

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065889.D
 Acq On : 29 Jun 2020 16:29
 Operator : VA/SY
 Sample : L3151-01
 Misc : 7.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-MW180-SOIL-580-582

Quant Time: Jun 30 04:12:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	108306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	187938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	144995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	45414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	66091	58.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.48%	
35) Dibromofluoromethane	7.91	113	62495	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
50) Toluene-d8	10.34	98	197479	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
62) 4-Bromofluorobenzene	12.63	95	49425	34.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.06%	

Target Compounds

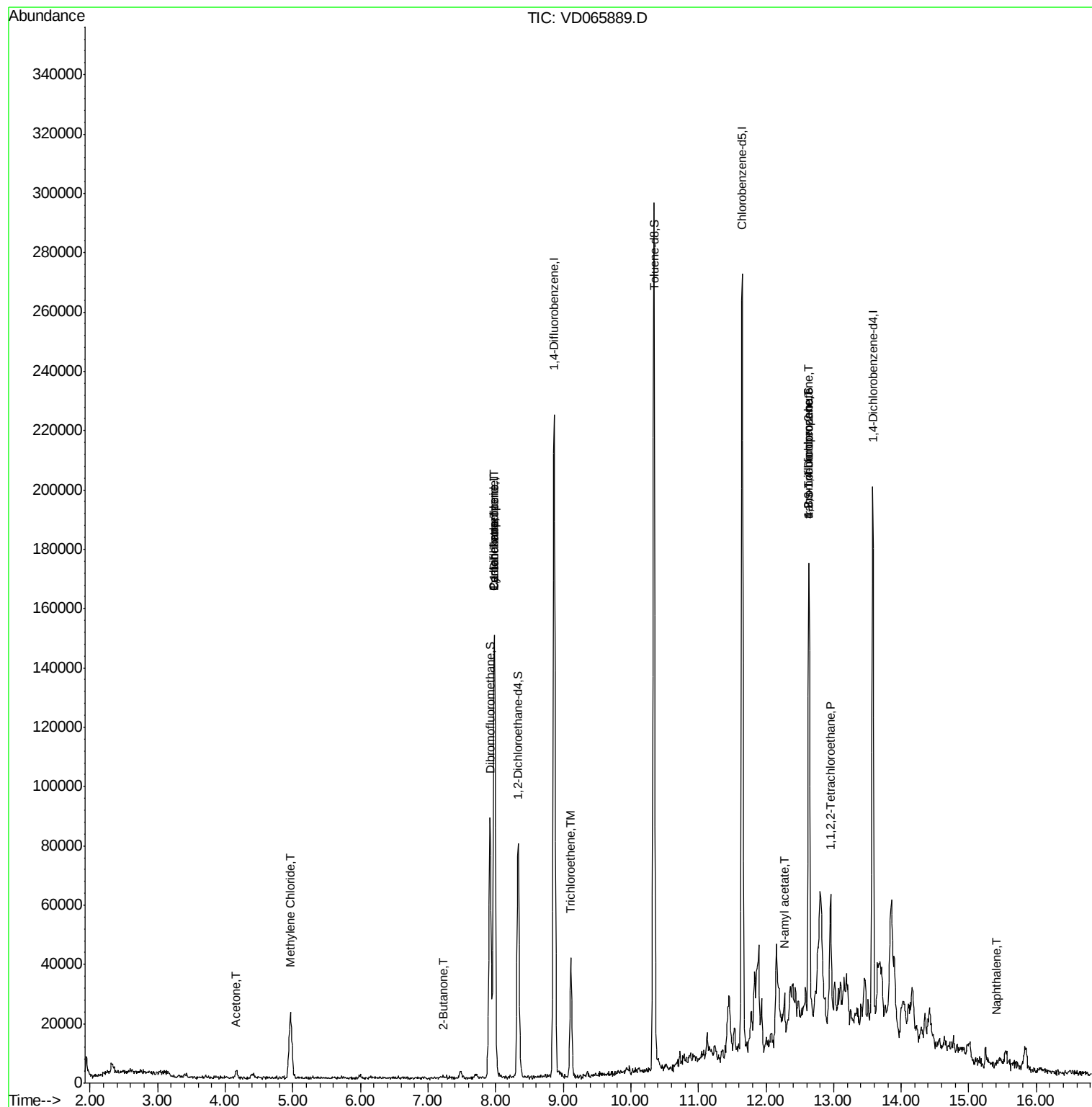
						Qvalue
16) Acetone	4.15	43	3804	17.255	ug/l #	86
20) Methylene Chloride	4.96	84	15703	9.235	ug/l	96
25) 2-Butanone	7.22	43	595	2.022	ug/l #	49
31) Cyclohexane	7.98	56	2922	1.450	ug/l #	9
36) 1,1-Dichloropropene	7.97	75	9355	5.105	ug/l #	52
38) Carbon Tetrachloride	7.98	117	11735	5.930	ug/l #	16
44) Trichloroethene	9.11	130	13951	10.129	ug/l	92
74) N-amyl acetate	12.27	43	3380	4.703	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.96	83	2885	5.388	ug/l	75
76) 1,2,3-Trichloropropane	12.64	75	27732	69.787	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	27732	149.927	ug/l #	10
95) Naphthalene	15.41	128	1550	1.094	ug/l #	73

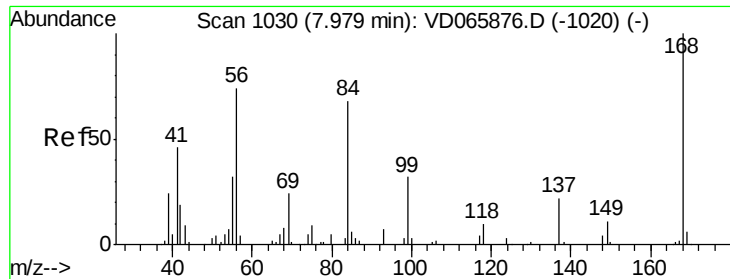
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

