Sequence Name: C:\msdchem\1\sequence\072914_new.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	On A Barcode Mismatch
(X) Full Method	(X) Inject Anyway
( ) Reprocessing Only	( ) Don't Inject

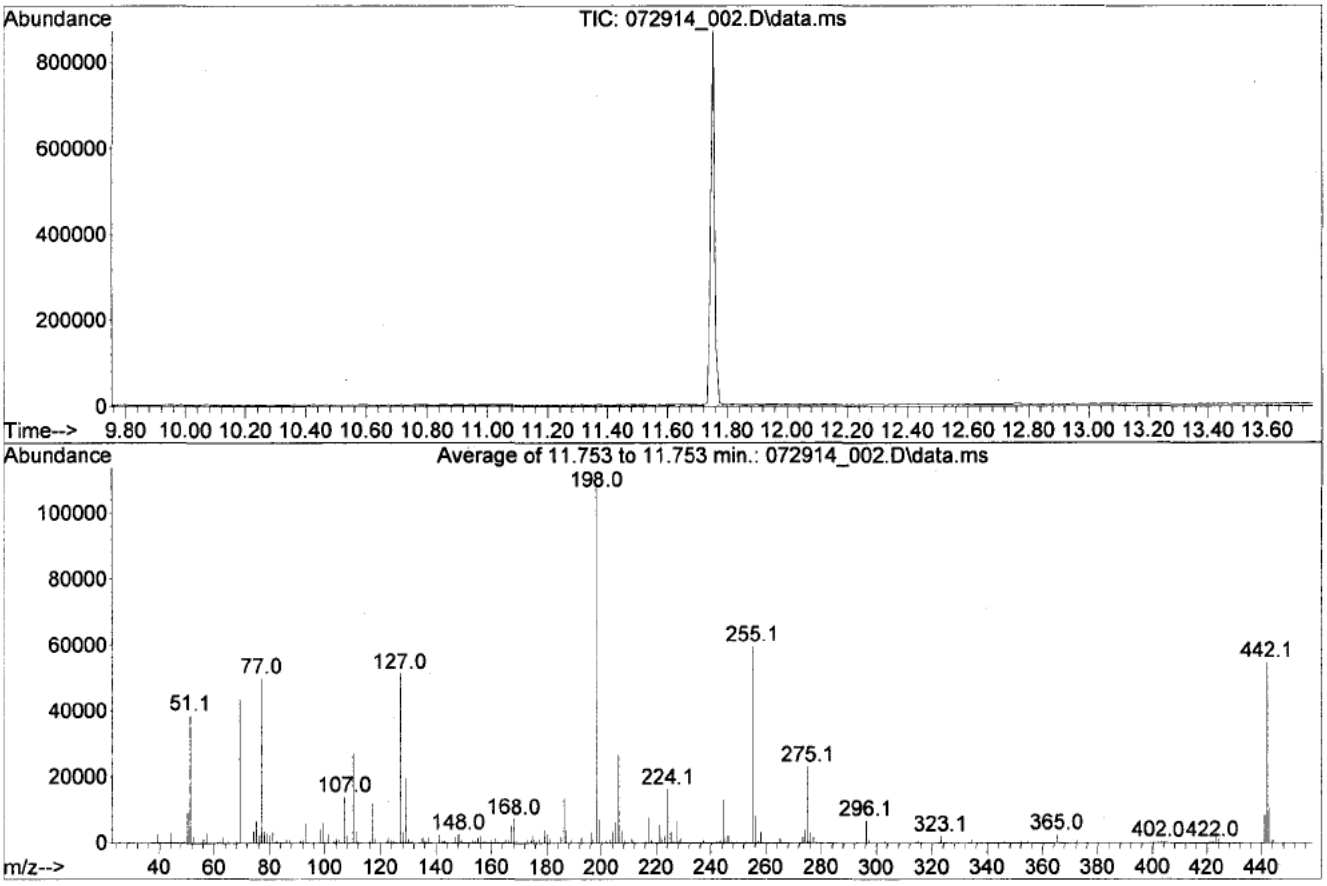
Line		Sample Name/Misc Info
1) Sample	1	Blank
Datafile		072914_001
Method		[redacted]_RP1581_2
2) Sample	2	DFTPP
Datafile		072914_002
Method		[redacted]_RP1581_2
3) Sample	3	CCV1
Datafile		072914_003
Method		[redacted]_RP1581_2
4) Sample	4	CCV2
Datafile		072914_004
Method		[redacted]_RP1581_2
5) Sample	5	N405006-02A
Datafile		072914_005
Method		[redacted]_RP1581_2
6) Sample	6	N405006-02B
Datafile		072914_006
Method		[redacted]_RP1581_2
7) Sample	7	N405006-02C
Datafile		072914_007
Method		[redacted]_RP1581_2
8) Sample	8	N405006-02D
Datafile		072914_008
Method		[redacted]_RP1581_2
9) Sample	9	N405006-02MS
Datafile		072914_009
Method		[redacted]_RP1581_2
10) Sample	10	N405006-10
Datafile		072914_010
Method		[redacted]_RP1581_2
11) Sample	11	N405006-12
Datafile		072914_011
Method		[redacted]_RP1581_2
12) Sample	12	N405006-08
Datafile		072914_012
Method		[redacted]_RP1581_2
13) Sample	13	N405006-09
Datafile		072914_013
Method		[redacted]_RP1581_2

DFTPP

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_002.D
Acq On : 29 Jul 2014 10:38 am
Operator : [redacted]
Sample : DFTPP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS[redacted]_RP1581_2.M
Title : Freedom Industies
Last Update : Thu Jul 24 08:32:22 2014



Spectrum Information: Average of 11.753 to 11.753 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.6	38544	PASS
68	69	0.00	2	1.5	637	PASS
69	198	0.00	100	40.0	43312	PASS
70	69	0.00	2	0.3	121	PASS
127	198	40	60	47.4	51368	PASS
197	198	0.00	1	0.9	974	PASS
198	198	100	100	100.0	108408	PASS
199	198	5	9	6.4	6936	PASS
275	198	10	30	21.3	23048	PASS
365	198	1	100	2.3	2538	PASS
441	443	0.01	100	80.7	8403	PASS
442	198	40	100	50.4	54680	PASS
443	442	17	23	19.0	10410	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C), RP1581\
Data File : 072914_001.D
Acq On : 29 Jul 2014 10:09 am
Operator : (b) (7)
Sample : Blank
Misc : MeCl2
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 15:33:56 2014
Quant Method : C:\msdchem\1\METHODS(b) (7) C) (b) _RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

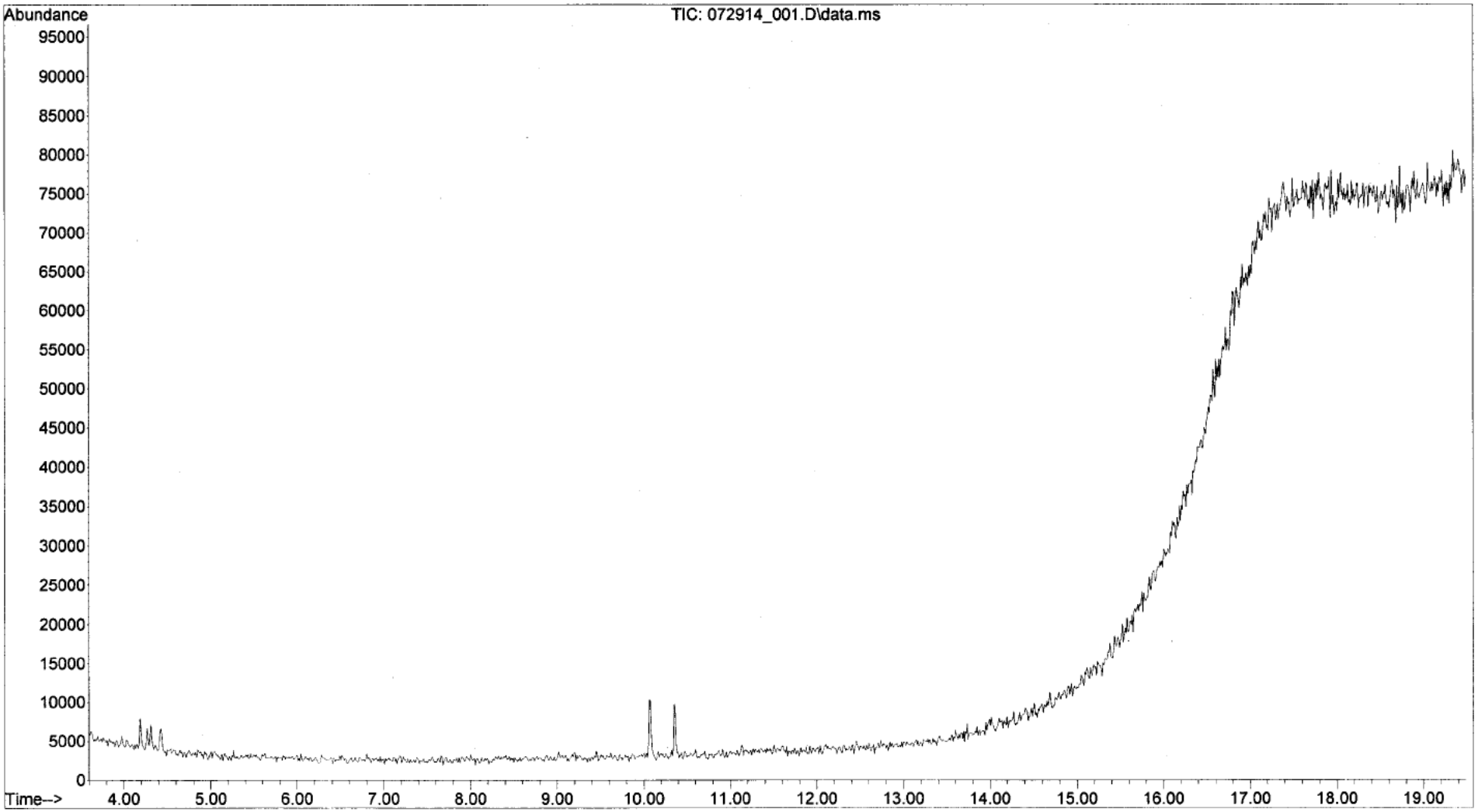
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	0.000		0	N.D.	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_001.D
Acq On : 29 Jul 2014 10:09 am
Operator : [redacted]
Sample : Blank
Misc : MeCl2
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 15:33:56 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_002.D
Acq On : 29 Jul 2014 10:38 am
Operator : [redacted]
Sample : DFTPP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 15:34:14 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

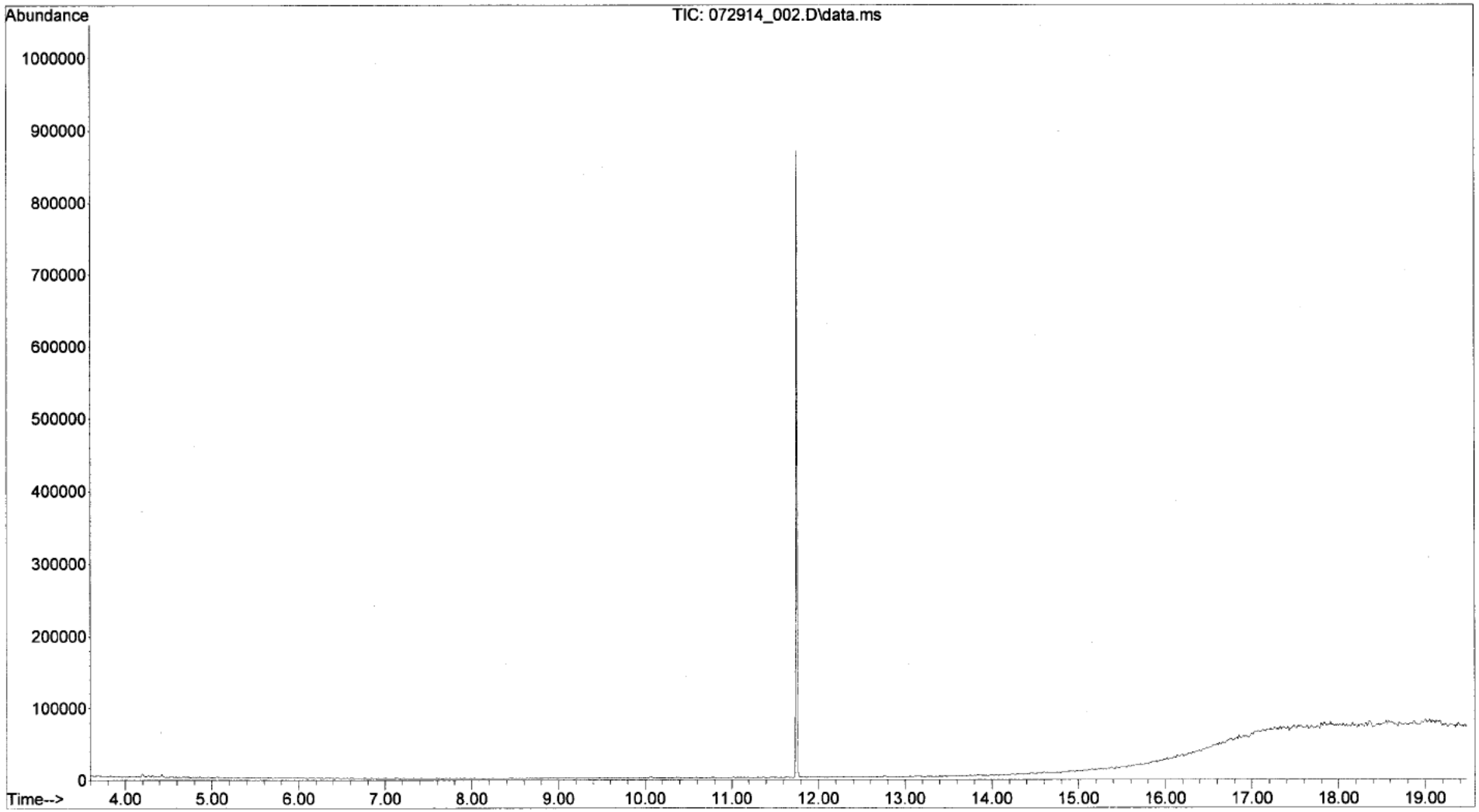
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	0.000		0	N.D.	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_002.D
Acq On : 29 Jul 2014 10:38 am
Operator : [redacted]
Sample : DFTPP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 15:34:14 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_003.D
Acq On : 29 Jul 2014 11:07 am
Operator : [redacted]
Sample : CCV1
Misc : 200 ug/mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 15:34:56 2014
Quant Method : C:\msdchem\1\METHODS[redacted]RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

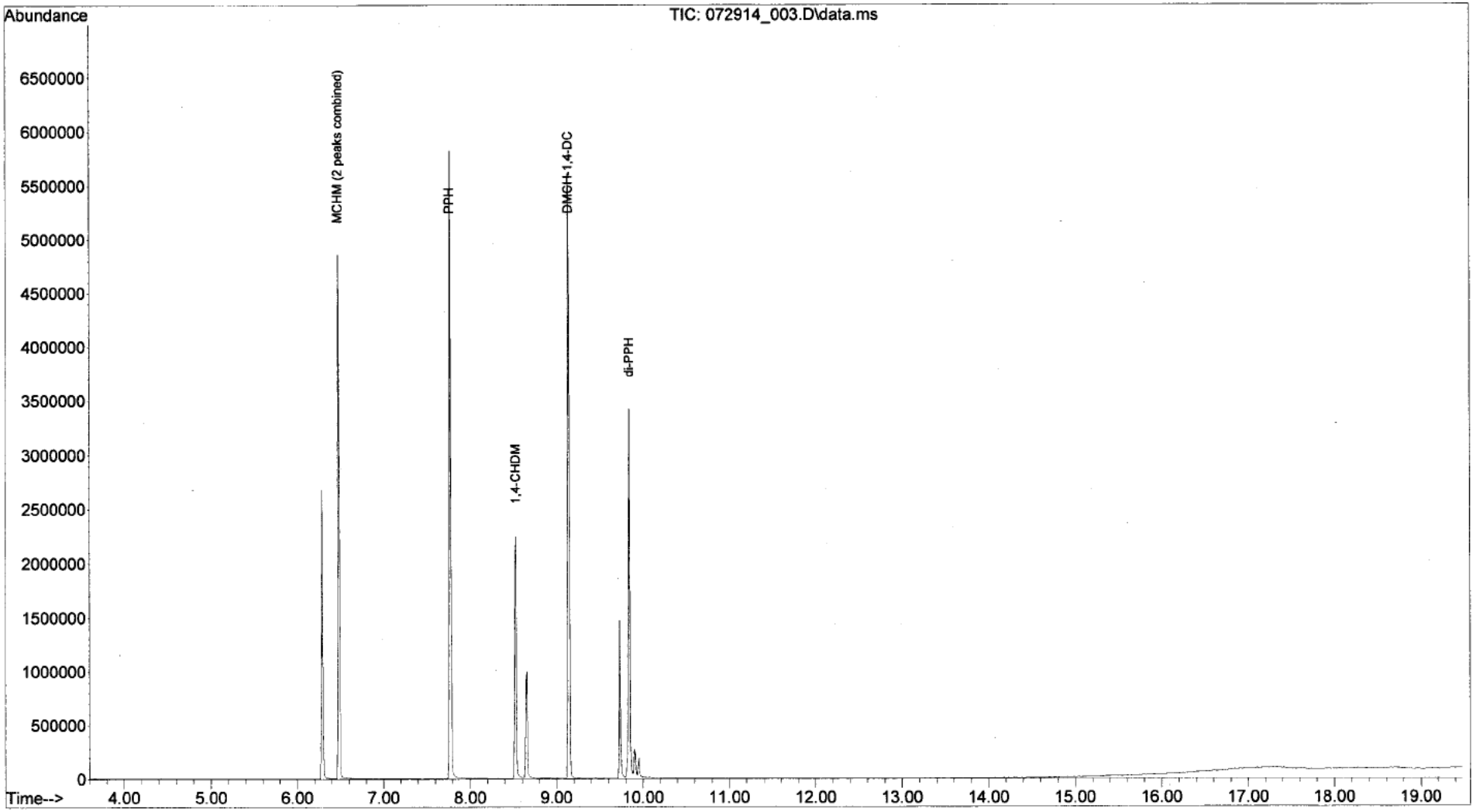
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.478	55	1992243m	167.84 ug/mL	
3) PPH	7.773	94	2315561	158.96 ug/mL	98
4) 1,4-CHDM	8.530	95	1136041m	147.70 ug/mL	
5) DMCH-1,4-DC	9.141	81	1257567	157.18 ug/mL#	93
6) di-PPH	9.846	59	1606925m	147.83 ug/mL	

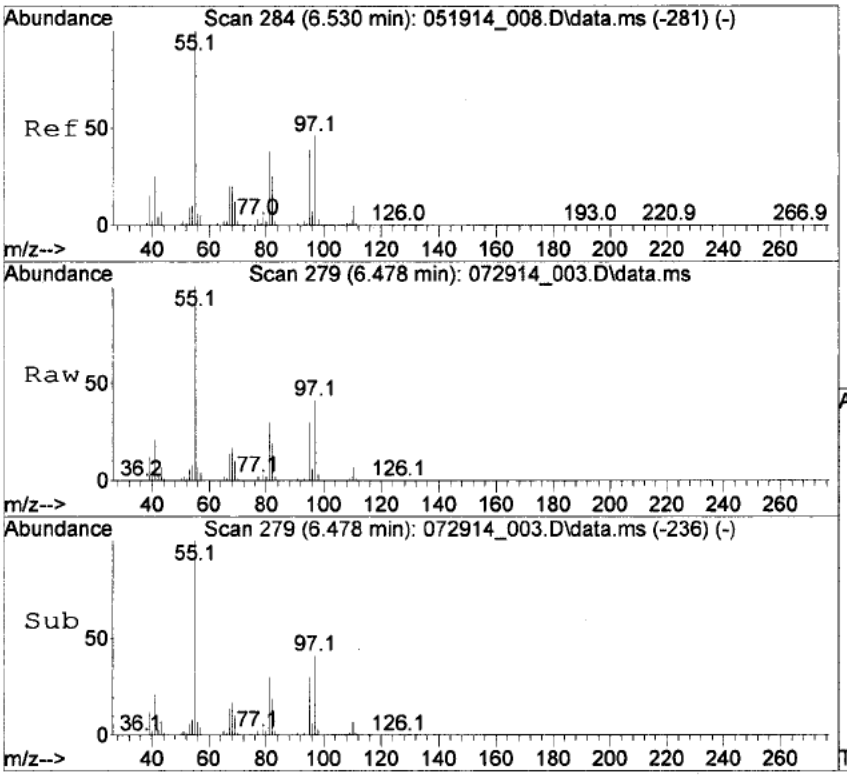
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_003.D
Acq On : 29 Jul 2014 11:07 am
Operator : [redacted]
Sample : CCV1
Misc : 200 ug/mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 15:34:56 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

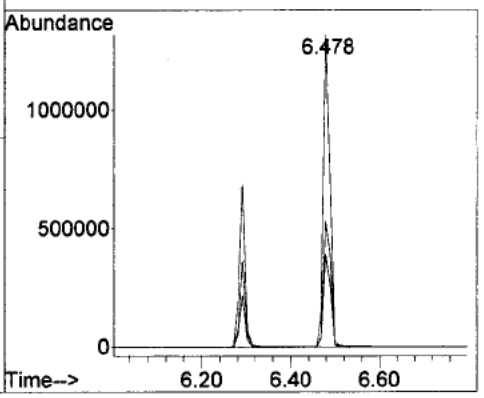


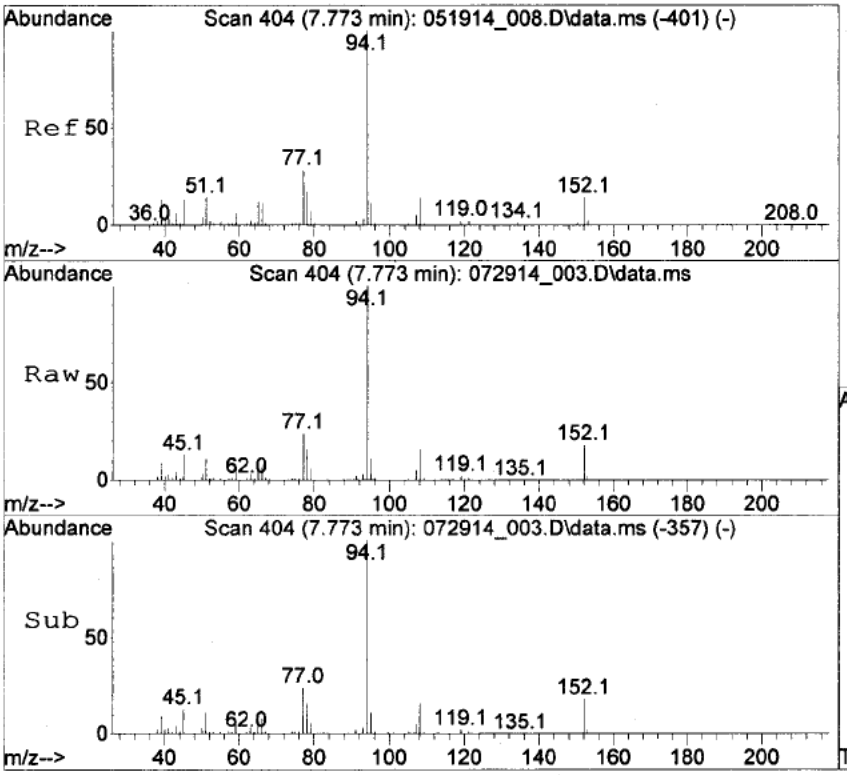


#2
MCHM (2 peaks combined)
Concen: 167.84 ug/mL m
RT: 6.478 min Scan# 279
Delta R.T. -0.052 min
Lab File: 072914_003.D
Acq: 29 Jul 2014 11:07 am

Tgt Ion: 55 Resp: 1992243

Ion	Ratio	Lower	Upper
55	100		
97	30.8	31.5	47.3#
81	22.2	24.2	36.4#

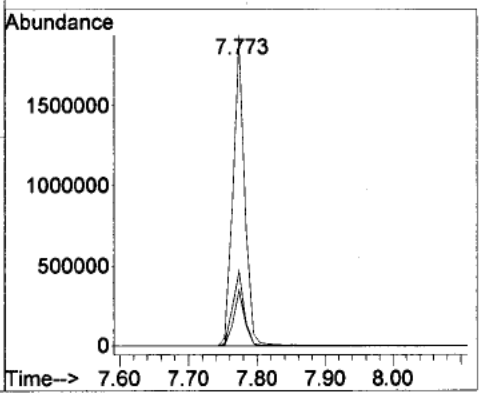


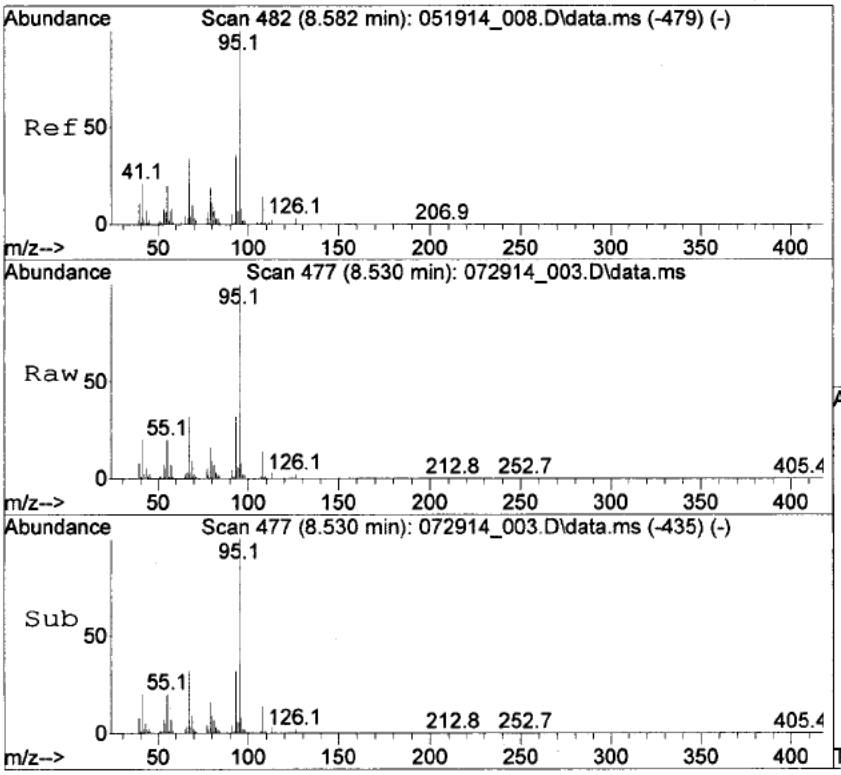


#3
PPH
Concen: 158.96 ug/mL
RT: 7.773 min Scan# 404
Delta R.T. -0.011 min
Lab File: 072914_003.D
Acq: 29 Jul 2014 11:07 am

