

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041218\
 Data File : VX000830.D
 Acq On : 13 Apr 2018 04:02
 Operator : JC/MD
 Sample : J2236-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-040418

Quant Time: Apr 13 08:15:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	280209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365541	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219764	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	159537	45.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.30%	
35) Dibromofluoromethane	5.51	113	131572	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	
50) Toluene-d8	8.73	98	503508	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.15	95	196270	45.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.48%	

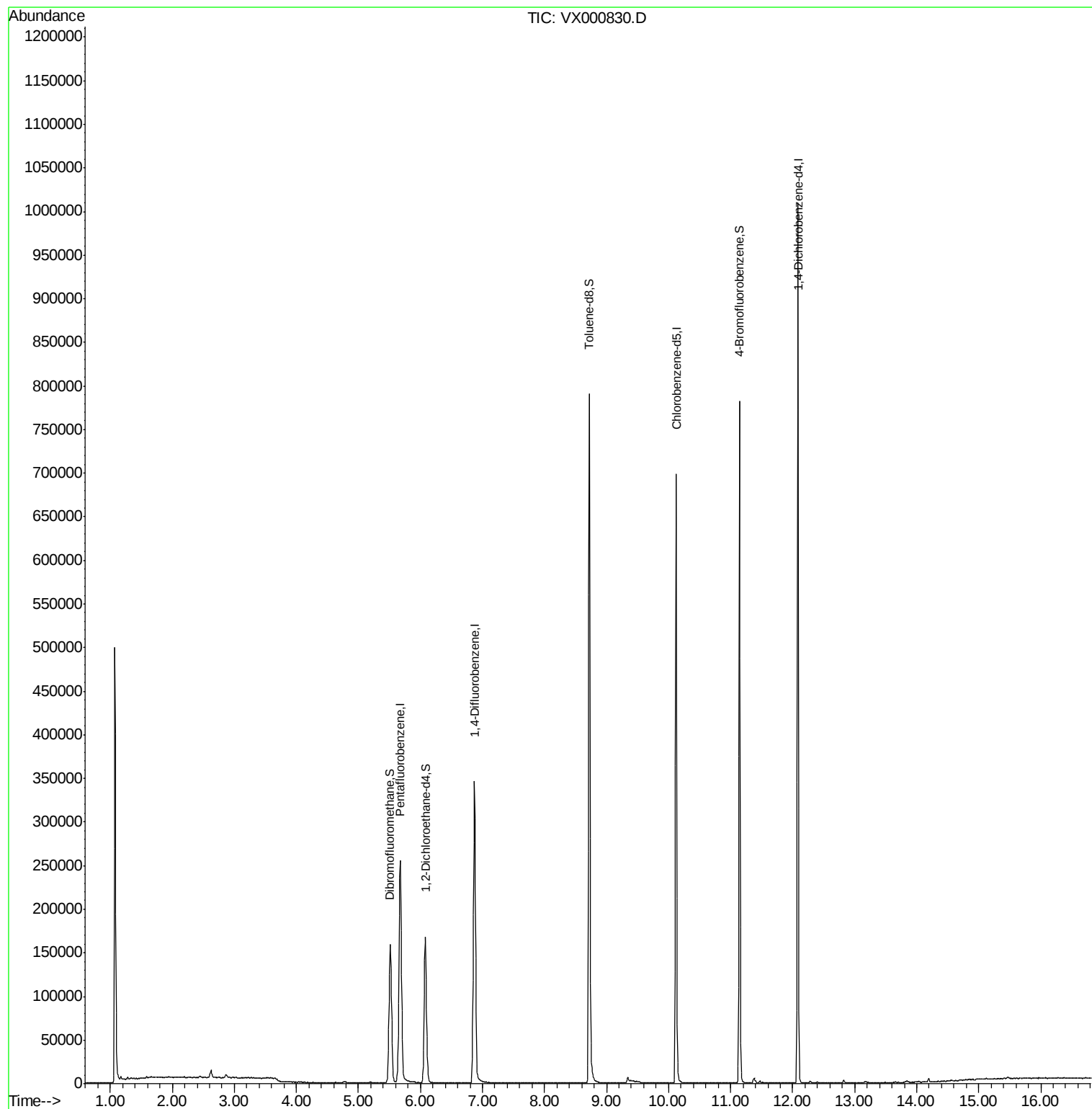
Target Compounds	Qvalue
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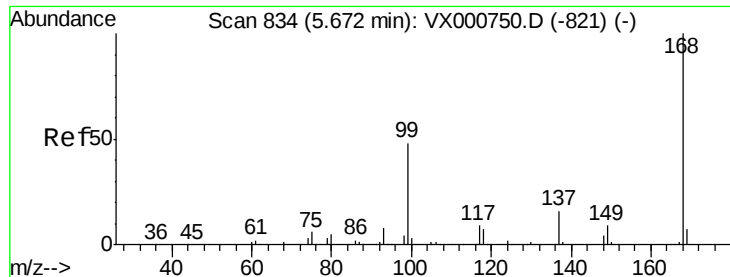
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000830.D

