Sequence Name: C:\msdchem\1\sequence\052814.s
Comment:
Operator: [redacted]
Data Path: C:\MSDCHEM\1\DATA\[redacted]\RP1581\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info
1)	Sample	1	Blank
	Datafile		052814_001
	Method		[redacted]RP1581
2)	Sample	2	DFTPP
	Datafile		052814_002
	Method		[redacted]RP1581
3)	Sample	3	CCV1
	Datafile		052814_003
	Method		[redacted]RP1581
4)	Sample	4	N405006-01
	Datafile		052814_004
	Method		[redacted]_RP1581
5)	Sample	5	N405006-01DUP1
	Datafile		052814_005
	Method		[redacted]RP1581
6)	Sample	6	N405006-01DUP2
	Datafile		052814_006
	Method		[redacted]_RP1581
7)	Sample	7	N405006-01MS1
	Datafile		052814_007
	Method		[redacted]RP1581
8)	Sample	8	N405006-07
	Datafile		052814_008
	Method		[redacted]RP1581
9)	Sample	9	N405006-11
	Datafile		052814_009
	Method		[redacted]RP1581
10)	Sample	10	N405006-04
	Datafile		052814_010
	Method		[redacted]RP1581
11)	Sample	11	N405006-01RE1
	Datafile		052814_011
	Method		[redacted]RP1581
12)	Sample	12	N405006-07RE1
	Datafile		052814_012
	Method		[redacted]RP1581
13)	Sample	13	N405006-11RE1
	Datafile		052814_013
	Method		[redacted]_RP1581
14)	Sample	14	N405006-04RE1
	Datafile		052814_014
	Method		[redacted]1581
15)	Sample	15	CCV2
	Datafile		052814_015
	Method		[redacted]_RP1581
16)	Sample	16	Blank Extraction
	Datafile		052814_016
	Method		[redacted]_RP1581
17)	Sample	17	N405006-02AEXT
	Datafile		052814_017
	Method		[redacted]RP1581
18)	Sample	18	N405006-02BEXT
	Datafile		052814_018
	Method		[redacted]RP1581
19)	Sample	19	N405006-02CEXT
	Datafile		052814_019

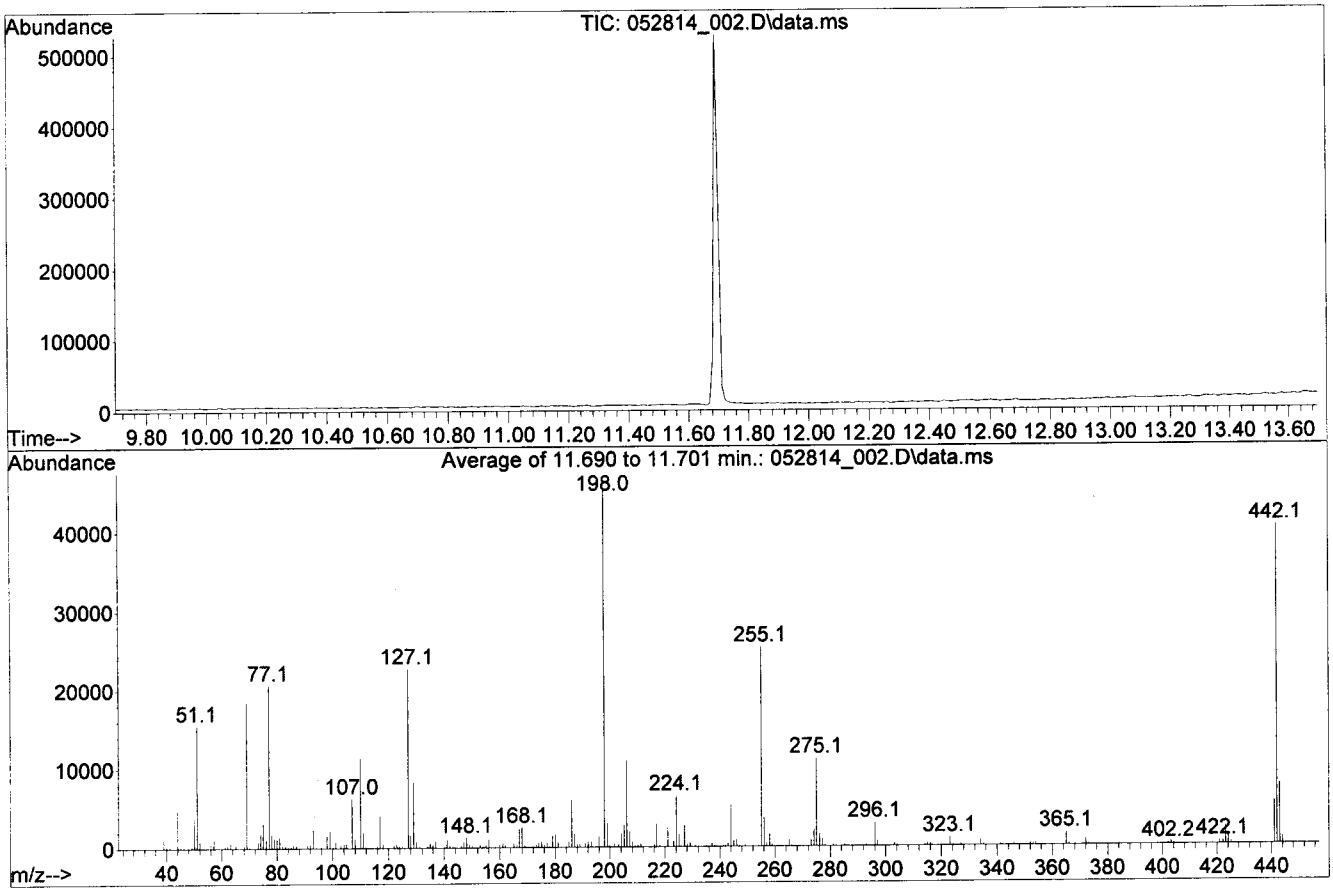
```
     Method              (b) (7) RP1581
20)  Sample         20   N405006-10EXT
     Datafile            052814_020
     Method              (b) (7) RP1581
                         (C)
21)  Sample         21   N405006-12EXT
     Datafile            052814_021
     Method              (b) (7) RP1581
22)  Sample         22   N405006-08EXT
     Datafile            052814_022
     Method              (b) (7) RP1581
23)  Sample         23   N405006-09EXT
     Datafile            052814_023
     Method              (b) (7) RP1581
                         (C)
```

DFTPP

Data Path : C:\msdchem\1\DATA(b) (7)(C) \RP1581\
Data File : 052814_002.D
Acq On : 28 May 2014 5:05 pm
Operator : (b) (7)(C)
Sample : DFTPP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\(b) (7)(C) RP1581.M
Title : Freedom Industies
Last Update : Tue May 20 13:58:02 2014



Spectrum Information: Average of 11.690 to 11.701 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.1	15495	PASS
68	69	0.00	2	1.8	338	PASS
69	198	0.00	100	40.7	18472	PASS
70	69	0.00	2	0.5	99	PASS
127	198	40	60	50.1	22731	PASS
197	198	0.00	1	0.3	126	PASS
198	198	100	100	100.0	45380	PASS
199	198	5	9	6.8	3071	PASS
275	198	10	30	24.5	11097	PASS
365	198	1	100	3.6	1614	PASS
441	443	0.01	100	71.4	5513	PASS
442	198	40	100	89.1	40412	PASS
443	442	17	23	19.1	7720	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) [redacted] RP1581\
Data File : 052814_001.D
Acq On : 28 May 2014 4:36 pm
Operator : (b) (6), [redacted]
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 12:07:39 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) (C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

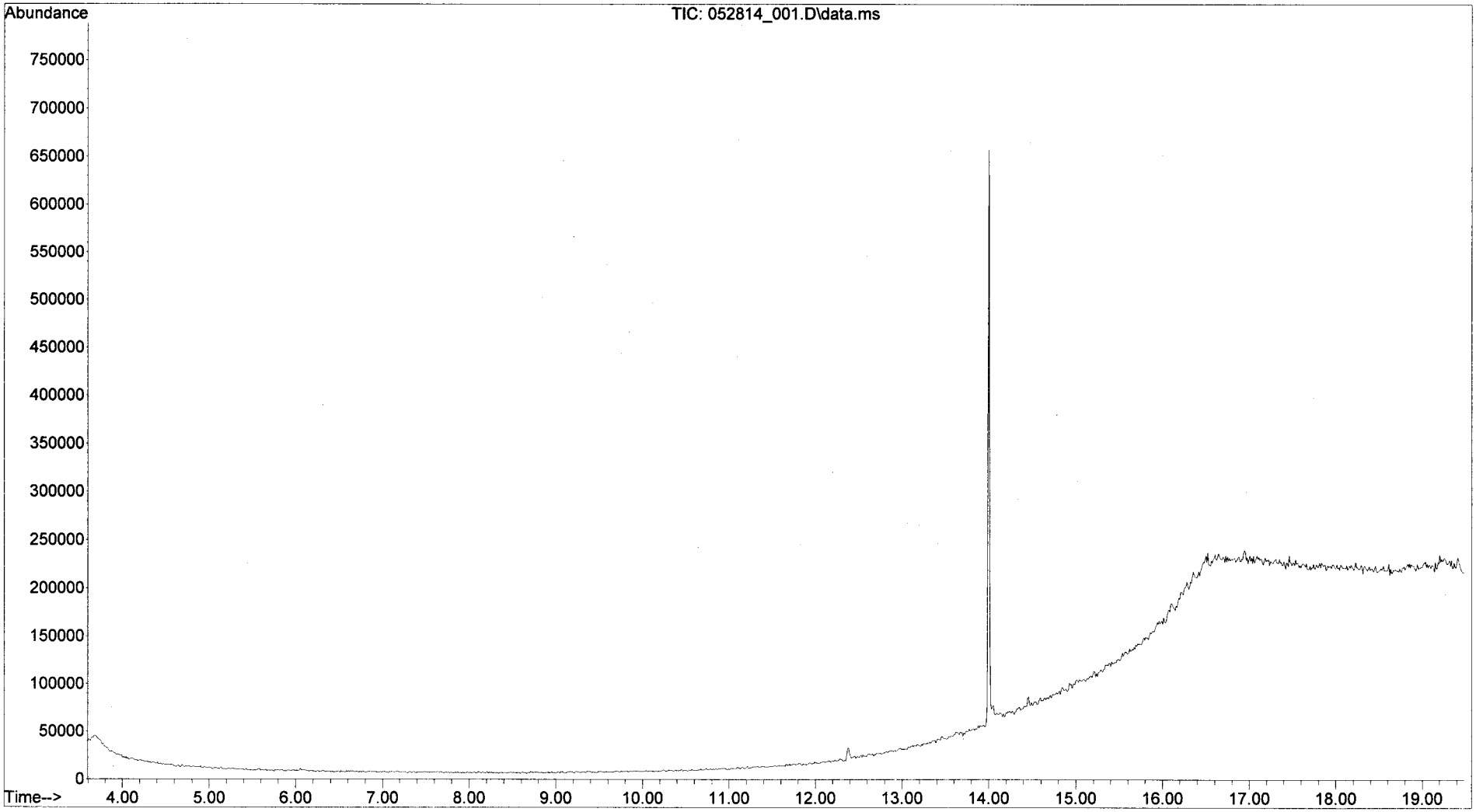
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	0.000		0	N.D.	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C)\RP1581\
Data File : 052814_001.D
Acq On : 28 May 2014 4:36 pm
Operator : (b) (7)
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 12:07:39 2014
Quant Method : C:\msdchem\1\METHODS\(b) (7)(C)\RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_002.D
Acq On : 28 May 2014 5:05 pm
Operator : (b) (7)
Sample : DFTPP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 12:08:39 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) (C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

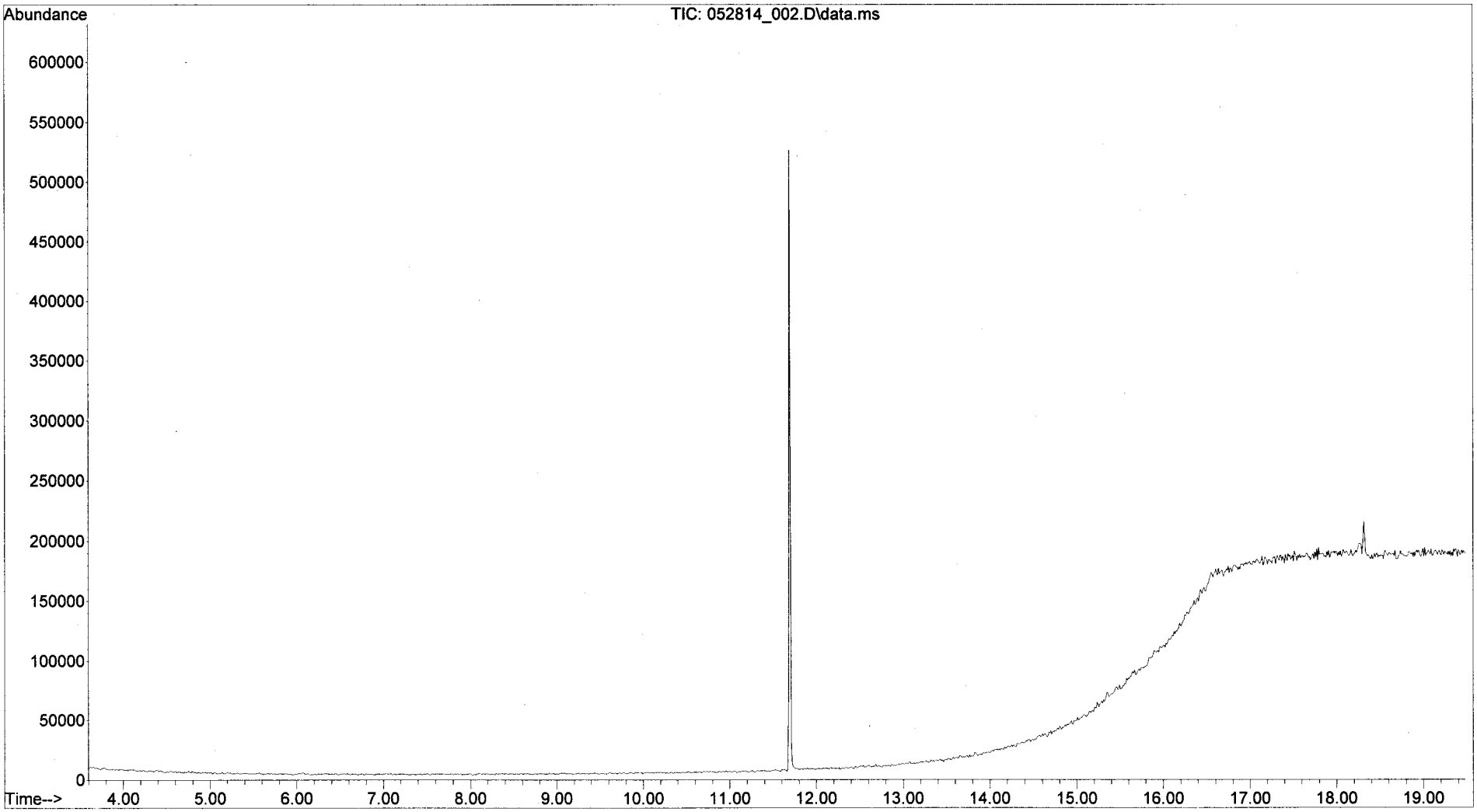
Compound	(b) (7)(C)		Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	0.000		0	N.D.	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7) (C) \RP1581\
Data File : 052814_002.D
Acq On : 28 May 2014 5:05 pm
Operator : (b) (7)
Sample : DFTPP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 12:08:39 2014
Quant Method : C:\msdchem\1\METHODS(b) (7) (C) \RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\
Data File : 052814_003.D
Acq On : 28 May 2014 5:35 pm
Operator : [redacted] (b) (7) (C)
Sample : [redacted]
Misc : 50 ug/mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 12:45:35 2014
Quant Method : C:\msdchem\1\METHODS\[redacted] (b) (7)(C) P1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

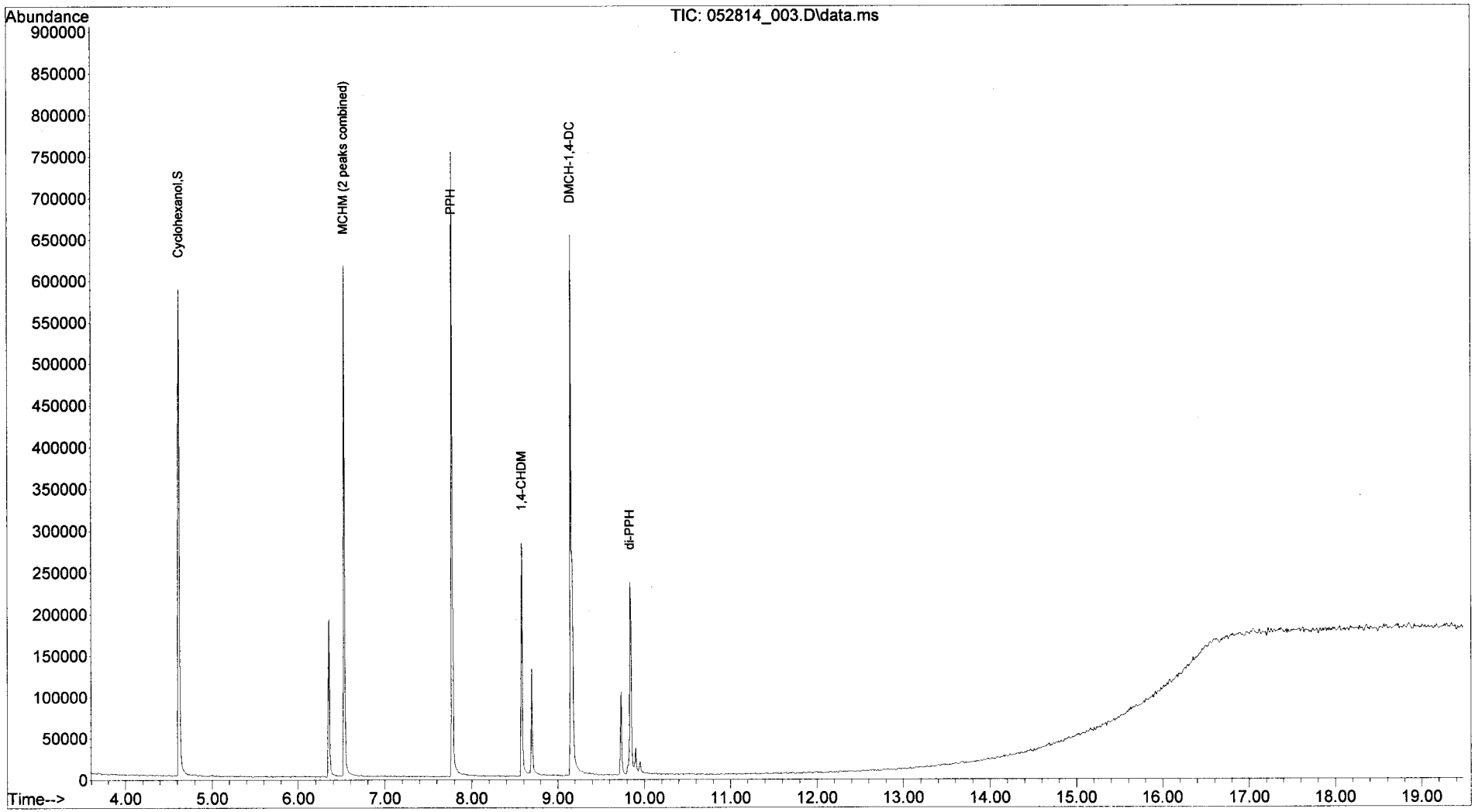
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	181614	56.30 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.530	55	177511m	45.23 ug/mL	
3) PPH	7.774	94	229624	46.98 ug/mL	96
4) 1,4-CHDM	8.582	95	94508m	47.41 ug/mL	
5) DMCH-1,4-DC	9.152	81	161633	50.95 ug/mL#	90
6) di-PPH	9.836	59	111289m	52.23 ug/mL	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) \RP1581\
Data File : 052814_003.D
Acq On : 28 May 2014 5:35 pm
Operator : (b) (7)
Sample : CCV1
Misc : 50 ug/mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 12:45:35 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C) RP1581\
Data File : 052814_004.D
Acq On : 28 May 2014 6:05 pm
Operator : (b) (7)
Sample : N405006-01
Misc : 10 uL sample
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 12:50:15 2014
Quant Method : C:\msdchem\1\METHODS\(b) (7)(C) P1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

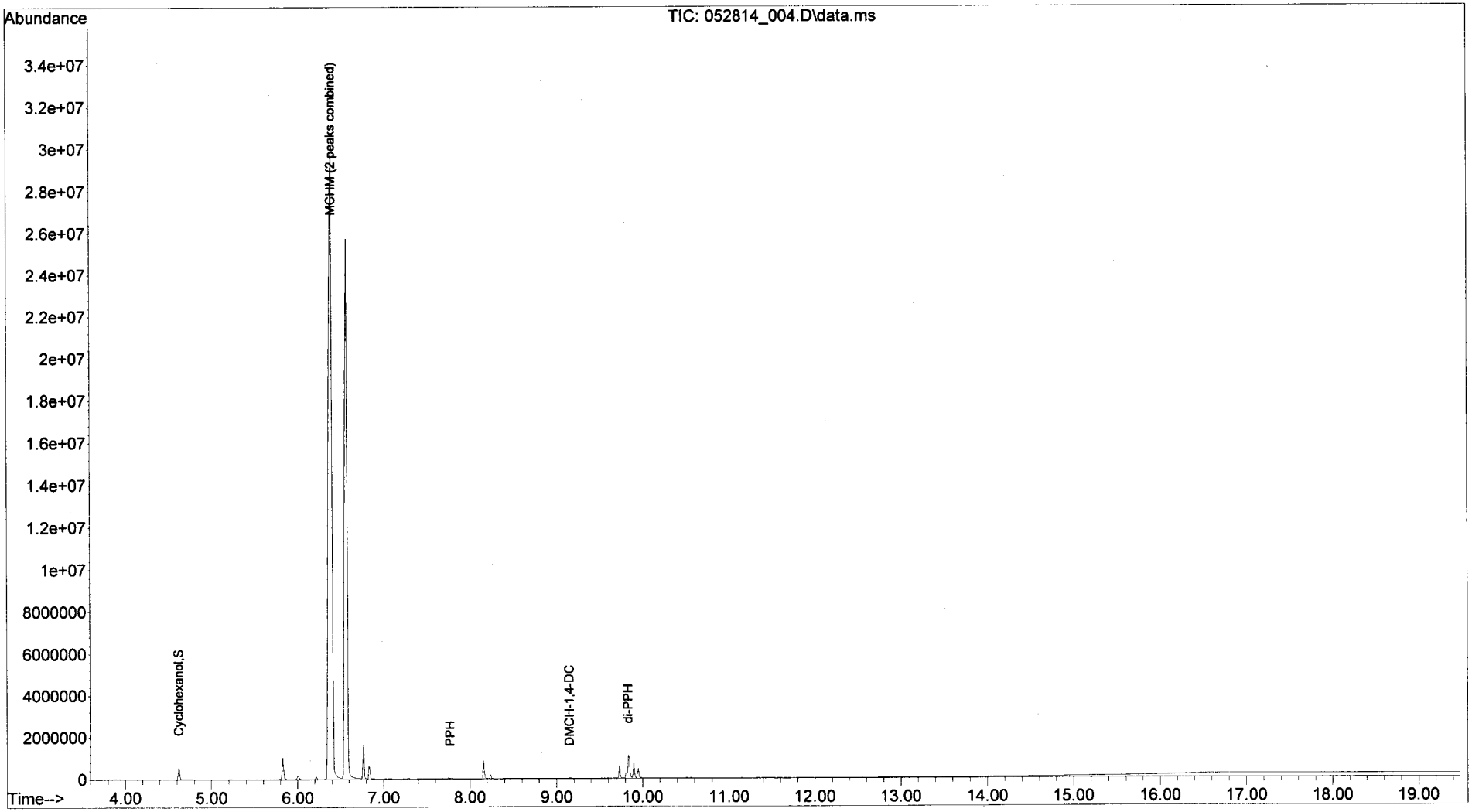
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	169883	52.67 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.406	55	30575340m	7335.42 ug/mL	
3) PPH	7.774	94	16771m	7.30 ug/mL	
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	10678m	6.16 ug/mL	
6) di-PPH	9.836	59	768475m	345.34 ug/mL	

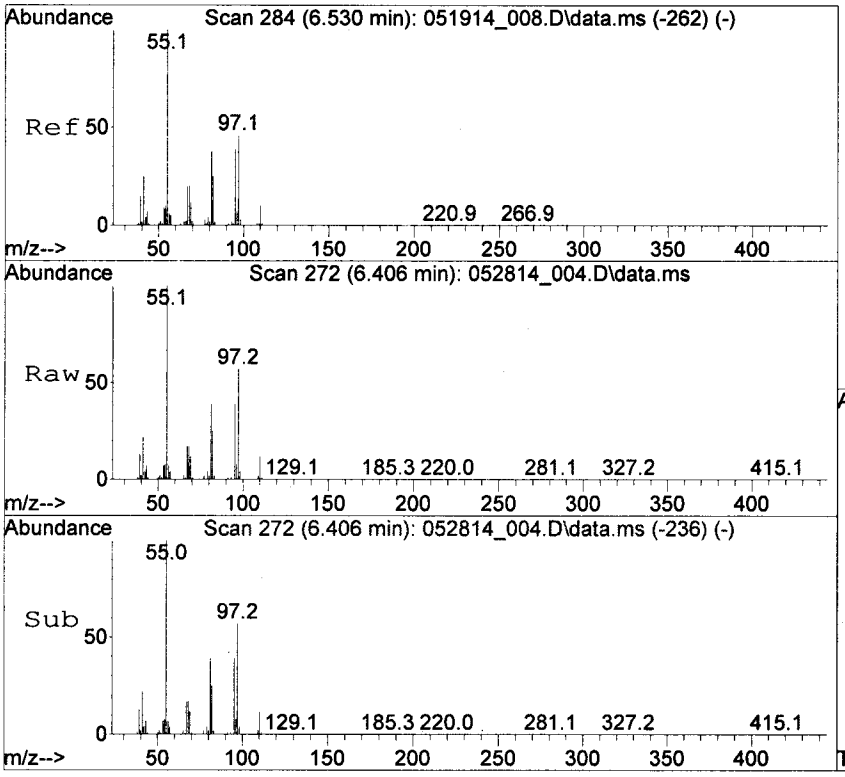
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted]P1581\
Data File : 052814_004.D
Acq On : 28 May 2014 6:05 pm
Operator [redacted]
Sample : N405006-01
Misc : 10 uL sample
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 12:50:15 2014
Quant Method : C:\msdchem\1\METHODS\[redacted]_RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

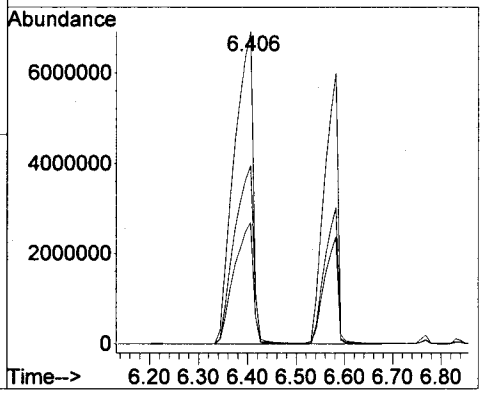


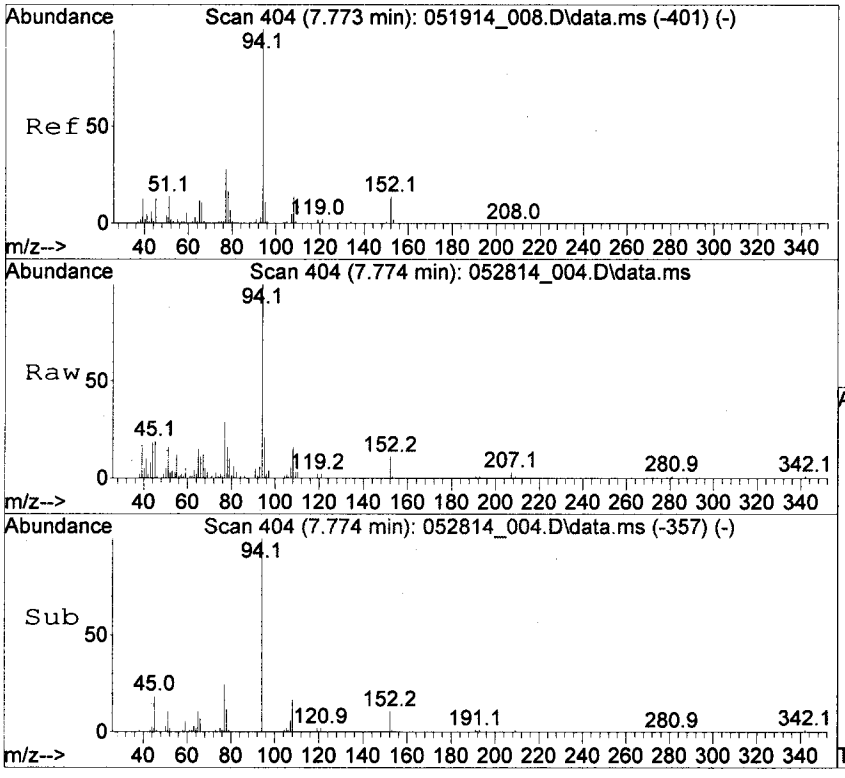


#2
MCHM (2 peaks combined)
Concen: 7335.42 ug/mL m
RT: 6.406 min Scan# 272
Delta R.T. -0.124 min
Lab File: 052814_004.D
Acq: 28 May 2014 6:05 pm

Tgt Ion: 55 Resp:30575340

Ion	Ratio	Lower	Upper
55	100		
97	19.0	31.5	47.3#
81	15.0	24.2	36.4#

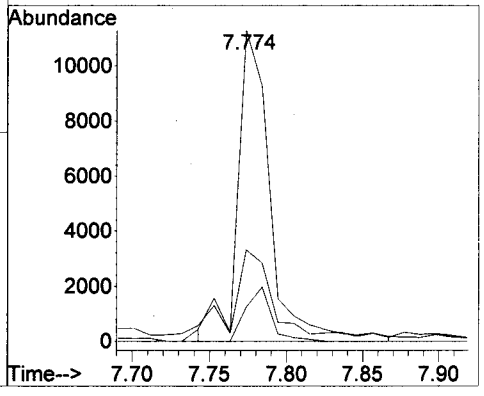


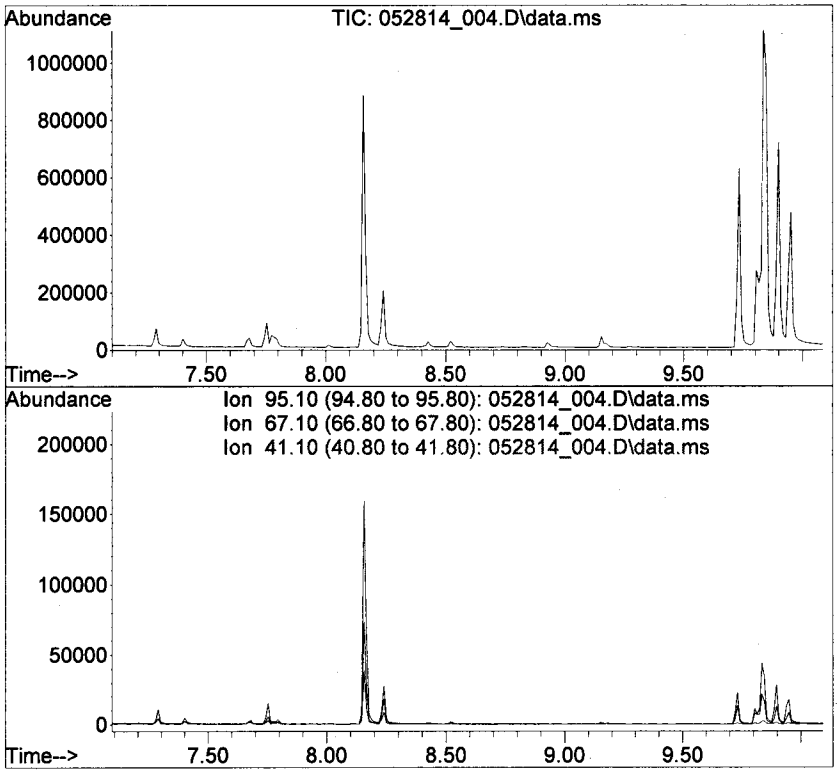


#3
PPH
Concen: 7.30 ug/mL m
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 052814_004.D
Acq: 28 May 2014 6:05 pm

Tgt Ion: 94 Resp: 16771

Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#



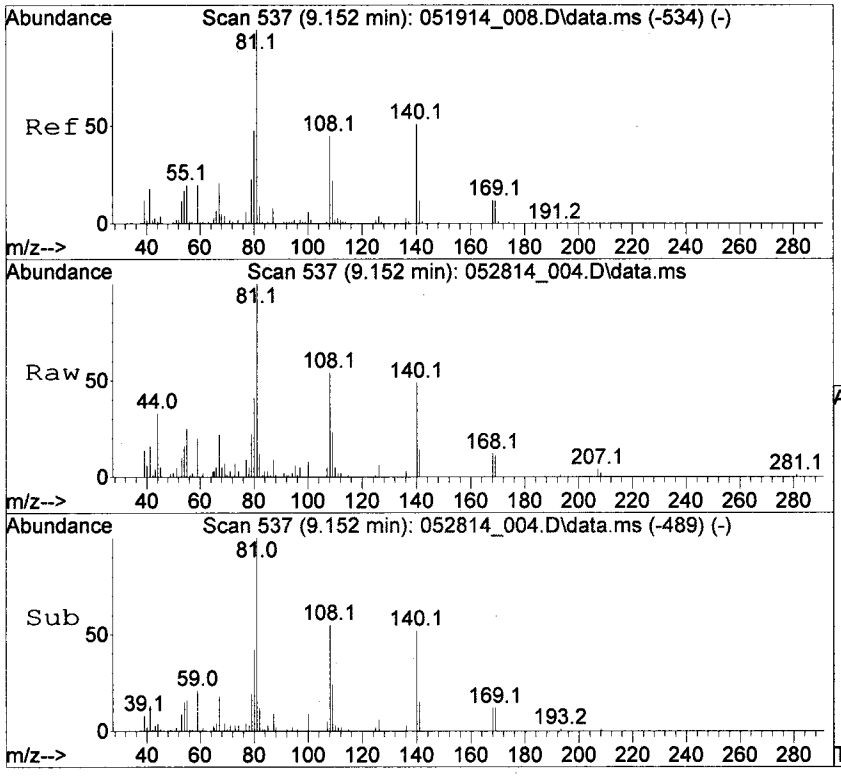


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_004.D
Acq: 28 May 2014 6:05 pm

Tgt Ion: 95

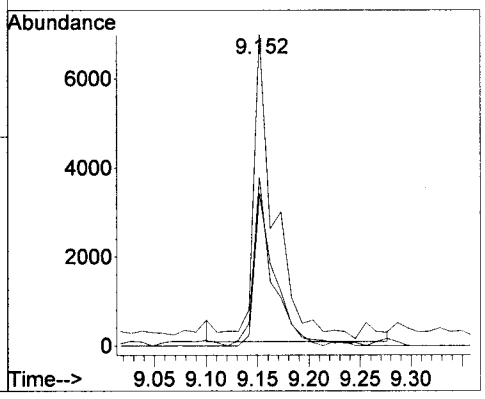
Sig	Exp Ratio
95	100
67	41.4
41	53.2

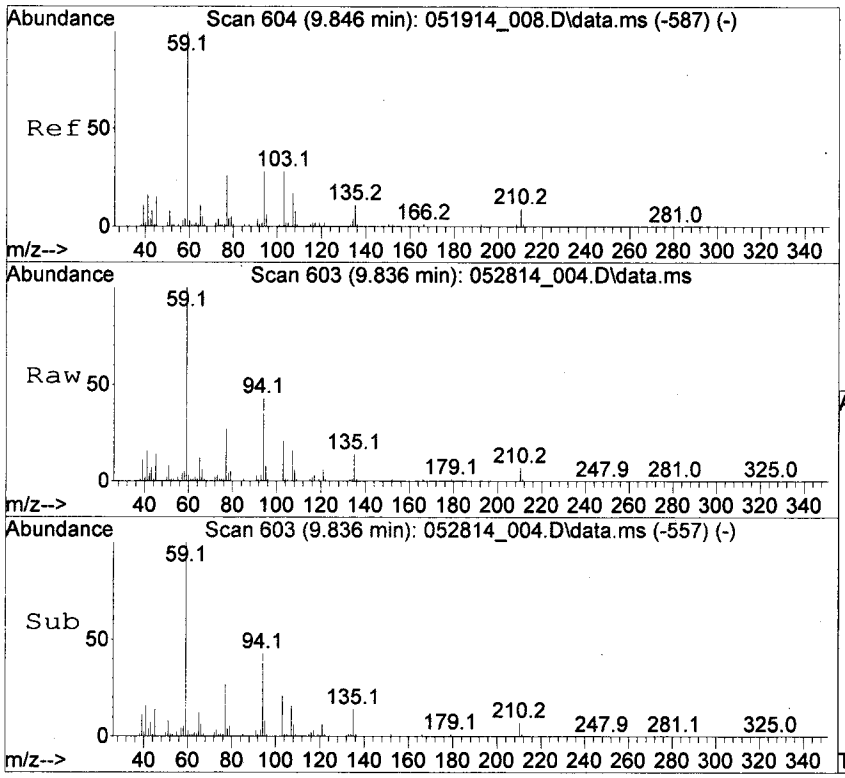


#5
DMCH-1,4-DC
Concen: 6.16 ug/mL m
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_004.D
Acq: 28 May 2014 6:05 pm

Tgt Ion: 81 Resp: 10678

Ion	Ratio	Lower	Upper
81	100		
108	0.0	29.0	43.4#
140	0.0	50.9	76.3#

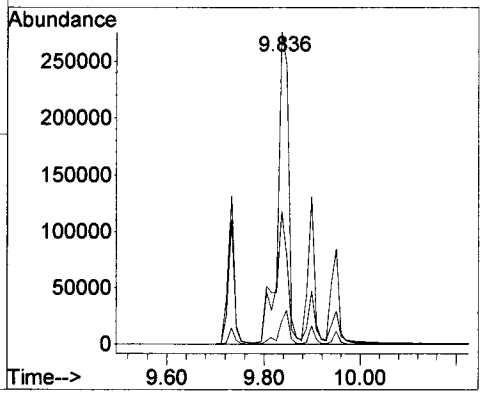




#6
di-PPH
Concen: 345.34 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 052814_004.D
Acq: 28 May 2014 6:05 pm

Tgt Ion: 59 Resp: 768475

Ion	Ratio	Lower	Upper
59	100		
94	29.5	24.0	36.0
210	5.4	7.2	10.8#

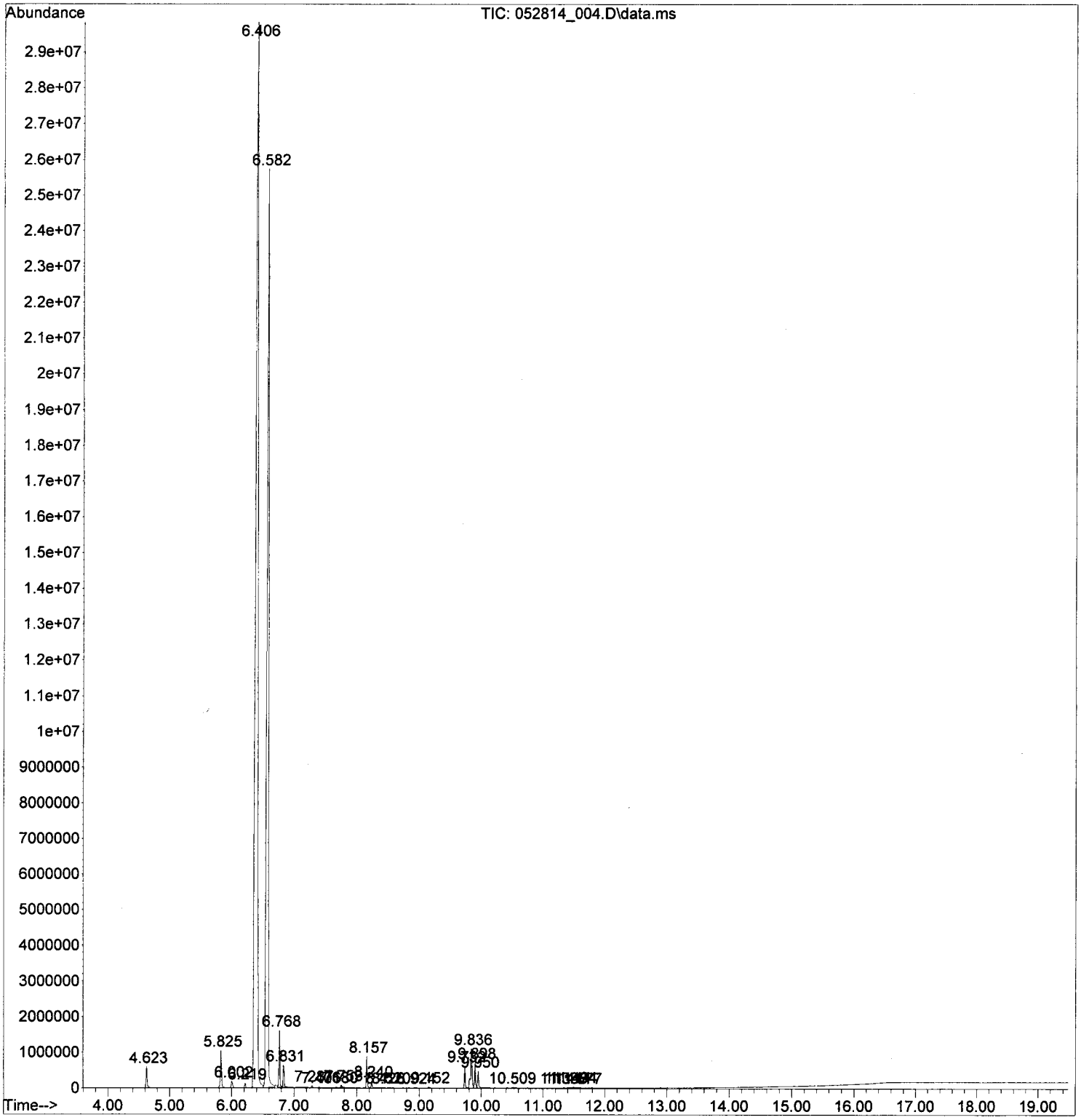


Library Search Report

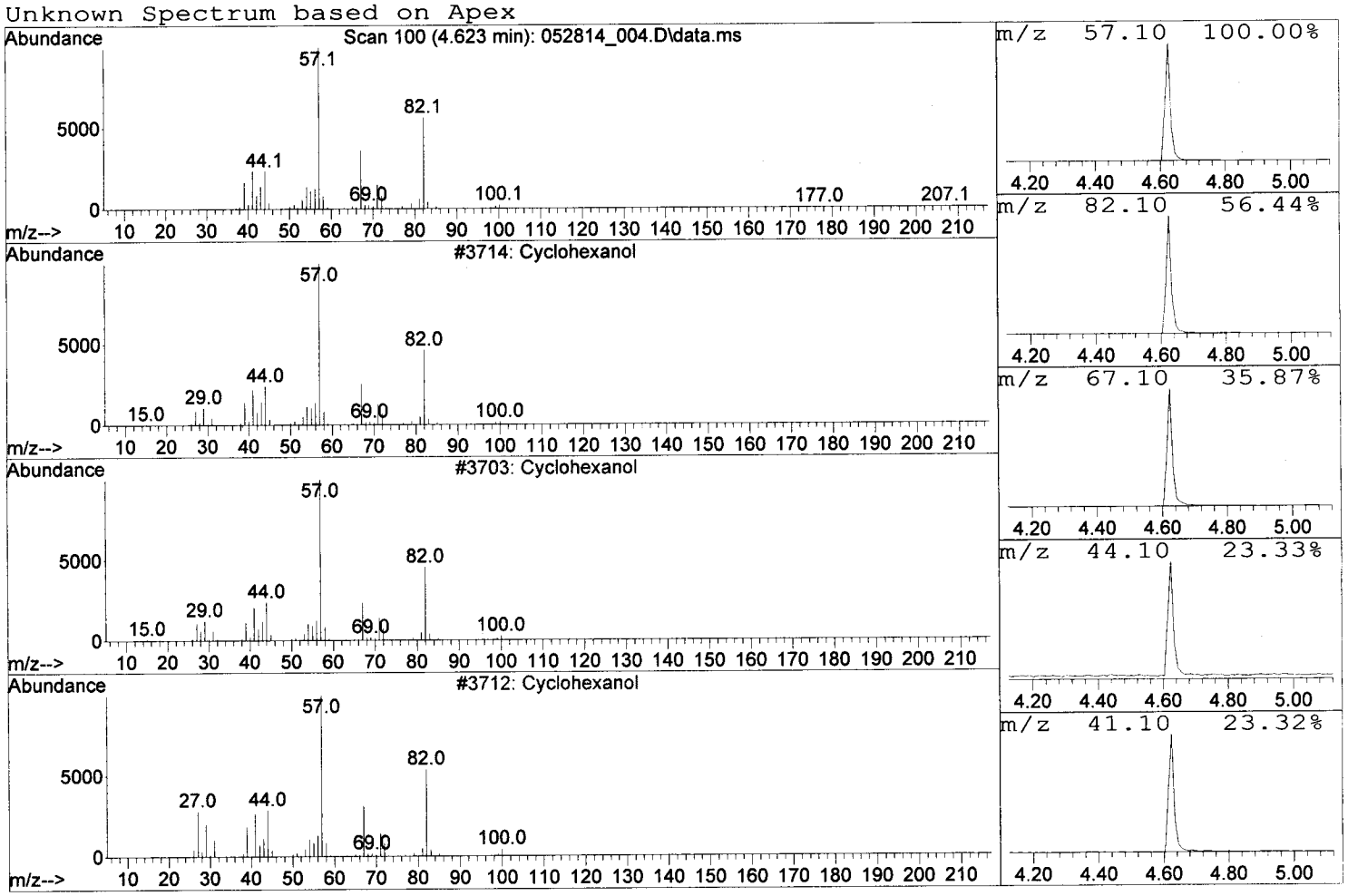
Data Path : C:\msdchem\1\DATA\[redacted]\RP1581\
Data File : 052814_004.D
Acq On : 28 May 2014 6:05 pm
Operator : [redacted]
Sample : N405006-01
Misc : 10 uL sample
ALS Vial : 4 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p



Unknown Spectrum based on Apex



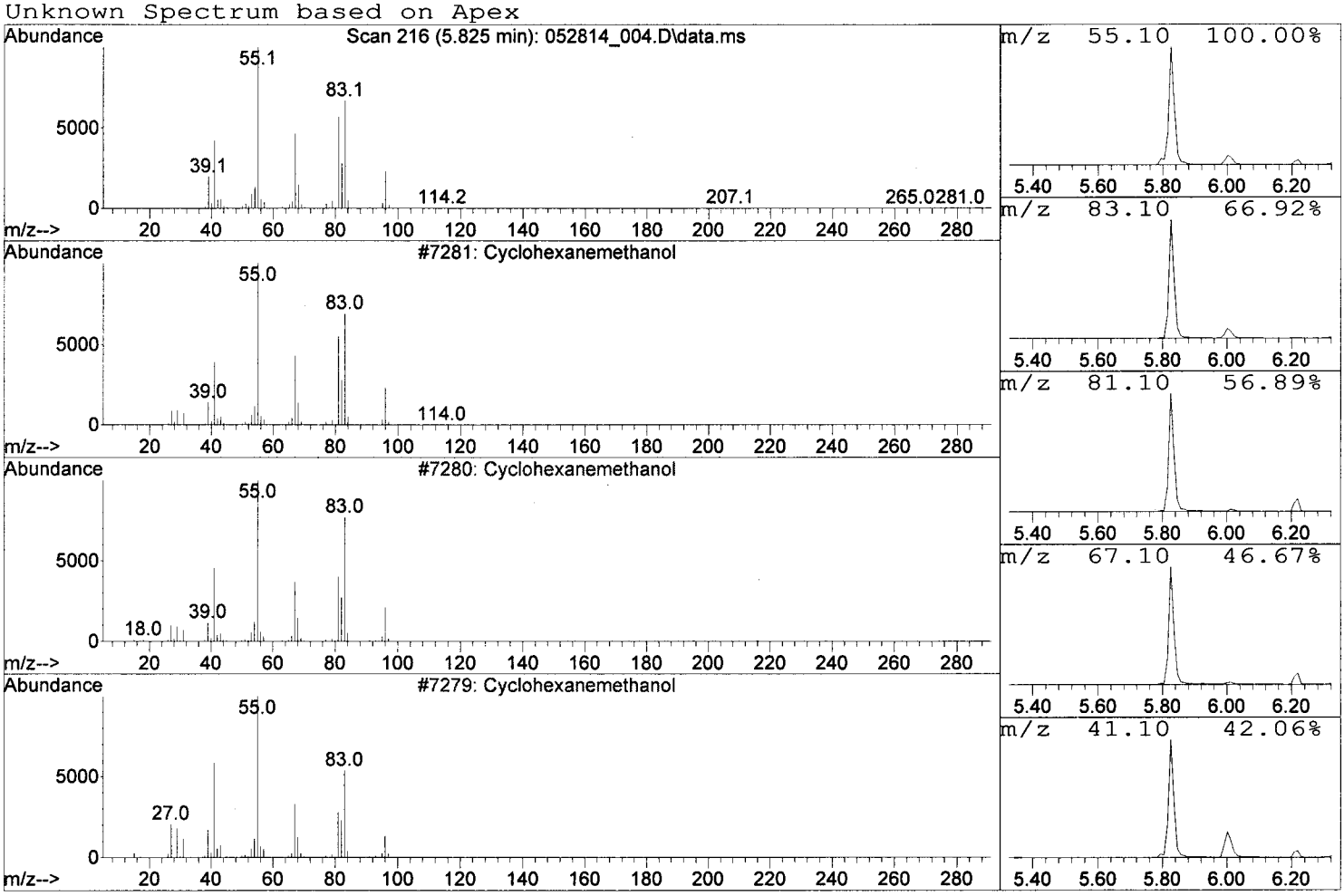
Data File: C:\msdchem\1\DAT[redacted] (b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 1 at 4.623 min Area: 687716 Area % 0.48

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Cyclohexanol	3714	000108-93-0	95
2 Cyclohexanol	3703	000108-93-0	94
3 Cyclohexanol	3712	000108-93-0	91

Library Search Report - RTE Integrator

Unknown Spectrum based on Apex

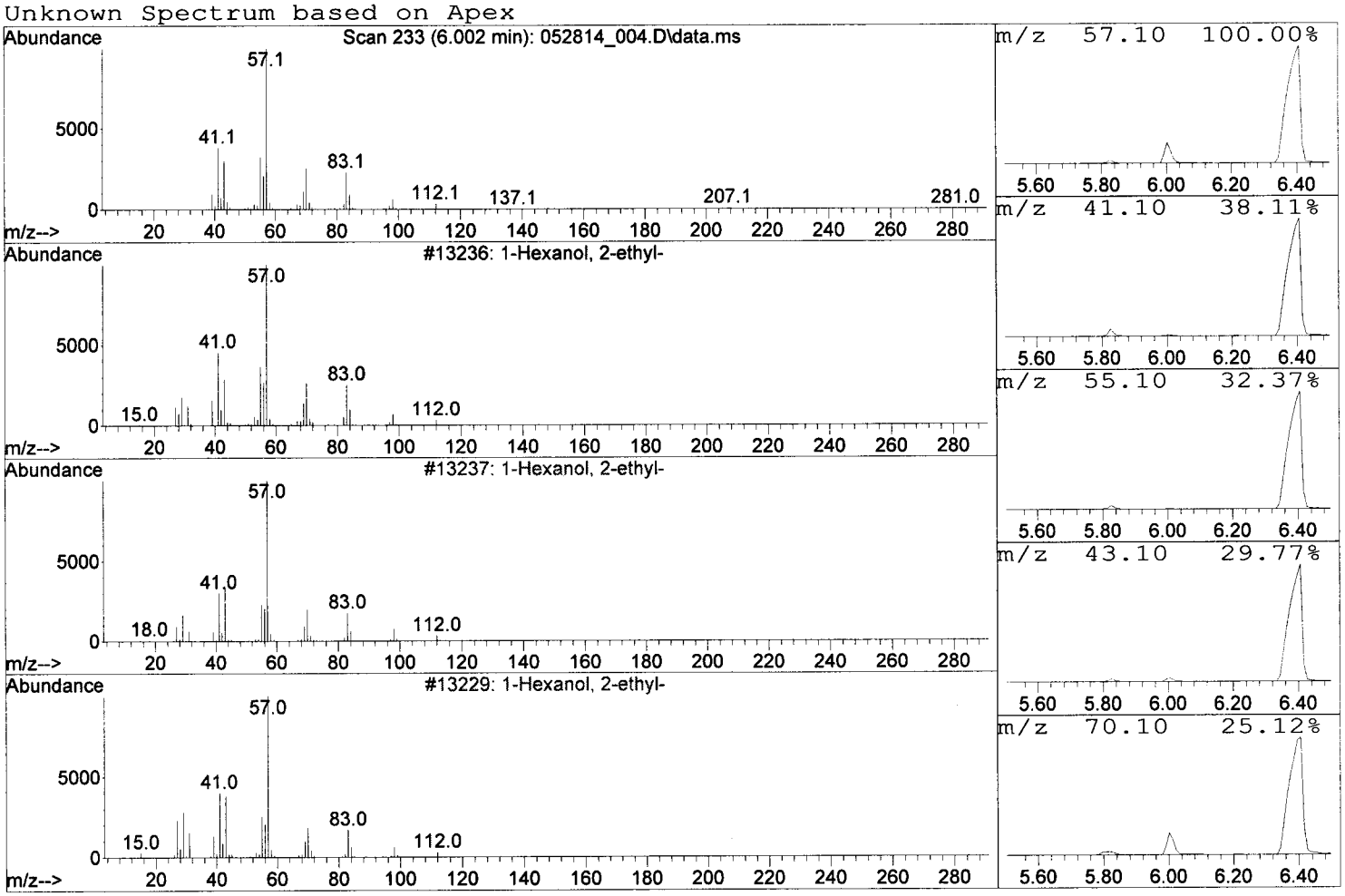


Data File: C:\msdchem\1\DATA[redacted]\RP1581\052814_004.D (b) (7)(C)
Sample : N405006-01

Peak Number: 2 at 5.825 min Area: 1282596 Area % 0.90

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Cyclohexanemethanol	7281	000100-49-2	91
2 Cyclohexanemethanol	7280	000100-49-2	90
3 Cyclohexanemethanol	7279	000100-49-2	78

Unknown Spectrum based on Apex

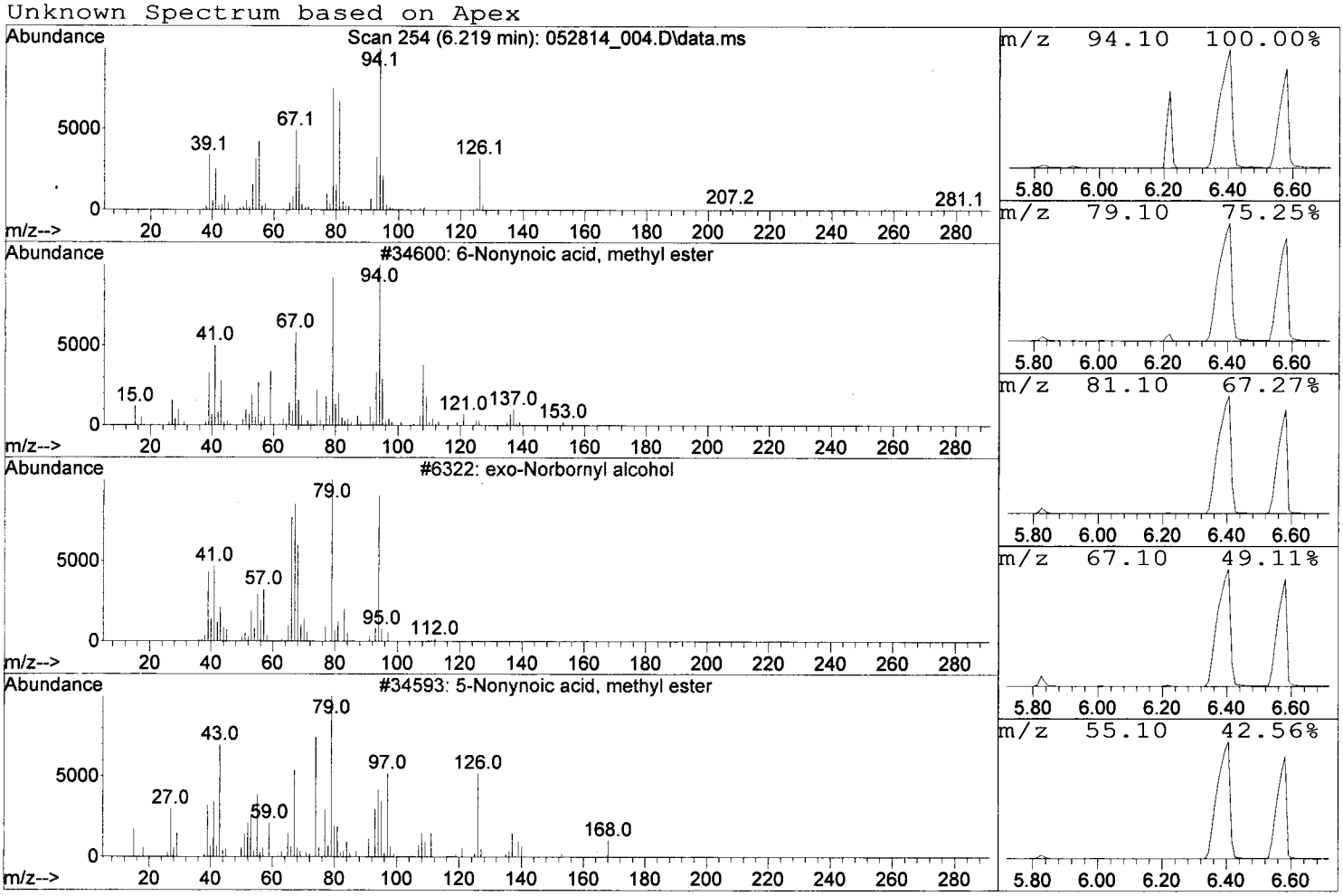


Data File: C:\msdchem\1\DATA\[redacted]P1581\052814_004.D
Sample : N405006-01

Peak Number: 3 at 6.002 min Area: 296735 Area % 0.21

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1-Hexanol, 2-ethyl-	13236	000104-76-7	90
2 1-Hexanol, 2-ethyl-	13237	000104-76-7	83
3 1-Hexanol, 2-ethyl-	13229	000104-76-7	83

Unknown Spectrum based on Apex

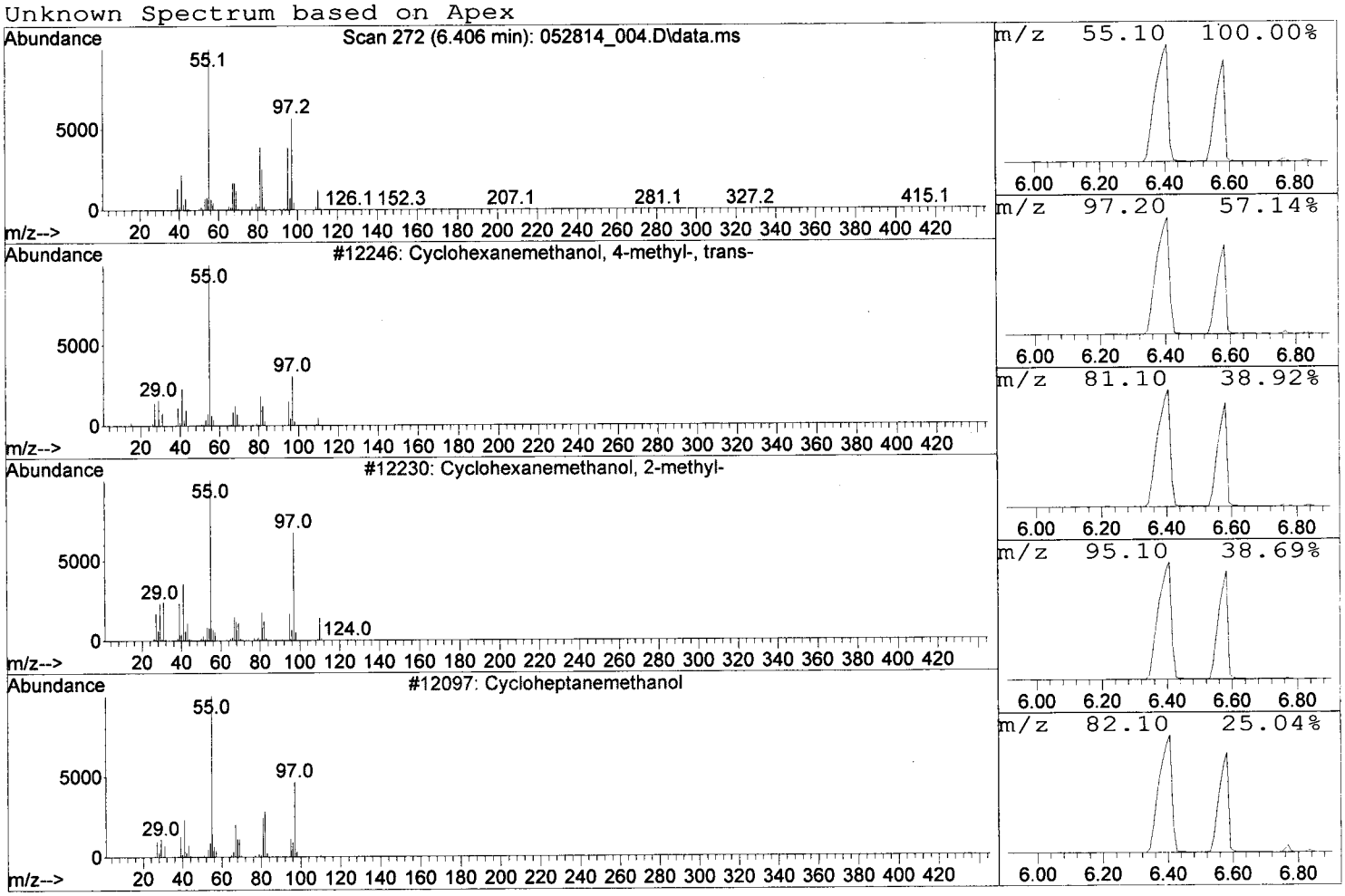


Data File: C:\msdchem\1\DATA\[redacted] (b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 4 at 6.219 min Area: 143145 Area % 0.10

