

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067362.D
 Acq On : 22 Oct 2020 15:11
 Operator : VA/SY
 Sample : L4480-01
 Misc : 5.82G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IS-SOIL-PILE

Quant Time: Oct 23 06:14:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	328735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	532249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	515275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245926	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	167165	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	7.92	113	173896	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.34	98	623260	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.64	95	219662	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

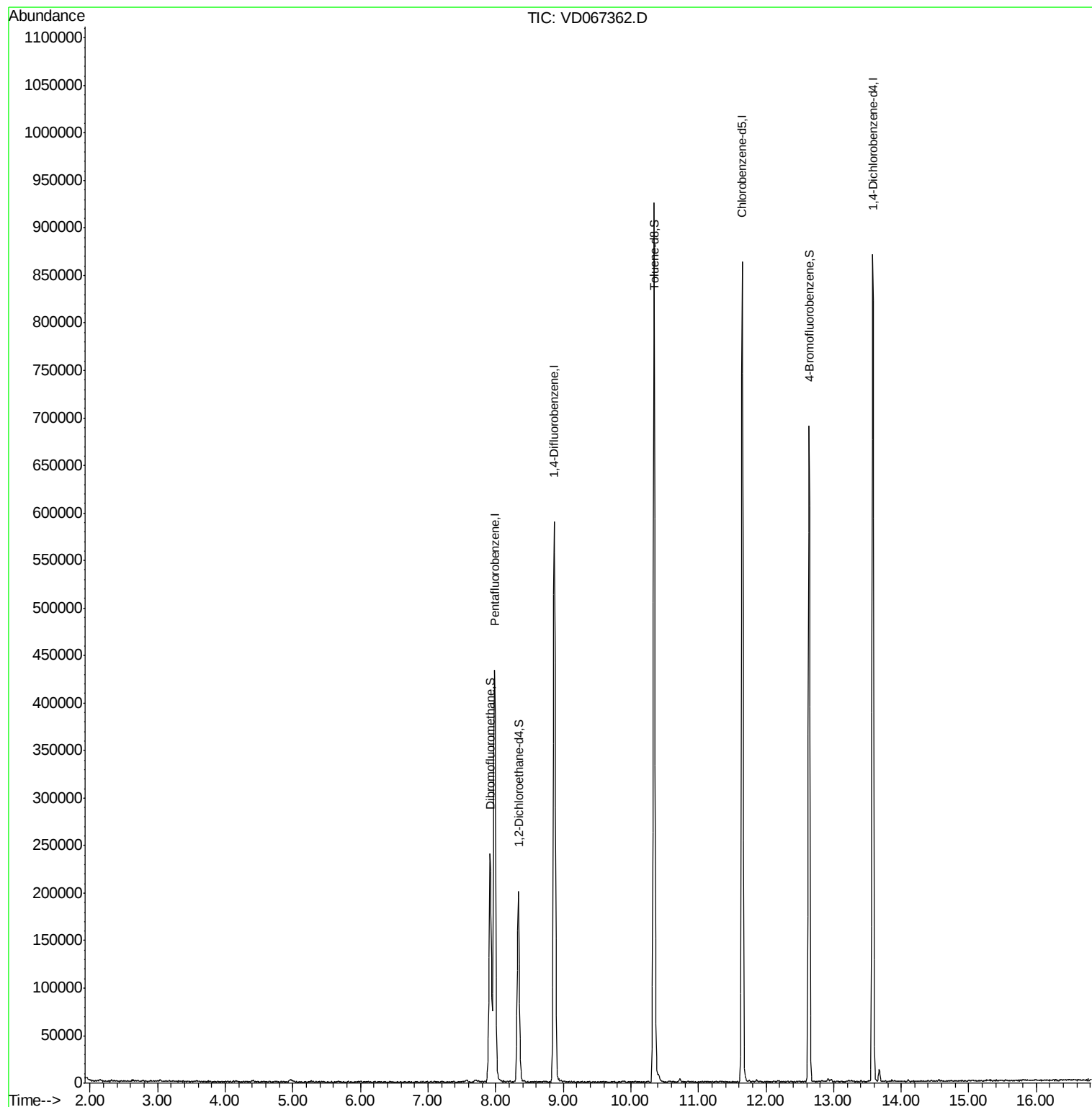
Target Compounds	Qvalue

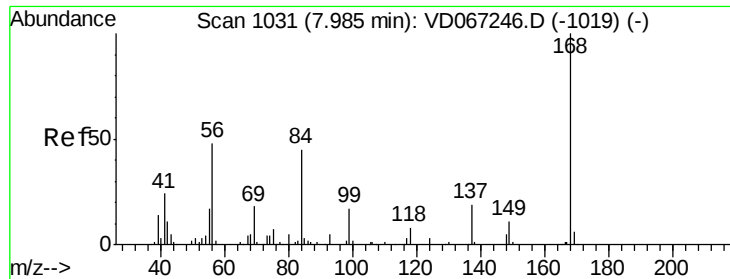
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

