

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058281.D
 Acq On : 22 Jun 2018 6:42
 Operator : VA/AP
 Sample : J3594-05
 Misc : 6.14g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HC-SOIL-3

Quant Time: Jun 22 08:29:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	621770	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	833801	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	645628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	274039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	350323	55.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	111.56%	
35) Dibromofluoromethane	5.56	113	355955	52.45	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.90%	
50) Toluene-d8	8.71	98	757355	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.93	95	284952	42.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.98%	

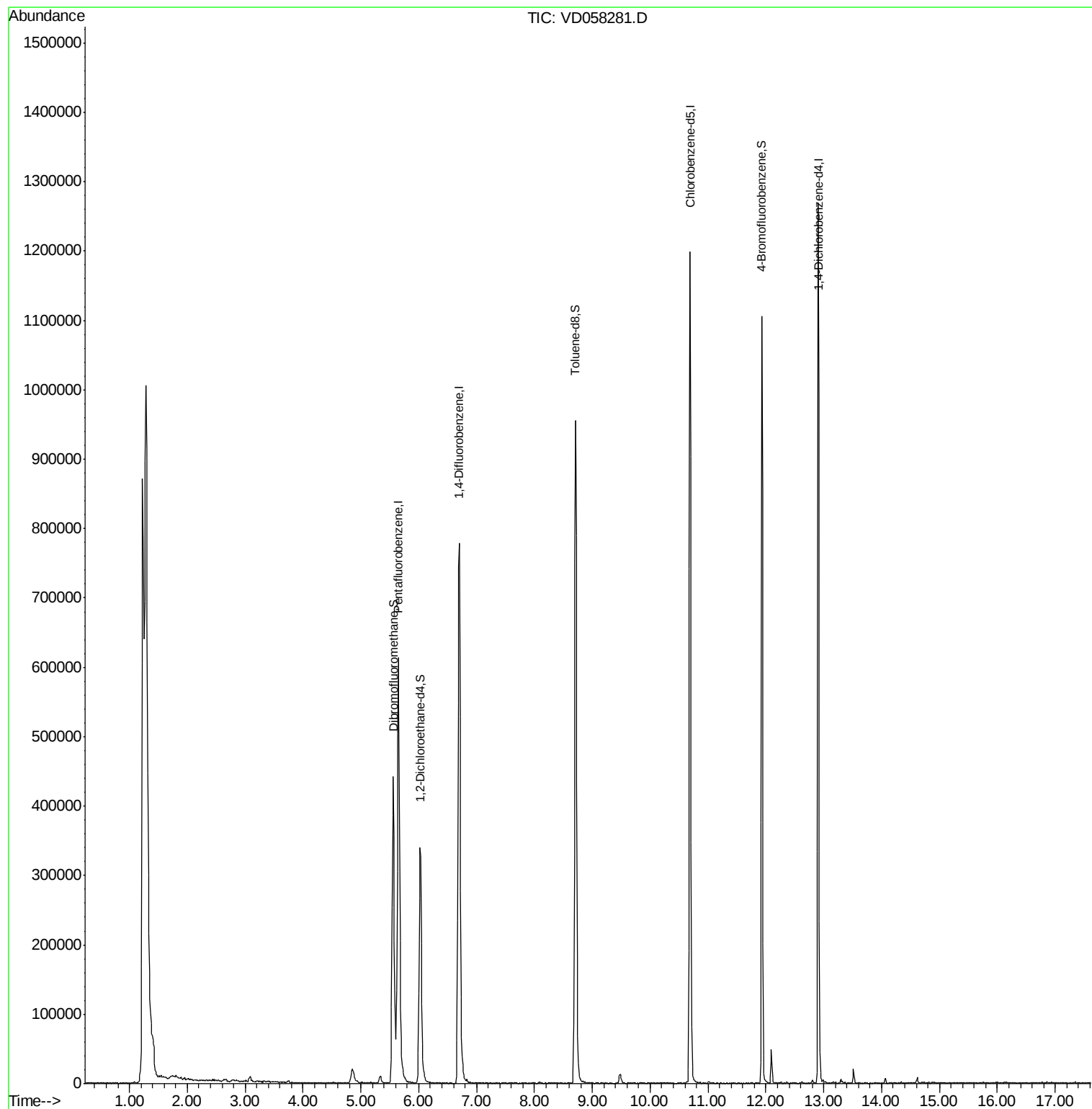
Target Compounds	Qvalue
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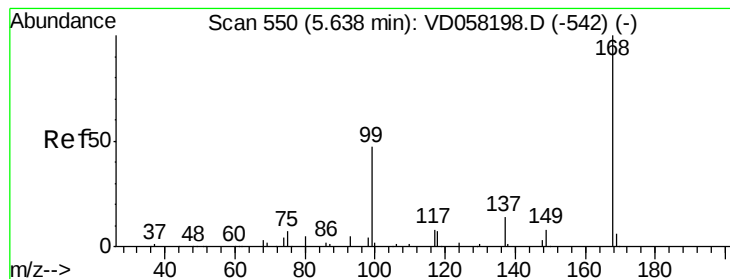
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058281.D

