

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX022718\
 Data File : VX000156.D
 Acq On : 27 Feb 2018 20:33
 Operator : JC/MD
 Sample : J1683-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 RFK-RMAB-MW12-GW

Quant Time: Feb 28 06:19:21 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	103168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	167820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	161039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	64018	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	5.52	113	50229	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	8.73	98	204046	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.15	95	85567	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	

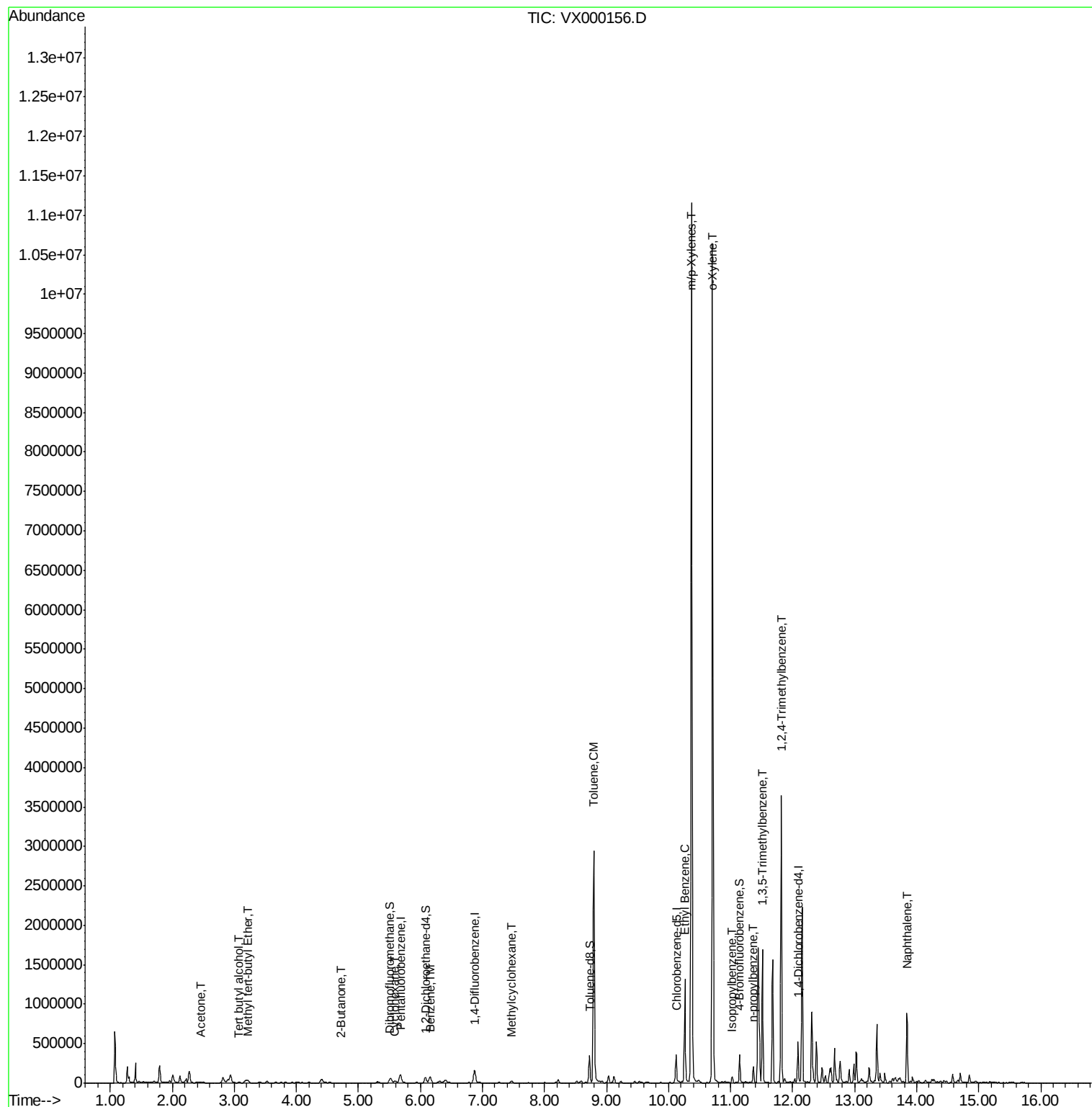
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	9411	18.96	ug/l	95
16) Acetone	2.45	43	11268	13.49	ug/l	98
19) Methyl tert-butyl Ether	3.22	73	35552	9.59	ug/l	99
25) 2-Butanone	4.71	43	5619	4.82	ug/l #	88
31) Cyclohexane	5.59	56	16226	10.08	ug/l	97
39) Methylcyclohexane	7.48	83	10821	5.97	ug/l	95
40) Benzene	6.16	78	91738	21.32	ug/l	100
52) Toluene	8.79	92	1077707	374.93	ug/l	100
67) Ethyl Benzene	10.26	91	780950	136.83	ug/l	98
68) m/p-Xylenes	10.37	106	2690775	1190.64	ug/l	97
69) o-Xylene	10.71	106	2354751	1080.35	ug/l	99
73) Isopropylbenzene	11.02	105	38428	5.86	ug/l	97
78) n-propylbenzene	11.37	91	116704	15.09	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	735565	132.61	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	1524915	264.79	ug/l	98
95) Naphthalene	13.84	128	532677	62.37	ug/l	100

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

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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: VX000156.D

Acq: 27 Feb 2018 20:33

Instrument :

ClientSampleId :

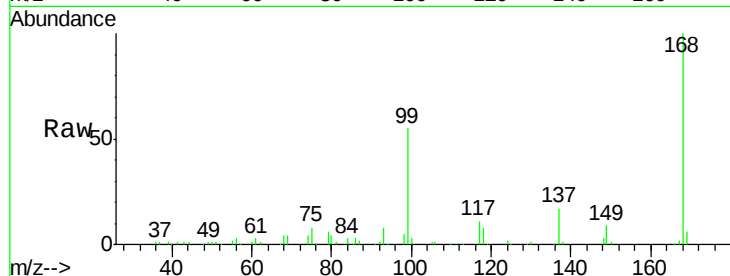
RFK-RMAB-MW12-GW

Tot Ion:168 Resp: 103168

Ion Ratio Lower Upper

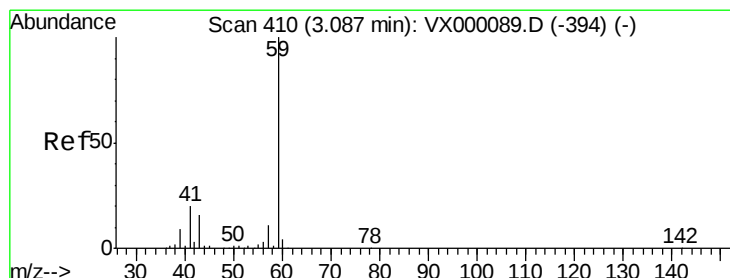
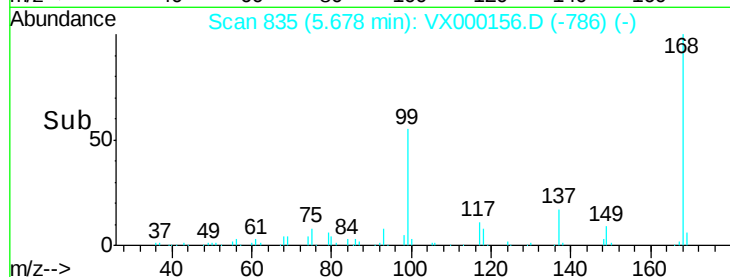
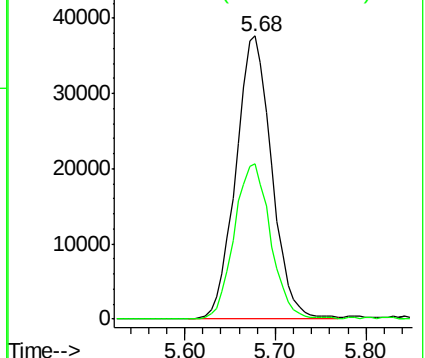
168 100

99 54.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 18.96 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX000156.D

