

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000604.D
 Acq On : 31 Mar 2018 19:59
 Operator : JC/MD
 Sample : J2150-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

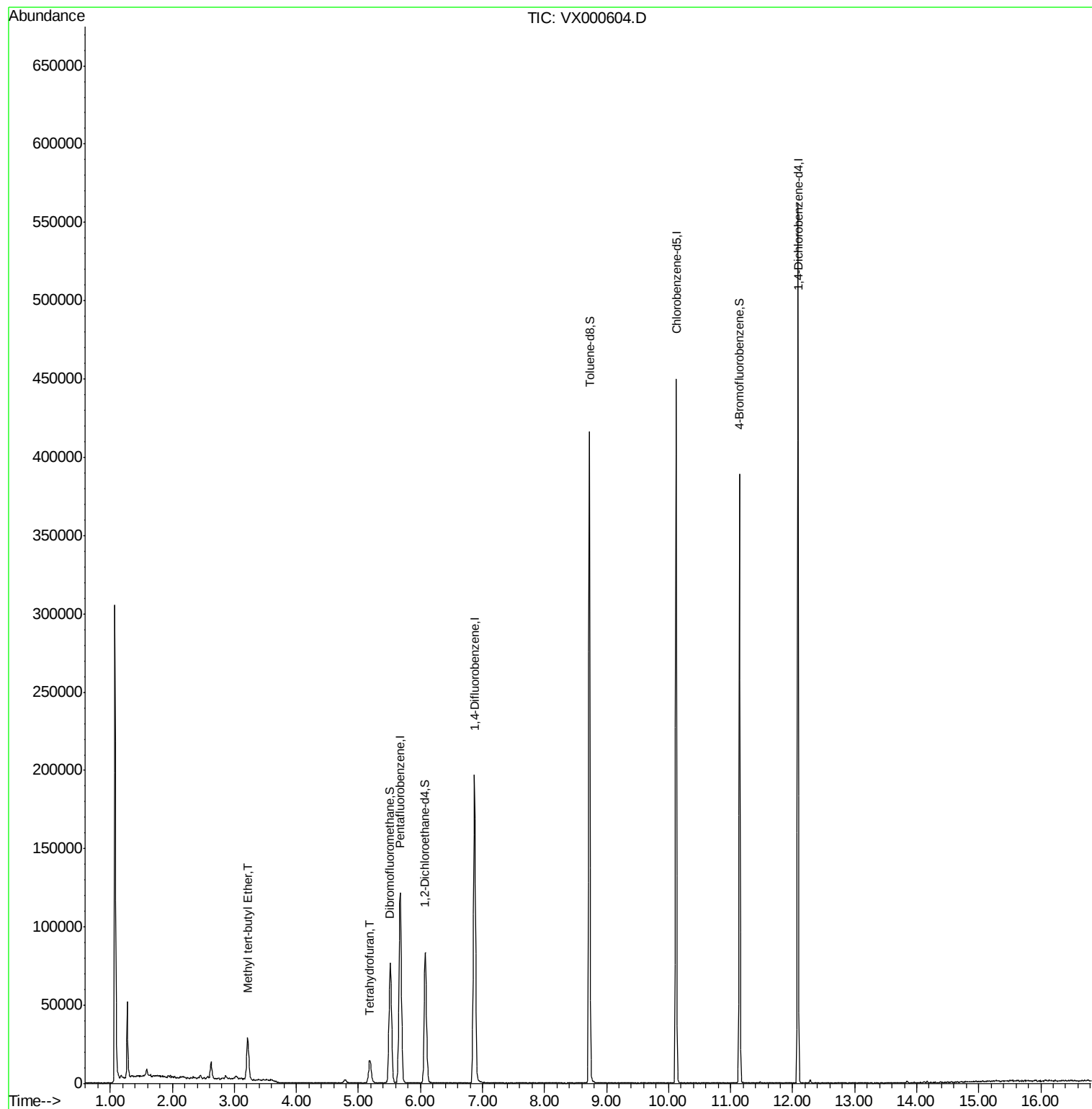
Quant Time: Apr 04 04:58:45 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

