

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061054.D
 Acq On : 17 Apr 2020 16:31
 Operator : JC/MD
 Sample : L2337-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-363-365

Quant Time: Apr 20 03:55:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	152453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	259807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	244919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105045	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	103826	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	7.56	113	77837	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.08	98	322527	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
62) 4-Bromofluorobenzene	12.39	95	119599	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

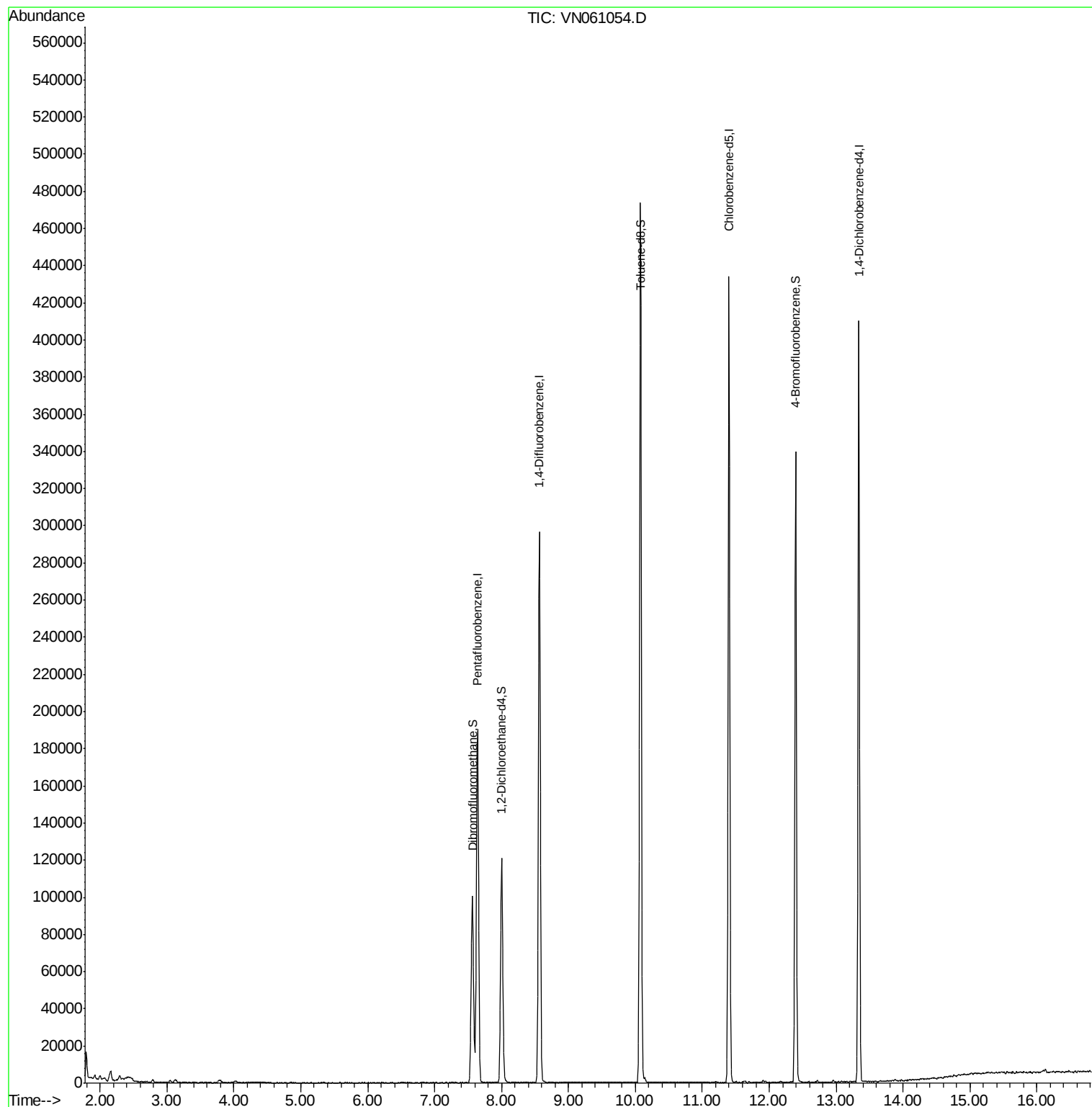
Target Compounds	Qvalue

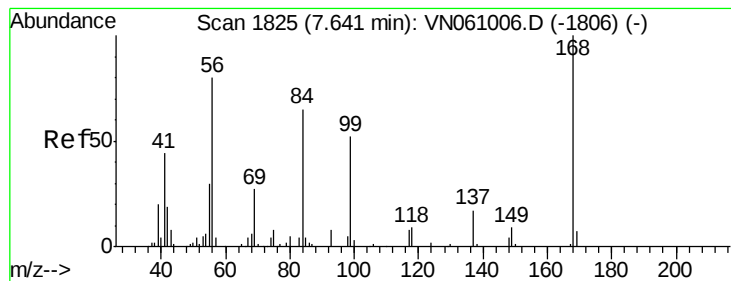
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061054.D

Acq: 17 Apr 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

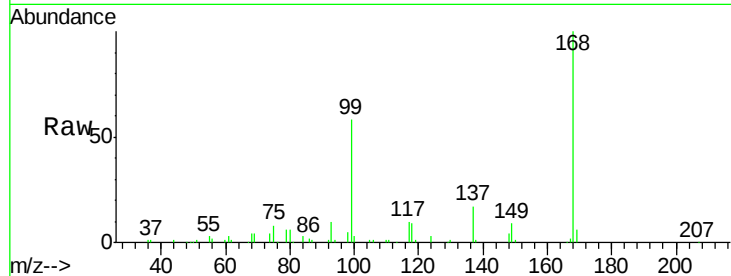
BP-VPB180-GW-363-365

Tot Ion:168 Resp: 152453

Ion Ratio Lower Upper

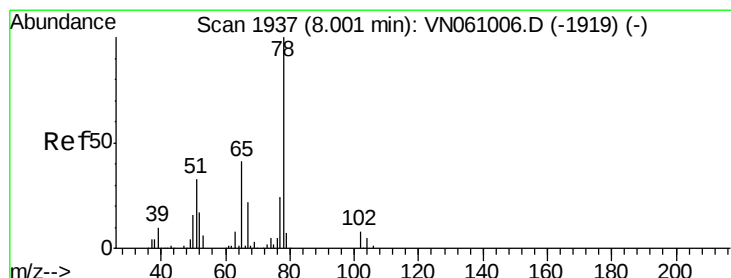
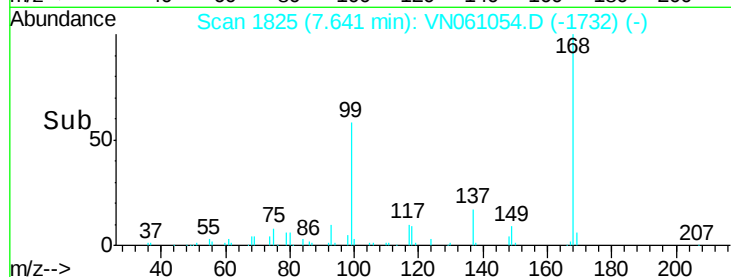
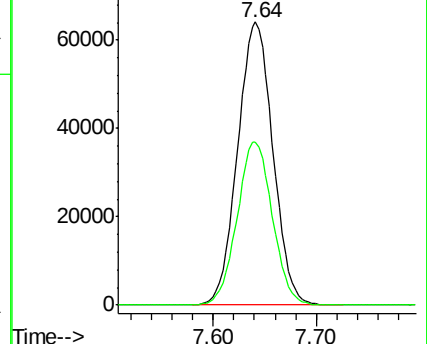
168 100

99 57.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 53.230 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061054.D

