

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067258.D
 Acq On : 13 Oct 2020 17:58
 Operator : VA/SY
 Sample : L4383-01
 Misc : 5.00G/5.01ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BB-SOIL

Quant Time: Oct 14 02:13:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

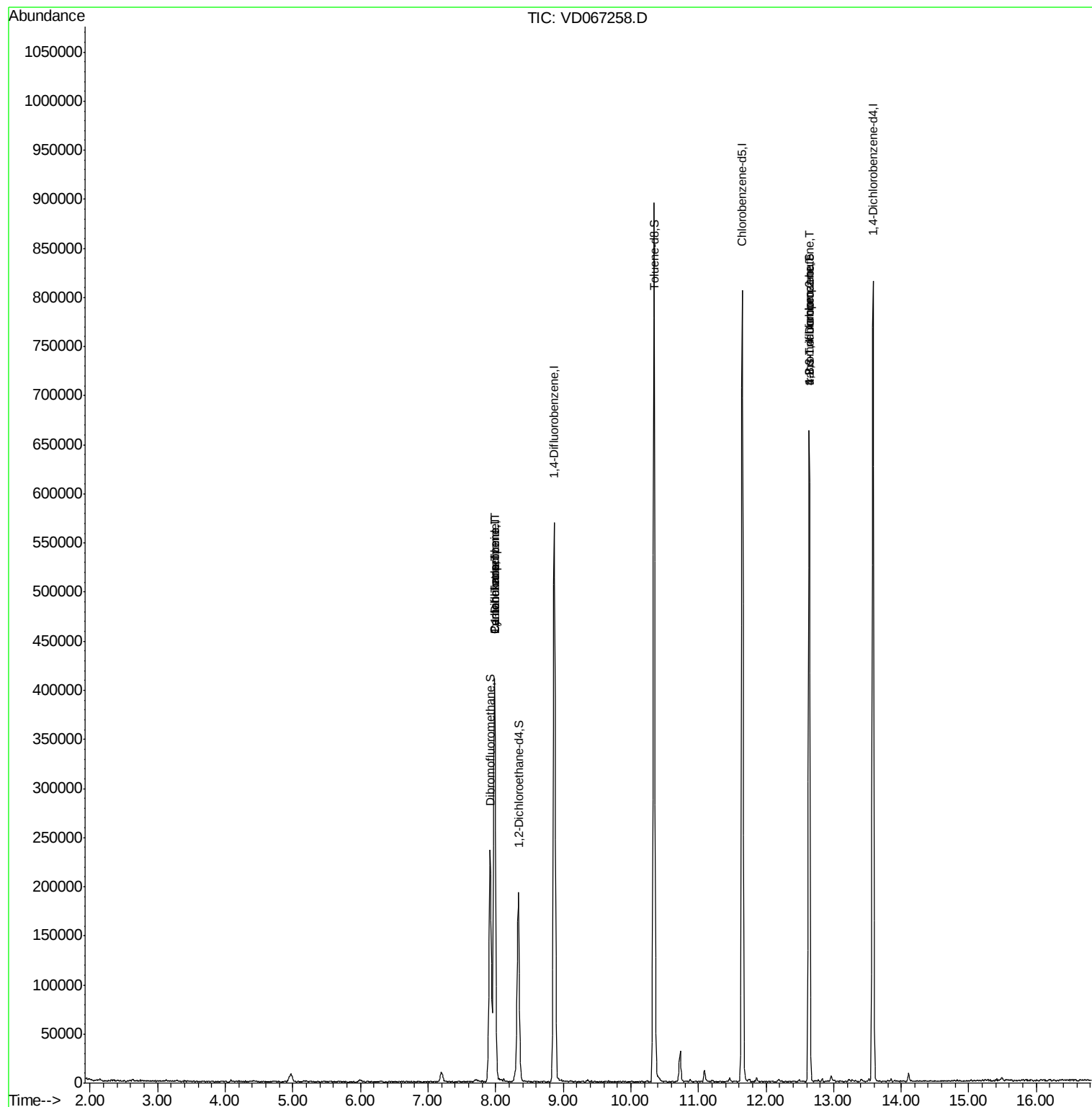
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	308125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	488540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224590	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	161200	52.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.44%	
35) Dibromofluoromethane	7.91	113	166172	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
50) Toluene-d8	10.34	98	597463	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.64	95	206605	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	728	Below Cal	#	44
5) Bromomethane	2.79	94	309	Below Cal	#	57
11) Tert butyl alcohol	5.19	59	500	Below Cal	#	81
20) Methylene Chloride	4.97	84	8146	Below Cal	#	84
31) Cyclohexane	7.98	56	6103	1.716	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	21265	4.961	ug/l #	50
38) Carbon Tetrachloride	7.98	117	31443	5.739	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	105044	67.482	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105044	153.029	ug/l #	10

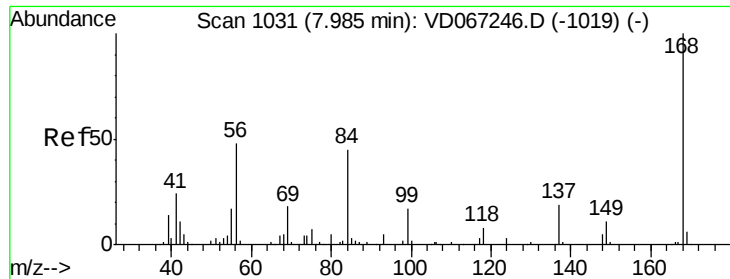
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101320\
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MSVOA_D
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Quant Time: Oct 14 02:13:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 13 13:05:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067258.D

Acq: 13 Oct 2020 17:58

Instrument :

MSVOA_D

ClientSampleId :