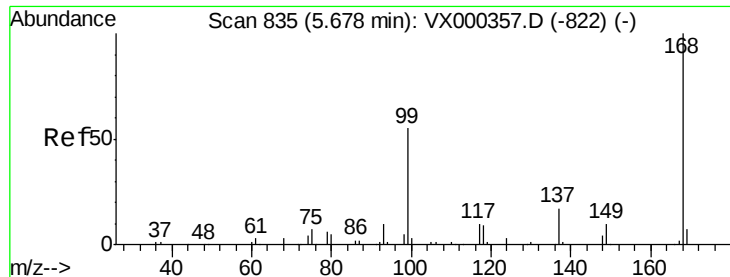
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	115404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192740	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	189613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103226	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	77810	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	5.51	113	60896	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.73	98	239035	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
62) 4-Bromofluorobenzene	11.15	95	86113	41.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.38%	
Target Compounds						
19) Methyl tert-butyl Ether	3.21	73	28262	6.11	ug/l	97
29) Tetrahydrofuran	5.18	42	12629	14.57	ug/l #	79

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000604.D

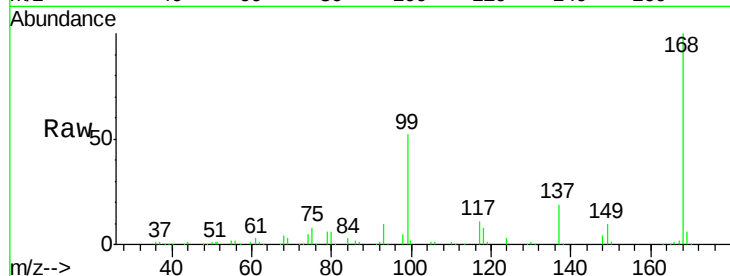
Acq: 31 Mar 2018 19:59

Tot Ion:168 Resp: 115404

Ion Ratio Lower Upper

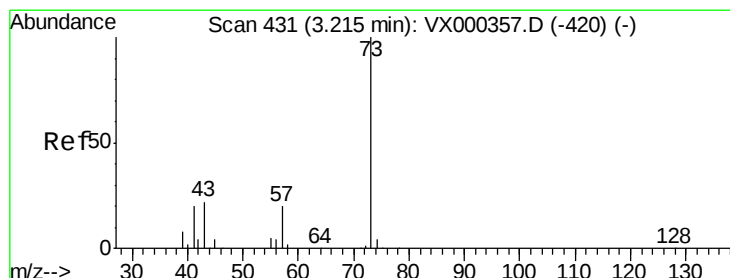
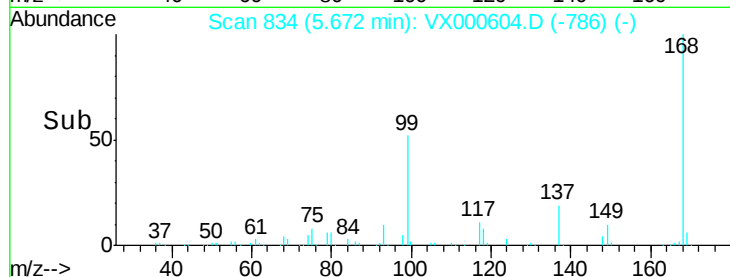
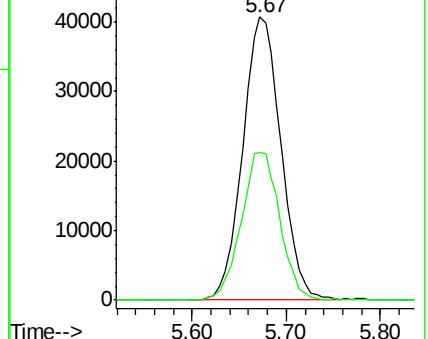
168 100