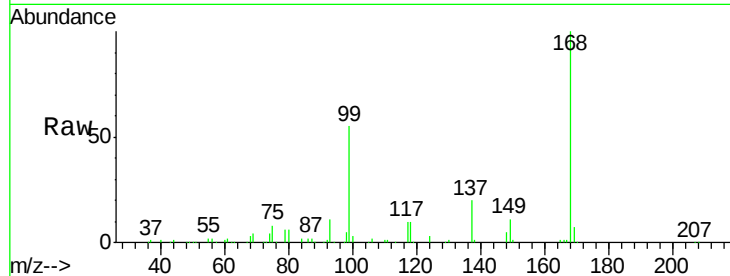
IS-SOIL-PILE

Tot Ion:168 Resp: 328735

Ion Ratio Lower Upper

168 100

99 55.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

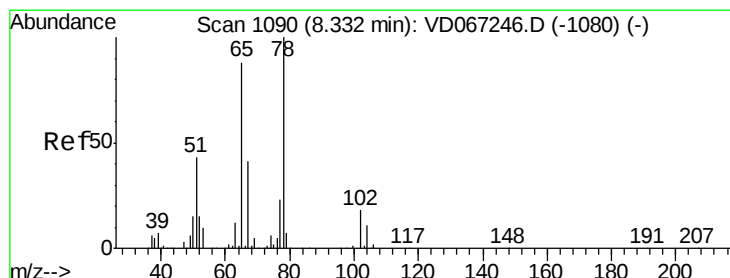
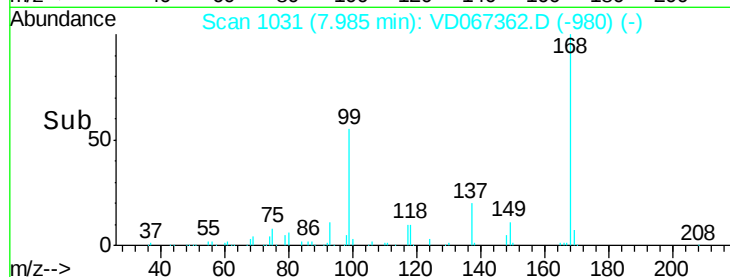
100000

50000

0

7.90 8.00 8.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.757 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067362.D

