

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000602.D
 Acq On : 31 Mar 2018 19:07
 Operator : JC/MD
 Sample : J2150-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 03 19:02:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	112955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	187604	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	102475	50.00	ug/l	0.00

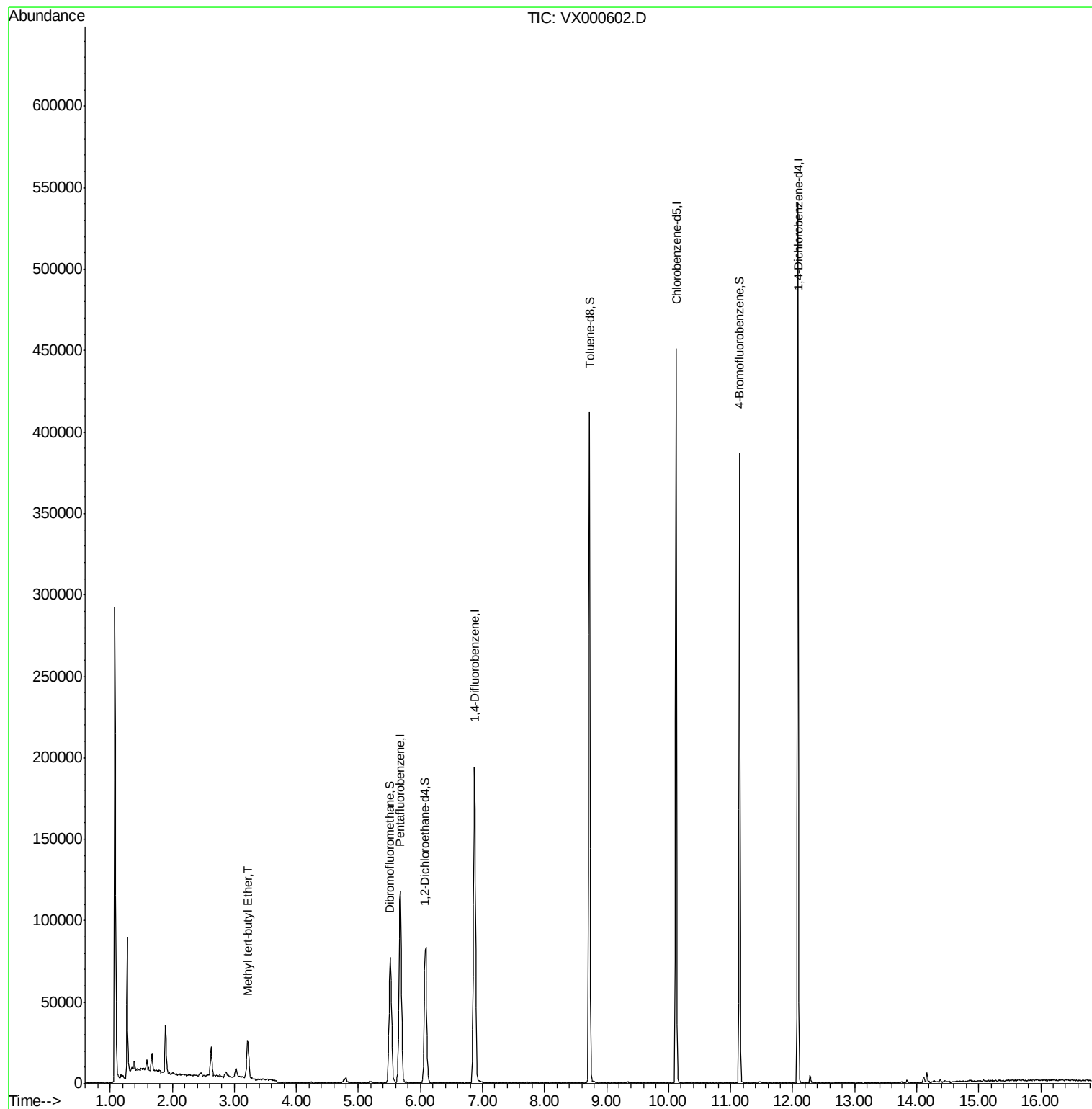
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	75379	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	5.51	113	59917	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.73	98	237811	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.15	95	84766	42.09	ug/l	0.00
Spiked Amount			Recovery	=	84.18%	