99 52.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#19

Methyl tert-butyl Ether

Concen: 6.11 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000604.D

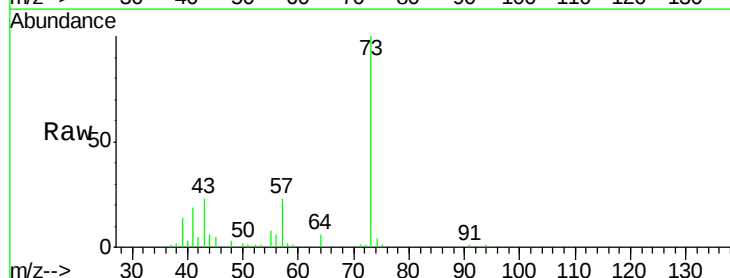
Acq: 31 Mar 2018 19:59

Tgt Ion: 73 Resp: 28262

Ion Ratio Lower Upper

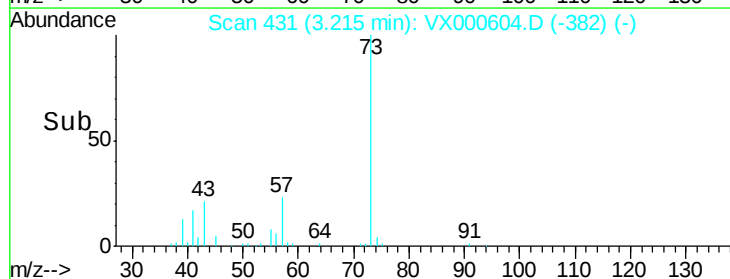
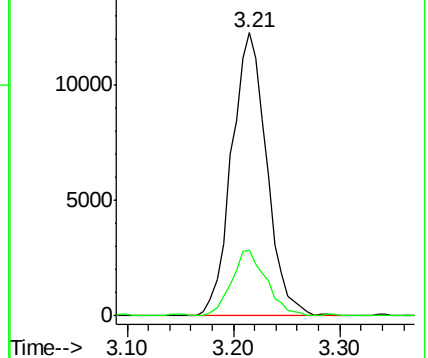
73 100

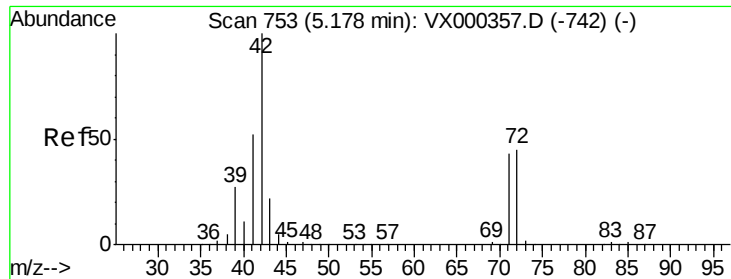
57 23.0 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#29