Tgt Ion: 94 Resp: 2315561

Ion	Ratio	Lower	Upper
94	100		
77	24.1	19.0	28.4
152	17.2	14.9	22.3

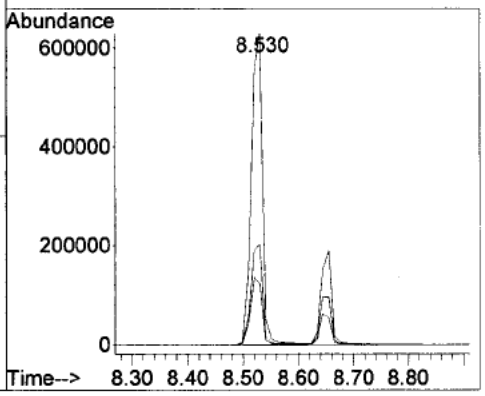


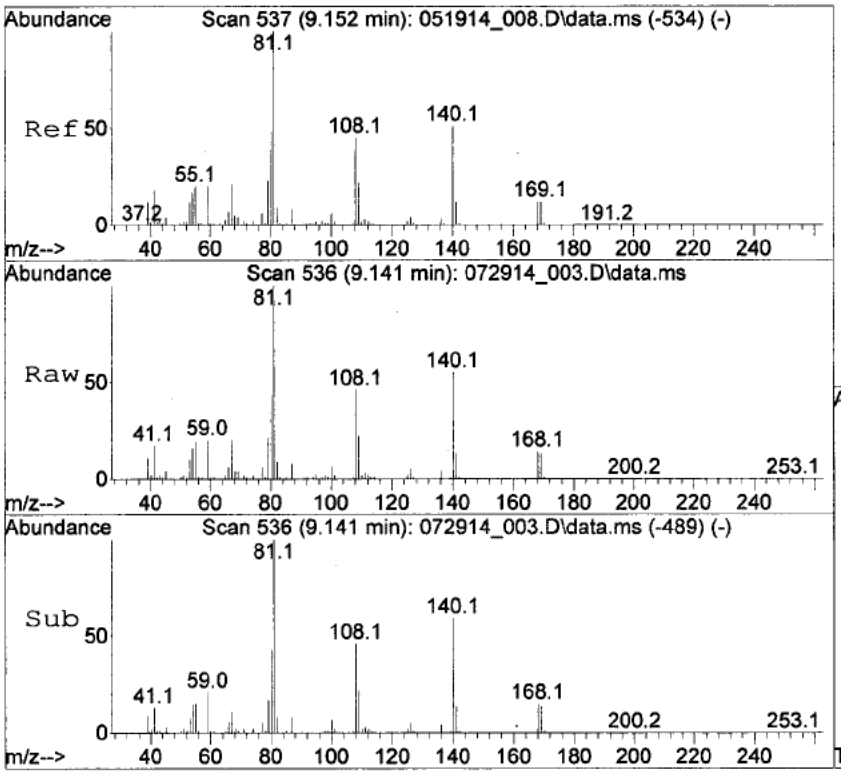


#4
1,4-CHDM
Concen: 147.70 ug/mL m
RT: 8.530 min Scan# 477
Delta R.T. -0.062 min
Lab File: 072914_003.D
Acq: 29 Jul 2014 11:07 am

Tgt Ion: 95 Resp: 1136041

Ion	Ratio	Lower	Upper
95	100		
67	12.3	33.1	49.7#
41	7.6	42.6	63.8#

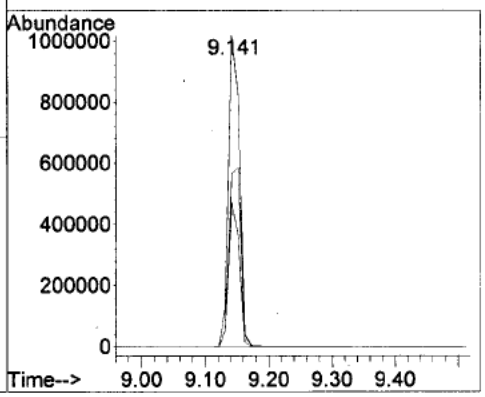


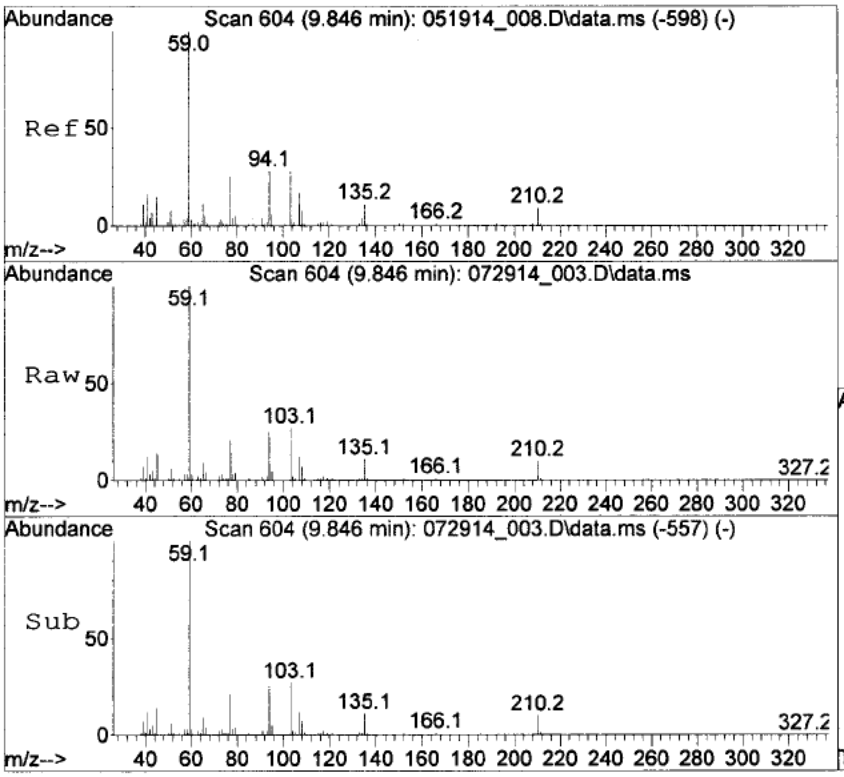


#5
DMCH-1,4-DC
Concen: 157.18 ug/mL
RT: 9.141 min Scan# 536
Delta R.T. -0.011 min
Lab File: 072914_003.D
Acq: 29 Jul 2014 11:07 am

Tgt Ion: 81 Resp: 1257567

Ion	Ratio	Lower	Upper
81	100		
108	44.7	29.0	43.4#
140	61.9	50.9	76.3

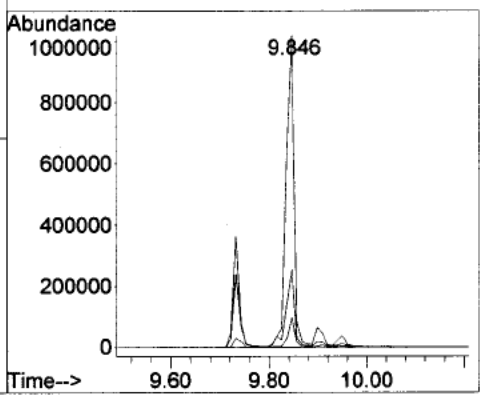




#6
di-PPH
Concen: 147.83 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 072914_003.D
Acq: 29 Jul 2014 11:07 am

Tgt Ion: 59 Resp: 1606925

Ion	Ratio	Lower	Upper
59	100		
94	18.9	24.0	36.0#
210	5.9	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_004.D
Acq On : 29 Jul 2014 11:37 am
Operator : [redacted]
Sample : CCV2
Misc : 200 ug/mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 15:36:11 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

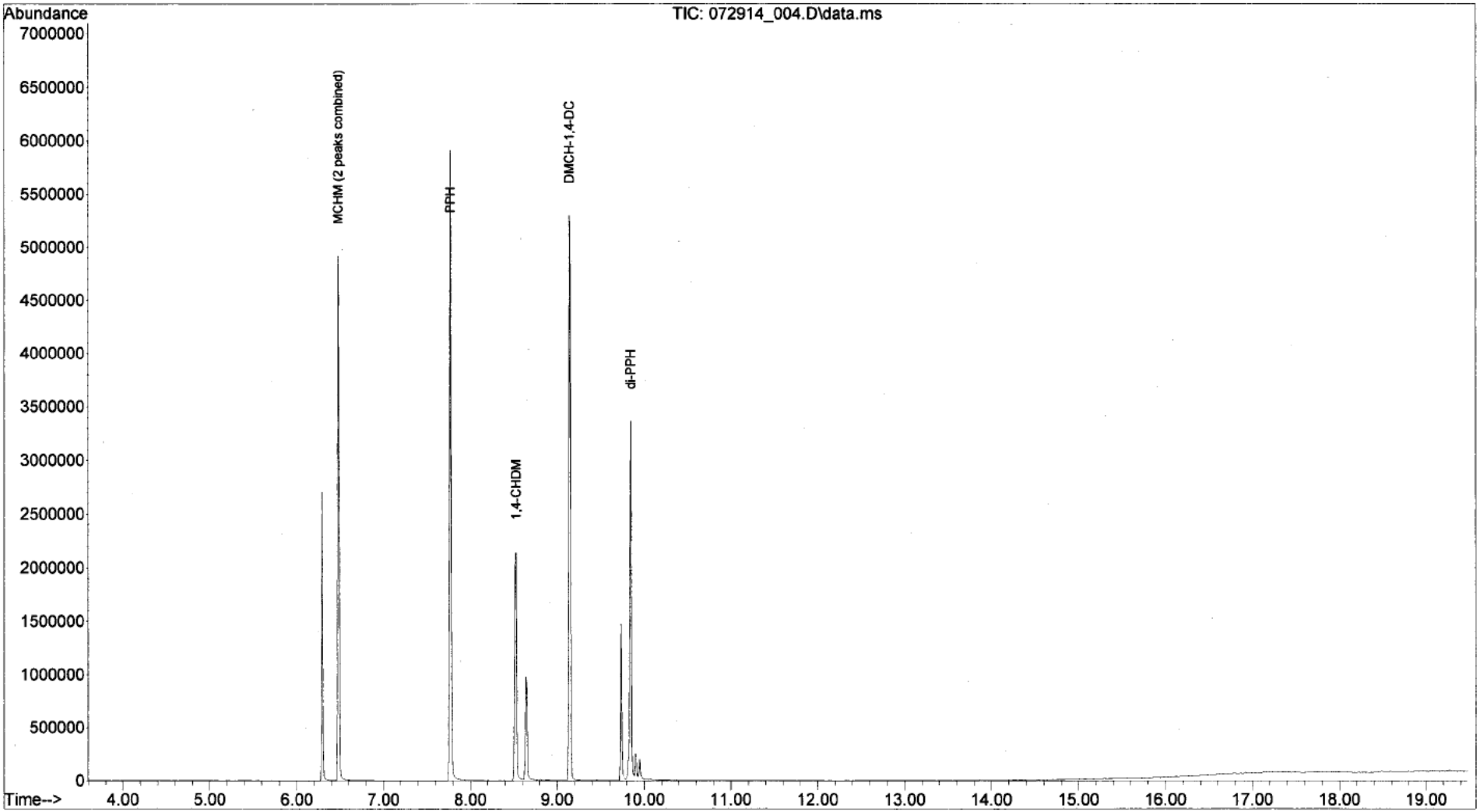
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.478	55	2006675m	168.95 ug/mL	
3) PPH	7.774	94	2341127	160.52 ug/mL	98
4) 1,4-CHDM	8.530	95	1123071m	146.38 ug/mL	
5) DMCH-1,4-DC	9.141	81	1248355	156.11 ug/mL#	93
6) di-PPH	9.846	59	1618932m	148.69 ug/mL	

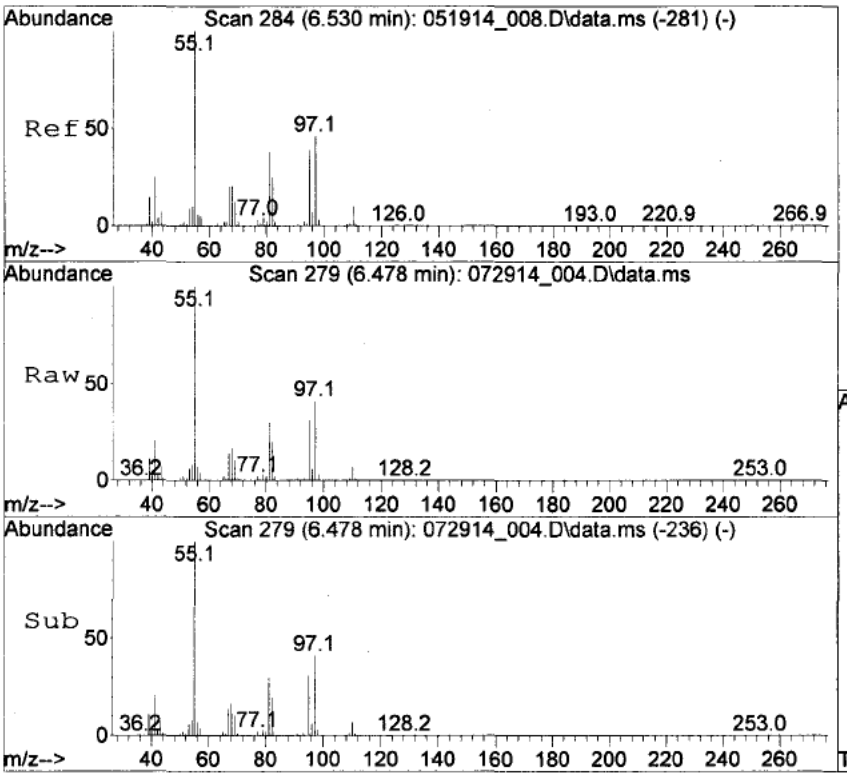
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_004.D
Acq On : 29 Jul 2014 11:37 am
Operator : [redacted]
Sample : CCV2
Misc : 200 ug/mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 15:36:11 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

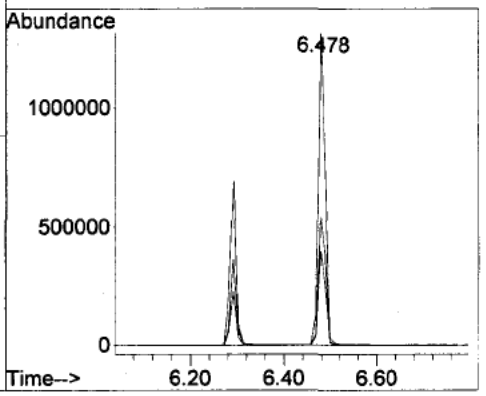


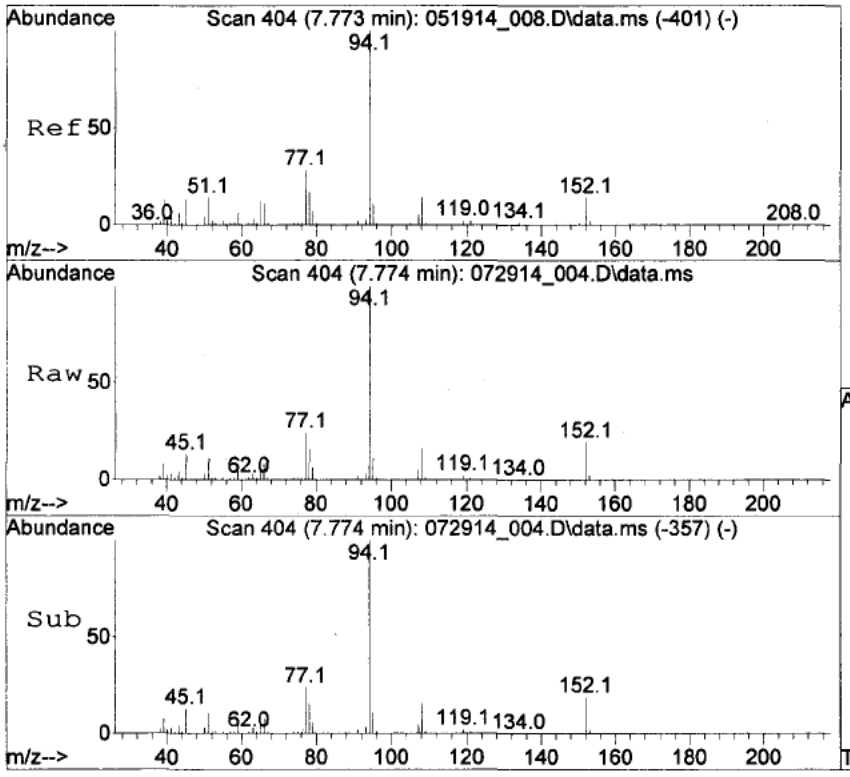


#2
MCHM (2 peaks combined)
Concen: 168.95 ug/mL m
RT: 6.478 min Scan# 279
Delta R.T. -0.052 min
Lab File: 072914_004.D
Acq: 29 Jul 2014 11:37 am

Tgt Ion: 55 Resp: 2006675

Ion	Ratio	Lower	Upper
55	100		
97	31.0	31.5	47.3#
81	22.1	24.2	36.4#

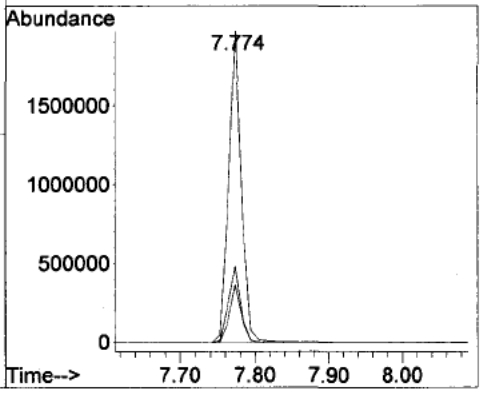


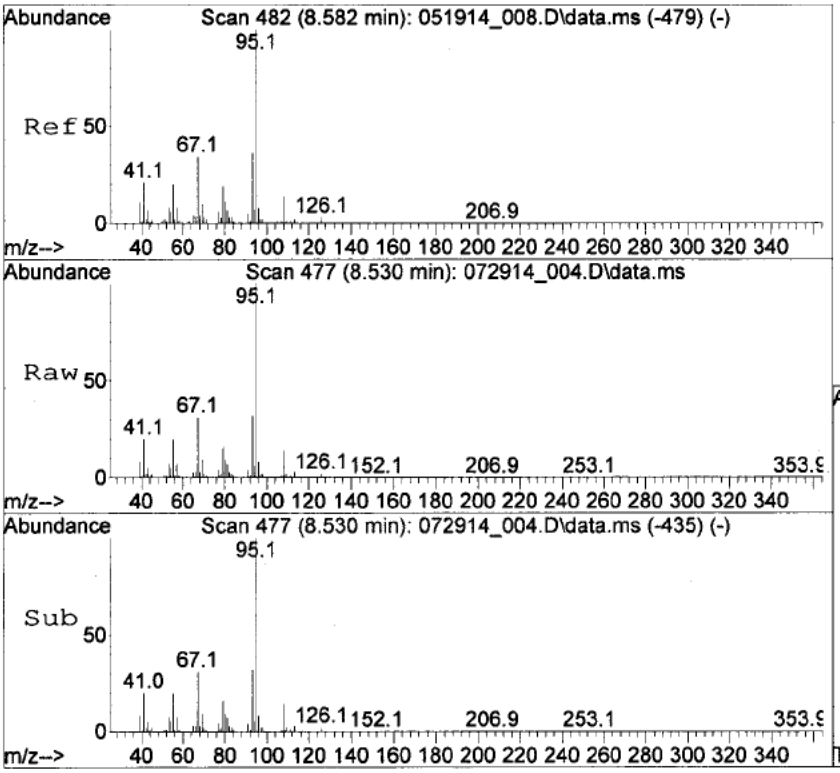


#3
PPH
Concen: 160.52 ug/mL
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 072914_004.D
Acq: 29 Jul 2014 11:37 am

Tgt Ion: 94 Resp: 2341127

Ion	Ratio	Lower	Upper
94	100		
77	24.0	19.0	28.4
152	17.4	14.9	22.3

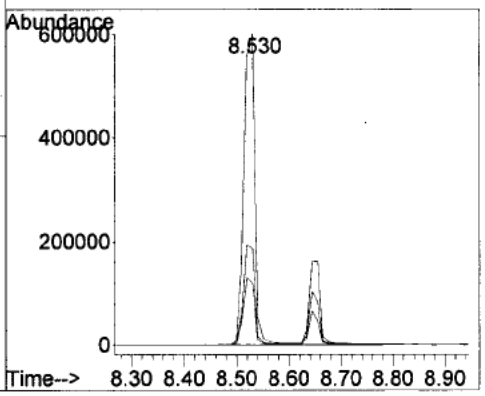


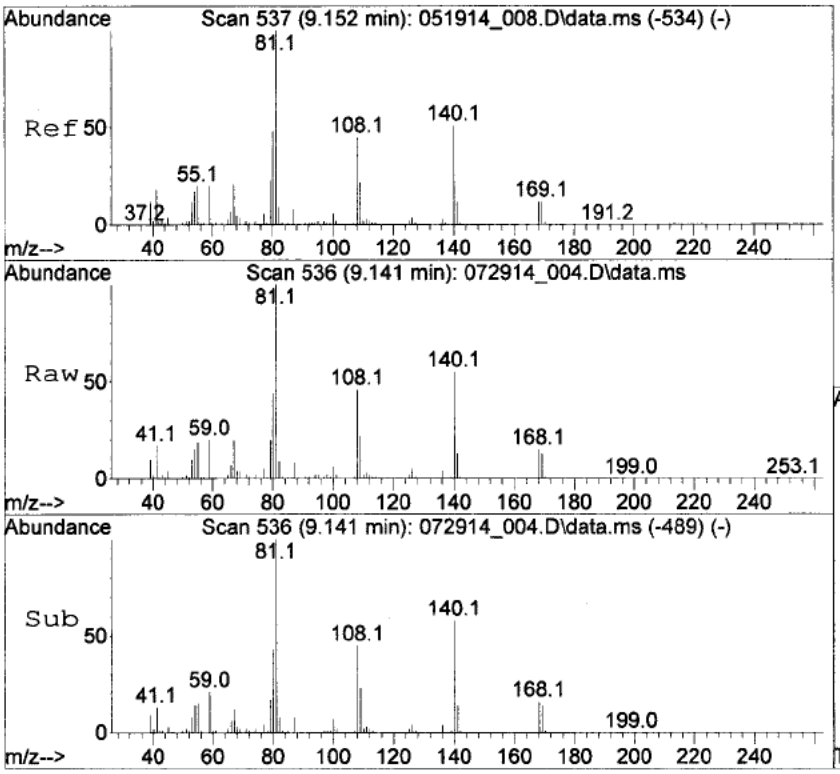


#4
1,4-CHDM
Concen: 146.38 ug/mL m
RT: 8.530 min Scan# 477
Delta R.T. -0.062 min
Lab File: 072914_004.D
Acq: 29 Jul 2014 11:37 am

Tgt Ion: 95 Resp: 1123071

Ion	Ratio	Lower	Upper
95	100		
67	12.2	33.1	49.7#
41	7.3	42.6	63.8#

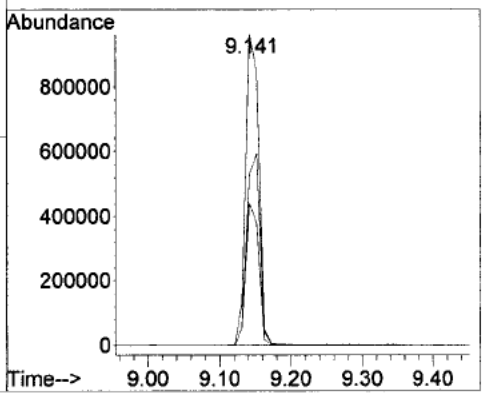


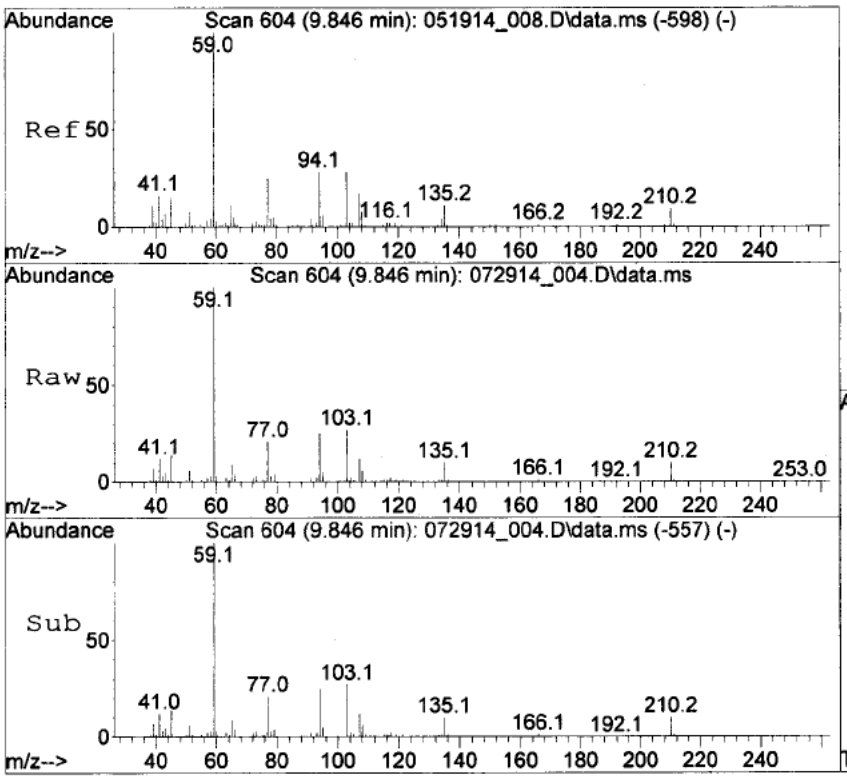


#5
DMCH-1,4-DC
Concen: 156.11 ug/mL
RT: 9.141 min Scan# 536
Delta R.T. -0.011 min
Lab File: 072914_004.D
Acq: 29 Jul 2014 11:37 am

