

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065890.D
 Acq On : 29 Jun 2020 16:56
 Operator : VA/SY
 Sample : L3151-02
 Misc : 7.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-MW180-SOIL-584-588

Quant Time: Jun 30 04:12:42 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	150692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	260323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	223412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	99724	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	80232	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
35) Dibromofluoromethane	7.91	113	78674	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.34	98	280947	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	12.64	95	88966	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

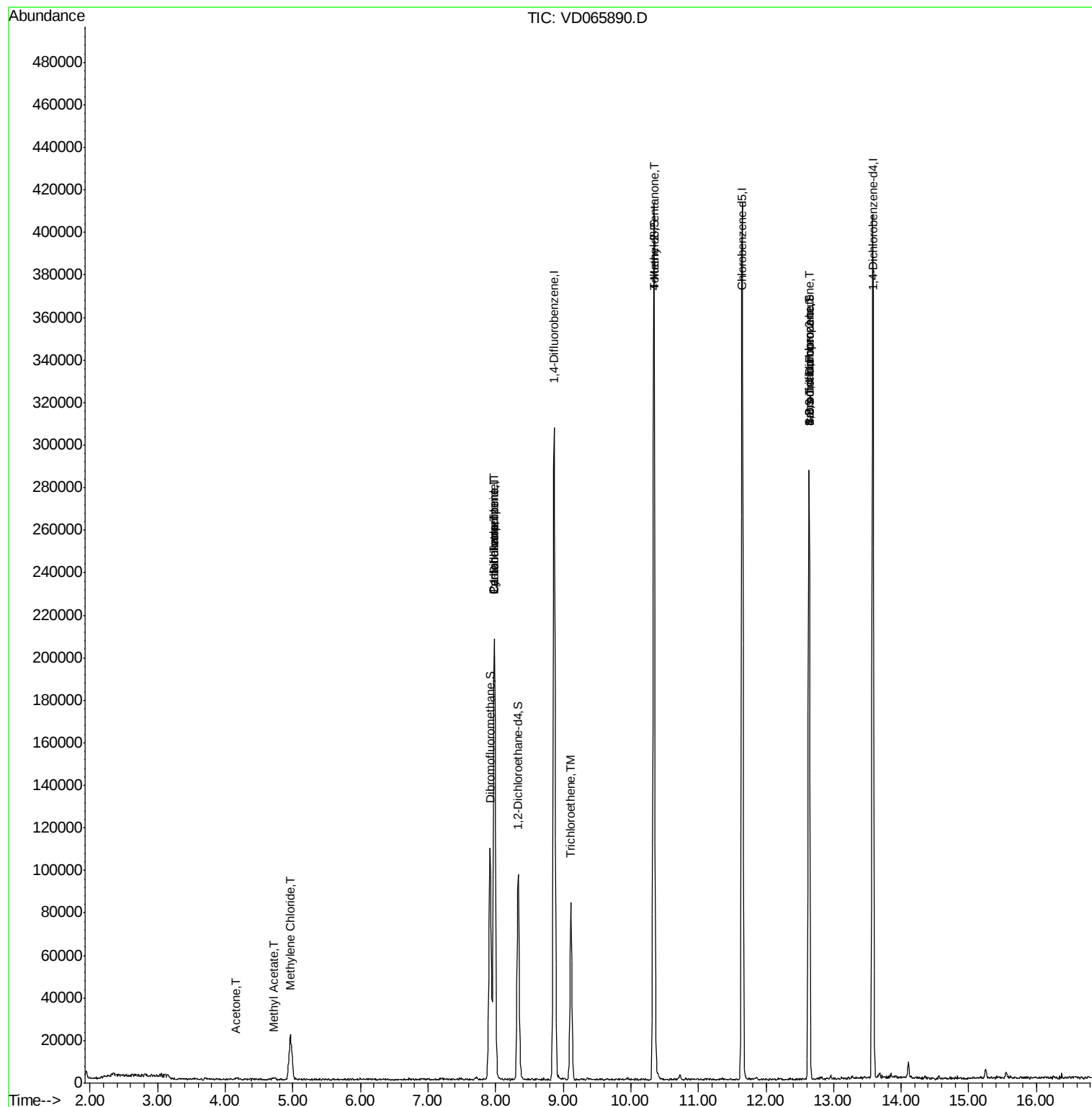
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	1413	4.607	ug/l #	51
18) Methyl Acetate	4.73	43	1603	2.357	ug/l #	50
20) Methylene Chloride	4.97	84	15401	4.716	ug/l	85
31) Cyclohexane	7.98	56	3686	1.314	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	12180	4.798	ug/l #	52
38) Carbon Tetrachloride	7.98	117	16169	5.899	ug/l #	15
44) Trichloroethene	9.11	130	29582	15.505	ug/l	98
51) 4-Methyl-2-Pentanone	10.34	43	1407	1.451	ug/l #	1
71) Bromoform	12.63	173	927	1.057	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	48609	55.706	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	48609	119.675	ug/l #	9

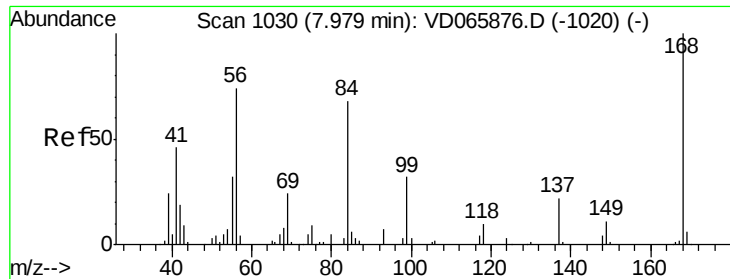
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062920\
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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: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