Acq: 13 Apr 2018 04:02

Instrument :

MSVOA_X

ClientSampled :

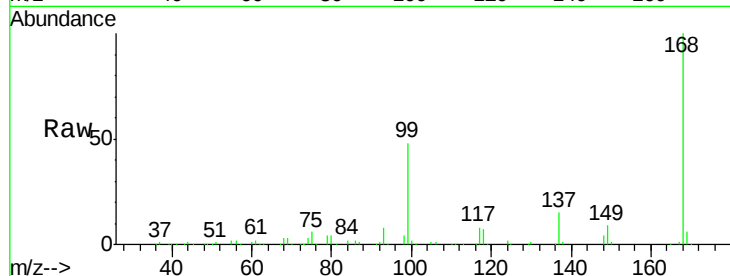
TB-040418

Tot Ion:168 Resp: 280209

Ion Ratio Lower Upper

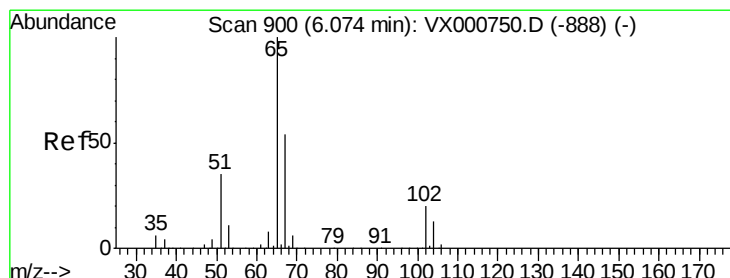
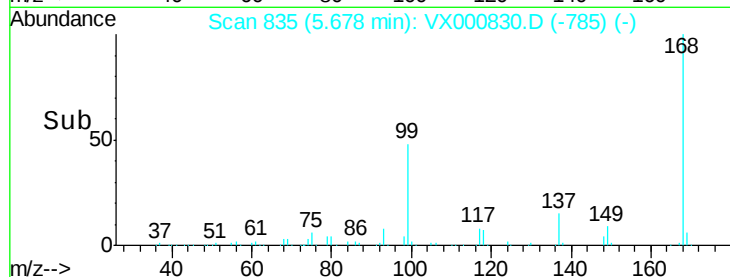
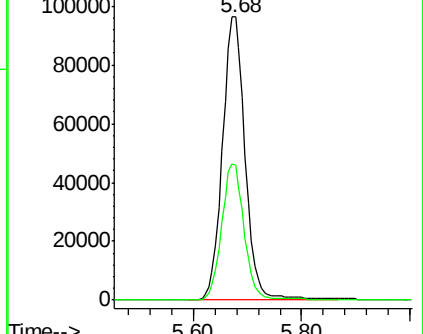
168 100

99 47.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.15 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000830.D

