

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\
 Data File : VX010157.D
 Acq On : 08 Jun 2019 22:33
 Operator : JC/SP
 Sample : K3249-09 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP03-20190606

Quant Time: Jun 10 08:59:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441900	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	399560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183446	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	131842	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
35) Dibromofluoromethane	5.50	113	136264	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.71	98	517081	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	177222	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

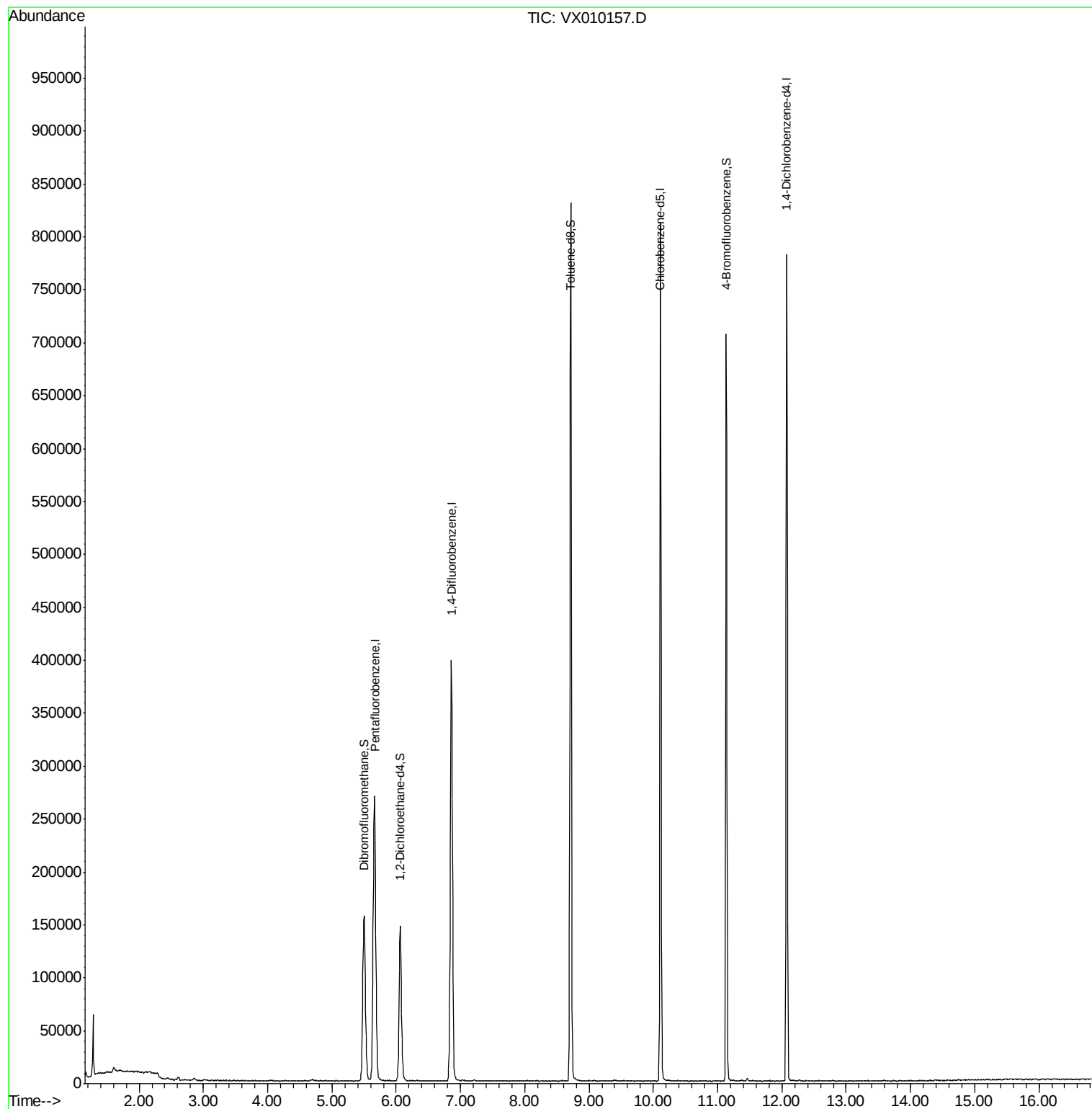
Target Compounds	Qvalue

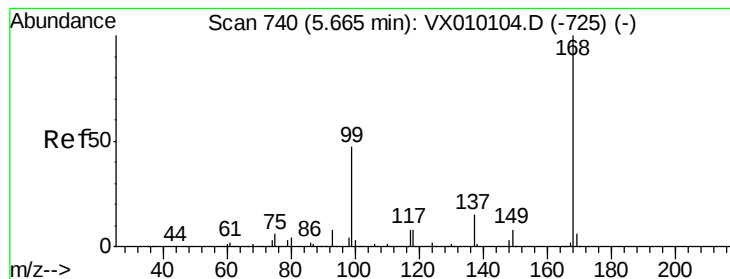
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010157.D

Acq: 08 Jun 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

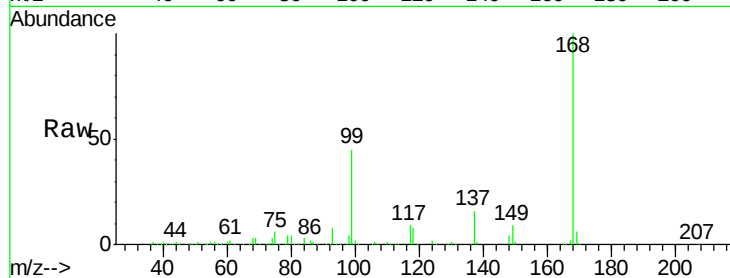
BP-DUP03-20190606

Tot Ion:168 Resp: 293024

Ion Ratio Lower Upper

168 100

99 45.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

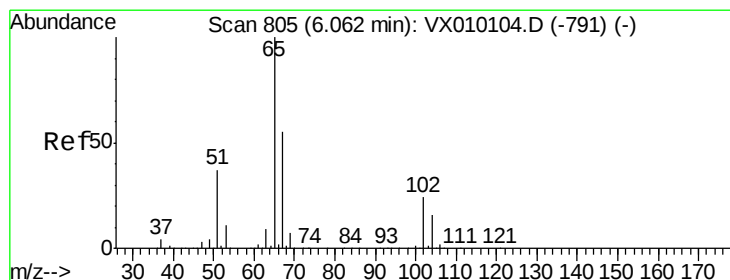
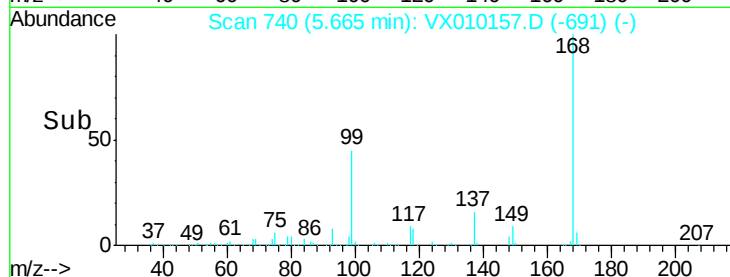
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 46.095 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010157.D

