

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067350.D
 Acq On : 21 Oct 2020 16:21
 Operator : VA/SY
 Sample : L4480-01
 Misc : 6.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IS-SOIL-PILE

Quant Time: Oct 22 00:21:07 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	7.98	168	323764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	530839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	526716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271181	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	165814	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.92	113	171243	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.34	98	630625	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.64	95	244037	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	

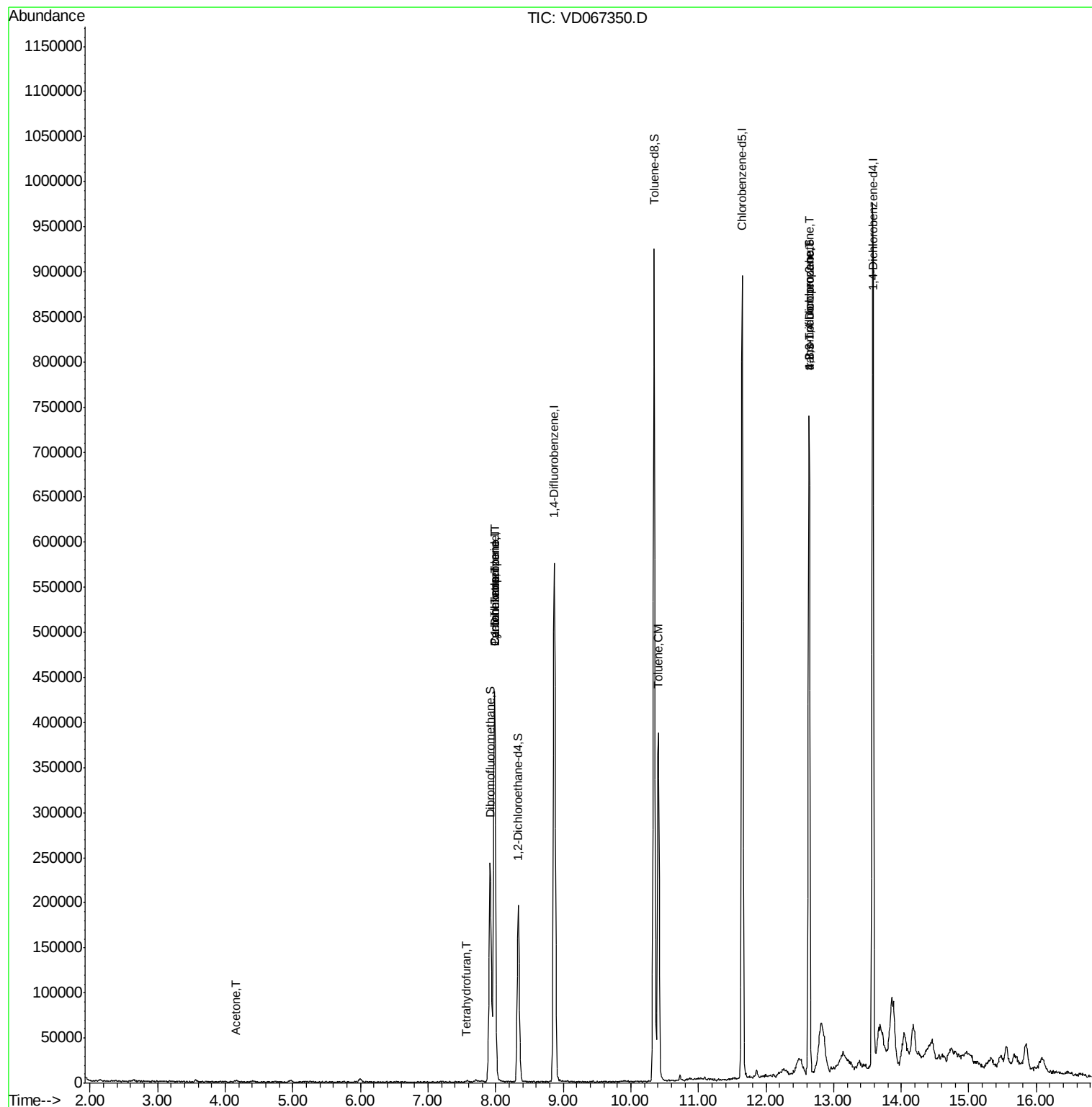
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	82	Below Cal	#	44
5) Bromomethane	2.77	94	58	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	165	Below Cal	#	81
16) Acetone	4.16	43	2821	6.210	ug/l	91
20) Methylene Chloride	4.95	84	585	Below Cal	#	35
29) Tetrahydrofuran	7.57	42	1270	4.412	ug/l	# 63
31) Cyclohexane	7.98	56	6692	1.791	ug/l	# 35
36) 1,1-Dichloropropene	7.98	75	23787	5.287	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	33649	5.852	ug/l	# 16
52) Toluene	10.41	92	175069	20.824	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	124128	66.042	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	124128	149.763	ug/l	# 10

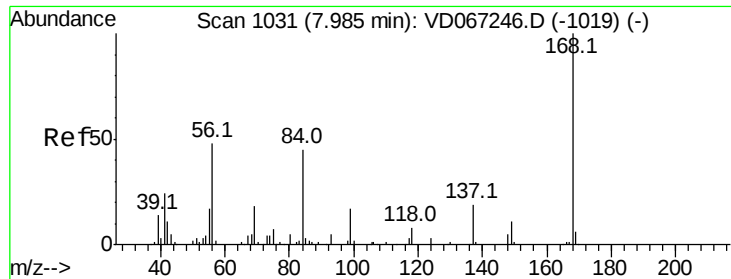
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067350.D
Acq On : 21 Oct 2020 16:21
Operator : VA/SY
Sample : L4480-01
Misc : 6.06G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
IS-SOIL-PILE

Quant Time: Oct 22 00:21:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

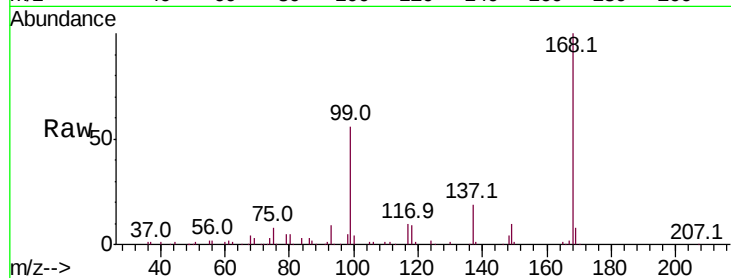
IS-SOIL-PILE

Tot Ion:168 Resp: 323764

Ion Ratio Lower Upper

168 100

99 56.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

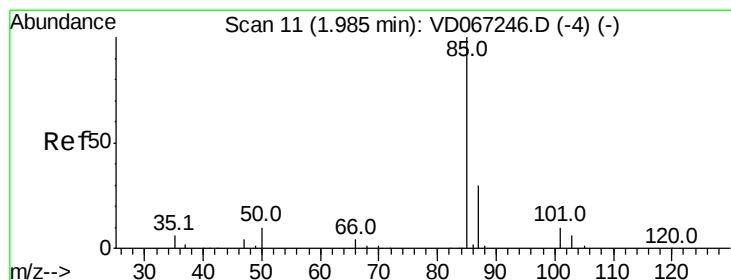
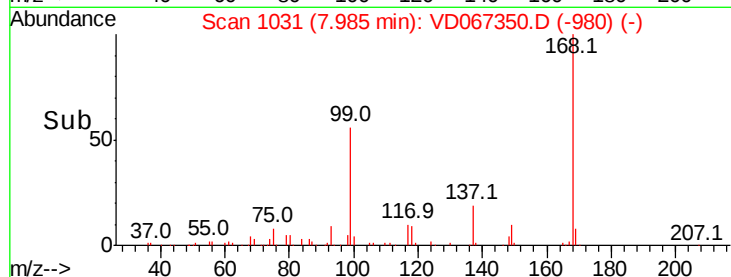
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067350.D