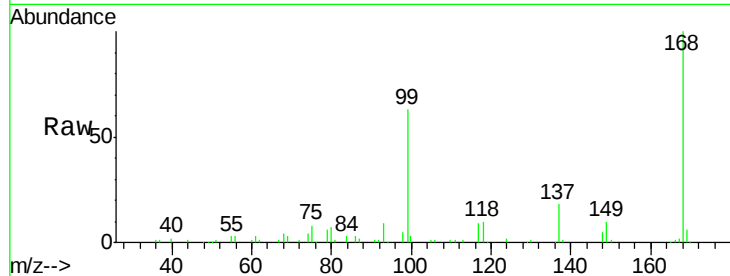
BP-MW180-SOIL-584-588

Tot Ion:168 Resp: 150692

Ion Ratio Lower Upper

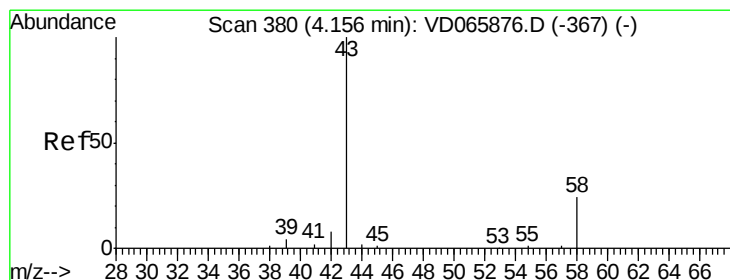
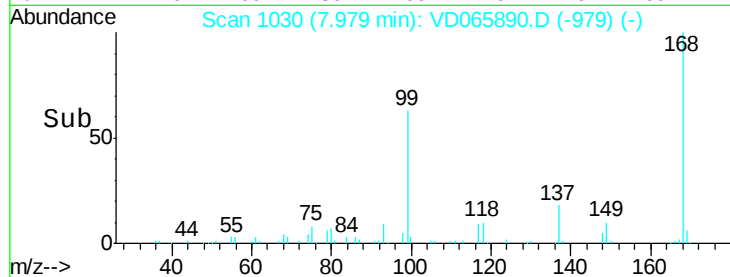
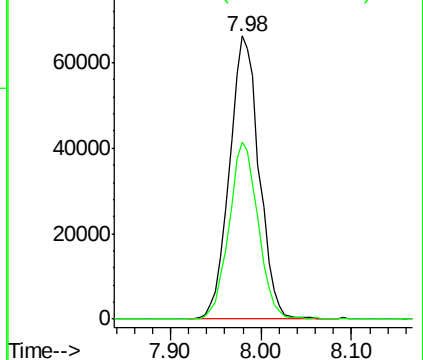
168 100

99 62.7 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: 4.607 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065890.D

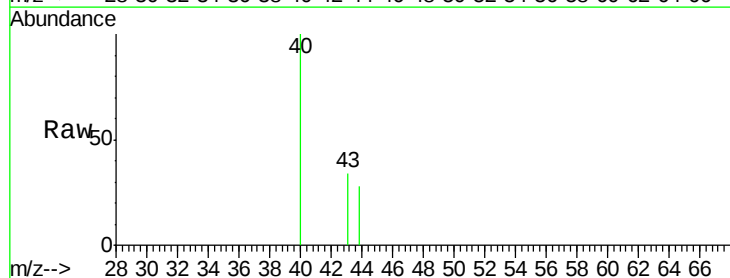
Acq: 29 Jun 2020 16:56

Tgt Ion: 43 Resp: 1413

Ion Ratio Lower Upper

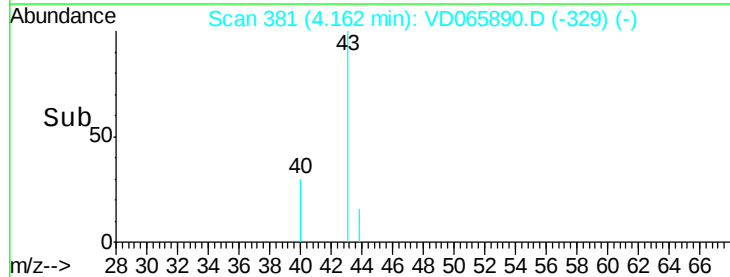
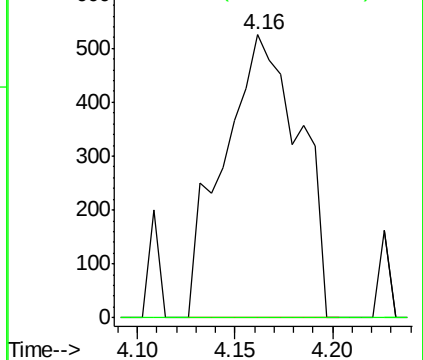
43 100

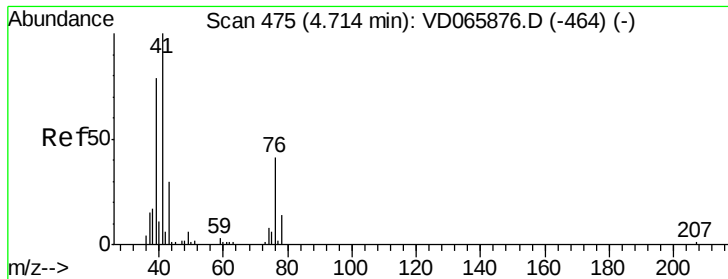
58 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

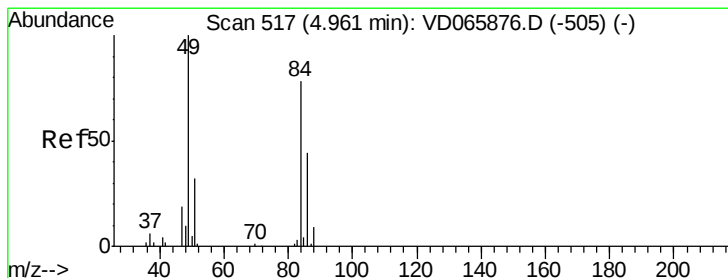
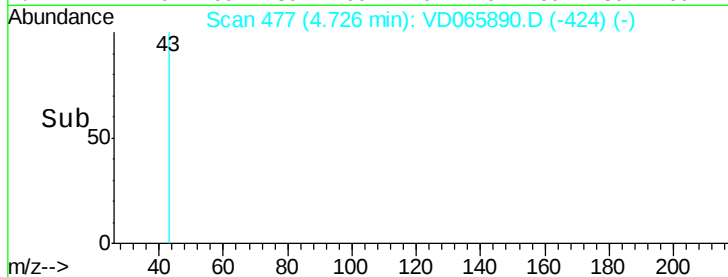
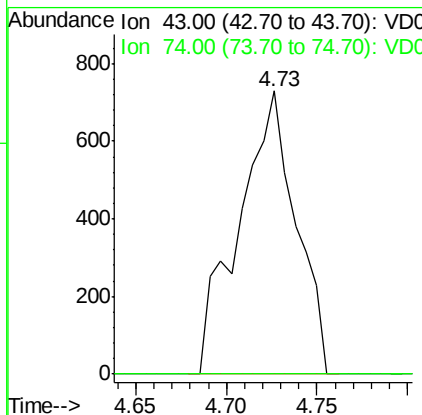
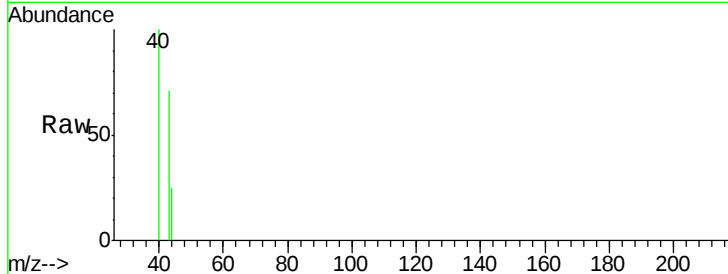




