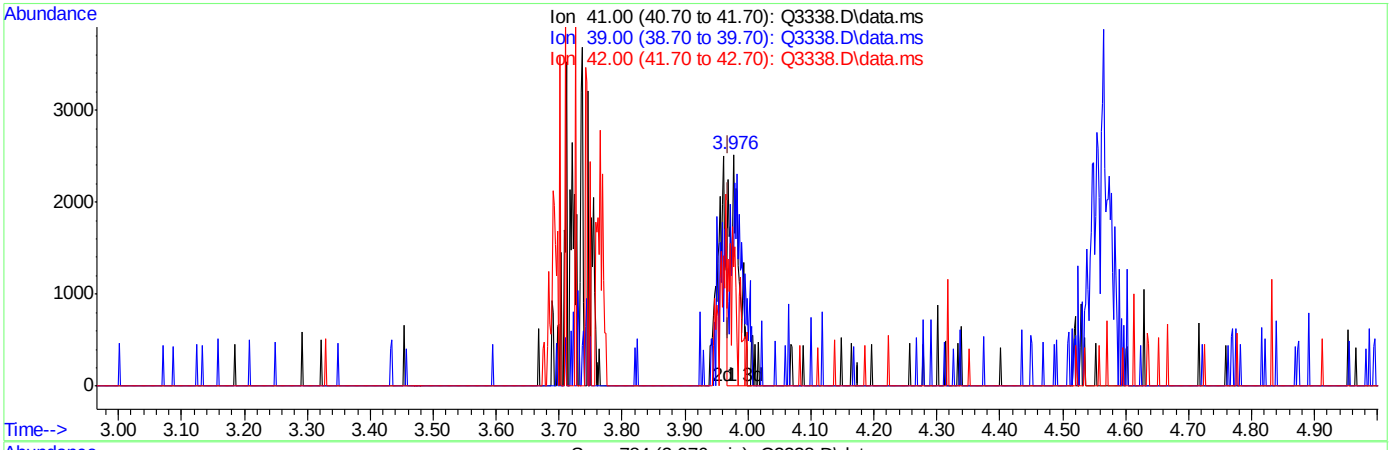
response 27403

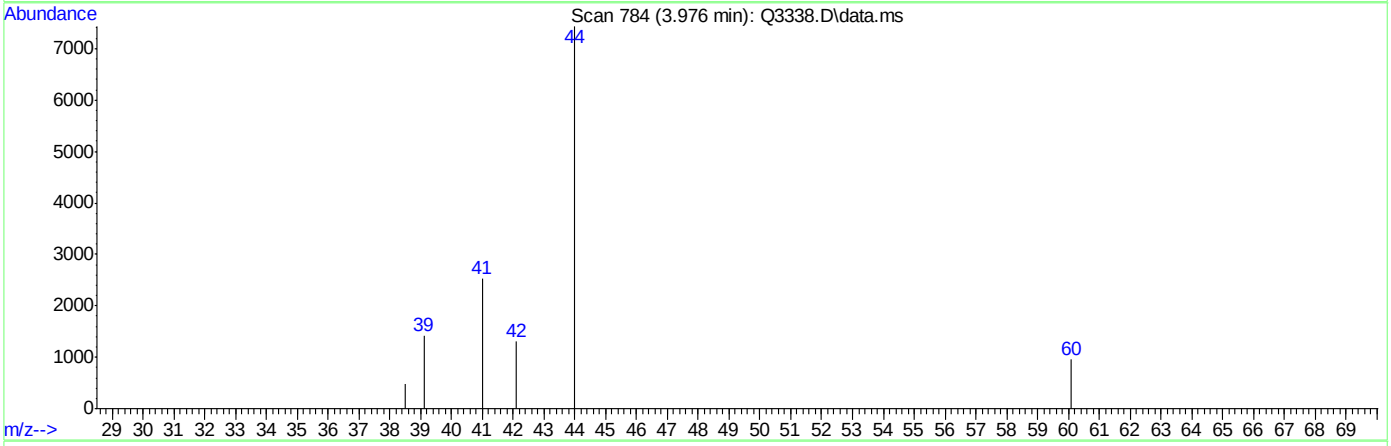
Ion	Exp%	Act%
85.00	100	100
87.00	32.80	32.26
50.00	11.60	11.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(3) PROPYLENE (m)

3.976min (+0.007) 0.27PPBV

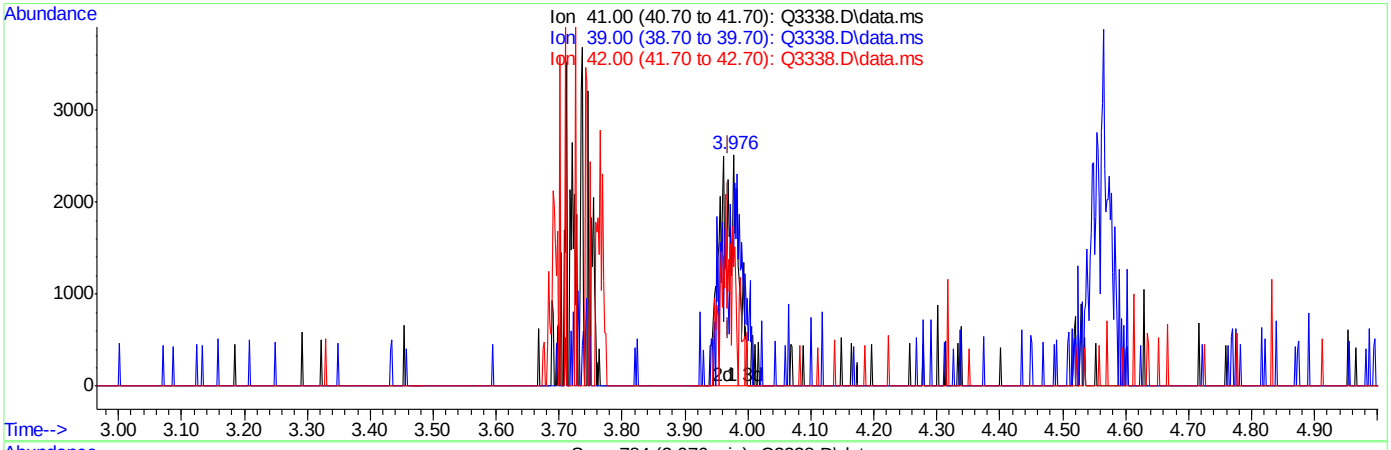
response 2626

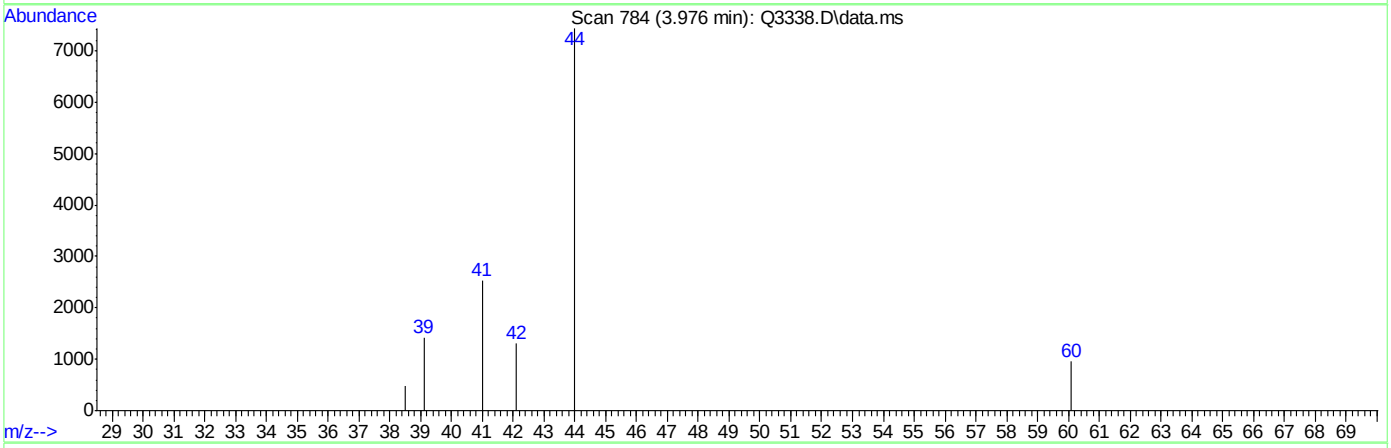
Ion	Exp%	Act%
41.00	100	100
39.00	77.40	55.92#
42.00	67.90	51.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(3) PROPYLENE (m)

3.976min (+0.007) 0.51PPBV m

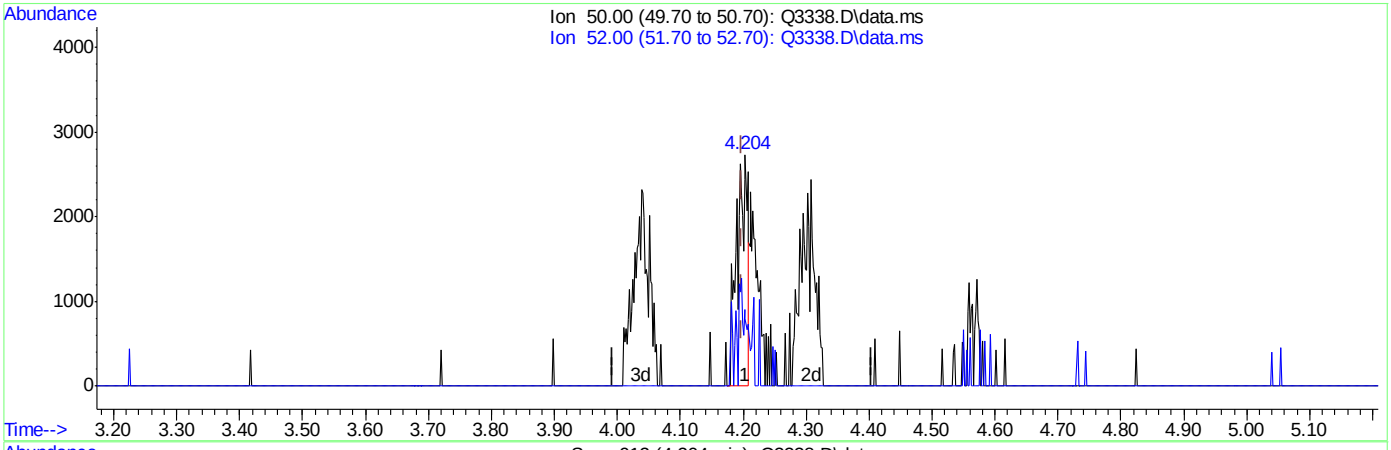
response 4978

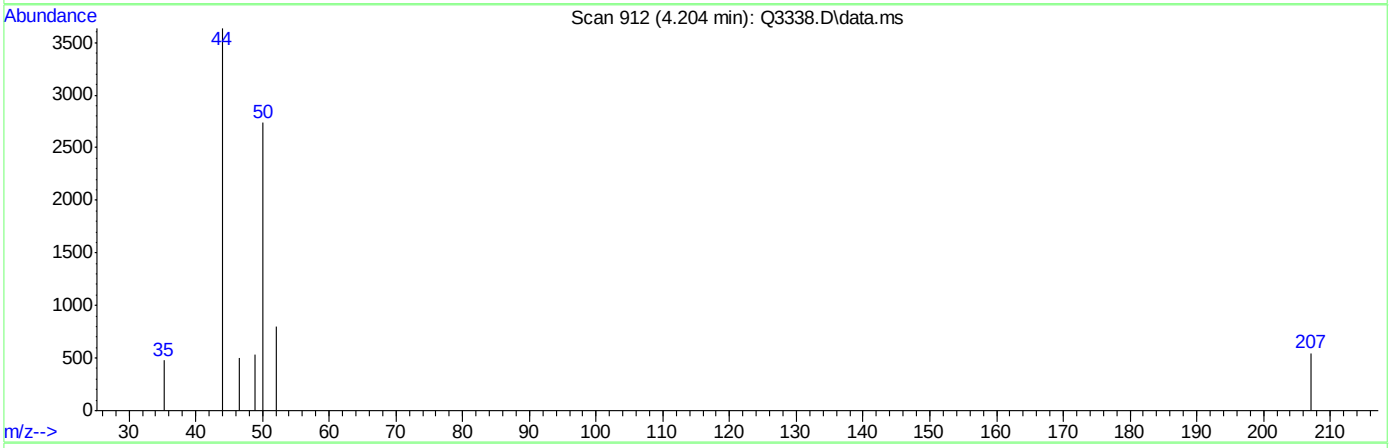
Ion	Exp%	Act%
41.00	100	100
39.00	77.40	55.92#
42.00	67.90	51.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(5) CHLOROMETHANE (m)

4.204min (+0.005) 0.30PPBV

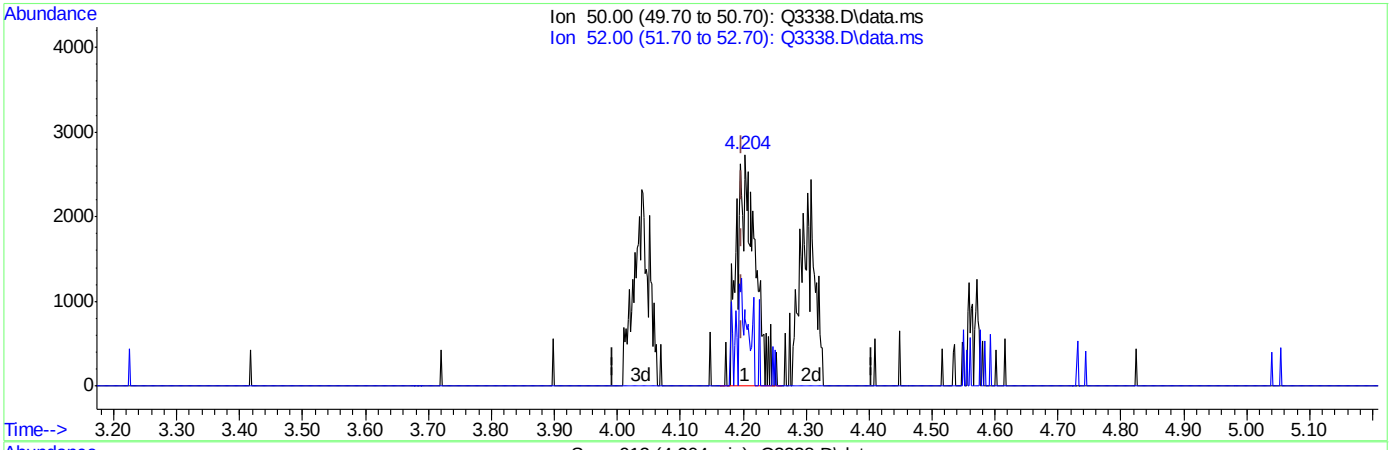
response 3355

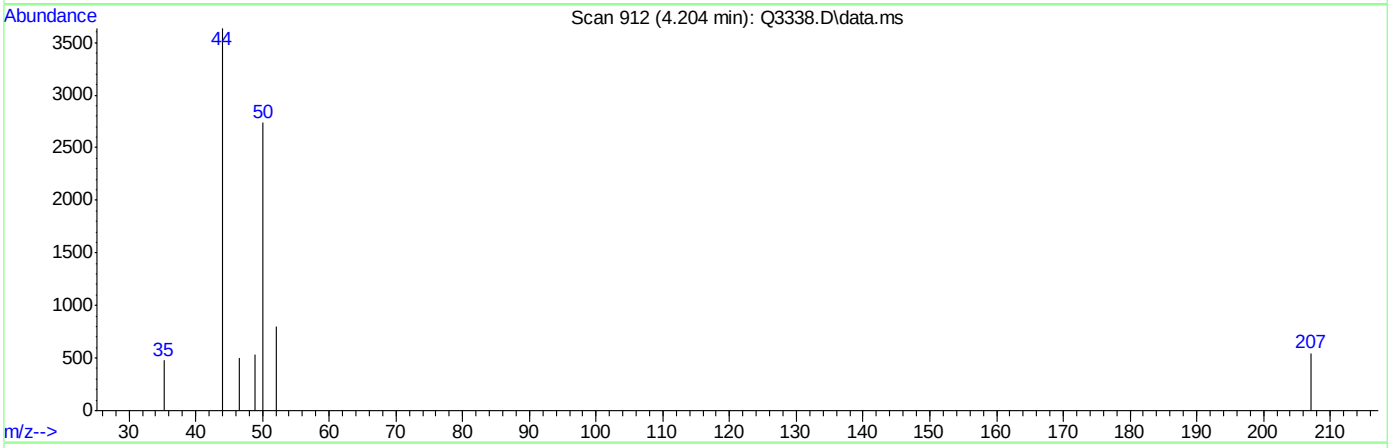
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	23.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(5) CHLOROMETHANE (m)

4.204min (+0.005) 0.51PPBV m

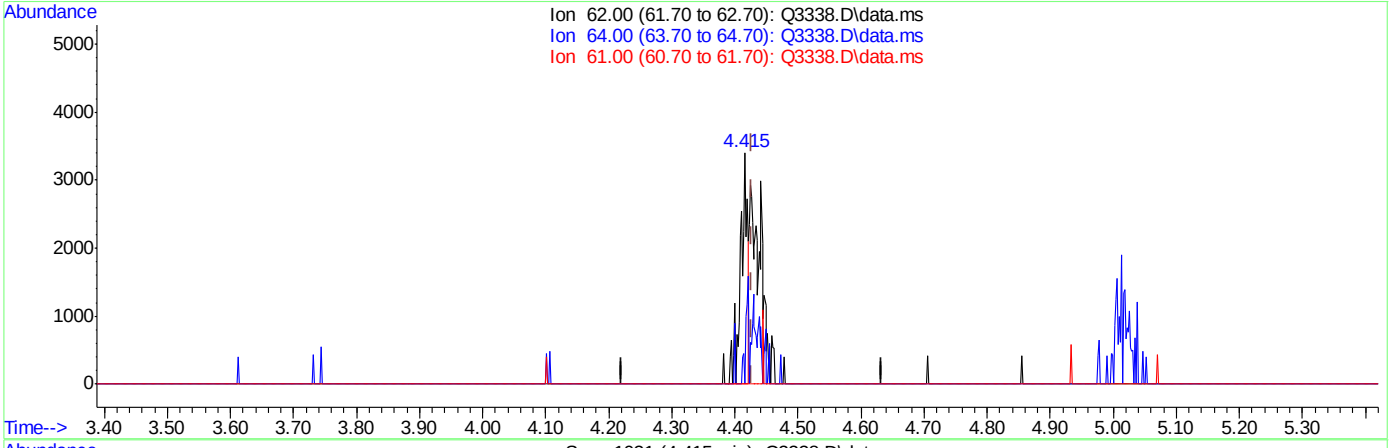
response 5689

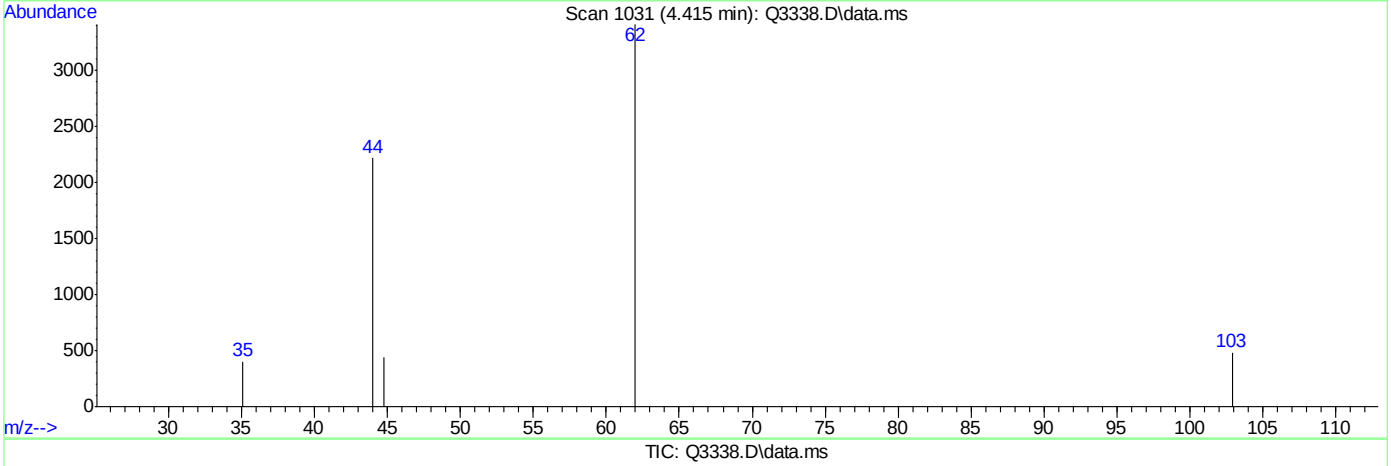
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	29.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(6) VINYL CHLORIDE (m)

4.415min (-0.012) 0.22PPBV

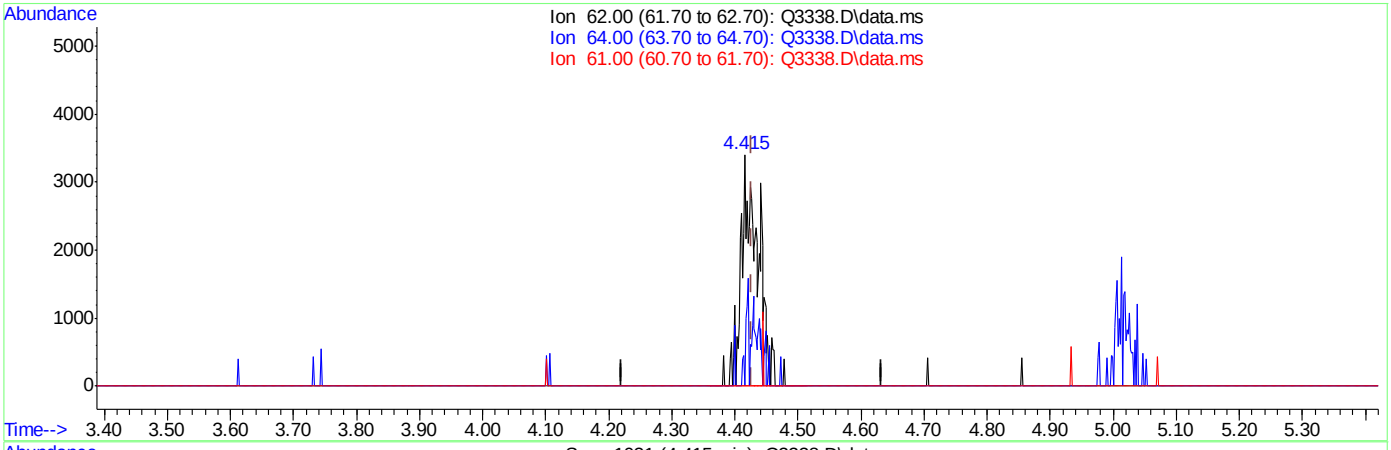
response 2534

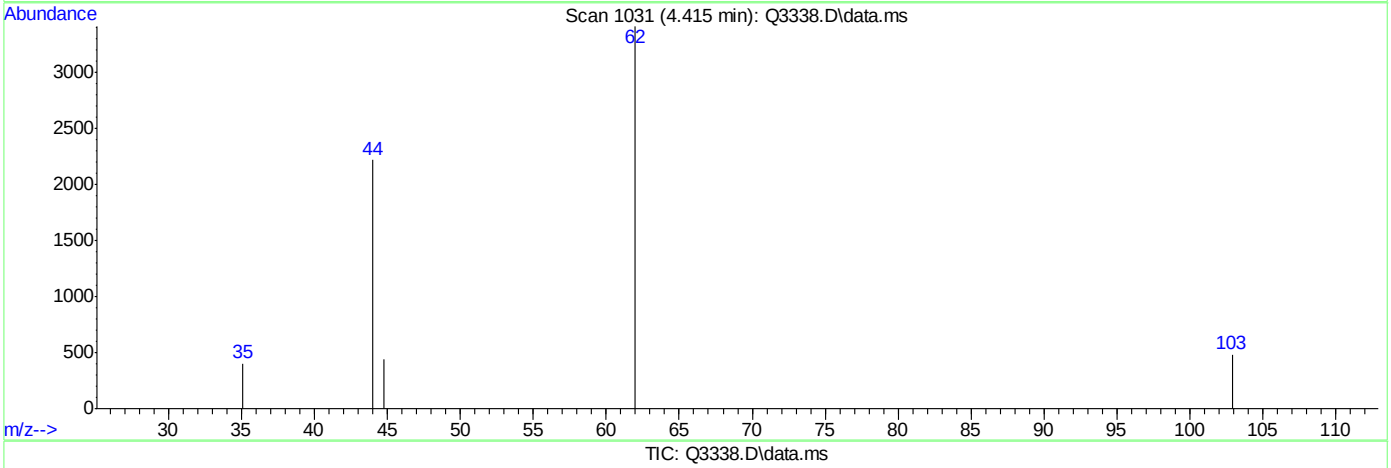
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	42.62
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(6) VINYL CHLORIDE (m)

4.415min (-0.012) 0.55PPBV m

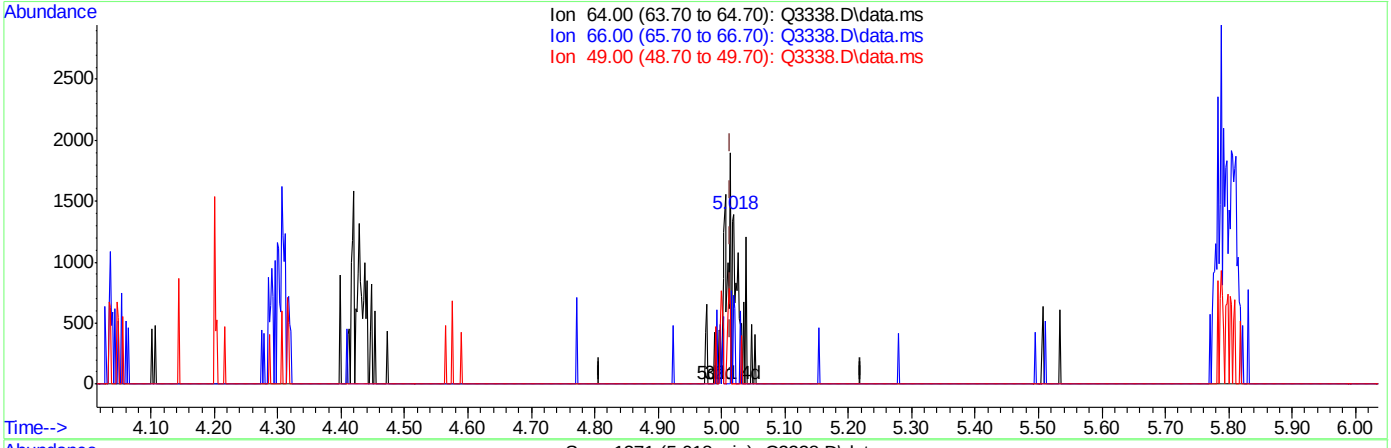
response 6429

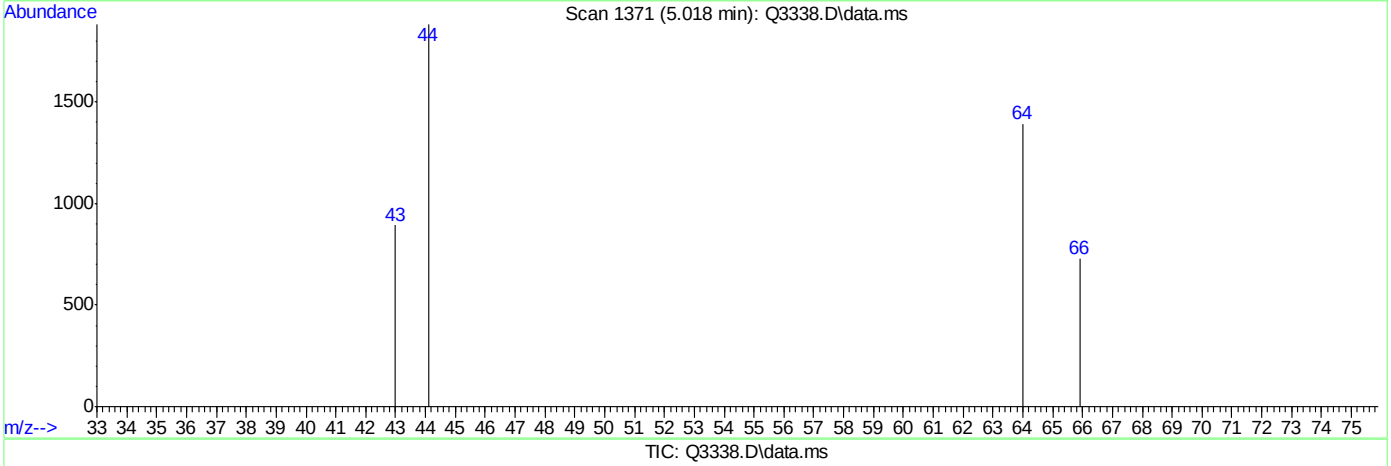
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	16.80
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(9) CHLOROETHANE (m)

5.018min (+0.004) 0.19PPBV

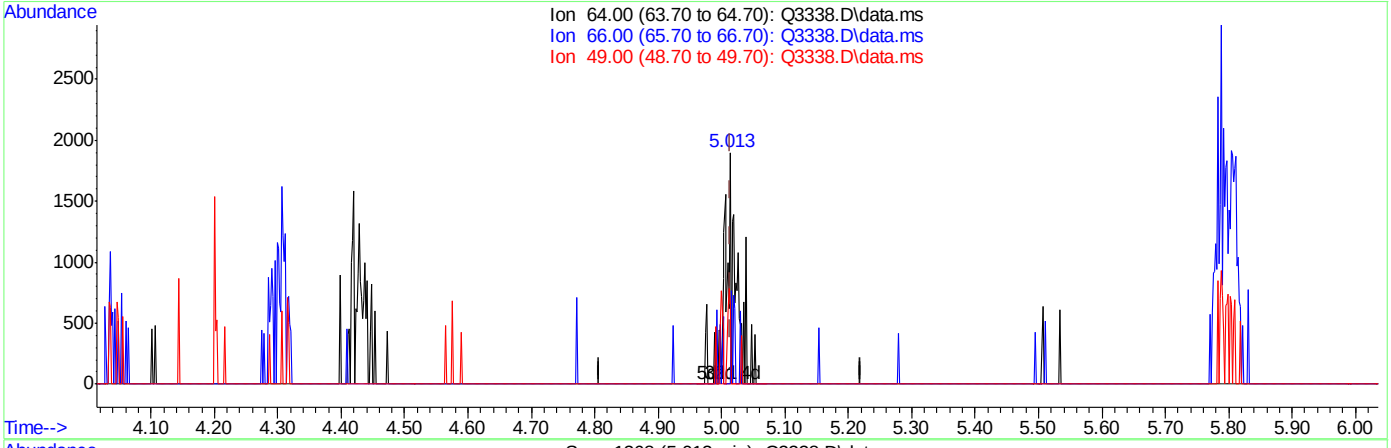
response 882

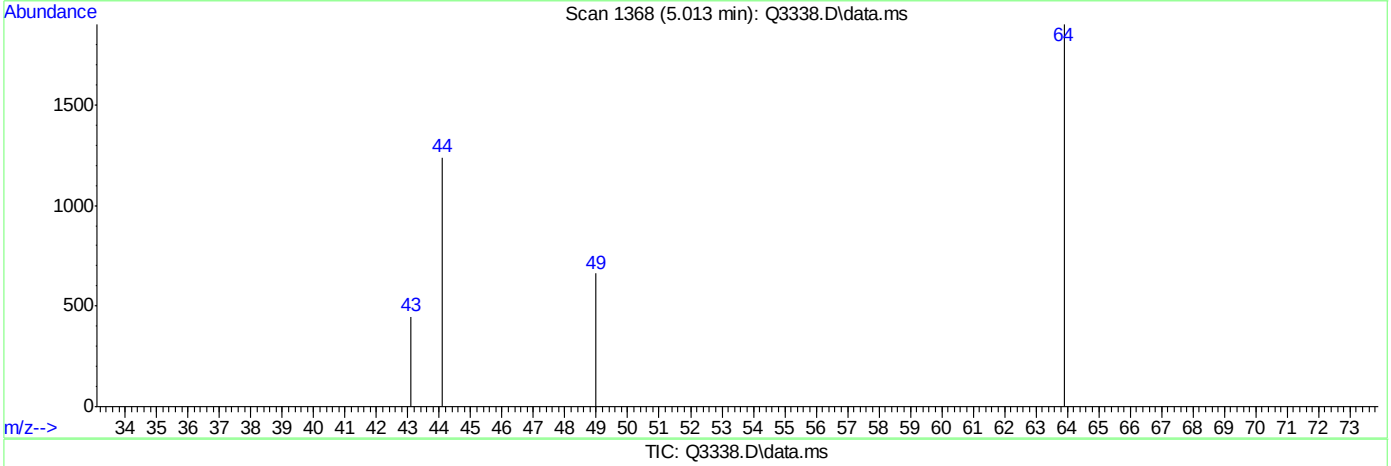
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	25.51
49.00	30.70	24.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(9) CHLOROETHANE (m)

5.013min (-0.001) 0.48PPBV m

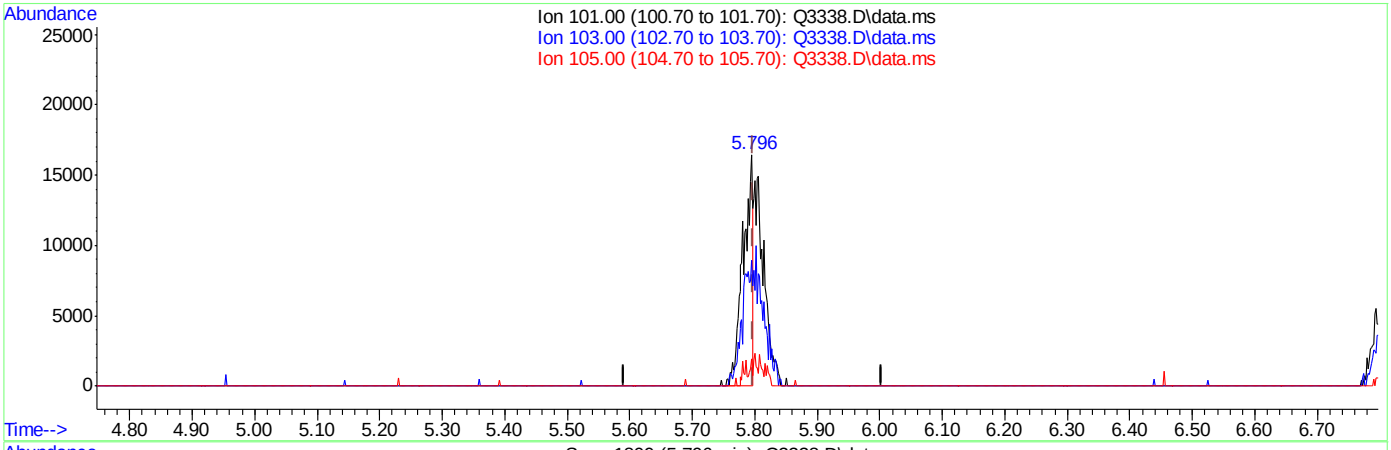
response 2186

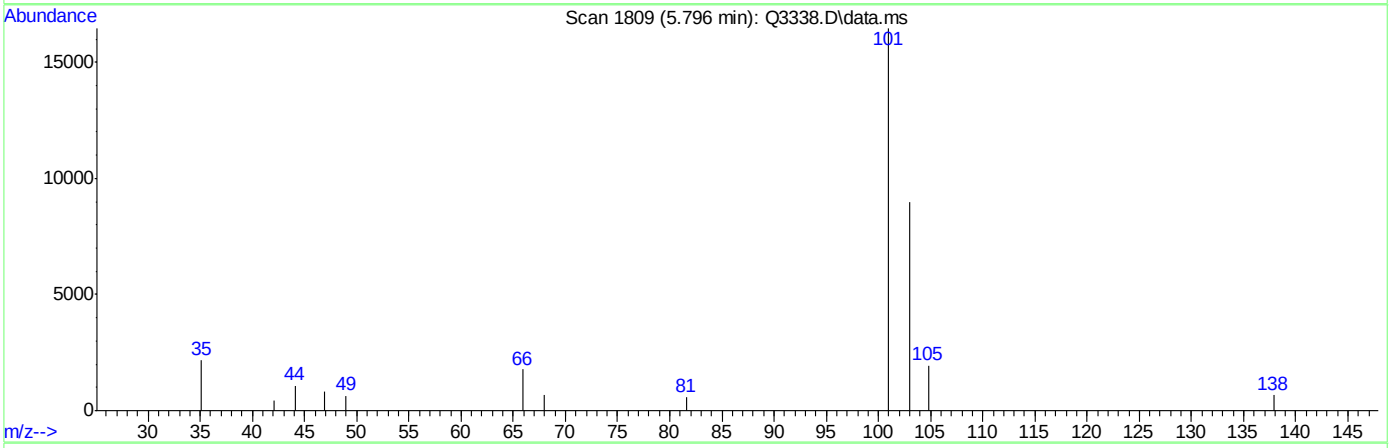
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	10.29#
49.00	30.70	9.97#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.796min (-0.001) 0.32PPBV

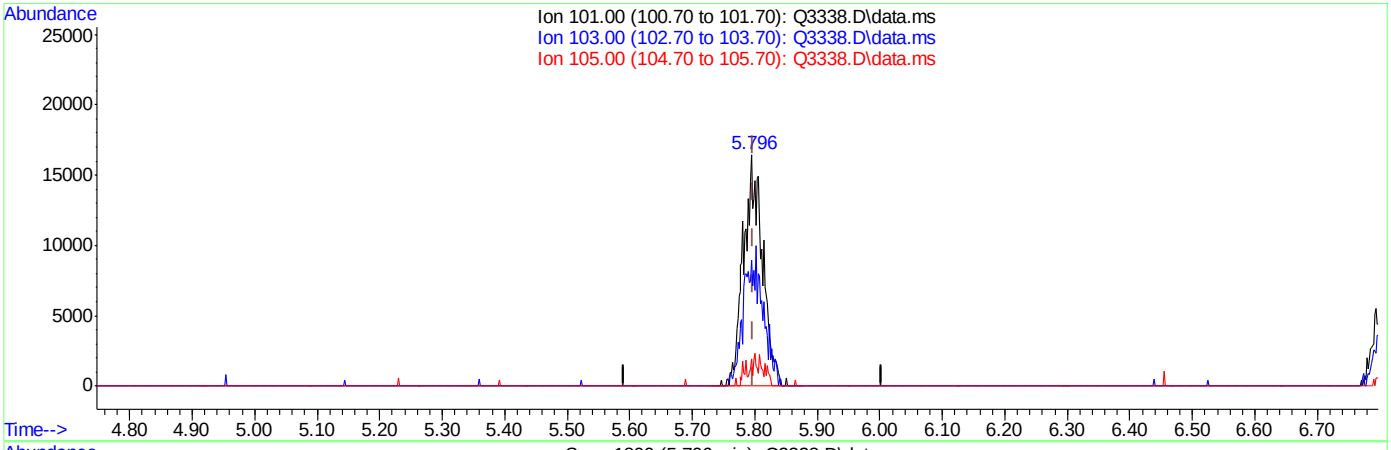
response 17988

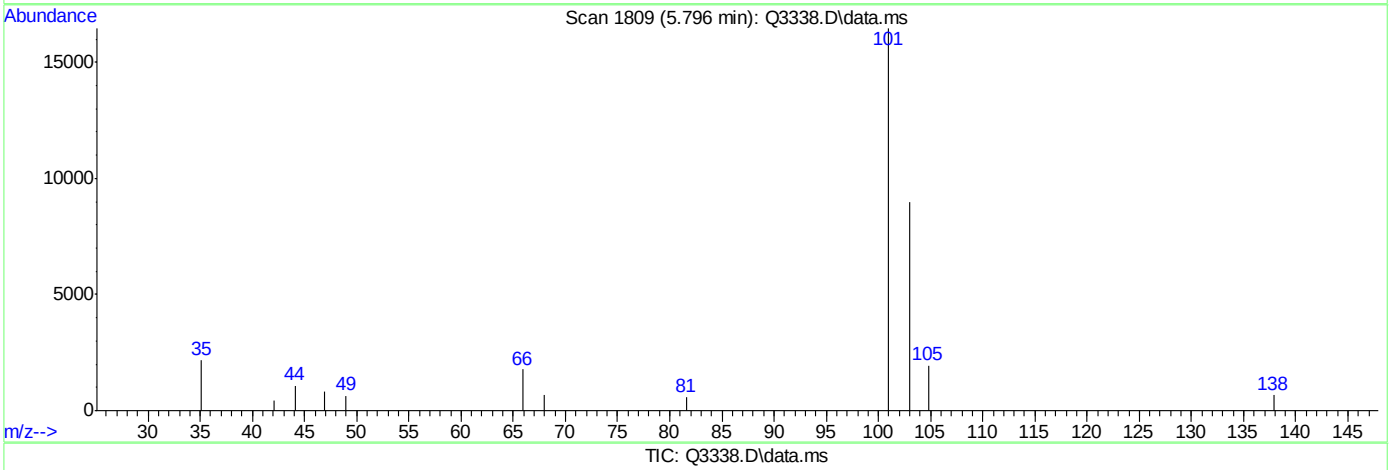
Ion	Exp%	Act%
101.00	100	100
103.00	64.80	77.47
105.00	10.30	12.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.796min (-0.001) 0.62PPBV m

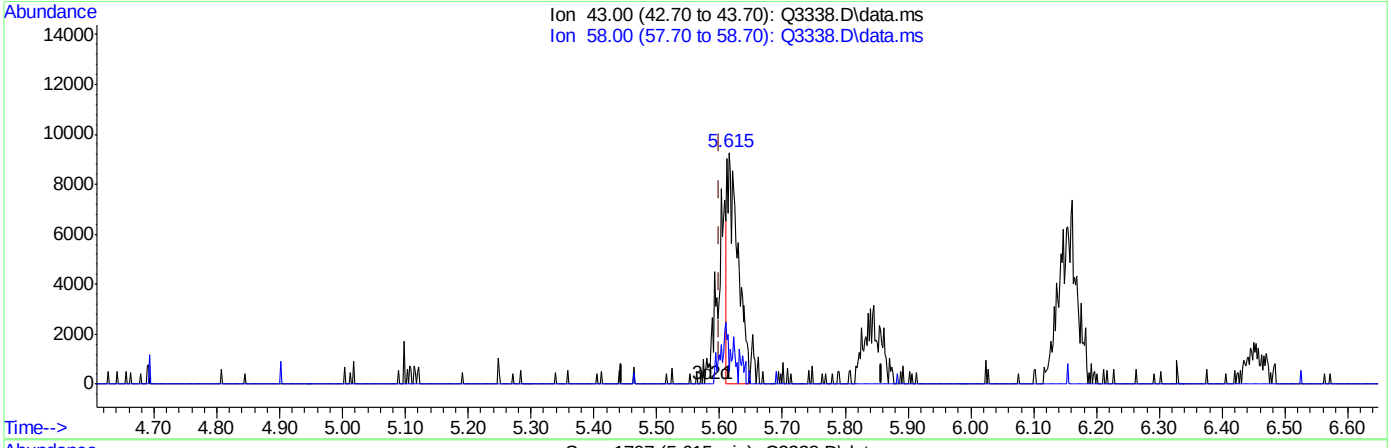
response 35119

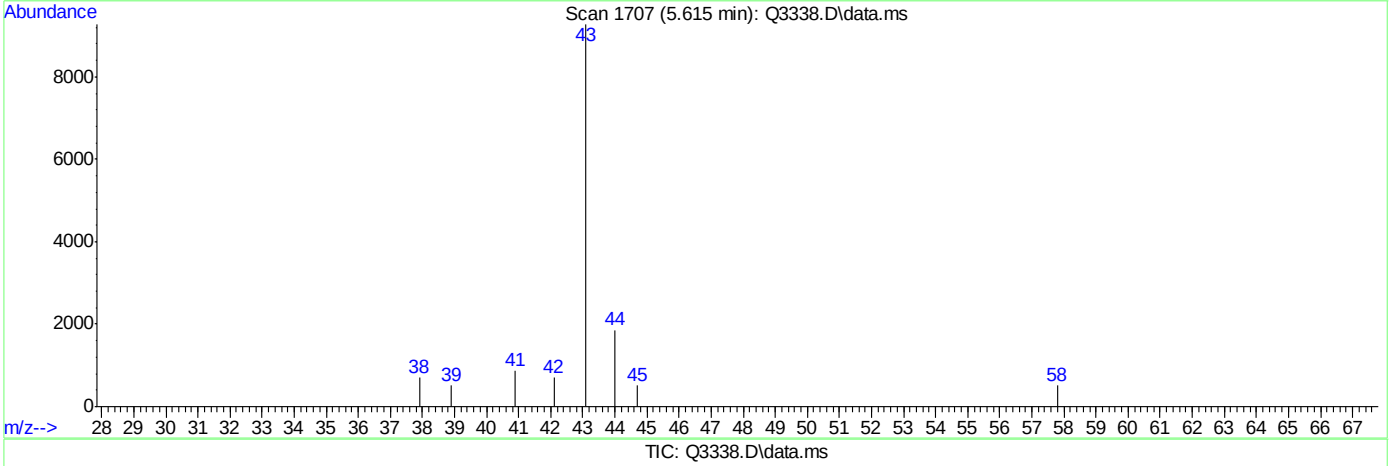
Ion	Exp%	Act%
101.00	100	100
103.00	64.80	39.68#
105.00	10.30	6.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(12) ACETONE (m)

5.615min (+0.015) 0.55PPBV

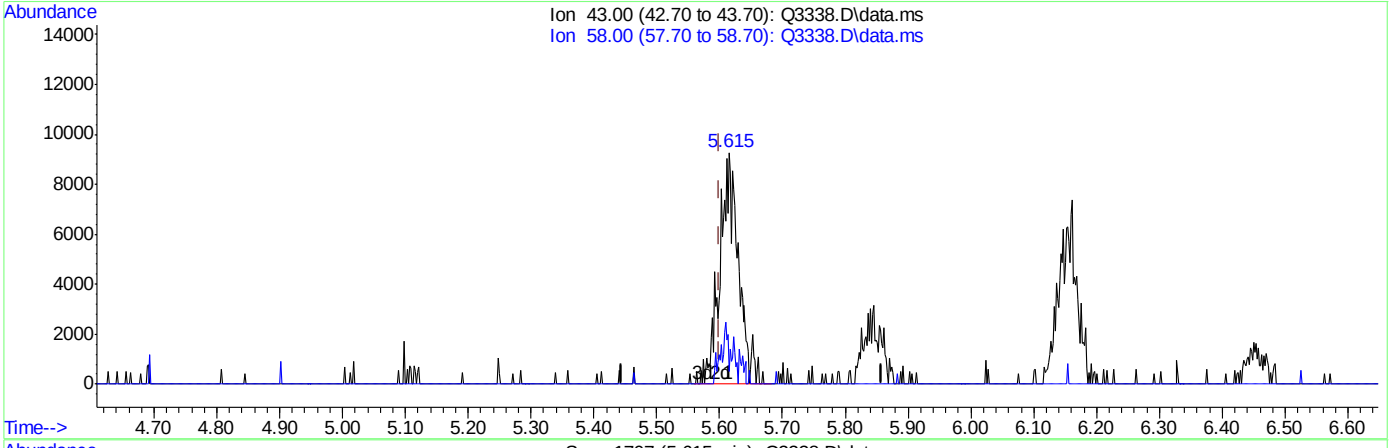
response 11307

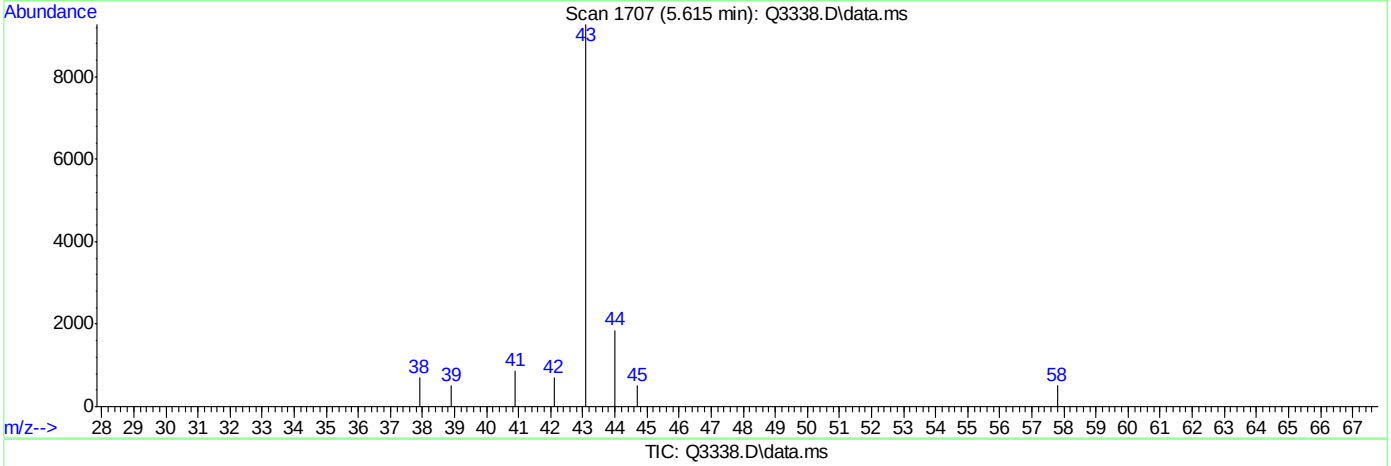
Ion	Exp%	Act%
43.00	100	100
58.00	25.40	30.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(12) ACETONE (m)