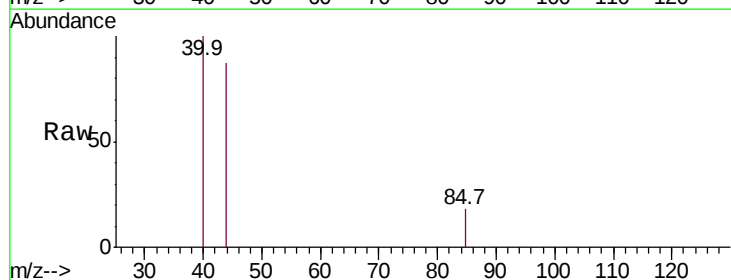
Acq: 21 Oct 2020 16:21

Tgt Ion: 85 Resp: 82

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

2.00

250

200

150

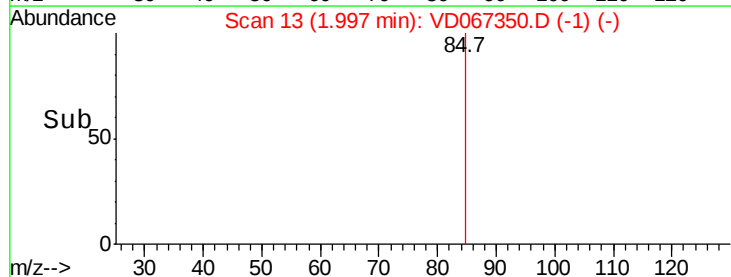
100

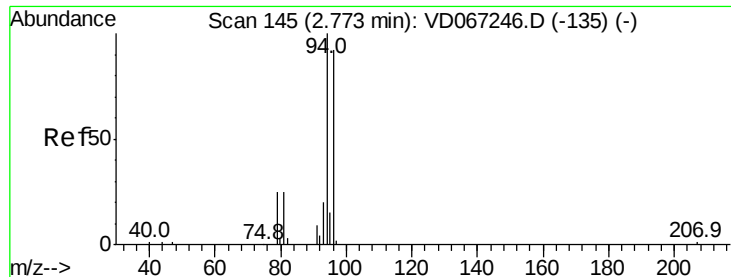
50

0

Time-->

1.98 1.99 2.00 2.01





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

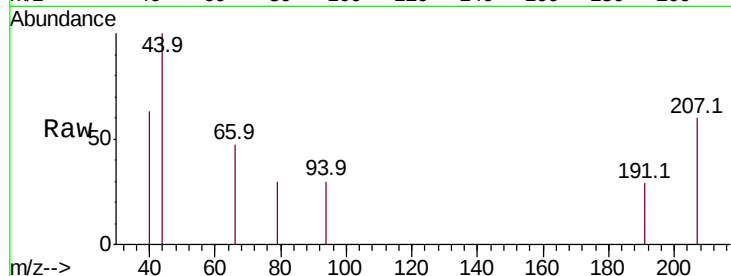
IS-SOIL-PILE

Tot Ion: 94 Resp: 58

Ion Ratio Lower Upper

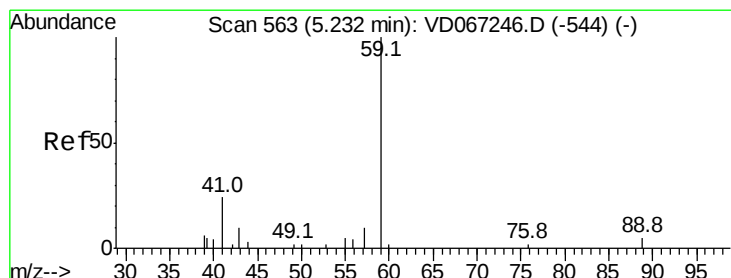
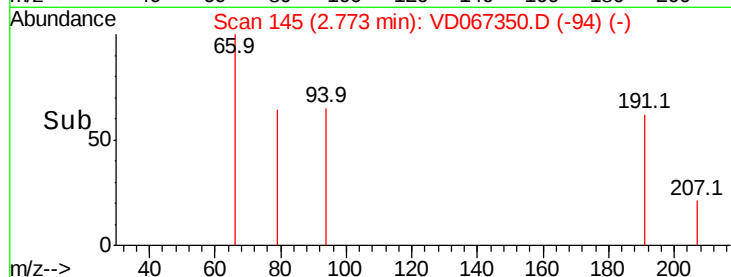
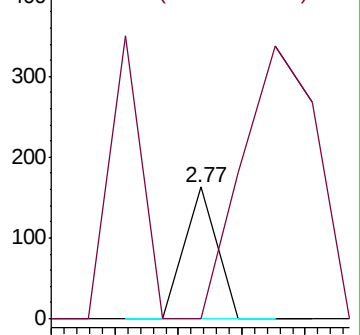
94 100

96 0.0 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: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067350.D

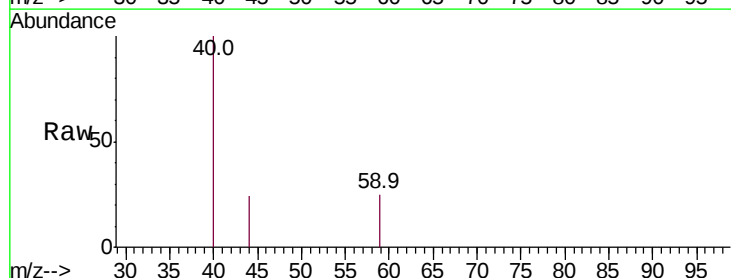
Acq: 21 Oct 2020 16:21

Tgt Ion: 59 Resp: 165

Ion Ratio Lower Upper

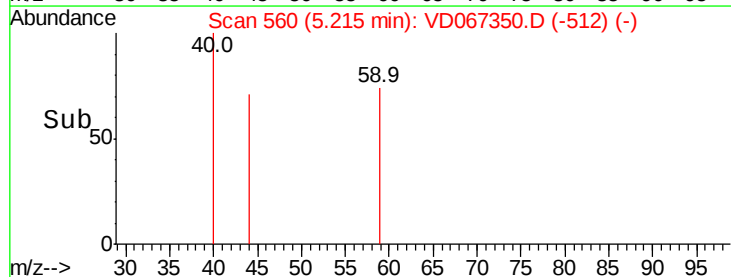
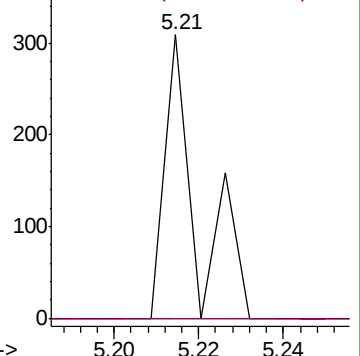
59 100