#18
Methyl Acetate
Concen: 2.357 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065890.D
Acq: 29 Jun 2020 16:56

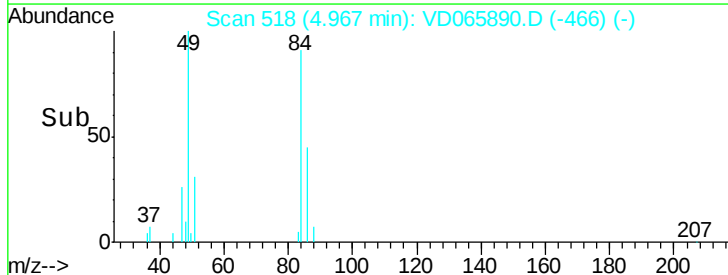
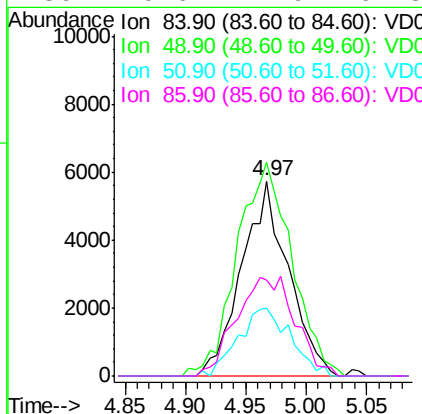
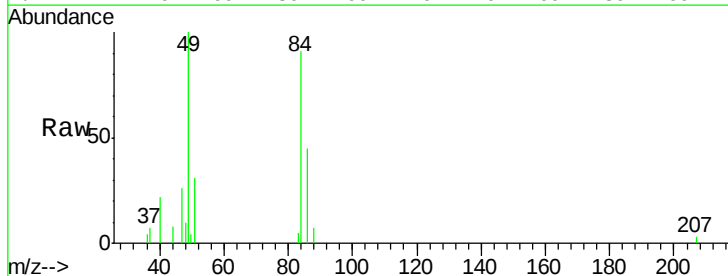
Instrument :
MSVOA_D
ClientSampleId :
BP-MW180-SOIL-584-588

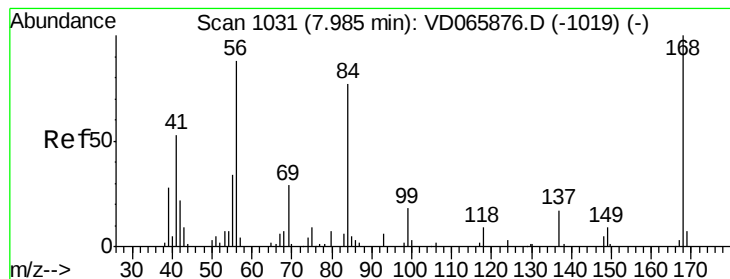
Tot Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 4.716 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065890.D
Acq: 29 Jun 2020 16:56

Tgt Ion: 84 Resp: 15401
Ion Ratio Lower Upper
84 100
49 106.1 103.0 154.6
51 34.5 32.7 49.1
86 49.6 44.9 67.3





#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-584-588

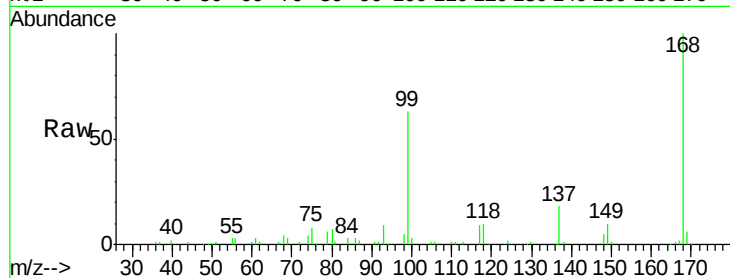
Tot Ion: 56 Resp: 3686

Ion Ratio Lower Upper

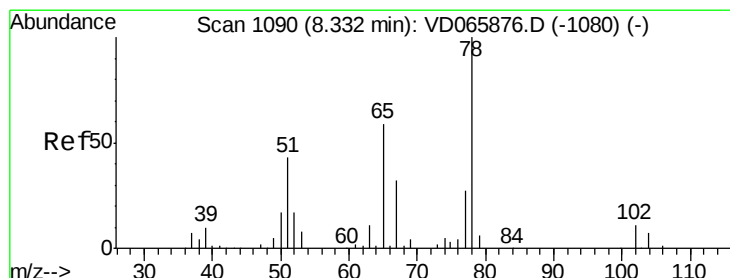
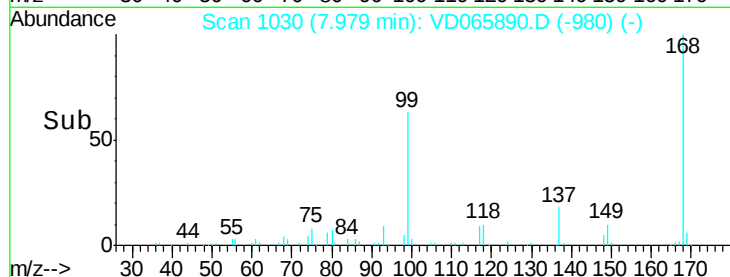
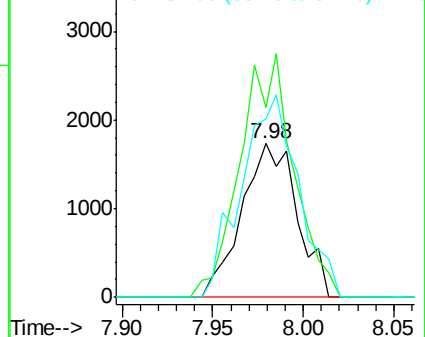
56 100

