

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063411.D
 Acq On : 6 Aug 2019 20:49
 Operator : JC/SY
 Sample : K4165-04
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW4-W-8-10-SOIL

Quant Time: Aug 07 08:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

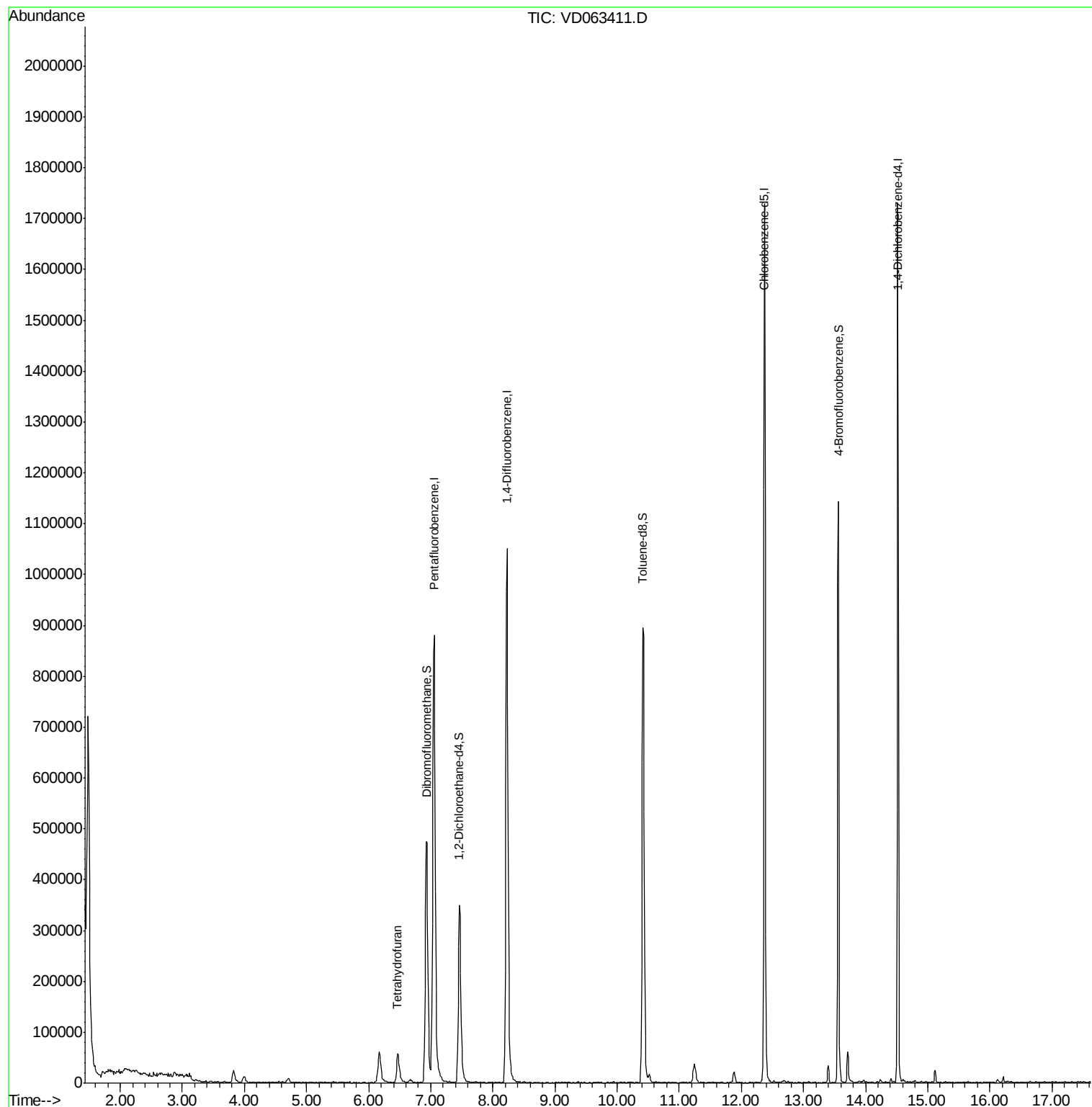
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	860111	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1139547	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	911127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	367087	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	400178	41.93	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.86%	
35) Dibromofluoromethane	6.94	113	419260	43.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	86.18%	
50) Toluene-d8	10.41	98	775457	35.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.22%	
62) 4-Bromofluorobenzene	13.56	95	324137	32.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.34%	
Target Compounds						
29) Tetrahydrofuran	6.48	42	44145	49.964	ug/l	Qvalue 97