Tetrahydrofuran

Concen: 14.57 ug/l

RT: 5.18 min Scan# 754

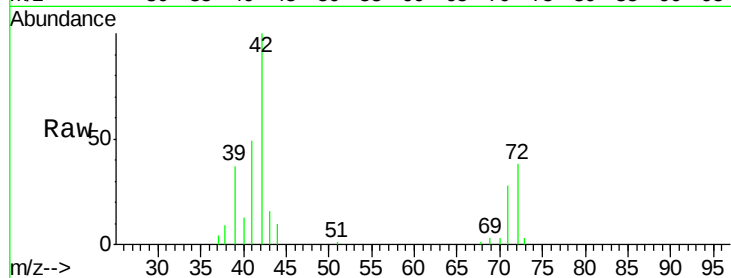
Delta R.T. 0.01 min

Lab File: VX000604.D

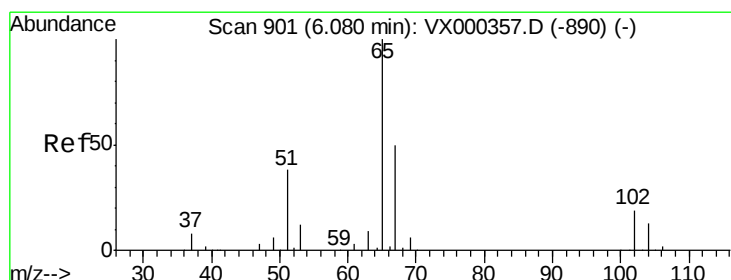
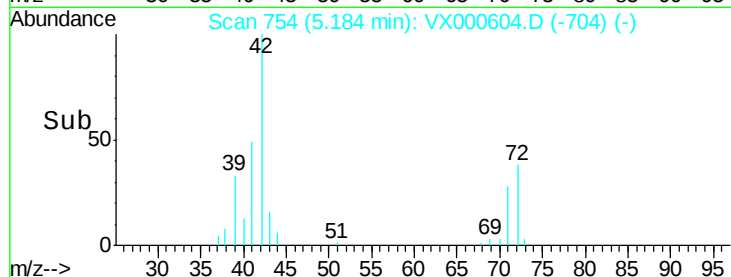
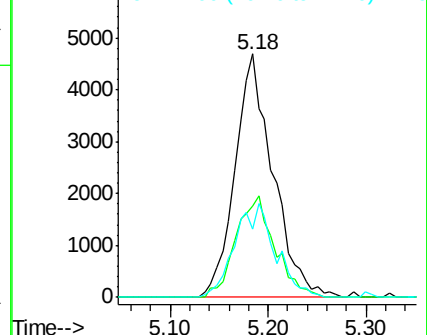
Acq: 31 Mar 2018 19:59

Tot Ion: 42 Resp: 12629

Ion	Ratio	Lower	Upper
42	100		
72	42.8	37.9	56.9
71	20.3	34.4	51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.65 ug/l

RT: 6.08 min Scan# 901

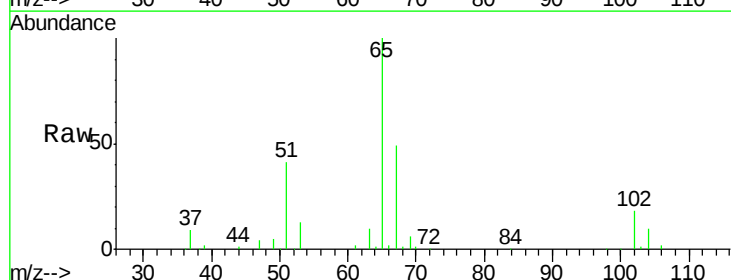
Delta R.T. 0.00 min

Lab File: VX000604.D

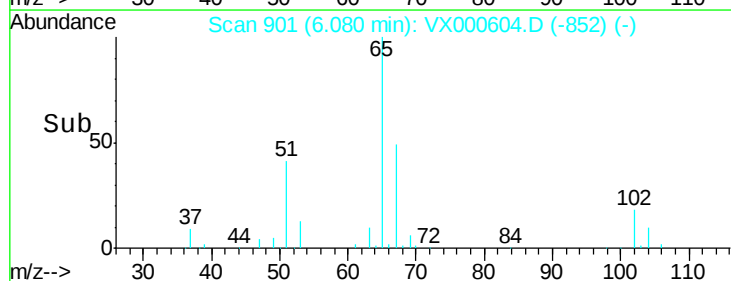
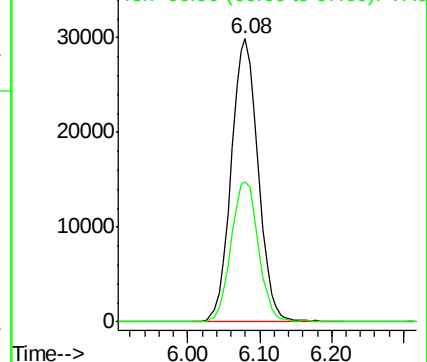
Acq: 31 Mar 2018 19:59