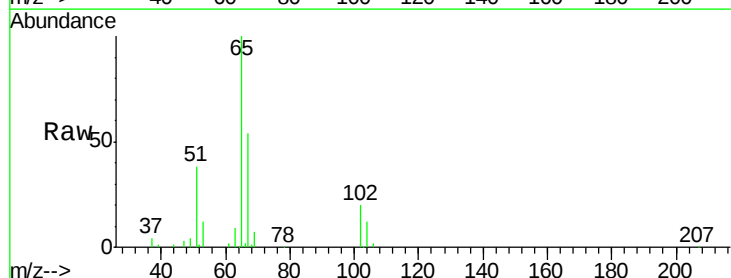
Acq: 17 Apr 2020 16:31

Tgt Ion: 65 Resp: 103826

Ion Ratio Lower Upper

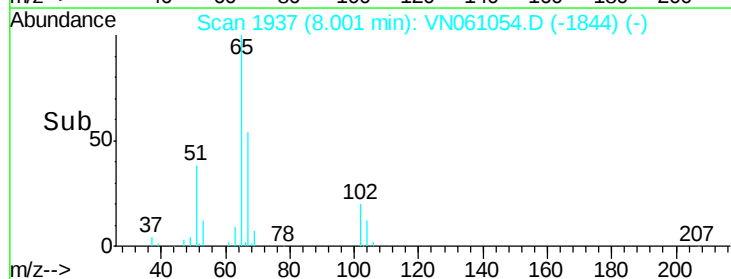
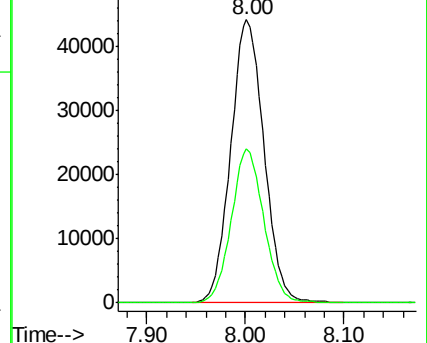
65 100

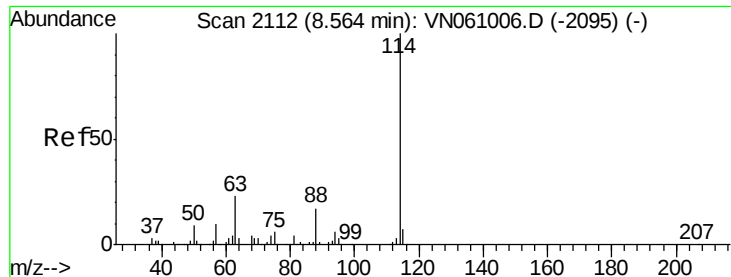
67 53.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061054.D

Acq: 17 Apr 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-363-365

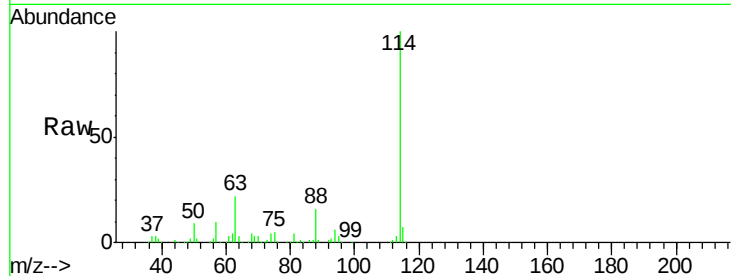
Tot Ion:114 Resp: 259807

Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.2

88 16.0 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

150000

100000

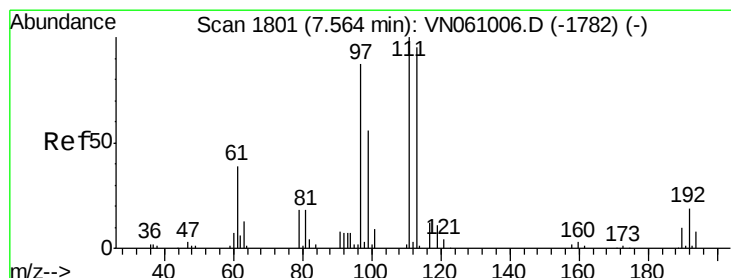
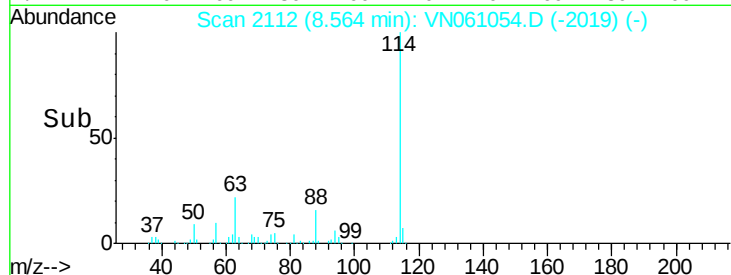
50000