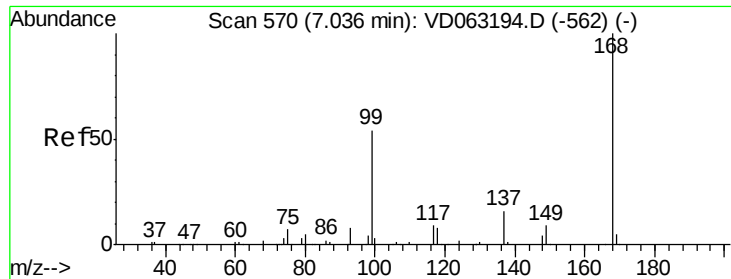
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

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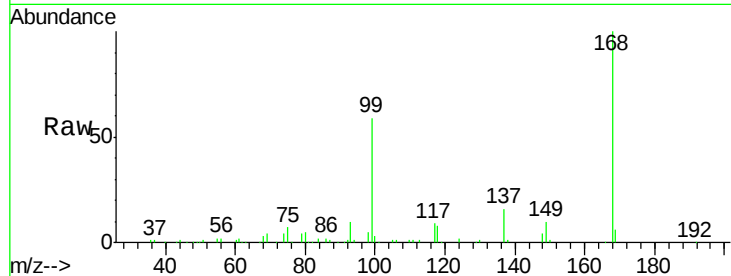
CP-MW4-W-8-10-SOIL

Tot Ion:168 Resp: 860111

Ion Ratio Lower Upper

168 100

99 59.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

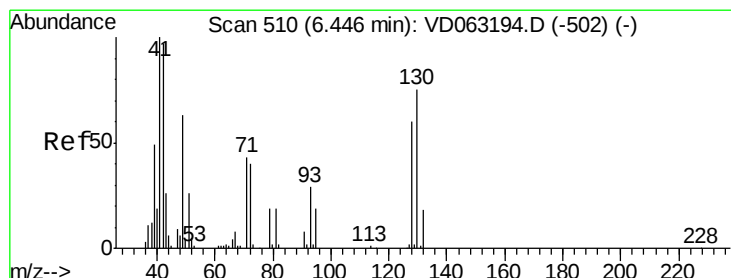
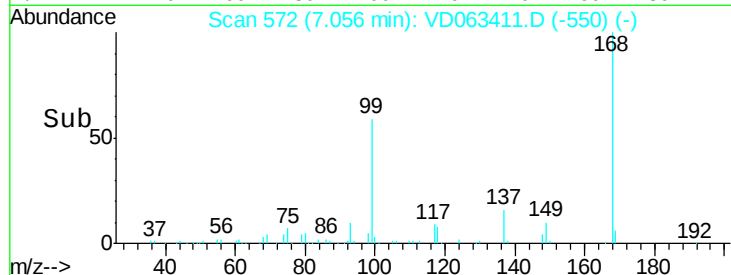
300000