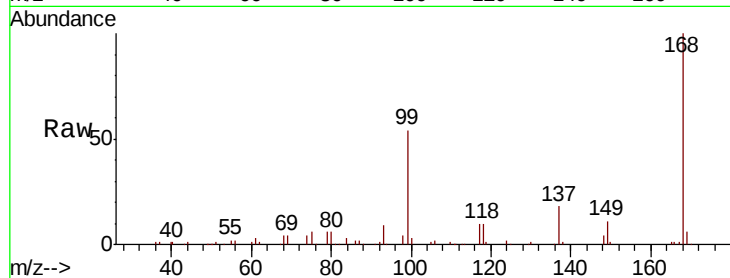
BB-SOIL

Tot Ion:168 Resp: 308125

Ion Ratio Lower Upper

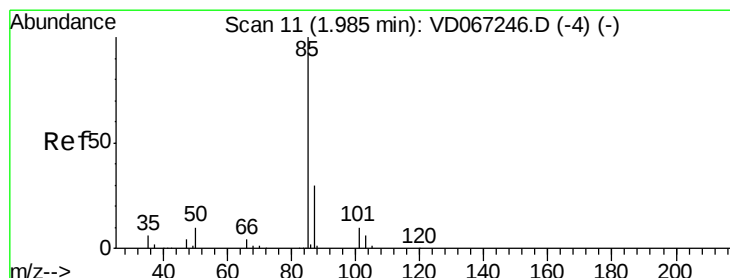
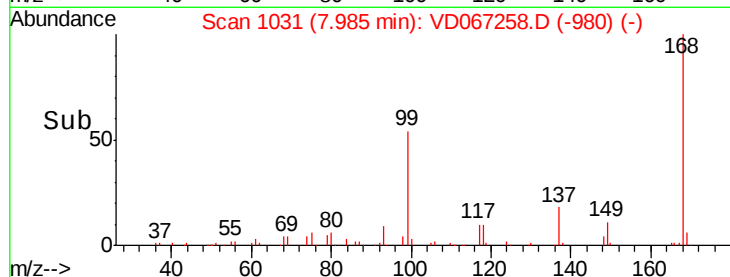
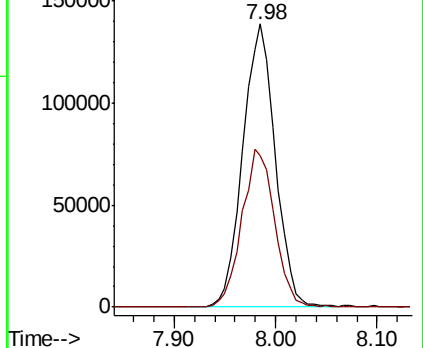
168 100

99 53.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067258.D

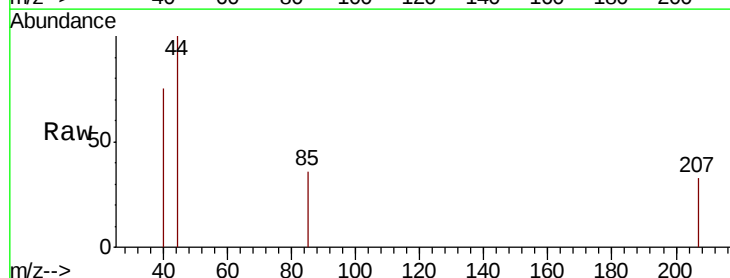
Acq: 13 Oct 2020 17:58

Tgt Ion: 85 Resp: 728

Ion Ratio Lower Upper

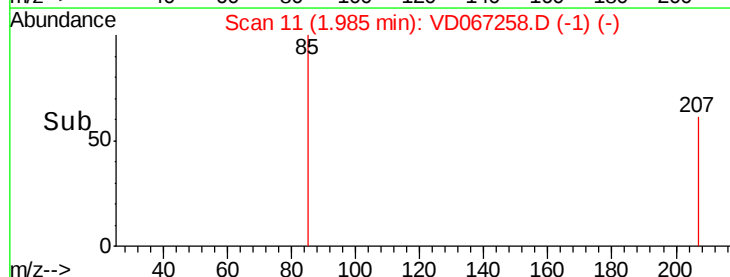
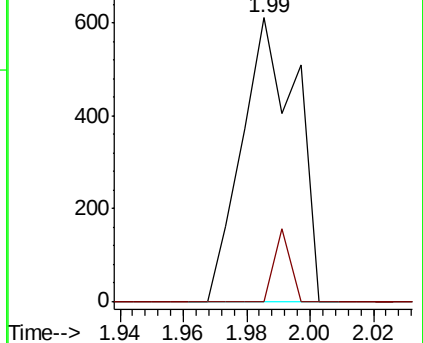
85 100

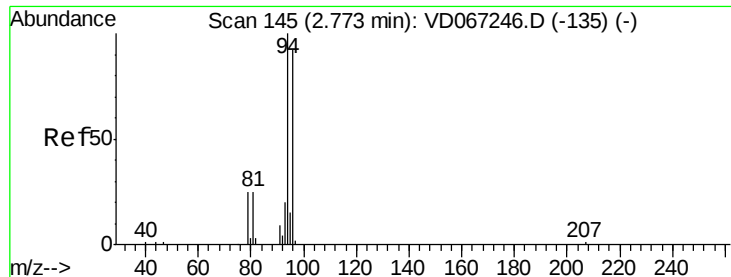
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067258.D

Acq: 13 Oct 2020 17:58

Instrument :

MSVOA_D

ClientSampleId :

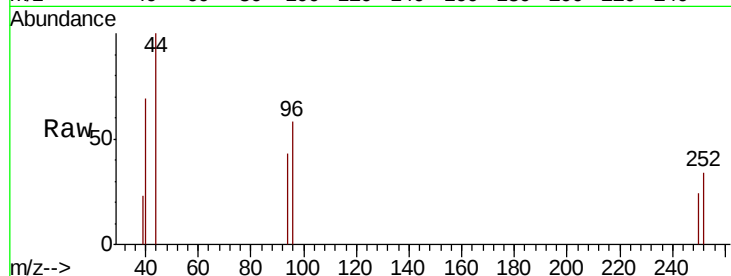
BB-SOIL

Tot Ion: 94 Resp: 309

Ion Ratio Lower Upper

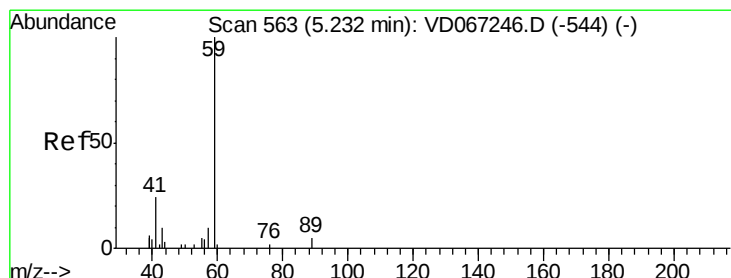
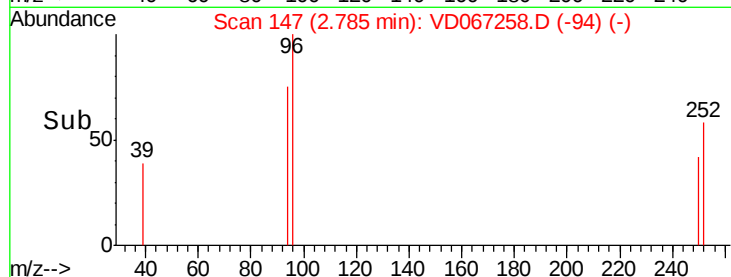
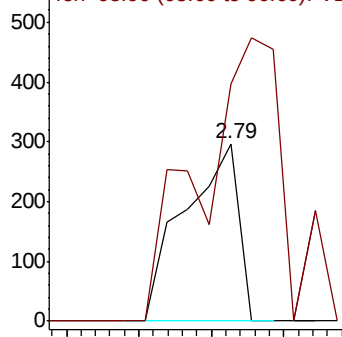
94 100