0

8.56

8.50 8.60 8.70

Time-->



#35

Dibromofluoromethane

Concen: 51.302 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061054.D

Acq: 17 Apr 2020 16:31

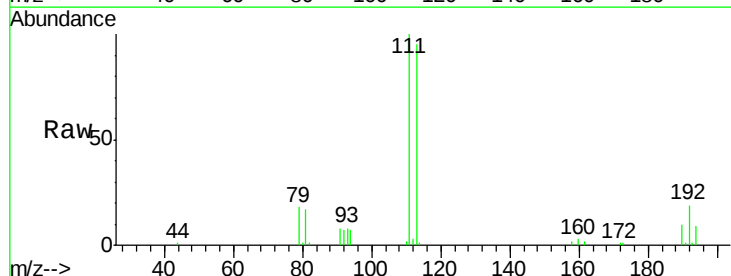
Tgt Ion:113 Resp: 77837

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

192 19.6 15.5 23.3



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

40000

30000

20000

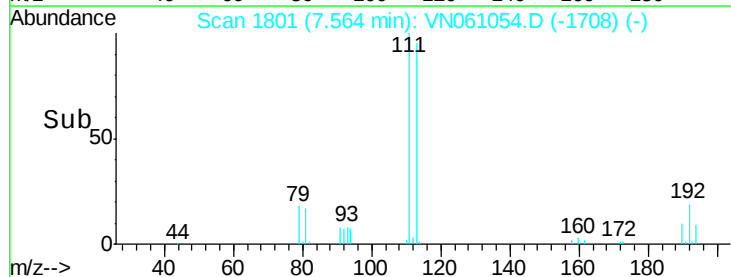
10000

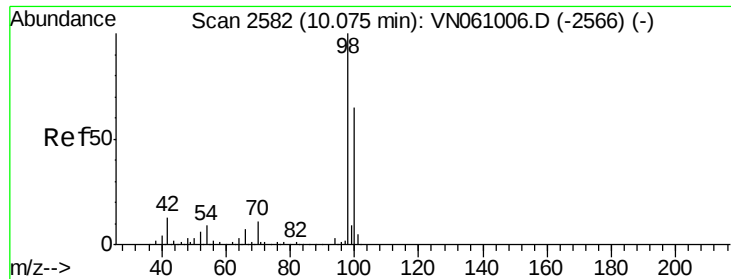
0

7.56

7.50 7.60 7.70

Time-->





#50

Toluene-d8

Concen: 56.255 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061054.D

