

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063335.D
 Acq On : 3 Aug 2019 1:28
 Operator : VA/AP
 Sample : K4130-12
 Misc : 5.87g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-G-(0-1)

Quant Time: Aug 04 04:54:36 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

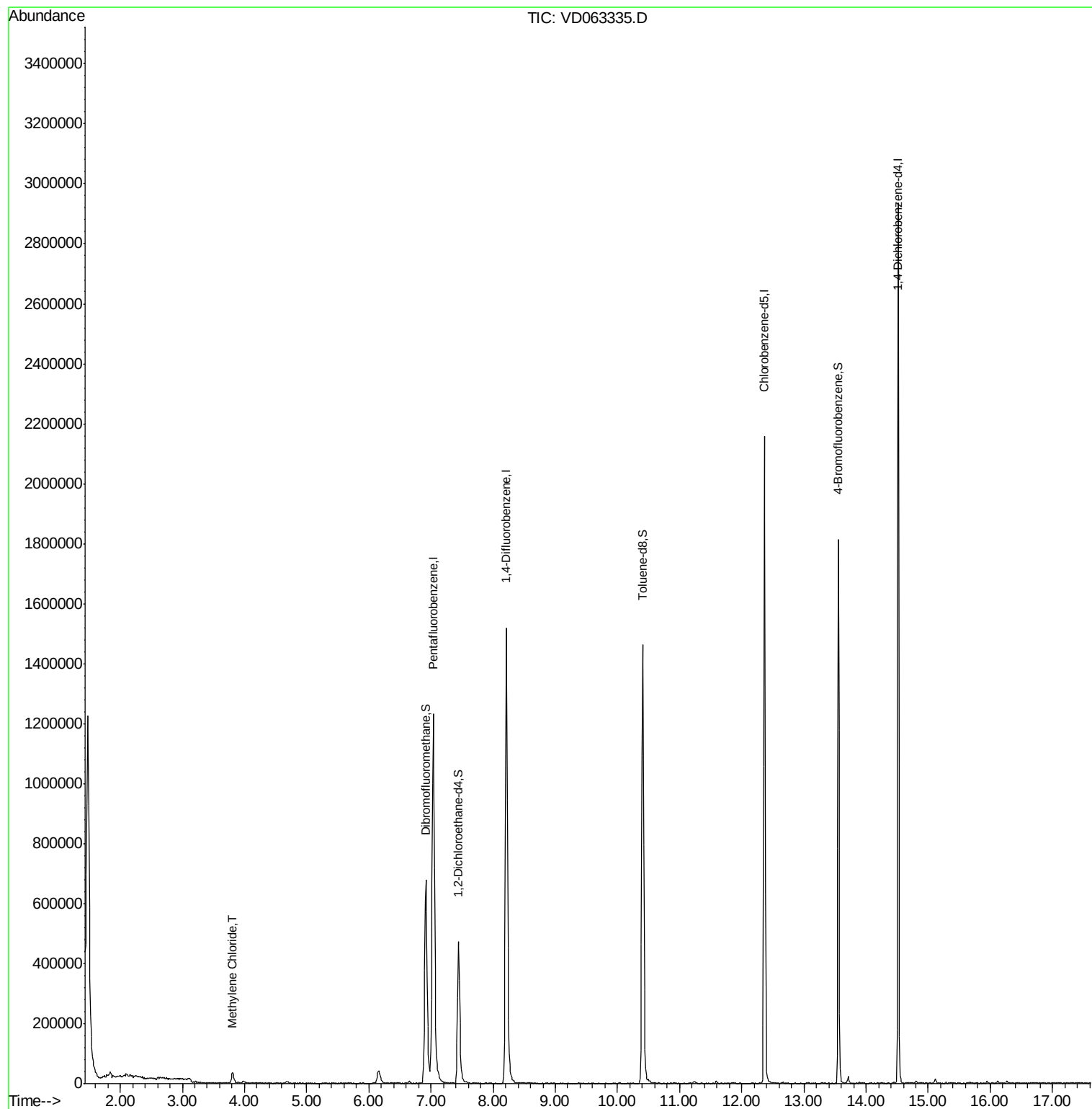
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1212139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1647275	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1208967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	610846	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	539141	40.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.18%	
35) Dibromofluoromethane	6.92	113	596344	42.40	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.80%	
50) Toluene-d8	10.41	98	1274543	40.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	80.98%	
62) 4-Bromofluorobenzene	13.55	95	479004	33.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.80%	
Target Compounds						
20) Methylene Chloride	3.81	84	21197	2.001	ug/l	Qvalue 89