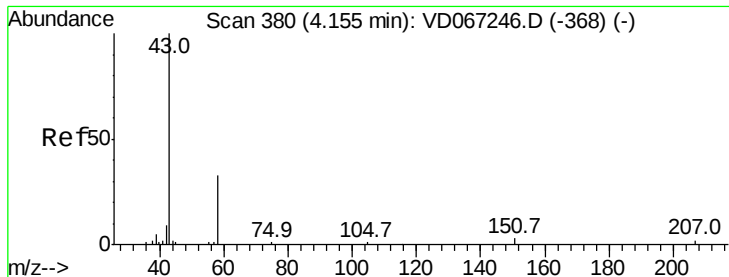
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 6.210 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

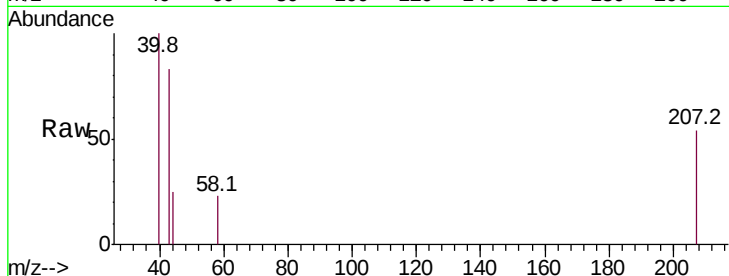
IS-SOIL-PILE

Tot Ion: 43 Resp: 2821

Ion Ratio Lower Upper

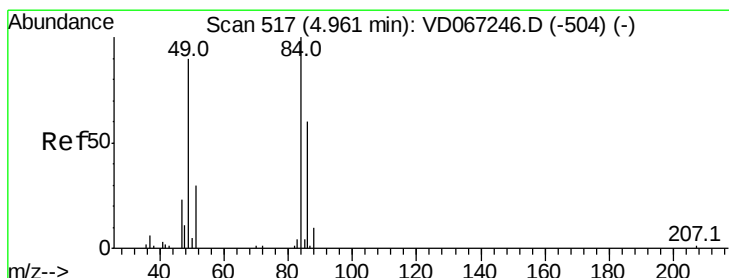
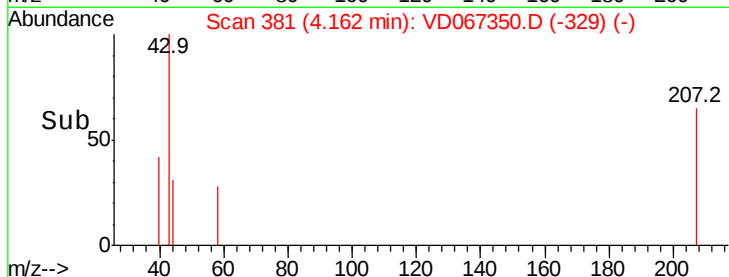
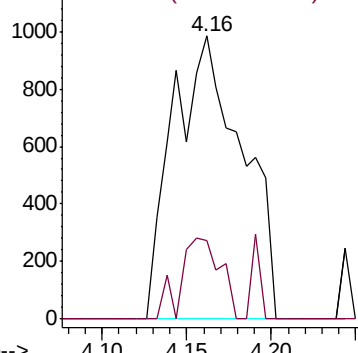
43 100

58 27.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Tgt Ion: 84 Resp: 585

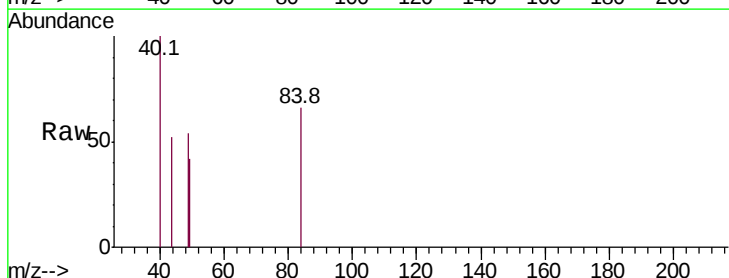
Ion Ratio Lower Upper

84 100

49 146.1 72.2 108.2#

51 0.0 23.8 35.8#

86 0.0 48.2 72.4#

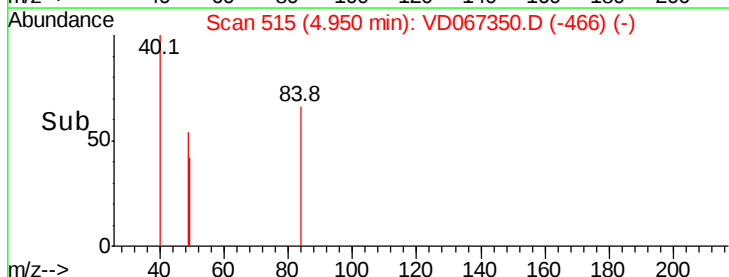
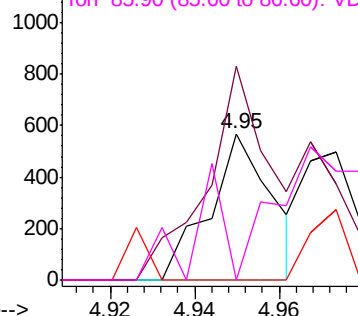


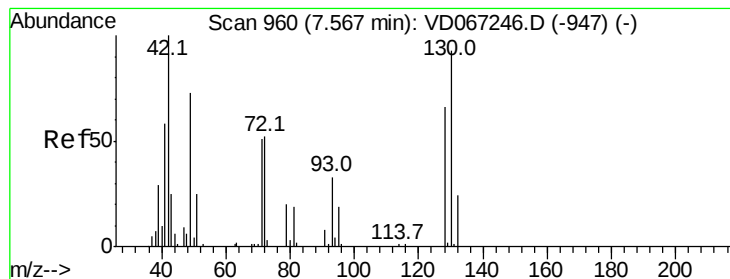
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#29

