

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX022718\
 Data File : VX000154.D
 Acq On : 27 Feb 2018 19:42
 Operator : JC/MD
 Sample : J1683-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 Client Sampled :
 RFK-RMAB-MW10-GW

Manual Integrations
 APPROVED

apatel
 2/28/2018 3:55:00 PM

Quant Time: Feb 28 06:07:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	111347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	179500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	90786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.09	65	70146	50.45	ug/l	0.00
Spiked Amount						
			Recovery	=	100.90%	
35) Dibromofluoromethane	5.51	113	56013	49.44	ug/l	0.00
Spiked Amount						
			Recovery	=	98.88%	
50) Toluene-d8	8.73	98	216319	48.40	ug/l	0.00
Spiked Amount						
			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.15	95	80573	45.98	ug/l	0.00
Spiked Amount						
			Recovery	=	91.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	5729	10.69	ug/l #	91
16) Acetone	2.45	43	3758	4.17	ug/l	95
25) 2-Butanone	4.73	43	2769	2.20	ug/l #	78
39) Methylcyclohexane	7.47	83	2161	1.11	ug/l	87
40) Benzene	6.15	78	6625	1.44	ug/l	96
52) Toluene	8.79	92	1561	0.51	ug/l	99
67) Ethyl Benzene	10.26	91	48903	8.37	ug/l	98
68) m/p-Xylenes	10.37	106	14725	6.36	ug/l	97
69) o-Xylene	10.71	106	42003	18.82	ug/l	98
73) Isopropylbenzene	11.02	105	12621	2.19	ug/l	95
78) n-propylbenzene	11.37	91	37434	5.52	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	355694	73.12	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	500761	99.15	ug/l	99
85) sec-Butylbenzene	11.96	105	12346m	2.02	ug/l	
95) Naphthalene	13.84	128	583767	77.94	ug/l	98

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

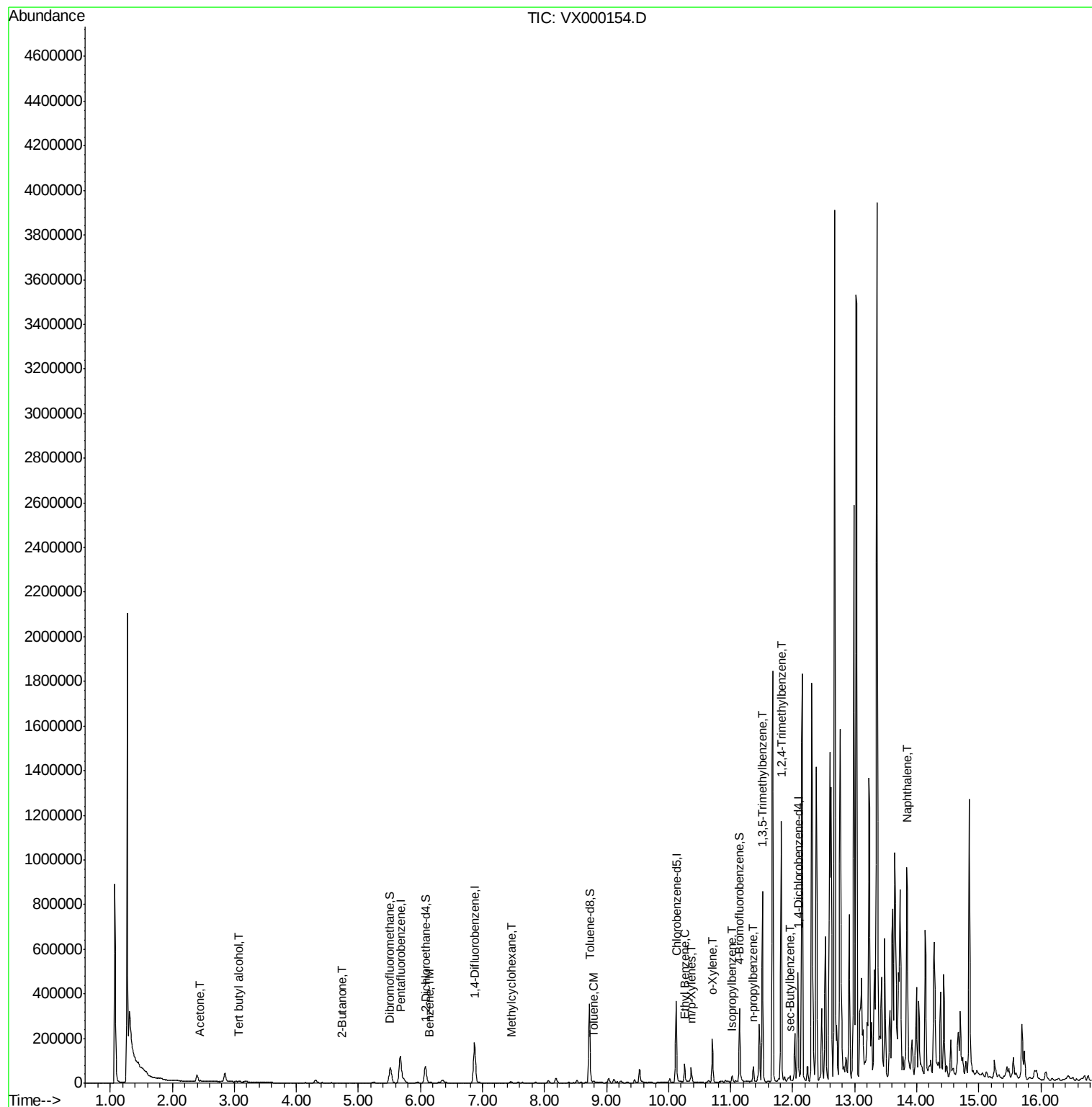
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

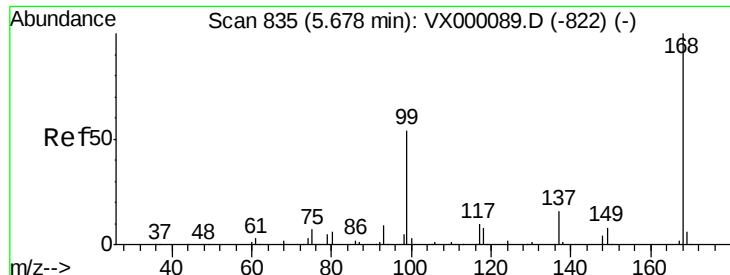
Instrument :
ClientSampled :
RFK-RMAB-MW10-GW

Manual Integrations
APPROVED

apatel
2/28/2018 3:55:00 PM

Quant Time: Feb 28 06:07:15 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

Instrument :

ClientSampleId :

RFK-RMAB-MW10-GW

Tot Ion:168 Resp: 111347

Ion Ratio Lower Upper

168 100

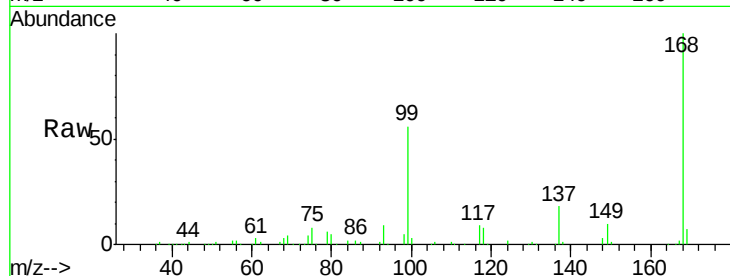
99 55.8 43.1 64.7

Manual Integrations

APPROVED

apatel

2/28/2018 3:55:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

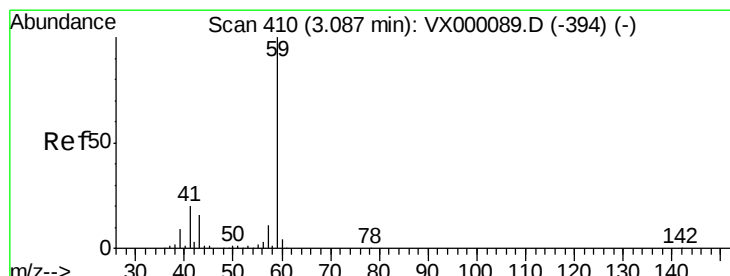
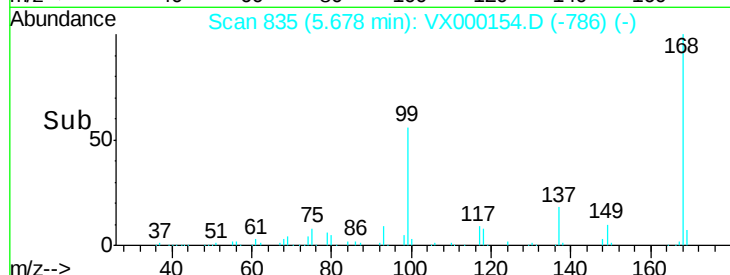
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.69 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX000154.D