5.615min (+0.015) 0.94PPBV m

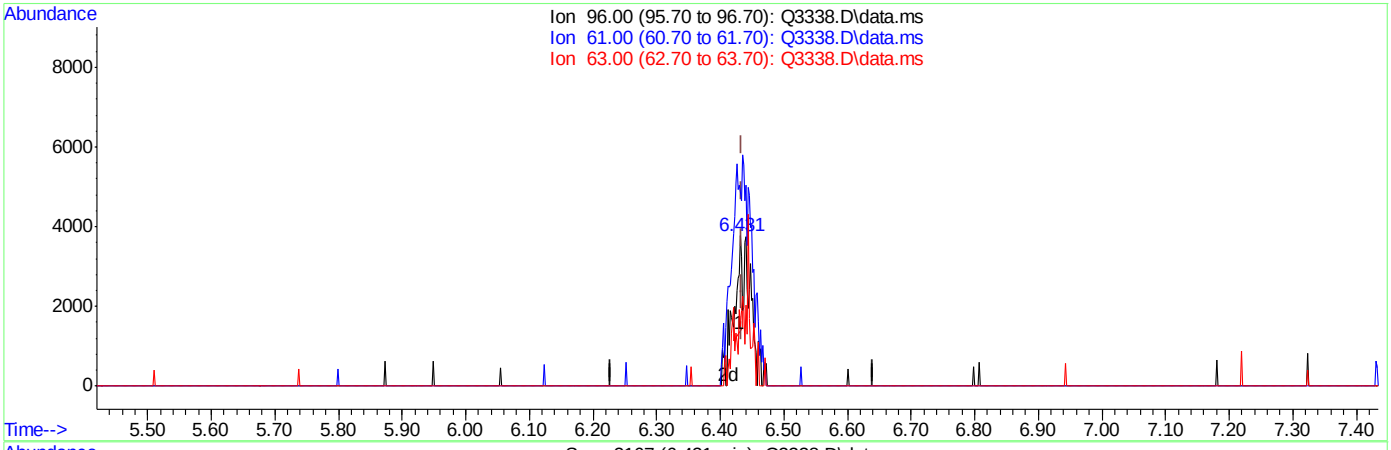
response 19290

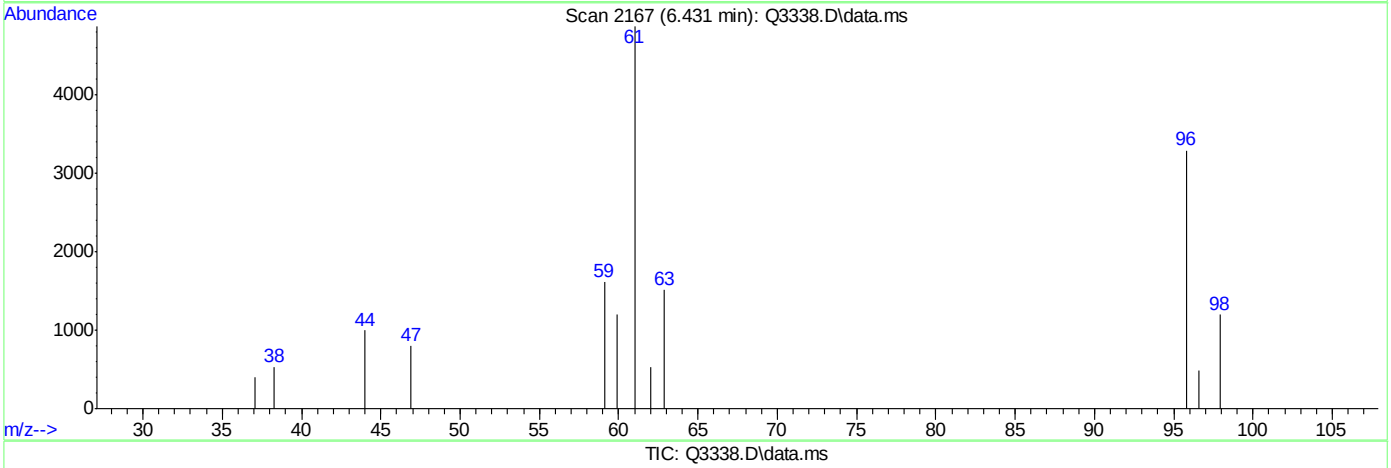
Ion	Exp%	Act%
43.00	100	100
58.00	25.40	18.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.431min (-0.003) 0.10PPBV

response 1081

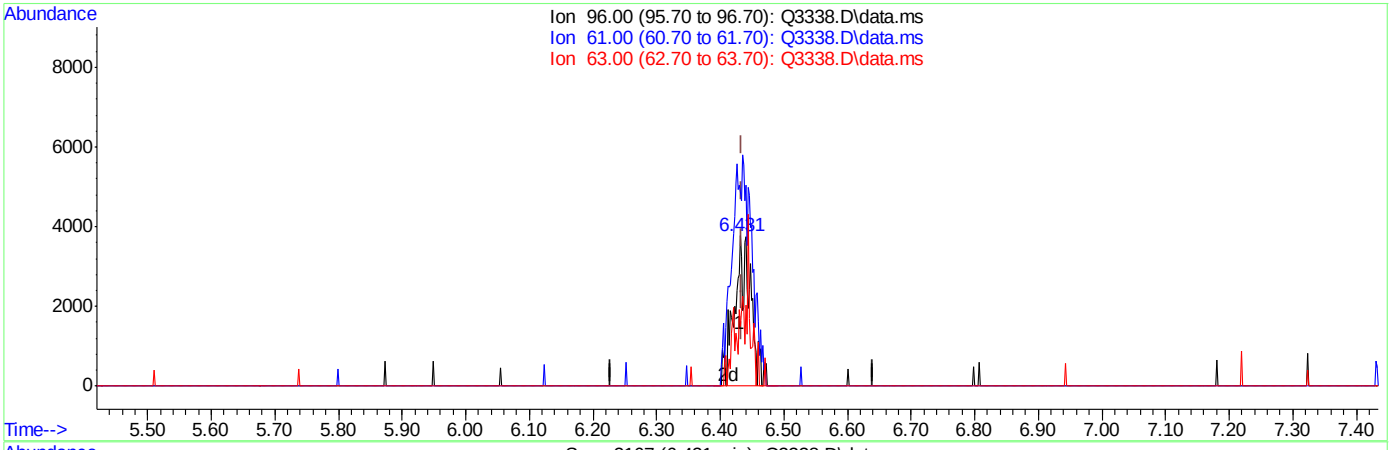
Ion	Exp%	Act%
96.00	100	100
61.00	167.00	793.34#
63.00	54.40	74.38
0.00	0.00	0.00

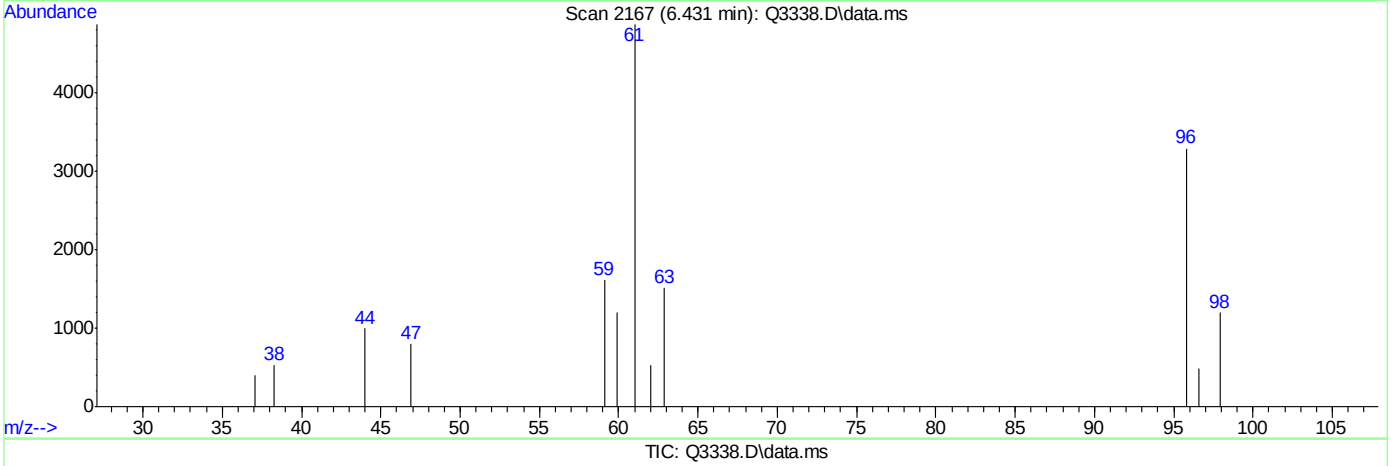
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.431min (-0.003) 0.61PPBV m

response 6630

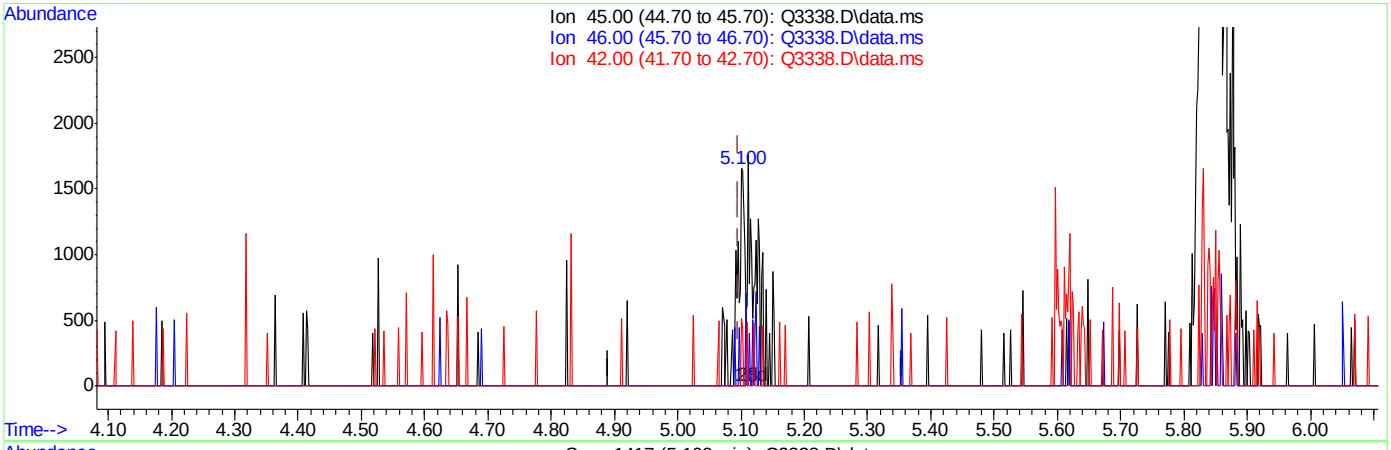
Ion	Exp%	Act%
96.00	100	100
61.00	167.00	129.35#
63.00	54.40	12.13#
0.00	0.00	0.00

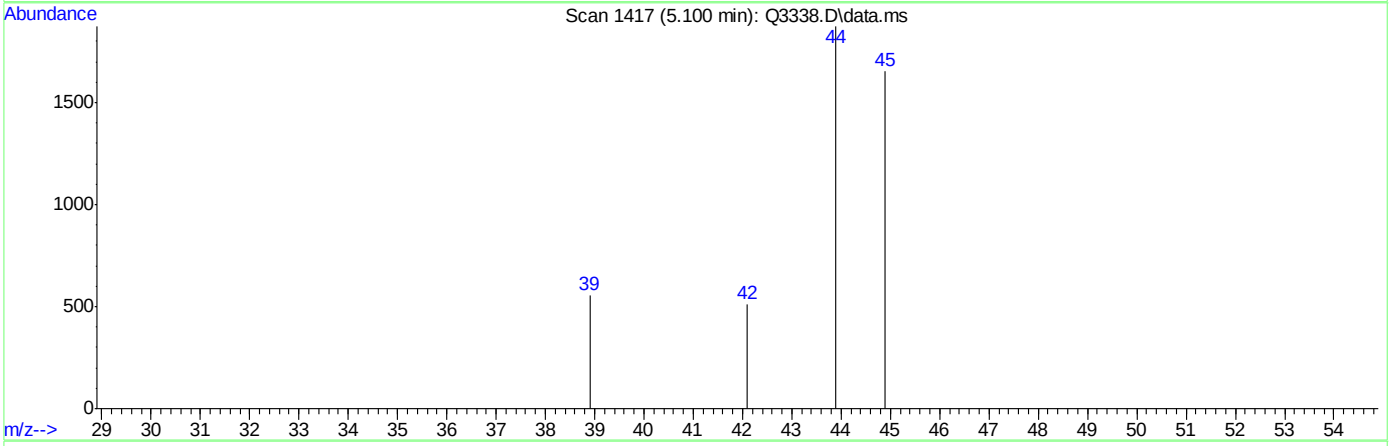
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(16) ETHANOL (m)

5.100min (+0.003) 0.36PPBV

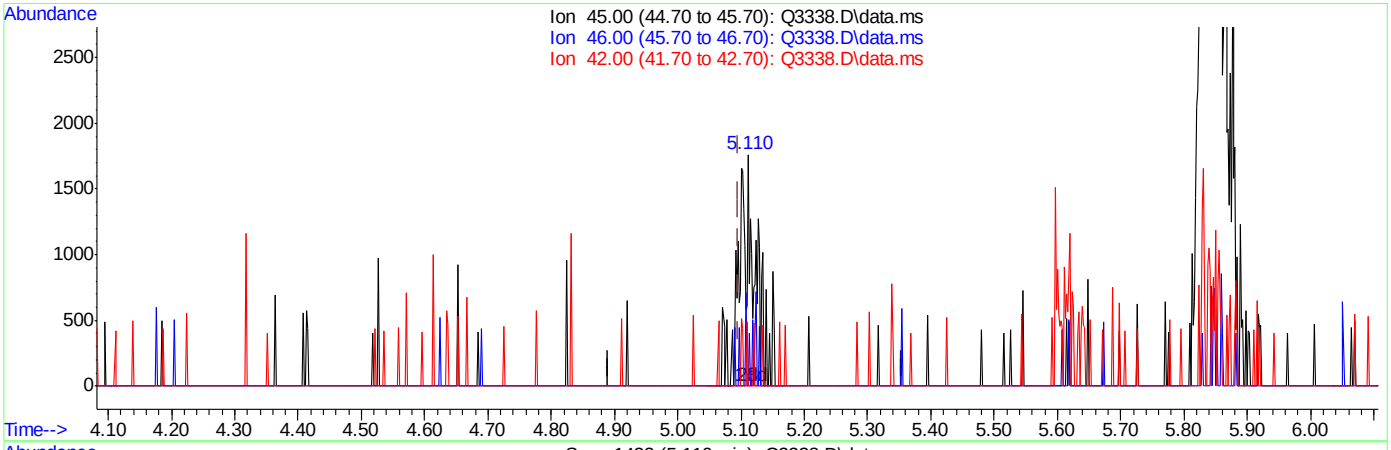
response 1203

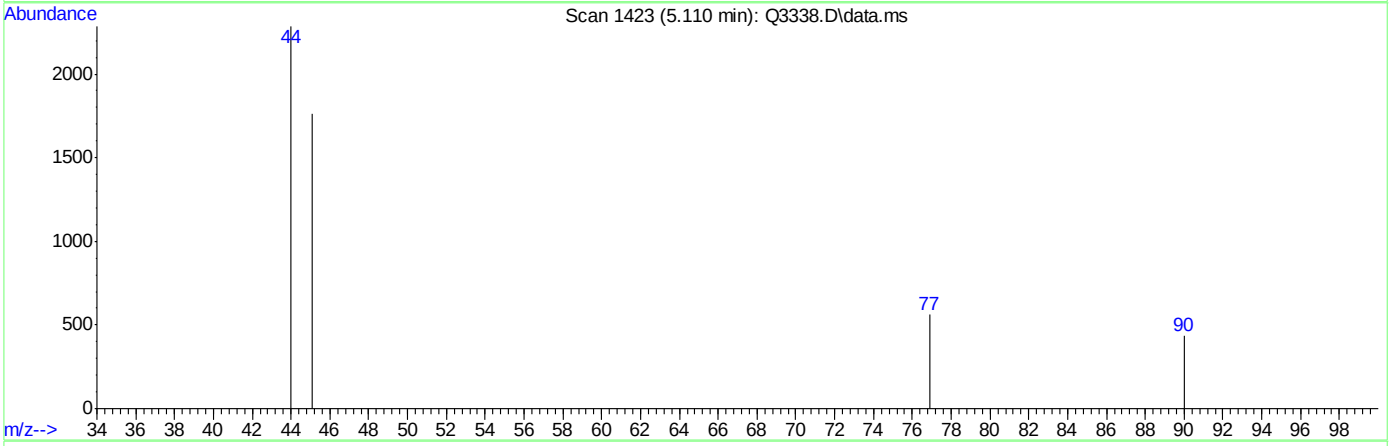
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	7.98#
42.00	4.60	8.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(16) ETHANOL (m)

5.110min (+0.013) 0.91PPBV m

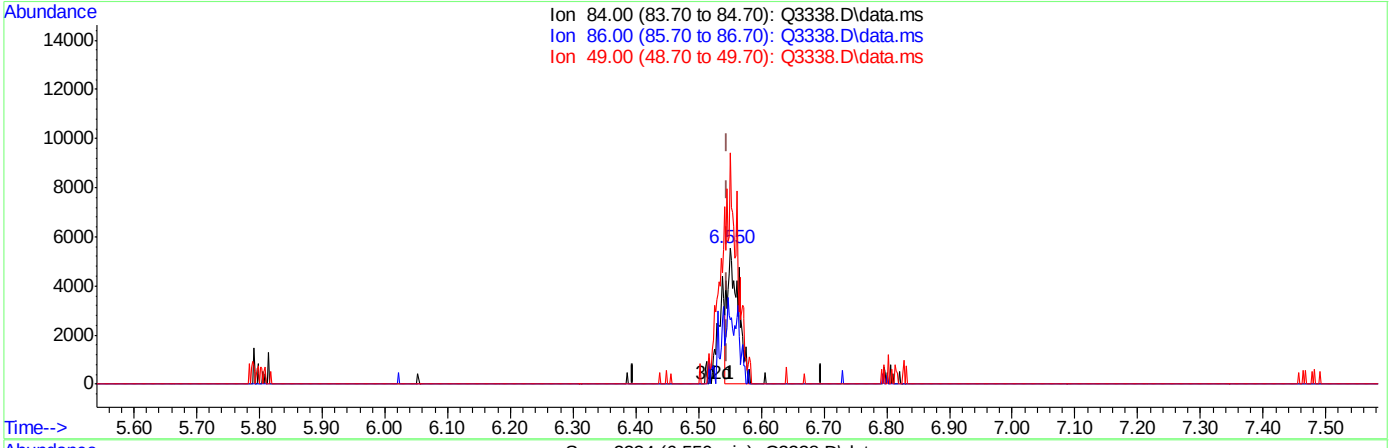
response 3063

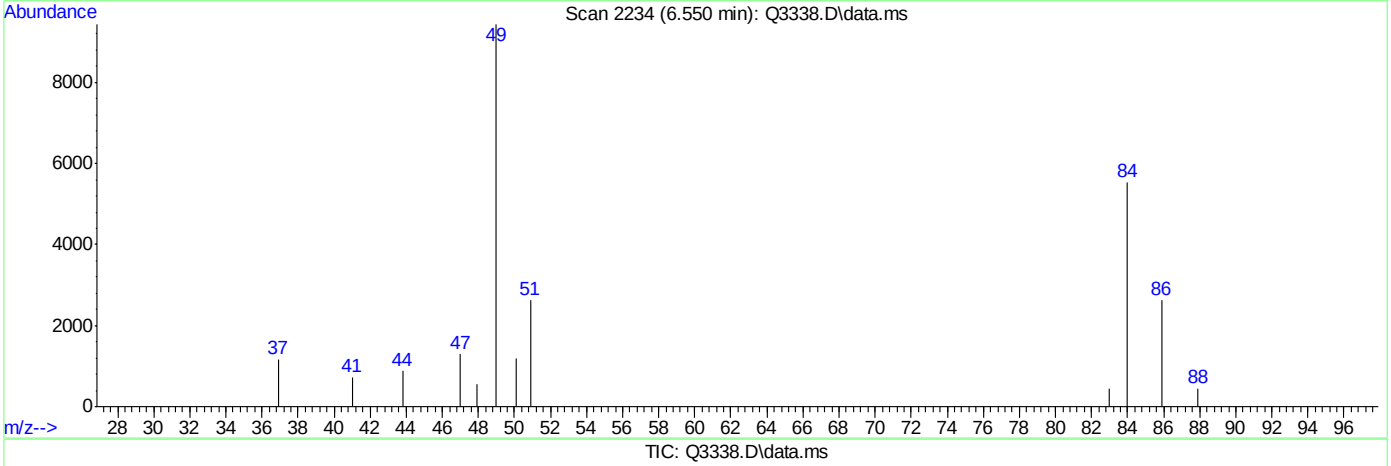
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	3.13#
42.00	4.60	3.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.550min (+0.004) 0.40PPBV

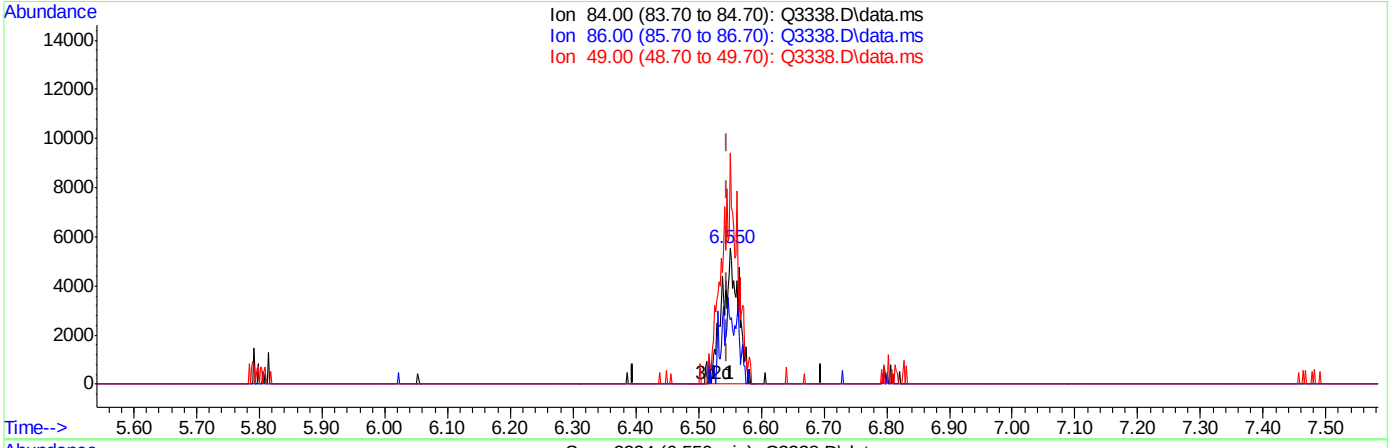
response 7068

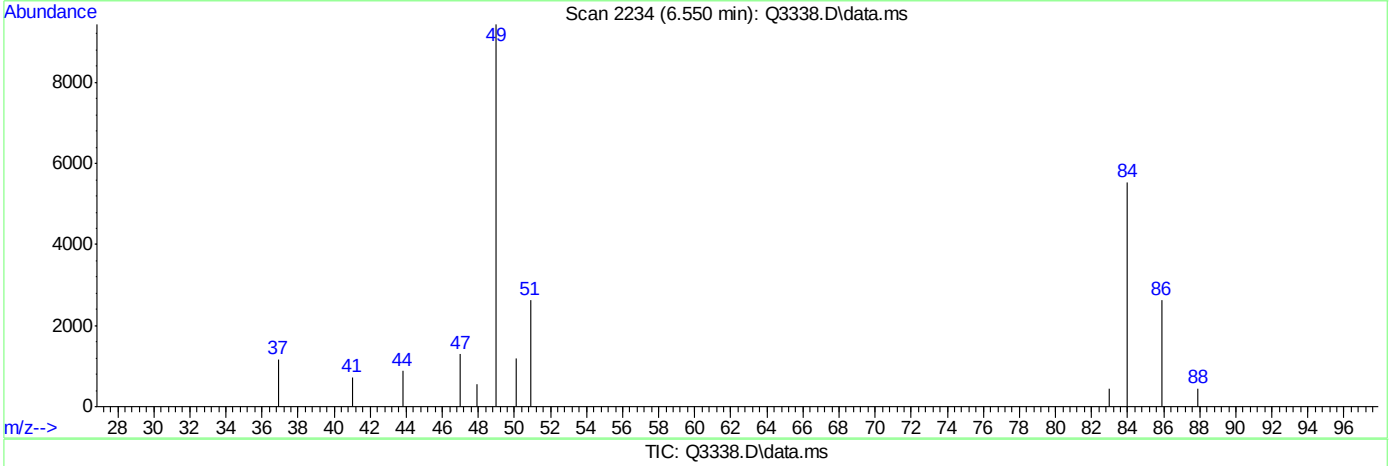
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	52.99
49.00	118.80	229.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.550min (+0.004) 0.58PPBV m

response 10272

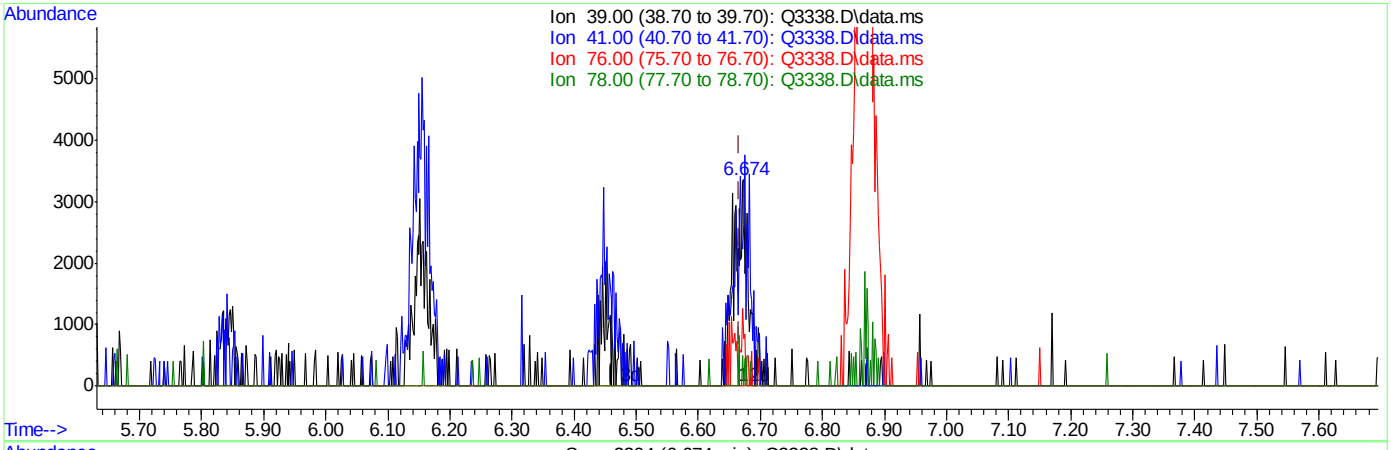
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	36.46#
49.00	118.80	157.94
0.00	0.00	0.00

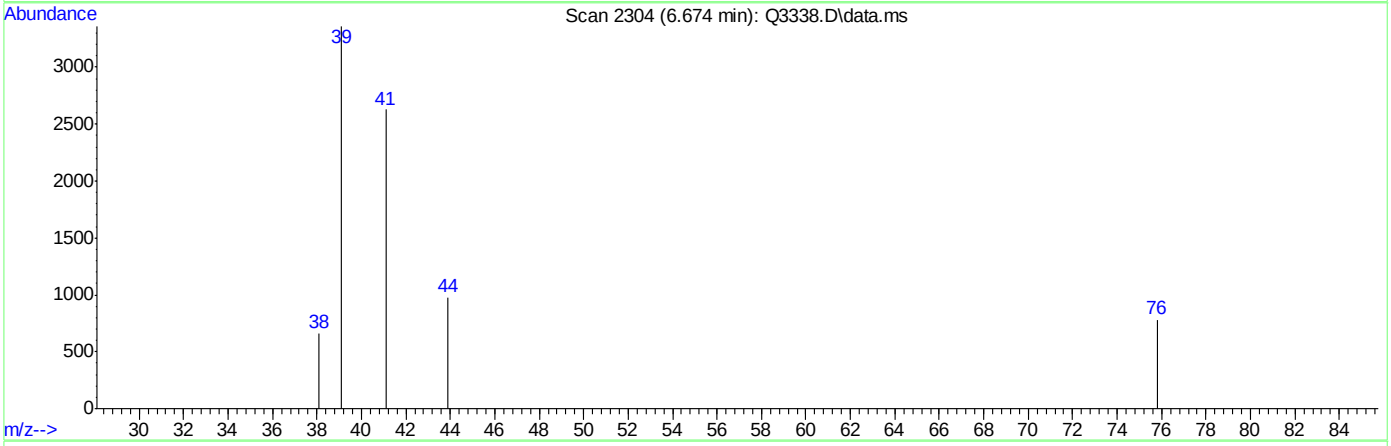
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.674min (+0.007) 0.39PPBV

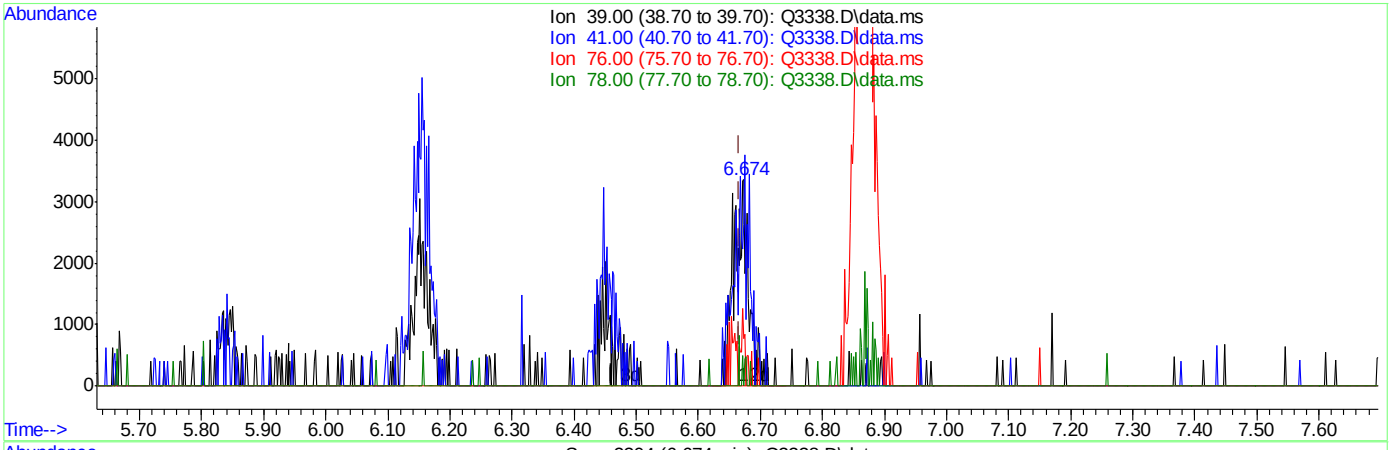
response 5470

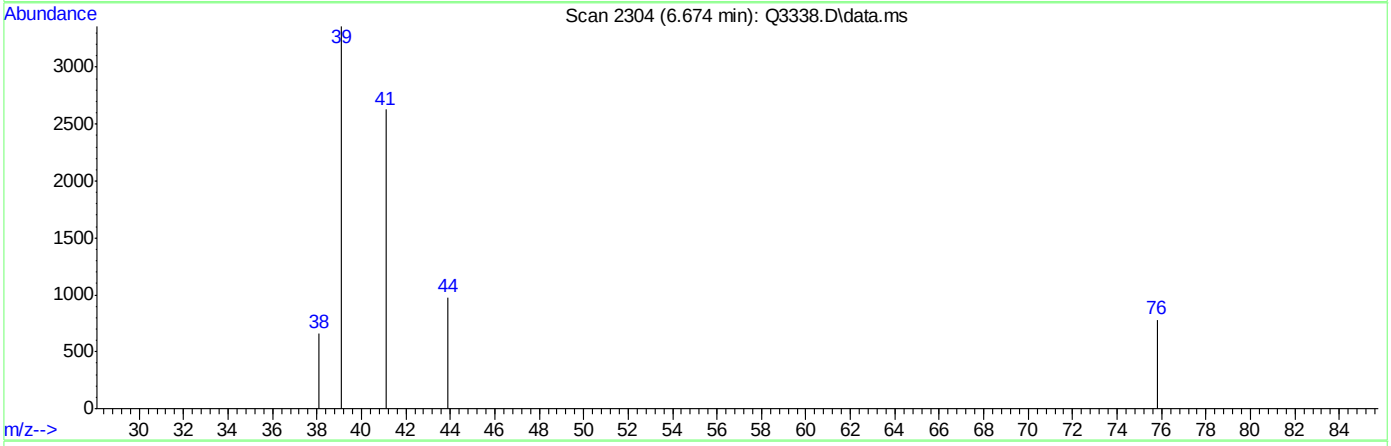
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	65.43#
76.00	46.50	12.12#
78.00	15.30	3.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.674min (+0.007) 0.42PPBV m

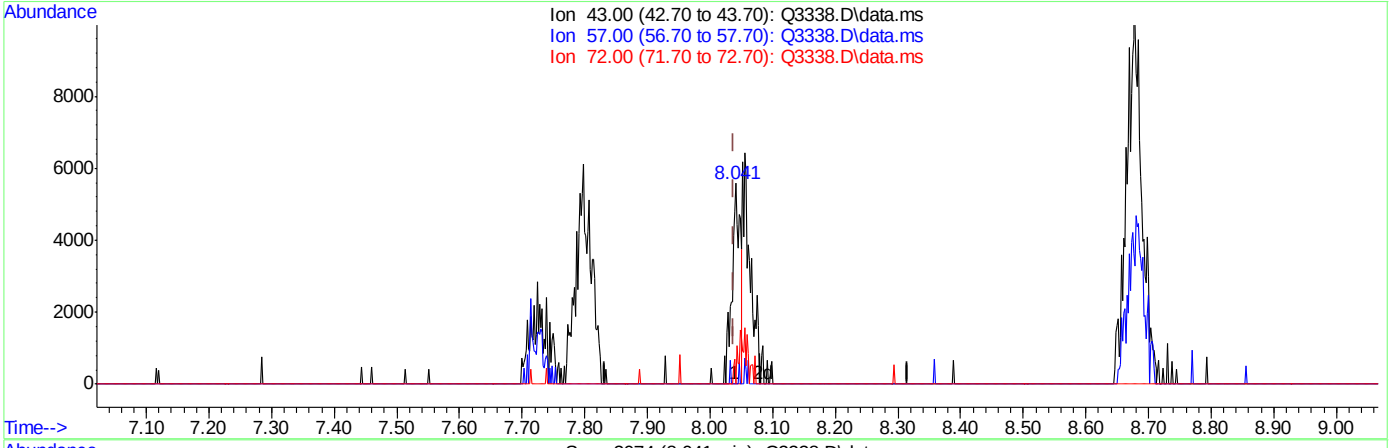
response 5832

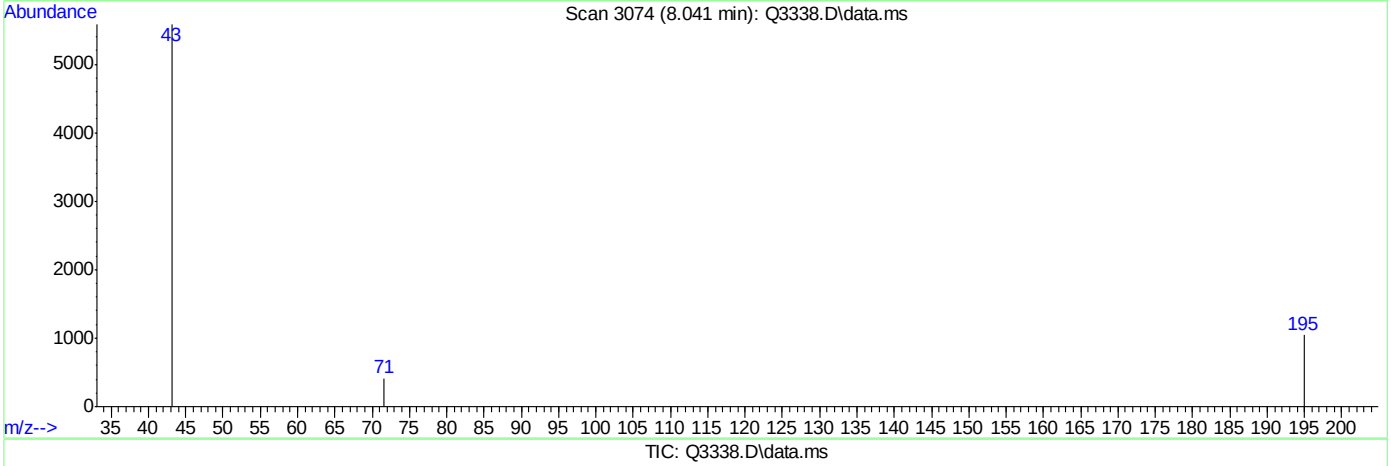
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	61.37#
76.00	46.50	11.37#
78.00	15.30	3.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.041min (+0.002) 0.26PPBV

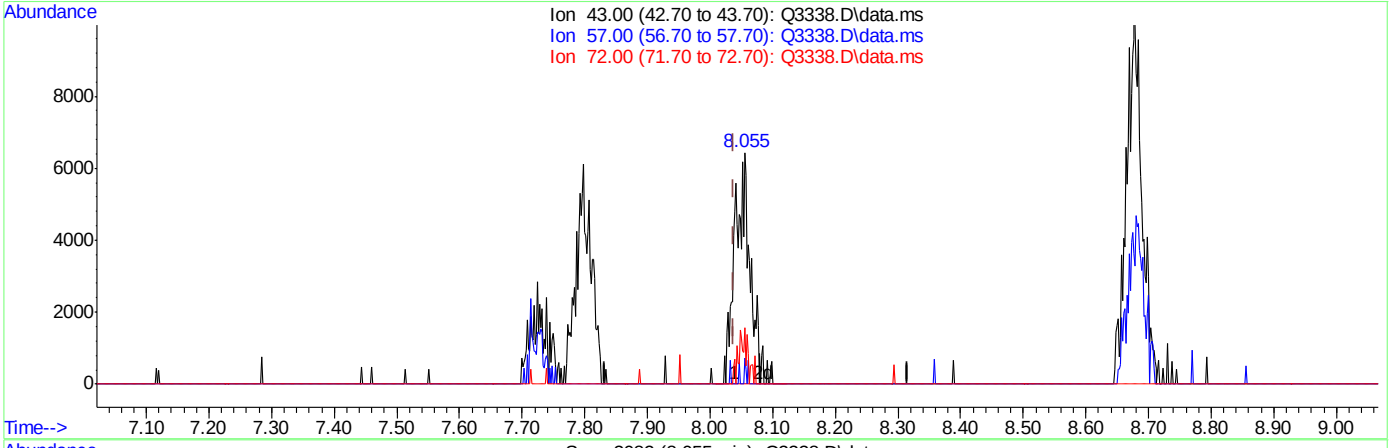
response 5101

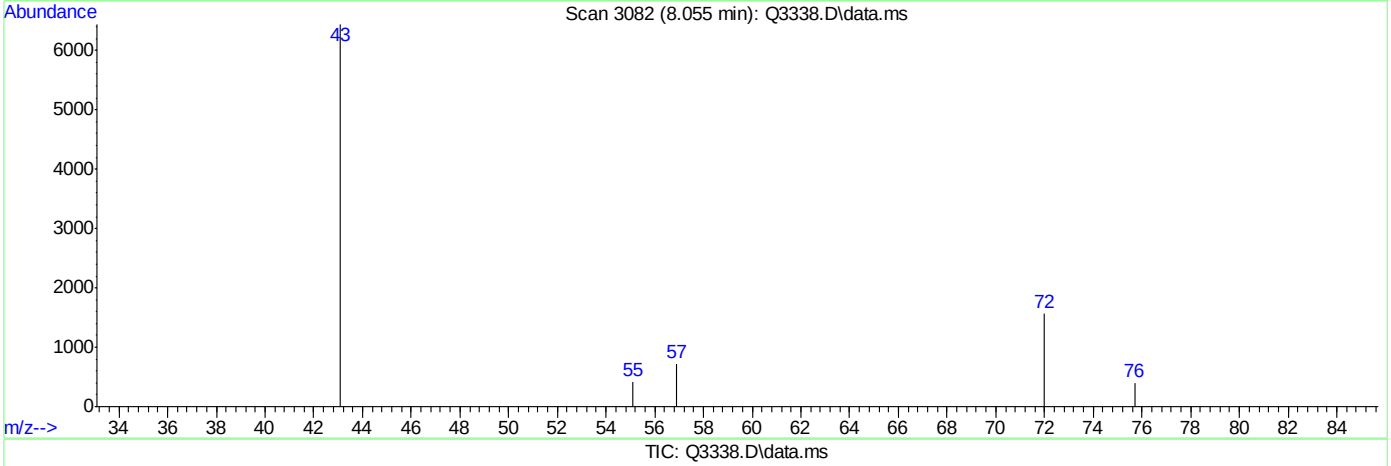
Ion	Exp%	Act%
43.00	100	100
57.00	6.80	0.00
72.00	20.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.055min (+0.016) 0.56PPBV m

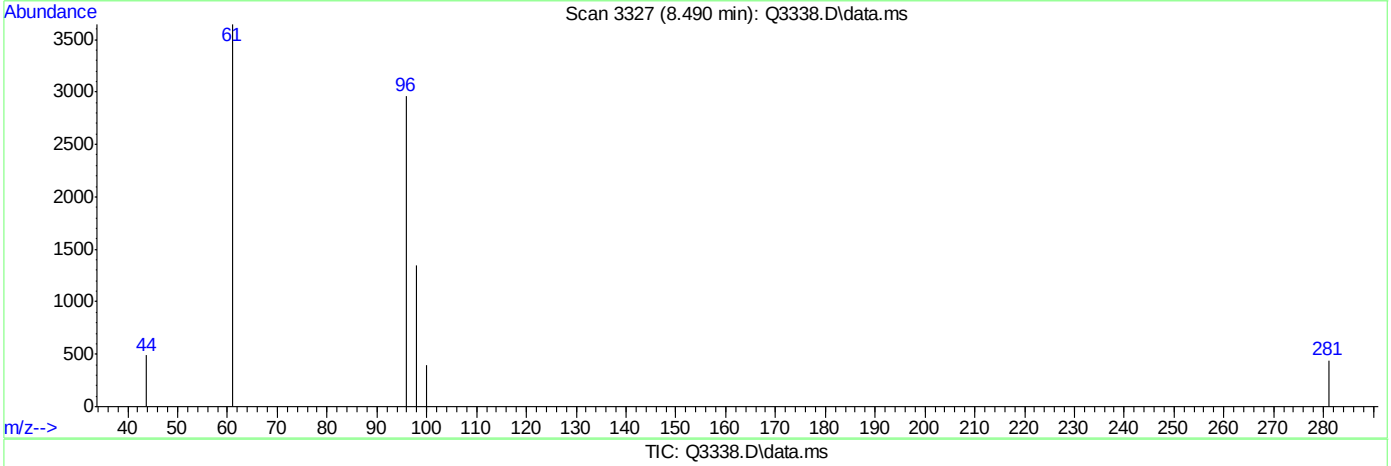
response 10876

Ion	Exp%	Act%
43.00	100	100
57.00	6.80	11.17
72.00	20.50	24.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration



TIC: Q3338.D\data.ms

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

8.490min (+0.007) 0.22PPBV

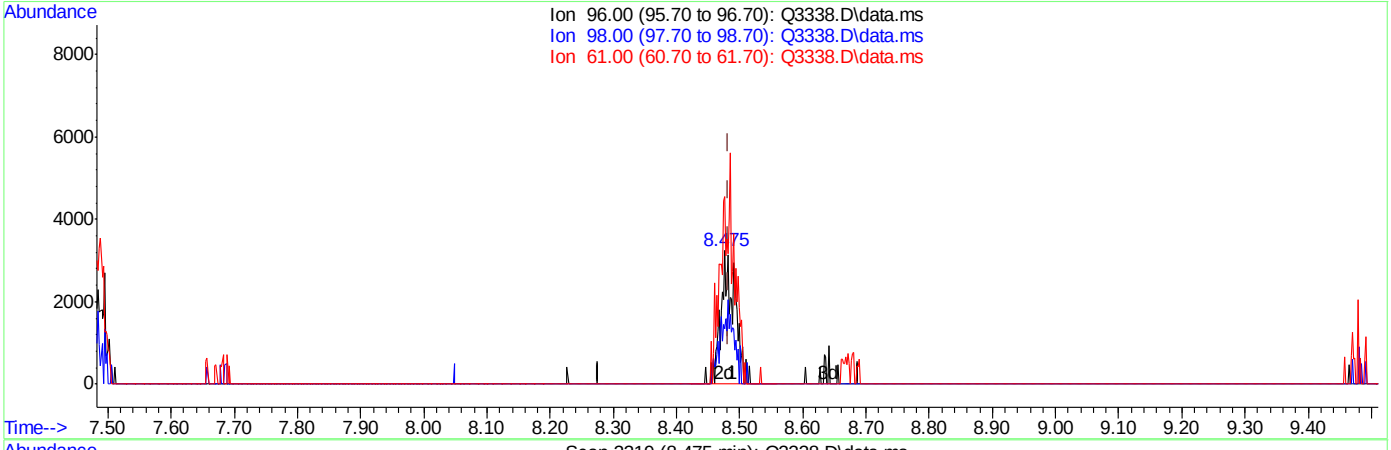
response 2161

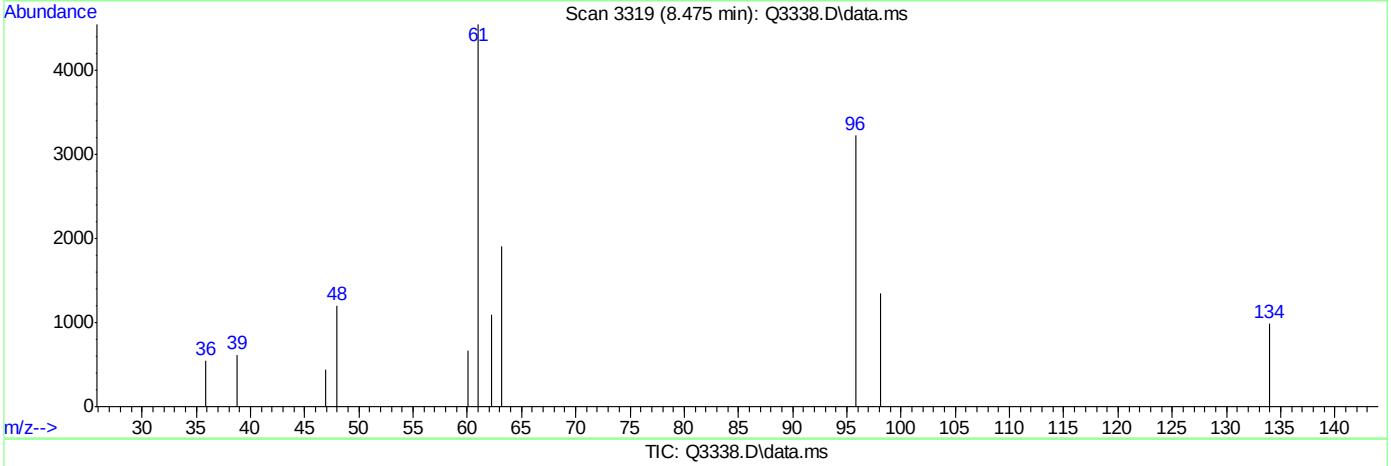
Ion	Exp%	Act%
96.00	100	100
98.00	64.10	134.06#
61.00	148.70	359.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

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

8.475min (-0.007) 0.51PPBV m

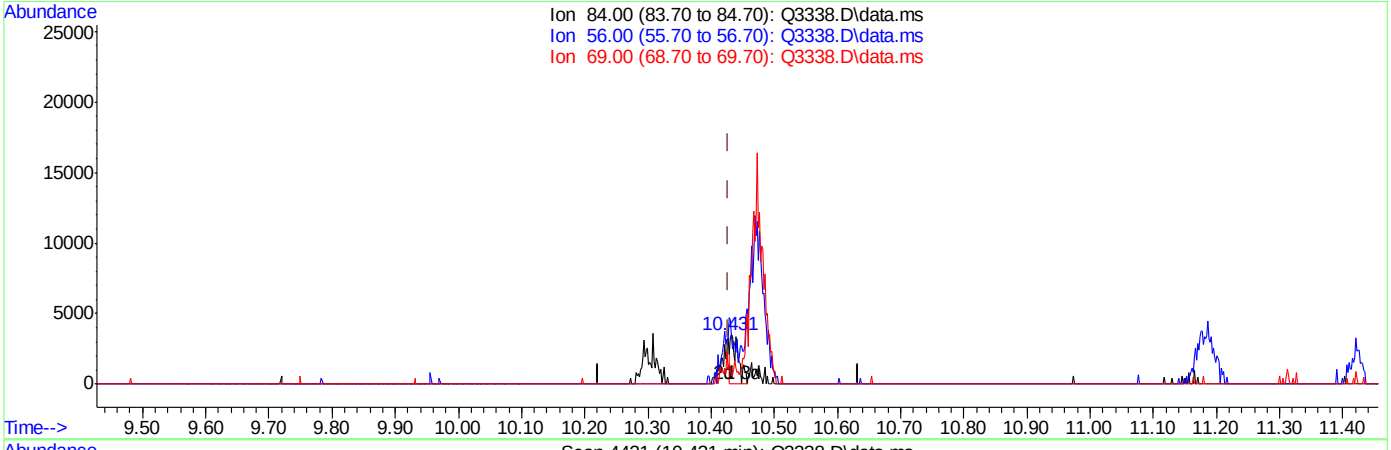
response 4961

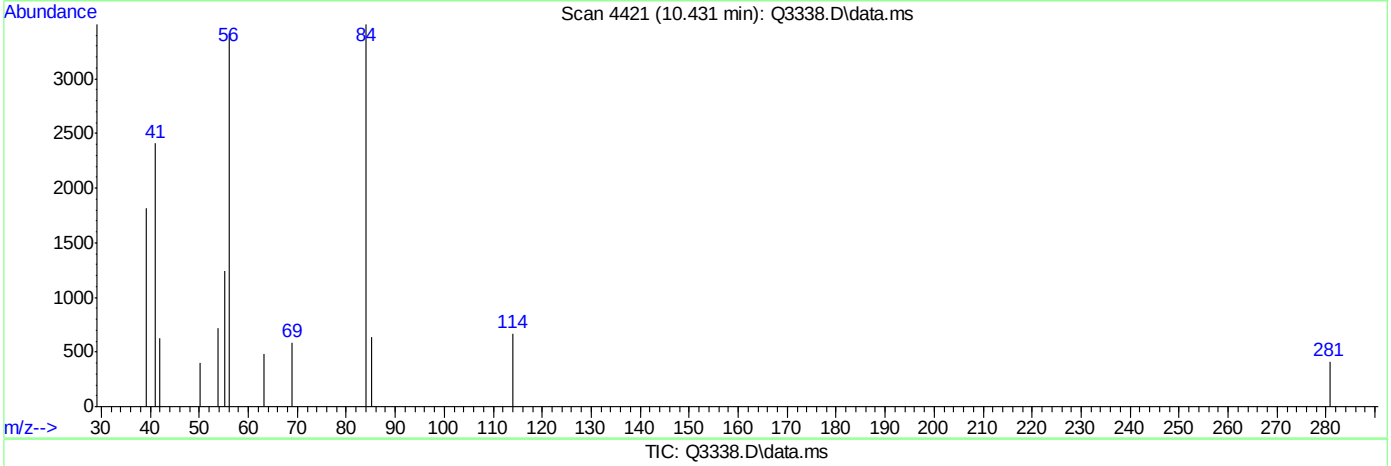
Ion	Exp%	Act%
96.00	100	100
98.00	64.10	58.40
61.00	148.70	156.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(37) CYCLOHEXANE (m)