96 133.7 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD067258.D

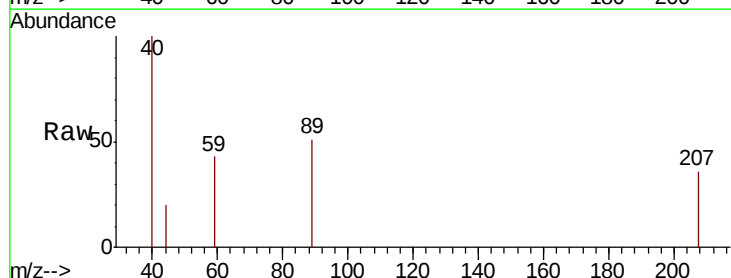
Acq: 13 Oct 2020 17:58

Tgt Ion: 59 Resp: 500

Ion Ratio Lower Upper

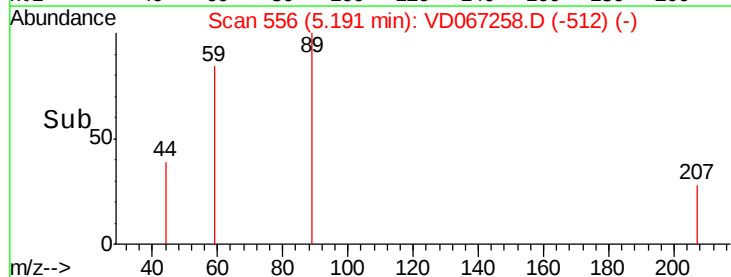
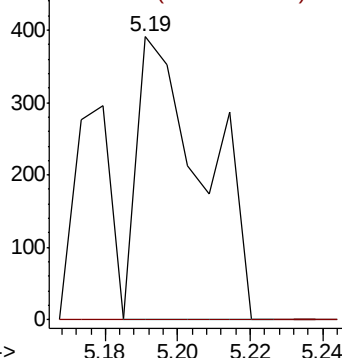
59 100

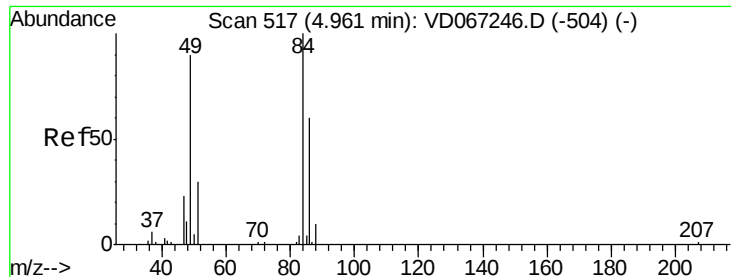
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

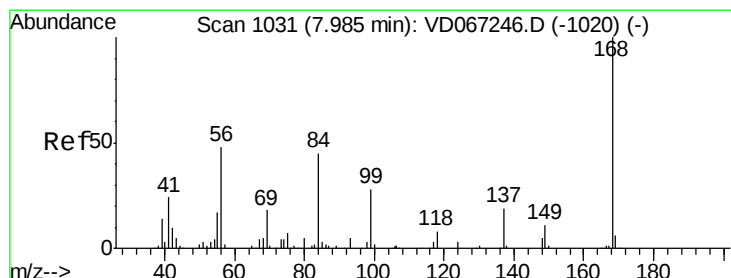
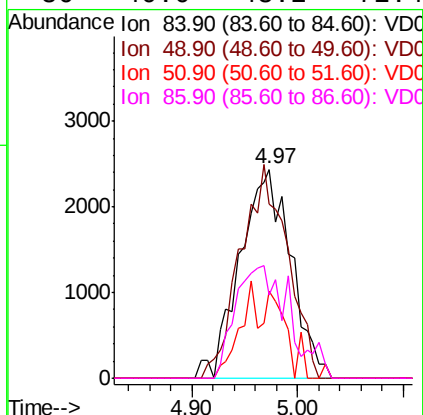
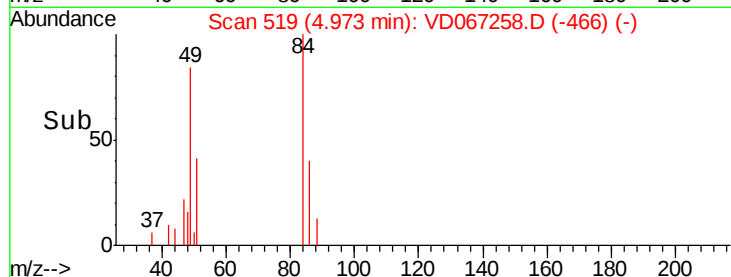
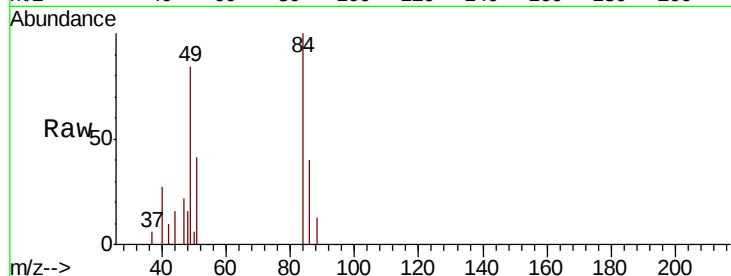




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067258.D
Acq: 13 Oct 2020 17:58