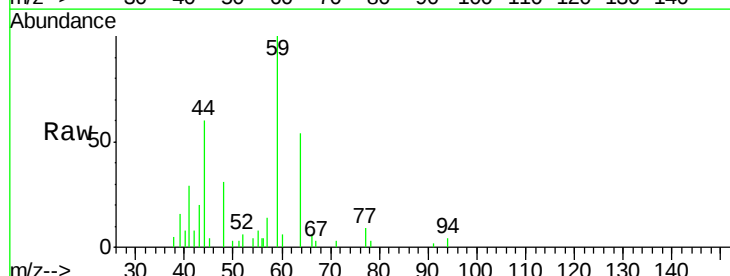
Acq: 27 Feb 2018 19:42

Tgt Ion: 59 Resp: 5729

Ion Ratio Lower Upper

59 100

57 13.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

2500

2000

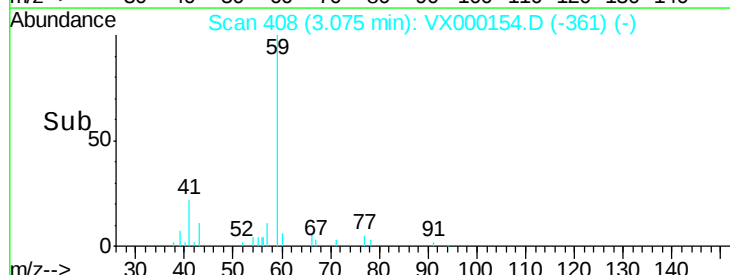
1500

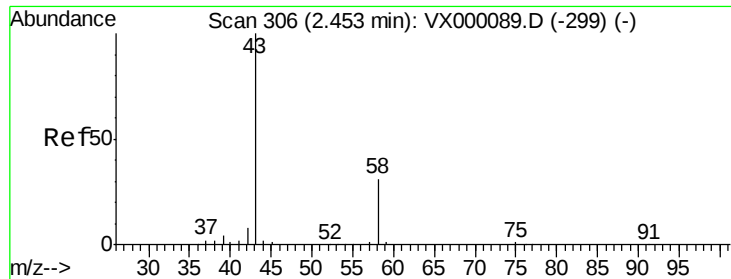
1000

500

0

Time-->





#16

Acetone

Concen: 4.17 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

Instrument :

ClientSampled :

RFK-RMAB-MW10-GW

Tot Ion: 43 Resp: 3758

Ion Ratio Lower Upper

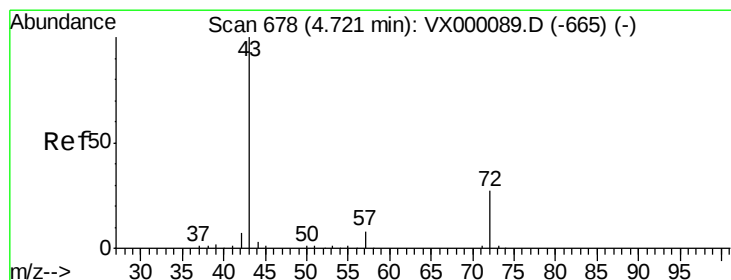
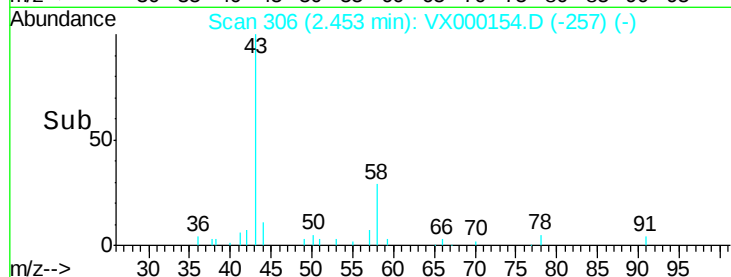
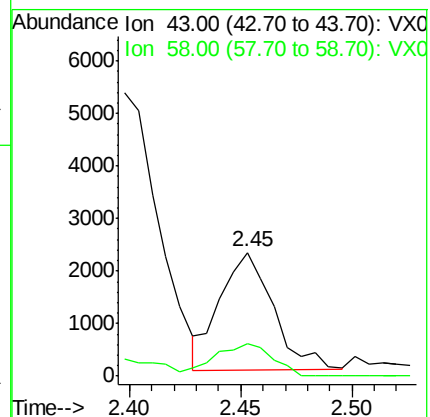
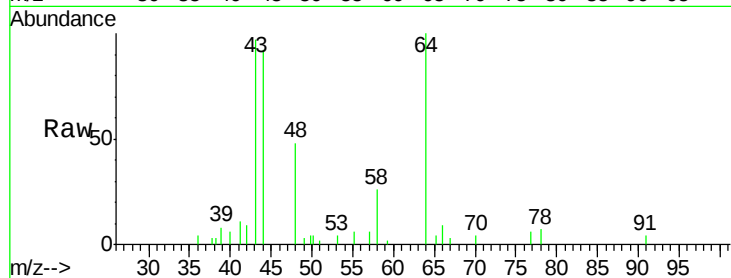
43 100

58 28.4 25.0 37.4

Manual Integrations
APPROVED

apatel

2/28/2018 3:55:00 PM



#25

2-Butanone

Concen: 2.20 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000154.D

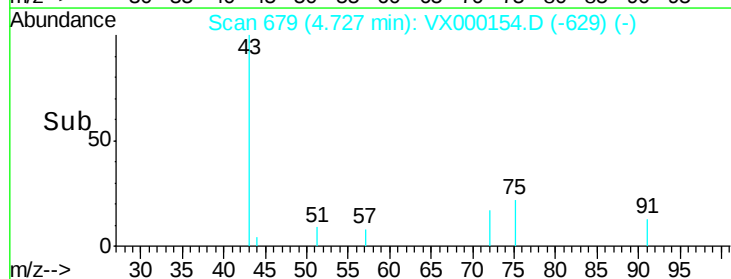
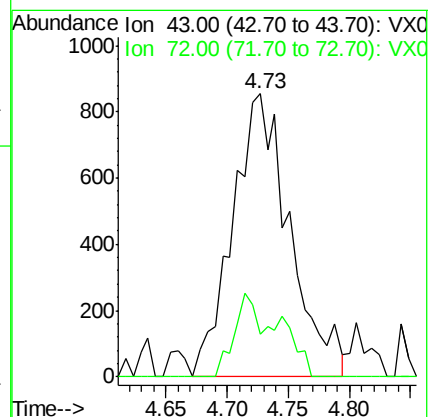
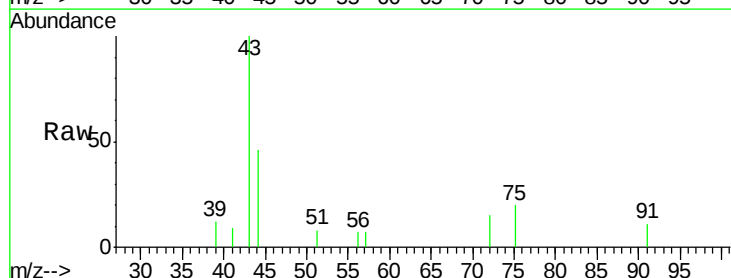
Acq: 27 Feb 2018 19:42

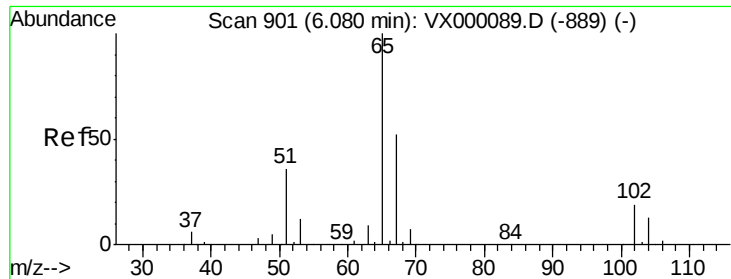
Tgt Ion: 43 Resp: 2769

Ion Ratio Lower Upper

43 100

72 15.2 21.3 31.9#





#33

1,2-Dichloroethane-d4

Concen: 50.45 ug/l

RT: 6.09 min Scan# 902

Delta R.T. 0.01 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

Instrument :