69 124.2 26.2 39.4#

84 116.2 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: 51.249 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065890.D

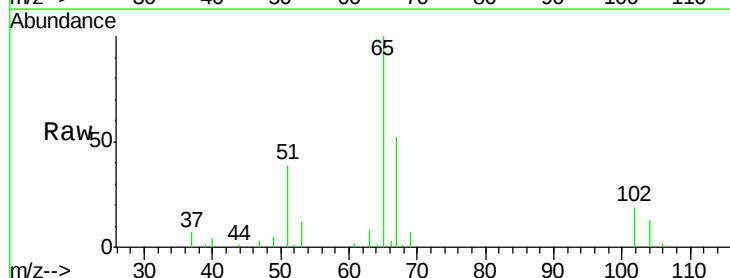
Acq: 29 Jun 2020 16:56

Tgt Ion: 65 Resp: 80232

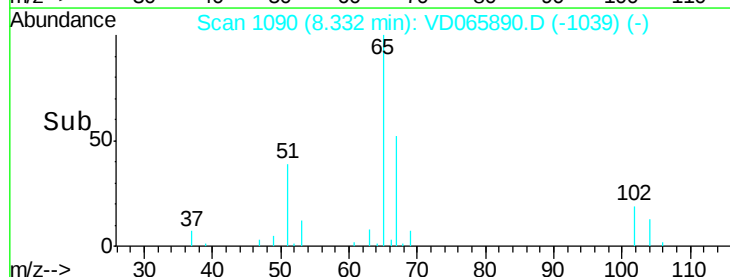
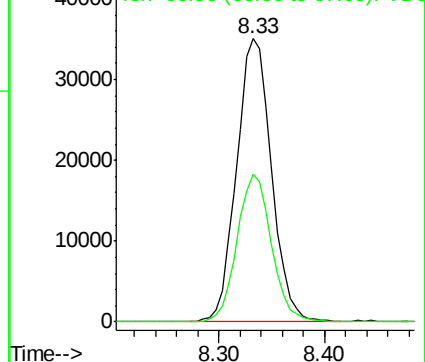
Ion Ratio Lower Upper

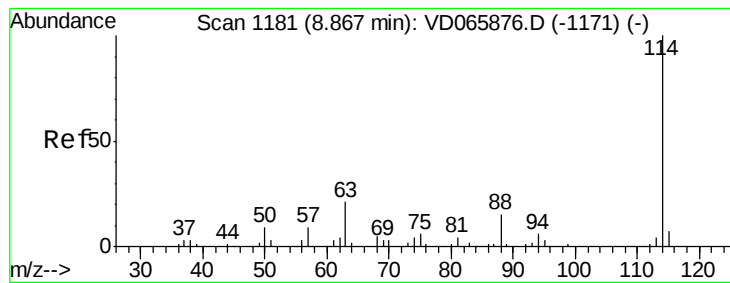
65 100

67 51.3 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: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-584-588

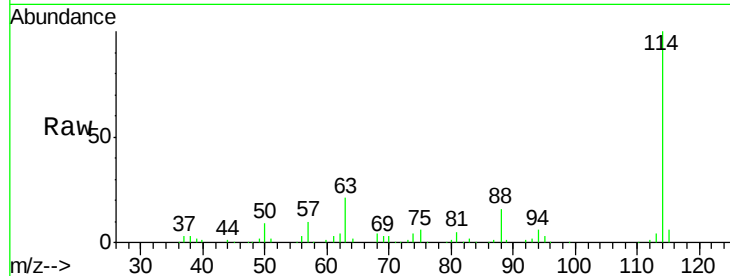
Tot Ion:114 Resp: 260323

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 15.9 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

150000

100000

50000

0

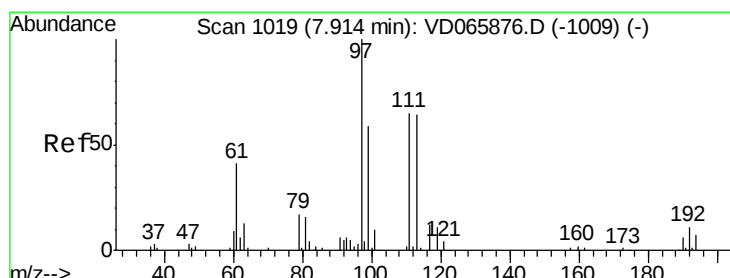
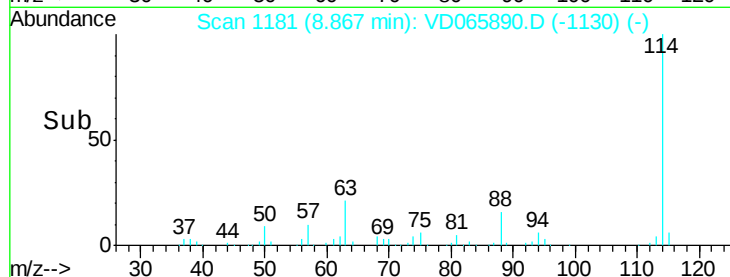
8.87