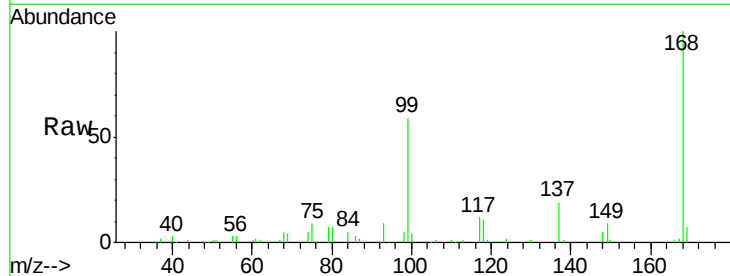
BP-MW180-SOIL-580-582

Tot Ion:168 Resp: 108306

Ion Ratio Lower Upper

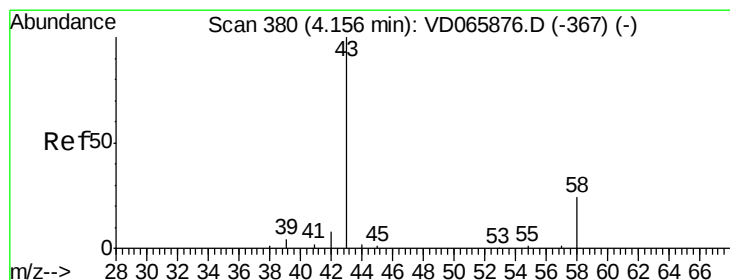
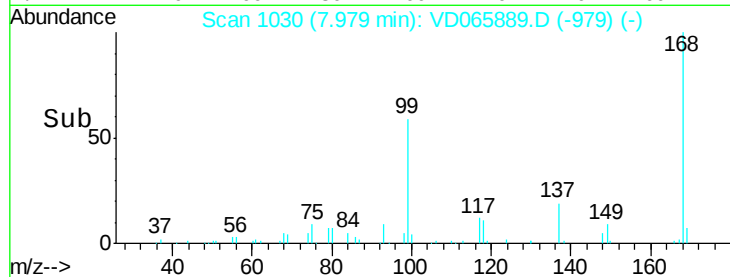
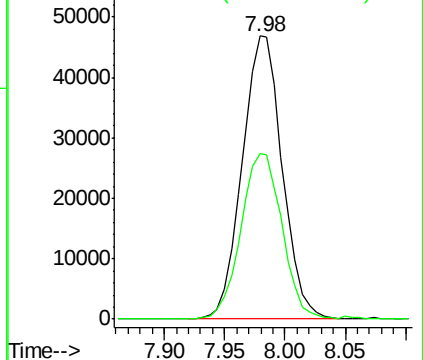
168 100

99 58.7 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 17.255 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065889.D

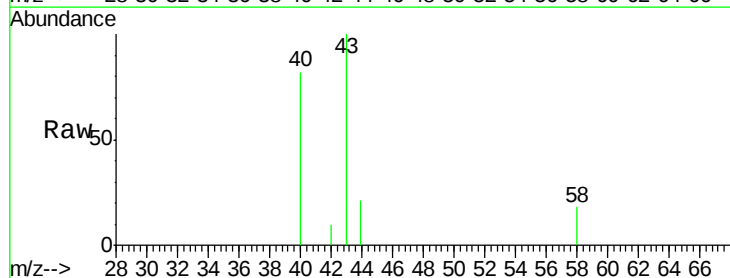
Acq: 29 Jun 2020 16:29

Tgt Ion: 43 Resp: 3804

Ion Ratio Lower Upper

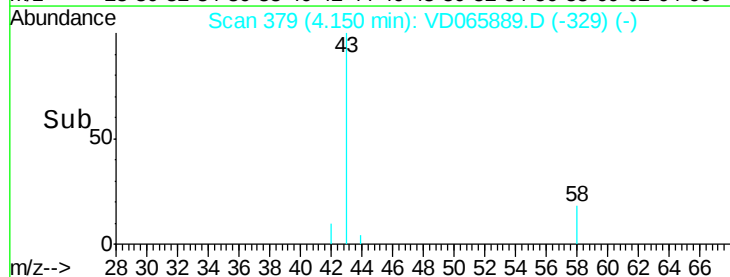
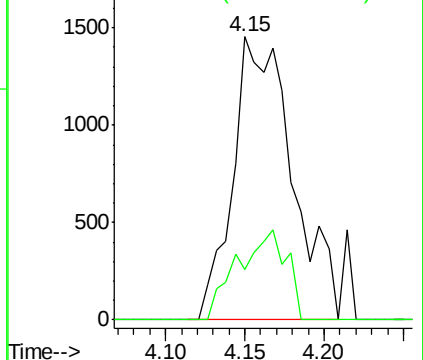
43 100

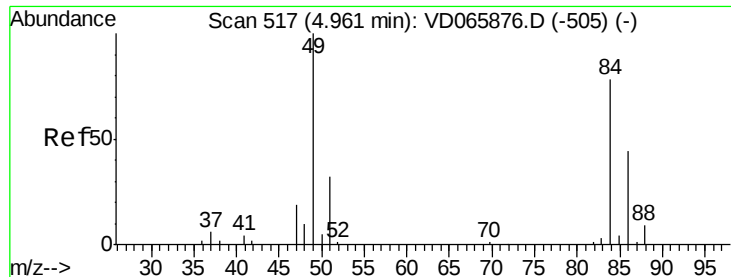
58 17.7 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methvlene Chloride

Concen: 9.235 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-580-582

Tot Ion: 84 Resp: 15703

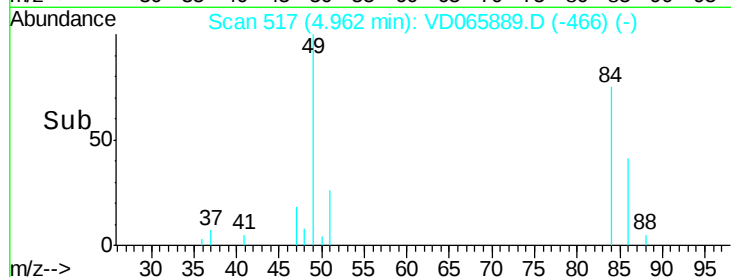
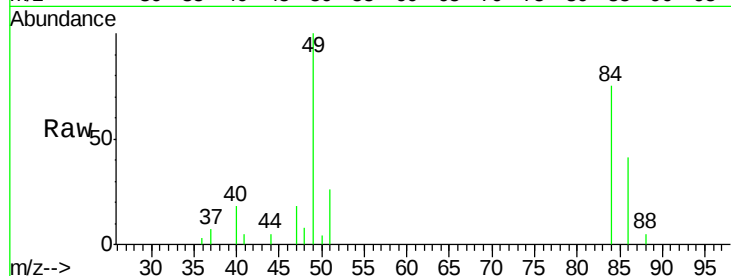
Ion Ratio Lower Upper

84 100

49 132.7 103.0 154.6

51 33.9 32.7 49.1

86 54.8 44.9 67.3

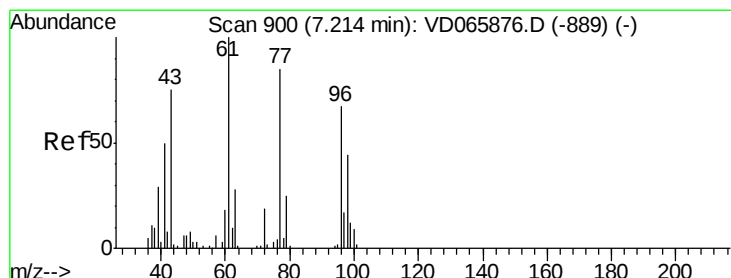
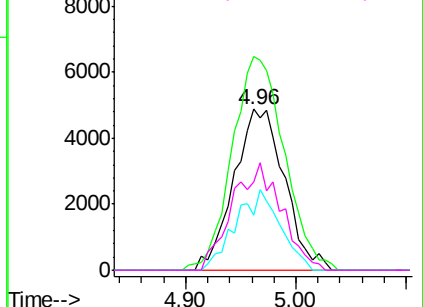


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 2.022 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065889.D

