

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063402.D
 Acq On : 6 Aug 2019 16:43
 Operator : JC/SY
 Sample : K4165-05
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-SHALLOW-PIPE-SOIL

Quant Time: Aug 07 07:39:26 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

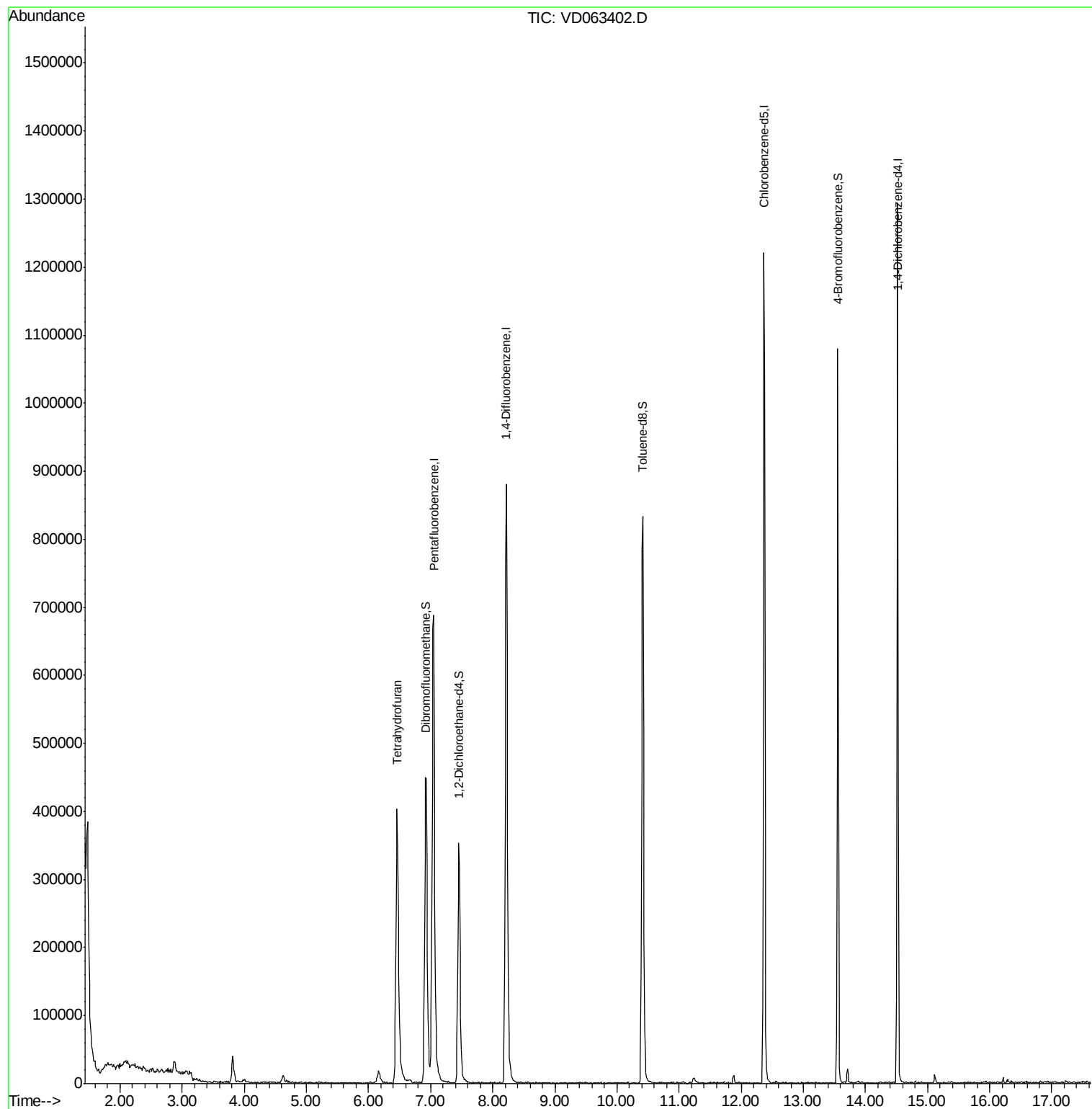
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	670076	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	939562	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	691497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	270333	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	384915	51.77	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.54%	
35) Dibromofluoromethane	6.93	113	402559	50.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.36%	
50) Toluene-d8	10.42	98	670449	37.34	ug/l	0.01
Spiked Amount 50.000			Recovery	=	74.68%	
62) 4-Bromofluorobenzene	13.56	95	280193	34.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.50%	
Target Compounds						
29) Tetrahydrofuran	6.46	42	325454	472.822	ug/l	Qvalue 97