200000

100000

0

Time-->



#29

Tetrahydrofuran

Concen: 49.964 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

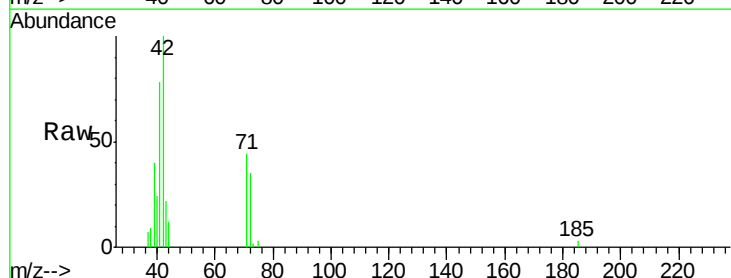
Tgt Ion: 42 Resp: 44145

Ion Ratio Lower Upper

42 100

72 45.7 33.4 50.2

71 44.4 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.48

20000

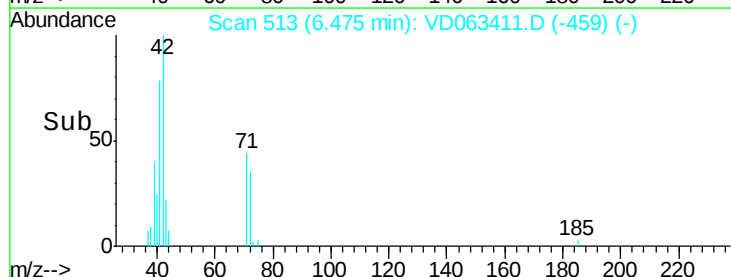
15000

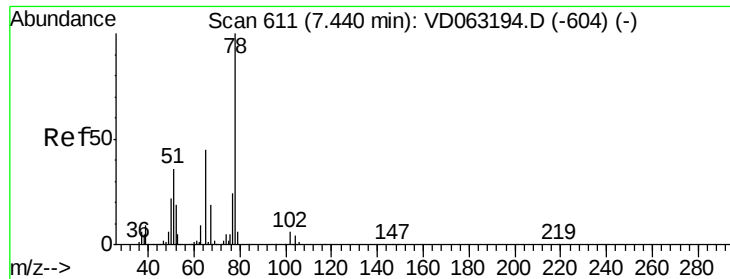
10000

5000

0

Time-->

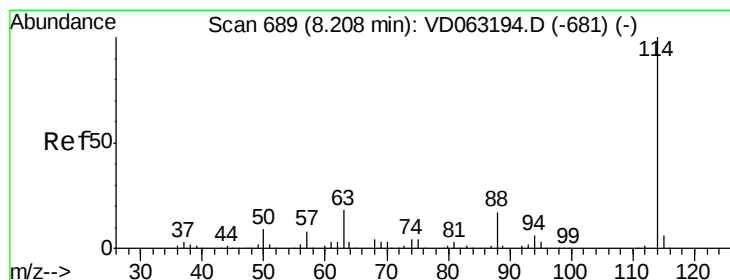
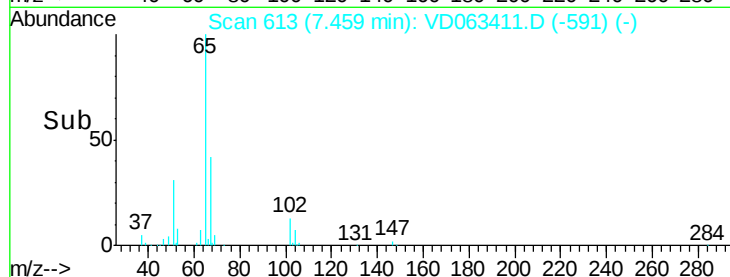
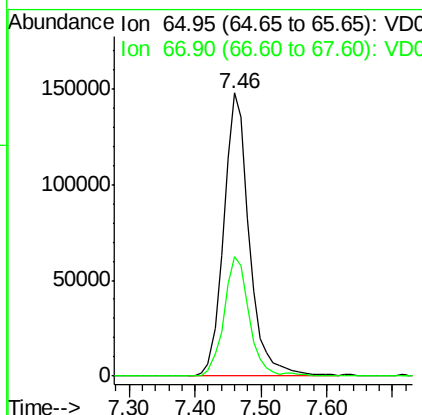
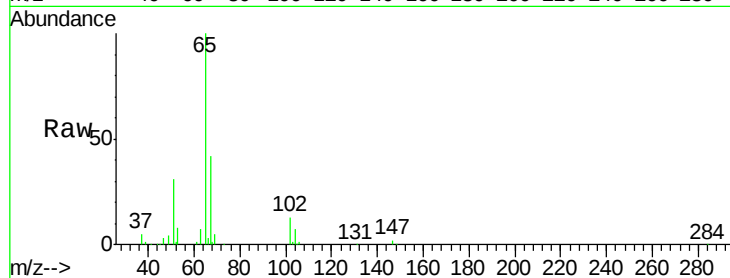




