

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 06:09:13 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	167165	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	7.92	113	173896	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	10.34	98	623260	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.64	95	219662	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

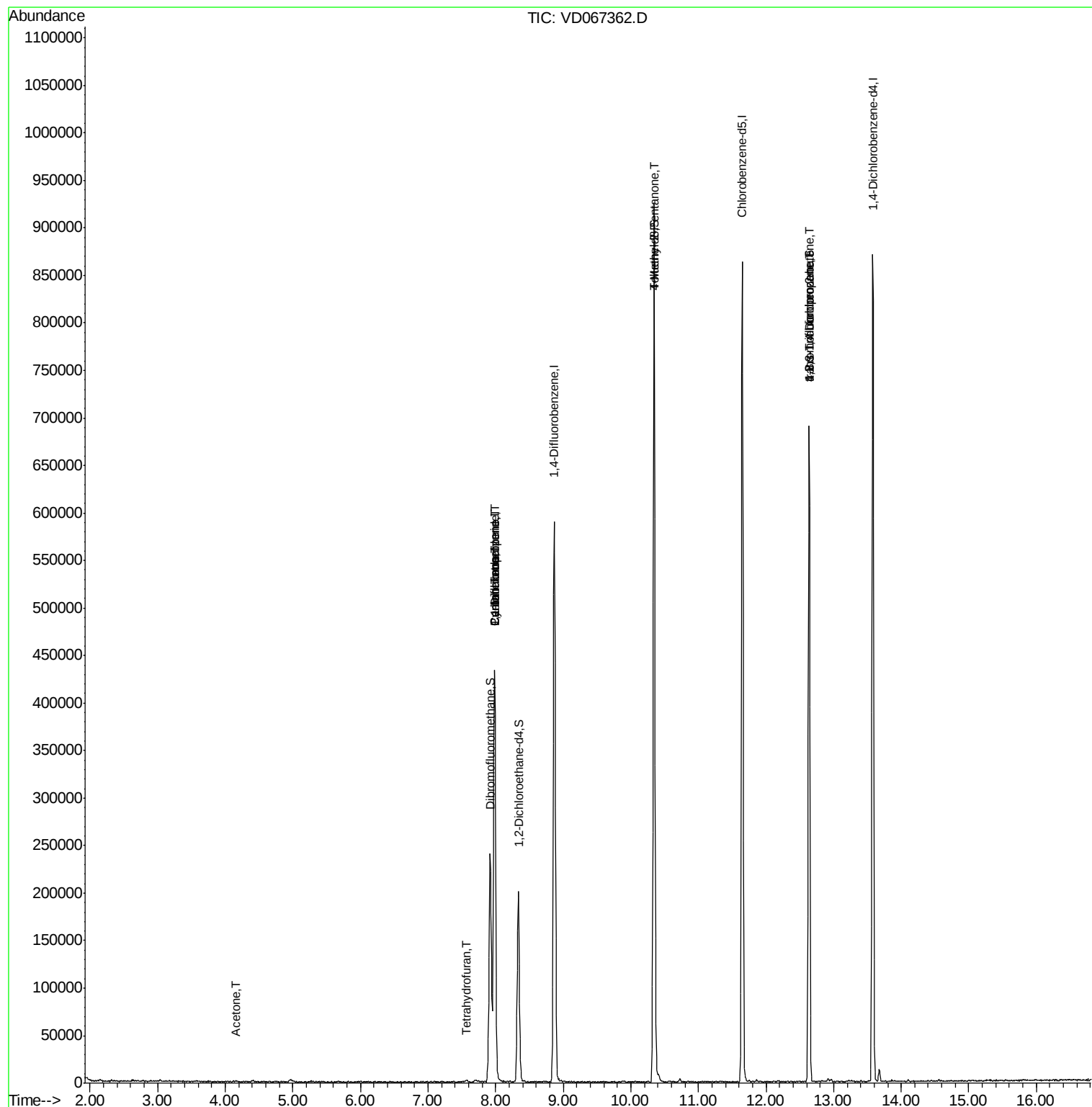
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	196	Below Cal	#	44
5) Bromomethane	2.77	94	73	Below Cal	#	3
16) Acetone	4.16	43	1368	2.966	ug/l #	42
20) Methylene Chloride	4.97	84	2103	Below Cal		88
29) Tetrahydrofuran	7.56	42	1347	4.609	ug/l	95
31) Cyclohexane	7.99	56	6180	1.629	ug/l #	18
36) 1,1-Dichloropropene	7.99	75	23228	5.149	ug/l #	51
38) Carbon Tetrachloride	7.99	117	33102	5.741	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2451	1.866	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	111534	65.435	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111534	148.387	ug/l #	10

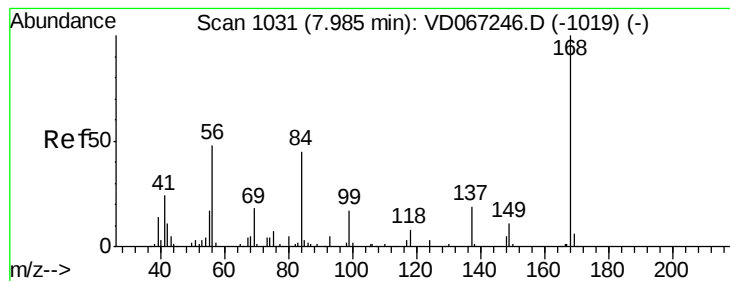
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
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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

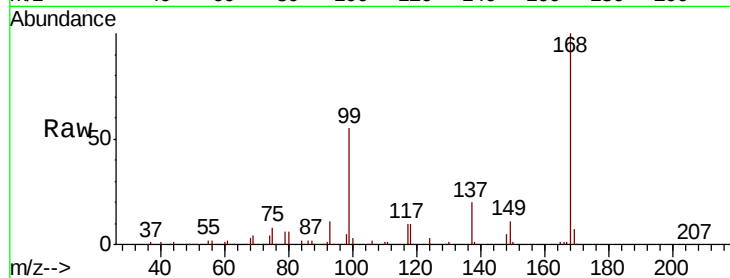
Instrument :
MSVOA_D
ClientSampleId :
IS-SOIL-PILE