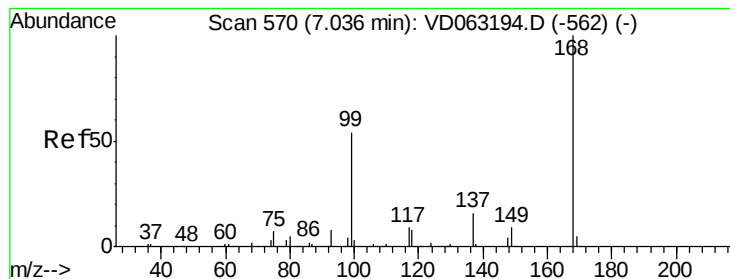
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080619\
Data File : VD063402.D
Acq On : 6 Aug 2019 16:43
Operator : JC/SY
Sample : K4165-05
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

Quant Time: Aug 07 07:39:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

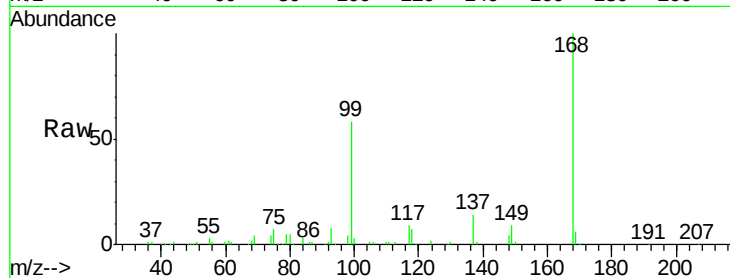
CP-SHALLOW-PIPE-SOIL

Tot Ion:168 Resp: 670076

Ion Ratio Lower Upper

168 100

99 57.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

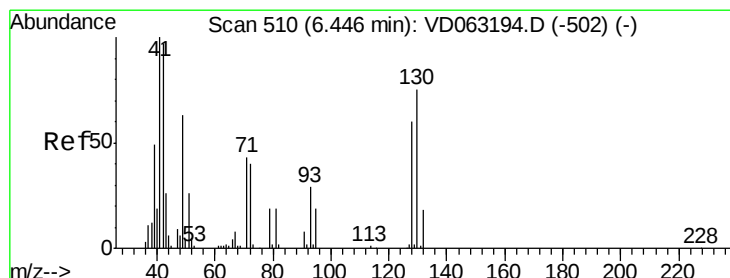
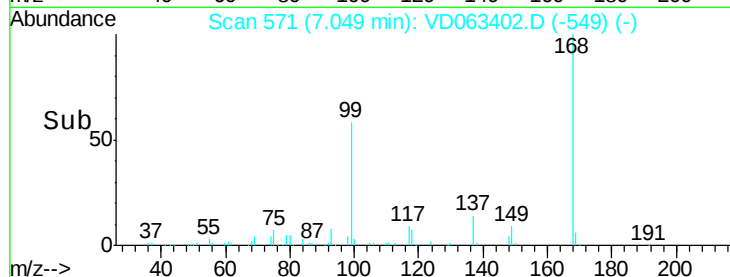
150000