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Instrument :

MSVOA_D

ClientSampleId :

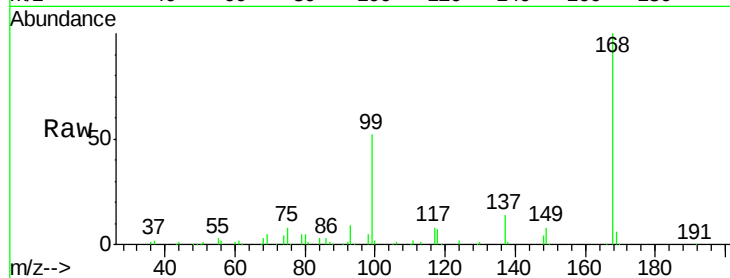
HC-SOIL-3

Tot Ion:168 Resp: 621770

Ion Ratio Lower Upper

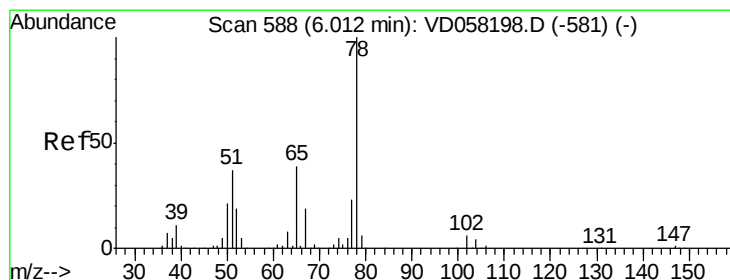
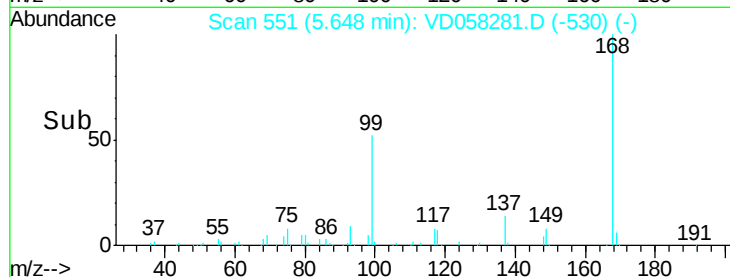
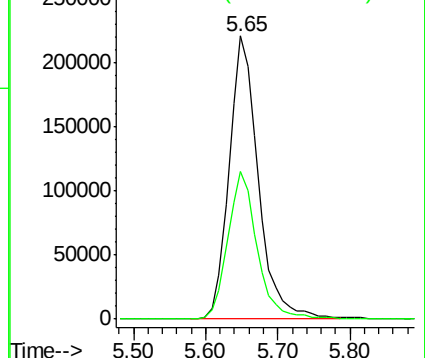
168 100