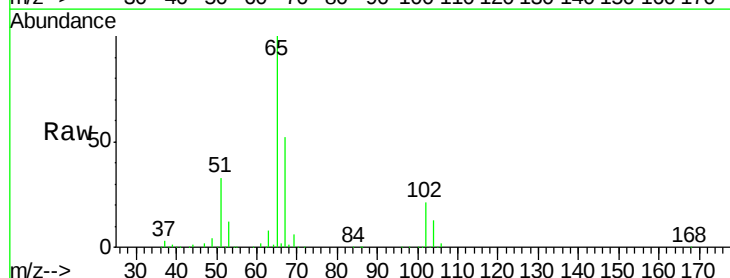
Acq: 13 Apr 2018 04:02

Tgt Ion: 65 Resp: 159537

Ion Ratio Lower Upper

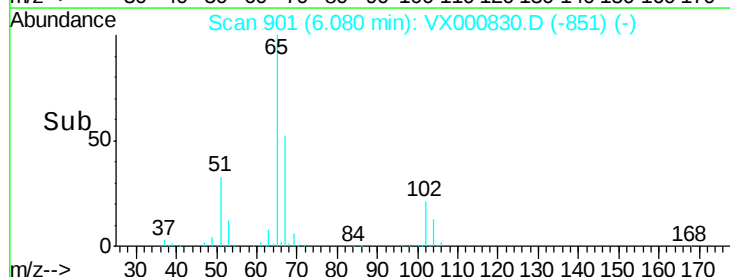
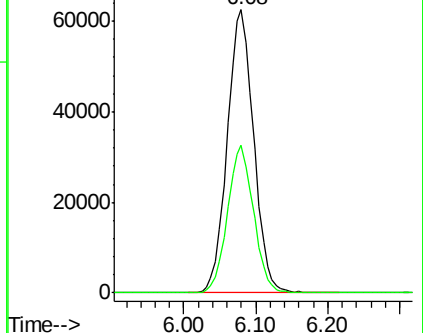
65 100

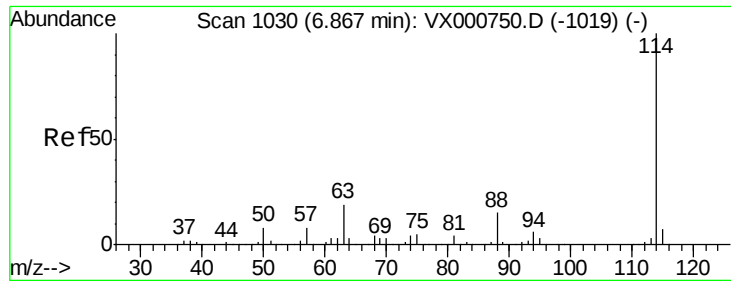
67 51.5 0.0 103.8



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. 0.01 min

Lab File: VX000830.D

Acq: 13 Apr 2018 04:02

Instrument :

MSVOA_X

ClientSampleId :