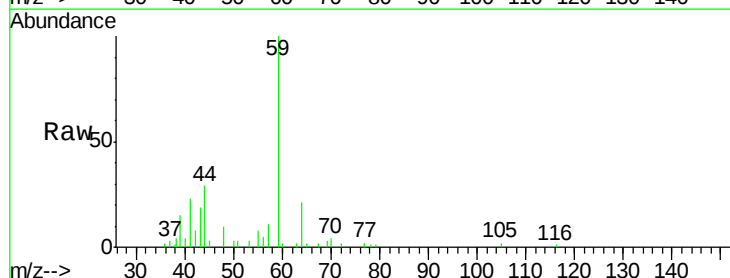
Acq: 27 Feb 2018 20:33

Tgt Ion: 59 Resp: 9411

Ion Ratio Lower Upper

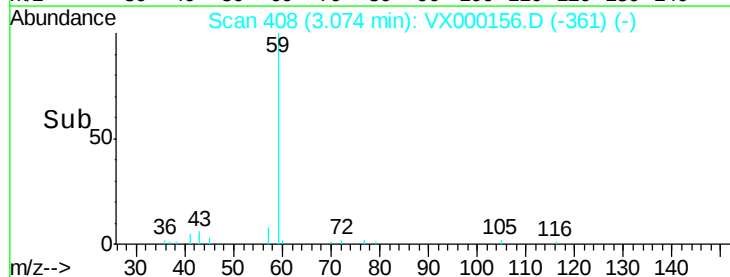
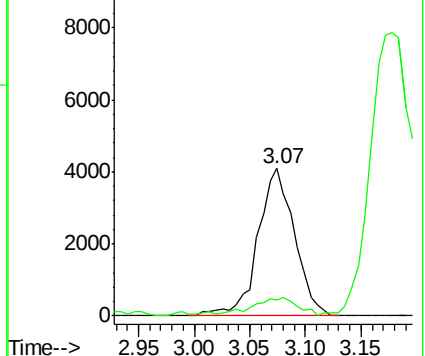
59 100

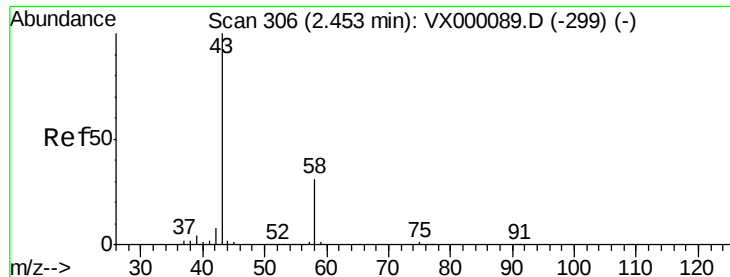
57 12.3 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 13.49 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

Instrument :

ClientSampleId :

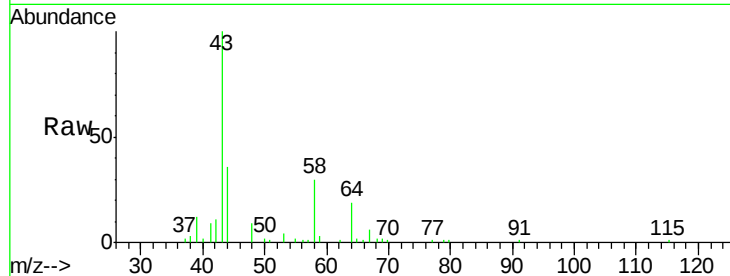
RFK-RMAB-MW12-GW

Tot Ion: 43 Resp: 11268

Ion Ratio Lower Upper

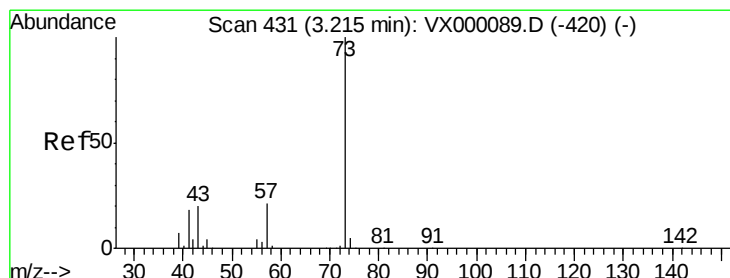
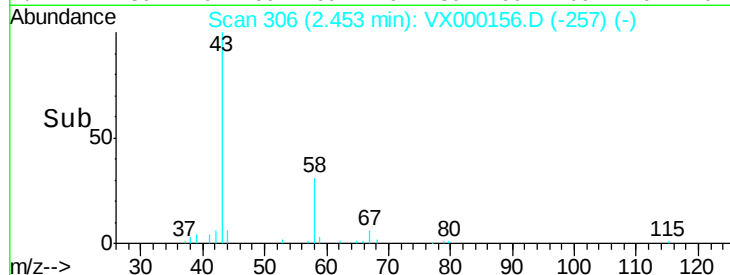
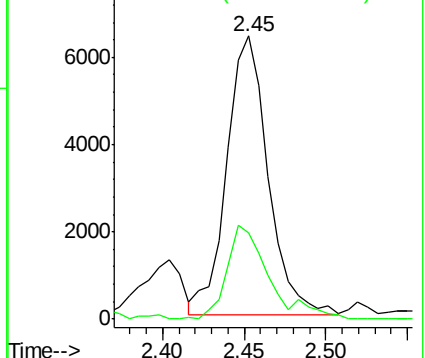
43 100

58 30.0 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 9.59 ug/l

RT: 3.22 min Scan# 432

Delta R.T. 0.01 min

Lab File: VX000156.D

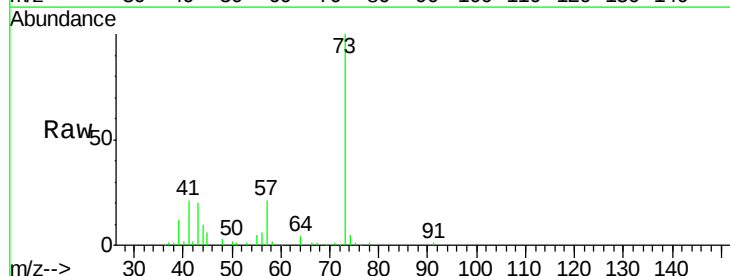
Acq: 27 Feb 2018 20:33

Tgt Ion: 73 Resp: 35552

Ion Ratio Lower Upper

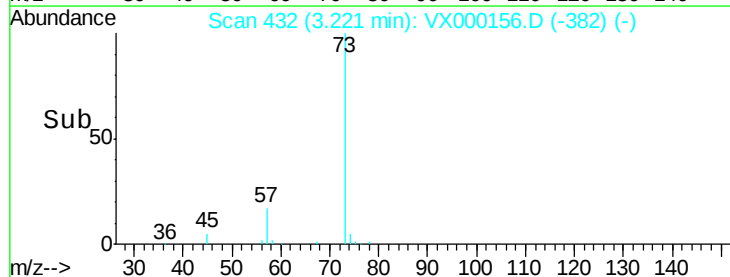
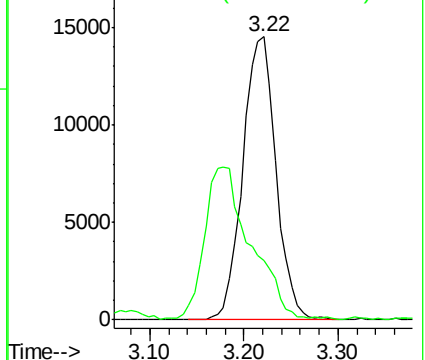
73 100

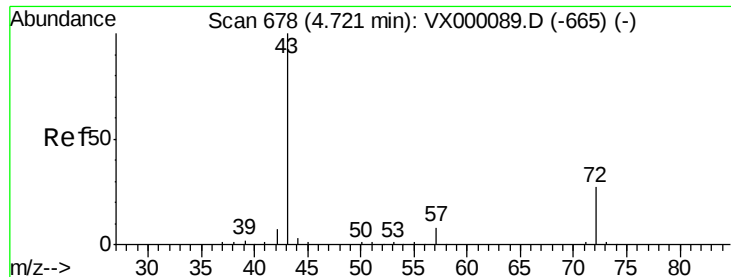
57 20.8 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#25

2-Butanone

Concen: 4.82 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

Instrument :

ClientSampled :