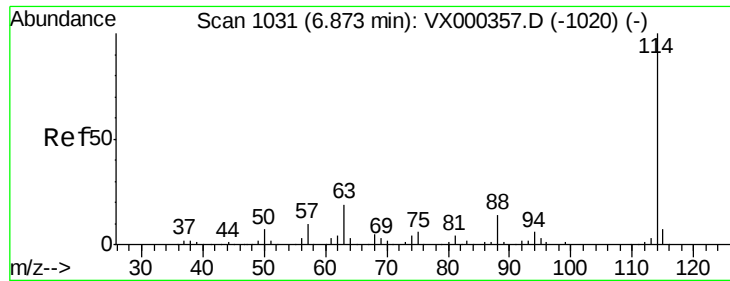
Tgt Ion: 65 Resp: 77810

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	103.2



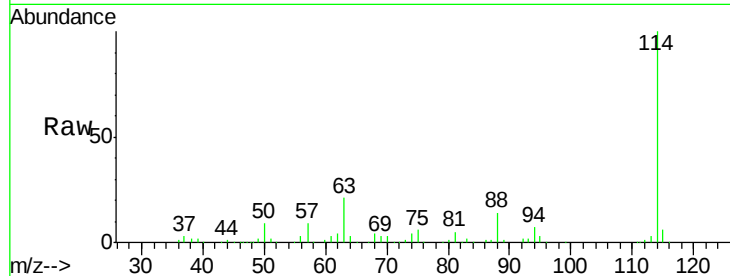
Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0



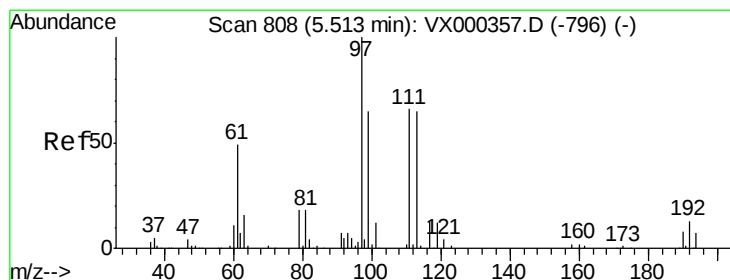
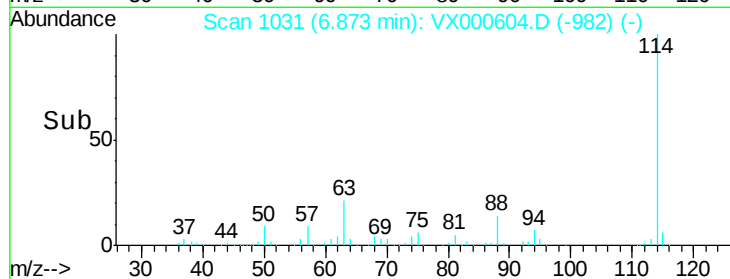
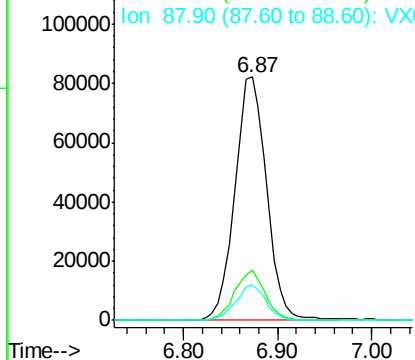


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000604.D
Acq: 31 Mar 2018 19:59

Tot Ion:114 Resp: 192740
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.4
88 14.2 0.0 27.0