TB-040418

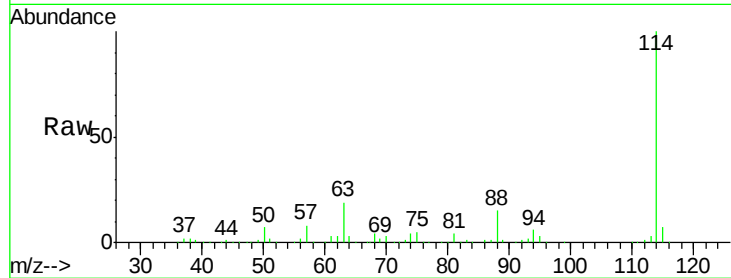
Tot Ion:114 Resp: 365541

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

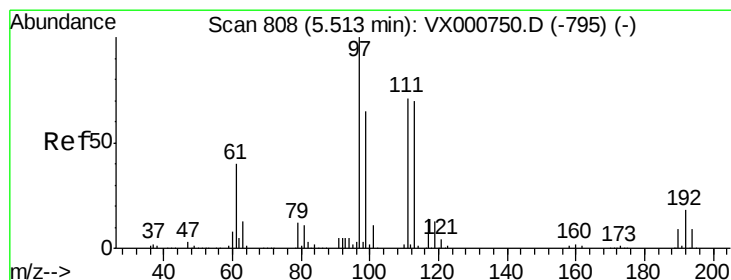
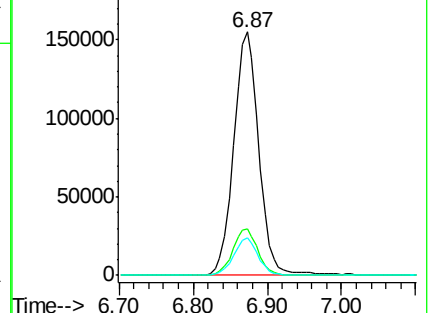
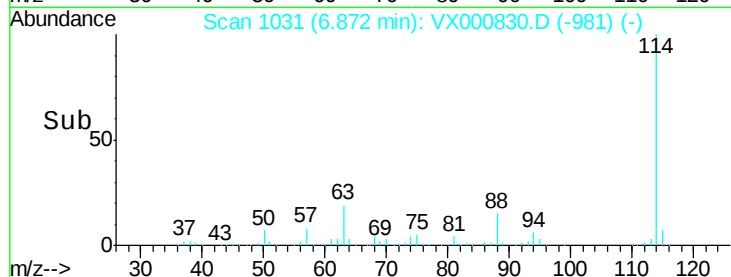
88 15.3 0.0 31.0



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: 46.72 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000830.D

Acq: 13 Apr 2018 04:02

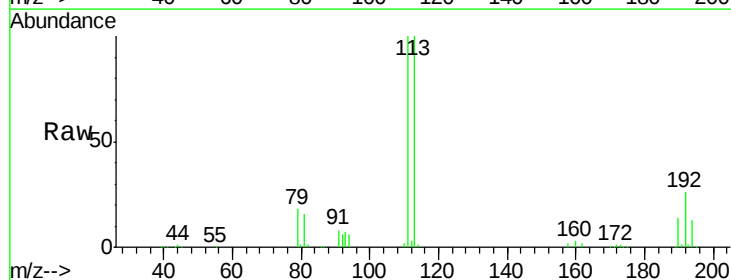
Tgt Ion:113 Resp: 131572

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

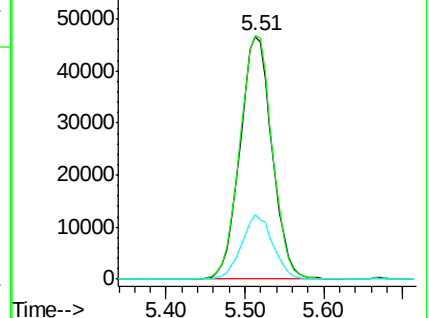
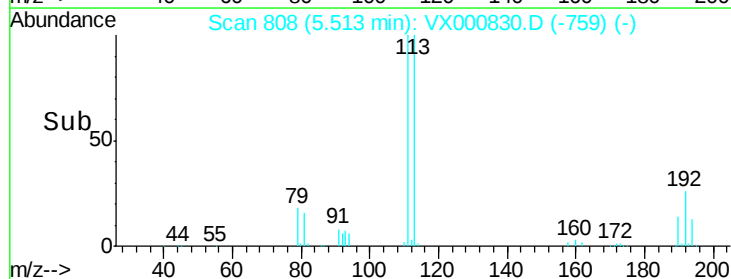
192 25.9 20.4 30.6

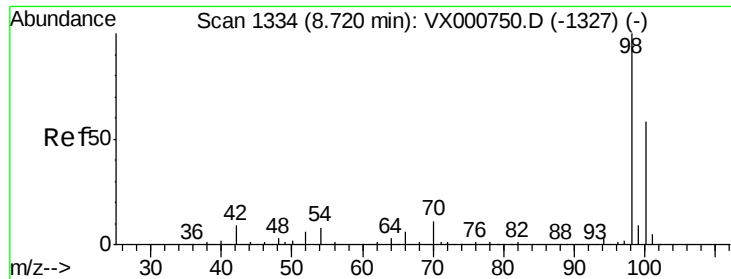


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.02 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000830.D