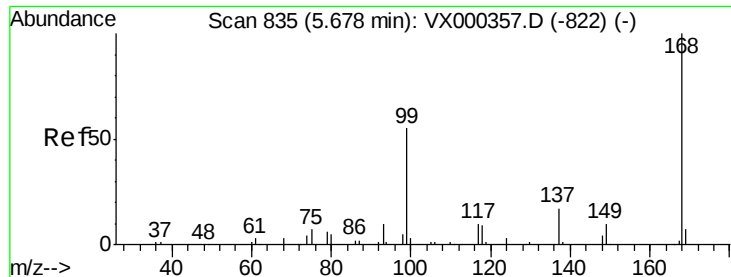
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.21	73	25473	5.63	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000602.D

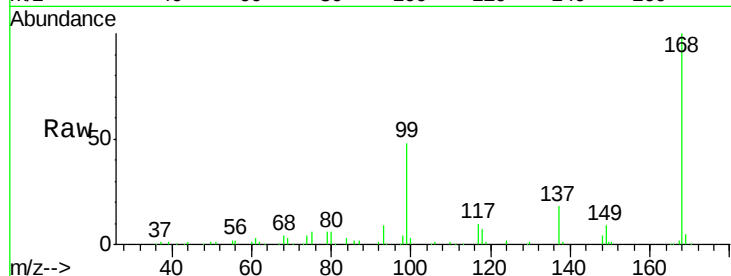
Acq: 31 Mar 2018 19:07

Tot Ion:168 Resp: 112955

Ion Ratio Lower Upper

168 100

99 47.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

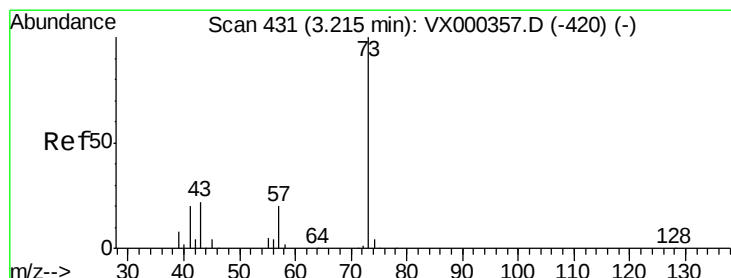
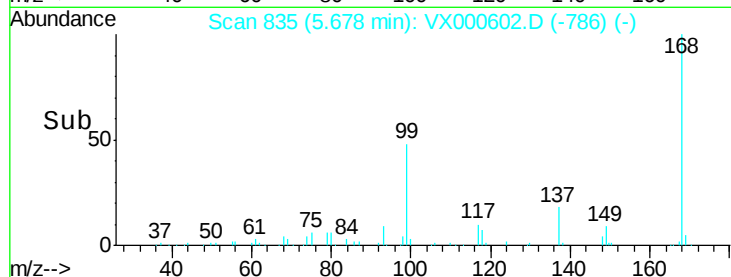
20000

10000

0

5.60 5.70 5.80

Time-->



#19

Methyl tert-butyl Ether

Concen: 5.63 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000602.D

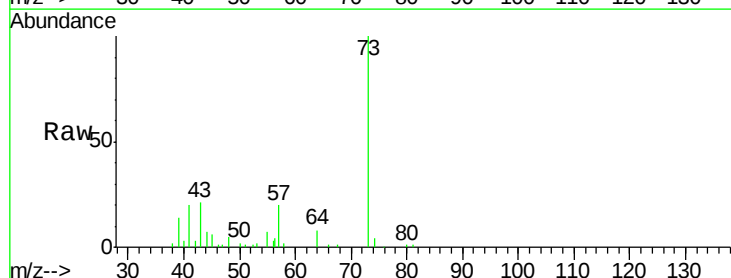
Acq: 31 Mar 2018 19:07

Tgt Ion: 73 Resp: 25473

Ion Ratio Lower Upper

73 100

57 20.0 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

12000

10000

8000

6000

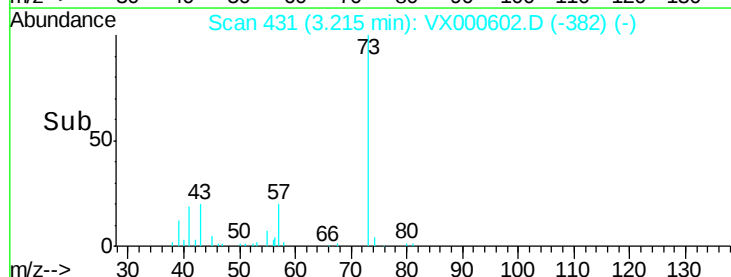
4000

2000

0

3.10 3.20 3.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.12 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000602.D