#33
 1,2-Dichloroethane-d4
 Concen: 41.931 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063411.D
 Acq: 6 Aug 2019 20:49

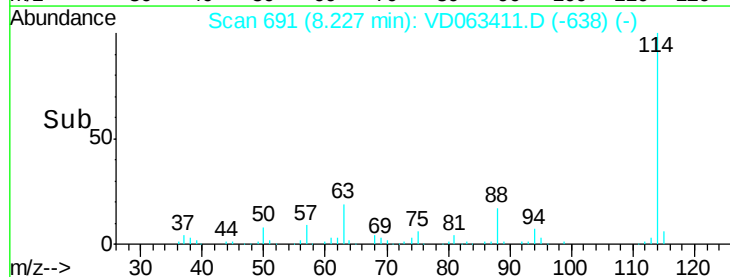
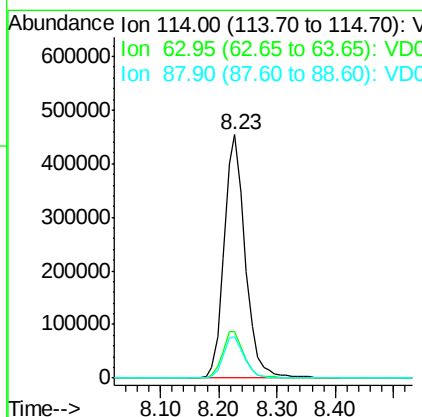
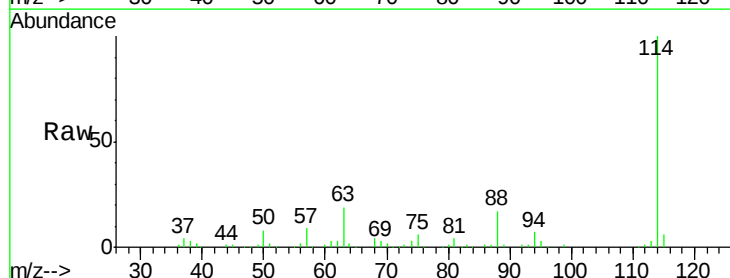
Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW4-W-8-10-SOIL

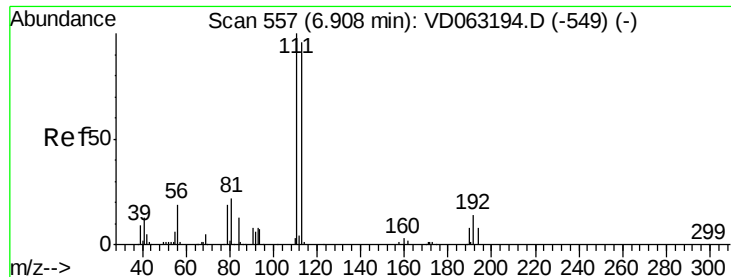
Tot Ion: 65 Resp: 400178
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063411.D
 Acq: 6 Aug 2019 20:49

Tgt Ion: 114 Resp: 1139547
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 35.2
 88 17.1 0.0 34.6





#35

Dibromofluoromethane

Concen: 43.092 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

Instrument :

MSVOA_D

ClientSampleId :