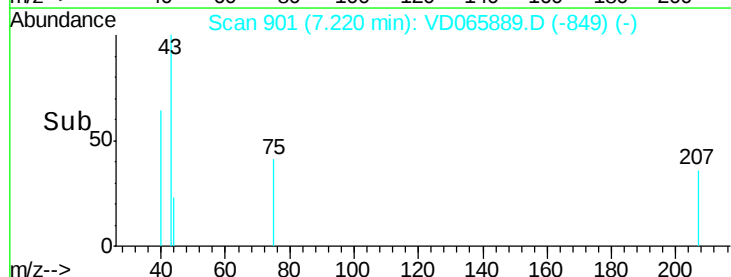
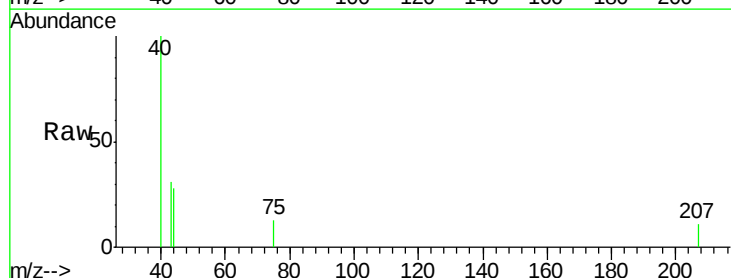
Acq: 29 Jun 2020 16:29

Tgt Ion: 43 Resp: 595

Ion Ratio Lower Upper

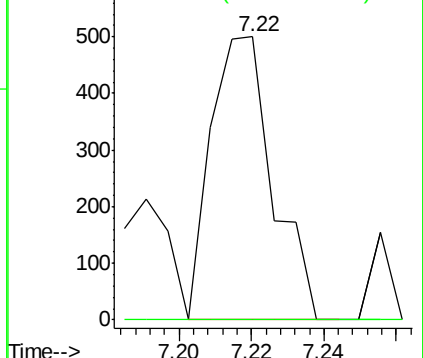
43 100

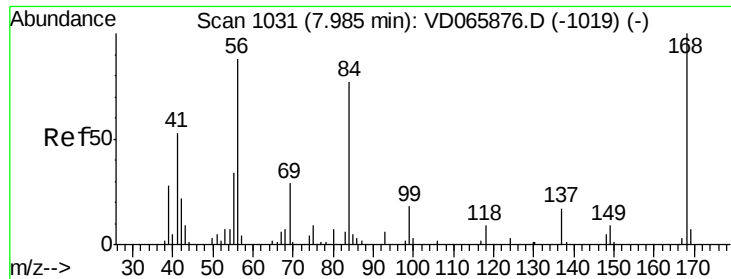
72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

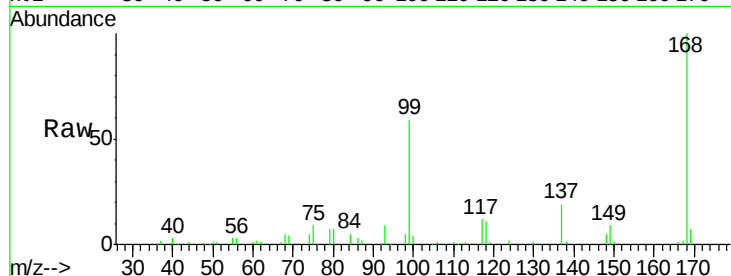




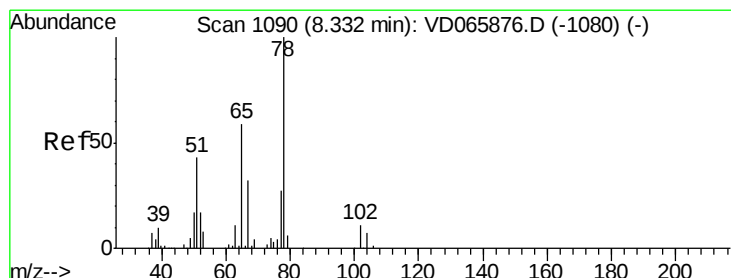
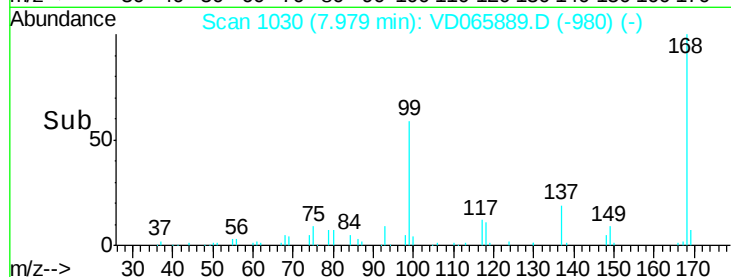
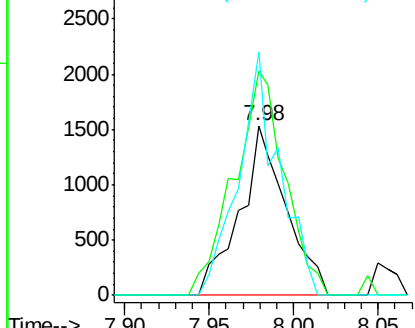
#31
Cyclohexane
Concen: 1.450 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065889.D
Acq: 29 Jun 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
BP-MW180-SOIL-580-582

Tot Ion: 56 Resp: 2922
Ion Ratio Lower Upper
56 100
69 131.9 26.2 39.4#
84 143.3 70.3 105.5#

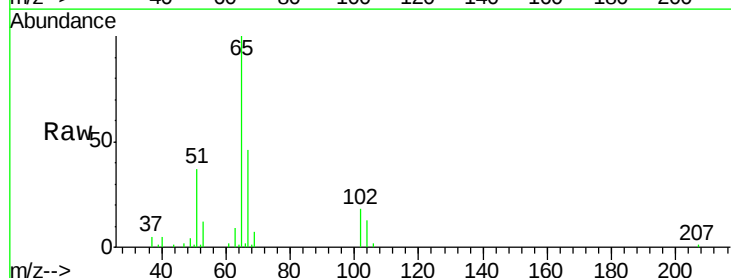


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

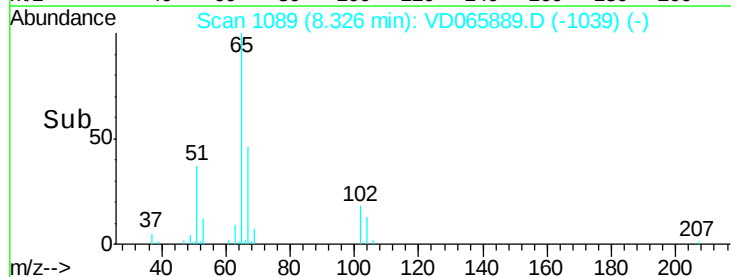
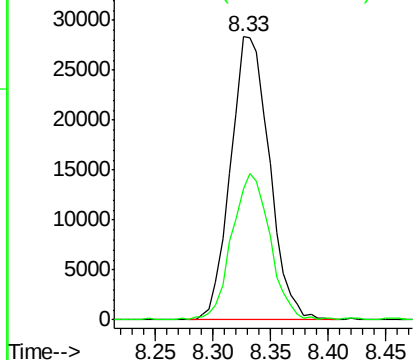


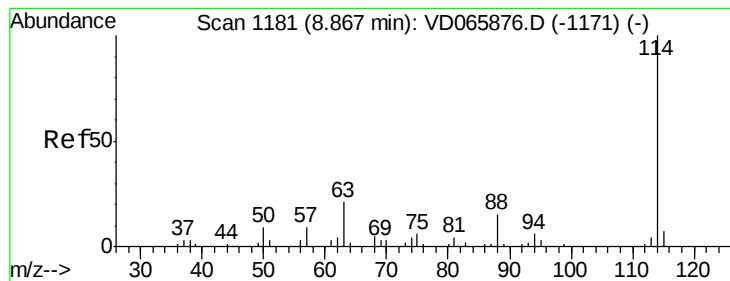
#33
1,2-Dichloroethane-d4
Concen: 58.737 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD065889.D
Acq: 29 Jun 2020 16:29