100000

50000

0

Time-->



#29

Tetrahydrofuran

Concen: 472.822 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

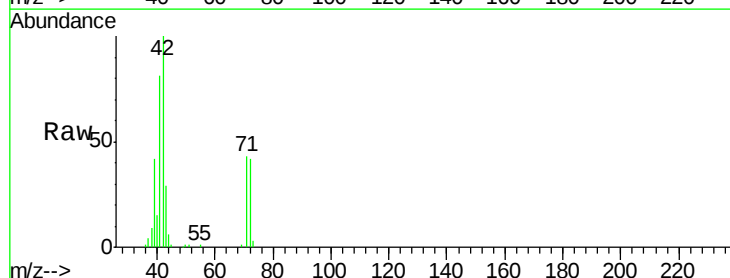
Tgt Ion: 42 Resp: 325454

Ion Ratio Lower Upper

42 100

72 43.0 33.4 50.2

71 42.6 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

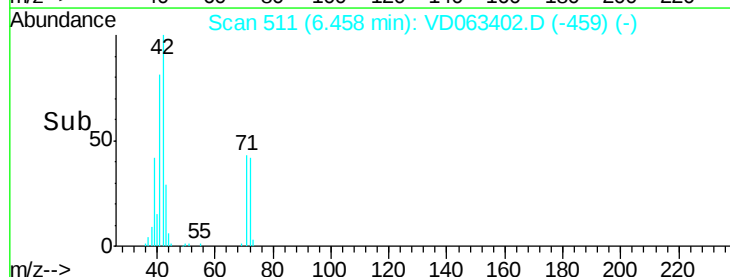
6.46

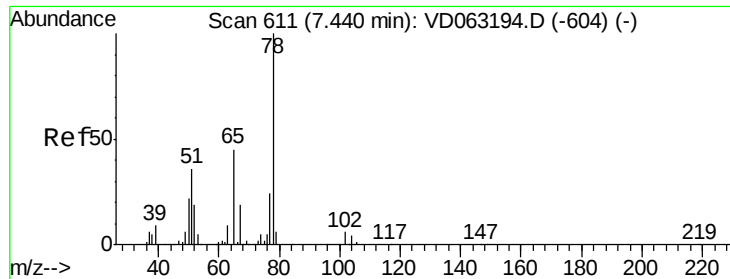
100000

50000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.770 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

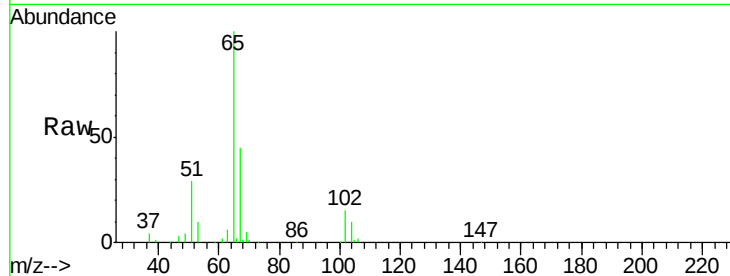
CP-SHALLOW-PIPE-SOIL

Tot Ion: 65 Resp: 384915

Ion Ratio Lower Upper

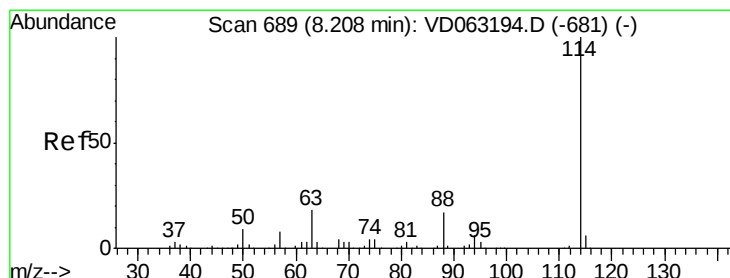
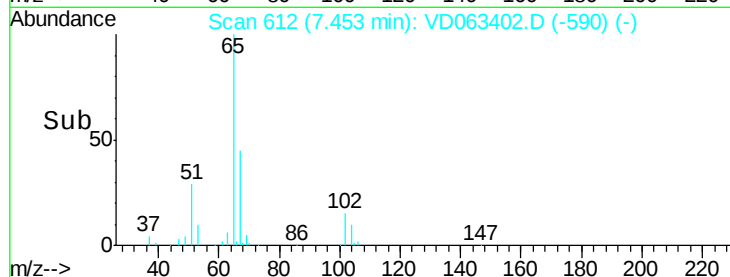
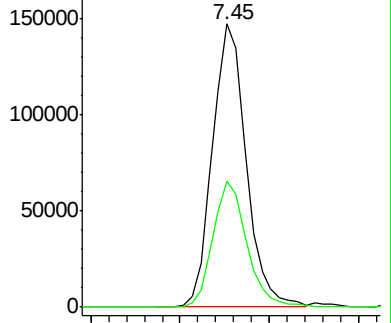
65 100