99 52.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058281.D

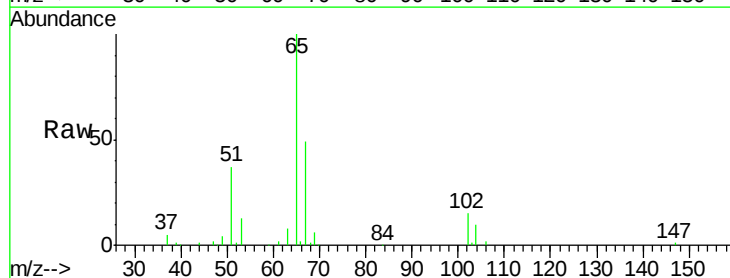
Acq: 22 Jun 2018 6:42

Tgt Ion: 65 Resp: 350323

Ion Ratio Lower Upper

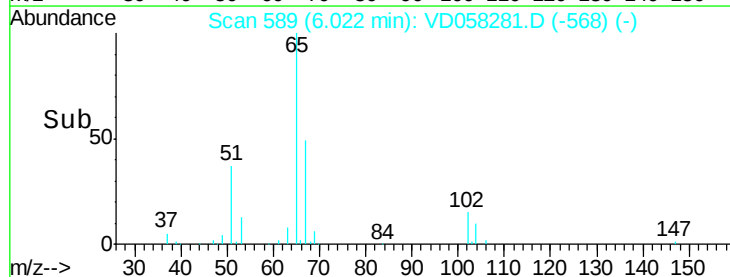
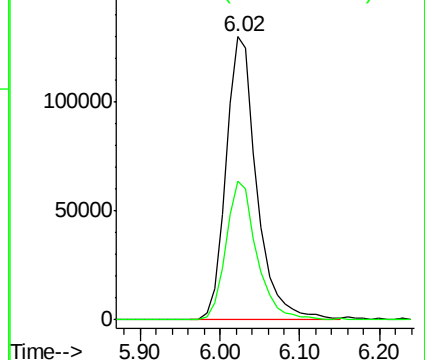
65 100

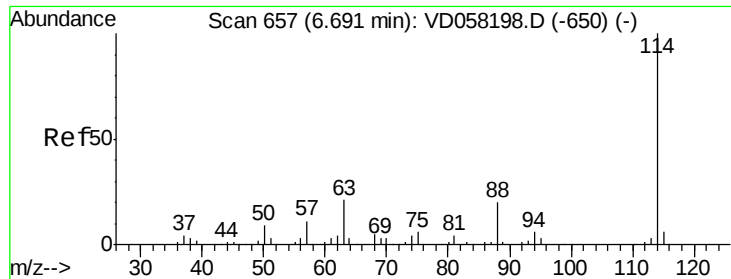
67 49.1 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

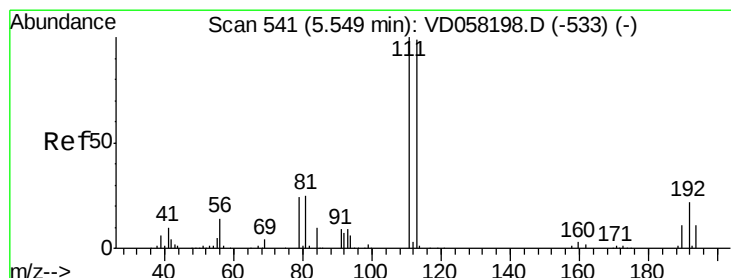
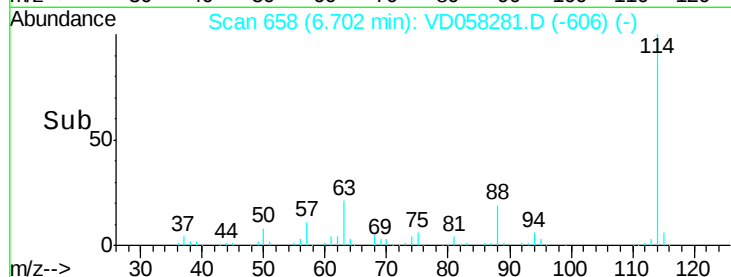
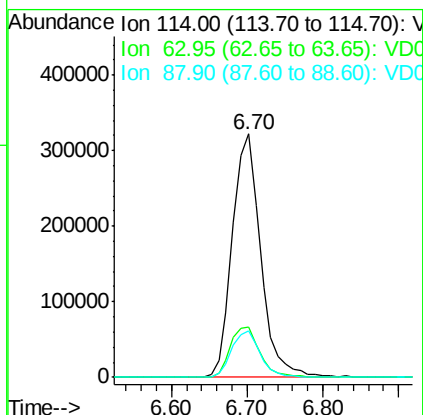
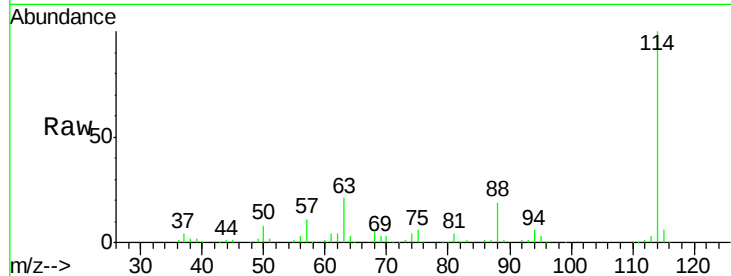