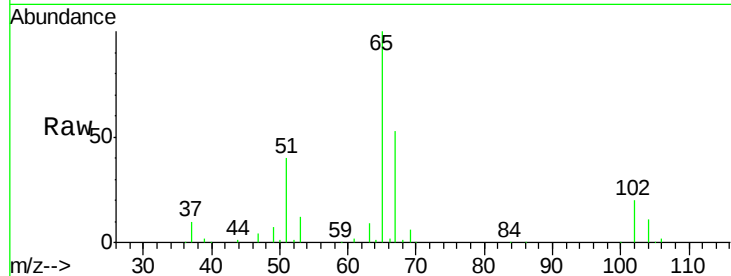
Acq: 31 Mar 2018 19:07

Tot Ion: 65 Resp: 75379

Ion Ratio Lower Upper

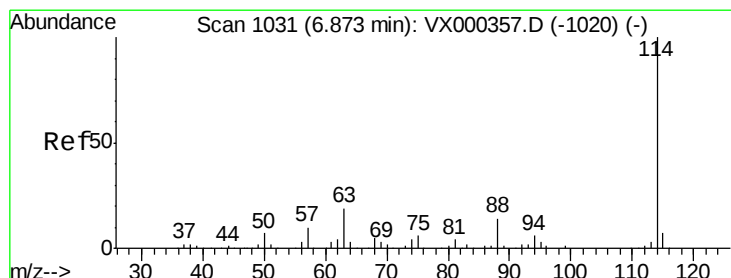
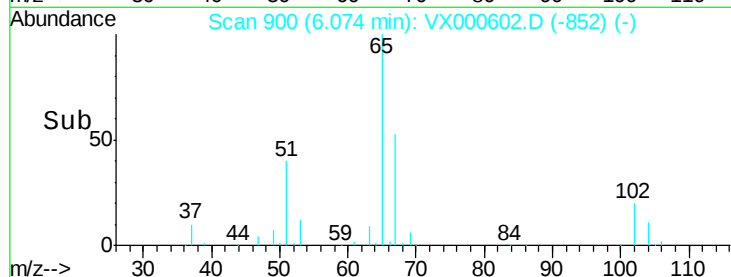
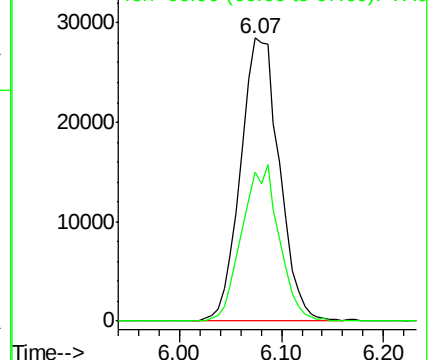
65 100

67 52.9 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000602.D

Acq: 31 Mar 2018 19:07

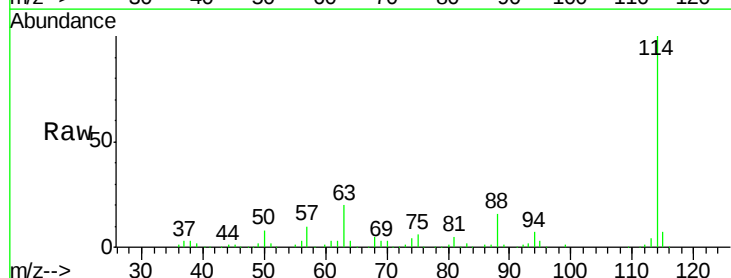
Tgt Ion: 114 Resp: 187604

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

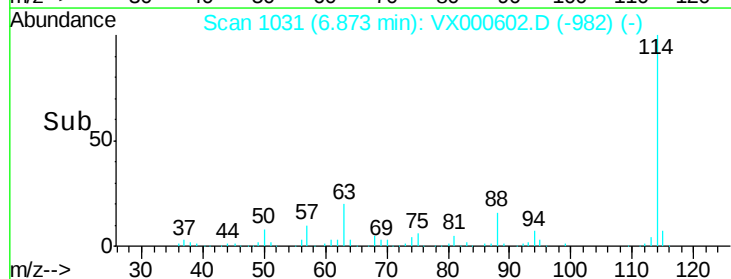
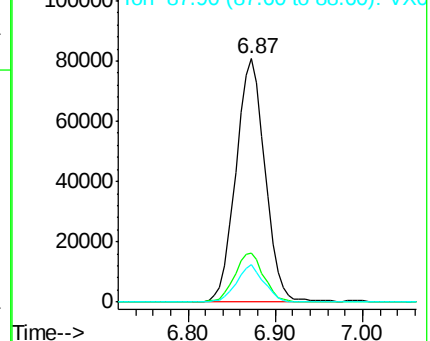
88 15.5 0.0 27.0