Tgt Ion: 81 Resp: 1248355

Ion	Ratio	Lower	Upper
81	100		
108	44.8	29.0	43.4#
140	61.4	50.9	76.3

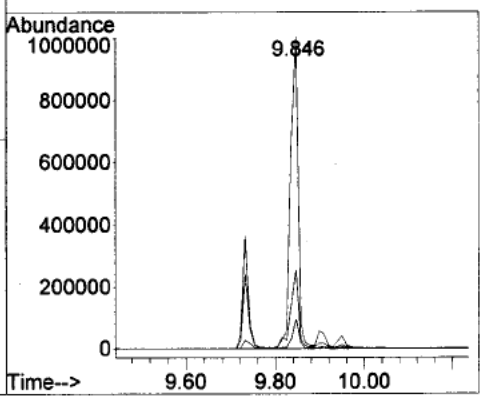




#6
di-PPH
Concen: 148.69 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 072914_004.D
Acq: 29 Jul 2014 11:37 am

Tgt Ion: 59 Resp: 1618932

Ion	Ratio	Lower	Upper
59	100		
94	19.6	24.0	36.0#
210	5.8	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_005.D (b) 6)
Acq On : 29 Jul 2014 12:06 pm
Operator : [redacted]
Sample : M405006-02A
Misc : 5uL in 995uL MeCl2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 15:38:04 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries (C) (b)
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

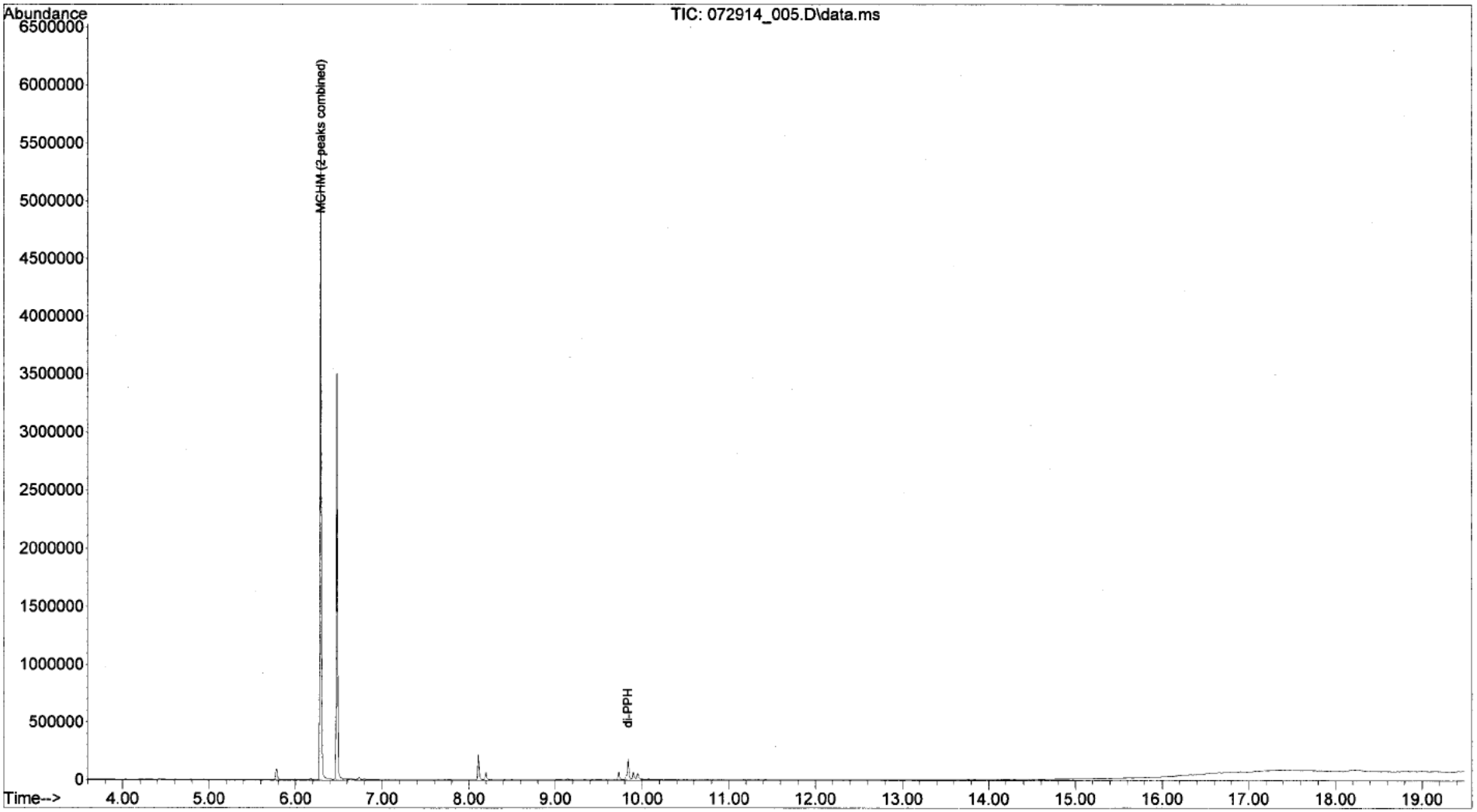
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.292	55	2015953m	169.65 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	107285m	40.03 ug/mL	

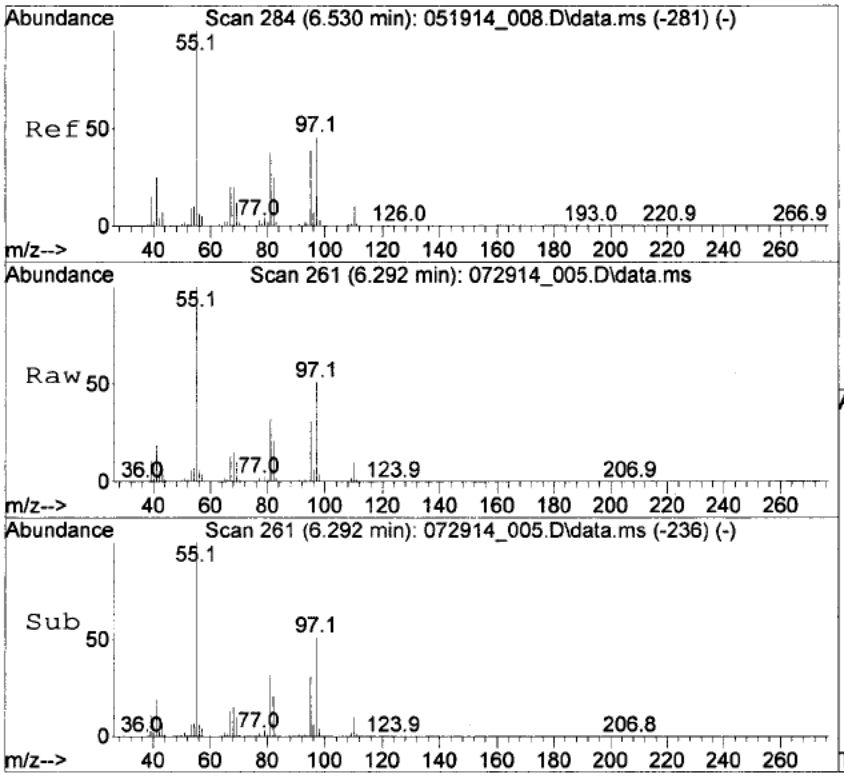
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_005.D
Acq On : 29 Jul 2014 12:06 pm
Operator : [redacted]
Sample : M405006-02A
Misc : 5uL in 995uL MeCl2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 15:38:04 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

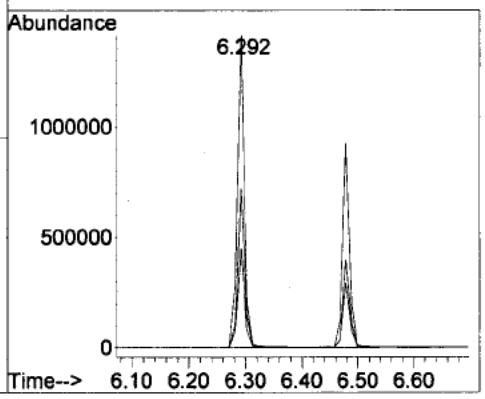


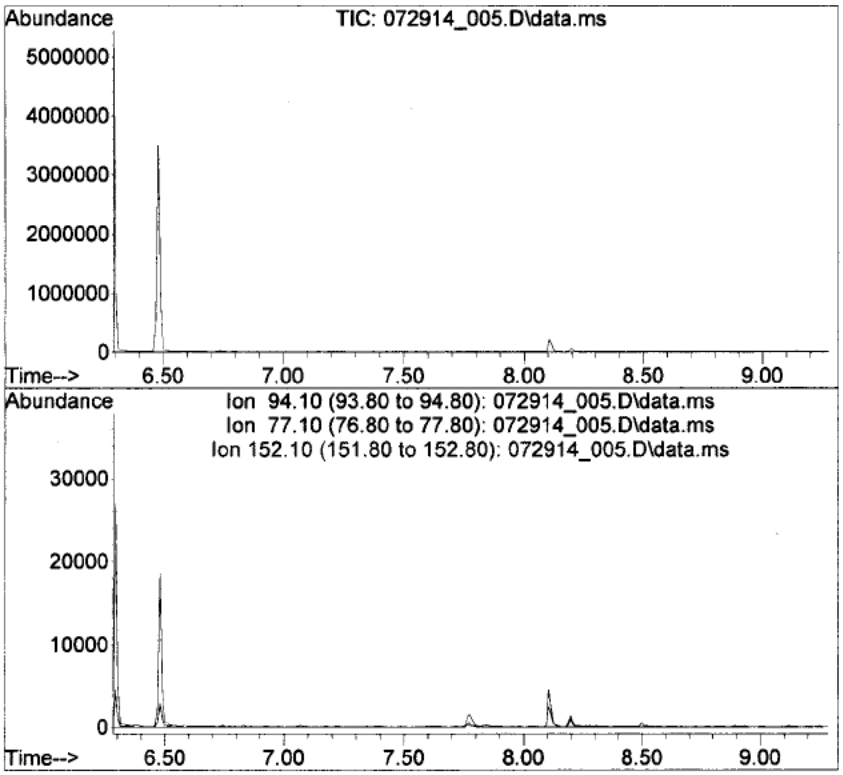


#2
MCHM (2 peaks combined)
Concen: 169.65 ug/mL m
RT: 6.292 min Scan# 261
Delta R.T. -0.238 min
Lab File: 072914_005.D
Acq: 29 Jul 2014 12:06 pm

Tgt Ion: 55 Resp: 2015953

Ion	Ratio	Lower	Upper
55	100		
97	17.4	31.5	47.3#
81	12.7	24.2	36.4#



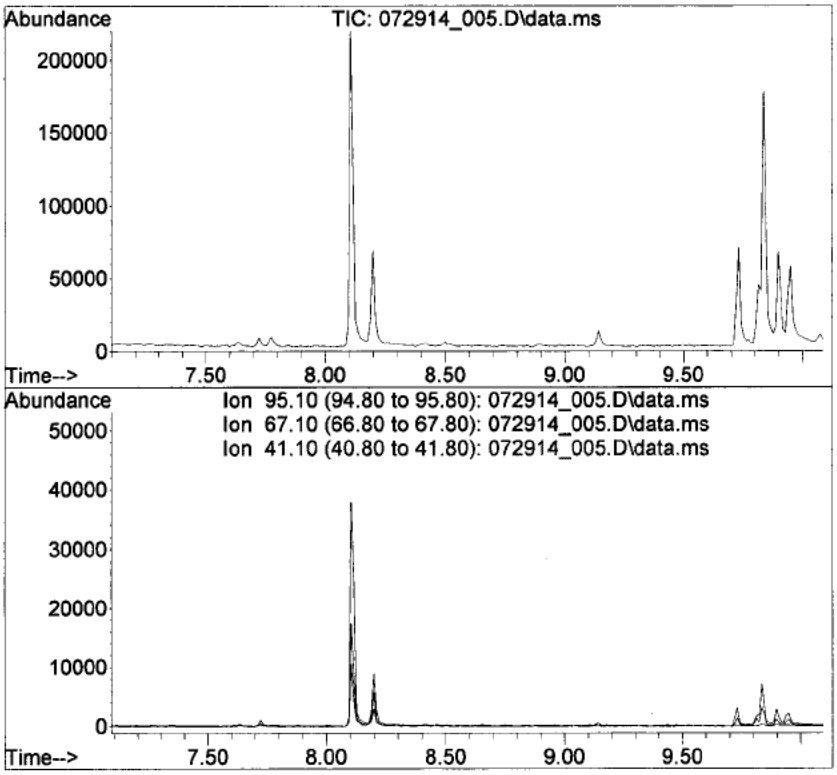


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_005.D
Acq: 29 Jul 2014 12:06 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

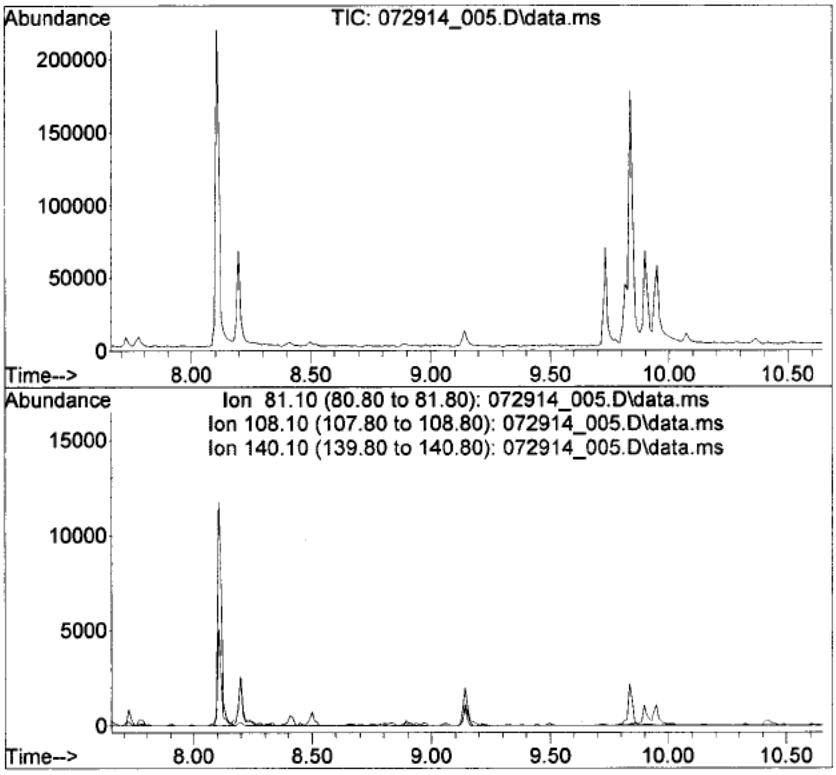


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_005.D
Acq: 29 Jul 2014 12:06 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

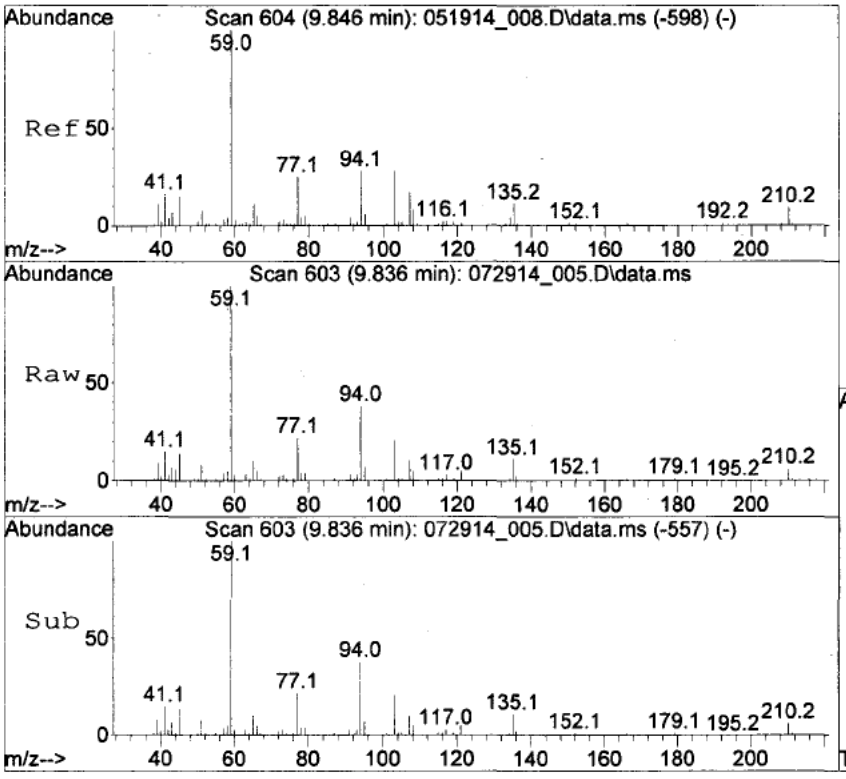


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_005.D
Acq: 29 Jul 2014 12:06 pm

Tgt Ion: 81

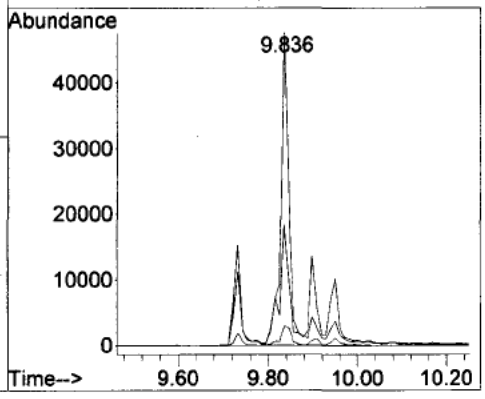
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 40.03 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_005.D
Acq: 29 Jul 2014 12:06 pm

Tgt Ion: 59 Resp: 107285

Ion	Ratio	Lower	Upper
59	100		
94	25.7	24.0	36.0
210	0.0	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_006.D
Acq On : 29 Jul 2014 12:35 pm
Operator : [redacted]
Sample : M405006-02B
Misc : 5uL in 995uL MeCl2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 15:44:15 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

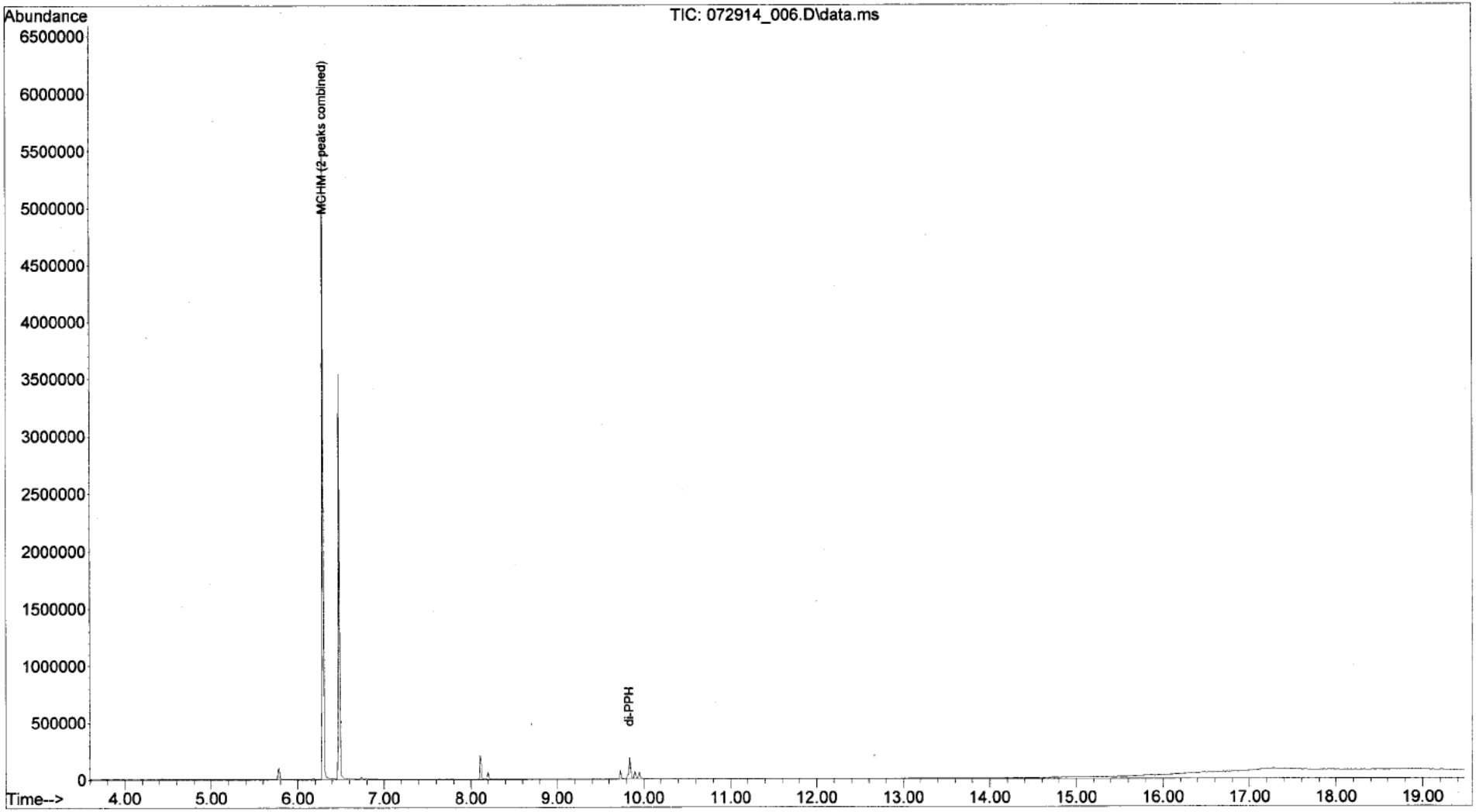
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.291	55	2125114m	177.99 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	116213m	40.67 ug/mL	

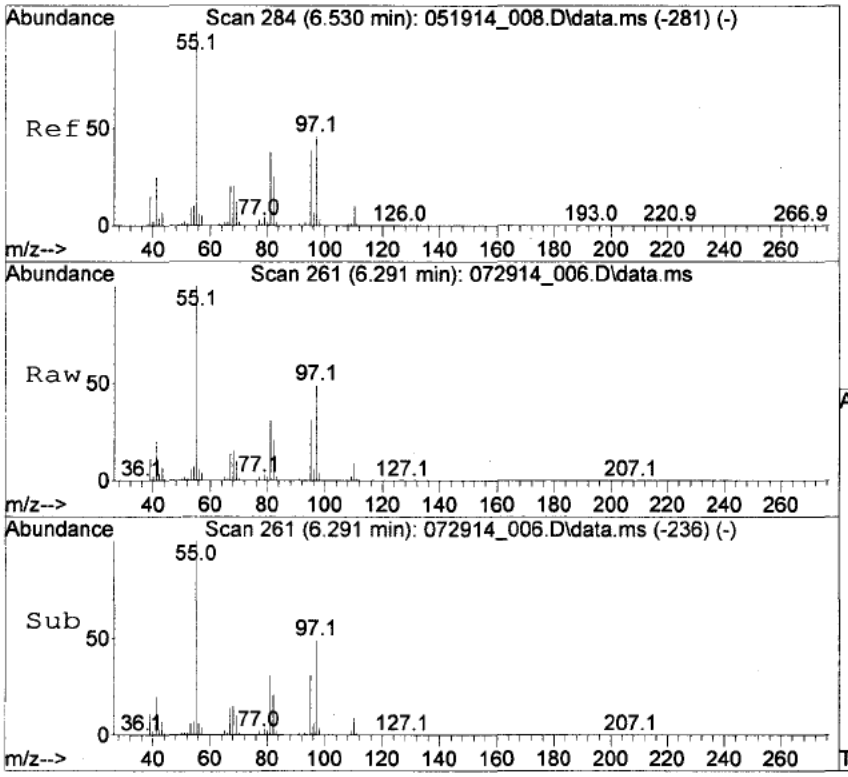
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_006.D
Acq On : 29 Jul 2014 12:35 pm
Operator : [redacted]
Sample : N405006-02B
Misc : 5uL in 995uL MeCl2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 15:44:15 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