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058281.D
 Acq: 22 Jun 2018 6:42

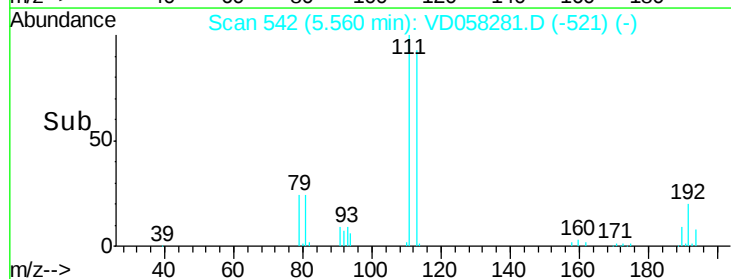
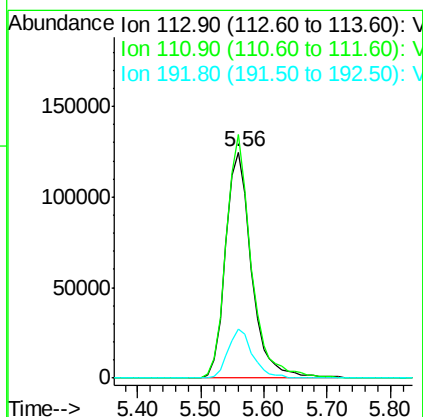
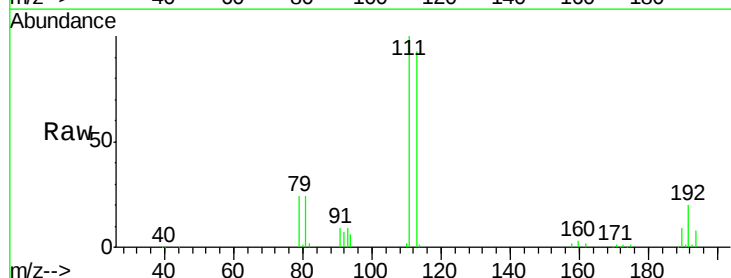
Instrument :
 MSVOA_D
 ClientSampleId :
 HC-SOIL-3

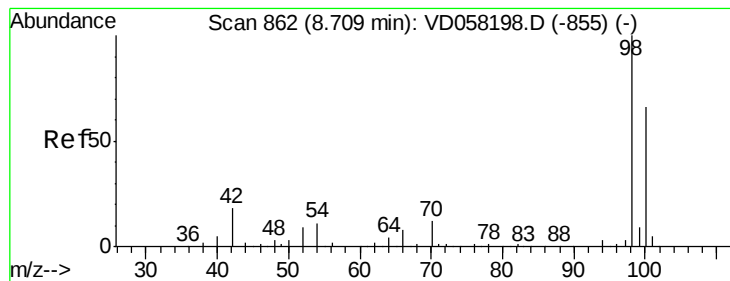
Tot Ion:114 Resp: 833801
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 18.9 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058281.D
 Acq: 22 Jun 2018 6:42

Tgt Ion:113 Resp: 355955
 Ion Ratio Lower Upper
 113 100
 111 107.7 80.6 121.0
 192 21.8 17.8 26.6