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 6-Nonynoic acid, methyl ester	34600	020731-17-3	59
2 exo-Norbornyl alcohol	6322	000497-37-0	53
3 5-Nonynoic acid, methyl ester	34593	020731-16-2	47

Unknown Spectrum based on Apex



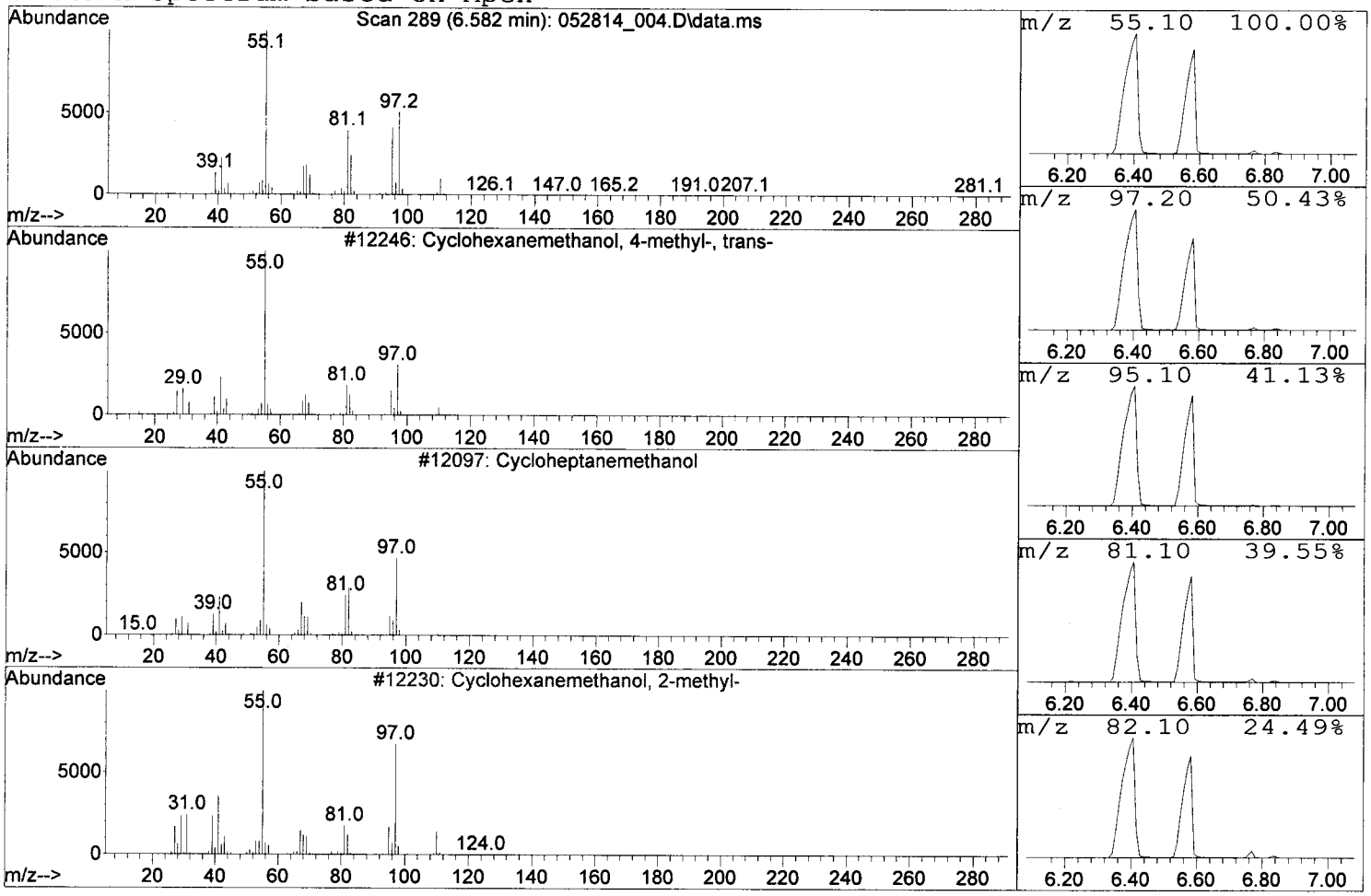
Data File: C:\msdchem\1\DATA[redacted]RP1581\052814_004.D (b) (7)(C)
Sample : N405006-01

Peak Number: 5 at 6.406 min Area: 81411866 Area % 57.01

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Cyclohexanemethanol, 4-methyl-, ...	12246	003937-49-3	72
2 Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
3 Cycloheptanemethanol	12097	004448-75-3	53

Library Search Report - RTE Integrator

Unknown Spectrum based on Apex

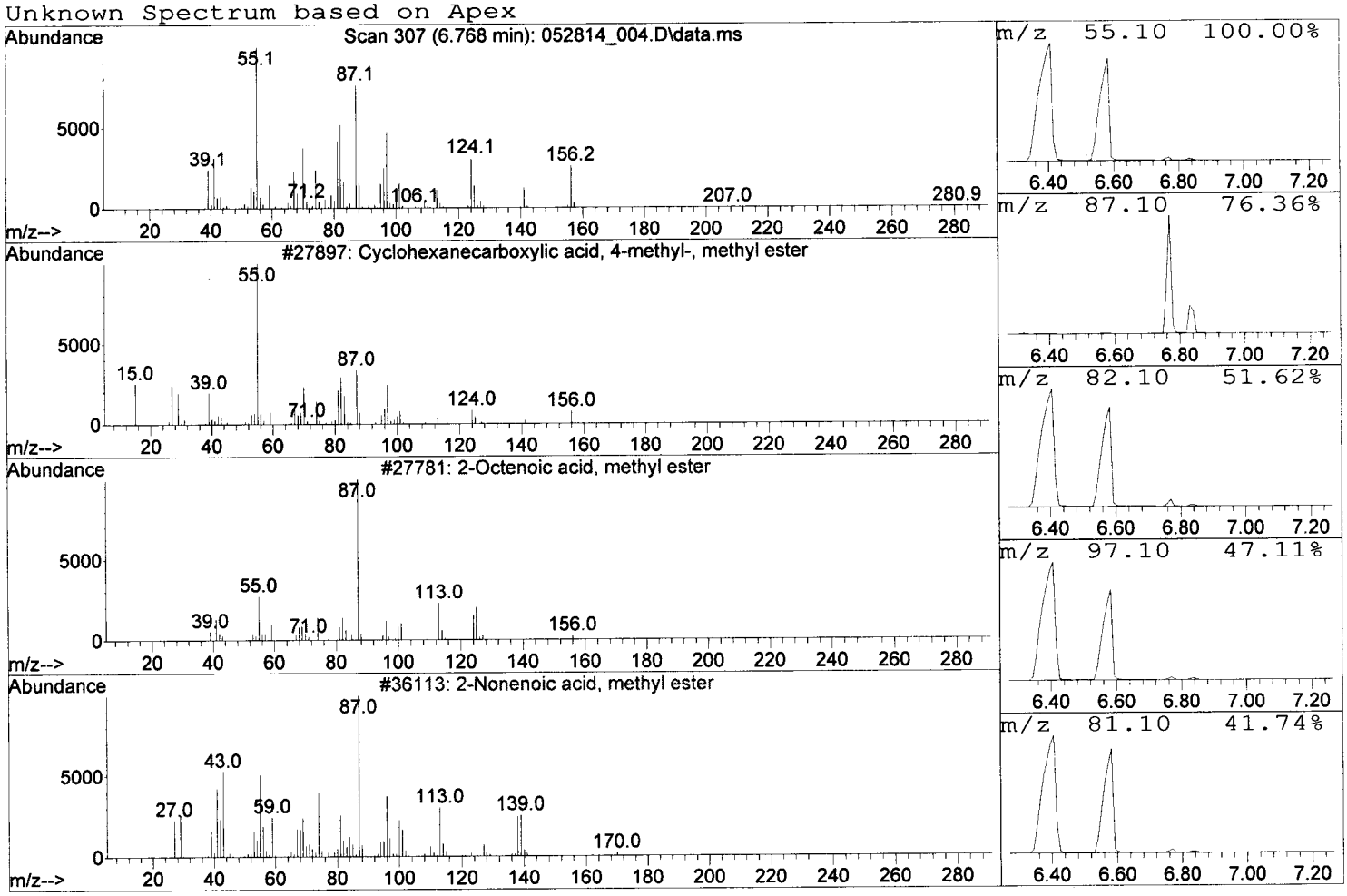


Data File: C:\msdchem\1\DAT[redacted] (b) (7)(C) P1581\052814_004.D
Sample : N405006-01

Peak Number: 6 at 6.582 min Area: 51053511 Area % 35.75

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Cyclohexanemethanol, 4-methyl-, ...	12246	003937-49-3	72
2 Cycloheptanemethanol	12097	004448-75-3	53
3 Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	53

Unknown Spectrum based on Apex

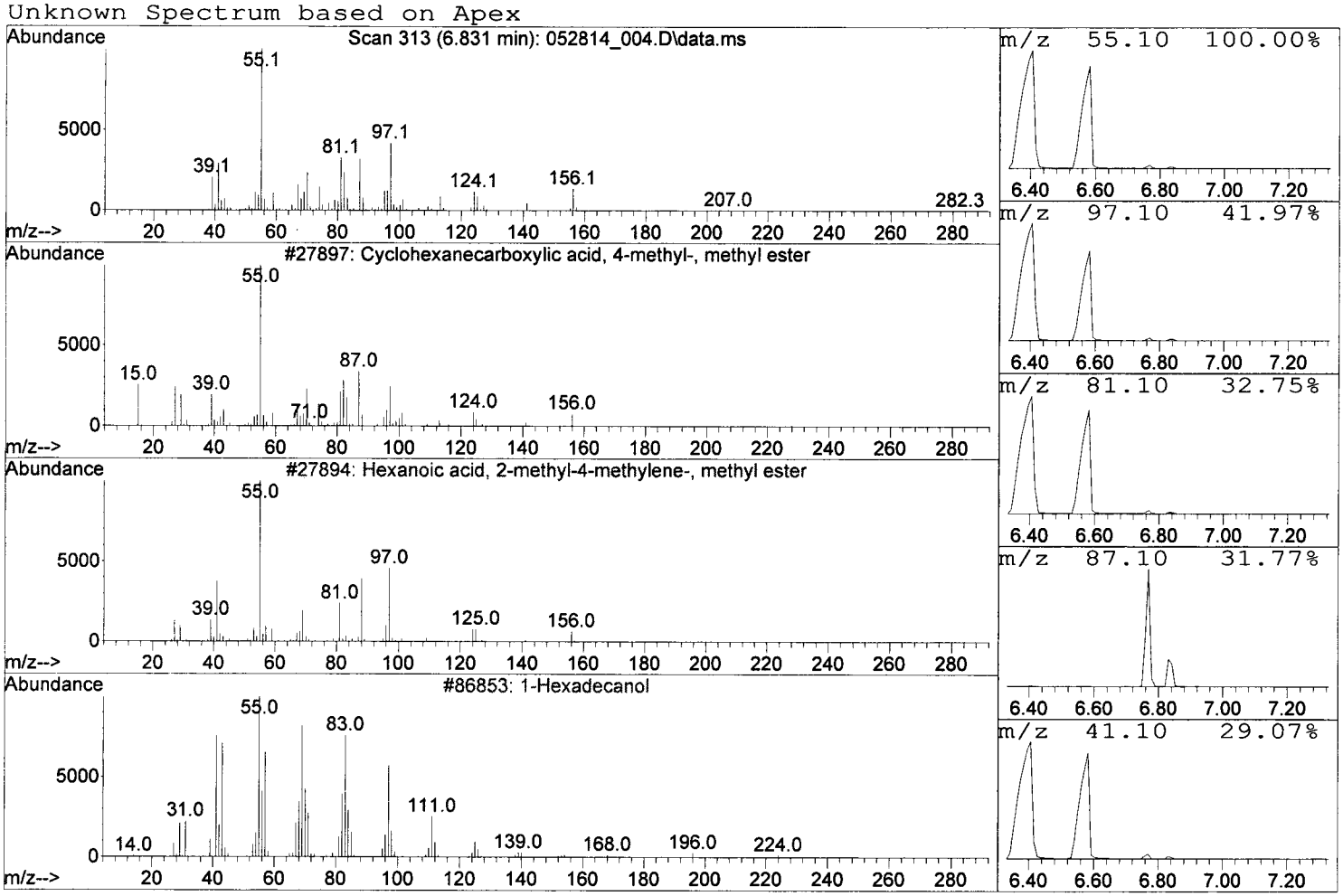


Data File: C:\msdchem\1\DATA [redacted] RP1581\052814_004.D (b) (7)(C)
Sample : N405006-01

Peak Number: 7 at 6.768 min Area: 1572434 Area % 1.10

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Cyclohexanecarboxylic acid, 4-me...	27897	051181-40-9	50
2 2-Octenoic acid, methyl ester	27781	002396-85-2	38
3 2-Nonenoic acid, methyl ester	36113	000111-79-5	25

Unknown Spectrum based on Apex

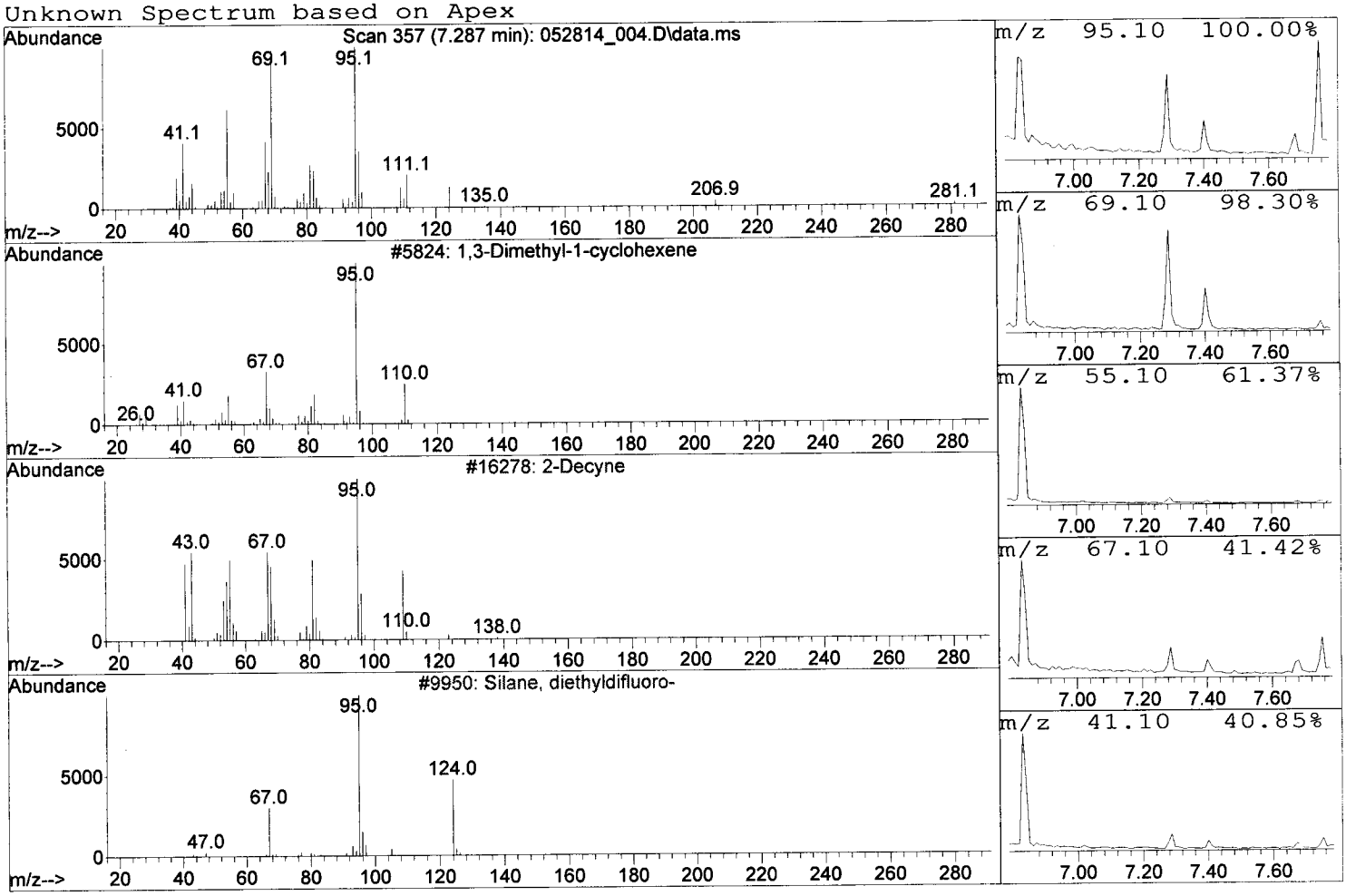


Data File: C:\msdchem\1\DATA[redacted] RP1581\052814_004.D
Sample : N405006-01

Peak Number: 8 at 6.831 min Area: 777500 Area % 0.54

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Cyclohexanecarboxylic acid, 4-me...	27897	051181-40-9	52
2 Hexanoic acid, 2-methyl-4-methyl...	27894	1000152-05-4	47
3 1-Hexadecanol	86853	036653-82-4	37

Unknown Spectrum based on Apex

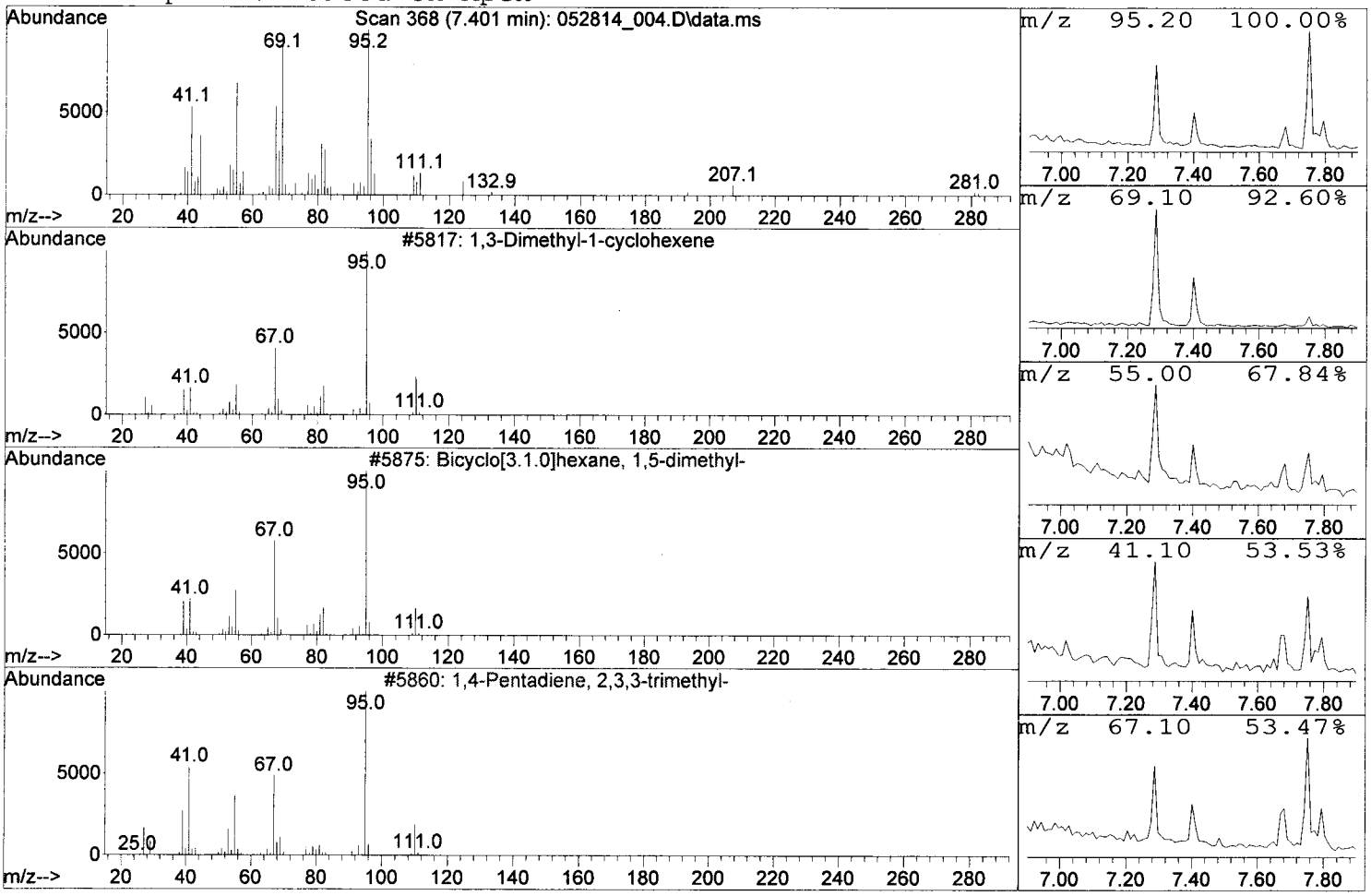


Data File: C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 9 at 7.287 min Area: 66423 Area % 0.05

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1,3-Dimethyl-1-cyclohexene	5824	002808-76-6	43
2 2-Decyne	16278	002384-70-5	38
3 Silane, diethyldifluoro-	9950	000358-06-5	35

Unknown Spectrum based on Apex

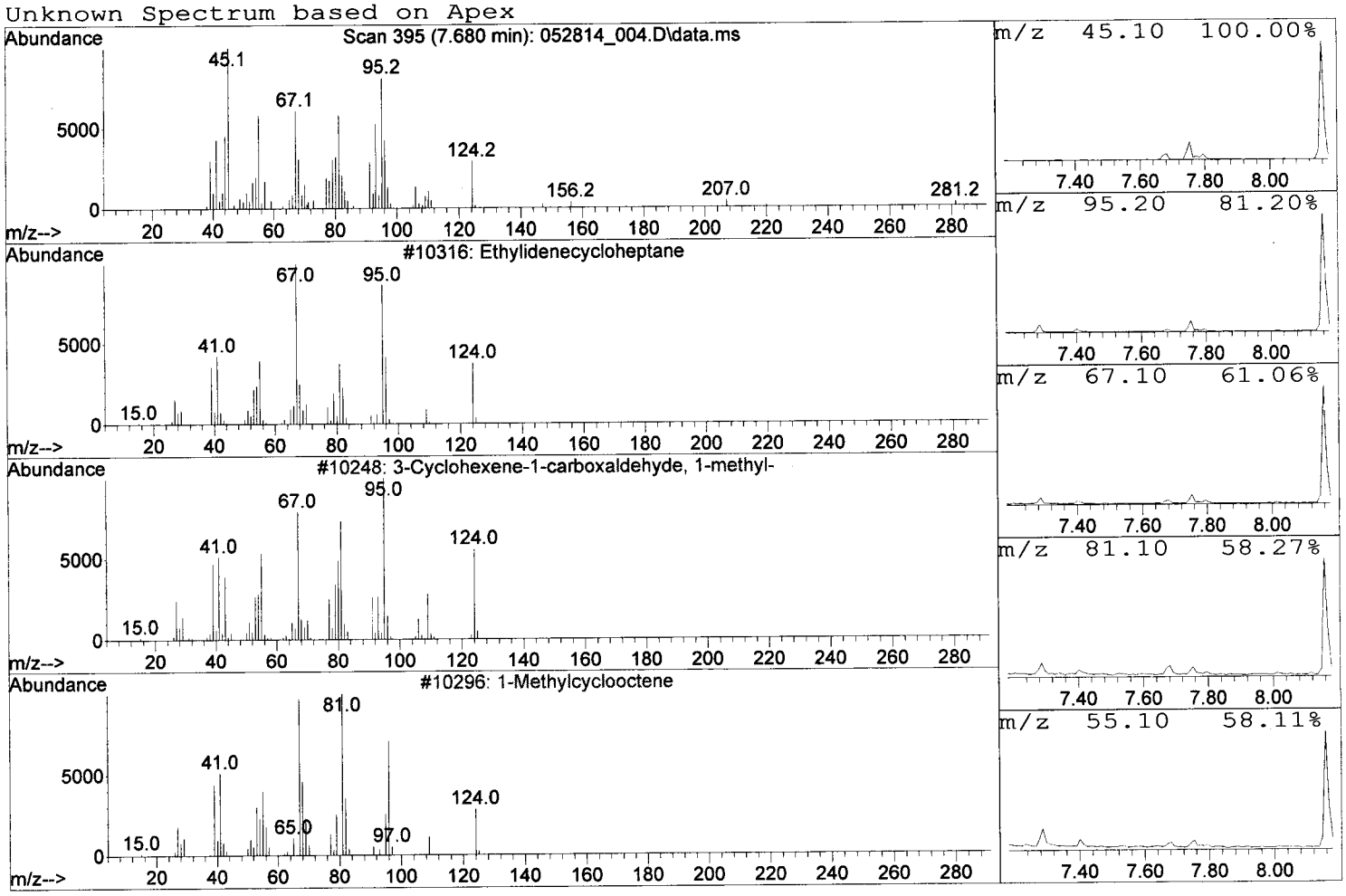


Data File: C:\msdchem\1\DAT[redacted]P1581\052814_004.D (b) (7)(C)
Sample : N405006-01

Peak Number: 10 at 7.401 min Area: 35051 Area % 0.02

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1,3-Dimethyl-1-cyclohexene	5817	002808-76-6	43
2 Bicyclo[3.1.0]hexane, 1,5-dimethyl-	5875	1000142-17-5	38
3 1,4-Pentadiene, 2,3,3-trimethyl-	5860	000756-02-5	38

Unknown Spectrum based on Apex

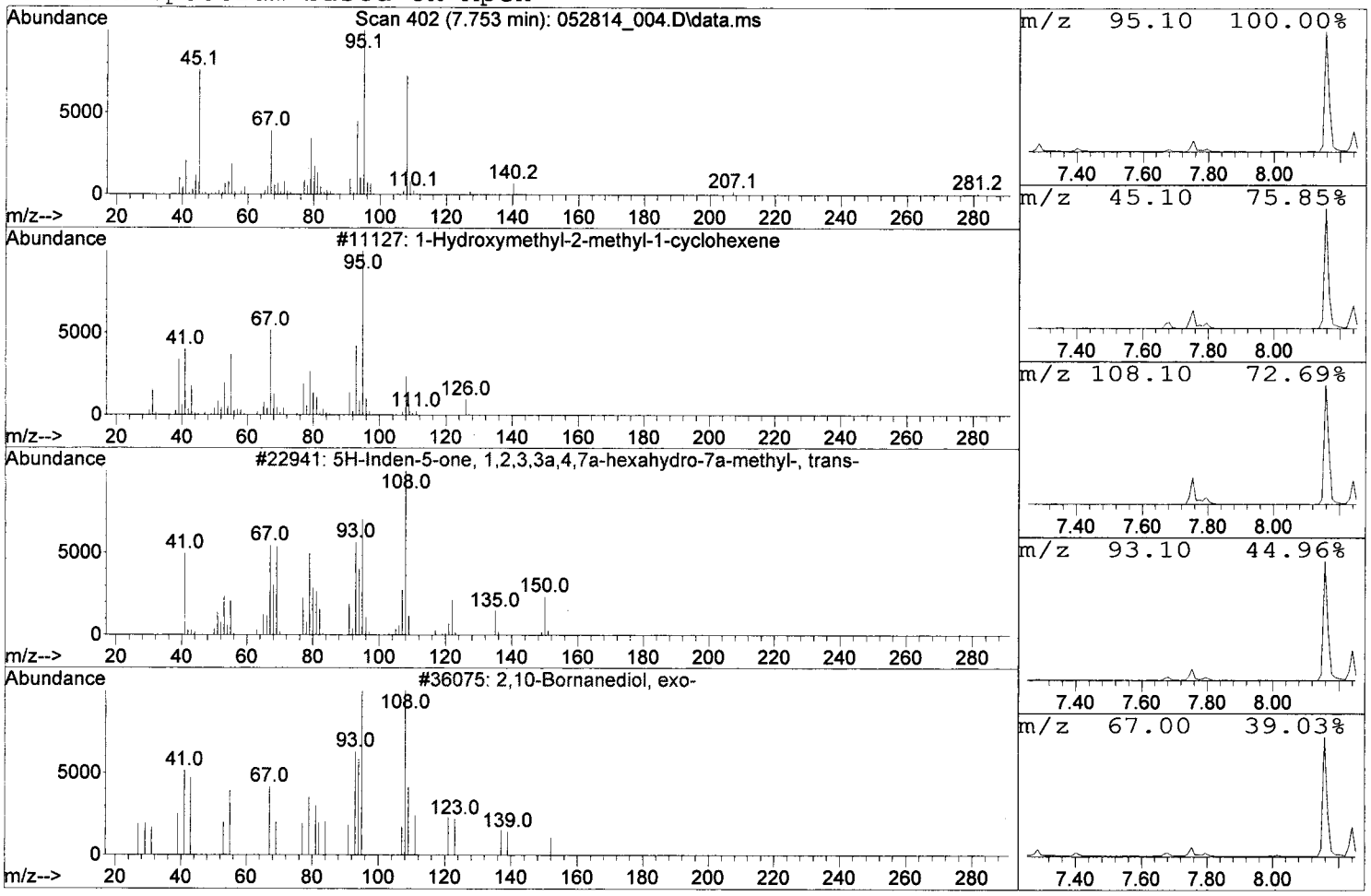


Data File: C:\msdchem\1\DATA[redacted] (b) (7)(C) P1581\052814_004.D
Sample : N405006-01

Peak Number: 11 at 7.680 min Area: 37310 Area % 0.03

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Ethylidenecycloheptane	10316	010494-87-8	50
2 3-Cyclohexene-1-carboxaldehyde, ...	10248	000931-96-4	46
3 1-Methylcyclooctene	10296	000933-11-9	35

Unknown Spectrum based on Apex

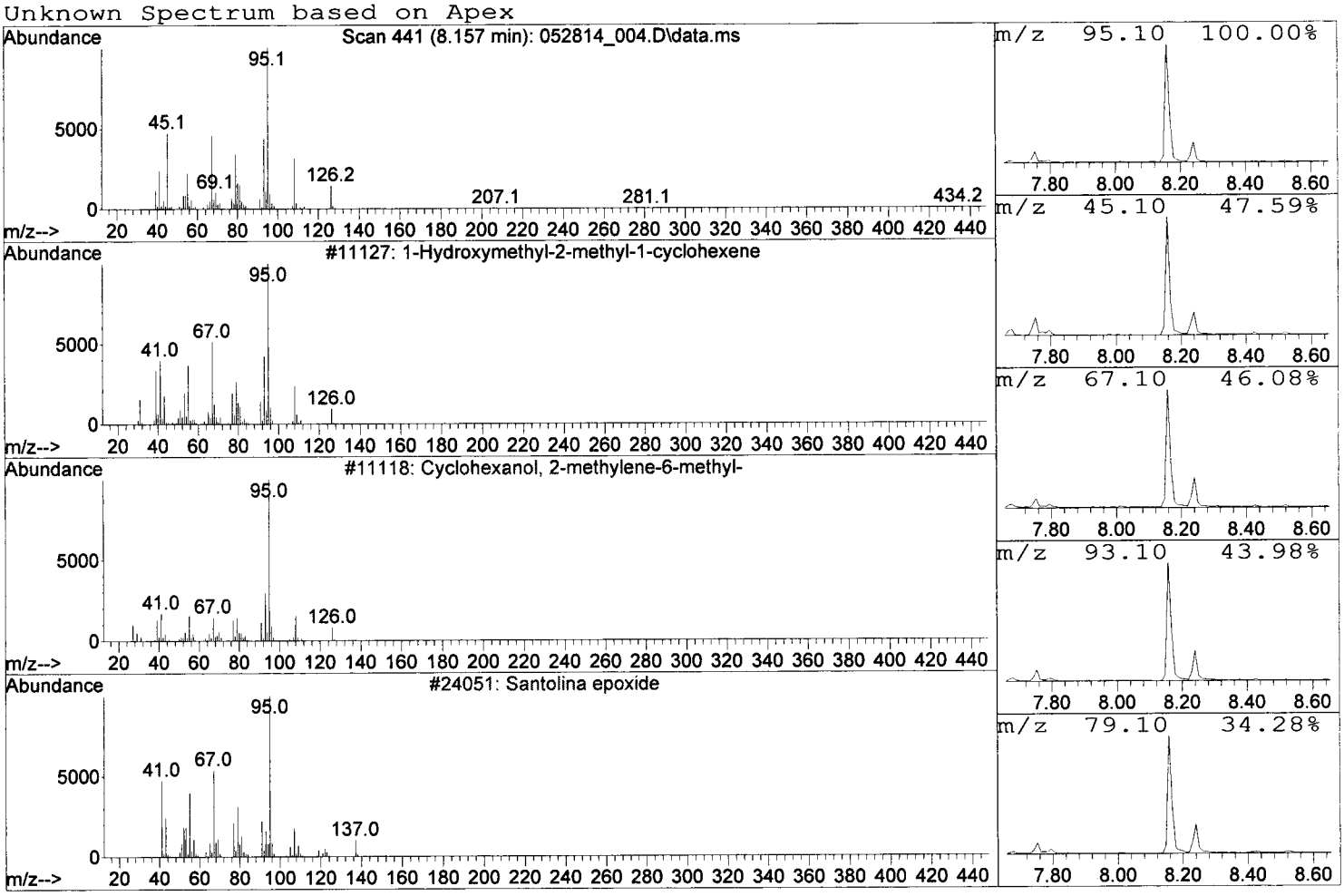


Data File: C:\msdchem\1\DATA\(b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 12 at 7.753 min Area: 153844 Area % 0.11

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1-Hydroxymethyl-2-methyl-1-cyclo...	11127	029474-11-1	50
2 5H-Inden-5-one, 1,2,3,3a,4,7a-he...	22941	017429-25-3	43
3 2,10-Bornanediol, exo-	36075	001925-39-9	40

Unknown Spectrum based on Apex

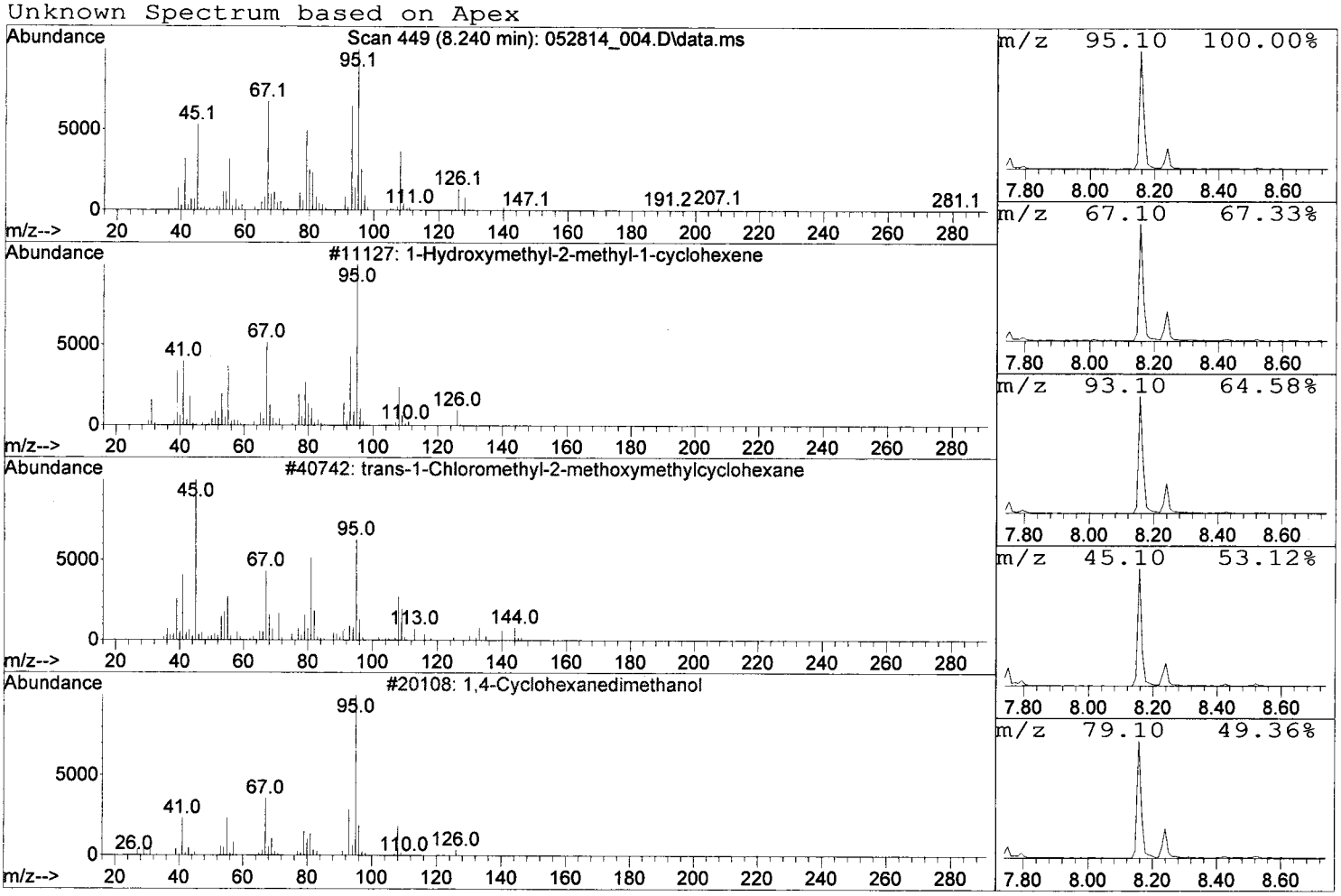


Data File: C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 13 at 8.157 min Area: 850917 Area % 0.60

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1-Hydroxymethyl-2-methyl-1-cyclo...	11127	029474-11-1	87
2 Cyclohexanol, 2-methylene-6-methyl-	11118	1000196-32-3	50
3 Santolina epoxide	24051	060485-45-2	47

Unknown Spectrum based on Apex

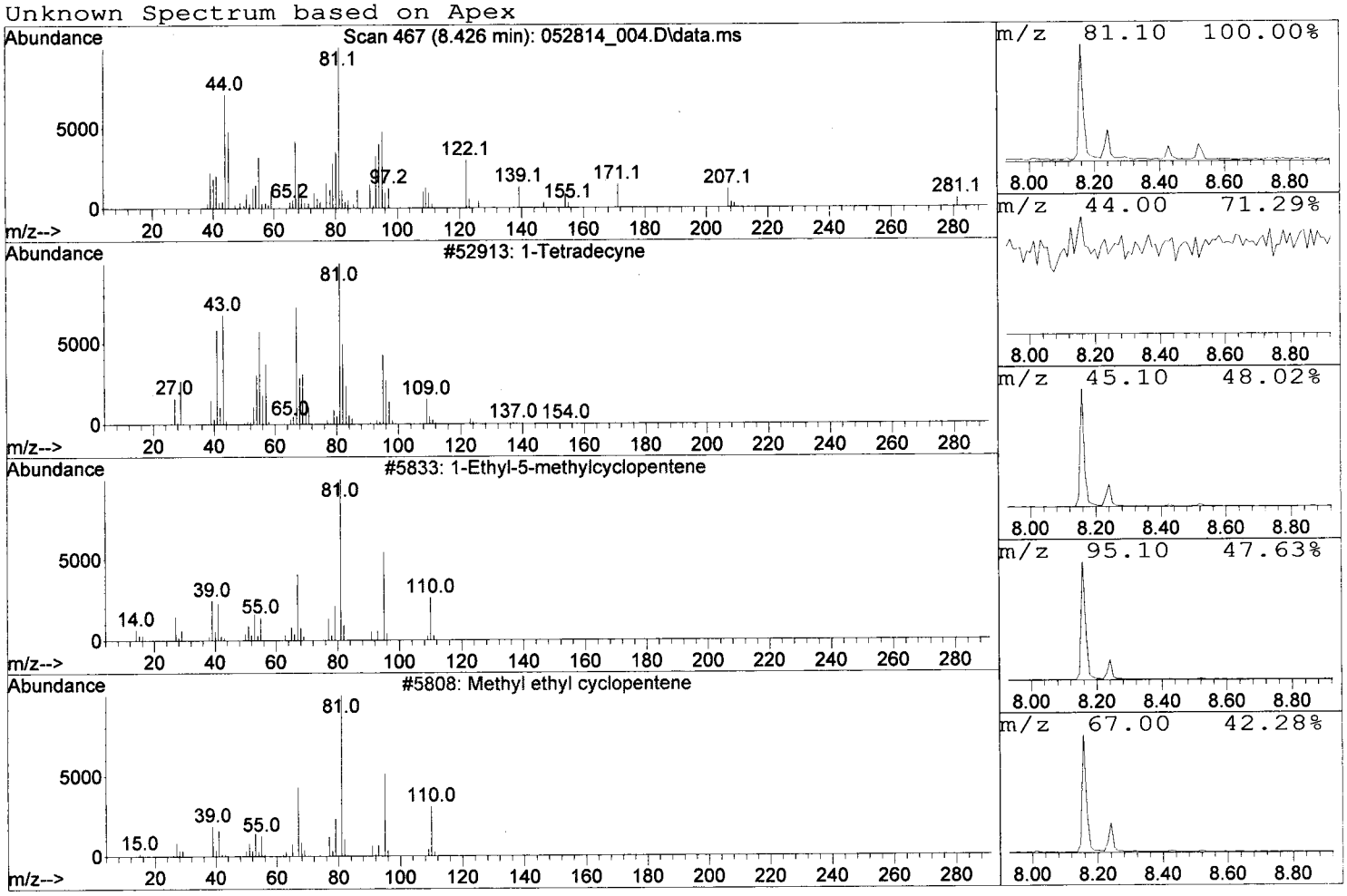


Data File: C:\msdchem\1\DAT[redacted]P1581\052814_004.D
Sample : N405006-01

Peak Number: 14 at 8.240 min Area: 240657 Area % 0.17

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1-Hydroxymethyl-2-methyl-1-cyclo...	11127	029474-11-1	46
2 trans-1-Chloromethyl-2-methoxyme...	40742	137303-15-2	40
3 1,4-Cyclohexanedimethanol	20108	000105-08-8	35

Unknown Spectrum based on Apex

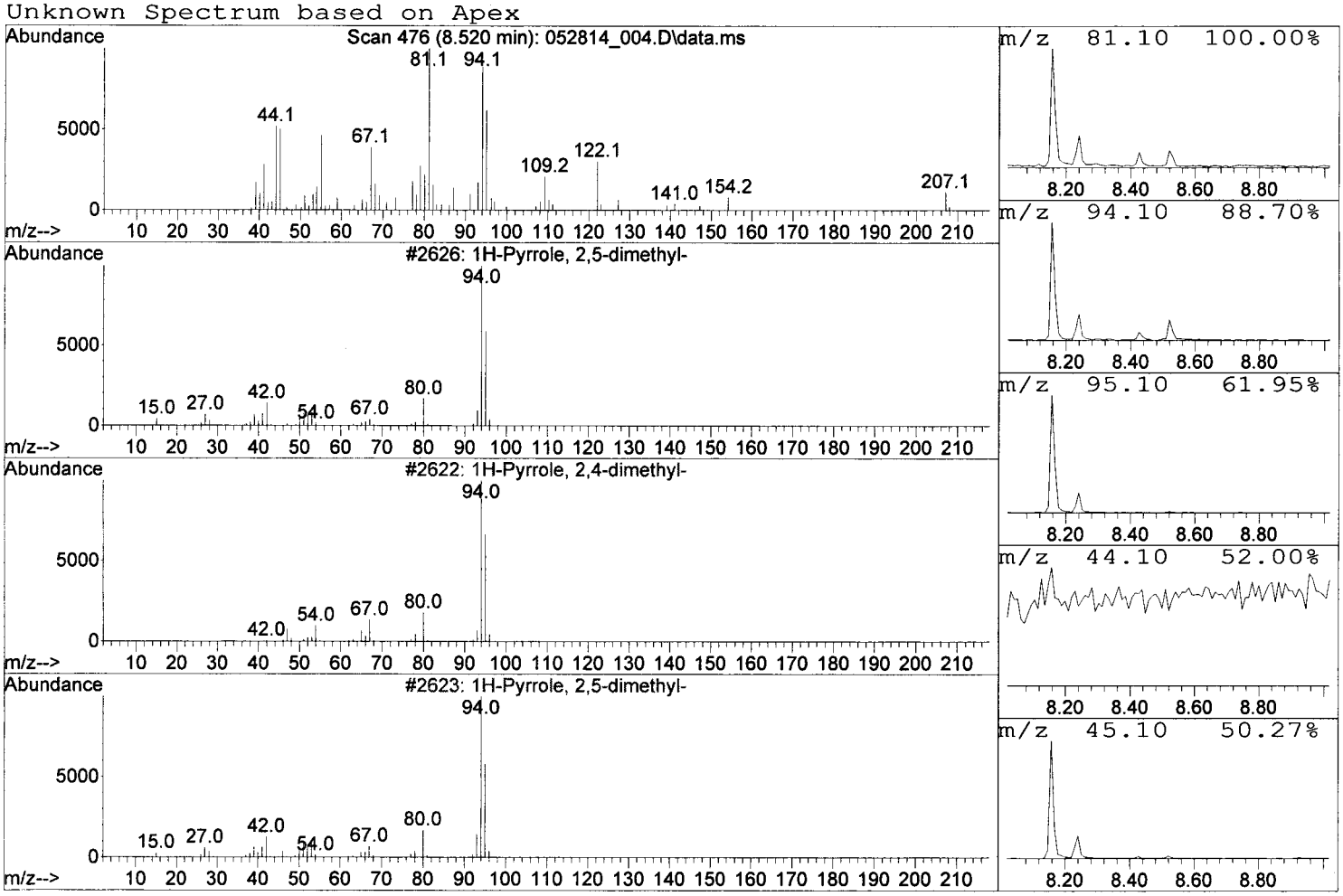


Data File: C:\msdchem\1\DATA[redacted] (b) (7)(C) P1581\052814_004.D
Sample : N405006-01

Peak Number: 15 at 8.426 min Area: 29900 Area % 0.02

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1-Tetradecyne	52913	000765-10-6	38
2 1-Ethyl-5-methylcyclopentene	5833	097797-57-4	38
3 Methyl ethyl cyclopentene	5808	019780-56-4	35

Unknown Spectrum based on Apex

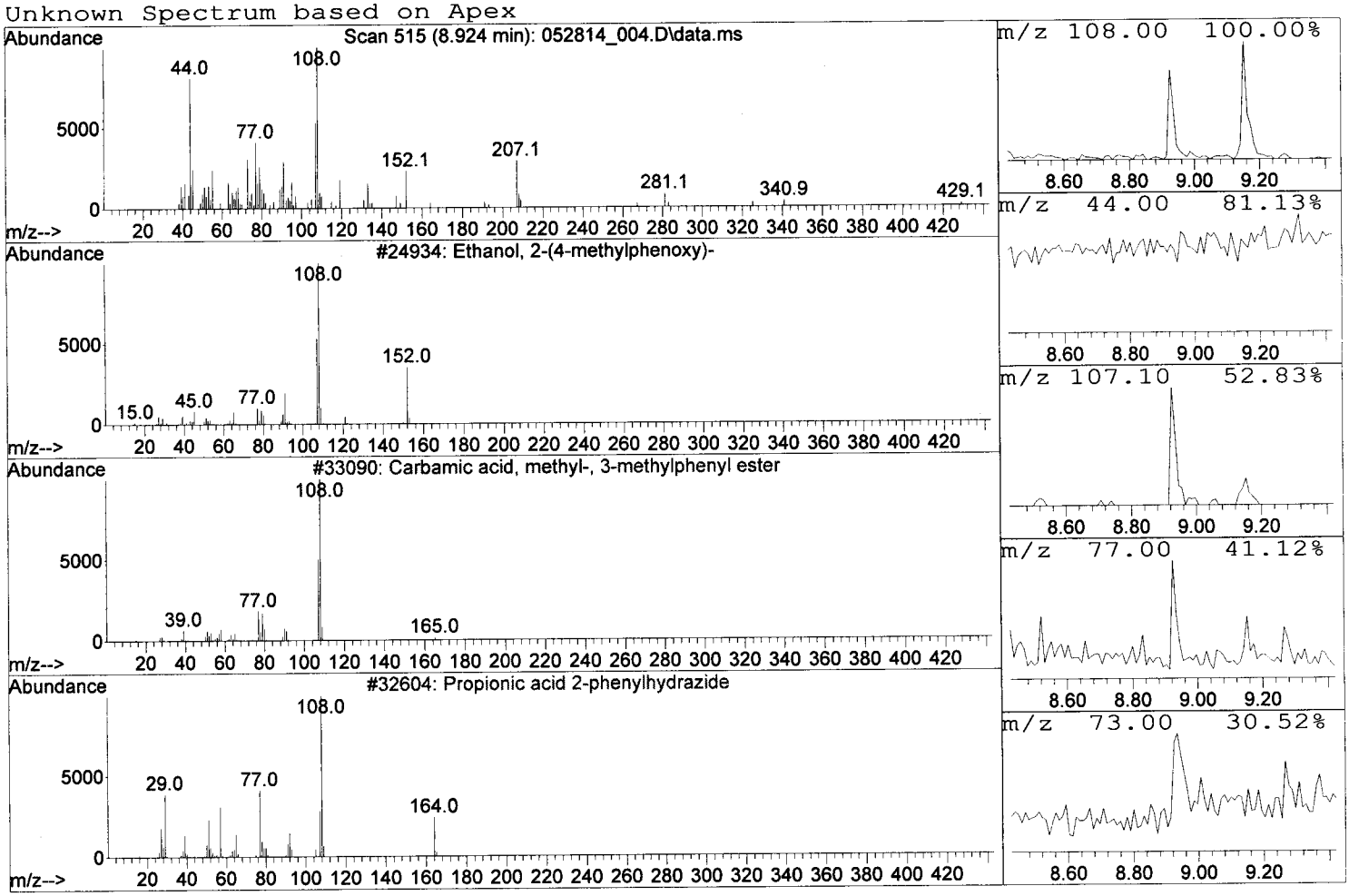


Data File: C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 16 at 8.520 min Area: 30114 Area % 0.02

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1H-Pyrrole, 2,5-dimethyl-	2626	000625-84-3	30
2 1H-Pyrrole, 2,4-dimethyl-	2622	000625-82-1	25
3 1H-Pyrrole, 2,5-dimethyl-	2623	000625-84-3	25

Unknown Spectrum based on Apex

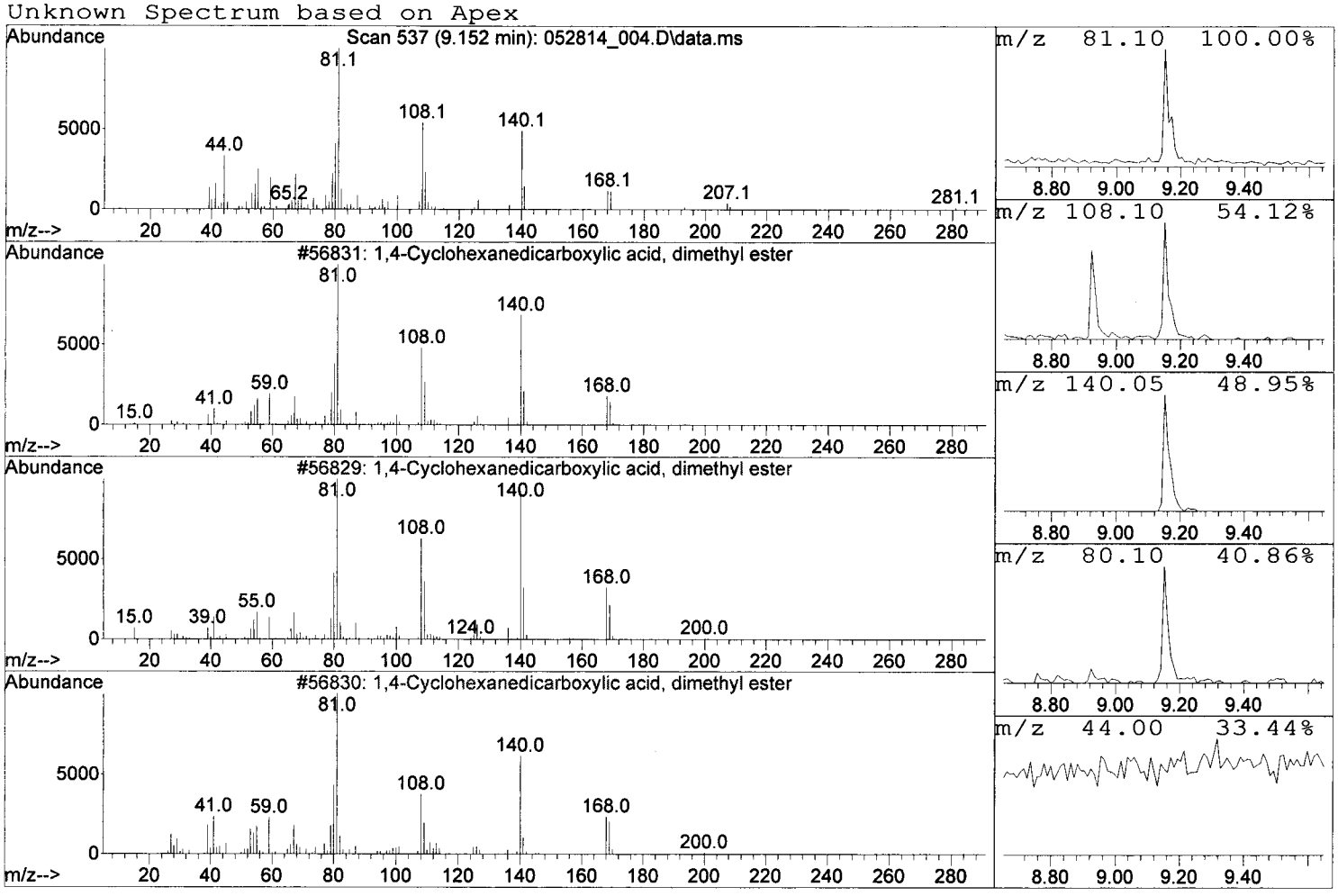


Data File: C:\msdchem\1\DATA[redacted]RP1581\052814_004.D
Sample : N405006-01

Peak Number: 17 at 8.924 min Area: 28332 Area % 0.02

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Ethanol, 2-(4-methylphenoxy)-	24934	015149-10-7	45
2 Carbamic acid, methyl-, 3-methyl...	33090	001129-41-5	38
3 Propionic acid 2-phenylhydrazide	32604	020730-02-3	38

Unknown Spectrum based on Apex

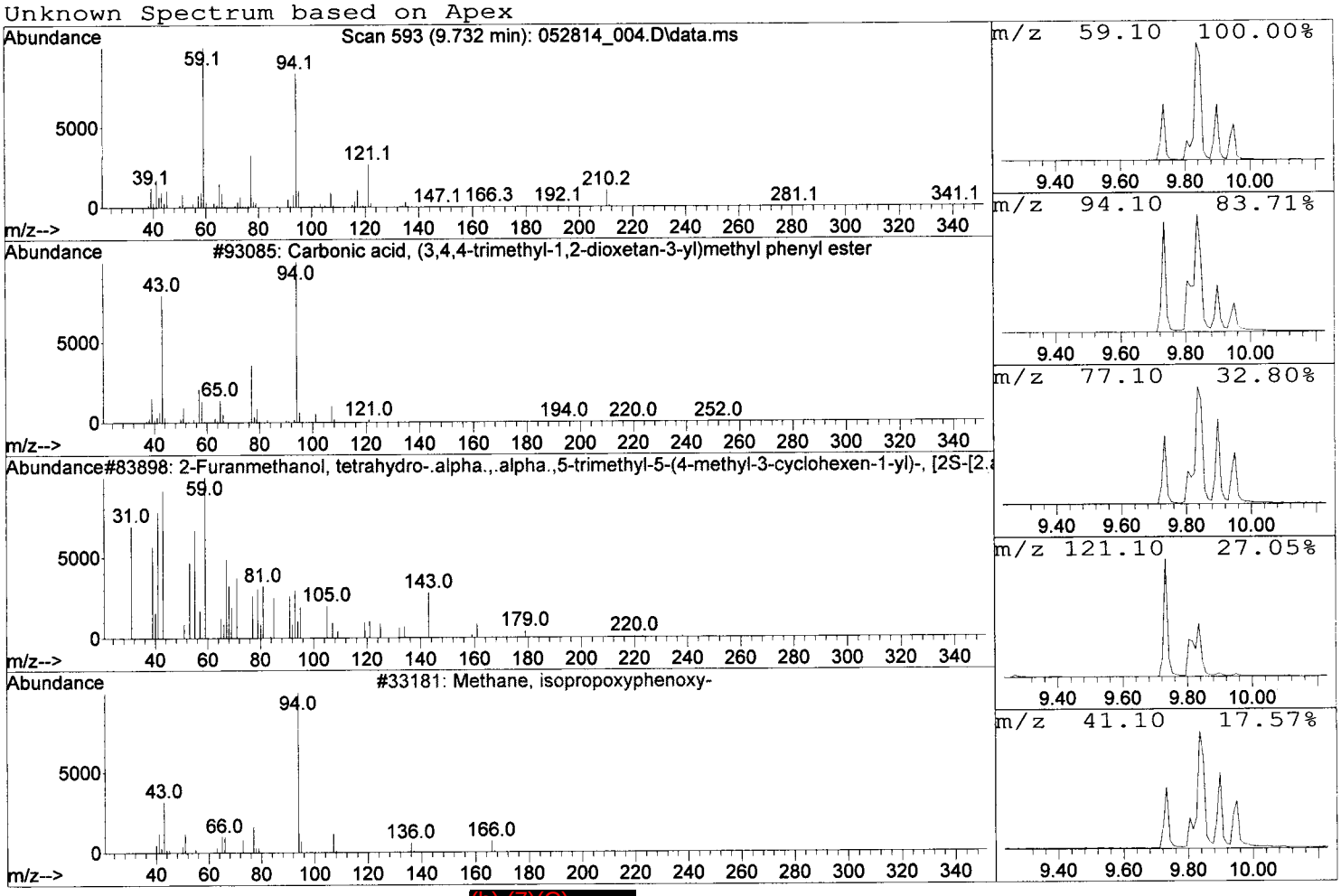


Data File: C:\msdchem\1\DATA\[redacted]P1581\052814_004.D
Sample : N405006-01

Peak Number: 18 at 9.152 min Area: 54634 Area % 0.04

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1,4-Cyclohexanedicarboxylic acid...	56831	000094-60-0	90
2 1,4-Cyclohexanedicarboxylic acid...	56829	000094-60-0	64
3 1,4-Cyclohexanedicarboxylic acid...	56830	000094-60-0	64

Unknown Spectrum based on Apex

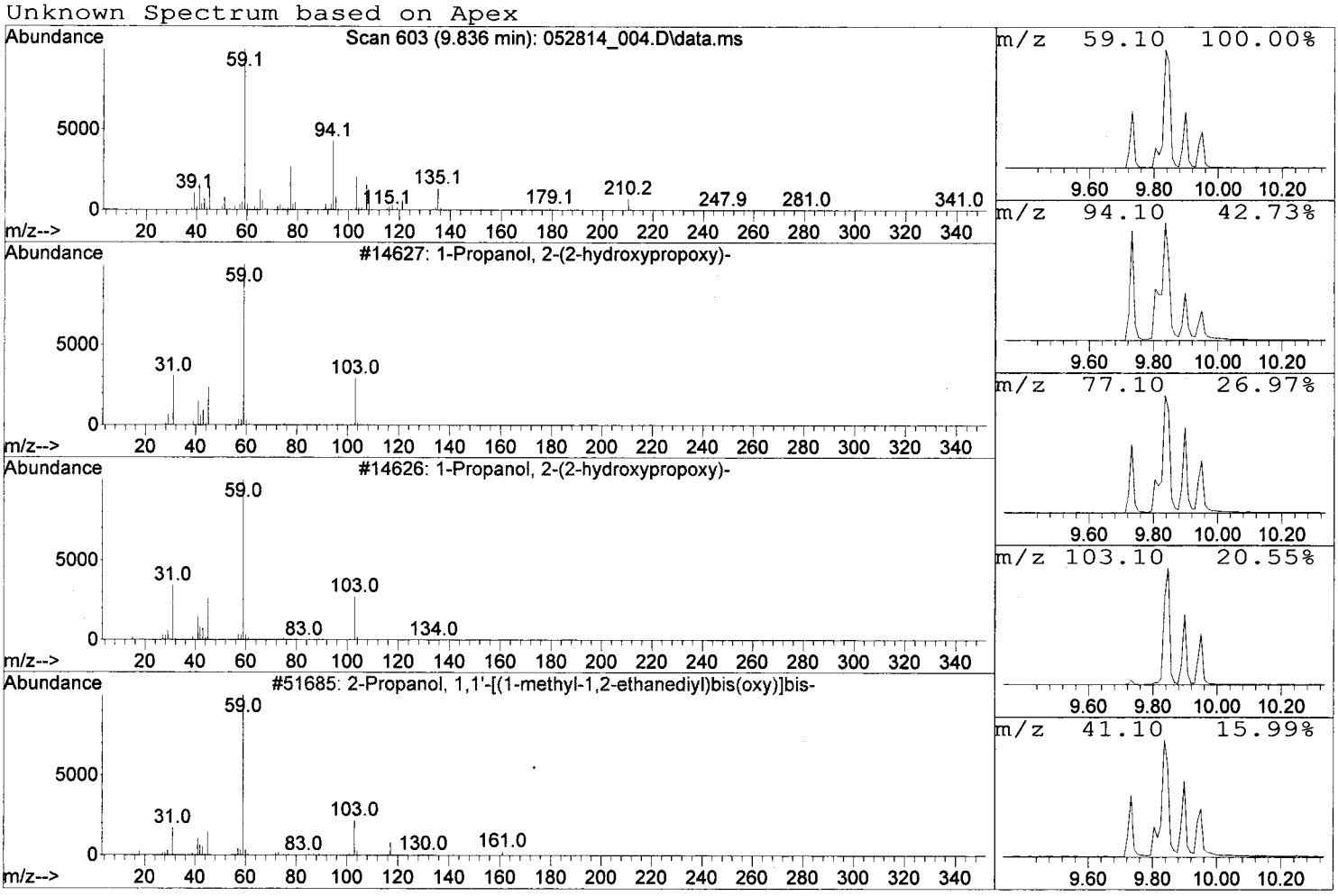


Data File: C:\msdchem\1\DAT[redacted] (b) (7)(C) 1581\052814_004.D
Sample : N405006-01