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

150000

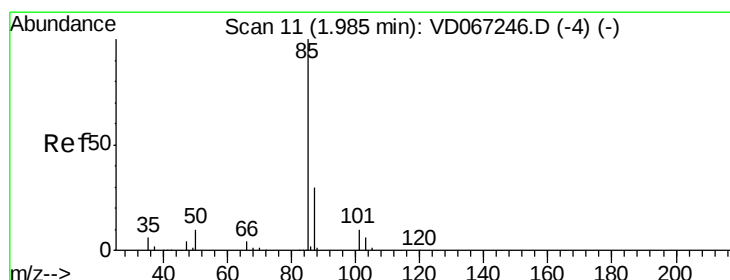
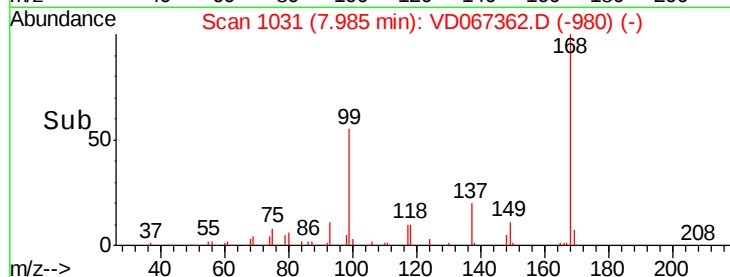
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067362.D

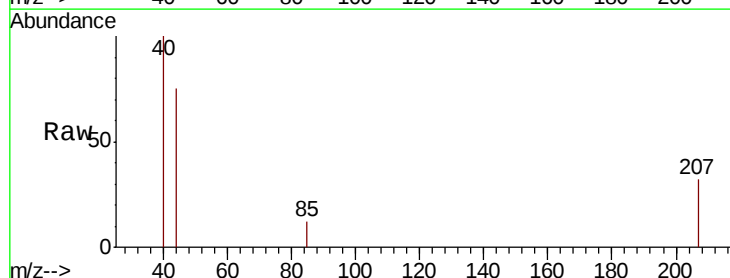
Acq: 22 Oct 2020 15:11

Tgt Ion: 85 Resp: 196

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

250

200

150

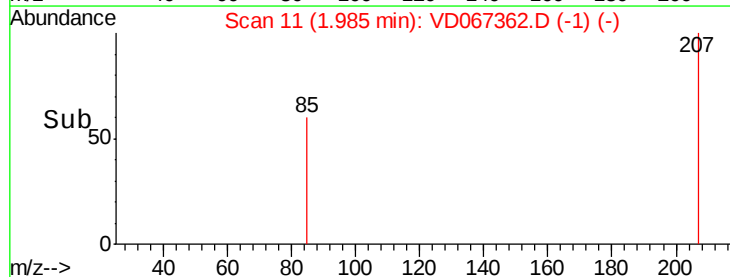
100

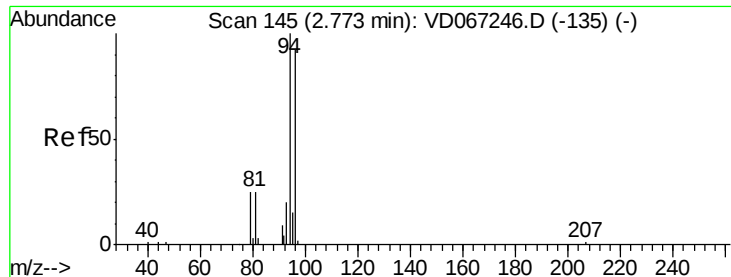
50

0

1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

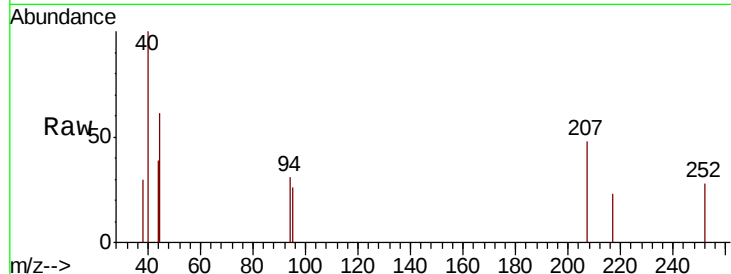
IS-SOIL-PILE

Tot Ion: 94 Resp: 73

Ion Ratio Lower Upper

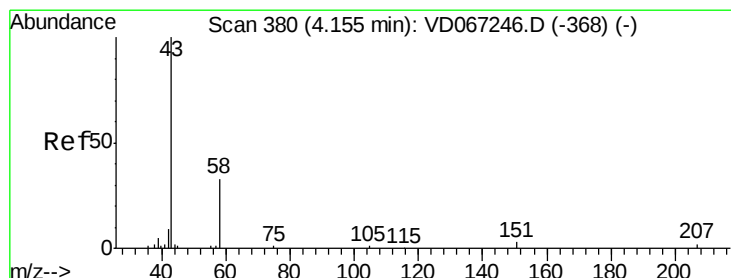
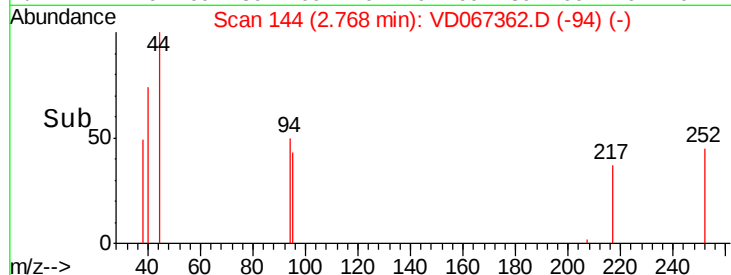
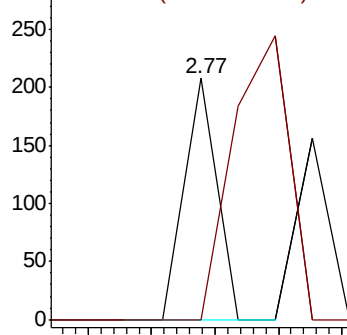
94 100

