

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\
 Data File : VX010150.D
 Acq On : 08 Jun 2019 19:50
 Operator : JC/SP
 Sample : K3249-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303S-20190606

Quant Time: Jun 10 08:46:53 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	292721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	440697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	399688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187833	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	129428	45.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.60%	
35) Dibromofluoromethane	5.50	113	135490	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
50) Toluene-d8	8.71	98	519297	50.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.13	95	180318	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	

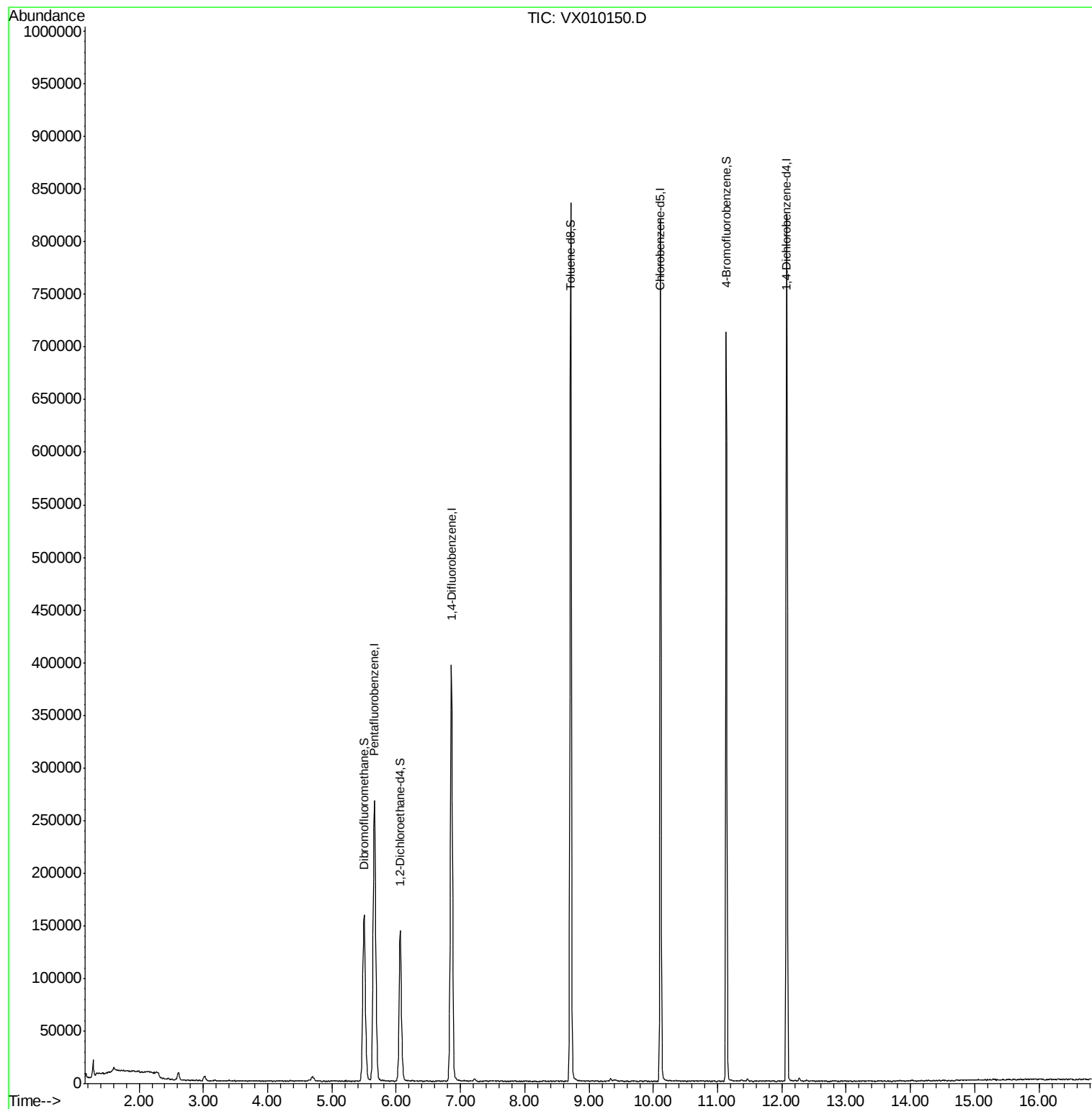
Target Compounds	Qvalue
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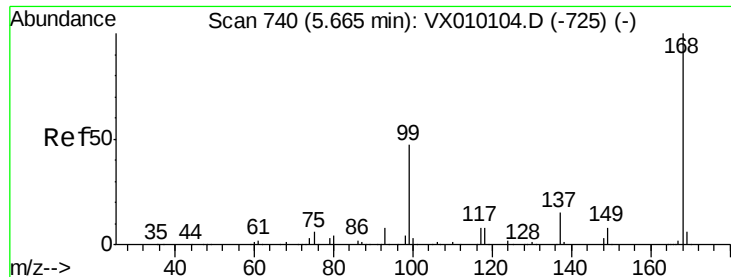
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010150.D