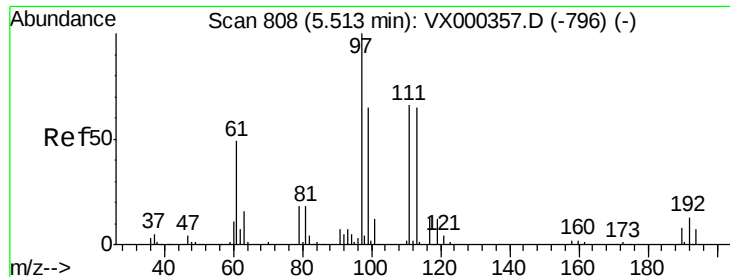


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.69 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000602.D

Acq: 31 Mar 2018 19:07

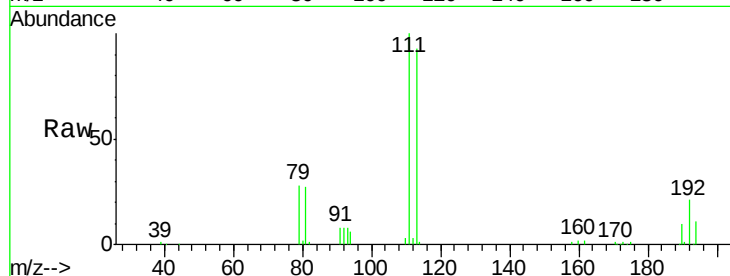
Tot Ion:113 Resp: 59917

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	20.0	15.8	23.6

113 100

111 103.9 82.4 123.6

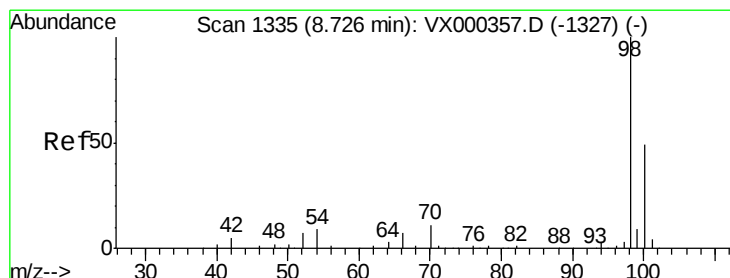
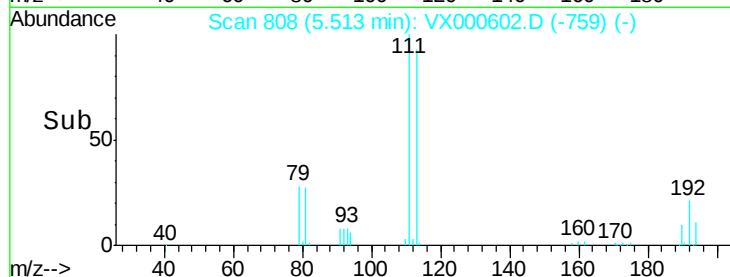
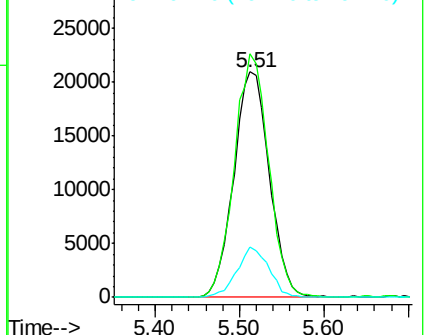
192 20.0 15.8 23.6