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



#16

Acetone

Concen: 2.966 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067362.D

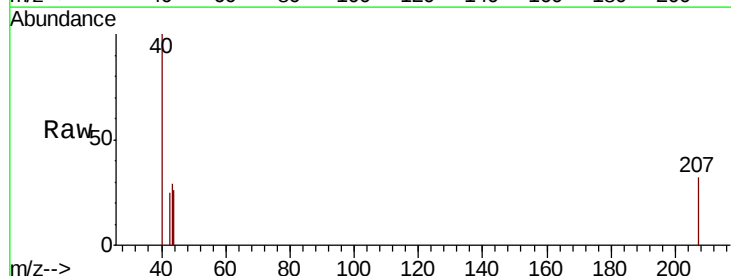
Acq: 22 Oct 2020 15:11

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

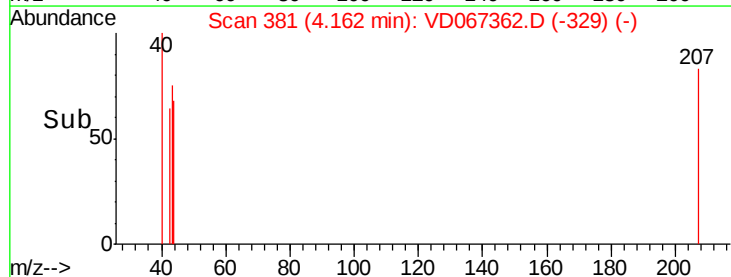
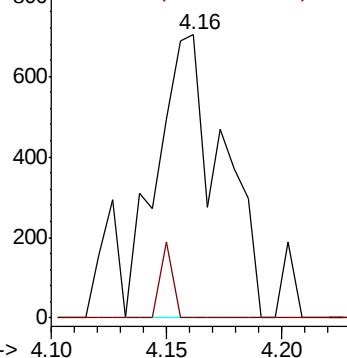
43 100

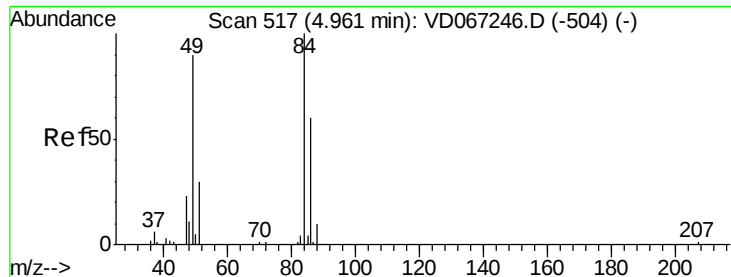
58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

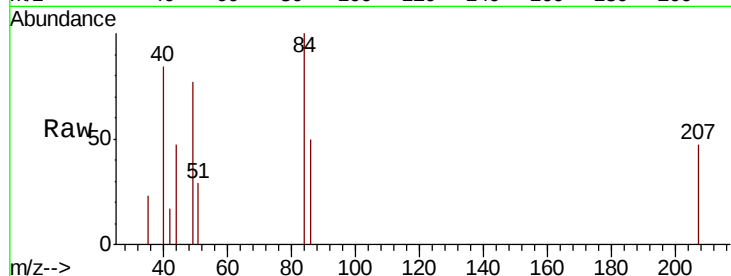




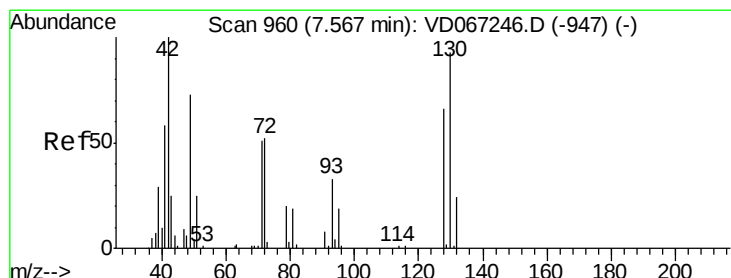
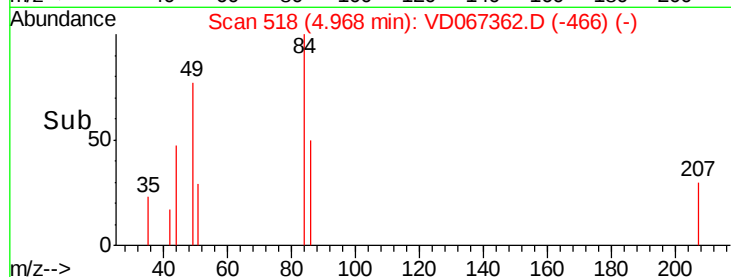
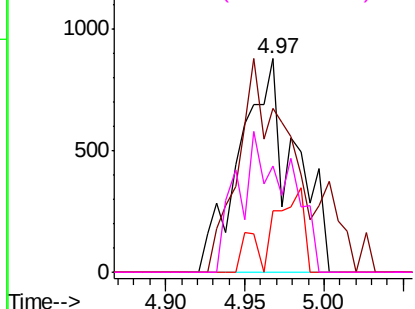
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067362.D
Acq: 22 Oct 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
IS-SOIL-PILE

Tot Ion:	84	Resp:	2103
Ion	Ratio	Lower	Upper
84	100		
49	76.6	72.2	108.2
51	28.9	23.8	35.8
86	49.8	48.2	72.4

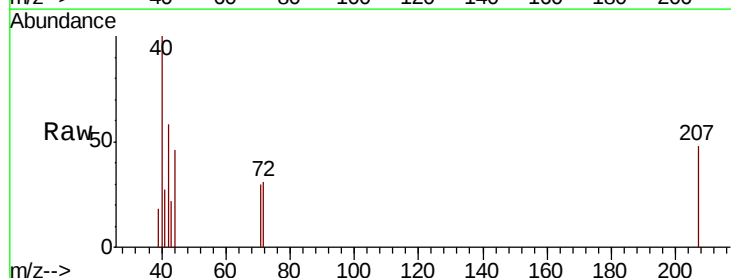


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

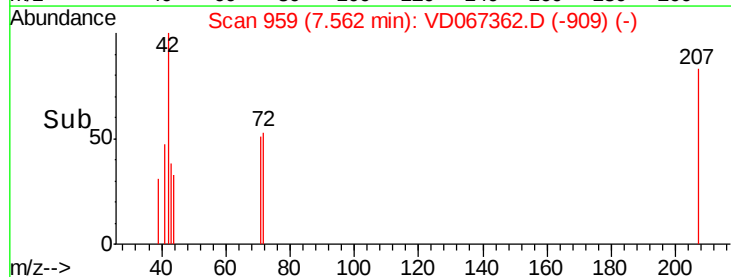
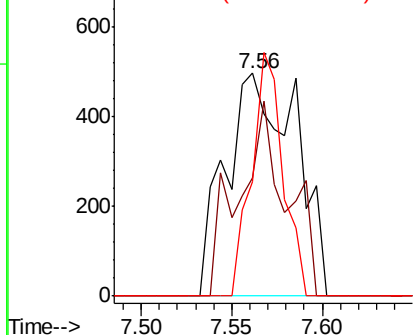