Acq: 17 Apr 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

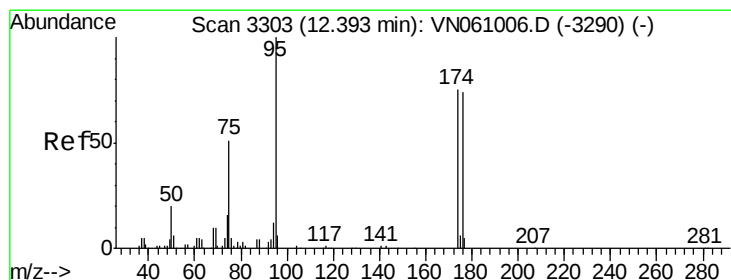
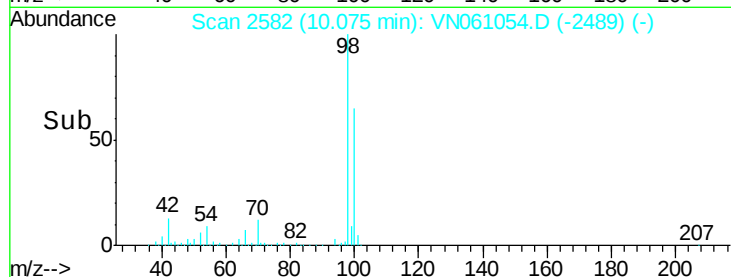
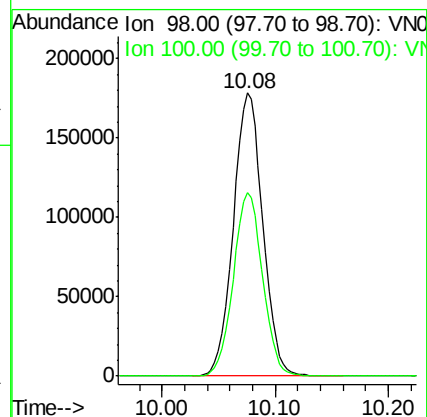
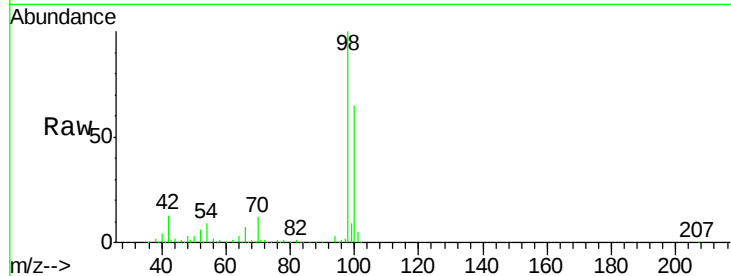
BP-VPB180-GW-363-365

Tot Ion: 98 Resp: 322527

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 53.225 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061054.D

Acq: 17 Apr 2020 16:31

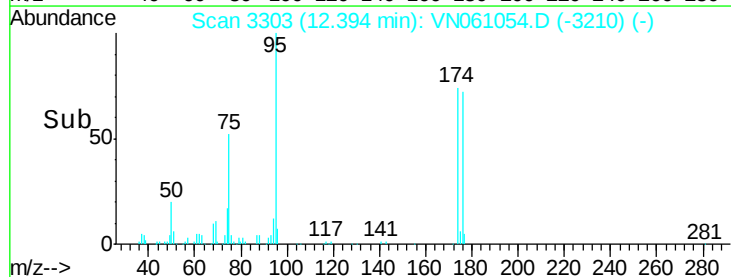
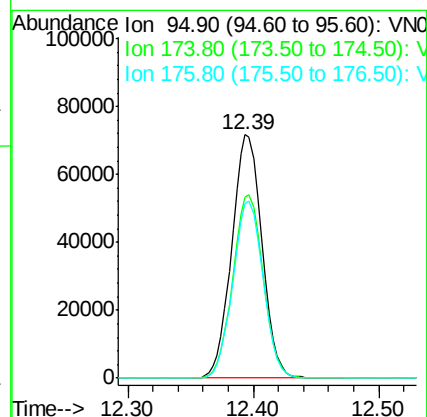
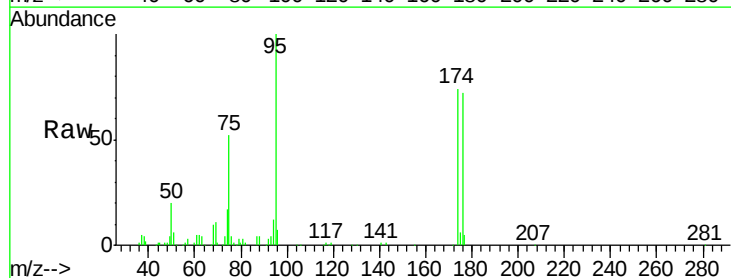
Tgt Ion: 95 Resp: 119599