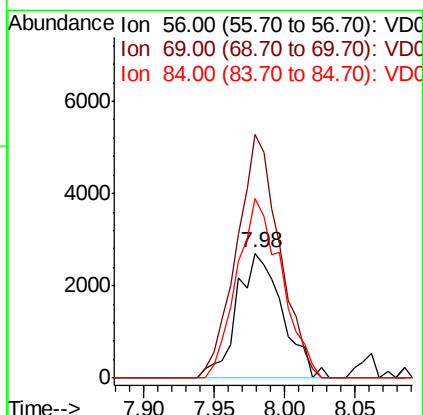
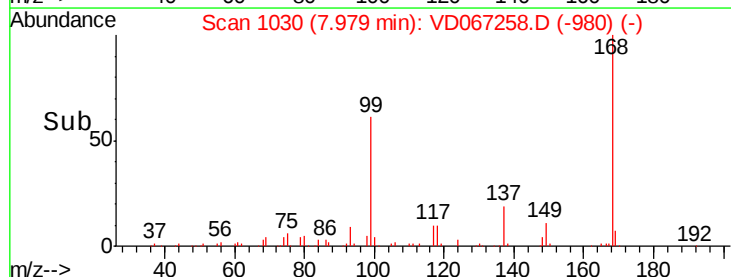
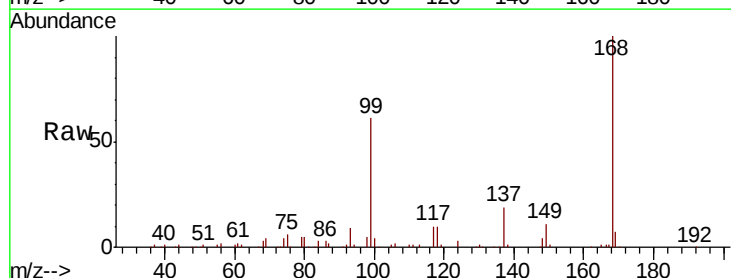
Instrument :
MSVOA_D
ClientSampleId :
BB-SOIL

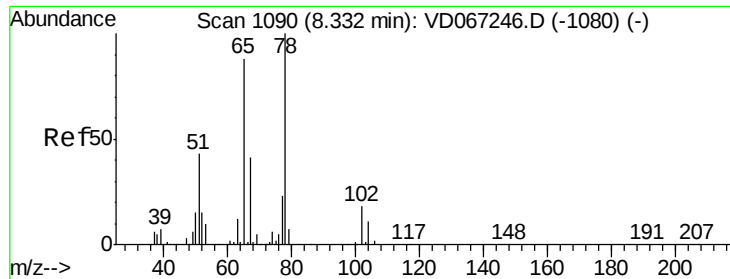
Tot Ion: 84 Resp: 8146
Ion Ratio Lower Upper
84 100
49 83.6 72.2 108.2
51 41.5 23.8 35.8#
86 40.0 48.2 72.4#



#31
Cyclohexane
Concen: 1.716 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067258.D
Acq: 13 Oct 2020 17:58

Tgt Ion: 56 Resp: 6103
Ion Ratio Lower Upper
56 100
69 195.3 29.8 44.6#
84 144.4 76.6 114.8#

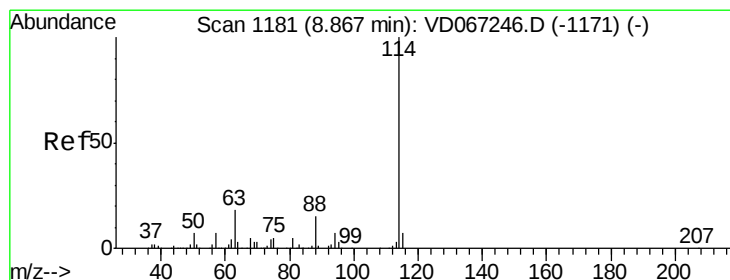
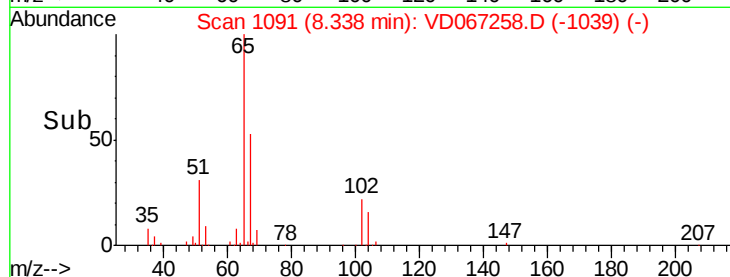
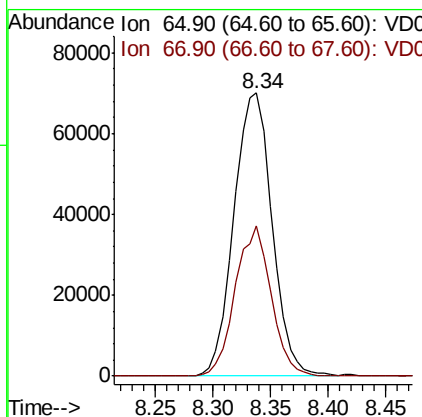
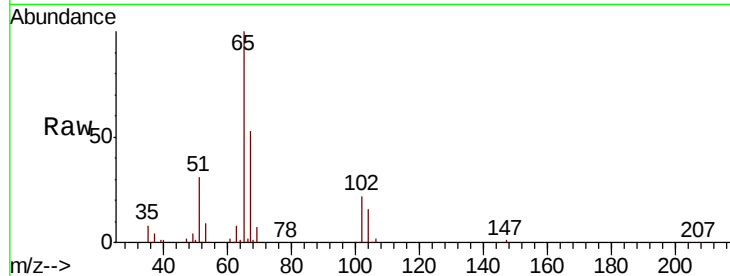




#33
 1,2-Dichloroethane-d4
 Concen: 52.220 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067258.D
 Acq: 13 Oct 2020 17:58