Tgt Ion: 65 Resp: 66091
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



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: VD065889.D

Acq: 29 Jun 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-580-582

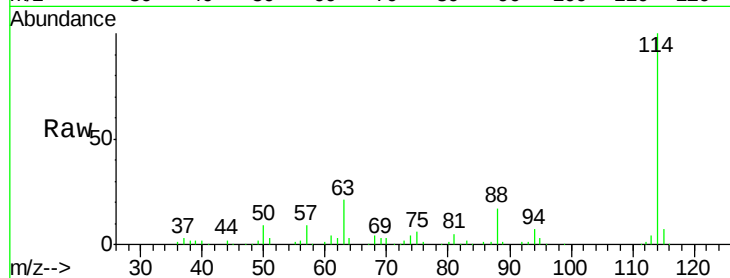
Tot Ion:114 Resp: 187938

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

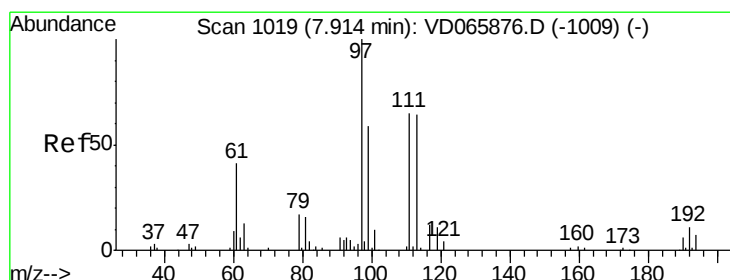
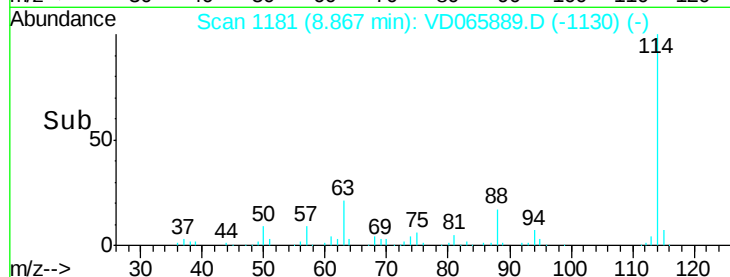
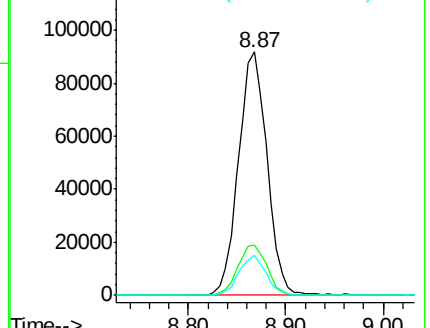
88 16.6 0.0 29.0



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: 53.798 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

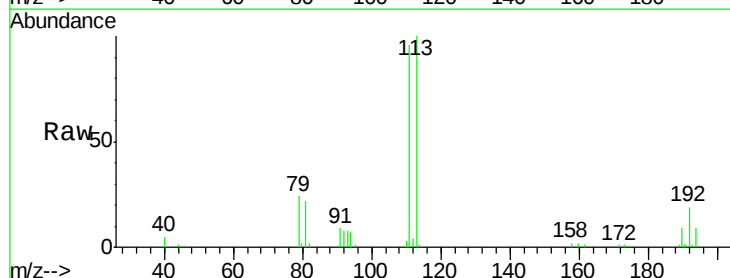
Tgt Ion:113 Resp: 62495

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

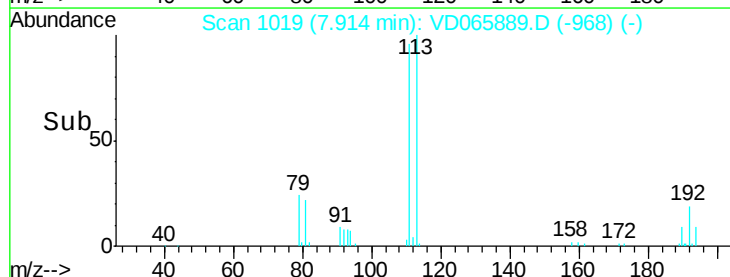
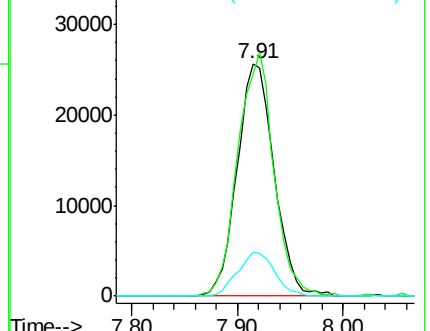
192 18.8 15.2 22.8

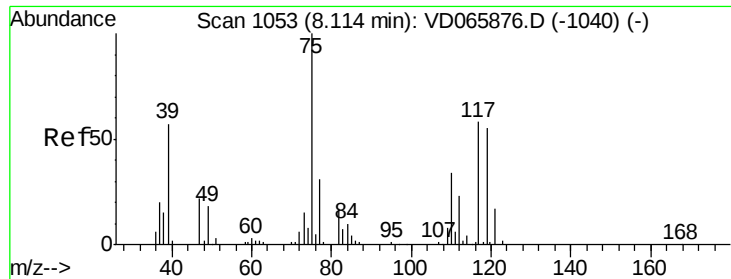


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

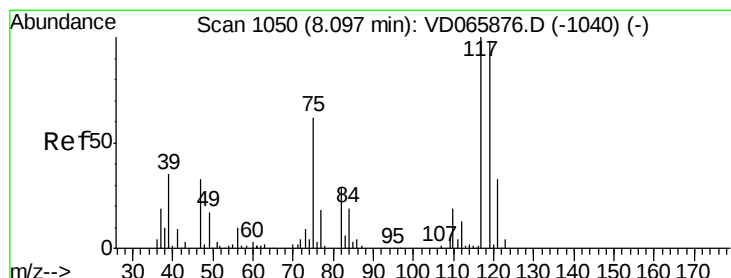
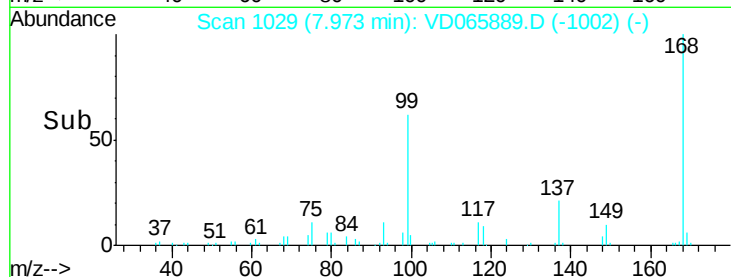
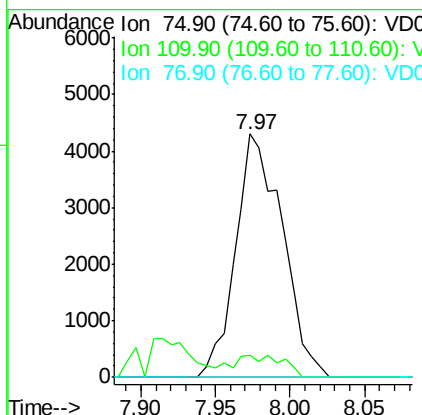
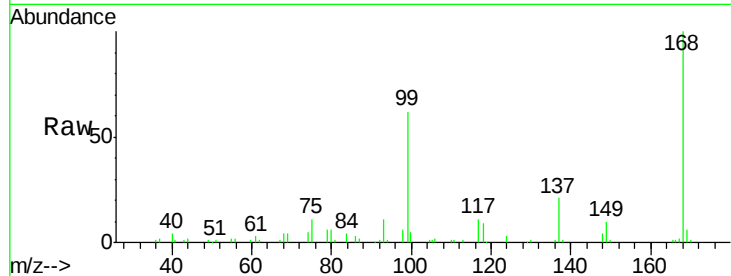