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



#50

Toluene-d8

Concen: 48.58 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000602.D

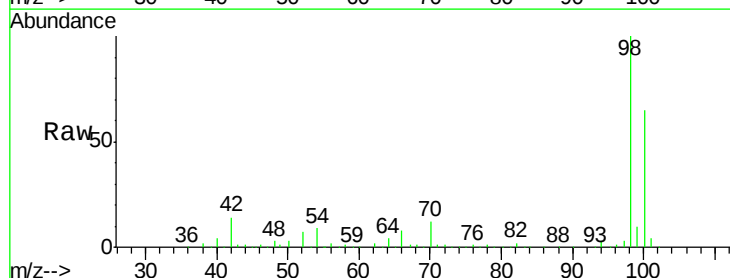
Acq: 31 Mar 2018 19:07

Tgt Ion: 98 Resp: 237811

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8

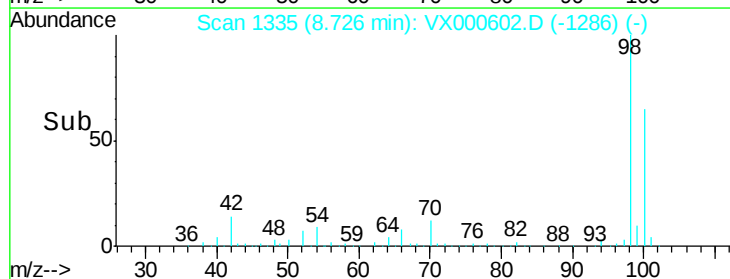
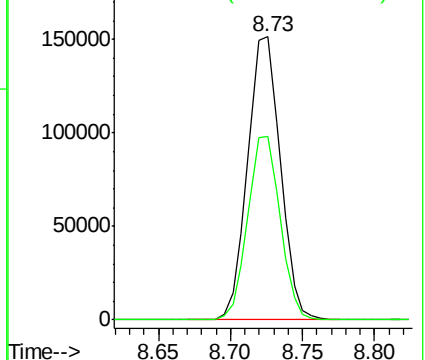
98 100

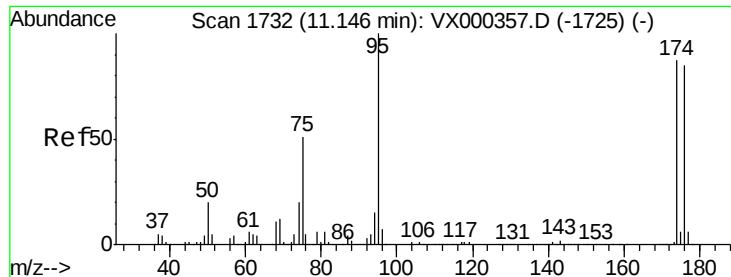
100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 42.09 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000602.D

Acq: 31 Mar 2018 19:07

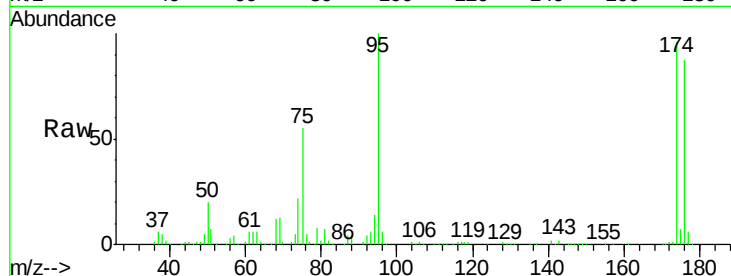
Tot Ion: 95 Resp: 84766

Ion Ratio Lower Upper

95 100

174 92.1 0.0 173.6

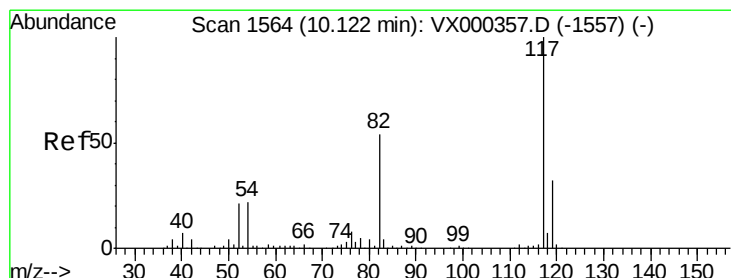
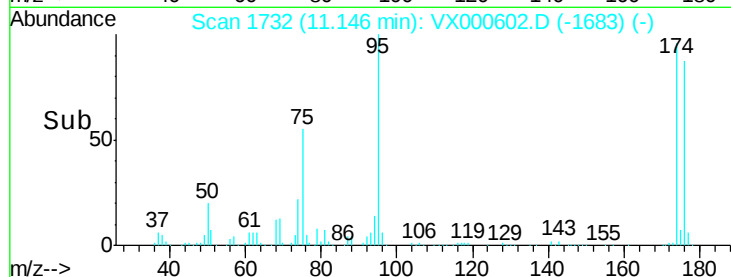
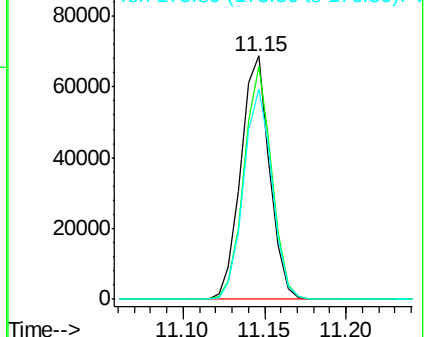
176 85.8 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000602.D