67 44.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

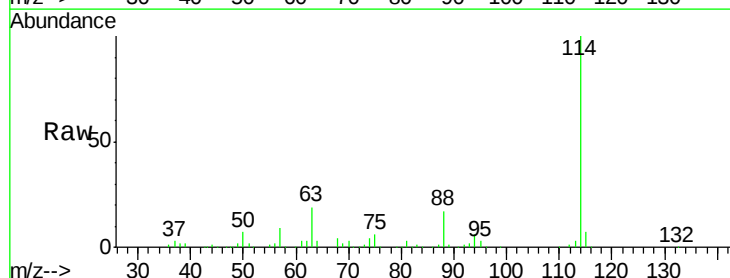
Tgt Ion: 114 Resp: 939562

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.2

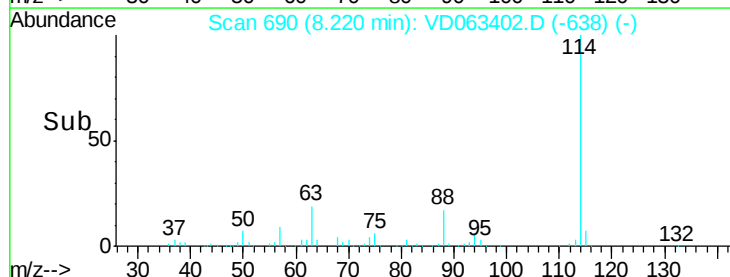
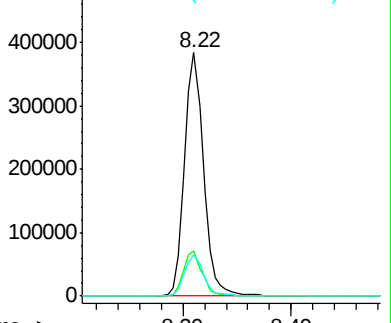
88 17.3 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.183 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

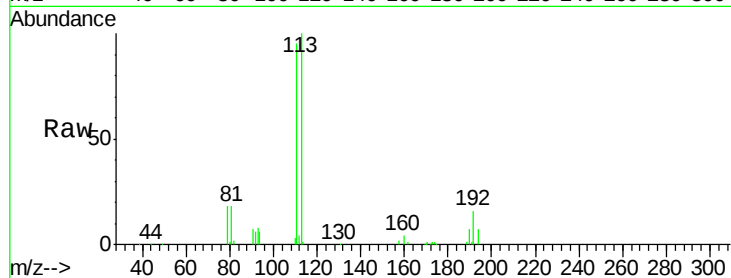
Tot Ion:113 Resp: 402559

Ion Ratio Lower Upper

113 100

111 94.9 83.2 124.8

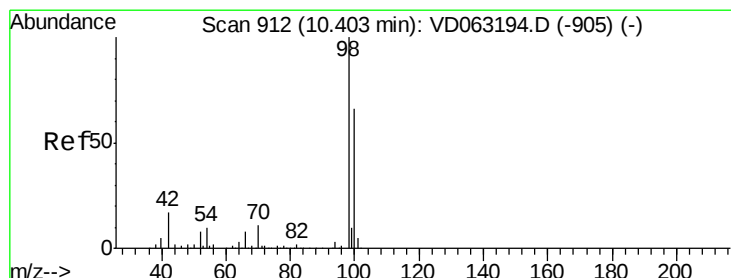
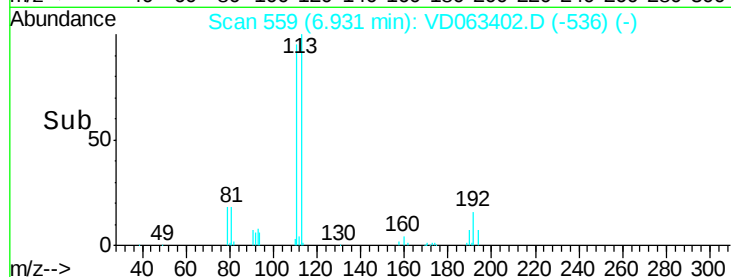
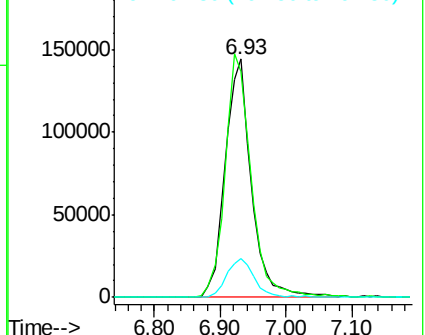
192 16.1 11.8 17.8



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: 37.345 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063402.D