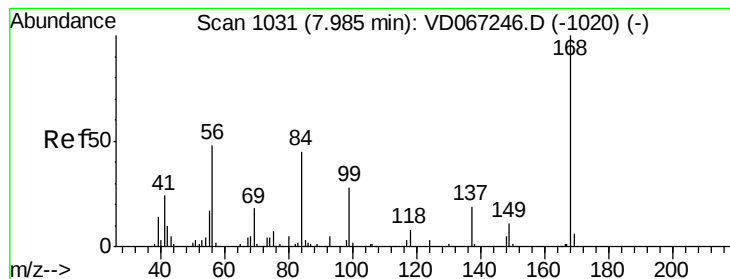
#29
Tetrahydrofuran
Concen: 4.609 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067362.D
Acq: 22 Oct 2020 15:11

Tgt Ion:	42	Resp:	1347
Ion	Ratio	Lower	Upper
42	100		
72	59.8	43.2	64.8
71	48.3	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: 1.629 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

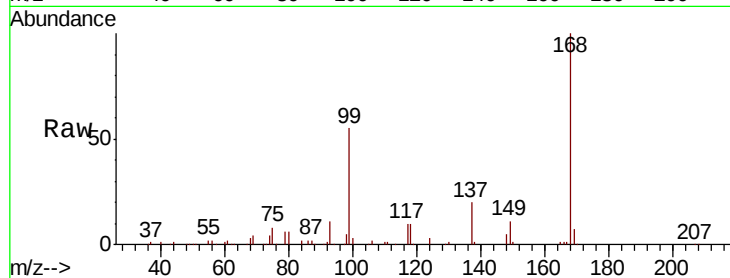
Tot Ion: 56 Resp: 6180

Ion Ratio Lower Upper

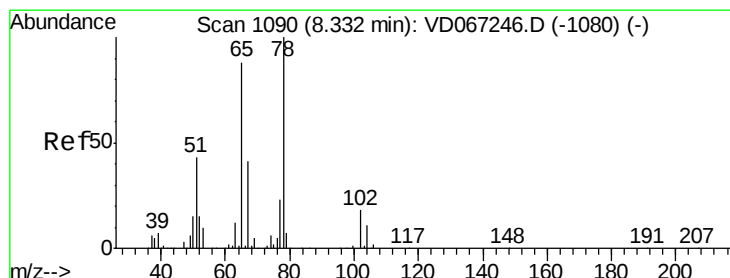
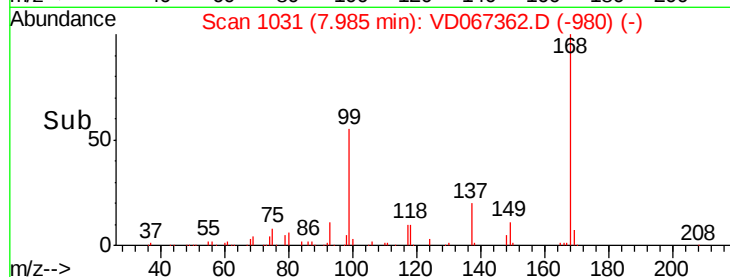
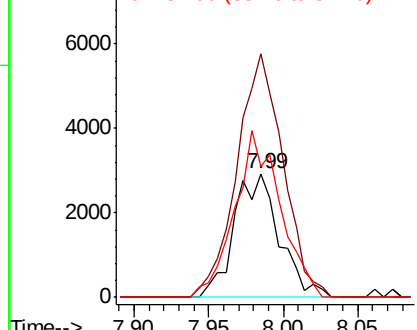
56 100

69 196.7 29.8 44.6#

84 106.1 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: 50.757 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067362.D

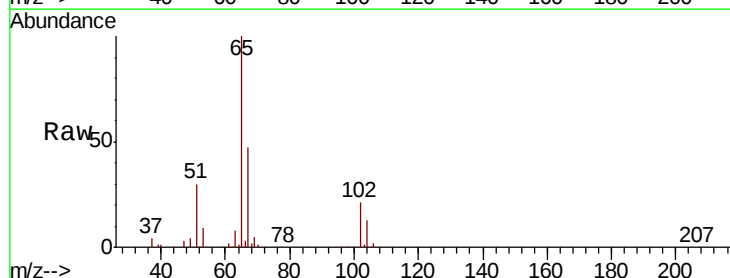
Acq: 22 Oct 2020 15:11

Tgt Ion: 65 Resp: 167165

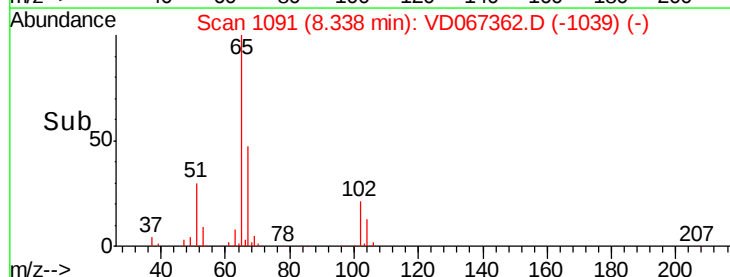
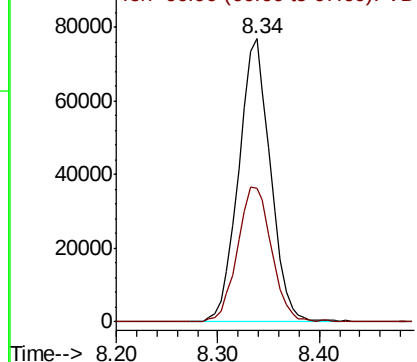
Ion Ratio Lower Upper