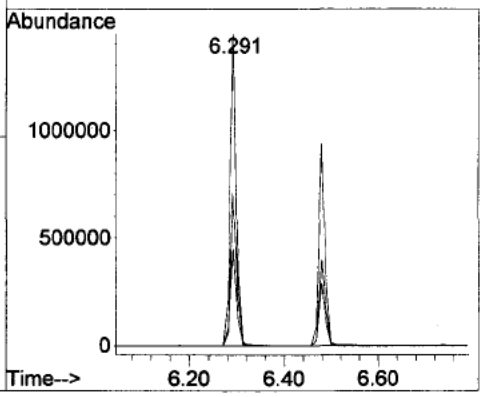


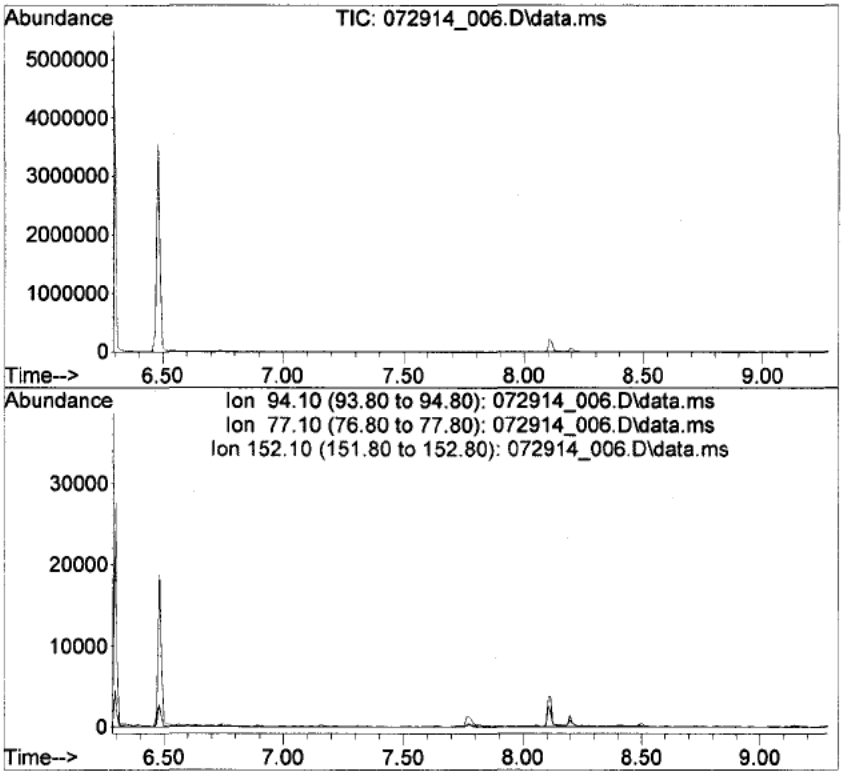


#2
MCHM (2 peaks combined)
Concen: 177.99 ug/mL m
RT: 6.291 min Scan# 261
Delta R.T. -0.239 min
Lab File: 072914_006.D
Acq: 29 Jul 2014 12:35 pm

Tgt Ion: 55 Resp: 2125114

Ion	Ratio	Lower	Upper
55	100		
97	17.7	31.5	47.3#
81	12.7	24.2	36.4#



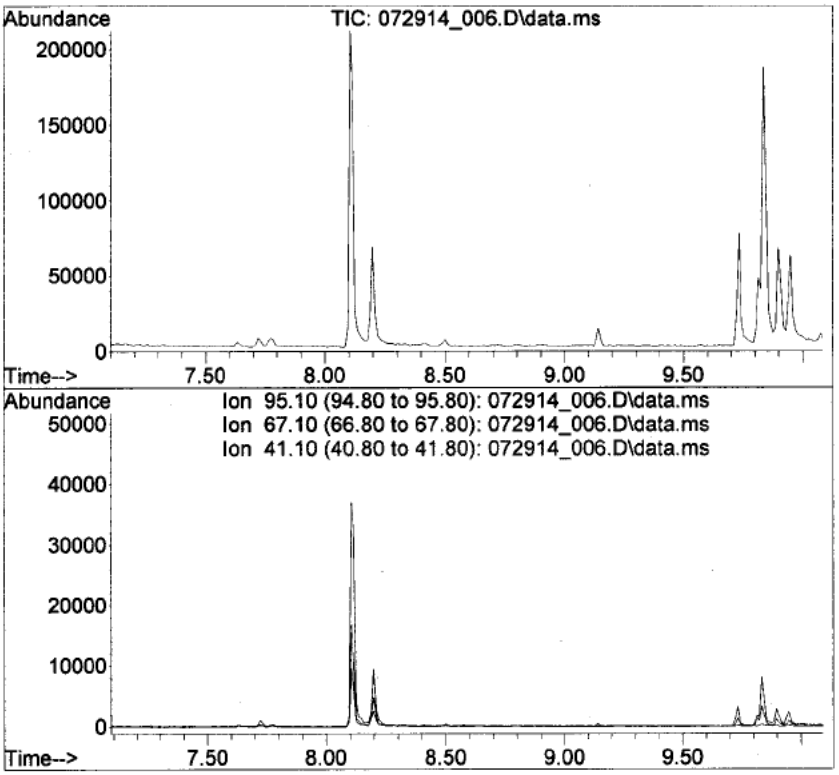


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_006.D
Acq: 29 Jul 2014 12:35 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

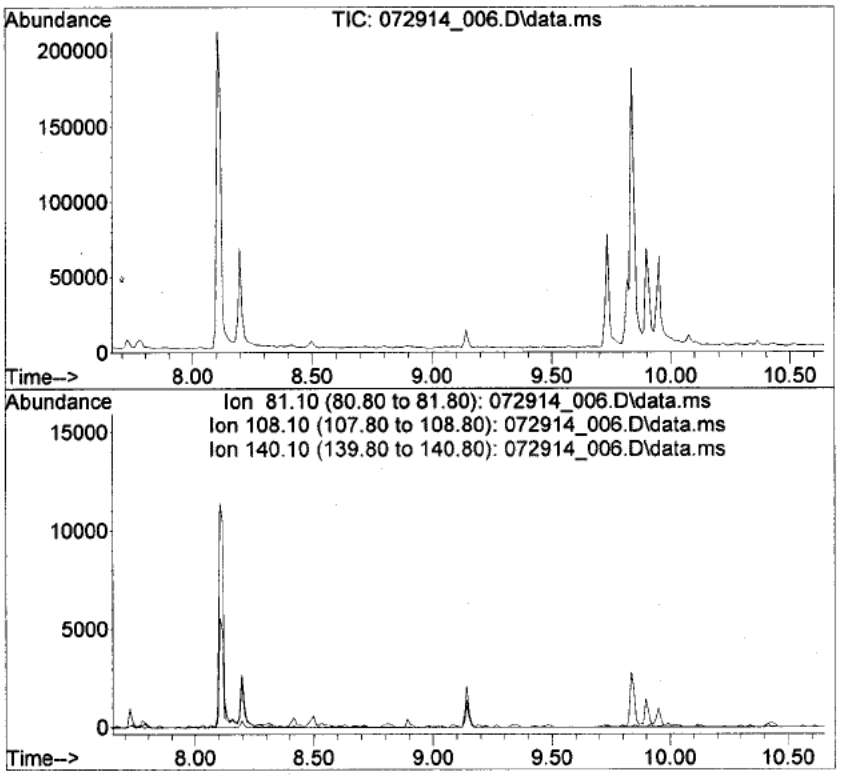


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_006.D
Acq: 29 Jul 2014 12:35 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

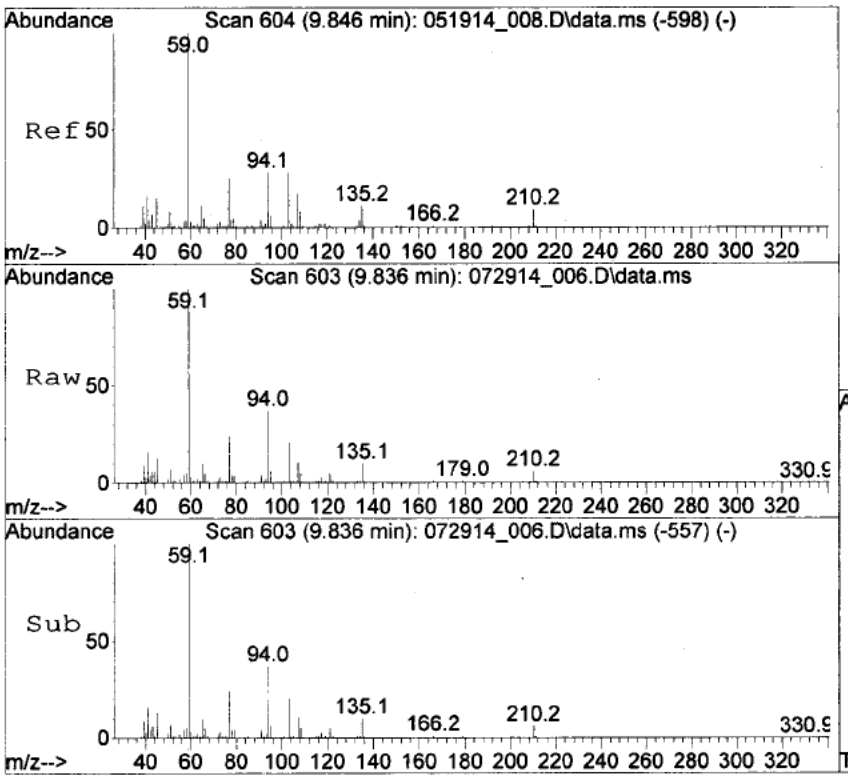


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_006.D
Acq: 29 Jul 2014 12:35 pm

Tgt Ion: 81

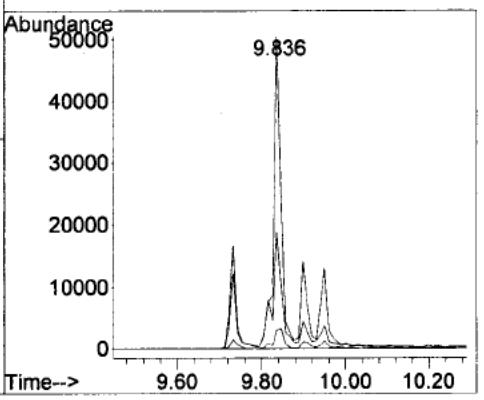
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 40.67 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_006.D
Acq: 29 Jul 2014 12:35 pm

Tgt Ion: 59 Resp: 116213

Ion	Ratio	Lower	Upper
59	100		
94	25.6	24.0	36.0
210	0.0	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_007.D
Acq On : 29 Jul 2014 1:04 pm
Operator : [redacted]
Sample : M405006-02C
Misc : 5uL in 995uL MeCl2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 15:44:46 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

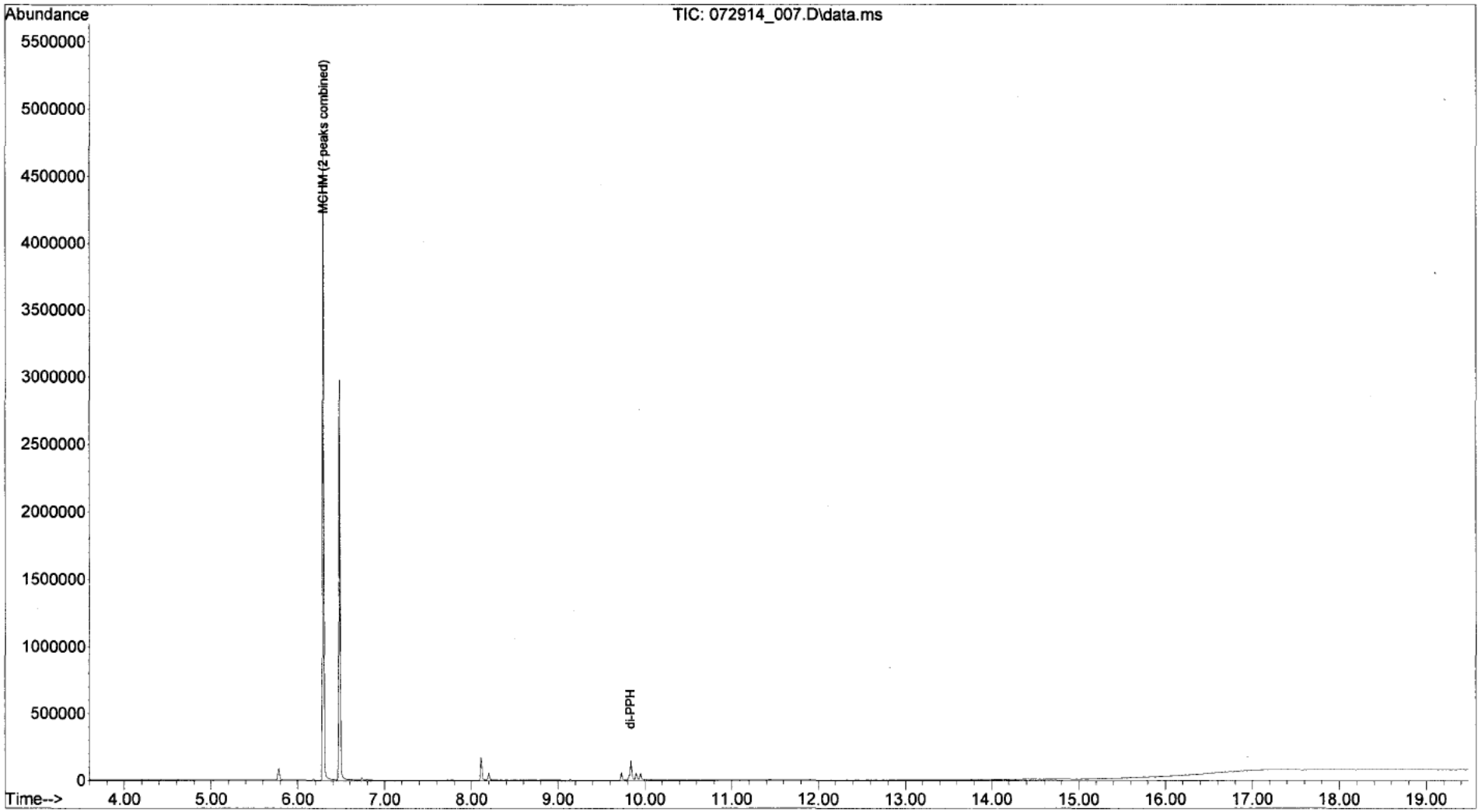
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.292	55	1781872m	151.78 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	92353m	38.95 ug/mL	

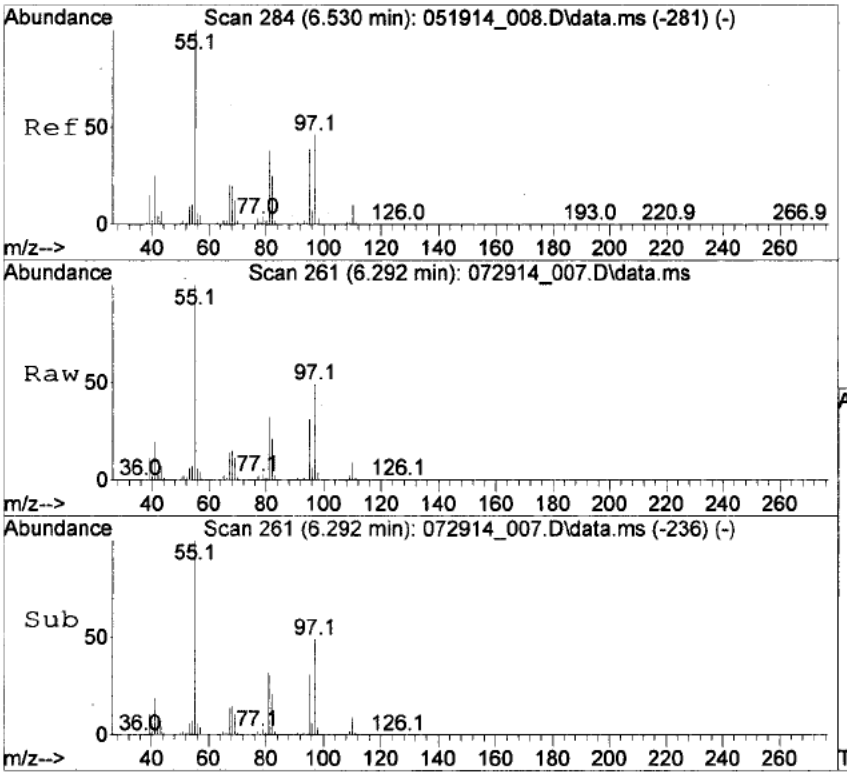
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_007.D
Acq On : 29 Jul 2014 1:04 pm
Operator : [redacted]
Sample : N405006-02C
Misc : 5uL in 995uL MeCl2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 15:44:46 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

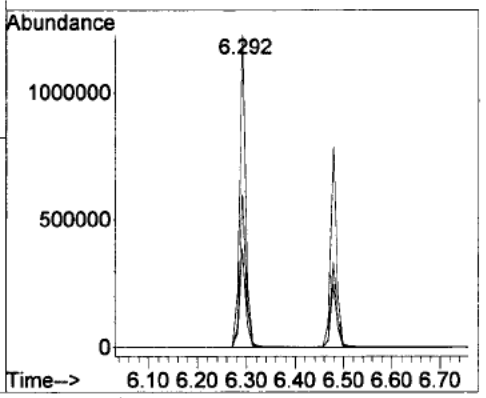


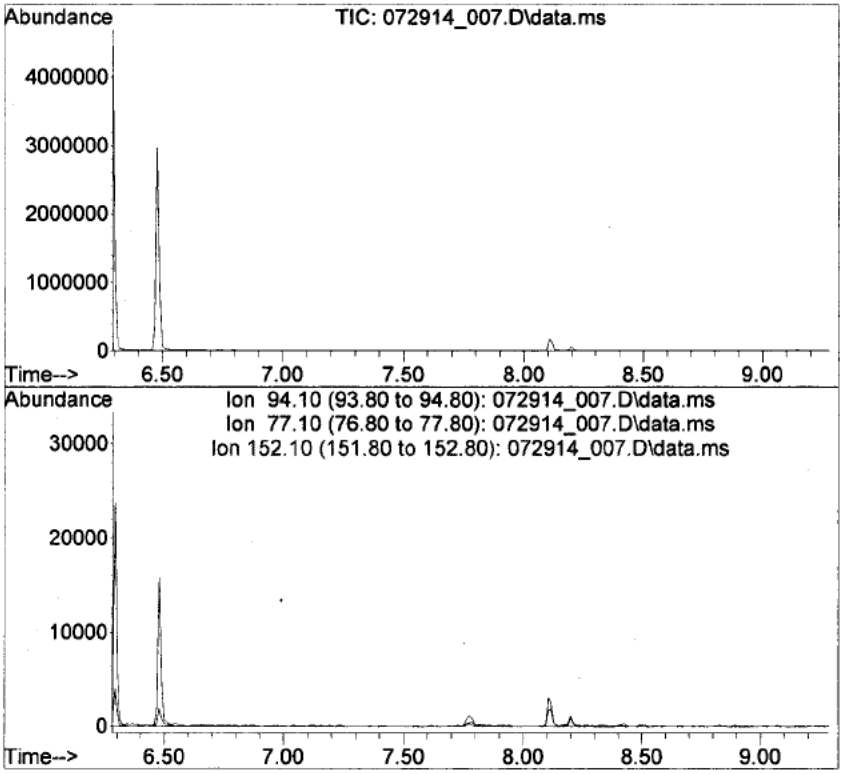


#2
MCHM (2 peaks combined)
Concen: 151.78 ug/mL m
RT: 6.292 min Scan# 261
Delta R.T. -0.238 min
Lab File: 072914_007.D
Acq: 29 Jul 2014 1:04 pm

Tgt Ion: 55 Resp: 1781872

Ion	Ratio	Lower	Upper
55	100		
97	17.5	31.5	47.3#
81	12.6	24.2	36.4#



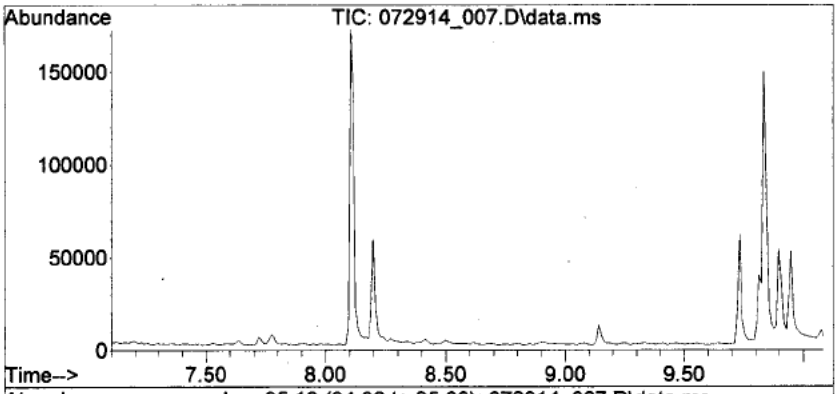


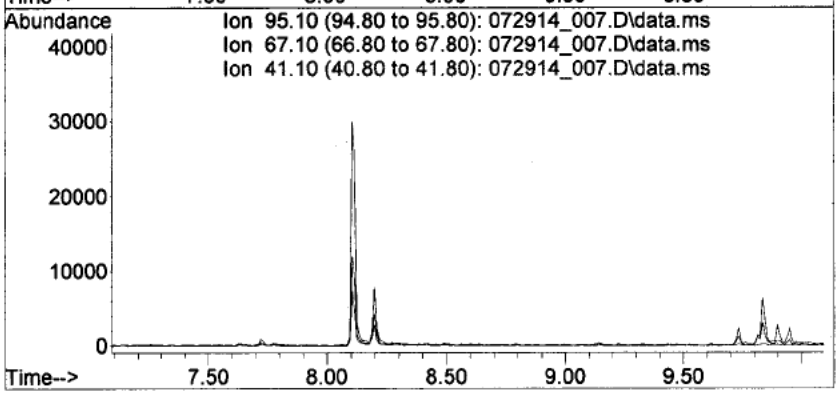
#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_007.D
Acq: 29 Jul 2014 1:04 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6



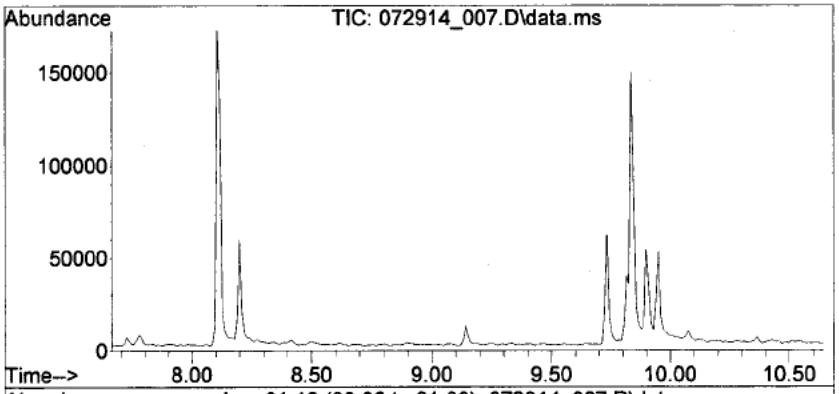


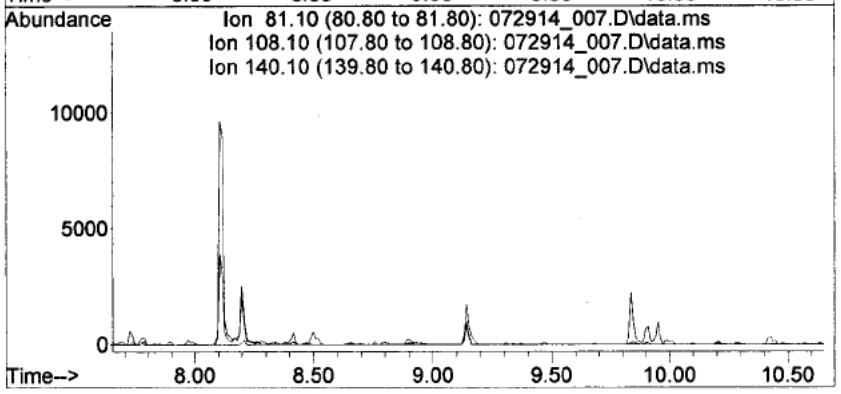
#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_007.D
Acq: 29 Jul 2014 1:04 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2



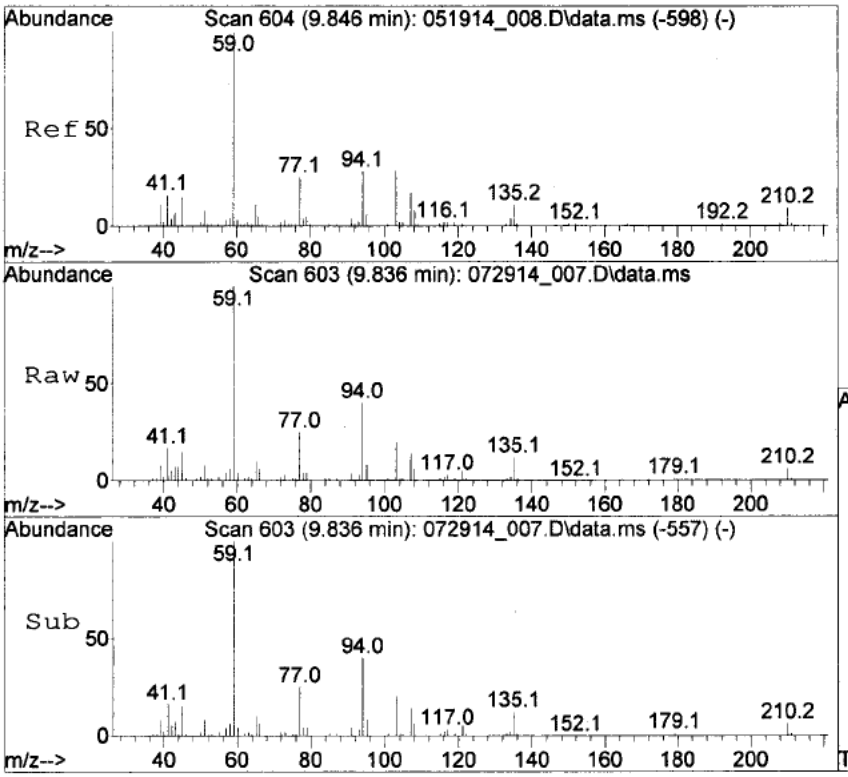


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_007.D
Acq: 29 Jul 2014 1:04 pm