#36
 1,1-Dichloropropene
 Concen: 5.105 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD065889.D
 Acq: 29 Jun 2020 16:29

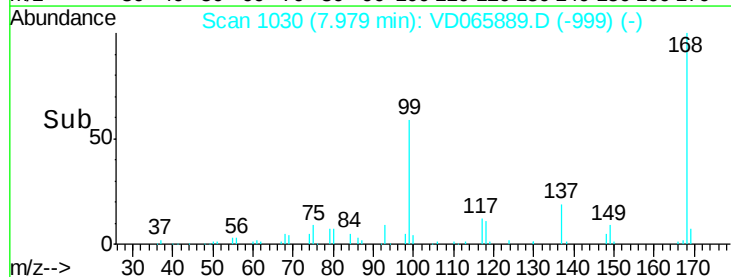
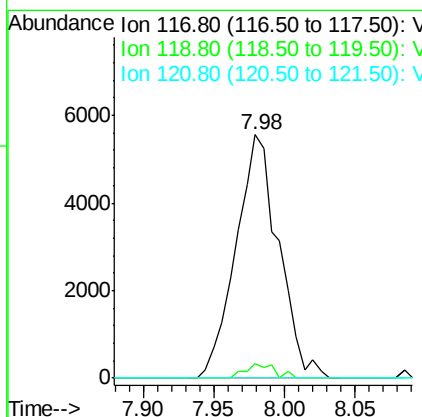
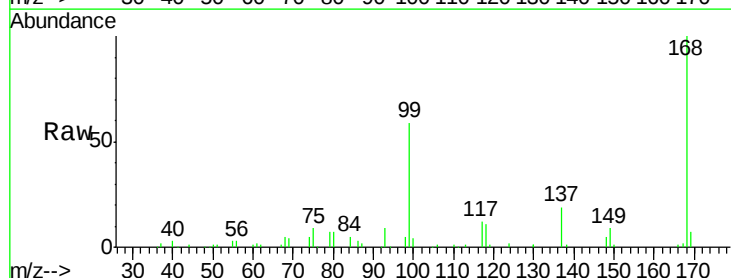
Instrument :
 MSVOA_D
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 BP-MW180-SOIL-580-582

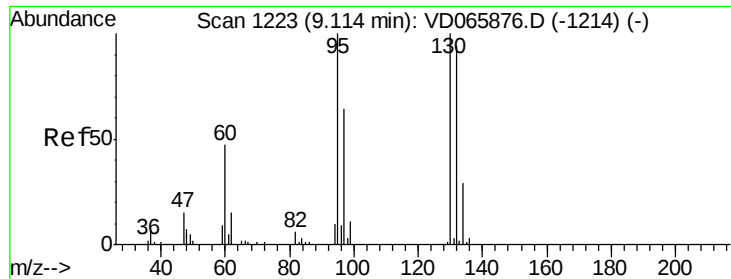
Tot Ion	75	Resp	9355
Ion Ratio	Lower	Upper	
75	100		
110	9.8	16.8	50.4#
77	0.0	24.0	36.0#



#38
 Carbon Tetrachloride
 Concen: 5.930 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065889.D
 Acq: 29 Jun 2020 16:29

Tgt Ion	117	Resp	11735
Ion Ratio	Lower	Upper	
117	100		
119	5.9	78.6	117.8#
121	0.0	26.5	39.7#





#44

Trichloroethene

Concen: 10.129 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

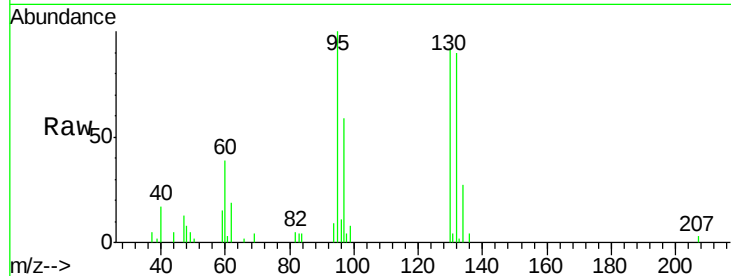
BP-MW180-SOIL-580-582

Tot Ion:130 Resp: 13951

Ion Ratio Lower Upper

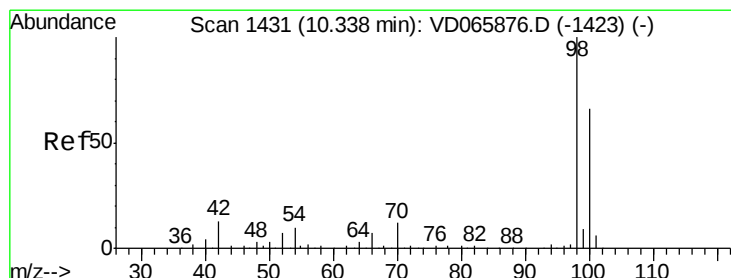
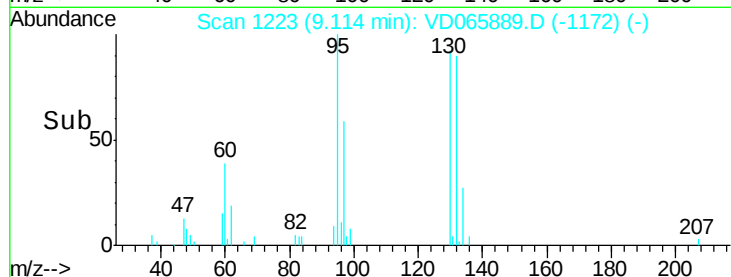
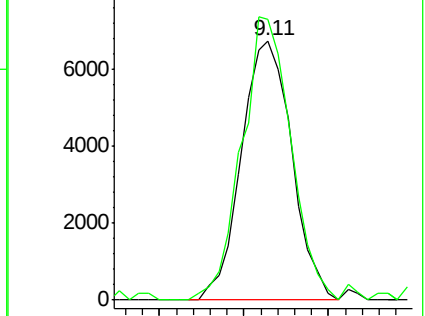
130 100

95 108.3 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 45.192 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD065889.D