10.431min (+0.004) 0.28PPBV

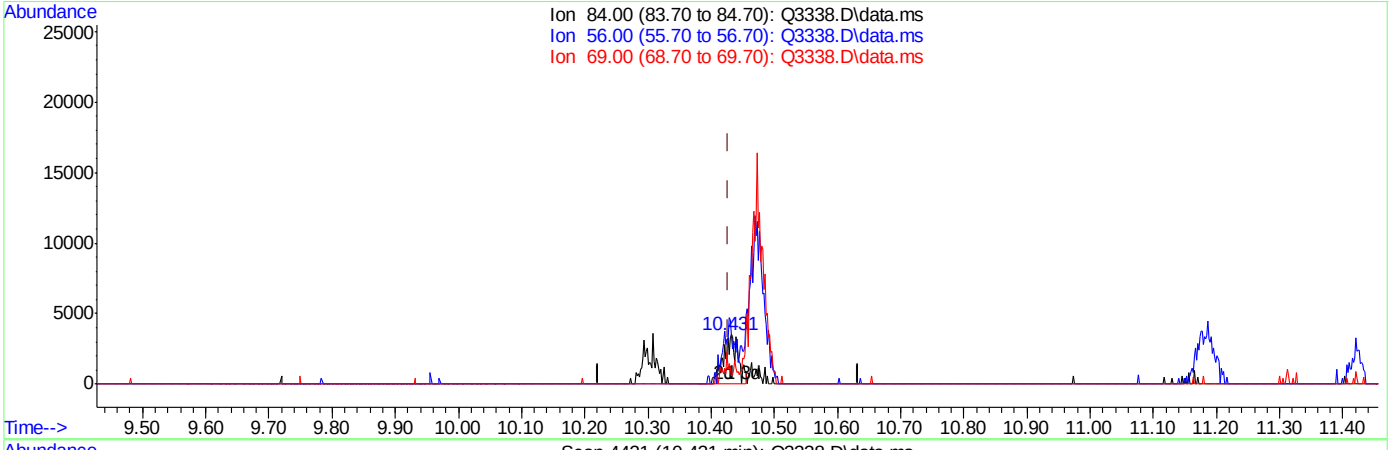
response 3126

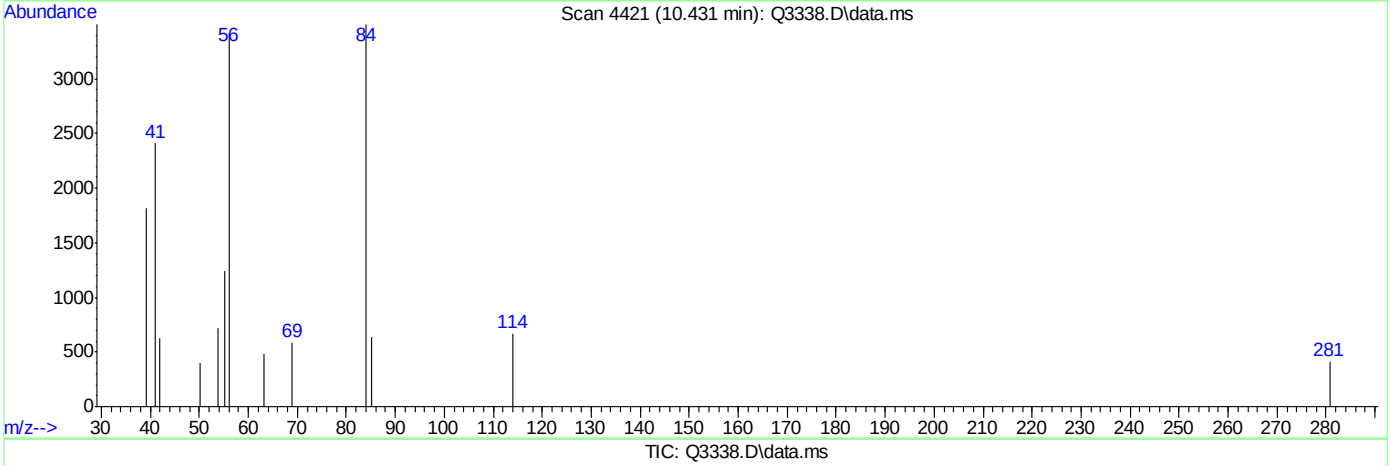
Ion	Exp%	Act%
84.00	100	100
56.00	129.80	184.17#
69.00	38.10	46.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(37) CYCLOHEXANE (m)

10.431min (+0.004) 0.50PPBV m

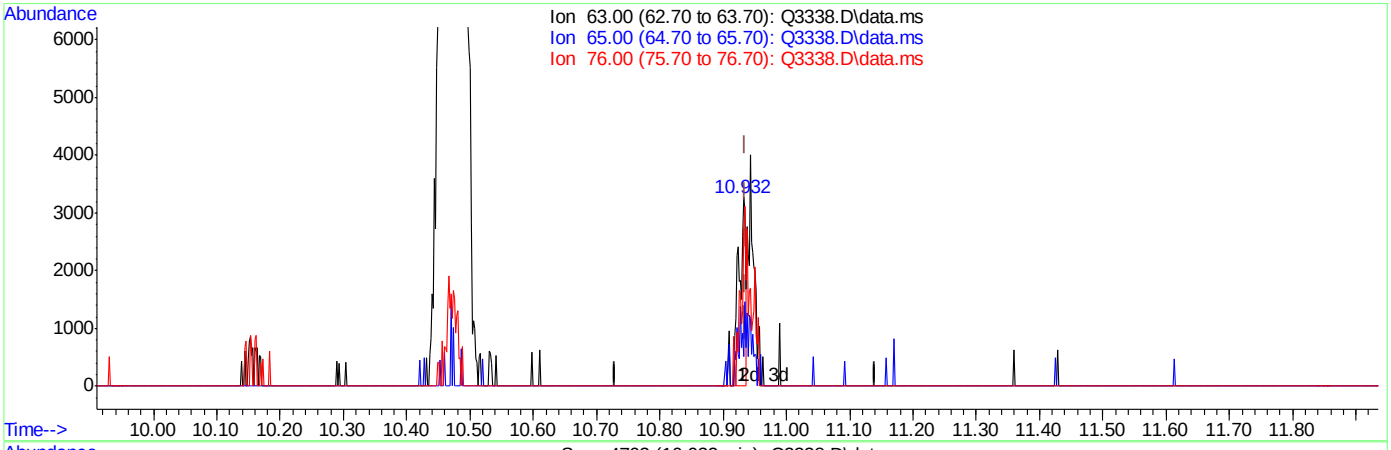
response 5587

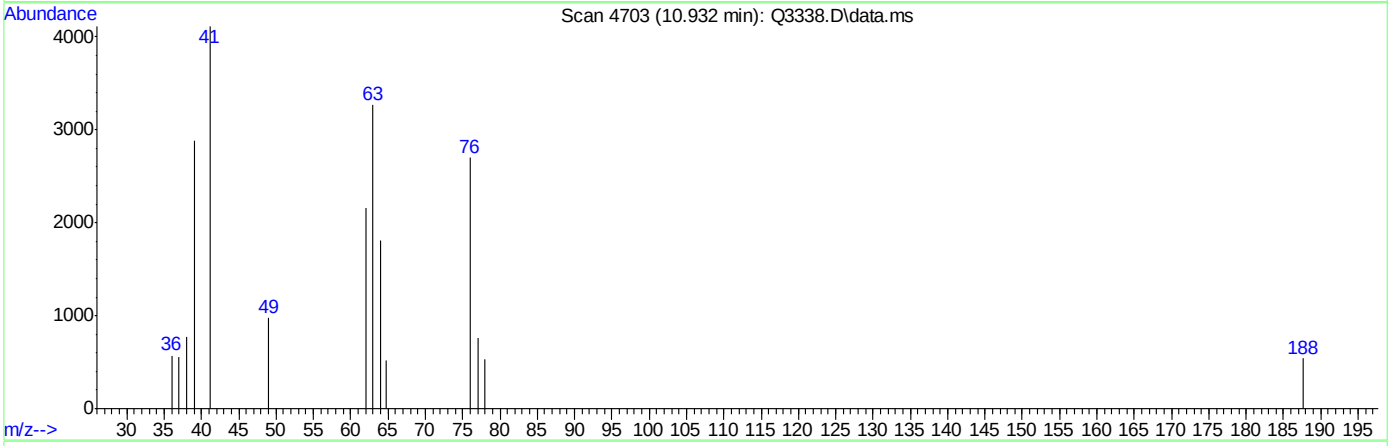
Ion	Exp%	Act%
84.00	100	100
56.00	129.80	103.04#
69.00	38.10	25.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.932min (-0.003) 0.25PPBV

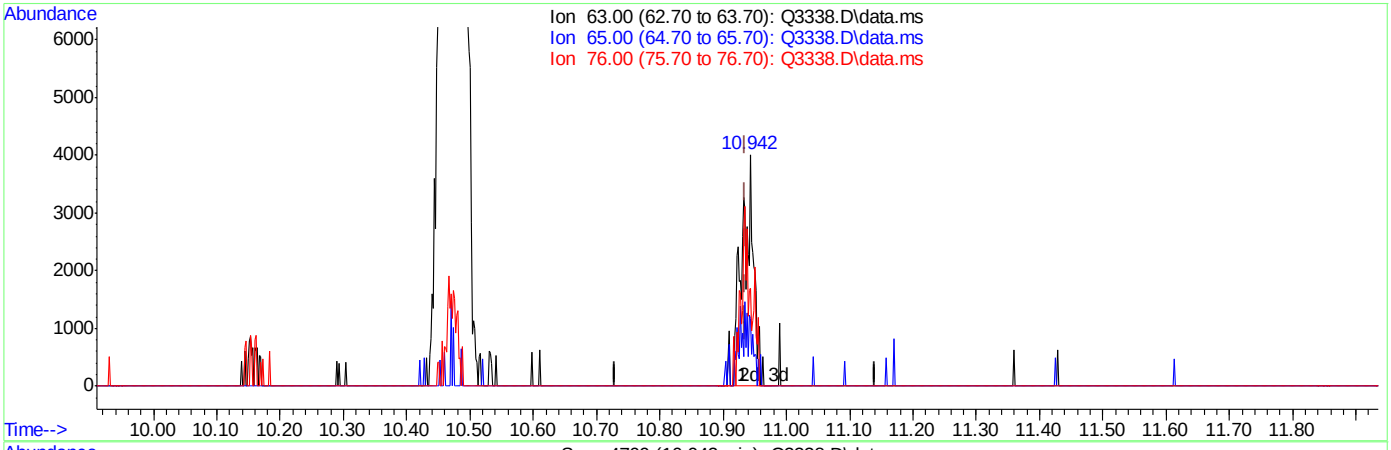
response 2393

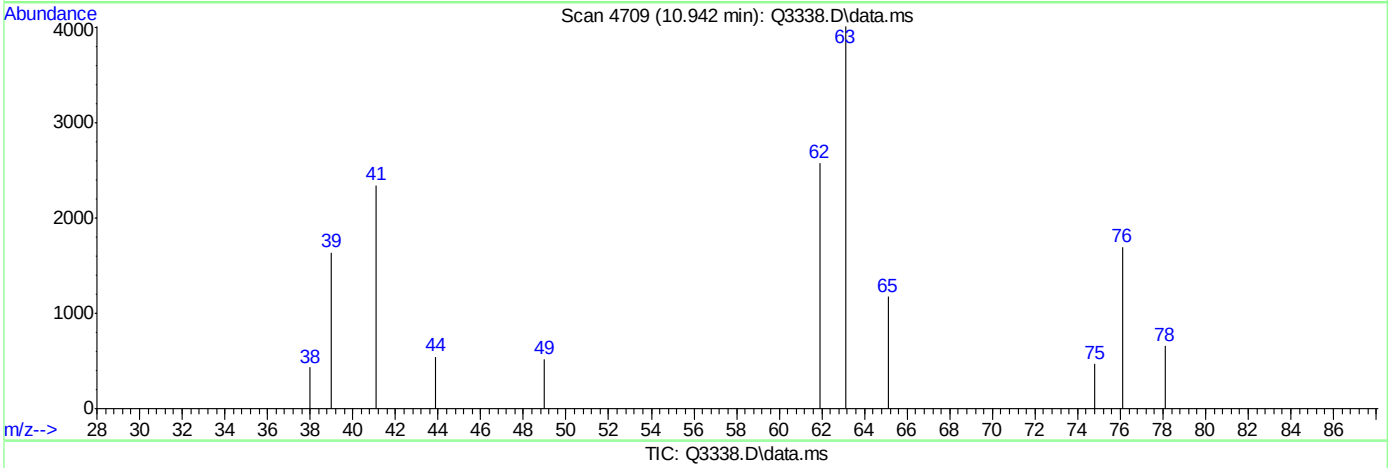
Ion	Exp%	Act%
63.00	100	100
65.00	30.10	29.46
76.00	52.40	89.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.942min (+0.007) 0.54PPBV m

response 5112

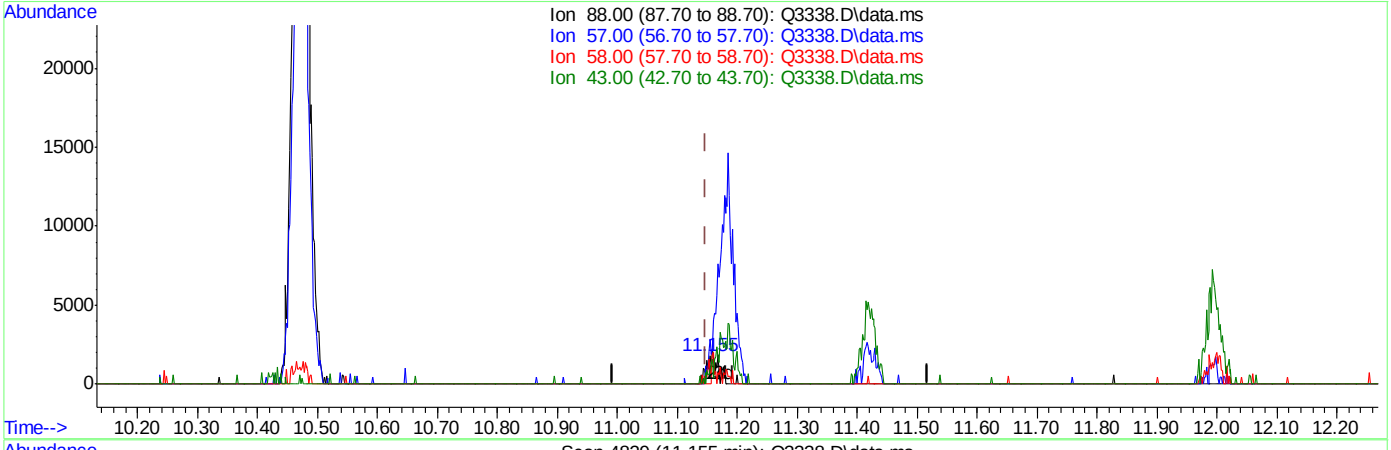
Ion	Exp%	Act%
63.00	100	100
65.00	30.10	13.79
76.00	52.40	41.86
0.00	0.00	0.00

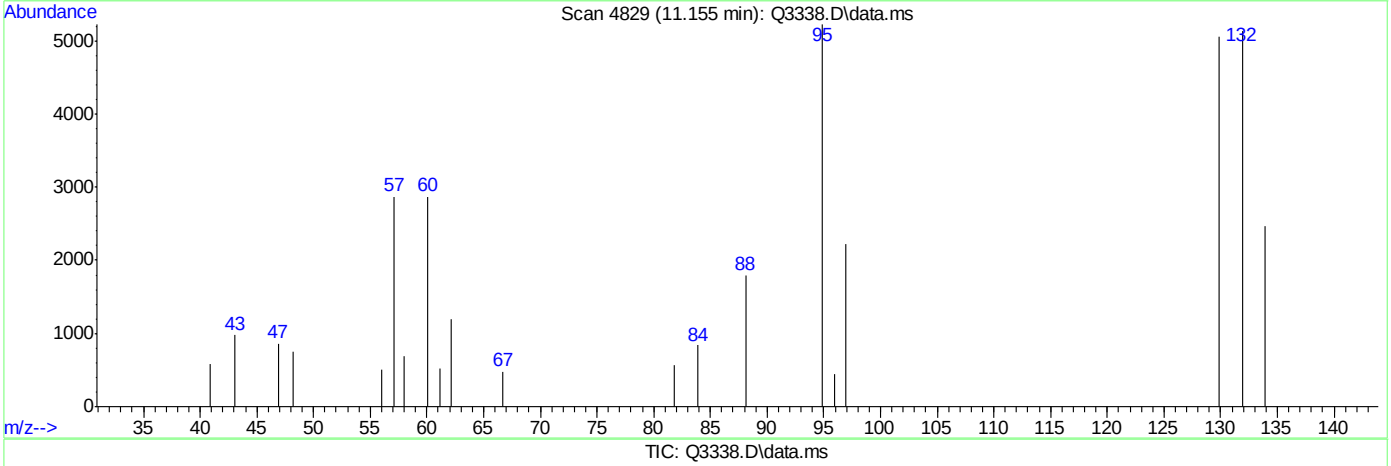
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(42) 1,4-DIOXANE (m)

11.155min (+0.007) 0.22PPBV

response 1094

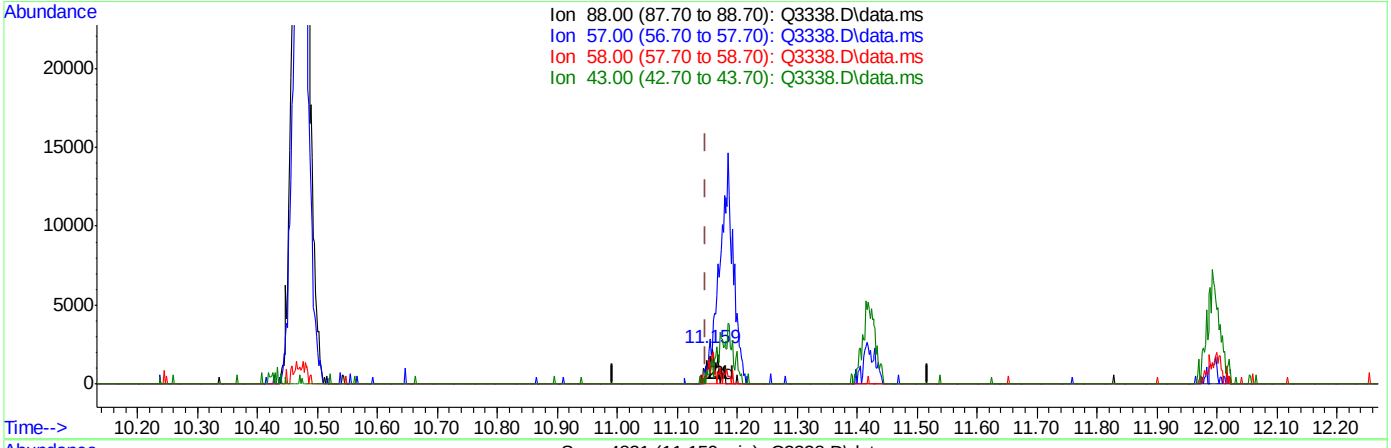
Ion	Exp%	Act%
88.00	100	100
57.00	50.70	159.61#
58.00	57.60	38.83
43.00	37.30	54.48

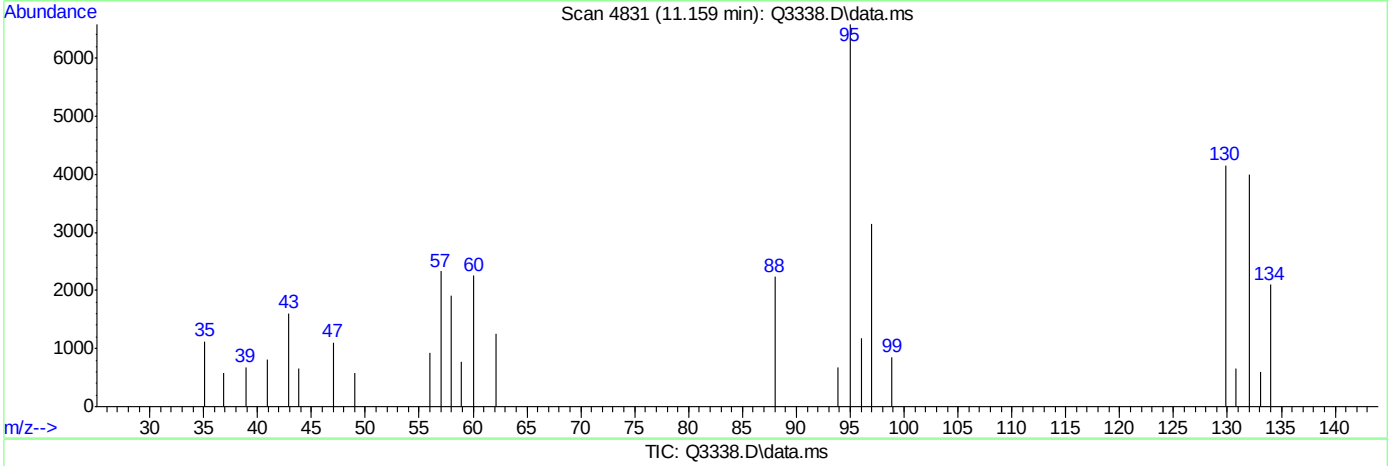
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(42) 1,4-DIOXANE (m)

11.159min (+0.011) 0.51PPBV m

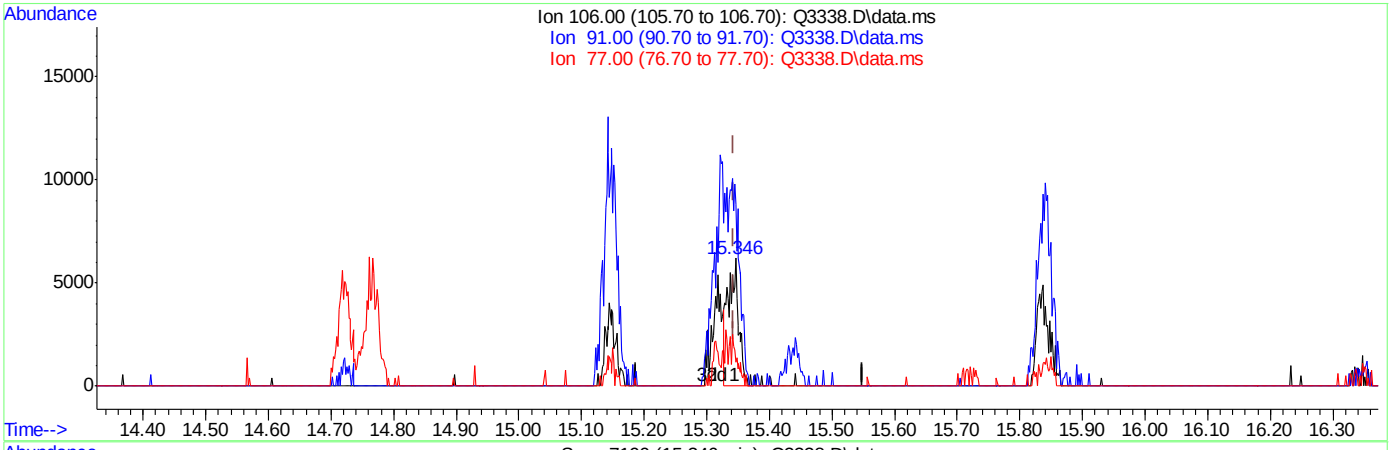
response 2552

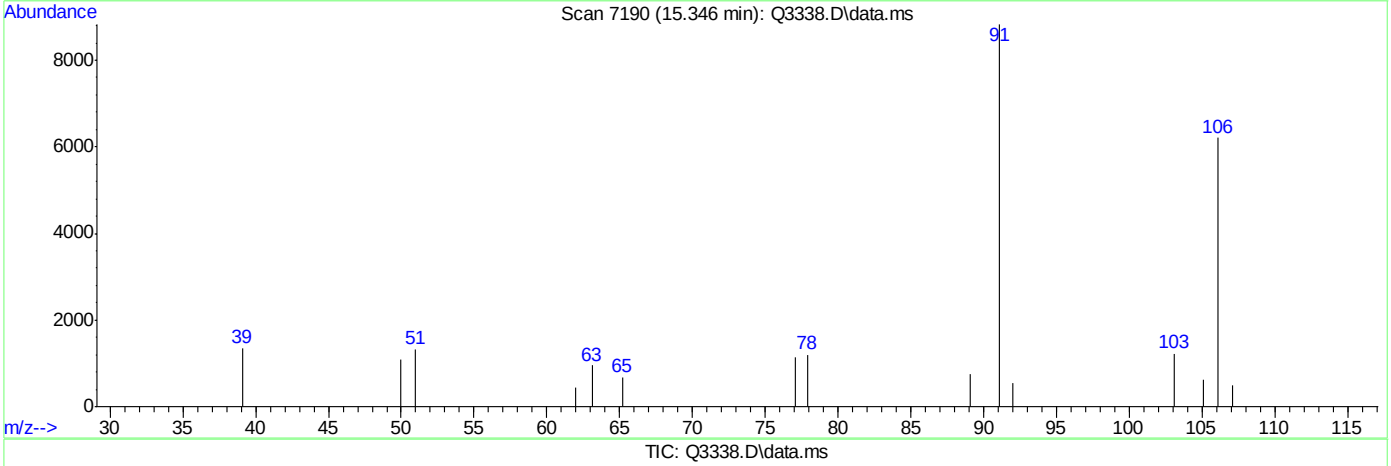
Ion	Exp%	Act%
88.00	100	100
57.00	50.70	104.39#
58.00	57.60	85.66#
43.00	37.30	71.91#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(56) m,p-XYLENE (m)

15.346min (+0.002) 0.49PPBV

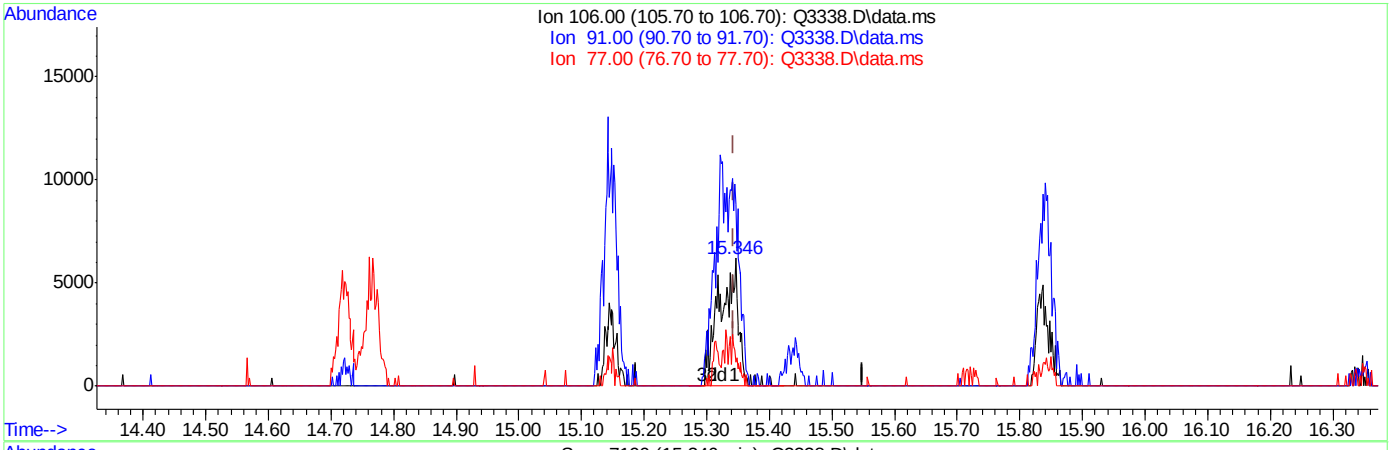
response 7648

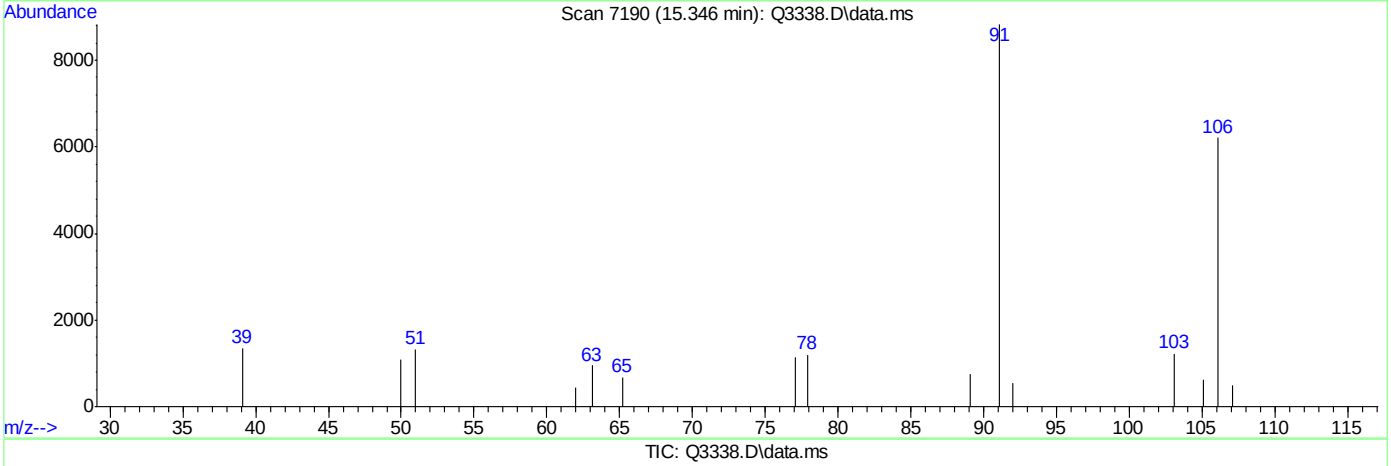
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	142.21#
77.00	31.20	18.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(56) m,p-XYLENE (m)

15.346min (+0.002) 0.85PPBV m

response 13229

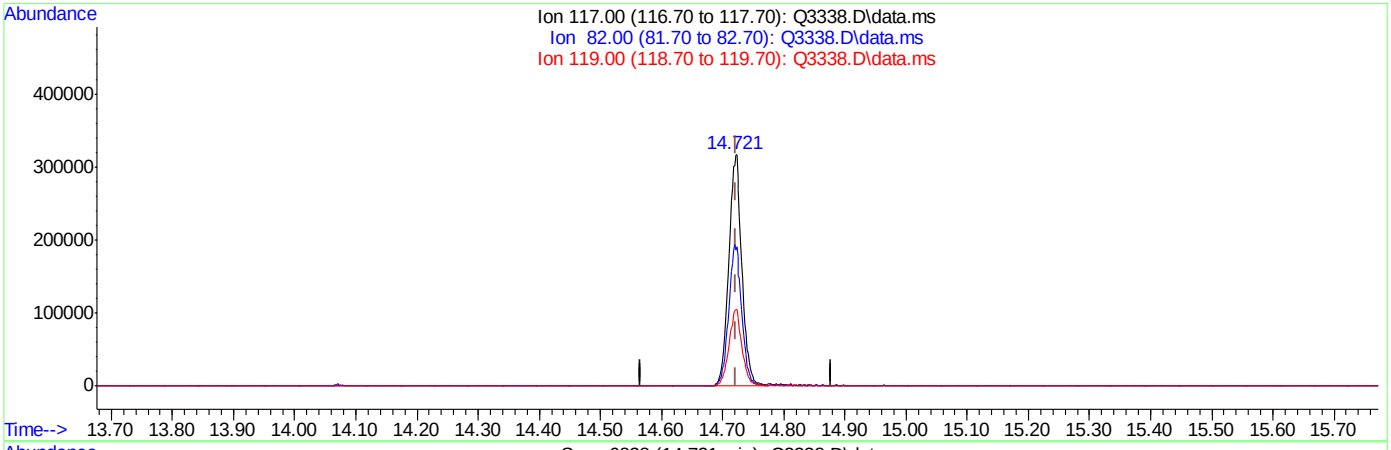
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	142.21#
77.00	31.20	18.45#
0.00	0.00	0.00

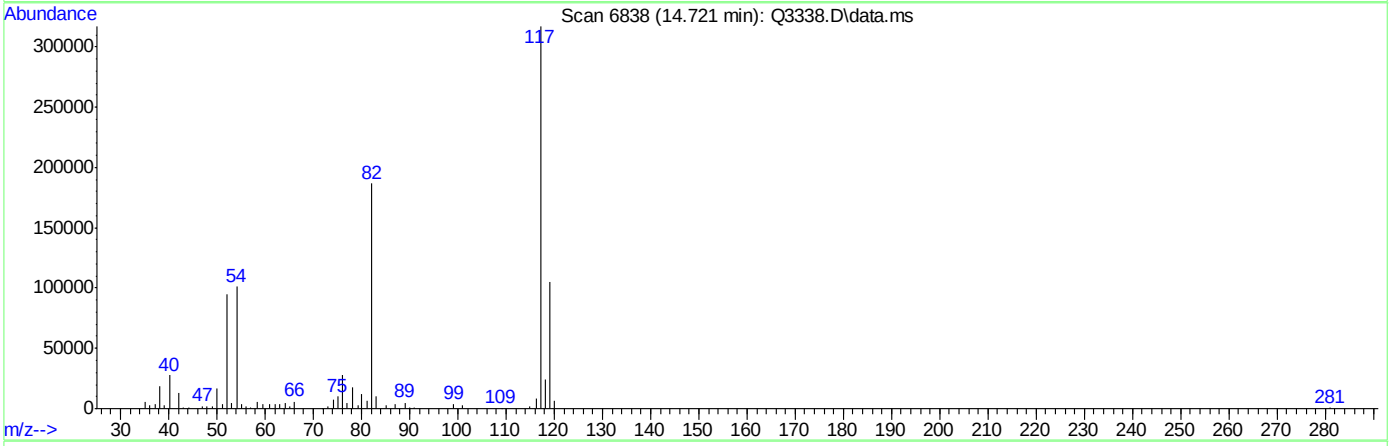
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:28:25 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.721min (-0.002) 10.00PPBV

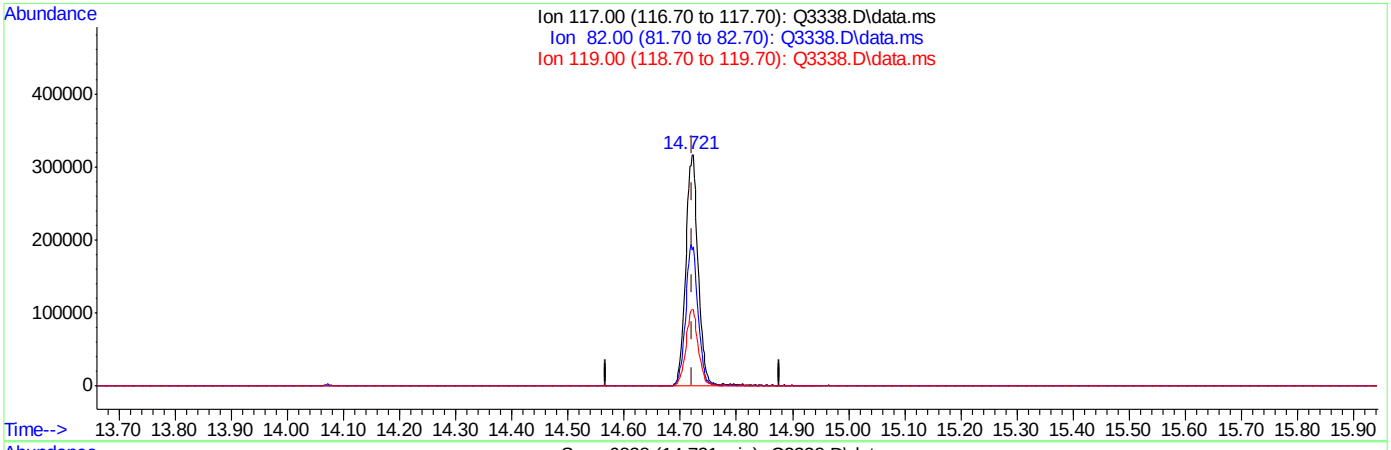
response 484280

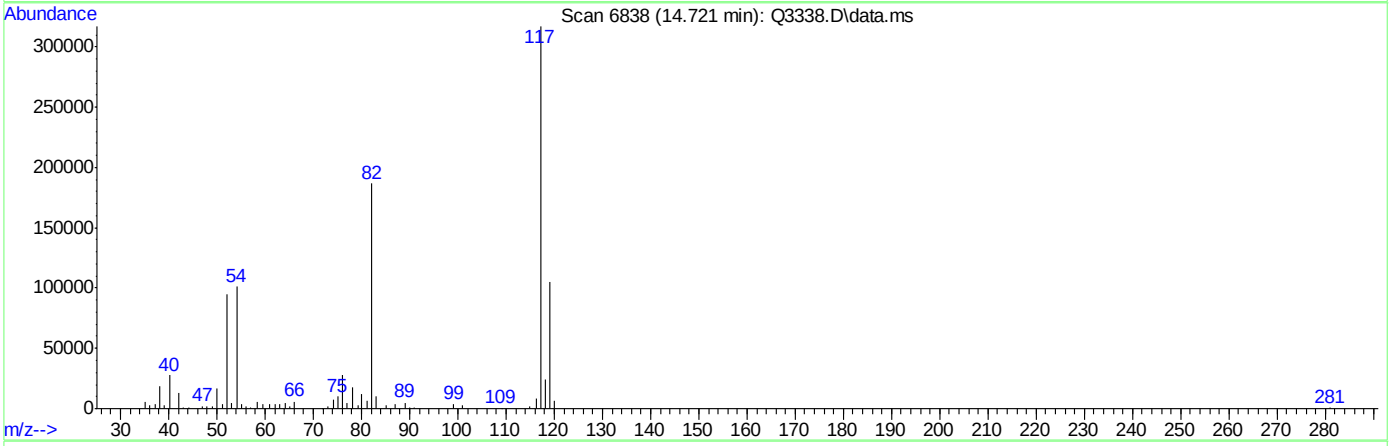
Ion	Exp%	Act%
117.00	100	100
82.00	57.00	60.89
119.00	32.10	33.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.721min (-0.002) 10.00PPBV m

response 497909

Ion	Exp%	Act%
117.00	100	100
82.00	57.00	59.22
119.00	32.10	32.30
0.00	0.00	0.00

Q3339.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:36:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.646	128	160379	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	729774	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.719	117	600663m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	210158	4.41	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.20%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	21549m	0.33	PPBV		
3) PROPYLENE	3.953	41	4043m	0.32	PPBV		
4) FREON 114	4.305	85	18657	0.33	PPBV		87
5) CHLOROMETHANE	4.195	50	5039m	0.36	PPBV		
6) VINYL CHLORIDE	4.420	62	4597m	0.30	PPBV		
7) 1,3-BUTADIENE	4.560	39	4811m	0.31	PPBV		
8) BROMOMETHANE	4.835	94	4727	0.30	PPBV	#	65
9) CHLOROETHANE	5.016	64	1097m	0.19	PPBV		
10) TRICHLOROFLUOROMETHANE	5.792	101	27038	0.36	PPBV		98
11) ISOPROPYL ALCOHOL	5.851	45	11292m	0.42	PPBV		
12) ACETONE	5.615	43	14511	0.48	PPBV		65
13) PENTANE	6.159	42	6901	0.43	PPBV	#	10
14) 1,1-DICHLOROETHYLENE	6.436	96	5544	0.39	PPBV	#	67
15) CARBON DISULFIDE	6.864	76	16496m	0.39	PPBV		
16) ETHANOL	5.096	45	1962m	0.40	PPBV		
17) BROMOETHENE	5.377	106	5294m	0.33	PPBV		
18) METHYLENE CHLORIDE	6.553	84	11755	0.51	PPBV	#	49
19) 3-CHLOROPROPENE	6.665	39	5778m	0.33	PPBV		
20) FREON 113	6.816	151	14267	0.45	PPBV	#	62
21) TRANS-1,2-DICHLOROETHY...	7.480	96	4189	0.32	PPBV		94
22) TERTIARY BUTYL ALCOHOL	6.461	59	8317	0.29	PPBV		98
23) METHYL TERTIARY BUTYL ...	7.728	73	5692	0.19	PPBV		74
24) TETRAHYDROFURAN	9.164	42	1836m	0.15	PPBV		
25) HEXANE	8.680	57	6654	0.31	PPBV	#	26
26) VINYL ACETATE	7.805	43	5312	0.19	PPBV	#	82
27) 1,1-DICHLOROETHANE	7.673	63	7240	0.28	PPBV	#	66
28) METHYL ETHYL KETONE	8.066	43	6170m	0.24	PPBV		
29) cis-1,2-DICHLOROETHYLENE	8.481	96	3033m	0.24	PPBV		
30) ETHYL ACETATE	8.673	43	11476	0.26	PPBV	#	94
31) CHLOROFORM	8.763	83	10431	0.29	PPBV	#	67
32) 1,1,1-TRICHLOROETHANE	9.714	97	10758	0.28	PPBV		98
33) CARBON TETRACHLORIDE	10.304	117	12719	0.28	PPBV		89
34) 1,2-DICHLOROETHANE	9.476	62	5667m	0.26	PPBV		
36) BENZENE	10.167	78	9184m	0.29	PPBV		
37) CYCLOHEXANE	10.430	84	2489	0.18	PPBV	#	69
38) TRICHLOROETHYLENE	11.155	95	5111	0.26	PPBV		93
39) 1,2-DICHLOROPROPANE	10.935	63	2751	0.23	PPBV	#	56
40) BROMODICHLOROMETHANE	11.115	83	7790	0.24	PPBV	#	58
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	11732	0.21	PPBV		91
43) HEPTANE	11.422	43	3944	0.18	PPBV		89
44) METHYL ISOBUTYL KETONE	12.000	43	4835	0.17	PPBV		71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:36:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration

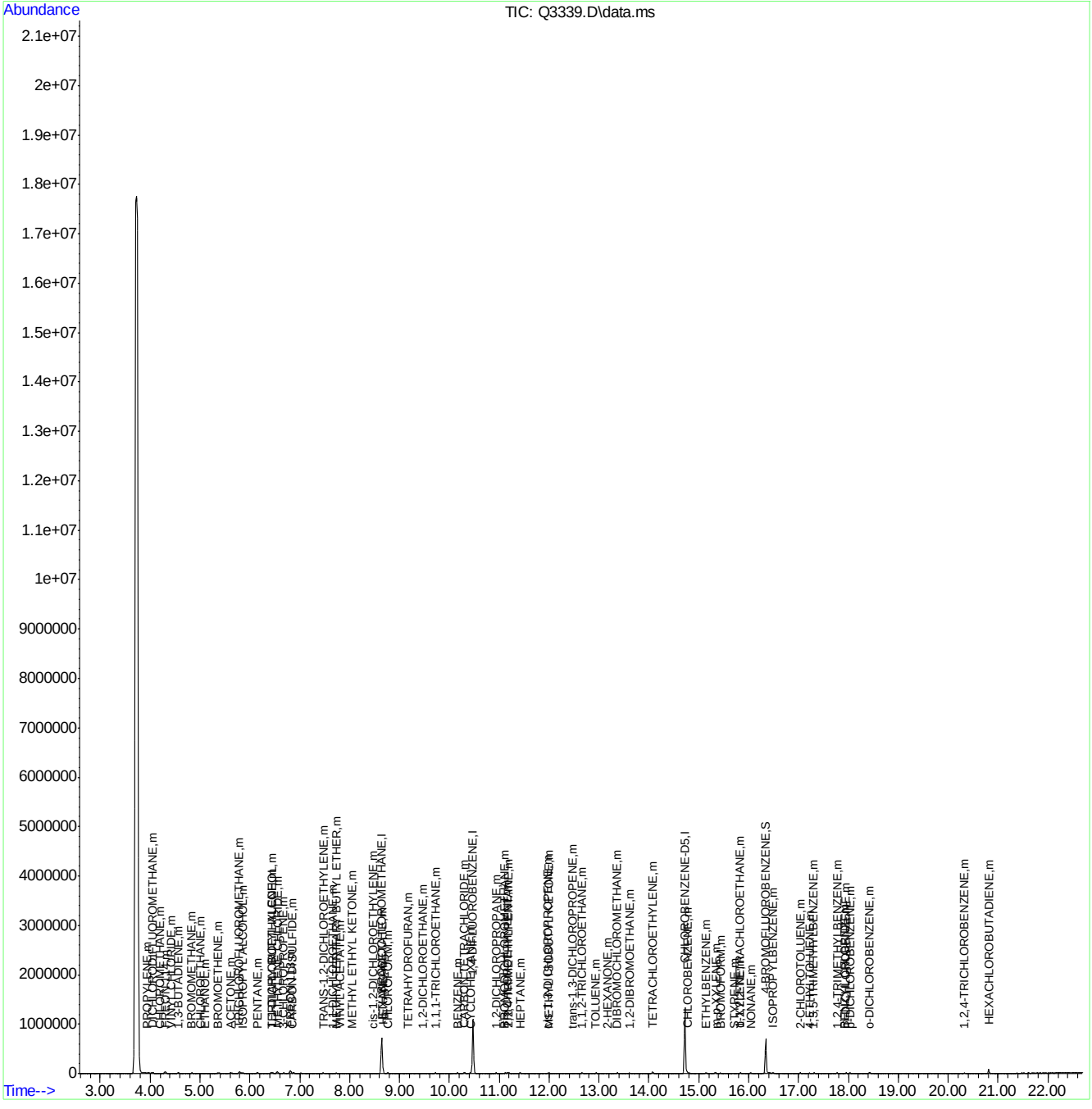
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.979	75	4054	0.22 PPBV #	51
46) TOLUENE	12.936	92	4561	0.22 PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.478	75	2089m	0.16 PPBV	
48) 1,1,2-TRICHLOROETHANE	12.659	83	3250	0.17 PPBV #	80
50) 2-HEXANONE	13.170	43	3404	0.15 PPBV #	56
51) TETRACHLOROETHYLENE	14.070	164	3918	0.22 PPBV	84
52) DIBROMOCHLOROMETHANE	13.365	129	6477	0.21 PPBV #	80
53) 1,2-DIBROMOETHANE	13.619	107	4816	0.21 PPBV #	99
54) CHLOROBENZENE	14.776	112	7323m	0.24 PPBV	
55) ETHYLBENZENE	15.147	91	8899	0.18 PPBV	69
56) m,p-XYLENE	15.339	106	6506m	0.35 PPBV	
57) o-XYLENE	15.841	106	2967	0.16 PPBV #	47
58) STYRENE	15.720	104	2183	0.10 PPBV	89
59) NONANE	16.040	43	4638	0.15 PPBV #	80
60) BROMOFORM	15.436	173	4228	0.16 PPBV #	79
62) 1,1,2,2-TETRACHLOROETHANE	15.825	83	8648	0.26 PPBV	88
63) ISOPROPYLBENZENE	16.482	105	9646	0.14 PPBV	89
64) 2-CHLOROTOLUENE	17.035	91	7471	0.18 PPBV	82
65) 4-ETHYLTOLUENE	17.227	105	5412	0.12 PPBV #	90
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	8057m	0.17 PPBV	
67) 1,2,4-TRIMETHYLBENZENE	17.770	105	5925	0.13 PPBV #	63
68) m-DICHLOROBENZENE	17.956	146	4726m	0.18 PPBV	
69) BENZYL CHLORIDE	17.928	91	2937m	0.13 PPBV	
70) p-DICHLOROBENZENE	18.034	146	3791	0.16 PPBV	93
71) o-DICHLOROBENZENE	18.414	146	6566	0.24 PPBV #	65
72) HEXACHLOROBUTADIENE	20.817	225	9219	0.69 PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.324	180	2414	0.44 PPBV #	73

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:36:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration

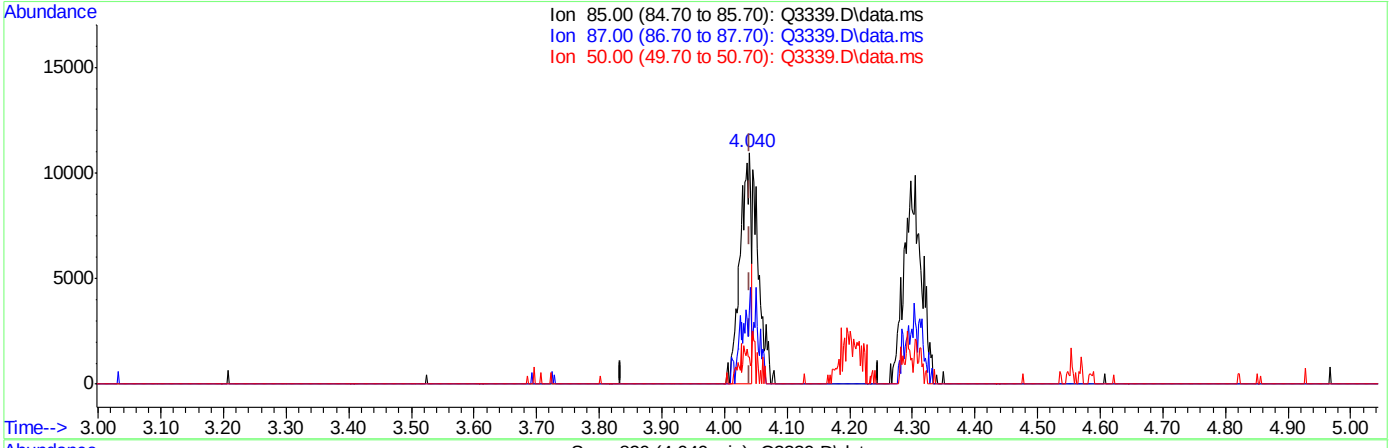


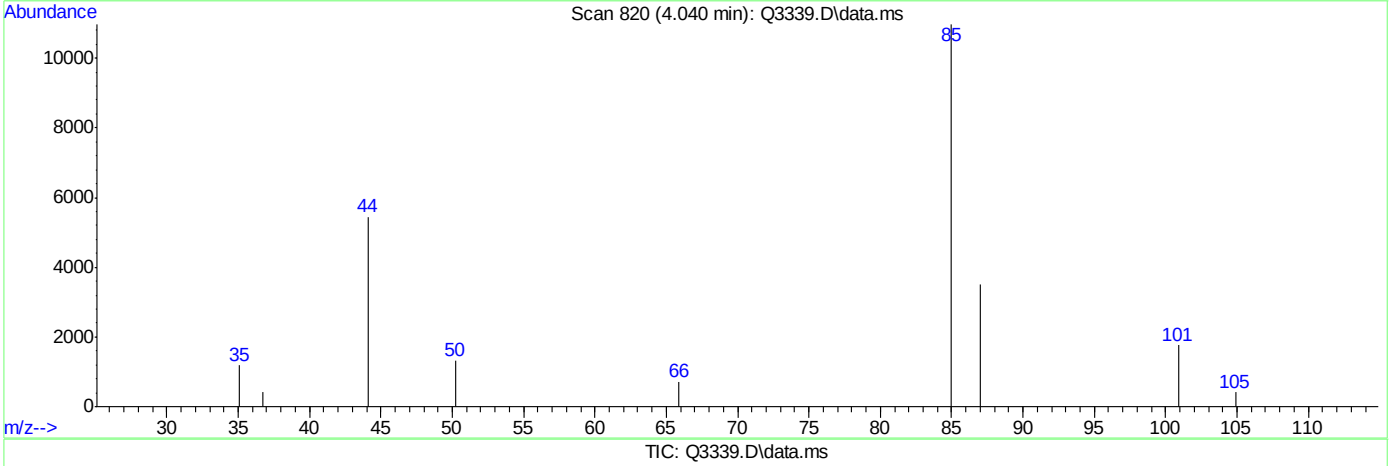
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.040min (+0.000) 0.21PPBV