Tgt Ion: 81

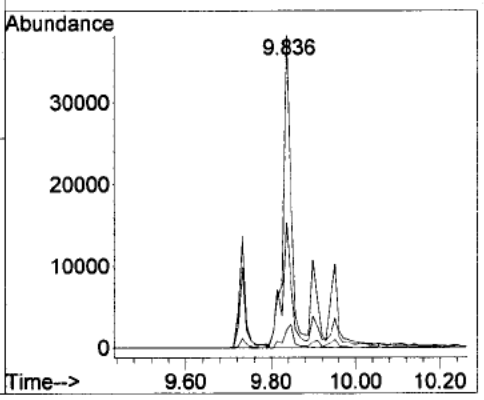
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 38.95 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_007.D
Acq: 29 Jul 2014 1:04 pm

Tgt Ion: 59 Resp: 92353

Ion	Ratio	Lower	Upper
59	100		
94	26.0	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), (b) 6) RP1581\
Data File : 072914_008.D
Acq On : 29 Jul 2014 1:34 pm
Operator : [redacted] (b) (7)
Sample : N405006-02D
Misc : 5uL in 995uL MeCl2
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 15:45:19 2014
Quant Method : C:\msdchem\1\METHODS[redacted] (b) (7) C) (b) _RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

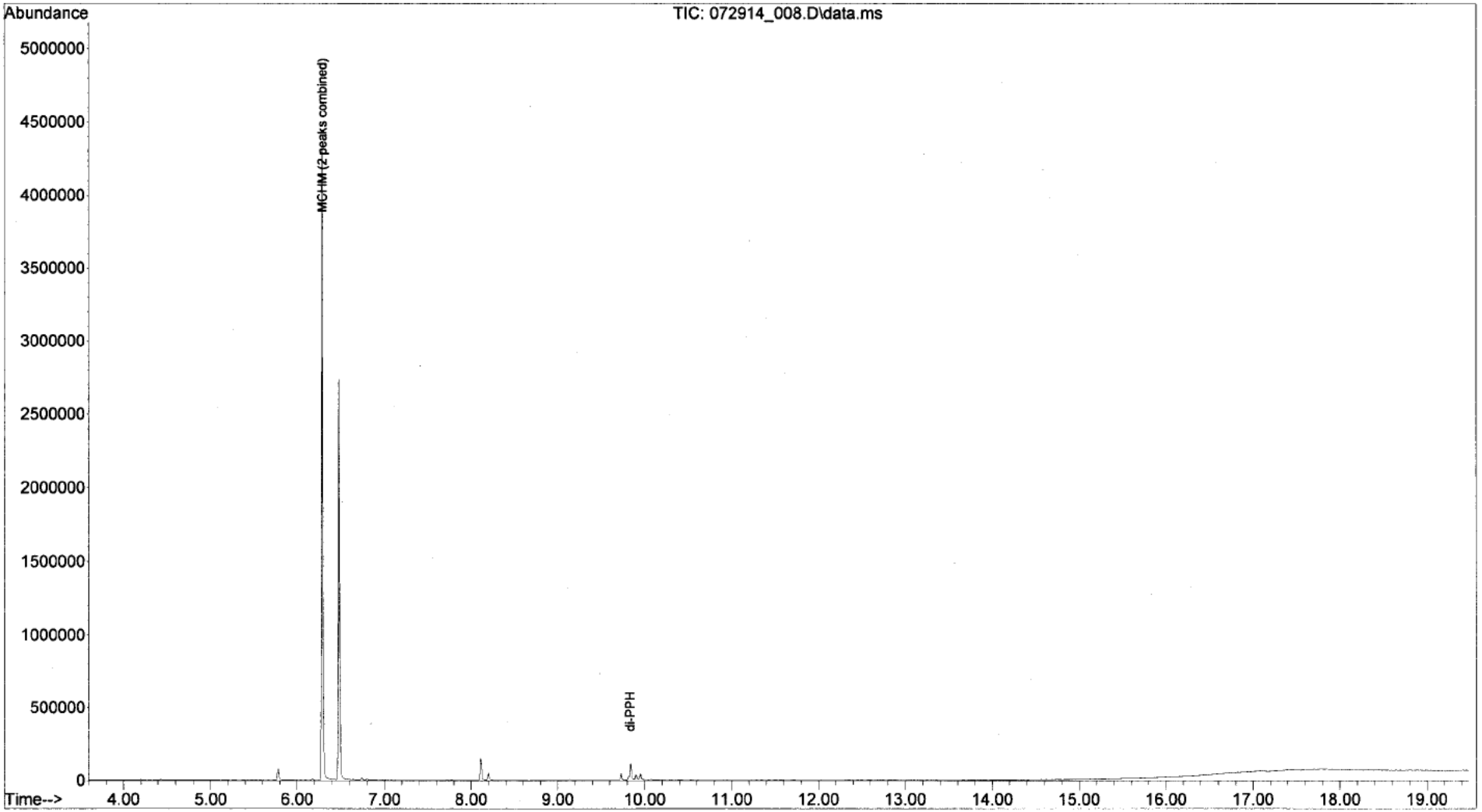
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.292	55	1587999m	136.98 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	77442m	37.88 ug/mL	

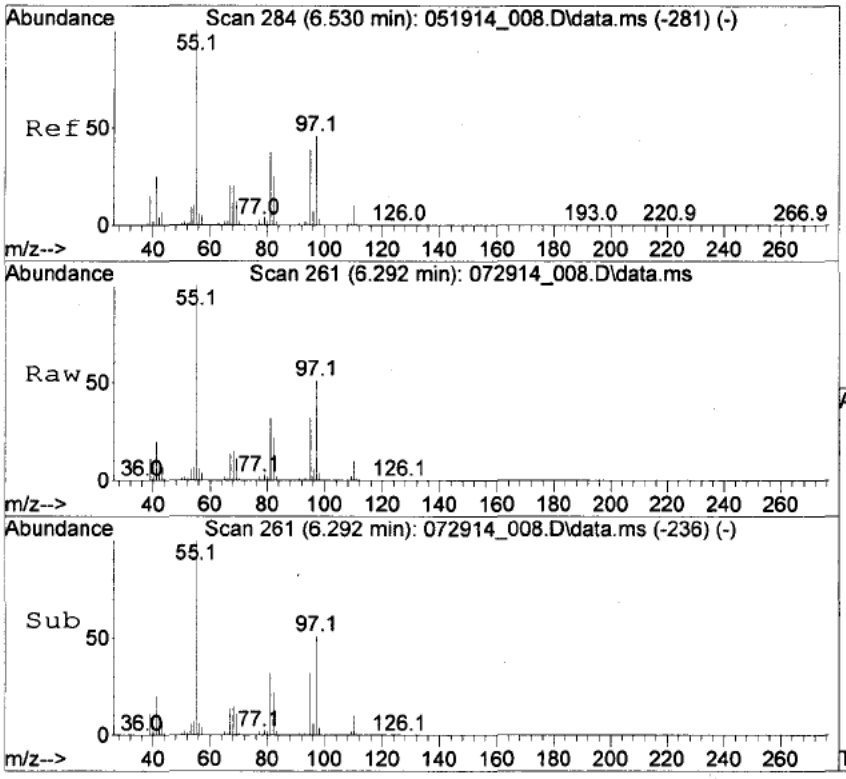
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_008.D
Acq On : 29 Jul 2014 1:34 pm
Operator : [redacted]
Sample : N405006-02D
Misc : 5uL in 995uL MeCl2
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 15:45:19 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

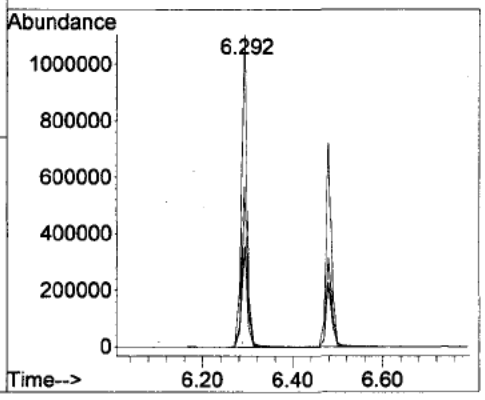


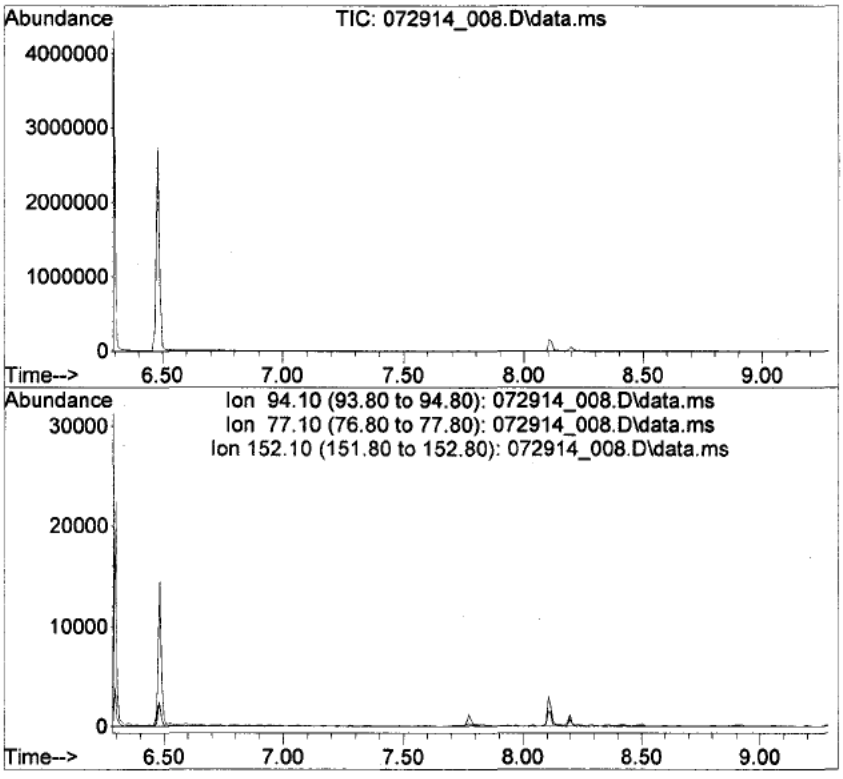


#2
MCHM (2 peaks combined)
Concen: 136.98 ug/mL m
RT: 6.292 min Scan# 261
Delta R.T. -0.238 min
Lab File: 072914_008.D
Acq: 29 Jul 2014 1:34 pm

Tgt Ion: 55 Resp: 1587999

Ion	Ratio	Lower	Upper
55	100		
97	17.8	31.5	47.3#
81	12.7	24.2	36.4#



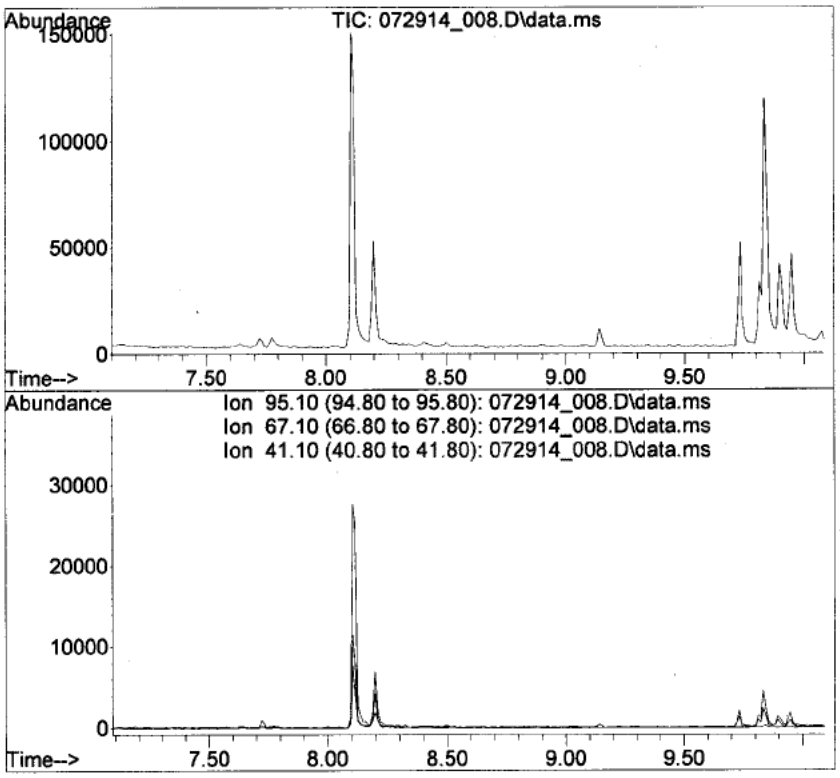


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_008.D
Acq: 29 Jul 2014 1:34 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

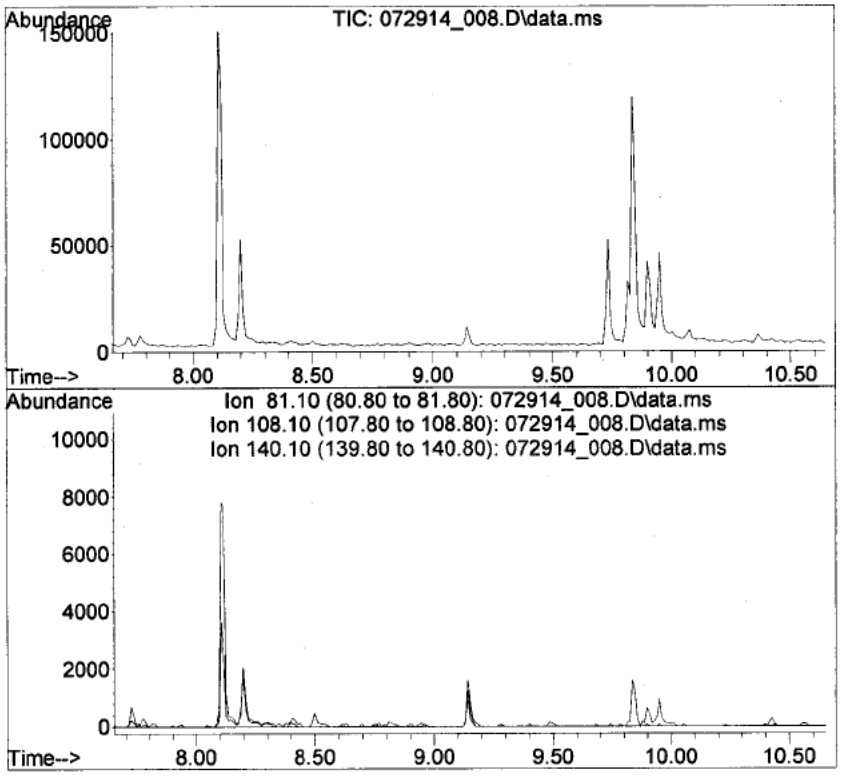


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_008.D
Acq: 29 Jul 2014 1:34 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

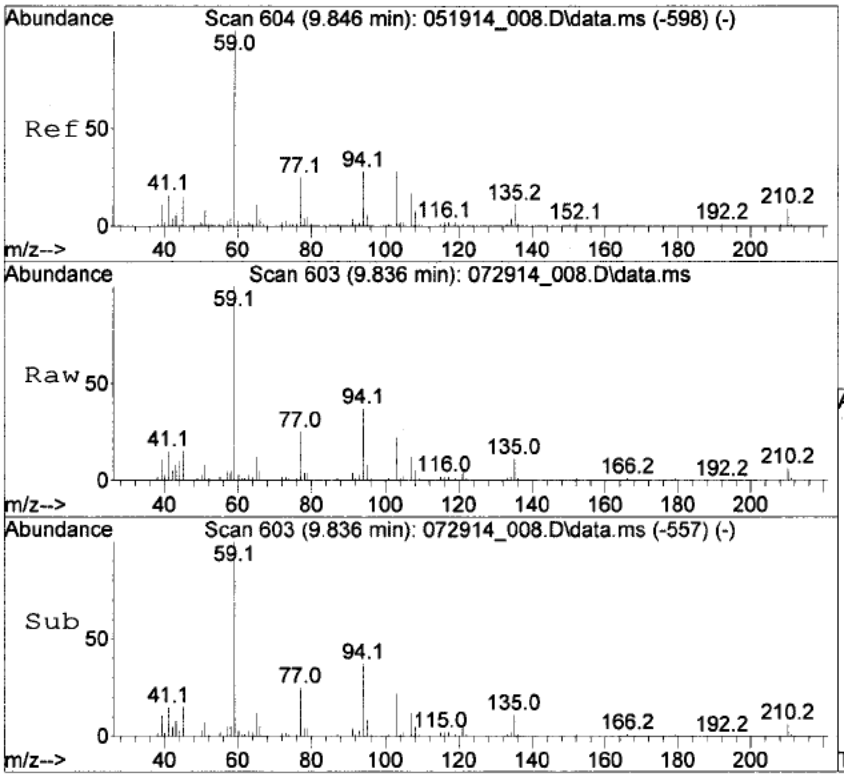


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_008.D
Acq: 29 Jul 2014 1:34 pm

Tgt Ion: 81

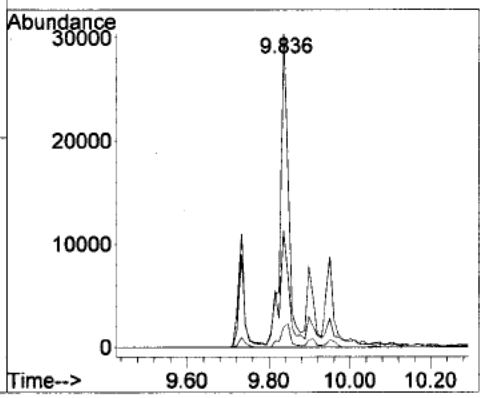
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 37.88 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_008.D
Acq: 29 Jul 2014 1:34 pm

Tgt Ion: 59 Resp: 77442

Ion	Ratio	Lower	Upper
59	100		
94	53.0	24.0	36.0#
210	9.4	7.2	10.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_009.D
Acq On : 29 Jul 2014 2:03 pm
Operator : [redacted]
Sample : M405006-02MS
Misc : 5uL in 995uL MeCl2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 15:47:18 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

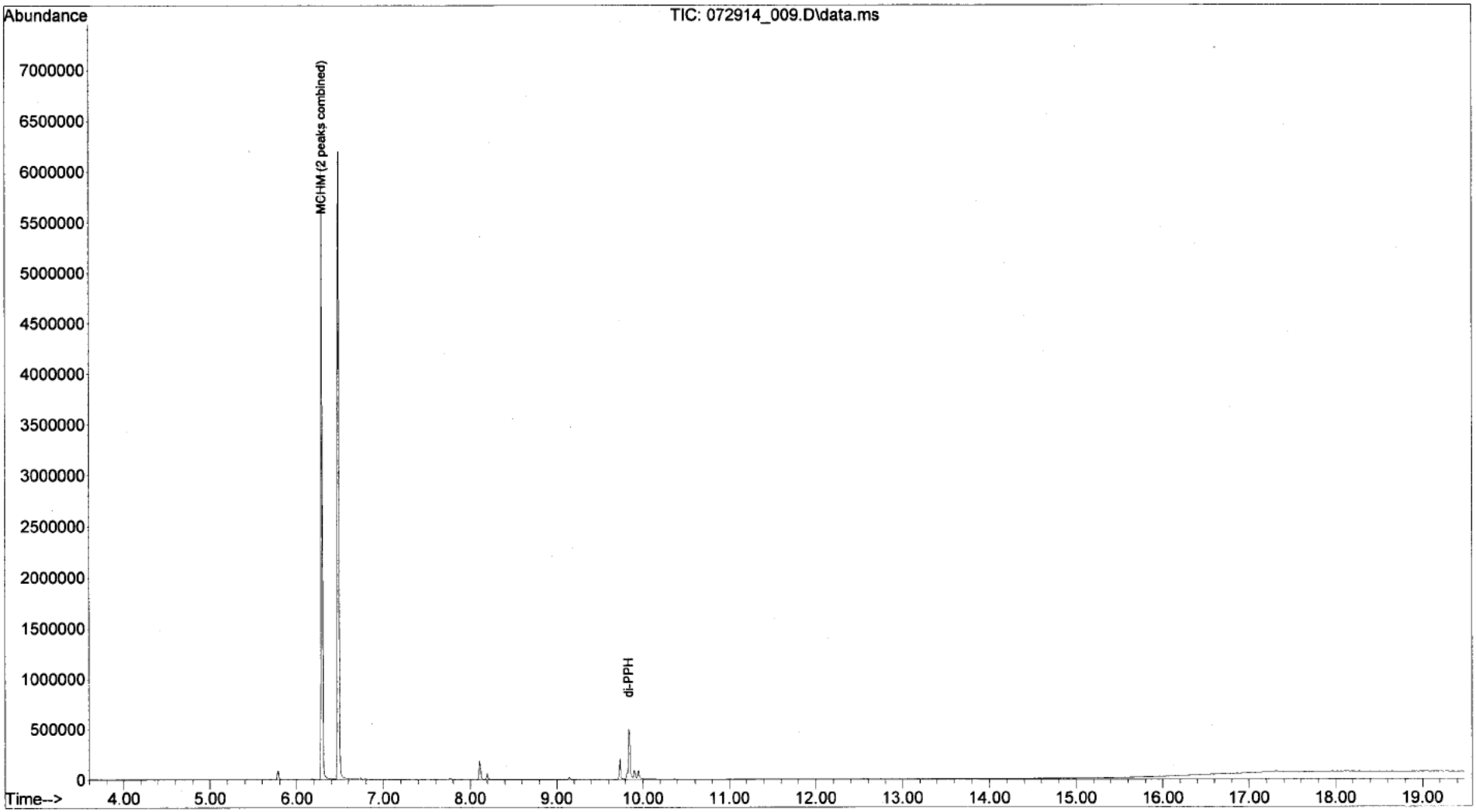
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.292	55	3428063m	277.47 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	296024m	53.59 ug/mL	

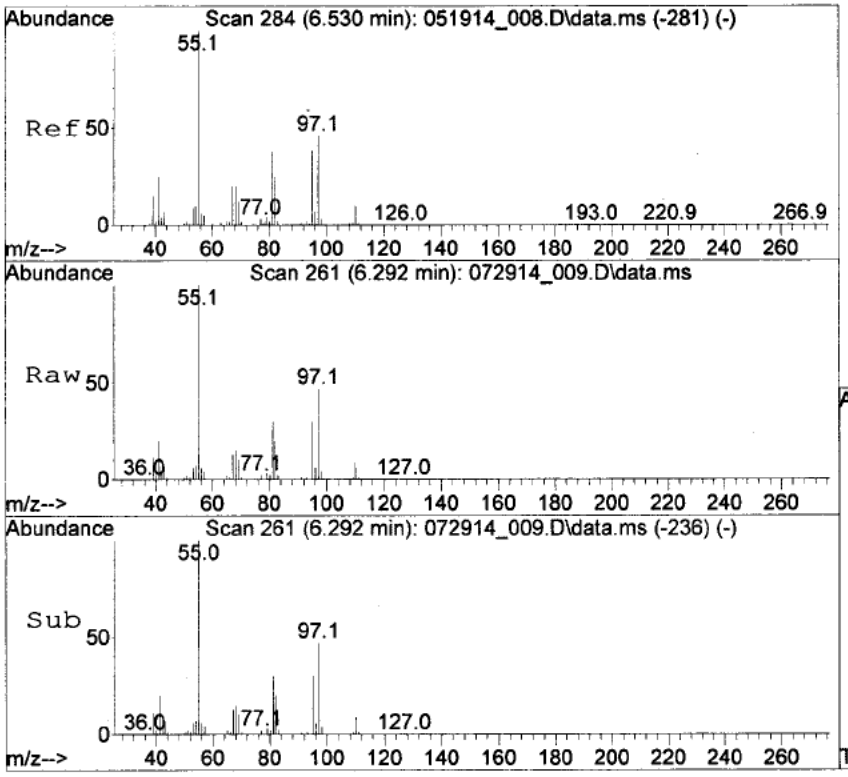
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_009.D
Acq On : 29 Jul 2014 2:03 pm
Operator : [redacted]
Sample : M405006-02MS
Misc : 5uL in 995uL MeCl2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 15:47:18 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

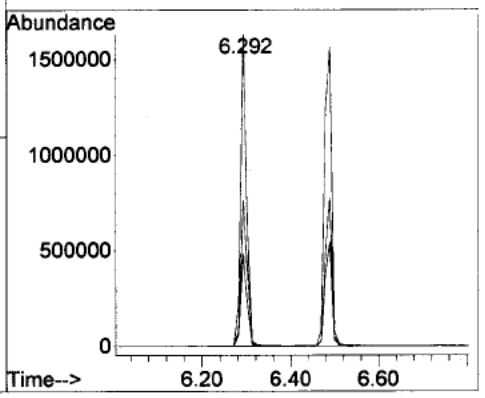


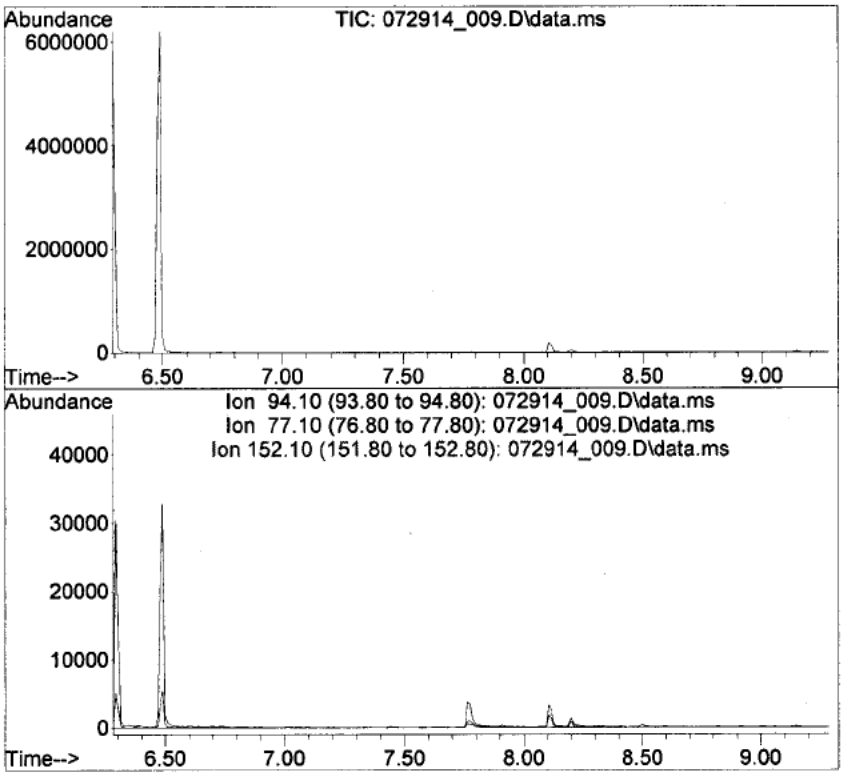


#2
MCHM (2 peaks combined)
Concen: 277.47 ug/mL m
RT: 6.292 min Scan# 261
Delta R.T. -0.238 min
Lab File: 072914_009.D
Acq: 29 Jul 2014 2:03 pm