ClientSampled :

RFK-RMAB-MW10-GW

Tot Ion: 65 Resp: 70146

Ion Ratio Lower Upper

65 100

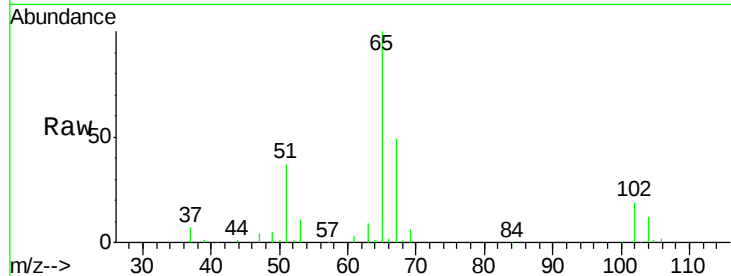
67 52.0 0.0 104.8

Manual Integrations

APPROVED

apatel

2/28/2018 3:55:00 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.09

25000

20000

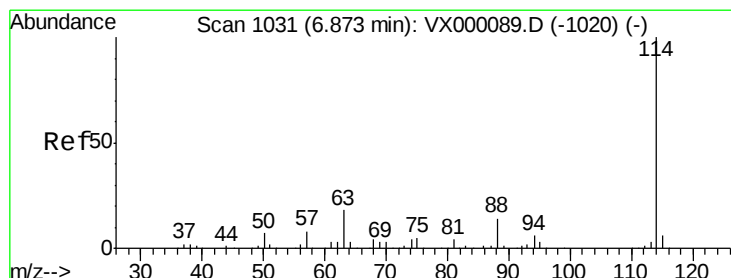
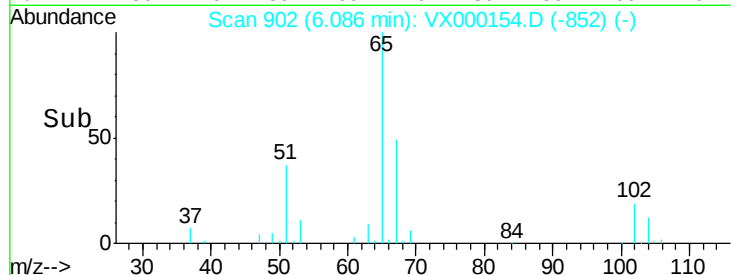
15000

10000

5000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

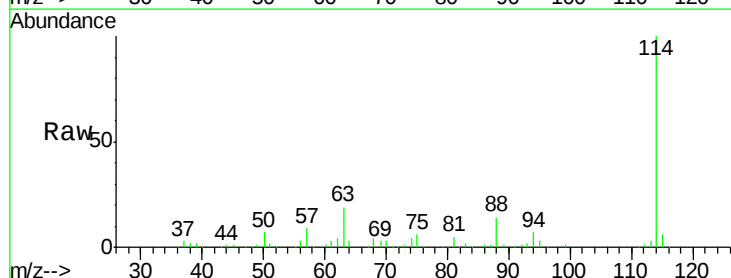
Tgt Ion: 114 Resp: 179500

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 14.3 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.87

100000

80000

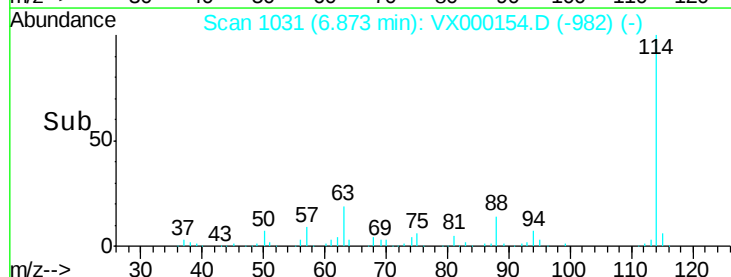
60000

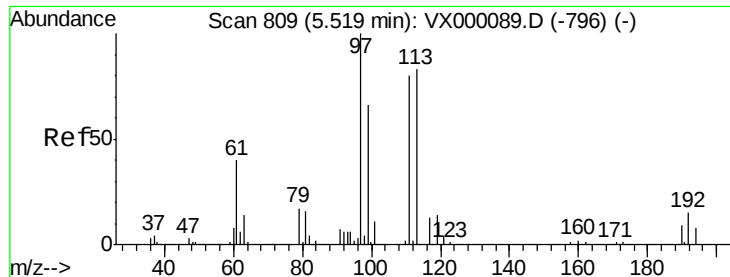
40000

20000

0

Time-->





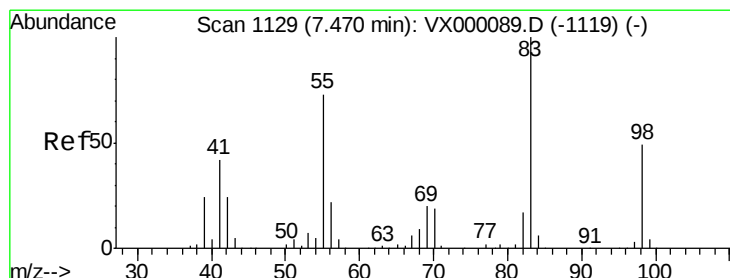
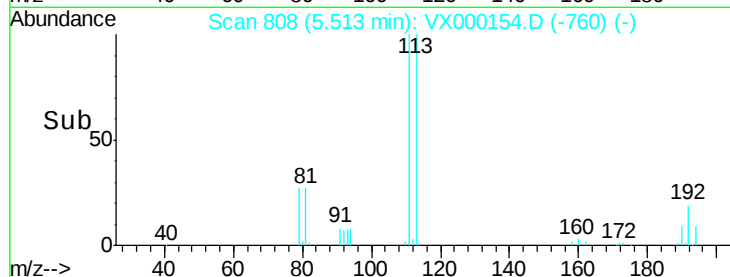
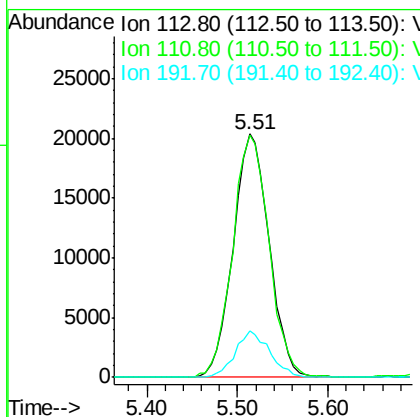
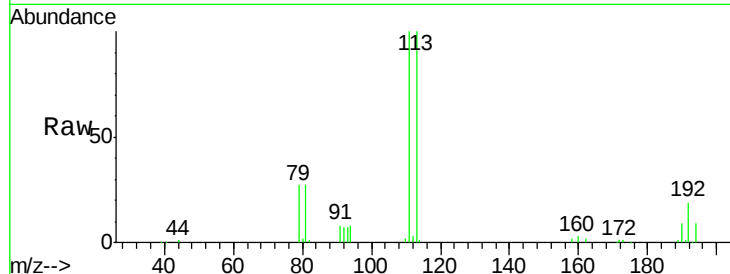
#35
 Dibromofluoromethane
 Concen: 49.44 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000154.D
 Acq: 27 Feb 2018 19:42

Instrument :
 ClientSampled :
 RFK-RMAB-MW10-GW

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.0	121.6
192	18.2	15.7	23.5

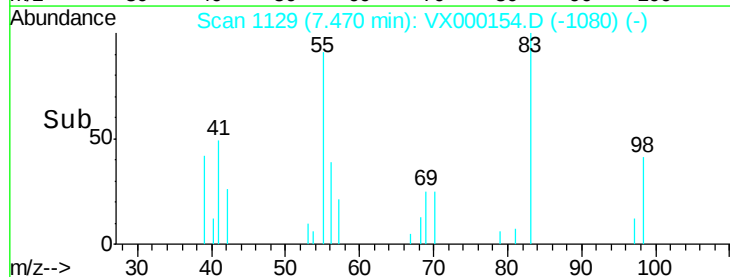
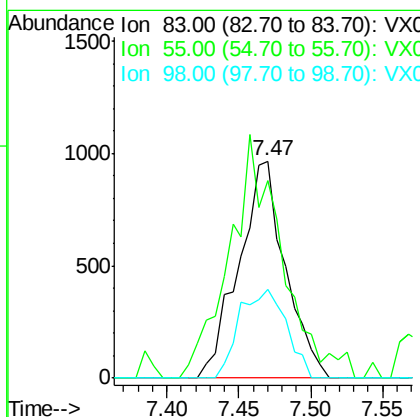
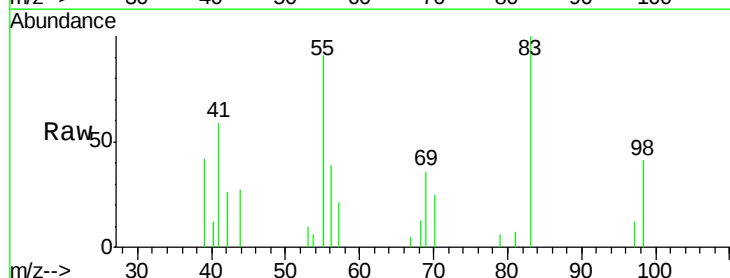
Manual Integrations
 APPROVED