Acq: 08 Jun 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

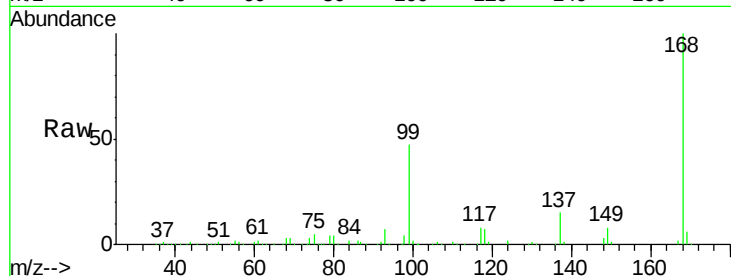
BPS1-TT-MW303S-20190606

Tot Ion:168 Resp: 292721

Ion Ratio Lower Upper

168 100

99 47.0 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

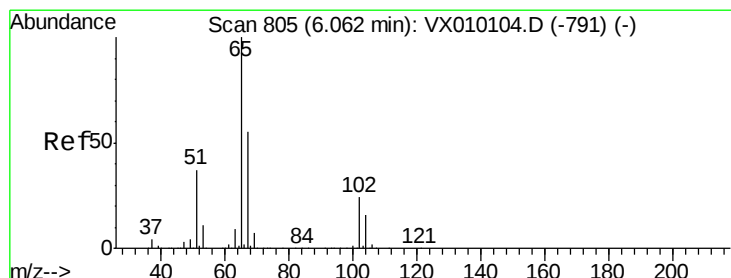
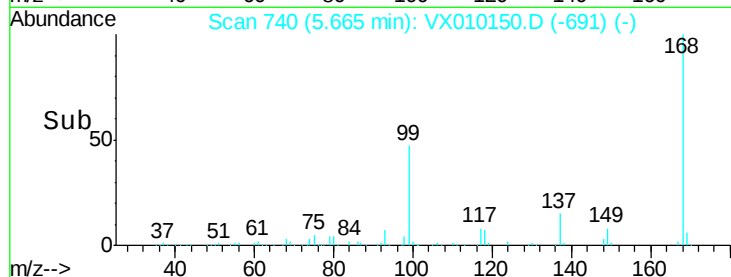
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 45.297 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010150.D