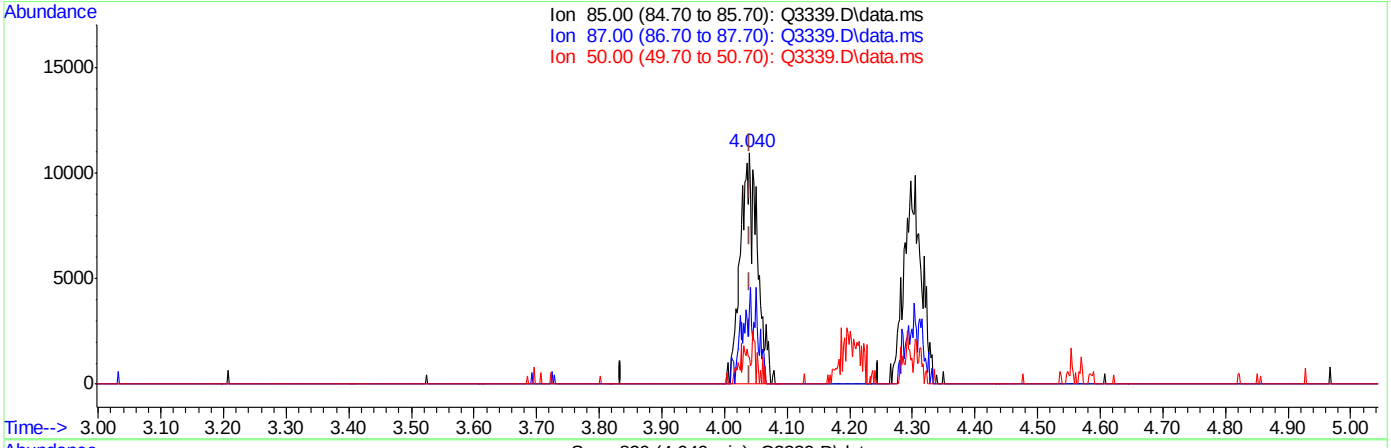
response 13590

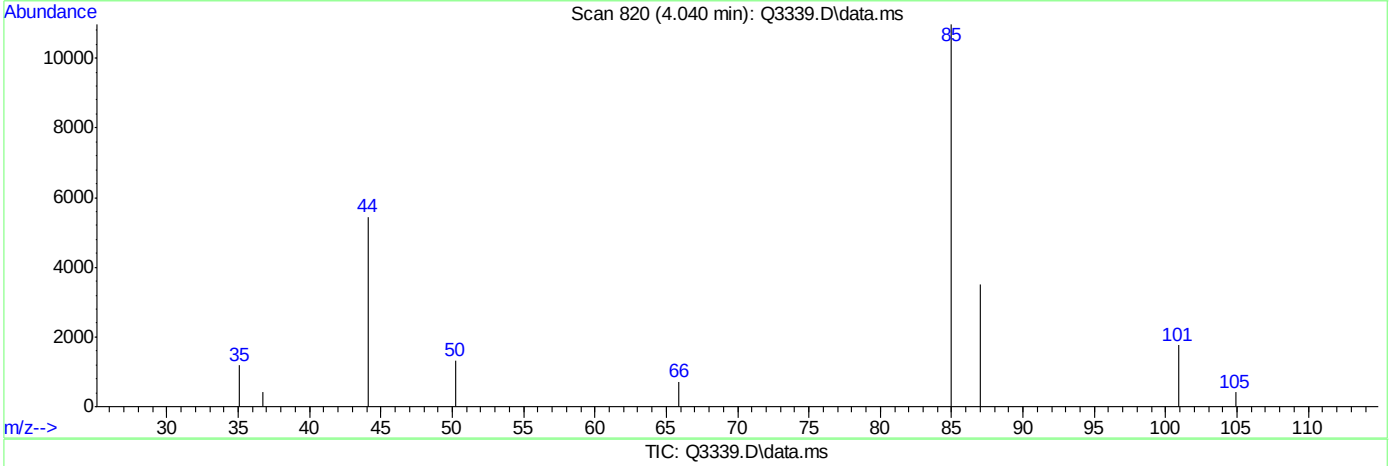
Ion	Exp%	Act%
85.00	100	100
87.00	32.80	34.47
50.00	11.60	6.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.040min (+0.000) 0.33PPBV m

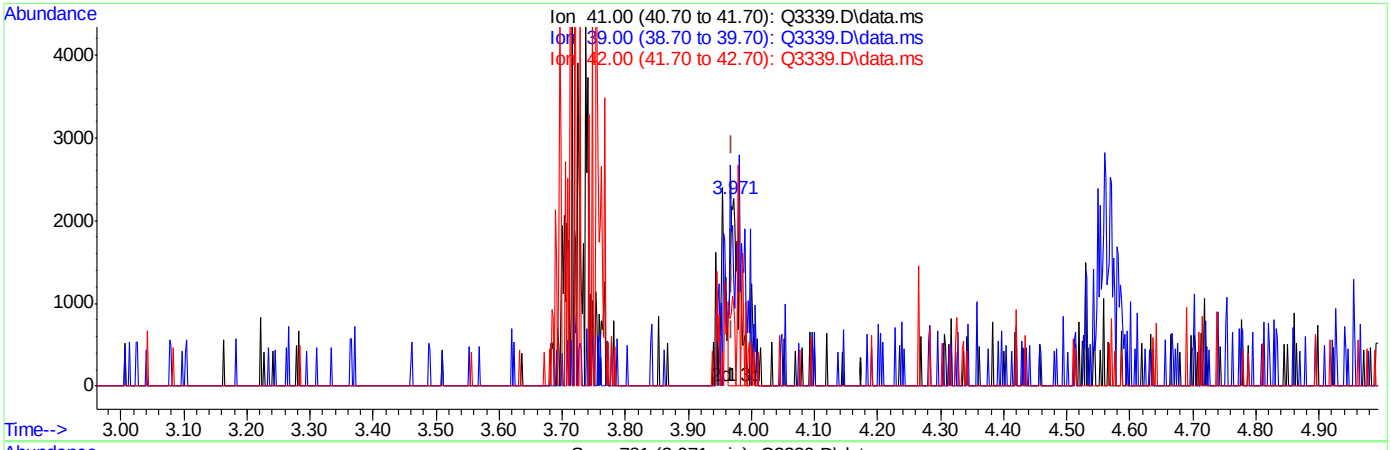
response 21549

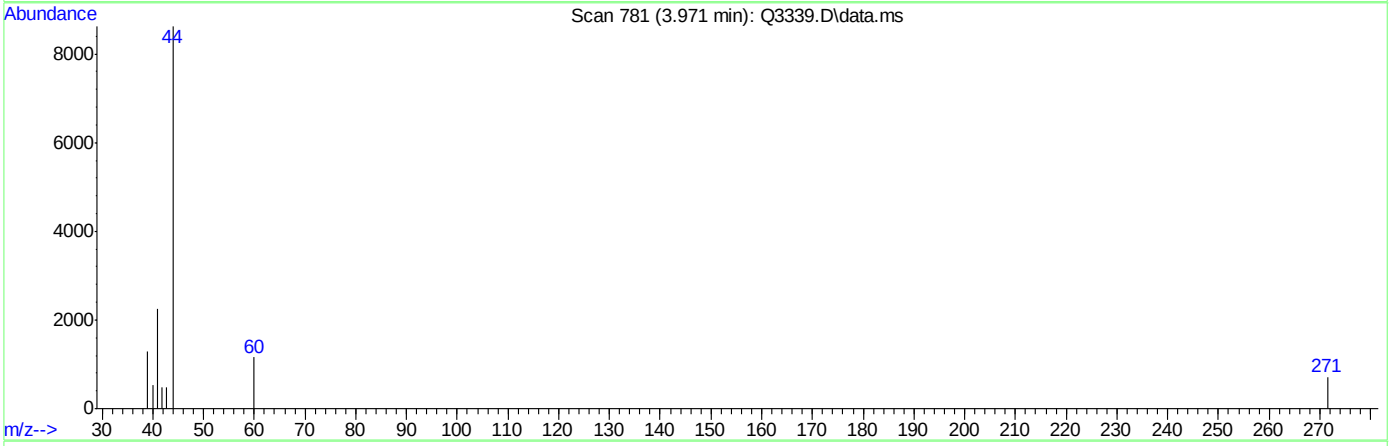
Ion	Exp%	Act%
85.00	100	100
87.00	32.80	21.74
50.00	11.60	4.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(3) PROPYLENE (m)

3.971min (+0.002) 0.18PPBV

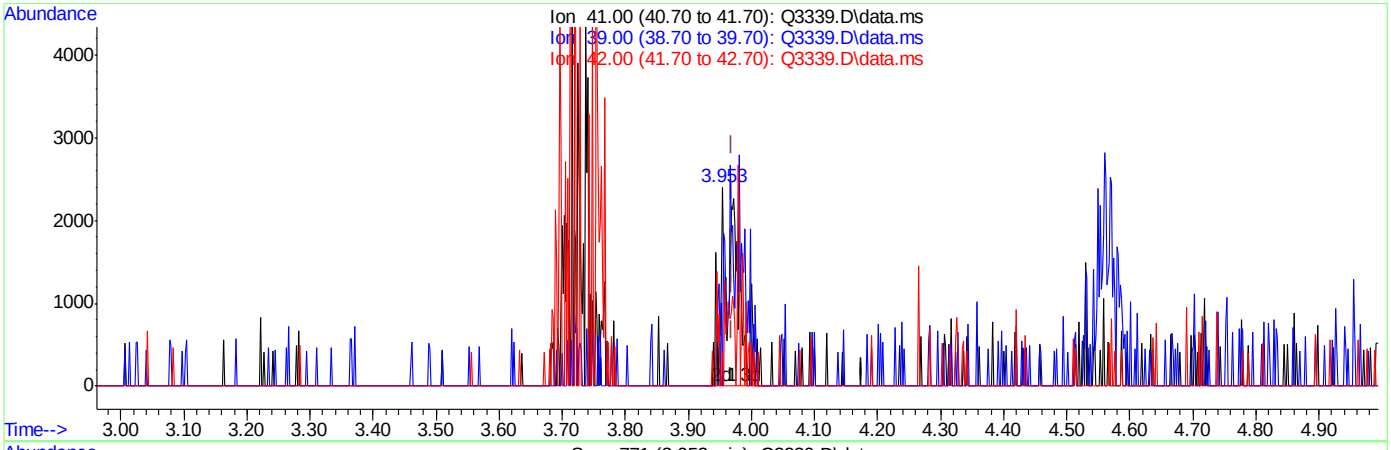
response 2195

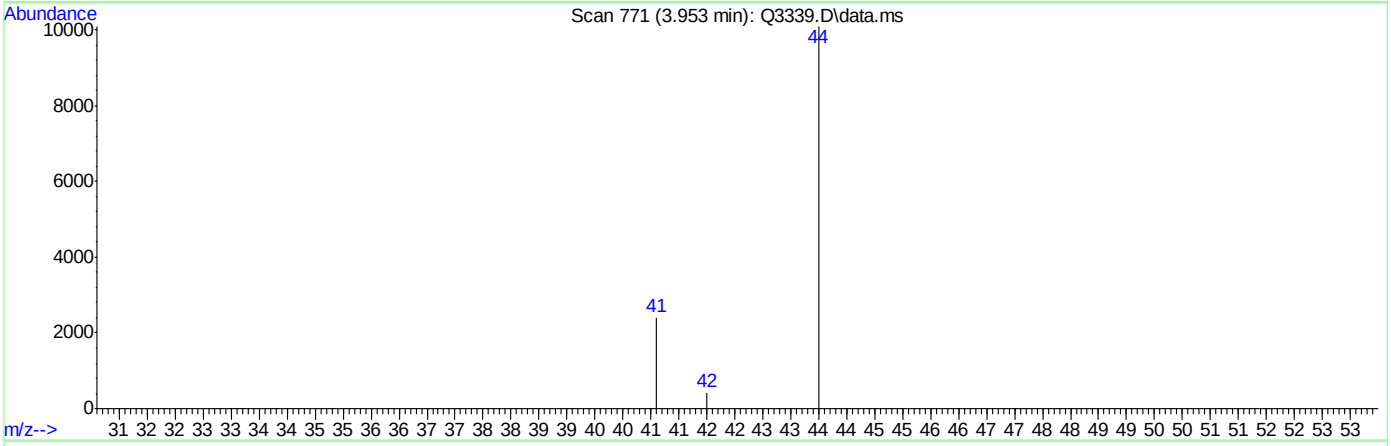
Ion	Exp%	Act%
41.00	100	100
39.00	77.40	57.23#
42.00	67.90	43.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(3) PROPYLENE (m)

3.953min (-0.016) 0.32PPBV m

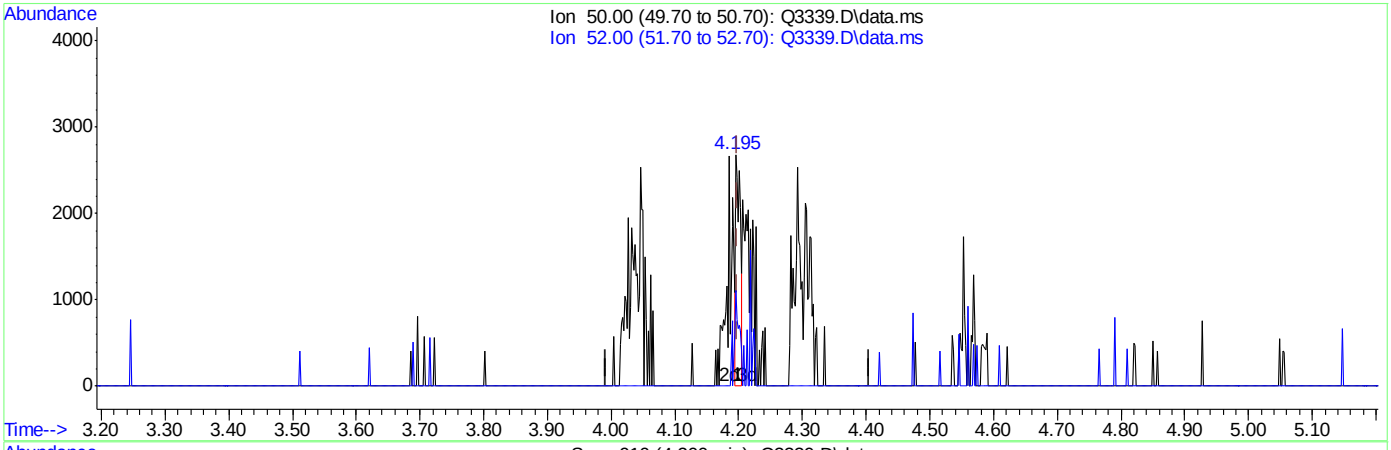
response 4043

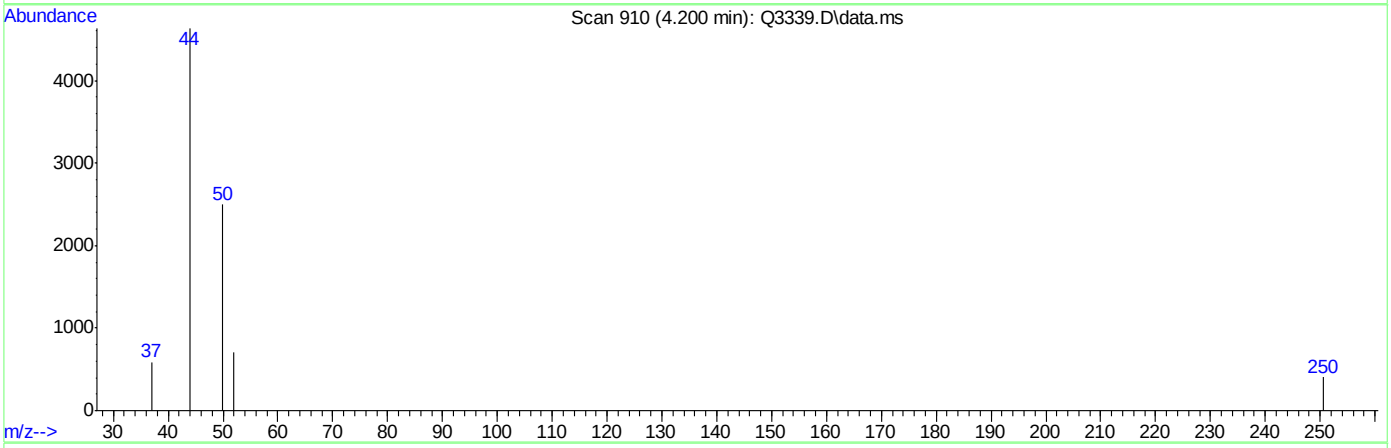
Ion	Exp%	Act%
41.00	100	100
39.00	77.40	0.00#
42.00	67.90	17.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(5) CHLOROMETHANE (m)

4.200min (+0.001) 0.10PPBV

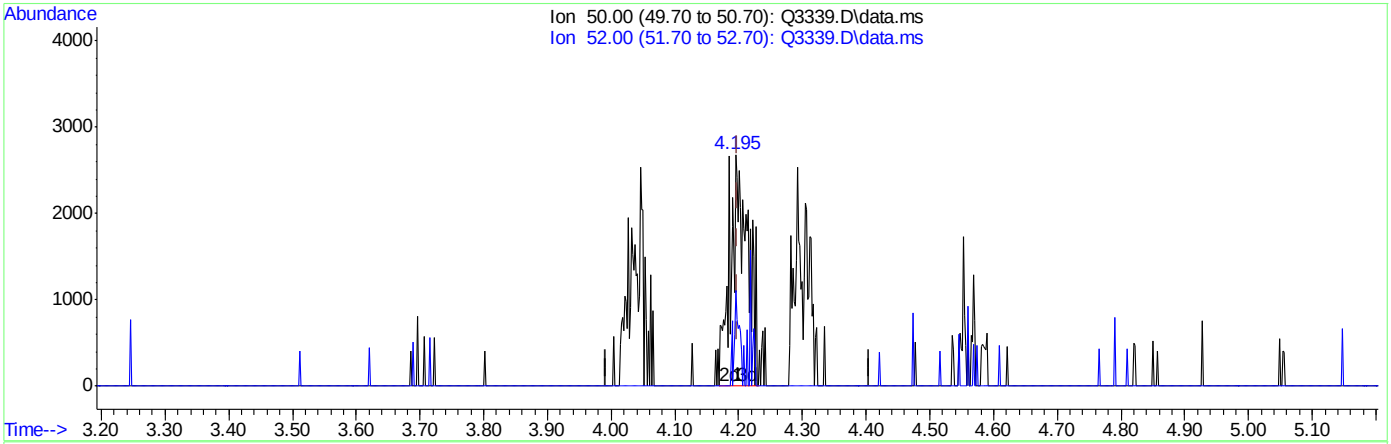
response 1371

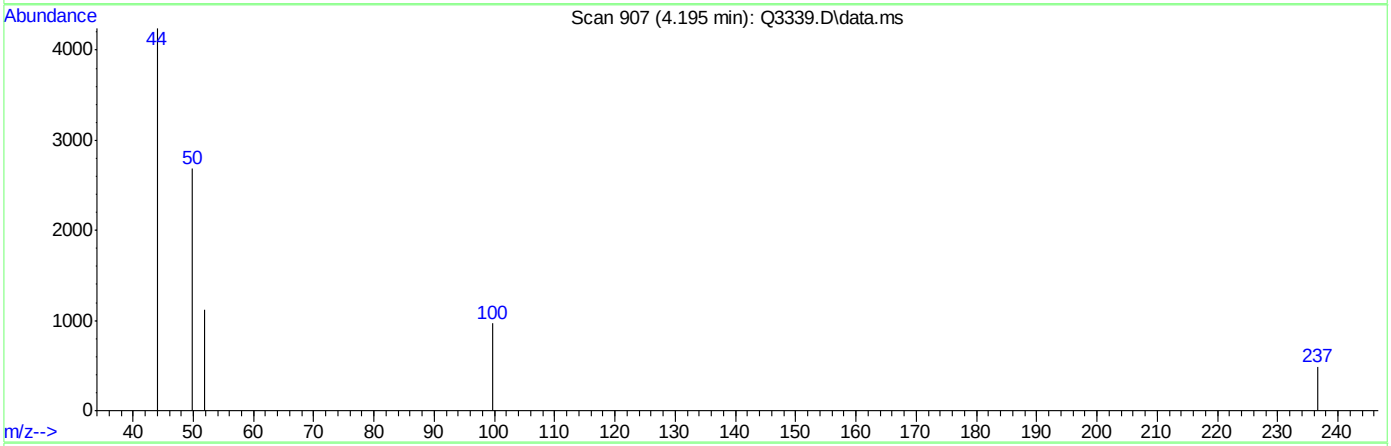
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	14.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(5) CHLOROMETHANE (m)

4.195min (-0.004) 0.36PPBV m

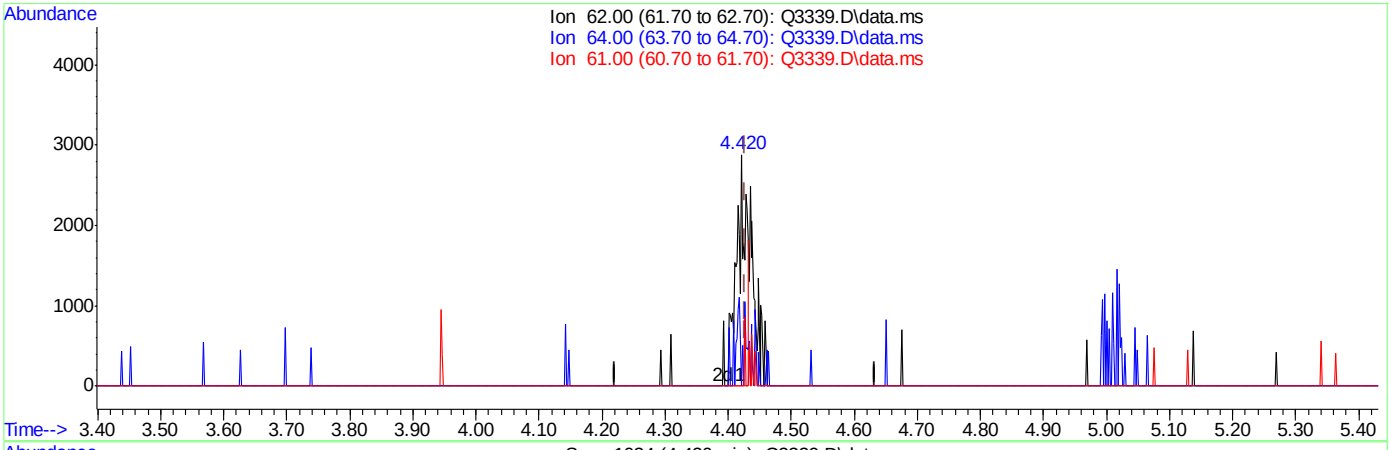
response 5039

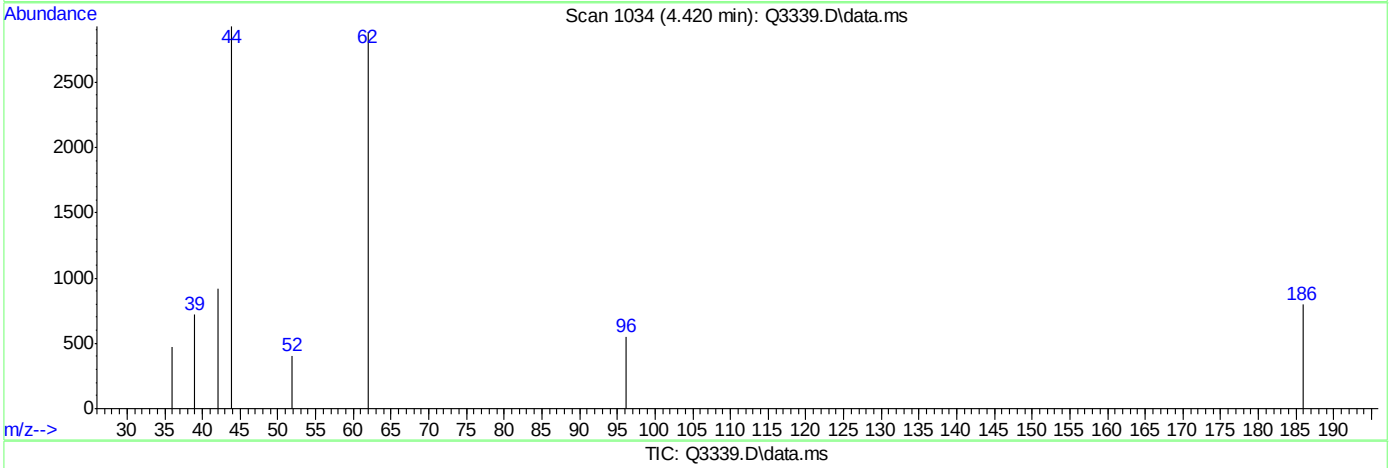
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	41.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(6) VINYL CHLORIDE (m)

4.420min (-0.007) 0.20PPBV

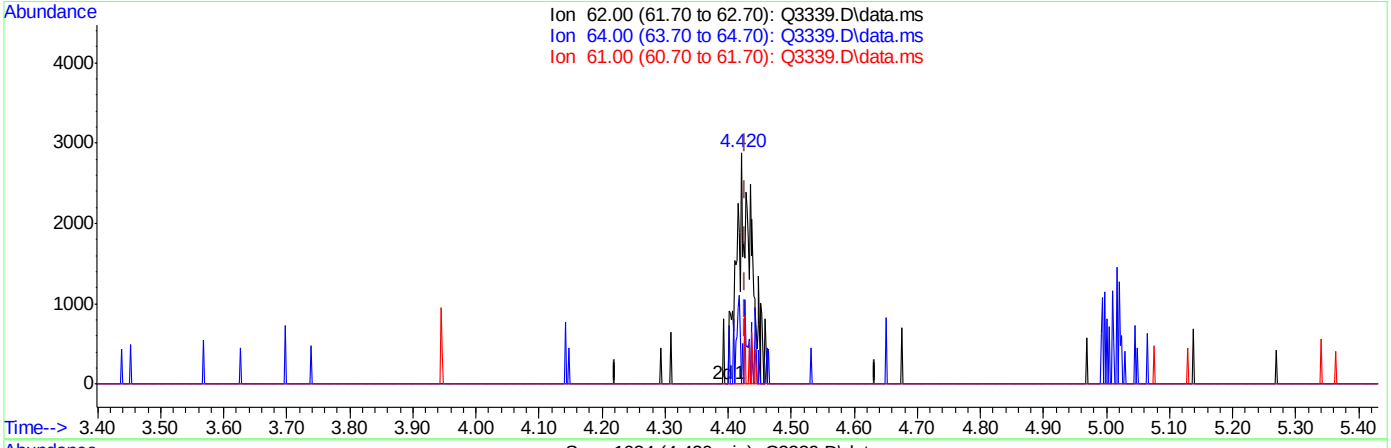
response 3003

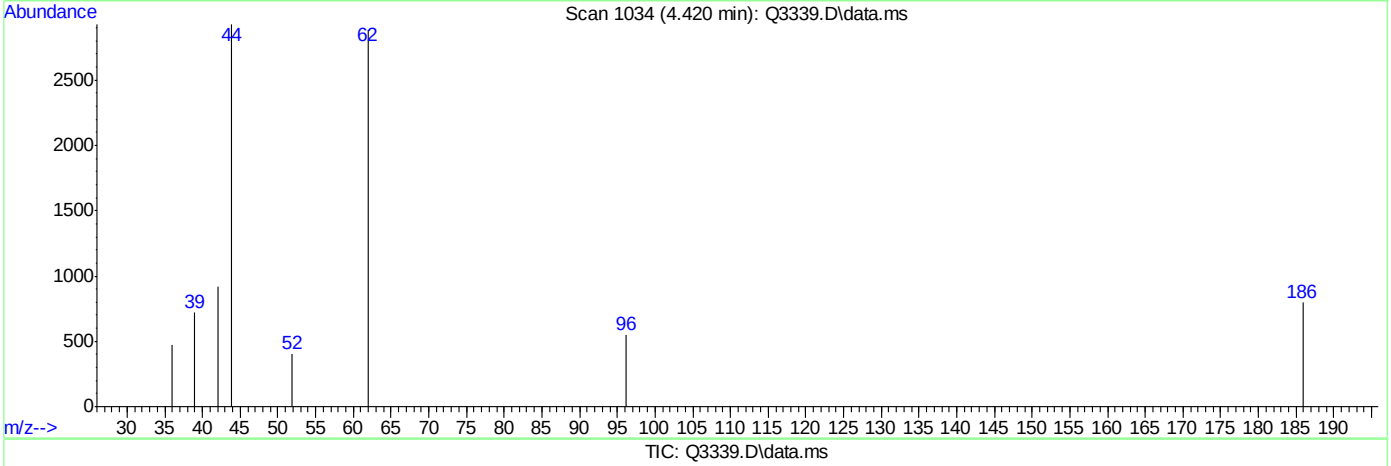
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	18.05
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(6) VINYL CHLORIDE (m)

4.420min (-0.007) 0.30PPBV m

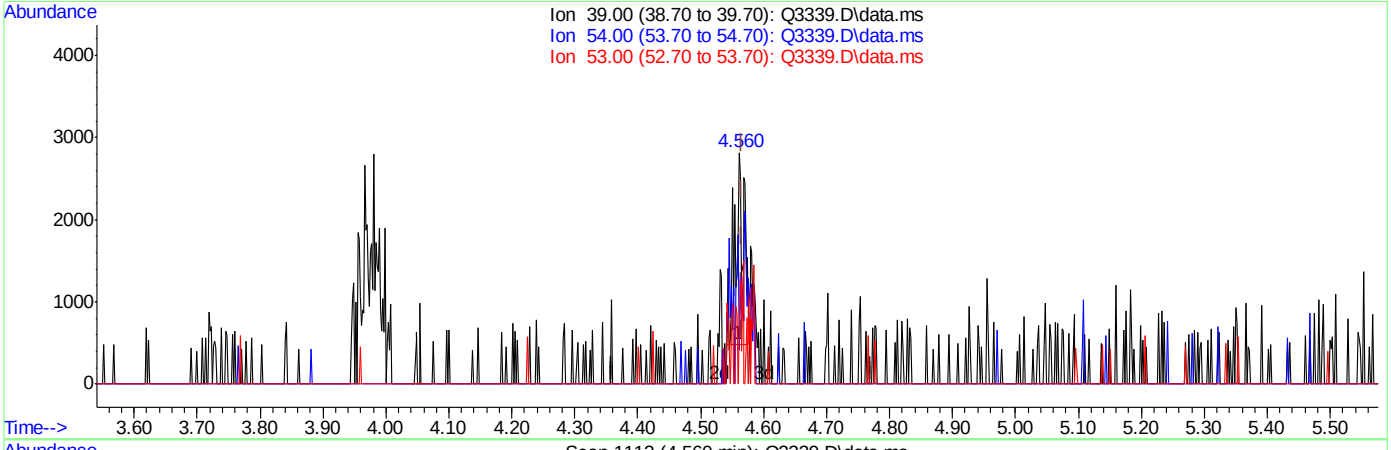
response 4597

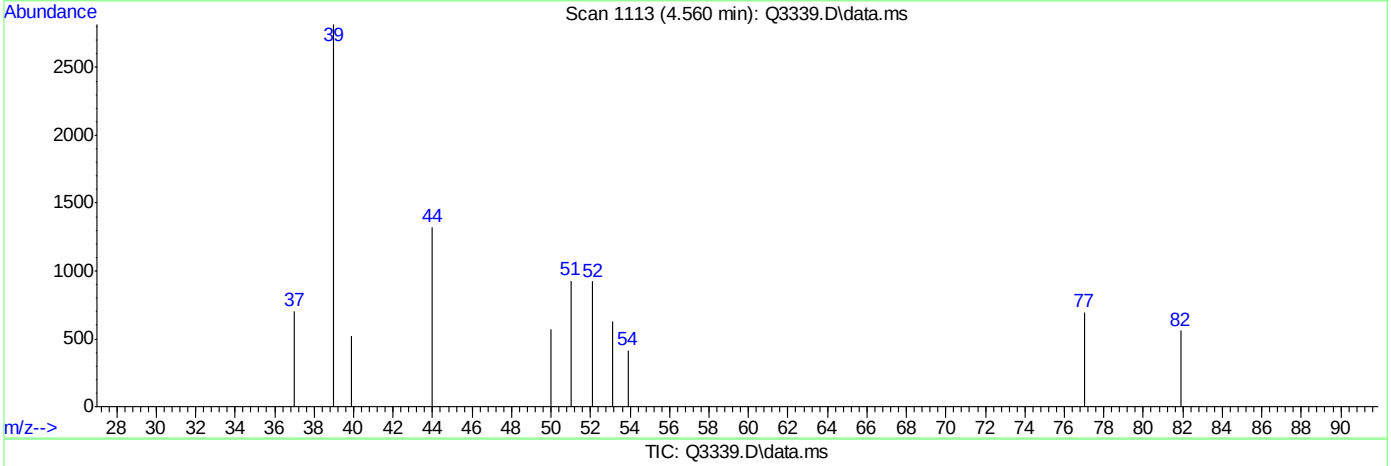
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	11.79#
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(7) 1,3-BUTADIENE (m)

4.560min (-0.005) 0.15PPBV

response 2307

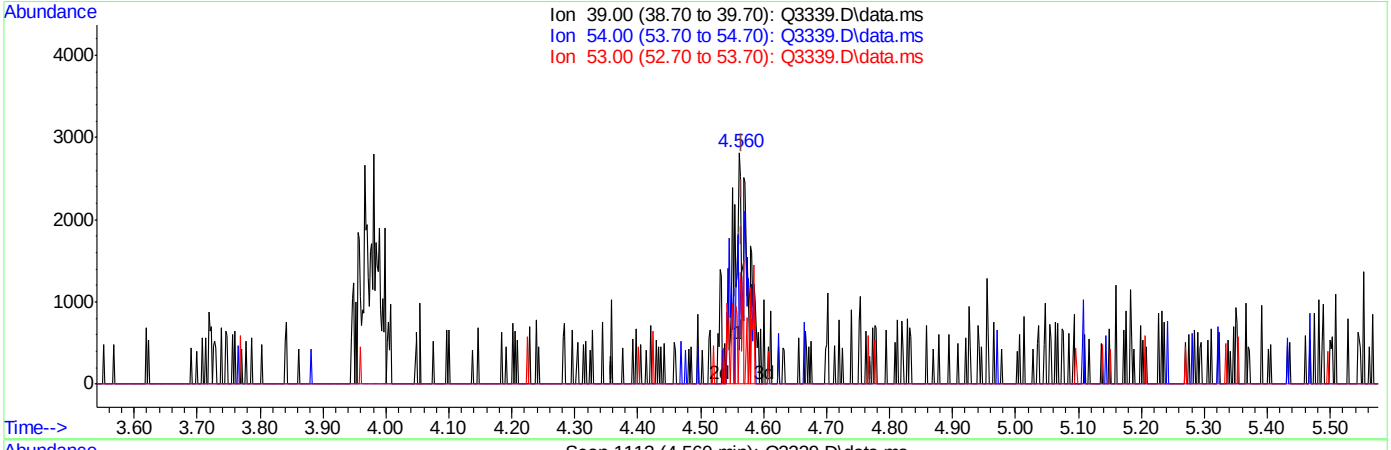
Ion	Exp%	Act%
39.00	100	100
54.00	94.00	0.00#
53.00	63.80	31.43#
0.00	0.00	0.00

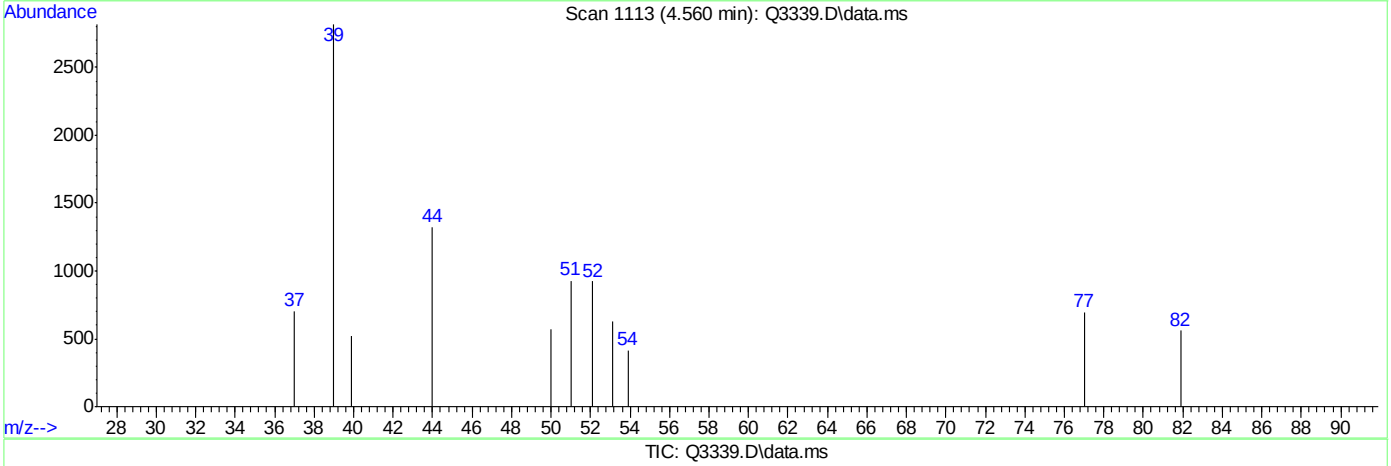
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(7) 1,3-BUTADIENE (m)

4.560min (-0.005) 0.31PPBV m

response 4811

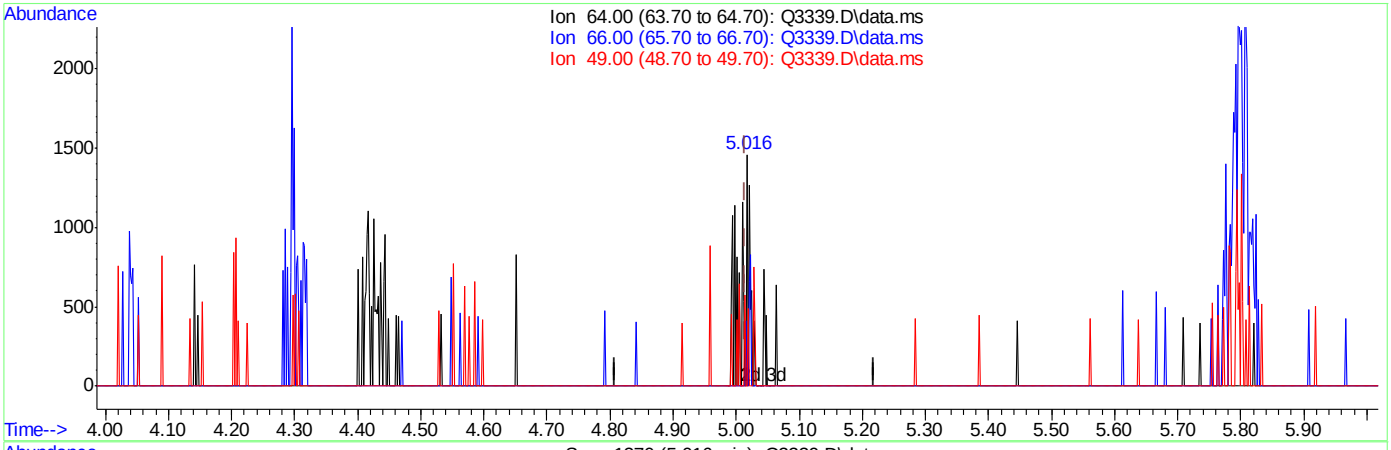
Ion	Exp%	Act%
39.00	100	100
54.00	94.00	0.00#
53.00	63.80	15.07#
0.00	0.00	0.00

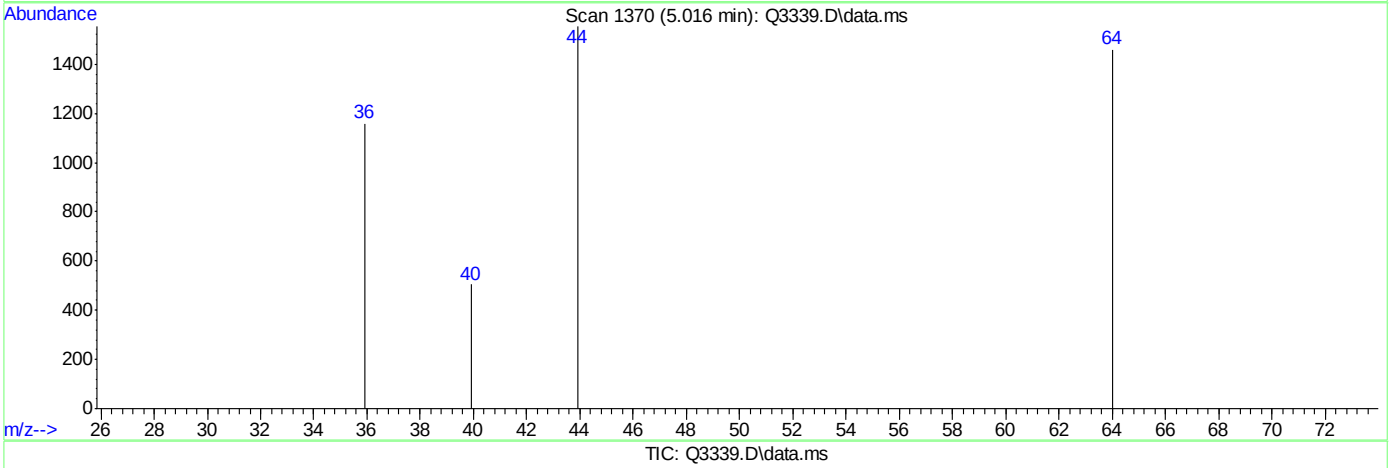
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.002) 0.14PPBV

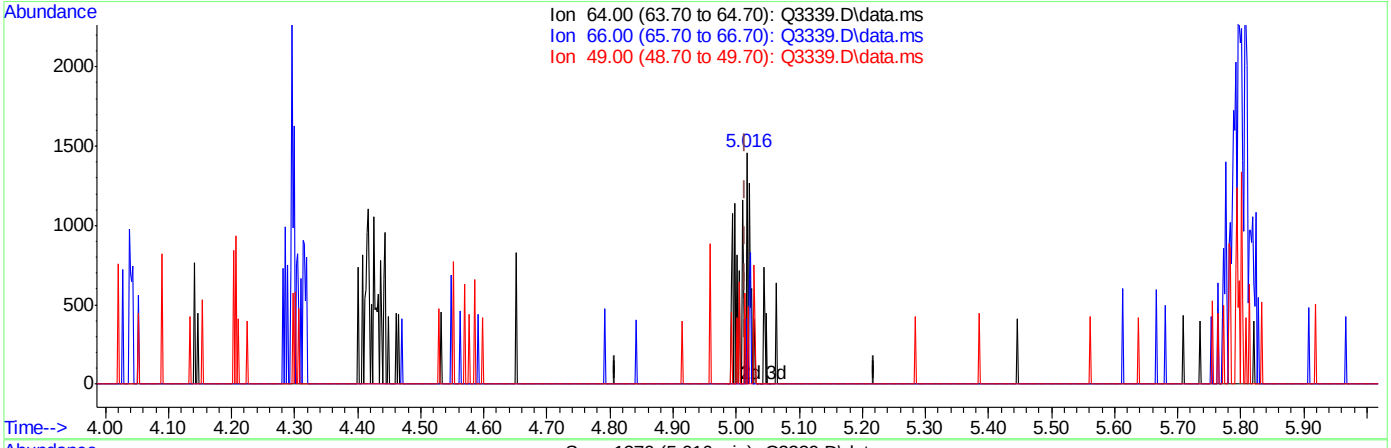
response 802

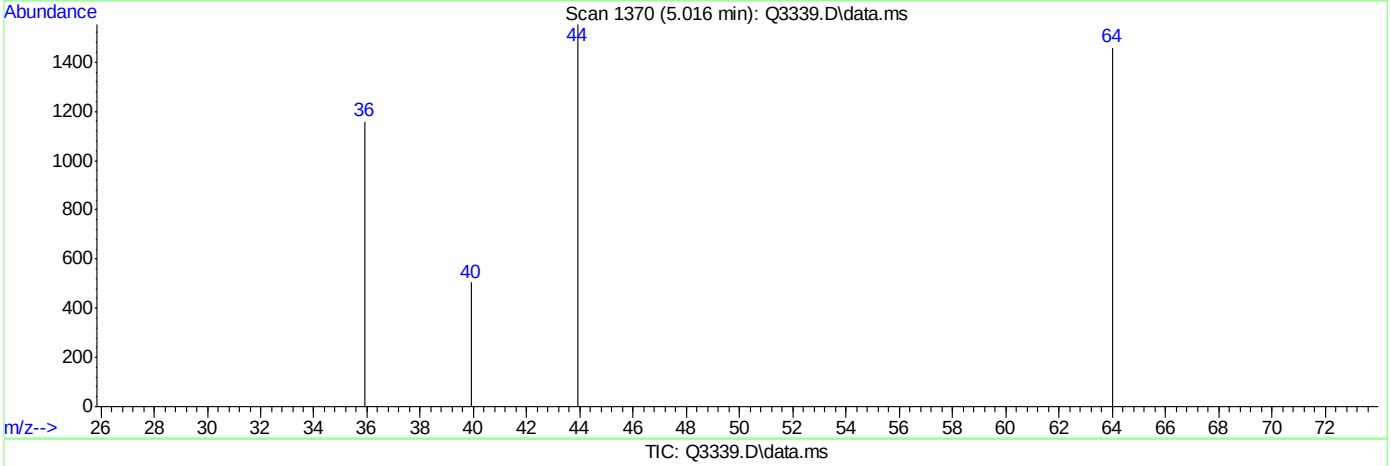
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	6.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.002) 0.14PPBV

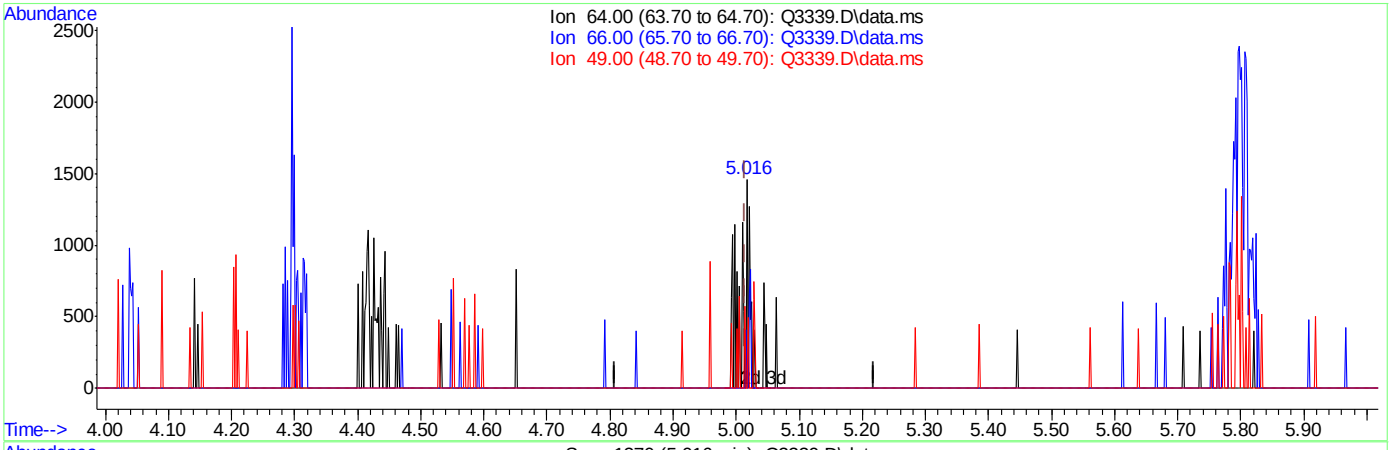
response 802

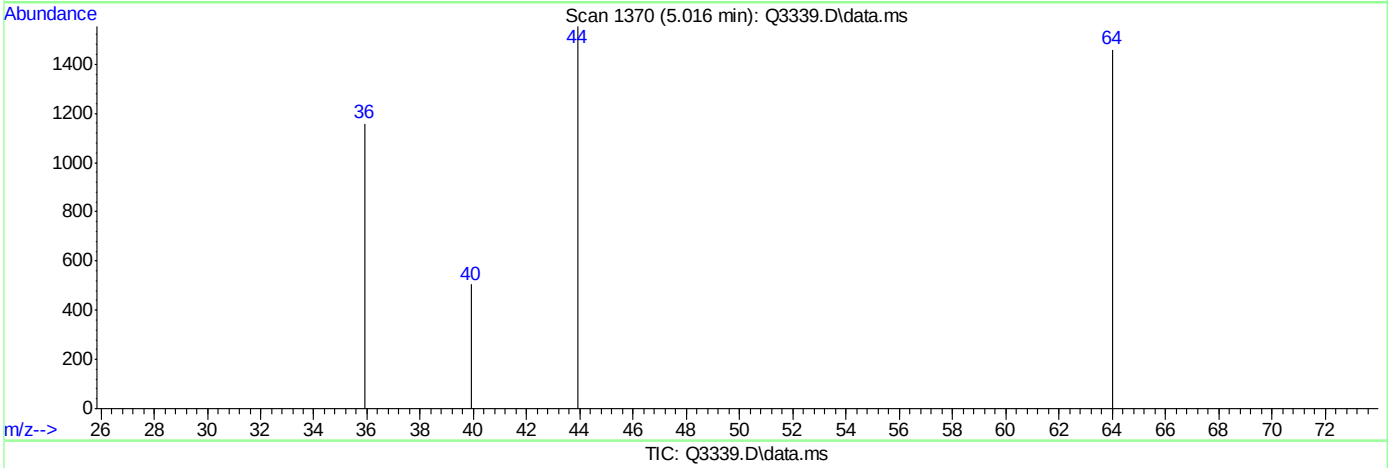
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	6.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.002) 0.19PPBV m