Tetrahydrofuran

Concen: 4.412 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

IS-SOIL-PILE

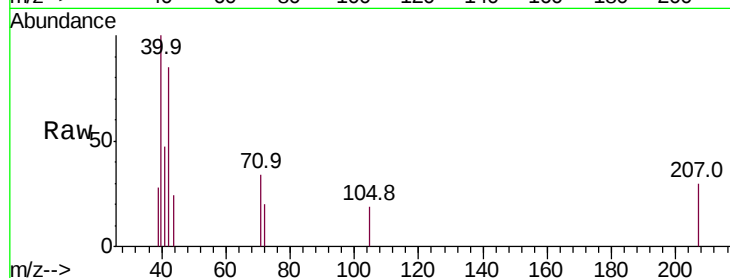
Tot Ion: 42 Resp: 1270

Ion Ratio Lower Upper

42 100

72 28.0 43.2 64.8#

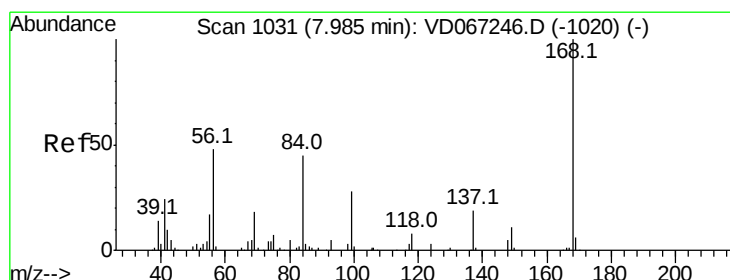
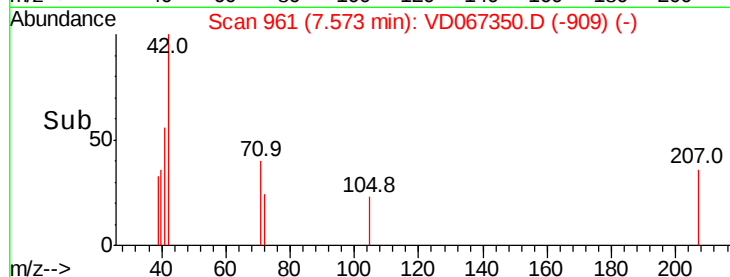
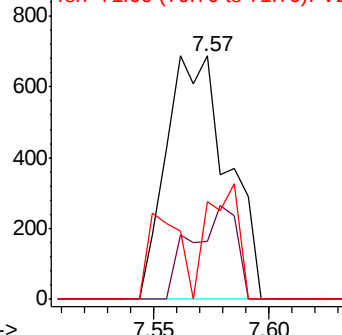
71 23.7 39.4 59.0#



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



#31

Cyclohexane

Concen: 1.791 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

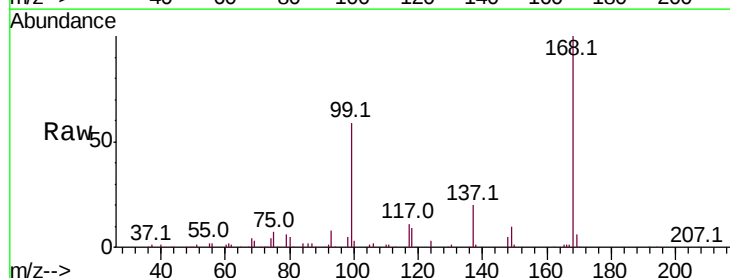
Tgt Ion: 56 Resp: 6692

Ion Ratio Lower Upper

56 100

69 153.4 29.8 44.6#

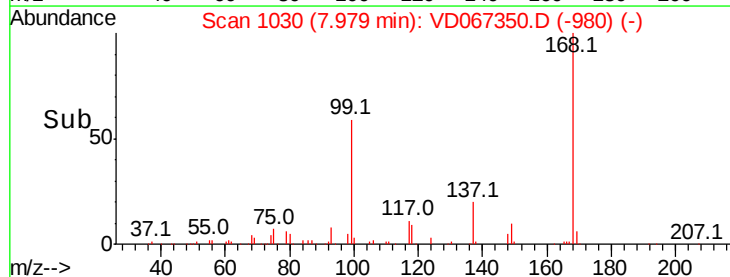
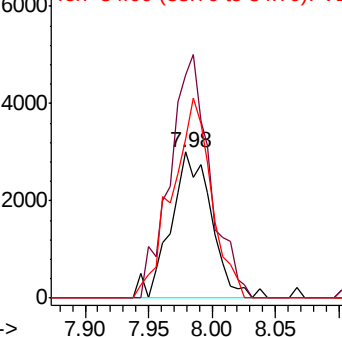
84 109.5 76.6 114.8

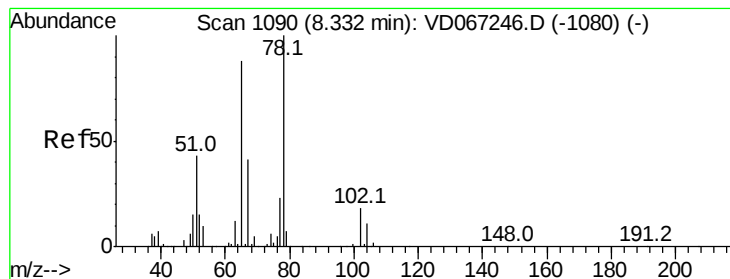


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.120 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

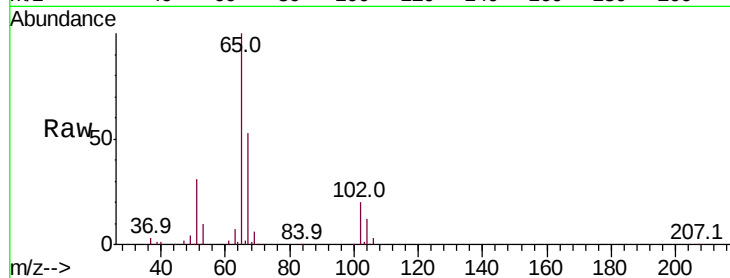
IS-SOIL-PILE

Tot Ion: 65 Resp: 165814

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

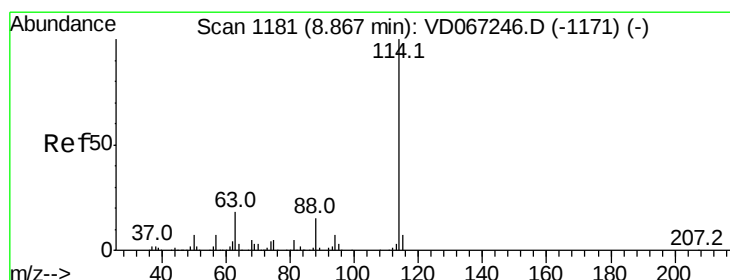
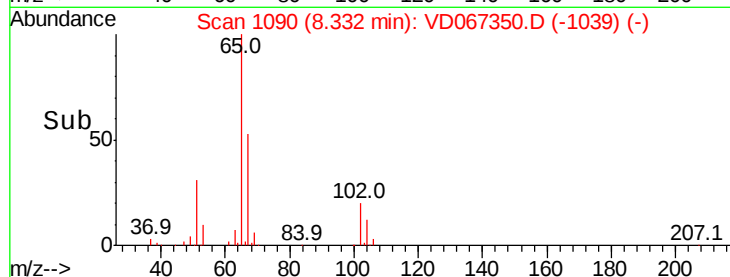
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