Peak Number: 19 at 9.732 min Area: 578689 Area % 0.41

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Carbonic acid, (3,4,4-trimethyl-...	93085	109123-69-5	35
2 2-Furanmethanol, tetrahydro-.alp...	83898	026184-88-3	35
3 Methane, isopropoxyphenoxy-	33181	000828-12-6	35

Unknown Spectrum based on Apex

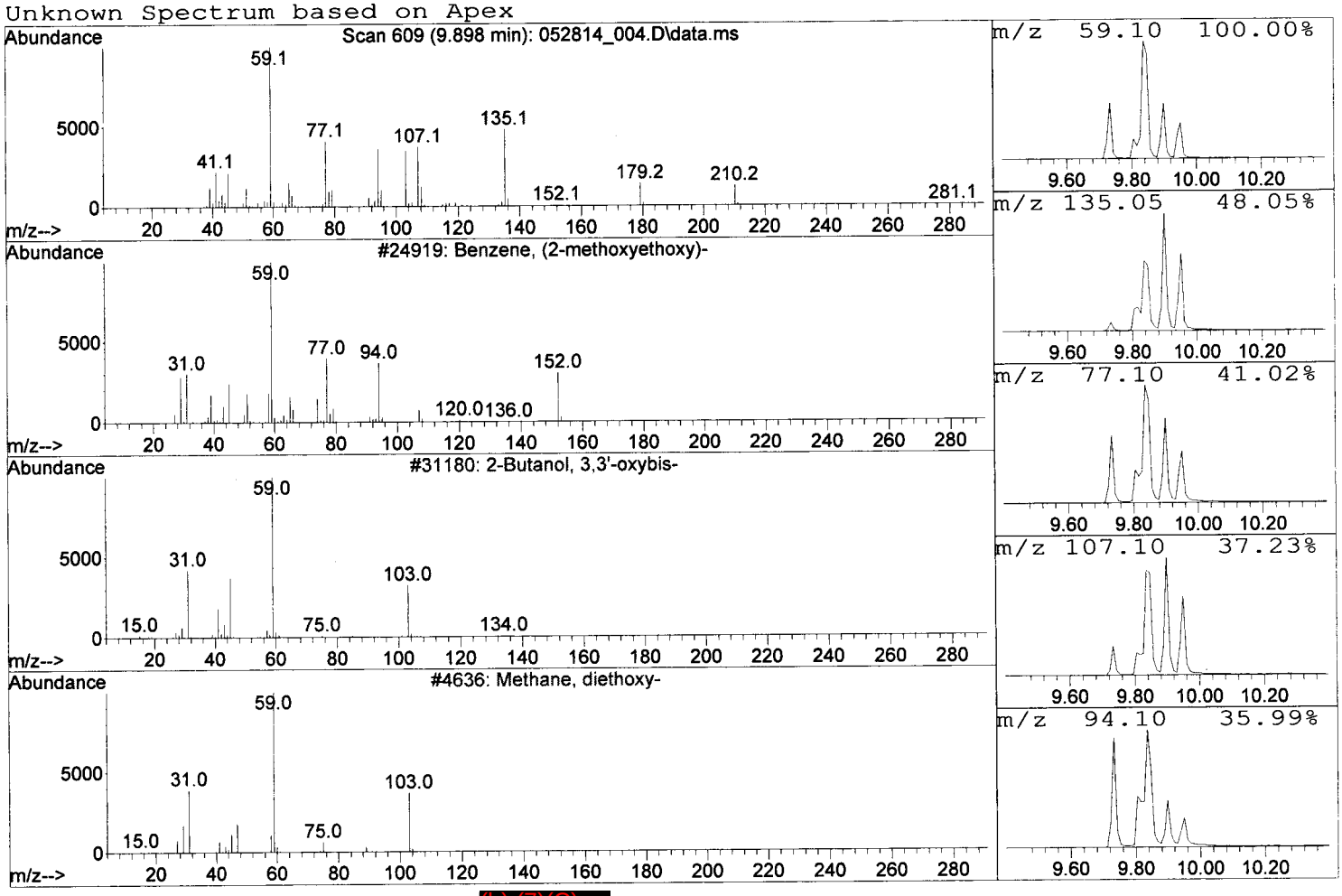


Data File: C:\msdchem\1\DATA[redacted] (b) (7)(C) P1581\052814_004.D
Sample : N405006-01

Peak Number: 20 at 9.836 min Area: 1911473 Area % 1.34

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 1-Propanol, 2-(2-hydroxypropoxy)-	14627	000106-62-7	38
2 1-Propanol, 2-(2-hydroxypropoxy)-	14626	000106-62-7	38
3 2-Propanol, 1,1'-[(1-methyl-1,2-...	51685	001638-16-0	38

Unknown Spectrum based on Apex

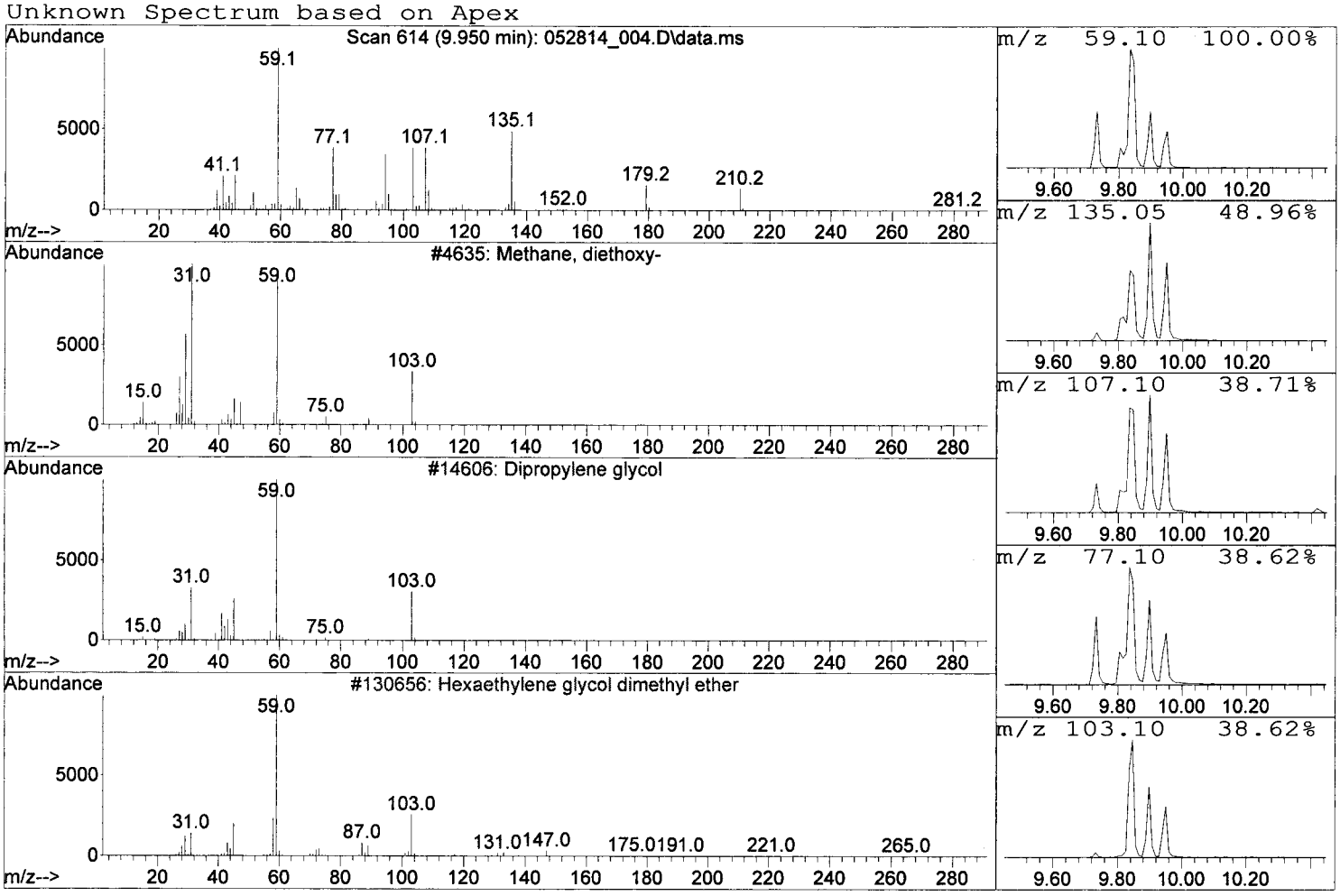


Data File: C:\msdchem\1\DATA [redacted] RP1581\052814_004.D
Sample : N405006-01

Peak Number: 21 at 9.898 min Area: 703559 Area % 0.49

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Benzene, (2-methoxyethoxy)-	24919	041532-81-4	46
2 2-Butanol, 3,3'-oxybis-	31180	054305-61-2	22
3 Methane, diethoxy-	4636	000462-95-3	22

Unknown Spectrum based on Apex

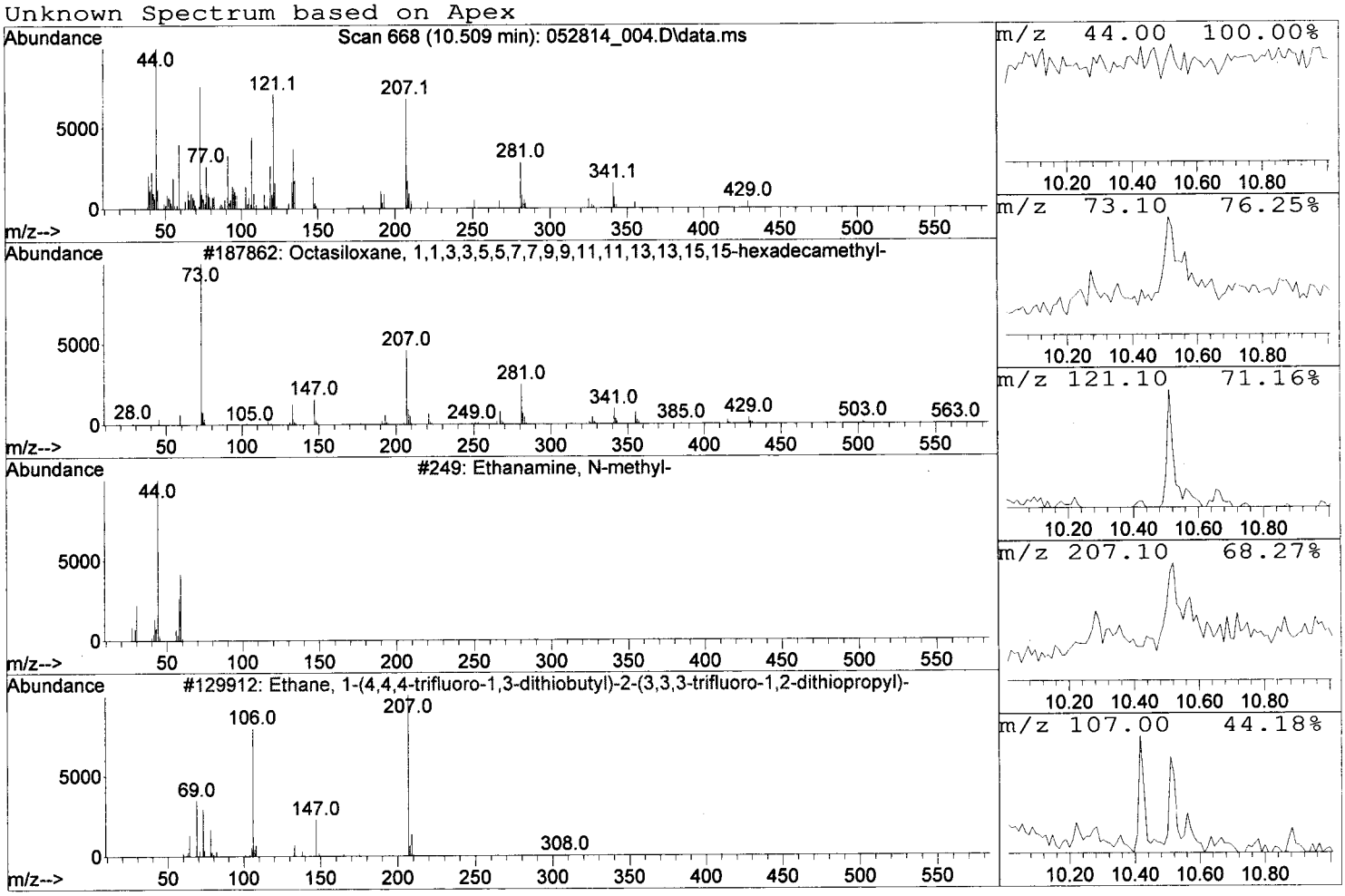


Data File: C:\msdchem\1\DATA[redacted]\RP1581\052814_004.D
Sample : N405006-01

Peak Number: 22 at 9.950 min Area: 612149 Area % 0.43

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Methane, diethoxy-	4635	000462-95-3	27
2 Dipropylene glycol	14606	025265-71-8	27
3 Hexaethylene glycol dimethyl ether	130656	001072-40-8	27

Unknown Spectrum based on Apex

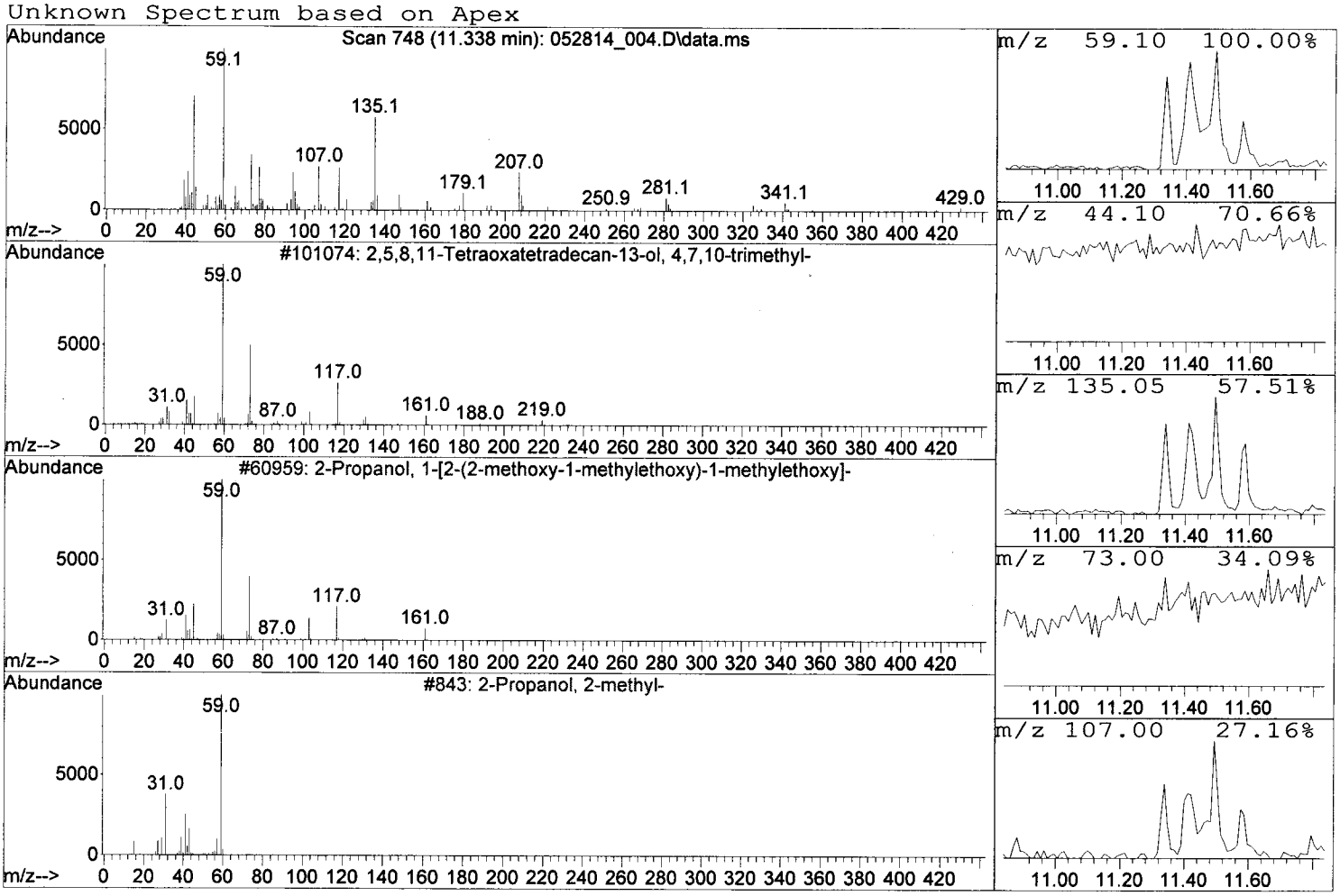


Data File: C:\msdchem\1\DAT[redacted]P1581\052814_004.D
Sample : N405006-01

Peak Number: 23 at 10.509 min Area: 39968 Area % 0.03

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Octasiloxane, 1,1,3,3,5,5,7,7,9,...	187862	019095-24-0	32
2 Ethanamine, N-methyl-	249	000624-78-2	16
3 Ethane, 1-(4,4,4-trifluoro-1,3-d...	129912	1000226-87-3	16

Unknown Spectrum based on Apex

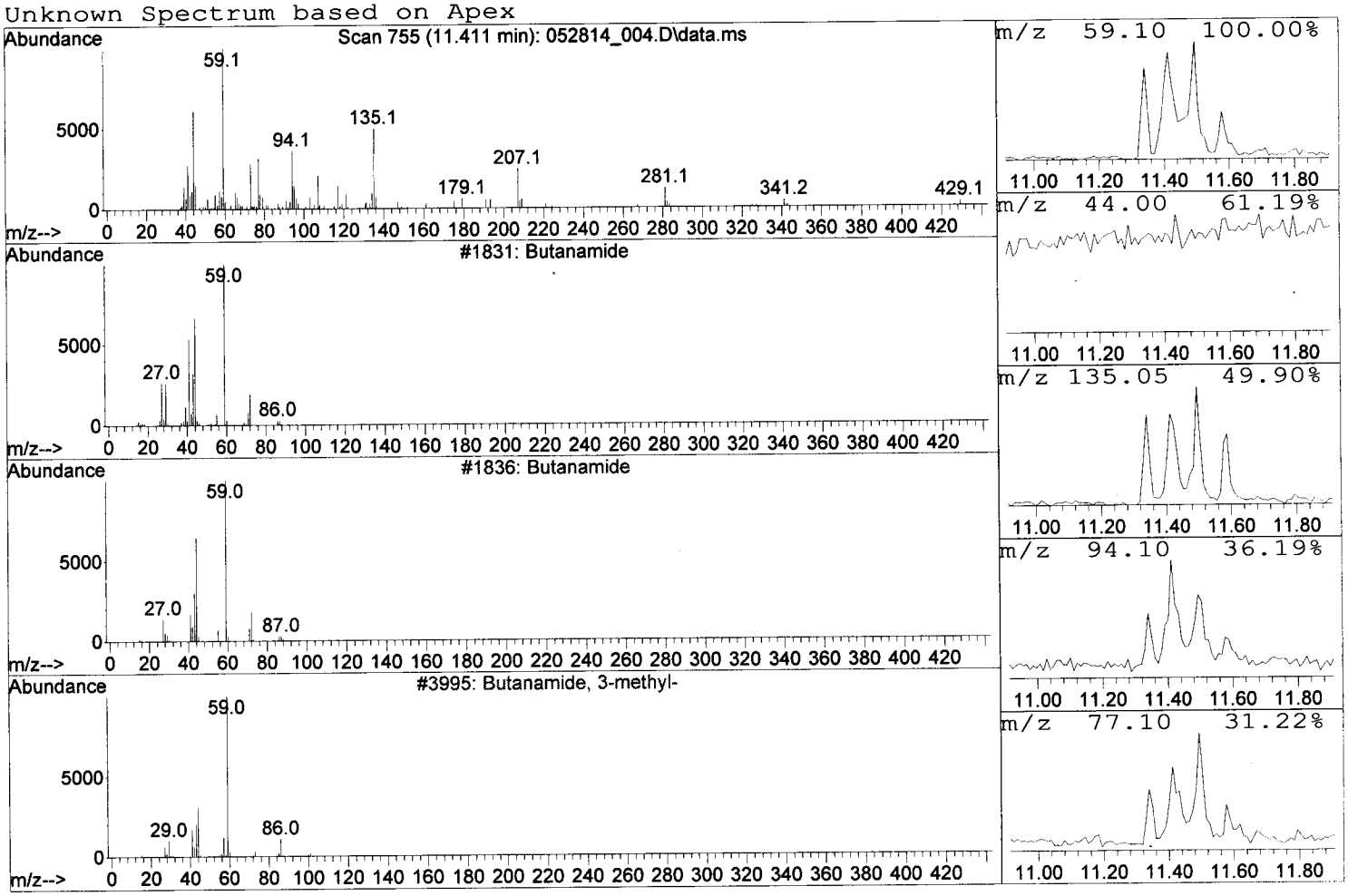


Data File: C:\msdchem\1\DATA [redacted] \RP1581\052814_004.D
Sample : N405006-01

Peak Number: 24 at 11.338 min Area: 32715 Area % 0.02

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 2,5,8,11-Tetraoxatetradecan-13-o...	101074	020324-34-9	27
2 2-Propanol, 1-[2-(2-methoxy-1-me...	60959	020324-33-8	16
3 2-Propanol, 2-methyl-	843	000075-65-0	14

Unknown Spectrum based on Apex

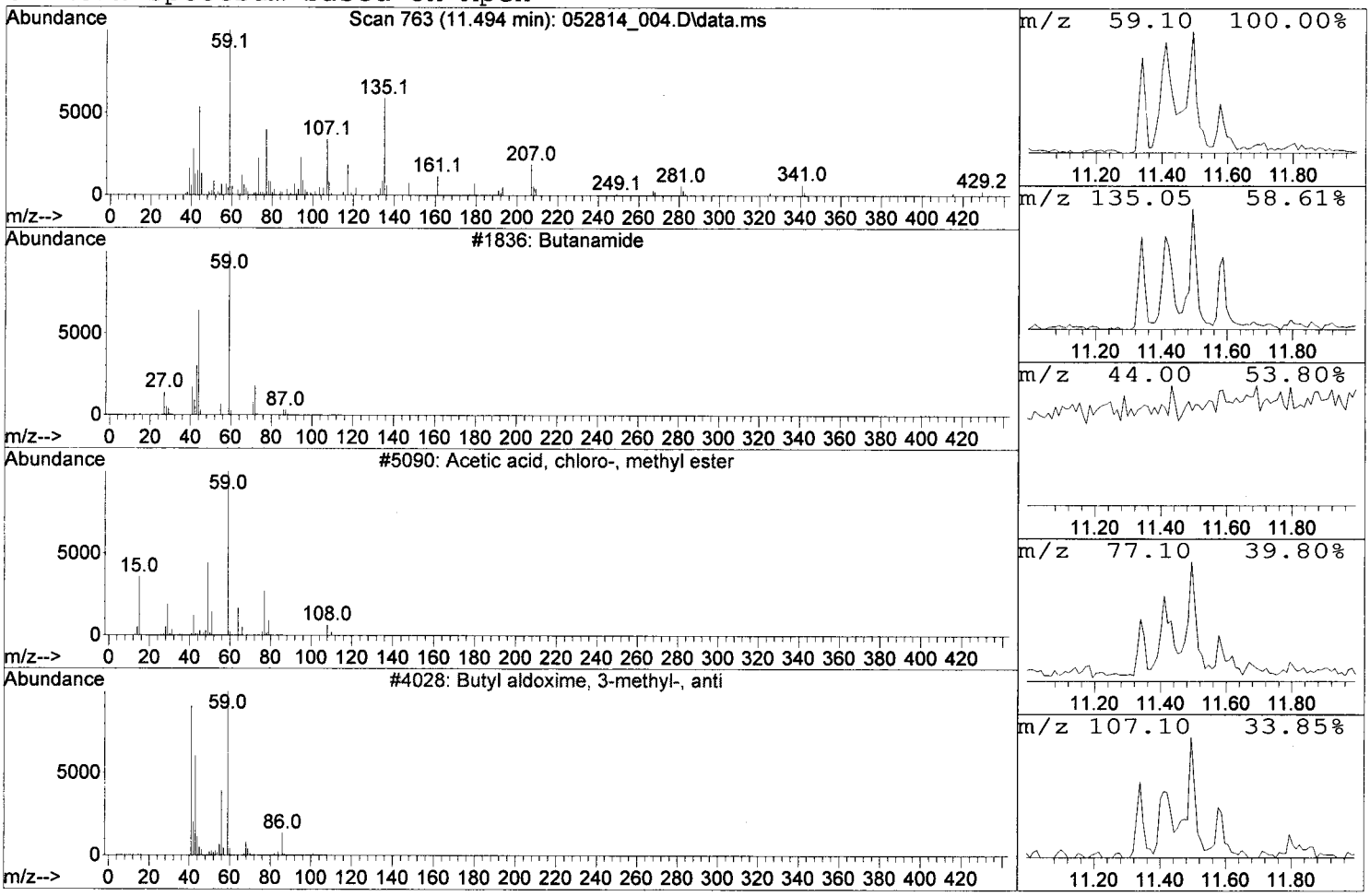


Data File: C:\msdchem\1\DATA\[redacted] (b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 25 at 11.411 min Area: 70082 Area % 0.05

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Butanamide	1831	000541-35-5	35
2 Butanamide	1836	000541-35-5	35
3 Butanamide, 3-methyl-	3995	000541-46-8	27

Unknown Spectrum based on Apex

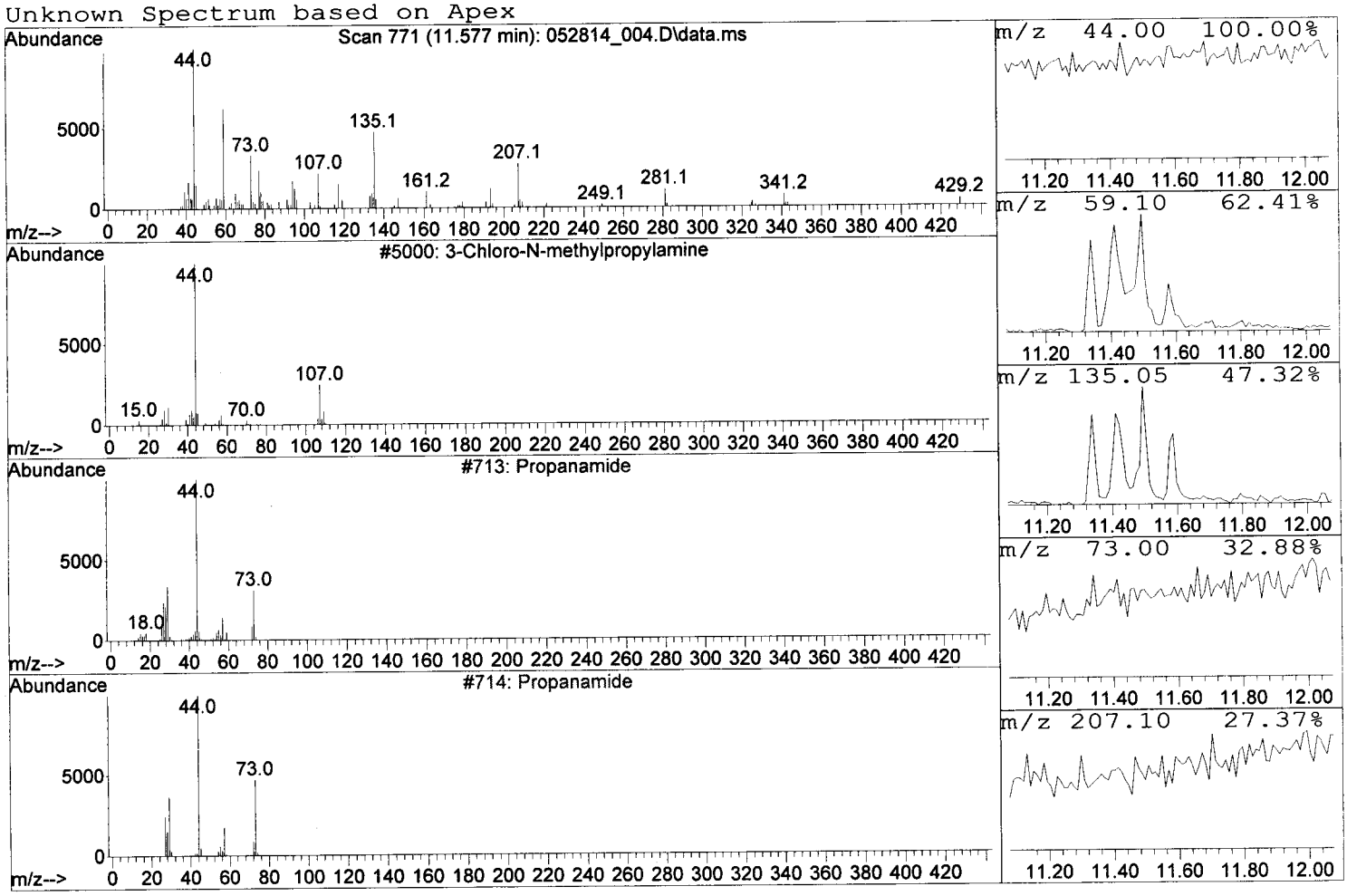


Data File: C:\msdchem\1\DAT[redacted] (b) (7)(C) RP1581\052814_004.D
Sample : N405006-01

Peak Number: 26 at 11.494 min Area: 67490 Area % 0.05

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 Butanamide	1836	000541-35-5	35
2 Acetic acid, chloro-, methyl ester	5090	000096-34-4	22
3 Butyl aldoxime, 3-methyl-, anti	4028	005775-74-6	14

Unknown Spectrum based on Apex



Data File: C:\msdchem\1\DATA[redacted]RP1581\052814_004.D (b) (7)(C)
Sample : N405006-01

Peak Number: 27 at 11.577 min Area: 27473 Area % 0.02

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST05a.L			
1 3-Chloro-N-methylpropylamine	5000	065232-62-4	27
2 Propanamide	713	000079-05-0	16
3 Propanamide	714	000079-05-0	12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]P1581\
Data File : 052814_005.D
Acq On : 28 May 2014 6:35 pm
Operator : [redacted]
Sample : N405006-01DUP1
Misc : 10 uL sample
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 12:49:53 2014
Quant Method : C:\msdchem\1\METHODS\[redacted]_RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

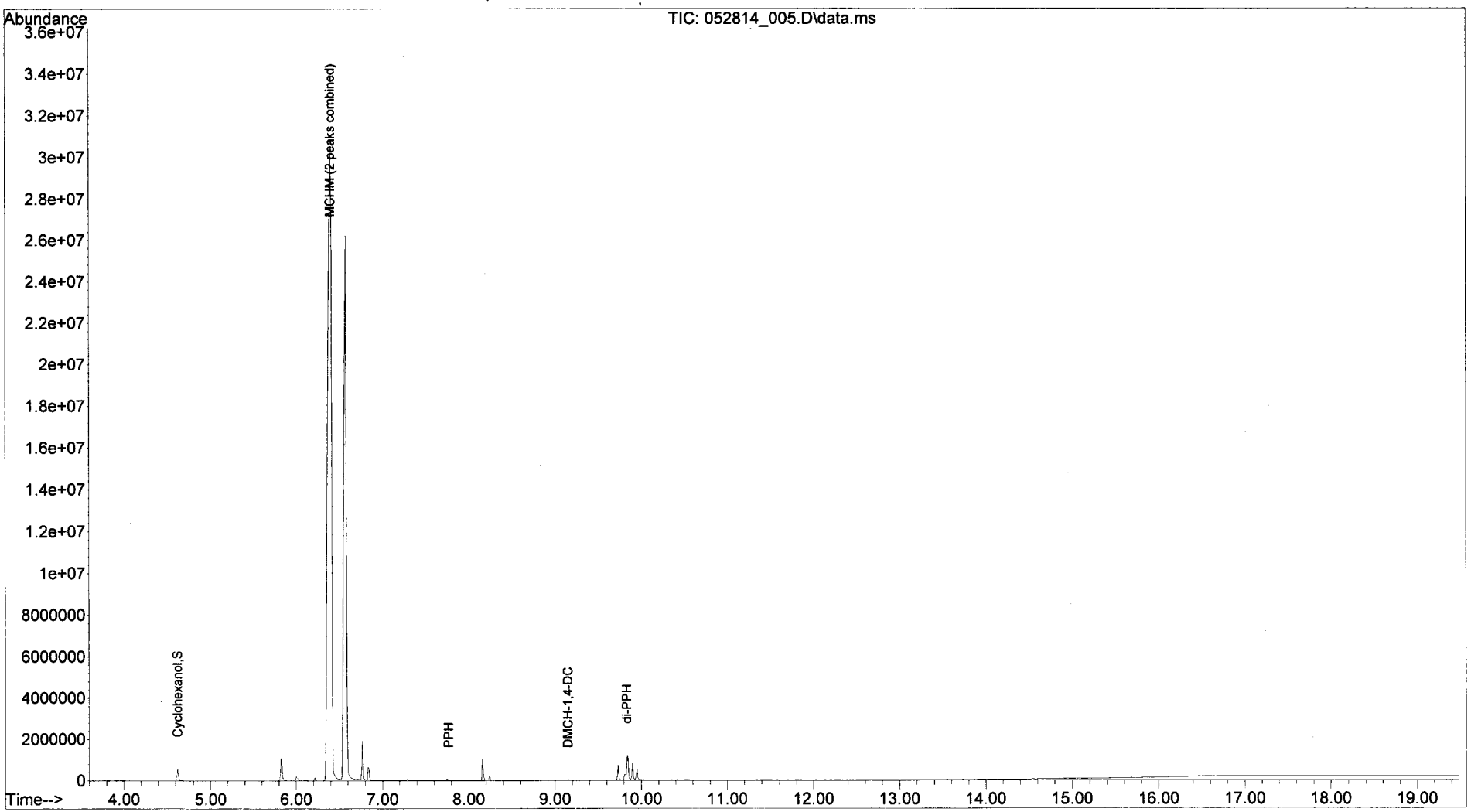
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	155972	48.35 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.405	55	33749349m	8096.63 ug/mL	
3) PPH	7.773	94	20003m	7.90 ug/mL	
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	11429m	6.38 ug/mL	
6) di-PPH	9.836	59	879121m	394.70 ug/mL	

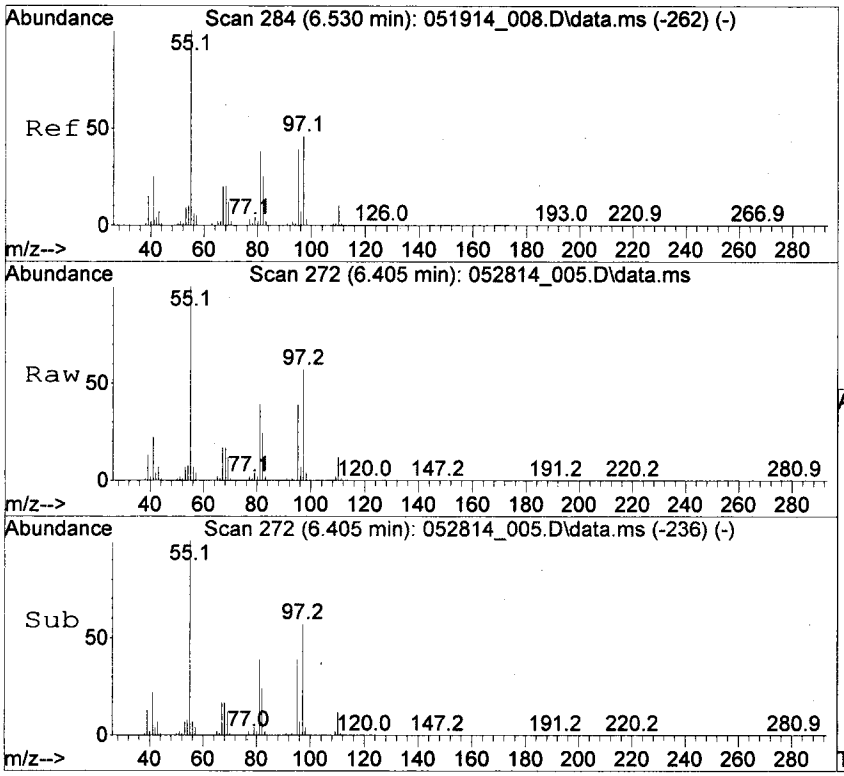
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]\RP1581\
Data File : 052814_005.D
Acq On : 28 May 2014 6:35 pm
Operator : [redacted]
Sample : N405006-01DUP1
Misc : 10 uL sample
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 12:49:53 2014
Quant Method : C:\msdchem\1\METHODS\[redacted]P1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

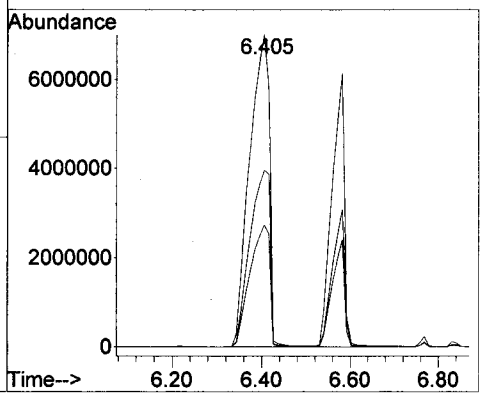


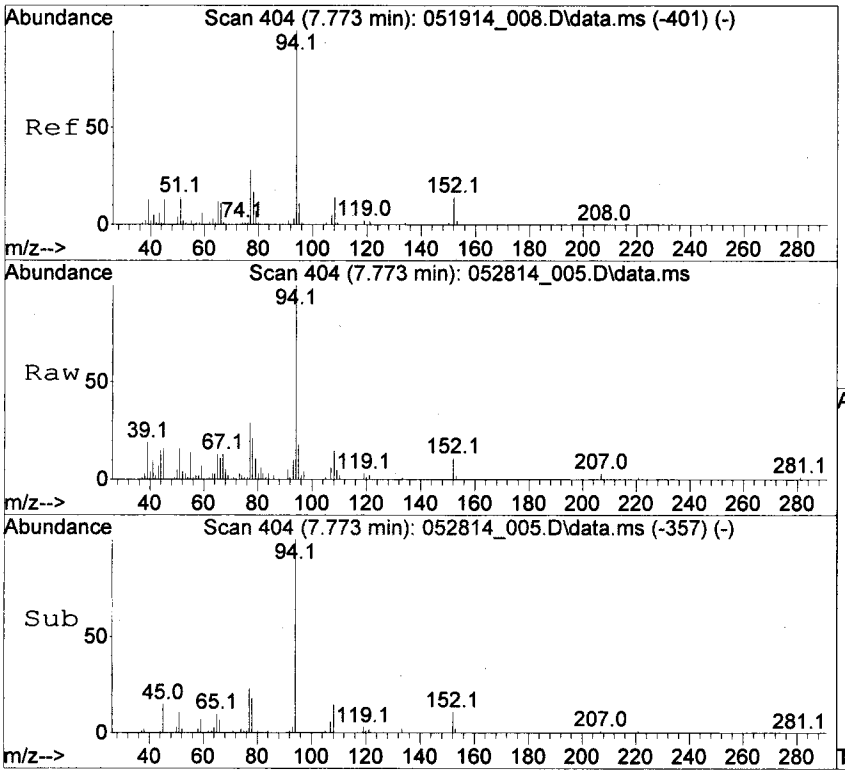


#2
MCHM (2 peaks combined)
Concen: 8096.63 ug/mL m
RT: 6.405 min Scan# 272
Delta R.T. -0.125 min
Lab File: 052814_005.D
Acq: 28 May 2014 6:35 pm

Tgt Ion: 55 Resp:33749349

Ion	Ratio	Lower	Upper
55	100		
97	17.7	31.5	47.3#
81	13.9	24.2	36.4#

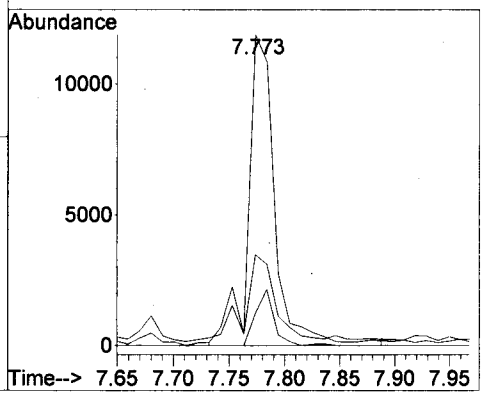


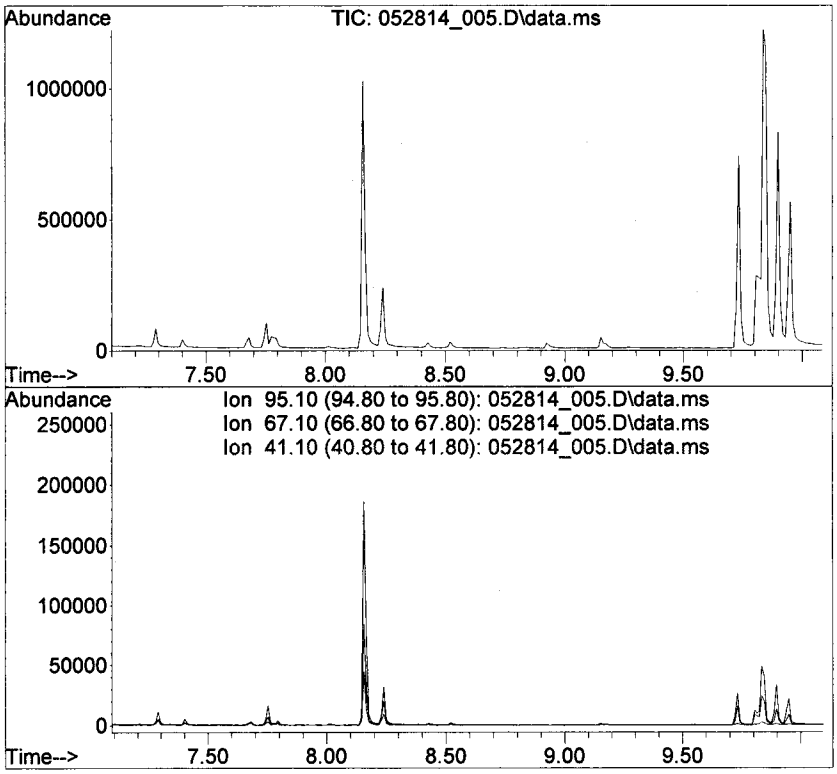


#3
PPH
Concen: 7.90 ug/mL m
RT: 7.773 min Scan# 404
Delta R.T. -0.011 min
Lab File: 052814_005.D
Acq: 28 May 2014 6:35 pm

Tgt Ion: 94 Resp: 20003

Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#



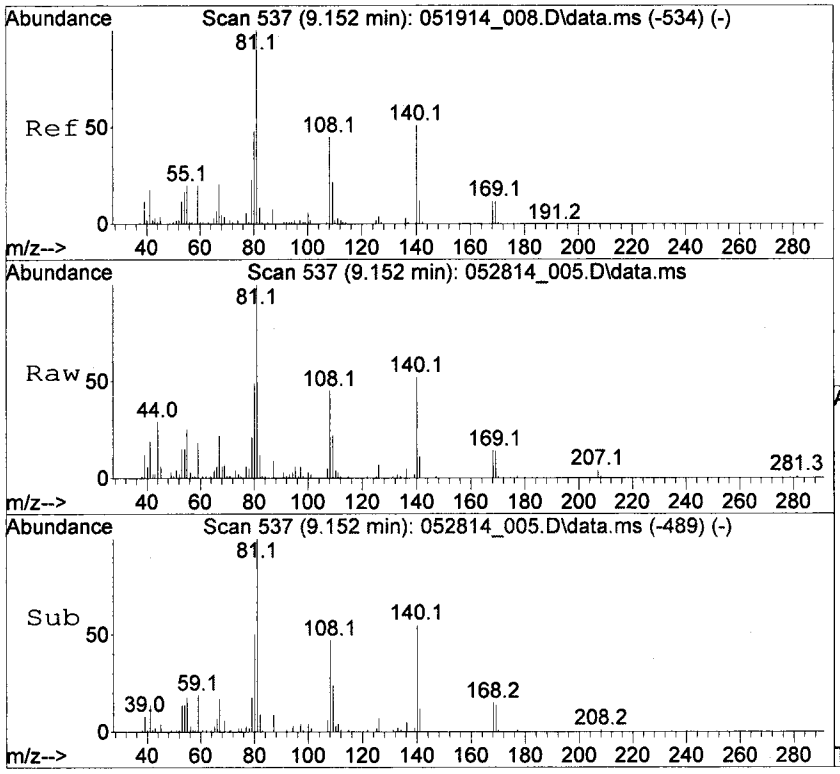


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_005.D
Acq: 28 May 2014 6:35 pm

Tgt Ion: 95

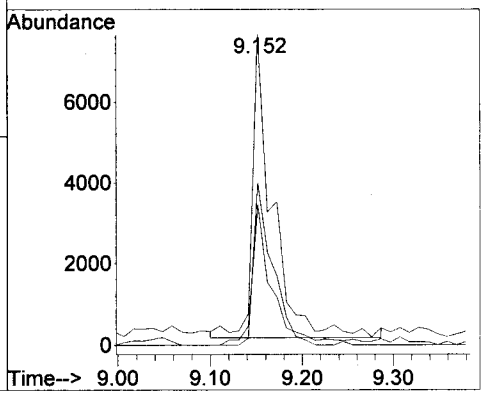
Sig	Exp Ratio
95	100
67	41.4
41	53.2

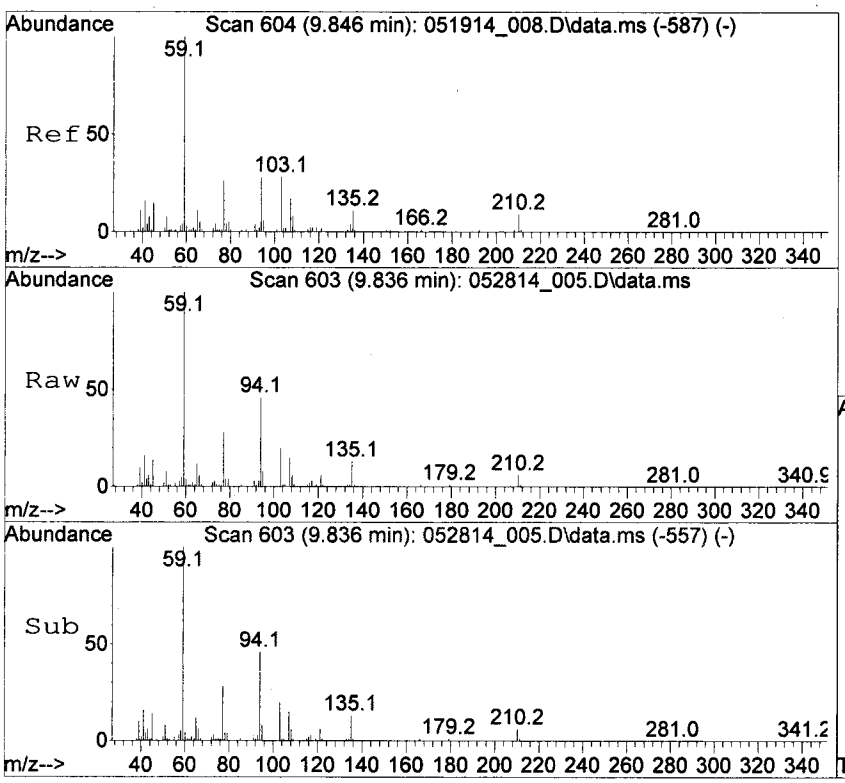


#5
DMCH-1,4-DC
Concen: 6.38 ug/mL m
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_005.D
Acq: 28 May 2014 6:35 pm

Tgt Ion: 81 Resp: 11429

Ion	Ratio	Lower	Upper
81	100		
108	0.0	29.0	43.4#
140	0.0	50.9	76.3#

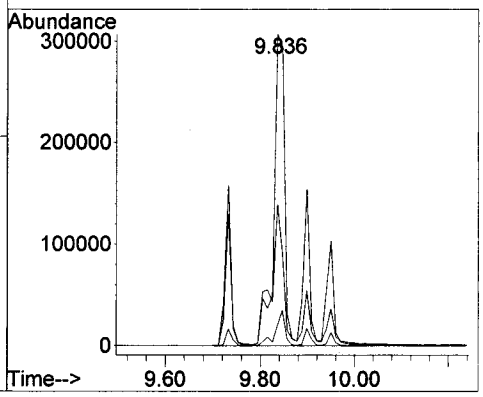




#6
di-PPH
Concen: 394.70 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 052814_005.D
Acq: 28 May 2014 6:35 pm

Tgt Ion: 59 Resp: 879121

Ion	Ratio	Lower	Upper
59	100		
94	28.9	24.0	36.0
210	5.5	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted]RP1581\
Data File : 052814_006.D
Acq On : 28 May 2014 7:05 pm
Operator [redacted]
Sample : N405006-01DUP2
Misc : 10 uL sample
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 12:52:55 2014
Quant Method : C:\msdchem\1\METHODS[redacted]RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

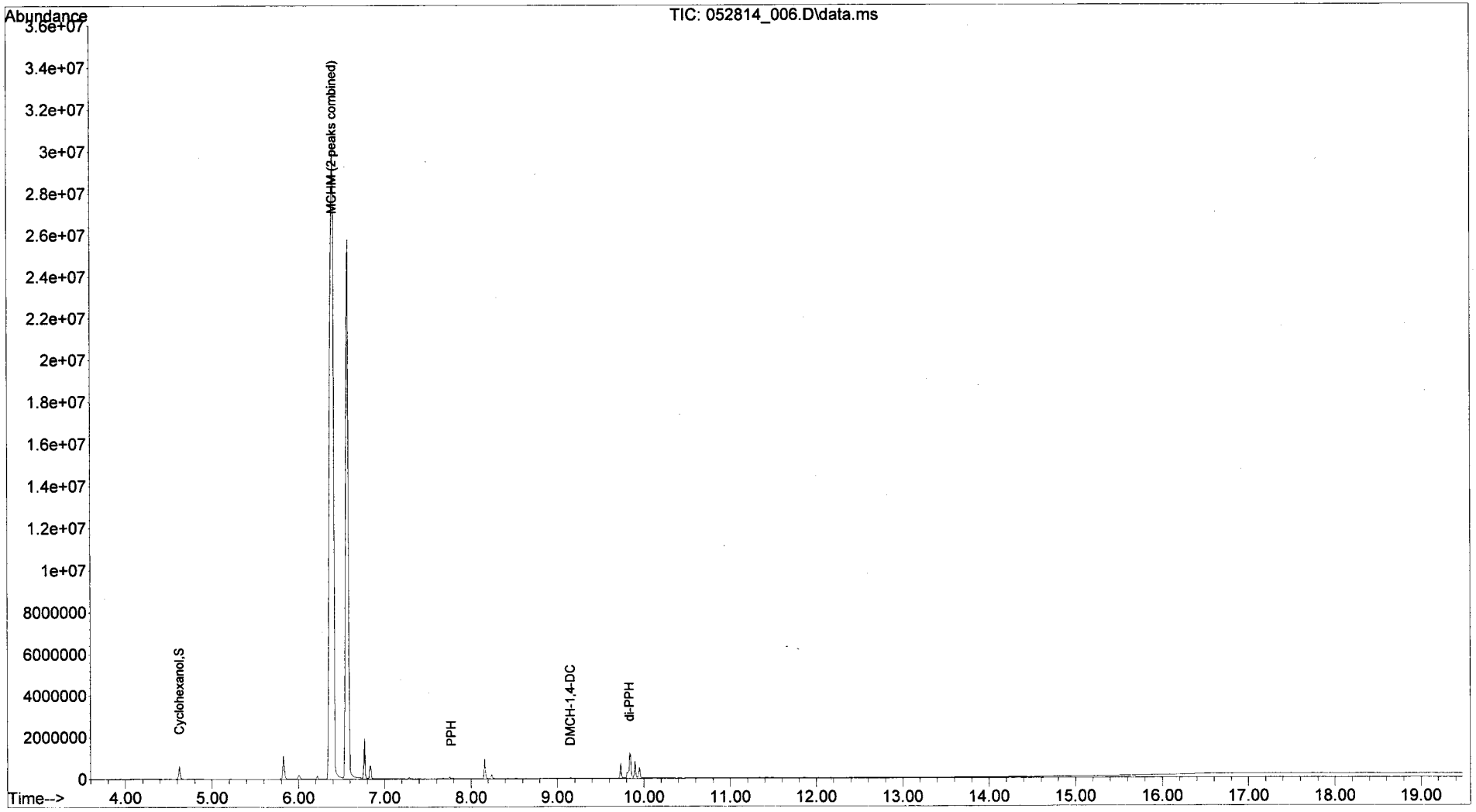
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	177944	55.17 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.406	55	34124409m	8186.58 ug/mL	
3) PPH	7.774	94	19480m	7.80 ug/mL	
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	11675m	6.46 ug/mL	
6) di-PPH	9.836	59	865005m	388.40 ug/mL	

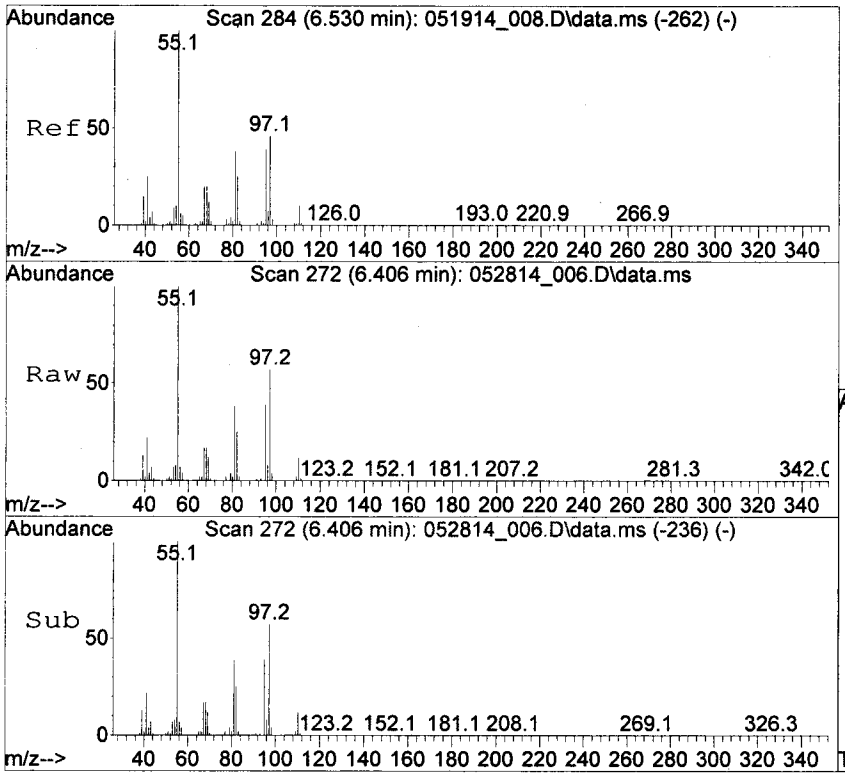
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_006.D
Acq On : 28 May 2014 7:05 pm
Operator : (b) (7)
Sample : N405006-01DUP2
Misc : 10 uL sample
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 12:52:55 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) P1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

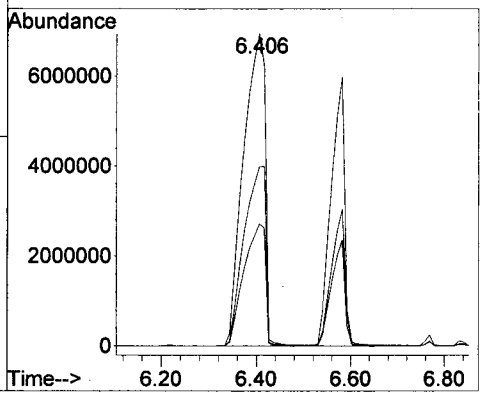


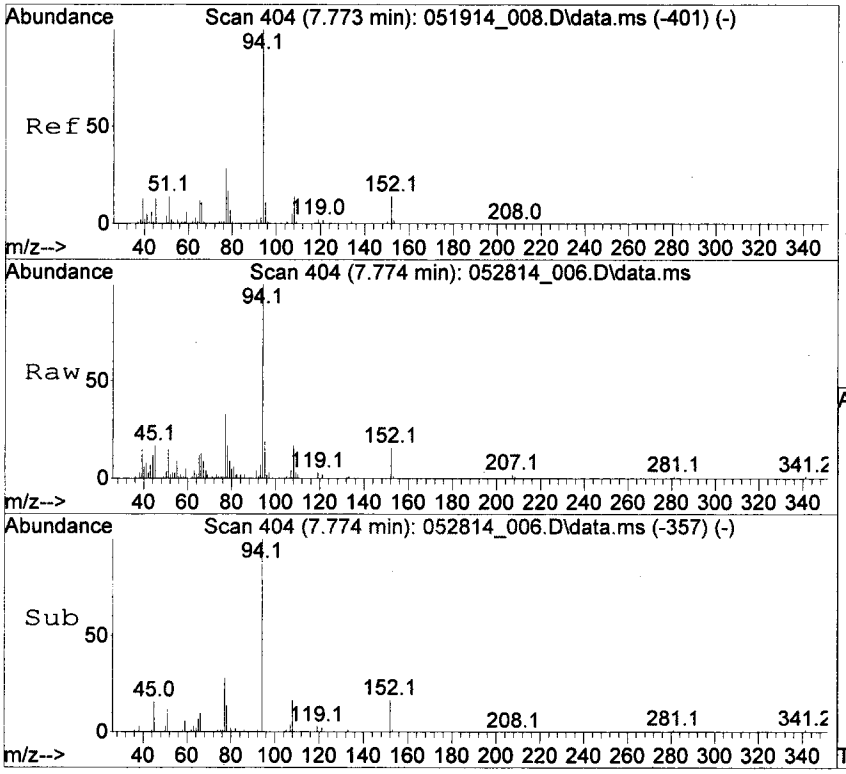


#2
MCHM (2 peaks combined)
Concen: 8186.58 ug/mL m
RT: 6.406 min Scan# 272
Delta R.T. -0.124 min
Lab File: 052814_006.D
Acq: 28 May 2014 7:05 pm

Tgt Ion: 55 Resp:34124409

Ion	Ratio	Lower	Upper
55	100		
97	17.7	31.5	47.3#
81	13.8	24.2	36.4#

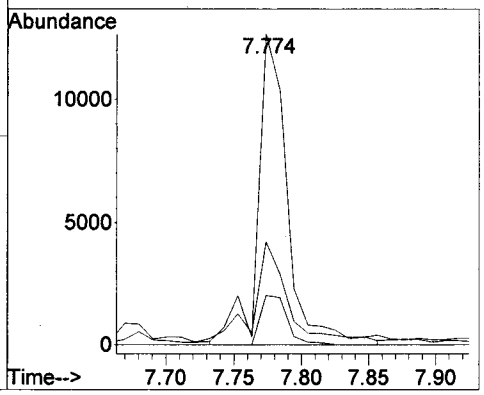


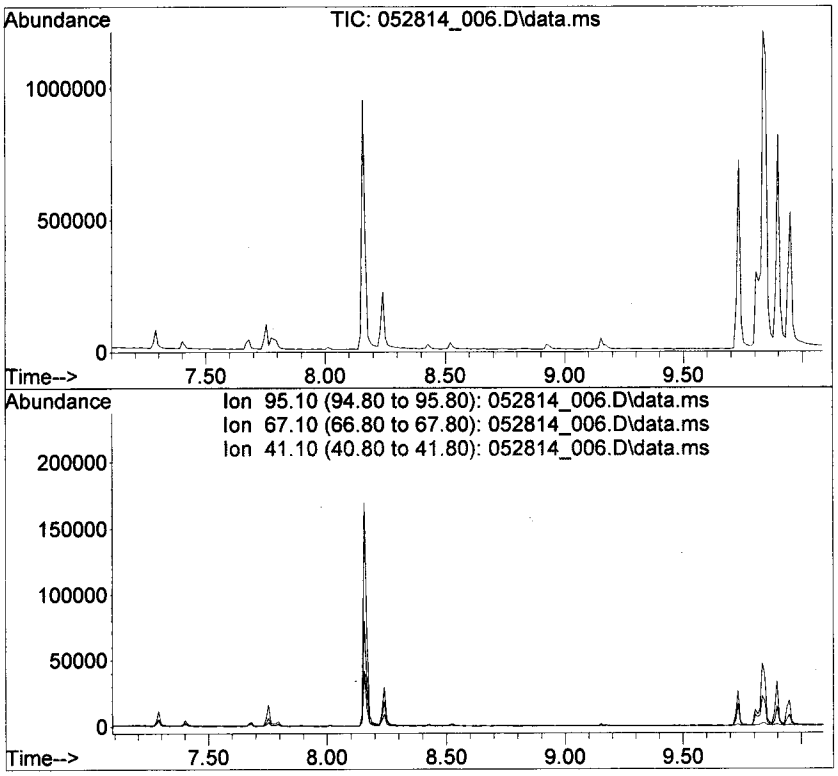


#3
PPH
Concen: 7.80 ug/mL m
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 052814_006.D
Acq: 28 May 2014 7:05 pm