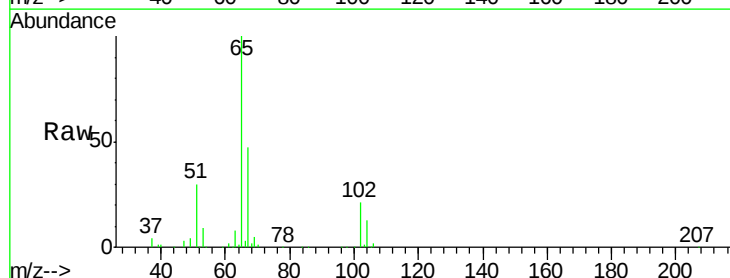
Acq: 22 Oct 2020 15:11

Tgt Ion: 65 Resp: 167165

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

60000

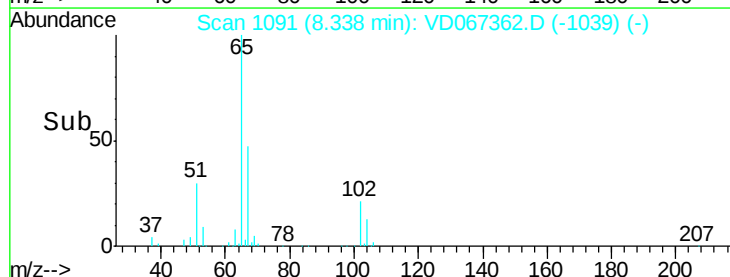
40000

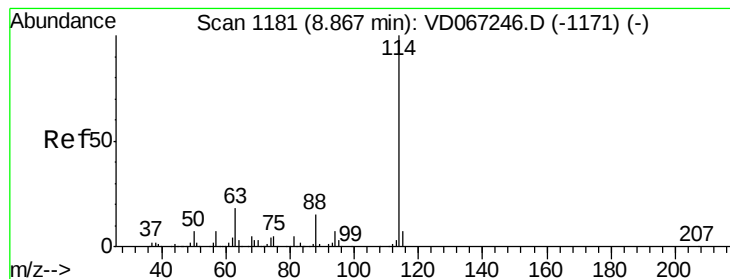
20000

0

8.20 8.30 8.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

IS-SOIL-PILE

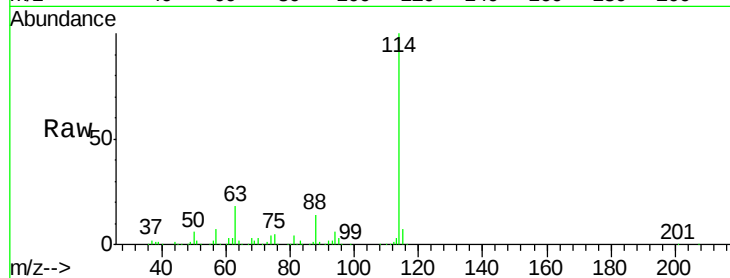
Tot Ion:114 Resp: 532249

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

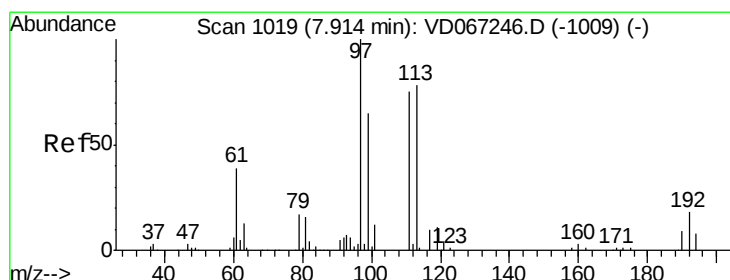
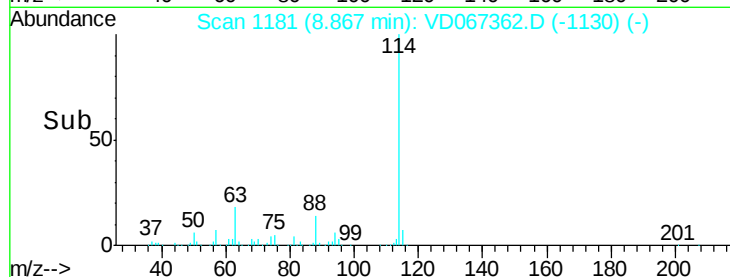
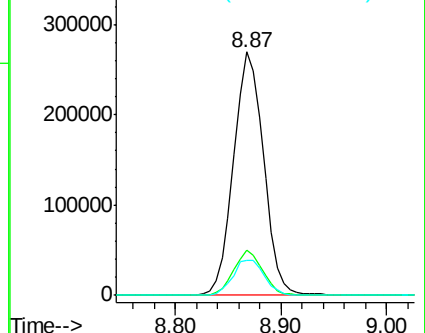
88 14.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.094 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