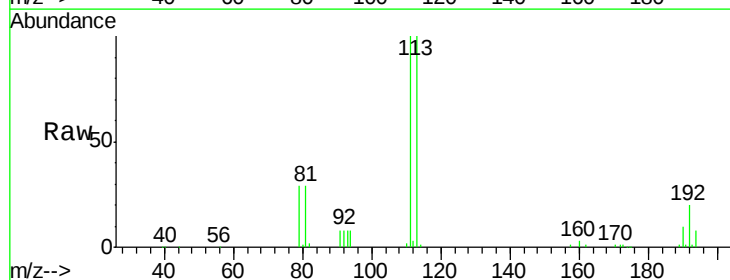


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

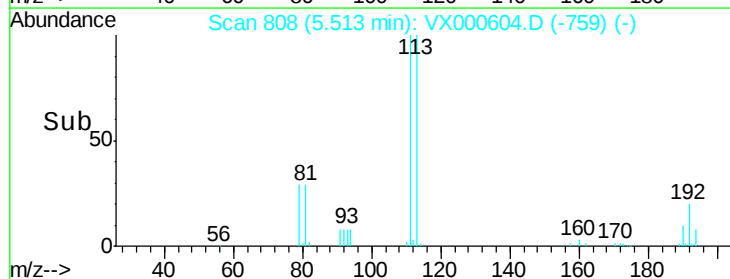
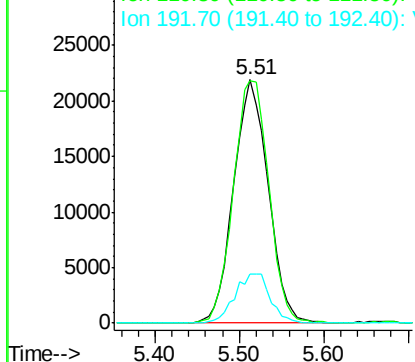


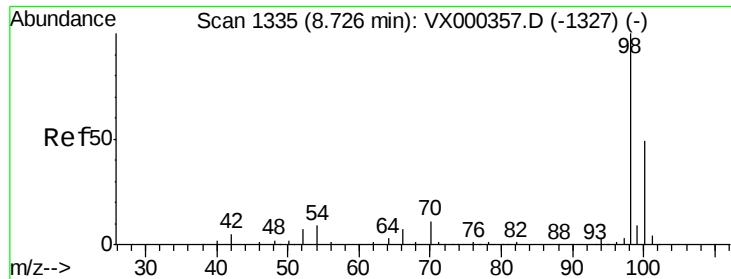
#35
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000604.D
Acq: 31 Mar 2018 19:59

Tgt Ion:113 Resp: 60896
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 20.6 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: 47.52 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000604.D