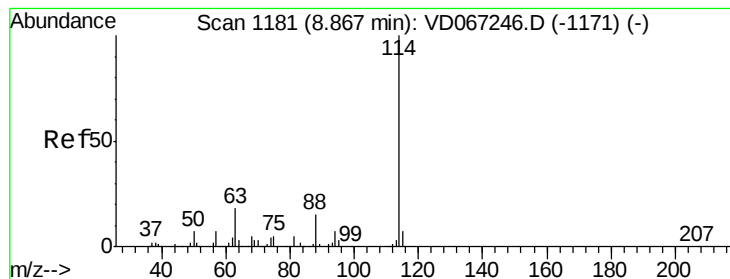
65 100

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





#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

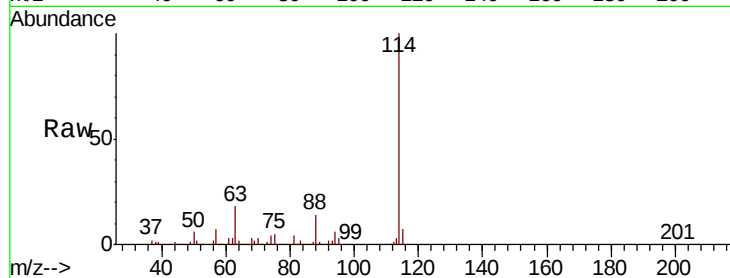
Tot Ion:114 Resp: 532249

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

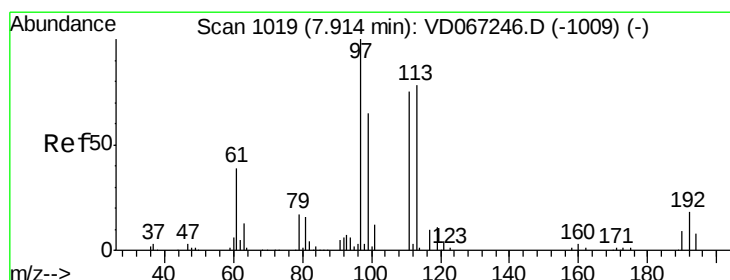
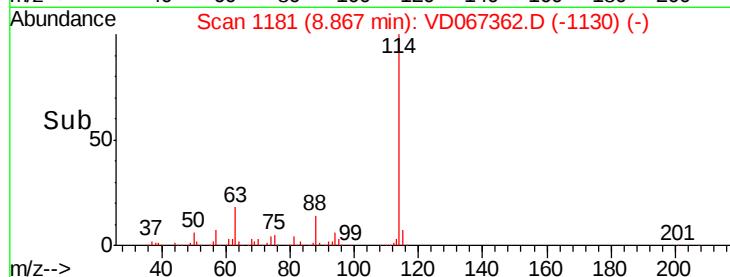
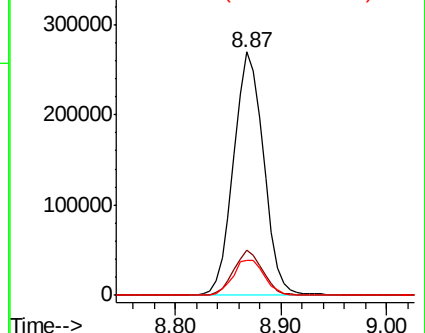
88 14.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#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

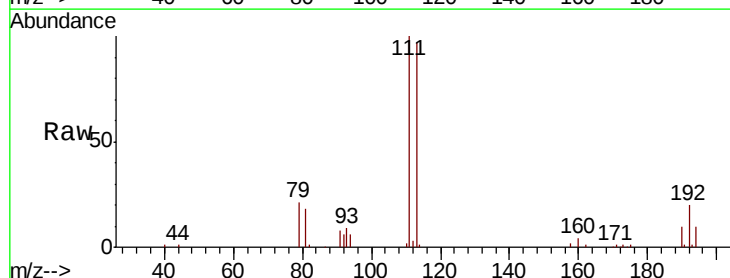
Tgt Ion:113 Resp: 173896

Ion Ratio Lower Upper

113 100

111 100.7 81.6 122.4

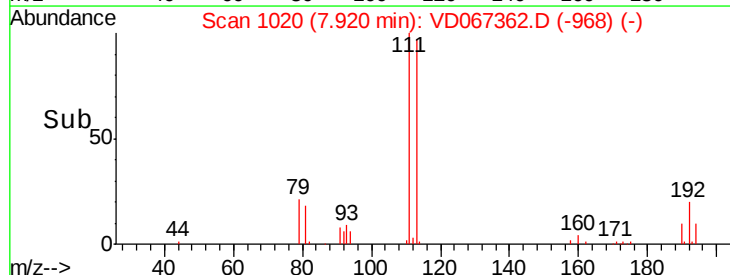
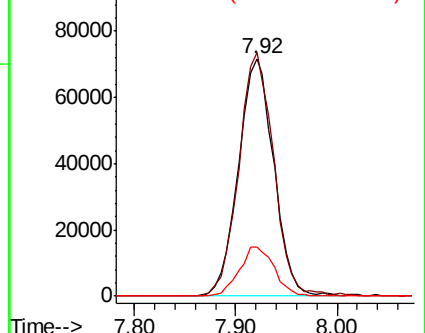
192 20.4 17.0 25.4

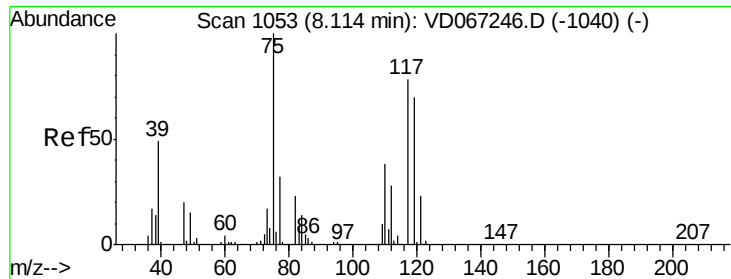


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

IS-SOIL-PILE

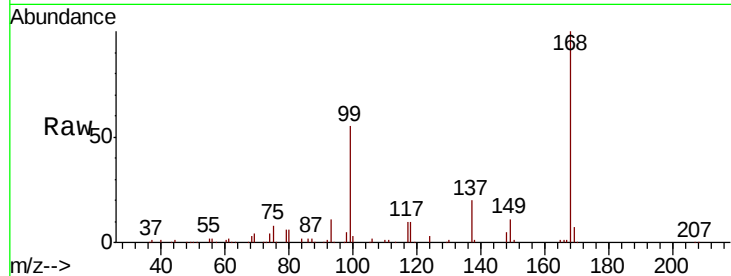
Tot Ion: 75 Resp: 23228

Ion Ratio Lower Upper

75 100

110 12.4 19.6 58.7#

77 0.0 24.6 37.0#

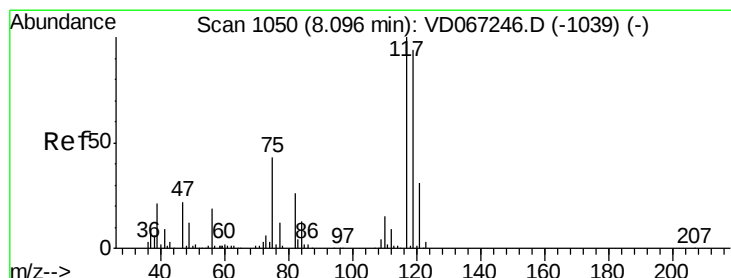
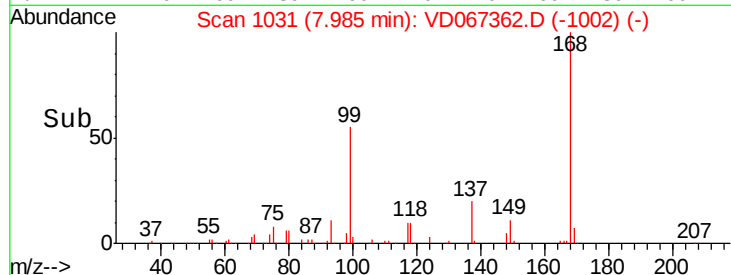