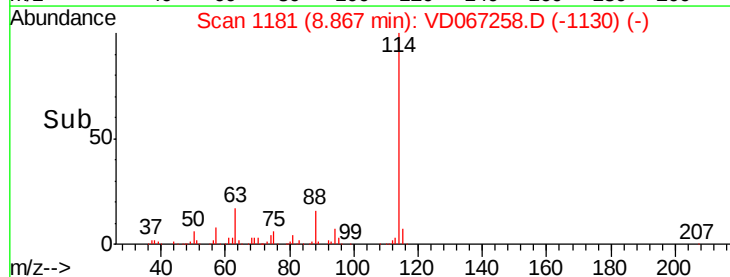
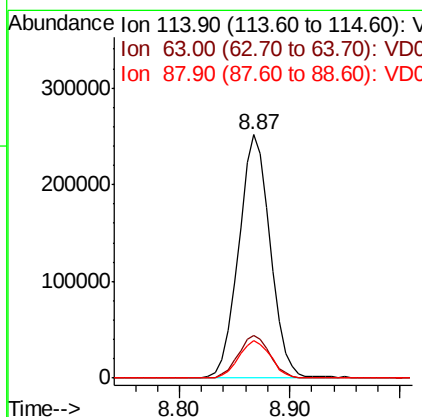
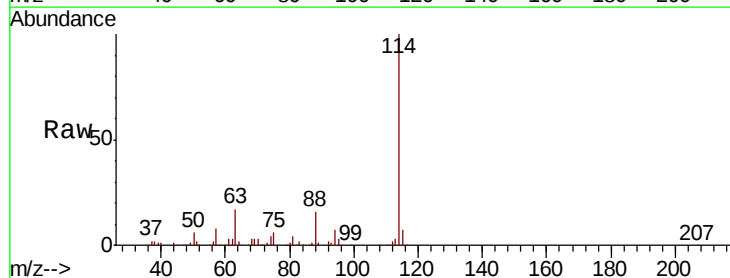
Instrument :
 MSVOA_D
 ClientSampleId :
 BB-SOIL

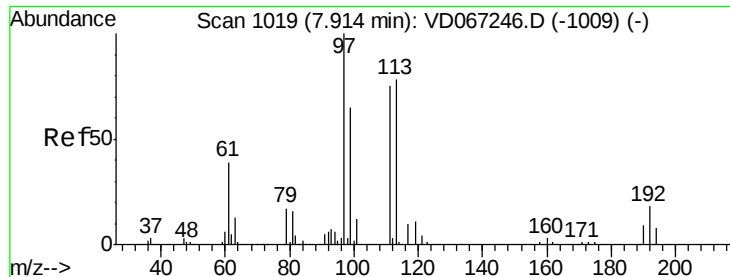
Tot Ion: 65 Resp: 161200
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067258.D
 Acq: 13 Oct 2020 17:58

Tgt Ion: 114 Resp: 505765
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 15.7 0.0 30.6

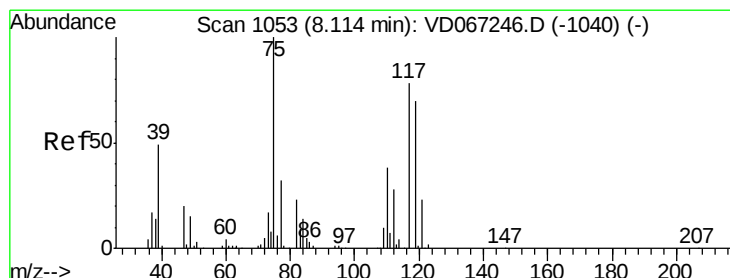
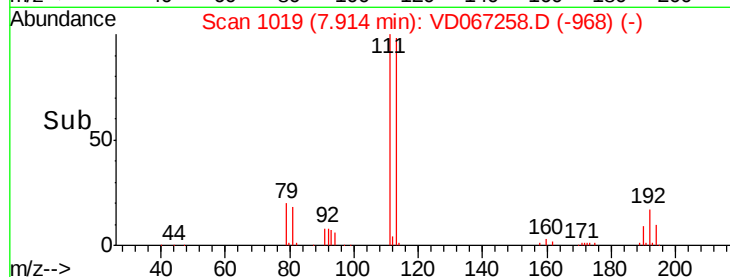
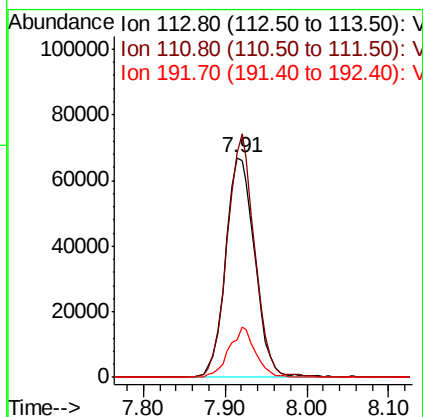
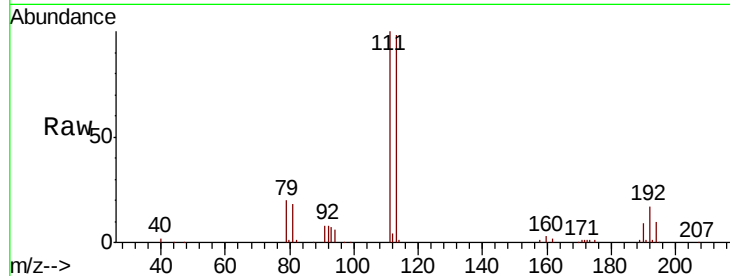




#35
 Dibromofluoromethane
 Concen: 49.370 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067258.D
 Acq: 13 Oct 2020 17:58

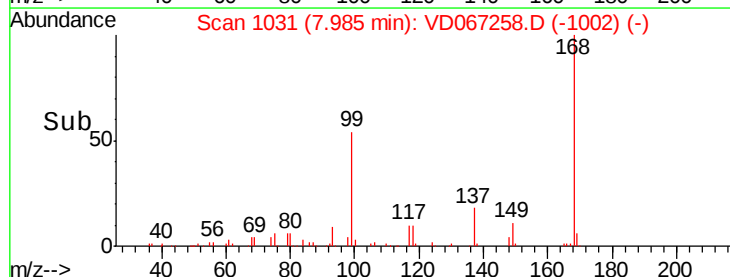
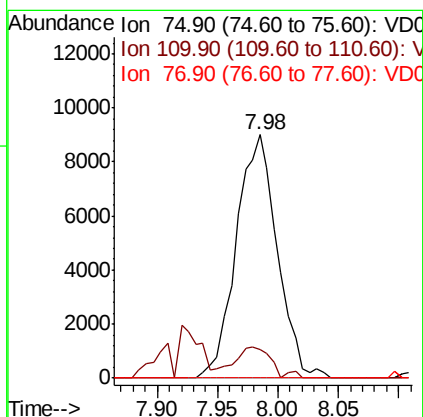
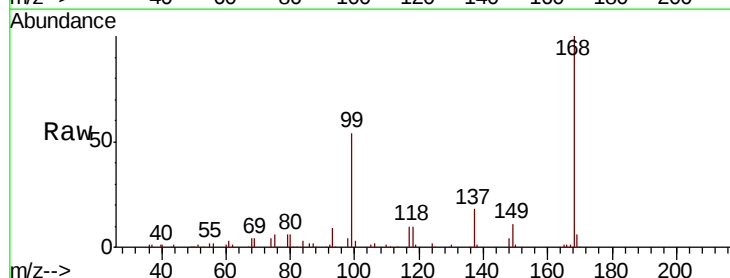
Instrument :
 MSVOA_D
 ClientSampleId :
 BB-SOIL