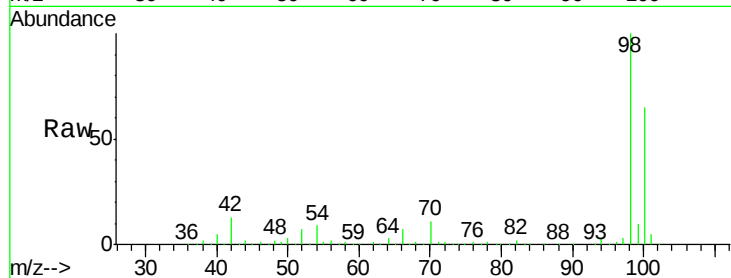
Acq: 31 Mar 2018 19:59

Tot Ion: 98 Resp: 239035

Ion Ratio Lower Upper

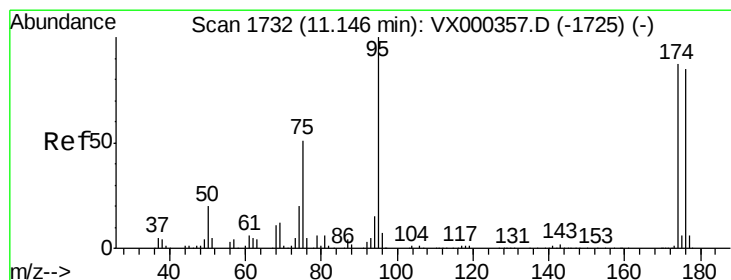
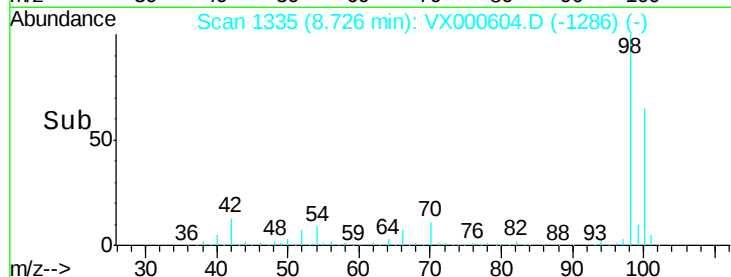
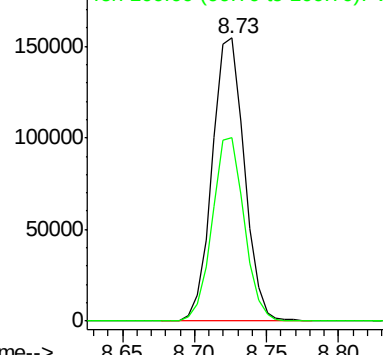
98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 41.69 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000604.D

Acq: 31 Mar 2018 19:59

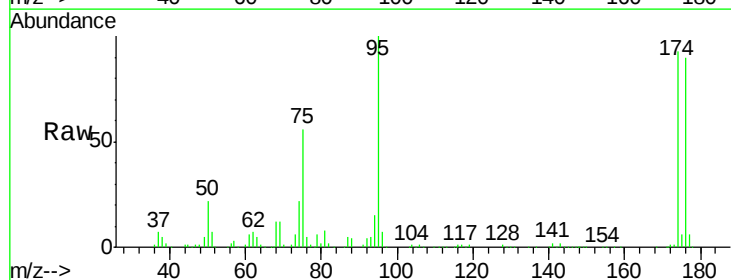
Tgt Ion: 95 Resp: 86113

Ion Ratio Lower Upper

95 100

174 91.3 0.0 173.6

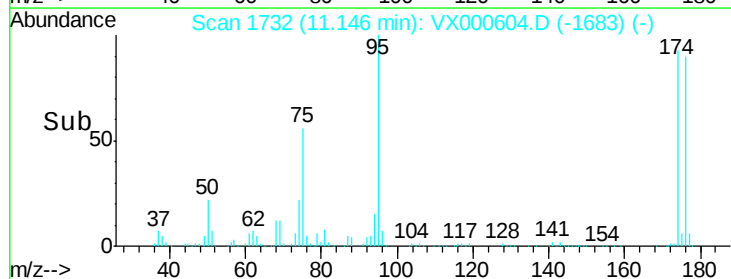
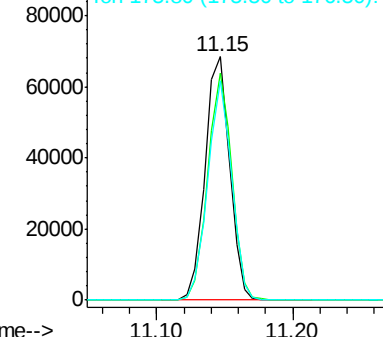
176 87.2 0.0 164.6