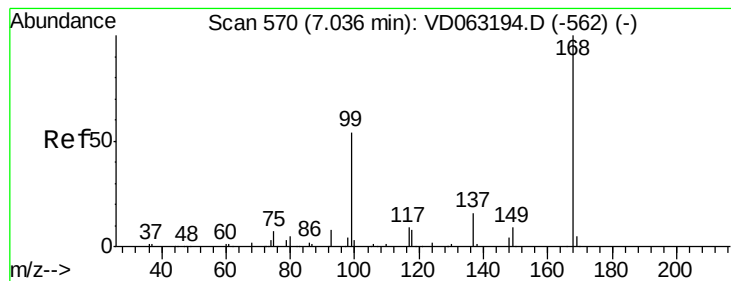
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

ClientSampleId :

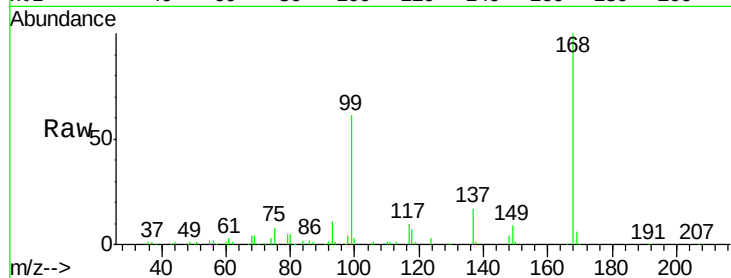
1S-G-(0-1)

Tot Ion:168 Resp: 1212139

Ion Ratio Lower Upper

168 100

99 60.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

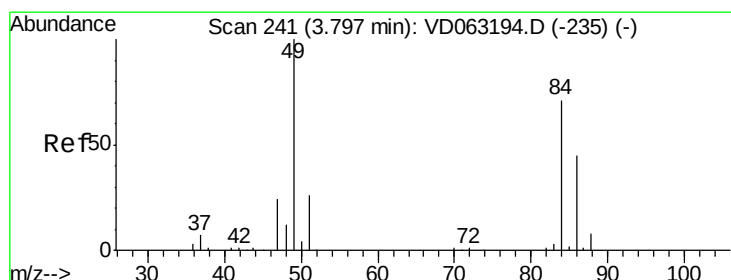
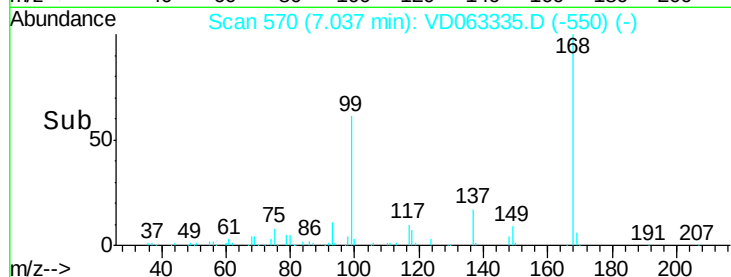
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 2.001 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063335.D