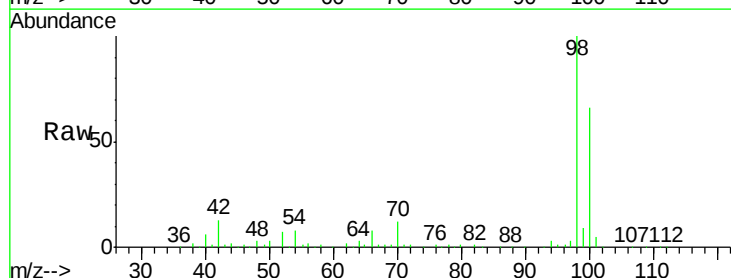
Acq: 29 Jun 2020 16:29

Tgt Ion: 98 Resp: 197479

Ion Ratio Lower Upper

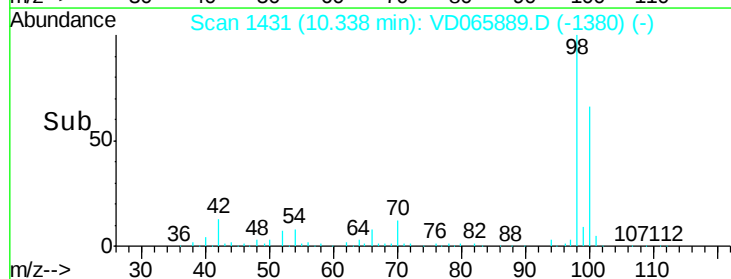
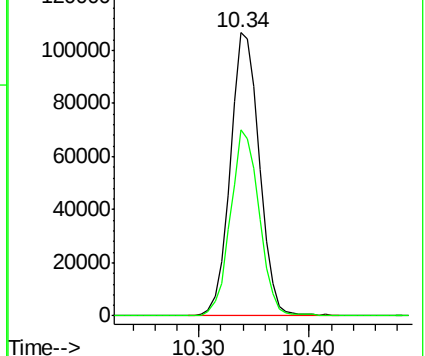
98 100

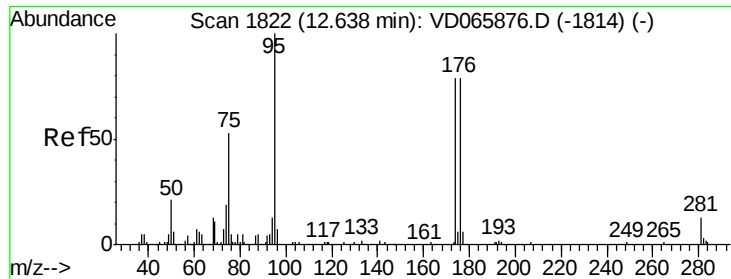
100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

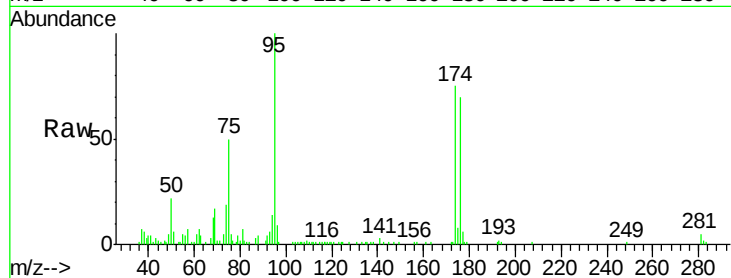




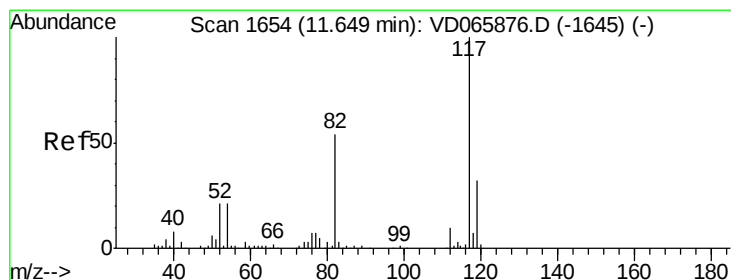
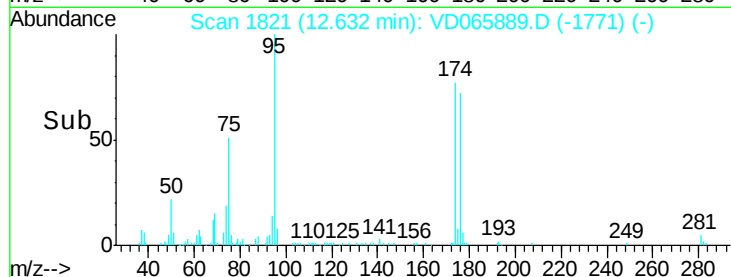
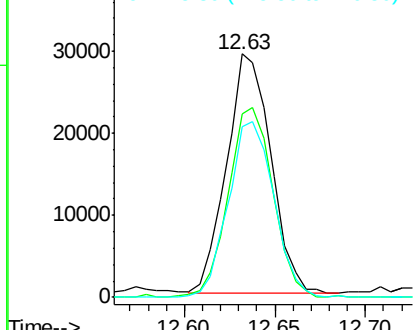
#62
4-Bromofluorobenzene
Concen: 34.526 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD065889.D
Acq: 29 Jun 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
BP-MW180-SOIL-580-582

Tot Ion	95	Resp	49425
Ion Ratio	Lower	Upper	
95	100		
174	80.3	0.0	158.4
176	75.8	0.0	156.0

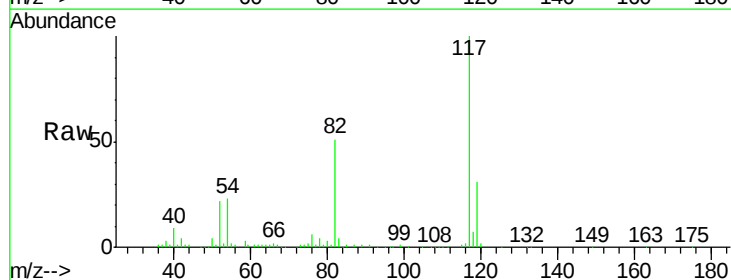


Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

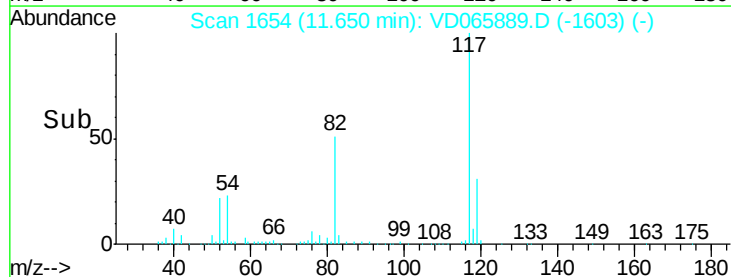
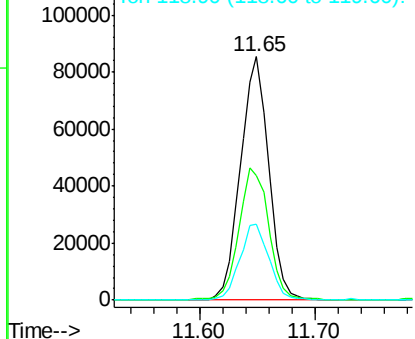


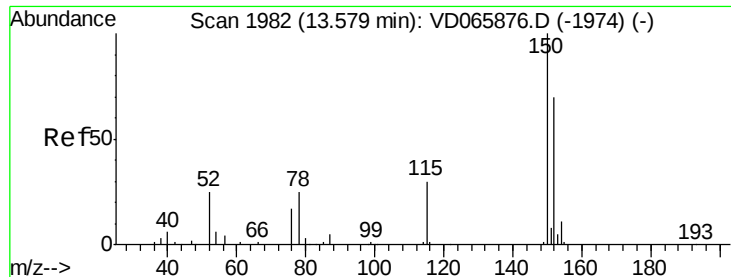
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065889.D
Acq: 29 Jun 2020 16:29