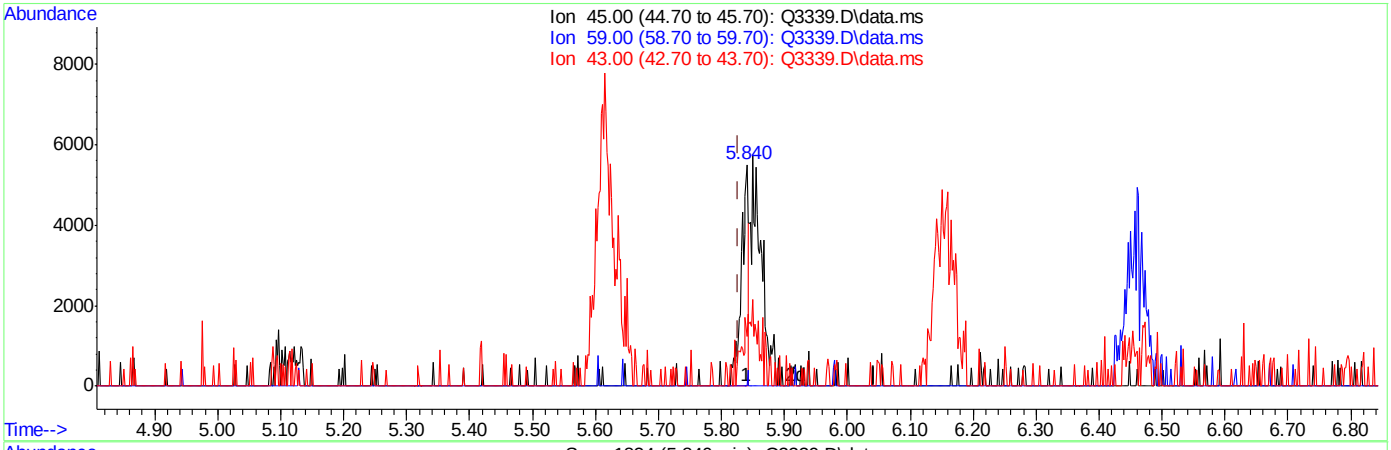
response 1097

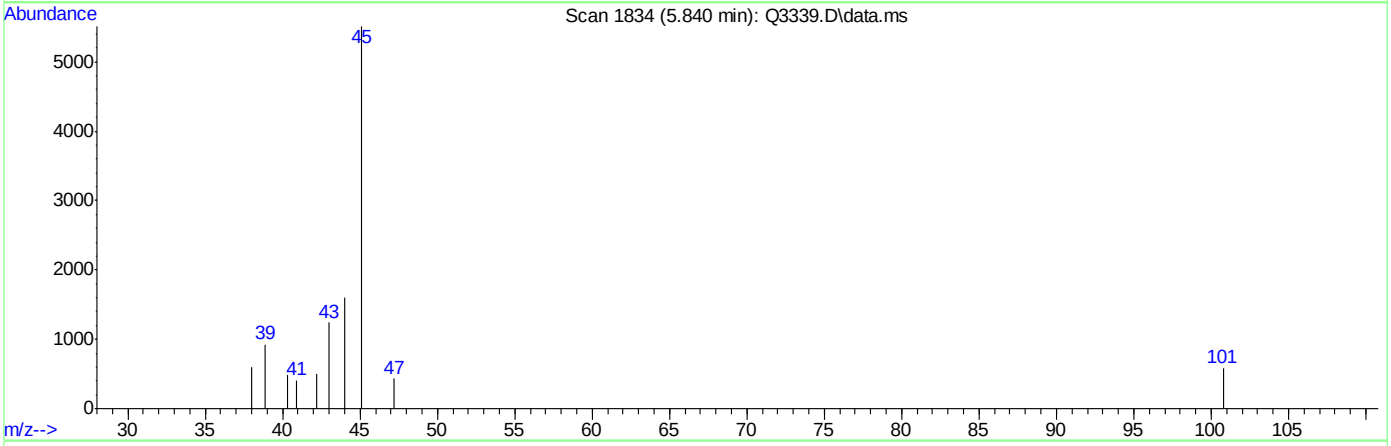
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	4.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.840min (+0.013) 0.16PPBV

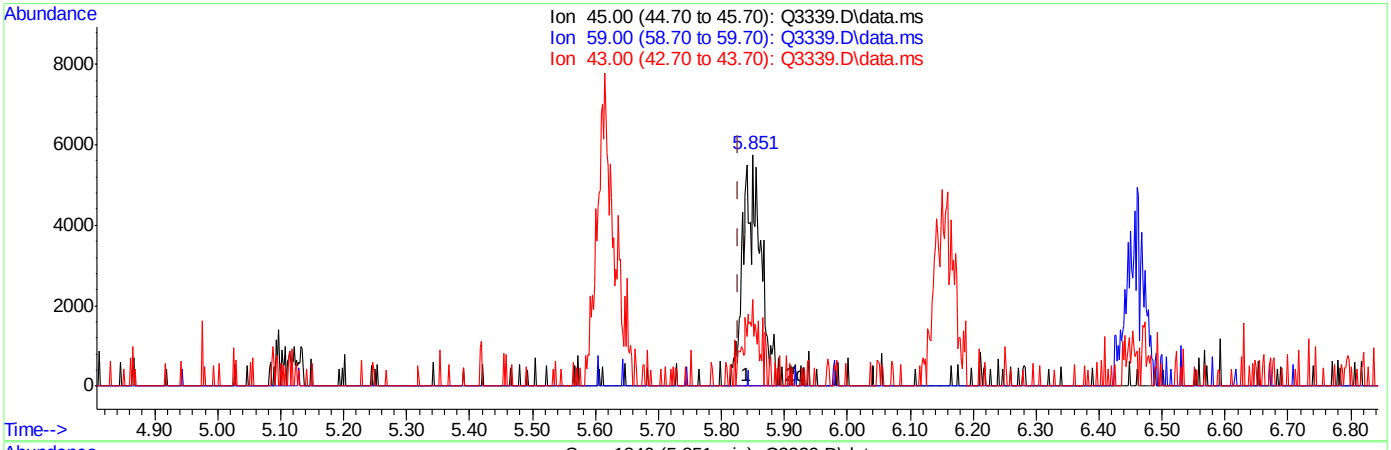
response 4413

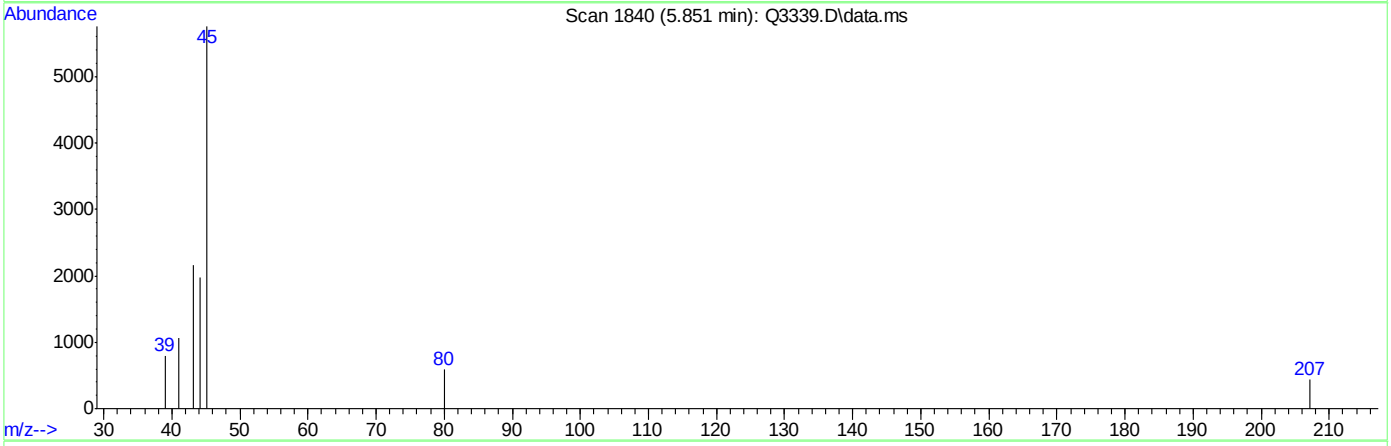
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	21.00	22.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.851min (+0.024) 0.42PPBV m

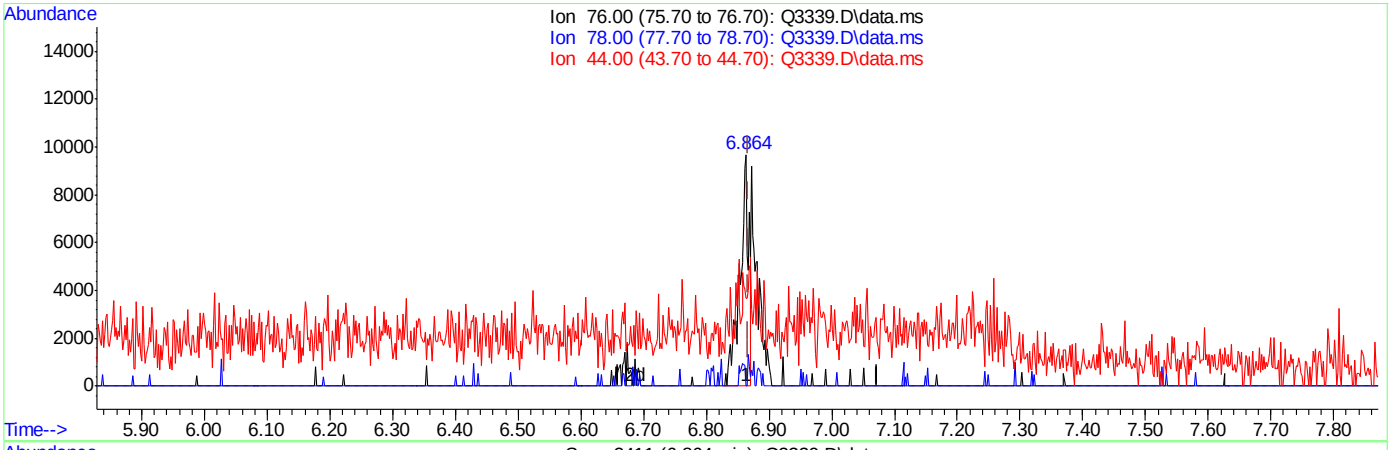
response 11292

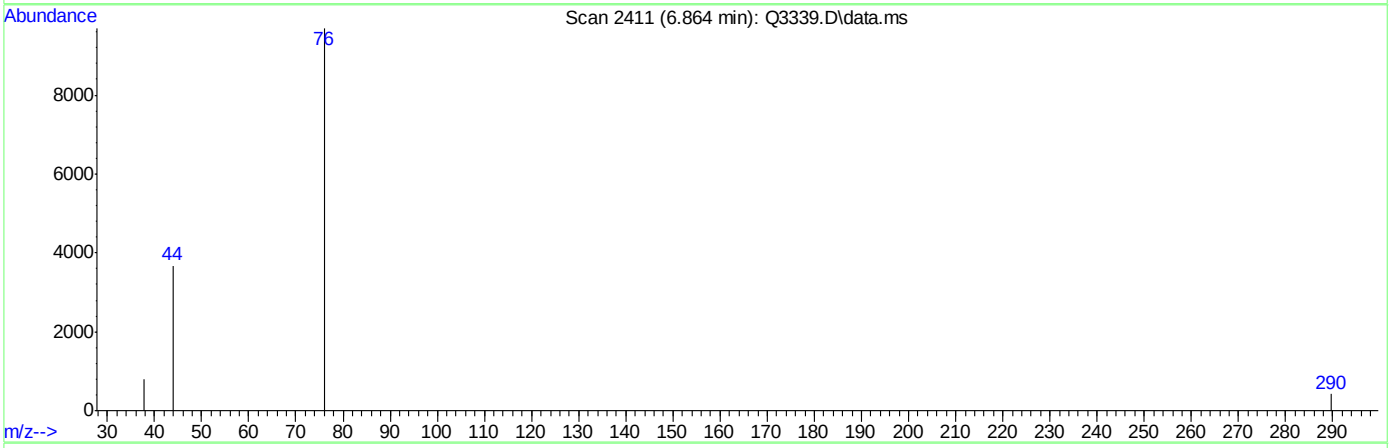
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	21.00	37.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(15) CARBON DISULFIDE (m)

6.864min (-0.003) 0.24PPBV

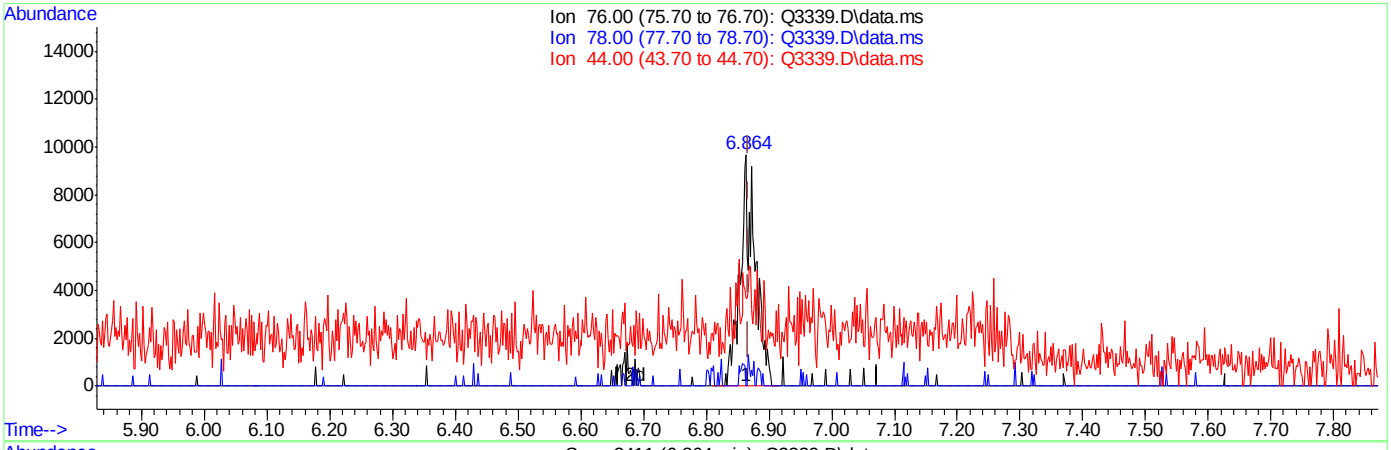
response 10072

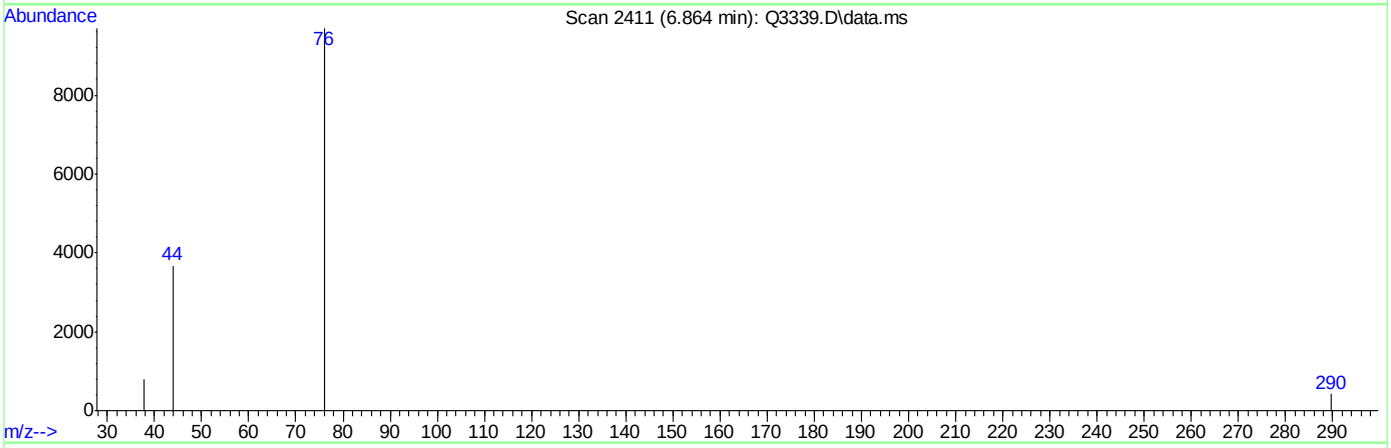
Ion	Exp%	Act%
76.00	100	100
78.00	9.20	4.97
44.00	13.80	15.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(15) CARBON DISULFIDE (m)

6.864min (-0.003) 0.39PPBV m

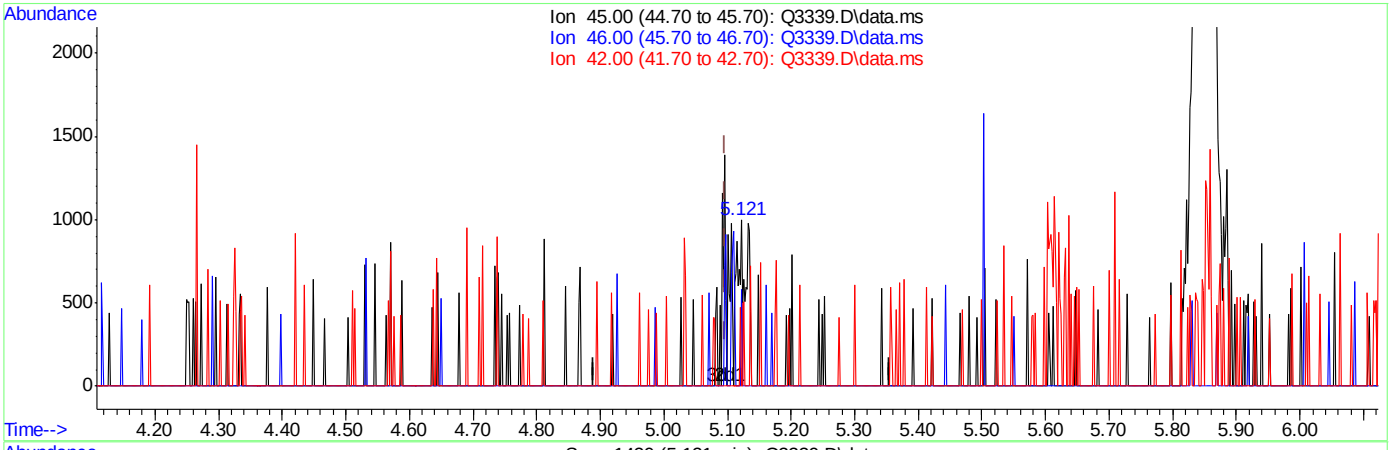
response 16496

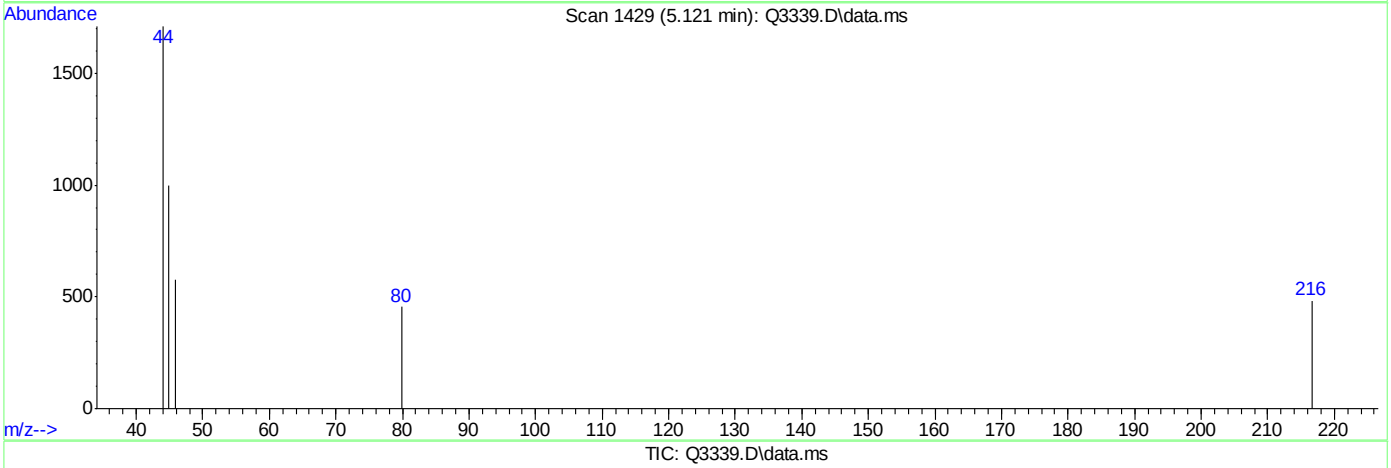
Ion	Exp%	Act%
76.00	100	100
78.00	9.20	3.04
44.00	13.80	9.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(16) ETHANOL (m)

5.121min (+0.024) 0.12PPBV

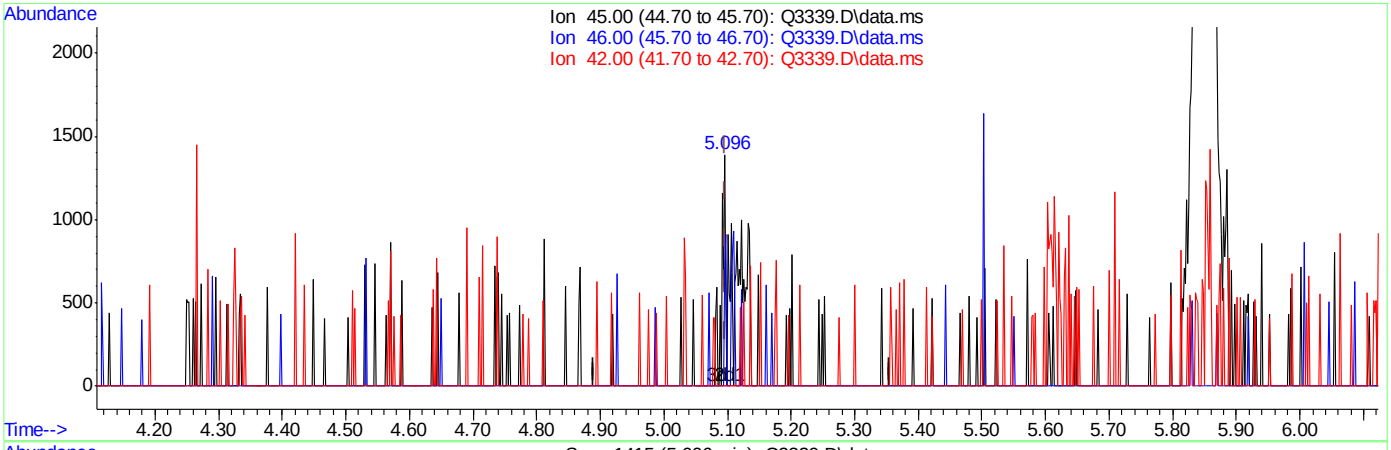
response 595

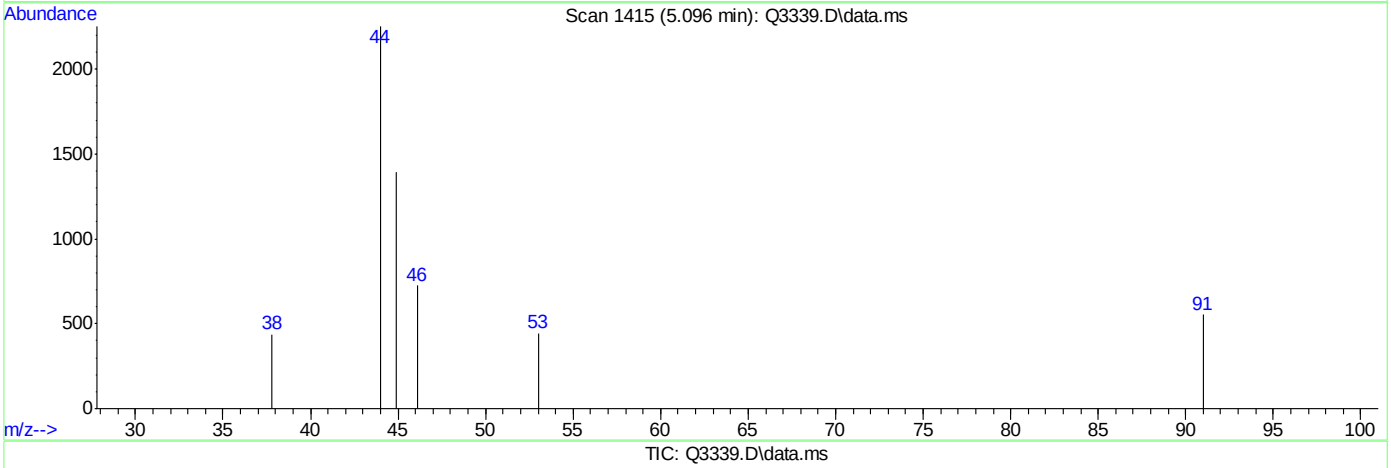
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	37.31
42.00	4.60	17.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(16) ETHANOL (m)

5.096min (-0.001) 0.40PPBV m

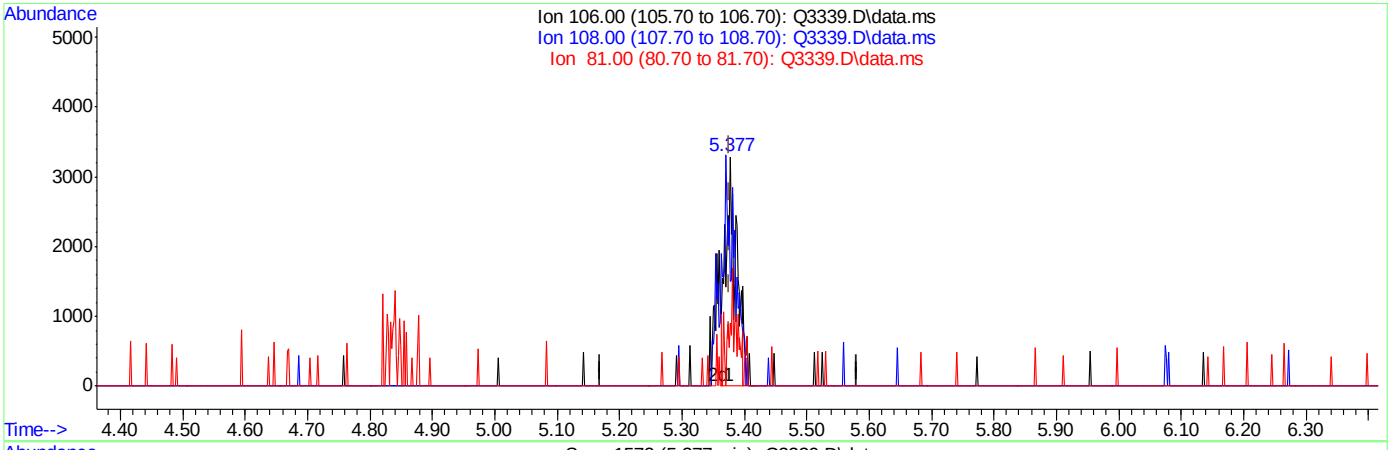
response 1962

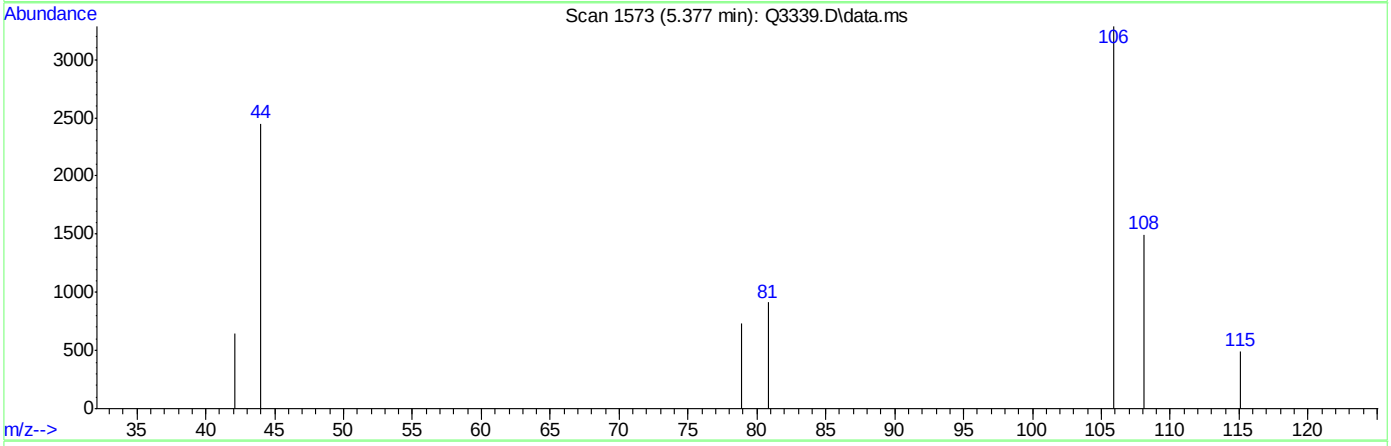
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	11.31
42.00	4.60	5.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(17) BROMOETHENE (m)

5.377min (+0.001) 0.26PPBV

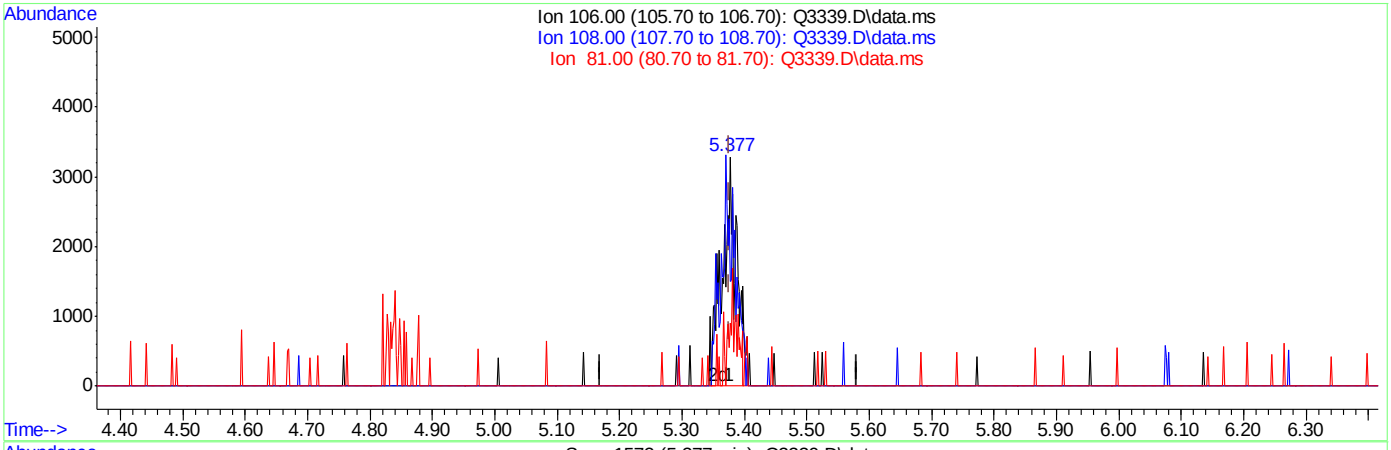
response 4173

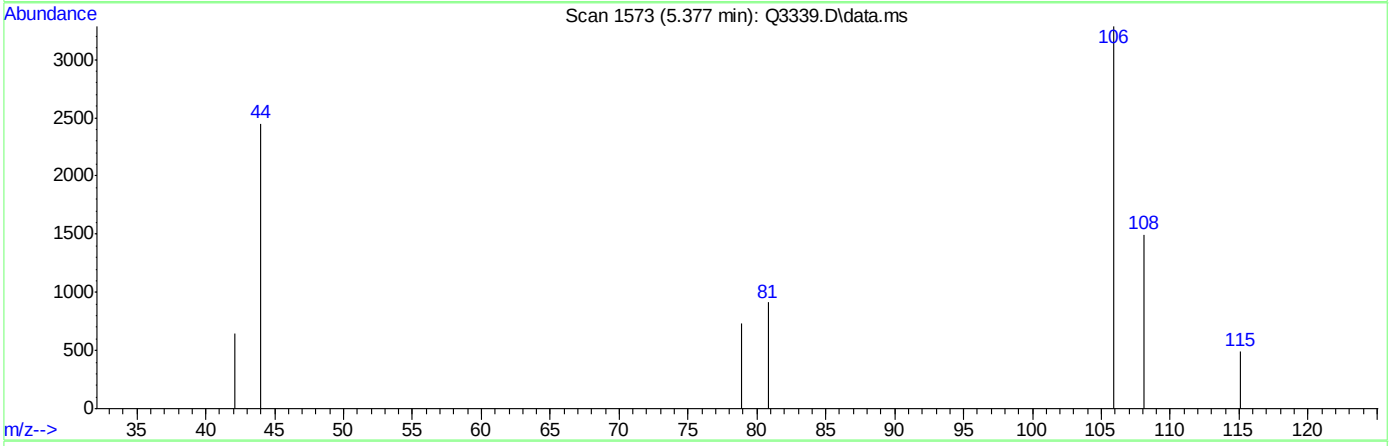
Ion	Exp%	Act%
106.00	100	100
108.00	95.00	48.29#
81.00	17.00	29.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(17) BROMOETHENE (m)

5.377min (+0.001) 0.33PPBV m

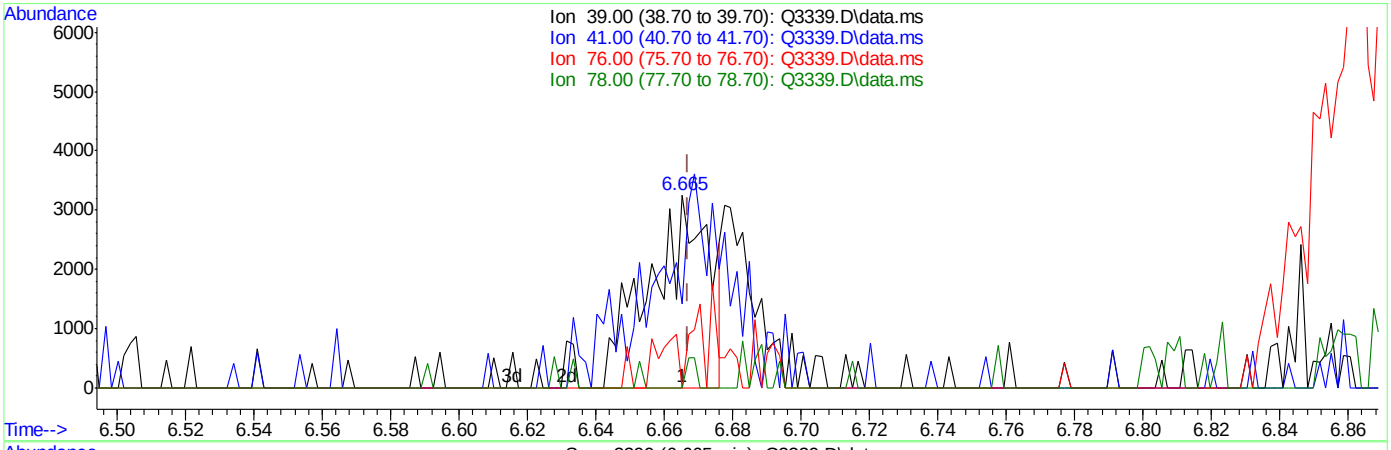
response 5294

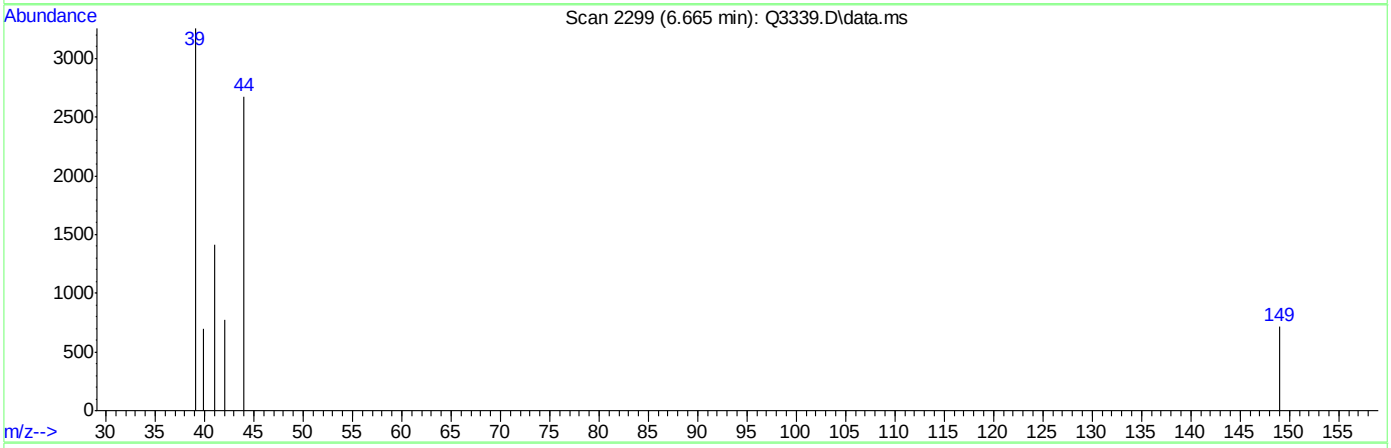
Ion	Exp%	Act%
106.00	100	100
108.00	95.00	38.06#
81.00	17.00	23.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.665min (-0.002) 0.23PPBV

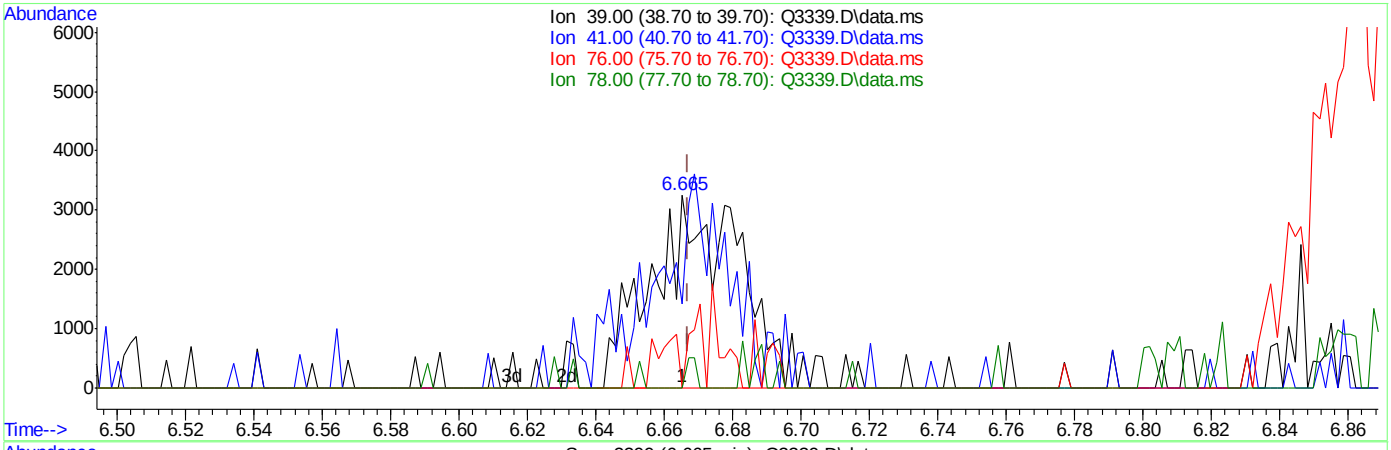
response 3895

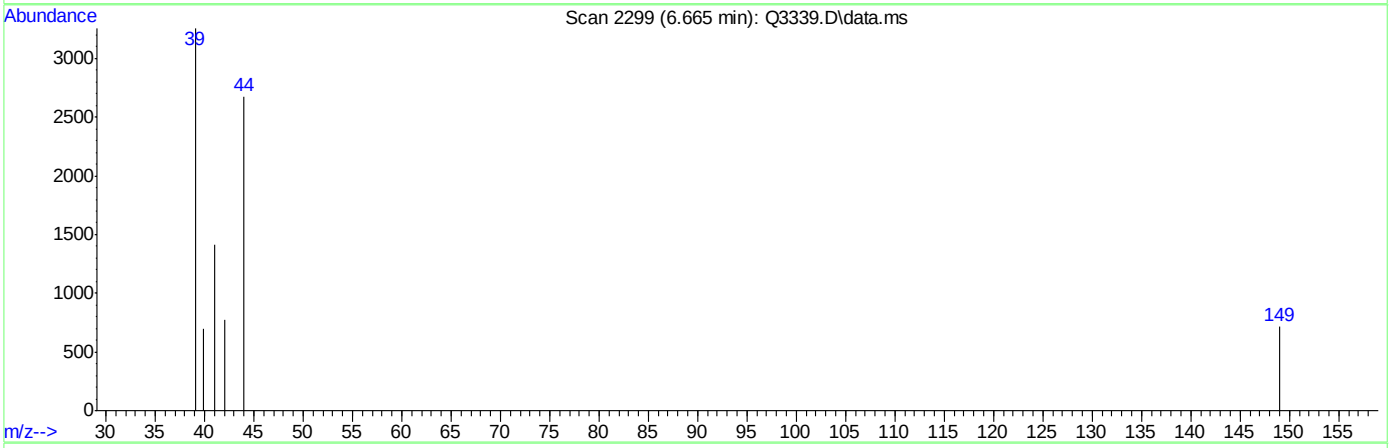
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	109.60
76.00	46.50	10.09#
78.00	15.30	2.80

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.665min (-0.002) 0.33PPBV m

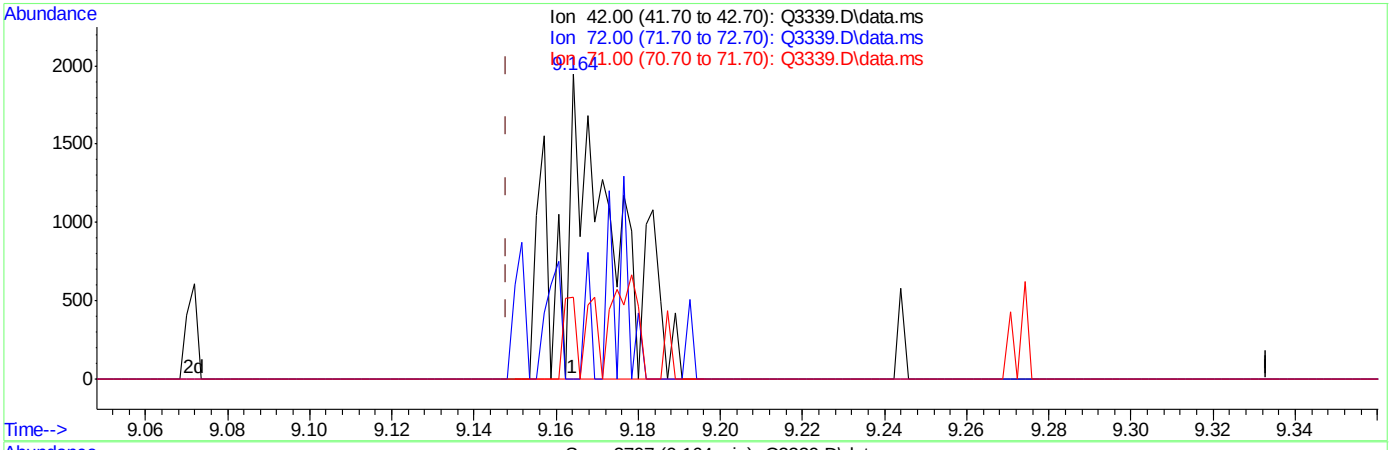
response 5778

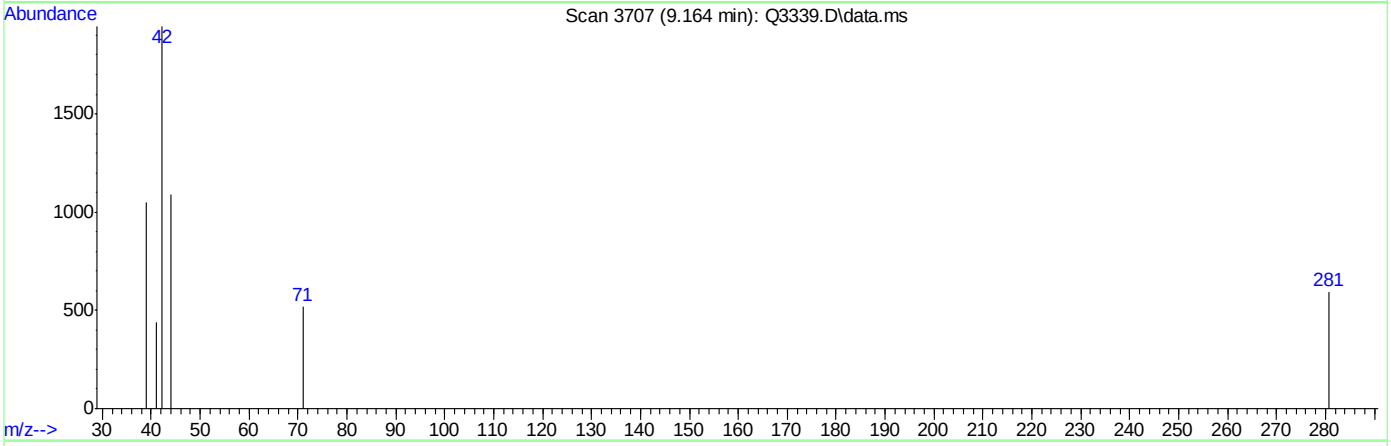
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	73.88#
76.00	46.50	6.80#
78.00	15.30	1.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(24) TETRAHYDROFURAN (m)

9.164min (+0.016) 0.15PPBV

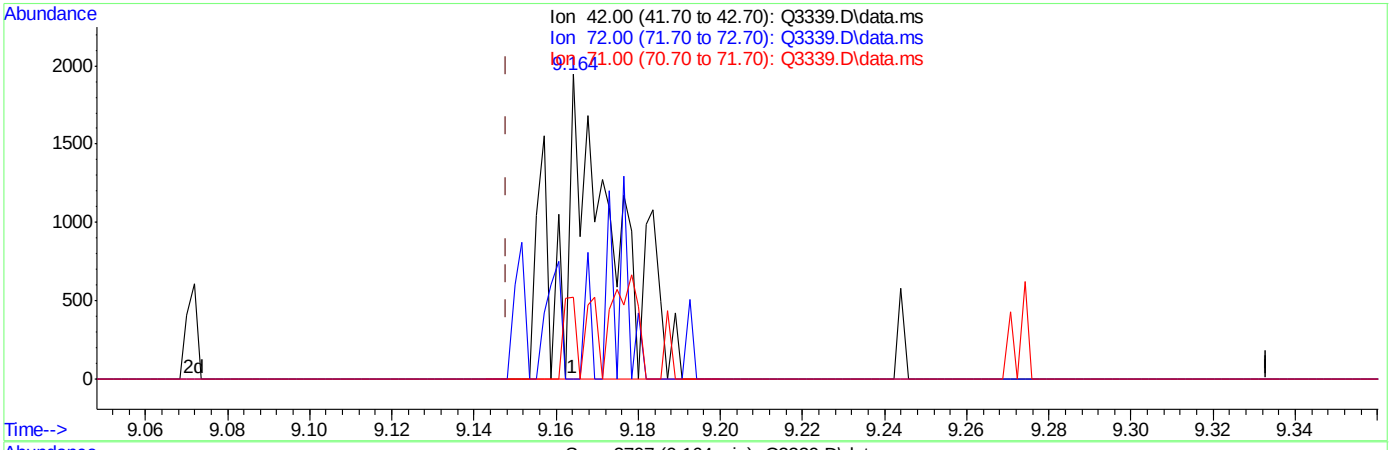
response 1836

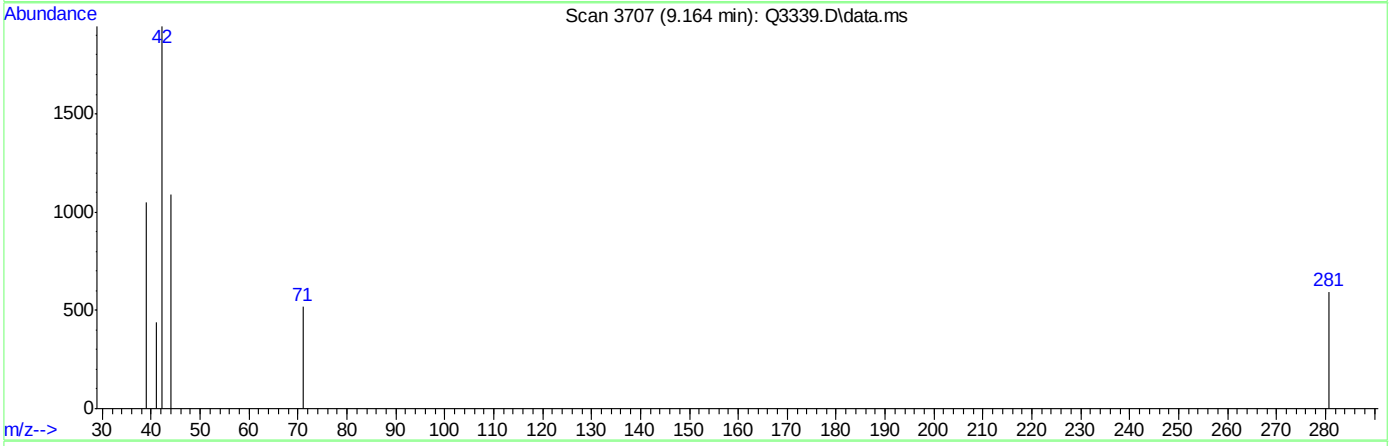
Ion	Exp%	Act%
42.00	100	100
72.00	42.70	8.55#
71.00	41.90	11.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(24) TETRAHYDROFURAN (m)

9.164min (+0.016) 0.15PPBV m

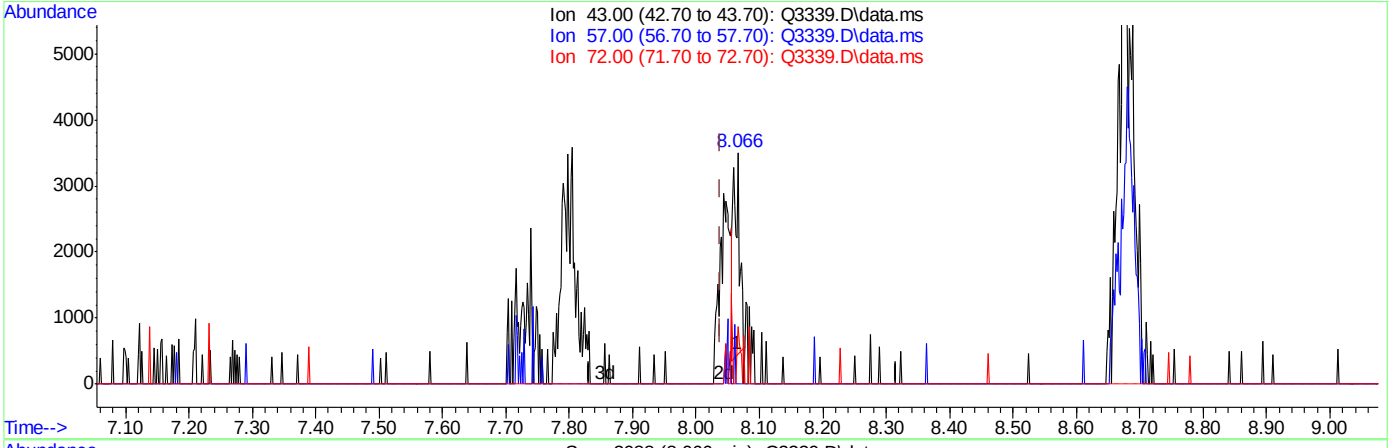
response 1835

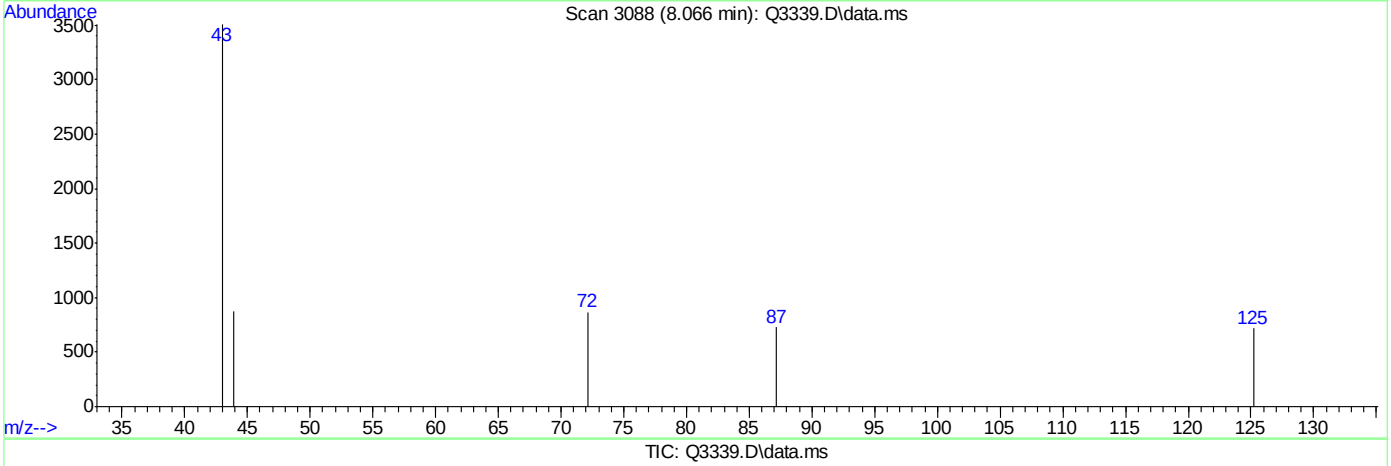
Ion	Exp%	Act%
42.00	100	100
72.00	42.70	8.56#
71.00	41.90	11.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.066min (+0.027) 0.07PPBV