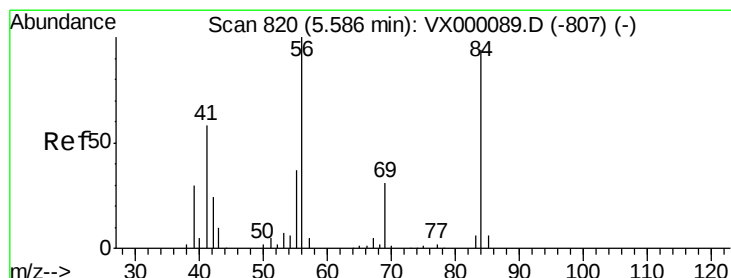
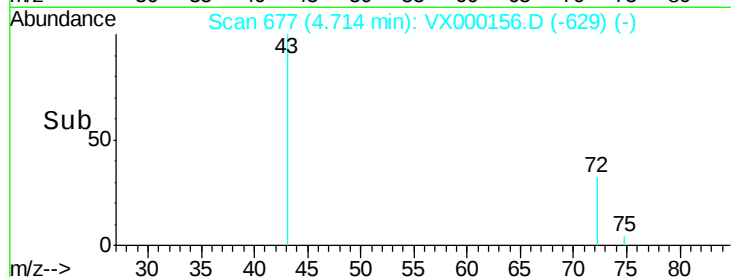
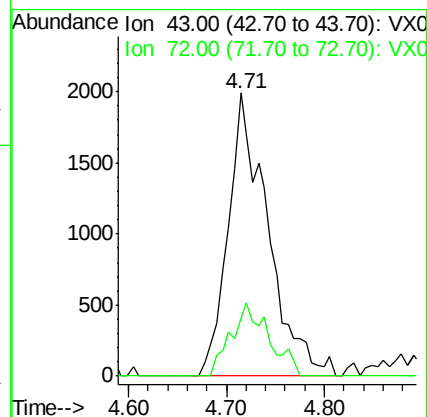
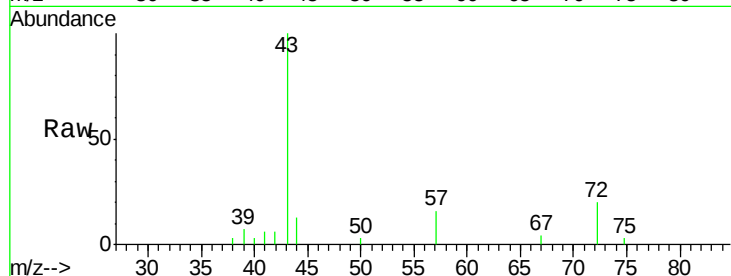
RFK-RMAB-MW12-GW

Tot Ion: 43 Resp: 5619

Ion Ratio Lower Upper

43 100

72 20.3 21.3 31.9#



#31

Cyclohexane

Concen: 10.08 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

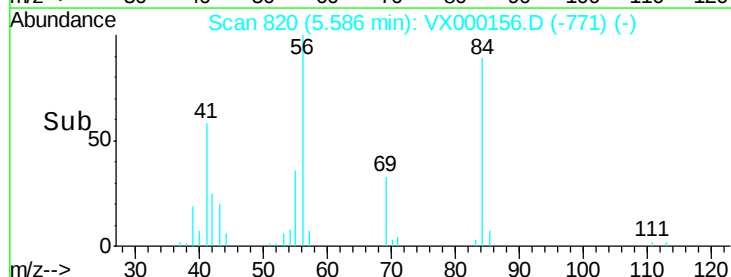
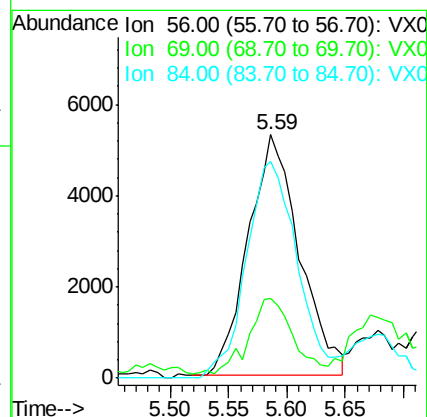
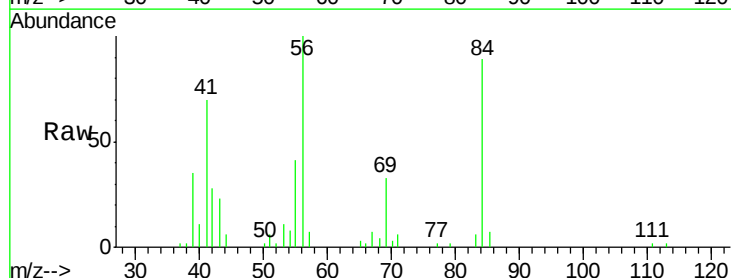
Tgt Ion: 56 Resp: 16226

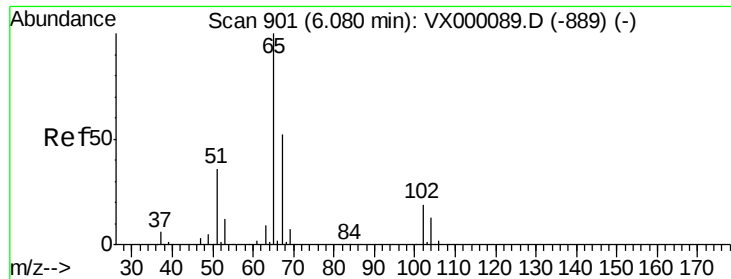
Ion Ratio Lower Upper

56 100

69 31.8 24.9 37.3

84 90.2 75.0 112.4





#33

1,2-Dichloroethane-d4

Concen: 49.69 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

Instrument :

ClientSampled :

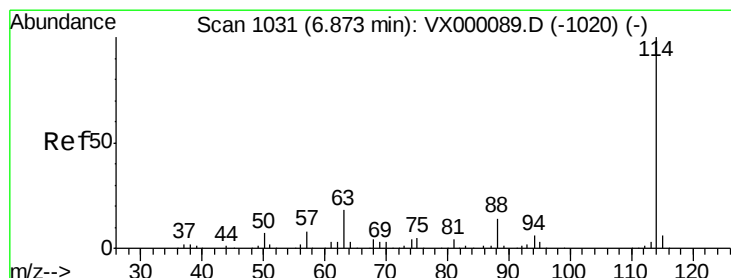
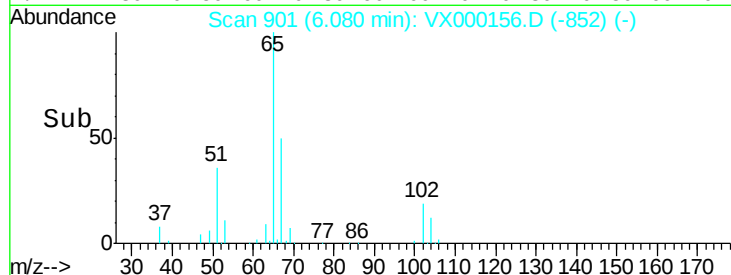
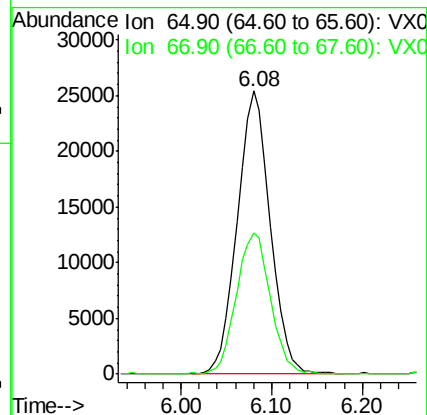
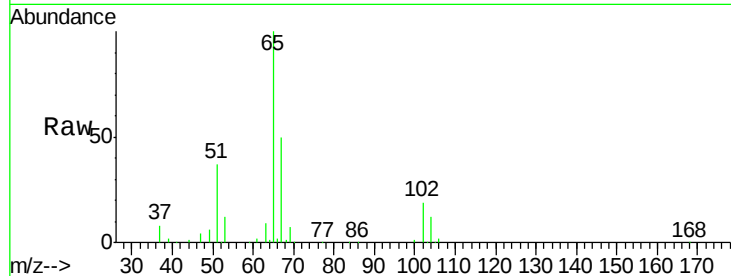
RFK-RMAB-MW12-GW

Tot Ion: 65 Resp: 64018

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

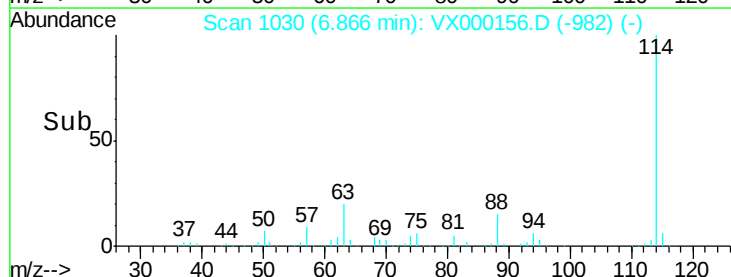
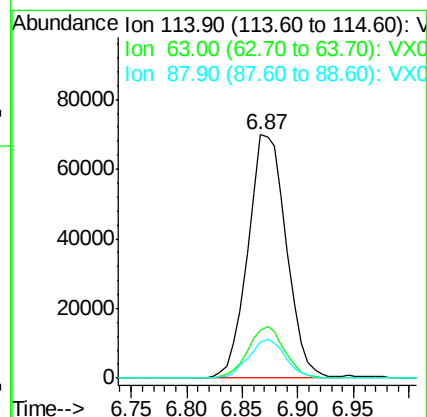
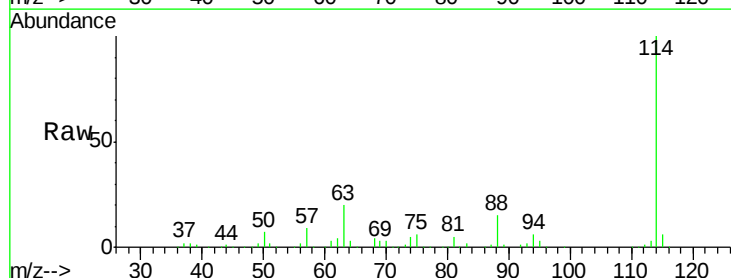
Tgt Ion: 114 Resp: 167820