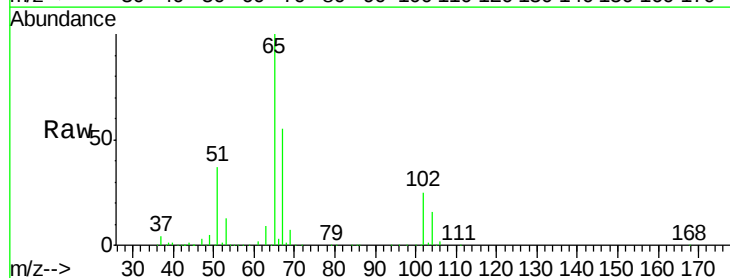
Acq: 08 Jun 2019 22:33

Tgt Ion: 65 Resp: 131842

Ion Ratio Lower Upper

65 100

67 55.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

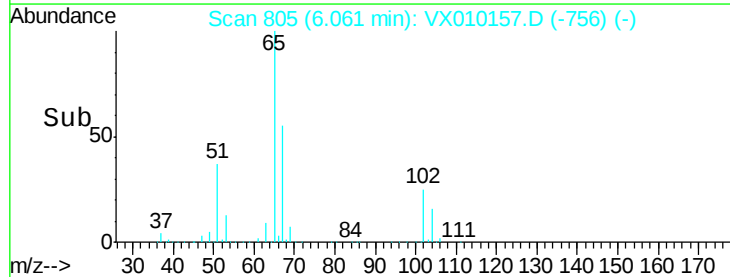
30000

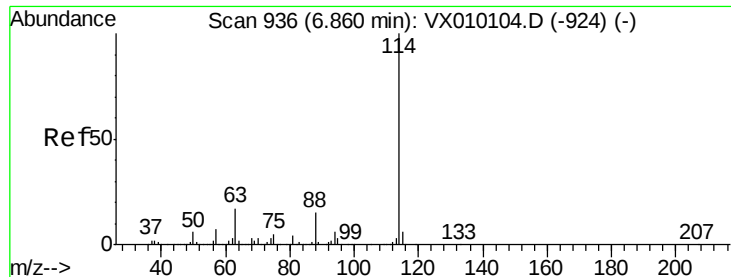
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010157.D

Acq: 08 Jun 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190606

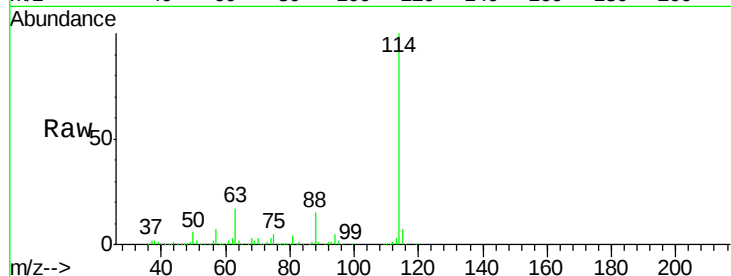
Tot Ion:114 Resp: 441900

Ion Ratio Lower Upper

114 100

63 16.7 0.0 47.4

88 14.9 0.0 33.0



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

250000

200000

150000

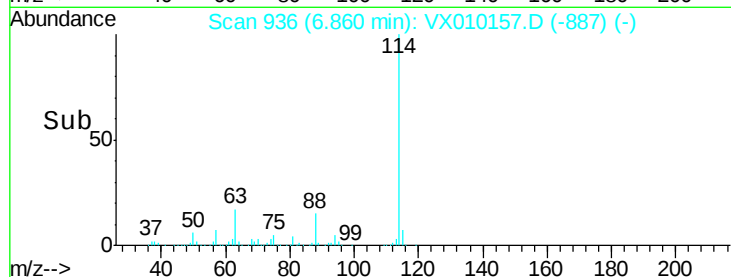
100000

50000

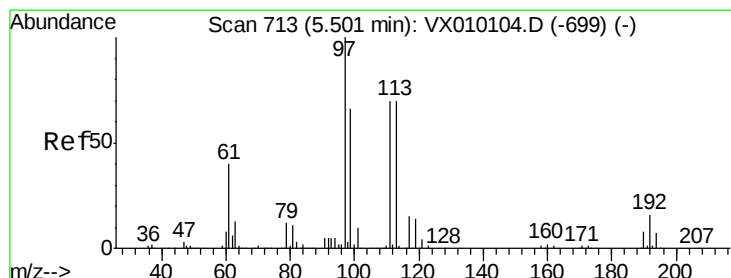
0

6.86

6.70 6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 49.991 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010157.D