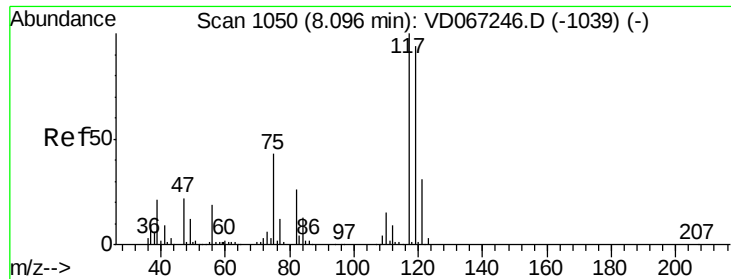
Tot Ion:113 Resp: 166172
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.6 122.4
 192 20.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067258.D
 Acq: 13 Oct 2020 17:58

Tgt Ion: 75 Resp: 21265
 Ion Ratio Lower Upper
 75 100
 110 11.5 19.6 58.7#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067258.D

Acq: 13 Oct 2020 17:58

Instrument :

MSVOA_D

ClientSampleId :

BB-SOIL

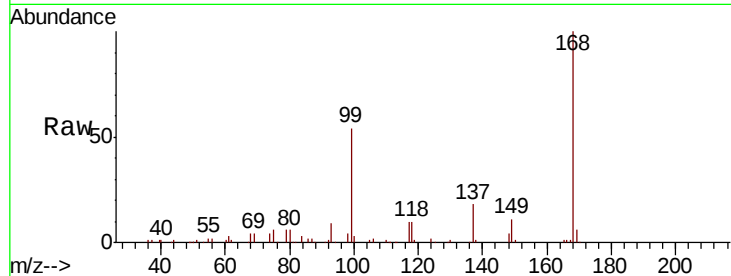
Tot Ion:117 Resp: 31443

Ion Ratio Lower Upper

117 100

119 6.1 75.0 112.4#

121 0.0 24.9 37.3#

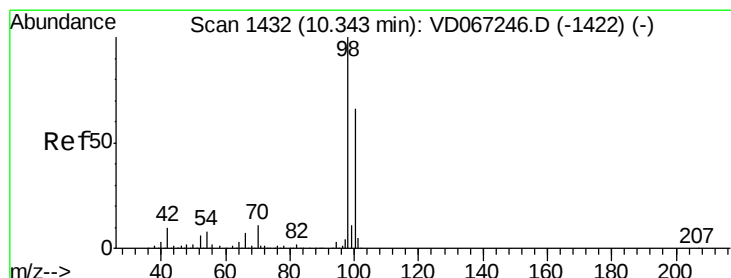
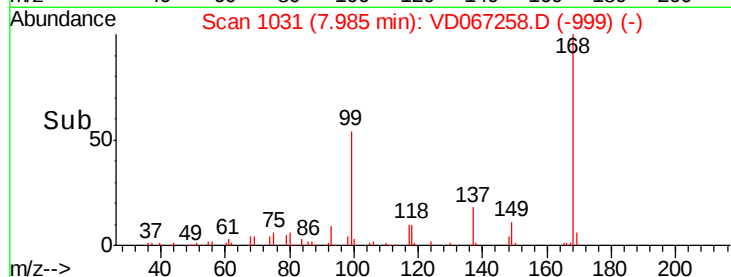
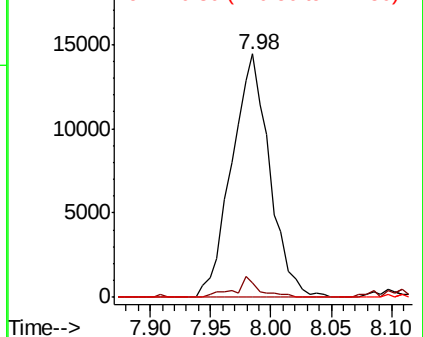


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.050 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067258.D

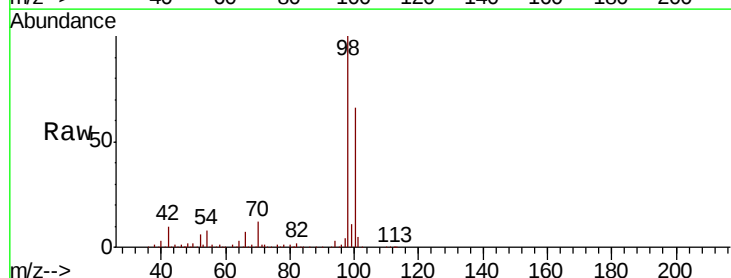
Acq: 13 Oct 2020 17:58

Tgt Ion: 98 Resp: 597463

Ion Ratio Lower Upper

98 100

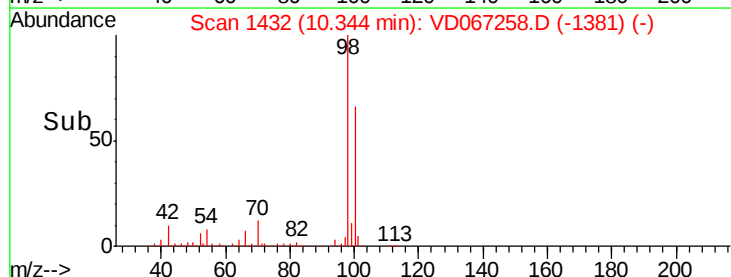
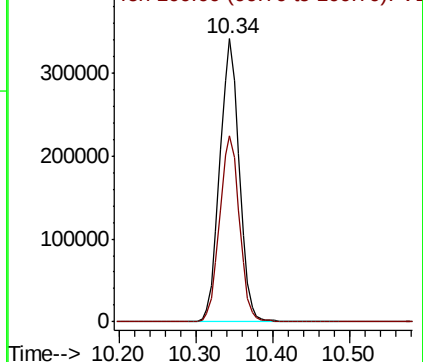
100 67.1 53.1 79.7