Tgt Ion: 94 Resp: 19480

Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#



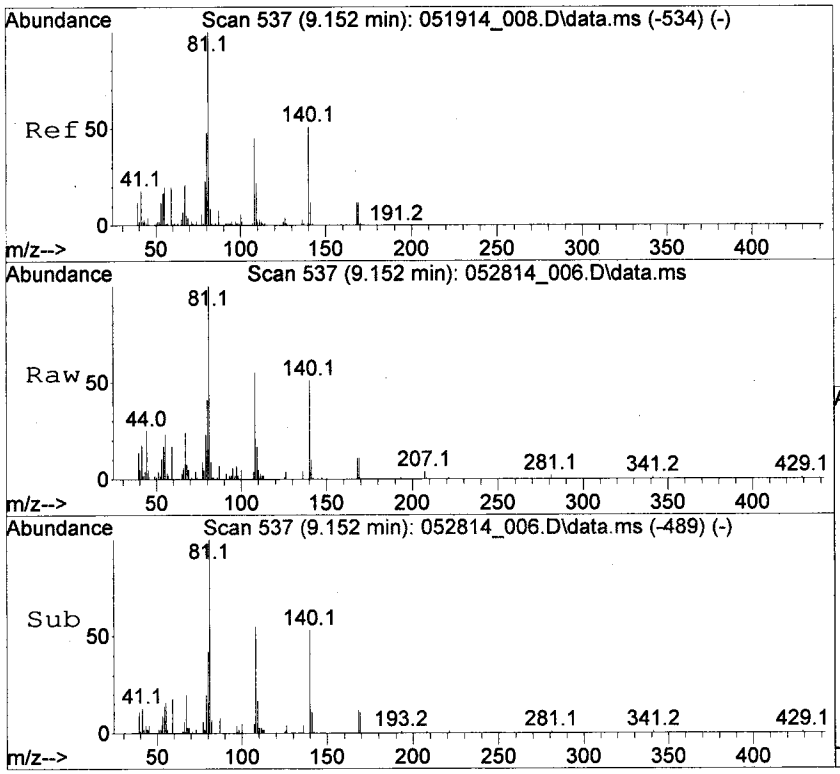


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_006.D
Acq: 28 May 2014 7:05 pm

Tgt Ion: 95

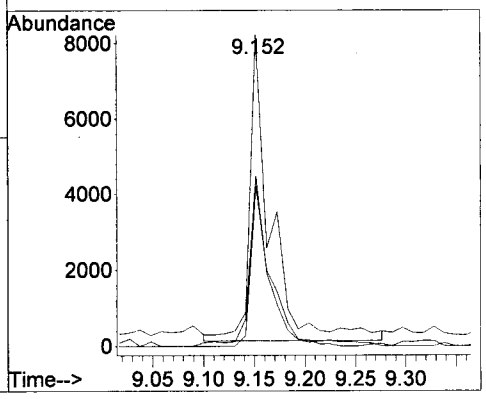
Sig	Exp Ratio
95	100
67	41.4
41	53.2

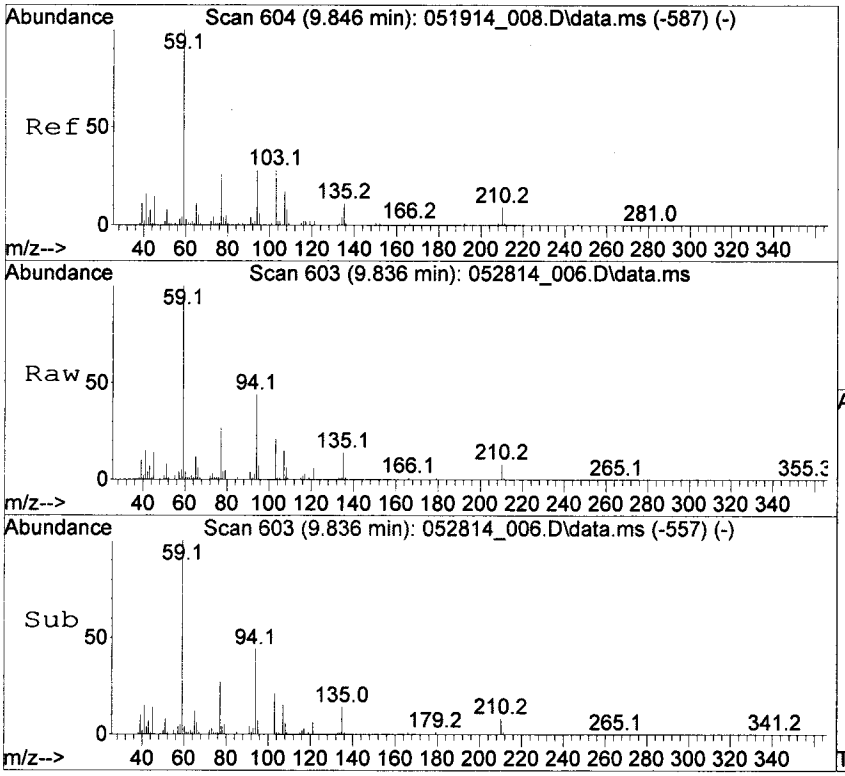


#5
DMCH-1,4-DC
Concen: 6.46 ug/mL m
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_006.D
Acq: 28 May 2014 7:05 pm

Tgt Ion: 81 Resp: 11675

Ion	Ratio	Lower	Upper
81	100		
108	0.0	29.0	43.4#
140	0.0	50.9	76.3#

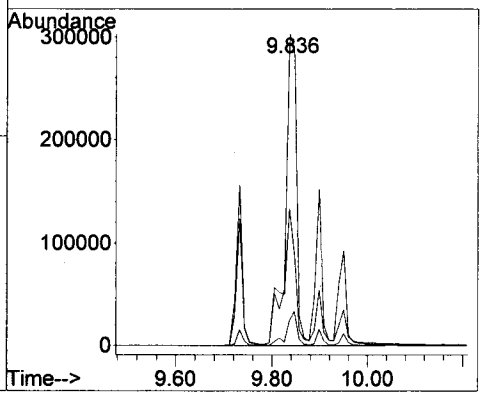




#6
di-PPH
Concen: 388.40 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 052814_006.D
Acq: 28 May 2014 7:05 pm

Tgt Ion: 59 Resp: 865005

Ion	Ratio	Lower	Upper
59	100		
94	29.2	24.0	36.0
210	5.5	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] (b) (7) (C) RP1581\
Data File : 052814_007.D
Acq On : 28 May 2014 7:35 pm
Operator [redacted] (b) (7)(C)
Sample : N405006-01MS1
Misc : 10 uL sample
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 12:53:57 2014
Quant Method : C:\msdchem\1\METHODS\[redacted] (b) (7) (C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

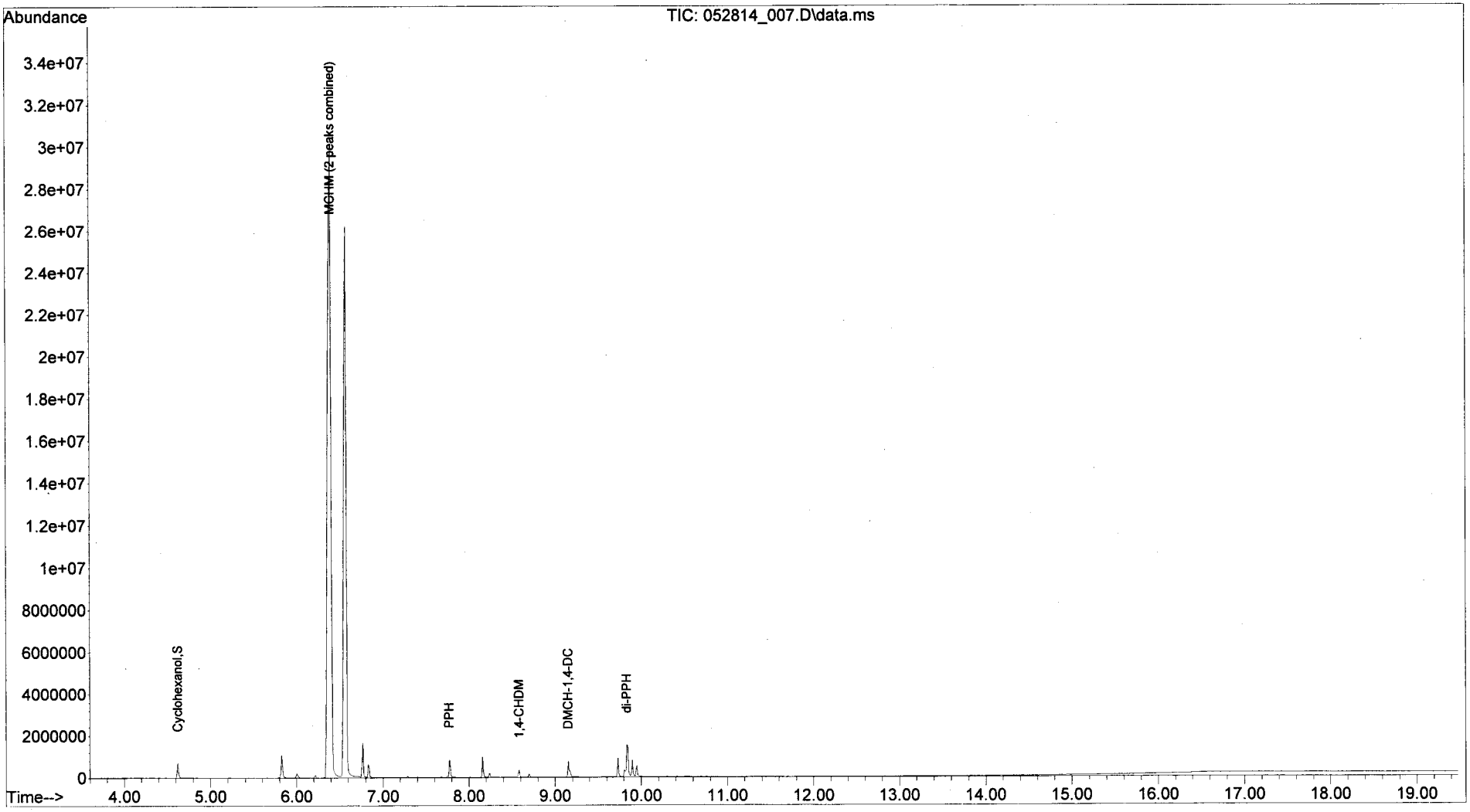
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) Cyclohexanol	4.623	57	191286	59.30	ug/mL	0.01
Target Compounds						Qvalue
2) MCHM (2 peaks combined)	6.406	55	30927700m	7419.93	ug/mL	
3) PPH	7.774	94	302452	60.55	ug/mL	96
4) 1,4-CHDM	8.582	95	125748m	61.78	ug/mL	
5) DMCH-1,4-DC	9.152	81	187751	58.70	ug/mL#	91
6) di-PPH	9.836	59	1063445m	476.91	ug/mL	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) \RP1581\
Data File : 052814_007.D
Acq On : 28 May 2014 7:35 pm
Operator : (b) (7)(C)
Sample : N405006-01MS1
Misc : 10 uL sample
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 12:53:57 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7)(C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DAT[redacted] (b) (7)(C) RP1581\
Data File : 052814_008.D
Acq On : 28 May 2014 8:04 pm
Operator : [redacted] (b) (7)(C)
Sample : N405006-07
Misc : 10 uL sample
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 12:55:02 2014
Quant Method : C:\msdchem\1\METHODS\[redacted] (b) (7)(C) _RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

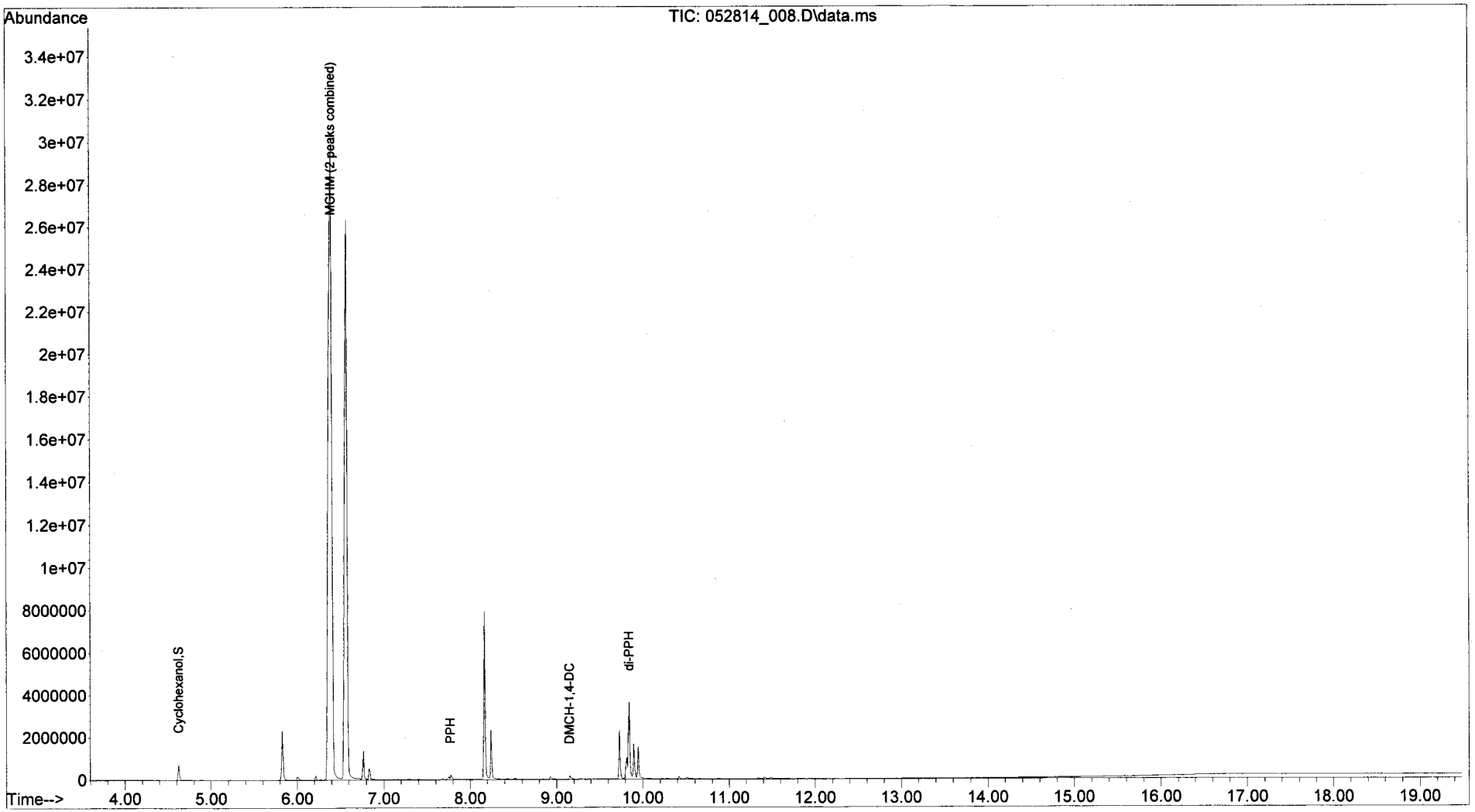
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) Cyclohexanol	4.623	57	208584	64.66	ug/mL	0.01
Target Compounds						Qvalue
2) MCHM (2 peaks combined)	6.406	55	31106371m	7462.78	ug/mL	
3) PPH	7.774	94	83735	19.78	ug/mL#	79
4) 1,4-CHDM	0.000		0	N.D.	d	
5) DMCH-1,4-DC	9.152	81	37398	14.09	ug/mL#	84
6) di-PPH	9.846	59	2361182m	1055.73	ug/mL	

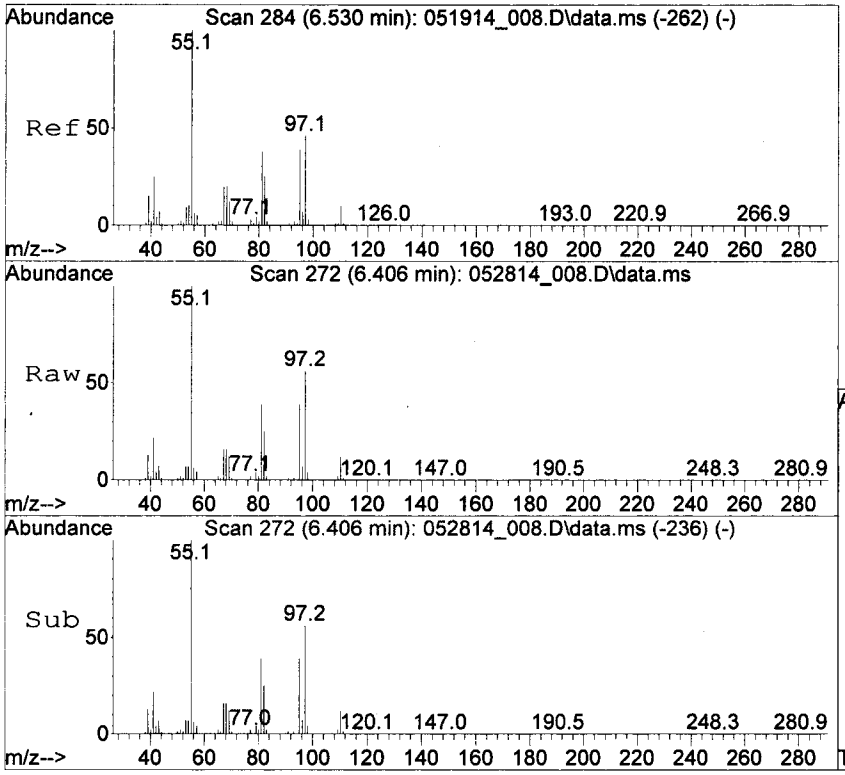
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA(b) (7)(C) RP1581\
Data File : 052814_008.D
Acq On : 28 May 2014 8:04 pm
Operator : (b)
Sample : N405006-07
Misc : 10 uL sample
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 12:55:02 2014
Quant Method : C:\msdchem\1\METHODS(b) (7) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

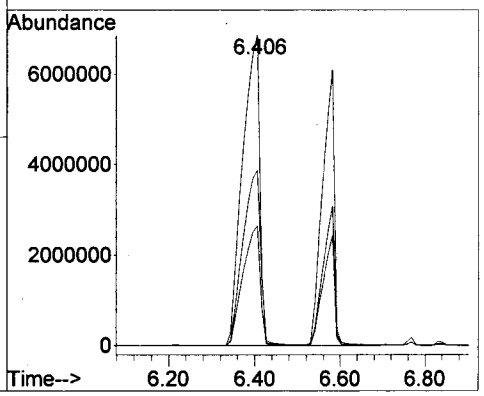


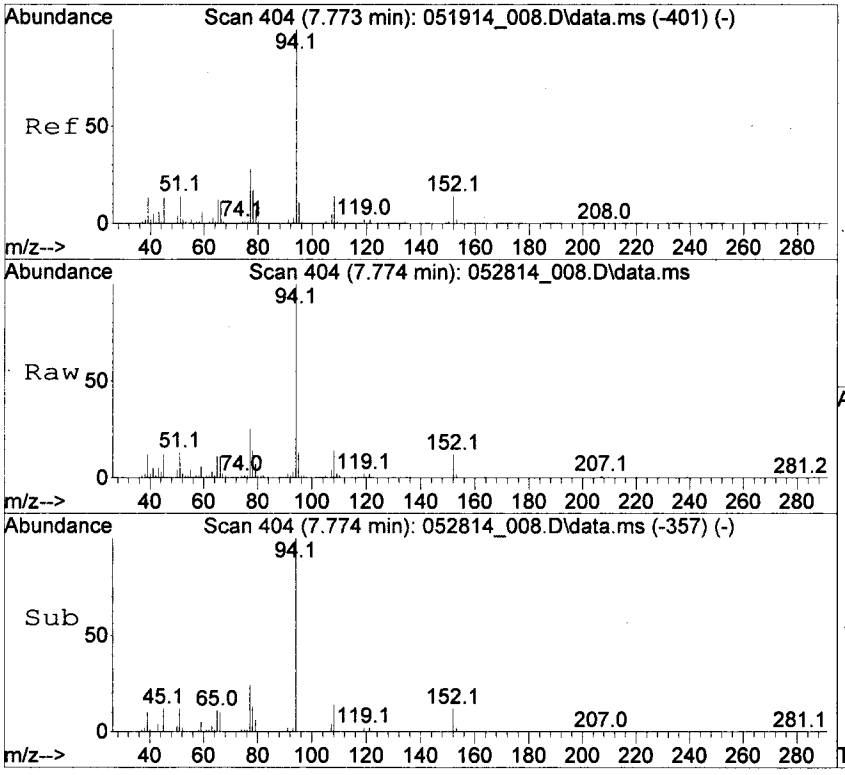


#2
MCHM (2 peaks combined)
Concen: 7462.78 ug/mL m
RT: 6.406 min Scan# 272
Delta R.T. -0.124 min
Lab File: 052814_008.D
Acq: 28 May 2014 8:04 pm

Tgt Ion: 55 Resp:31106371

Ion	Ratio	Lower	Upper
55	100		
97	18.9	31.5	47.3#
81	15.1	24.2	36.4#

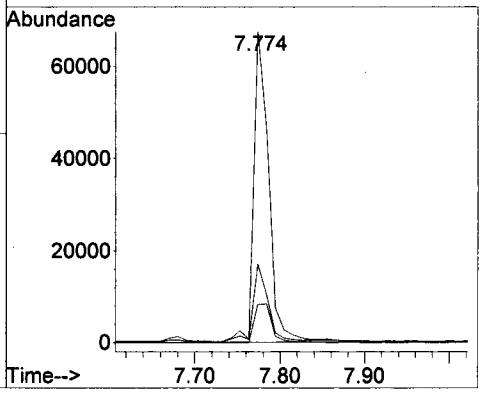


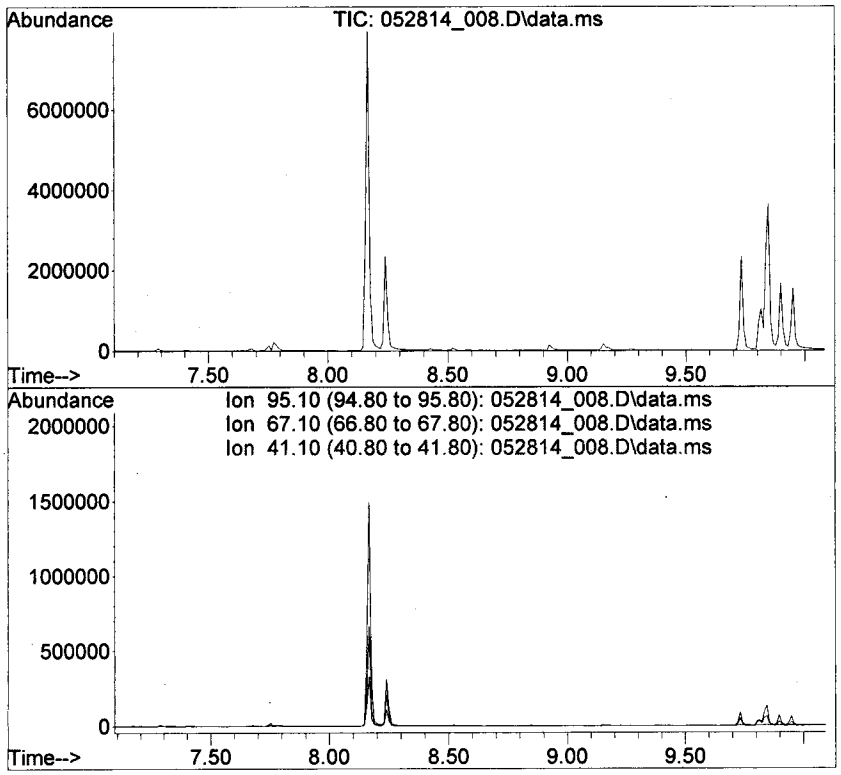


#3
PPH
Concen: 19.78 ug/mL
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 052814_008.D
Acq: 28 May 2014 8:04 pm

Tgt Ion: 94 Resp: 83735

Ion	Ratio	Lower	Upper
94	100		
77	25.7	19.0	28.4
152	0.0	14.9	22.3#



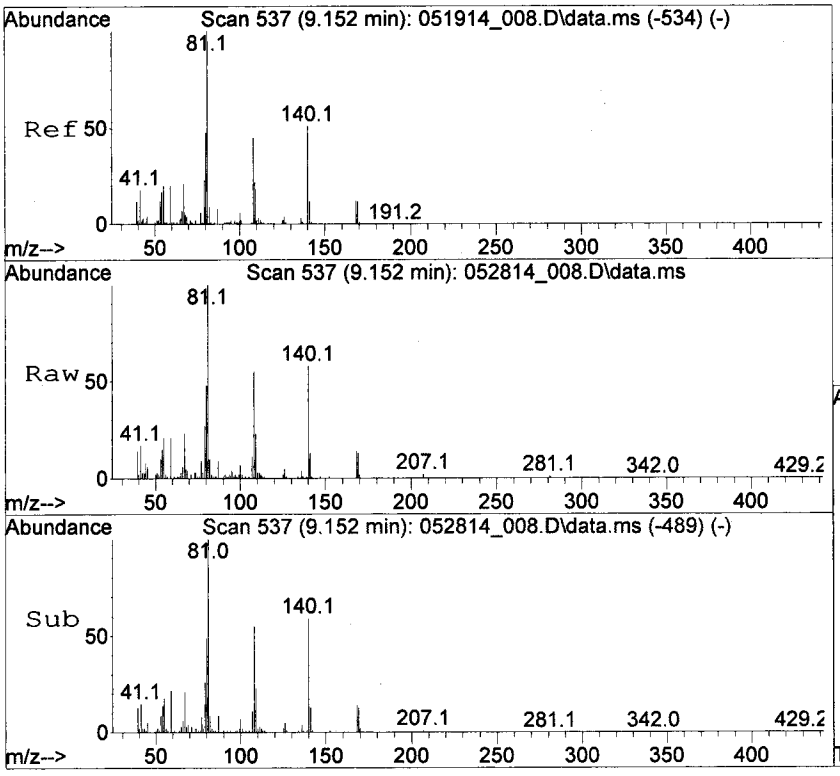


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_008.D
Acq: 28 May 2014 8:04 pm

Tgt Ion: 95

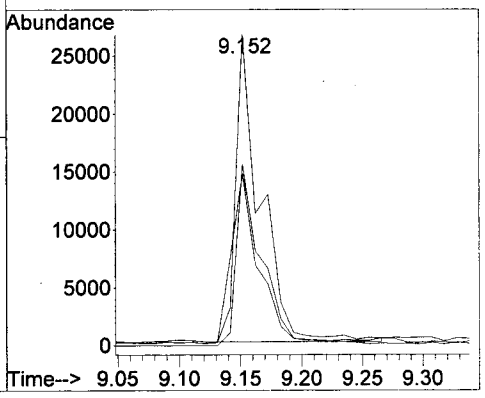
Sig	Exp Ratio
95	100
67	41.4
41	53.2

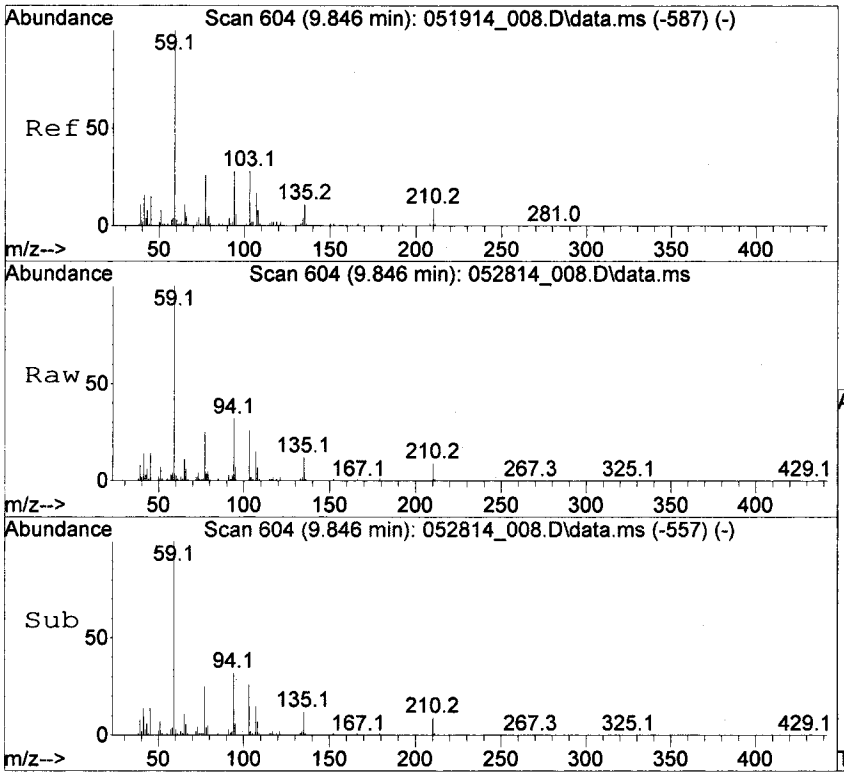


#5
DMCH-1,4-DC
Concen: 14.09 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_008.D
Acq: 28 May 2014 8:04 pm

Tgt Ion: 81 Resp: 37398

Ion	Ratio	Lower	Upper
81	100		
108	60.6	29.0	43.4#
140	61.8	50.9	76.3

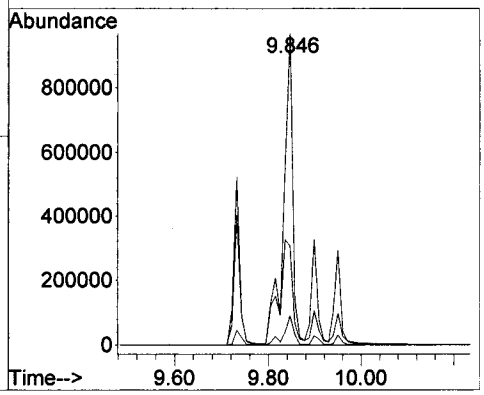




#6
di-PPH
Concen: 1055.73 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 052814_008.D
Acq: 28 May 2014 8:04 pm

Tgt Ion: 59 Resp: 2361182

Ion	Ratio	Lower	Upper
59	100		
94	30.6	24.0	36.0
210	5.6	7.2	10.8#



Library Search Report

Data Path : C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\
Data File : 052814_008.D
Acq On : 28 May 2014 8:04 pm
Operator : [redacted] (b) (7)
Sample : N405006-07
Misc : 10 uL sample
ALS Vial : 8 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	4.623	0.51	C:\Database\NIST05a.L			
			Cyclohexanol	3714	000108-93-0	97
			Cyclohexanol	3712	000108-93-0	91
			2-Hexen-1-ol, (Z)-	3727	000928-94-9	81
2	5.825	1.64	C:\Database\NIST05a.L			
			Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
			Cyclohexanemethanol	7273	000100-49-2	72
3	6.001	0.16	C:\Database\NIST05a.L			
			1-Hexanol, 2-ethyl-	13229	000104-76-7	83
			1-Hexanol, 2-ethyl-	13237	000104-76-7	56
			1-Hexanol, 2-ethyl-	13236	000104-76-7	53
4	6.219	0.13	C:\Database\NIST05a.L			
			6-Nonynoic acid, methyl ester	34600	020731-17-3	59
			Bicyclo[3.2.2]non-8-en-6-ol, (1R,5-cis,6-cis)-	17046	1000141-73-3	47
			Bicyclo[4.1.0]hept-2-ene	2553	002566-57-6	47
5	6.406	50.53	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 4-methyl-, trans-	12246	003937-49-3	72
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
			Cycloheptanemethanol	12097	004448-75-3	53
6	6.582	31.49	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	53
			Cycloheptanemethanol	12097	004448-75-3	53
			Cyclohexanemethanol, 4-methyl-, trans-	12246	003937-49-3	50
7	6.768	0.82	C:\Database\NIST05a.L			
			Cyclohexanecarboxylic acid, 4-methyl-, methyl ester	27897	051181-40-9	91
			Hexanoic acid, 2-methyl-4-methylene-, methyl ester	27894	1000152-05-4	27
			3-Cyclohexene-1-carboxylic acid, 6-amino-, trans-	18298	097945-19-2	22
8	6.830	0.41	C:\Database\NIST05a.L			
			Hexanoic acid, 2-methyl-4-methylene-, methyl ester	27894	1000152-05-4	43
			Cyclohexanecarboxylic acid, 4-methyl-, methyl ester	27897	051181-40-9	43
			Cycloheptanemethanol	12094	004448-75-3	38
9	7.286	0.03	C:\Database\NIST05a.L			
			1,3-Dimethyl-1-cyclohexene	5824	002808-76-6	38
			1,4-Pentadiene, 2,3,4-trimethyl-	5861	072014-90-5	35
			1,4-Pentadiene, 2,3,3-trimethyl-	5865	000756-02-5	35
10	7.400	0.02	C:\Database\NIST05a.L			
			Bicyclo[2.2.1]heptane-2,3-dione, 1	33312	010334-26-6	59

Library Search Report

Data Path : C:\msdchem\1\DATA[redacted]\RP1581\
Data File : 052814_008.D
Acq On : 28 May 2014 8:04 pm
Operator : [redacted]
Sample : N405006-07
Misc : 10 uL sample
ALS Vial : 8 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			,7,7-trimethyl-, (1R)-			
			Cyclopropane carboxamide, 2-cyclopropyl-2-methyl-N-(1-cyclopropylethyl)-	62199	331416-19-4	46
			Cyclopentene, 1,2,3-trimethyl-	5846	000473-91-6	38
11	7.680	0.04	C:\Database\NIST05a.L			
			Cyclohexanecarboxaldehyde, 4-(hydroxymethyl)-	19125	092385-32-5	50
			Pentaleno[1,2-b]oxirene, octahydro-, (1a.alpha.,1b.alpha.,4a.beta.,5a.alpha.)-	10261	055449-71-3	45
			1-Methylcyclooctene	10296	000933-11-9	30
12	7.774	0.25	C:\Database\NIST05a.L			
			1-Propanol, 3-phenoxy-	24888	006180-61-6	87
			Ethanol, 2-phenoxy-	16696	000122-99-6	64
			1-Phenoxypropan-2-ol	24877	000770-35-4	64
13	8.167	4.78	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohexene	11127	029474-11-1	74
			1,4-Cyclohexanedimethanol	20107	000105-08-8	43
			Cyclohexanol, 2-methylene-6-methyl	11118	1000196-32-3	43
14	8.240	1.46	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohexene	11127	029474-11-1	64
			1,4-Cyclohexanedimethanol	20108	000105-08-8	38
			1,4-Pentadiene, 2,3,3-trimethyl-	5865	000756-02-5	35
15	8.426	0.05	C:\Database\NIST05a.L			
			9-Azadispiro[3.1.3.0]nonane	9898	135763-48-3	42
			Bicyclo[3.3.1]nonan-2-ol, endo-	18099	010036-25-6	42
			Norbornane, 1-methyl-2-hydroxy-	11092	1000197-58-0	41
16	8.520	0.04	C:\Database\NIST05a.L			
			Bicyclo[3.3.1]nonan-2-one, 9-hydroxy-, syn-	26558	057790-40-6	53
			1H-Pyrrole, 2,4-dimethyl-	2625	000625-82-1	38
			Methyl ethyl cyclopentene	5808	019780-56-4	35
17	8.582	0.02	C:\Database\NIST05a.L			
			1,4-Cyclohexanedimethanol	20102	000105-08-8	64
			1,4-Cyclohexanedimethanol	20107	000105-08-8	53
			Cyclopentane, (3-methylbutylidene)	16383	053366-51-1	43
18	8.841	0.02	C:\Database\NIST05a.L			
			Undec-10-ynoic acid	44325	002777-65-3	27
			cis-1-Methyl-2-(2'-propenyl)cyclopropane	2870	076588-97-1	22
			Benzo[c]thiophene, octahydro-, cis	19154	054053-76-8	18
19	8.924	0.10	C:\Database\NIST05a.L			
			Phenol, 4-(2-aminoethyl)-	16168	000051-67-2	52

Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_008.D
Acq On : 28 May 2014 8:04 pm
Operator (b) (7) (C)
Sample 006-07
Misc : 10 uL sample
ALS Vial : 8 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			Phenol, 2-methyl-	5237	000095-48-7	52
			Phenol, 4-methyl-	5225	000106-44-5	49
20	9.152	0.14	C:\Database\NIST05a.L			
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56831	000094-60-0	90
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56829	000094-60-0	70
			1-Methylbicyclo[2.2.1]heptan-exo-2-ol	11124	1000138-89-9	46
21	9.266	0.02	C:\Database\NIST05a.L			
			Phenol, 4-(1-methylethyl)-	15898	000099-89-8	52
			Phenol, 2-(1-methylpropyl)-	22761	000089-72-5	50
			2-(4-Methoxyphenyl)ethanol	24908	000702-23-8	43
22	9.732	1.31	C:\Database\NIST05a.L			
			Methane, isopropoxyphenoxy-	33181	000828-12-6	38
			Benzene, [(3-methyl-2-butenyl)oxy]	30727	014309-15-0	35
			Carbonic acid, (3,4,4-trimethyl-1,2-dioxetan-3-yl)methyl phenyl este	93085	109123-69-5	35
23	9.846	3.51	C:\Database\NIST05a.L			
			2,5,8,11,14,17-Hexaoxaoctadecane	102216	001191-87-3	43
			1-Propanol, 2-(2-hydroxypropoxy)-	14627	000106-62-7	43
			Methane, diethoxy-	4636	000462-95-3	43
24	9.898	1.01	C:\Database\NIST05a.L			
			Benzene, (2-methoxyethoxy)-	24919	041532-81-4	37
			Methane, diethoxy-	4635	000462-95-3	35
			Hexaethylene glycol dimethyl ether	130656	001072-40-8	35
25	9.950	1.00	C:\Database\NIST05a.L			
			Benzene, (2-methoxyethoxy)-	24919	041532-81-4	43
			2-Butanol, 3,3'-oxybis-	31180	054305-61-2	35
			Methane, diethoxy-	4635	000462-95-3	35
26	10.281	0.01	C:\Database\NIST05a.L			
			2-Ethylacridine	62222	055751-83-2	27
			trans-3-Ethoxy-b-methyl-b-nitrostyrene	61989	023037-46-9	15
			Heptasiloxane, 1,1,3,3,5,5,7,7,9,9,11,11,13,13-tetradecamethyl-	184742	019095-23-9	14
27	10.416	0.07	C:\Database\NIST05a.L			
			1,2-Butanediol, 1-phenyl-	33174	022607-13-2	59
			Acetic acid, m-tolyl ester	23454	000122-46-3	53
			Phenol, 4-(2-aminoethyl)-	16177	000051-67-2	53
28	10.509	0.06	C:\Database\NIST05a.L			
			p-Methoxybenzylazidoformate	62357	025474-85-5	35
			1H-Inden-1-one, 2,3,3a,4,5,7a-hexahydro-4,4,7a-trimethyl-	41705	109629-65-4	35
			Benzenepropanoic acid, .alpha.-hydroxy-4-methoxy-, methyl ester	63994	055301-58-1	30

Library Search Report

Data Path : C:\msdchem\1\DAT[redacted] (b) (7)(C) RP1581\
Data File : 052814_008.D
Acq On : 28 May 2014 8:04 pm
Operator : [redacted] (b) (7) (C)
Sample : [redacted] 06-07
Misc : 10 uL sample
ALS Vial : 8 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
29	10.654	0.02	C:\Database\NIST05a.L			
			3-Oxabicyclo[3.3.1]non-6-ene, 6,8, 9-trimethyl-4-propyl-	62965	1000277-07-8	25
			Carbonic acid, 2,3-dimethylphenyl methyl ester	42756	054644-37-0	25
			Benzonitrile, 4-fluoro-	9222	001194-02-1	25
30	10.872	0.02	C:\Database\NIST05a.L			
			Bufexamac	73479	002438-72-4	50
			N-m-Tolyl-succinamic acid	61960	1000317-38-9	50
			2-Oxazolidinone, 4,5-diphenyl-, trans-	84551	019190-95-5	47
31	11.338	0.04	C:\Database\NIST05a.L			
			2-Furanmethanol, tetrahydro-.alpha.,.alpha.,5-trimethyl-5-(4-methyl-3-cyclohexen-1-yl)-, [2S-[2.alpha.,5.beta.(R*)]]-	83898	026184-88-3	38
			N-Benzoyl-d-threo-O-methylthreonin	82960	131644-54-7	35
			Acetic acid, chloro-, methyl ester	5090	000096-34-4	27
32	11.411	0.10	C:\Database\NIST05a.L			
			2-Furanmethanol, tetrahydro-.alpha.,.alpha.,5-trimethyl-5-(4-methyl-3-cyclohexen-1-yl)-, [2S-[2.alpha.,5.beta.(R*)]]-	83898	026184-88-3	46
			Hexylene Glycol	8543	000107-41-5	22
			Ethane, 1-bromo-2-ethoxy-	24503	000592-55-2	17
33	11.494	0.09	C:\Database\NIST05a.L			
			2-Furanmethanol, tetrahydro-.alpha.,.alpha.,5-trimethyl-5-(4-methyl-3-cyclohexen-1-yl)-, [2S-[2.alpha.,5.beta.(R*)]]-	83898	026184-88-3	35
			Butanamide, 3,3-dimethyl-	7620	000926-04-5	27
			Silane, trimethyl-	784	000993-07-7	27
34	11.577	0.03	C:\Database\NIST05a.L			
			Butanamide	1831	000541-35-5	35
			Butanamide	1836	000541-35-5	35
			Phenol, 4,4'-(1,2-diethyl-1,2-ethanediyl)bis-, (R*,S*)-	105715	000084-16-2	22
35	11.794	0.04	C:\Database\NIST05a.L			
			3-Cyclohexene-1-ethanol, .alpha.-ethenyl-.alpha.,3-dimethyl-6-(1-methylethylidene)-	71456	055780-93-3	27
			Propane-1,3-diol 3-nitro-benzenebo ronate	62338	085107-44-4	27
			2,4-Quinolinediol	30432	000086-95-3	22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_009.D
Acq On : 28 May 2014 8:34 pm
Operator (b) (7)(C)
Sample : N405006-11
Misc : 10 uL sample
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 12:55:57 2014
Quant Method : C:\msdchem\1\METHOD (b) (7) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

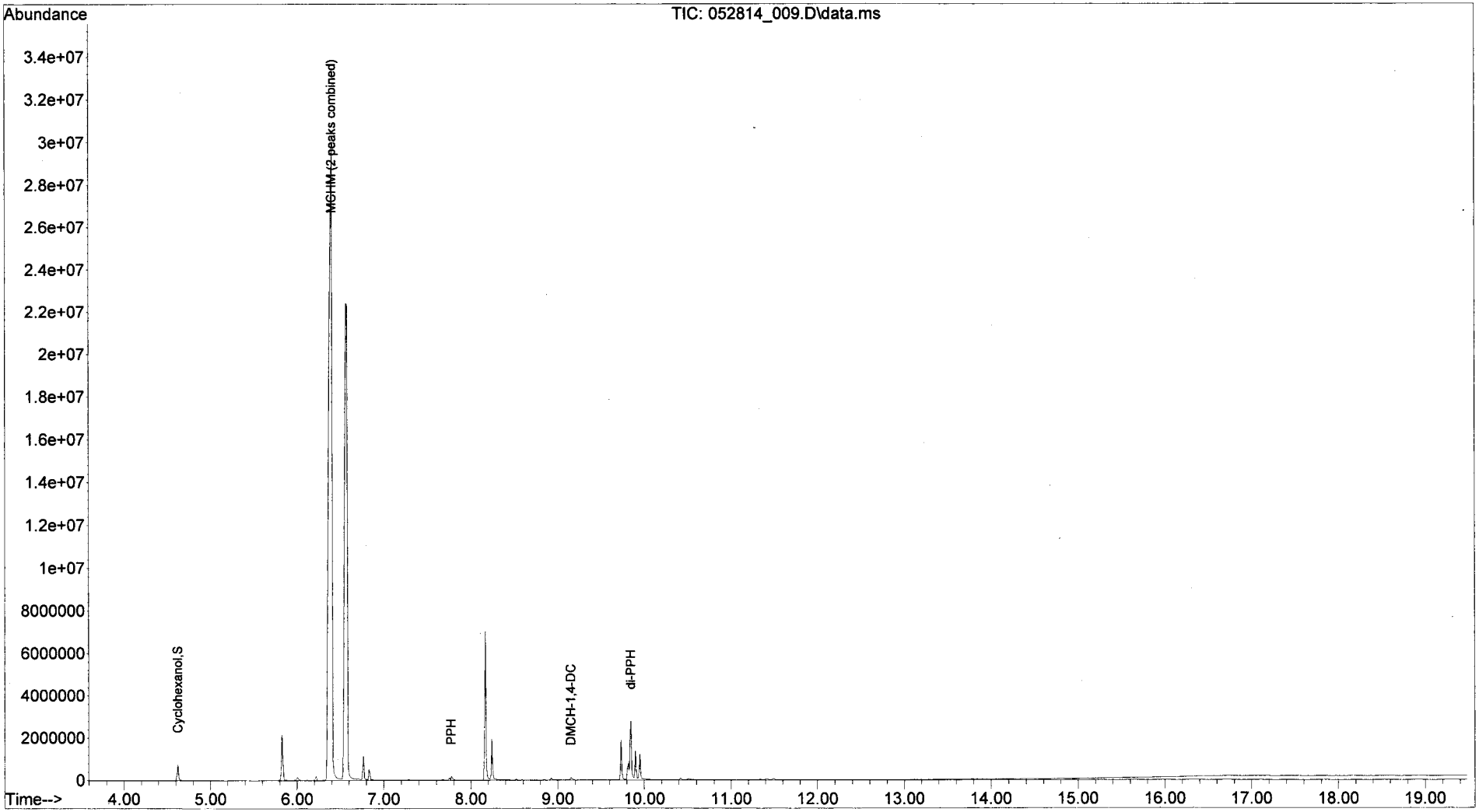
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) Cyclohexanol	4.623	57	206851	64.13	ug/mL	0.01
Target Compounds						Qvalue
2) MCHM (2 peaks combined)	6.406	55	29778481m	7144.31	ug/mL	
3) PPH	7.773	94	63889	16.08	ug/mL#	55
4) 1,4-CHDM	0.000		0	N.D.	d	
5) DMCH-1,4-DC	9.152	81	30291	11.98	ug/mL#	26
6) di-PPH	9.846	59	1858965m	831.73	ug/mL	

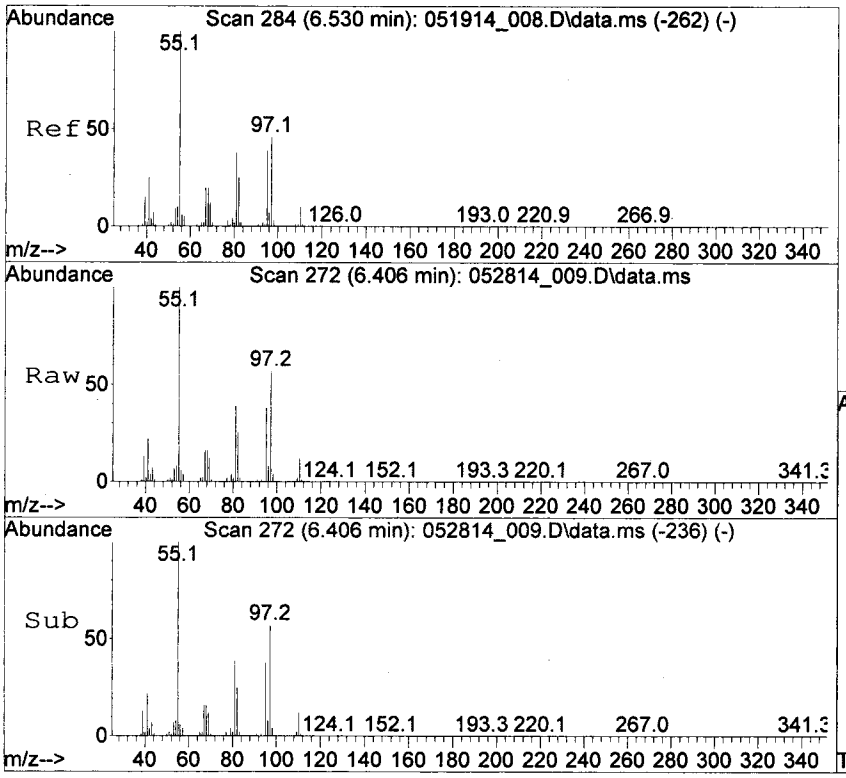
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\
Data File : 052814_009.D
Acq On : 28 May 2014 8:34 pm
Operator : [redacted] (b) (7)
Sample : N405006-11
Misc : 10 uL sample
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 12:55:57 2014
Quant Method : C:\msdchem\1\METHODS\[redacted] (b) (7) (C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

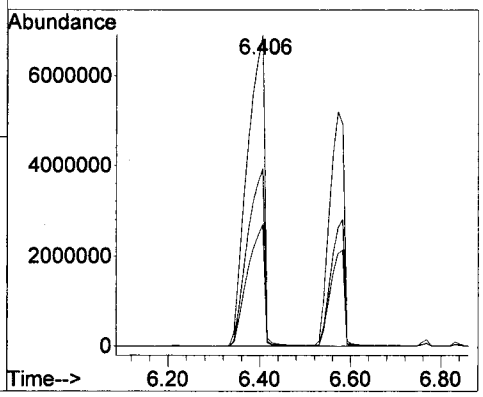


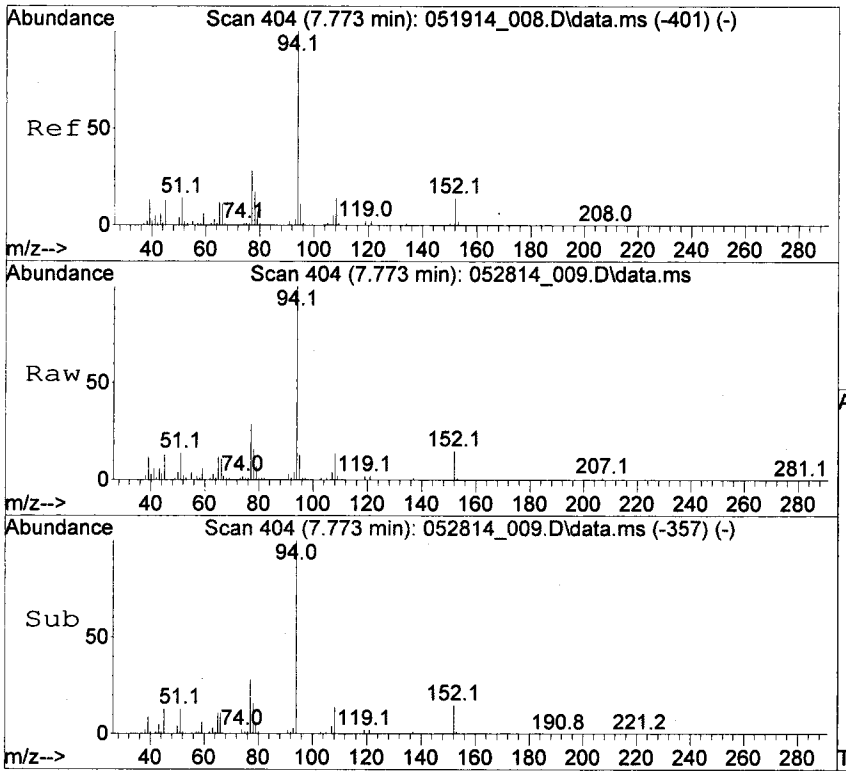


#2
MCHM (2 peaks combined)
Concen: 7144.31 ug/mL m
RT: 6.406 min Scan# 272
Delta R.T. -0.124 min
Lab File: 052814_009.D
Acq: 28 May 2014 8:34 pm

Tgt Ion: 55 Resp:29778481

Ion	Ratio	Lower	Upper
55	100		
97	0.2	31.5	47.3#
81	0.1	24.2	36.4#

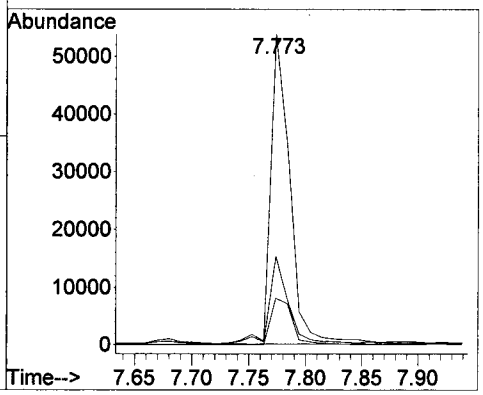


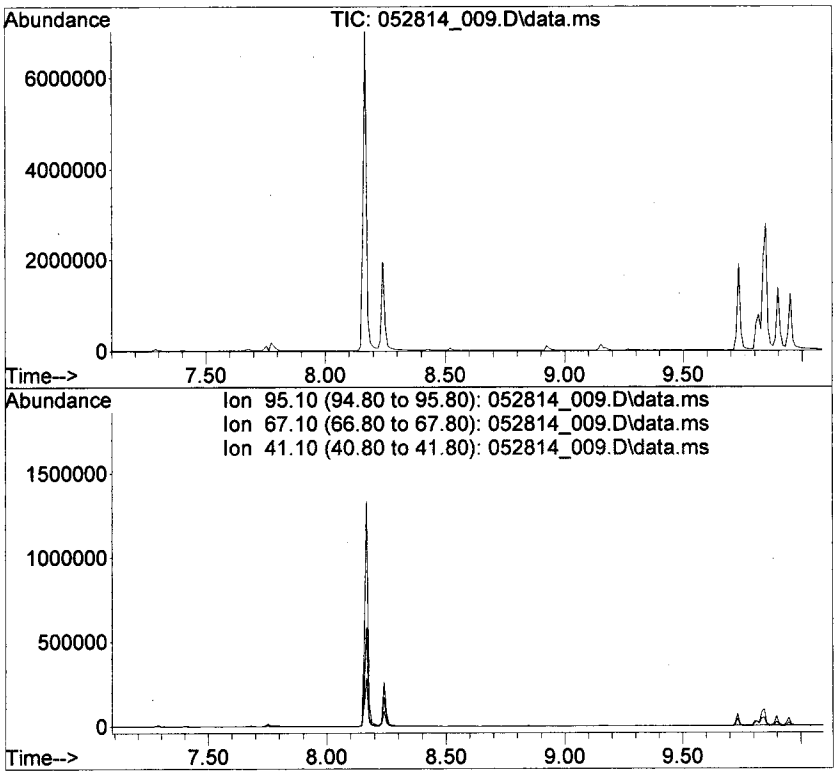


#3
PPH
Concen: 16.08 ug/mL
RT: 7.773 min Scan# 404
Delta R.T. -0.011 min
Lab File: 052814_009.D
Acq: 28 May 2014 8:34 pm

Tgt Ion: 94 Resp: 63889

Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#



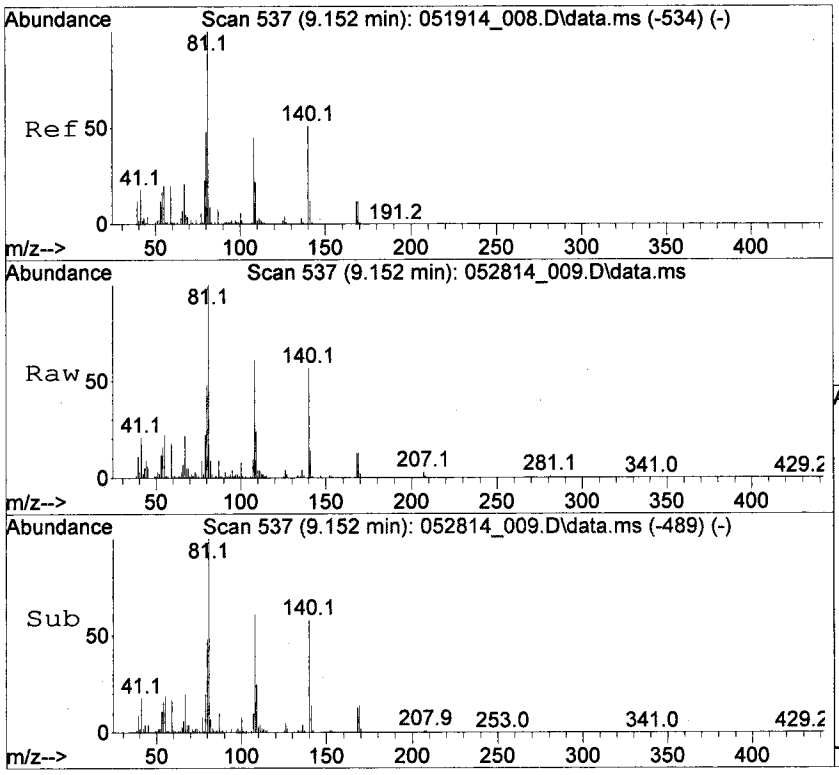


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_009.D
Acq: 28 May 2014 8:34 pm

Tgt Ion: 95

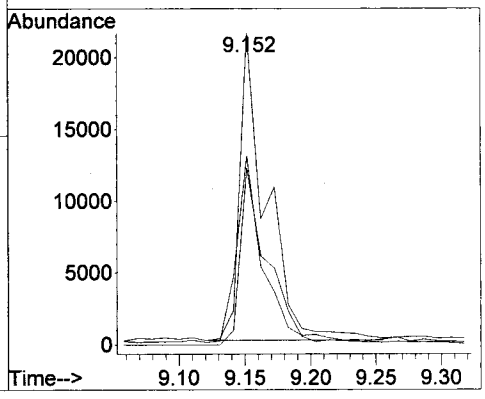
Sig	Exp Ratio
95	100
67	41.4
41	53.2

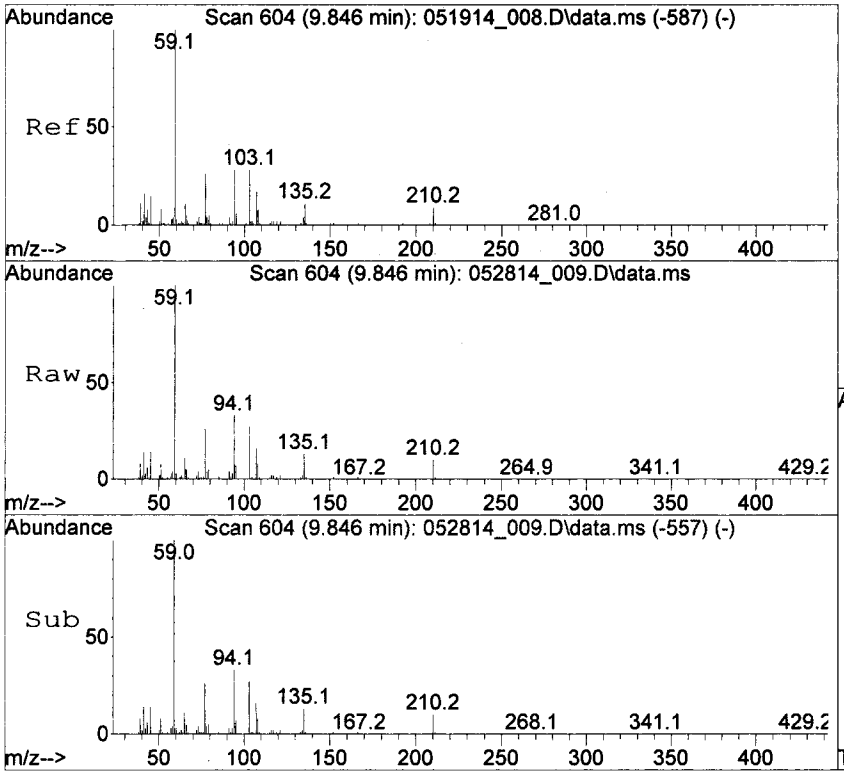


#5
DMCH-1,4-DC
Concen: 11.98 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_009.D
Acq: 28 May 2014 8:34 pm

Tgt Ion: 81 Resp: 30291

Ion	Ratio	Lower	Upper
81	100		
108	0.0	29.0	43.4#
140	0.0	50.9	76.3#

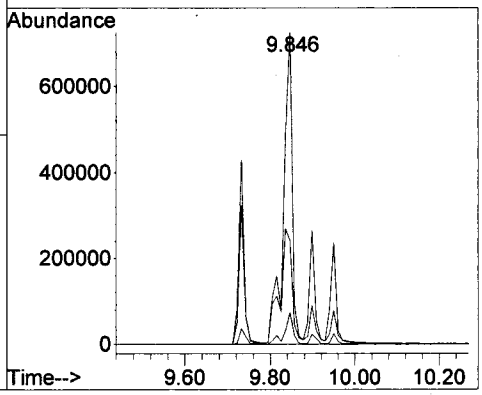




#6
di-PPH
Concen: 831.73 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 052814_009.D
Acq: 28 May 2014 8:34 pm

Tgt Ion: 59 Resp: 1858965

Ion	Ratio	Lower	Upper
59	100		
94	31.0	24.0	36.0
210	5.5	7.2	10.8#



Library Search Report

Data Path : C:\msdchem\1\DATA[redacted]\RP1581\
Data File : 052814_009.D
Acq On : 28 May 2014 8:34 pm
Operator : [redacted]
Sample : N405006-11
Misc : 10 uL sample
ALS Vial : 9 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	4.623	0.53	C:\Database\NIST05a.L			
			Cyclohexanol	3714	000108-93-0	97
			Cyclohexanol	3712	000108-93-0	91
			Cyclohexanol	3713	000108-93-0	90
2	5.825	1.56	C:\Database\NIST05a.L			
			Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
			Cyclohexanemethanol	7279	000100-49-2	78
3	6.001	0.14	C:\Database\NIST05a.L			
			1-Hexanol, 2-ethyl-	13229	000104-76-7	83
			1-Hexanol, 2-ethyl-	13237	000104-76-7	83
			1-Hexanol, 2-ethyl-	13236	000104-76-7	78
4	6.219	0.13	C:\Database\NIST05a.L			
			3-Cyclohexene-1-acetaldehyde, .alpha.,4-dimethyl-	24273	029548-14-9	53
			6-Nonynoic acid, methyl ester	34600	020731-17-3	53
			Bicyclo[3.2.2]non-8-en-6-ol, (1R,5-cis,6-cis)-	17046	1000141-73-3	47
5	6.406	50.92	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 4-methyl-, trans-	12246	003937-49-3	72
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
			Cycloheptanemethanol	12097	004448-75-3	53
6	6.571	32.95	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	53
			Cycloheptanemethanol	12097	004448-75-3	53
			Cyclohexanemethanol, 4-methyl-, trans-	12246	003937-49-3	50
7	6.768	0.78	C:\Database\NIST05a.L			
			Cyclohexanecarboxylic acid, 4-methyl-, methyl ester	27897	051181-40-9	53
			2-Octenoic acid, methyl ester	27781	002396-85-2	38
			Cycloheptanecarboxylic acid	18976	001460-16-8	22
8	6.830	0.40	C:\Database\NIST05a.L			
			Hexanoic acid, 2-methyl-4-methylene-, methyl ester	27894	1000152-05-4	47
			Cycloheptanemethanol	12097	004448-75-3	43
			1-Hexadecanol	86853	036653-82-4	37
9	7.286	0.04	C:\Database\NIST05a.L			
			1,4-Pentadiene, 2,3,3-trimethyl-	5865	000756-02-5	43
			1,4-Pentadiene, 2,3,4-trimethyl-	5861	072014-90-5	43
			Cyclooctane, cyclohexyl-	52927	092369-78-3	43
10	7.400	0.02	C:\Database\NIST05a.L			
			Cyclopentene, 1,2,3-trimethyl-	5846	000473-91-6	38
			1,5-Hexadiene, 2,5-dimethyl-	5839	000627-58-7	35
			1,3-Dimethyl-1-cyclohexene	5824	002808-76-6	35