Tgt Ion: 55 Resp: 3428063

Ion	Ratio	Lower	Upper
55	100		
97	24.4	31.5	47.3#
81	17.6	24.2	36.4#





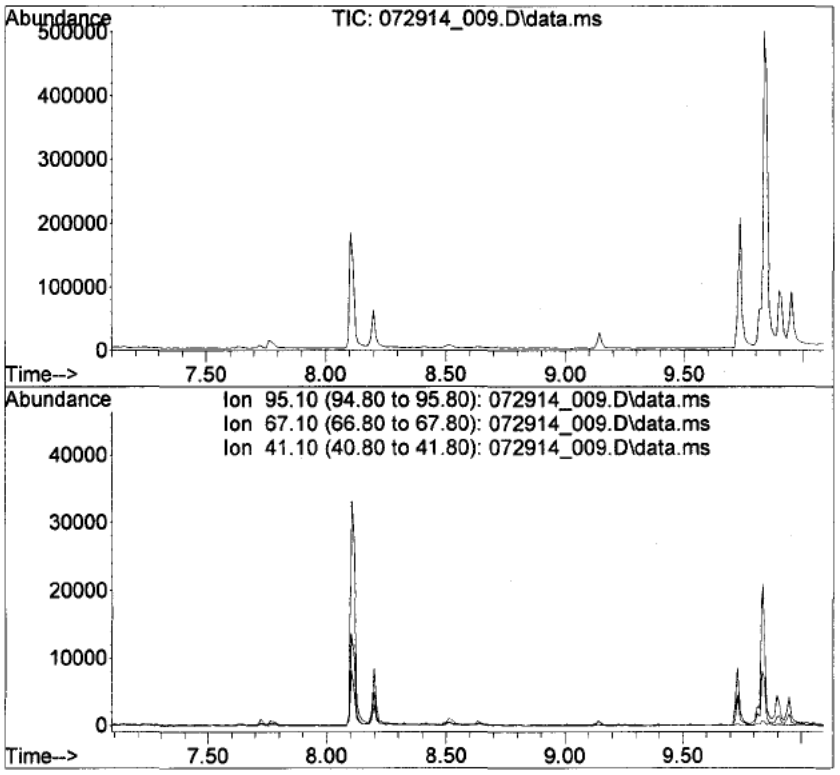
#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_009.D
Acq: 29 Jul 2014 2:03 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

(b) (7)

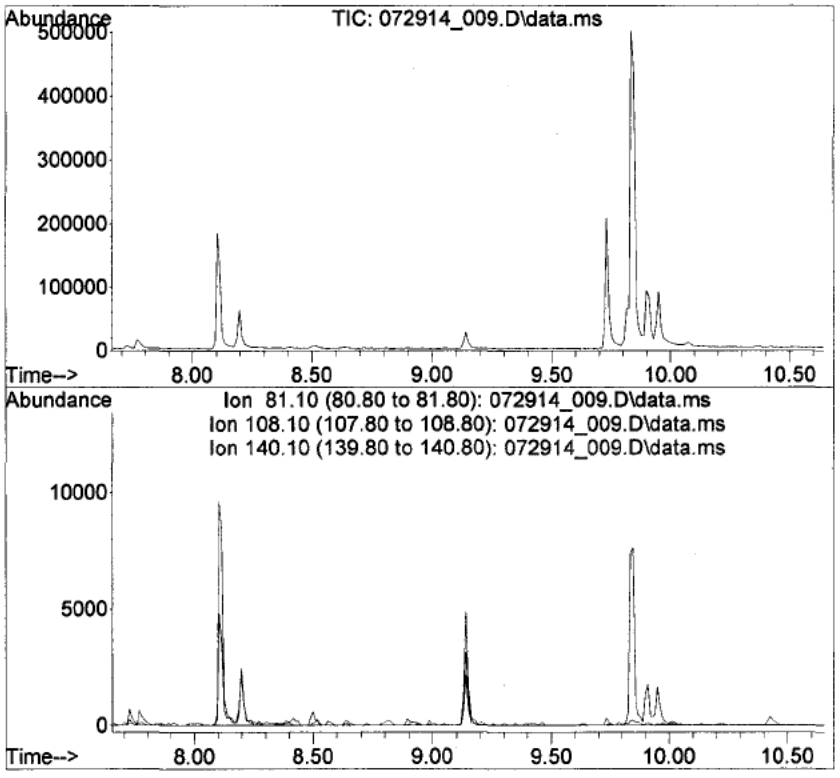


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_009.D
Acq: 29 Jul 2014 2:03 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

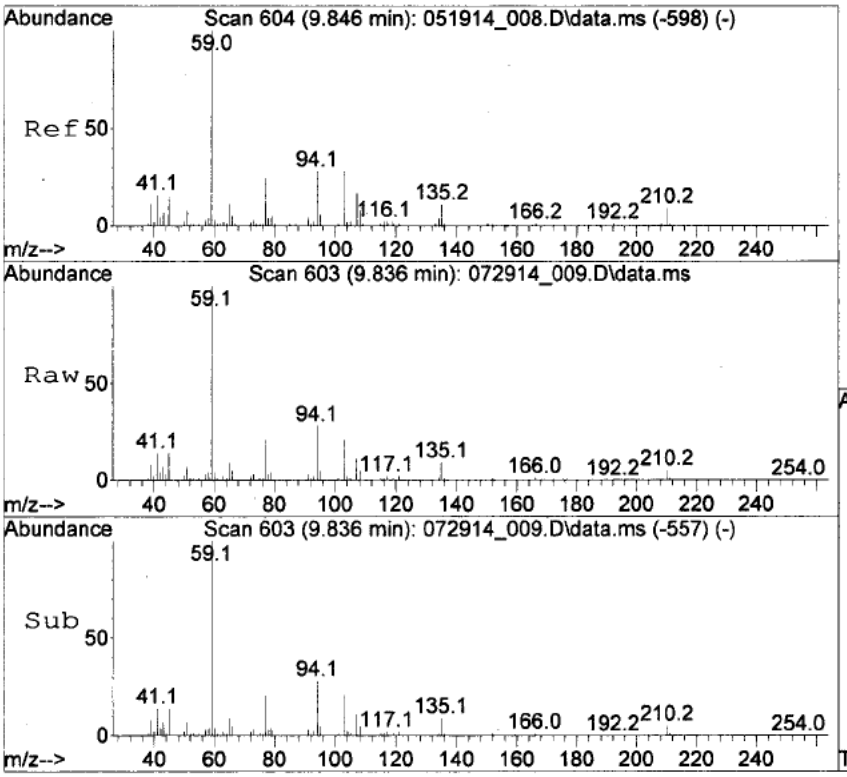


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_009.D
Acq: 29 Jul 2014 2:03 pm

Tgt Ion: 81

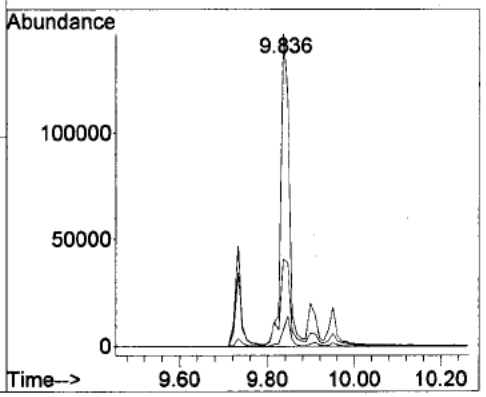
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 53.59 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_009.D
Acq: 29 Jul 2014 2:03 pm

Tgt Ion: 59 Resp: 296024

Ion	Ratio	Lower	Upper
59	100		
94	42.9	24.0	36.0#
210	9.0	7.2	10.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_010.D
Acq On : 29 Jul 2014 2:32 pm
Operator : [redacted]
Sample : N405006-10
Misc : 5uL in 995uL MeCl2
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 15:50:04 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

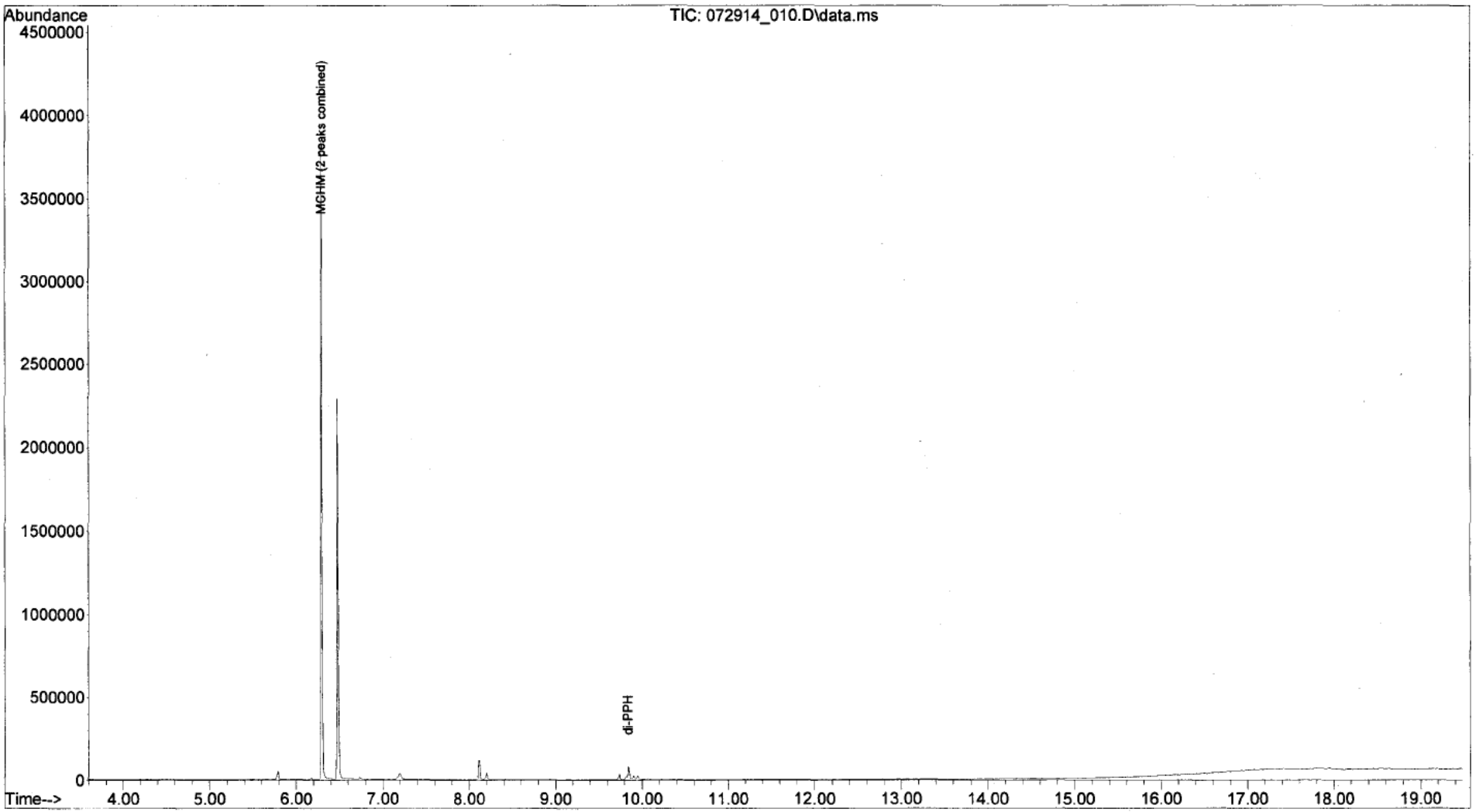
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.291	55	1382071m	121.26 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	52414m	36.08 ug/mL	

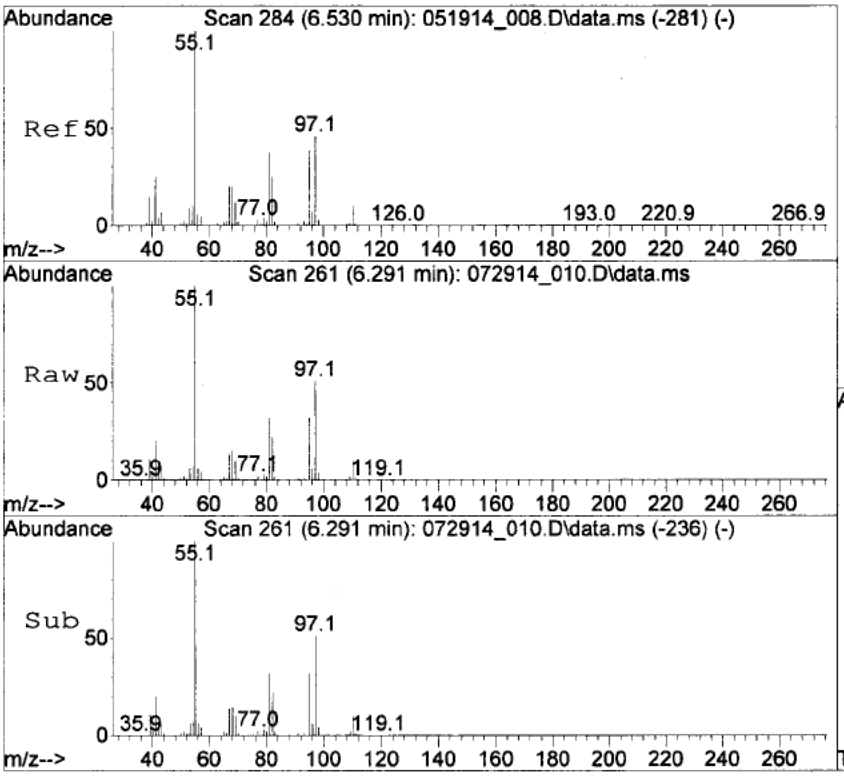
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_010.D
Acq On : 29 Jul 2014 2:32 pm
Operator : [redacted]
Sample : [redacted]405006-10
Misc : 5uL in 995uL MeCl2
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 15:50:04 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

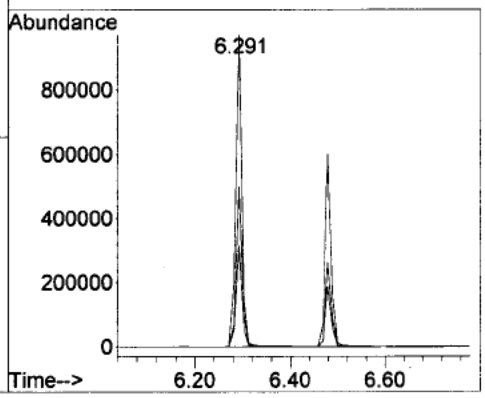


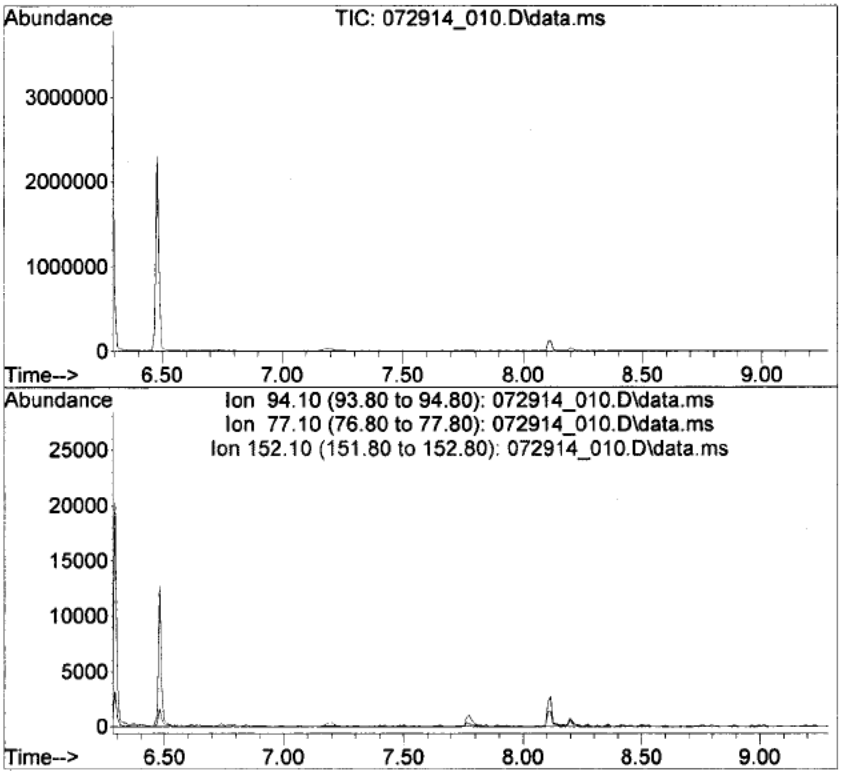


#2
MCHM (2 peaks combined)
Concen: 121.26 ug/mL m
RT: 6.291 min Scan# 261
Delta R.T. -0.239 min
Lab File: 072914_010.D
Acq: 29 Jul 2014 2:32 pm

Tgt Ion: 55 Resp: 1382071

Ion	Ratio	Lower	Upper
55	100		
97	17.1	31.5	47.3#
81	12.0	24.2	36.4#



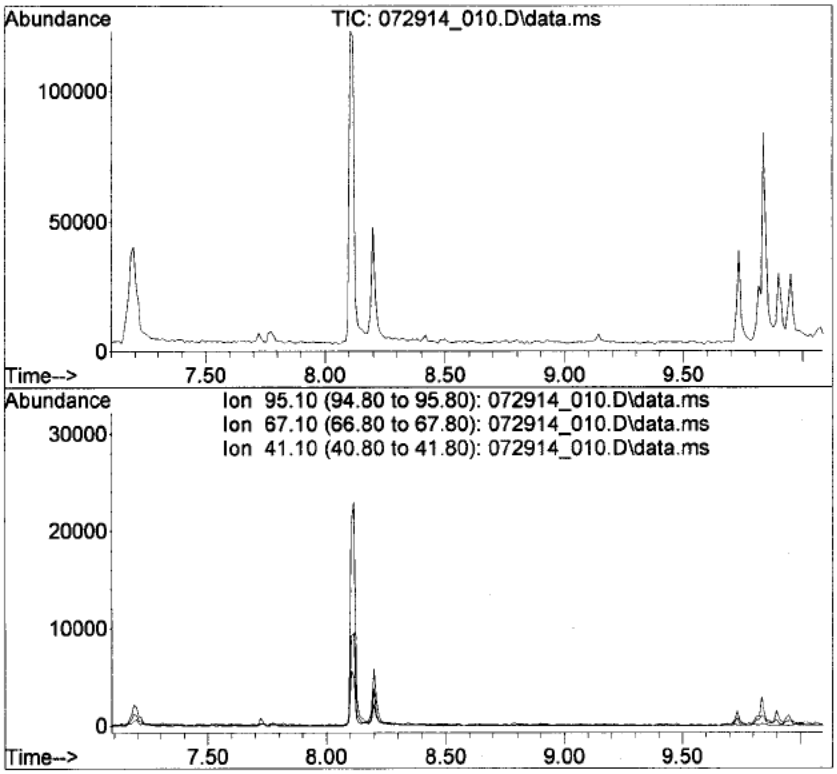


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_010.D
Acq: 29 Jul 2014 2:32 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

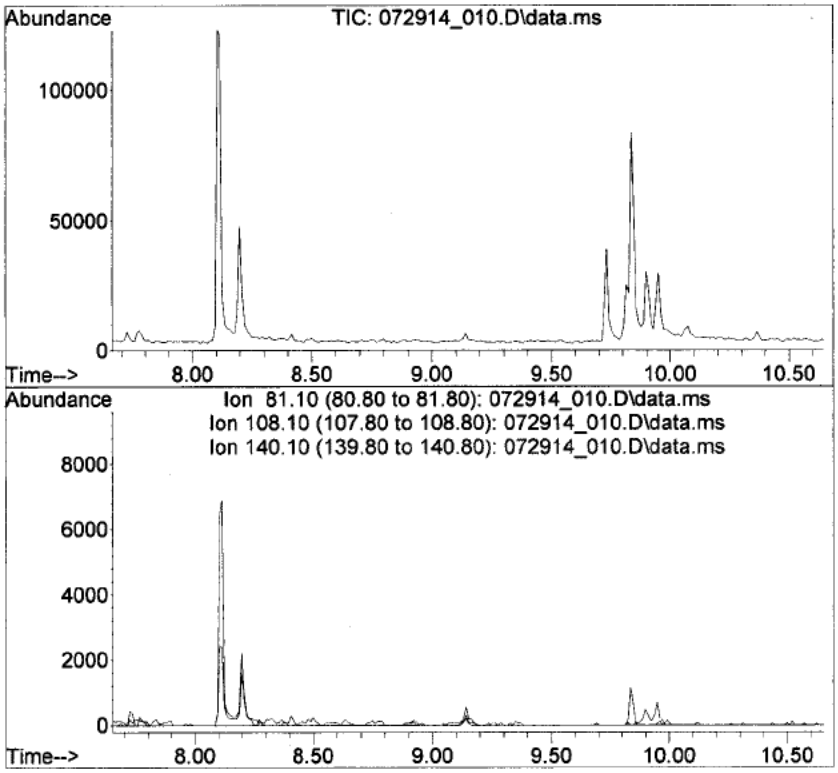


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_010.D
Acq: 29 Jul 2014 2:32 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

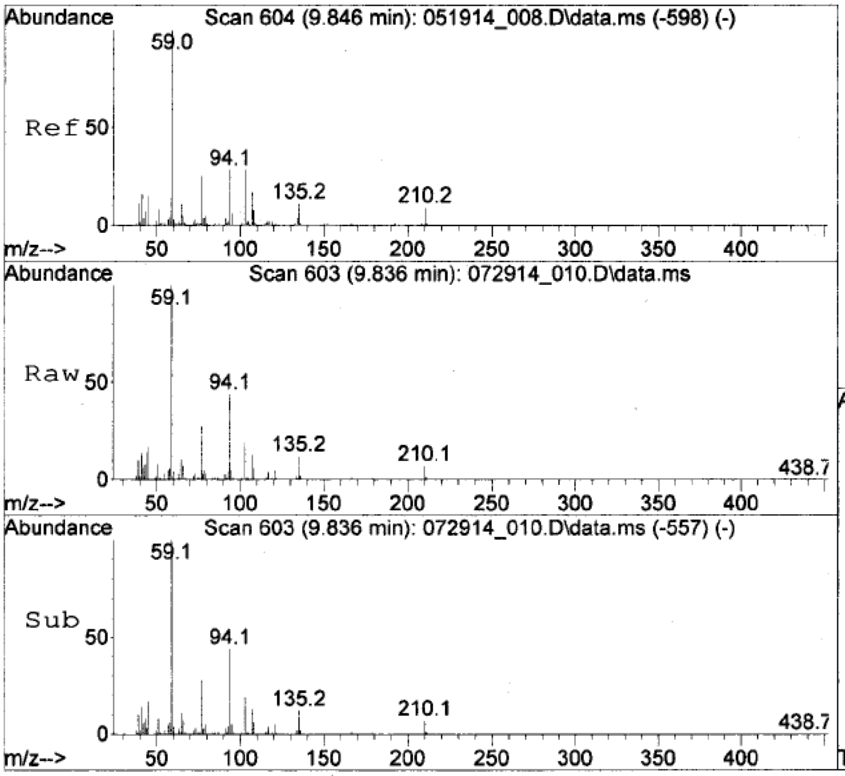


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_010.D
Acq: 29 Jul 2014 2:32 pm

Tgt Ion: 81

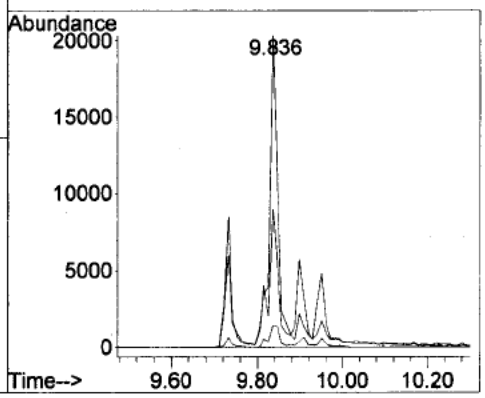
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 36.08 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_010.D
Acq: 29 Jul 2014 2:32 pm

Tgt Ion: 59 Resp: 52414

Ion	Ratio	Lower	Upper
59	100		
94	57.8	24.0	36.0#
210	9.4	7.2	10.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C), (b) (7) \RP1581\
Data File : 072914_011.D
Acq On : 29 Jul 2014 3:02 pm
Operator : (b) (7)
Sample : N405006-12
Misc : 5uL in 995uL MeCl2
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 15:52:16 2014
Quant Method : C:\msdchem\1\METHODS(b) (7) (C) (b) RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