Tgt Ion	117	Resp	144995
Ion Ratio	Lower	Upper	
117	100		
82	51.2	43.6	65.4
119	30.7	25.9	38.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-580-582

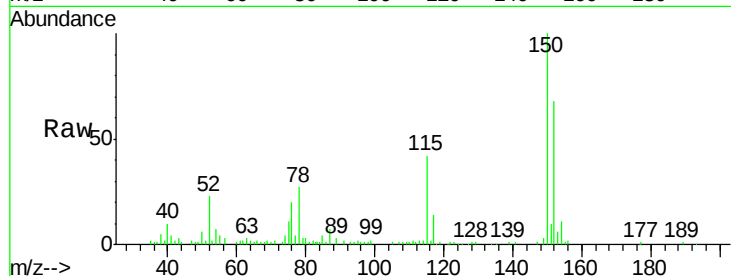
Tot Ion:152 Resp: 45414

Ion Ratio Lower Upper

152 100

115 60.8 29.7 89.1

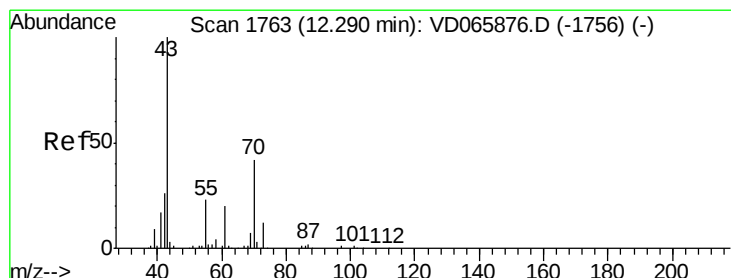
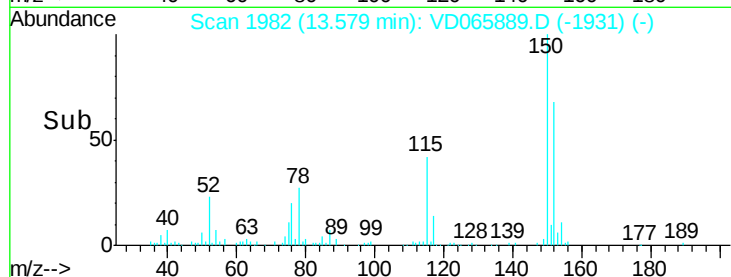
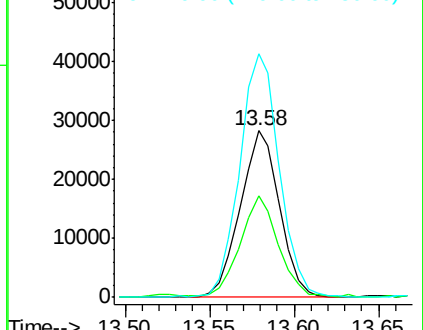
150 148.7 0.0 346.2



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



#74

N-ethyl acetate

Concen: 4.703 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

Tgt Ion: 43 Resp: 3380

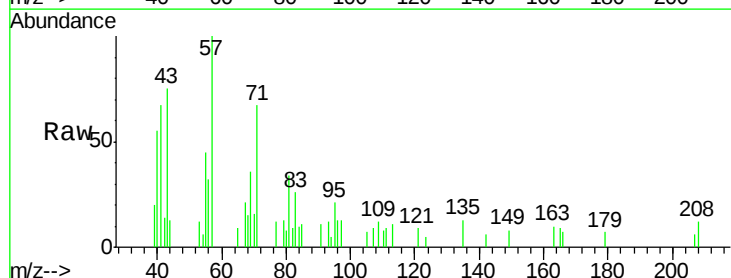
Ion Ratio Lower Upper

43 100

70 29.1 32.5 48.7#

55 19.4 18.7 28.1

61 0.0 16.7 25.1#

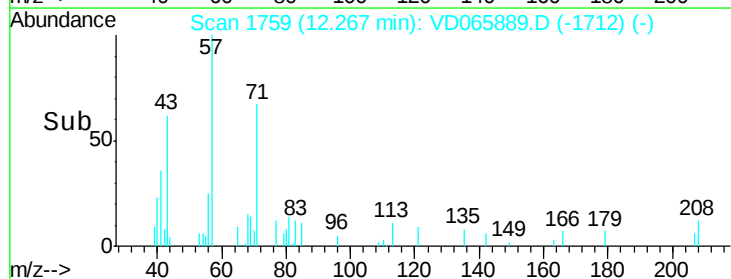
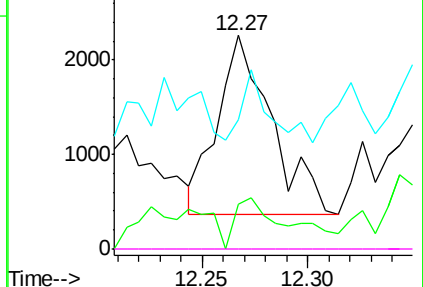


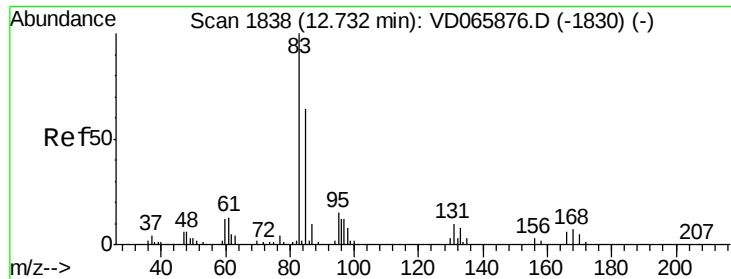
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.388 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.23 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-580-582

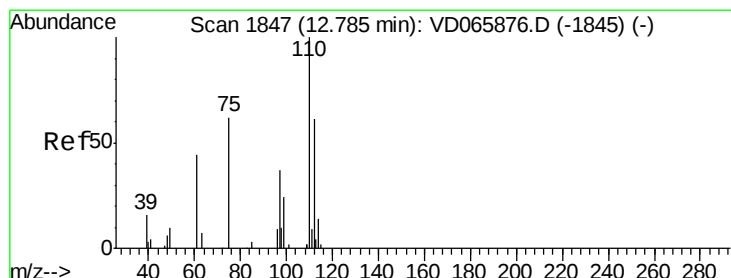
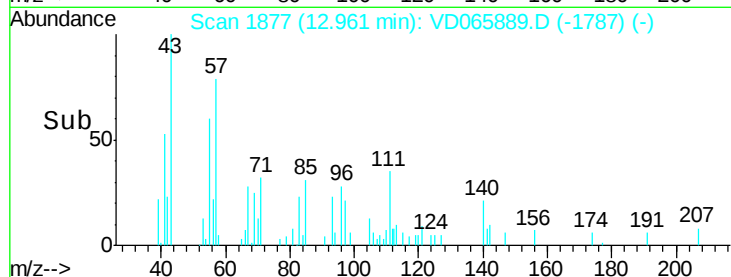
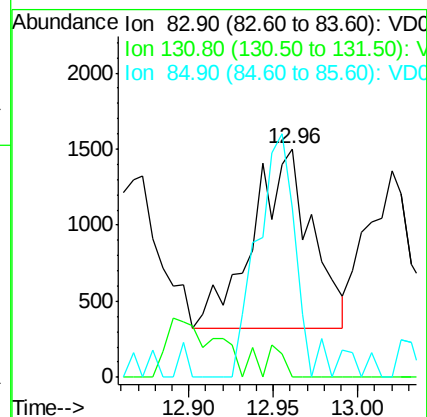
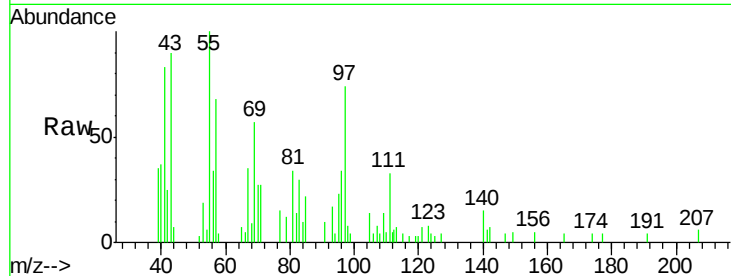
Tot Ion: 83 Resp: 2885