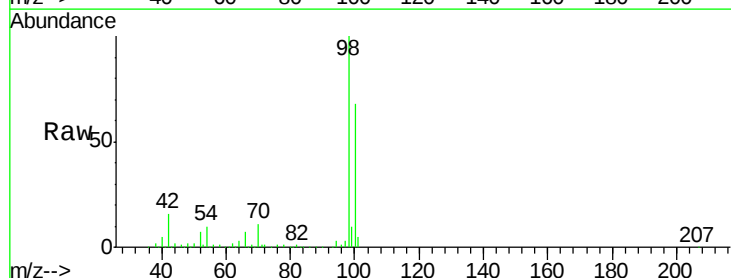
Acq: 6 Aug 2019 16:43

Tgt Ion: 98 Resp: 670449

Ion Ratio Lower Upper

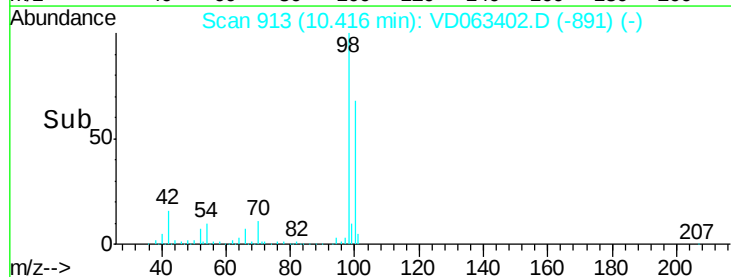
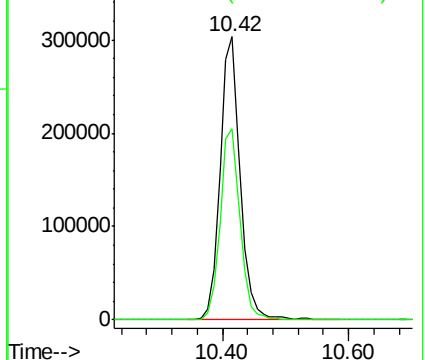
98 100

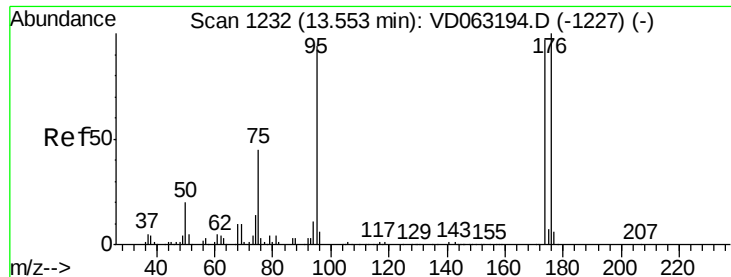
100 67.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 34.249 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

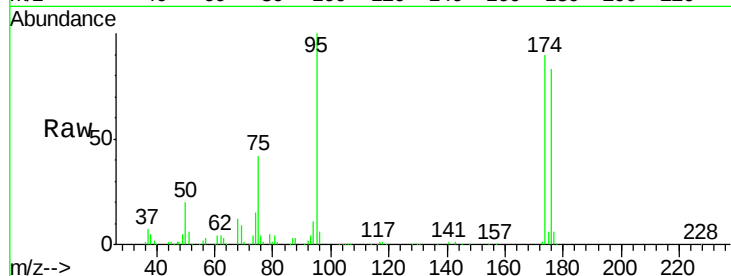
Tot Ion: 95 Resp: 280193

Ion Ratio Lower Upper

95 100

174 90.2 0.0 205.4

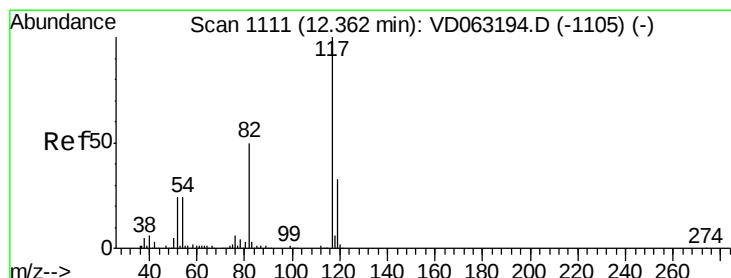
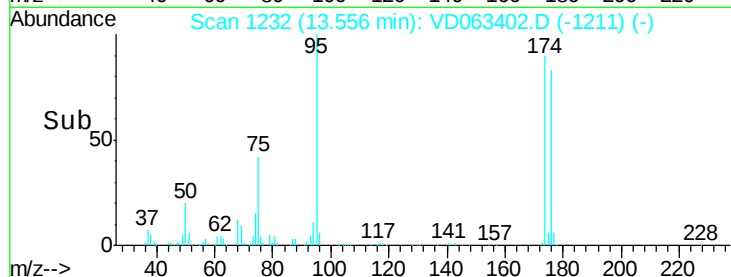
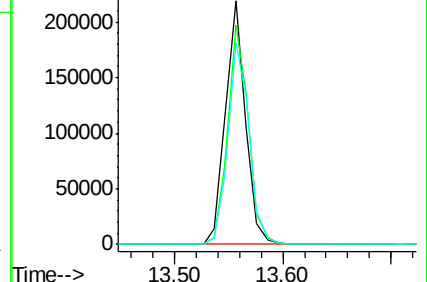
176 82.6 0.0 211.8