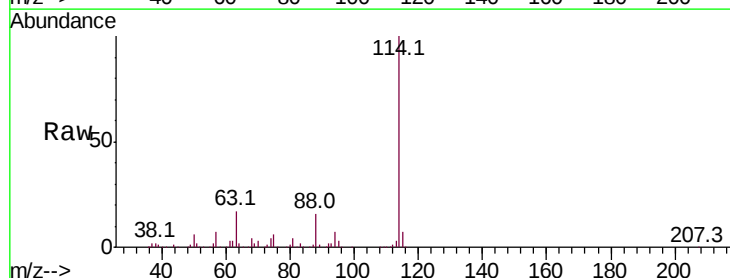
Tgt Ion: 114 Resp: 530839

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 15.8 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

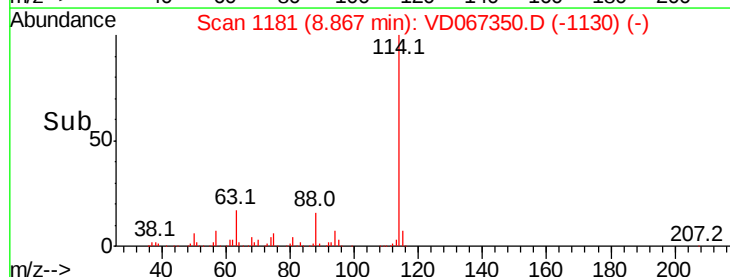
300000

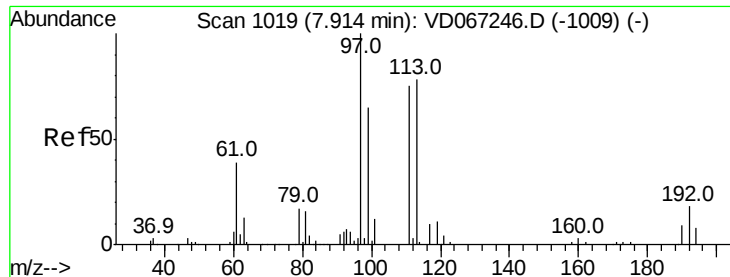
200000

100000

0

Time--> 8.80 8.90 9.00

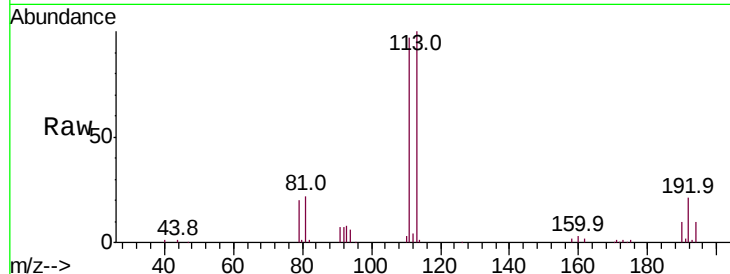




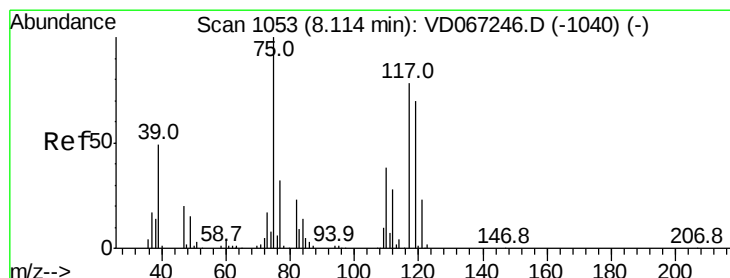
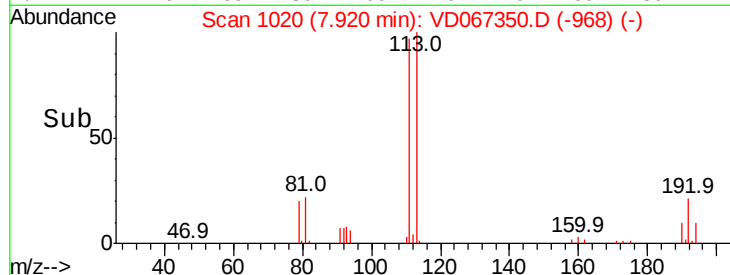
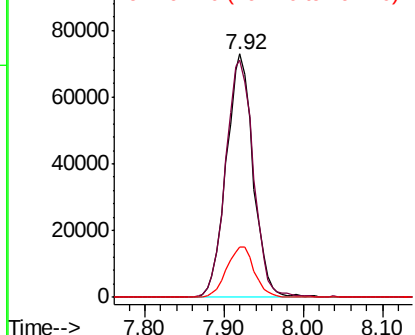
#35
Dibromofluoromethane
Concen: 48.473 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067350.D
Acq: 21 Oct 2020 16:21

Instrument :
MSVOA_D
ClientSampleId :
IS-SOIL-PILE

Tot Ion:113 Resp: 171243
Ion Ratio Lower Upper
113 100
111 100.7 81.6 122.4
192 21.2 17.0 25.4

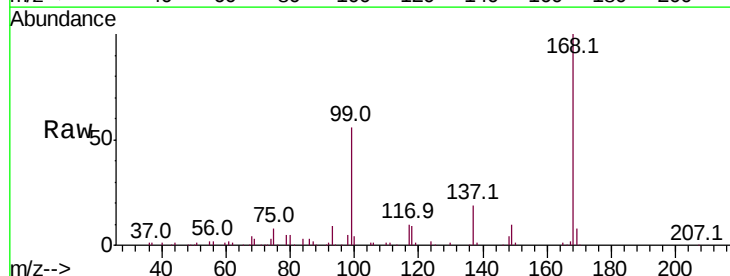


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

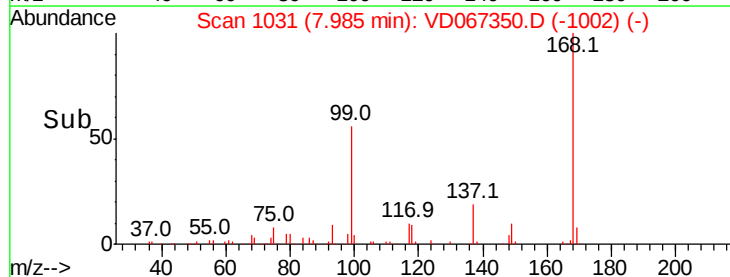
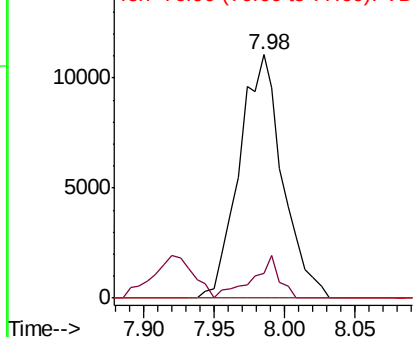