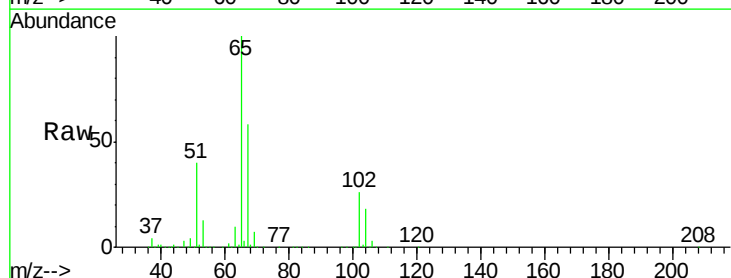
Acq: 08 Jun 2019 19:50

Tgt Ion: 65 Resp: 129428

Ion Ratio Lower Upper

65 100

67 56.0 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

50000

40000

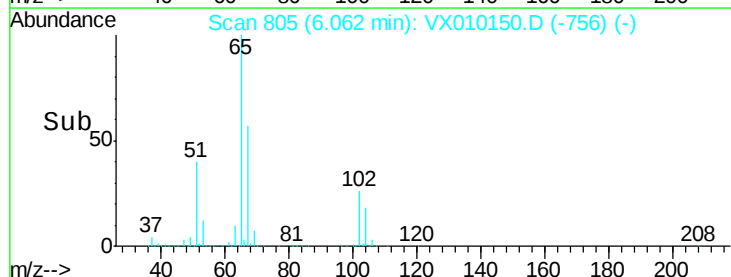
30000

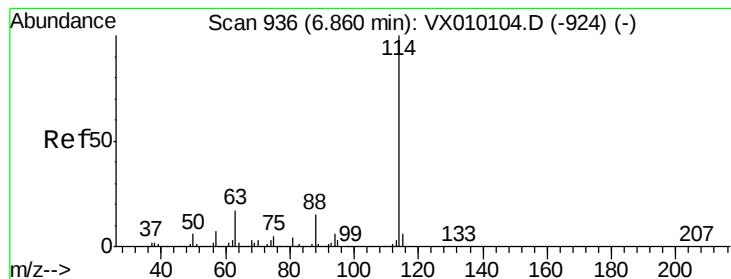
20000

10000

0

Time--> 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: VX010150.D

Acq: 08 Jun 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303S-20190606

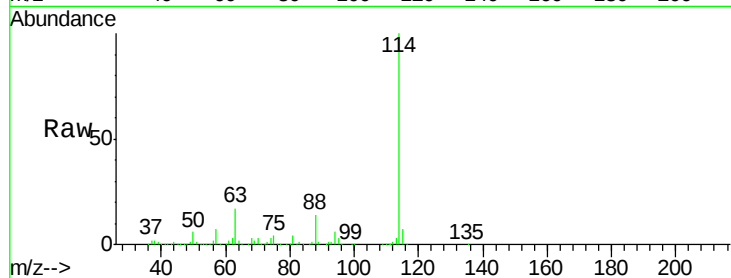
Tot Ion:114 Resp: 440697

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

88 13.9 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

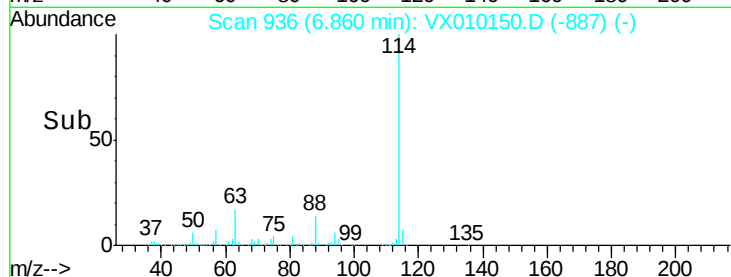
100000

50000

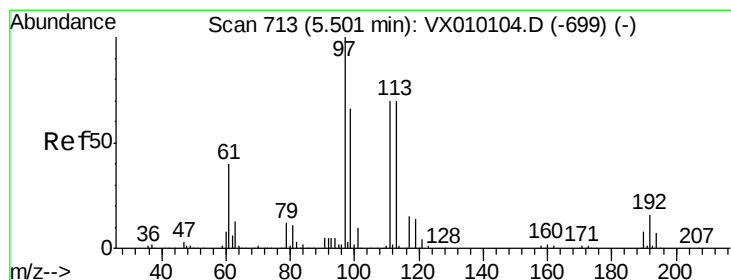
0

6.86

6.70 6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 49.843 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010150.D