Acq: 3 Aug 2019 1:28

Tgt Ion: 84 Resp: 21197

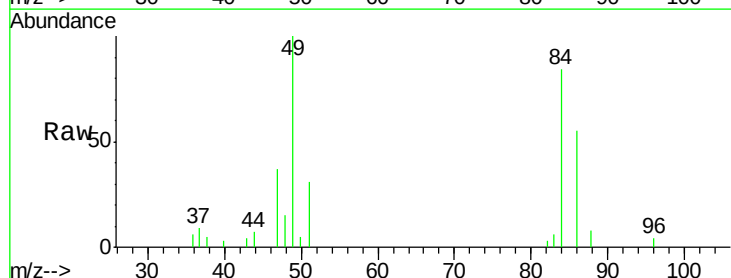
Ion Ratio Lower Upper

84 100

49 119.2 112.5 168.7

51 36.8 29.6 44.4

86 65.6 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

15000

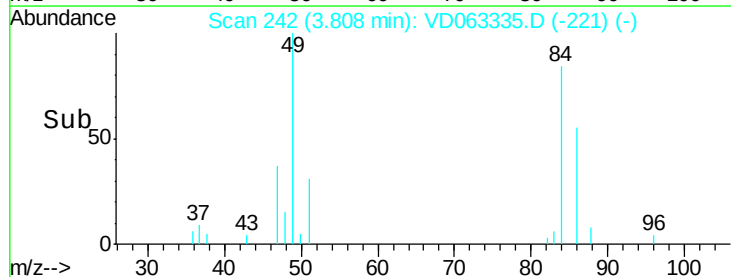
10000

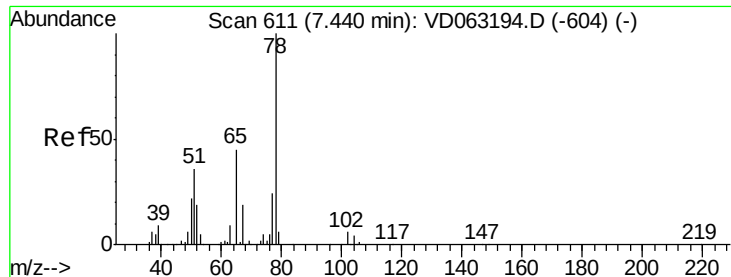
5000

0

Time-->

3.70 3.75 3.80 3.85 3.90

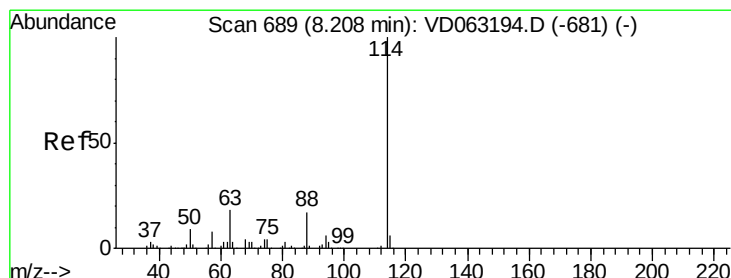
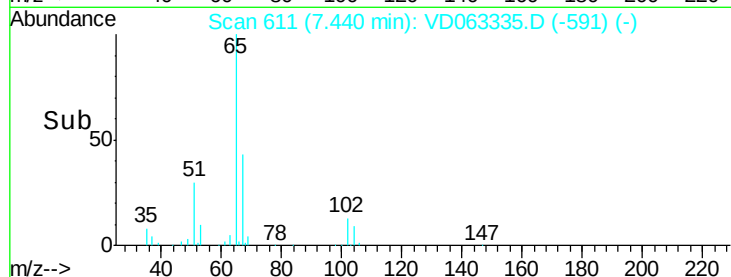
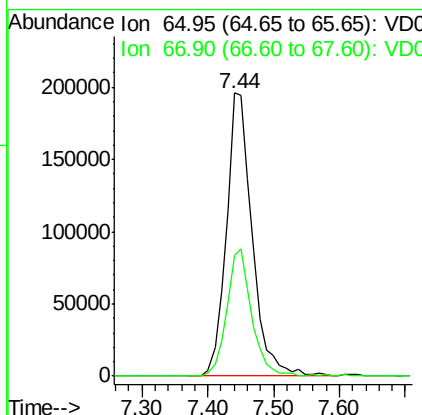
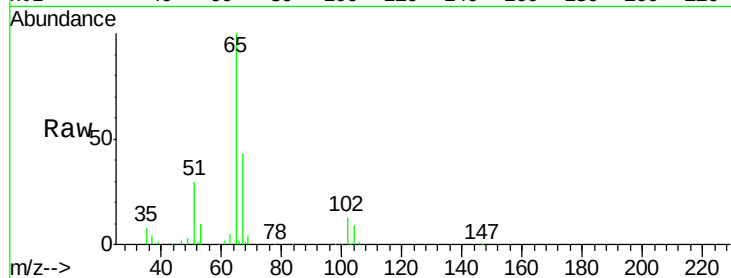