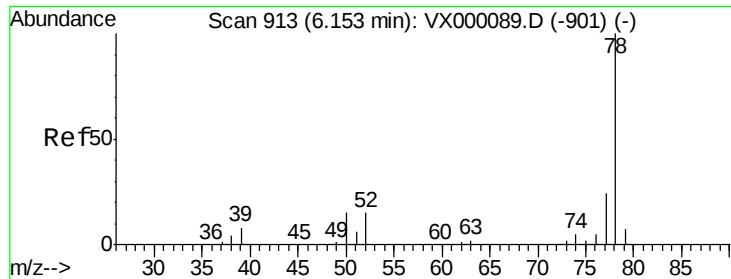
apatel
 2/28/2018 3:55:00 PM



#39
 Methylcyclohexane
 Concen: 1.11 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VX000154.D
 Acq: 27 Feb 2018 19:42

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.1	58.2	87.2
98	41.0	39.0	58.6





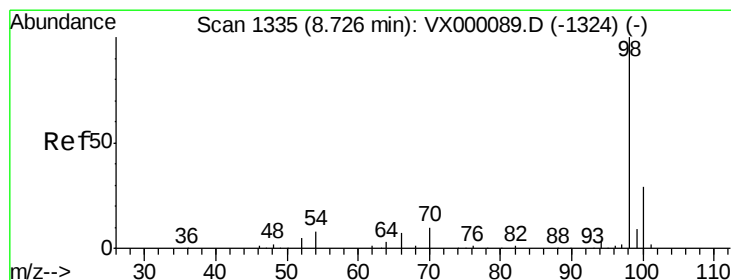
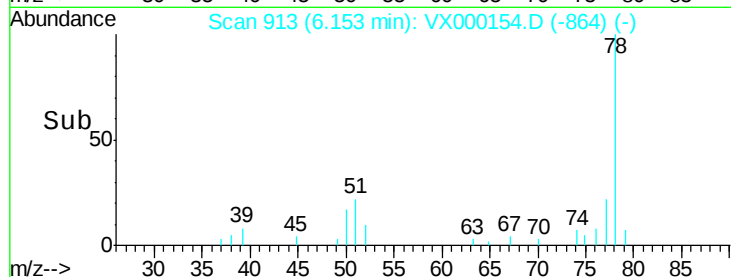
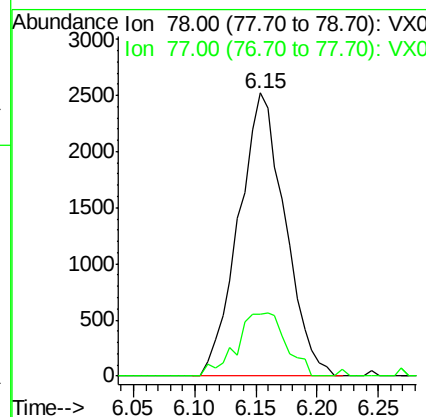
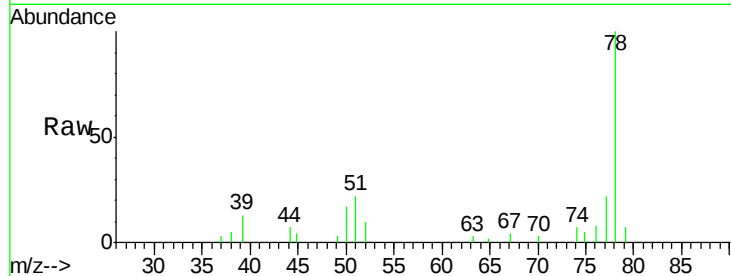
#40
Benzene
Concen: 1.44 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000154.D
Acq: 27 Feb 2018 19:42

Instrument :
ClientSampleId :
RFK-RMAB-MW10-GW

Tot Ion: 78 Resp: 6625
Ion Ratio Lower Upper
78 100
77 22.1 19.4 29.0

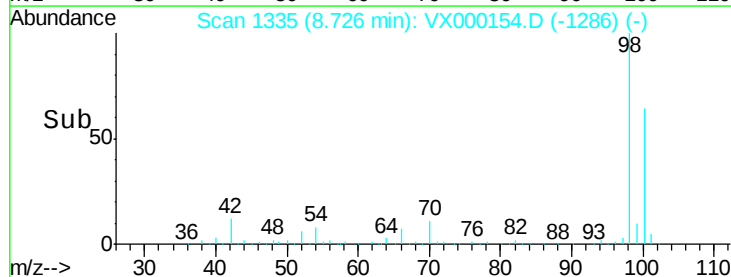
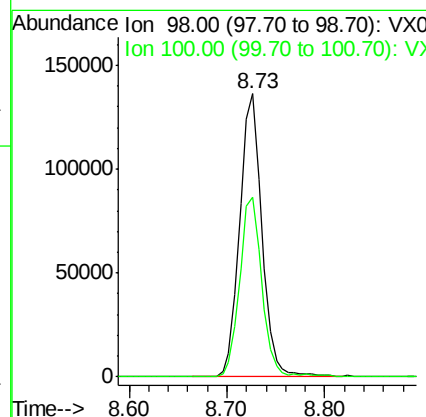
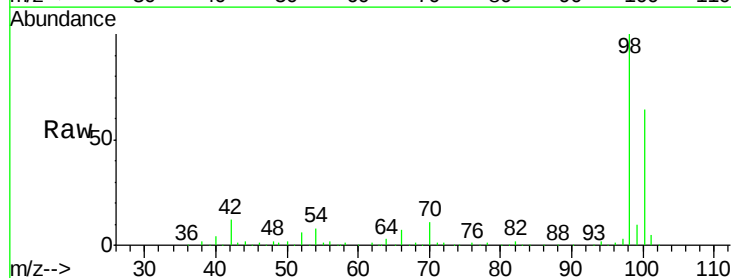
Manual Integrations
APPROVED

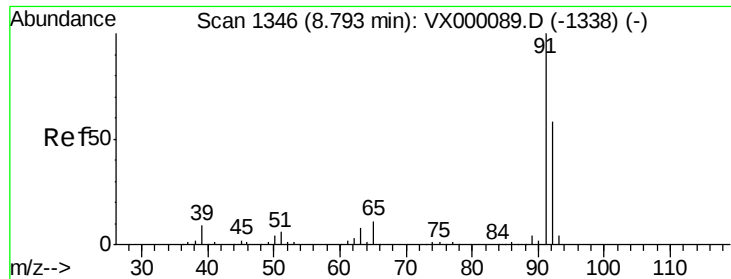
apatel
2/28/2018 3:55:00 PM



#50
Toluene-d8
Concen: 48.40 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000154.D
Acq: 27 Feb 2018 19:42