Acq: 08 Jun 2019 19:50

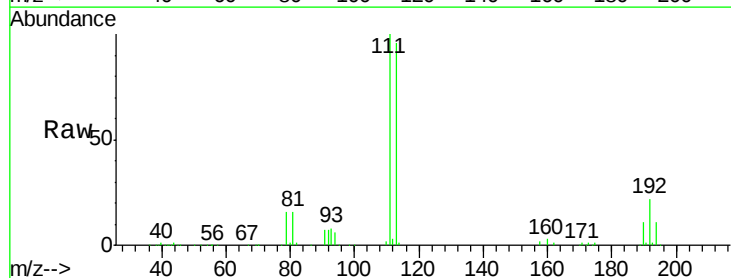
Tgt Ion:113 Resp: 135490

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 23.8 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

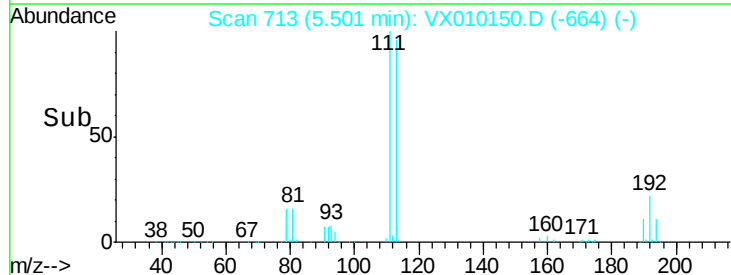
40000

20000

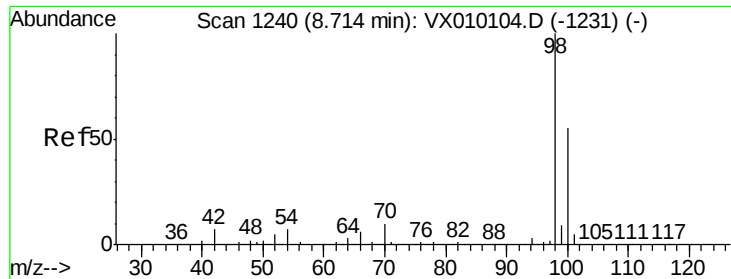
0

5.50

5.40 5.50 5.60



Time-->



#50

Toluene-d8

Concen: 50.972 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010150.D

Acq: 08 Jun 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

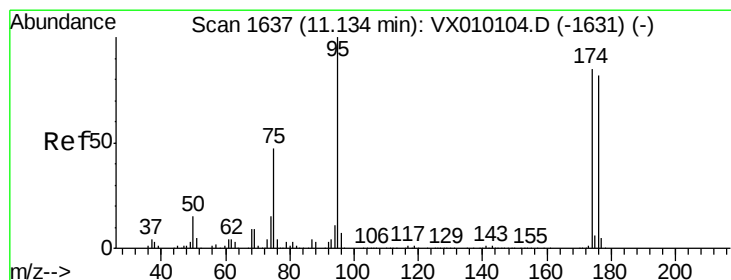
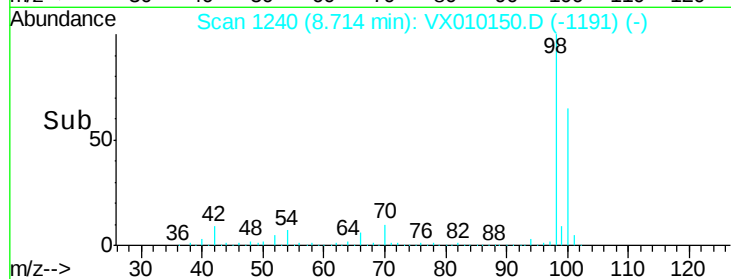
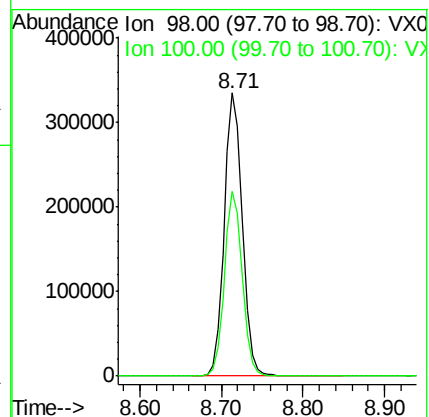
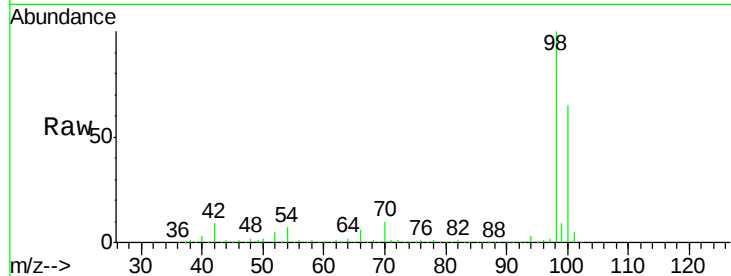
BPS1-TT-MW303S-20190606