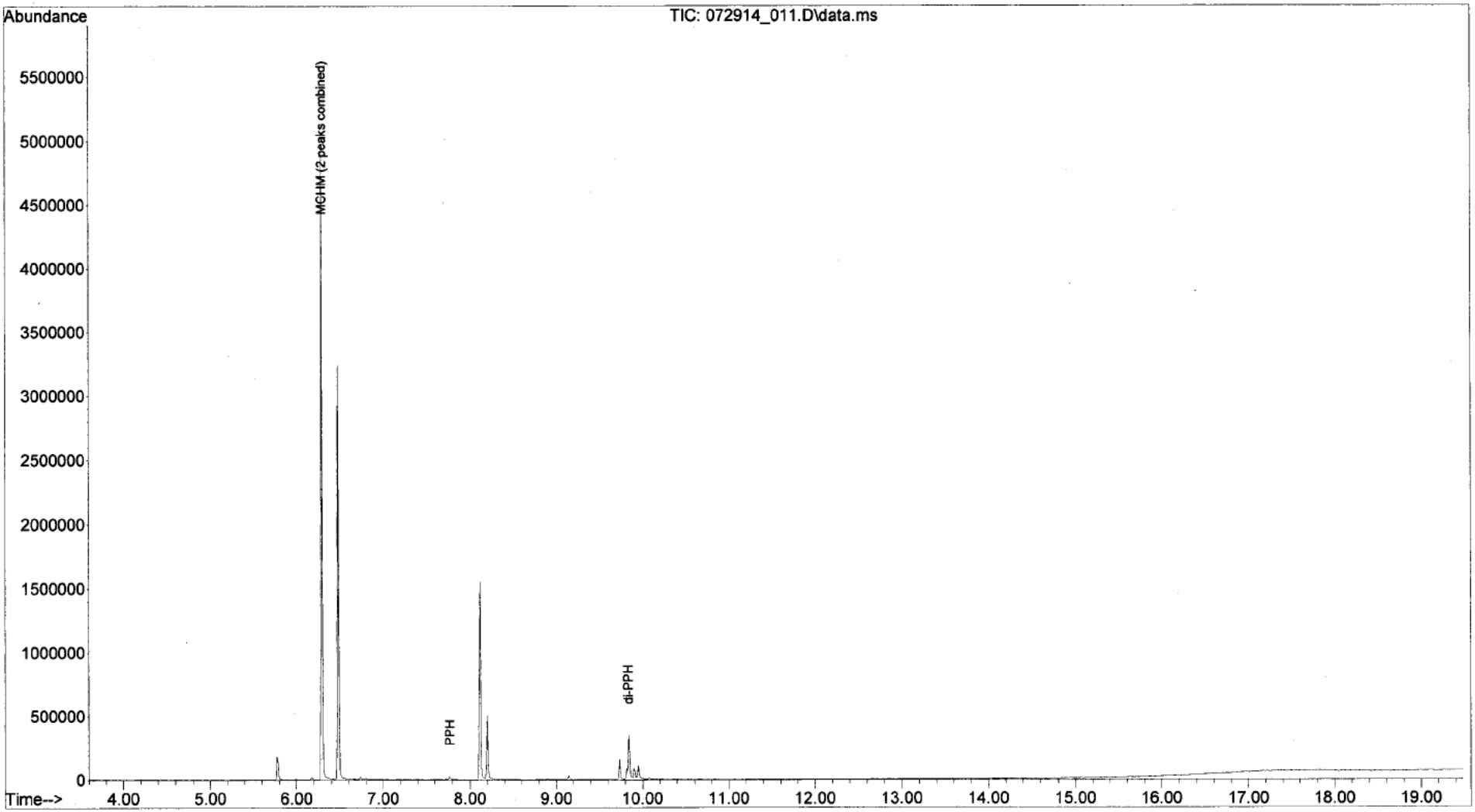
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.292	55	1921377m	162.43 ug/mL	
3) PPH	7.774	94	10333m	17.89 ug/mL	
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	208635m	47.31 ug/mL	

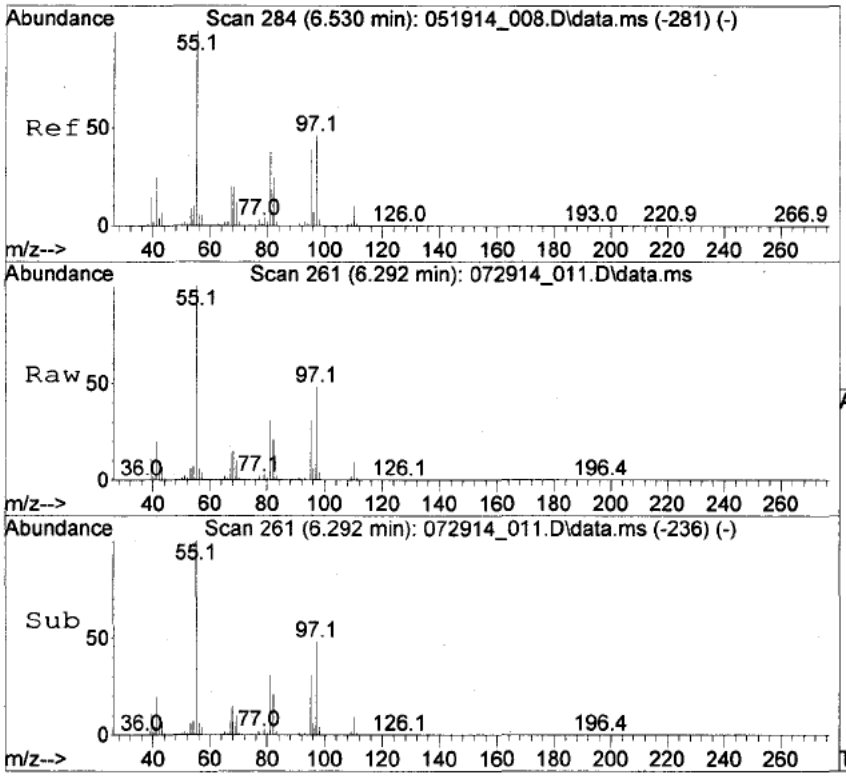
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted] RP1581\
Data File : 072914_011.D
Acq On : 29 Jul 2014 3:02 pm
Operator : [redacted]
Sample : N405006-12
Misc : 5uL in 995uL MeCl2
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 15:52:16 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

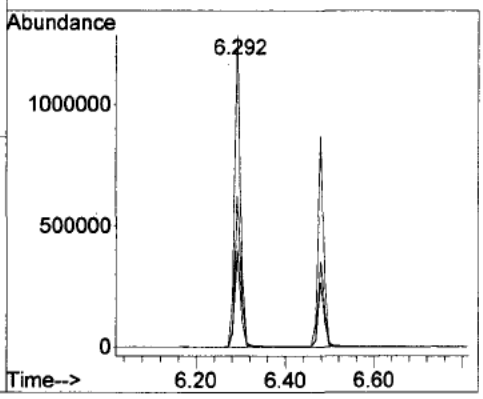


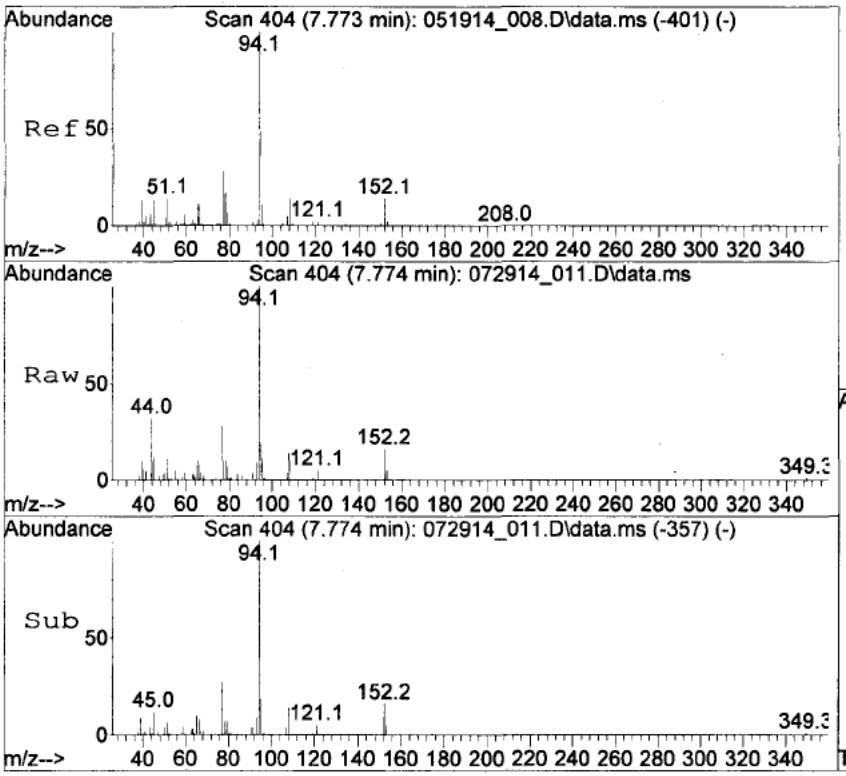


#2
MCHM (2 peaks combined)
Concen: 162.43 ug/mL m
RT: 6.292 min Scan# 261
Delta R.T. -0.238 min
Lab File: 072914_011.D
Acq: 29 Jul 2014 3:02 pm

Tgt Ion: 55 Resp: 1921377

Ion	Ratio	Lower	Upper
55	100		
97	47.0	31.5	47.3
81	31.2	24.2	36.4

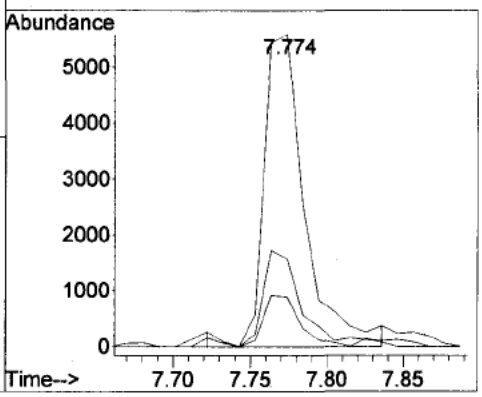


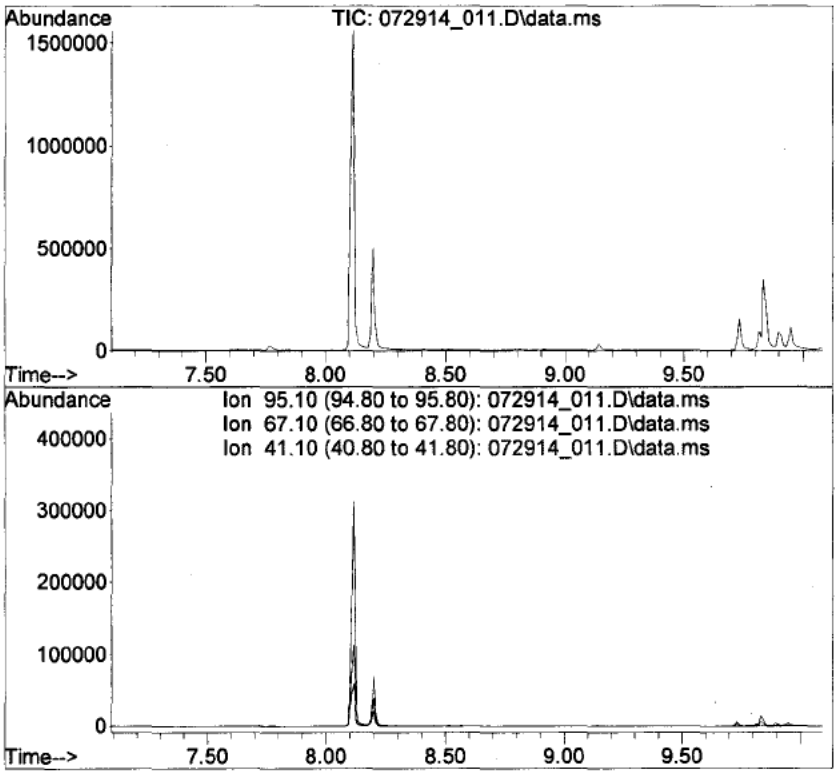


#3
PPH
Concen: 17.89 ug/mL m
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 072914_011.D
Acq: 29 Jul 2014 3:02 pm

Tgt Ion: 94 Resp: 10333

Ion	Ratio	Lower	Upper
94	100		
77	32.1	19.0	28.4#
152	15.8	14.9	22.3



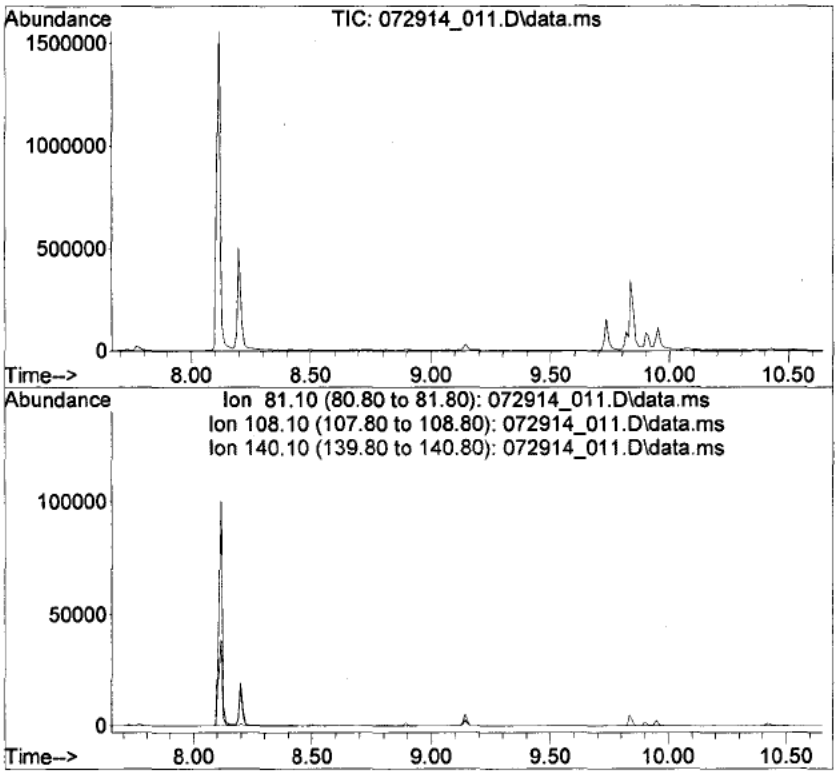


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_011.D
Acq: 29 Jul 2014 3:02 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

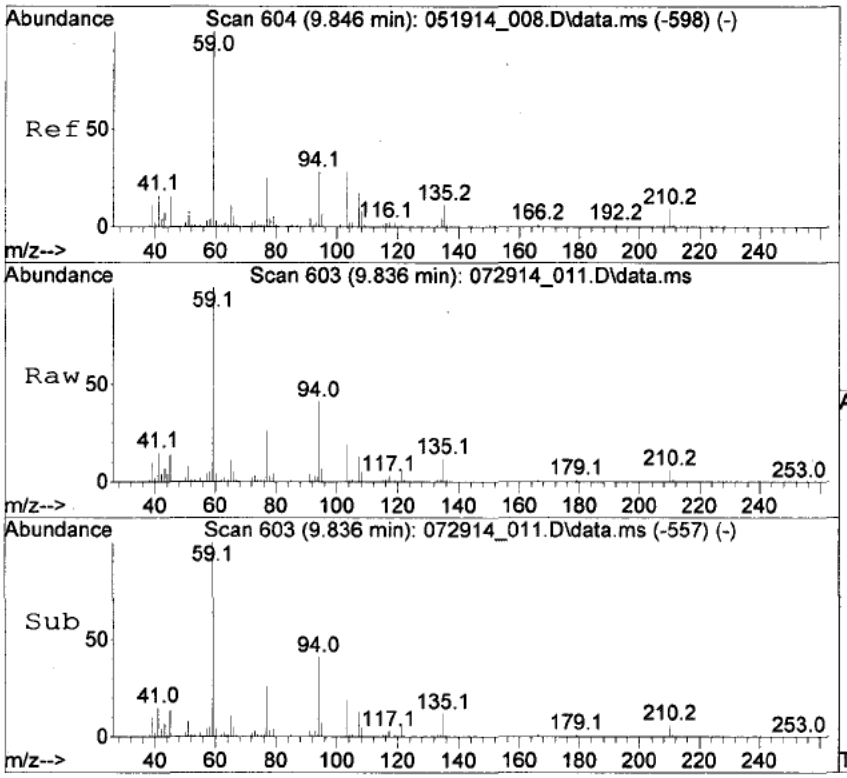


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_011.D
Acq: 29 Jul 2014 3:02 pm

Tgt Ion: 81

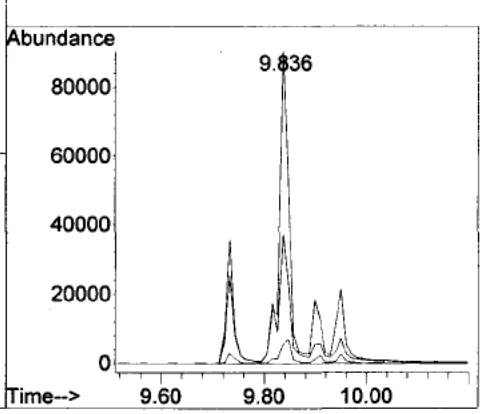
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 47.31 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_011.D
Acq: 29 Jul 2014 3:02 pm

Tgt Ion: 59 Resp: 208635

Ion	Ratio	Lower	Upper
59	100		
94	54.1	24.0	36.0#
210	9.6	7.2	10.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_012.D
Acq On : 29 Jul 2014 3:31 pm
Operator : [redacted]
Sample : M405006-08
Misc : 5uL in 995uL MeCl2
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 15:53:01 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

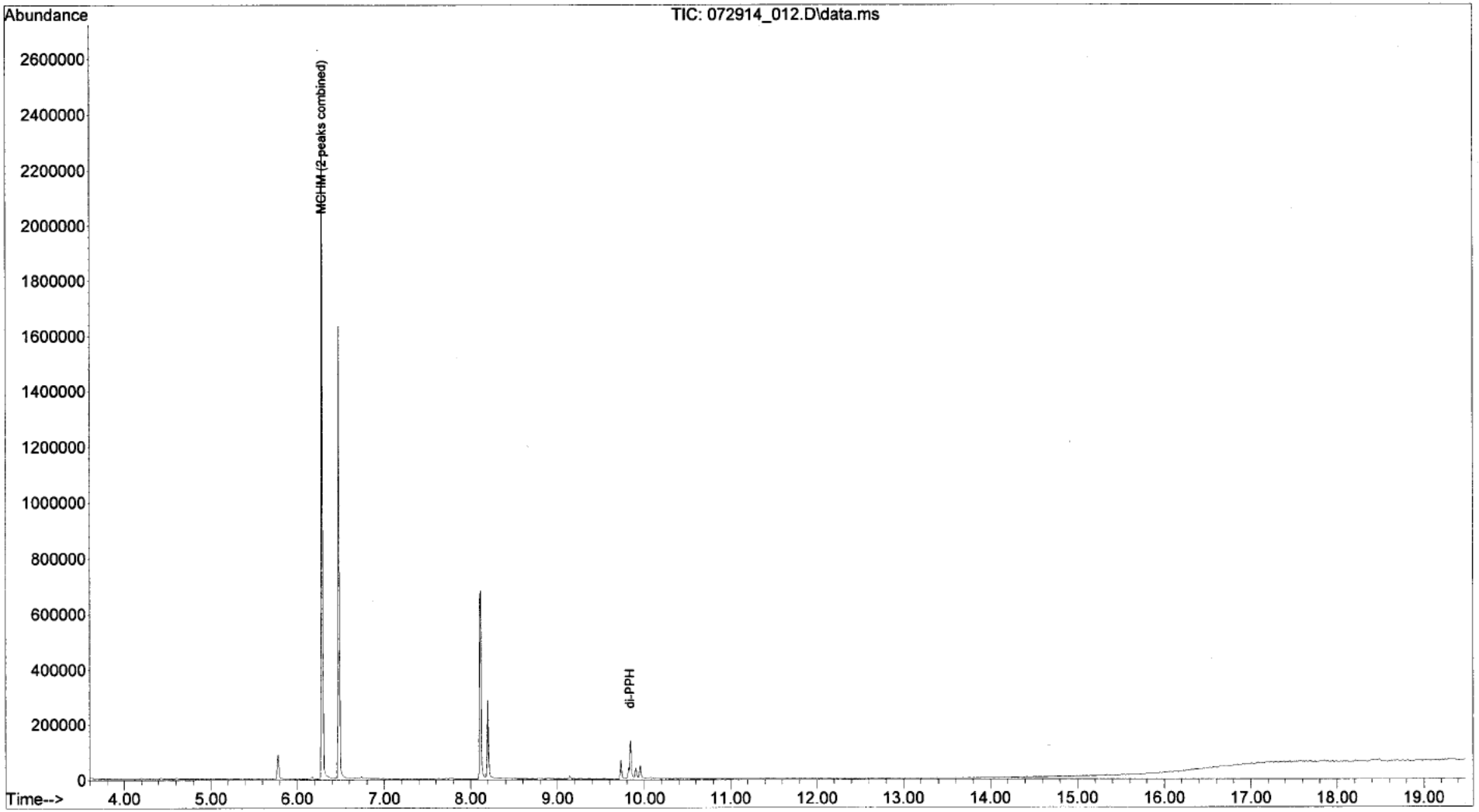
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.292	55	893984m	83.99 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D. d	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	93293m	39.02 ug/mL	

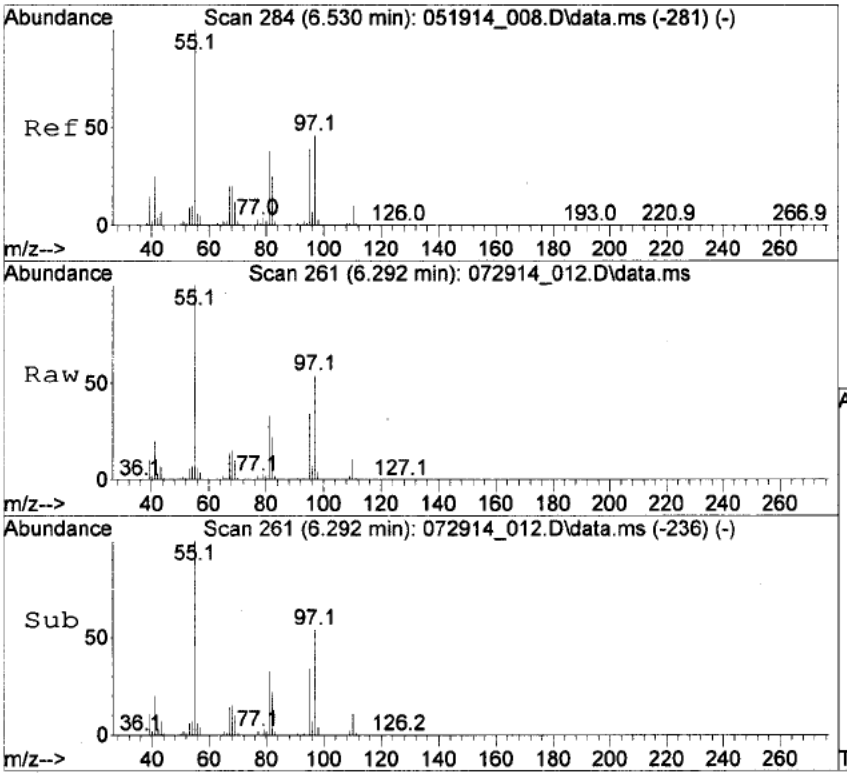
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_012.D
Acq On : 29 Jul 2014 3:31 pm
Operator : [redacted]
Sample : M405006-08
Misc : 5uL in 995uL MeCl2
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 15:53:01 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

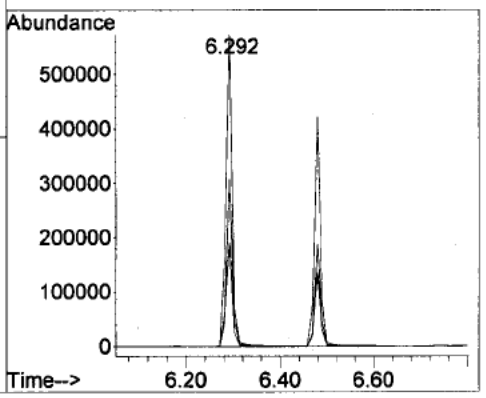


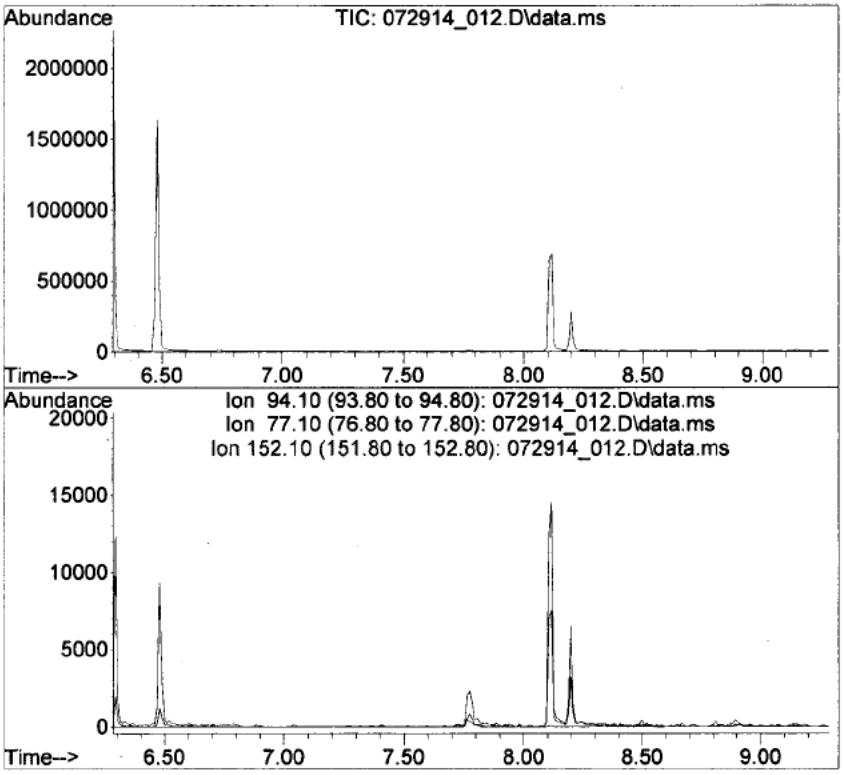


#2
MCHM (2 peaks combined)
Concen: 83.99 ug/mL m
RT: 6.292 min Scan# 261
Delta R.T. -0.238 min
Lab File: 072914_012.D
Acq: 29 Jul 2014 3:31 pm