CP-MW4-W-8-10-SOIL

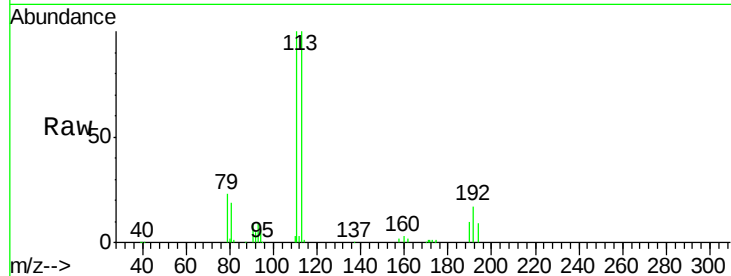
Tot Ion:113 Resp: 419260

Ion Ratio Lower Upper

113 100

111 100.4 83.2 124.8

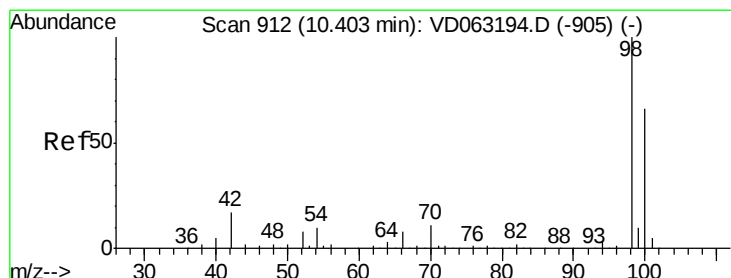
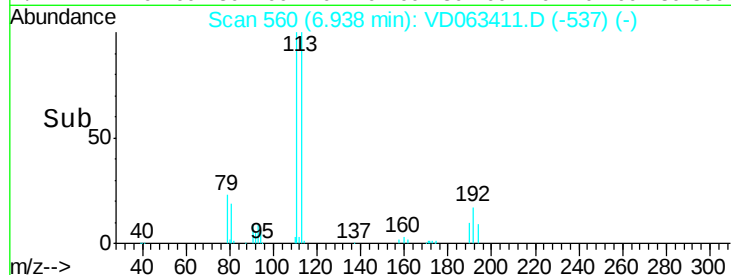
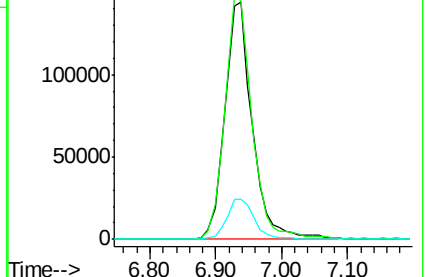
192 16.8 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: 35.614 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063411.D