Tgt Ion: 98 Resp: 216319
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2





#52

Toluene

Concen: 0.51 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

Instrument :
ClientSampled :
RFK-RMAB-MW10-GW

Tot Ion: 92 Resp: 1561

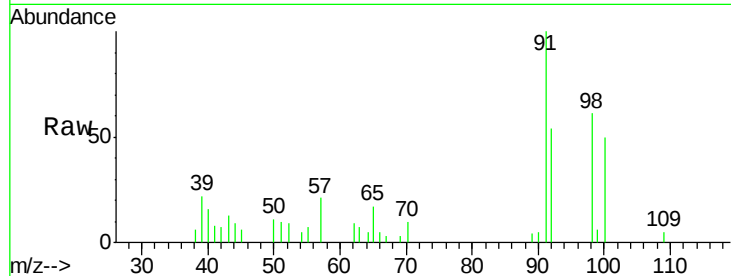
Ion Ratio Lower Upper

92 100

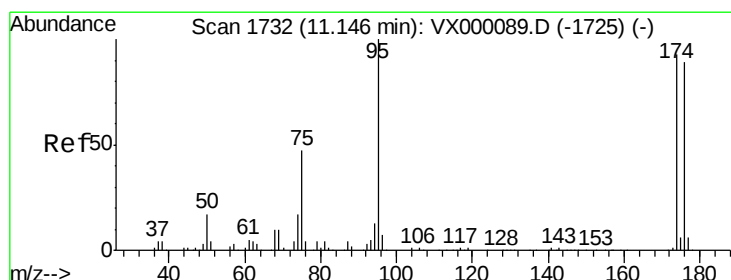
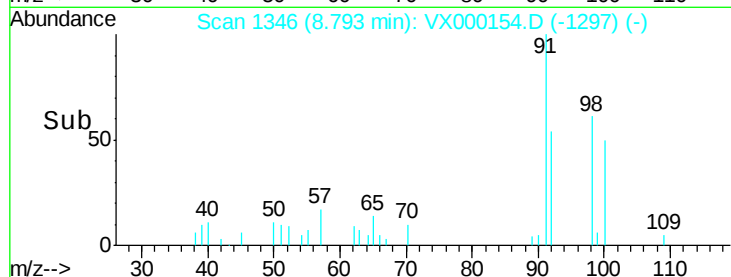
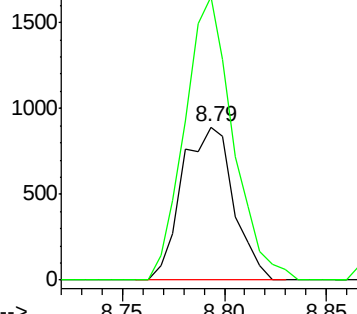
91 173.8 139.8 209.6

Manual Integrations
APPROVED

apatel
2/28/2018 3:55:00 PM



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

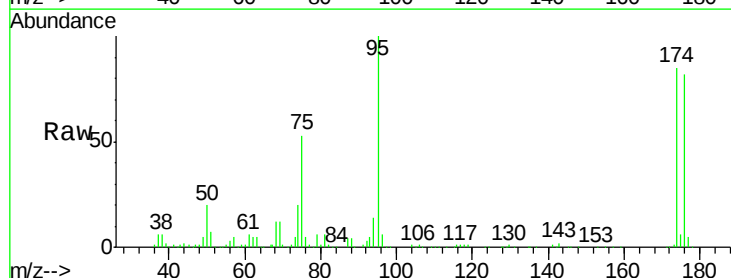
Tgt Ion: 95 Resp: 80573

Ion Ratio Lower Upper

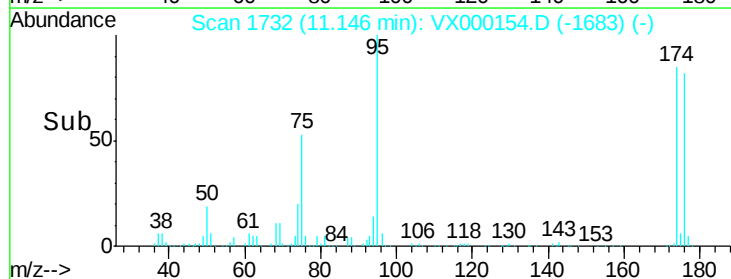
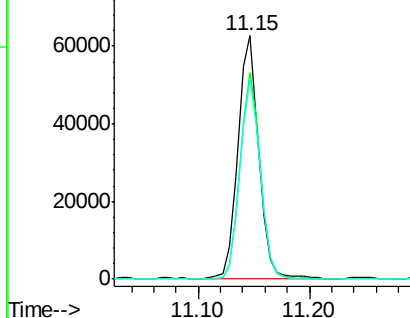
95 100

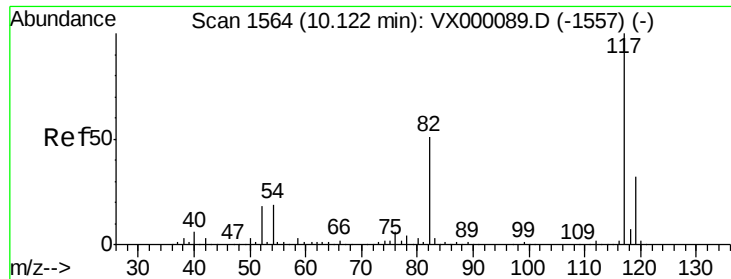
174 83.1 0.0 187.8

176 80.2 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V





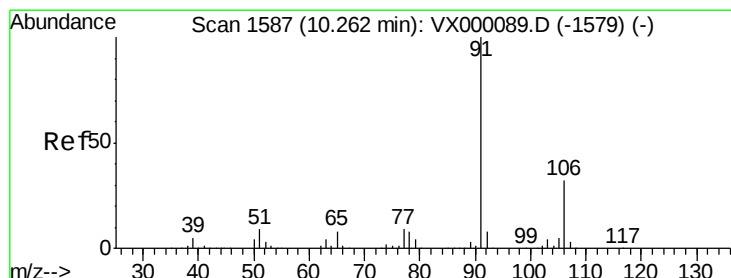
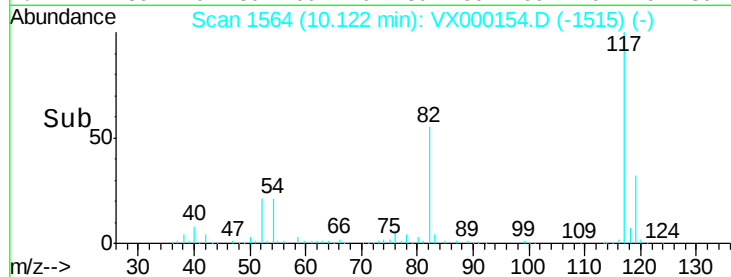
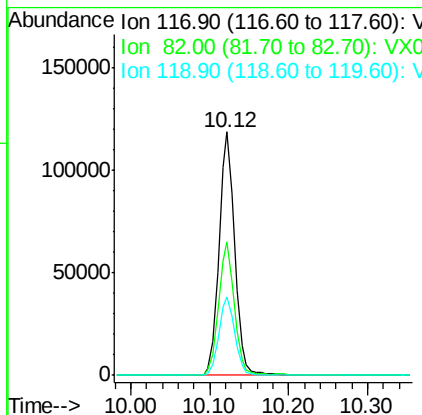
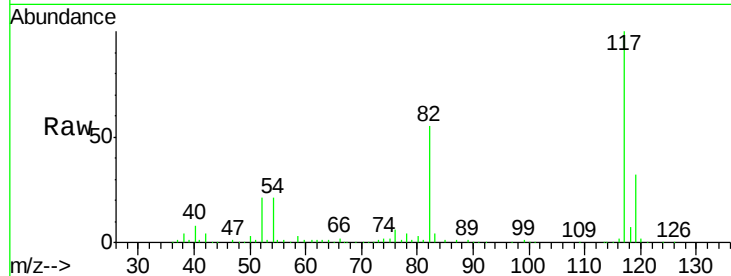
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000154.D
Acq: 27 Feb 2018 19:42

Instrument :
ClientSampled :
RFK-RMAB-MW10-GW

Tot Ion	Ratio	Resp	Lower	Upper
117	100	164886		
82	54.9	41.0	61.6	
119	32.3	25.5	38.3	

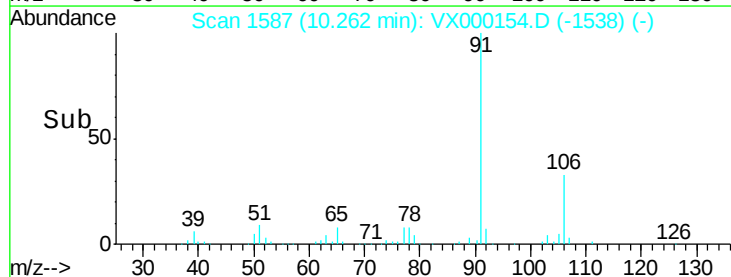
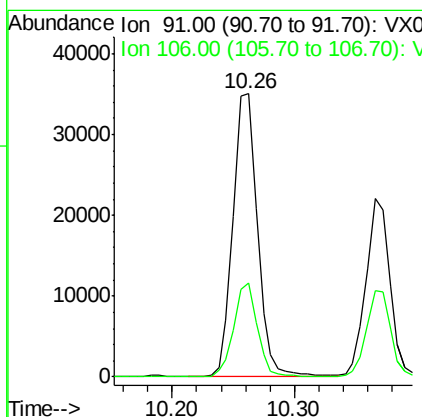
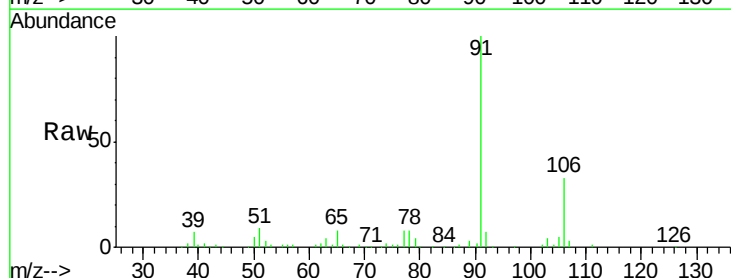
Manual Integrations
APPROVED