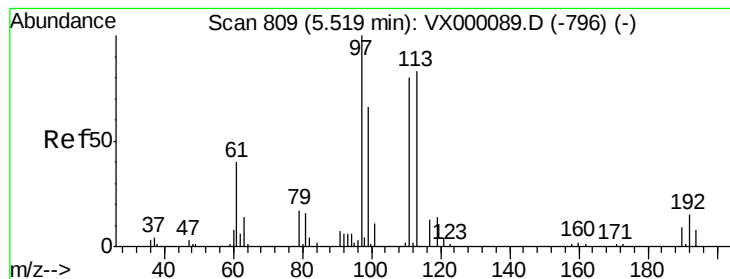
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.42 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

Instrument :

ClientSampleId :

RFK-RMAB-MW12-GW

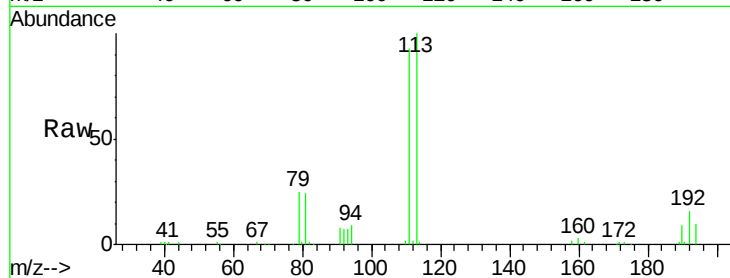
Tot Ion:113 Resp: 50229

Ion Ratio Lower Upper

113 100

111 102.5 81.0 121.6

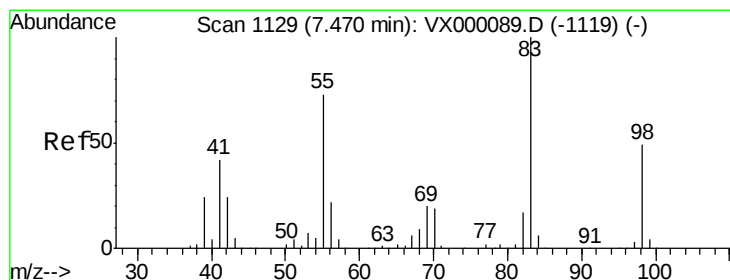
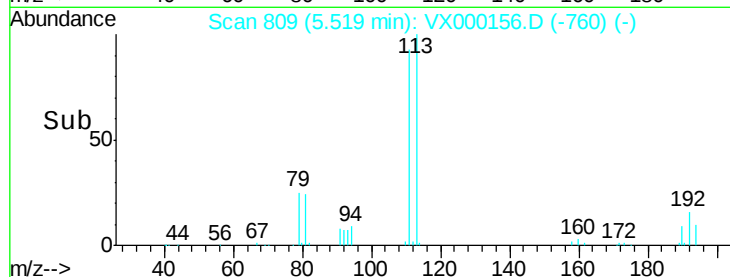
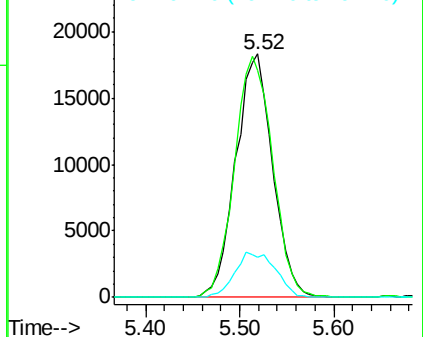
192 20.3 15.7 23.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 5.97 ug/l

RT: 7.48 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

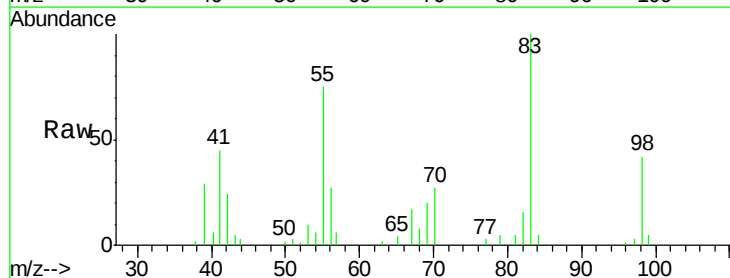
Tgt Ion: 83 Resp: 10821

Ion Ratio Lower Upper

83 100

55 71.9 58.2 87.2

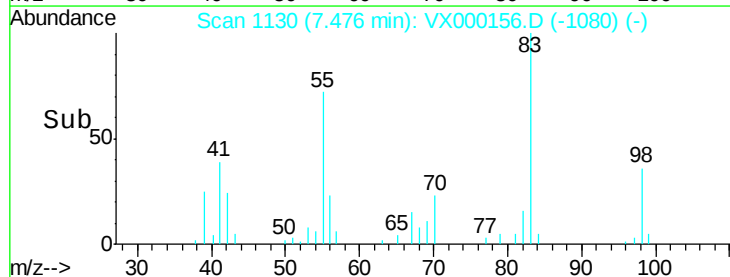
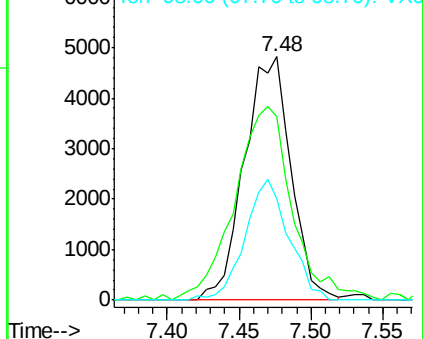
98 41.6 39.0 58.6

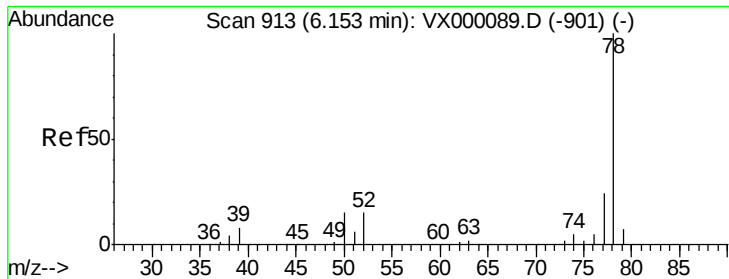


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

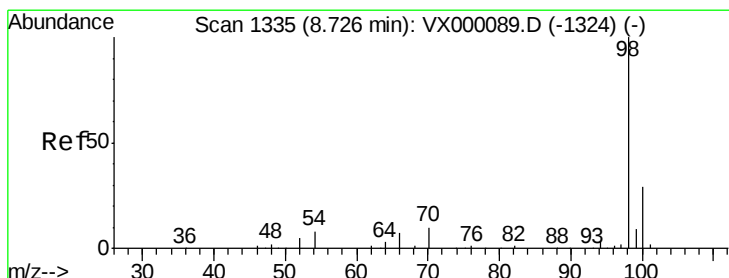
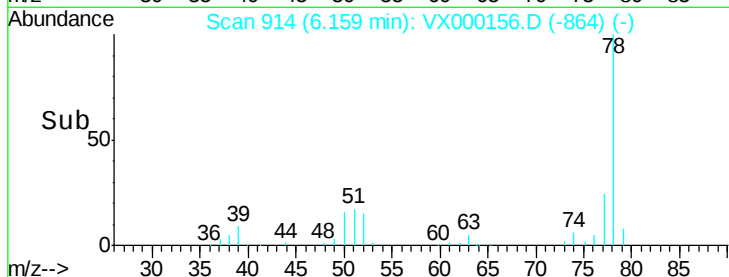
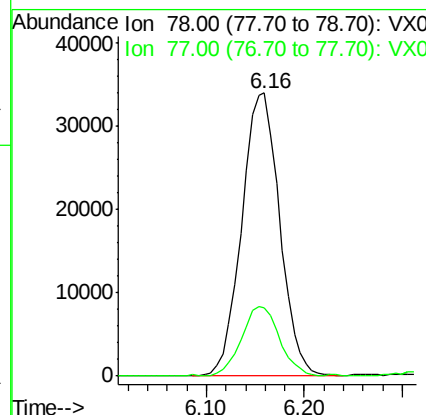
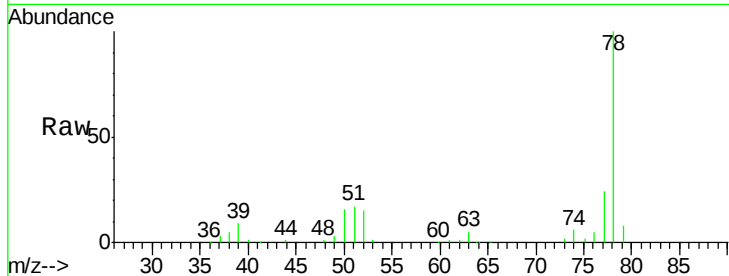