Library Search Report

Data Path : C:\msdchem\1\DATA\[redacted] (b) (7)(C) RP1581\
Data File : 052814_009.D
Acq On : 28 May 2014 8:34 pm
Operator : [redacted] (b) (7)(C)
Sample : N405006-11
Misc : 10 uL sample
ALS Vial : 9 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
11	7.680	0.04	C:\Database\NIST05a.L			
			Cyclohexanecarboxaldehyde, 4-(hydroxymethyl)-	19125	092385-32-5	49
			3-Cyclohexene-1-carboxaldehyde, 1-methyl-	10248	000931-96-4	46
			Ethylidenecycloheptane	10316	010494-87-8	45
12	7.773	0.22	C:\Database\NIST05a.L			
			1-Propanol, 3-phenoxy-	24888	006180-61-6	87
			1-Phenoxypropan-2-ol	24877	000770-35-4	87
			Carbonic acid, sec-butyl phenyl ester	52460	013183-17-0	59
13	8.167	4.42	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohexene	11127	029474-11-1	74
			1,4-Cyclohexanedimethanol	20107	000105-08-8	43
			Cyclohexanol, 2-methylene-6-methyl	11118	1000196-32-3	43
14	8.240	1.25	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohexene	11127	029474-11-1	64
			1,4-Cyclohexanedimethanol	20102	000105-08-8	50
			1,4-Cyclohexanedimethanol	20108	000105-08-8	38
15	8.426	0.03	C:\Database\NIST05a.L			
			Norbornane, 1-methyl-2-hydroxy-	11092	1000197-58-0	41
			(9-Oxabicyclo[3.3.1]non-6-en-3-yl) methanol	26552	1000191-02-8	38
			Cyclohexene, 1-ethyl-	5780	001453-24-3	35
16	8.520	0.03	C:\Database\NIST05a.L			
			1H-Pyrrole, 2,4-dimethyl-	2622	000625-82-1	38
			1H-Pyrrole, 2,5-dimethyl-	2623	000625-84-3	38
			1-Ethyl-5-methylcyclopentene	5833	097797-57-4	35
17	8.924	0.09	C:\Database\NIST05a.L			
			Phenol, 2-methyl-	5228	000095-48-7	64
			Phenol, 2-methyl-	5237	000095-48-7	64
			Ethanol, 2-(4-methylphenoxy)-	24934	015149-10-7	62
18	9.152	0.12	C:\Database\NIST05a.L			
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56831	000094-60-0	74
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56830	000094-60-0	72
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56829	000094-60-0	64
19	9.266	0.02	C:\Database\NIST05a.L			
			Acrylic acid, (E)-3-(2-furyl)-, methyl ester	24841	1000161-07-3	46
			2-(4-Methoxyphenyl)ethanol	24908	000702-23-8	46
			Benzoic acid, 2-hydroxy-, hydrazid	24674	000936-02-7	46

Library Search Report

Data Path : C:\msdchem\1\DATA[redacted] RP1581\
Data File : 052814_009.D
Acq On : 28 May 2014 8:34 pm
Operator : [redacted]
Sample : N405006-11
Misc : 10 uL sample
ALS Vial : 9 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
20	9.732	1.13	C:\Database\NIST05a.L			
			Methane, isopropoxyphenoxy-	33181	000828-12-6	35
			Allyl dithioacetate	13799	027249-83-8	27
			Cyclobutane carbonitrile, 3-methyl -3-phenoxy-	48104	1000260-35-8	27
21	9.846	3.00	C:\Database\NIST05a.L			
			2,5,8,11,14,17-Hexaoxaoctadecane	102216	001191-87-3	43
			Methane, diethoxy-	4635	000462-95-3	43
			1-Propanol, 2-(2-hydroxypropoxy)-	14627	000106-62-7	43
22	9.898	0.88	C:\Database\NIST05a.L			
			Benzene, (2-methoxyethoxy)-	24919	041532-81-4	43
			Methane, diethoxy-	4635	000462-95-3	27
			Methane, diethoxy-	4636	000462-95-3	27
23	9.950	0.89	C:\Database\NIST05a.L			
			Benzene, (2-methoxyethoxy)-	24919	041532-81-4	37
			Methane, diethoxy-	4635	000462-95-3	35
			2-Butanol, 3,3'-oxybis-	31180	054305-61-2	35
24	10.271	0.01	C:\Database\NIST05a.L			
			2-Ethylacridine	62222	055751-83-2	25
			Octasiloxane, 1,1,3,3,5,5,7,7,9,9, 11,11,13,13,15,15-hexadecamethyl-	187862	019095-24-0	16
			1,2-Butanediol	2246	000584-03-2	10
25	10.416	0.06	C:\Database\NIST05a.L			
			Carbamic acid, methyl-, 3-methylph enyl ester	33090	001129-41-5	53
			Phenol, 4-(2-aminoethyl)-	16174	000051-67-2	53
			Phenol, 4-(2-aminoethyl)-	16173	000051-67-2	53
26	10.509	0.06	C:\Database\NIST05a.L			
			1,3-Cyclopentadiene, 5,5-dimethyl- 1-ethyl-	9746	1000162-25-7	25
			1,3-Cyclopentadiene, 5,5-dimethyl- 2-ethyl-	9745	1000162-25-6	25
			p-Hydroxyamphetamine acetate	51887	096750-10-6	22
27	10.654	0.02	C:\Database\NIST05a.L			
			3-Chloro-N-methylpropylamine	5000	065232-62-4	25
			2-(2-N-Methylaminoethyl)-4-hydroxy -5-methoxyphenylaceticacid,methyl ester	93912	1000281-32-8	12
			Amidephrine	87516	003354-67-4	12
28	10.872	0.02	C:\Database\NIST05a.L			
			N-m-Tolyl-succinamic acid	61960	1000317-38-9	43
			Benzyl methyl malonate	62475	052267-39-7	43
			Phenol, 3-propyl-	15828	000621-27-2	35
29	11.338	0.04	C:\Database\NIST05a.L			
			2-Furanmethanol, tetrahydro-.alpha	83898	026184-88-3	35

Library Search Report

Data Path : C:\msdchem\1\DATA(b) (7)(C) [redacted] RP1581\
Data File : 052814_009.D
Acq On : 28 May 2014 8:34 pm
Operator : AMH
Sample : N405006-11
Misc : 10 uL sample
ALS Vial : 9 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			.,.alpha.,5-trimethyl-5-(4-methyl-3-cyclohexen-1-yl)-, [2S-[2.alpha.,5.beta.(R*)]]-			
			2-Propanol, 1-[2-(2-methoxy-1-methylethoxy)-1-methylethoxy]-	60957	020324-33-8	27
			1-Propanol, 2-(2-hydroxypropoxy)-	14628	000106-62-7	22
30	11.411	0.08	C:\Database\NIST05a.L			
			Acetic acid, chloro-, 1,1-dimethylethyl ester	23176	000107-59-5	38
			2-Methyl-5-(1-adamantyl)pentan-2-o	82624	095477-25-1	37
			Acetic acid, cyano-, 1,1-dimethylethyl ester	18289	001116-98-9	27
31	11.494	0.07	C:\Database\NIST05a.L			
			1-Propanol, 2-(2-methoxypropoxy)-	22173	013588-28-8	27
			N-Benzoyl-d-threo-O-methylthreonin	82960	131644-54-7	25
			4-Hydroxy-2-methylacetophenone	23479	000875-59-2	22
32	11.577	0.02	C:\Database\NIST05a.L			
			Butanamide	1835	000541-35-5	43
			Butanamide	1836	000541-35-5	43
			Butanamide	1831	000541-35-5	43
33	11.794	0.02	C:\Database\NIST05a.L			
			N-(3,5-Dinitropyridin-2-yl)-L-aspartic acid	125109	035899-60-6	35
			3-Chloro-N-methylpropylamine	5000	065232-62-4	35
			2-Amino-1-(o-methoxyphenyl)propane	32740	015402-84-3	27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) \RP1581\
Data File : 052814_010.D
Acq On : 28 May 2014 9:04 pm
Operator (b) (7)(C)
Sample : N405006-04
Misc : 10 uL sample
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 13:02:45 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) (C) _RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

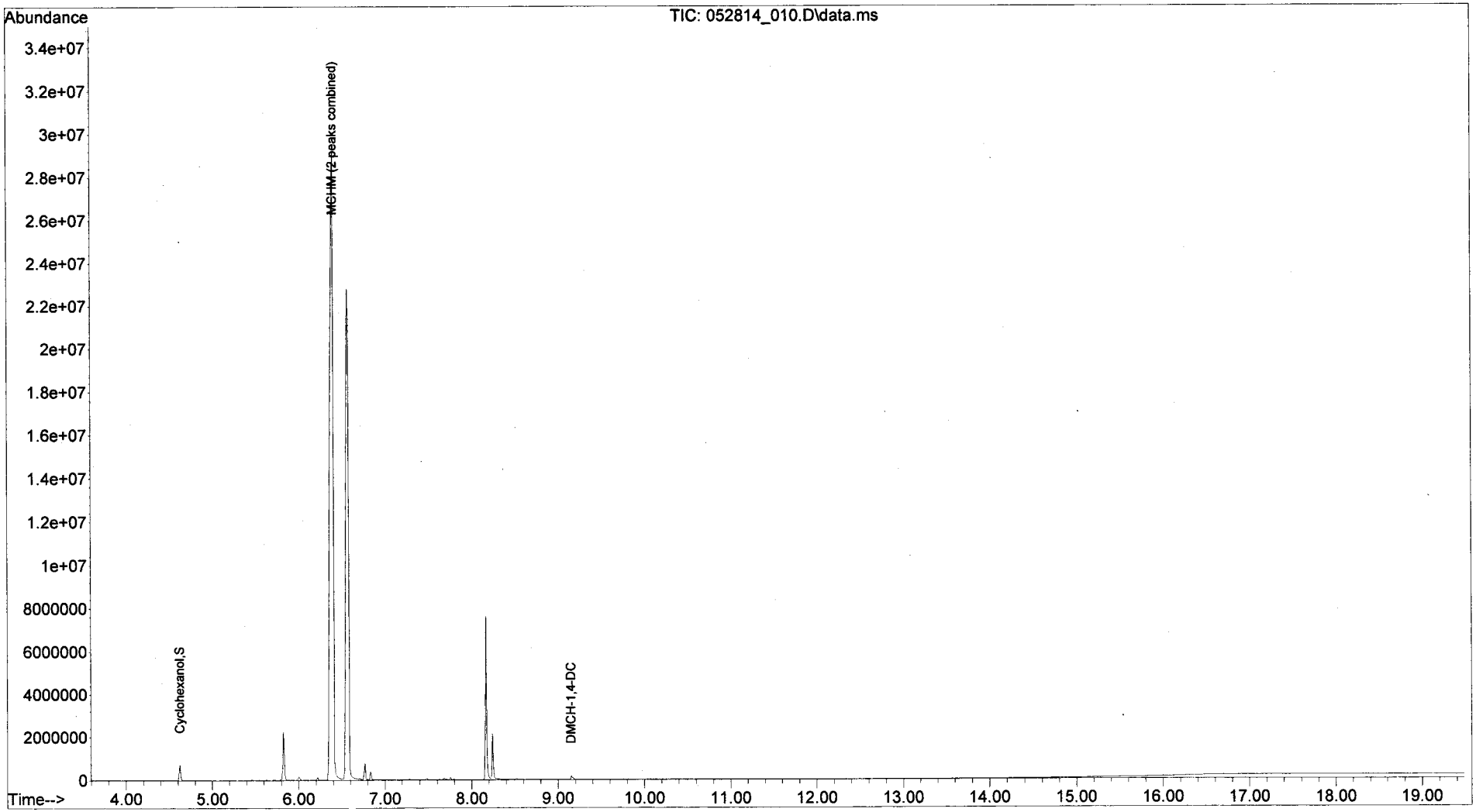
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	212762	65.96 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.406	55	29573287m	7095.10 ug/mL	
3) PPH	0.000		0	N.D. d	
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	49119	17.57 ug/mL#	92
6) di-PPH	0.000		0	N.D.	

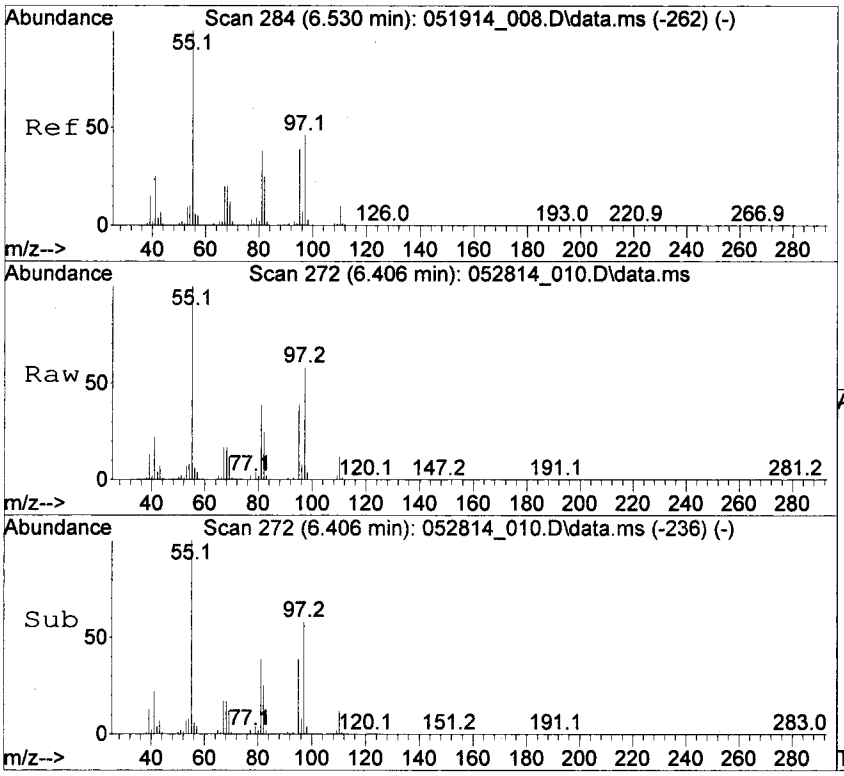
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 052814_010.D
Acq On : 28 May 2014 9:04 pm
Operator : [redacted]
Sample : N405006-04
Misc : 10 uL sample
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 13:02:45 2014
Quant Method : C:\msdchem\1\METHODS[redacted]P1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

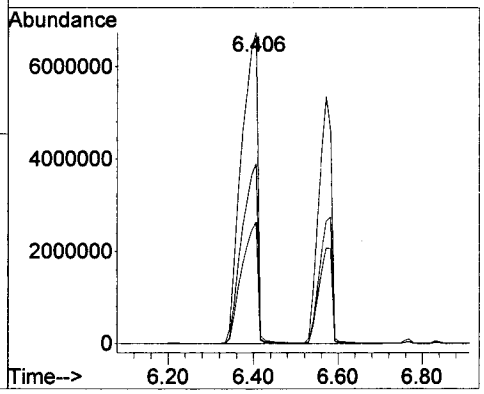


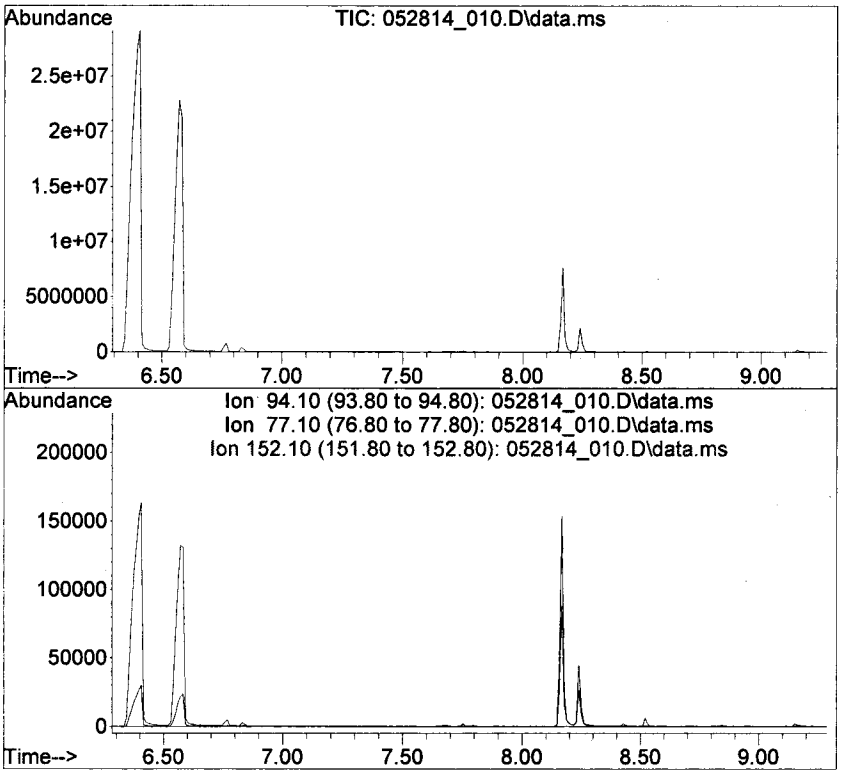


#2
MCHM (2 peaks combined)
Concen: 7095.10 ug/mL m
RT: 6.406 min Scan# 272
Delta R.T. -0.124 min
Lab File: 052814_010.D
Acq: 28 May 2014 9:04 pm

Tgt Ion: 55 Resp:29573287

Ion	Ratio	Lower	Upper
55	100		
97	19.6	31.5	47.3#
81	15.3	24.2	36.4#



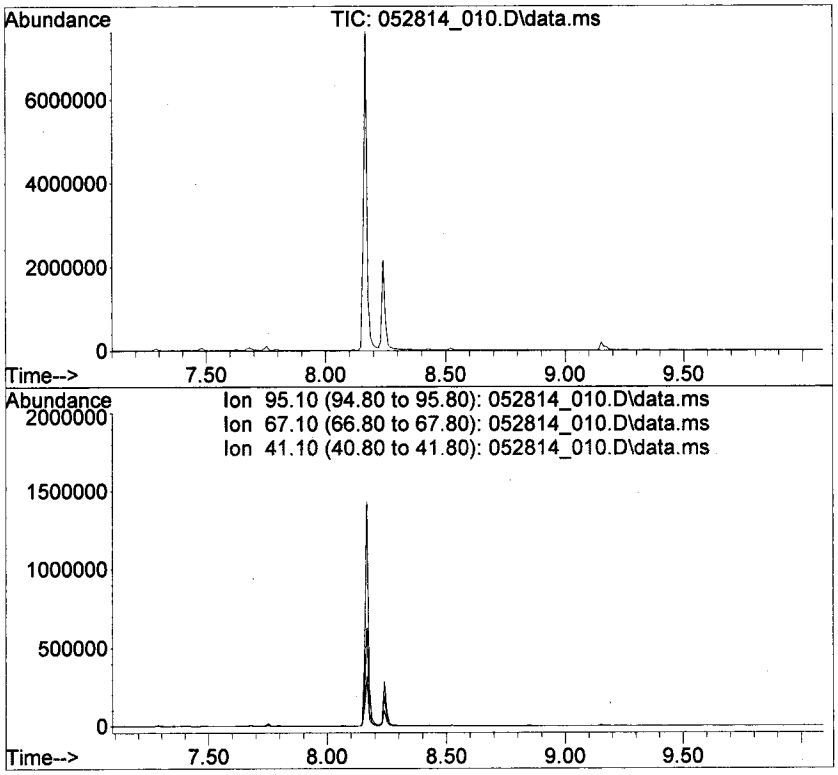


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 052814_010.D
Acq: 28 May 2014 9:04 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

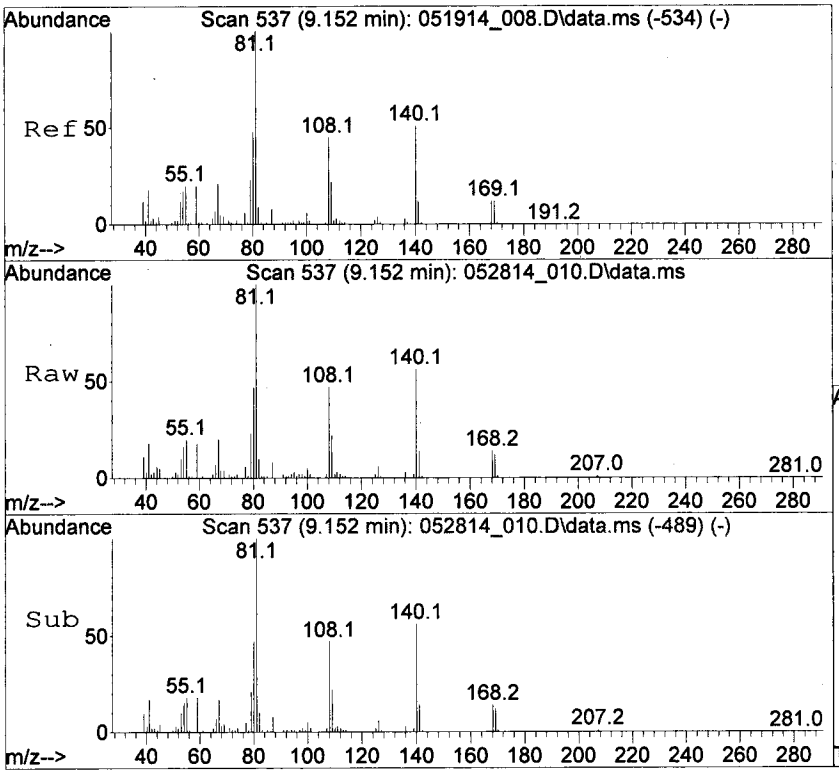


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_010.D
Acq: 28 May 2014 9:04 pm

Tgt Ion: 95

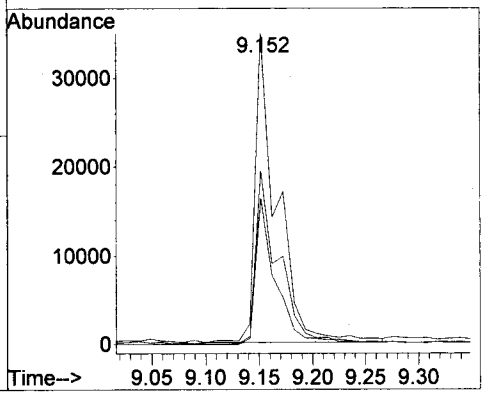
Sig	Exp Ratio
95	100
67	41.4
41	53.2

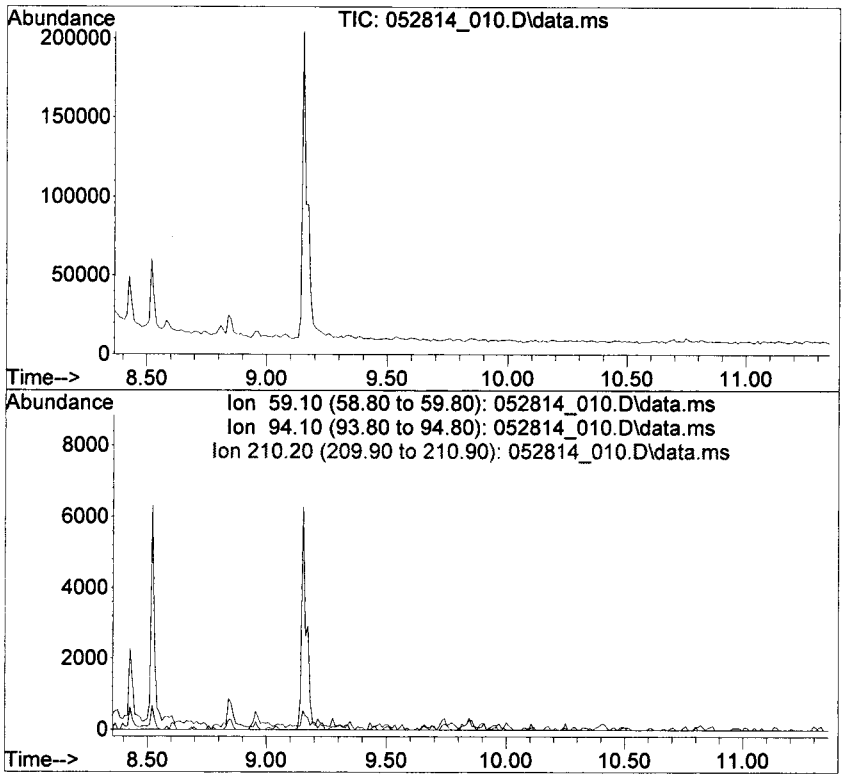


#5
DMCH-1,4-DC
Concen: 17.57 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_010.D
Acq: 28 May 2014 9:04 pm

Tgt Ion: 81 Resp: 49119

Ion	Ratio	Lower	Upper
81	100		
108	44.5	29.0	43.4#
140	60.0	50.9	76.3





#6
di-PPH
Concen: N.D.
Expected RT: 9.86 min

Lab File: 052814_010.D
Acq: 28 May 2014 9:04 pm

Tgt Ion: 59

Sig	Exp Ratio
59	100
94	30.0
210	9.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_011.D
Acq On : 28 May 2014 9:34 pm
Operator : (b) (7) (C)
Sample : N405006-01RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 13:03:31 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7) (C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

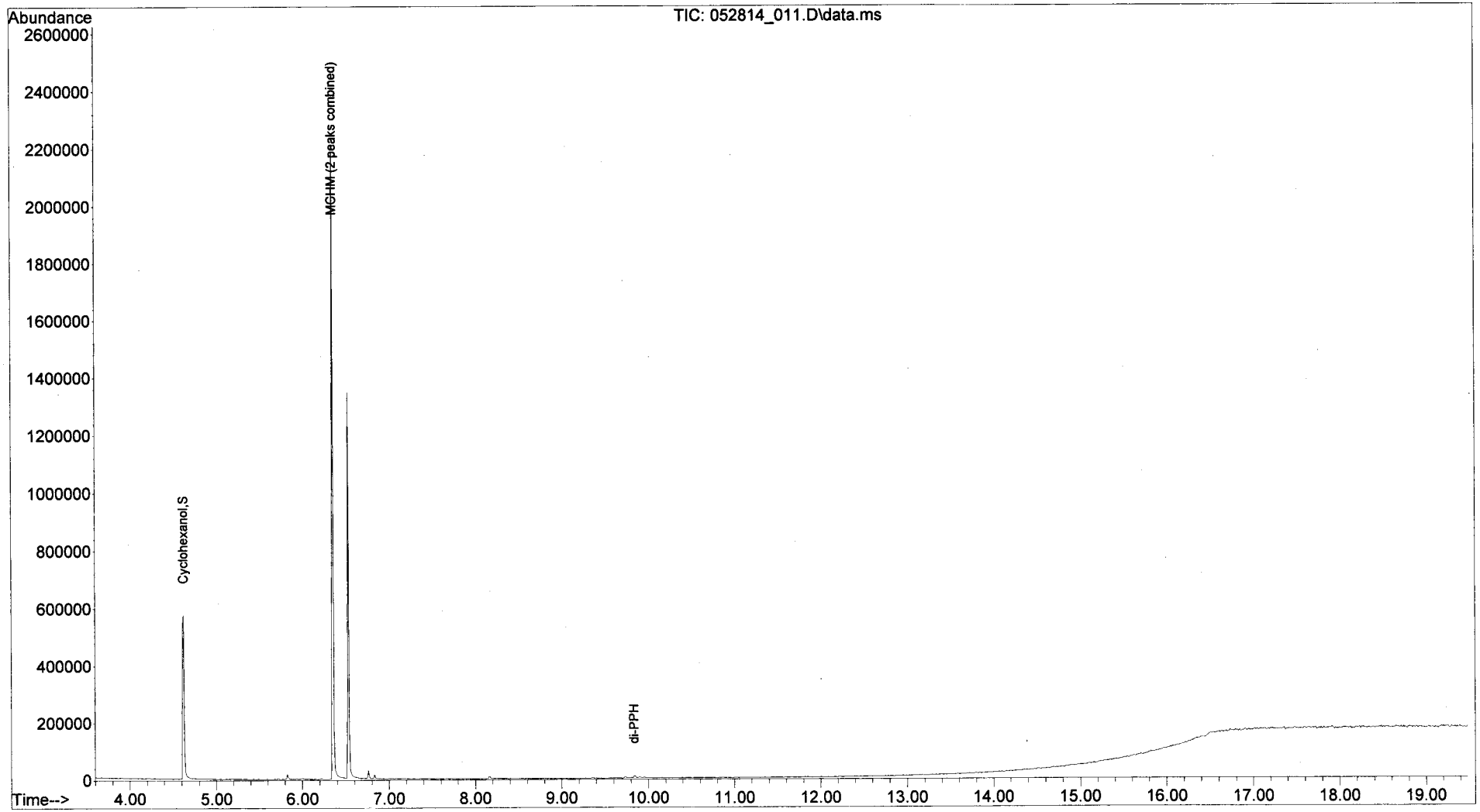
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	199716	61.91 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.354	55	765988m	186.36 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	7582m	5.97 ug/mL	

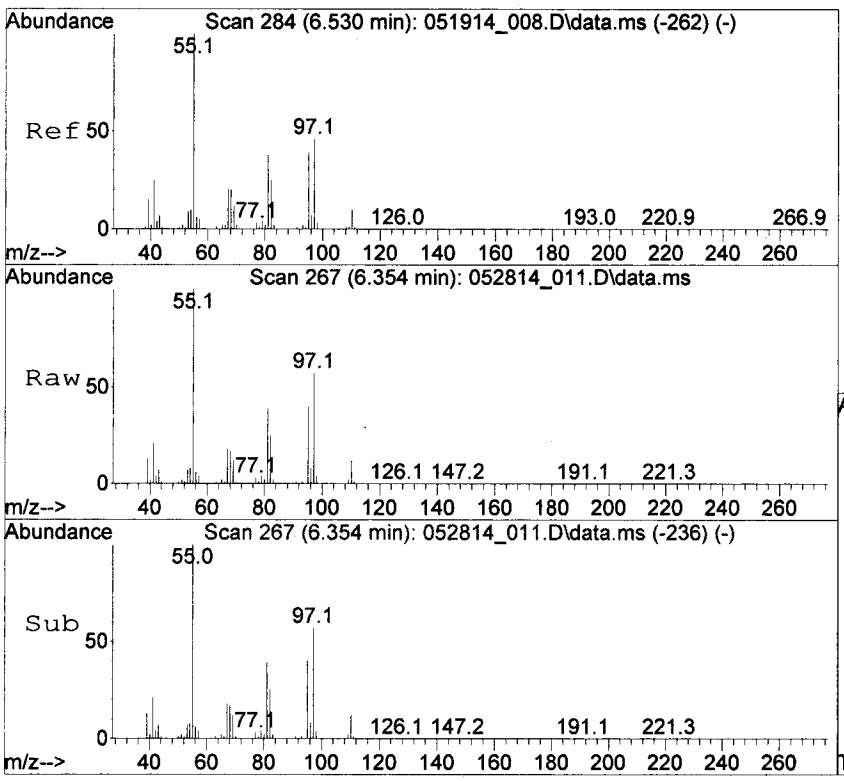
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) [redacted] P1581\
Data File : 052814_011.D
Acq On : 28 May 2014 9:34 pm
Operator : (b) (7) [redacted]
Sample : N405006-01RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 13:03:31 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7) (C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

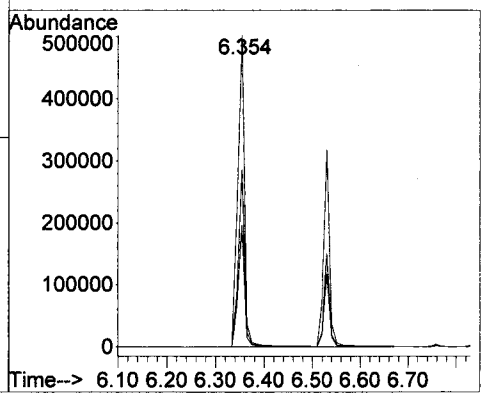


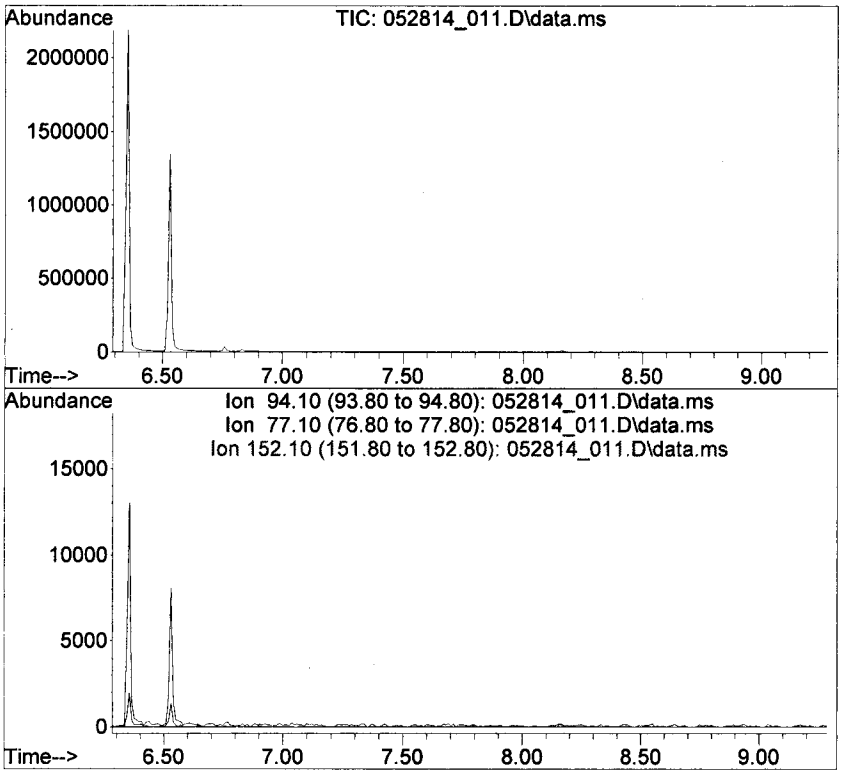


#2
MCHM (2 peaks combined)
Concen: 186.36 ug/mL m
RT: 6.354 min Scan# 267
Delta R.T. -0.176 min
Lab File: 052814_011.D
Acq: 28 May 2014 9:34 pm

Tgt Ion: 55 Resp: 765988

Ion	Ratio	Lower	Upper
55	100		
97	16.3	31.5	47.3#
81	13.0	24.2	36.4#



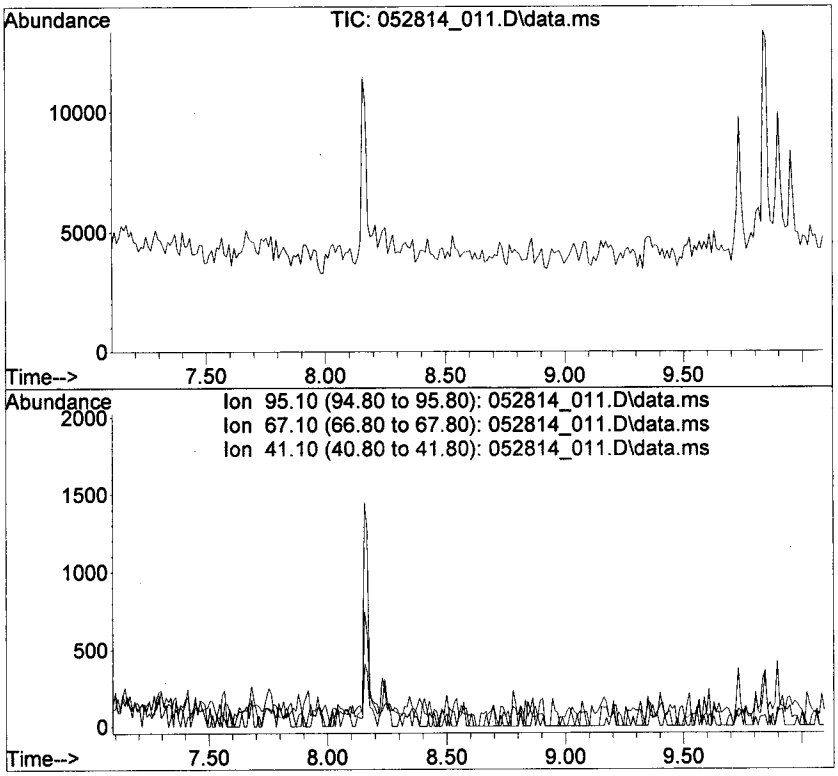


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 052814_011.D
Acq: 28 May 2014 9:34 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

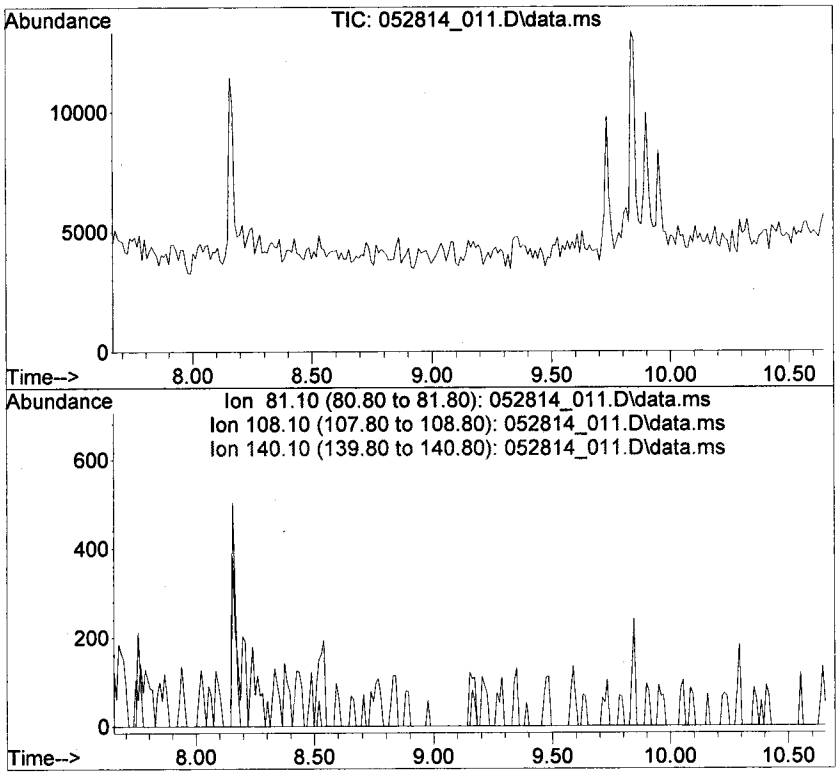


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_011.D
Acq: 28 May 2014 9:34 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

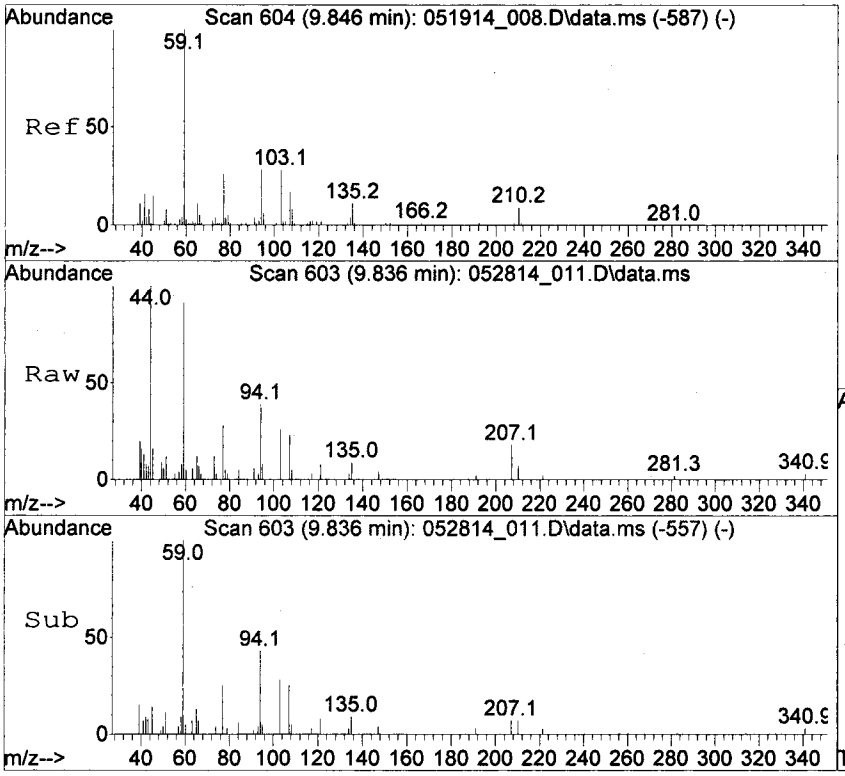


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 052814_011.D
Acq: 28 May 2014 9:34 pm

Tgt Ion: 81

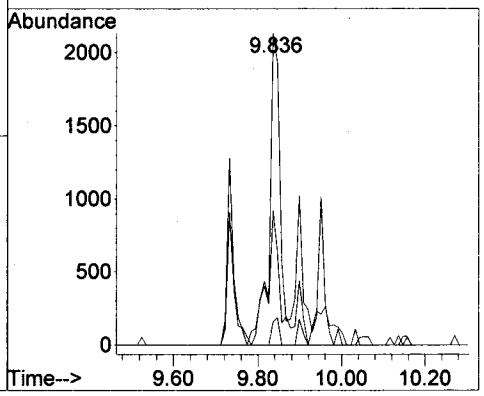
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 5.97 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 052814_011.D
Acq: 28 May 2014 9:34 pm

Tgt Ion: 59 Resp: 7582

Ion	Ratio	Lower	Upper
59	100		
94	0.0	24.0	36.0#
210	0.0	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\
Data File : 052814_012.D
Acq On : 28 May 2014 10:04 pm
Operator : AMH
Sample : N405006-07RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 13:04:15 2014
Quant Method : C:\msdchem\1\METHODS[redacted] (b) (7) (C) _RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

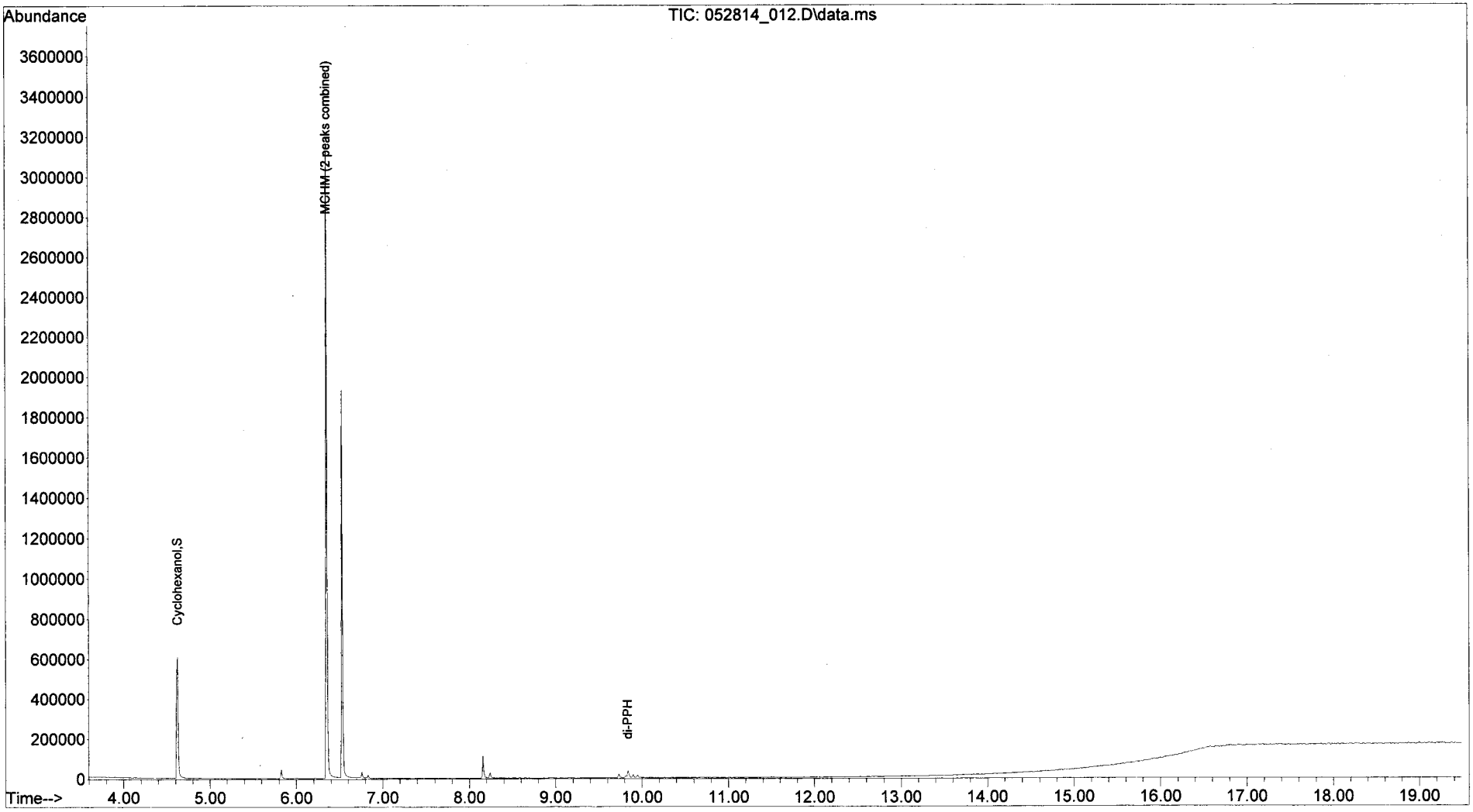
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	203929	63.22 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.354	55	1039524m	251.96 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	23032m	12.86 ug/mL	

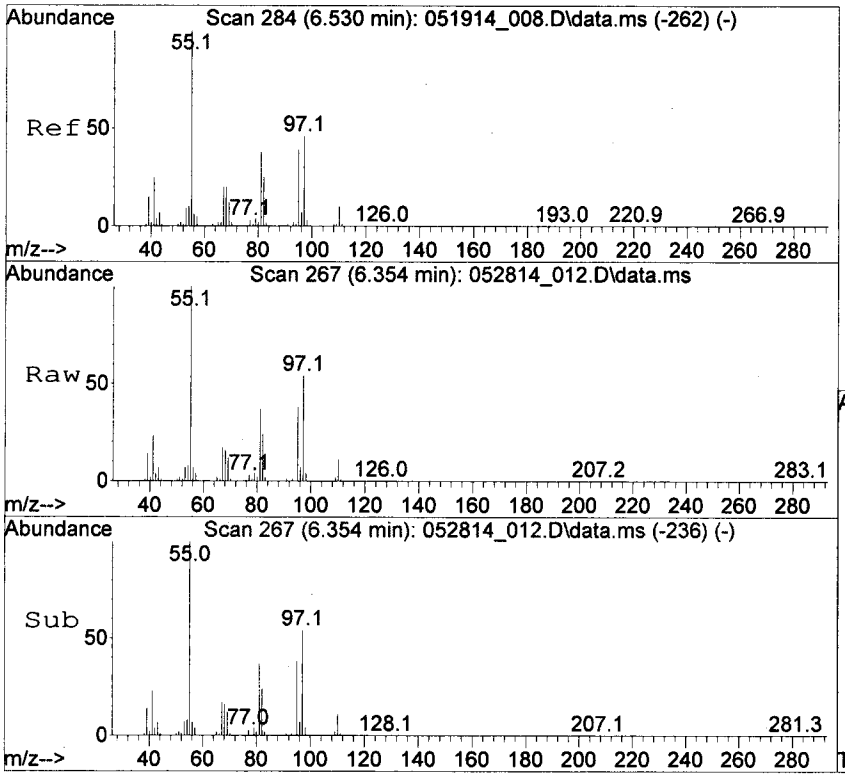
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_012.D
Acq On : 28 May 2014 10:04 pm
Operator : (b) (7)(C)
Sample : N405006-07RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 13:04:15 2014
Quant Method : C:\msdchem\1\METHOD (b) (7)(C) P1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

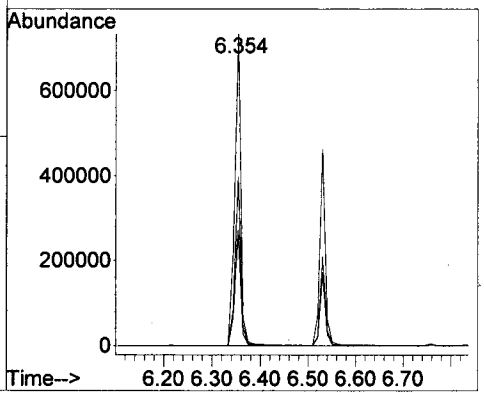


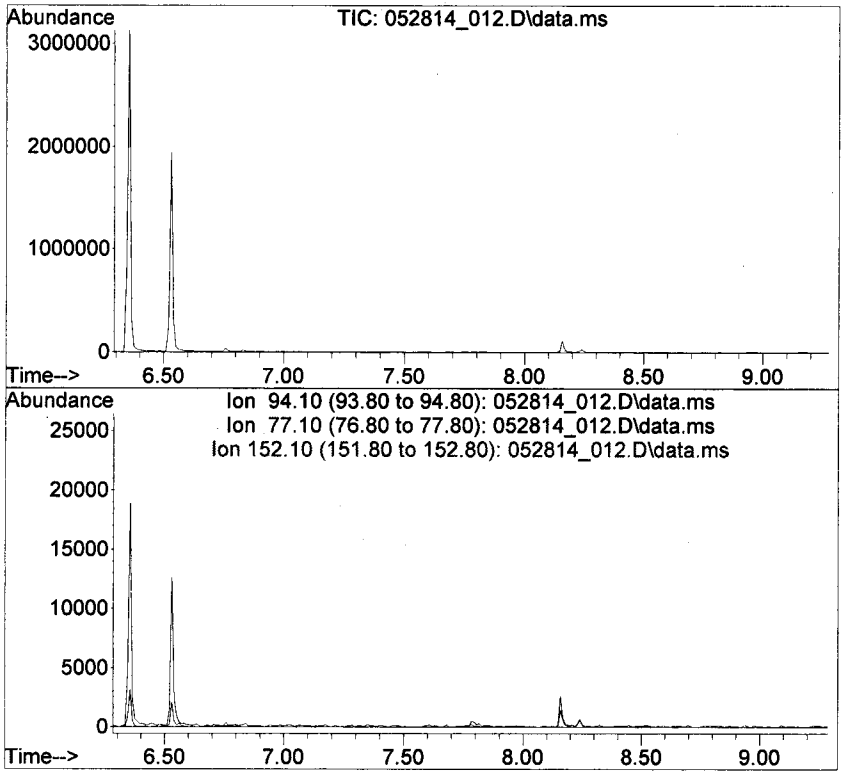


#2
MCHM (2 peaks combined)
Concen: 251.96 ug/mL m
RT: 6.354 min Scan# 267
Delta R.T. -0.176 min
Lab File: 052814_012.D
Acq: 28 May 2014 10:04 pm

Tgt Ion: 55 Resp: 1039524

Ion	Ratio	Lower	Upper
55	100		
97	16.4	31.5	47.3#
81	13.4	24.2	36.4#



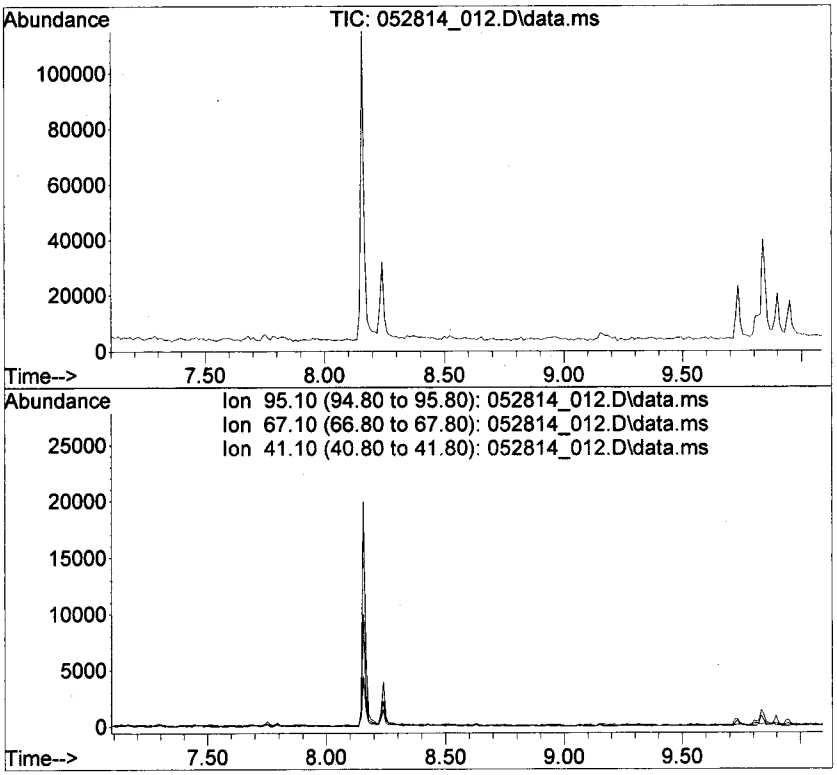


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 052814_012.D
Acq: 28 May 2014 10:04 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

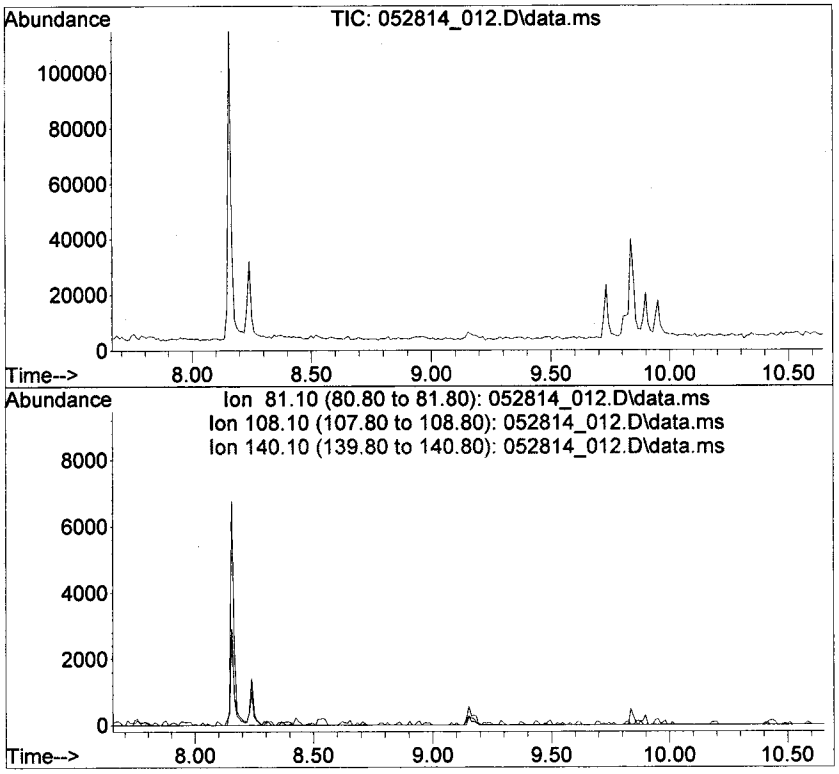


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_012.D
Acq: 28 May 2014 10:04 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

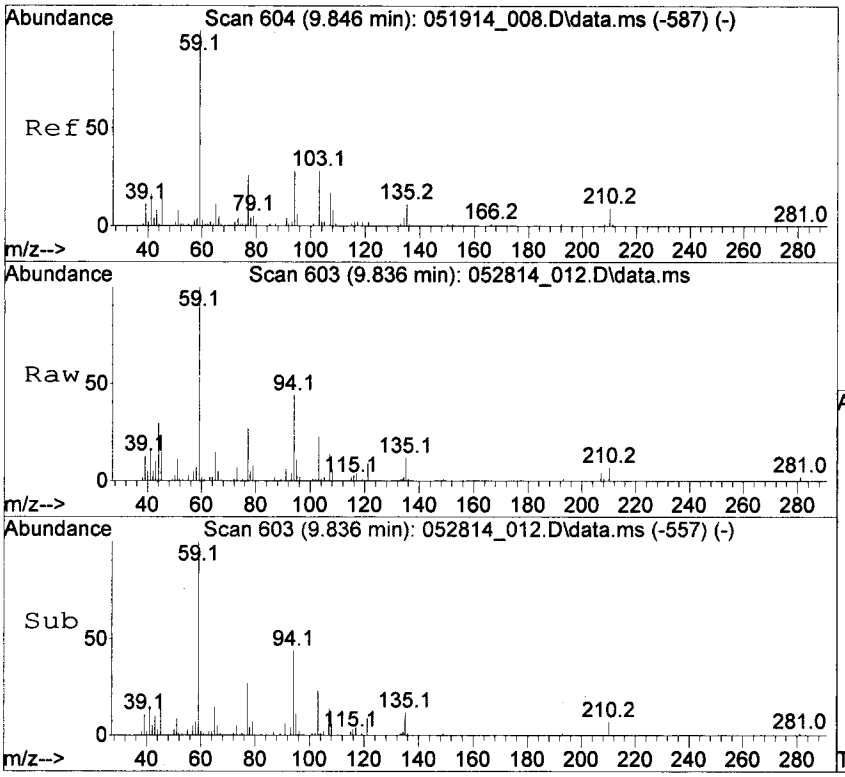


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 052814_012.D
Acq: 28 May 2014 10:04 pm

Tgt Ion: 81

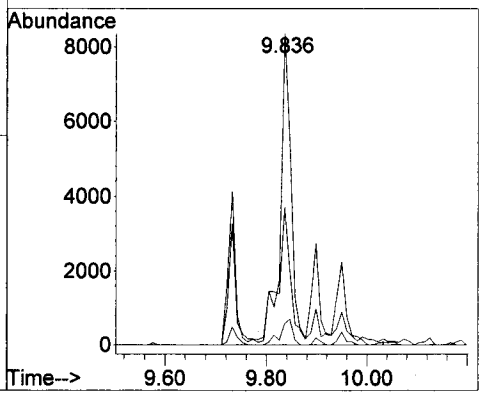
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 12.86 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 052814_012.D
Acq: 28 May 2014 10:04 pm

Tgt Ion: 59 Resp: 23032

Ion	Ratio	Lower	Upper
59	100		
94	0.0	24.0	36.0#
210	0.0	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DAT[redacted] (b) (7)(C) RP1581\
Data File : 052814_013.D
Acq On : [redacted] May 2014 10:34 pm
Operator : [redacted] (b) (7)(C)
Sample : N405006-11RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 13:08:27 2014
Quant Method : C:\msdchem\1\METHOD[redacted] (b) (7)(C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

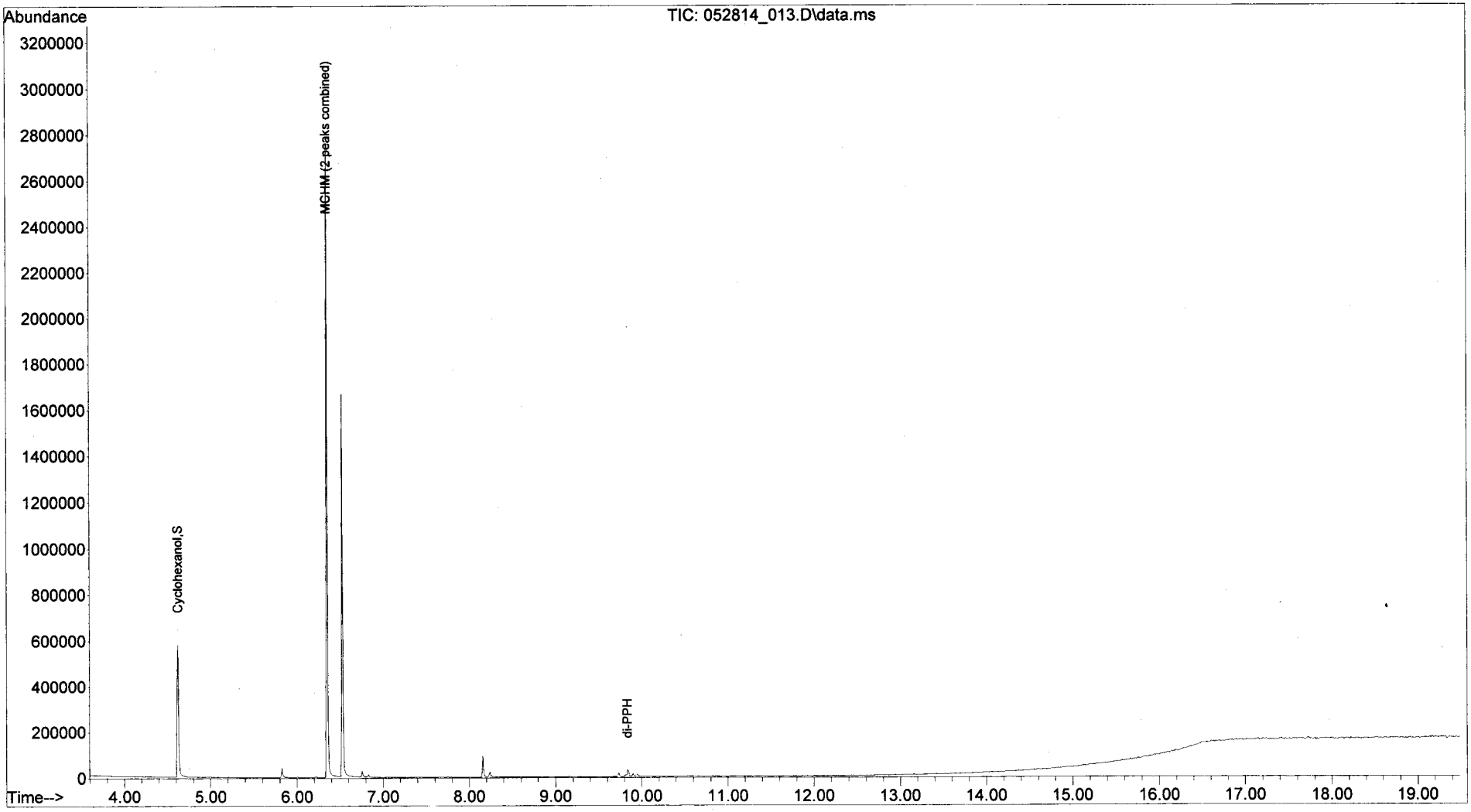
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	184824	57.30 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.354	55	903381m	219.31 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	21080m	11.99 ug/mL	