Tot Ion: 98 Resp: 519297

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 47.393 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010150.D

Acq: 08 Jun 2019 19:50

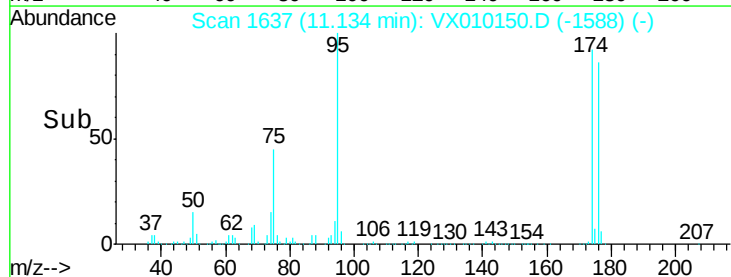
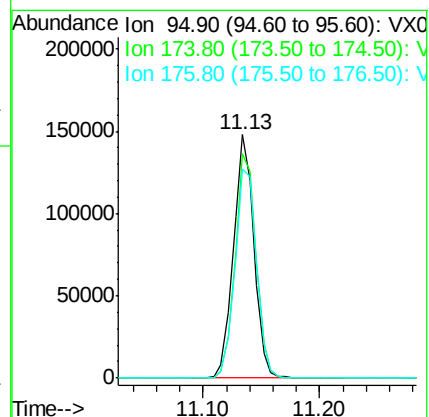
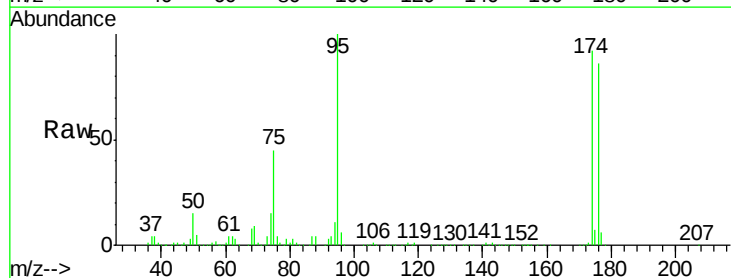
Tgt Ion: 95 Resp: 180318