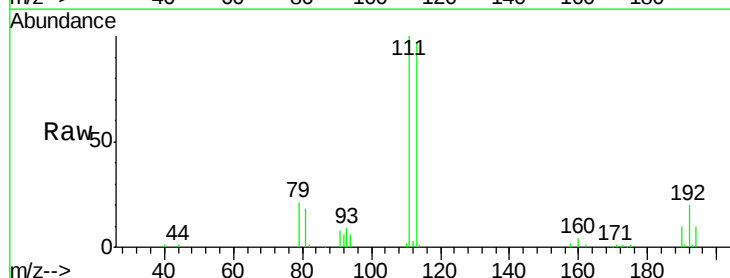
Tgt Ion:113 Resp: 173896

Ion Ratio Lower Upper

113 100

111 100.7 81.6 122.4

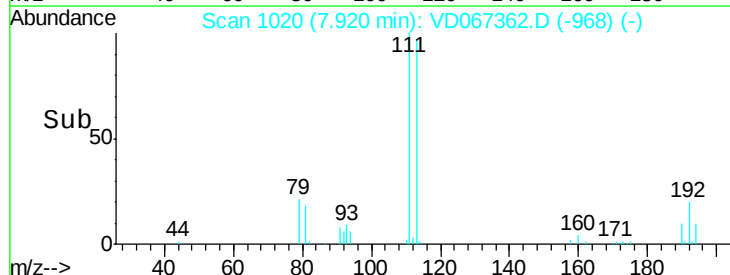
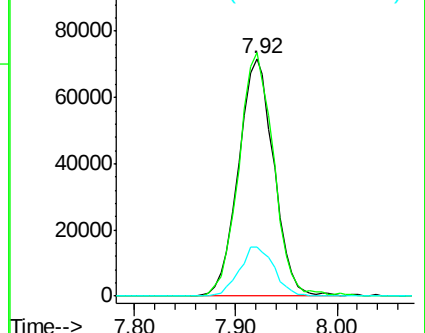
192 20.4 17.0 25.4

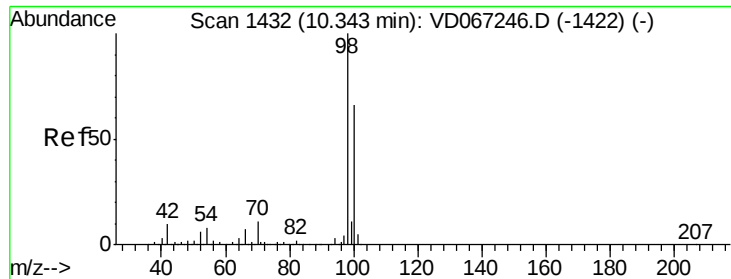


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.621 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

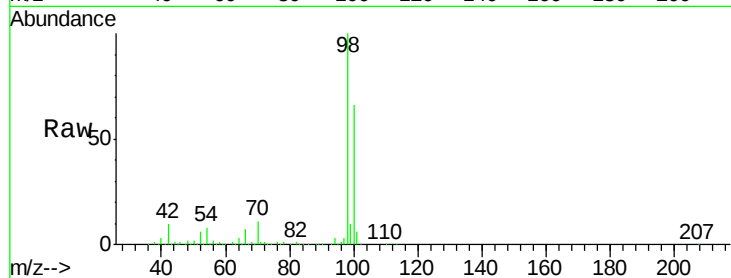
IS-SOIL-PILE

Tot Ion: 98 Resp: 623260

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VD067246.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD067246.D (-1422) (-)

10.34

400000

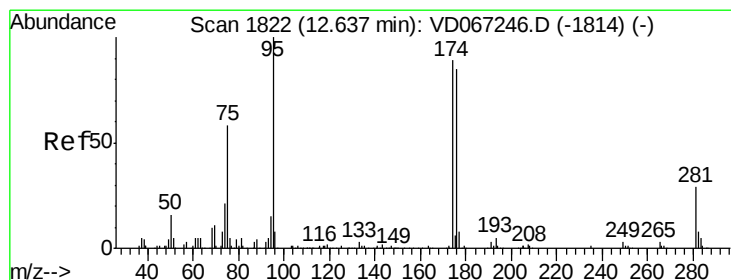
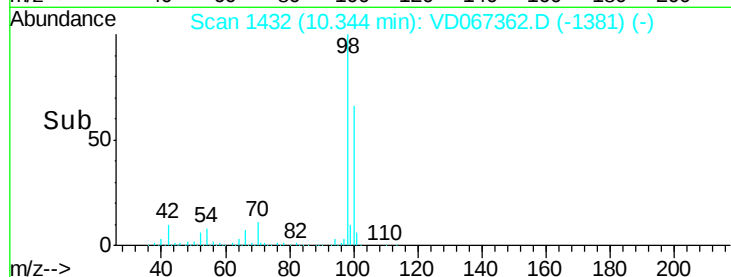
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.281 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

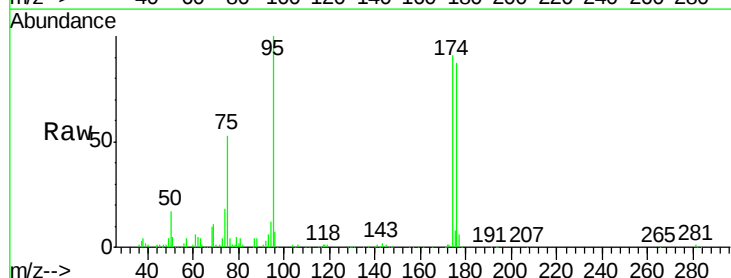
Tgt Ion: 95 Resp: 219662

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

176 86.0 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VD067246.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD067246.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD067246.D (-1814) (-)