#33
 1,2-Dichloroethane-d4
 Concen: 40.085 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063335.D
 Acq: 3 Aug 2019 1:28

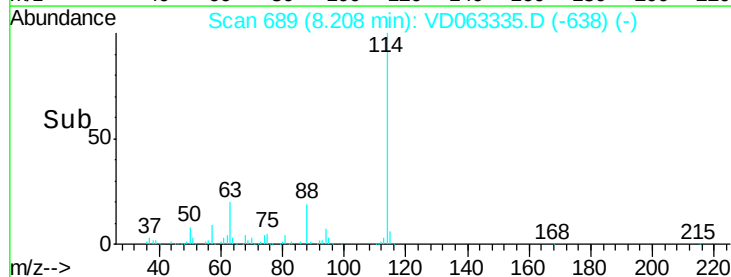
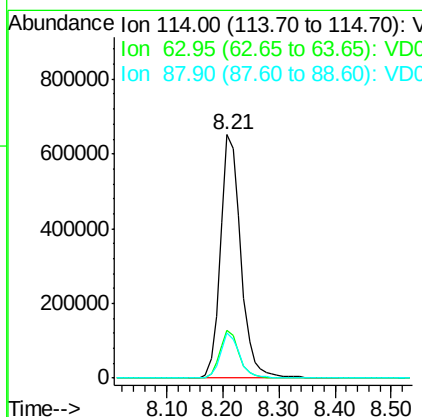
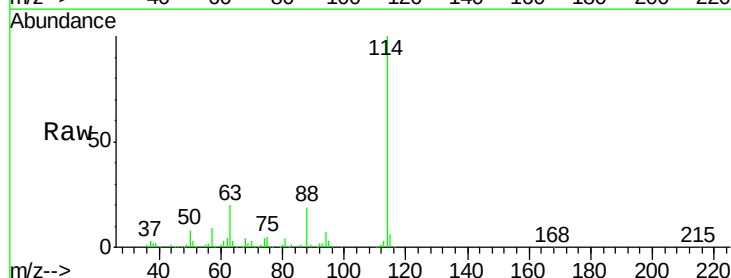
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-G-(0-1)

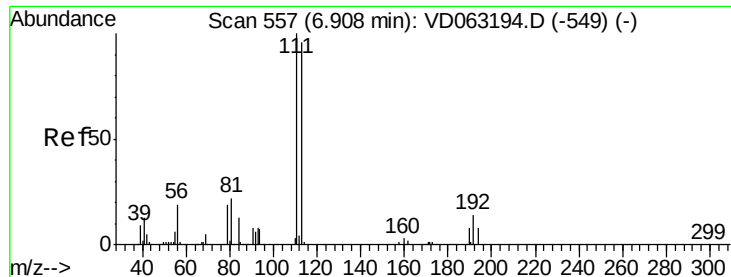
Tot Ion: 65 Resp: 539141
 Ion Ratio Lower Upper
 65 100
 67 42.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063335.D
 Acq: 3 Aug 2019 1:28

Tgt Ion: 114 Resp: 1647275
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 35.2
 88 18.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 42.401 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

ClientSampled :