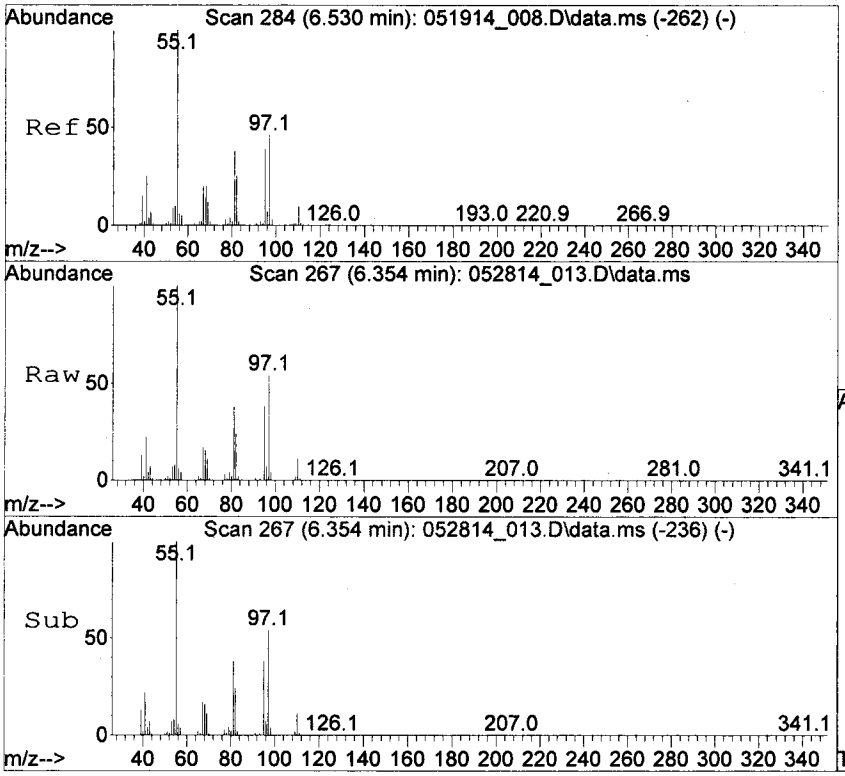
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA(b) (7)(C) [redacted] RP1581\
Data File : 052814_013.D
Acq On : 28 May 2014 10:34 pm
Operator : (b) (7)(C) [redacted]
Sample : N405006-11RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 13:08:27 2014
Quant Method : C:\msdchem\1\METHODS\(b) (7)(C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

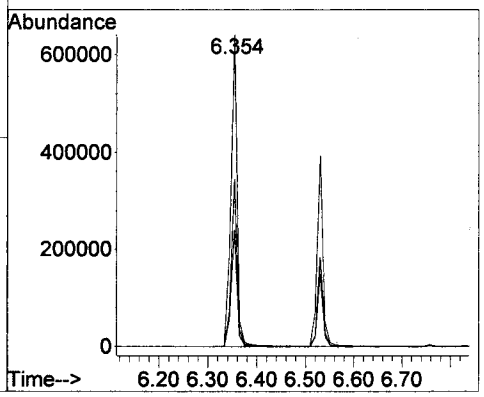


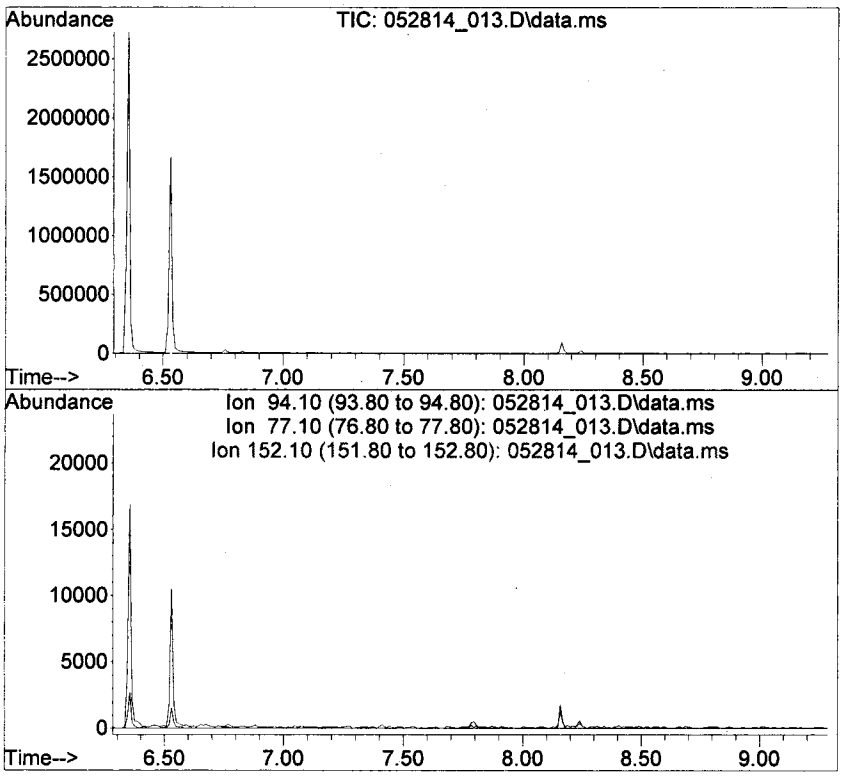


#2
MCHM (2 peaks combined)
Concen: 219.31 ug/mL m
RT: 6.354 min Scan# 267
Delta R.T. -0.176 min
Lab File: 052814_013.D
Acq: 28 May 2014 10:34 pm

Tgt Ion: 55 Resp: 903381

Ion	Ratio	Lower	Upper
55	100		
97	16.7	31.5	47.3#
81	13.5	24.2	36.4#



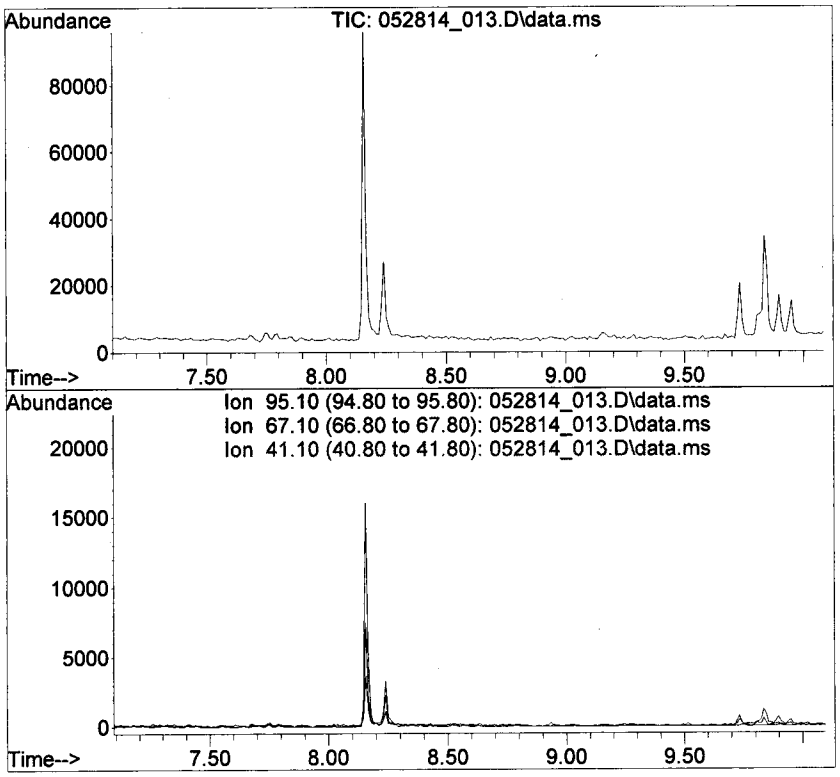


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 052814_013.D
Acq: 28 May 2014 10:34 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

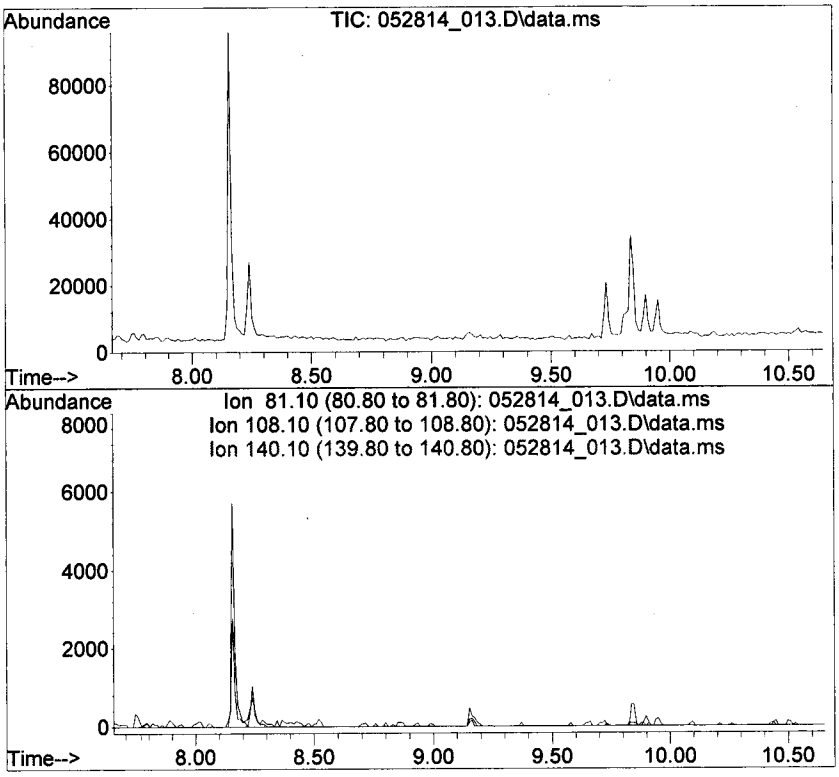


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_013.D
Acq: 28 May 2014 10:34 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

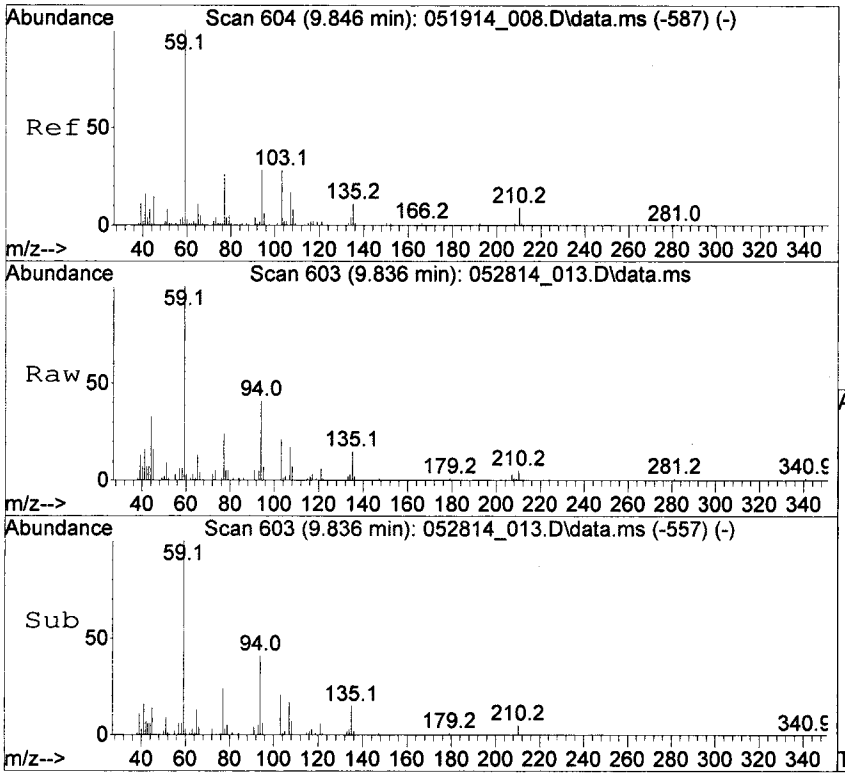


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 052814_013.D
Acq: 28 May 2014 10:34 pm

Tgt Ion: 81

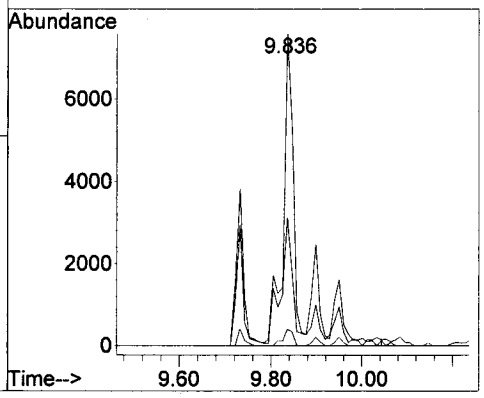
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 11.99 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 052814_013.D
Acq: 28 May 2014 10:34 pm

Tgt Ion: 59 Resp: 21080

Ion	Ratio	Lower	Upper
59	100		
94	0.0	24.0	36.0#
210	0.0	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C) [redacted] RP1581\
Data File : 052814_014.D
Acq On : 28 May 2014 11:03 pm
Operator : (b) (7) [redacted]
Sample : N405006-04RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 13:09:00 2014
Quant Method : C:\msdchem\1\METHODS\(b) (7)(C) [redacted] _RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

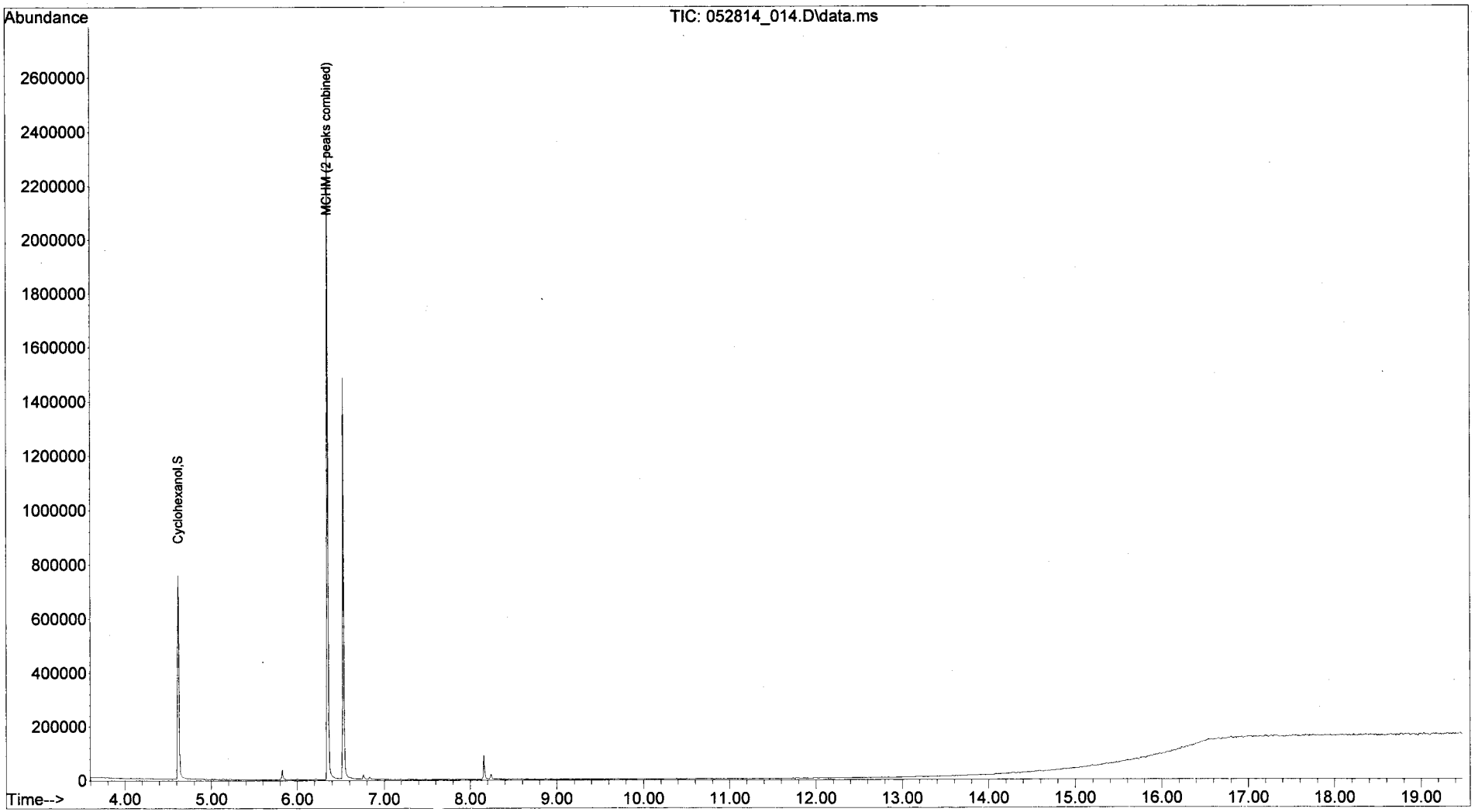
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	224129	69.48 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.354	55	793945m	193.07 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	0.000		0	N.D.	

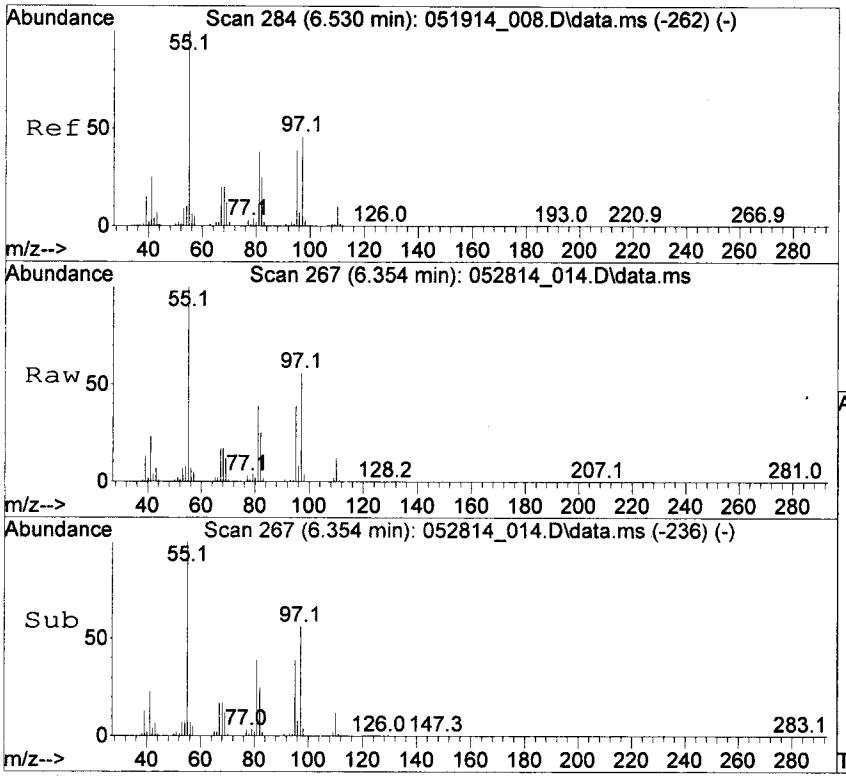
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_014.D
Acq On : 28 May 2014 11:0
Operator : (b) (7)
Sample : N405006-04RE1
Misc : 10 uL sample into 1mL 25uL into 1mL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 13:09:00 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) (C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

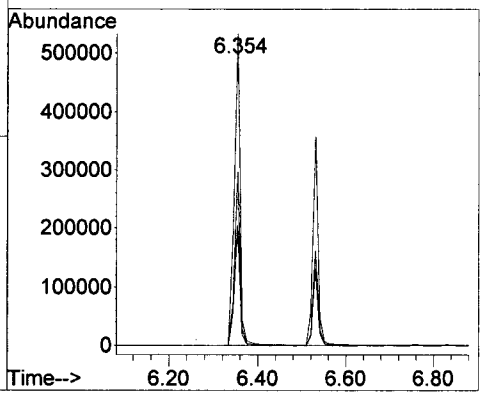


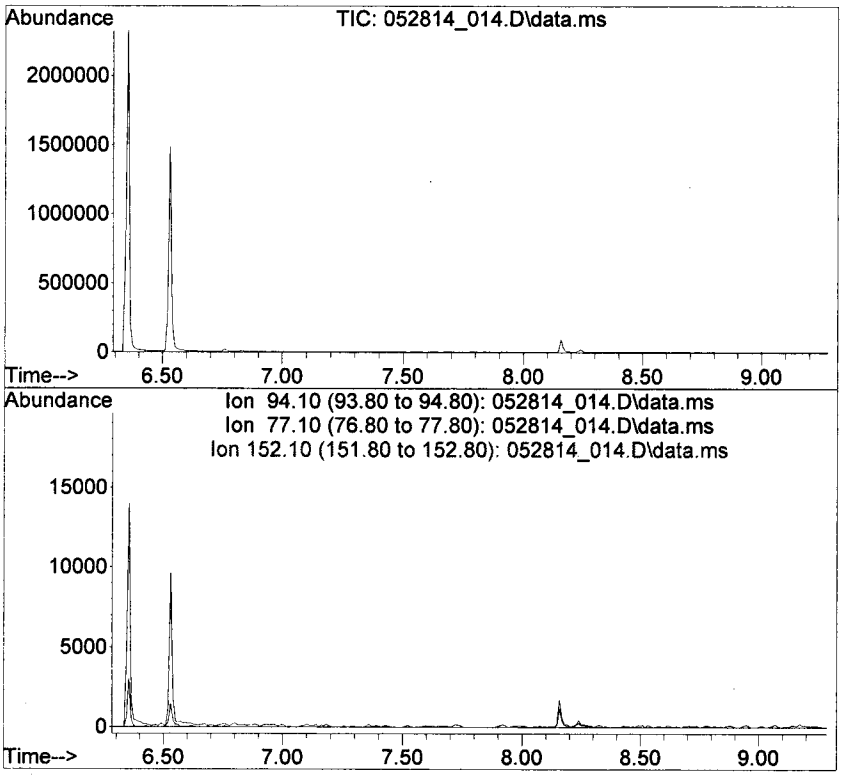


#2
MCHM (2 peaks combined)
Concen: 193.07 ug/mL m
RT: 6.354 min Scan# 267
Delta R.T. -0.176 min
Lab File: 052814_014.D
Acq: 28 May 2014 11:03 pm

Tgt Ion: 55 Resp: 793945

Ion	Ratio	Lower	Upper
55	100		
97	16.9	31.5	47.3#
81	13.6	24.2	36.4#



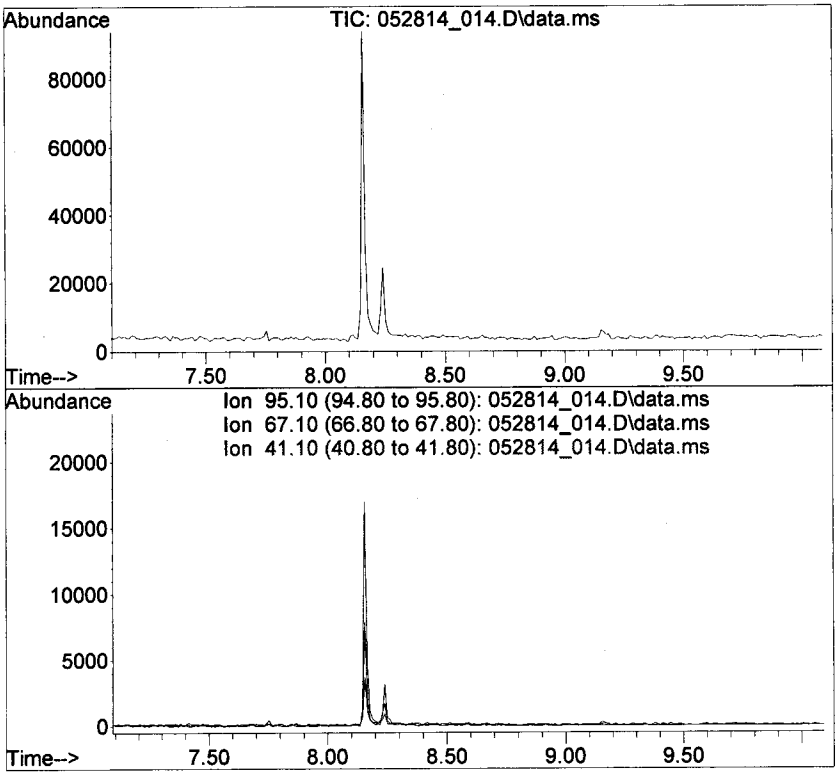


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 052814_014.D
Acq: 28 May 2014 11:03 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

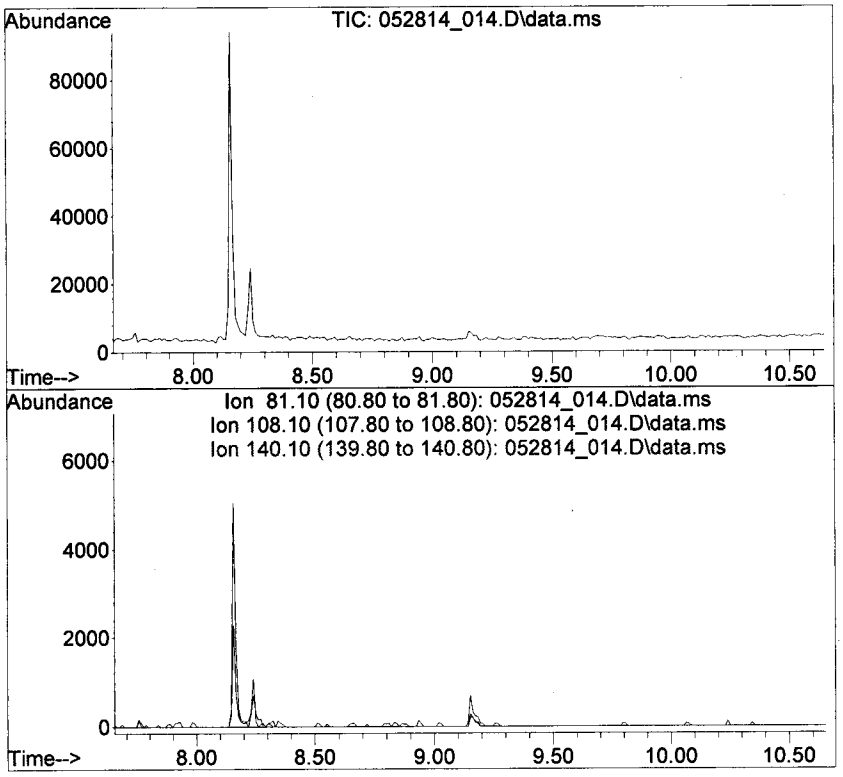


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_014.D
Acq: 28 May 2014 11:03 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

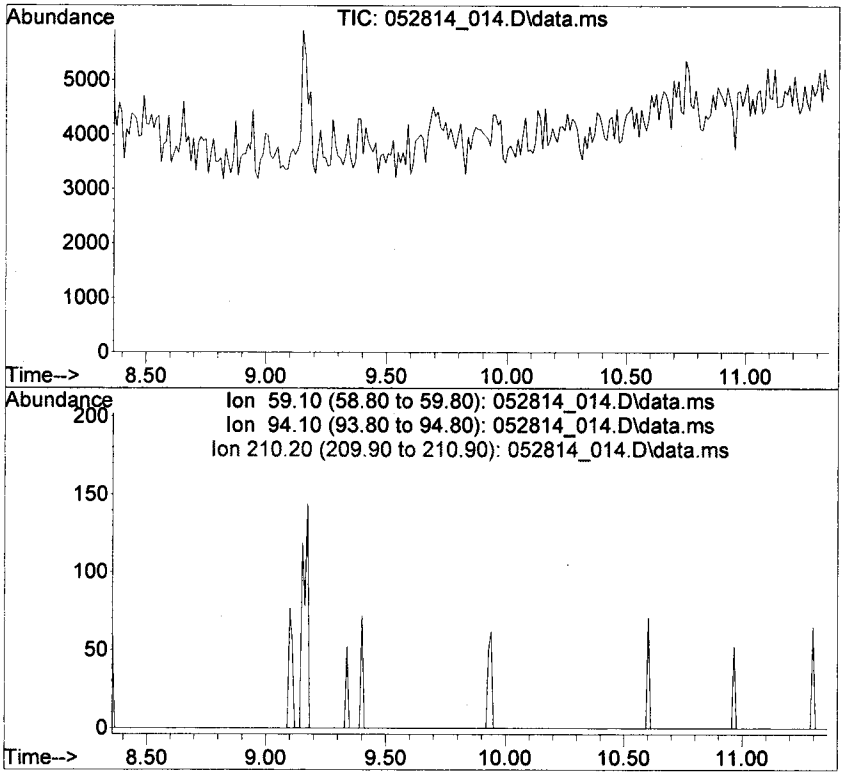


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 052814_014.D
Acq: 28 May 2014 11:03 pm

Tgt Ion: 81

Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: N.D.
Expected RT: 9.86 min

Lab File: 052814_014.D
Acq: 28 May 2014 11:03 pm

Tgt Ion: 59

Sig	Exp Ratio
59	100
94	30.0
210	9.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\
Data File : 052814_015.D
Acq On : 28 May 2014 11:33 pm
Operator : [redacted] (b) (7)
Sample : CCV2
Misc : 50 ug/mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 06 13:11:28 2014
Quant Method : C:\msdchem\1\METHODS[redacted] (b) (7) (C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

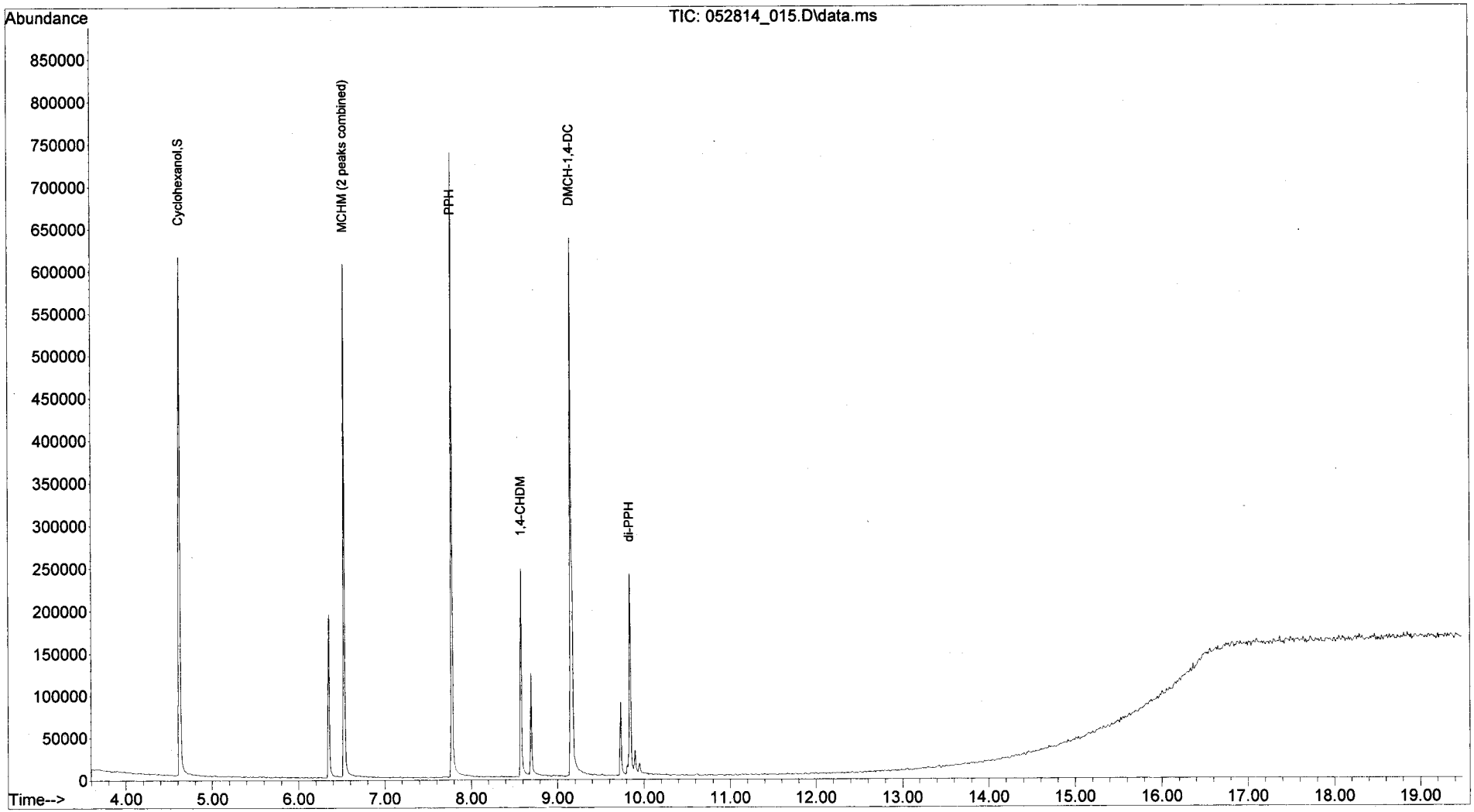
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	189268	58.68 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.530	55	176535m	45.00 ug/mL	
3) PPH	7.773	94	223714	45.87 ug/mL	95
4) 1,4-CHDM	8.582	95	88903m	44.83 ug/mL	
5) DMCH-1,4-DC	9.152	81	155257	49.06 ug/mL#	91
6) di-PPH	9.836	59	106102m	49.91 ug/mL	

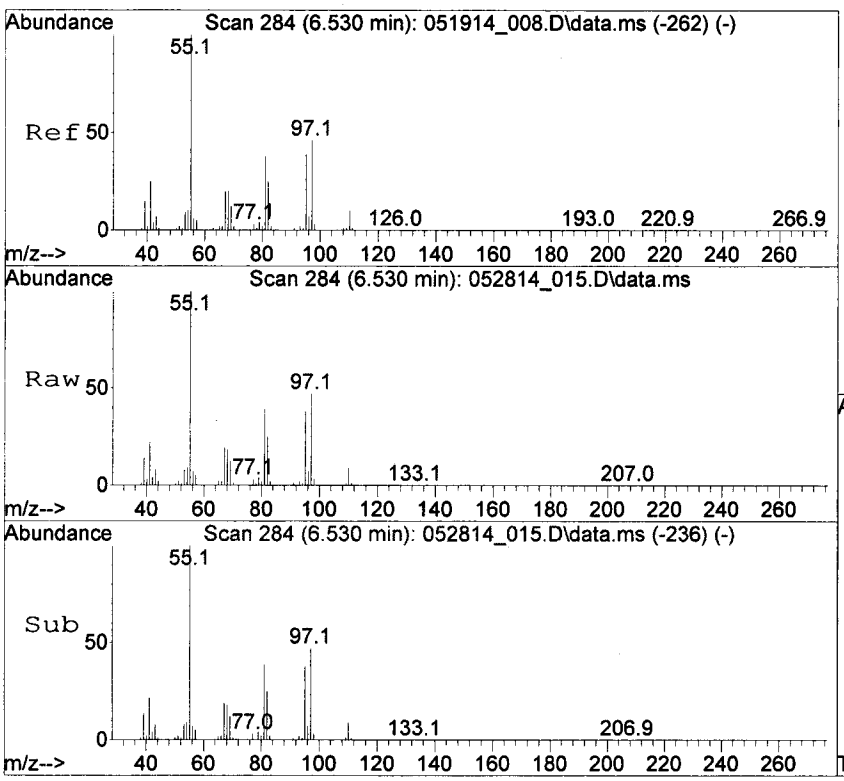
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted]RP1581\
Data File : 052814_015.D
Acq On : 28 May 2014 11:33 pm
Operator : [redacted]
Sample : CCV2
Misc : 50 ug/mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 06 13:11:28 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

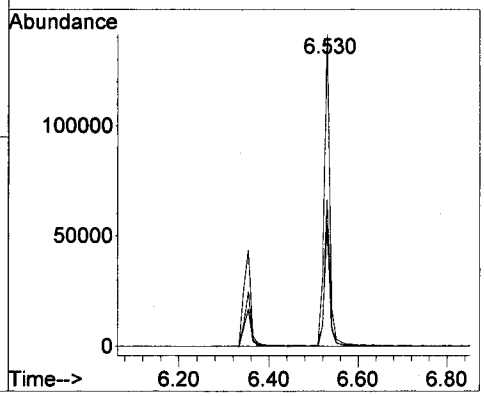


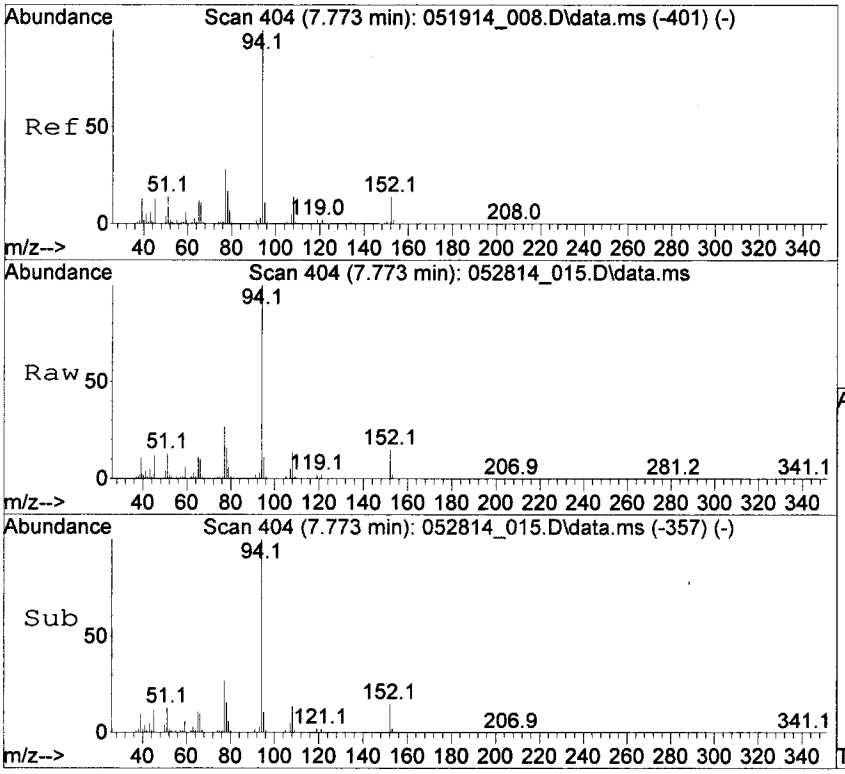


#2
MCHM (2 peaks combined)
Concen: 45.00 ug/mL m
RT: 6.530 min Scan# 284
Delta R.T. -0.000 min
Lab File: 052814_015.D
Acq: 28 May 2014 11:33 pm

Tgt Ion: 55 Resp: 176535

Ion	Ratio	Lower	Upper
55	100		
97	31.8	31.5	47.3
81	27.2	24.2	36.4

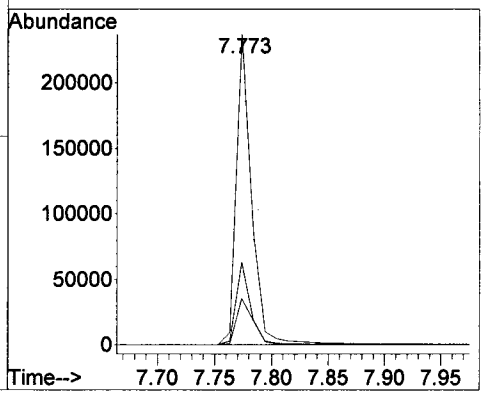


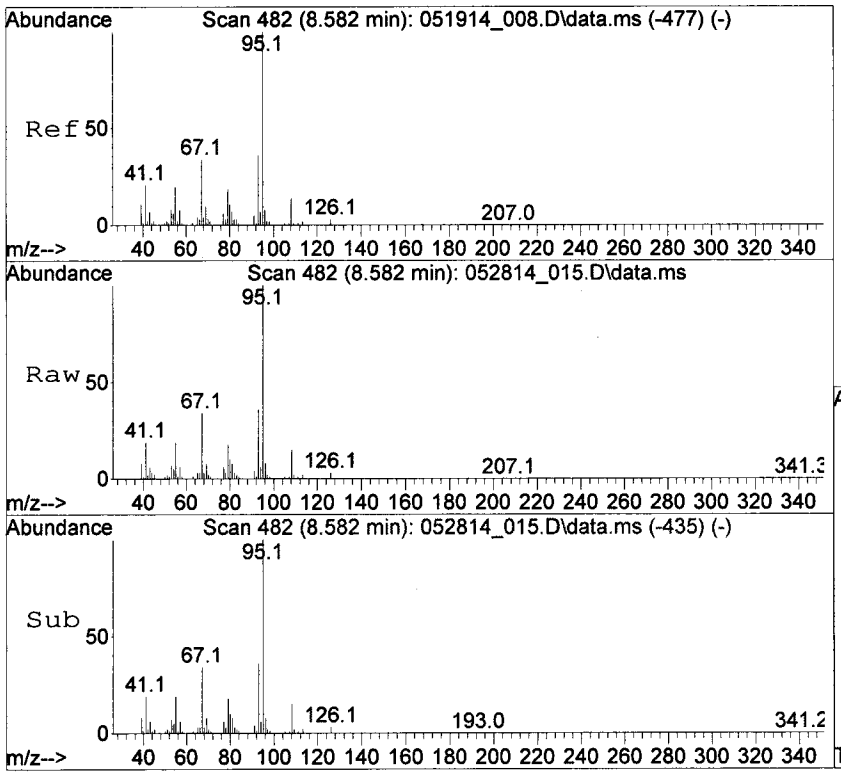


#3
PPH
Concen: 45.87 ug/mL
RT: 7.773 min Scan# 404
Delta R.T. -0.011 min
Lab File: 052814_015.D
Acq: 28 May 2014 11:33 pm

Tgt Ion: 94 Resp: 223714

Ion	Ratio	Lower	Upper
94	100		
77	26.2	19.0	28.4
152	16.7	14.9	22.3

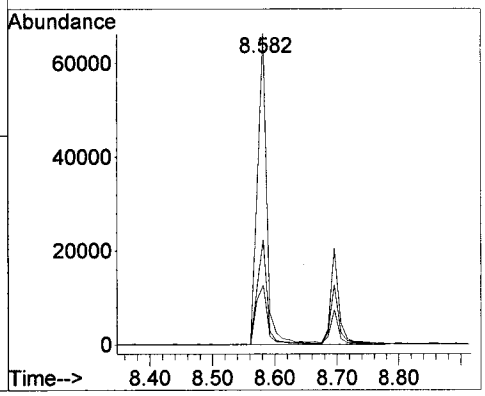


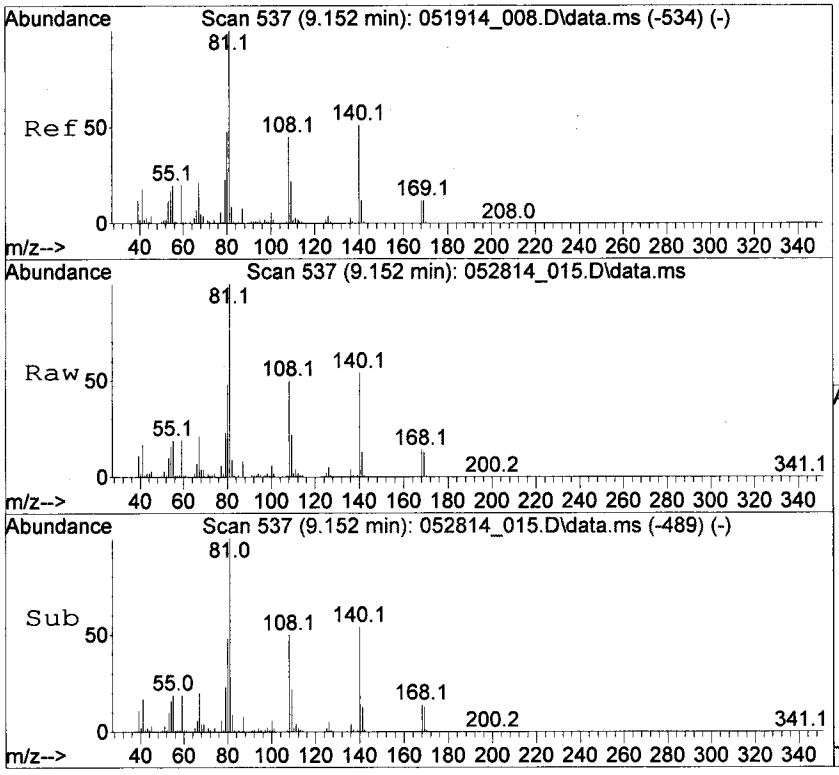


#4
1,4-CHDM
Concen: 44.83 ug/mL m
RT: 8.582 min Scan# 482
Delta R.T. -0.010 min
Lab File: 052814_015.D
Acq: 28 May 2014 11:33 pm

Tgt Ion: 95 Resp: 88903

Ion	Ratio	Lower	Upper
95	100		
67	27.8	33.1	49.7#
41	0.0	42.6	63.8#

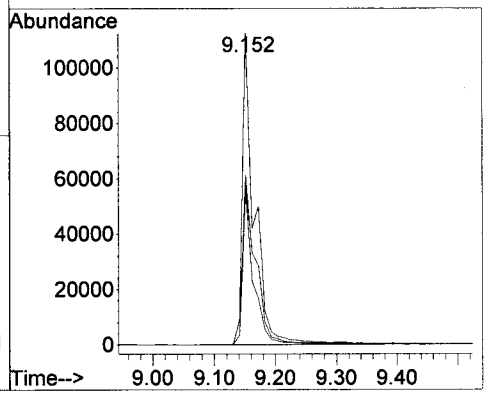


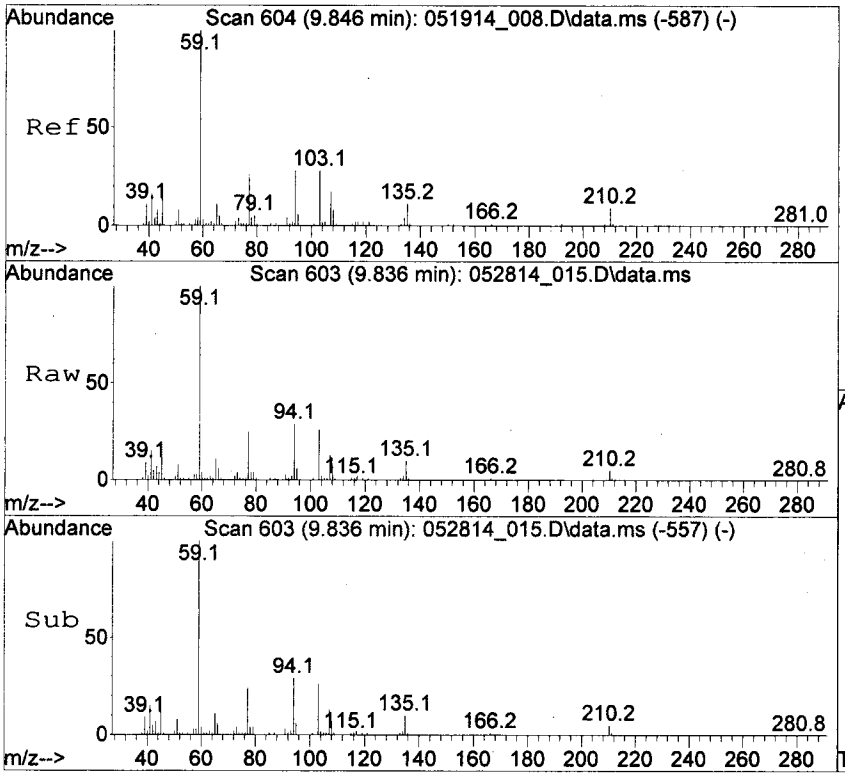


#5
DMCH-1,4-DC
Concen: 49.06 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_015.D
Acq: 28 May 2014 11:33 pm

Tgt Ion: 81 Resp: 155257

Ion	Ratio	Lower	Upper
81	100		
108	44.6	29.0	43.4#
140	58.8	50.9	76.3

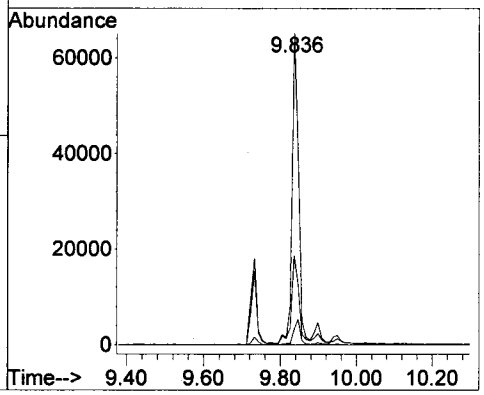




#6
di-PPH
Concen: 49.91 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 052814_015.D
Acq: 28 May 2014 11:33 pm

Tgt Ion: 59 Resp: 106102

Ion	Ratio	Lower	Upper
59	100		
94	23.1	24.0	36.0#
210	0.0	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) [redacted] RP1581\
Data File : 052814_016.D
Acq On : 28 May 2014 12:03 am
Operator : (b) (7)(C) [redacted]
Sample : Blank Extraction
Misc : Extraction by (b) (7)(C) [redacted]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 06 13:11:50 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

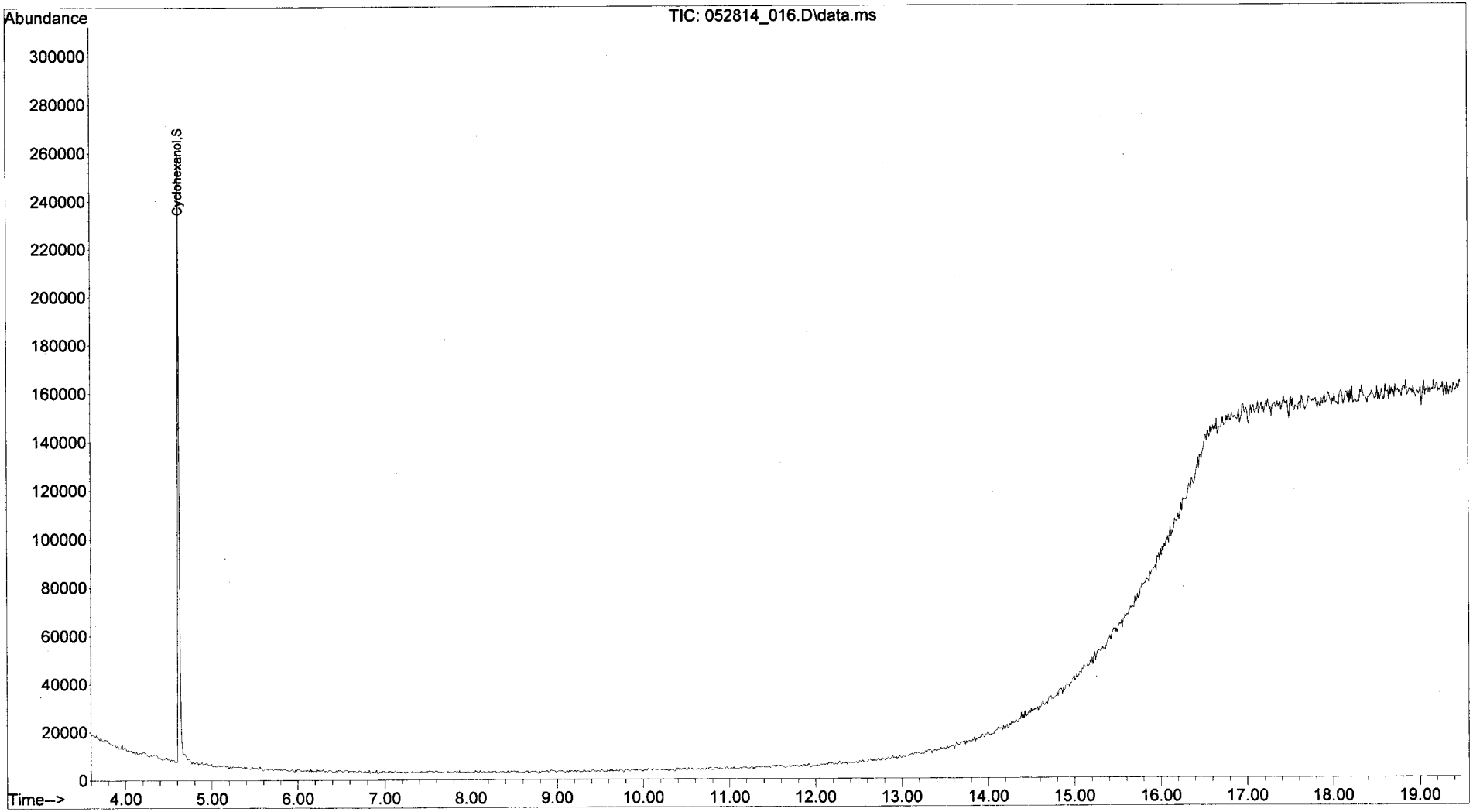
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	74280	23.03 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	0.000		0	N.D.	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_016.D
Acq On : 29 May 2014 12:03 am
Operator : (b) (7)
Sample : Blank Extraction
Misc : Extraction by (b) (7)(C)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 06 13:11:50 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA[redacted] (b) (7)(C) RP1581\
Data File : 052814_017.D
Acq On : 29 May 2014 12:32 am
Operator : [redacted] (b) (7) (C)
Sample : N405006-02AEXT
Misc : Extraction by [redacted] (b) (7)(C)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 14:03:31 2014
Quant Method : C:\msdchem\1\METHODS\[redacted] (b) (7) (C) _RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

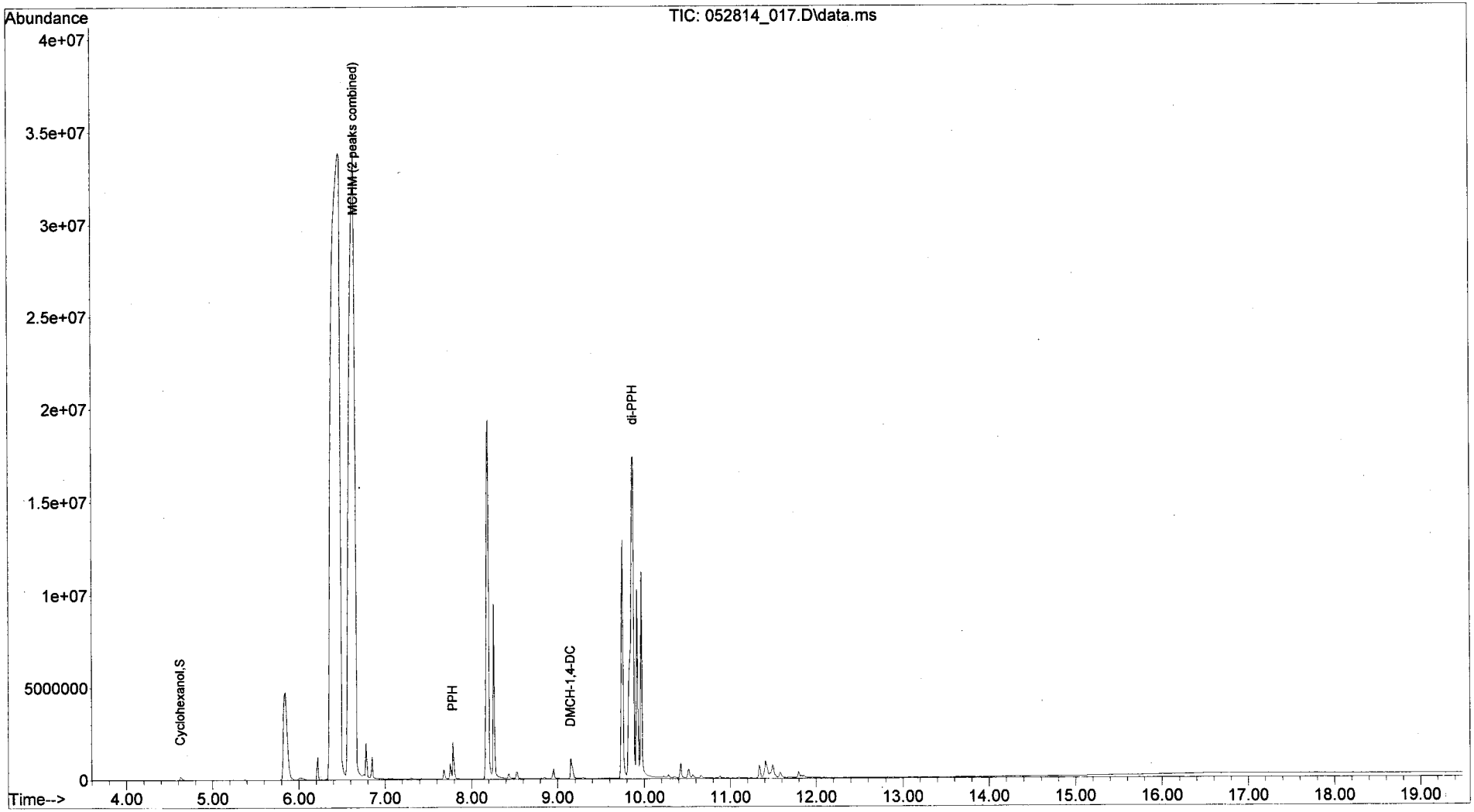
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	72388	22.44 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.654	55	89227770m	21401.80 ug/mL	
3) PPH	7.784	94	668862	128.86 ug/mL	96
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	329464	100.74 ug/mL#	92
6) di-PPH	9.877	59	18167739m	8105.78 ug/mL	

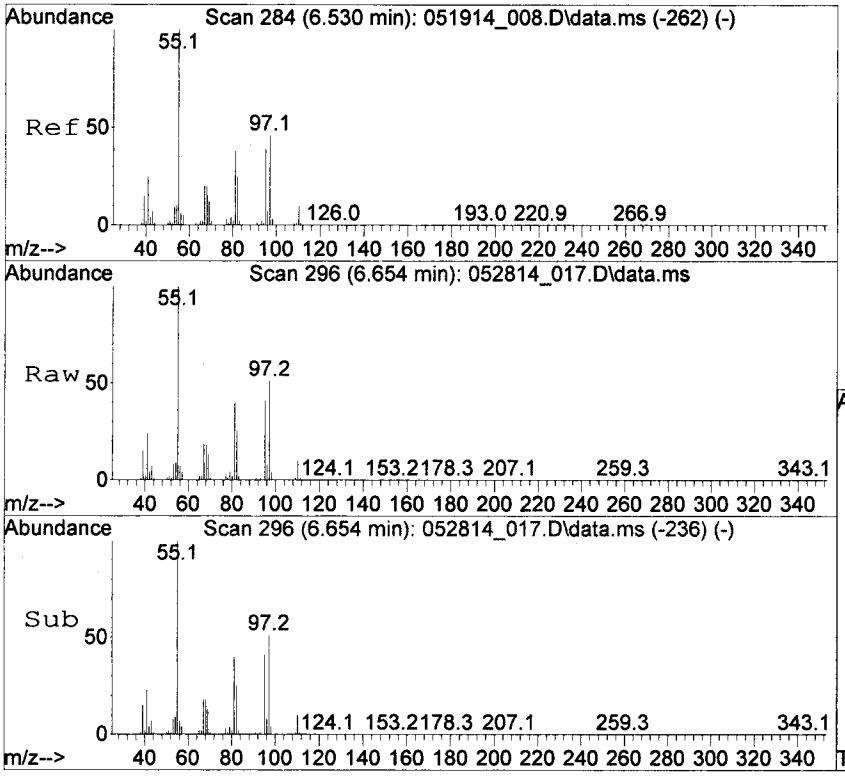
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_017.D
Acq On : 29 May 2014 12:3[redacted]
Operator : (b) (7)
Sample : N405006-02AEXT
Misc : Extraction by (b) (7)(C)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 14:03:31 2014
Quant Method : C:\msdchem\1\METHODS\(b) (7)(C)_RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

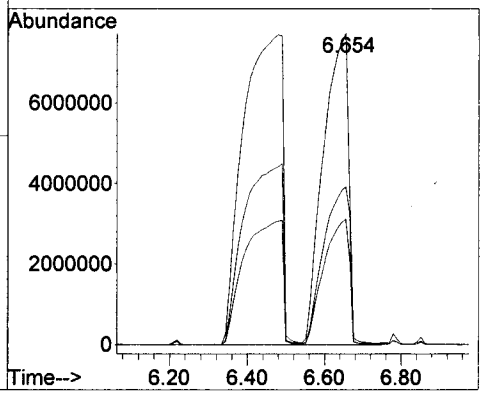


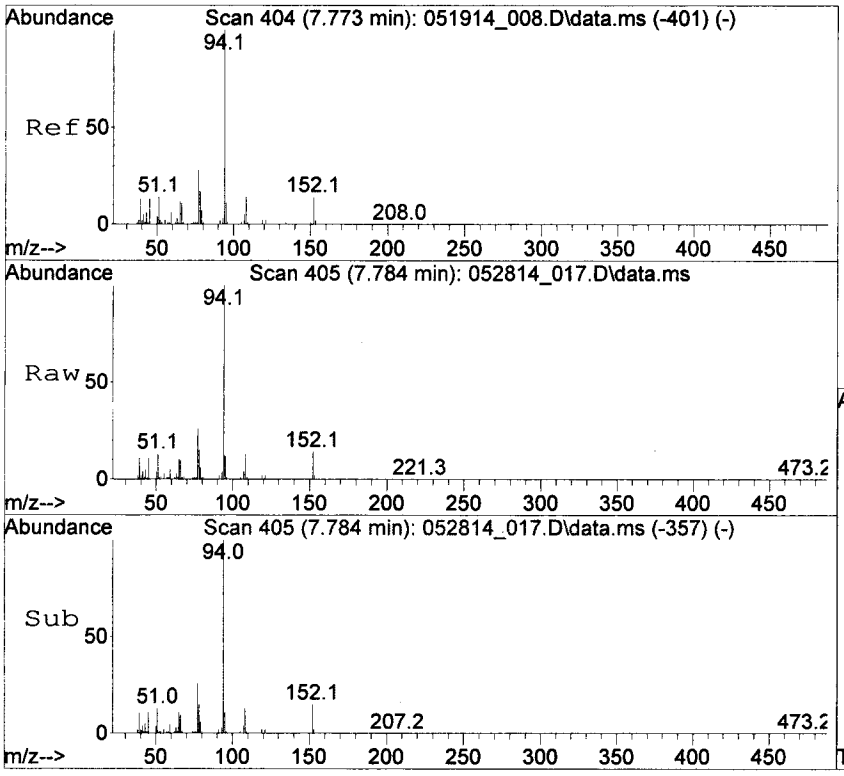


#2
MCHM (2 peaks combined)
Concen: 21401.80 ug/mL m
RT: 6.654 min Scan# 296
Delta R.T. 0.124 min
Lab File: 052814_017.D
Acq: 29 May 2014 12:32 am