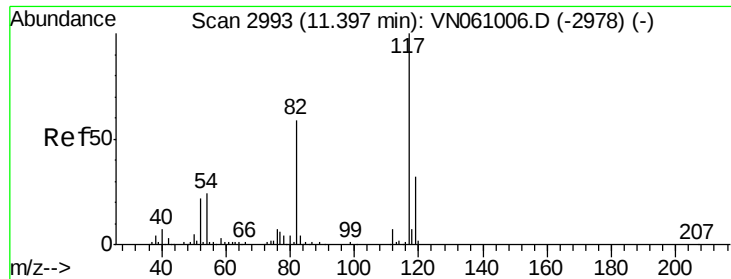
Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.2

176 73.0 0.0 148.2

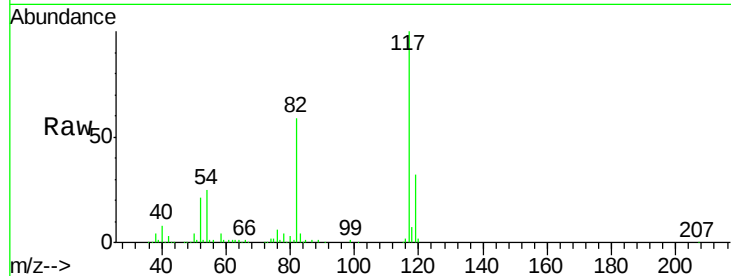




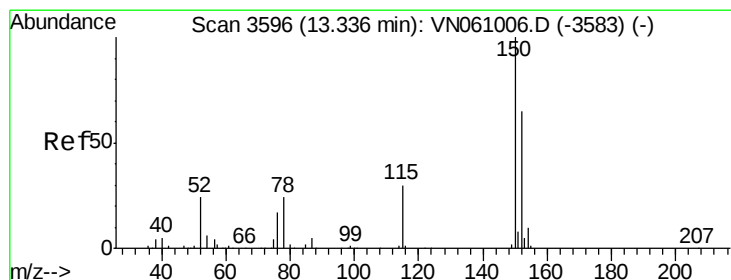
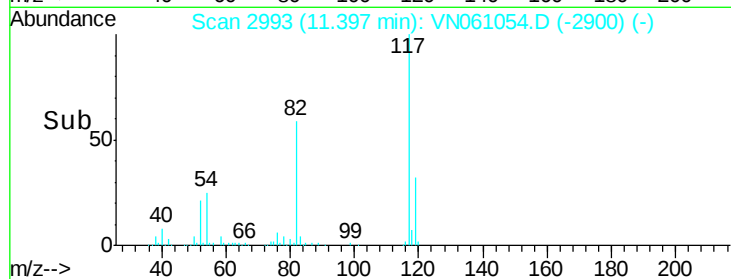
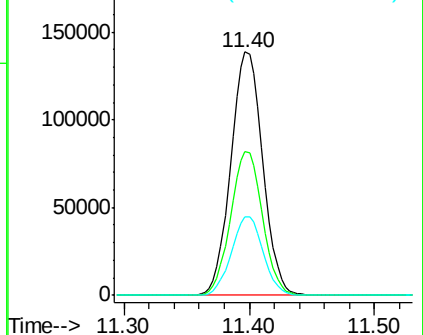
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061054.D
Acq: 17 Apr 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-363-365

Tot Ion:117 Resp: 244919
Ion Ratio Lower Upper
117 100
82 59.1 47.1 70.7
119 32.4 25.7 38.5

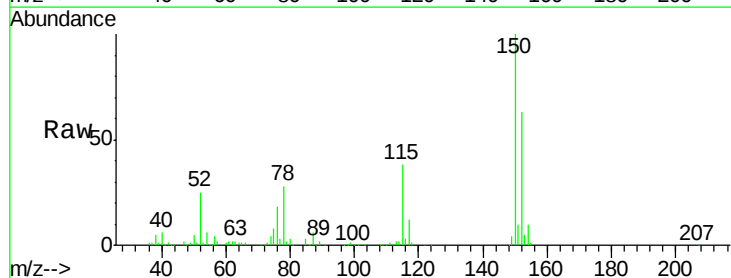


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061054.D
Acq: 17 Apr 2020 16:31

Tgt Ion:152 Resp: 105045
Ion Ratio Lower Upper
152 100
115 60.8 30.8 92.4
150 158.6 0.0 349.0



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