Tgt Ion: 55 Resp: 893984

Ion	Ratio	Lower	Upper
55	100		
97	48.9	31.5	47.3#
81	32.6	24.2	36.4



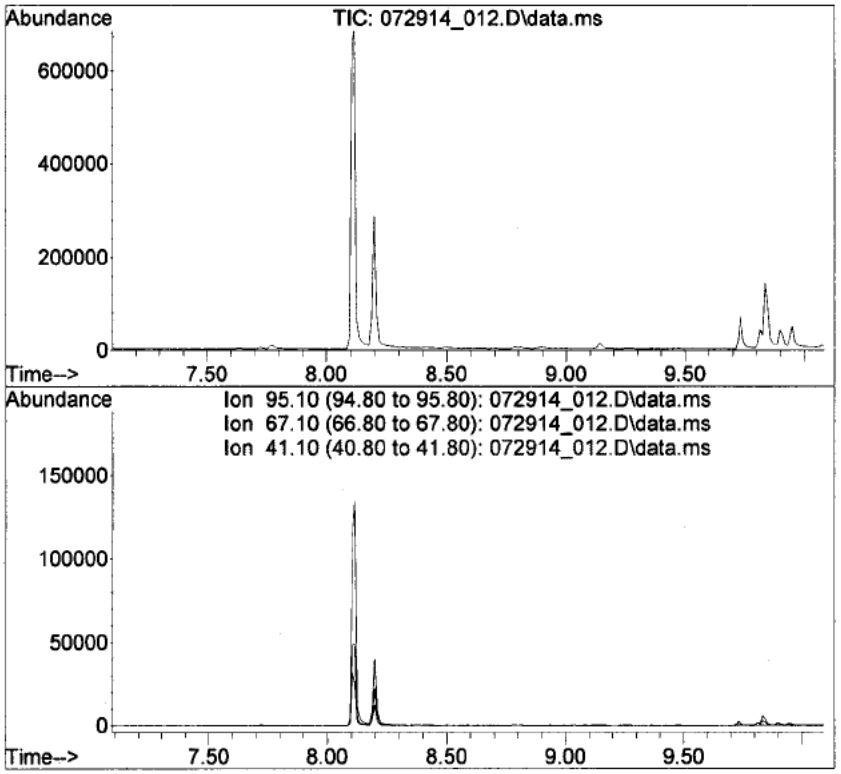


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_012.D
Acq: 29 Jul 2014 3:31 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

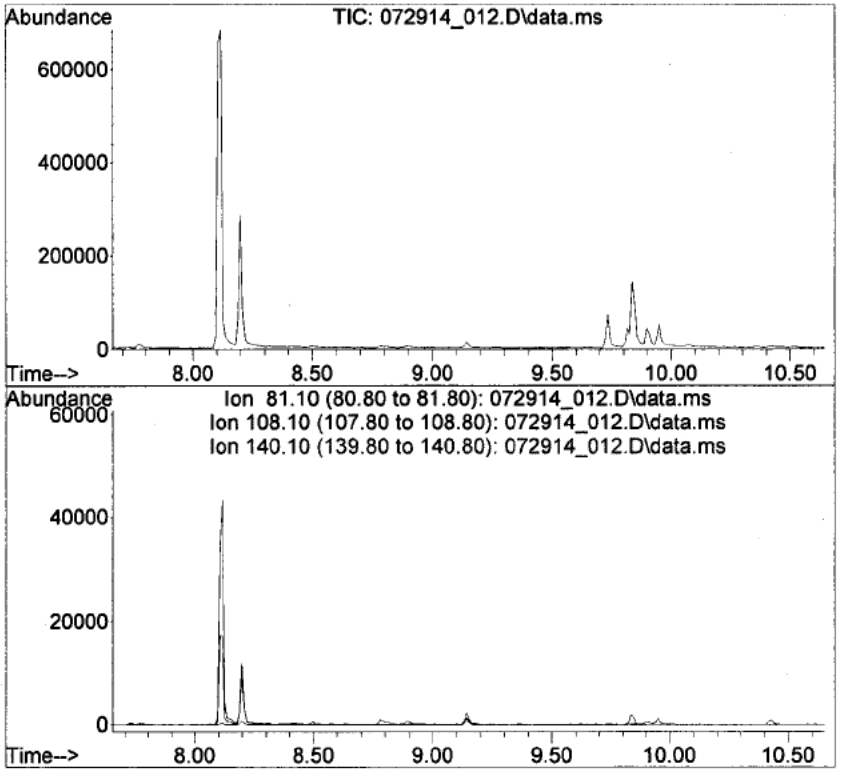


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_012.D
Acq: 29 Jul 2014 3:31 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

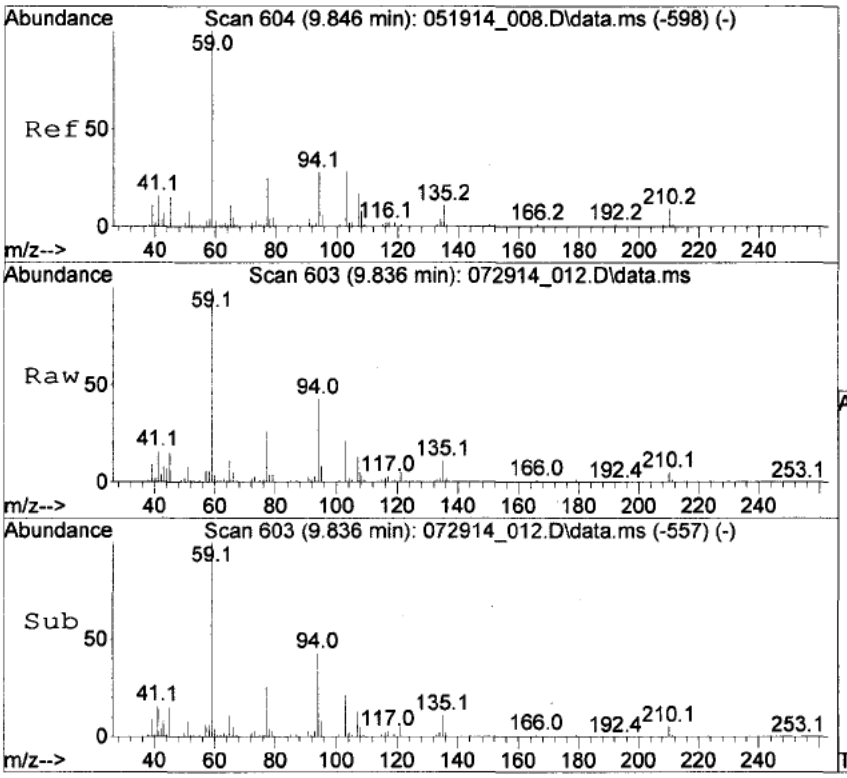


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 072914_012.D
Acq: 29 Jul 2014 3:31 pm

Tgt Ion: 81

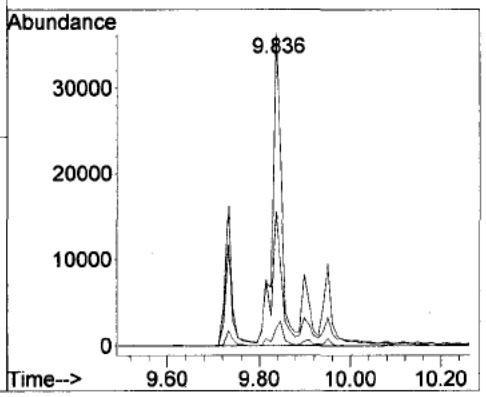
Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 39.02 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_012.D
Acq: 29 Jul 2014 3:31 pm

Tgt Ion: 59 Resp: 93293

Ion	Ratio	Lower	Upper
59	100		
94	56.3	24.0	36.0#
210	8.6	7.2	10.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\(b) (7)(C), [redacted]RP1581\
Data File : 072914_013.D
Acq On : 29 Jul 2014 4:01 pm
Operator : (b) (7) [redacted]
Sample : N405006-09
Misc : 5uL in 995uL MeCl2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 15:53:37 2014
Quant Method : C:\msdchem\1\METHODS(b) (7) [redacted]_RP1581_B.M
Quant Title : Freedom Industries (C) (b)
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

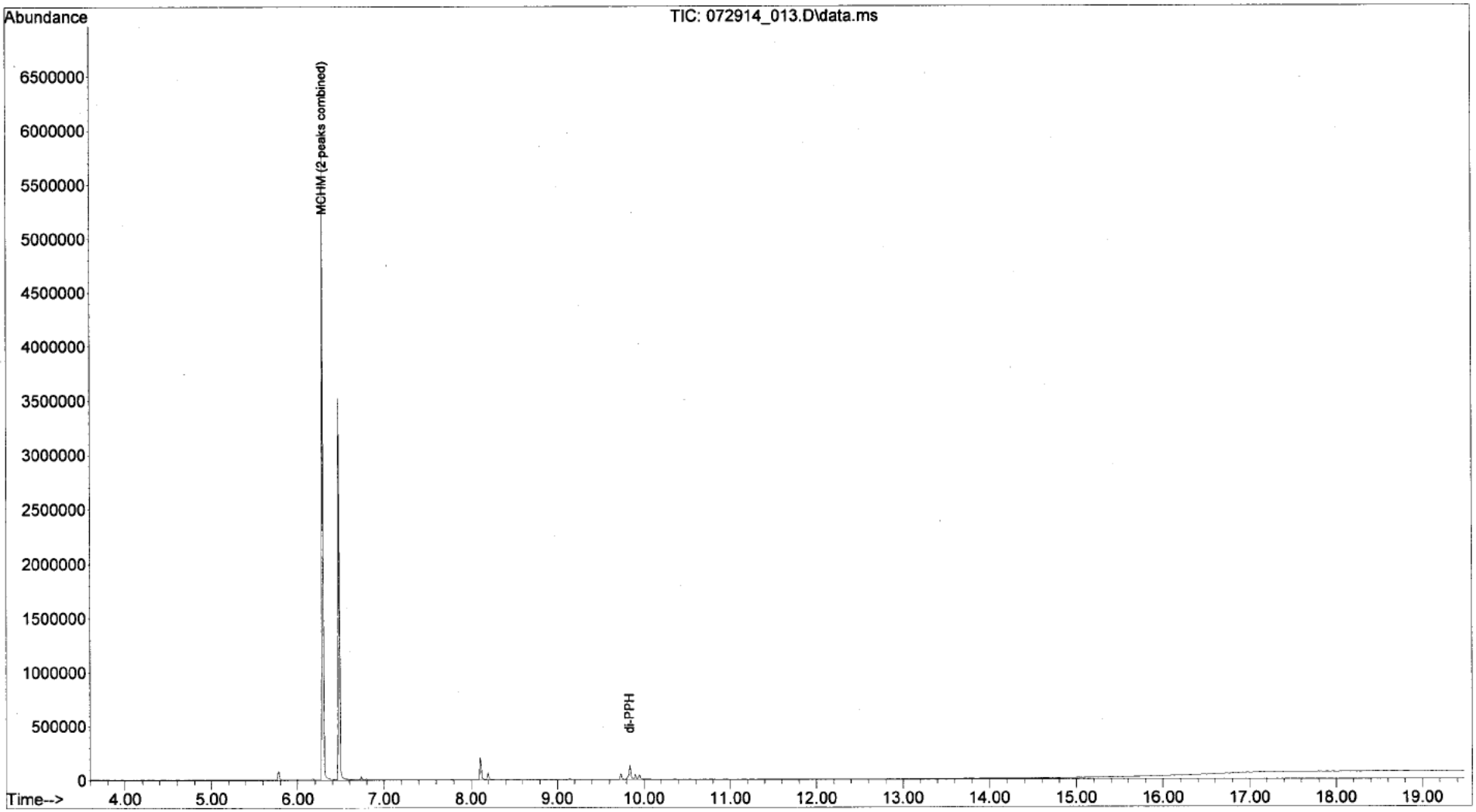
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) Cyclohexanol	0.000	57	0	0.00 ug/mL	
Target Compounds					Qvalue
2) MCHM (2 peaks combined)	6.292	55	2281096m	189.90 ug/mL	
3) PPH	0.000		0	N.D.	
4) 1,4-CHDM	0.000		0	N.D.	
5) DMCH-1,4-DC	0.000		0	N.D.	
6) di-PPH	9.836	59	85816m	38.48 ug/mL	

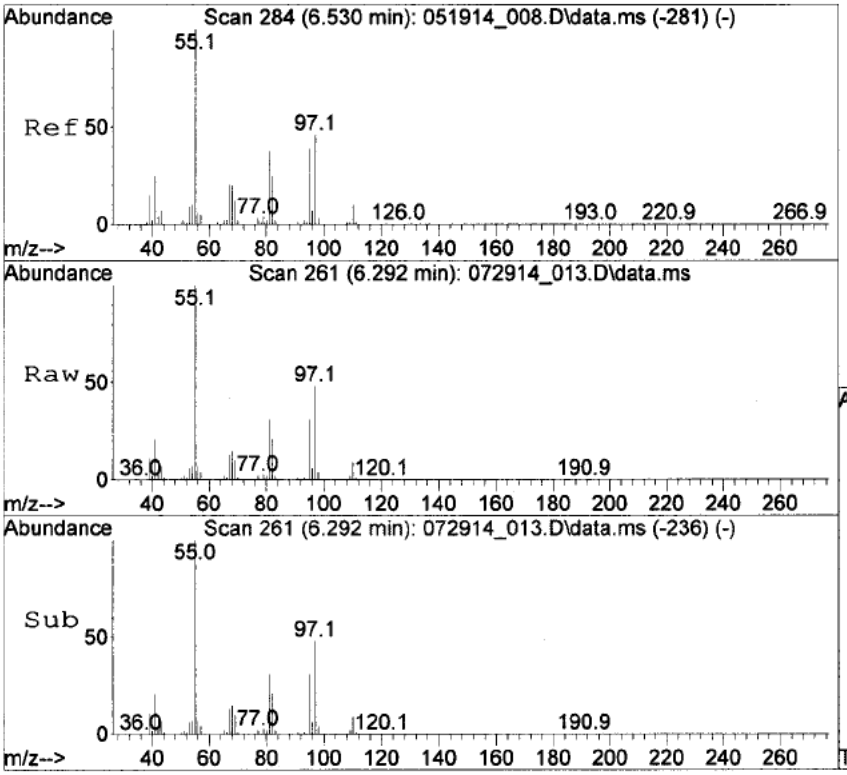
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\[redacted]RP1581\
Data File : 072914_013.D
Acq On : 29 Jul 2014 4:01 pm
Operator : [redacted]
Sample : N405006-09
Misc : 5uL in 995uL MeCl2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 15:53:37 2014
Quant Method : C:\msdchem\1\METHODS[redacted]_RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

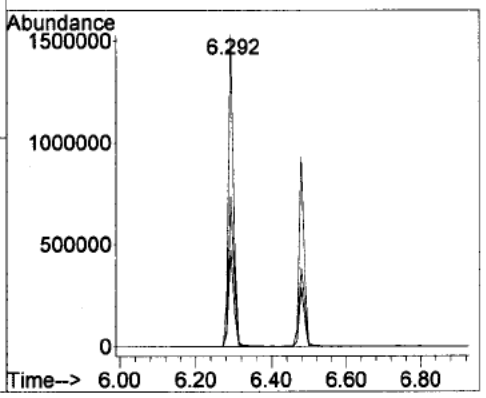


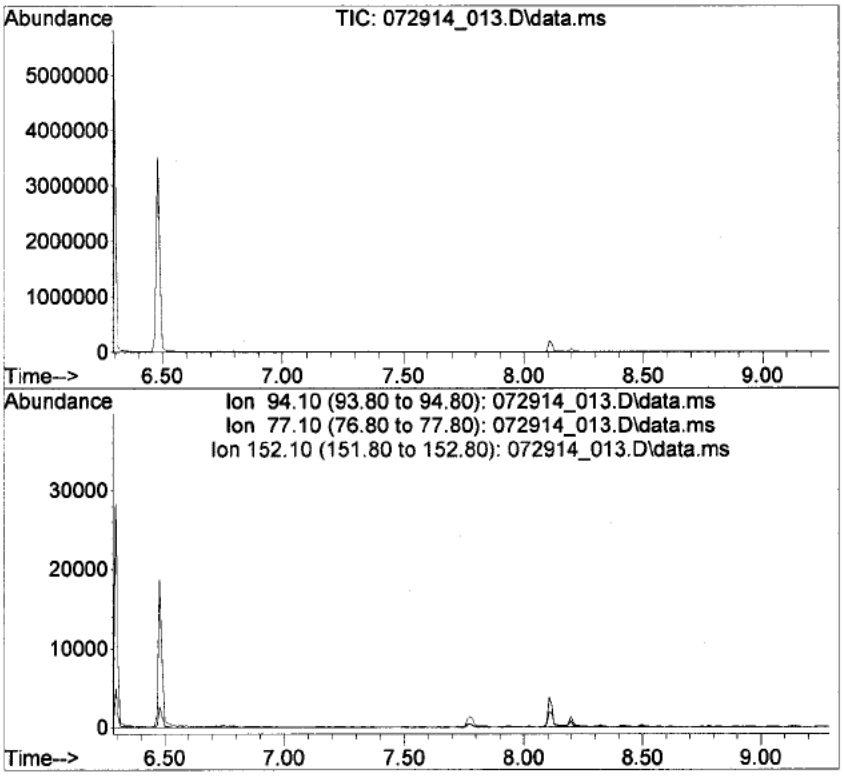


#2
MCHM (2 peaks combined)
Concen: 189.90 ug/mL m
RT: 6.292 min Scan# 261
Delta R.T. -0.238 min
Lab File: 072914_013.D
Acq: 29 Jul 2014 4:01 pm

Tgt Ion: 55 Resp: 2281096

Ion	Ratio	Lower	Upper
55	100		
97	48.4	31.5	47.3#
81	32.2	24.2	36.4



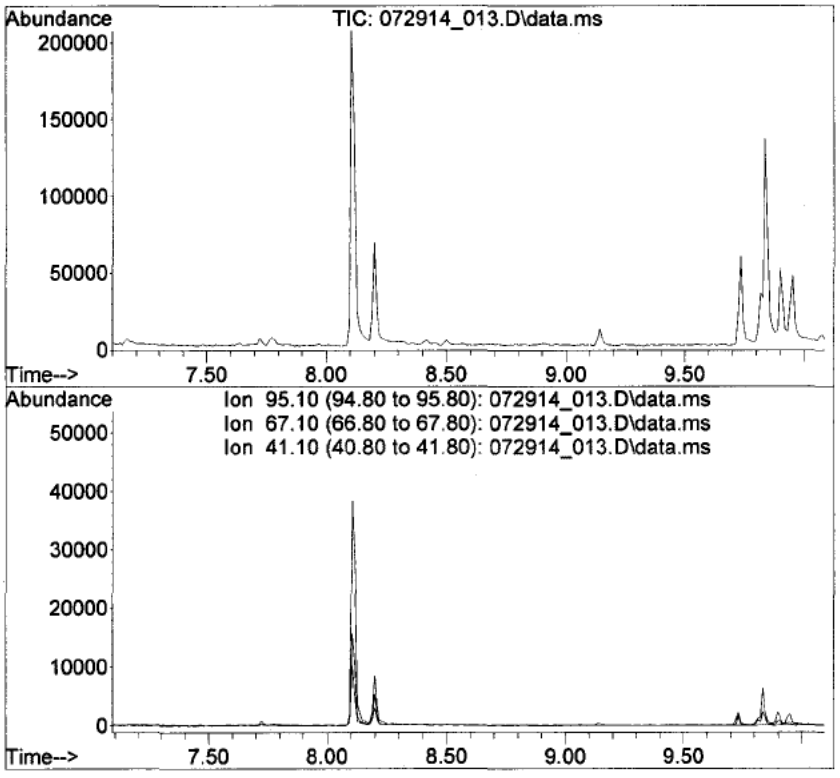


#3
PPH
Concen: N.D.
Expected RT: 7.78 min

Lab File: 072914_013.D
Acq: 29 Jul 2014 4:01 pm

Tgt Ion: 94

Sig	Exp Ratio
94	100
77	23.7
152	18.6

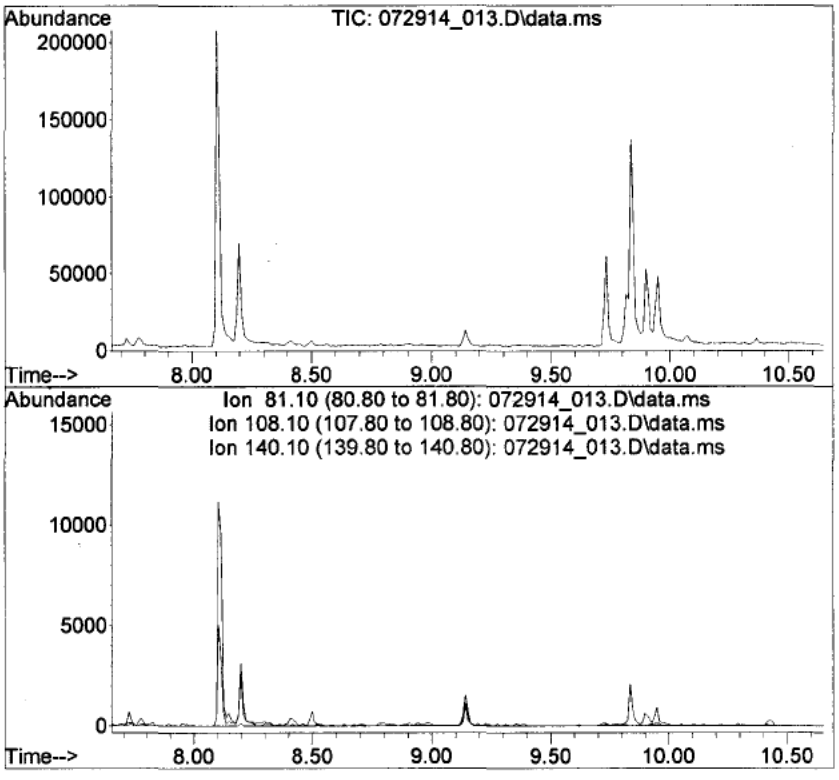


#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 072914_013.D
Acq: 29 Jul 2014 4:01 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
67	41.4
41	53.2

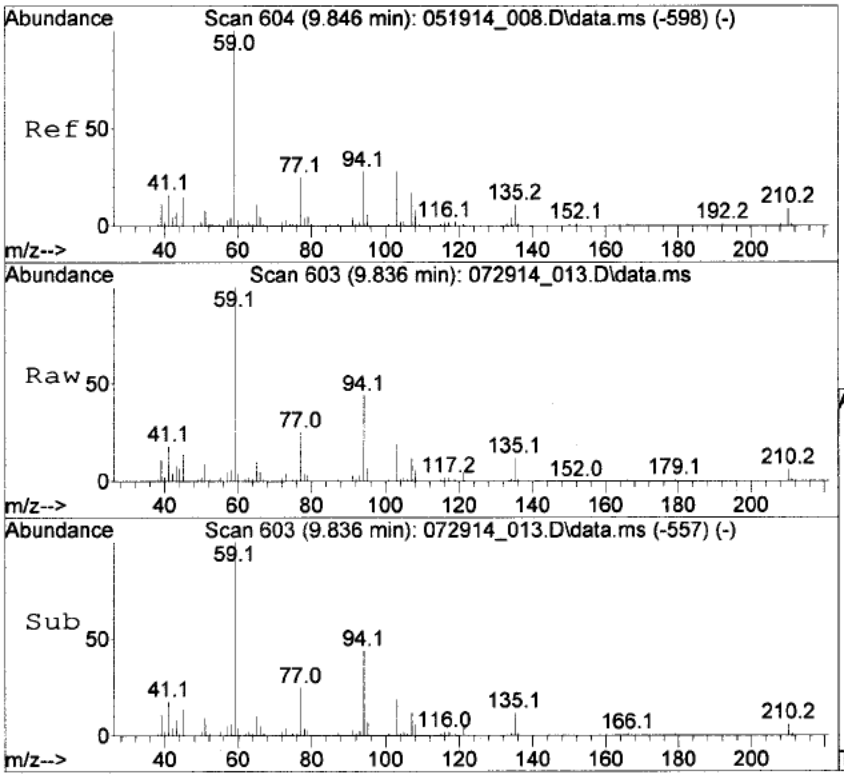


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

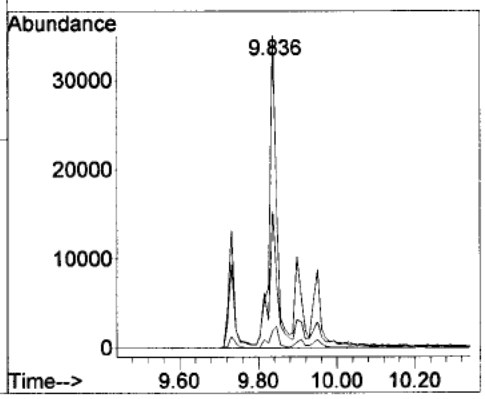
Lab File: 072914_013.D
Acq: 29 Jul 2014 4:01 pm

Tgt Ion: 81

Sig	Exp Ratio
81	100
108	36.2
140	63.6



#6
di-PPH
Concen: 38.48 ug/mL m
RT: 9.836 min Scan# 603
Delta R.T. -0.020 min
Lab File: 072914_013.D
Acq: 29 Jul 2014 4:01 pm

Tgt Ion: 59 Resp: 85816

Ion	Ratio	Lower	Upper
59	100		
94	56.2	24.0	36.0#
210	9.6	7.2	10.8