1S-G-(0-1)

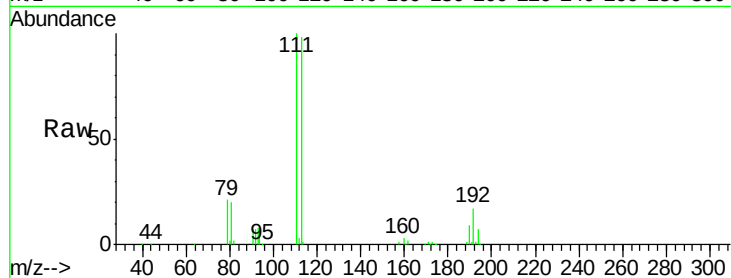
Tot Ion:113 Resp: 596344

Ion Ratio Lower Upper

113 100

111 102.0 83.2 124.8

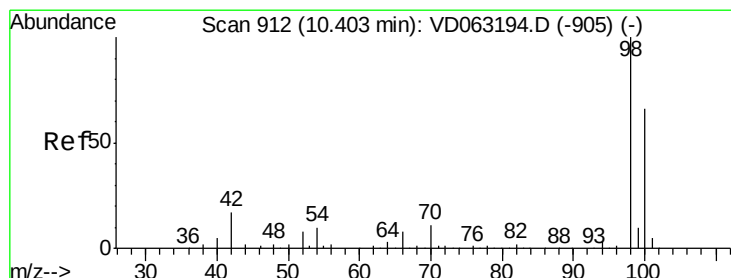
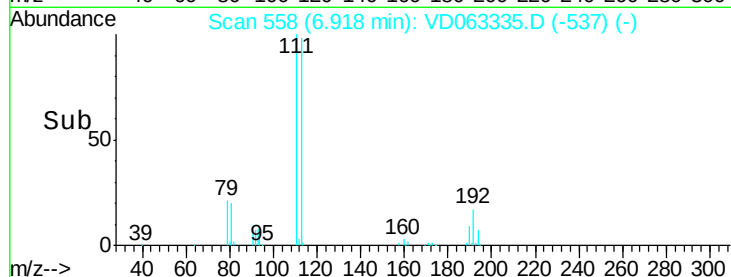
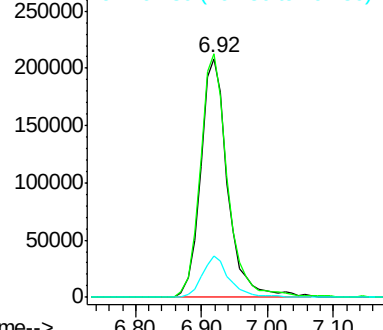
192 17.5 11.8 17.8



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: 40.493 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063335.D