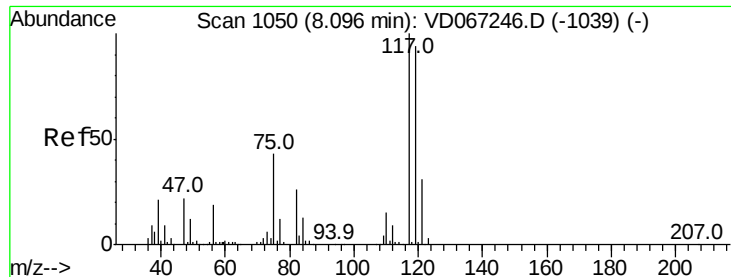
#36
1,1-Dichloropropene
Concen: 5.287 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067350.D
Acq: 21 Oct 2020 16:21

Tgt Ion: 75 Resp: 23787
Ion Ratio Lower Upper
75 100
110 10.9 19.6 58.7#
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.852 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

IS-SOIL-PILE

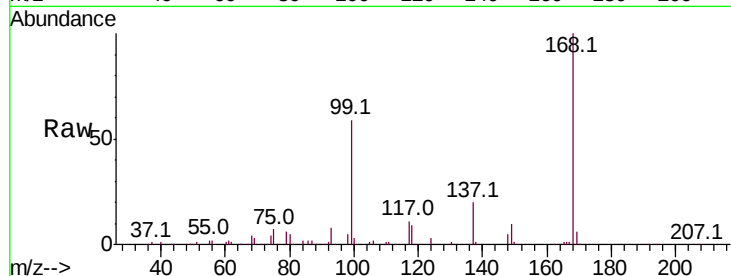
Tot Ion:117 Resp: 33649

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.4#

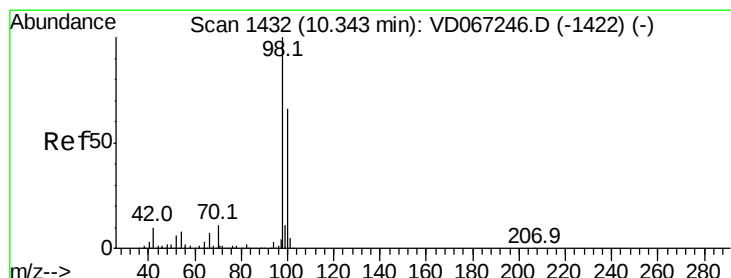
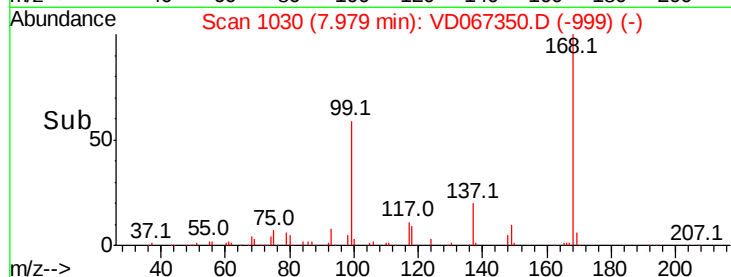
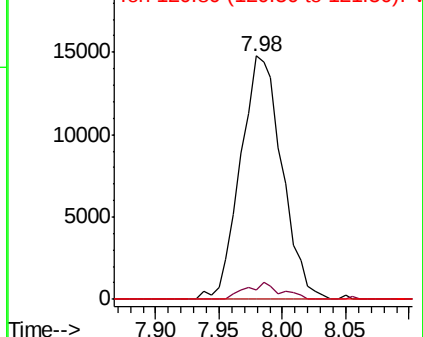
121 0.0 24.9 37.3#



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: 49.327 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067350.D

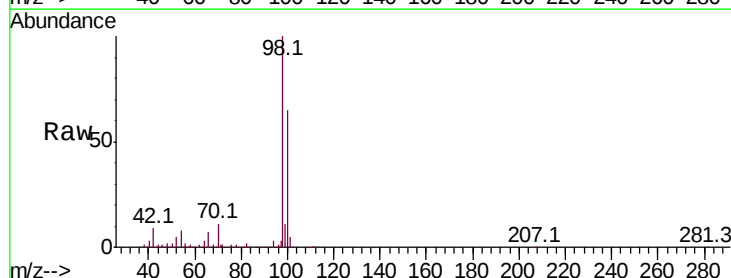
Acq: 21 Oct 2020 16:21

Tgt Ion: 98 Resp: 630625

Ion Ratio Lower Upper

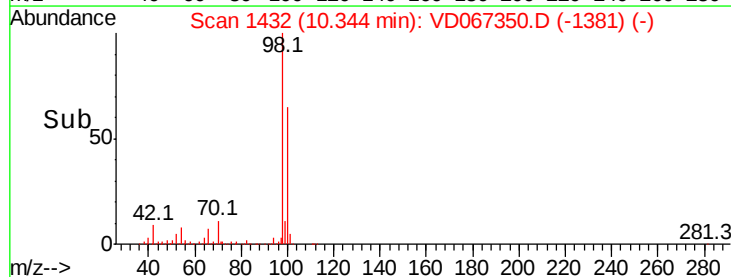
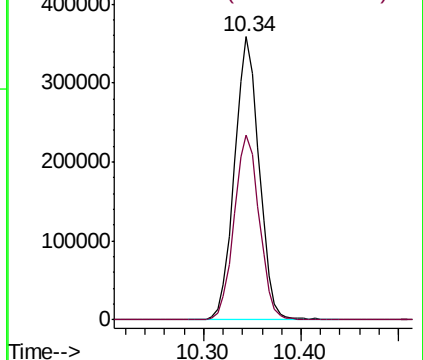
98 100

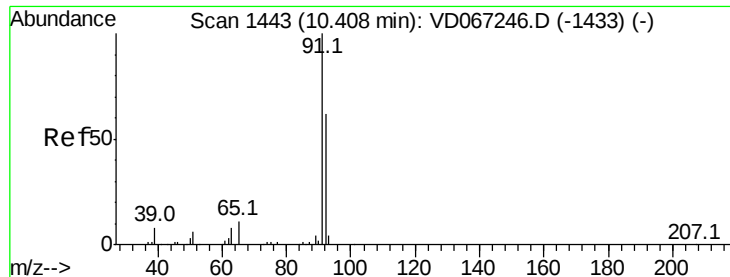
100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 20.824 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