#40
Benzene
Concen: 21.32 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

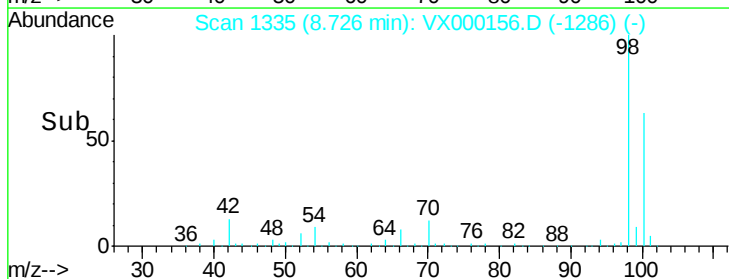
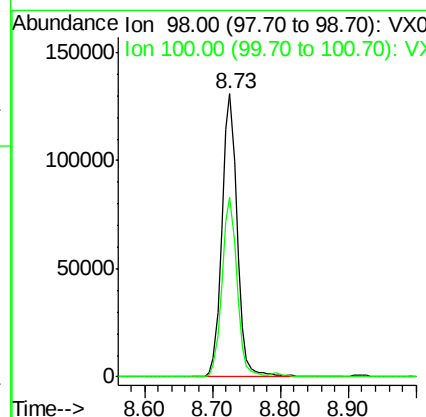
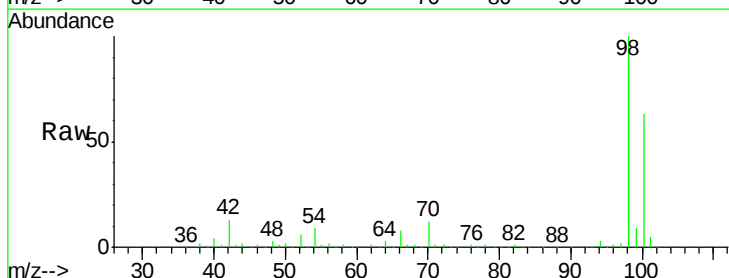
Instrument :
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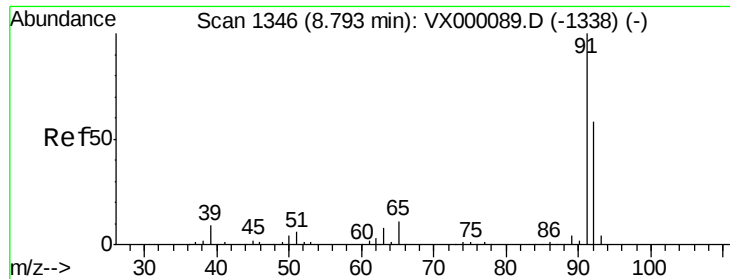
Tot Ion: 78 Resp: 91738
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0



#50
Toluene-d8
Concen: 48.84 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

Tgt Ion: 98 Resp: 204046
Ion Ratio Lower Upper
98 100
100 61.8 52.2 78.2





#52

Toluene

Concen: 374.93 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

Instrument :

ClientSampled :

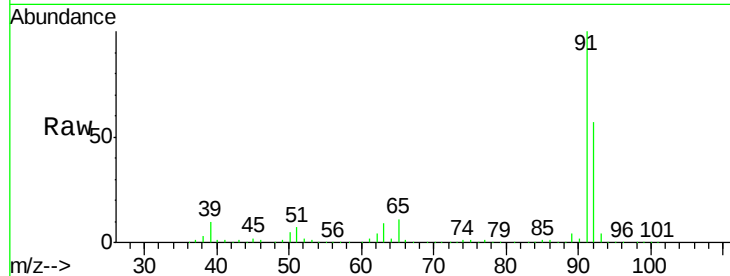
RFK-RMAB-MW12-GW

Tot Ion: 92 Resp: 1077707

Ion Ratio Lower Upper

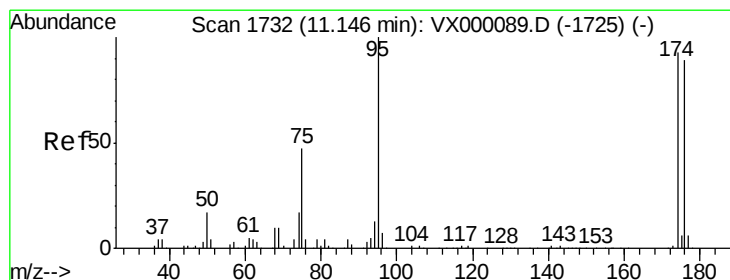
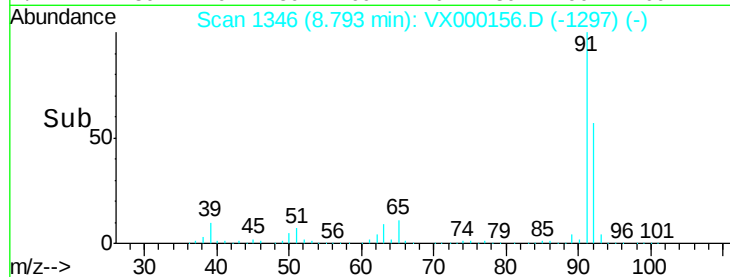
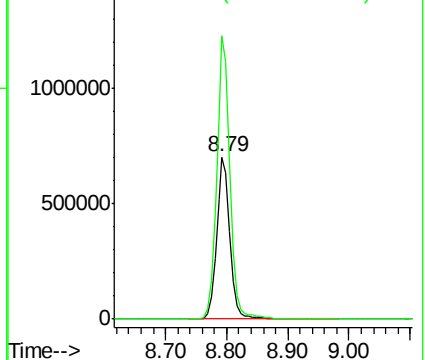
92 100

91 174.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.23 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

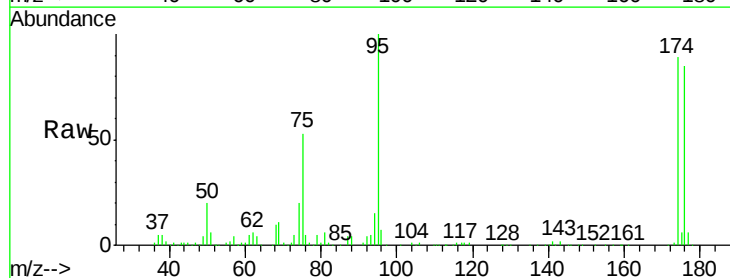
Tgt Ion: 95 Resp: 85567

Ion Ratio Lower Upper

95 100

174 86.2 0.0 187.8

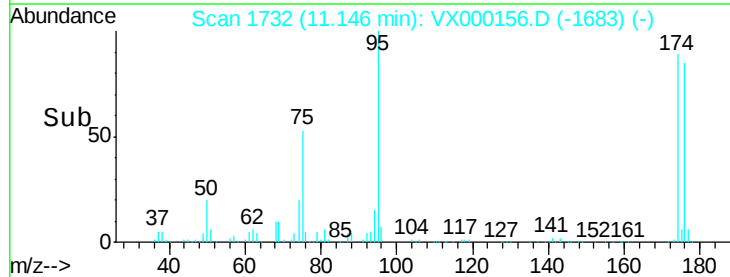
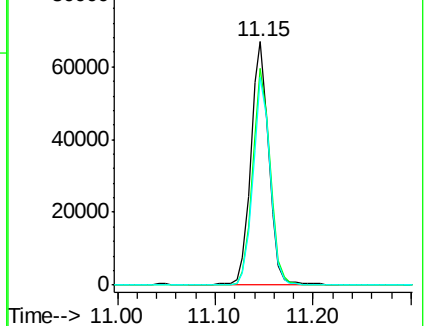
176 80.7 0.0 181.2