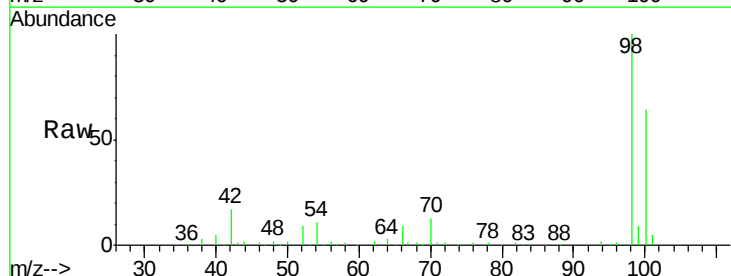
Acq: 6 Aug 2019 20:49

Tgt Ion: 98 Resp: 775457

Ion Ratio Lower Upper

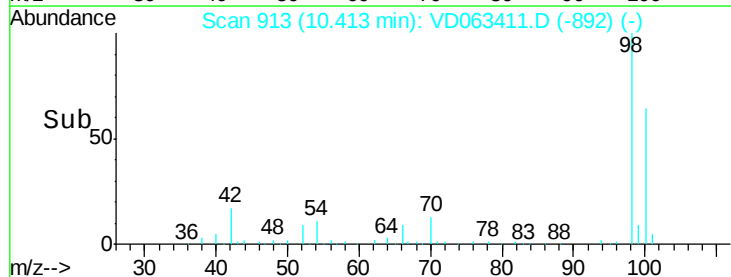
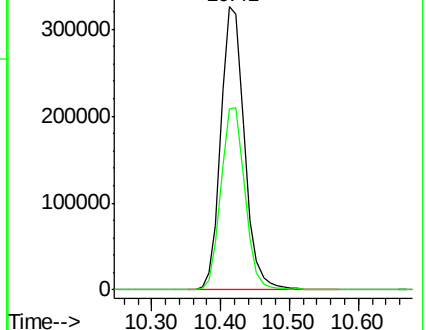
98 100

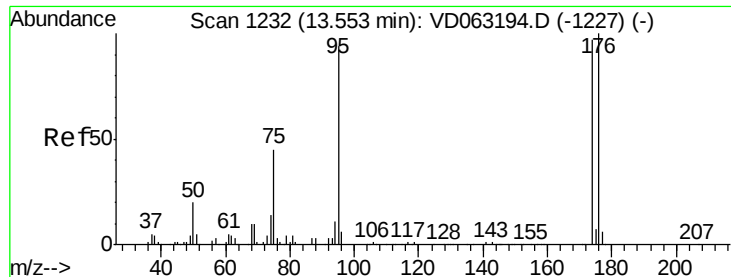
100 64.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 32.667 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

Instrument :

MSVOA_D

ClientSampleId :

CP-MW4-W-8-10-SOIL

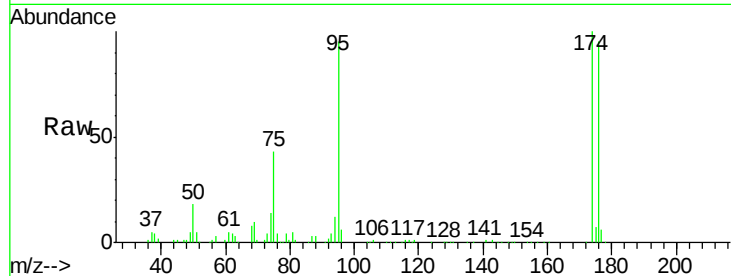
Tot Ion: 95 Resp: 324137

Ion Ratio Lower Upper

95 100

174 104.7 0.0 205.4

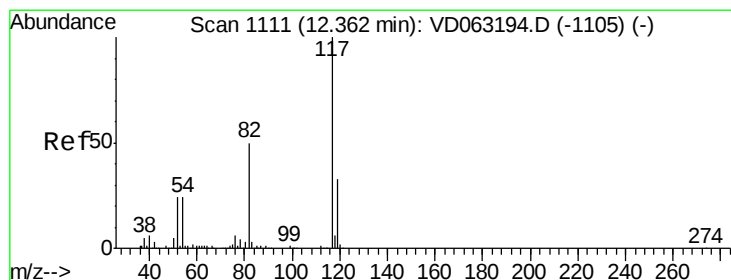
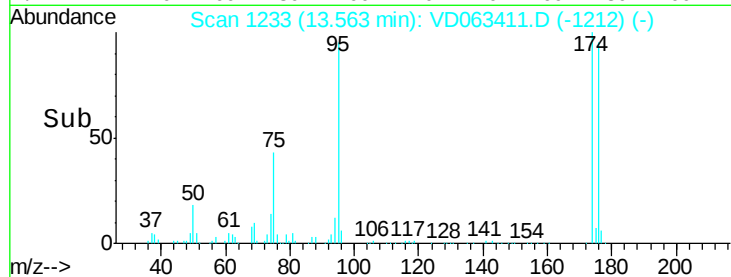
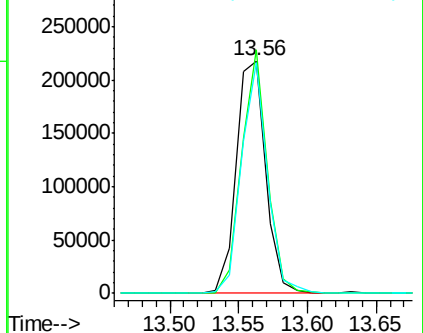
176 99.1 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