Acq: 08 Jun 2019 22:33

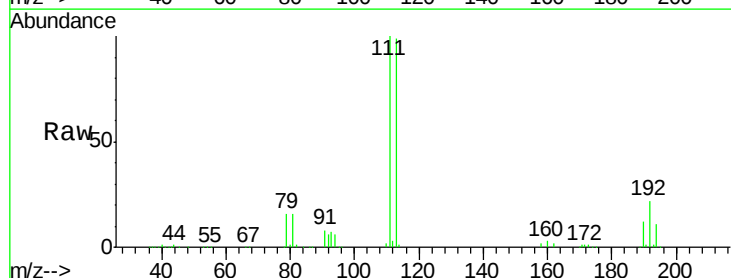
Tgt Ion:113 Resp: 136264

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

192 23.2 17.1 25.7



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

60000

50000

40000

30000

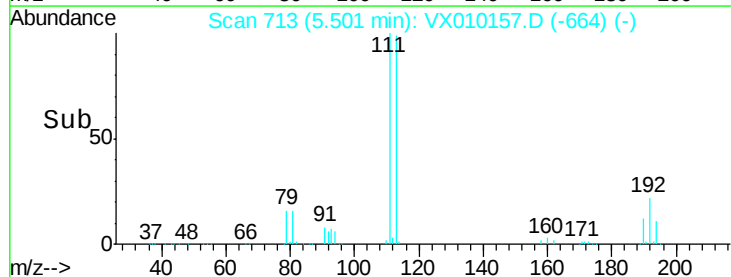
20000

10000

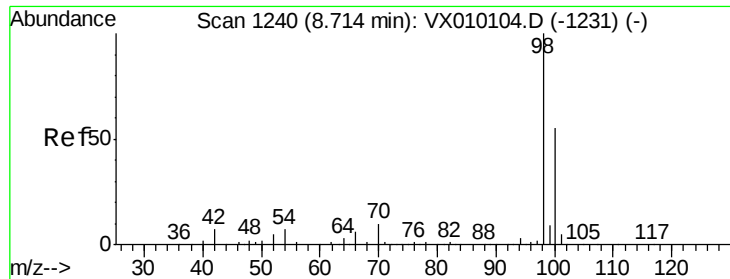
0

5.50

5.40 5.50 5.60 5.70



Time-->



#50

Toluene-d8

Concen: 50.617 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010157.D

Acq: 08 Jun 2019 22:33

Instrument :

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ClientSampleId :

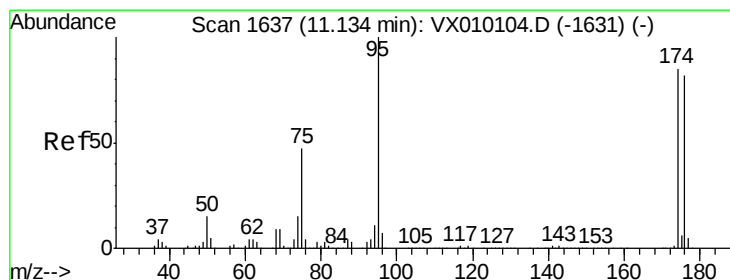
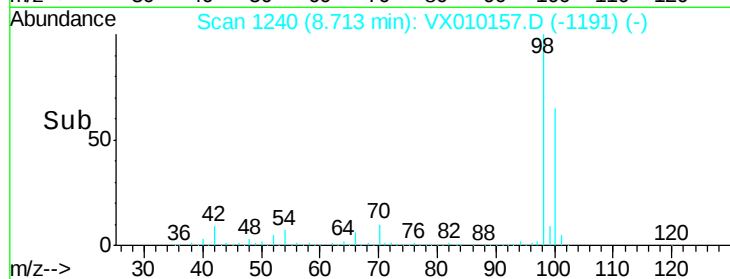
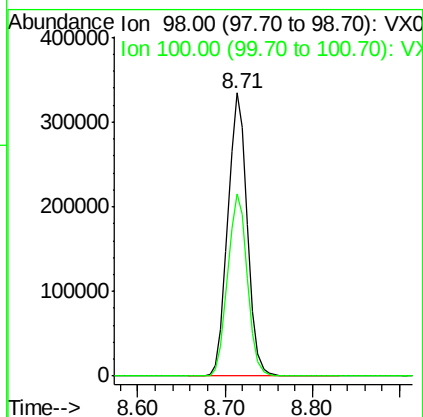
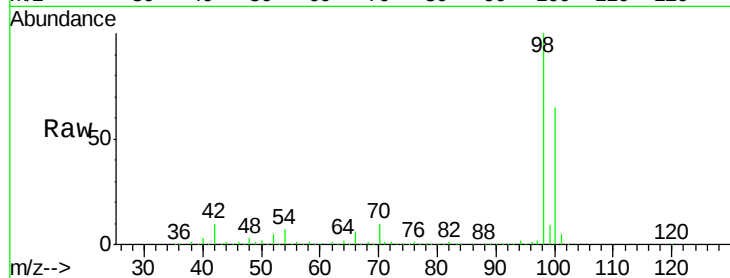
BP-DUP03-20190606