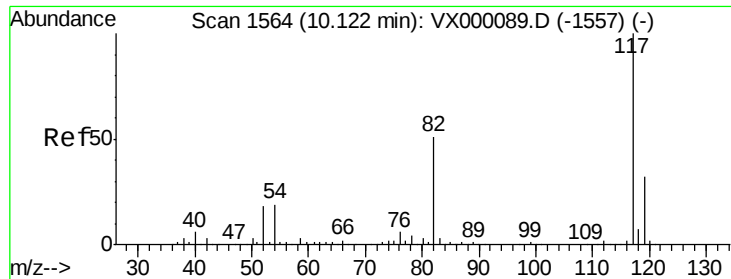


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

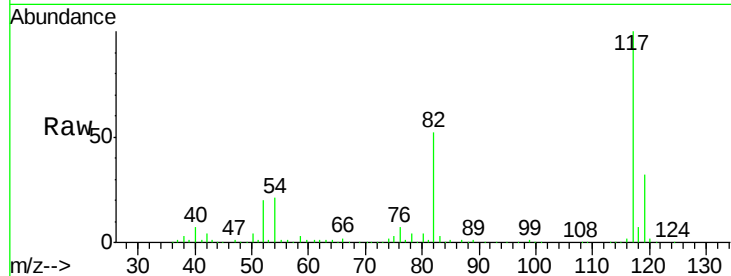




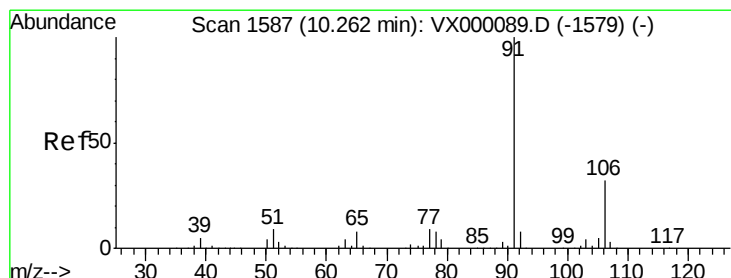
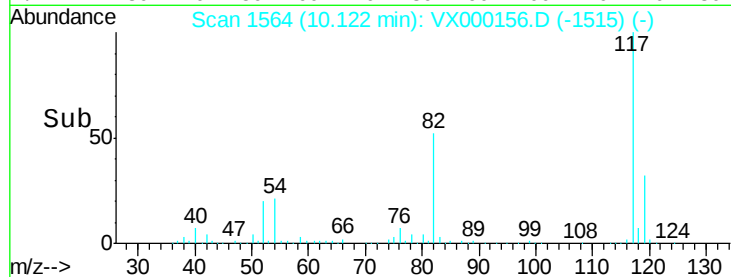
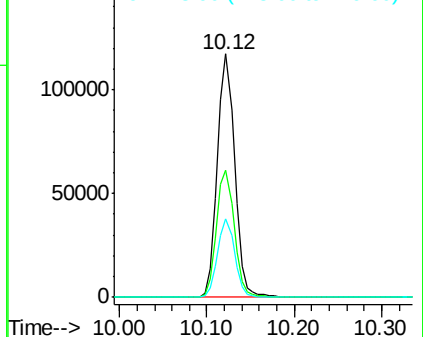
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

Instrument :
ClientSampleId :
RFK-RMAB-MW12-GW

Tot Ion:117 Resp: 161039
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 32.1 25.5 38.3

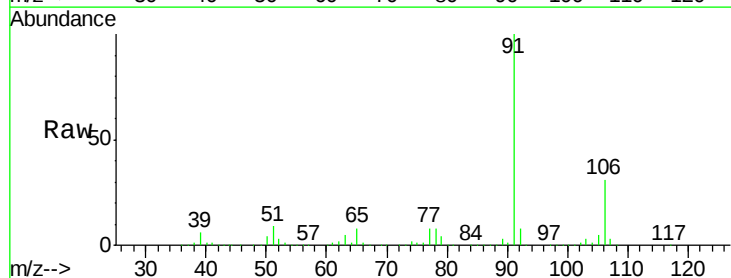


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

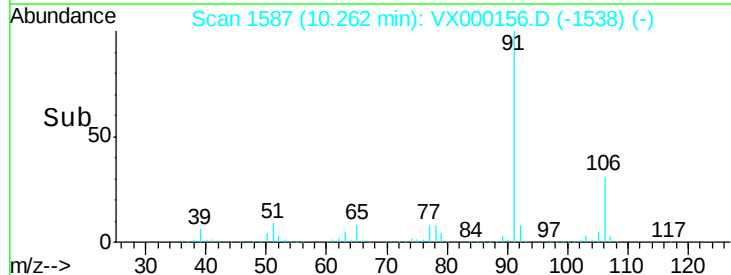
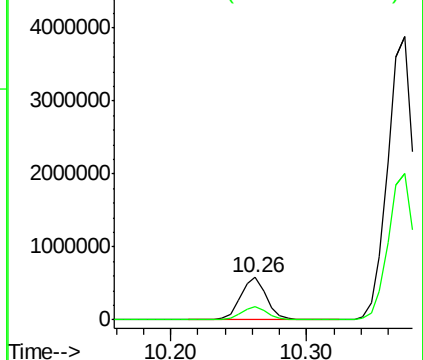


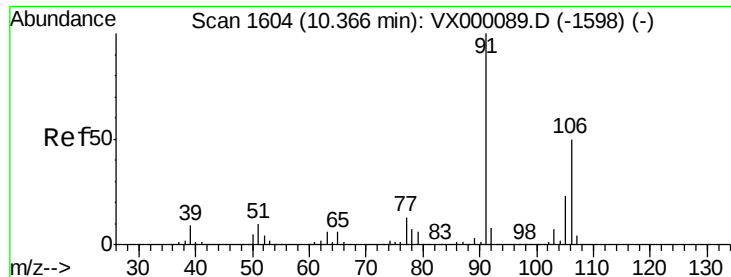
#67
Ethyl Benzene
Concen: 136.83 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

Tgt Ion: 91 Resp: 780950
Ion Ratio Lower Upper
91 100
106 31.3 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

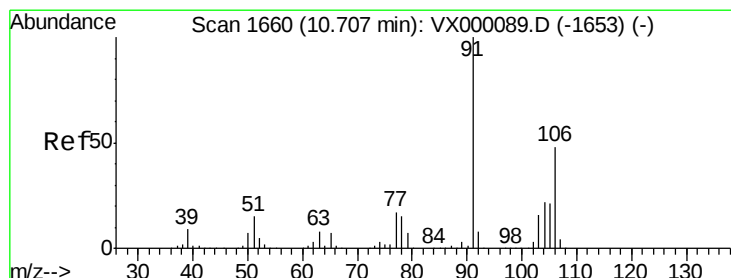
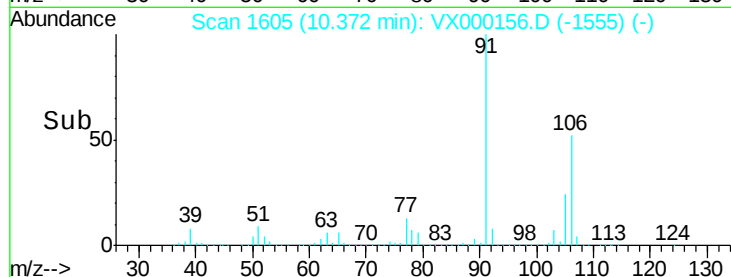
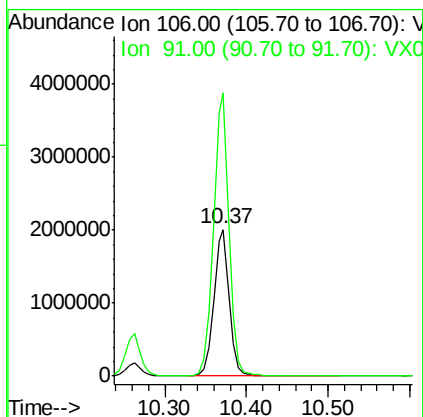
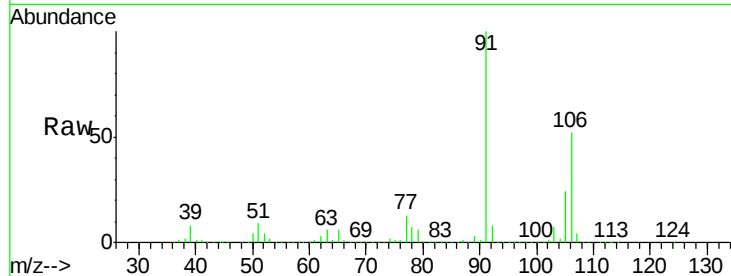




#68
m/p-Xvlenes
Concen: 1190.64 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