Acq: 31 Mar 2018 19:07

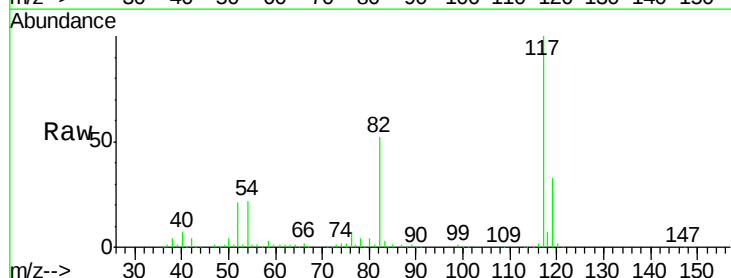
Tgt Ion: 117 Resp: 191727

Ion Ratio Lower Upper

117 100

82 52.3 43.8 65.8

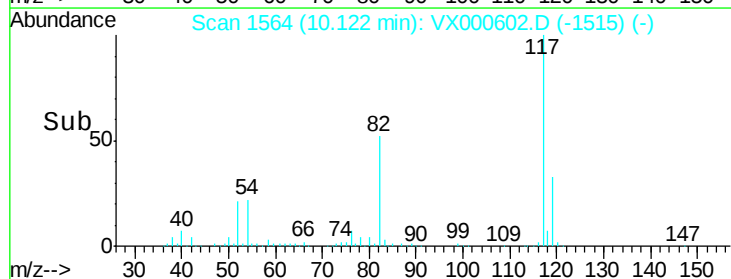
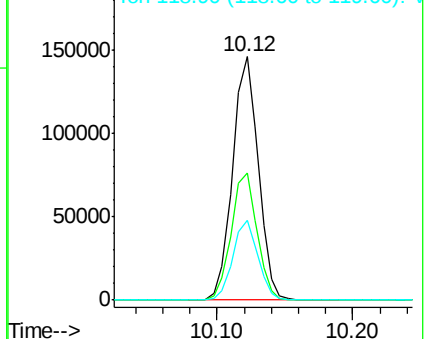
119 32.6 24.9 37.3

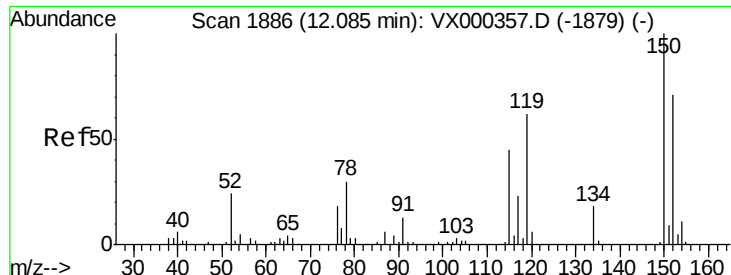


Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

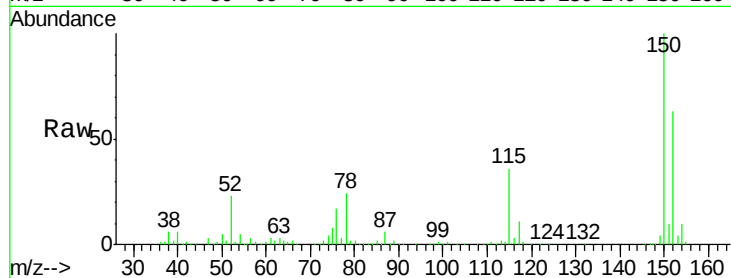
Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX000602.D
 Acq: 31 Mar 2018 19:07

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	39.8	119.3
150	157.6	0.0	344.4



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