Acq: 13 Apr 2018 04:02

Instrument :

MSVOA_X

ClientSampleId :

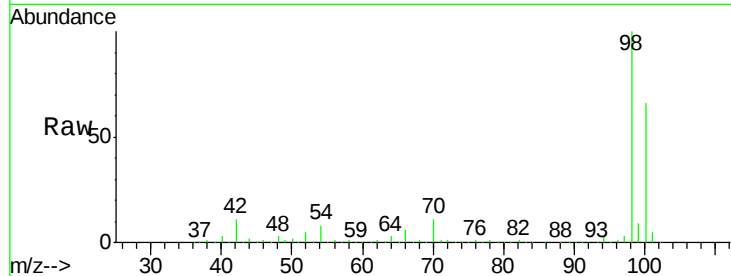
TB-040418

Tot Ion: 98 Resp: 503508

Ion Ratio Lower Upper

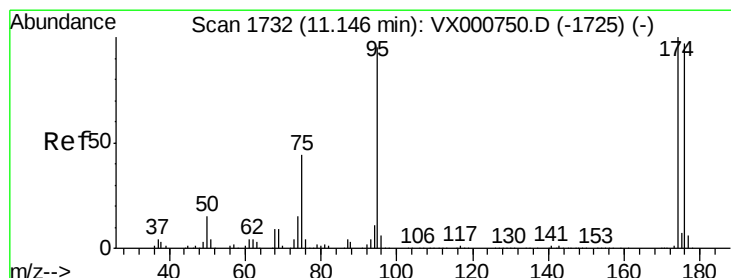
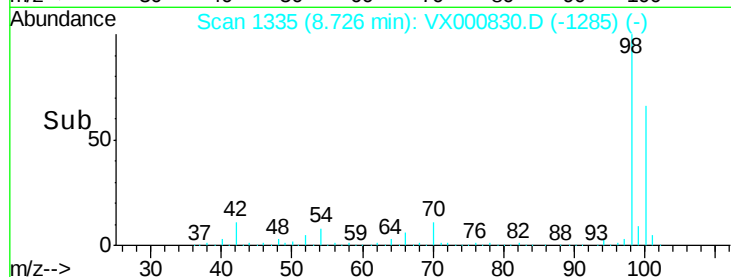
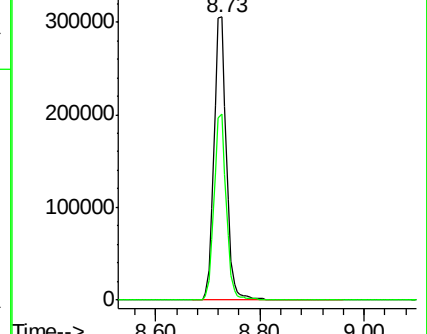
98 100

100 64.9 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.24 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000830.D