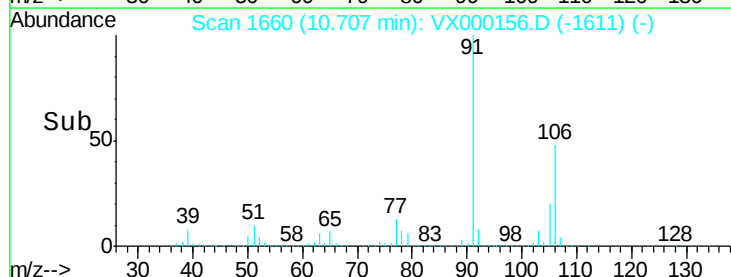
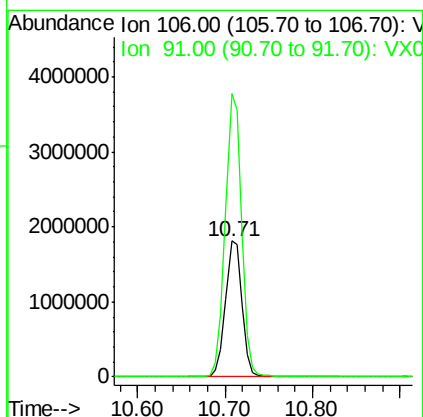
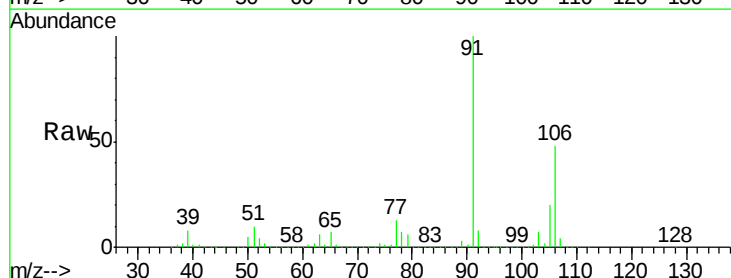
Instrument :
ClientSampleId :
RFK-RMAB-MW12-GW

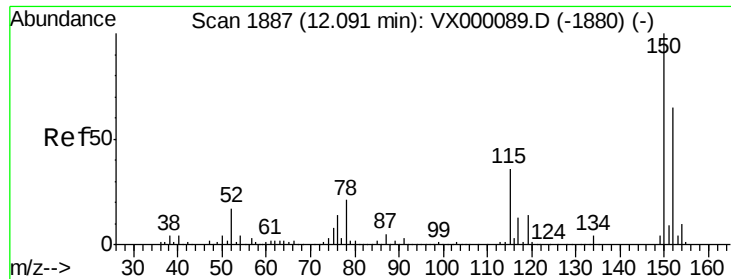
Tot Ion:106 Resp: 2690775
Ion Ratio Lower Upper
106 100
91 195.1 159.1 238.7



#69
o-Xylene
Concen: 1080.35 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

Tgt Ion:106 Resp: 2354751
Ion Ratio Lower Upper
106 100
91 206.8 103.8 311.6



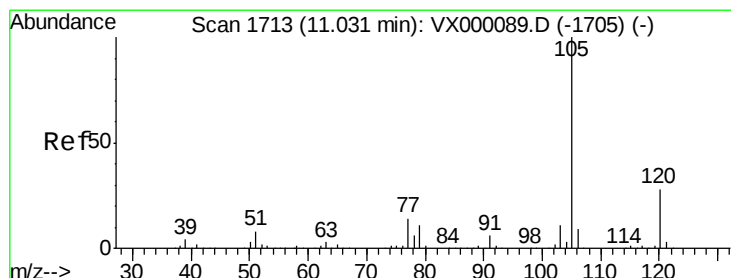
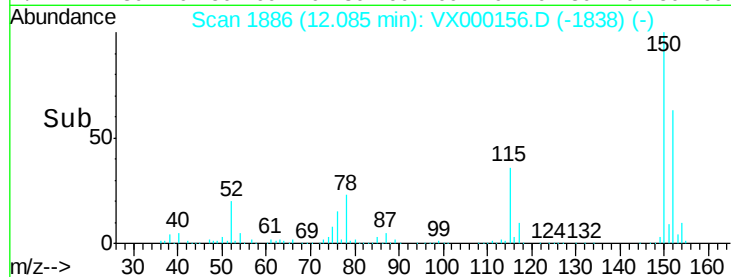
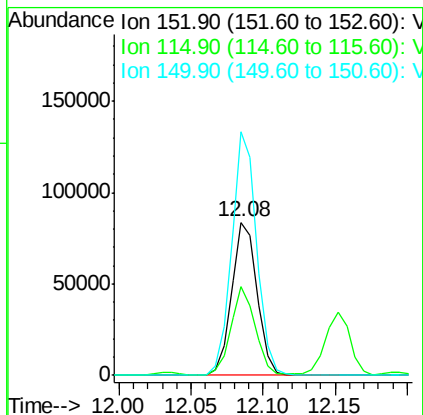
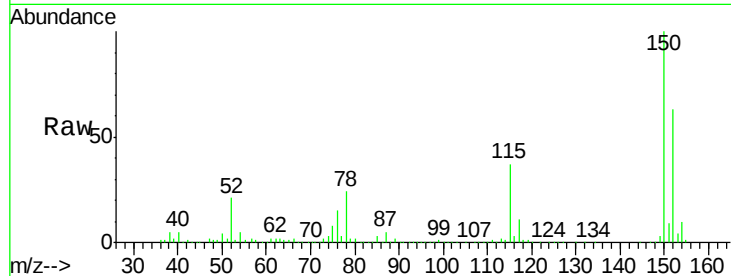


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

Instrument :
ClientSampleId :
RFK-RMAB-MW12-GW

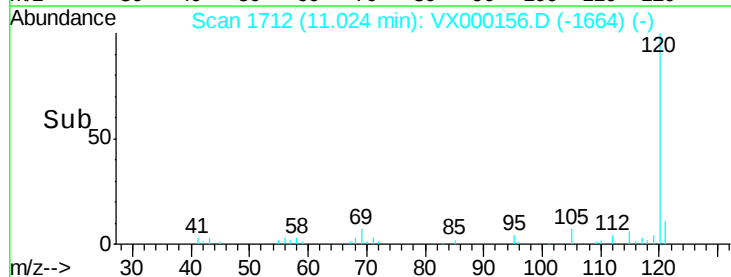
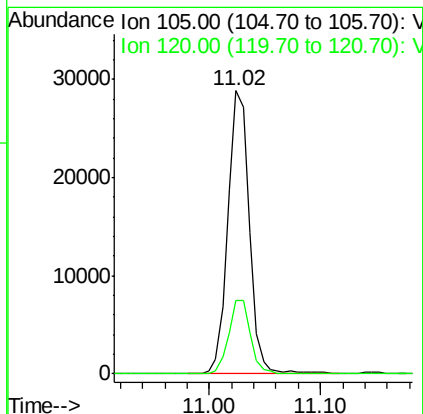
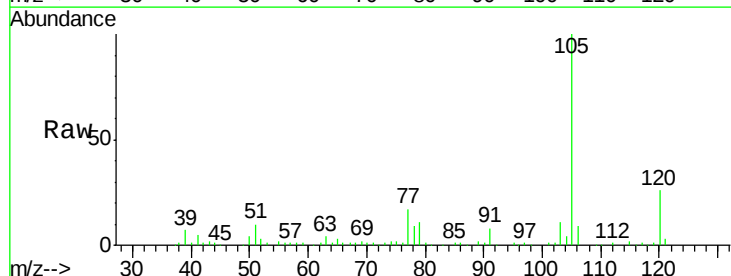
Tot Ion:152 Resp: 103519
Ion Ratio Lower Upper
152 100
115 55.9 39.1 117.2
150 156.2 0.0 348.2

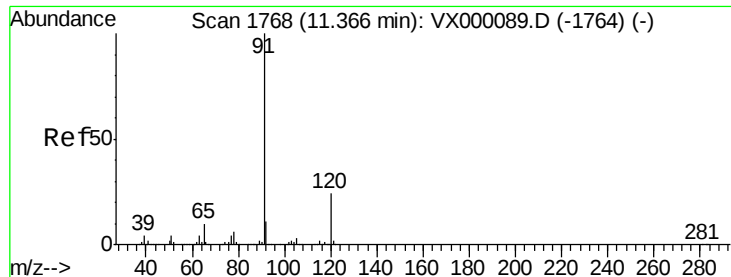


#73

Isopropylbenzene
Concen: 5.86 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VX000156.D
Acq: 27 Feb 2018 20:33

Tgt Ion:105 Resp: 38428
Ion Ratio Lower Upper
105 100
120 26.5 14.0 42.0





#78

n-propylbenzene

Concen: 15.09 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000156.D

Acq: 27 Feb 2018 20:33

Instrument :