Abundance Ion 74.90 (74.60 to 75.60): VD067362.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD067362.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD067362.D (-1002) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

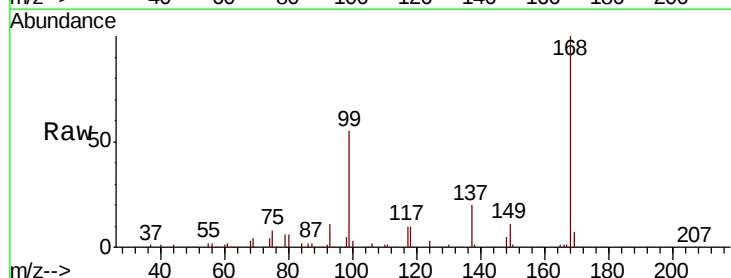
Tgt Ion: 117 Resp: 33102

Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.4#

121 0.0 24.9 37.3#

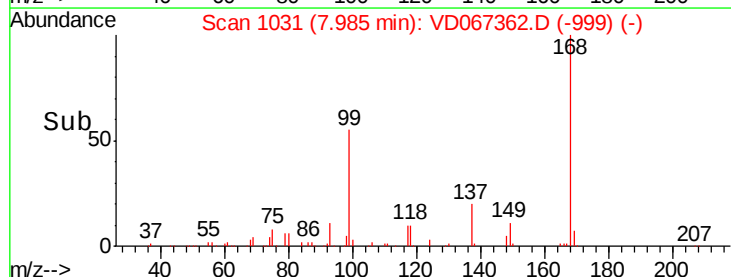


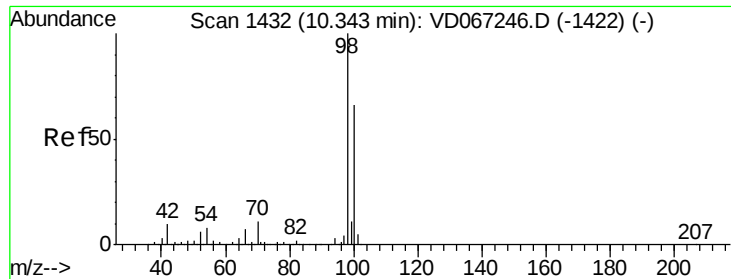
Abundance Ion 116.80 (116.50 to 117.50): VD067362.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD067362.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD067362.D (-999) (-)

Time-->

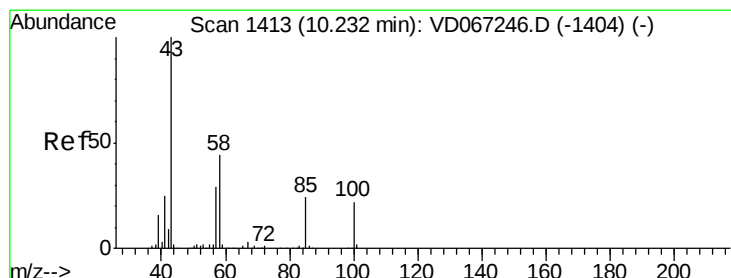
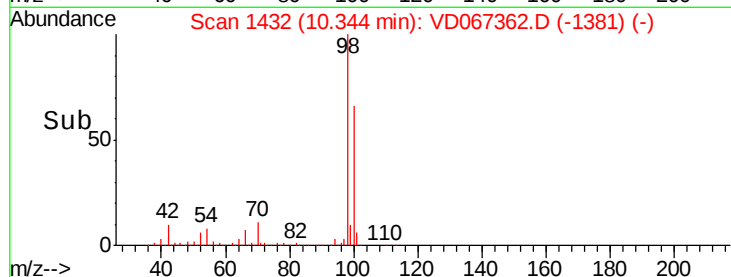
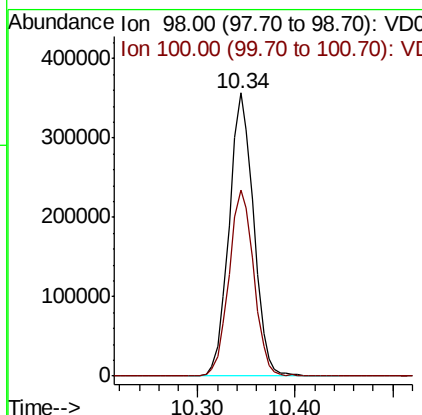
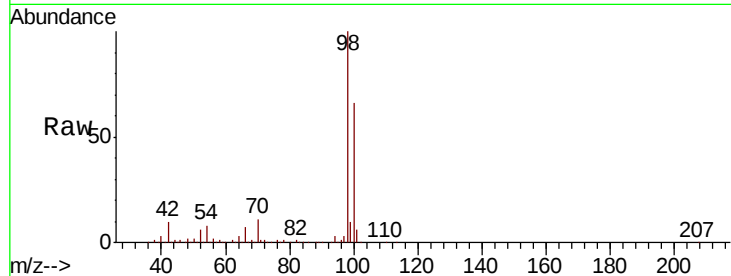




#50
Toluene-d8
Concen: 48.621 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067362.D
Acq: 22 Oct 2020 15:11

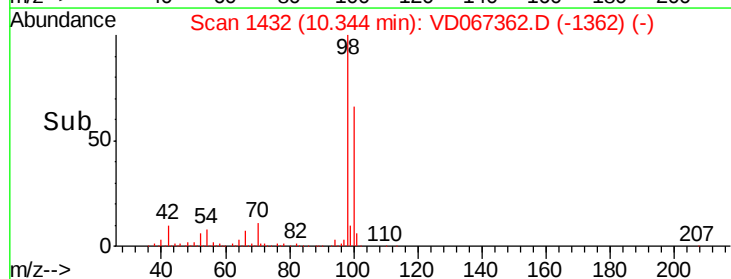
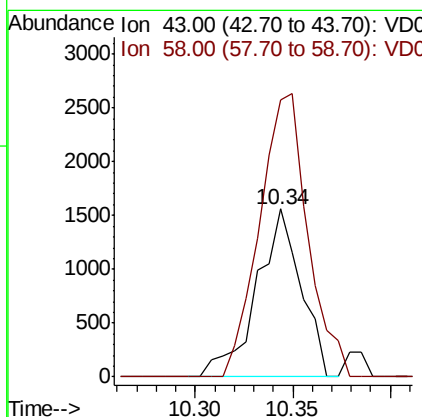
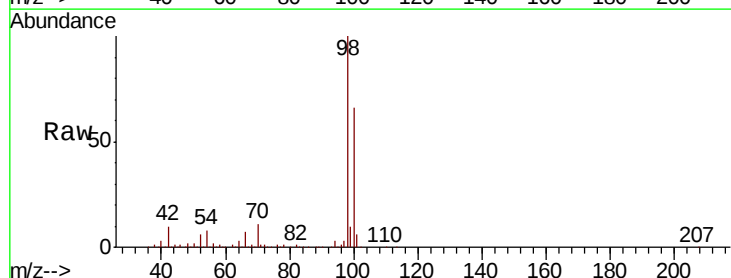
Instrument :
MSVOA_D
ClientSampleId :
IS-SOIL-PILE