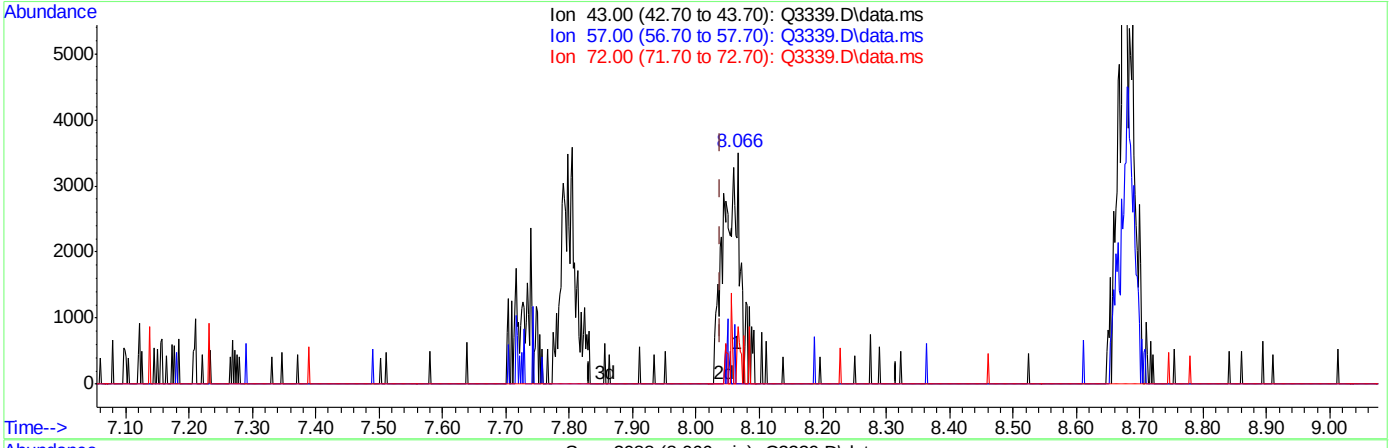
response 1884

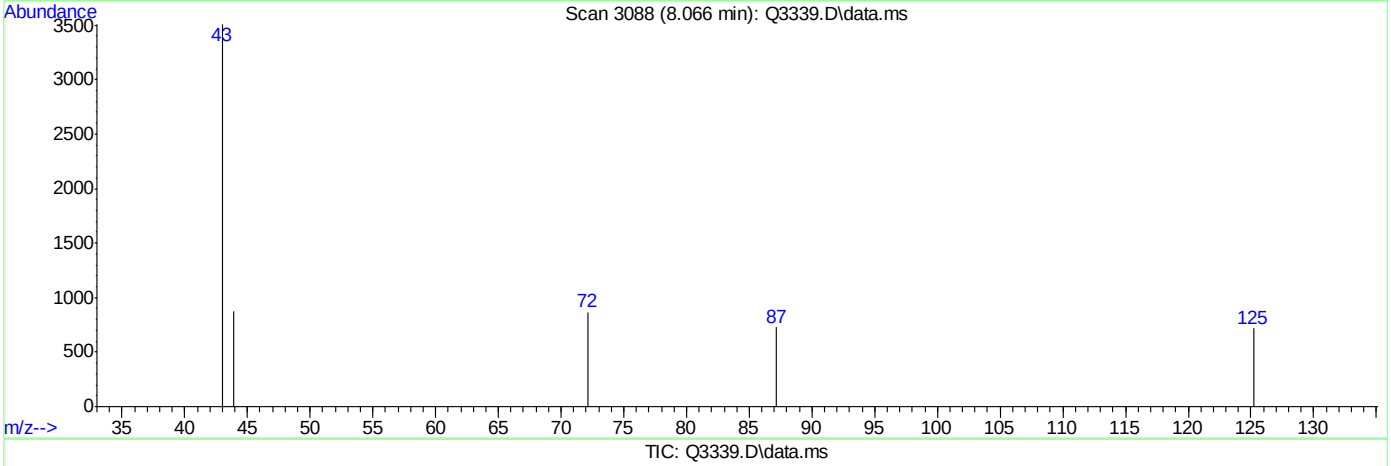
Ion	Exp%	Act%
43.00	100	100
57.00	6.80	0.00
72.00	20.50	24.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.066min (+0.027) 0.24PPBV m

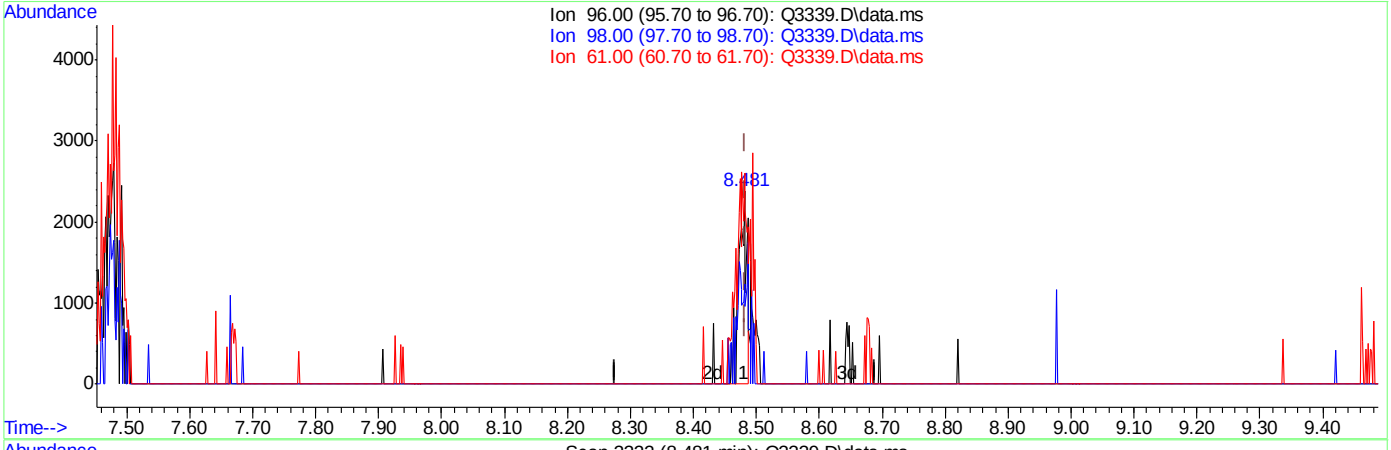
response 6170

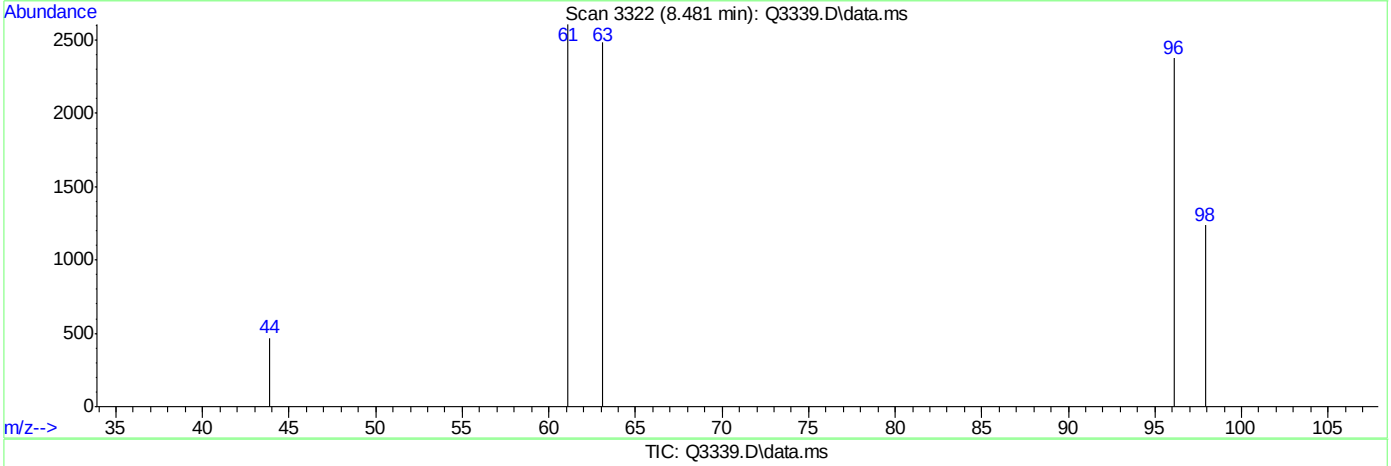
Ion	Exp%	Act%
43.00	100	100
57.00	6.80	0.00
72.00	20.50	24.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

8.481min (-0.002) 0.18PPBV

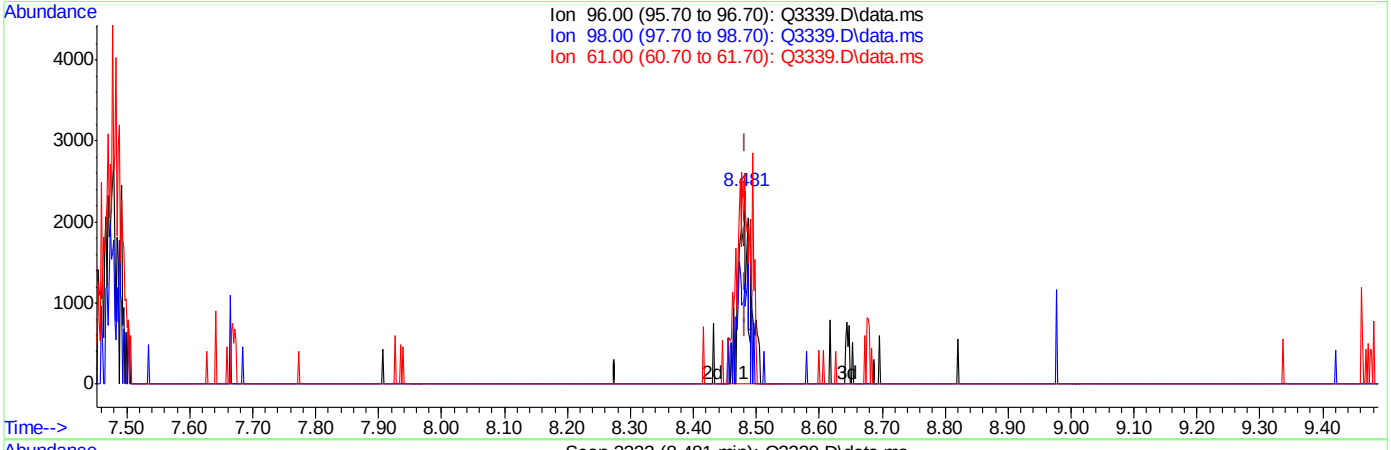
response 2212

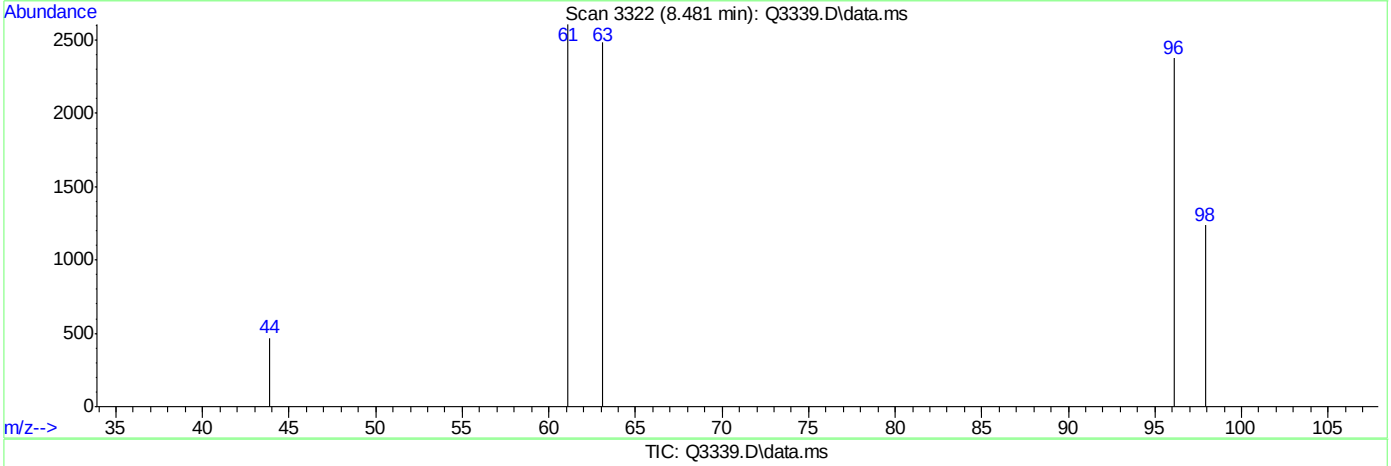
Ion	Exp%	Act%
96.00	100	100
98.00	64.10	0.00#
61.00	148.70	147.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

8.481min (-0.002) 0.24PPBV m

response 3033

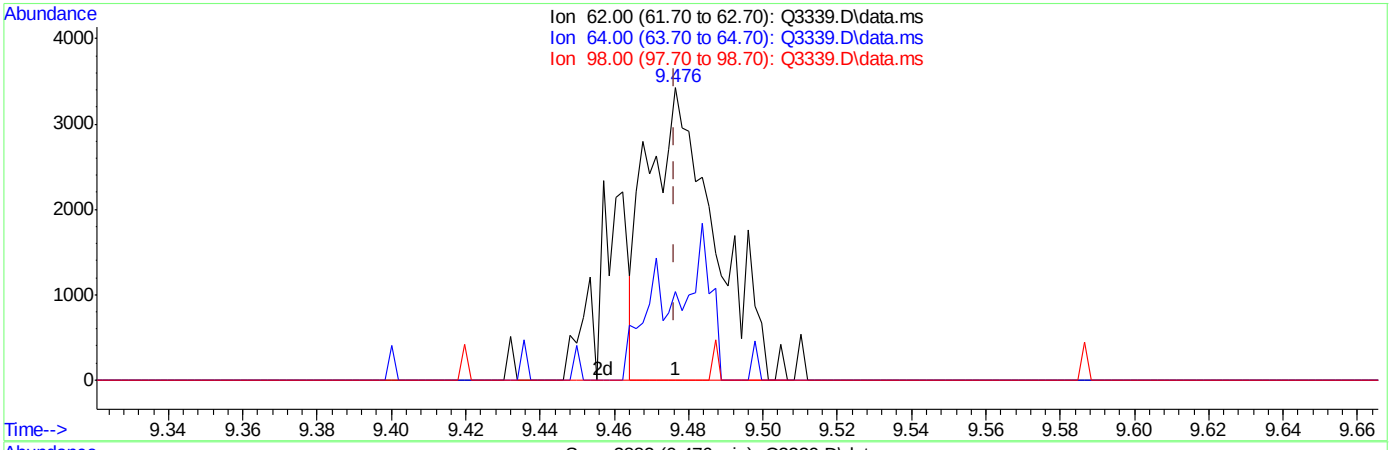
Ion	Exp%	Act%
96.00	100	100
98.00	64.10	0.00#
61.00	148.70	107.81#
0.00	0.00	0.00

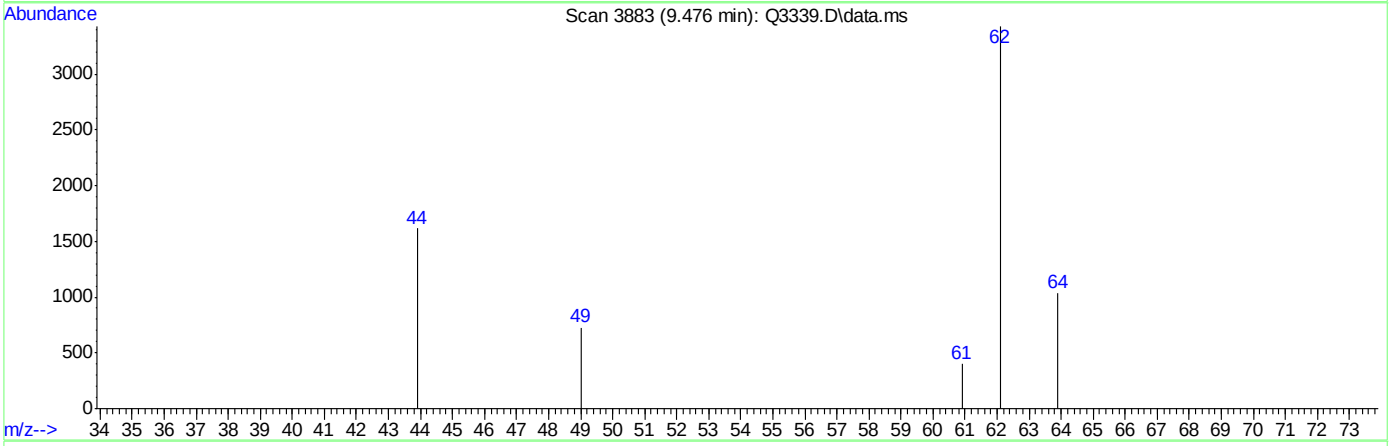
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.476min (+0.000) 0.20PPBV

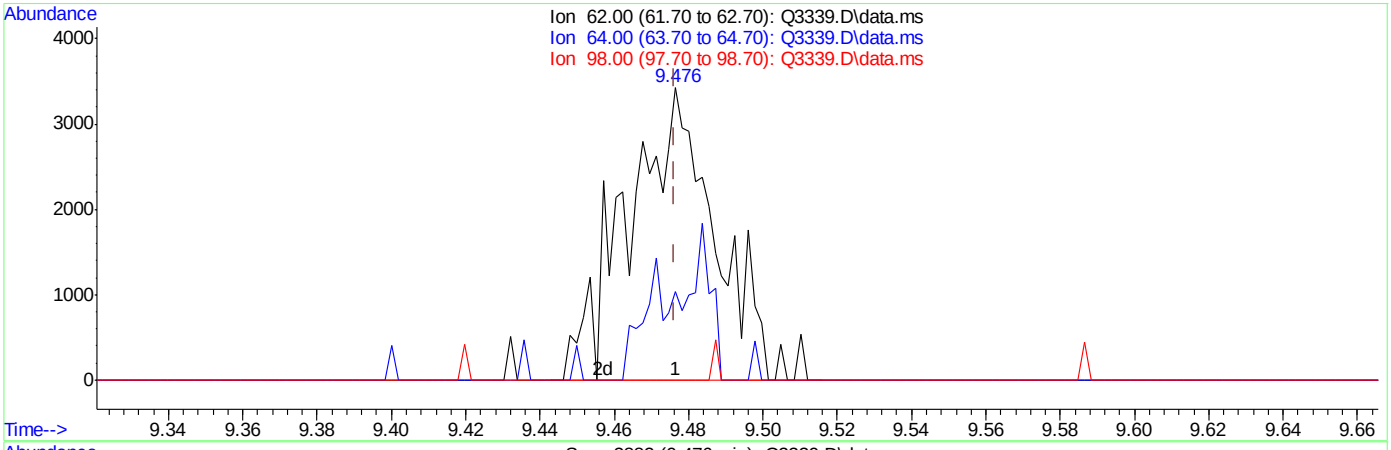
response 4329

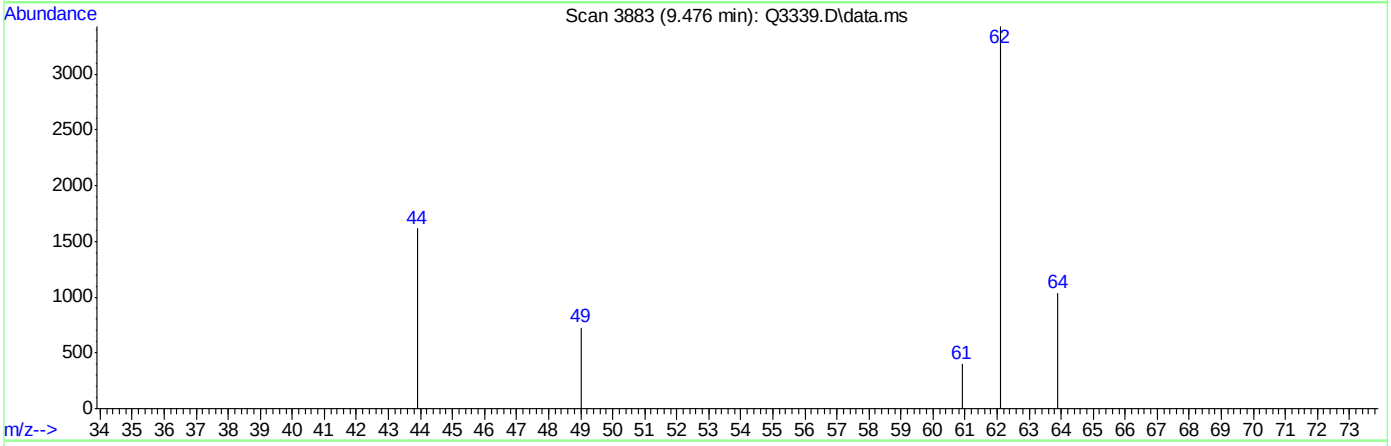
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	33.17
98.00	5.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.476min (+0.000) 0.26PPBV m

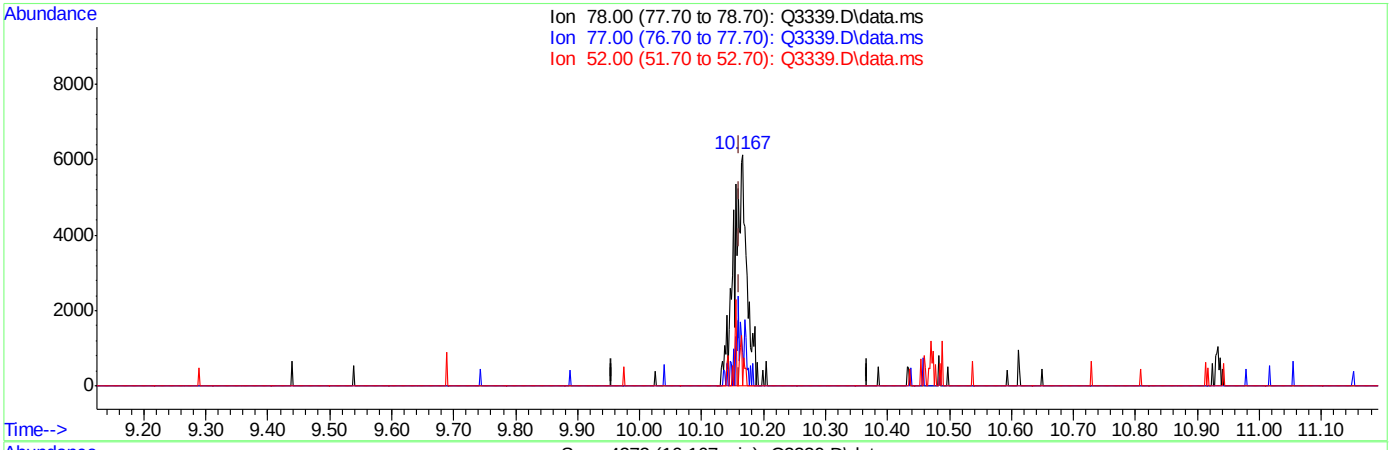
response 5667

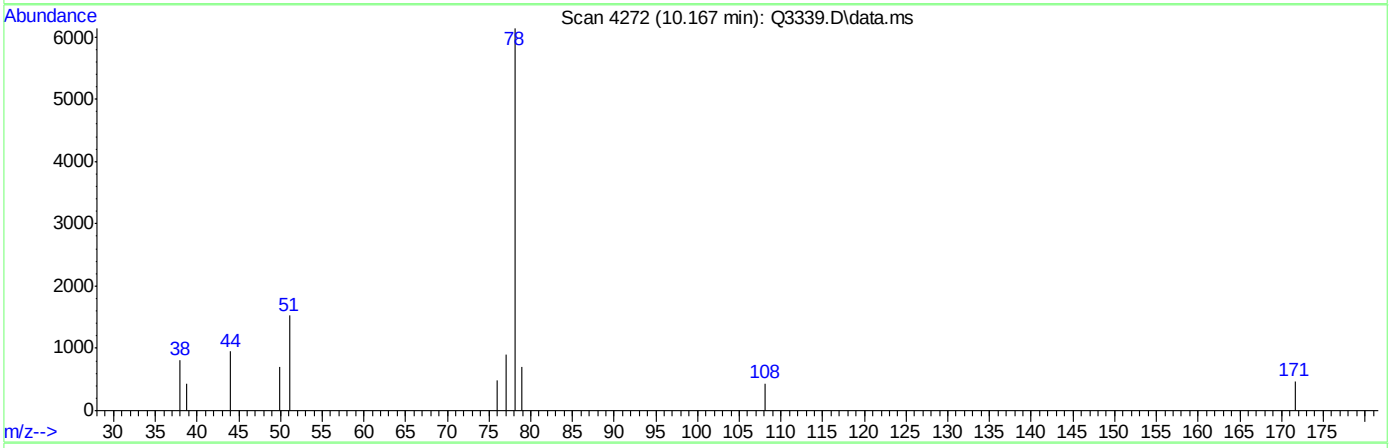
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	25.34
98.00	5.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(36) BENZENE (m)

10.167min (+0.005) 0.28PPBV

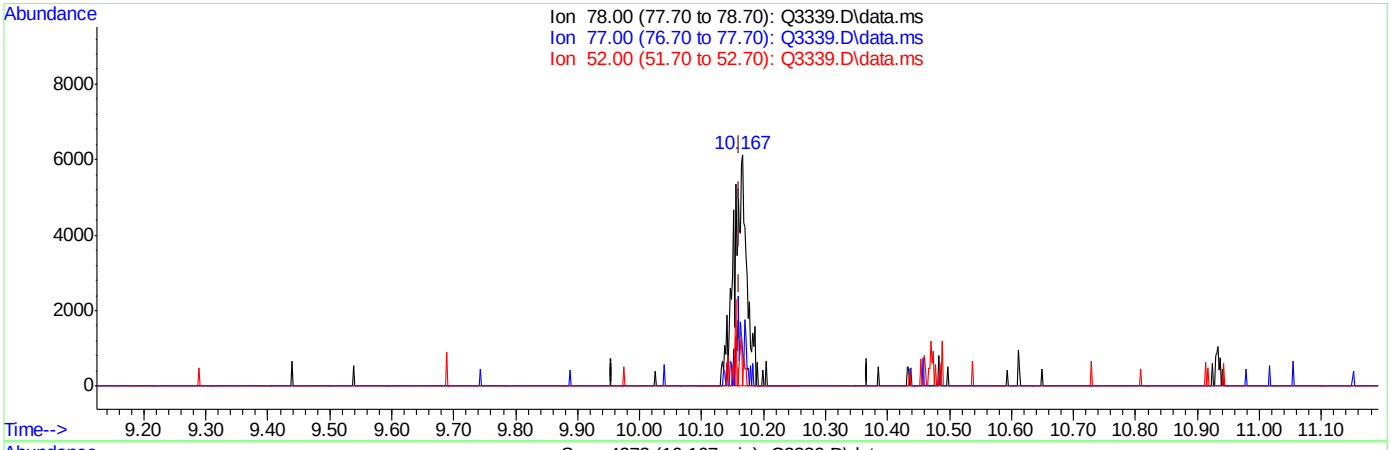
response 9070

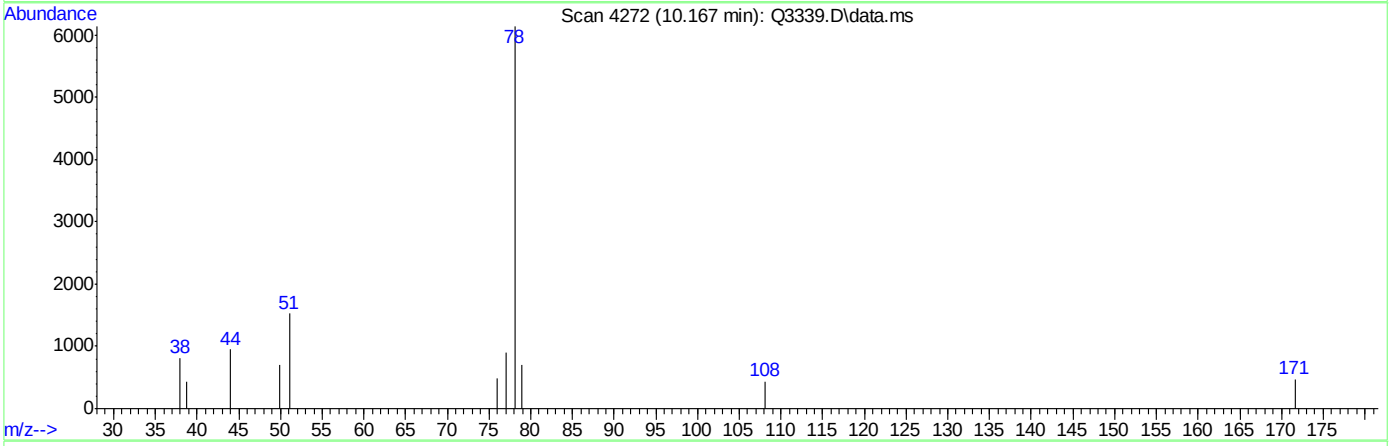
Ion	Exp%	Act%
78.00	100	100
77.00	23.30	0.00#
52.00	17.20	5.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(36) BENZENE (m)

10.167min (+0.005) 0.29PPBV m

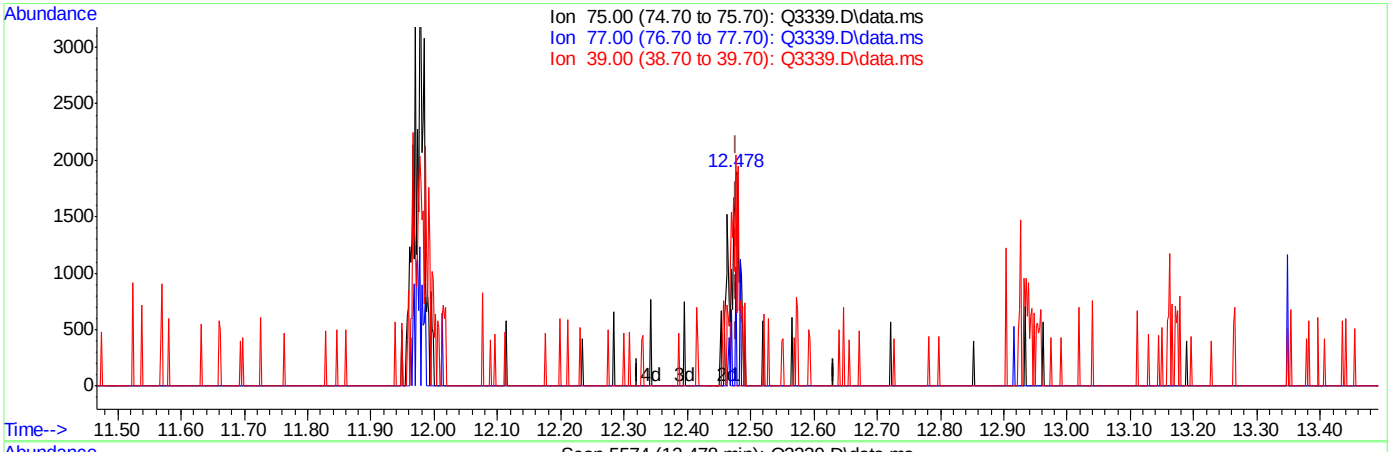
response 9184

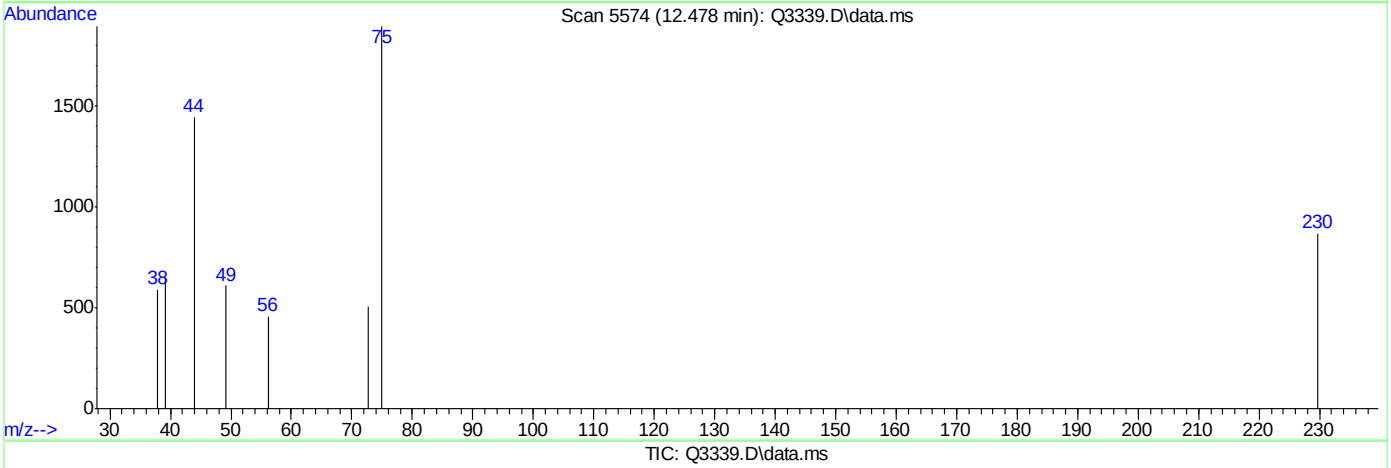
Ion	Exp%	Act%
78.00	100	100
77.00	23.30	0.00#
52.00	17.20	5.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(47) trans-1,3-DICHLOROPROPENE (m)

12.478min (+0.000) 0.11PPBV

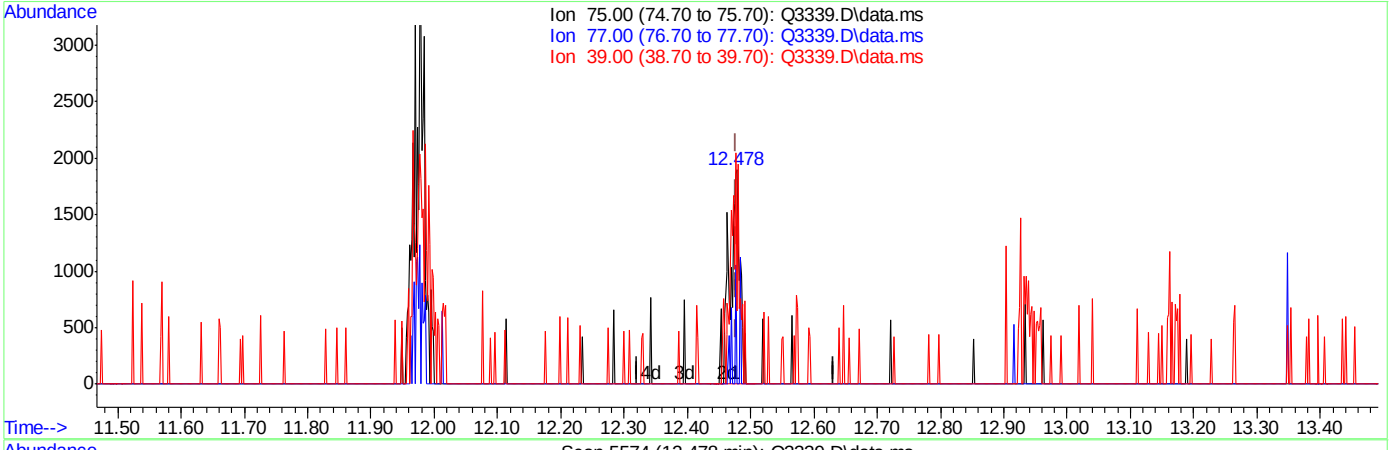
response 1457

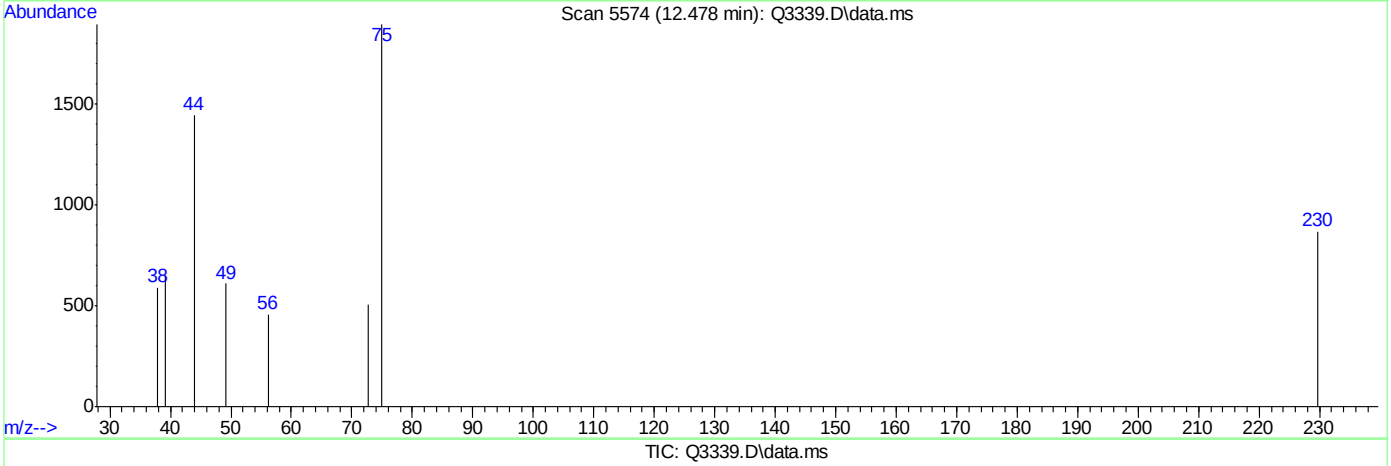
Ion	Exp%	Act%
75.00	100	100
77.00	30.80	0.00#
39.00	53.10	128.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(47) trans-1,3-DICHLOROPROPENE (m)

12.478min (+0.000) 0.16PPBV m

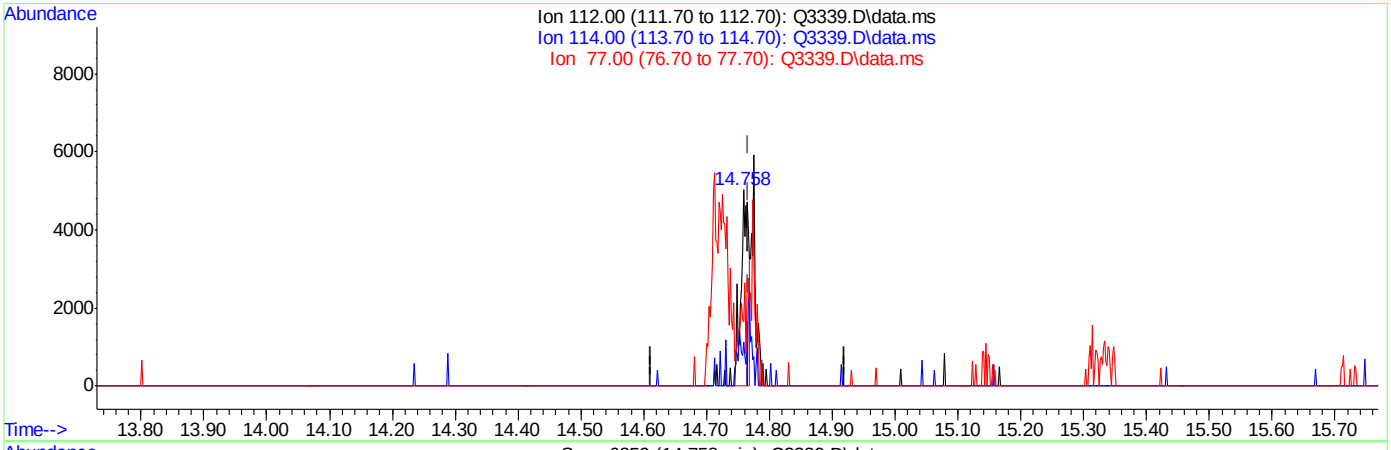
response 2089

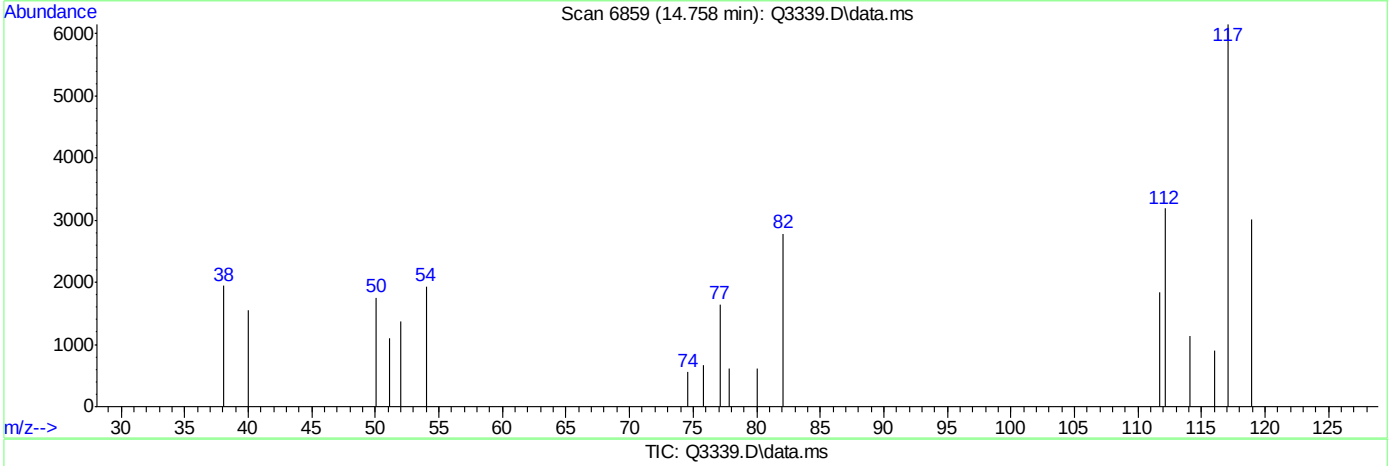
Ion	Exp%	Act%
75.00	100	100
77.00	30.80	0.00#
39.00	53.10	89.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(54) CHLOROBENZENE (m)

14.758min (-0.009) 0.16PPBV

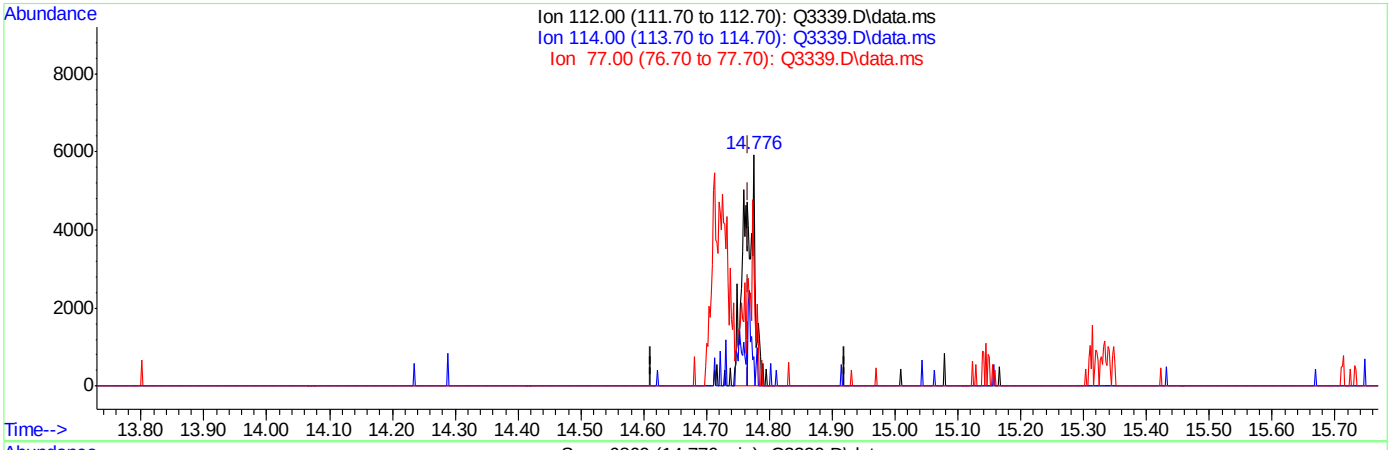
response 4614

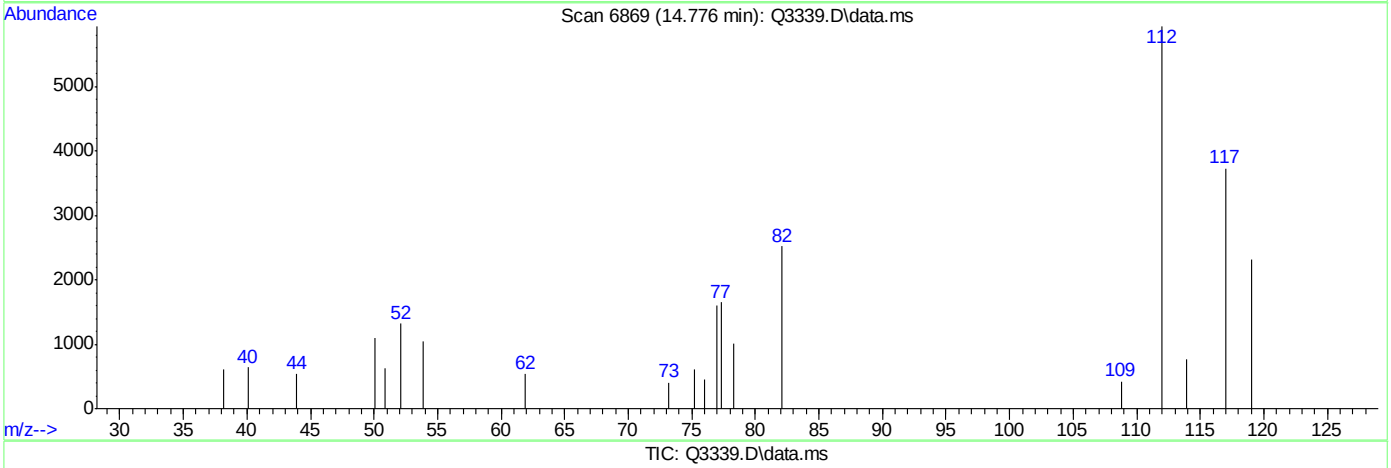
Ion	Exp%	Act%
112.00	100	100
114.00	31.40	23.60
77.00	61.50	21.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(54) CHLOROBENZENE (m)

14.776min (+0.009) 0.25PPBV m

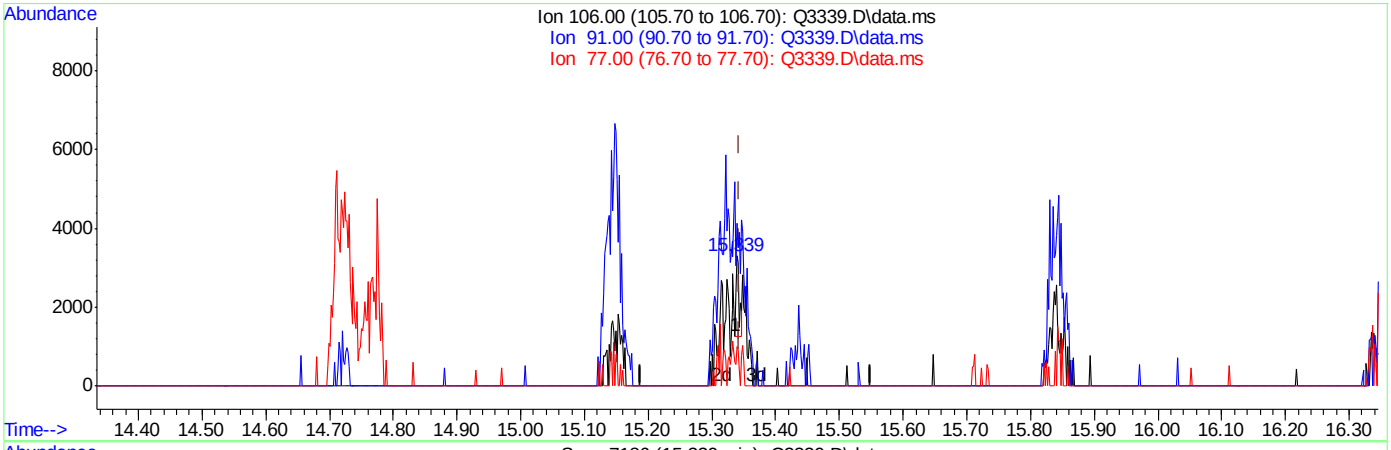
response 7323

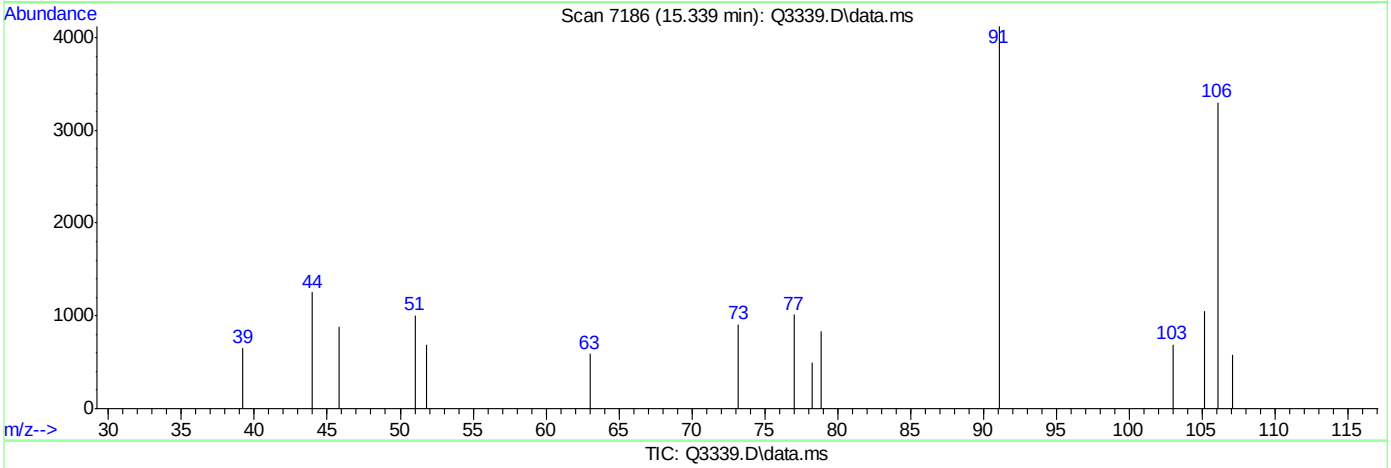
Ion	Exp%	Act%
112.00	100	100
114.00	31.40	14.87
77.00	61.50	13.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(56) m,p-XYLENE (m)