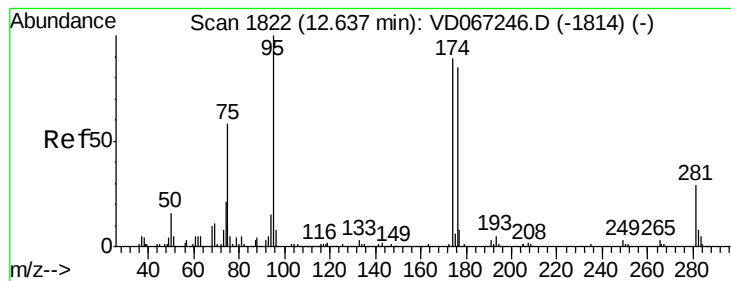


Abundance

Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.779 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067258.D

Acq: 13 Oct 2020 17:58

Instrument :

MSVOA_D

ClientSampleId :

BB-SOIL

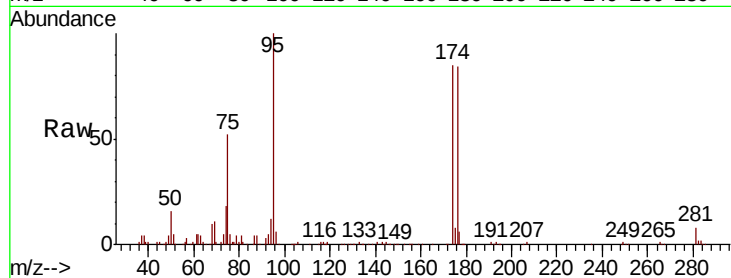
Tot Ion: 95 Resp: 206605

Ion Ratio Lower Upper

95 100

174 86.6 0.0 175.2

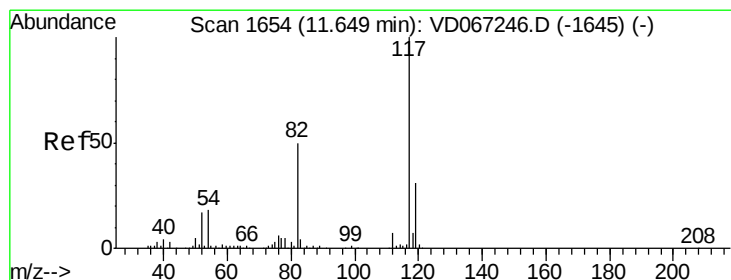
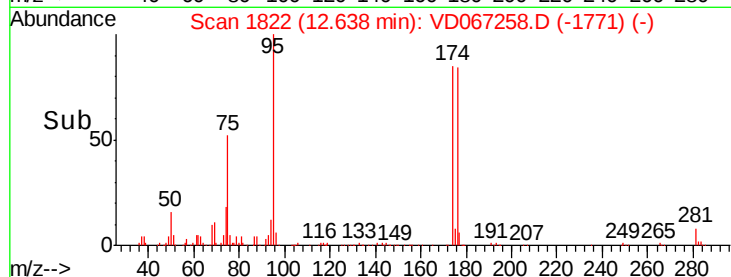
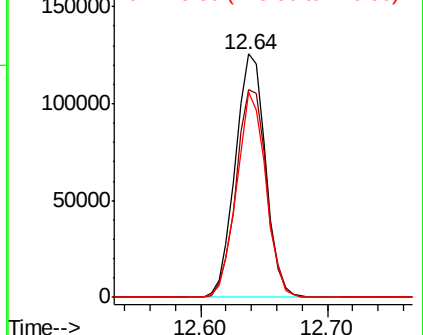
176 81.6 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067258.D

Acq: 13 Oct 2020 17:58

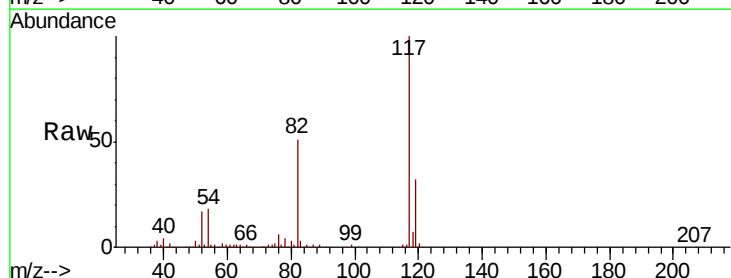
Tgt Ion: 117 Resp: 488540

Ion Ratio Lower Upper

117 100

82 50.7 39.9 59.9

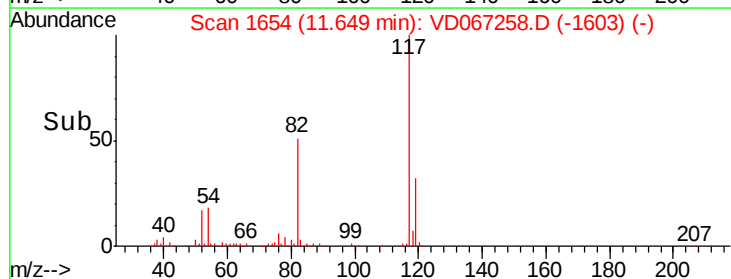
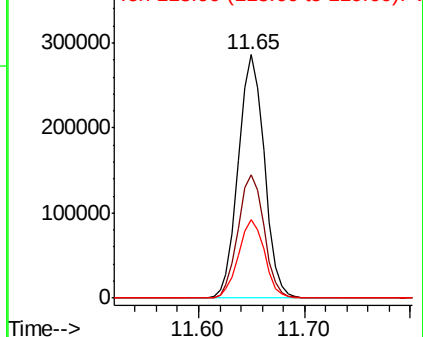
119 32.5 24.9 37.3

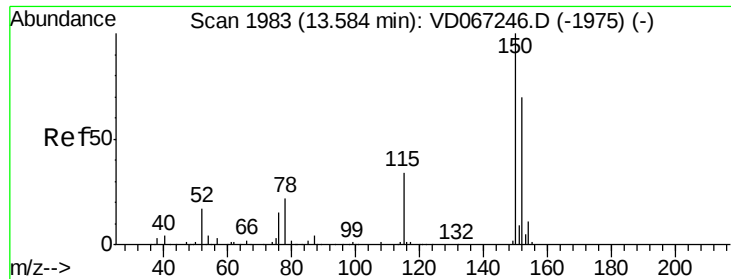


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.00 min

Lab File: VD067258.D

Acq: 13 Oct 2020 17:58

Instrument :