Ion Ratio Lower Upper

83 100

131 6.9 5.5 16.4

85 86.5 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 69.787 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065889.D

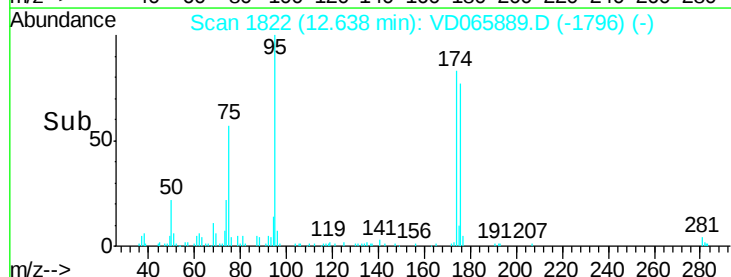
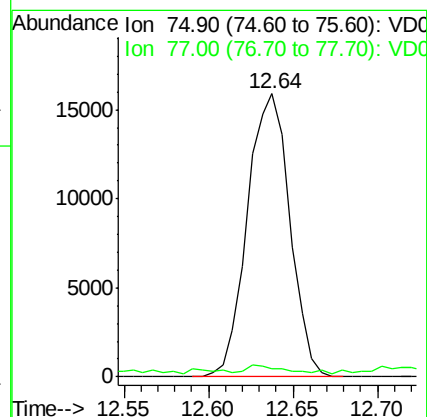
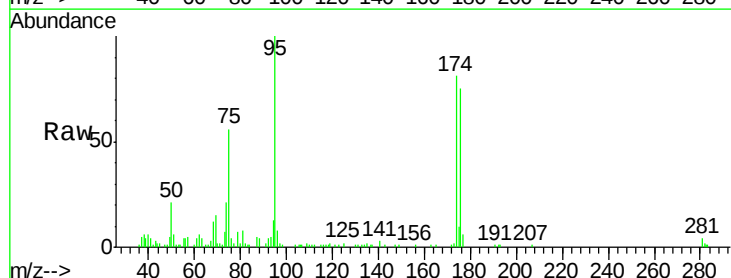
Acq: 29 Jun 2020 16:29

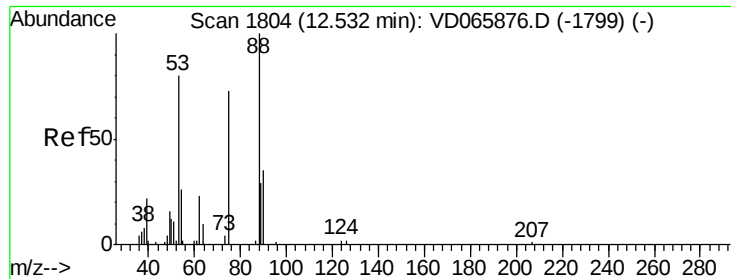
Tgt Ion: 75 Resp: 27732

Ion Ratio Lower Upper

75 100

77 2.1 168.5 505.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 149.927 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-580-582

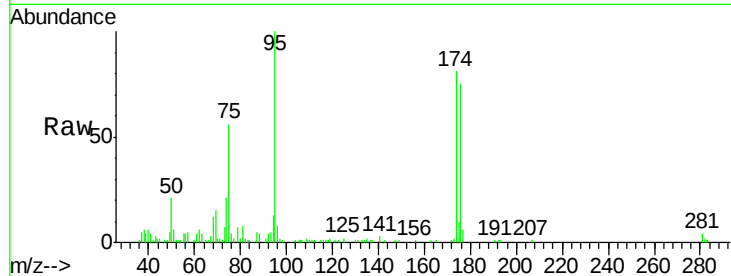
Tot Ion: 75 Resp: 27732

Ion Ratio Lower Upper

75 100

53 0.9 80.6 121.0#

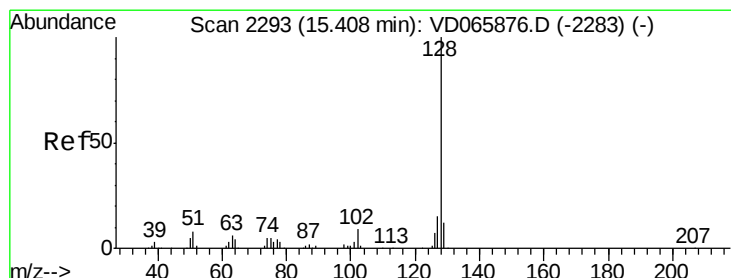
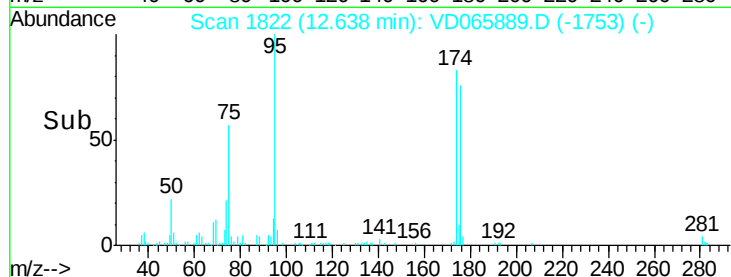
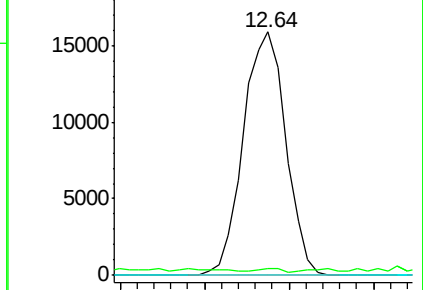
89 0.0 36.5 54.7#



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



#95

Naphthalene

Concen: 1.094 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065889.D

Acq: 29 Jun 2020 16:29

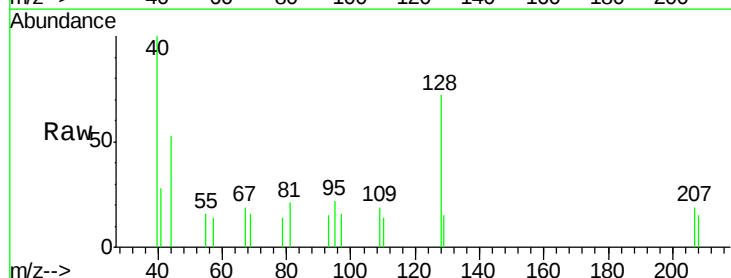
Tgt Ion: 128 Resp: 1550

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 4.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