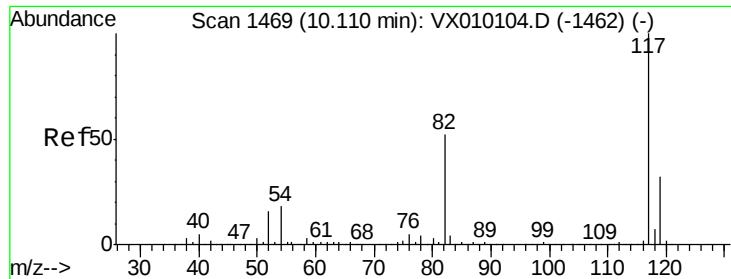
Ion Ratio Lower Upper

95 100

174 95.1 0.0 160.4

176 91.1 0.0 154.6

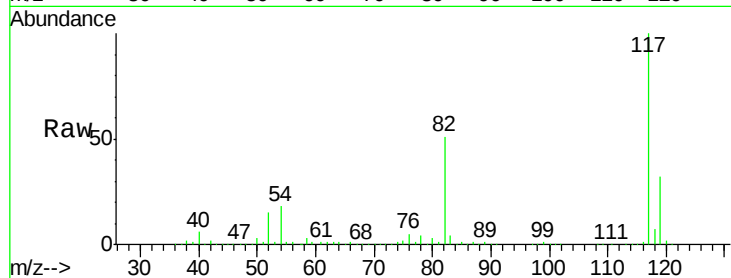




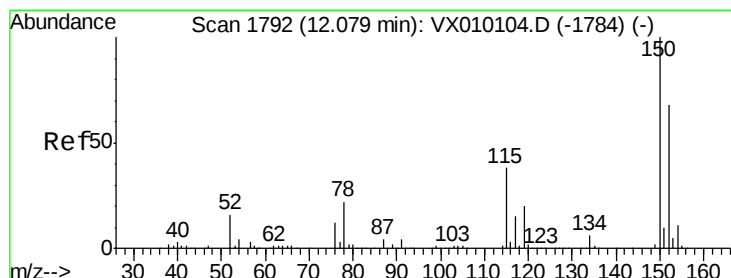
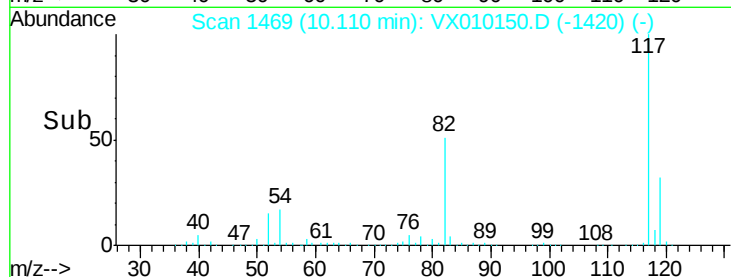
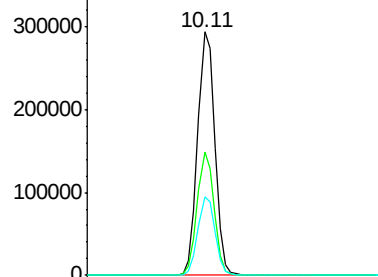
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010150.D
Acq: 08 Jun 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303S-20190606

Tot Ion:117 Resp: 399688
Ion Ratio Lower Upper
117 100
82 50.5 49.2 73.8
119 32.5 25.2 37.8

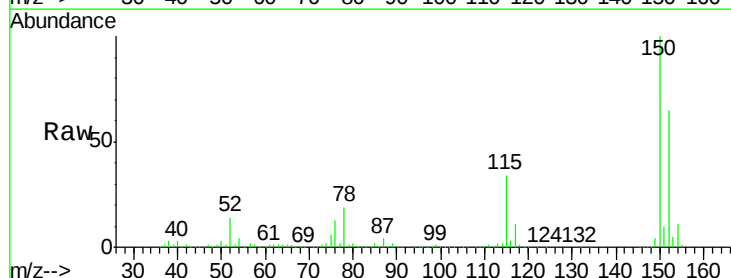


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010150.D
Acq: 08 Jun 2019 19:50

Tgt Ion:152 Resp: 187833
Ion Ratio Lower Upper
152 100
115 54.3 41.4 124.2
150 157.2 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