Tot Ion: 98 Resp: 517081

Ion Ratio Lower Upper

98 100

100 64.8 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 46.452 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010157.D

Acq: 08 Jun 2019 22:33

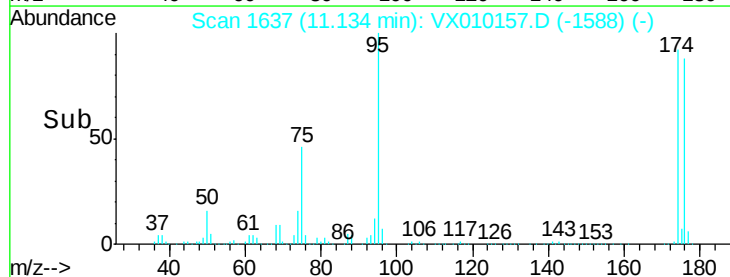
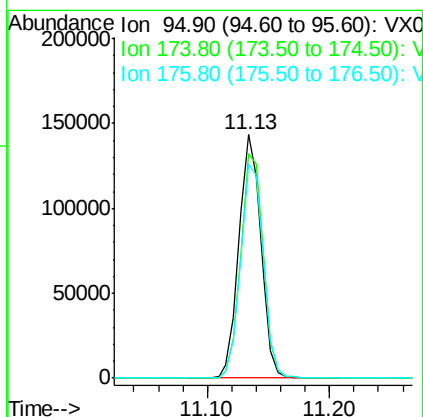
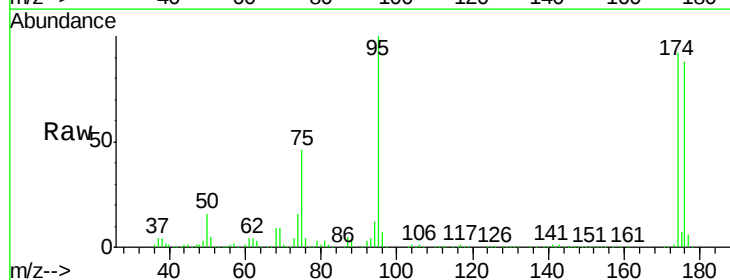
Tgt Ion: 95 Resp: 177222