Acq: 13 Apr 2018 04:02

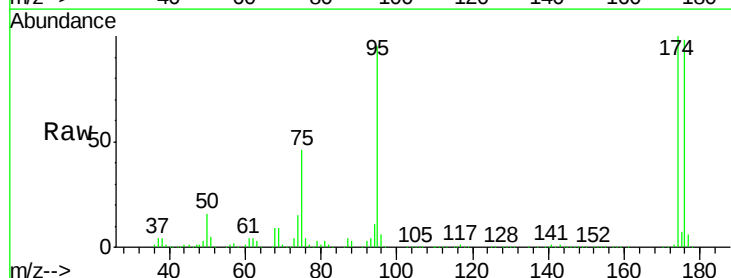
Tgt Ion: 95 Resp: 196270

Ion Ratio Lower Upper

95 100

174 98.8 0.0 198.4

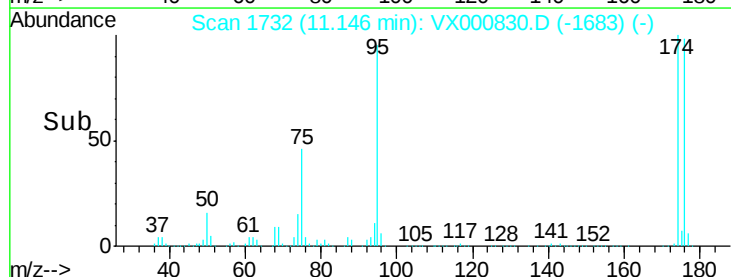
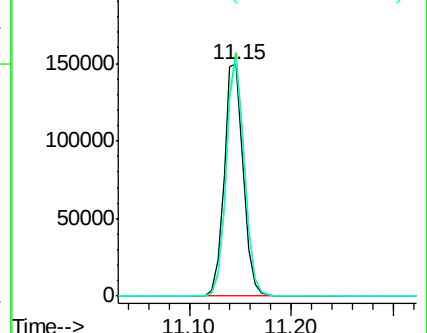
176 96.2 0.0 194.4



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

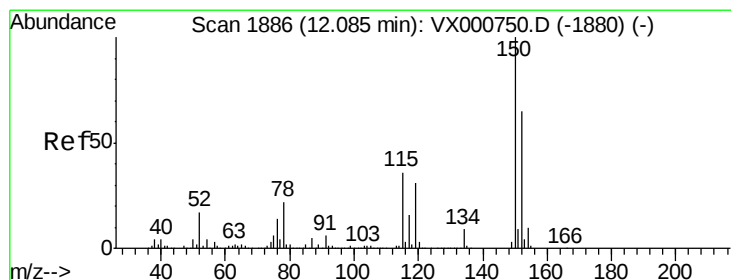
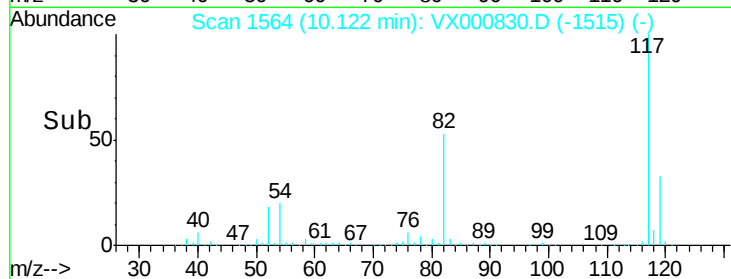
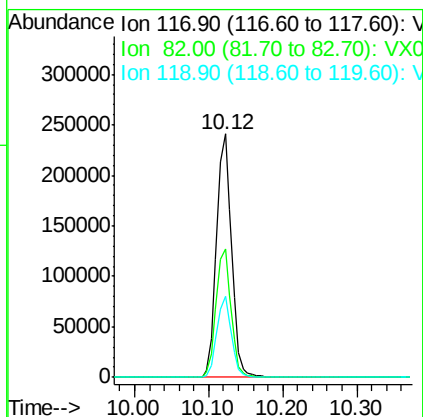
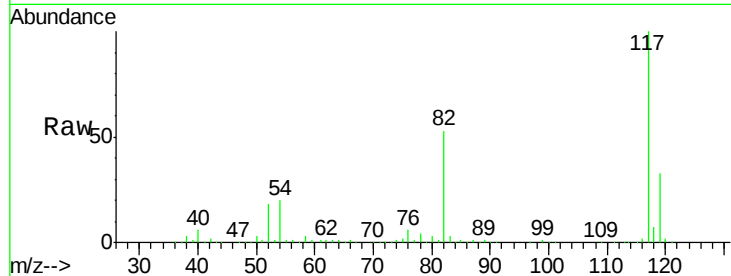




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000830.D
Acq: 13 Apr 2018 04:02

Instrument :
MSVOA_X
ClientSampleId :
TB-040418

Tot Ion:117 Resp: 333687
Ion Ratio Lower Upper
117 100
82 52.6 41.9 62.9
119 33.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000830.D
Acq: 13 Apr 2018 04:02

Tgt Ion:152 Resp: 219764
Ion Ratio Lower Upper
152 100
115 53.5 37.9 113.7
150 155.3 0.0 348.0