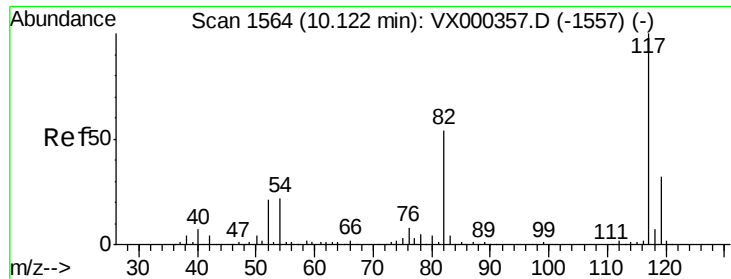


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

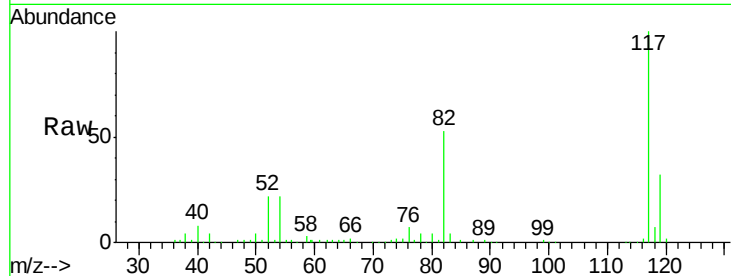
Ion 175.80 (175.50 to 176.50): V



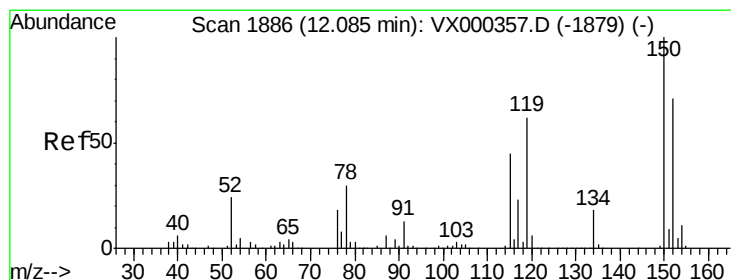
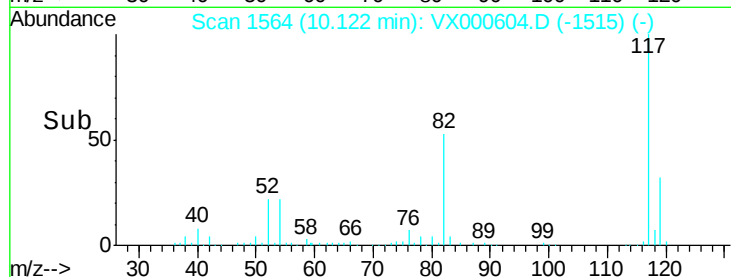
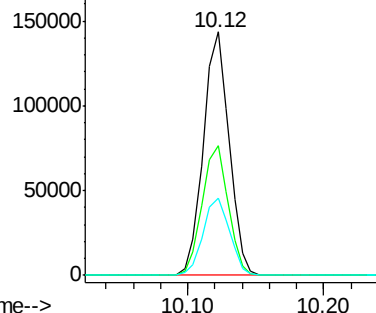


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000604.D
Acq: 31 Mar 2018 19:59

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.8	65.8
119	32.0	24.9	37.3

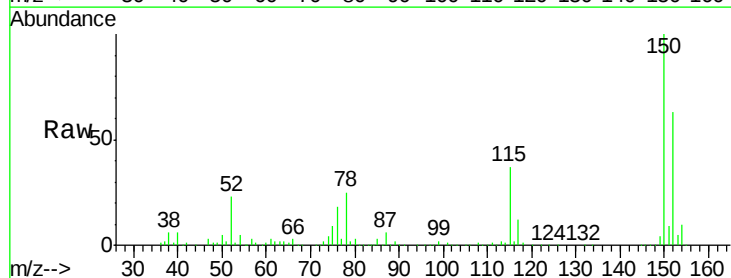


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000604.D
Acq: 31 Mar 2018 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	39.8	119.3
150	155.6	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