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: VD063402.D

Acq: 6 Aug 2019 16:43

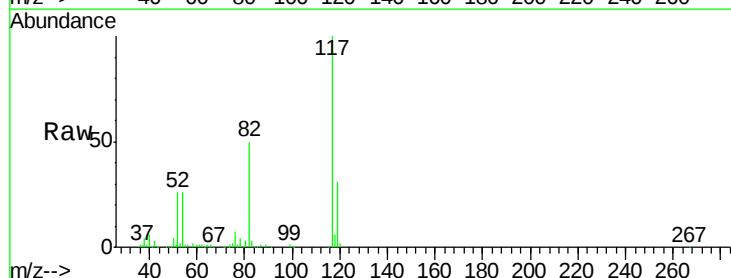
Tgt Ion: 117 Resp: 691497

Ion Ratio Lower Upper

117 100

82 50.4 40.1 60.1

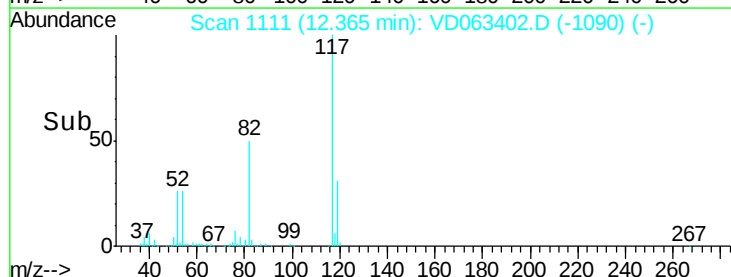
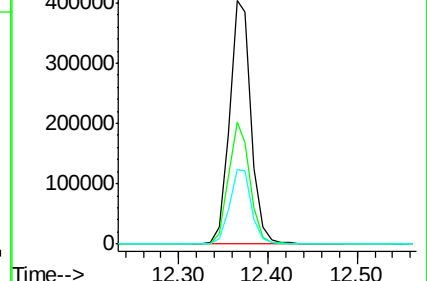
119 30.9 26.5 39.7

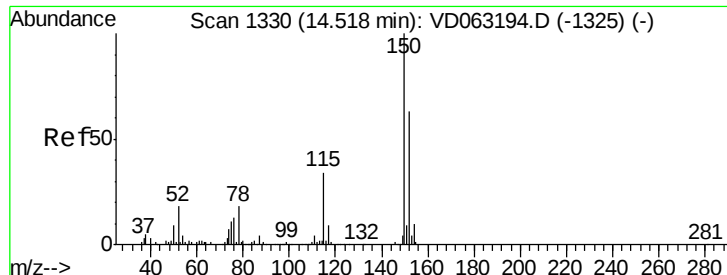


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

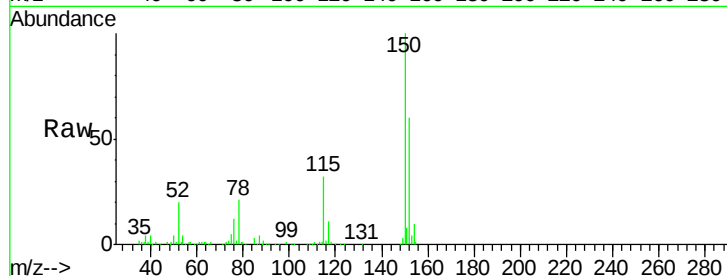
Tot Ion:152 Resp: 270333

Ion Ratio Lower Upper

152 100

115 53.7 27.5 82.4

150 166.4 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