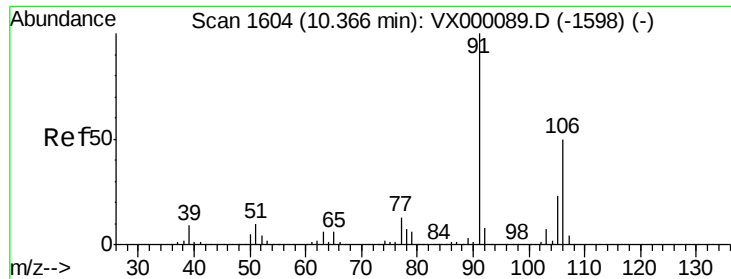
apatel
2/28/2018 3:55:00 PM



#67
Ethyl Benzene
Concen: 8.37 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000154.D
Acq: 27 Feb 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	48903		
106	33.4	25.8	38.6	





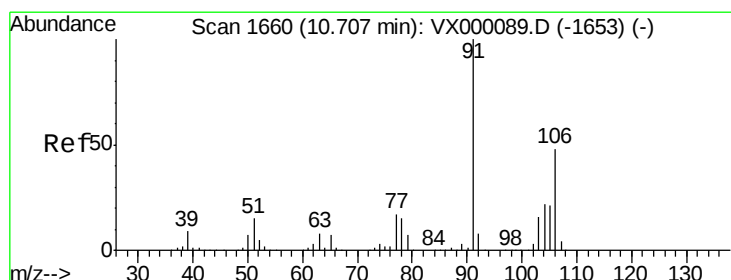
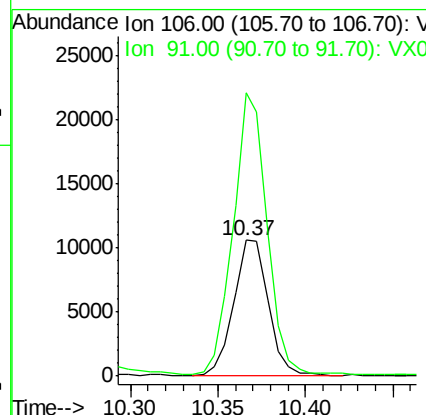
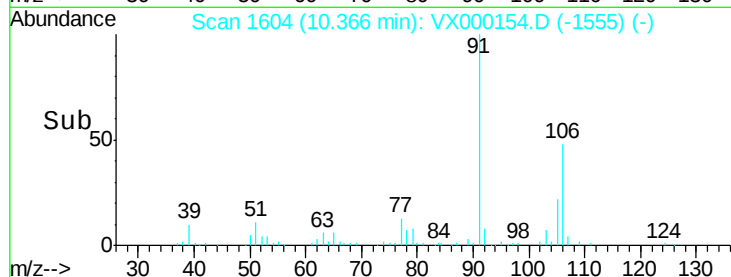
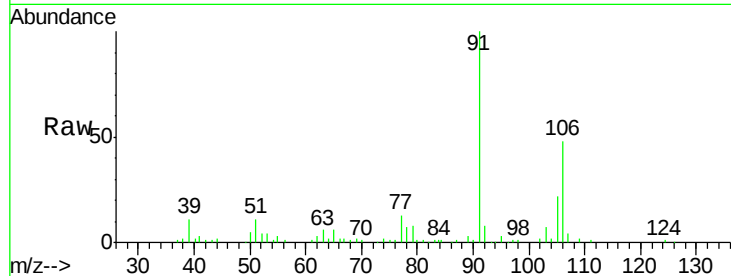
#68
m/p-Xvlenes
Concen: 6.36 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000154.D
Acq: 27 Feb 2018 19:42

Instrument :
ClientSampled :
RFK-RMAB-MW10-GW

Tot Ion:106 Resp: 14725
Ion Ratio Lower Upper
106 100
91 203.4 159.1 238.7

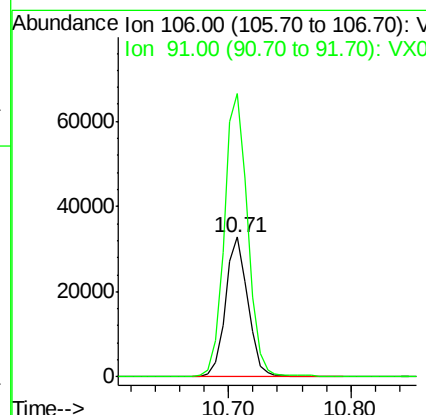
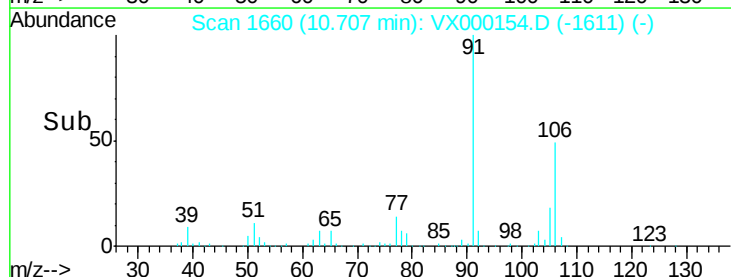
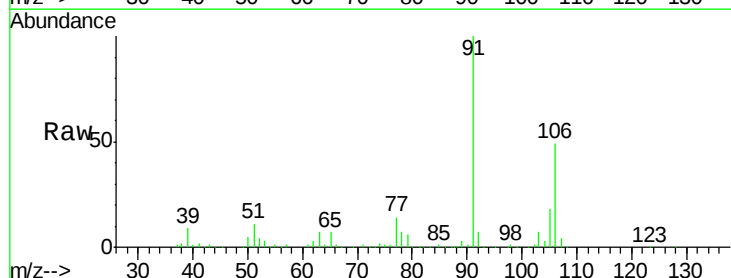
Manual Integrations
APPROVED

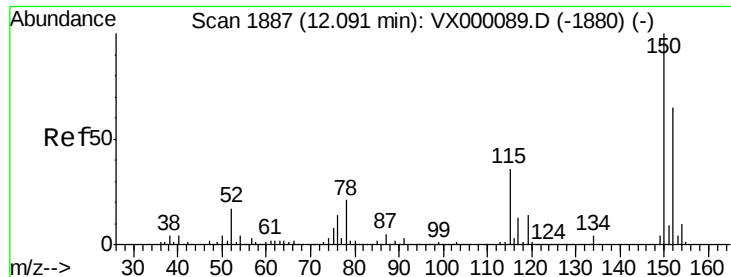
apatel
2/28/2018 3:55:00 PM



#69
o-Xylene
Concen: 18.82 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000154.D
Acq: 27 Feb 2018 19:42

Tgt Ion:106 Resp: 42003
Ion Ratio Lower Upper
106 100
91 210.1 103.8 311.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

Instrument :

ClientSampled :