Tgt Ion: 55 Resp:89227770

Ion	Ratio	Lower	Upper
55	100		
97	0.2	31.5	47.3#
81	0.1	24.2	36.4#

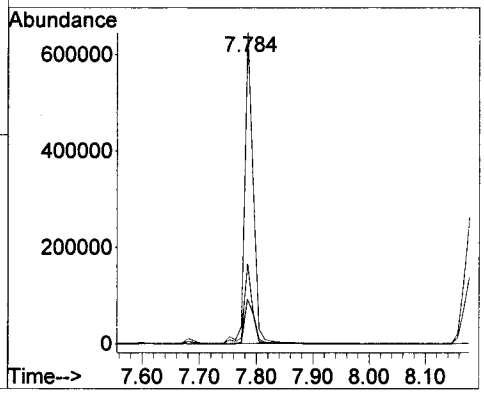


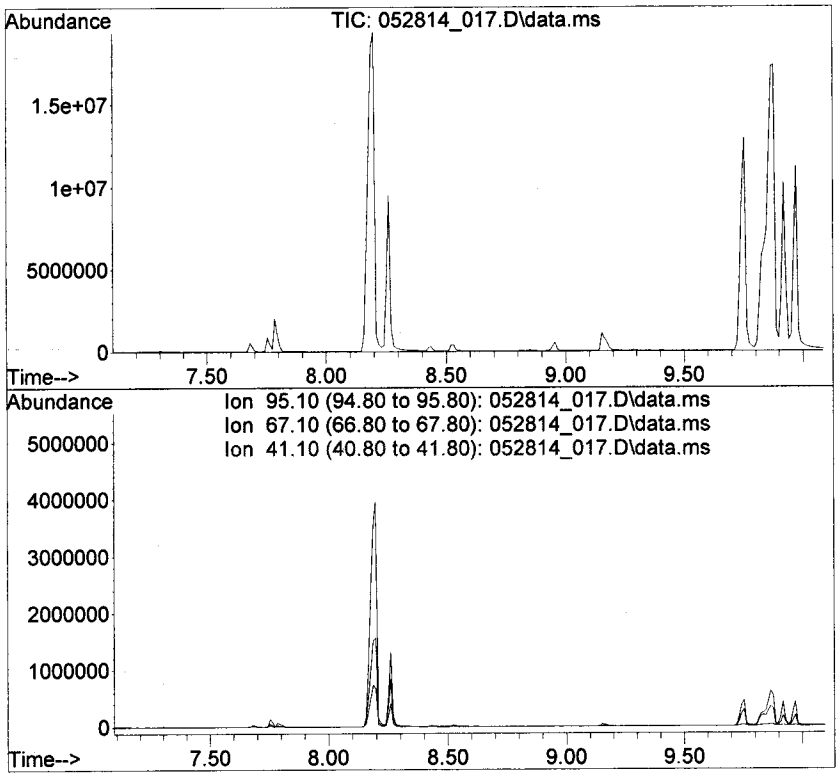


#3
PPH
Concen: 128.86 ug/mL
RT: 7.784 min Scan# 405
Delta R.T. 0.000 min
Lab File: 052814_017.D
Acq: 29 May 2014 12:32 am

Tgt Ion: 94 Resp: 668862

Ion	Ratio	Lower	Upper
94	100		
77	25.0	19.0	28.4
152	15.7	14.9	22.3



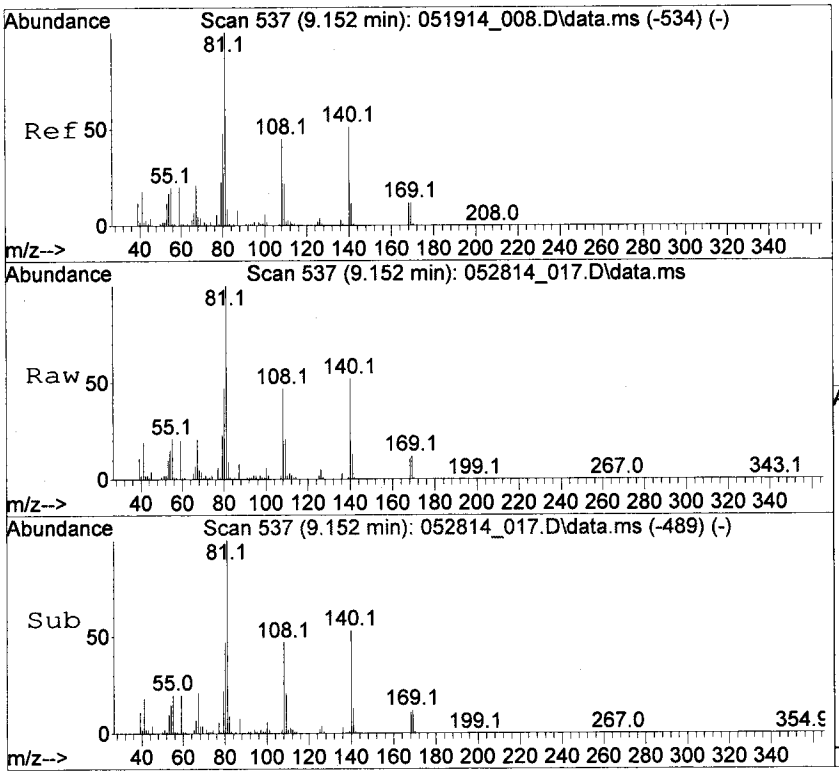


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_017.D
Acq: 29 May 2014 12:32 am

Tgt Ion: 95

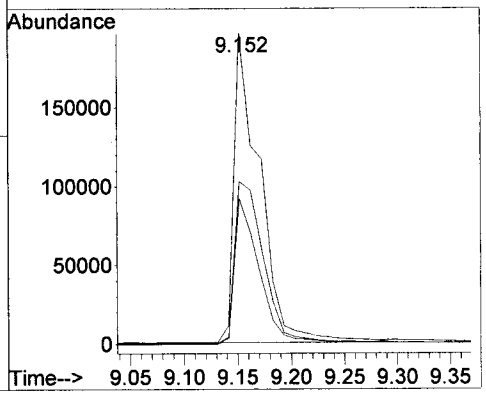
Sig	Exp Ratio
95	100
67	41.4
41	53.2

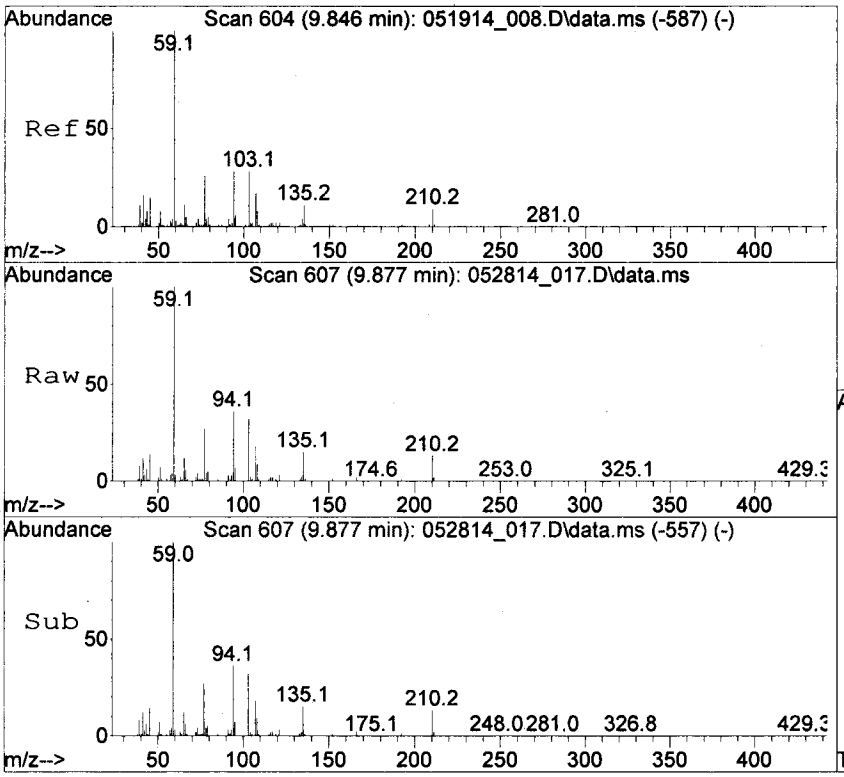


#5
DMCH-1,4-DC
Concen: 100.74 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_017.D
Acq: 29 May 2014 12:32 am

Tgt Ion: 81 Resp: 329464

Ion	Ratio	Lower	Upper
81	100		
108	45.6	29.0	43.4#
140	61.1	50.9	76.3

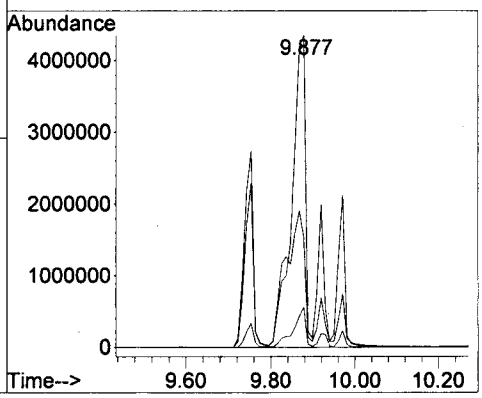




#6
di-PPH
Concen: 8105.78 ug/mL m
RT: 9.877 min Scan# 607
Delta R.T. 0.021 min
Lab File: 052814_017.D
Acq: 29 May 2014 12:32 am

Tgt Ion: 59 Resp:18167739

Ion	Ratio	Lower	Upper
59	100		
94	32.5	24.0	36.0
210	6.1	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_018.D
Acq On : 29 May 2014 1:02 am
Operator : (b) (7)
Sample : N405006-02BEXT
Misc : Extraction by (b) (7)(C)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 08 14:04:32 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7)(C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

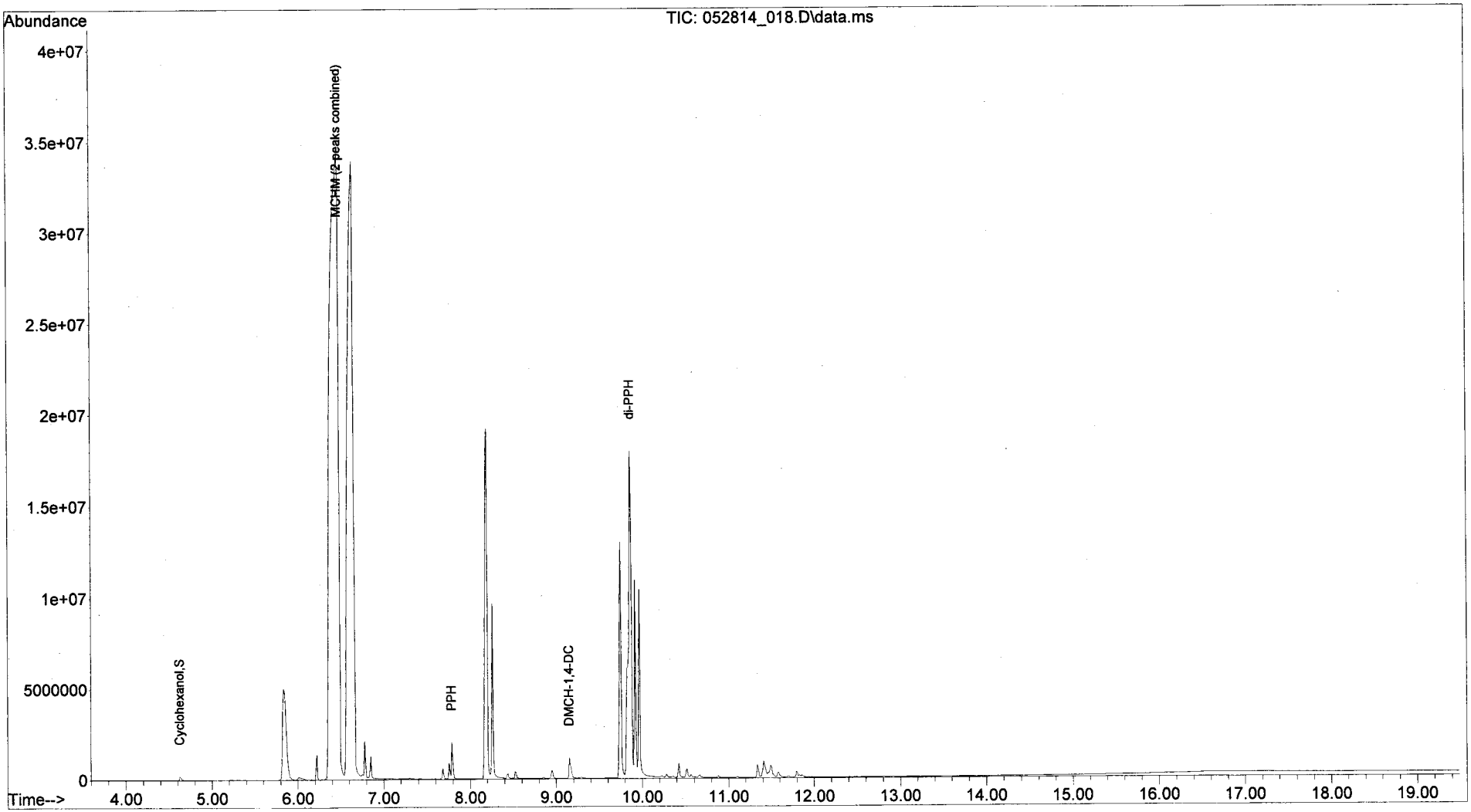
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	83846	25.99 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.478	55	89481960m	21462.76 ug/mL	
3) PPH	7.784	94	680800	131.08 ug/mL	95
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	329808	100.85 ug/mL#	93
6) di-PPH	9.867	59	17704873m	7899.33 ug/mL	

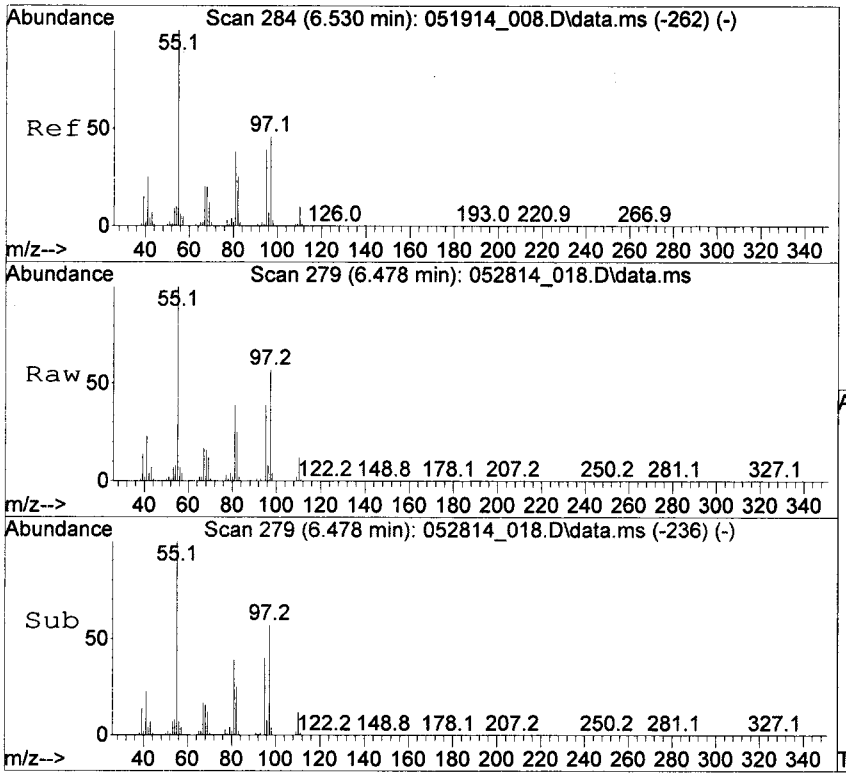
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] (b) (7)(C) RP1581\
Data File : 052814_018.D
Acq On : 29 May 2014 1:02 am
Operator : [redacted] (b)
Sample : N405006-02BEXT
Misc : Extraction by [redacted] (b) (7)(C)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 08 14:04:32 2014
Quant Method : C:\msdchem\1\METHODS\[redacted] (b) (7) (C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

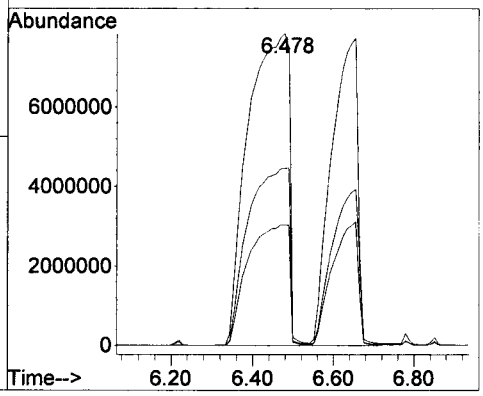


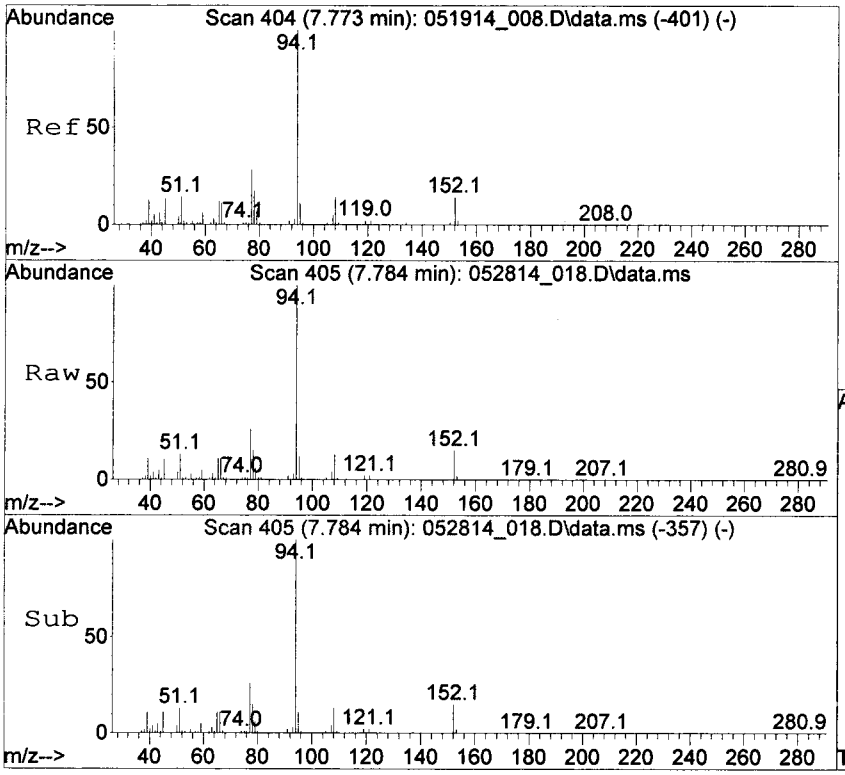


#2
MCHM (2 peaks combined)
Concen: 21462.76 ug/mL m
RT: 6.478 min Scan# 279
Delta R.T. -0.052 min
Lab File: 052814_018.D
Acq: 29 May 2014 1:02 am

Tgt Ion: 55 Resp:89481960

Ion	Ratio	Lower	Upper
55	100		
97	0.2	31.5	47.3#
81	0.1	24.2	36.4#

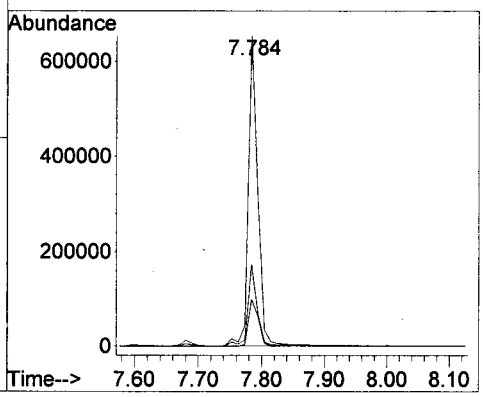


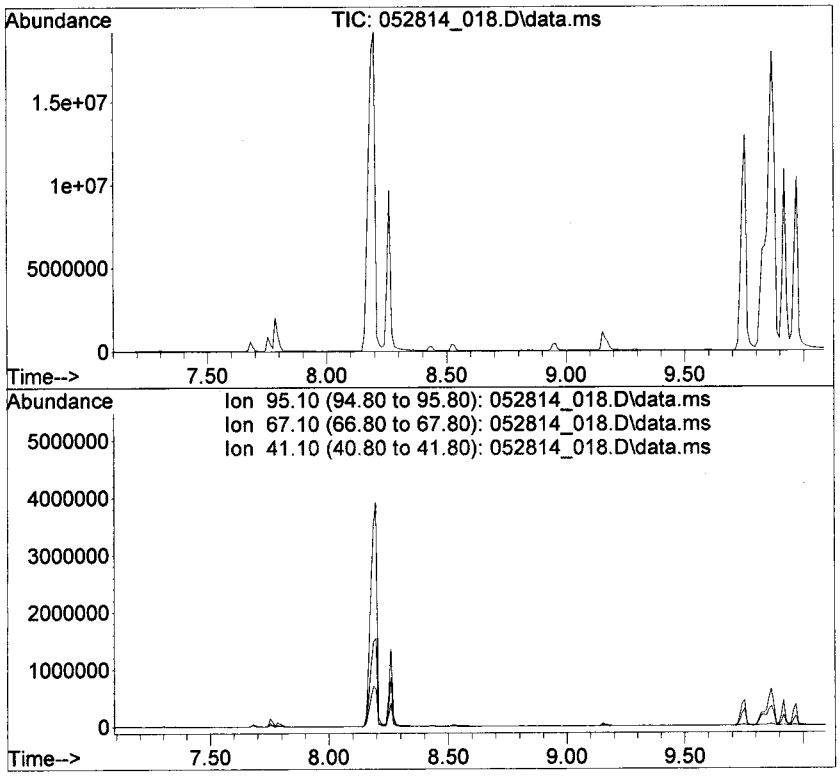


#3
PPH
Concen: 131.08 ug/mL
RT: 7.784 min Scan# 405
Delta R.T. -0.000 min
Lab File: 052814_018.D
Acq: 29 May 2014 1:02 am

Tgt Ion: 94 Resp: 680800

Ion	Ratio	Lower	Upper
94	100		
77	26.0	19.0	28.4
152	16.3	14.9	22.3



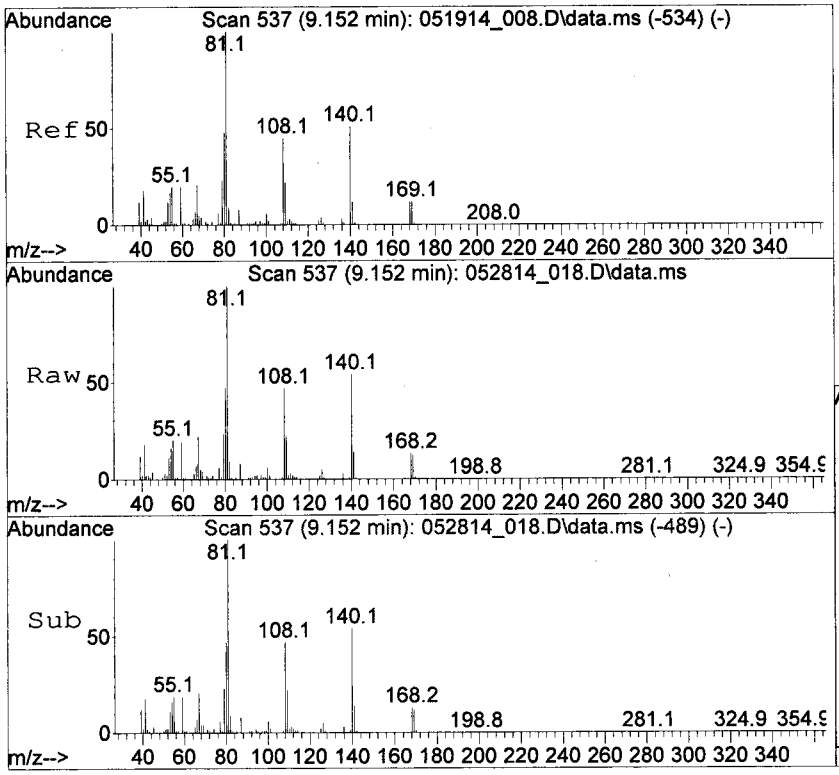


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_018.D
Acq: 29 May 2014 1:02 am

Tgt Ion: 95

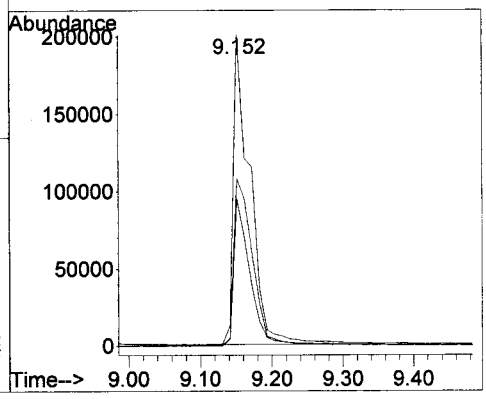
Sig	Exp Ratio
95	100
67	41.4
41	53.2

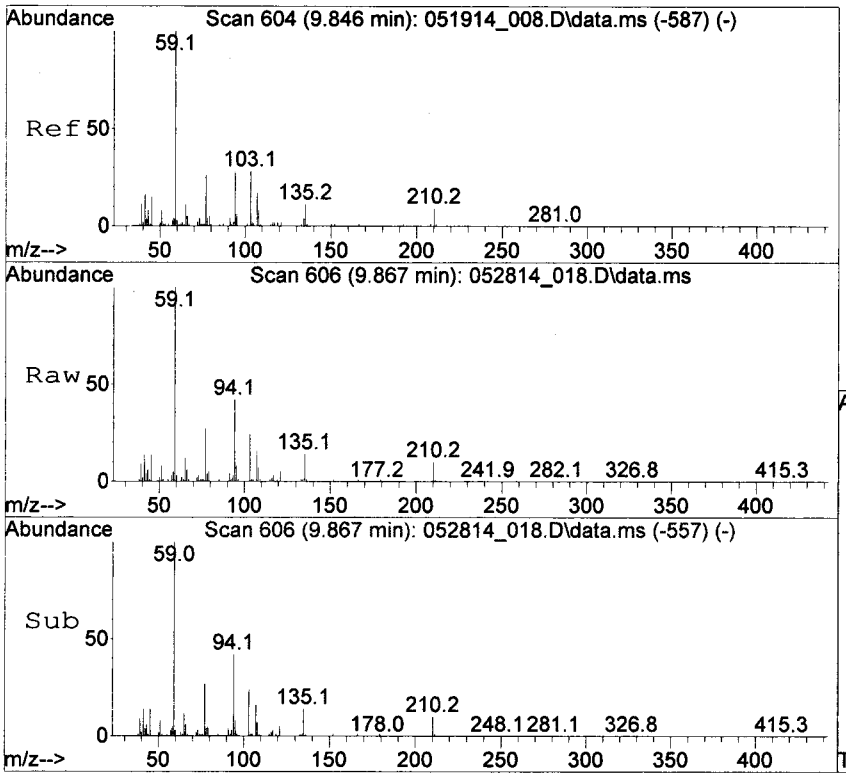


#5
DMCH-1,4-DC
Concen: 100.85 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_018.D
Acq: 29 May 2014 1:02 am

Tgt Ion: 81 Resp: 329808

Ion	Ratio	Lower	Upper
81	100		
108	44.8	29.0	43.4#
140	61.1	50.9	76.3

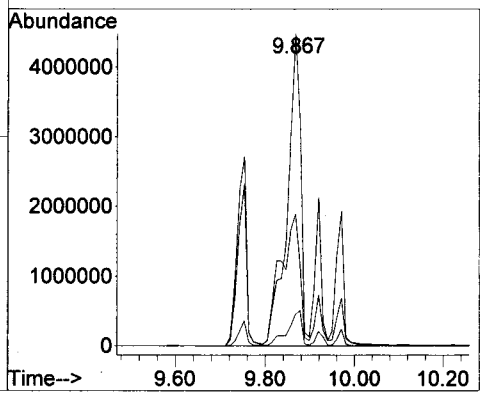




#6
di-PPH
Concen: 7899.33 ug/mL m
RT: 9.867 min Scan# 606
Delta R.T. 0.011 min
Lab File: 052814_018.D
Acq: 29 May 2014 1:02 am

Tgt Ion: 59 Resp:17704873

Ion	Ratio	Lower	Upper
59	100		
94	32.1	24.0	36.0
210	6.2	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_019.D
Acq On : 29 May 2014 1:32 am
Operator : (b) (7)
Sample : N405006-02CEXT
Misc : Extraction by (b) (7)(C)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 08 14:05:18 2014
Quant Method : C:\msdchem\1\METHODS\(b) (7)(C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

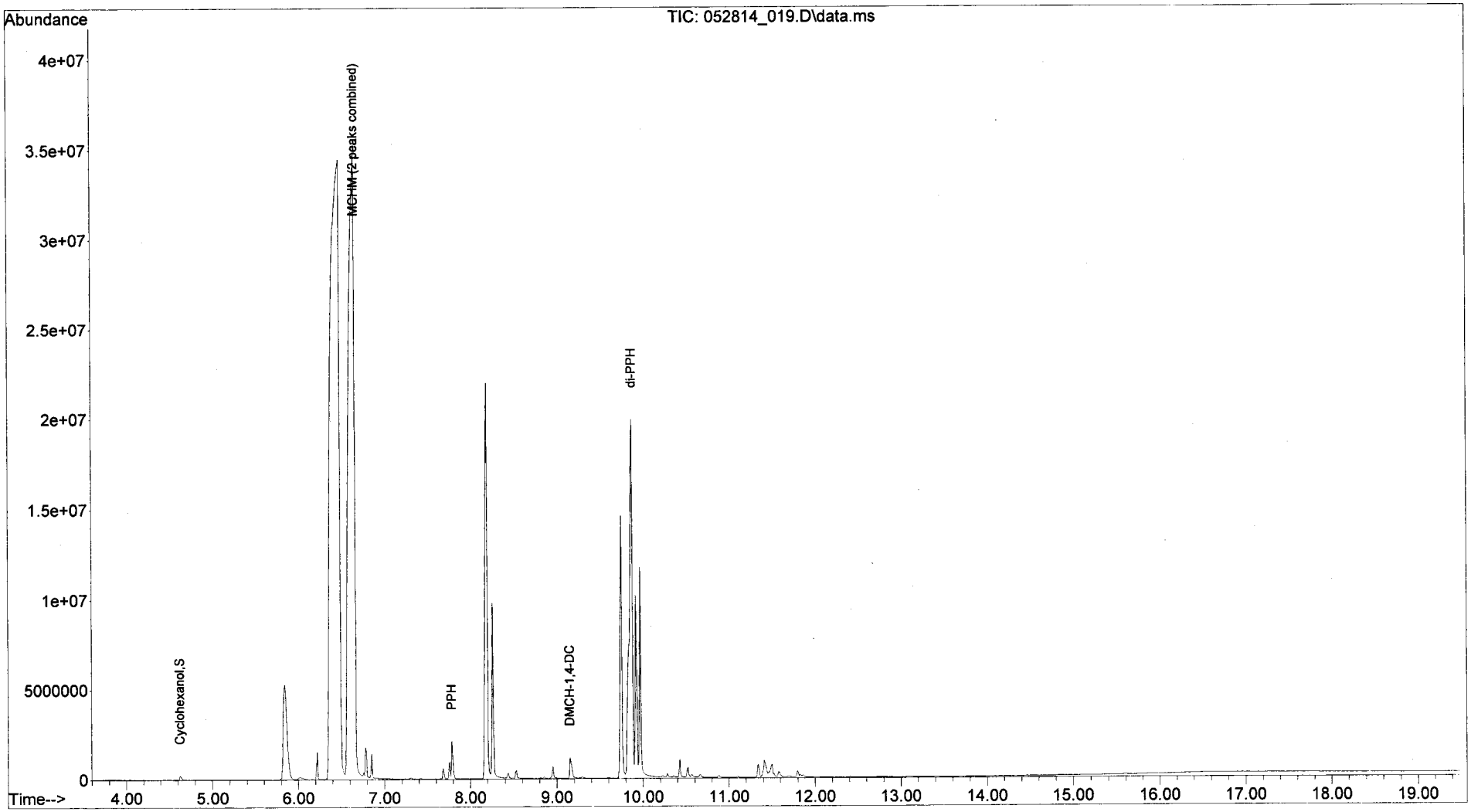
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	93505	28.99 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.665	55	92863025m	22273.63 ug/mL	
3) PPH	7.784	94	764968	146.77 ug/mL	96
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	361830	110.35 ug/mL#	92
6) di-PPH	9.877	59	19564038m	8728.56 ug/mL	

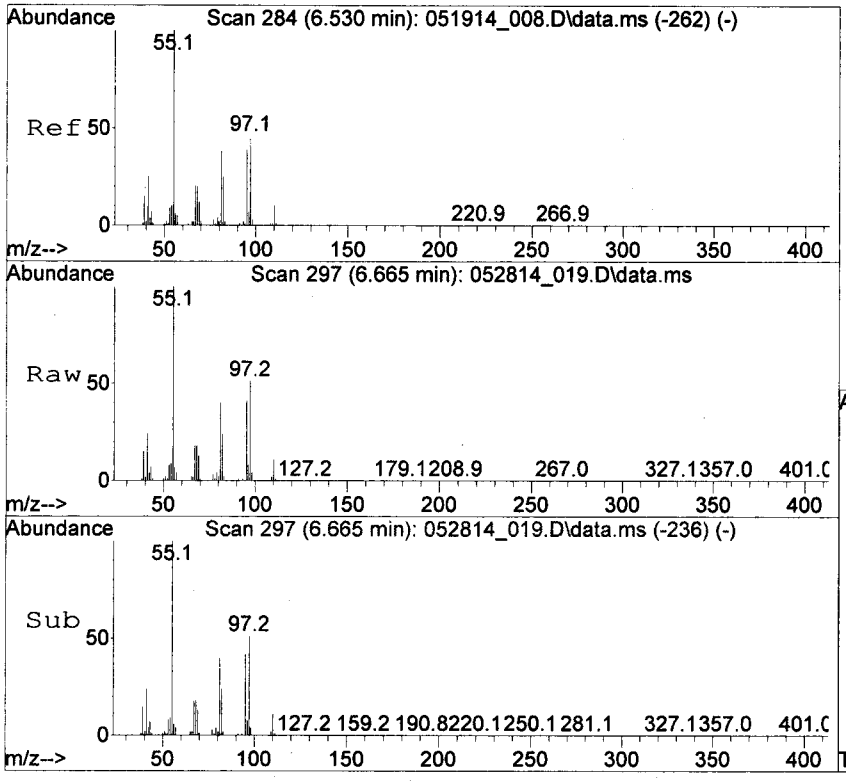
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) [redacted] RP1581\
Data File : 052814_019.D
Acq On : 29 May 2014 1:32 am
Operator : (b) (7) [redacted]
Sample : N405006-02CEXT
Misc : Extraction by (b) (7)(C) [redacted]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 08 14:05:18 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7) (C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

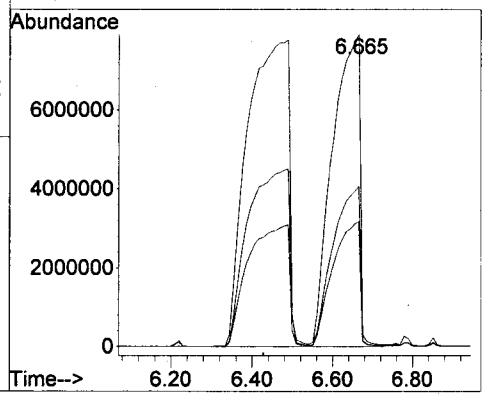


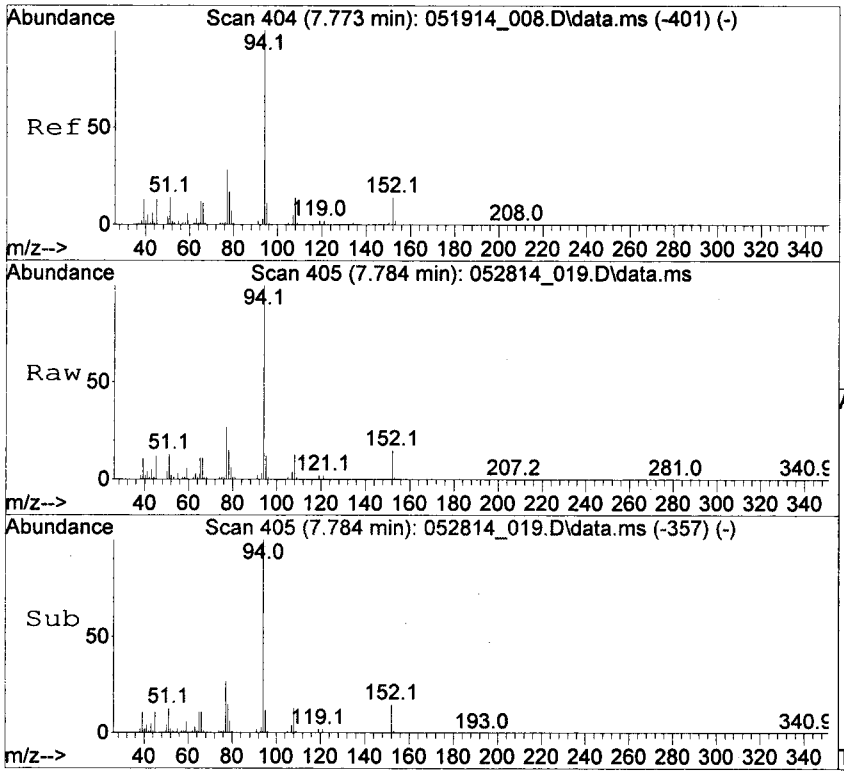


#2
MCHM (2 peaks combined)
Concen: 22273.63 ug/mL m
RT: 6.665 min Scan# 297
Delta R.T. 0.135 min
Lab File: 052814_019.D
Acq: 29 May 2014 1:32 am

Tgt Ion: 55 Resp:92863025

Ion	Ratio	Lower	Upper
55	100		
97	0.2	31.5	47.3#
81	0.2	24.2	36.4#

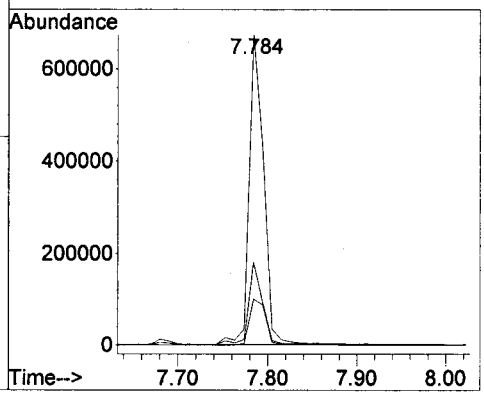


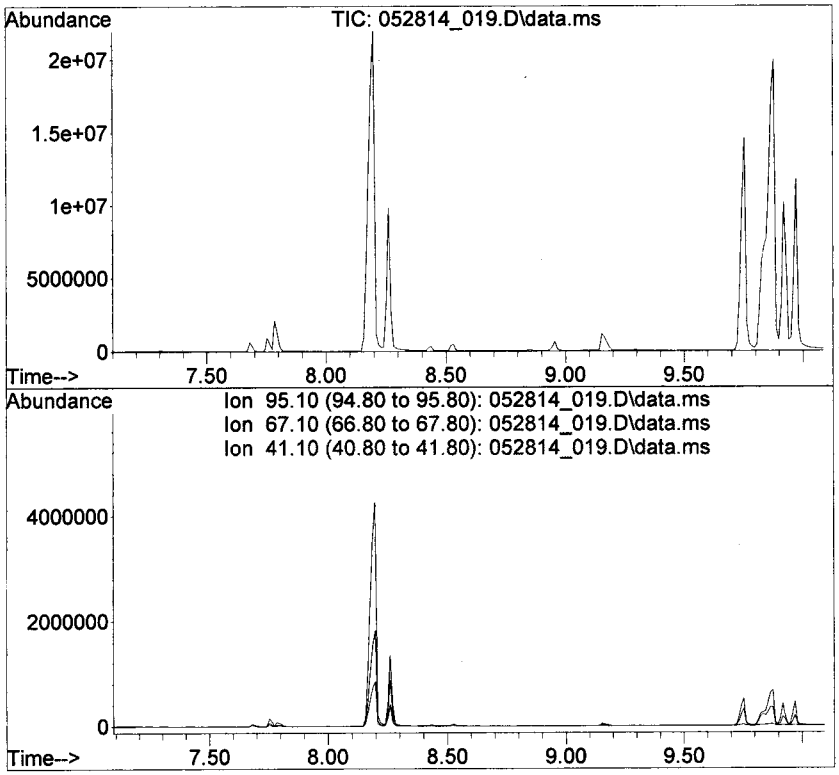


#3
PPH
Concen: 146.77 ug/mL
RT: 7.784 min Scan# 405
Delta R.T. -0.000 min
Lab File: 052814_019.D
Acq: 29 May 2014 1:32 am

Tgt Ion: 94 Resp: 764968

Ion	Ratio	Lower	Upper
94	100		
77	25.6	19.0	28.4
152	16.7	14.9	22.3



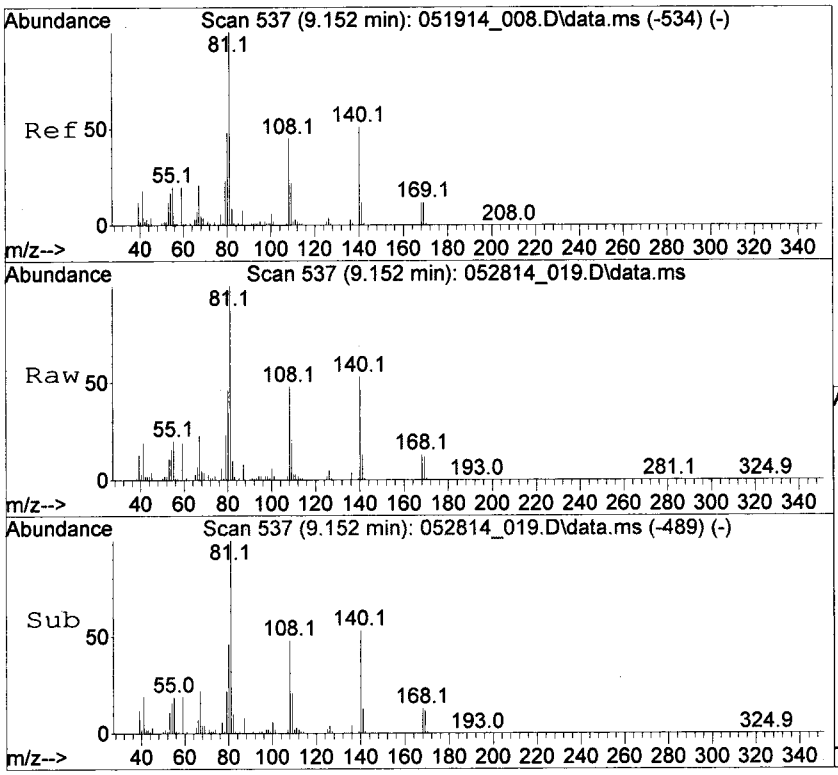


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_019.D
Acq: 29 May 2014 1:32 am

Tgt Ion: 95

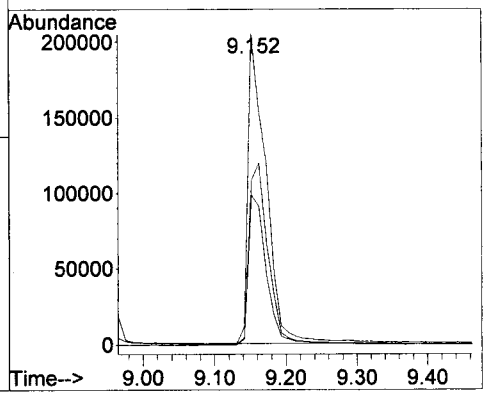
Sig	Exp Ratio
95	100
67	41.4
41	53.2

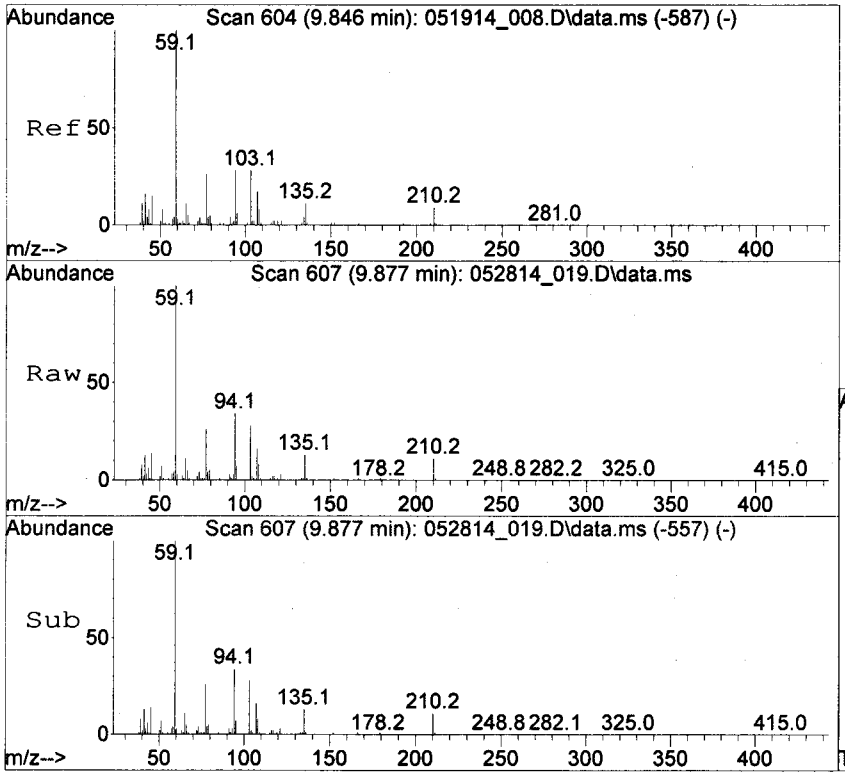


#5
DMCH-1,4-DC
Concen: 110.35 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_019.D
Acq: 29 May 2014 1:32 am

Tgt Ion: 81 Resp: 361830

Ion	Ratio	Lower	Upper
81	100		
108	46.9	29.0	43.4#
140	62.0	50.9	76.3

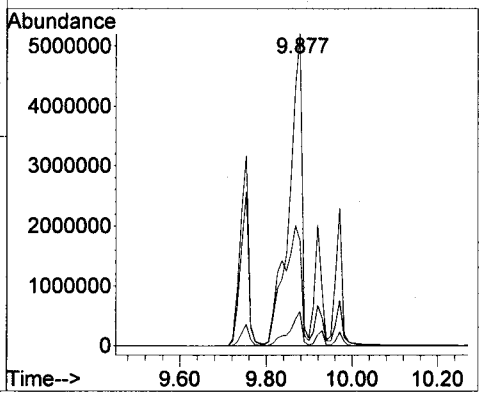




#6
di-PPH
Concen: 8728.56 ug/mL m
RT: 9.877 min Scan# 607
Delta R.T. 0.021 min
Lab File: 052814_019.D
Acq: 29 May 2014 1:32 am

Tgt Ion: 59 Resp:19564038

Ion	Ratio	Lower	Upper
59	100		
94	32.0	24.0	36.0
210	5.9	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) P1581\
Data File : 052814_020.D
Acq On : 29 May 2014 2:0
Operator : (b) (7)(C)
Sample : N405006-10EXT
Misc : Extraction by (b) (7)(C)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 08 14:06:09 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

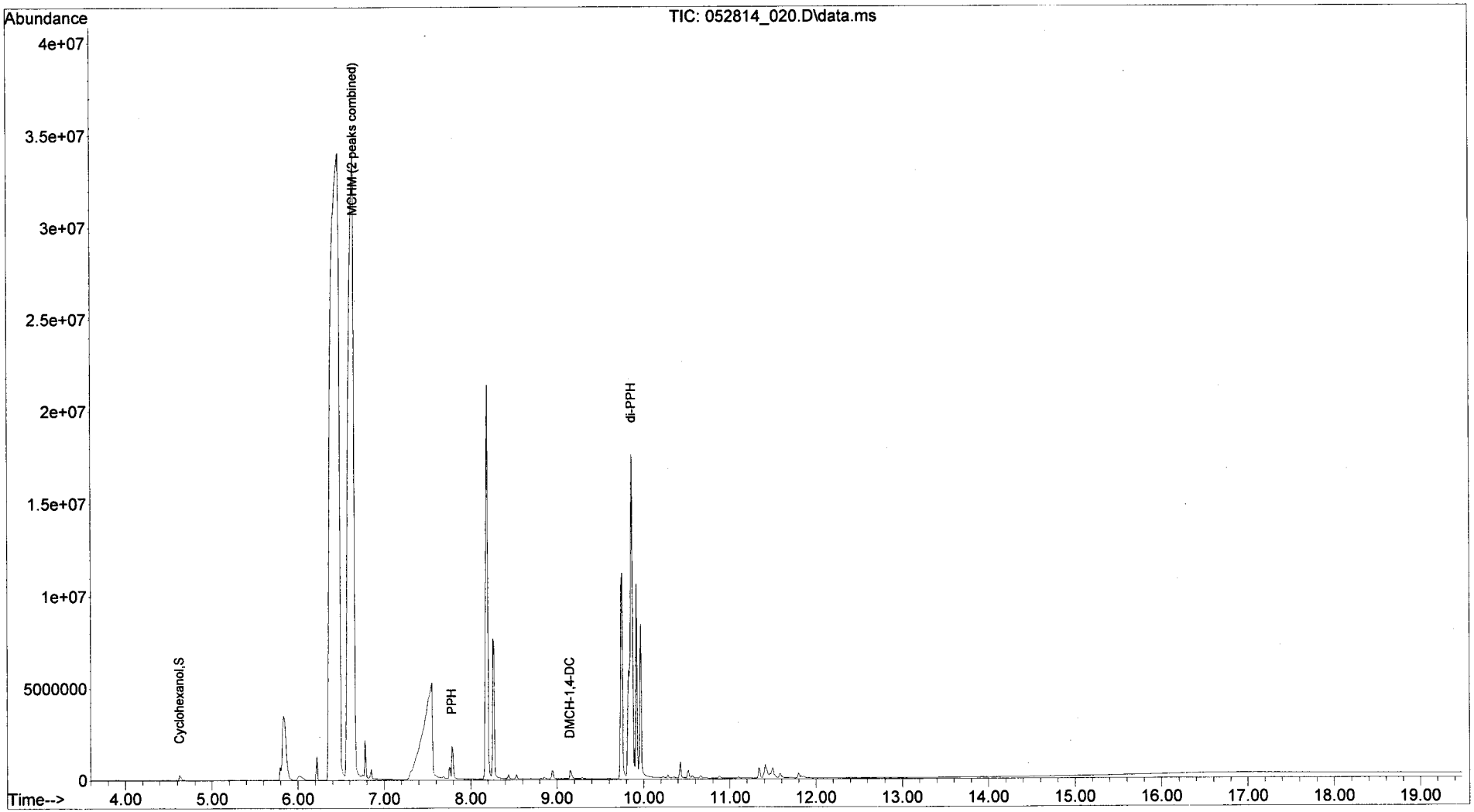
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	111459	34.55 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.654	55	88215454m	21159.02 ug/mL	
3) PPH	7.784	94	765295	146.83 ug/mL	96
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	132275	42.24 ug/mL#	91
6) di-PPH	9.867	59	16007833m	7142.42 ug/mL	

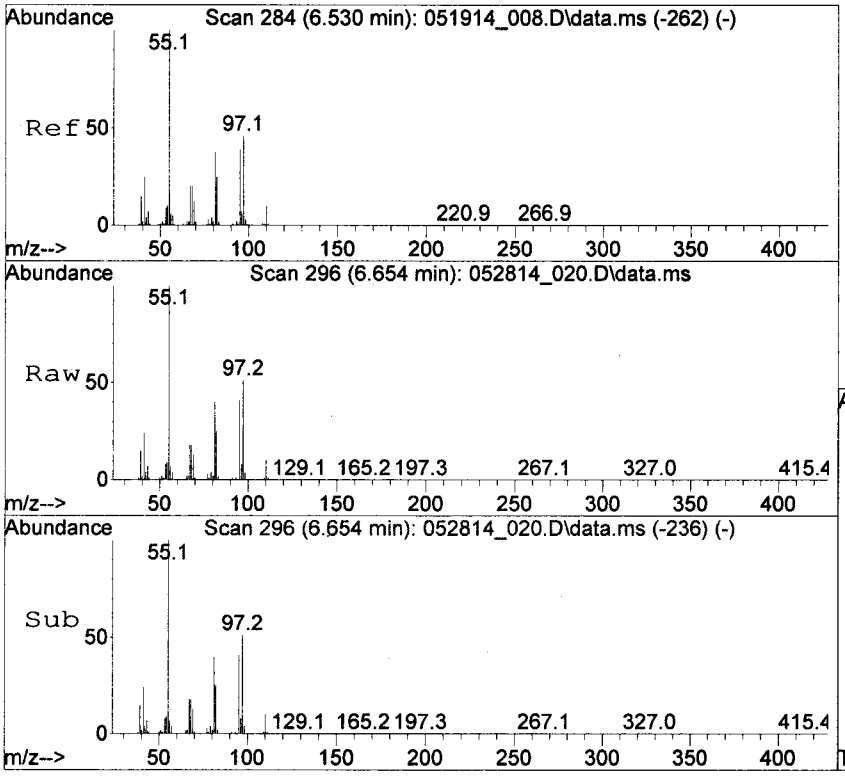
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C) [redacted] P1581\
Data File : 052814_020.D
Acq On : 29 May 2014 2:02 am
Operator : (b) (7) [redacted]
Sample : N405006-10EXT
Misc : Extraction by (b) (7)(C) [redacted]
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 08 14:06:09 2014
Quant Method : C:\msdchem\1\METHODS(b) (7)(C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

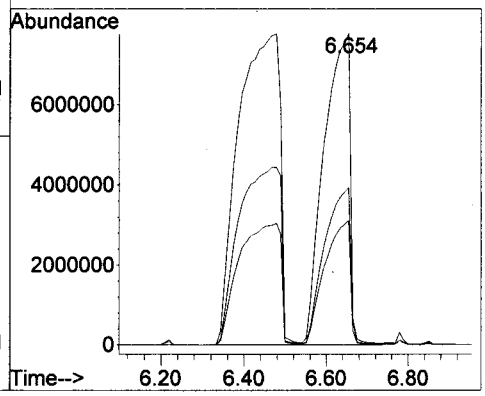


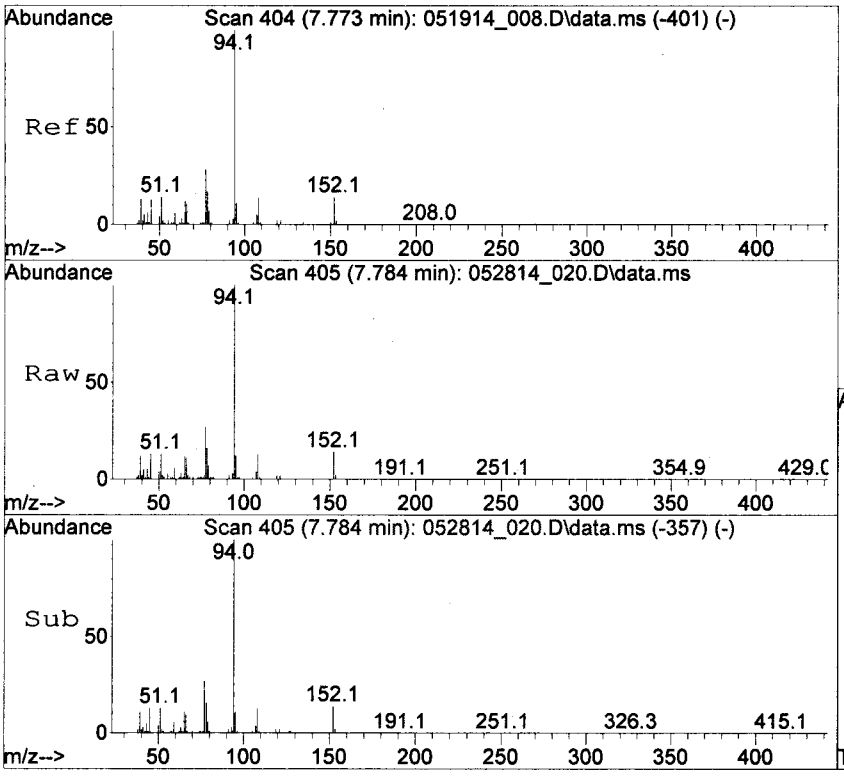


#2
MCHM (2 peaks combined)
Concen: 21159.02 ug/mL m
RT: 6.654 min Scan# 296
Delta R.T. 0.124 min
Lab File: 052814_020.D
Acq: 29 May 2014 2:02 am

Tgt Ion: 55 Resp:88215454

Ion	Ratio	Lower	Upper
55	100		
97	35.2	31.5	47.3
81	24.0	24.2	36.4#

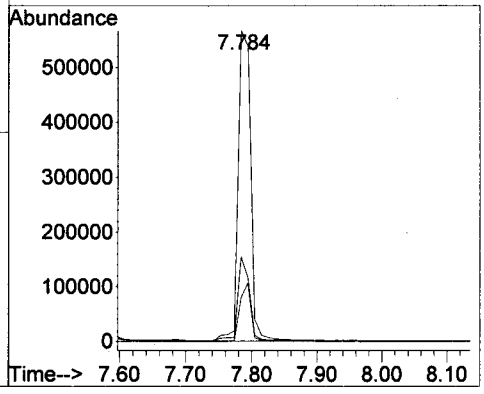


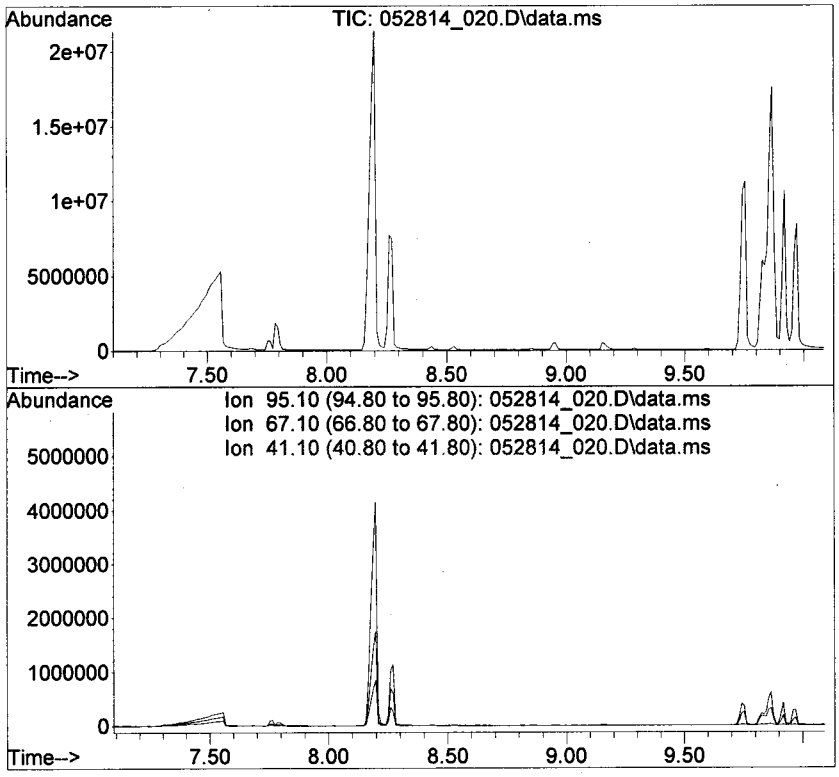


#3
PPH
Concen: 146.83 ug/mL
RT: 7.784 min Scan# 405
Delta R.T. -0.000 min
Lab File: 052814_020.D
Acq: 29 May 2014 2:02 am

Tgt Ion: 94 Resp: 765295

Ion	Ratio	Lower	Upper
94	100		
77	25.0	19.0	28.4
152	16.5	14.9	22.3



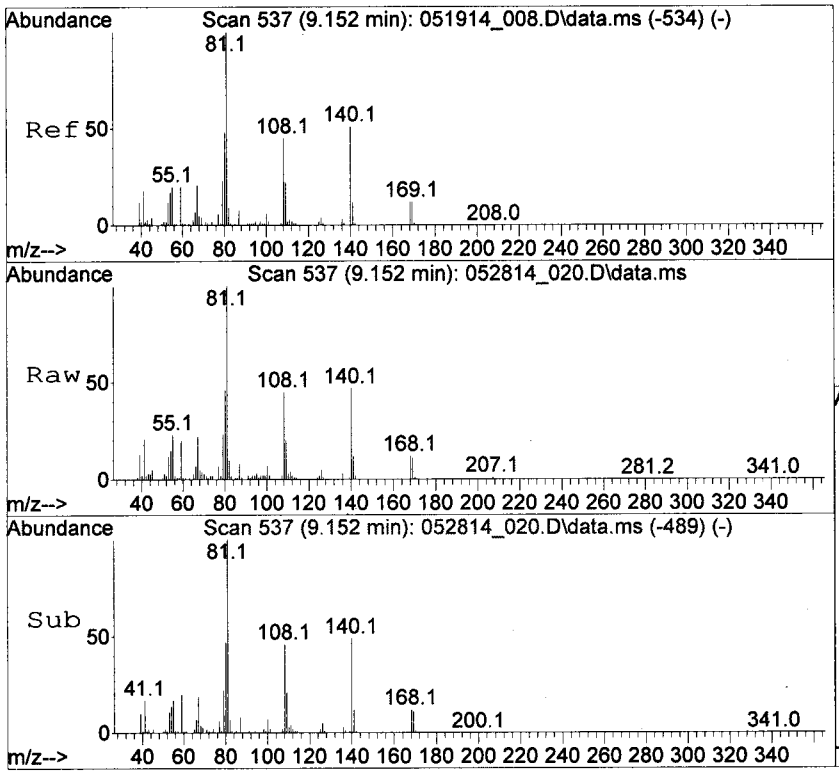


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_020.D
Acq: 29 May 2014 2:02 am