8.80

8.90

9.00

Time-->



#35

Dibromofluoromethane

Concen: 48.894 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

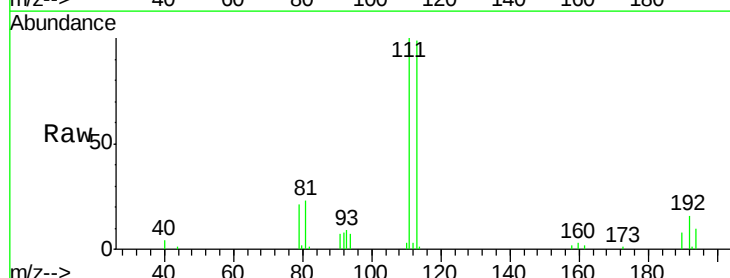
Tgt Ion:113 Resp: 78674

Ion Ratio Lower Upper

113 100

111 102.9 81.0 121.6

192 18.5 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

40000

30000

20000

10000

0

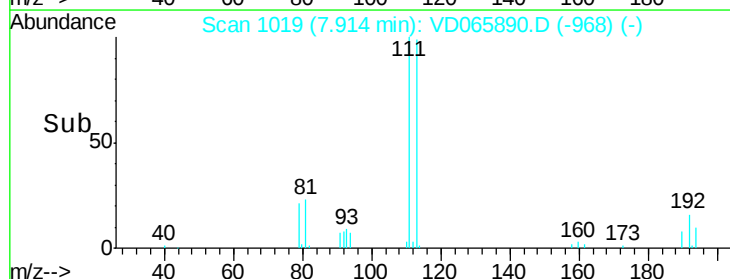
7.91

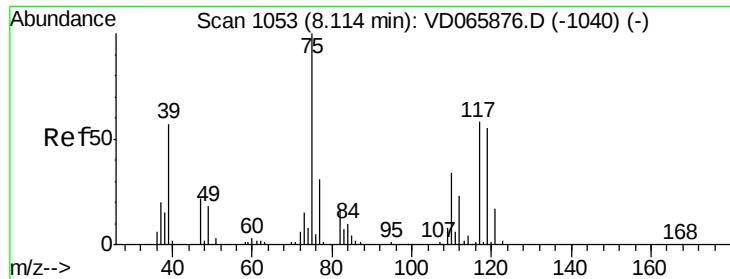
7.80

7.90

8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.798 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-584-588

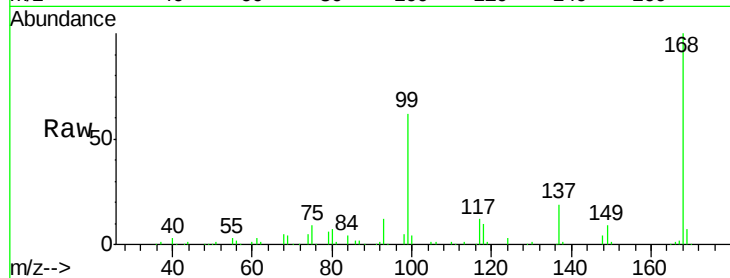
Tot Ion: 75 Resp: 12180

Ion Ratio Lower Upper

75 100

110 10.4 16.8 50.4#

77 0.0 24.0 36.0#

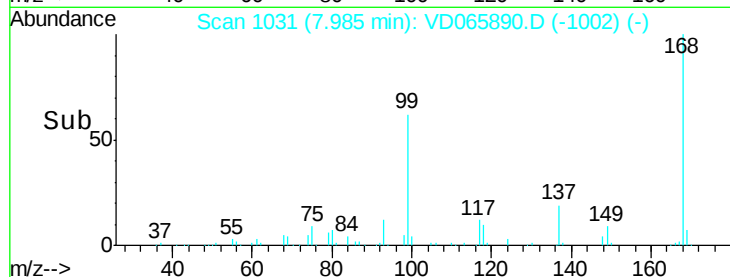


Abundance Ion 74.90 (74.60 to 75.60): VDC

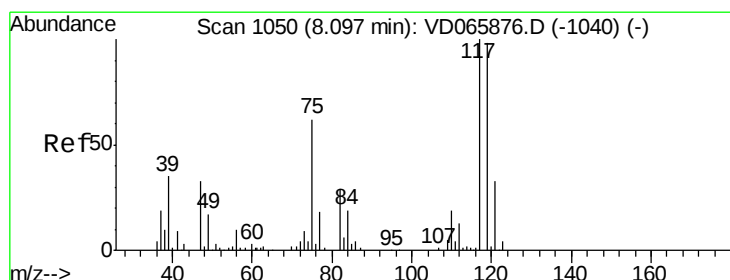
Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

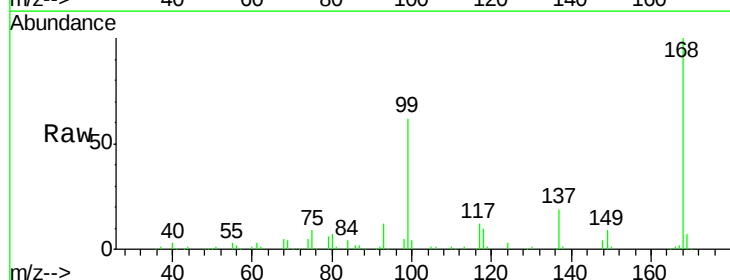
Tgt Ion: 117 Resp: 16169

Ion Ratio Lower Upper

117 100

119 4.6 78.6 117.8#

121 0.0 26.5 39.7#

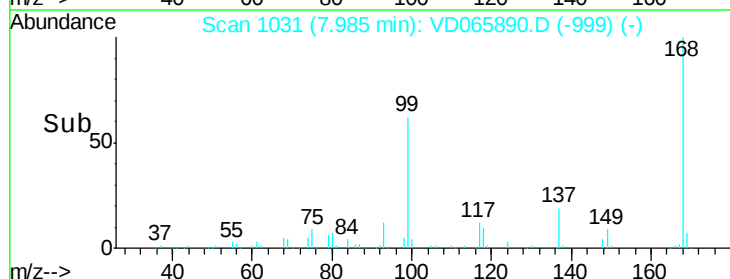


Abundance Ion 116.80 (116.50 to 117.50): VDC

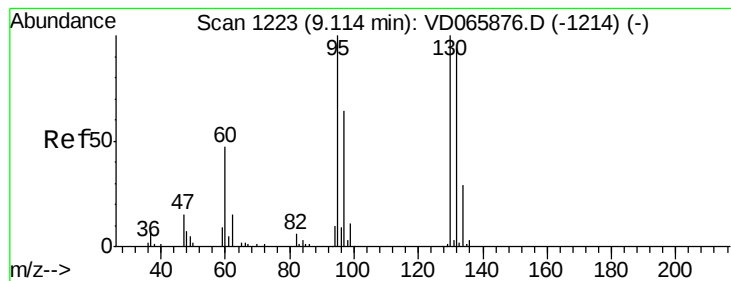
Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