RFK-RMAB-MW10-GW

Tot Ion:152 Resp: 90786

Ion Ratio Lower Upper

152 100

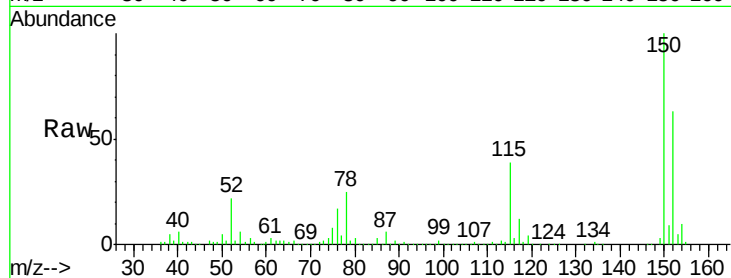
115 61.8 39.1 117.2

150 159.5 0.0 348.2

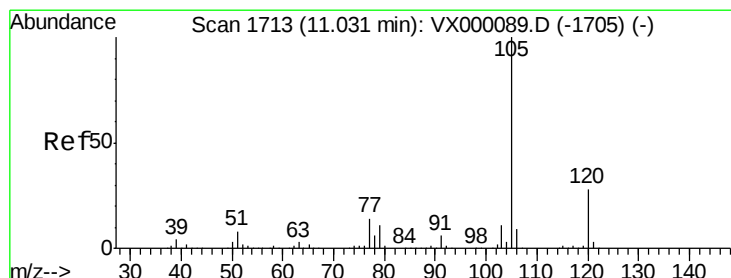
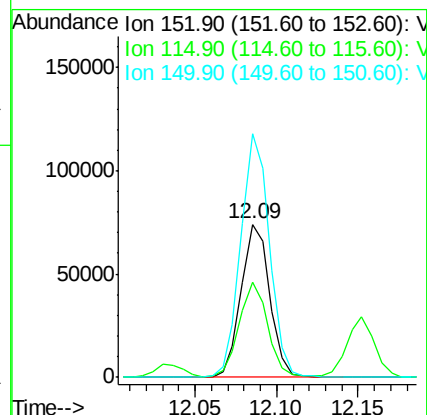
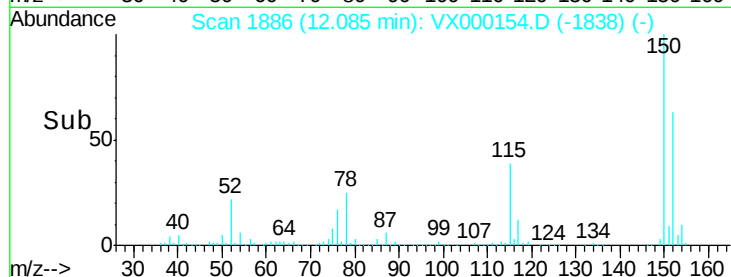
Manual Integrations
APPROVED

apatel

2/28/2018 3:55:00 PM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.19 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000154.D

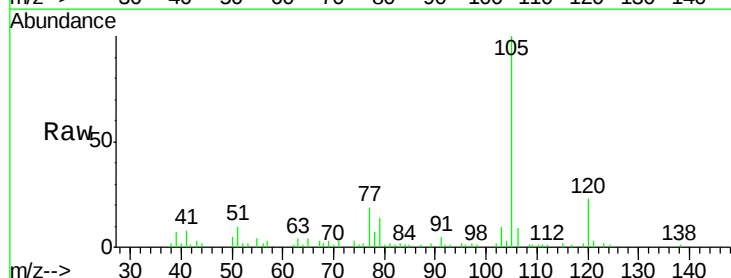
Acq: 27 Feb 2018 19:42

Tgt Ion:105 Resp: 12621

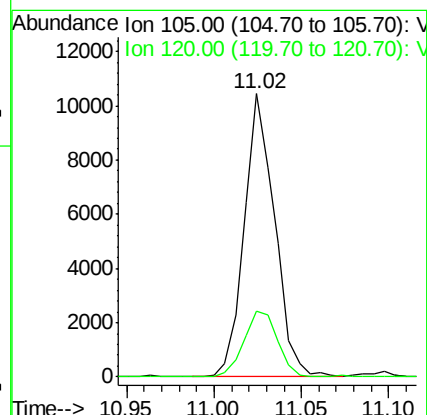
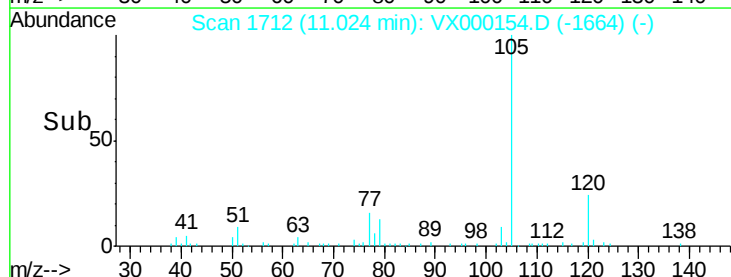
Ion Ratio Lower Upper

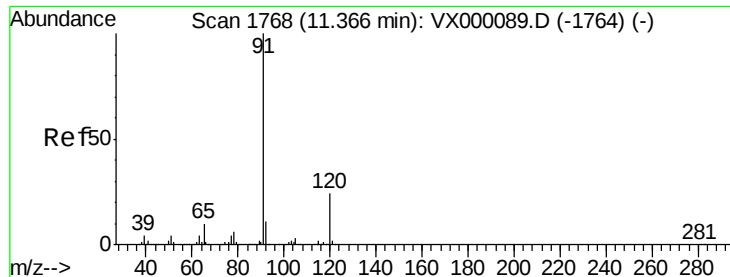
105 100

120 25.5 14.0 42.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.52 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

Instrument :

ClientSampled :

RFK-RMAB-MW10-GW

Tot Ion: 91 Resp: 37434

Ion Ratio Lower Upper

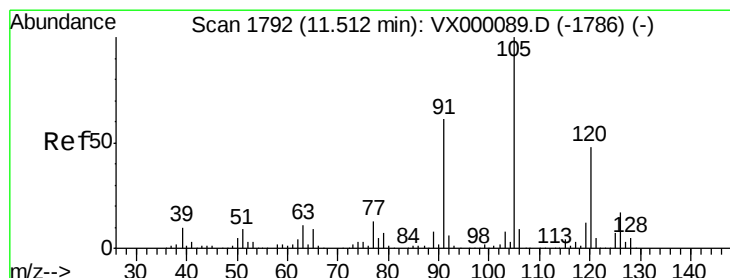
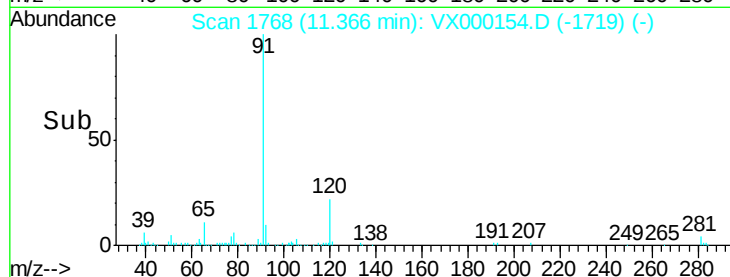
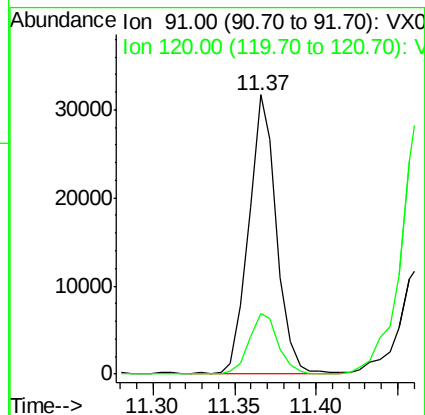
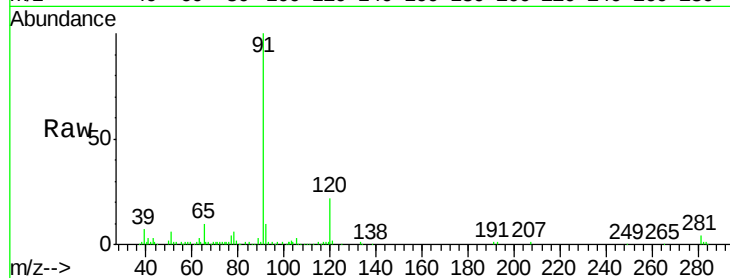
91 100