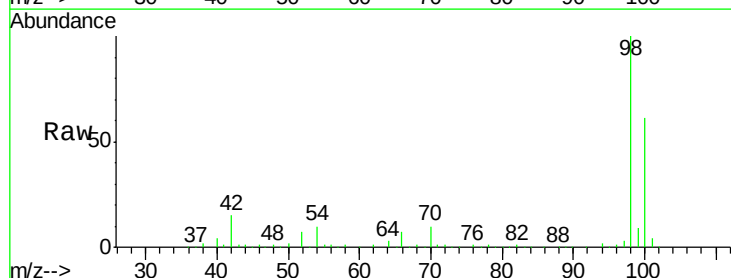
Acq: 3 Aug 2019 1:28

Tgt Ion: 98 Resp: 1274543

Ion Ratio Lower Upper

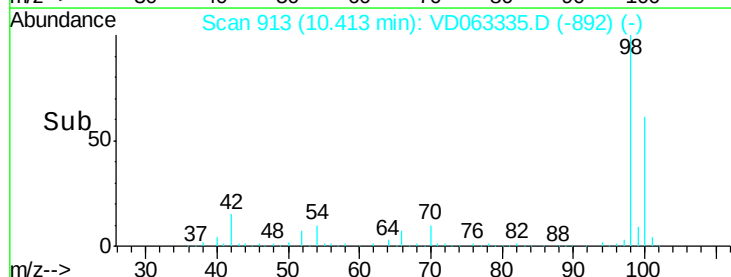
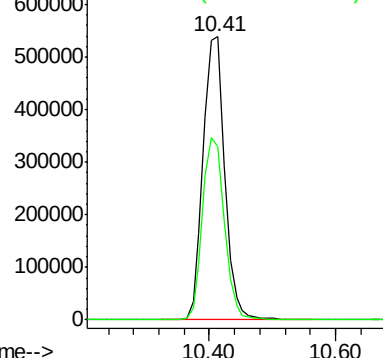
98 100

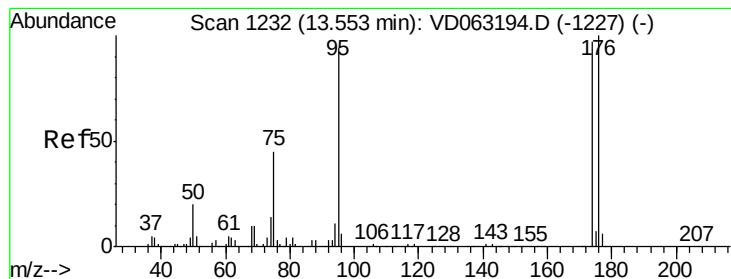
100 61.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 33.396 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

ClientSampleId :

1S-G-(0-1)

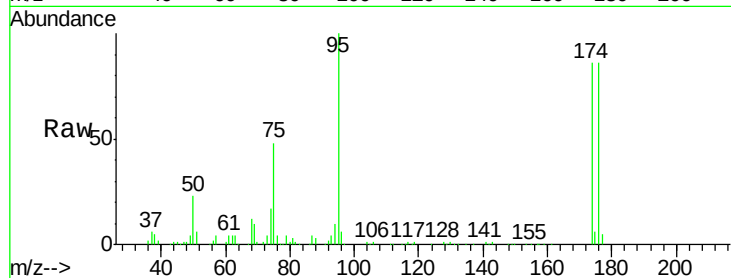
Tot Ion: 95 Resp: 479004

Ion Ratio Lower Upper

95 100

174 85.7 0.0 205.4

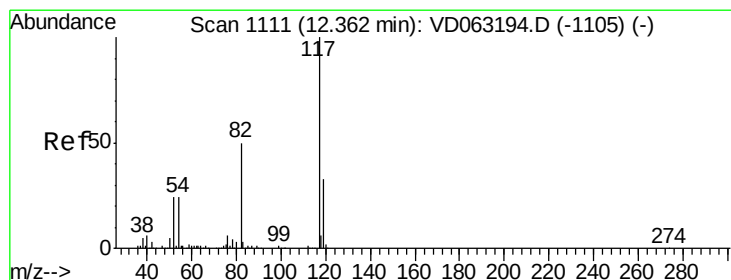
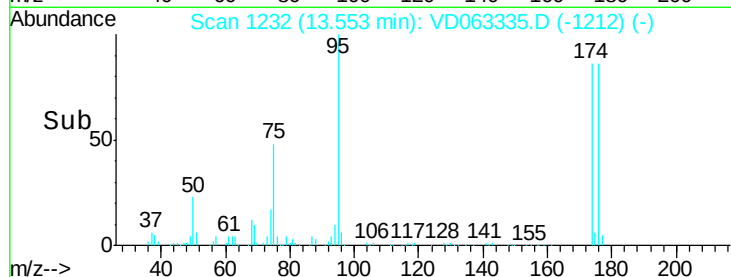
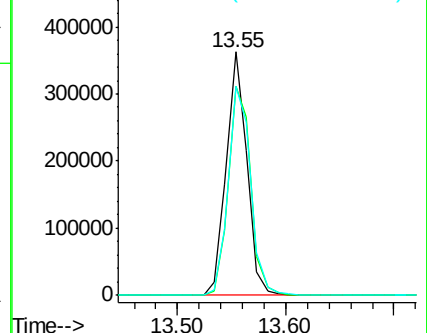
176 85.9 0.0 211.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063335.D