Time-->



Time-->



#44

Trichloroethene

Concen: 15.505 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

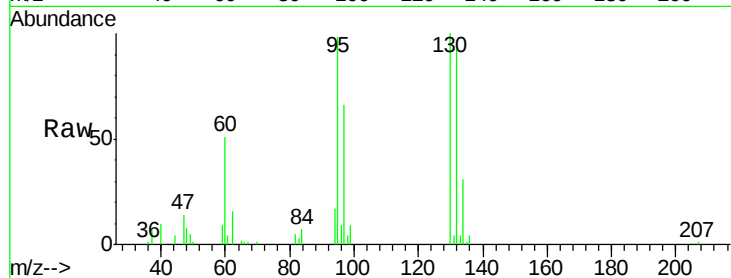
BP-MW180-SOIL-584-588

Tot Ion:130 Resp: 29582

Ion Ratio Lower Upper

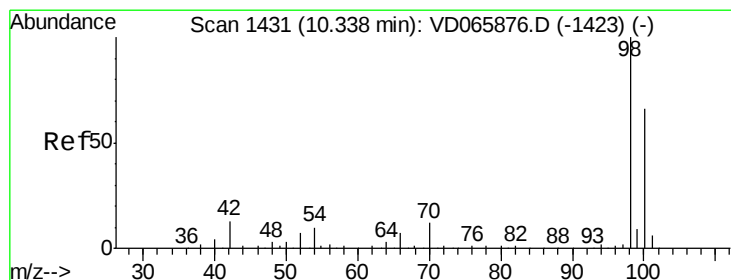
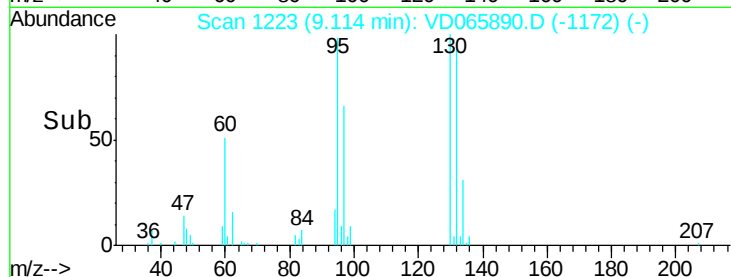
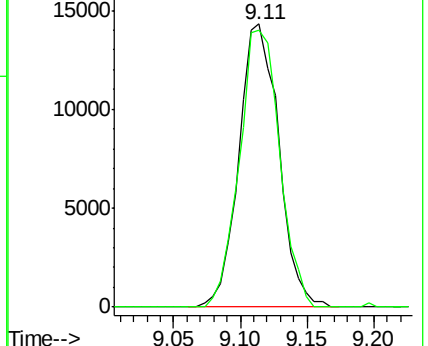
130 100

95 98.0 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: 46.416 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065890.D

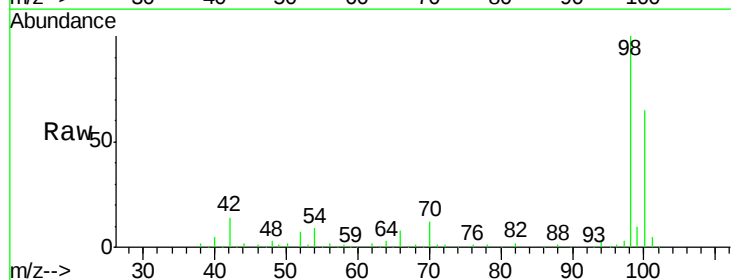
Acq: 29 Jun 2020 16:56

Tgt Ion: 98 Resp: 280947

Ion Ratio Lower Upper

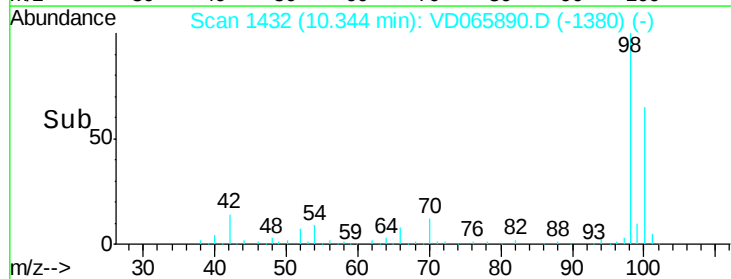
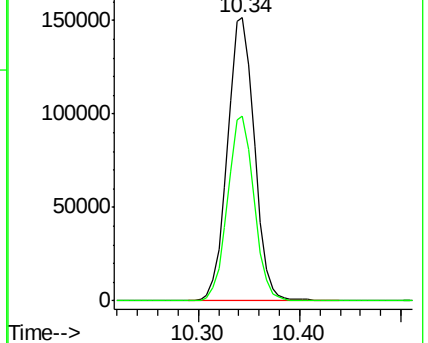
98 100

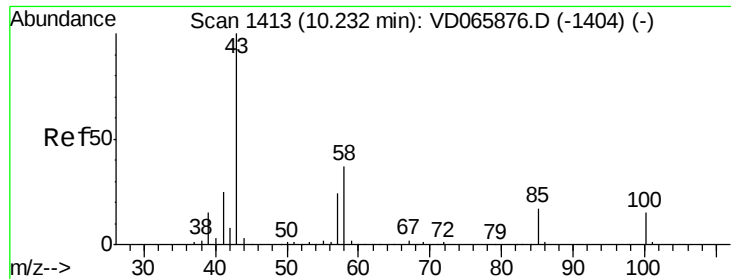
100 63.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.451 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

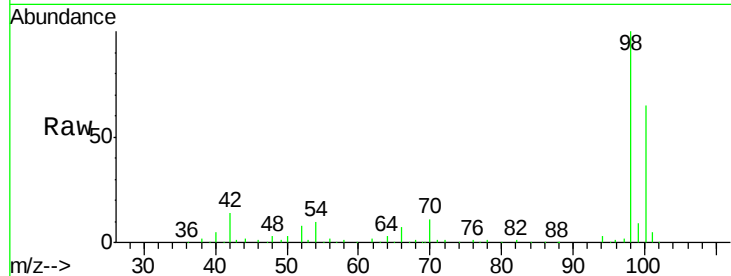
BP-MW180-SOIL-584-588

Tot Ion: 43 Resp: 1407

Ion Ratio Lower Upper

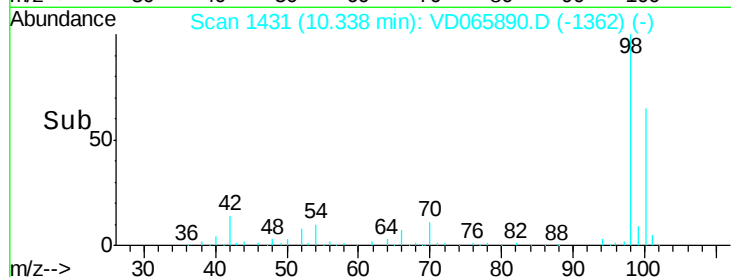
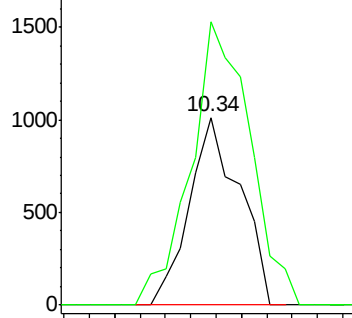
43 100