MSVOA_D

ClientSampleId :

BB-SOIL

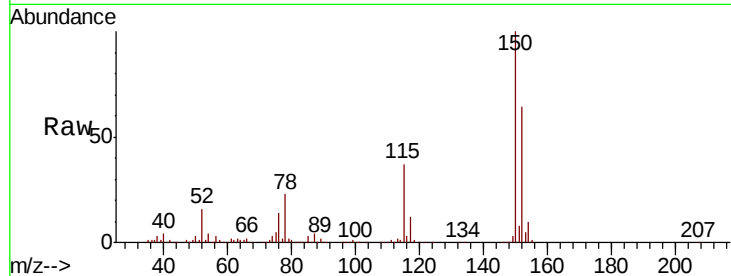
Tot Ion:152 Resp: 224590

Ion Ratio Lower Upper

152 100

115 59.6 29.3 87.9

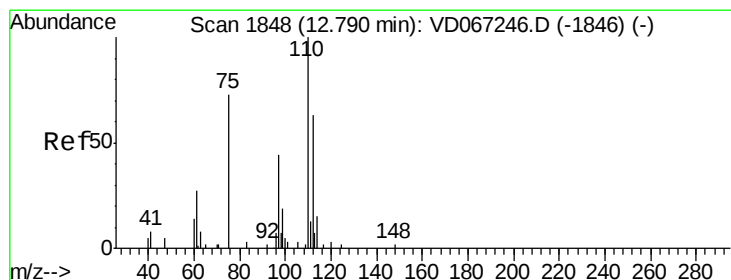
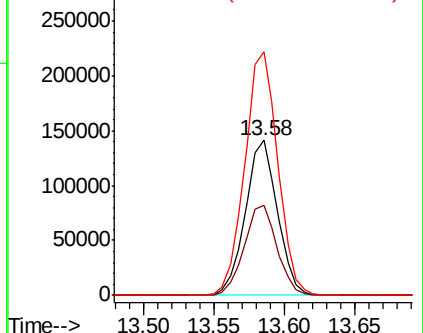
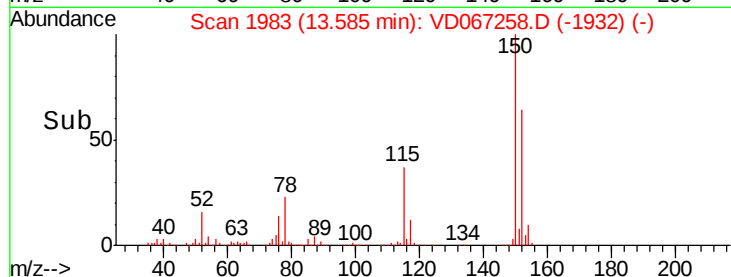
150 161.7 0.0 339.0



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



#76

1,2,3-Trichloropropane

Concen: 67.482 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067258.D

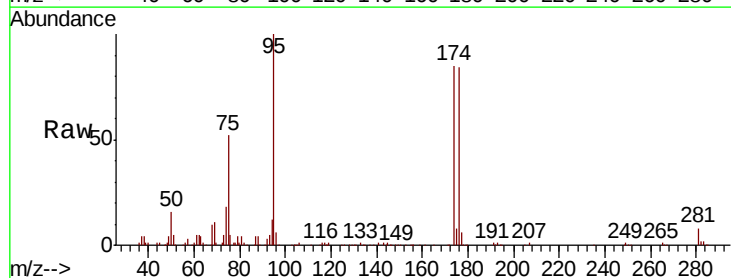
Acq: 13 Oct 2020 17:58

Tgt Ion: 75 Resp: 105044

Ion Ratio Lower Upper

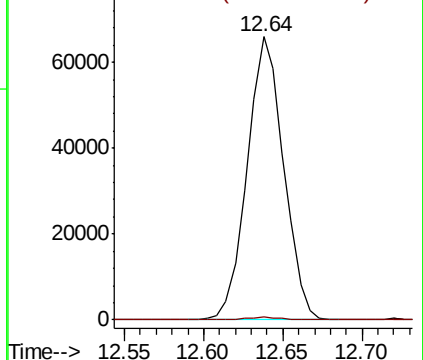
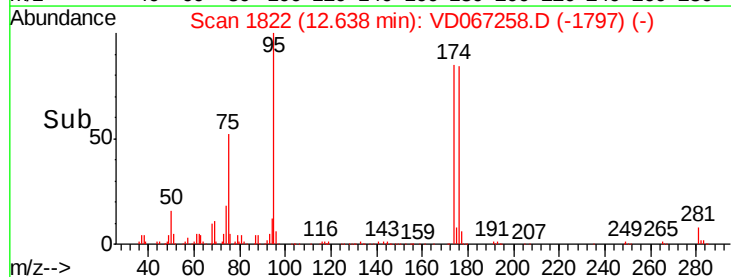
75 100

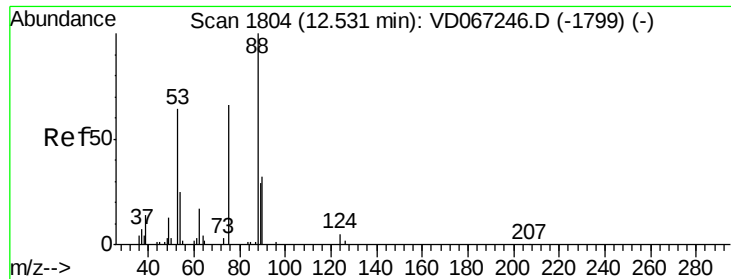
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 153.029 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067258.D

Acq: 13 Oct 2020 17:58

Instrument :

MSVOA_D

ClientSampleId :

BB-SOIL

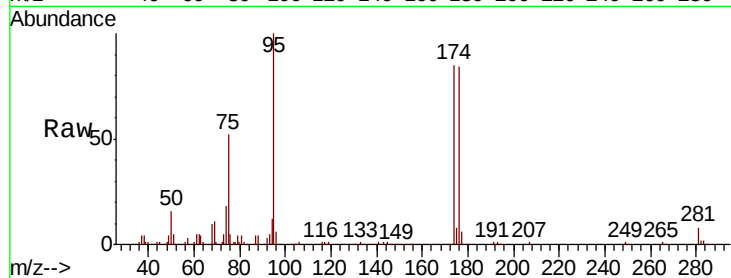
Tot Ion: 75 Resp: 105044

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