Acq: 3 Aug 2019 1:28

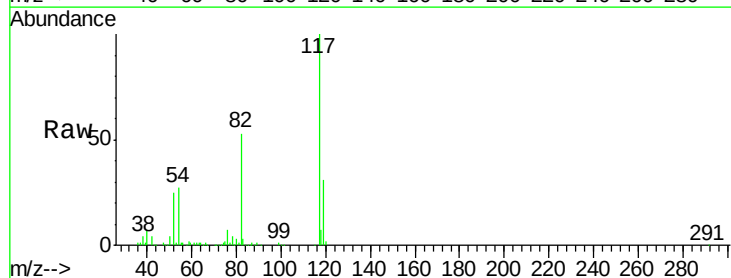
Tgt Ion: 117 Resp: 1208967

Ion Ratio Lower Upper

117 100

82 53.4 40.1 60.1

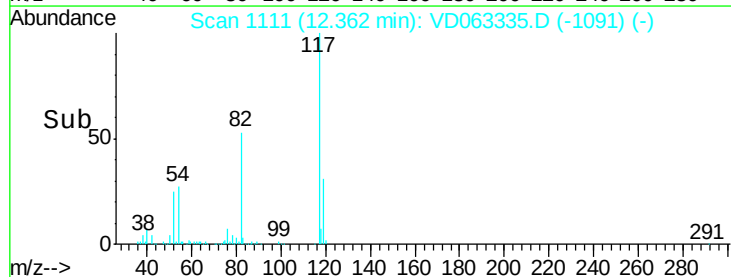
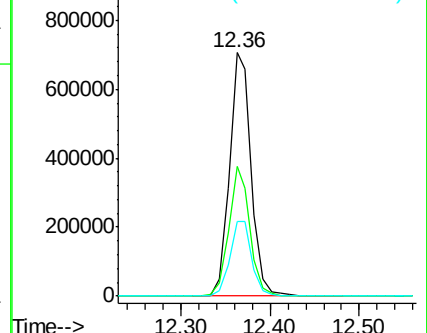
119 30.7 26.5 39.7

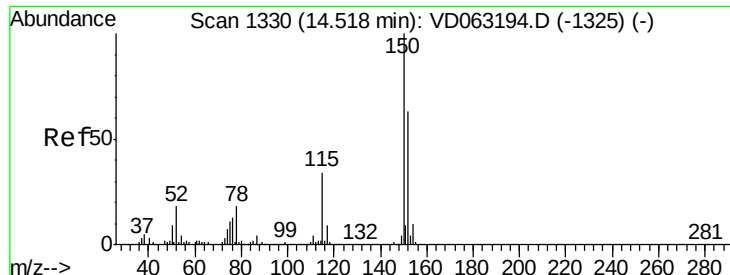


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

ClientSampleId :

1S-G-(0-1)

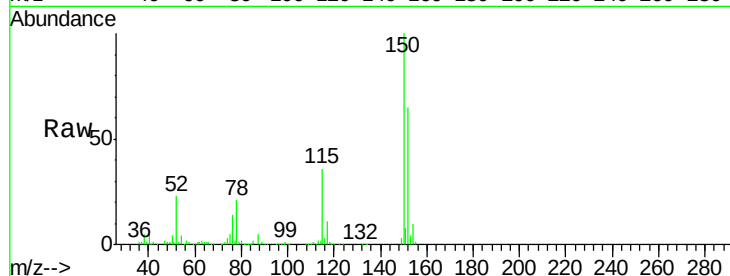
Tot Ion:152 Resp: 610846

Ion Ratio Lower Upper

152 100

115 55.3 27.5 82.4

150 152.9 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