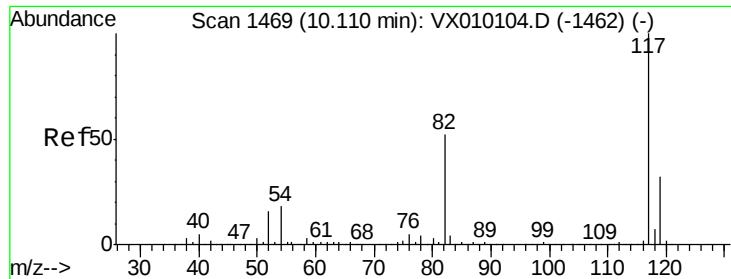
Ion Ratio Lower Upper

95 100

174 94.6 0.0 160.4

176 91.1 0.0 154.6

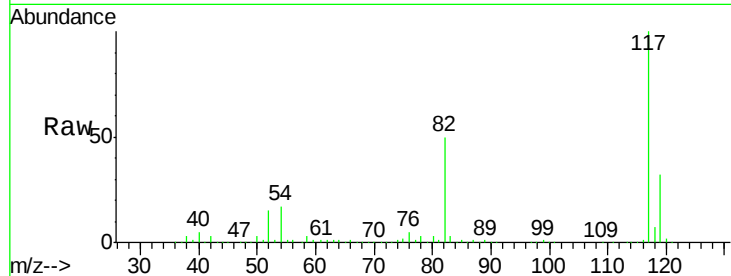




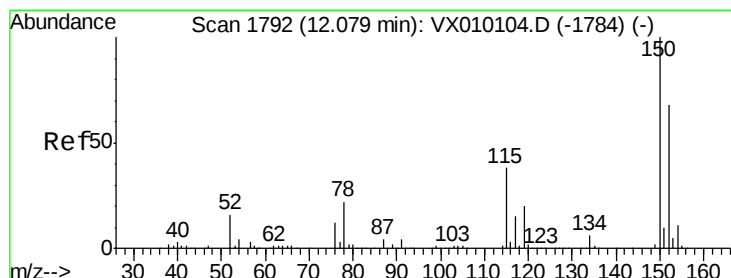
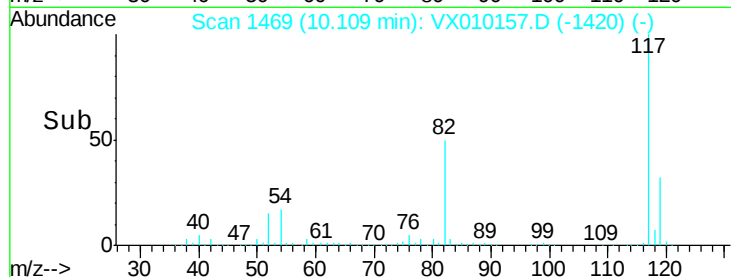
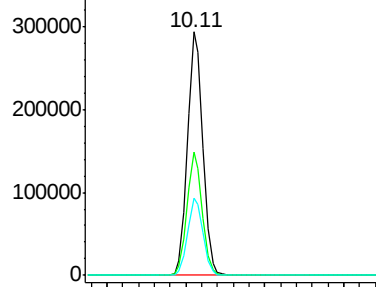
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX010157.D
 Acq: 08 Jun 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP03-20190606

Tot Ion:117 Resp: 399560
 Ion Ratio Lower Upper
 117 100
 82 50.5 49.2 73.8
 119 31.7 25.2 37.8

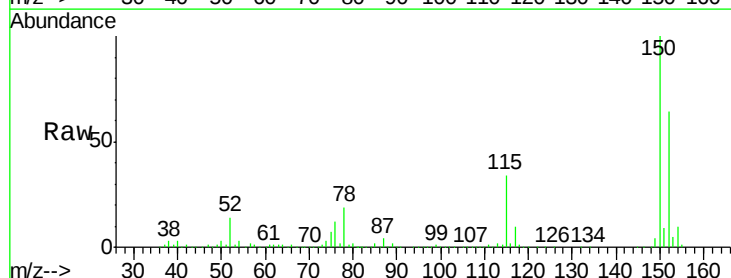


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX010157.D
 Acq: 08 Jun 2019 22:33

Tgt Ion:152 Resp: 183446
 Ion Ratio Lower Upper
 152 100
 115 54.4 41.4 124.2
 150 156.0 0.0 345.2



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