12.64

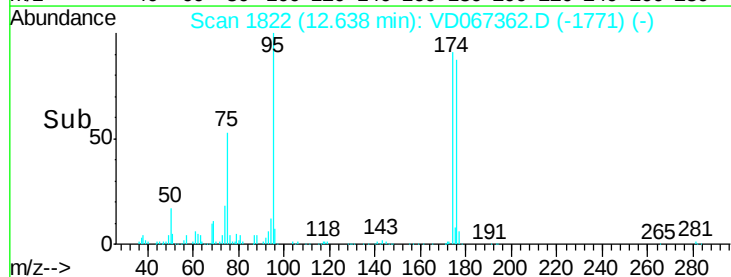
150000

100000

50000

0

Time-->

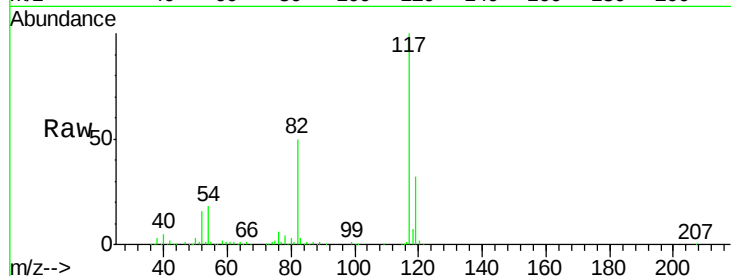




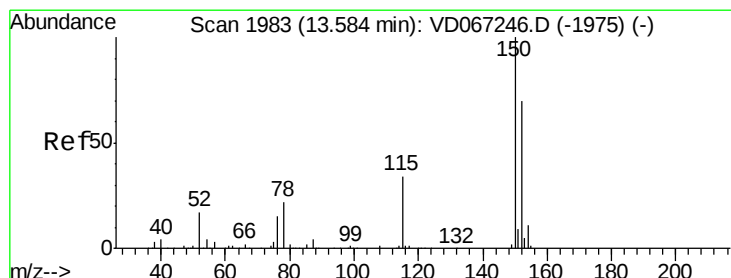
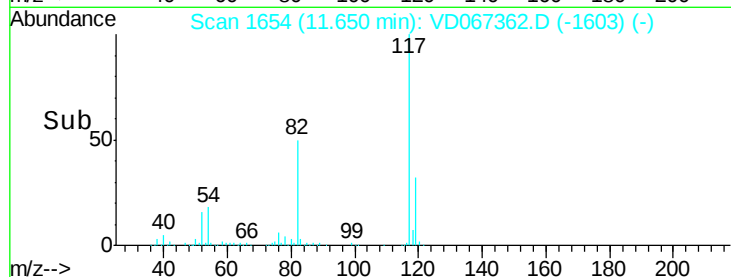
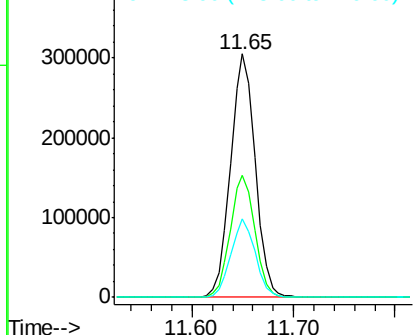
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067362.D
Acq: 22 Oct 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
IS-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	39.9	59.9
119	32.0	24.9	37.3

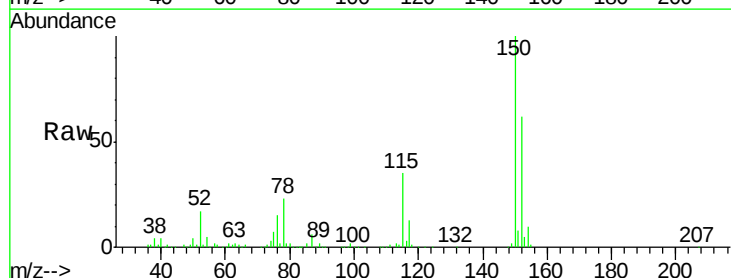


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067362.D
Acq: 22 Oct 2020 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	87.9
150	158.5	0.0	339.0



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