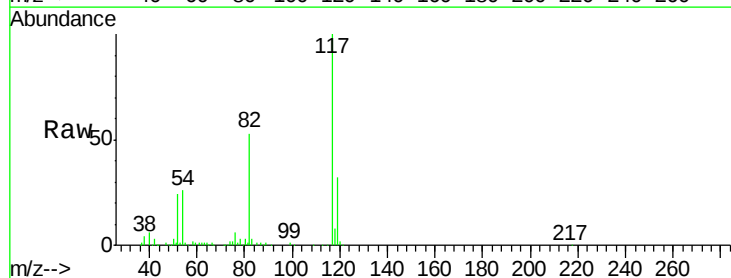
Tgt Ion: 117 Resp: 911127

Ion Ratio Lower Upper

117 100

82 52.6 40.1 60.1

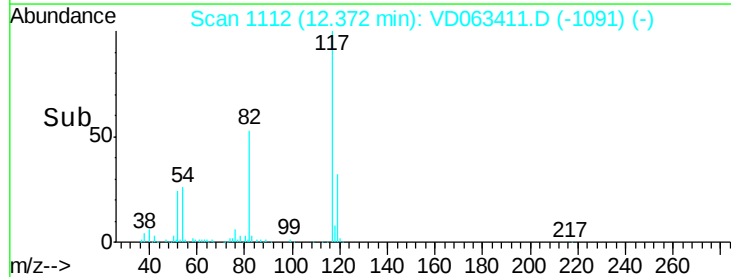
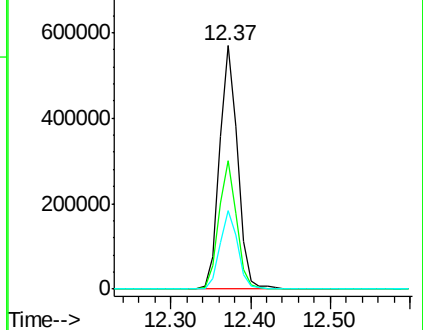
119 32.3 26.5 39.7

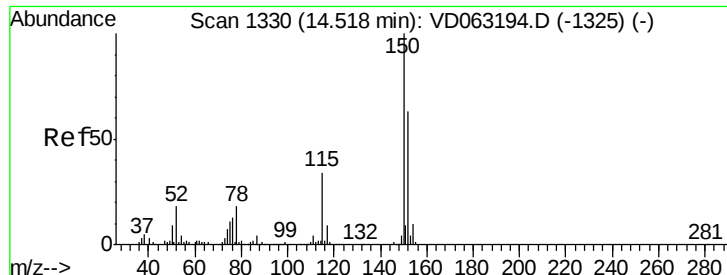


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

Instrument :

MSVOA_D

ClientSampleId :

CP-MW4-W-8-10-SOIL

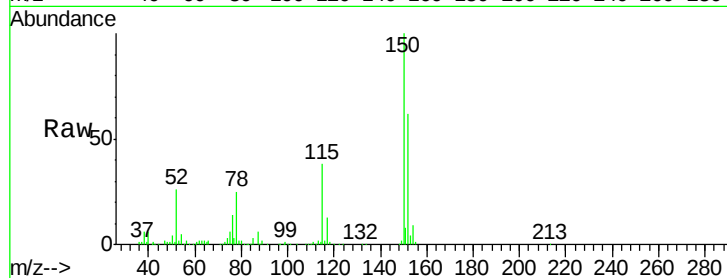
Tot Ion:152 Resp: 367087

Ion Ratio Lower Upper

152 100

115 61.2 27.5 82.4

150 160.6 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