Tgt Ion: 95

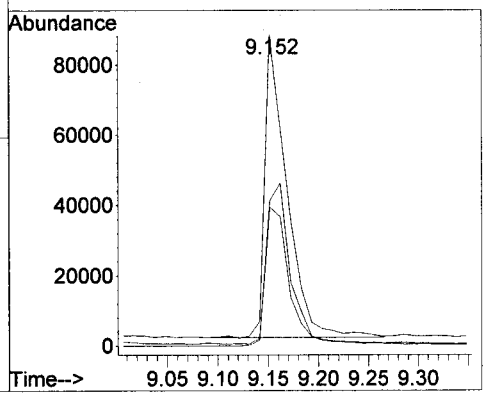
Sig	Exp Ratio
95	100
67	41.4
41	53.2

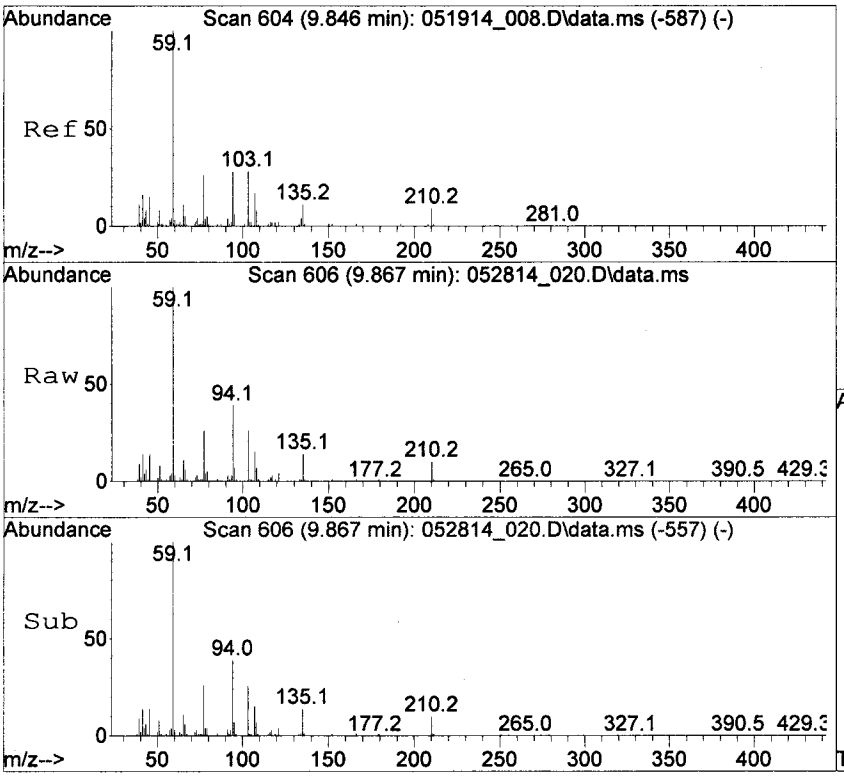


#5
DMCH-1,4-DC
Concen: 42.24 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_020.D
Acq: 29 May 2014 2:02 am

Tgt Ion: 81 Resp: 132275

Ion	Ratio	Lower	Upper
81	100		
108	48.0	29.0	43.4#
140	61.3	50.9	76.3

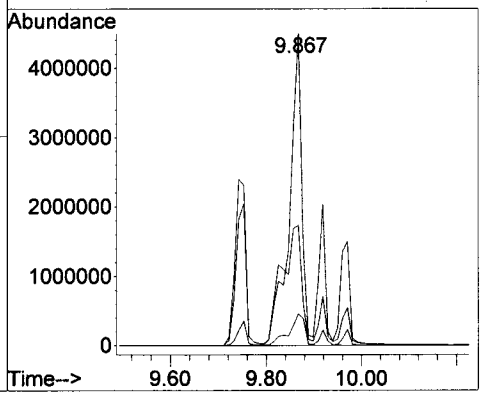




#6
di-PPH
Concen: 7142.42 ug/mL m
RT: 9.867 min Scan# 606
Delta R.T. 0.011 min
Lab File: 052814_020.D
Acq: 29 May 2014 2:02 am

Tgt Ion: 59 Resp:16007833

Ion	Ratio	Lower	Upper
59	100		
94	31.7	24.0	36.0
210	6.4	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C) [redacted]RP1581\
Data File : 052814_021.D
Acq On : 29 May 2014 2:31 am
Operator : (b) (7)(C) [redacted]
Sample : N405006-12EXT
Misc : Extraction by (b) (7)(C) [redacted]
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 14:06:56 2014
Quant Method : C:\msdchem\1\METHODS\(b) (7)(C) [redacted]RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

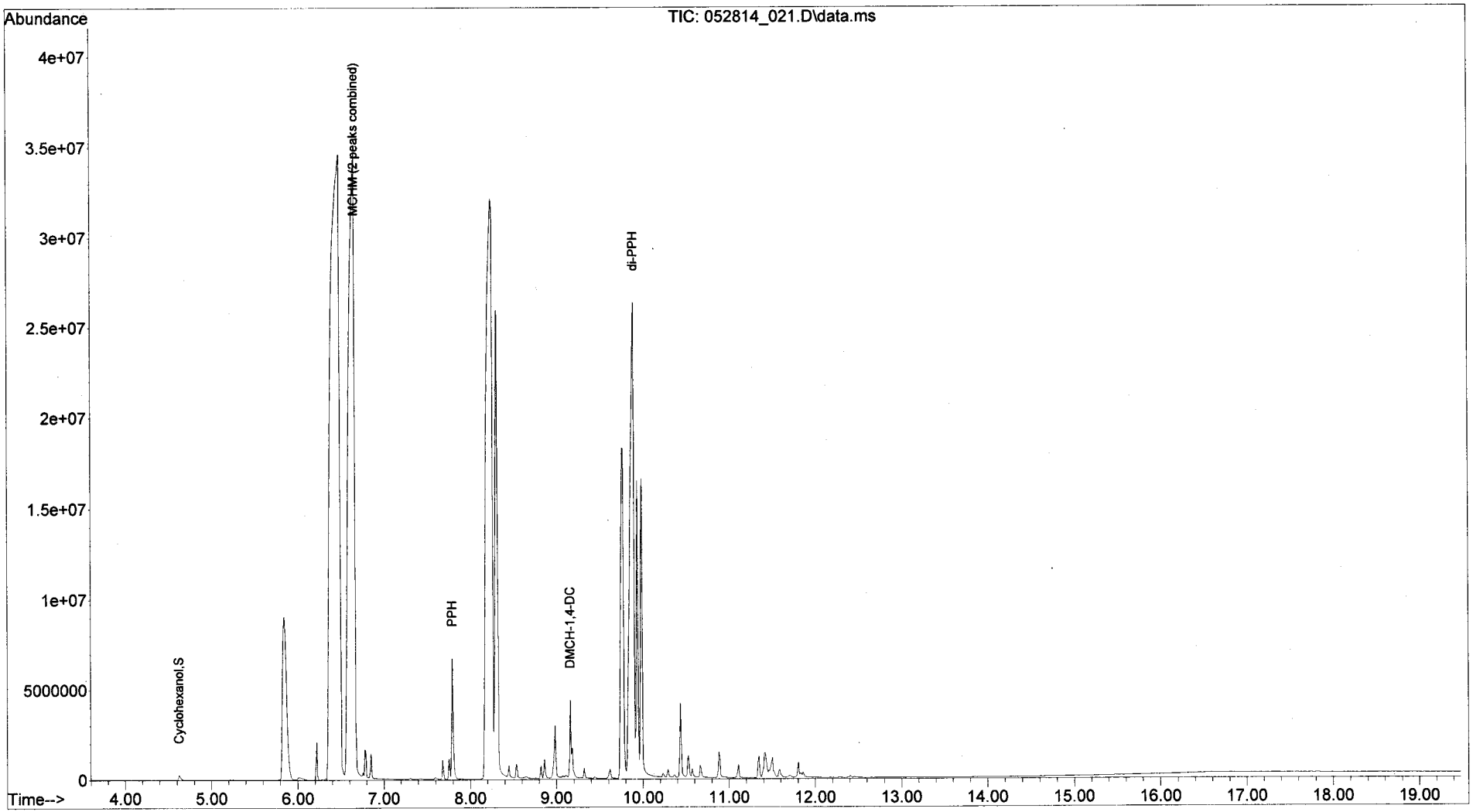
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	116237	36.04 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.665	55	93963748m	22537.61 ug/mL	
3) PPH	7.794	94	2680237	503.80 ug/mL	97
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.162	81	1006431	301.60 ug/mL#	89
6) di-PPH	9.898	59	35230423m	15716.10 ug/mL	

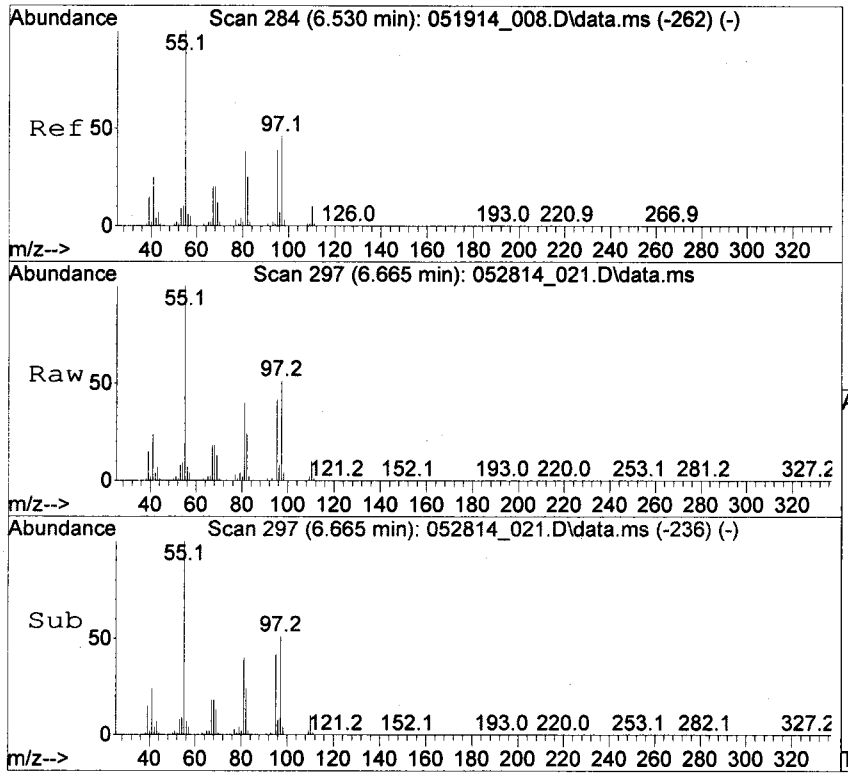
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 052814_021.D
Acq On : 29 May 2014 2:31 am
Operator : (b) (7)
Sample : N405006-12EXT
Misc : Extraction by (b) (7)(C)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 14:06:56 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

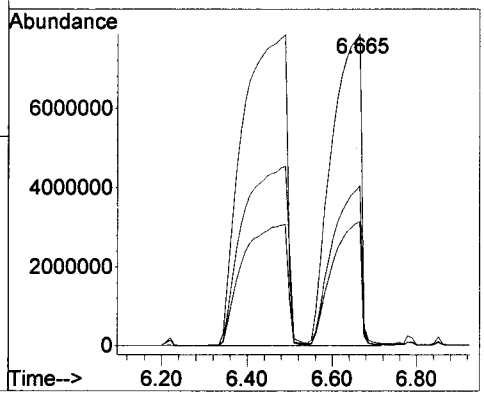


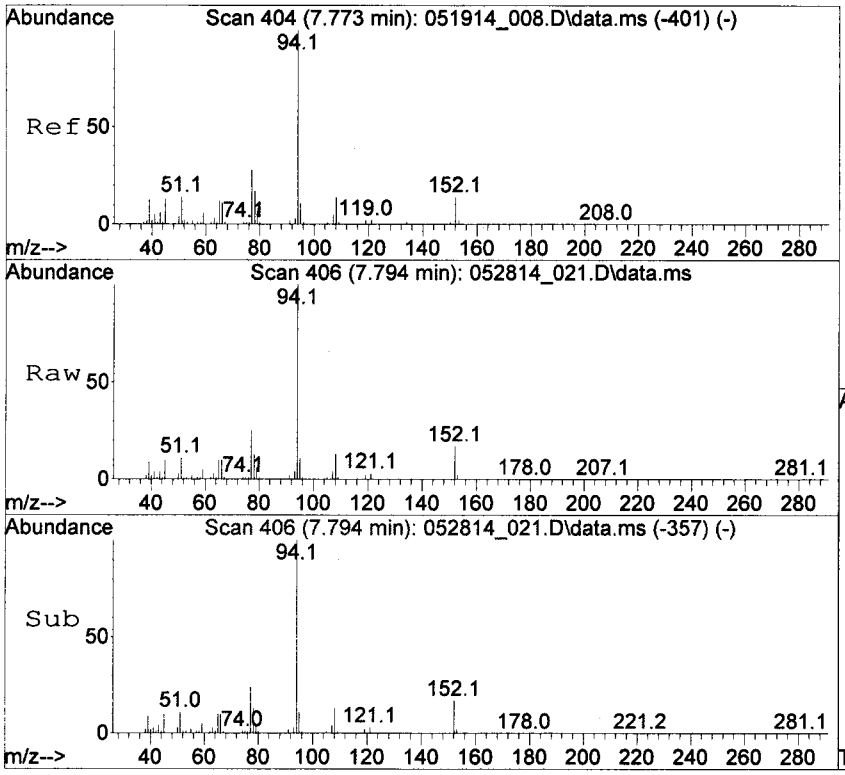


#2
MCHM (2 peaks combined)
Concen: 22537.61 ug/mL m
RT: 6.665 min Scan# 297
Delta R.T. 0.135 min
Lab File: 052814_021.D
Acq: 29 May 2014 2:31 am

Tgt Ion: 55 Resp:93963748

Ion	Ratio	Lower	Upper
55	100		
97	0.2	31.5	47.3#
81	0.1	24.2	36.4#

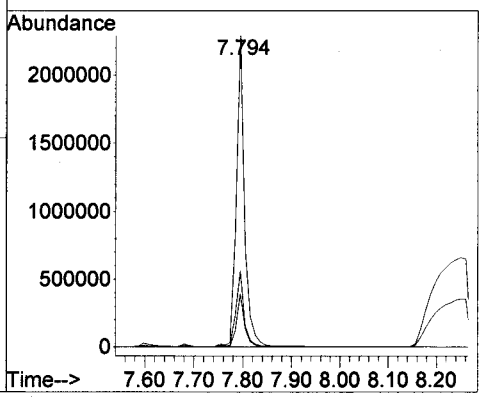


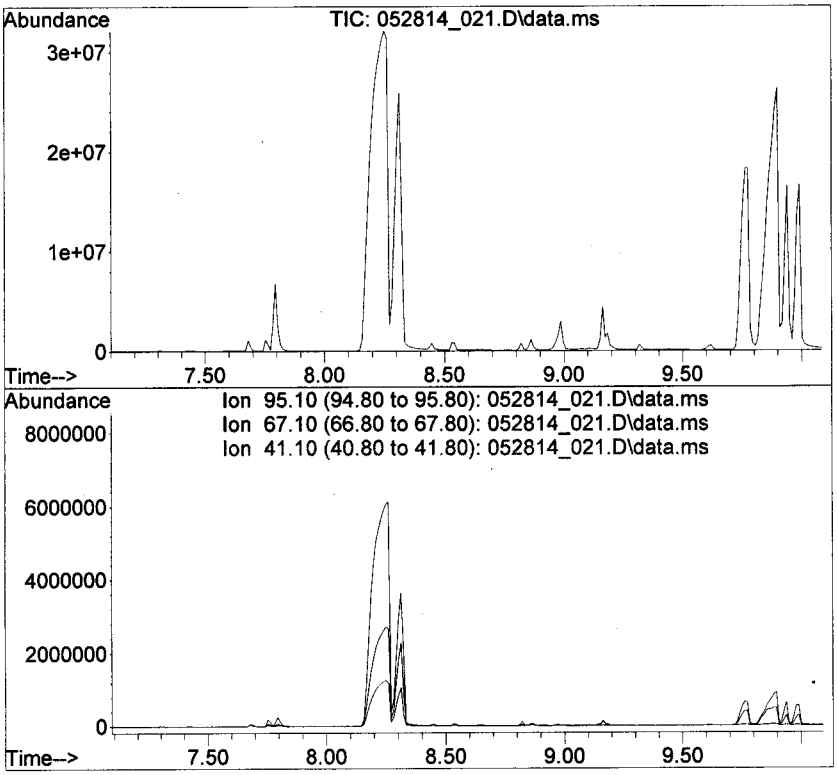


#3
PPH
Concen: 503.80 ug/mL
RT: 7.794 min Scan# 406
Delta R.T. 0.010 min
Lab File: 052814_021.D
Acq: 29 May 2014 2:31 am

Tgt Ion: 94 Resp: 2680237

Ion	Ratio	Lower	Upper
94	100		
77	24.4	19.0	28.4
152	16.6	14.9	22.3



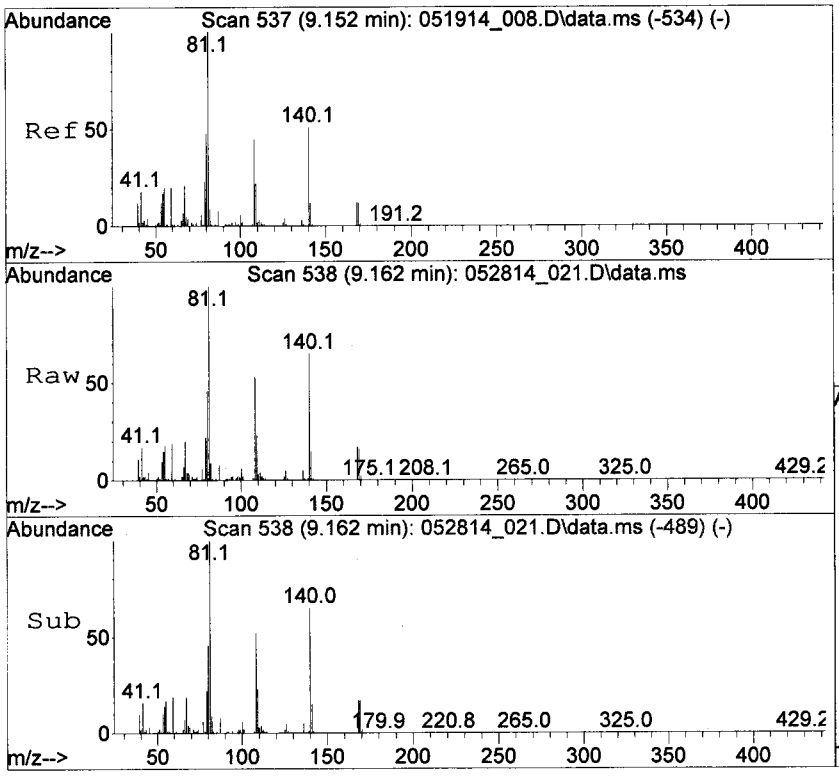


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_021.D
Acq: 29 May 2014 2:31 am

Tgt Ion: 95

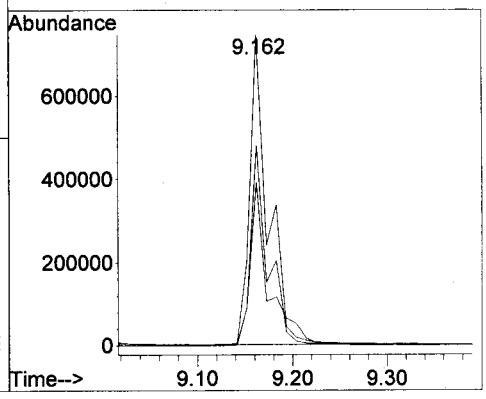
Sig	Exp Ratio
95	100
67	41.4
41	53.2

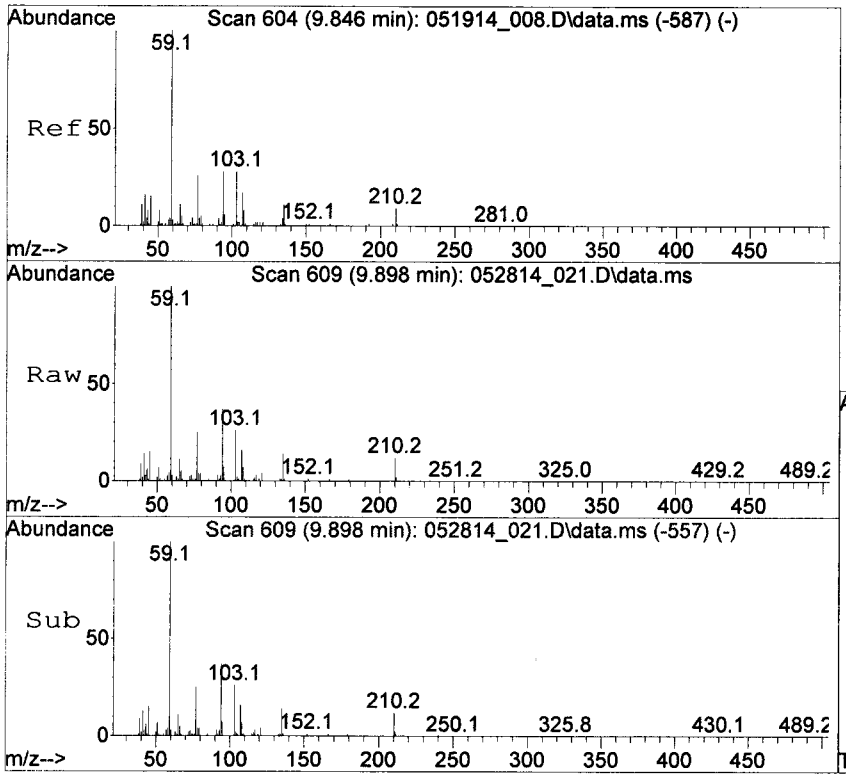


#5
DMCH-1,4-DC
Concen: 301.60 ug/mL
RT: 9.162 min Scan# 538
Delta R.T. 0.010 min
Lab File: 052814_021.D
Acq: 29 May 2014 2:31 am

Tgt Ion: 81 Resp: 1006431

Ion	Ratio	Lower	Upper
81	100		
108	52.2	29.0	43.4#
140	62.2	50.9	76.3

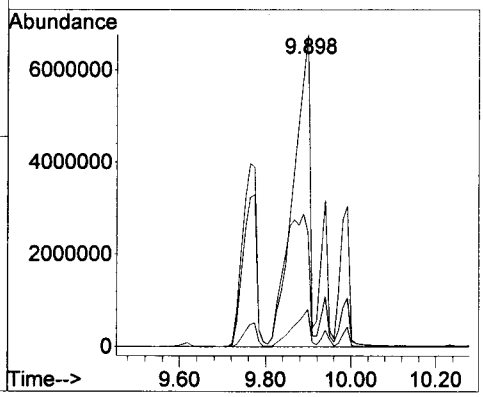




#6
di-PPH
Concen: 15716.10 ug/mL m
RT: 9.898 min Scan# 609
Delta R.T. 0.042 min
Lab File: 052814_021.D
Acq: 29 May 2014 2:31 am

Tgt Ion: 59 Resp:35230423

Ion	Ratio	Lower	Upper
59	100		
94	32.4	24.0	36.0
210	6.2	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) [redacted] RP1581\
Data File : 052814_022.D
Acq On : 29 May 2014 3:01 am
Operator (b) (7)(C) [redacted]
Sample : N405006-08EXT
Misc : Extraction by (b) (7)(C) [redacted]
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 14:07:57 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

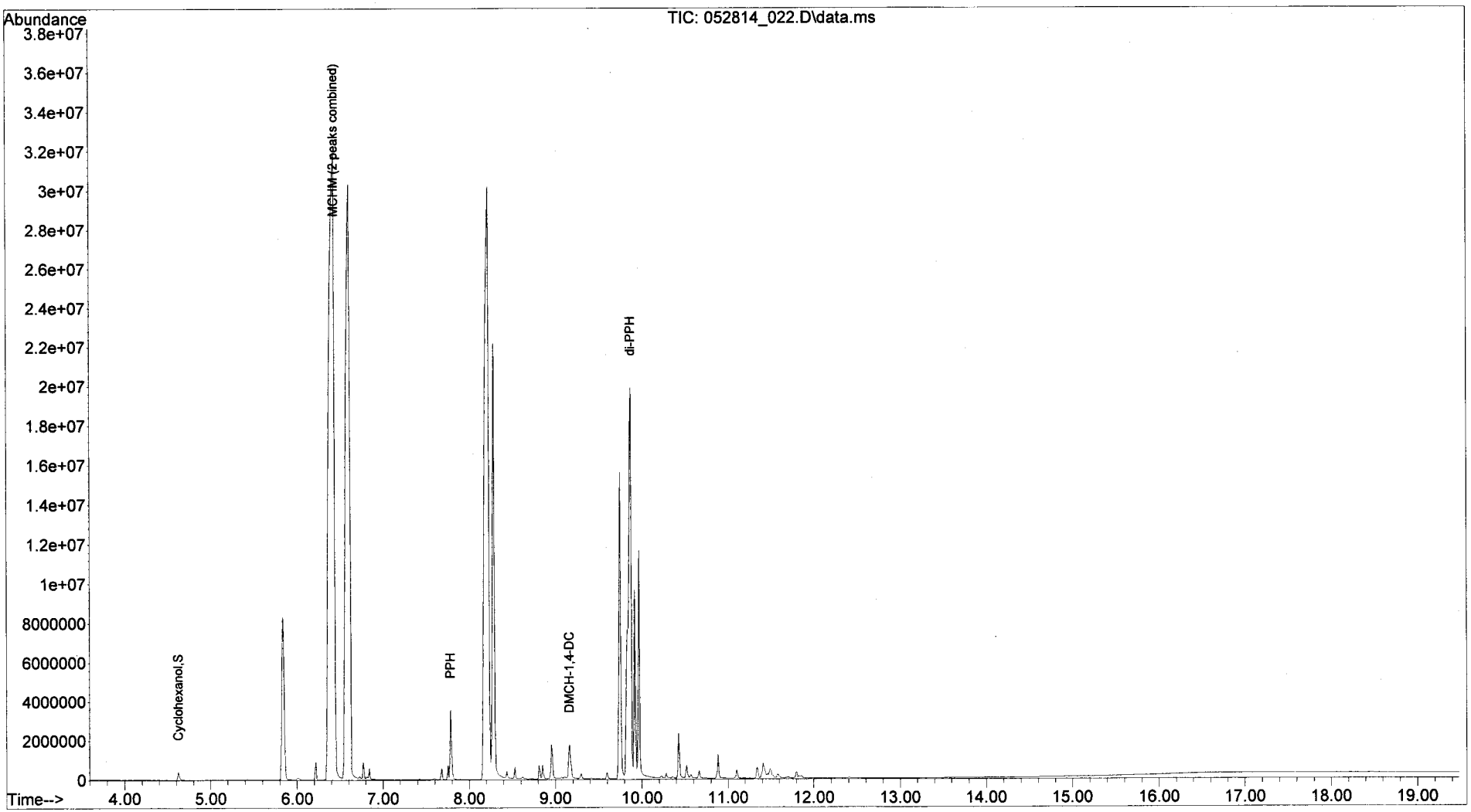
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	137734	42.70 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.437	55	54753965m	13134.09 ug/mL	
3) PPH	7.784	94	1381895	261.77 ug/mL	97
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.162	81	517449	156.52 ug/mL#	88
6) di-PPH	9.877	59	19450223m	8677.80 ug/mL	

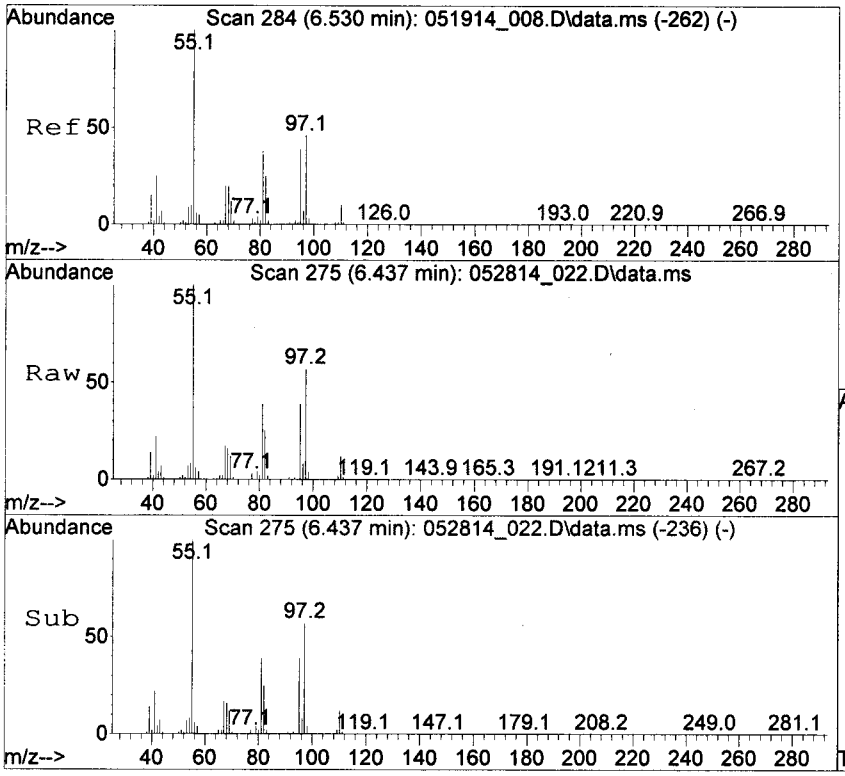
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) \RP1581\
Data File : 052814_022.D
Acq On : 29 May 2014 3:01 am
Operator : (b) (7)
Sample : N405006-08EXT
Misc : Extraction by (b) (7)(C)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 14:07:57 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7)(C) RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

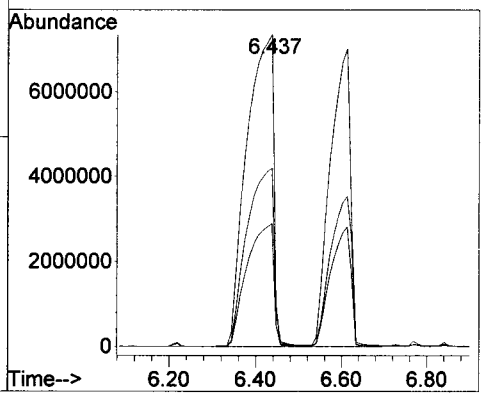


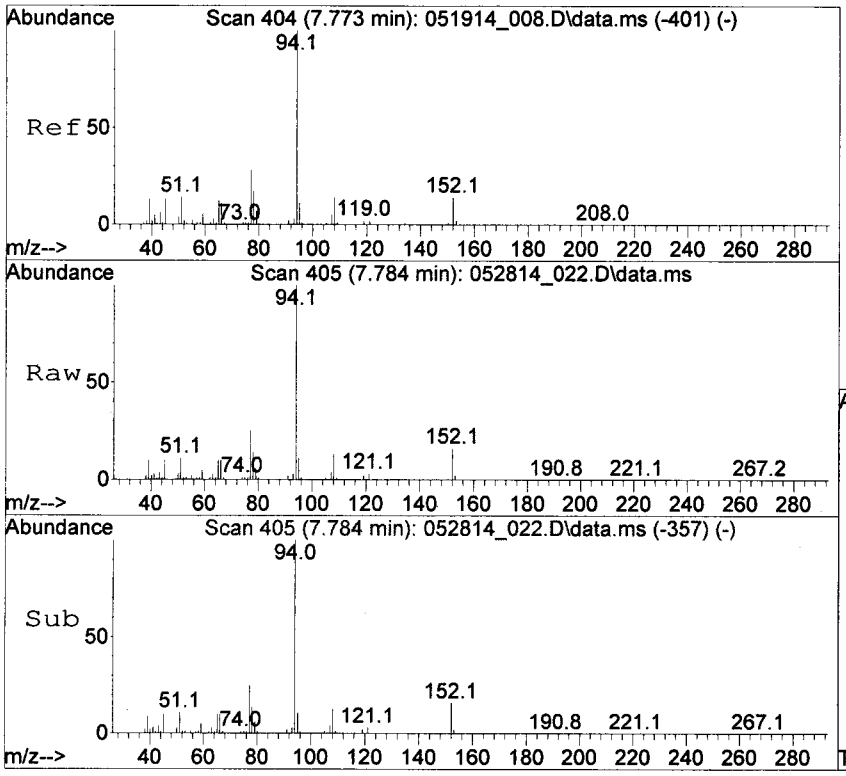


#2
MCHM (2 peaks combined)
Concen: 13134.09 ug/mL m
RT: 6.437 min Scan# 275
Delta R.T. -0.093 min
Lab File: 052814_022.D
Acq: 29 May 2014 3:01 am

Tgt Ion: 55 Resp:54753965

Ion	Ratio	Lower	Upper
55	100		
97	0.1	31.5	47.3#
81	0.1	24.2	36.4#

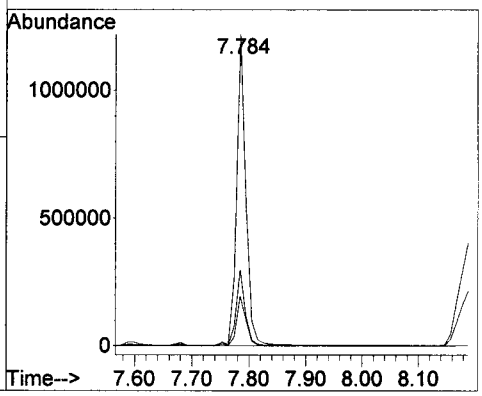


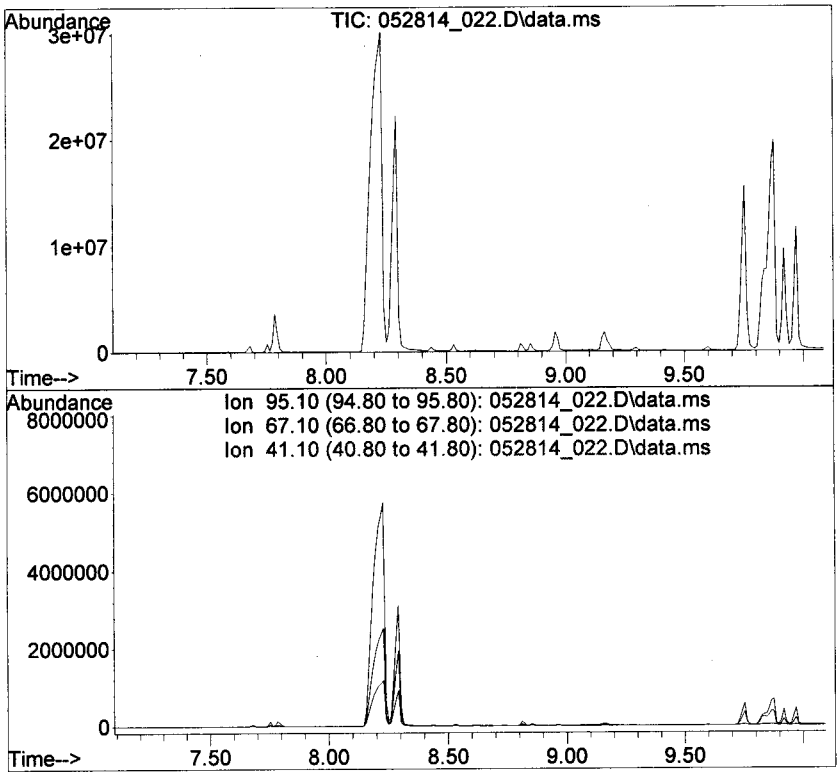


#3
PPH
Concen: 261.77 ug/mL
RT: 7.784 min Scan# 405
Delta R.T. -0.000 min
Lab File: 052814_022.D
Acq: 29 May 2014 3:01 am

Tgt Ion: 94 Resp: 1381895

Ion	Ratio	Lower	Upper
94	100		
77	24.3	19.0	28.4
152	16.4	14.9	22.3



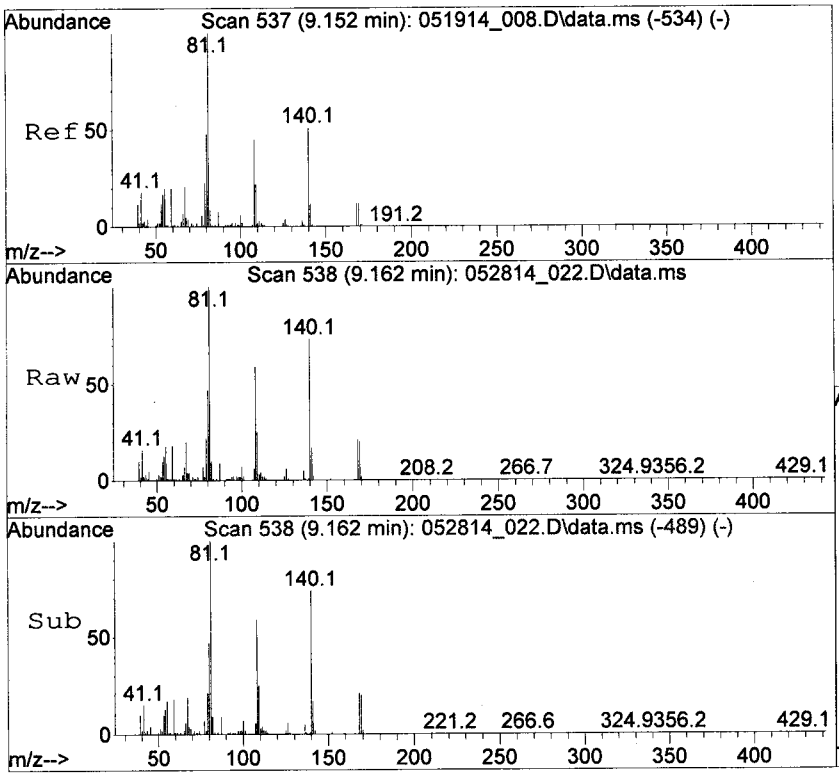


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_022.D
Acq: 29 May 2014 3:01 am

Tgt Ion: 95

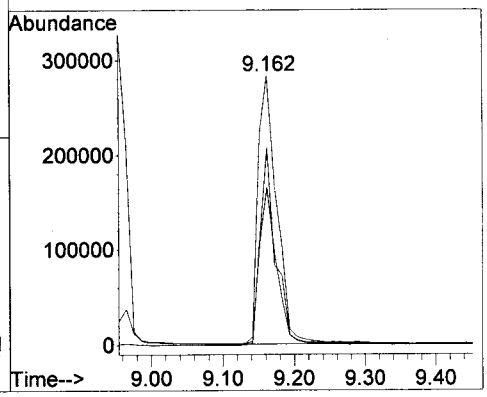
Sig	Exp Ratio
95	100
67	41.4
41	53.2

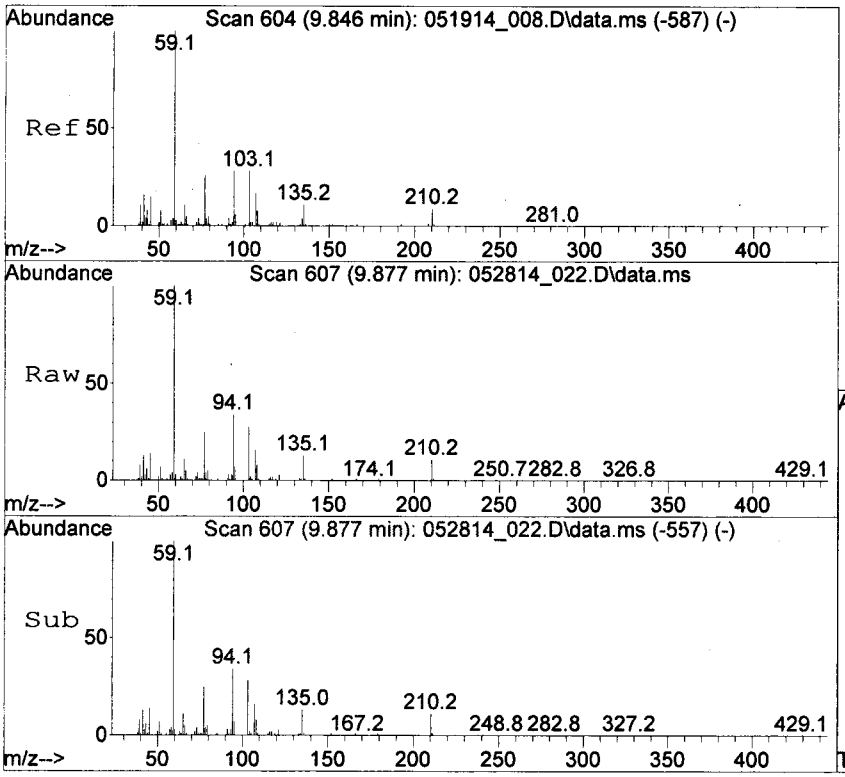


#5
DMCH-1,4-DC
Concen: 156.52 ug/mL
RT: 9.162 min Scan# 538
Delta R.T. 0.010 min
Lab File: 052814_022.D
Acq: 29 May 2014 3:01 am

Tgt Ion: 81 Resp: 517449

Ion	Ratio	Lower	Upper
81	100		
108	52.4	29.0	43.4#
140	61.5	50.9	76.3

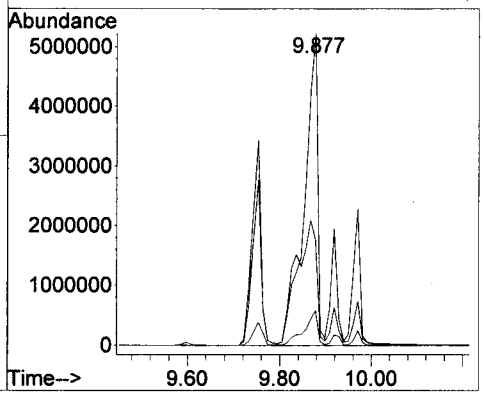




#6
di-PPH
Concen: 8677.80 ug/mL m
RT: 9.877 min Scan# 607
Delta R.T. 0.021 min
Lab File: 052814_022.D
Acq: 29 May 2014 3:01 am

Tgt Ion: 59 Resp:19450223

Ion	Ratio	Lower	Upper
59	100		
94	33.1	24.0	36.0
210	6.0	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C) [redacted] P1581\
Data File : 052814_023.D
Acq On : 29 May 2014 3:31 am
Operator : (b) (7)(C) [redacted]
Sample : N405006-09EXT
Misc : Extraction by (b) (7)(C) [redacted]
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 08 14:08:34 2014
Quant Method : C:\msdchem\1\METHOD\(b) (7)(C) [redacted] RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

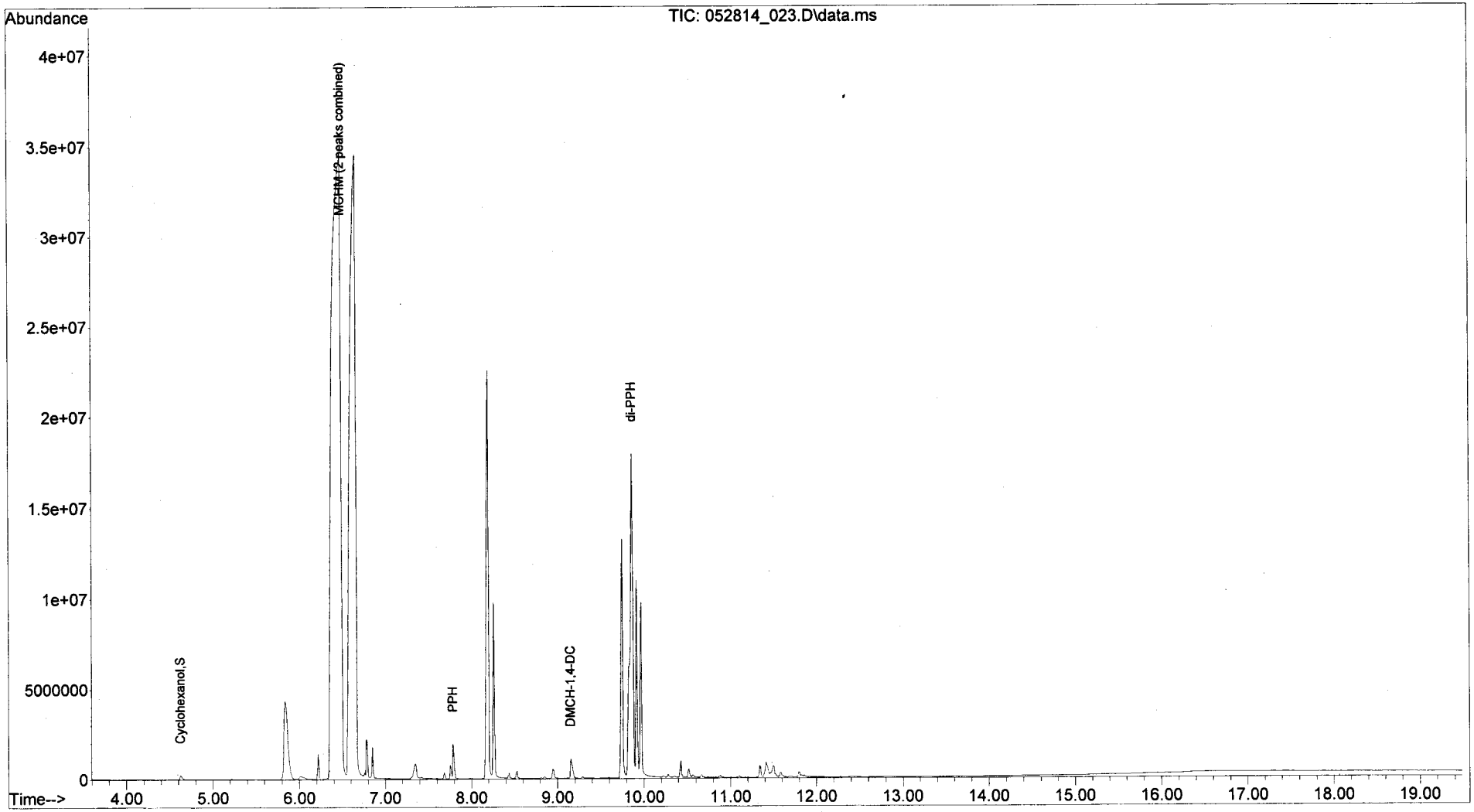
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	4.623	57	98797	30.63 ug/mL	0.01
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.488	55	93689724m	22471.90 ug/mL	
3) PPH	7.784	94	739437	142.01 ug/mL	96
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	9.152	81	330777	101.13 ug/mL#	92
6) di-PPH	9.867	59	17363094m	7746.89 ug/mL	

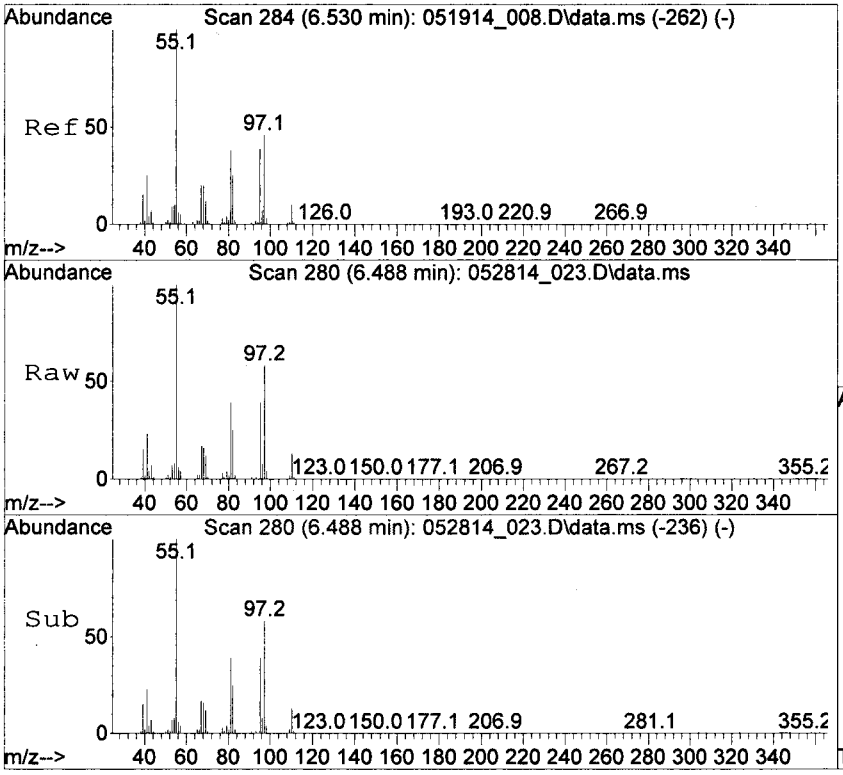
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C)\RP1581\
Data File : 052814_023.D
Acq On : 29 May 2014 3:31 am
Operator : (b) (7)(C)
Sample : N405006-09EXT
Misc : Extraction by (b) (7)(C)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 08 14:08:34 2014
Quant Method : C:\msdchem\1\METHODS\(b) _RP1581_051914.M
Quant Title : Freedom Industies
QLast Update : Wed Aug 06 11:32:39 2014
Response via : Initial Calibration

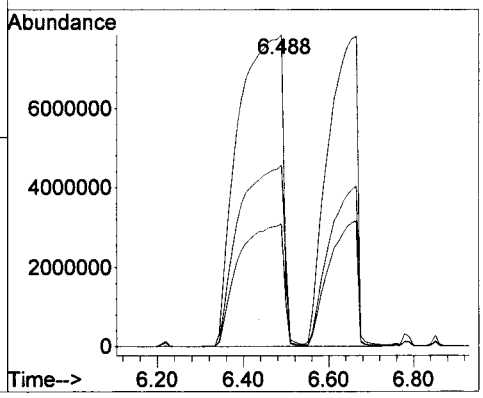


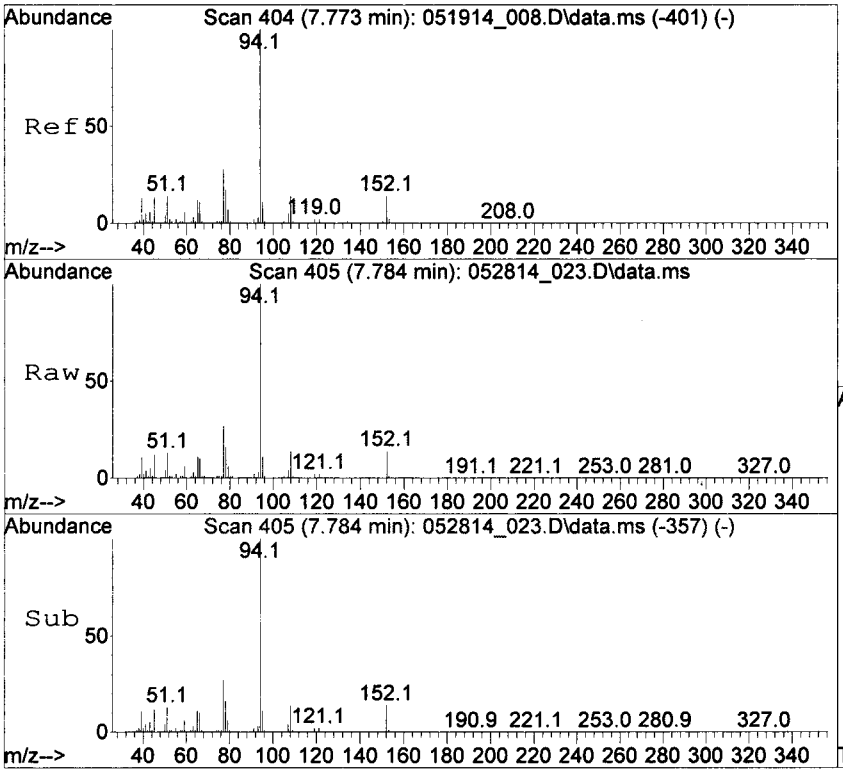


#2
MCHM (2 peaks combined)
Concen: 22471.90 ug/mL m
RT: 6.488 min Scan# 280
Delta R.T. -0.042 min
Lab File: 052814_023.D
Acq: 29 May 2014 3:31 am

Tgt Ion: 55 Resp:93689724

Ion	Ratio	Lower	Upper
55	100		
97	35.0	31.5	47.3
81	23.6	24.2	36.4#

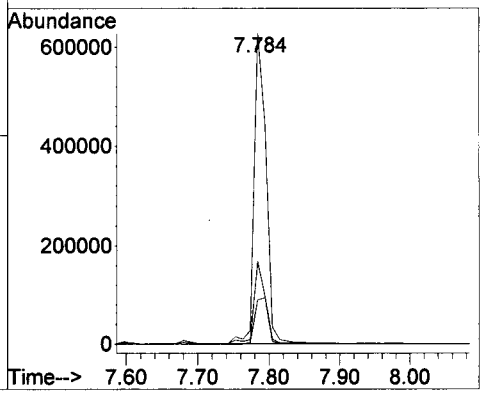


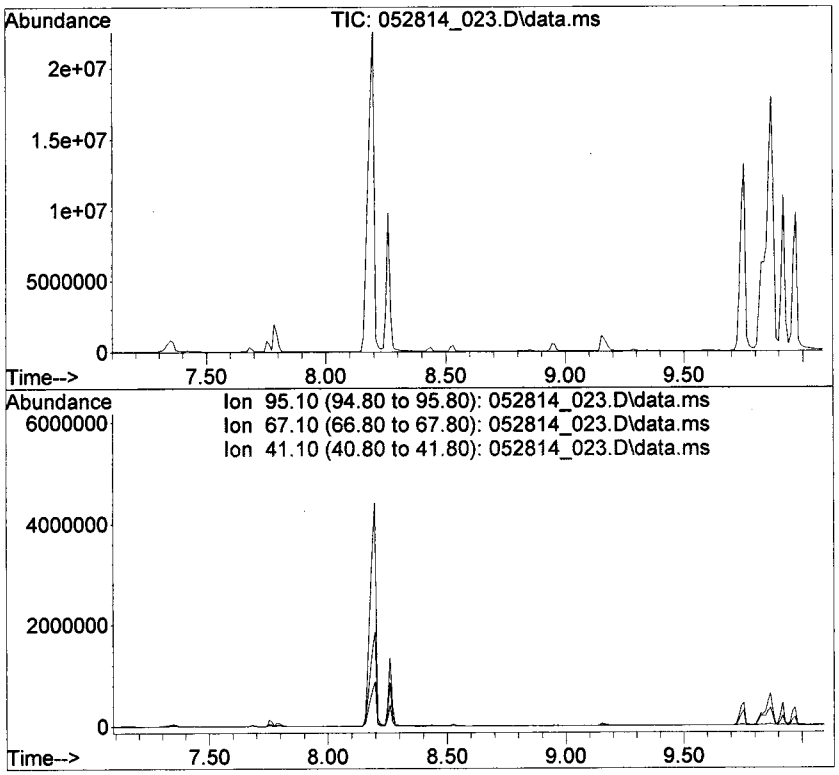


#3
PPH
Concen: 142.01 ug/mL
RT: 7.784 min Scan# 405
Delta R.T. -0.000 min
Lab File: 052814_023.D
Acq: 29 May 2014 3:31 am

Tgt Ion: 94 Resp: 739437

Ion	Ratio	Lower	Upper
94	100		
77	25.5	19.0	28.4
152	16.7	14.9	22.3



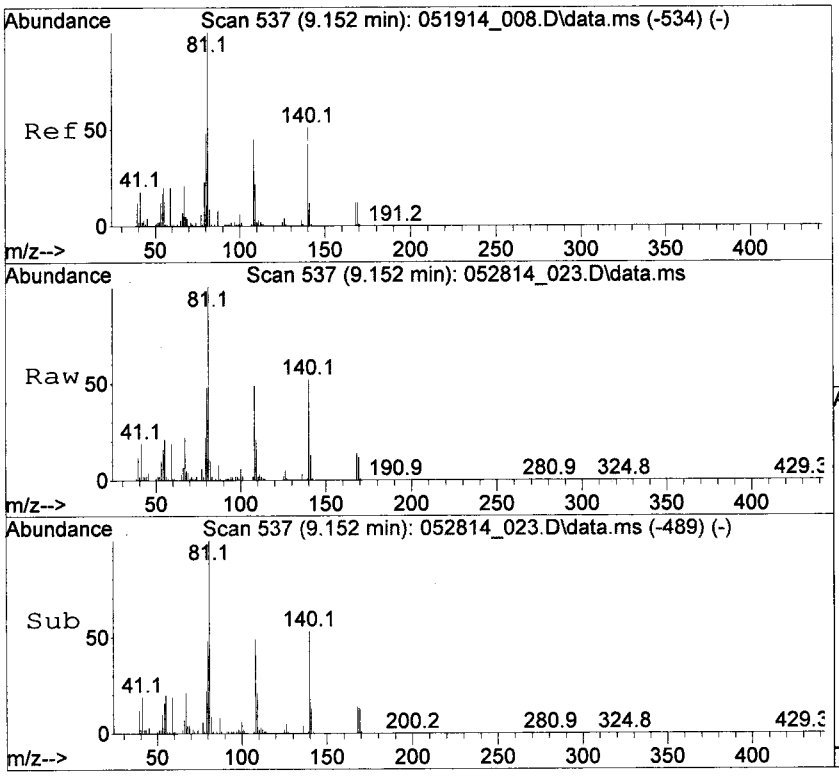


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 052814_023.D
Acq: 29 May 2014 3:31 am

Tgt Ion: 95

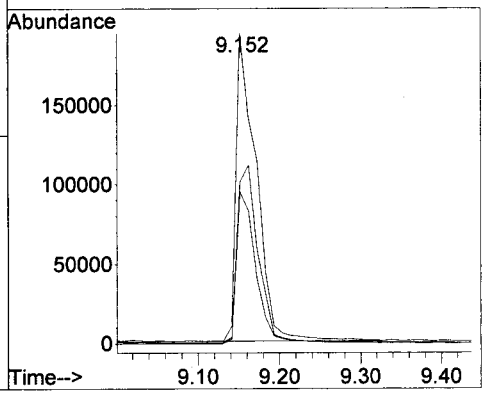
Sig	Exp Ratio
95	100
67	41.4
41	53.2

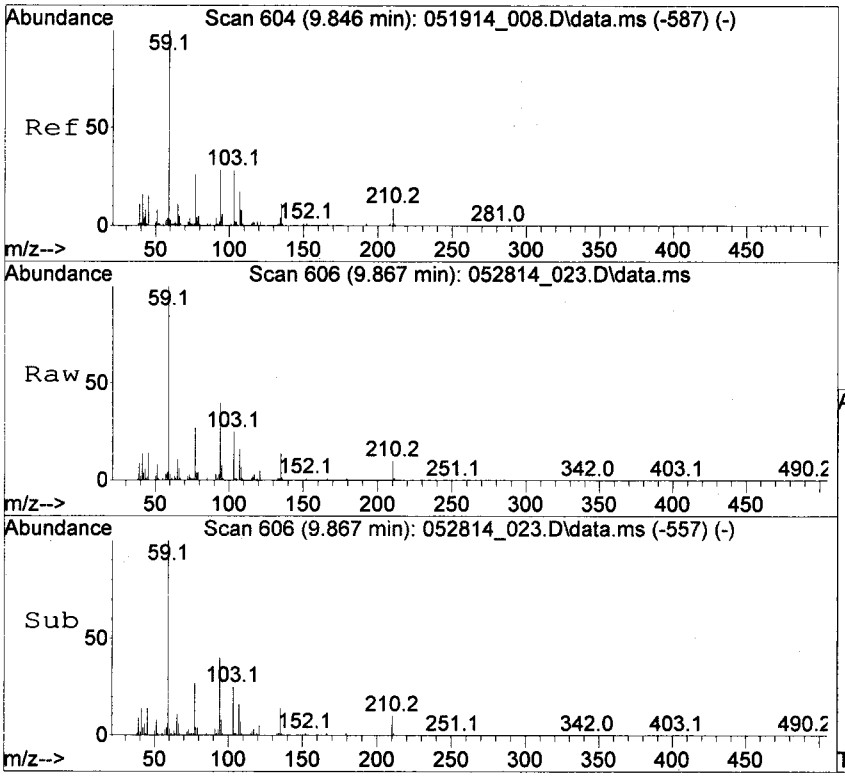


#5
DMCH-1,4-DC
Concen: 101.13 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 052814_023.D
Acq: 29 May 2014 3:31 am

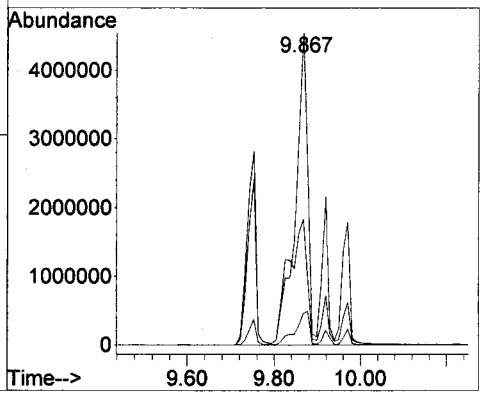
Tgt Ion: 81 Resp: 330777

Ion	Ratio	Lower	Upper
81	100		
108	48.0	29.0	43.4#
140	62.1	50.9	76.3





#6
di-PPH
Concen: 7746.89 ug/mL m
RT: 9.867 min Scan# 606
Delta R.T. 0.011 min
Lab File: 052814_023.D
Acq: 29 May 2014 3:31 am

Tgt Ion: 59 Resp:17363094

Ion	Ratio	Lower	Upper
59	100		
94	31.7	24.0	36.0
210	6.4	7.2	10.8#