15.339min (-0.005) 0.04PPBV

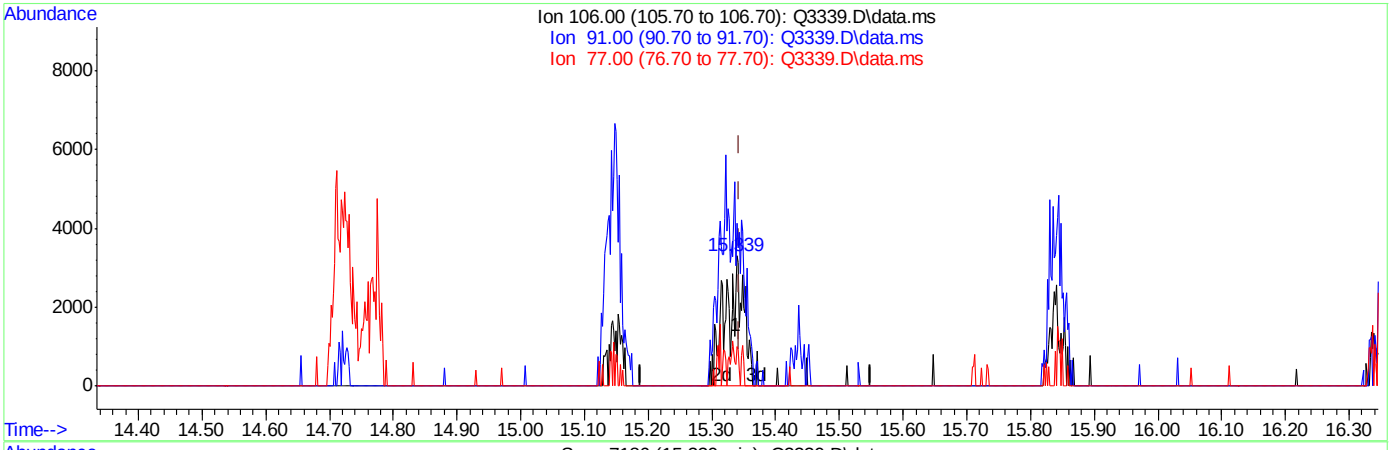
response 716

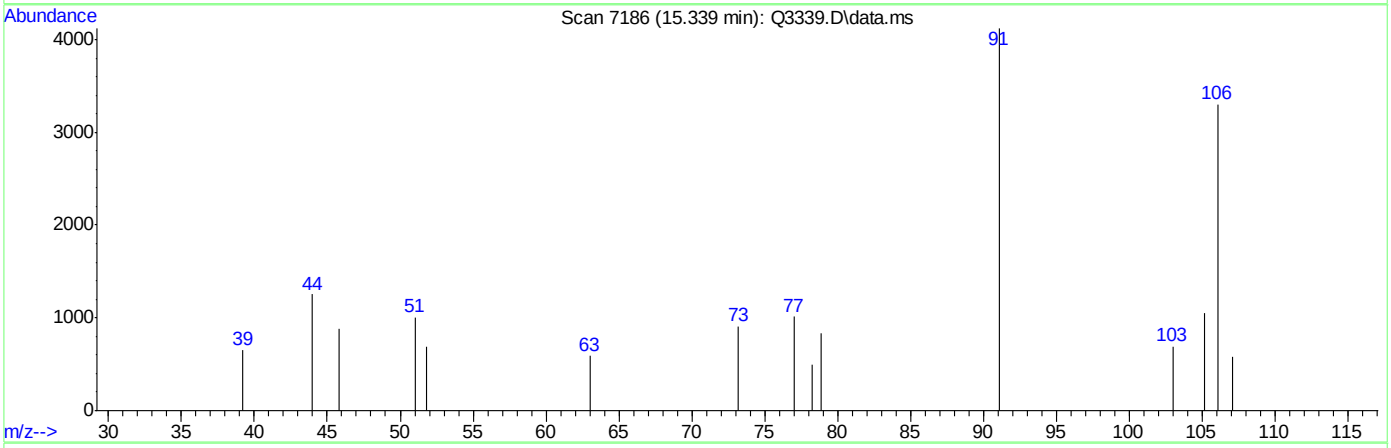
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	124.74#
77.00	31.20	30.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(56) m,p-XYLENE (m)

15.339min (-0.005) 0.36PPBV m

response 6506

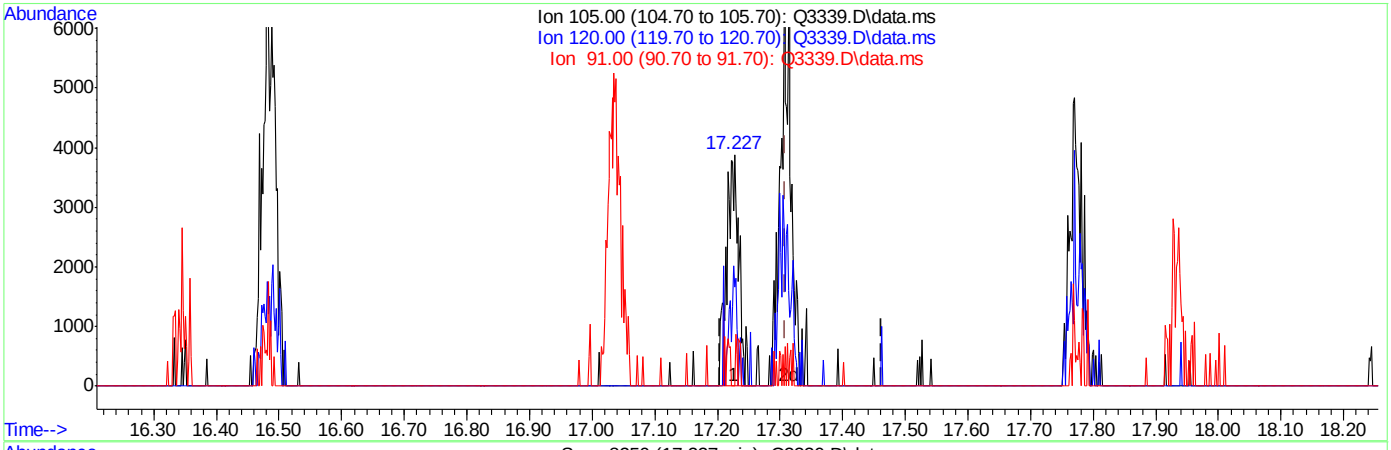
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	124.74#
77.00	31.20	30.70
0.00	0.00	0.00

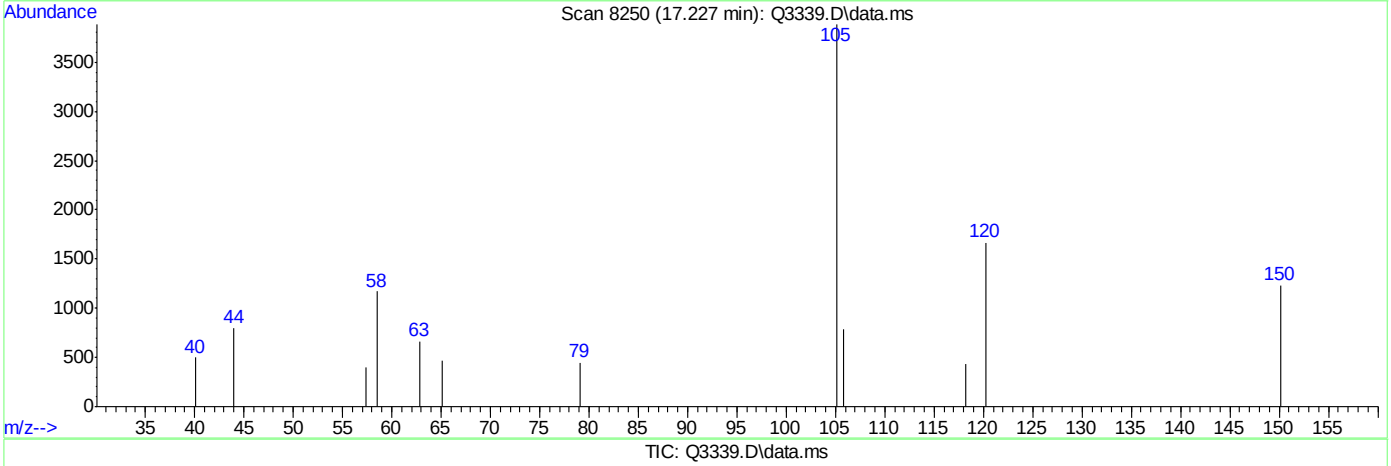
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

17.227min (-0.081) 0.10PPBV

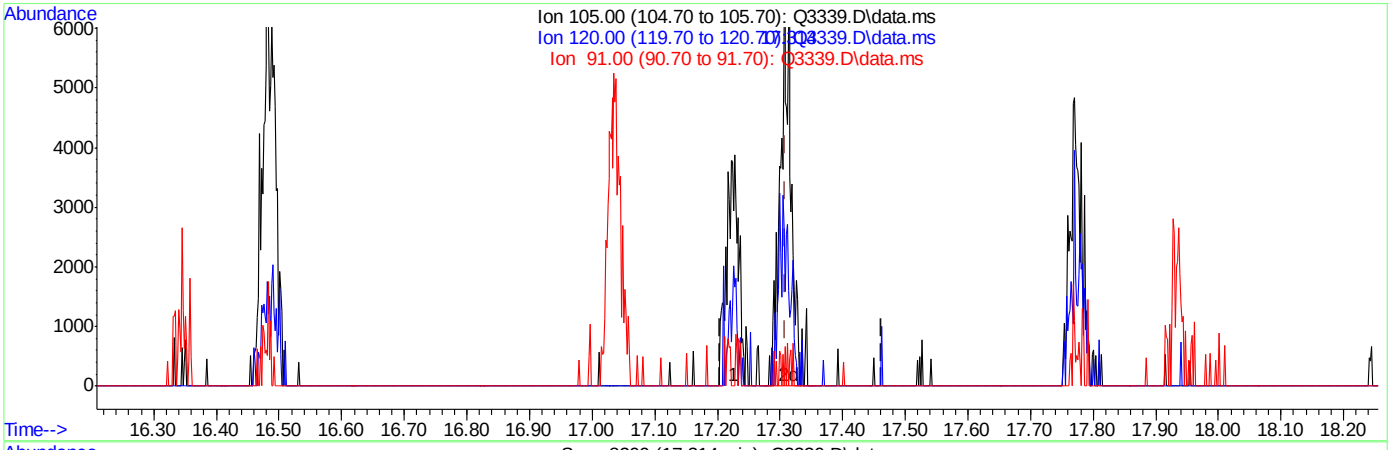
response 4866

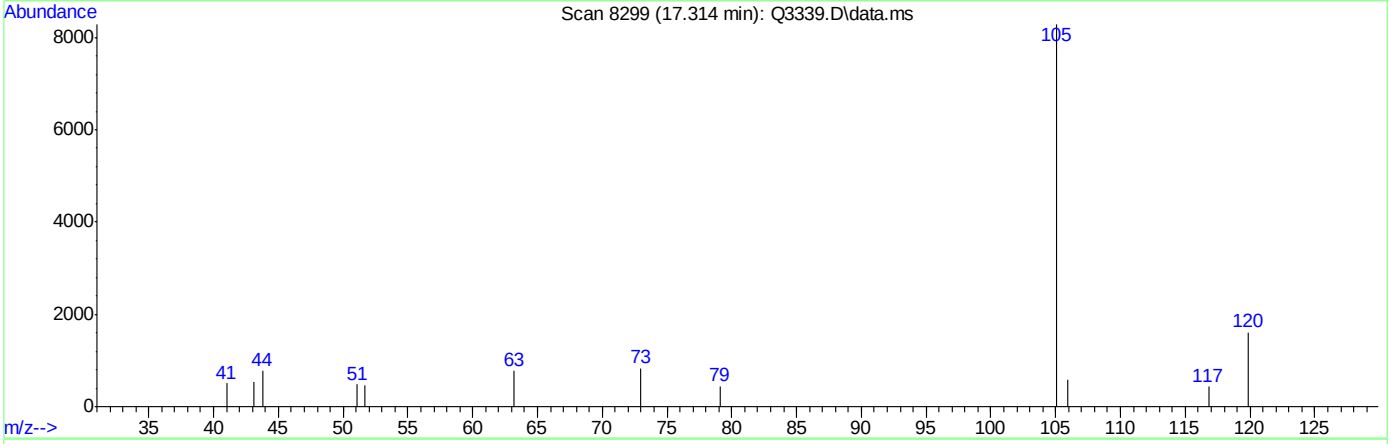
Ion	Exp%	Act%
105.00	100	100
120.00	46.30	27.78
91.00	11.60	6.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

17.314min (+0.005) 0.17PPBV m

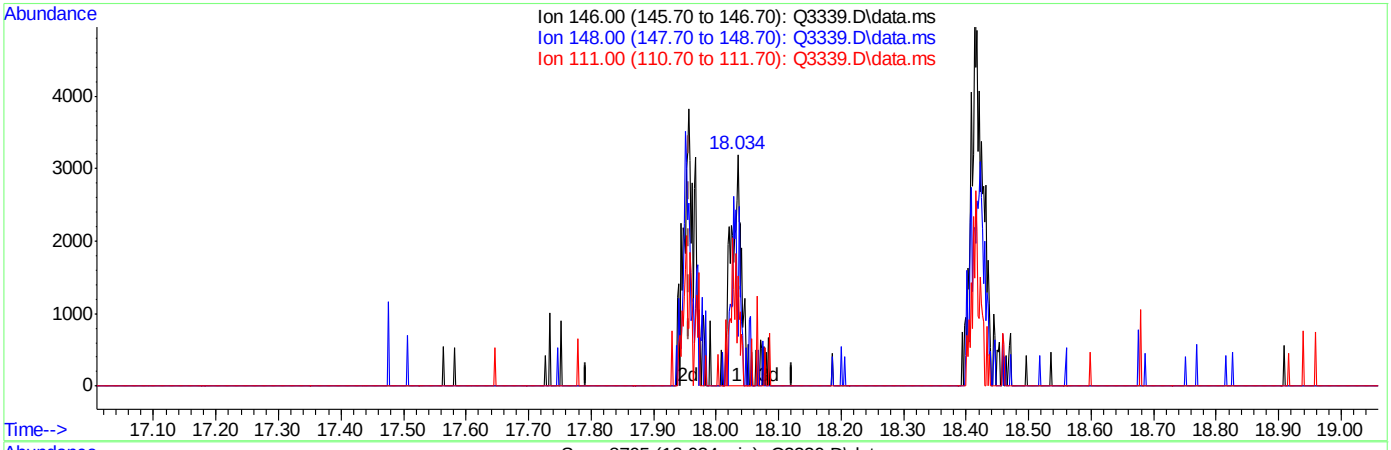
response 8057

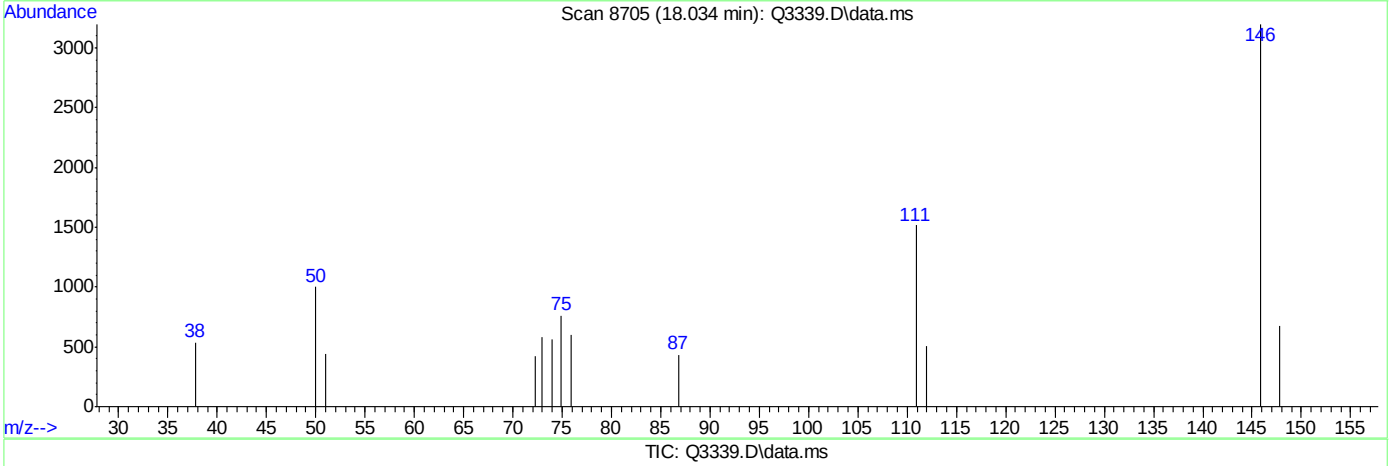
Ion	Exp%	Act%
105.00	100	100
120.00	46.30	16.78#
91.00	11.60	3.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(68) m-DICHLOROBENZENE (m)

18.034min (+0.076) 0.15PPBV

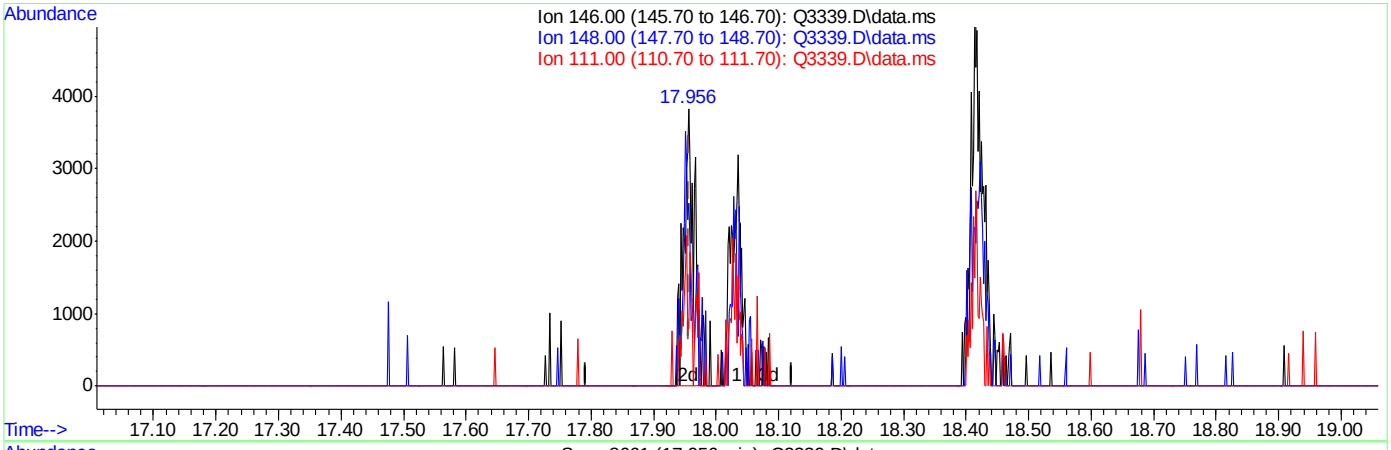
response 3791

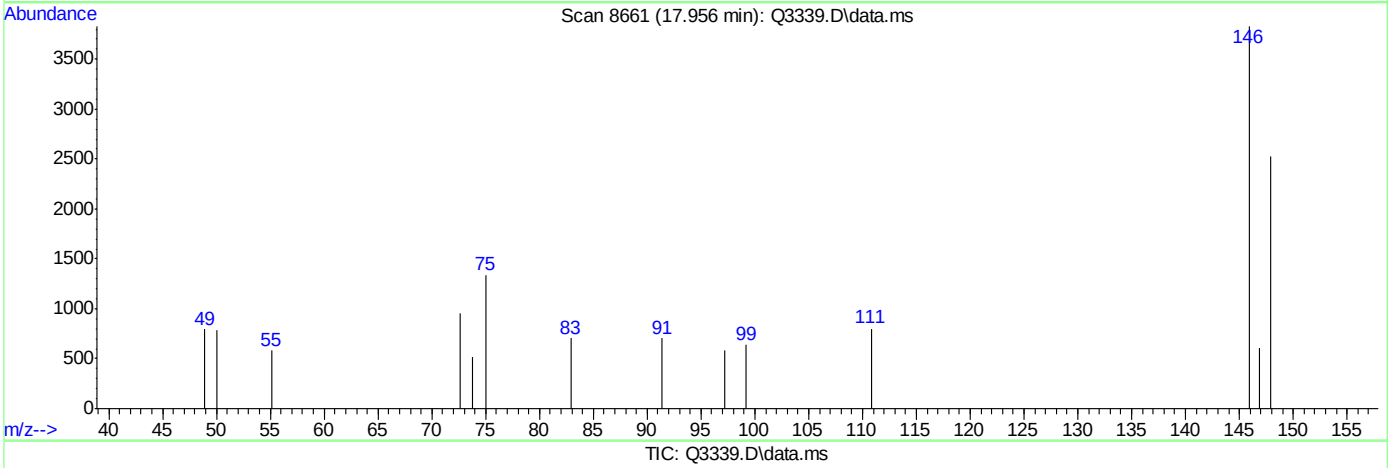
Ion	Exp%	Act%
146.00	100	100
148.00	63.80	60.09
111.00	40.20	45.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





(68) m-DICHLOROBENZENE (m)

17.956min (-0.002) 0.18PPBV m

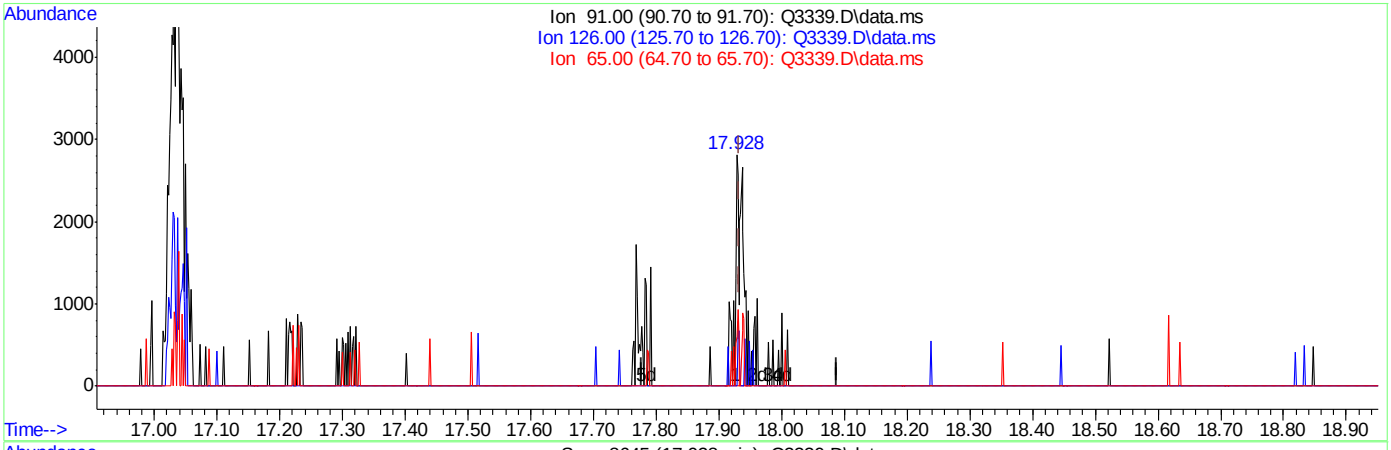
response 4726

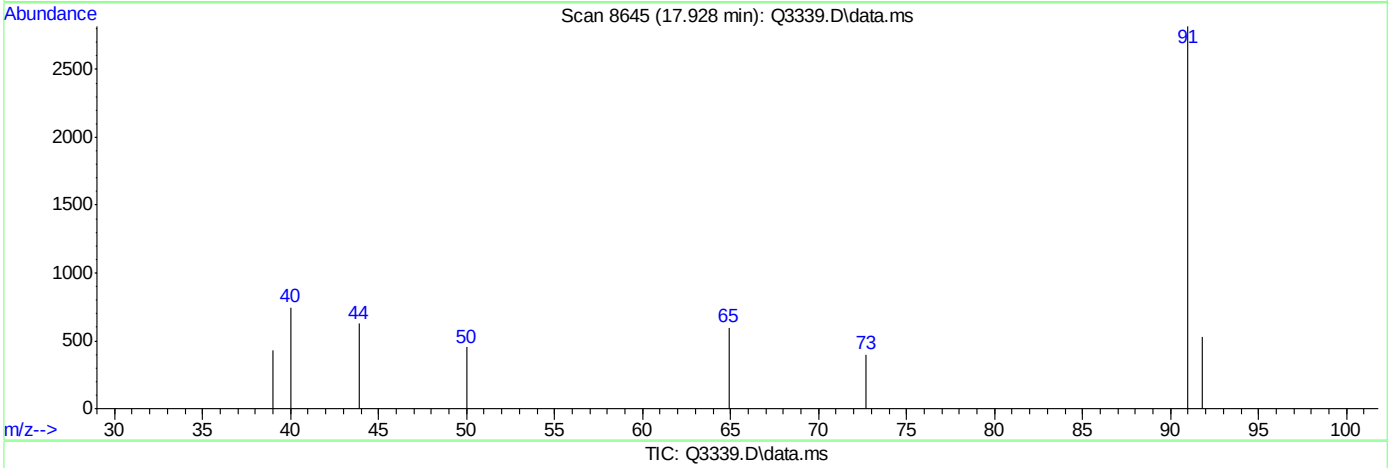
Ion	Exp%	Act%
146.00	100	100
148.00	63.80	48.20
111.00	40.20	36.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(69) BENZYL CHLORIDE (m)

17.928min (-0.005) 0.11PPBV

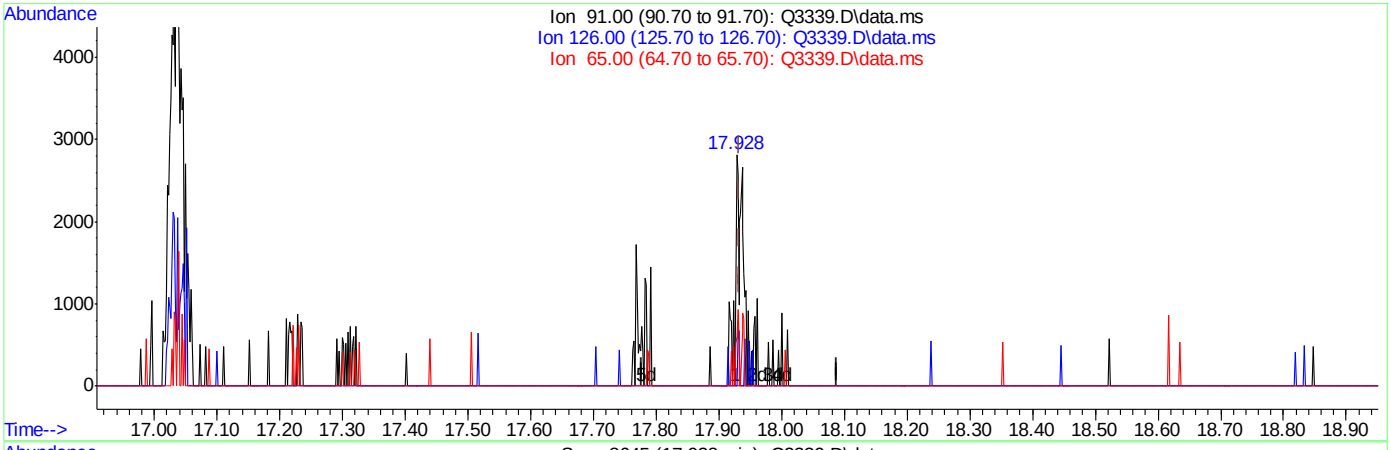
response 2613

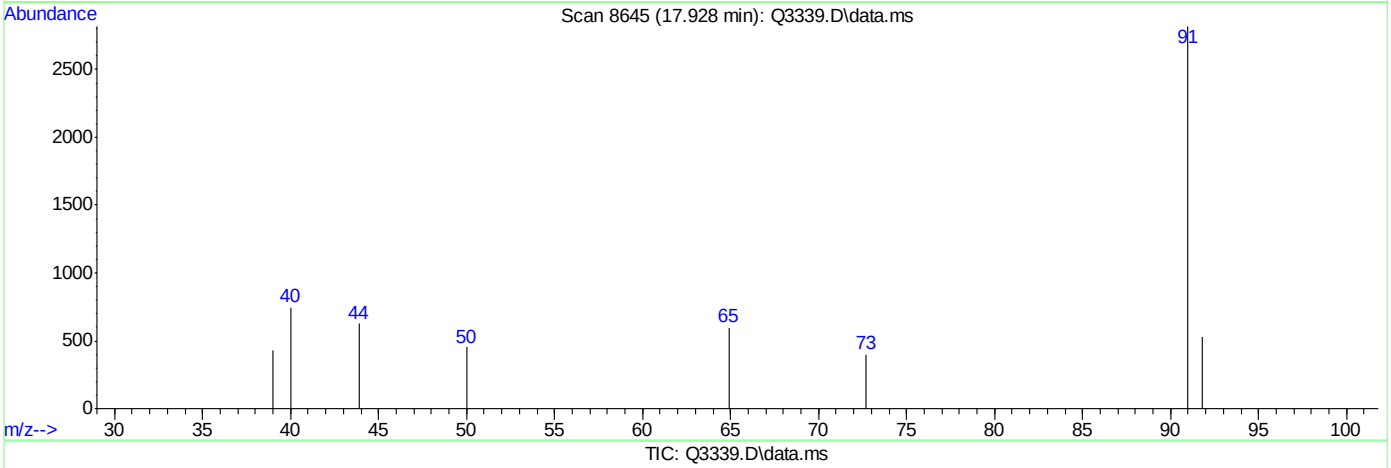
Ion	Exp%	Act%
91.00	100	100
126.00	18.20	7.23
65.00	12.60	14.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(69) BENZYL CHLORIDE (m)

17.928min (-0.005) 0.13PPBV m

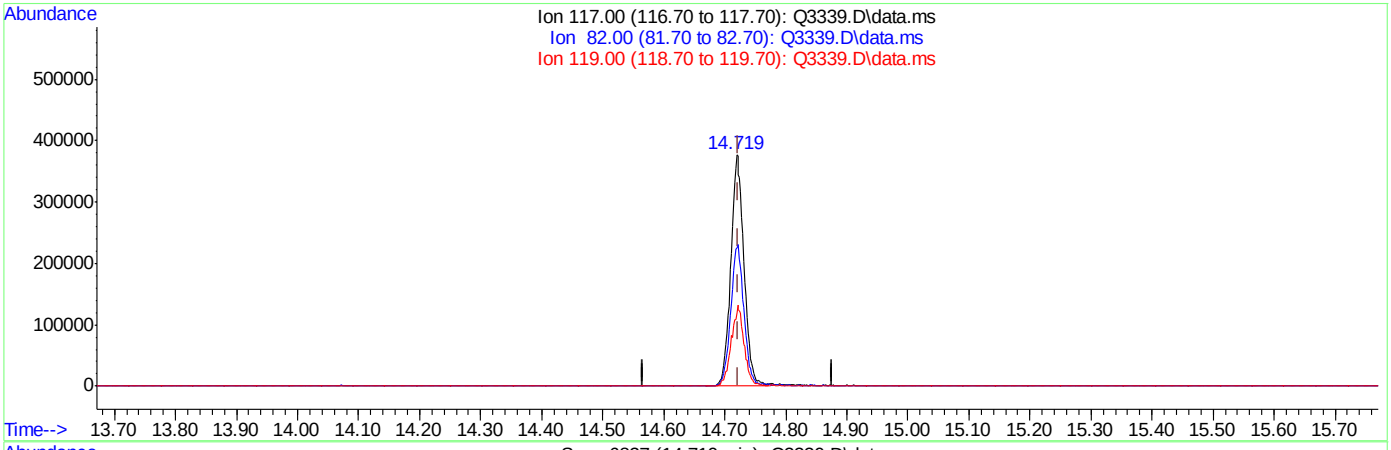
response 2937

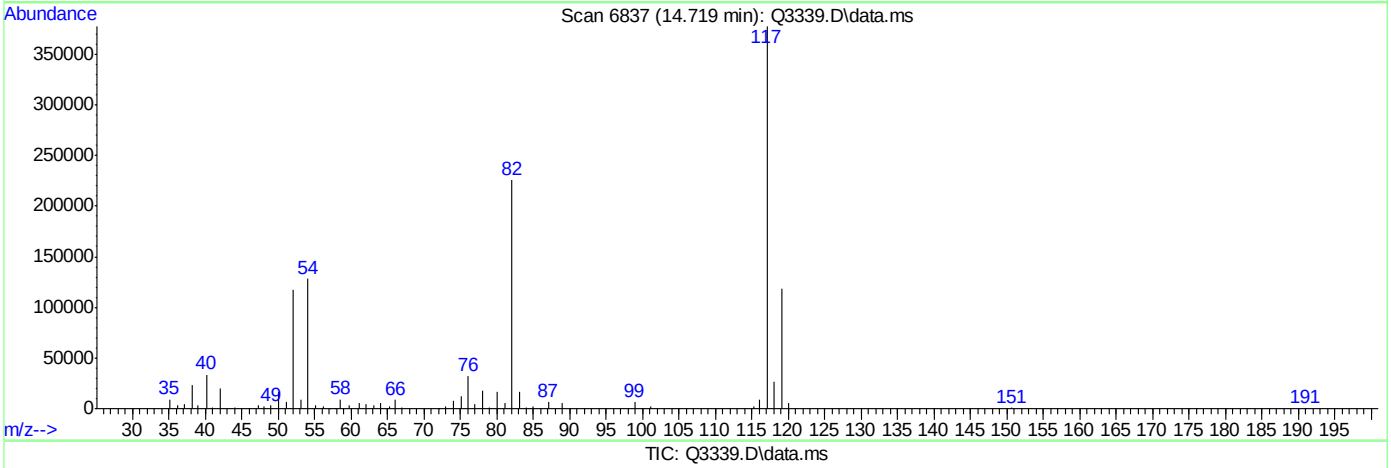
Ion	Exp%	Act%
91.00	100	100
126.00	18.20	6.44
65.00	12.60	12.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:28:44 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





(49) CHLOROBENZENE-D5 (I)

14.719min (-0.003) 10.00PPBV

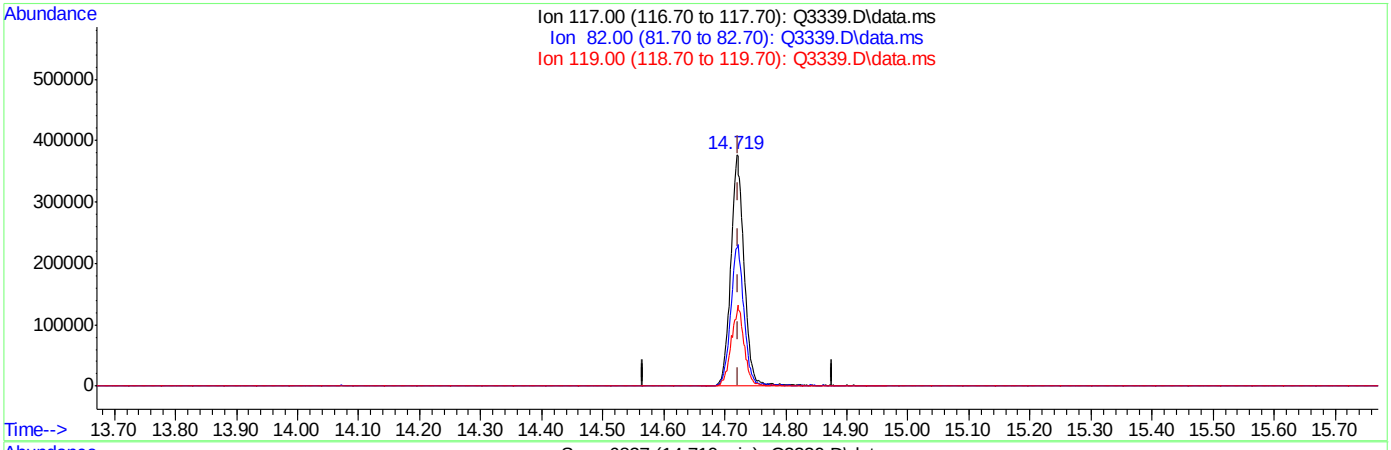
response 583741

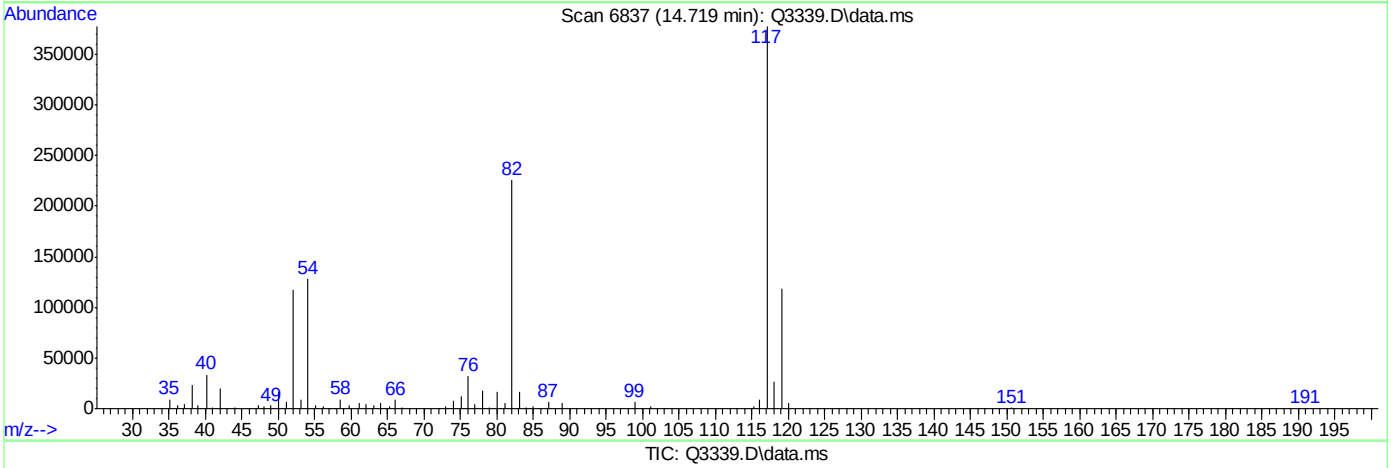
Ion	Exp%	Act%
117.00	100	100
82.00	57.00	61.37
119.00	32.10	34.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:28:44 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





(49) CHLOROBENZENE-D5 (I)

14.719min (-0.003) 10.00PPBV m

response 600663

Ion	Exp%	Act%
117.00	100	100
82.00	57.00	59.64
119.00	32.10	33.15
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/22/07 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:30 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	186085	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	801024	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	676596	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	276214	5.25	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	672147	8.77	PPBV		97
3) PROPYLENE	3.966	41	132995	9.18	PPBV		90
4) FREON 114	4.299	85	570614	8.76	PPBV		99
5) CHLOROMETHANE	4.196	50	146222	8.91	PPBV		94
6) VINYL CHLORIDE	4.422	62	156741	8.31	PPBV		98
7) 1,3-BUTADIENE	4.566	39	167502	9.33	PPBV	#	74
8) BROMOMETHANE	4.839	94	175101	9.44	PPBV		100
9) CHLOROETHANE	5.016	64	64281	9.67	PPBV		86
10) TRICHLOROFLUOROMETHANE	5.794	101	815000	9.40	PPBV		98
11) ISOPROPYL ALCOHOL	5.829	45	281453	9.02	PPBV		94
12) ACETONE	5.604	43	293120	9.11	PPBV		87
13) PENTANE	6.149	42	176889	9.59	PPBV		91
14) 1,1-DICHLOROETHYLENE	6.433	96	158553	10.65	PPBV	#	67
15) CARBON DISULFIDE	6.864	76	469851	9.61	PPBV		80
16) ETHANOL	5.091	45	49553m	9.52	PPBV		
17) BROMOETHENE	5.373	106	167331	8.25	PPBV	#	94
18) METHYLENE CHLORIDE	6.548	84	298690	10.66	PPBV		63
19) 3-CHLOROPROPENE	6.663	39	208048	10.38	PPBV	#	79
20) FREON 113	6.804	151	368045	10.01	PPBV		91
21) TRANS-1,2-DICHLOROETHY...	7.474	96	154314	9.42	PPBV	#	78
22) TERTIARY BUTYL ALCOHOL	6.438	59	330535	9.42	PPBV		81
23) METHYL TERTIARY BUTYL ...	7.714	73	348125	10.15	PPBV		79
24) TETRAHYDROFURAN	9.146	42	115565	8.54	PPBV		86
25) HEXANE	8.676	57	227777	8.52	PPBV	#	81
26) VINYL ACETATE	7.794	43	325229	9.89	PPBV		88
27) 1,1-DICHLOROETHANE	7.671	63	296052	9.46	PPBV		98
28) METHYL ETHYL KETONE	8.039	43	252622	8.37	PPBV		95
29) cis-1,2-DICHLOROETHYLENE	8.481	96	122385	8.18	PPBV		98
30) ETHYL ACETATE	8.671	43	458671	8.45	PPBV		98
31) CHLOROFORM	8.763	83	361841	8.18	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.716	97	366347	7.86	PPBV		98
33) CARBON TETRACHLORIDE	10.305	117	457933	8.16	PPBV		95
34) 1,2-DICHLOROETHANE	9.471	62	200934	7.55	PPBV		97
36) BENZENE	10.160	78	298166	7.97	PPBV		99
37) CYCLOHEXANE	10.424	84	138257	9.29	PPBV		98
38) TRICHLOROETHYLENE	11.157	95	189674	8.53	PPBV		94
39) 1,2-DICHLOROPROPANE	10.937	63	108412	8.11	PPBV		96
40) BROMODICHLOROMETHANE	11.118	83	322261	8.73	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	548080	8.90	PPBV		95
42) 1,4-DIOXANE	11.146	88	61712	9.06	PPBV		92
43) HEPTANE	11.420	43	220061	9.39	PPBV		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:30 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

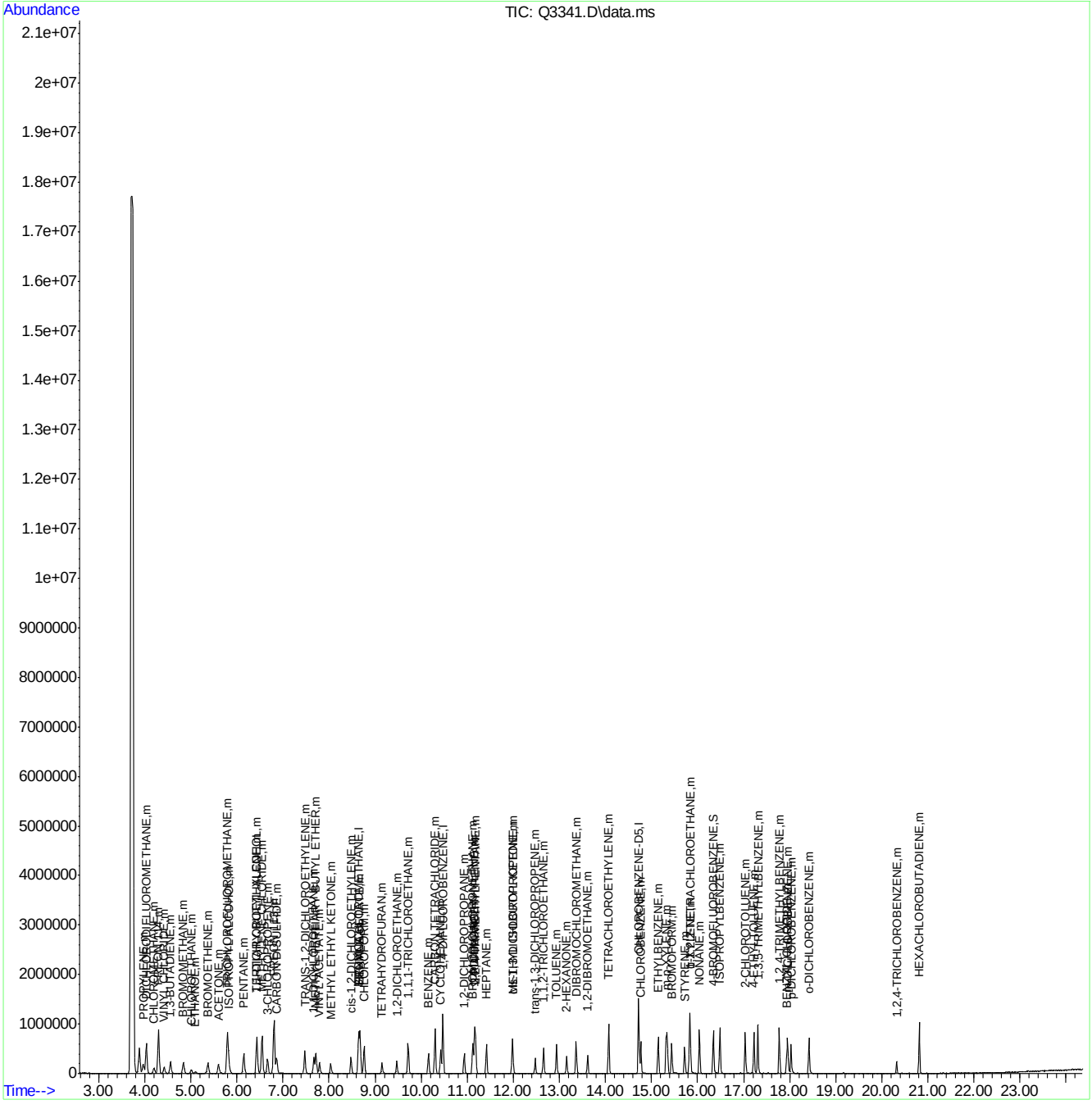
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	302300	9.71	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.975	75	172793	8.50	PPBV #	72
46) TOLUENE	12.935	92	205476	8.82	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.474	75	129477	10.19	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.660	83	118264	8.50	PPBV	98
50) 2-HEXANONE	13.155	43	228838	9.34	PPBV	90
51) TETRACHLOROETHYLENE	14.071	164	154040	8.62	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.365	129	300201	8.46	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	205596	8.03	PPBV	99
54) CHLOROBENZENE	14.767	112	283566	8.08	PPBV	97
55) ETHYLBENZENE	15.149	91	461371	8.61	PPBV	97
56) m,p-XYLENE	15.324	106	365457m	17.70	PPBV	
57) o-XYLENE	15.841	106	184649	8.99	PPBV	97
58) STYRENE	15.720	104	220322	10.54	PPBV	97
59) NONANE	16.041	43	319136	9.59	PPBV	92
60) BROMOFORM	15.438	173	237525	9.67	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	307427	7.95	PPBV	97
63) ISOPROPYLBENZENE	16.485	105	531230	9.48	PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	402236	9.59	PPBV	97
65) 4-ETHYLTOLUENE	17.229	105	443018	10.54	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	464370	9.75	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	432454	10.43	PPBV	98
68) m-DICHLOROBENZENE	17.956	146	230987	9.17	PPBV	97
69) BENZYL CHLORIDE	17.933	91	208763	10.42	PPBV	98
70) p-DICHLOROBENZENE	18.029	146	181112	8.27	PPBV	97
71) o-DICHLOROBENZENE	18.418	146	226773	8.12	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	107969	14.75	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	45195	13.04	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

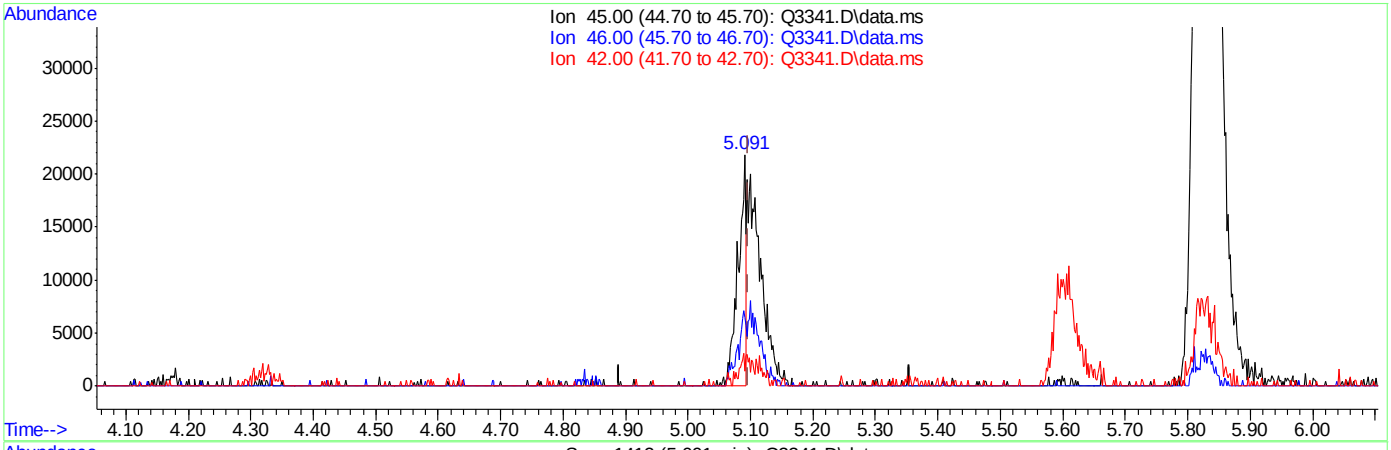
Quant Time: May 04 15:56:30 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