120 22.8 12.3 36.9

Manual Integrations
APPROVED

apatel

2/28/2018 3:55:00 PM



#80

1,3,5-Trimethylbenzene

Concen: 73.12 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000154.D

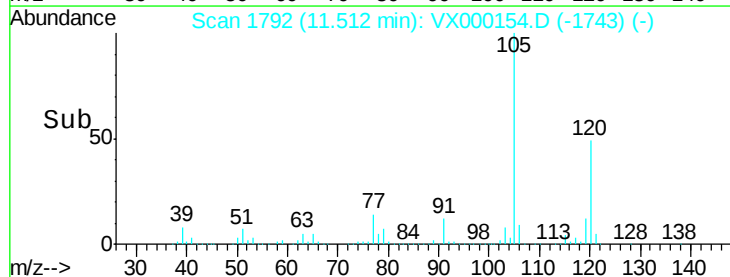
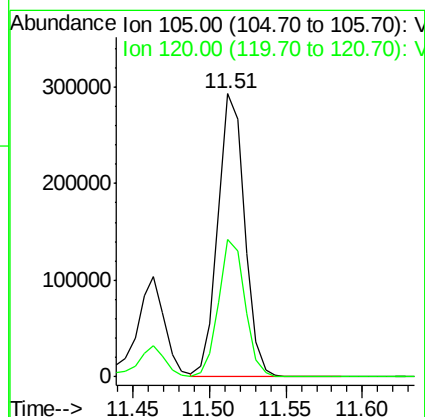
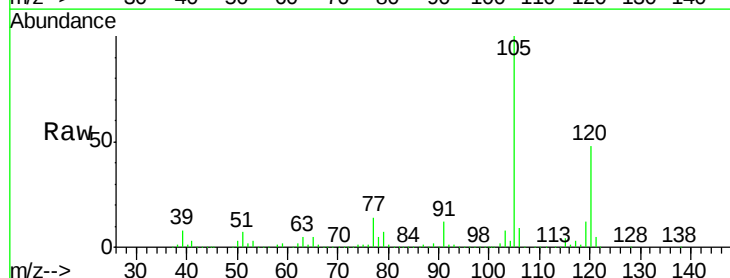
Acq: 27 Feb 2018 19:42

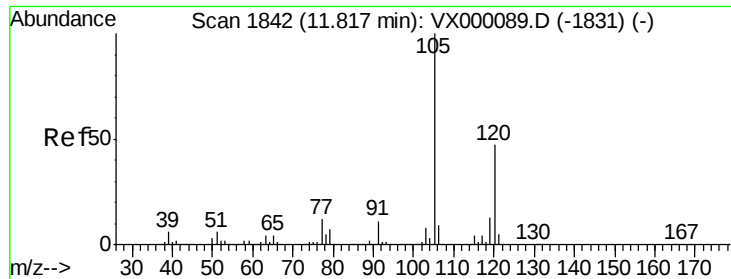
Tgt Ion: 105 Resp: 355694

Ion Ratio Lower Upper

105 100

120 48.3 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 99.15 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000154.D

Acq: 27 Feb 2018 19:42

Instrument :

ClientSampled :

RFK-RMAB-MW10-GW

Tot Ion:105 Resp: 500761

Ion Ratio Lower Upper

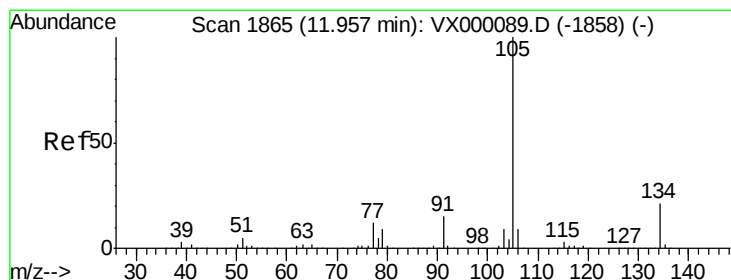
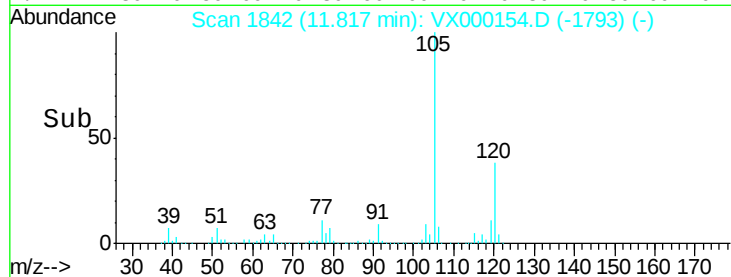
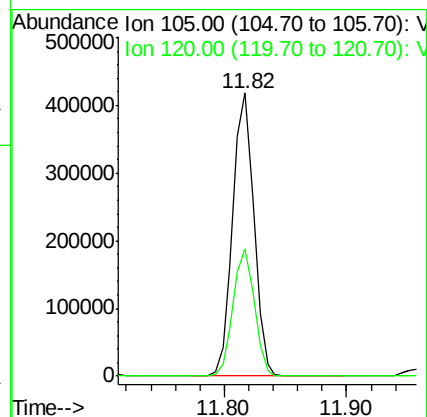
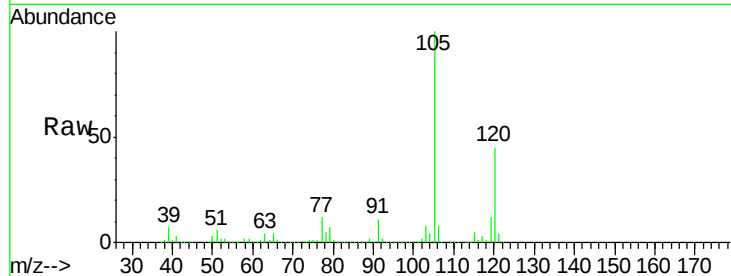
105 100

120 45.3 23.1 69.2

Manual Integrations
APPROVED

apatel

2/28/2018 3:55:00 PM



#85

sec-Butylbenzene

Concen: 2.02 ug/l m

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000154.D

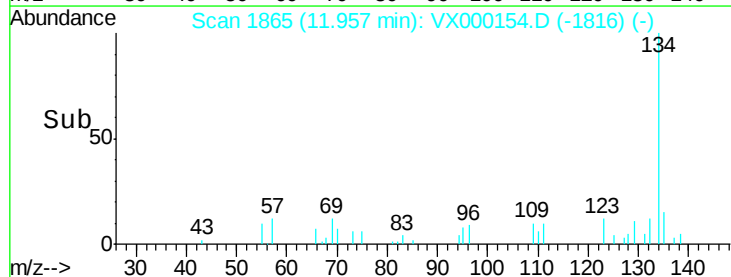
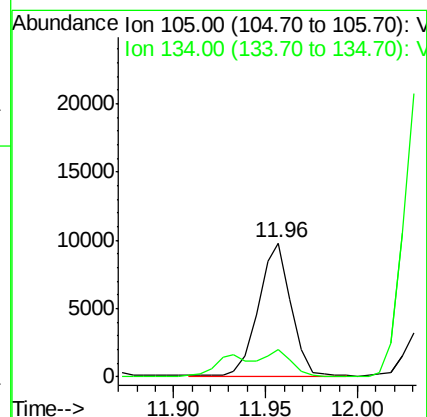
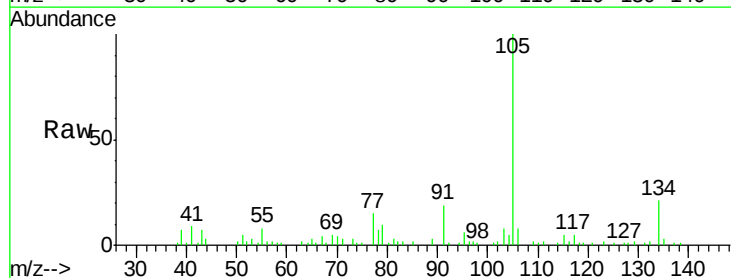
Acq: 27 Feb 2018 19:42

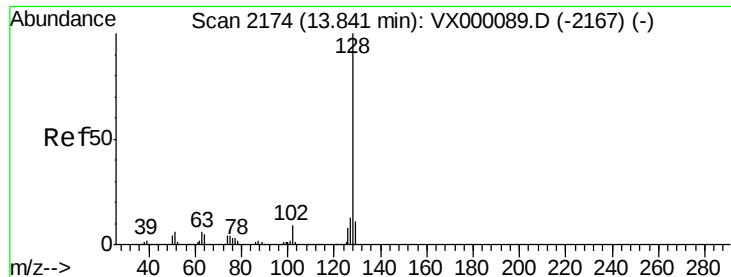
Tgt Ion:105 Resp: 12346

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.6#





#95
Naphthalene
Concen: 77.94 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000154.D
Acq: 27 Feb 2018 19:42

Instrument :
ClientSampled :
RFK-RMAB-MW10-GW

Tot Ion	Ratio	Resp	Lower	Upper
128	100	583767		
127	13.3		10.4	15.6
129	12.6		8.7	13.1

Manual Integrations
APPROVED

apatel
2/28/2018 3:55:00 PM