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

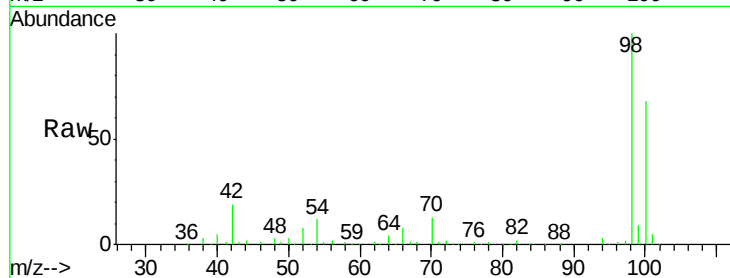
HC-SOIL-3

Tot Ion: 98 Resp: 757355

Ion Ratio Lower Upper

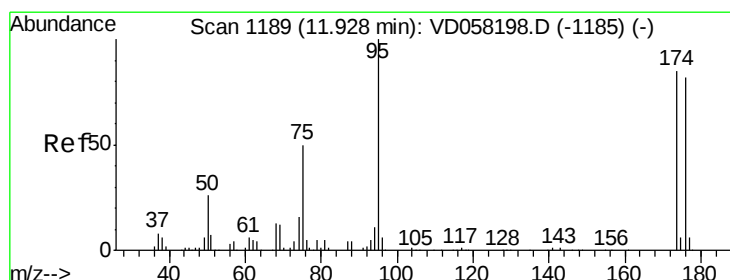
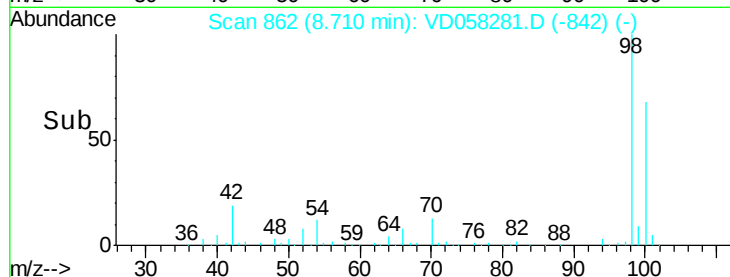
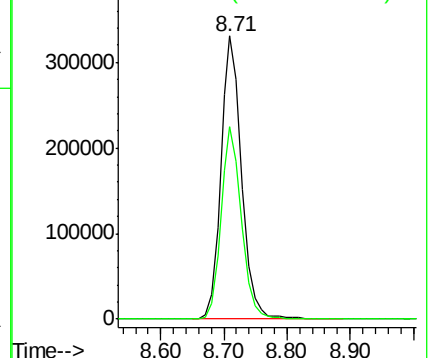
98 100

100 67.9 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

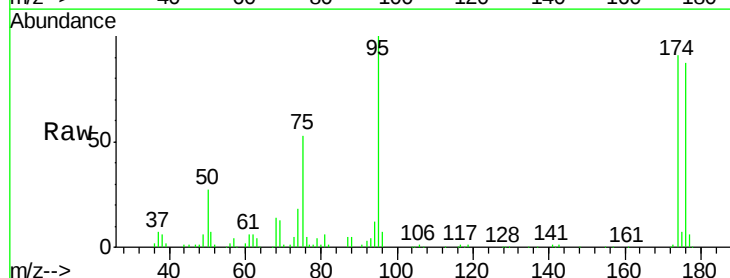
Tgt Ion: 95 Resp: 284952

Ion Ratio Lower Upper

95 100

174 90.5 0.0 170.2

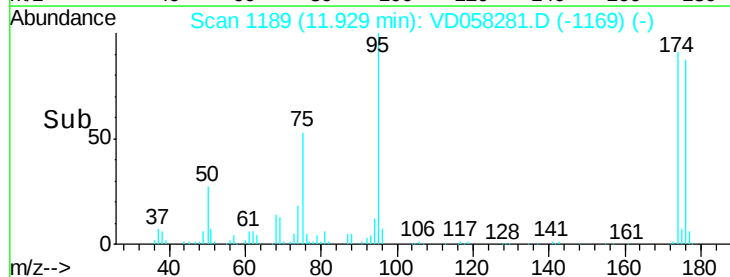
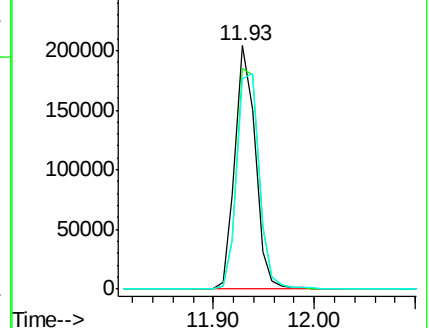
176 86.5 0.0 164.6