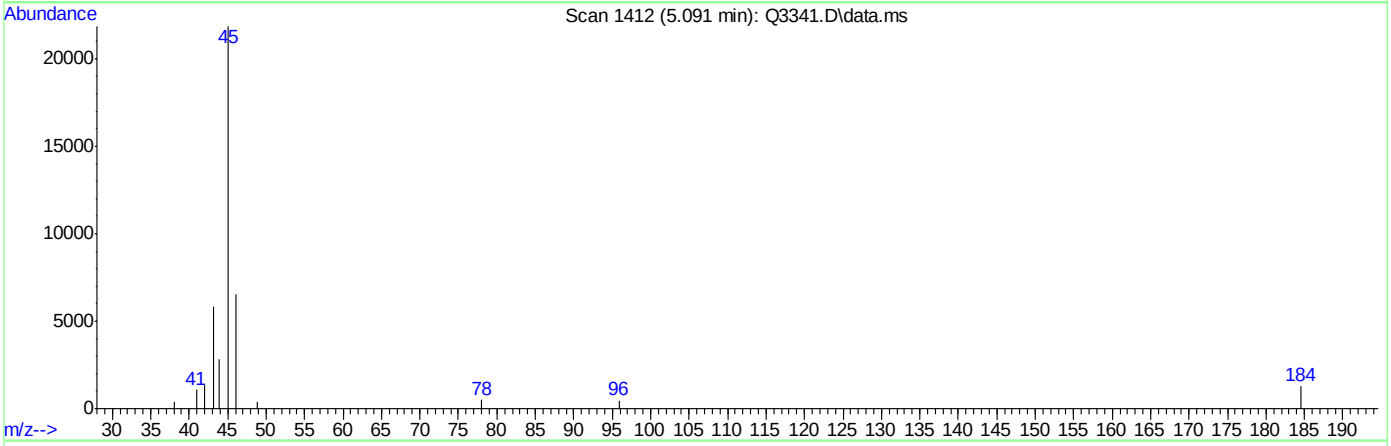


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 3.74PPBV

response 18480

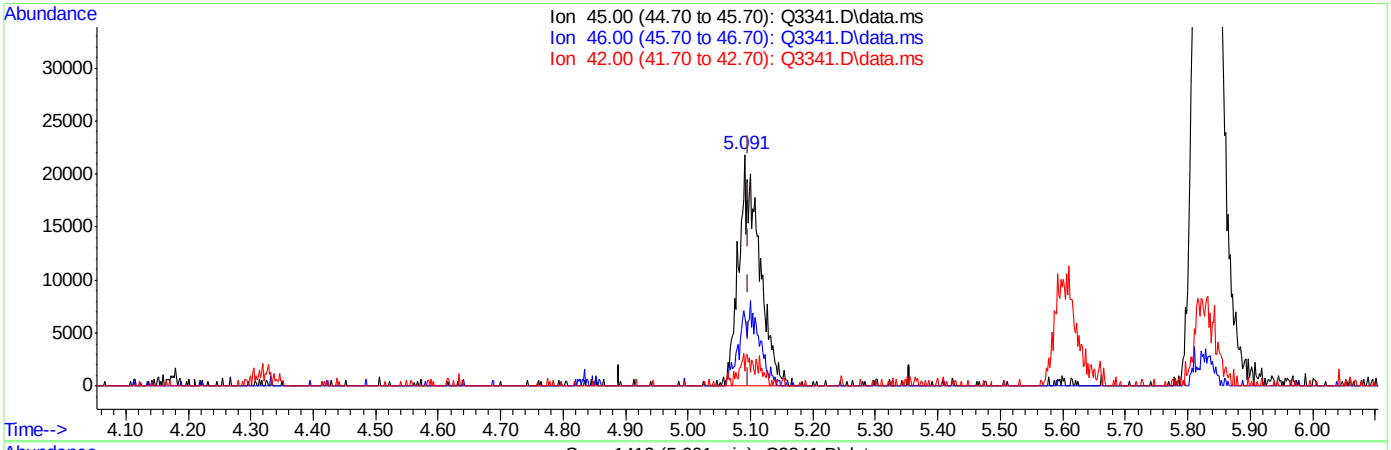
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	91.35#
42.00	4.60	16.94
0.00	0.00	0.00

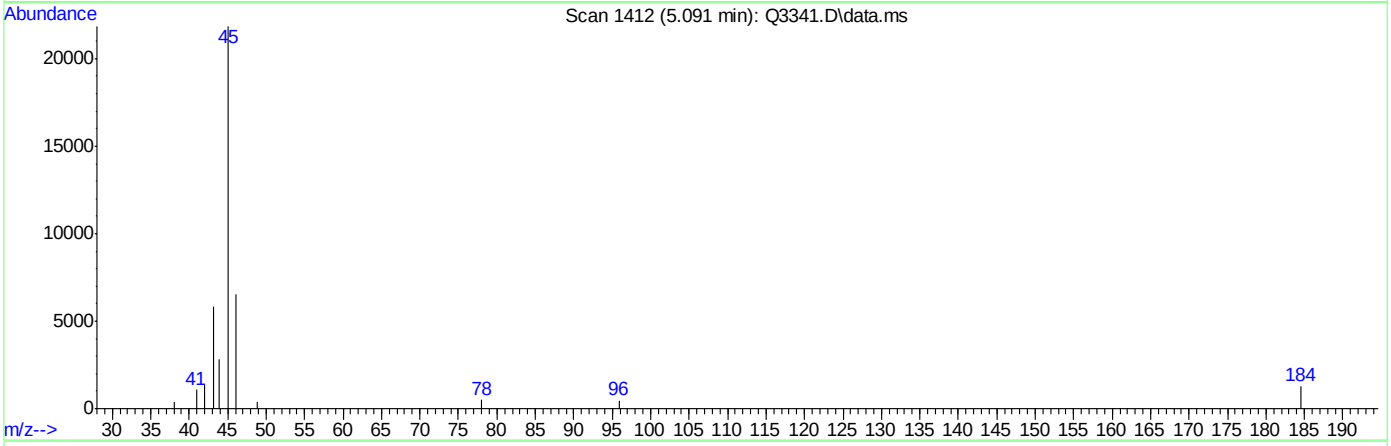
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 9.52PPBV m

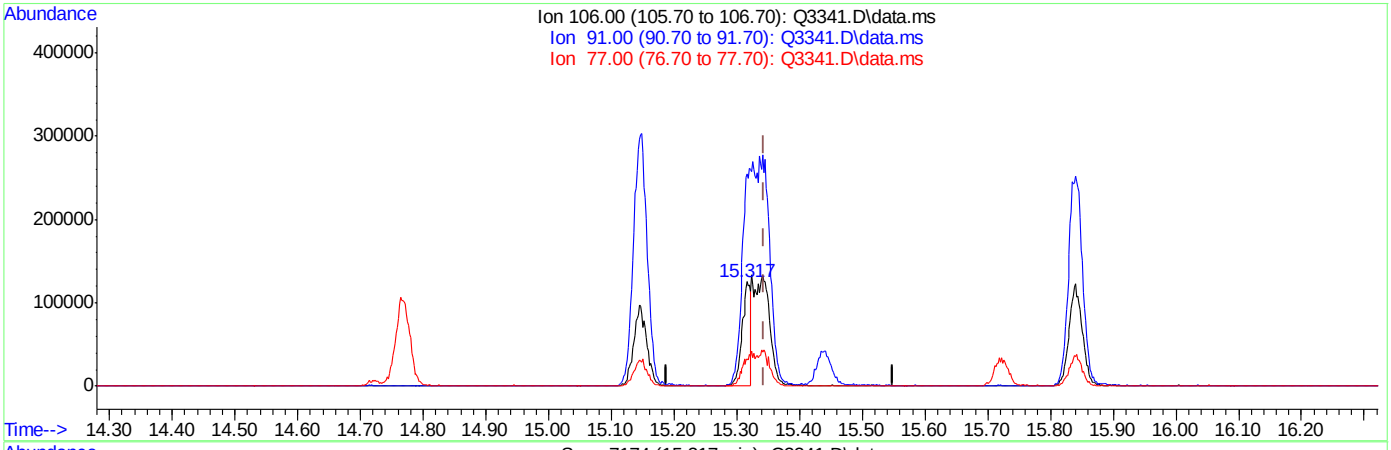
response 49553

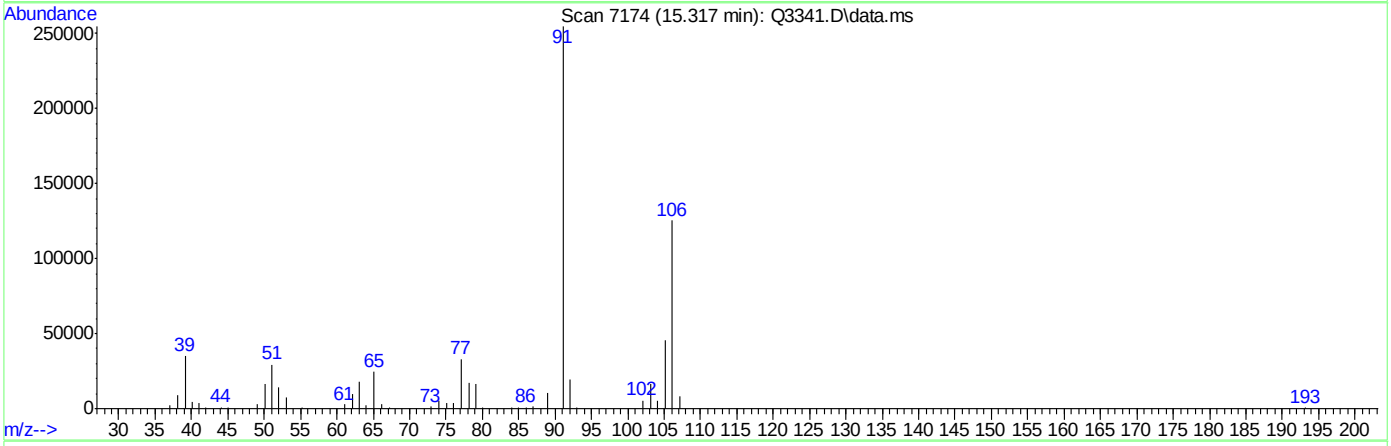
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	34.07
42.00	4.60	6.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.027) 5.87PPBV

response 121204

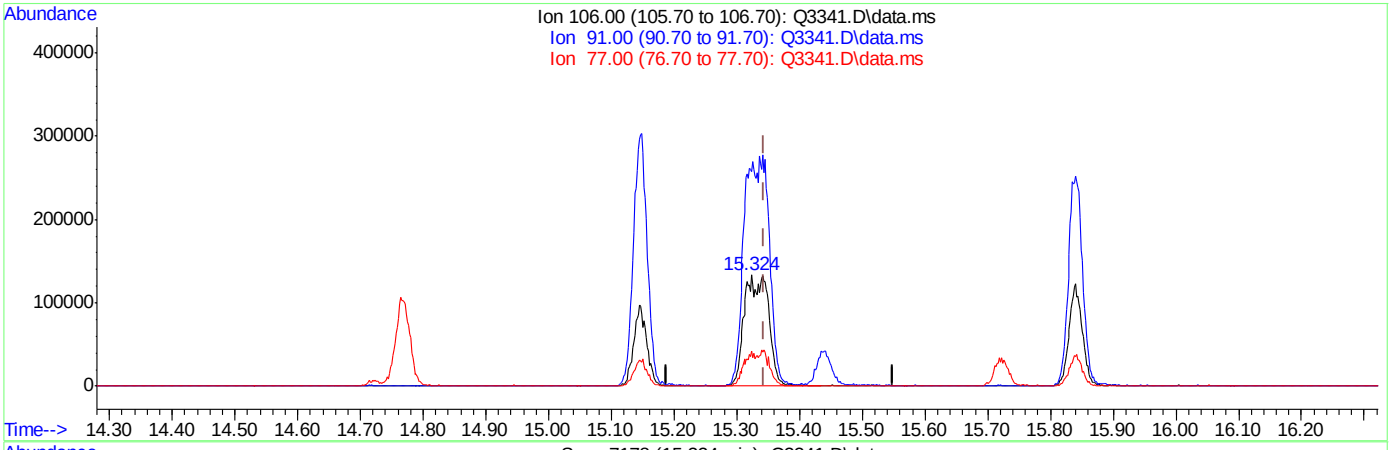
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	203.01
77.00	31.20	26.30
0.00	0.00	0.00

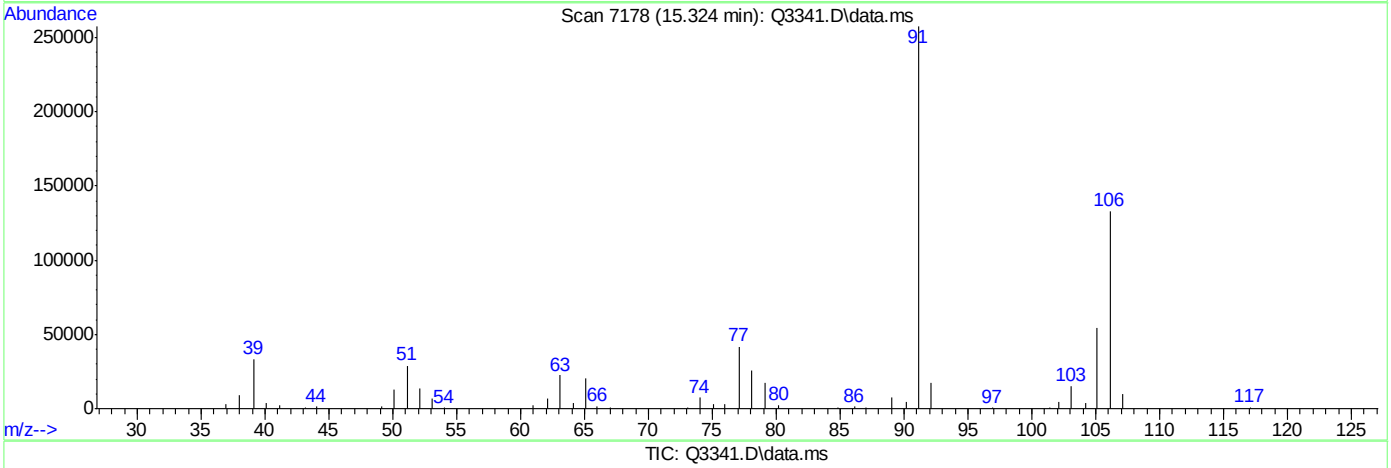
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:56:01 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.019) 17.70PPBV m

response 365457

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	193.46
77.00	31.20	31.33
0.00	0.00	0.00

ACCUTEST Laboratories M64501

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/22/07 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV180-10 (M148)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	186085	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	801024	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	676596	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	276214	5.25	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	672147	8.77	PPBV	97
3) PROPYLENE	3.966	41	132995	9.18	PPBV	90
4) FREON 114	4.299	85	570614	8.76	PPBV	99
5) CHLOROMETHANE	4.196	50	146222	8.91	PPBV	94
6) VINYL CHLORIDE	4.422	62	156741	8.31	PPBV	98
7) 1,3-BUTADIENE	4.566	39	167502	9.33	PPBV #	74
8) BROMOMETHANE	4.839	94	175101	9.44	PPBV	100
9) CHLOROETHANE	5.016	64	64281	9.67	PPBV	86
10) TRICHLOROFLUOROMETHANE	5.794	101	815000	9.40	PPBV	98
11) ISOPROPYL ALCOHOL	5.829	45	281453	9.02	PPBV	94
12) ACETONE	5.604	43	293120	9.11	PPBV	87
13) PENTANE	6.149	42	176889	9.59	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.433	96	158553	10.65	PPBV #	67
15) CARBON DISULFIDE	6.864	76	469851	9.61	PPBV	80
16) ETHANOL	5.091	45	49553m	9.52	PPBV	
17) BROMOETHENE	5.373	106	167331	8.25	PPBV #	94
18) METHYLENE CHLORIDE	6.548	84	298690	10.66	PPBV	63
19) 3-CHLOROPROPENE	6.663	39	208048	10.38	PPBV #	79
20) FREON 113	6.804	151	368045	10.01	PPBV	91
21) TRANS-1,2-DICHLOROETHY...	7.474	96	154314	9.42	PPBV #	78
22) TERTIARY BUTYL ALCOHOL	6.438	59	330535	9.42	PPBV	81
23) METHYL TERTIARY BUTYL ...	7.714	73	348125	10.15	PPBV	79
24) TETRAHYDROFURAN	9.146	42	115565	8.54	PPBV	86
25) HEXANE	8.676	57	227777	8.52	PPBV #	81
26) VINYL ACETATE	7.794	43	325229	9.89	PPBV	88
27) 1,1-DICHLOROETHANE	7.671	63	296052	9.46	PPBV	98
28) METHYL ETHYL KETONE	8.039	43	252622	8.37	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.481	96	122385	8.18	PPBV	98
30) ETHYL ACETATE	8.671	43	458671	8.45	PPBV	98
31) CHLOROFORM	8.763	83	361841	8.18	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.716	97	366347	7.86	PPBV	98
33) CARBON TETRACHLORIDE	10.305	117	457933	8.16	PPBV	95
34) 1,2-DICHLOROETHANE	9.471	62	200934	7.55	PPBV	97
36) BENZENE	10.160	78	298166	7.97	PPBV	99
37) CYCLOHEXANE	10.424	84	138257	9.29	PPBV	98
38) TRICHLOROETHYLENE	11.157	95	189674	8.53	PPBV	94
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40) BROMODICHLOROMETHANE	11.118	83	322261	8.73	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	548080	8.90	PPBV	95
42) 1,4-DIOXANE	11.146	88	61712	9.06	PPBV	92
43) HEPTANE	11.420	43	220061	9.39	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV180-10 (M148)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

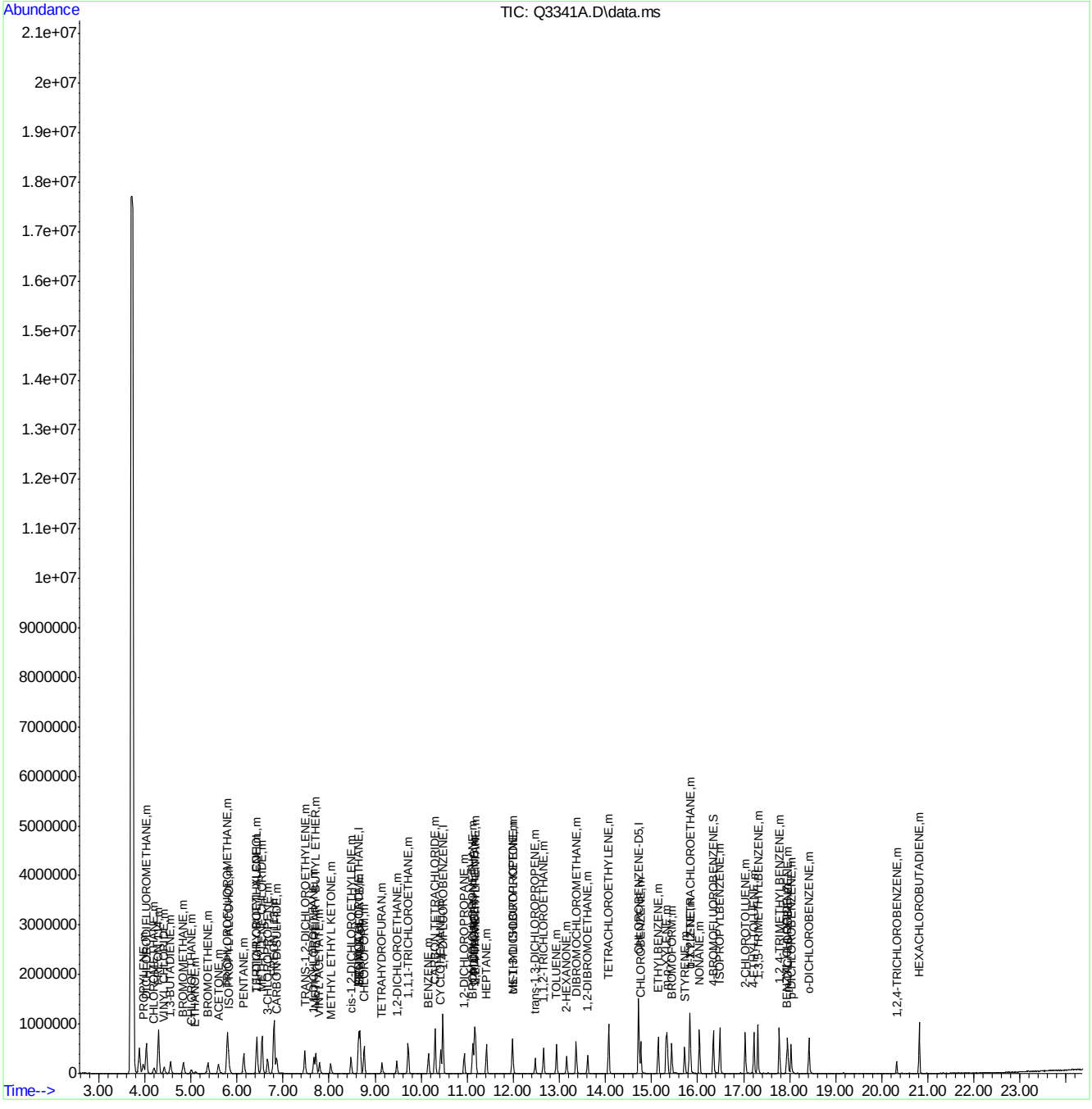
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	302300	9.71	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.975	75	172793	8.50	PPBV #	72
46) TOLUENE	12.935	92	205476	8.82	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.474	75	129477	10.19	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.660	83	118264	8.50	PPBV	98
50) 2-HEXANONE	13.155	43	228838	9.34	PPBV	90
51) TETRACHLOROETHYLENE	14.071	164	154040	8.62	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.365	129	300201	8.46	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	205596	8.03	PPBV	99
54) CHLOROBENZENE	14.767	112	283566	8.08	PPBV	97
55) ETHYLBENZENE	15.149	91	461371	8.61	PPBV	97
56) m,p-XYLENE	15.324	106	365171m	17.69	PPBV	
57) o-XYLENE	15.841	106	184649	8.99	PPBV	97
58) STYRENE	15.720	104	220322	10.54	PPBV	97
59) NONANE	16.041	43	319136	9.59	PPBV	92
60) BROMOFORM	15.438	173	237525	9.67	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	307427	7.95	PPBV	97
63) ISOPROPYLBENZENE	16.485	105	531230	9.48	PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	402236	9.59	PPBV	97
65) 4-ETHYLTOLUENE	17.229	105	443018	10.54	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	464370	9.75	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	432454	10.43	PPBV	98
68) m-DICHLOROBENZENE	17.956	146	230987	9.17	PPBV	97
69) BENZYL CHLORIDE	17.933	91	208763	10.42	PPBV	98
70) p-DICHLOROBENZENE	18.029	146	181112	8.27	PPBV	97
71) o-DICHLOROBENZENE	18.418	146	226773	8.12	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	107969	14.75	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	45195	13.04	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV180-10 (M148)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

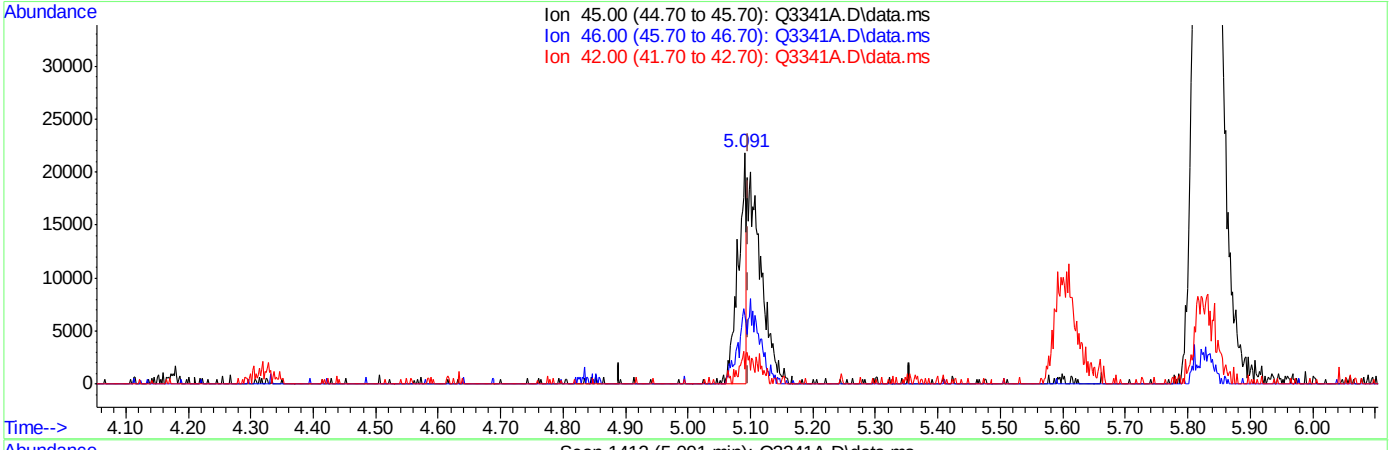


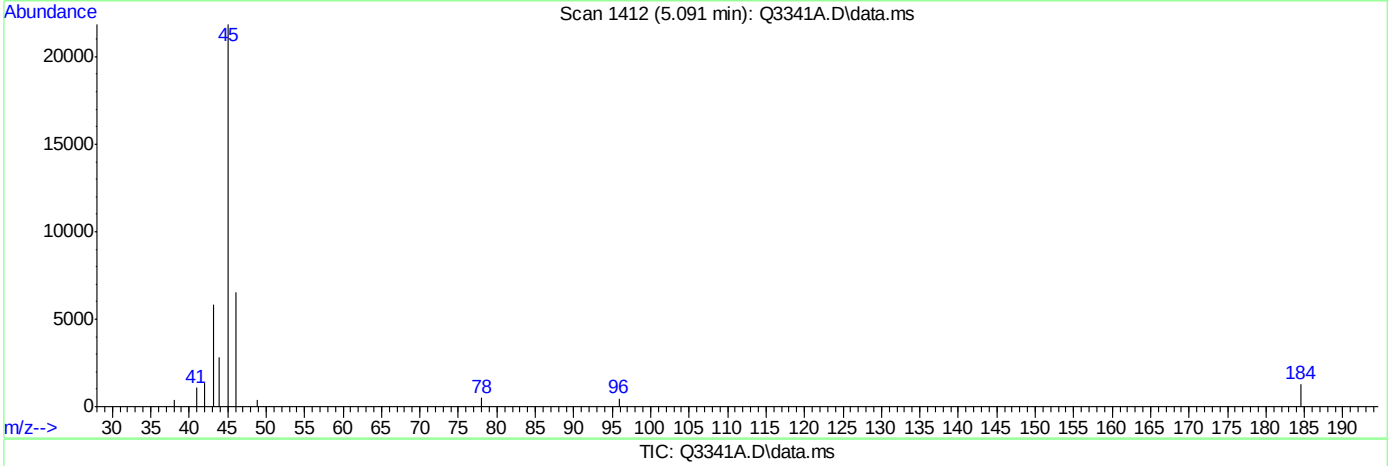
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 3.74PPBV

response 18480

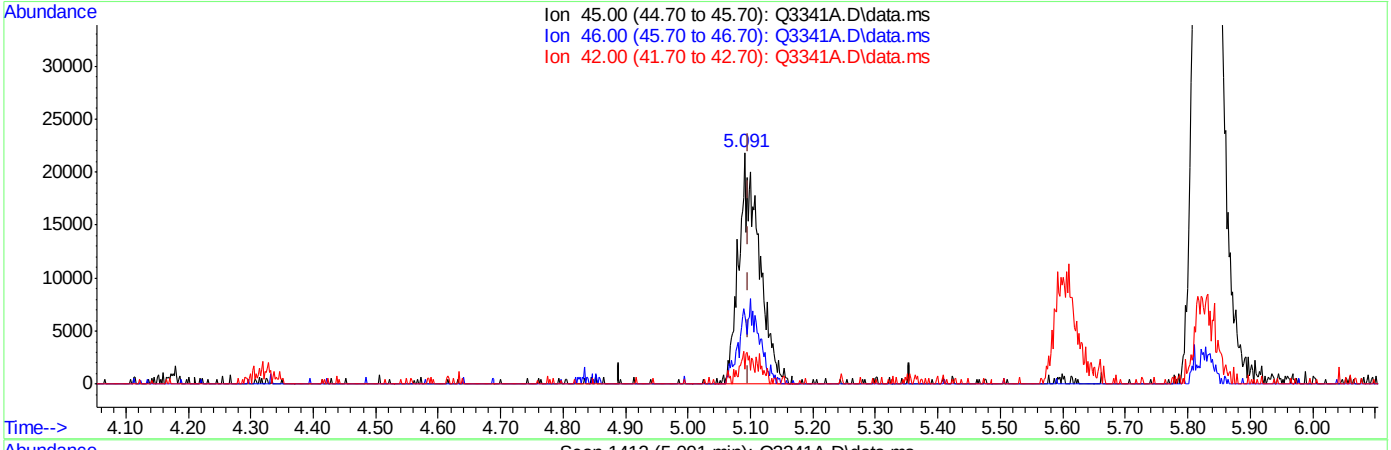
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	91.35#
42.00	4.60	16.94
0.00	0.00	0.00

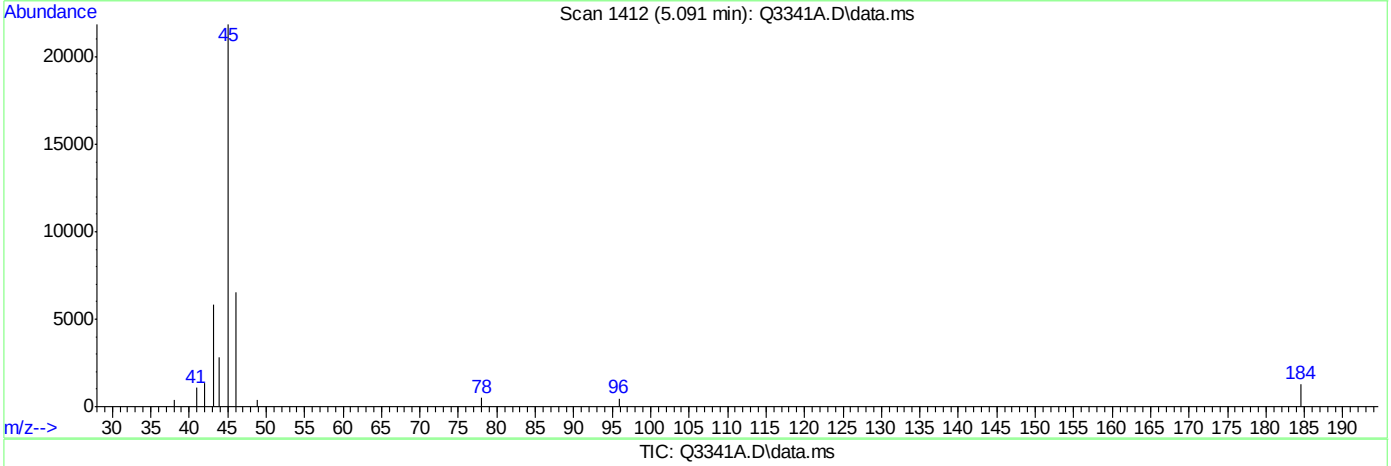
ACCUTEST Laboratories M64501

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 9.52PPBV m

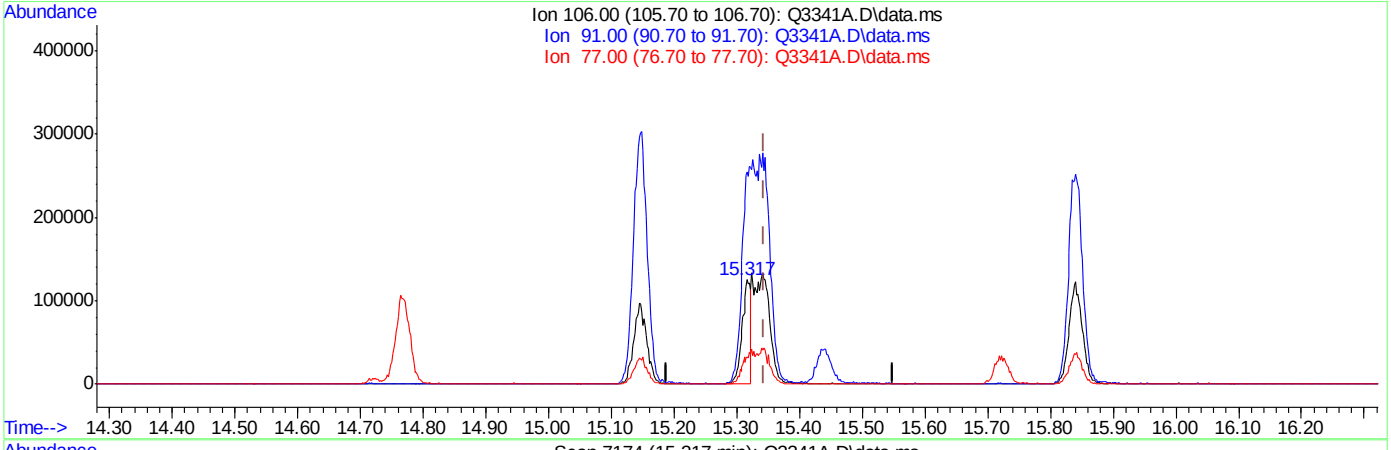
response 49553

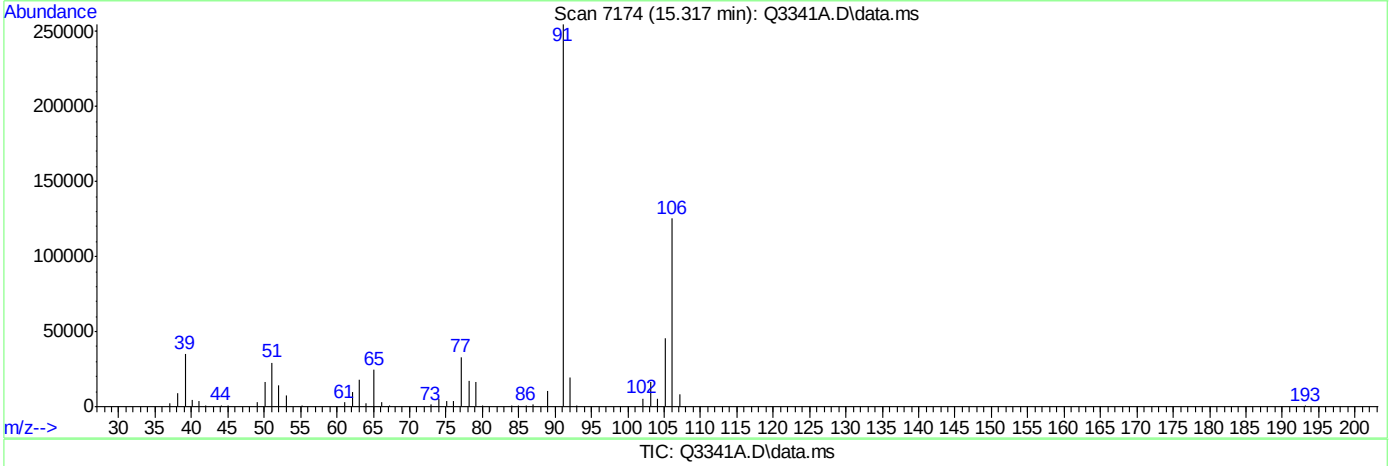
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	34.07
42.00	4.60	6.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.027) 5.87PPBV

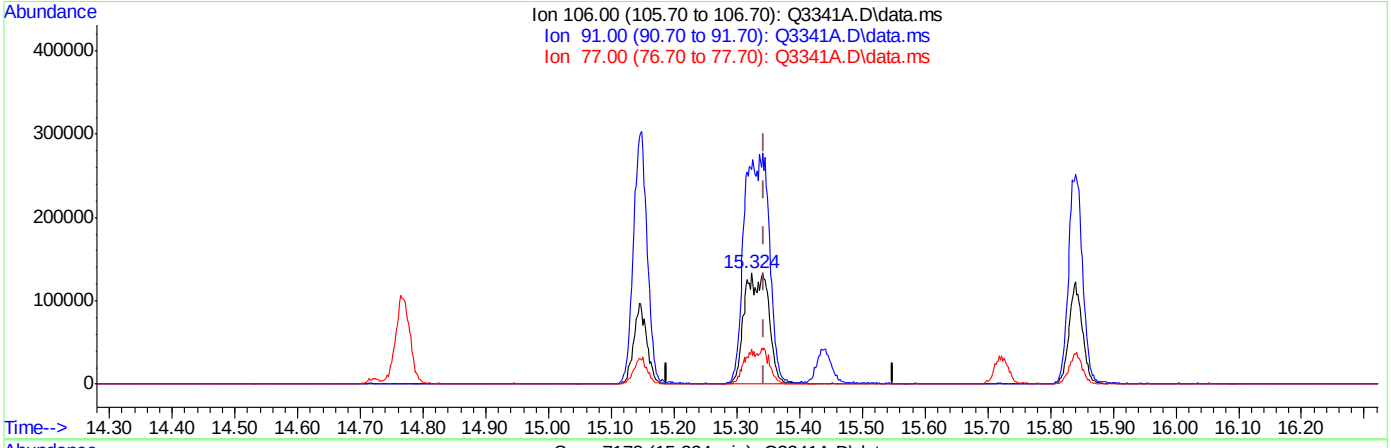
response 121204

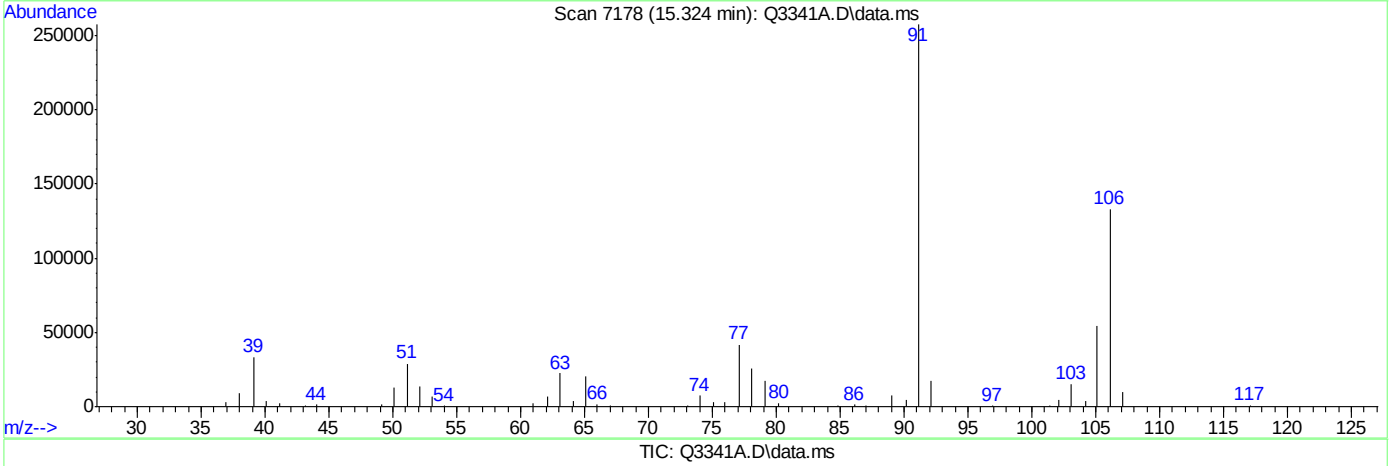
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	203.01
77.00	31.20	26.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.019) 17.69PPBV m

response 365171

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	193.46
77.00	31.20	31.33
0.00	0.00	0.00

Standard Lot #	
Calib STD 1	MSA304
Calib STD 2	MSA308
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	J9928.D
Tune File 2	NA
Initial Cal.	4-5-07
ID FILE	J040507T.M
Instrument ID	J
ICAL:	J9935.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-6-07

Date:	4/5/2007
Analyst:	PHILIPB
Batch ID:	MSJ513
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	4/6/2007 12:02:40 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J9927	CC512-10	M119	MSA307	VTO15STD	4		1	NA	Failed
J9928	ICC513-10	M014	MSA304	VTO15STD	2		1	NA	O.K.; BFB
J9929	IC513-40	M014	MSA304	VTO15STD	2		1	NA	O.K.
J9930	IC513-20	M014	MSA304	VTO15STD	2		1	NA	O.K.
J9931	IC513-5	M014	MSA304	VTO15STD	2		1	NA	O.K.
J9932	IC513-2	M024	MSA308	VTO15STD	3		1	NA	O.K.
J9933	IC513-.5	M024	MSA308	VTO15STD	3		1	NA	O.K.
J9934	IC513-.2	M024	MSA308	VTO15STD	3		1	NA	O.K.
J9935	ICV513-10	MS119	MSA307	VTO15STD	4		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA304
Calib STD 2	MSA308
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	J9973.D
Tune File 2	NA
Initial Cal.	4-5-07
ID FILE	J040507T.M
Instrument ID	J
ICAL:	J9935.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-11-07

Date:	4/10/2007
Analyst:	PHILIPB
Batch ID:	msj516
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	4/12/2007 5:37:15 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J9973	CC513-10	M119	MSA307	VTO15STD	4		1	NA	O.K.; BFB
J9973A	BS	M119	MSA307	VTO15STD	4		1	NA	O.K.
J9976	BLK	M049	MS13352	VTO15STD	2		1	NA	Carry over
J9975	MB	M049	MS13352	VTO15STD	2		1	NA	O.K.
J9976	M63914-1	M070	MS13352	VTO15STD	3		1	MC019	Re-run 50X
J9977	M-1	M049	MS13352	VTO15STD	3		1	NA	O.K.
J9978	M63314-1	D032	MS13352	VTO15STD	3		50	MC019	Re-run 250X
J9979	M63314-1	D032	MS13352	VTO15STD	3		250	MC019	Report with J9976.D & J9978.D
J9980	M63314-2	M039	MS13352	VTO15STD	4		10	MC030	Re-run 100X
J9981	M63314-3	M047	MS13352	VTO15STD	5		10	MC094	Re-run 100X
J9982	M63314-4	M141	MS13352	VTO15STD	6		10	MC008	Re-run 2X
J9983	M63314-5	M069	MS13352	VTO15STD	7		10	MC049	Re-run 2X
J9984	M63314-5	M069	MS13352	VTO15STD	7		10	MC049	Run not reported
J9985	M63317-1	M100	MS13352	VTO15STD	8		10	MC016	O.K.
J9986	M-2	M042	MS13352	VTO15STD	9		1	NA	O.K.
J9987	M-3	M008	MS13352	VTO15STD	10		1	NA	O.K.
J9988	M-4	M015	MS13352	VTO15STD	11		1	NA	O.K.
J9989	M-5	M038	MS13352	VTO15STD	12		1	NA	O.K.
J9990	M-6	M066	MS13352	VTO15STD	13		1	NA	O.K.
J9991	BLK	M041	MS13352	VTO15STD	14		1	NA	O.K.
J9992	M-7	M121	MS13352	VTO15STD	15		1	NA	O.K.
J9993	M-8	M142	MS13352	VTO15STD	16		1	NA	O.K.
J9994	M63917-1DUP	M100	MS13352	VTO15STD	8		1	MC016	O.K.
J9995	M63915-1	M153	MS13352	VTO15STD	9		1	MC032	ISTD #2 Low; re-run
J9996	BLK	M041	MS13352	VTO15STD	14		1	NA	O.K.

ACCUTEST. Laboratories M64501

Standard Lot #	
Calib STD 1	MSA304
Calib STD 2	MSA308
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	J9999.D
Tune File 2	NA
Initial Cal.	4-5-07
ID FILE	J040507T.
Instrument ID	J
ICAL:	J9935.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-12-07

Date:	4/11/2007
Analyst:	PHILIPB
Batch ID:	MSJ517
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	4/12/2007 5:38:11 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J9997	BLK	NA	NA	VTO15STD	1		1	NA	DRY RUN
J9998	CC513-10	M119	MSA307	VTO15STD	1		1	NA	Can not attached/leaking; re-run
J9999	CC513-10	M119	MSA307	VTO15STD	1		1	NA	O.K.; BFB
J9999A	BS	M119	MSA307	VTO15STD	1		1	NA	O.K.
J10000	BLK	M125	MS13358	VTO15STD	2		1	NA	ISTD#1 Low
J10001	MB	M125	MS13358	VTO15STD	2		1	NA	O.K.
J10002	M63914-4	M141	MS13358	VTO15STD	3		2	MC008	O.K.
J10003	M63914-4DUP	M141	MS13358	VTO15STD	3		2	MC008	O.K.
J10004	M63914-5	M069	MS13358	VTO15STD	4		2	MC049	Re-run straight
J10005	M63915-1	M153	MS13358	VTO15STD	5		1	MC032	O.K.
J10006	M63914-2	D030	MS13352	VTO15STD	6		100	MC030	Report with J9980.D
J10007	M63914-3	D029	MS13352	VTO15STD	7		100	MC094	Report with J9981.D
J10008	M63693-2R	M059	MS13358	VTO15STD	8		1	MC063	O.K.
J10009	M63694-1R	M148	MS13358	VTO15STD	9		1	MC064	O.K.
J10010	M63695-1R	M086	MS13358	VTO15STD	10		1	MC090	O.K.
J10011	M63585-2R	M045	MS13358	VTO15STD	11		1	MC082	O.K.
J10012	M63914-5	M069	MS13358	VTO15STD	4		1	MC049	O.K.
J10013	BLK	M058	MS13358	VTO15STD	12		1	NA	O.K.
J10014	BLK	M094	MS13358	VTO15STD	13		1	NA	O.K.
J10015	BLK	M058	MS13358	VTO15STD	14		1	NA	O.K.
J10016	BLK	M066	MS13358	VTO15STD	15		1	NA	O.K.
J10017	BLK	M078	MS13358	VTO15STD	16		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA304
Calib STD 2	MSA308
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	J10018.D
Tune File 2	NA
Initial Cal.	4-5-07
ID FILE	J-4-5-7T.M
Instrument ID	J
ICAL:	J9935.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-16-07

Date:	4/13/2007
Analyst:	PHILIPB
Batch ID:	msj518
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/2/2007 11:02:00 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10018	CC513-10	M119	MSA307	VTO15STD	1		1	NA	O.K.; BFB
J10018A	BS	M119	MSA307	VTO15STD	1		1	NA	O.K.
J10019	MB	M138	MS13373	VTO15STD	2		1	NA	O.K.
J10019A	CERT BLK	M138	MS13373	VTO15STD	2		1	NA	O.K.
J10020	M62162-6	M027	MS13373	VTO15STD	3		1	NA	O.K.
J10021	M64022-1	M146	MS13373	VTO15STD	4		10	MC085	Re-run straight
J10022	M64022-1	M146	MS13373	VTO15STD	4		1	MC085	O.K.
J10023	M64022-1DUP	M146	MS13373	VTO15STD	4		1	MC085	O.K.
J10024	M64021-1	M103	MS13373	VTO15STD	5		1	MC092	Re-run 50X
J10025	BLK	M054	MS13373	VTO15STD	6		1	NA	O.K.
J10026	M64021-2	D001	MS13373	VTO15STD	6		1	MC006	O.K.
J10027	M64021-2	D001	MS13373	VTO15STD	6		1	MC006	Dilution not required
J10028	M64021-3	D020	MS13373	VTO15STD	7		1	MC087	Re-run 50X
J10029	M64021-3	D020	MS13373	VTO15STD	7		1	MC087	Report with J10028.D
J10030	M64021-1	D028	MS13373	VTO15STD	5		1	MC092	Re-run 50X
J10031	M64021-1	D028	MS13373	VTO15STD	5		1	MC092	Re-run 500X
J10032	BLK	M170	MS13373	VTO15STD	8		1	NA	O.K.
J10033	CERT BLK	M170	MS13373	VTO15STD	8		1	NA	O.K.
J10034	CERT BLK	M044	MS13373	VTO15STD	9		1	NA	O.K.
J10035	CERT BLK	M061	MS13373	VTO15STD	10		1	NA	O.K.
J10036	CERT BLK	M098	MS13373	VTO15STD	11		1	NA	O.K.
J10037	CERT BLK	M018	MS13373	VTO15STD	12		1	NA	O.K.
J10038	CERT BLK	M092	MS13373	VTO15STD	13		1	NA	O.K.
J10039	CERT BLK	M093	MS13373	VTO15STD	14		1	NA	O.K.
J10040	CERT BLK	M104	MS13373	VTO15STD	15		1	NA	O.K.
J10041	CERT BLK	M114	MS13373	VTO15STD	16		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA304
Calib STD 2	MSA308
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	J10042.D
Tune File 2	NA
Initial Cal.	4-5-07
ID FILE	J040507T.M
Instrument ID	J
ICAL:	J9935.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-17-07

Date: 4/16/2007
Analyst: PHILIPB
Batch ID: MSJ518-1
Matrix: AIR
Approved By: DOUGY
Date Approved: 4/18/2007 10:14:21 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10042	CC513-10	M119	MSA307	VTO15STD	1		1	NA	O.K.; BFB
J10042A	BS1	M119	MSA307	VTO15STD	1		1	NA	O.K.
J10043	MB1	M075	MS13373	VTO15STD	2		1	NA	O.K.
J10044	M64021-1	D028	MS13373	VTO15STD	3		1000	MC087	Report with J10030.D

Standard Lot #	
Calib STD 1	MSA329
Calib STD 2	MSA330
ICV	MSA331
Inter/Surr STD	MSA218
BS/BSD	MSA331

File ID	
Tune File 1	Q3333.D
Tune File 2	NA
Initial Cal.	5-3-07
ID FILE	Q050307T.M
Instrument ID	Q
ICAL:	Q3341A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-4-07

Date:	5/3/2007
Analyst:	PHILIPB
Batch ID:	MSQ180
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/21/2007 5:29:15 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3333	IC180-40	M105	MSA329	VTO15STD	1		1	NA	O.K.; BFB
Q3334	IC180-20	M105	MSA329	VTO15STD	1		1	NA	O.K,
Q3335	ICC180-10	M105	MSA329	VTO15STD	1		1	NA	O.K.
Q3336	IC180-5	M105	MSA329	VTO15STD	1		1	NA	O.K.
Q3337	IC180-2	M105	MSA329	VTO15STD	1		1	NA	O.K.
Q3338	IC180-.5	M057	MSA330	VTO15STD	2		1	NA	O.K.
Q3339	IC180-.2	M057	MSA330	VTO15STD	2		1	NA	O.K.
Q3340	ICV180-10	M148	MSA331	VTO15STD	3		1	NA	Gases low; possible trap temp error; Re-run.

Standard Lot #	
Calib STD 1	MSA329
Calib STD 2	MSA330
ICV	MSA331
Inter/Surr STD	MSA218
BS/BSD	MSA331

File ID	
Tune File 1	Q3341.D
Tune File 2	NA
Initial Cal.	5-3-07
ID FILE	Q050307T.M
Instrument ID	
ICAL:	Q3341A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-7-07

Date:	5/4/2007
Analyst:	PHILIPB
Batch ID:	MSQ181
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/21/2007 5:29:38 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
3341	CC180-10	M148	MSA331	VTO15STD	3		1	NA	O.K.: BFB
3341A	ICV180-10	M148	MSA331	VTO15STD	3		1	NA	O.K.
3341B	BS	M148	MSA331	VTO15STD	3		1	NA	O.K.
3342	MB	M116	MS13500	VTO15STD	4		1	NA	O.K.
3343	M64501-1	M042	MS13500	VTO15SL	5		1	MC061	O.K.
3344	M64501-1DUP	M042	MS13500	VTO15SL	5		1	MC061	O.K.
3345	M64501-2	M142	MS13500	VTO15SL	6		1	MC049	O.K.
3346	M64501-3	M068	MS13500	VTO15SL	7		1	MC065	O.K.
3347	M64501-4	M125	MS13500	VTO15SL	8		1	MC040	O.K.
3348	M64501-5	M114	MS13500	VTO15SL	9		1	MC027	Temp. control fualt on 7100; re-run.
3349	M64501-6	M066	MS13500	VTO15SL	10		1	MC008	O.K.
3350	M64501-7	M044	MS13500	VTO15SL	11		1	MC059	O.K.
3351	M64501-8	M098	MS13500	VTO15SL	12		1	MC028	O.K.
3352	M64501-9	M170	MS13500	VTO15SL	13		1	MC032	O.K.
3353	M64501-5	M114	MS13500	VTO15SL	9		1	MC027	O.K.