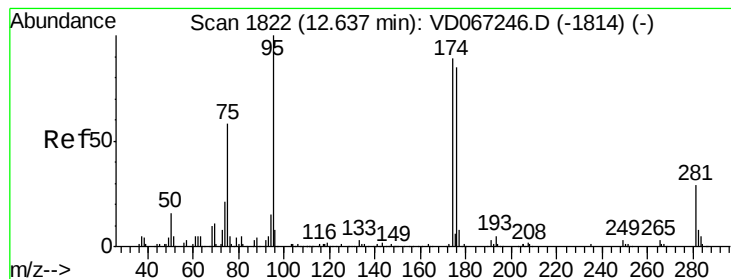
Tot Ion: 98 Resp: 623260
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.866 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067362.D
Acq: 22 Oct 2020 15:11

Tgt Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
58 184.3 35.7 53.5#





#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

Instrument :

MSVOA_D

ClientSampleId :

IS-SOIL-PILE

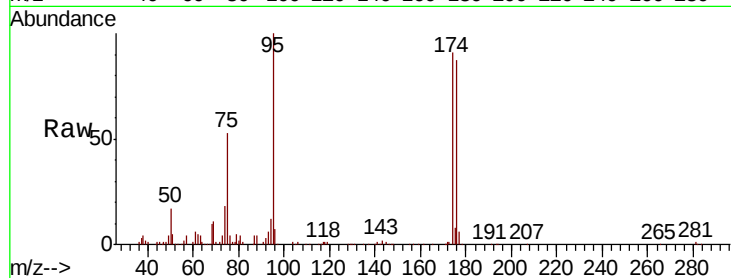
Tot Ion: 95 Resp: 219662

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

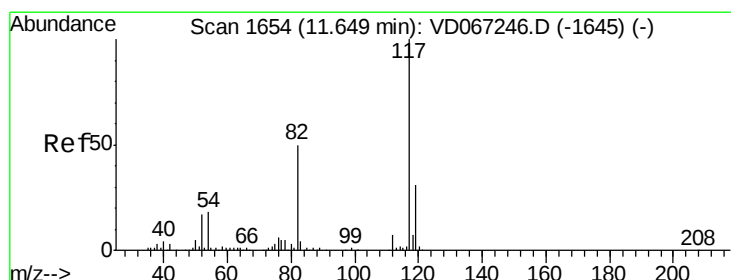
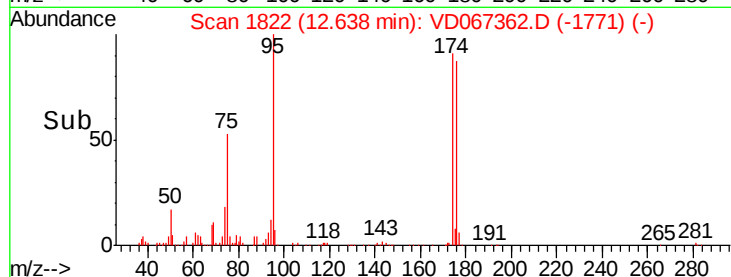
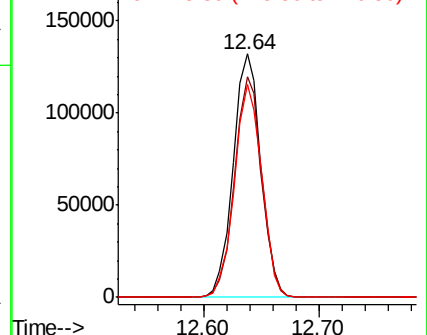
176 86.0 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): 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: VD067362.D

Acq: 22 Oct 2020 15:11

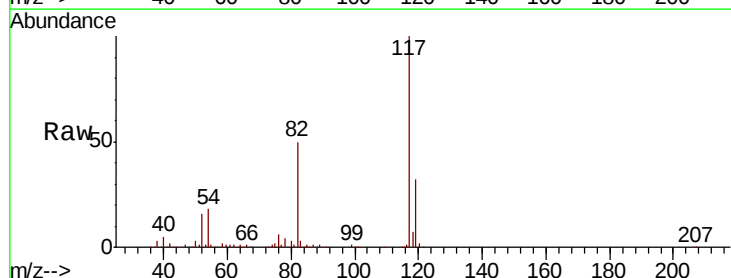
Tgt Ion: 117 Resp: 515275

Ion Ratio Lower Upper

117 100

82 49.9 39.9 59.9

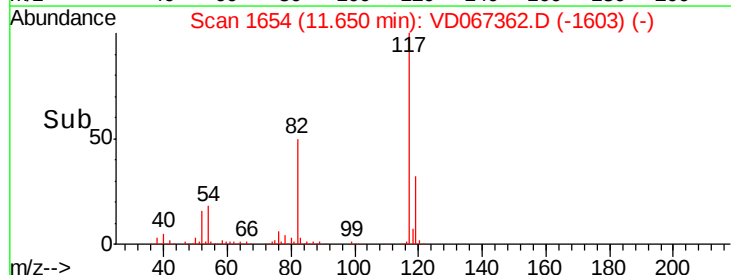
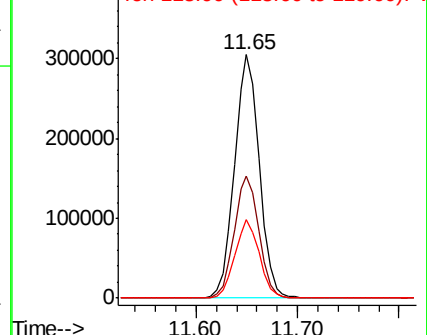
119 32.0 24.9 37.3