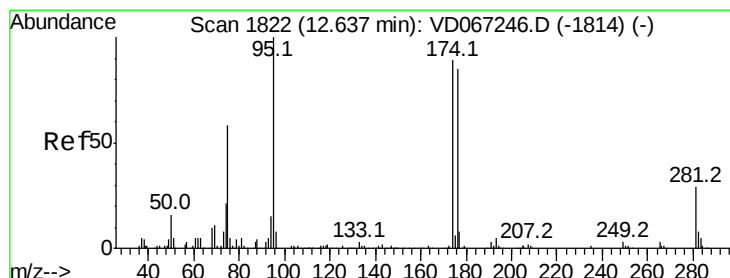
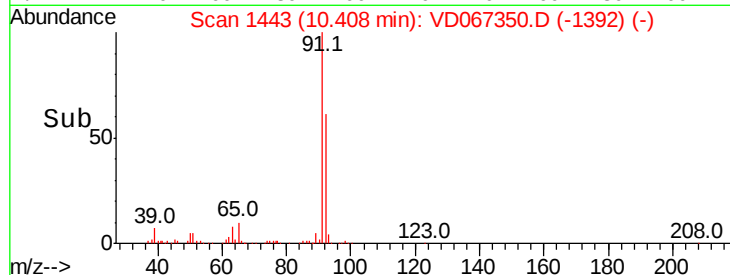
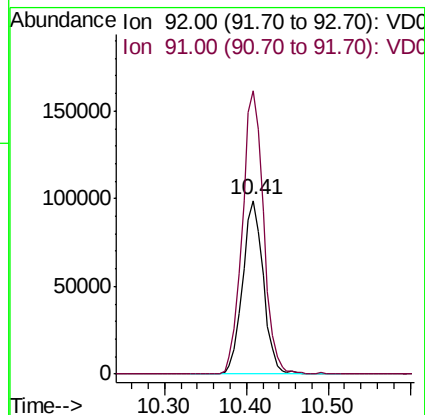
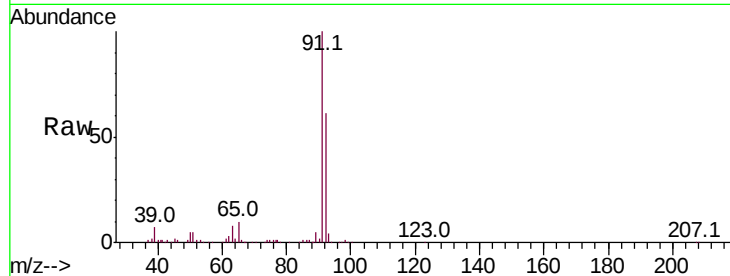
IS-SOIL-PILE

Tot Ion: 92 Resp: 175069

Ion Ratio Lower Upper

92 100

91 167.1 133.8 200.8



#62

4-Bromofluorobenzene

Concen: 54.895 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

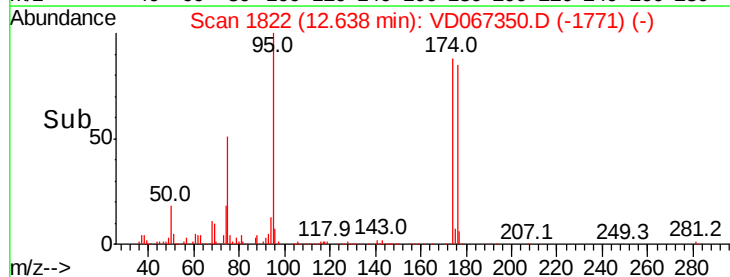
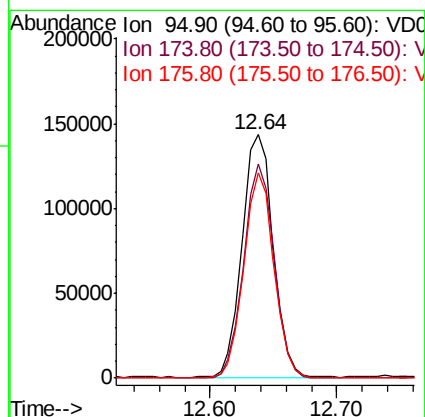
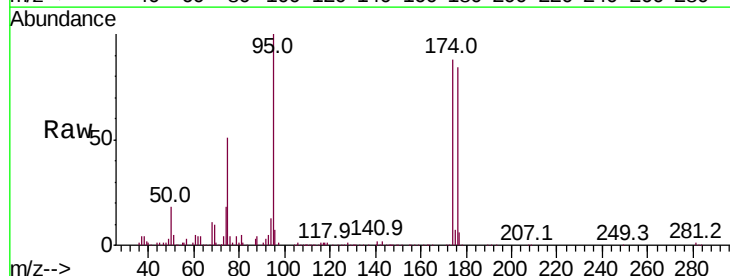
Tgt Ion: 95 Resp: 244037

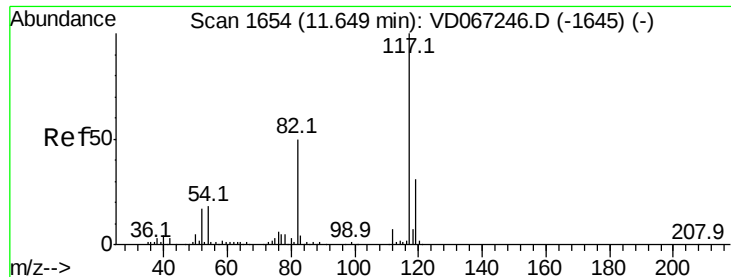
Ion Ratio Lower Upper

95 100

174 86.1 0.0 175.2

176 81.8 0.0 168.6

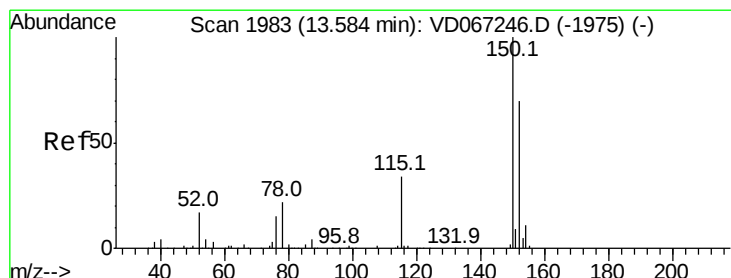
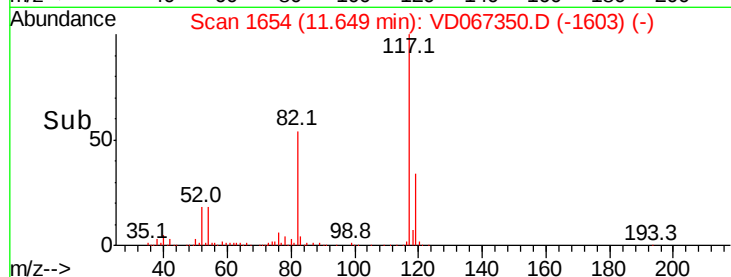
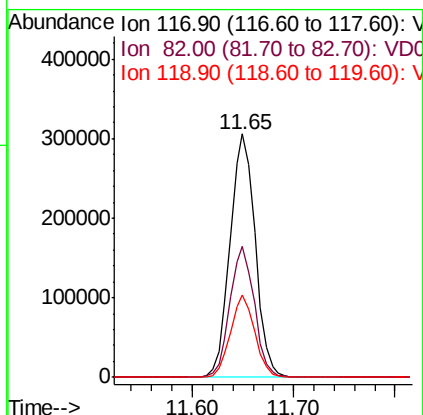
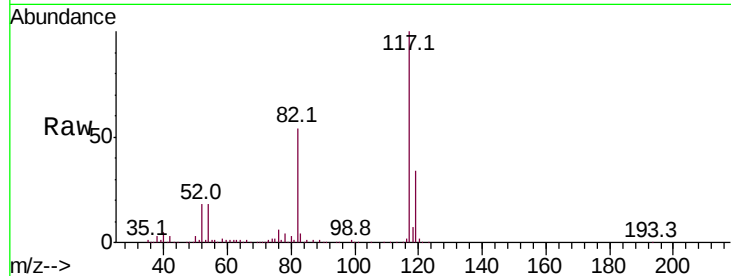