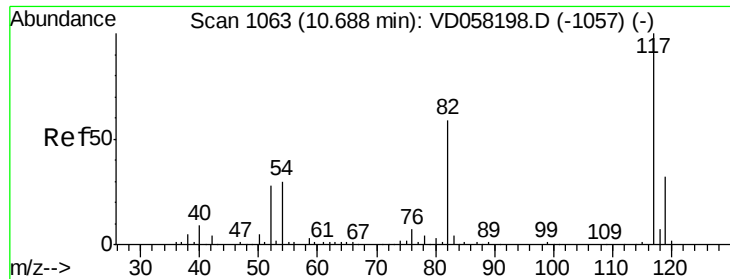


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-3

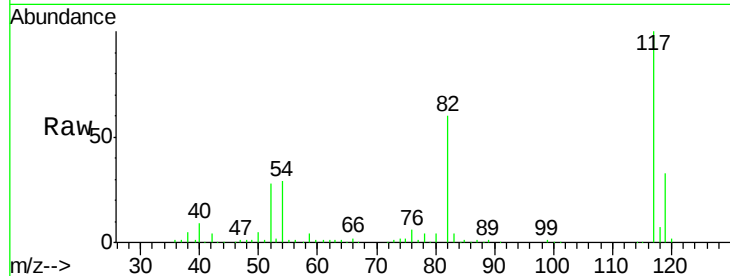
Tot Ion:117 Resp: 645628

Ion Ratio Lower Upper

117 100

82 60.3 47.0 70.6

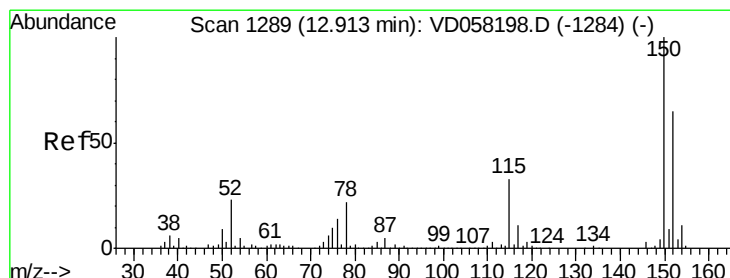
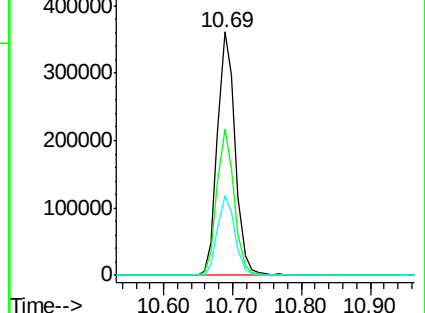
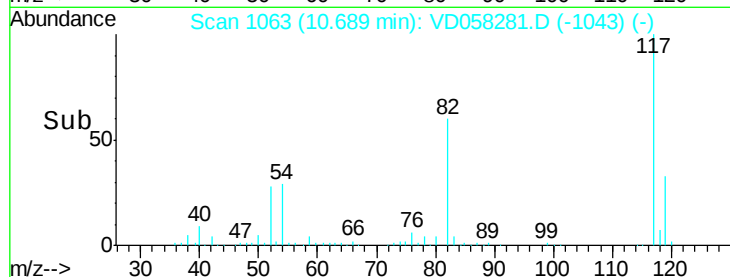
119 32.7 25.3 37.9



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: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

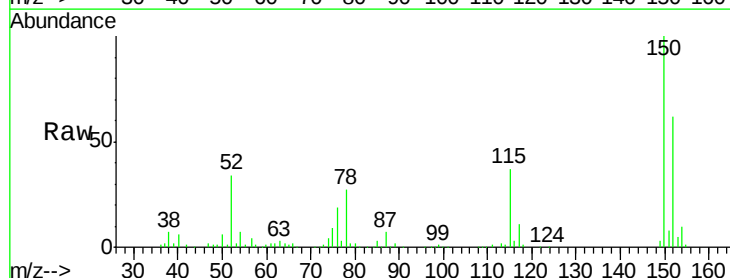
Tgt Ion:152 Resp: 274039

Ion Ratio Lower Upper

152 100

115 59.9 25.1 75.3

150 160.8 0.0 308.8



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