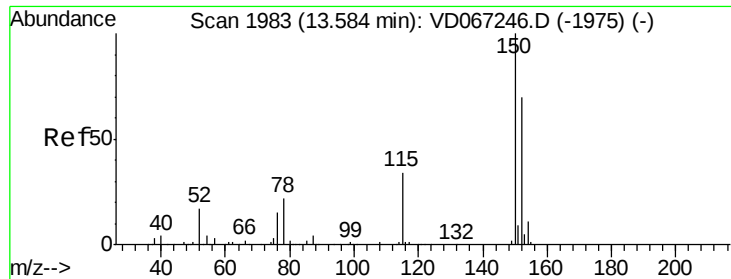


Abundance Ion 116.90 (116.60 to 117.60): V

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

Instrument :

MSVOA_D

ClientSampleId :

IS-SOIL-PILE

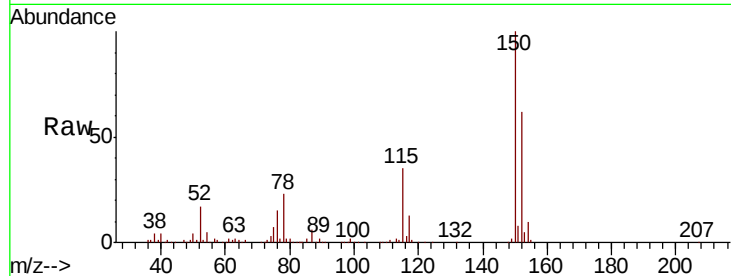
Tot Ion:152 Resp: 245926

Ion Ratio Lower Upper

152 100

115 58.0 29.3 87.9

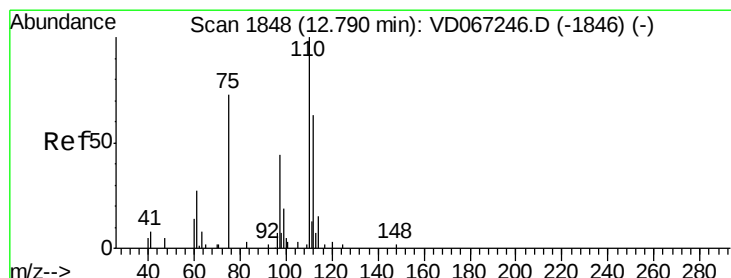
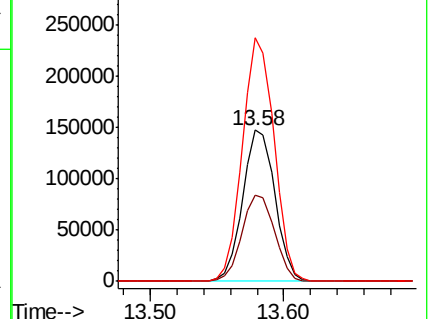
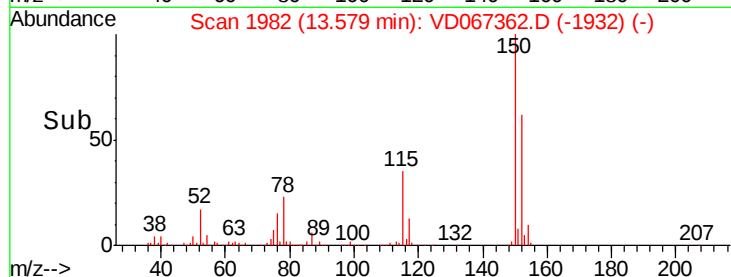
150 158.5 0.0 339.0



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



#76

1,2,3-Trichloropropane

Concen: 65.435 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067362.D

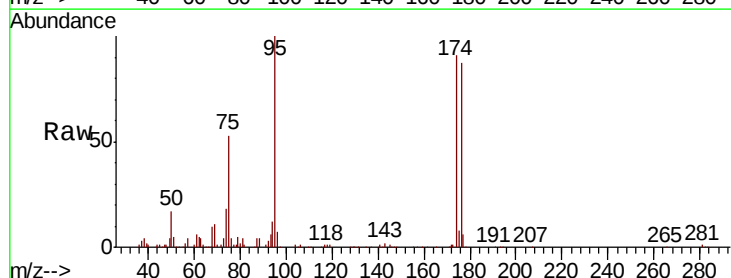
Acq: 22 Oct 2020 15:11

Tgt Ion: 75 Resp: 111534

Ion Ratio Lower Upper

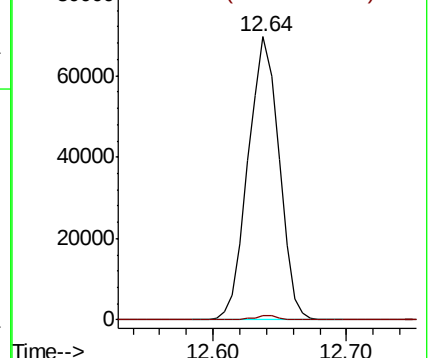
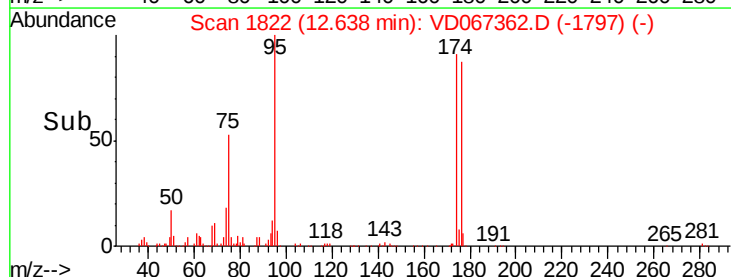
75 100

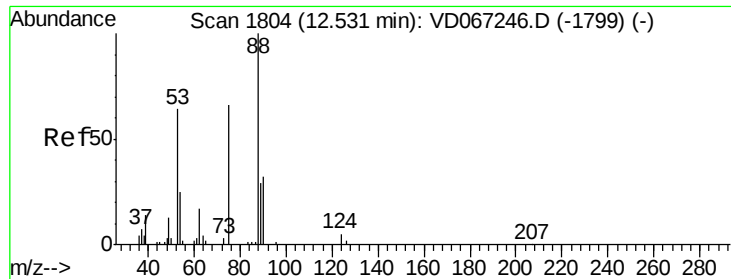
77 1.2 0.0 0.0#



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: 148.387 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067362.D

Acq: 22 Oct 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

IS-SOIL-PILE

Tot Ion: 75 Resp: 111534

Ion Ratio Lower Upper

75 100

53 0.3 78.5 117.7#

89 0.0 39.9 59.9#