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067350.D
Acq: 21 Oct 2020 16:21

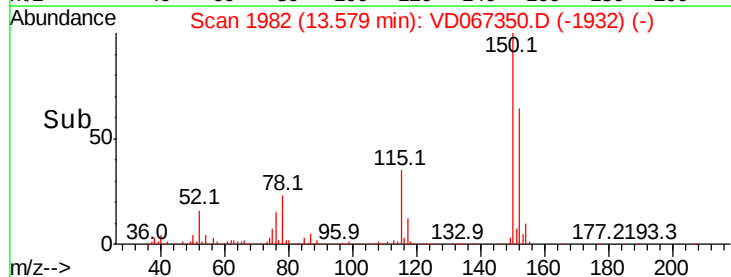
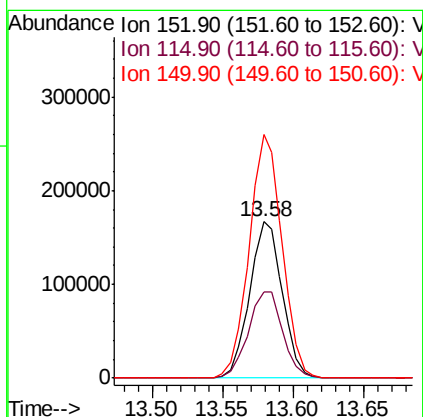
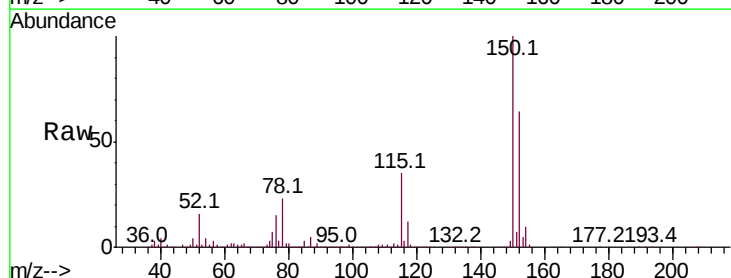
Instrument :
MSVOA_D
ClientSampleId :
IS-SOIL-PILE

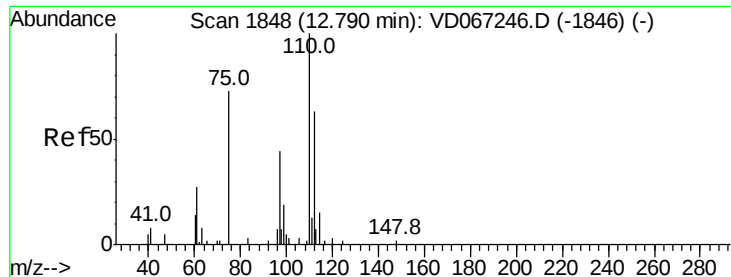
Tot Ion:117 Resp: 526716
Ion Ratio Lower Upper
117 100
82 53.8 39.9 59.9
119 33.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067350.D
Acq: 21 Oct 2020 16:21

Tgt Ion:152 Resp: 271181
Ion Ratio Lower Upper
152 100
115 58.3 29.3 87.9
150 156.4 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 66.042 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

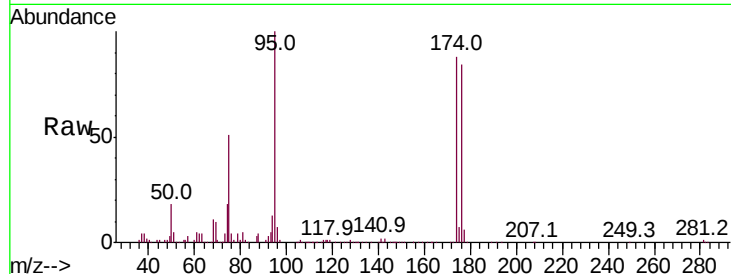
IS-SOIL-PILE

Tot Ion: 75 Resp: 124128

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

80000

60000

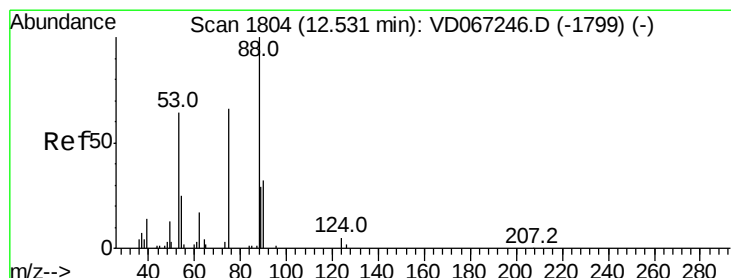
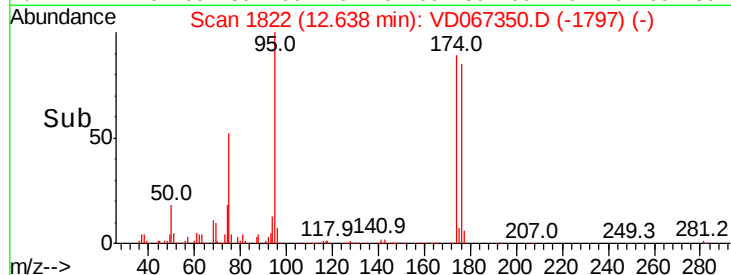
40000

20000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 149.763 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067350.D

Acq: 21 Oct 2020 16:21

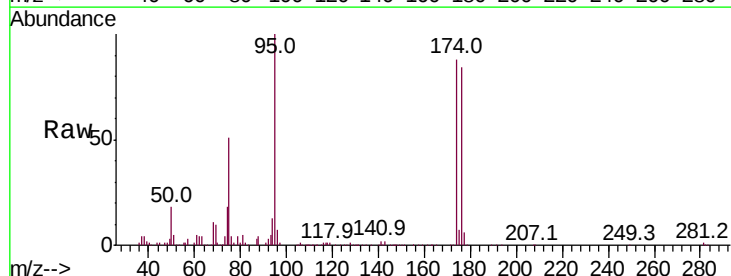
Tgt Ion: 75 Resp: 124128

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 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

100000

80000

60000

40000

20000

0

12.55 12.60 12.65 12.70

Time-->