58 177.1 29.5 44.3#

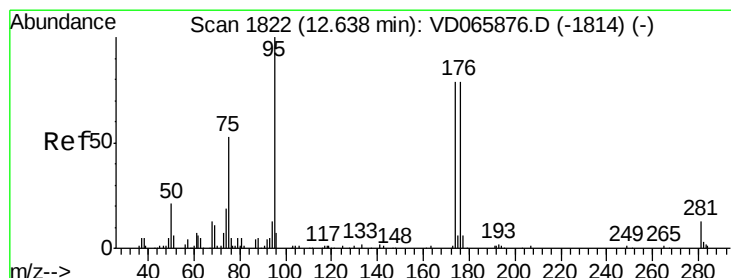


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 44.867 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

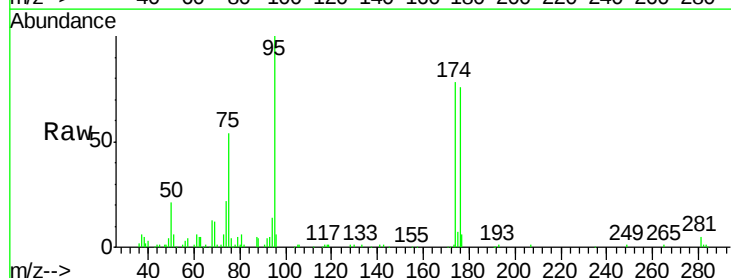
Tgt Ion: 95 Resp: 88966

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.4

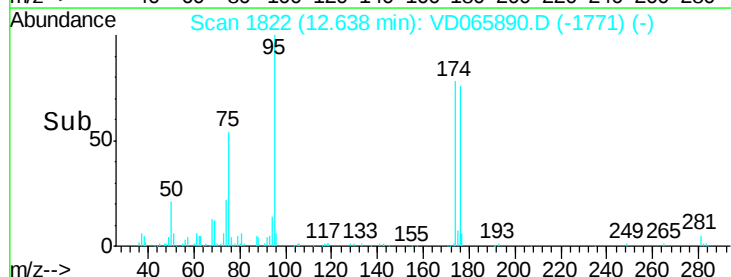
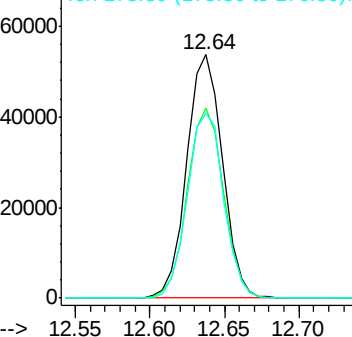
176 77.4 0.0 156.0



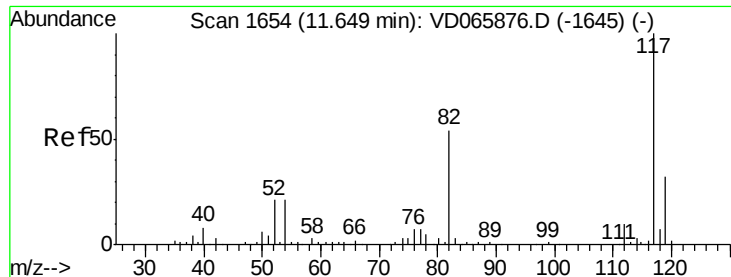
Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



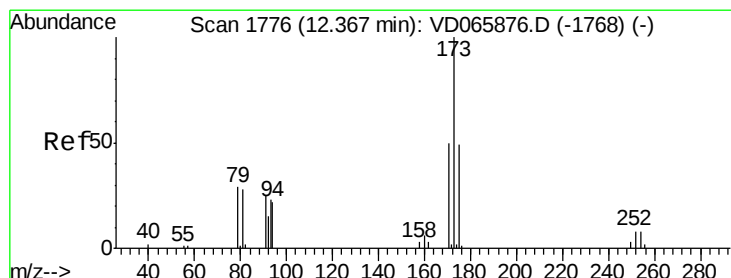
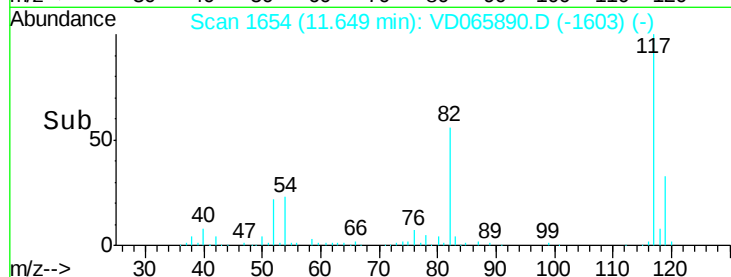
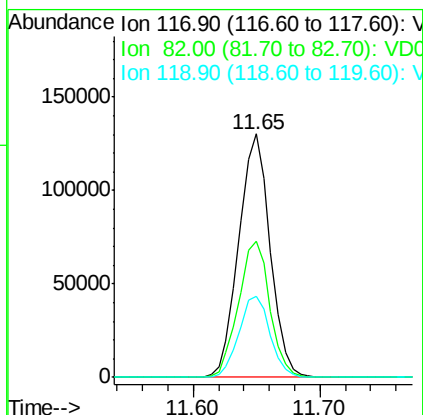
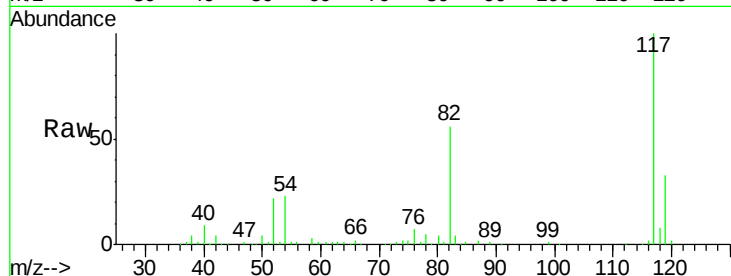
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065890.D
Acq: 29 Jun 2020 16:56