ClientSampled :

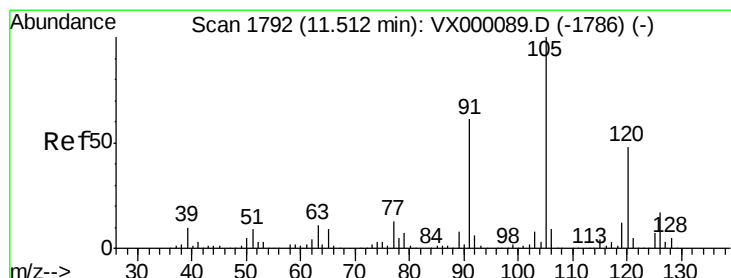
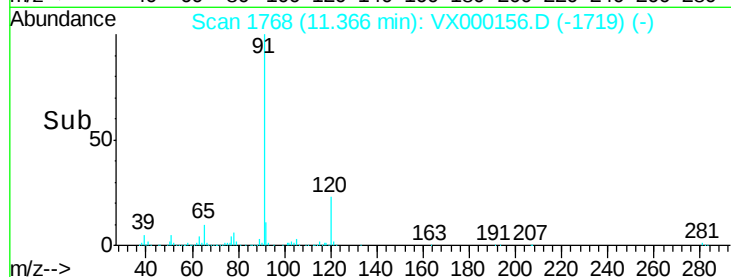
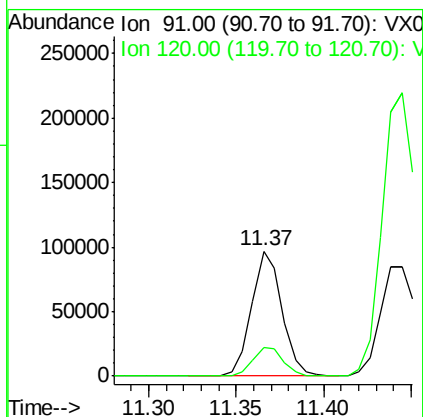
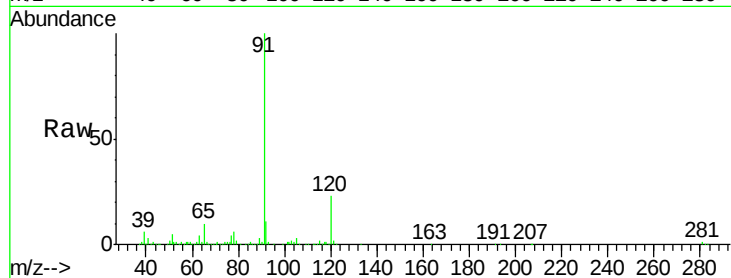
RFK-RMAB-MW12-GW

Tot Ion: 91 Resp: 116704

Ion Ratio Lower Upper

91 100

120 23.5 12.3 36.9



#80

1,3,5-Trimethylbenzene

Concen: 132.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000156.D

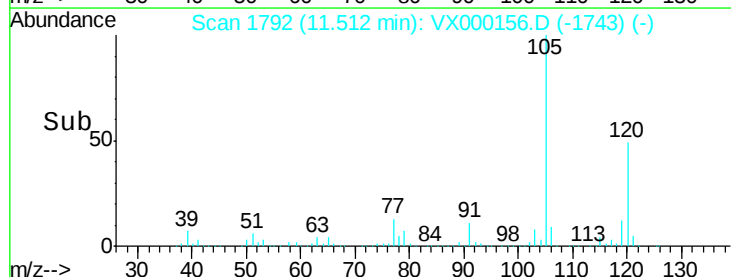
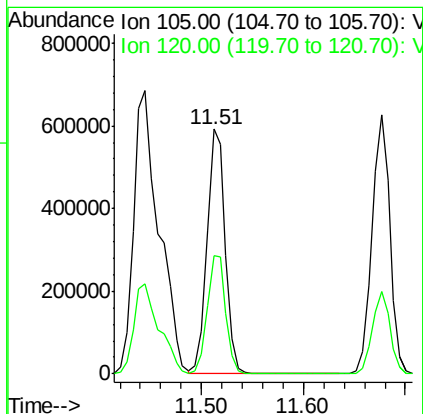
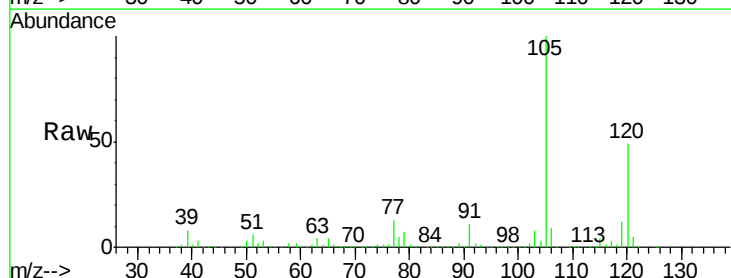
Acq: 27 Feb 2018 20:33

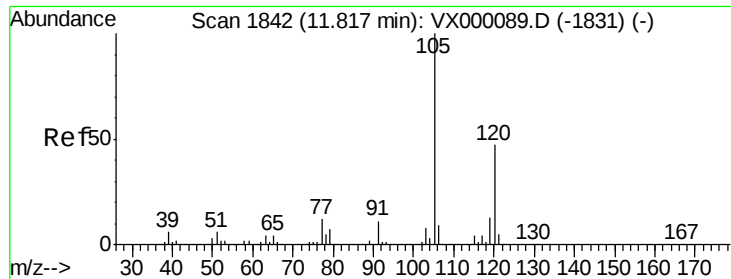
Tgt Ion: 105 Resp: 735565

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6

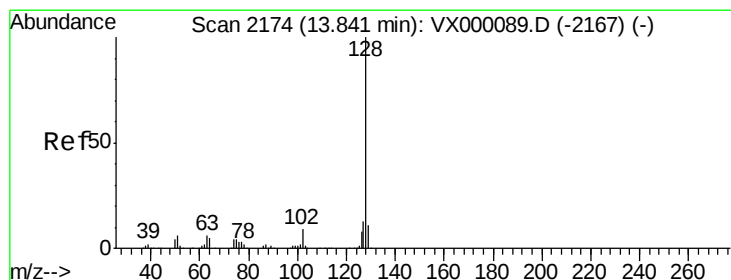
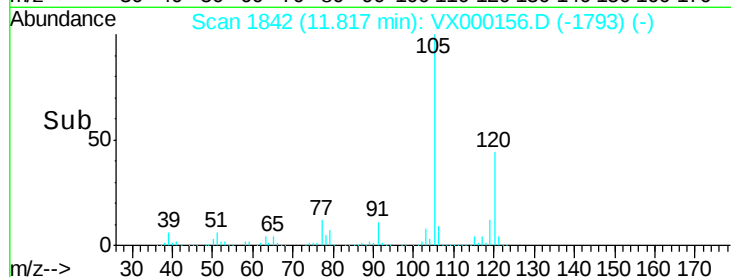
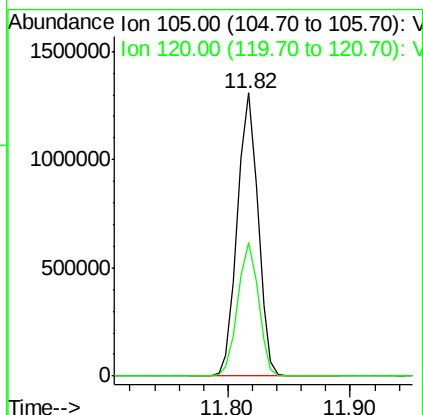
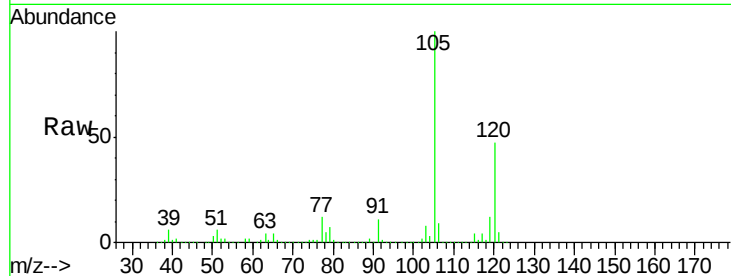




#84
 1,2,4-Trimethylbenzene
 Concen: 264.79 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000156.D
 Acq: 27 Feb 2018 20:33

Instrument :
 ClientSampleId :
 RFK-RMAB-MW12-GW

Tot Ion:105 Resp: 1524915
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.1 69.2



#95
 Naphthalene
 Concen: 62.37 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000156.D
 Acq: 27 Feb 2018 20:33

Tgt Ion:128 Resp: 532677
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.1 8.7 13.1