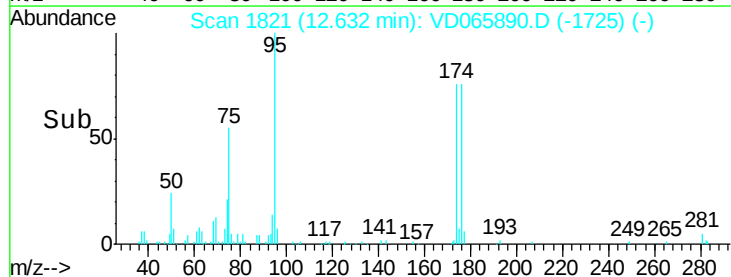
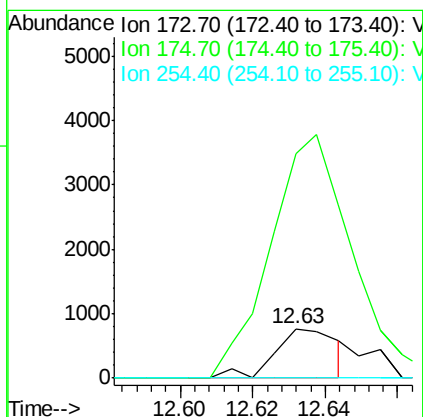
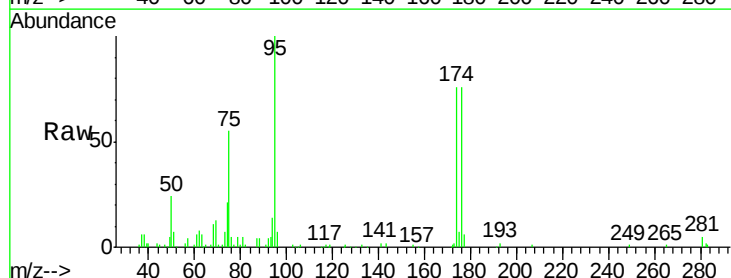
Instrument :
MSVOA_D
ClientSampleId :
BP-MW180-SOIL-584-588

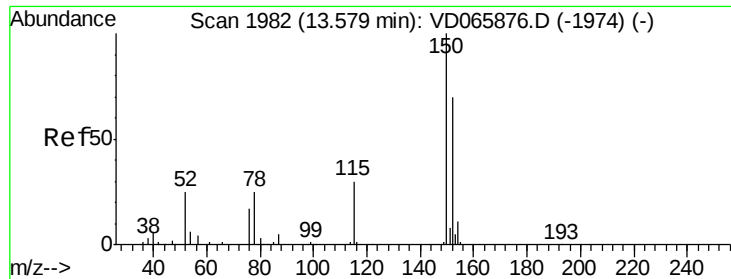
Tot Ion:117 Resp: 223412
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 33.3 25.9 38.9



#71
Bromoform
Concen: 1.057 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD065890.D
Acq: 29 Jun 2020 16:56

Tgt Ion:173 Resp: 927
Ion Ratio Lower Upper
173 100
175 523.5 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-584-588

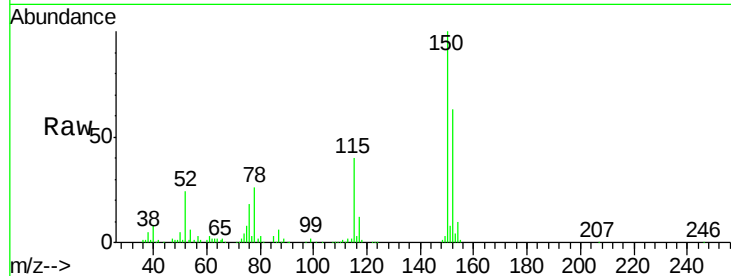
Tot Ion:152 Resp: 99724

Ion Ratio Lower Upper

152 100

115 60.6 29.7 89.1

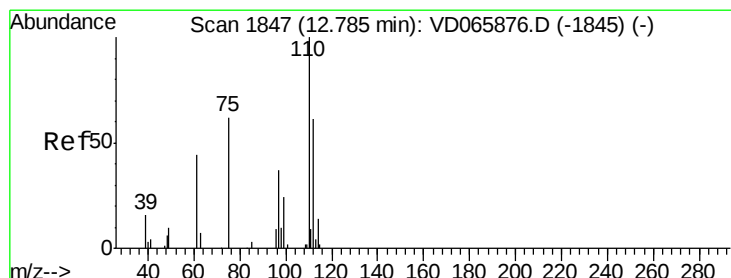
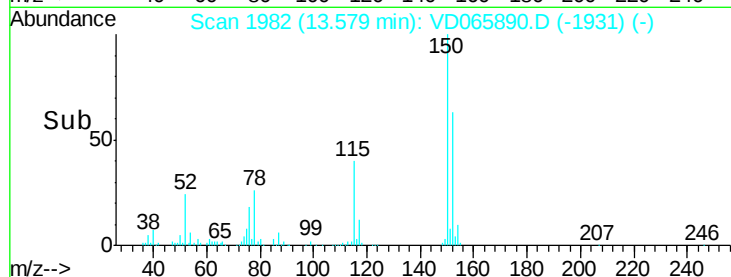
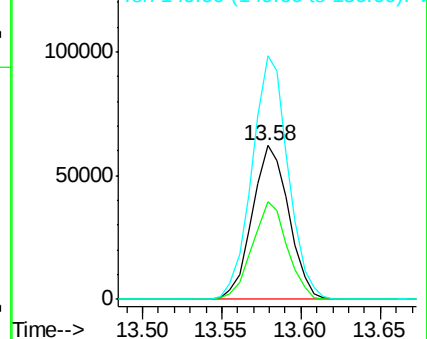
150 156.2 0.0 346.2



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



#76

1,2,3-Trichloropropane

Concen: 55.706 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065890.D

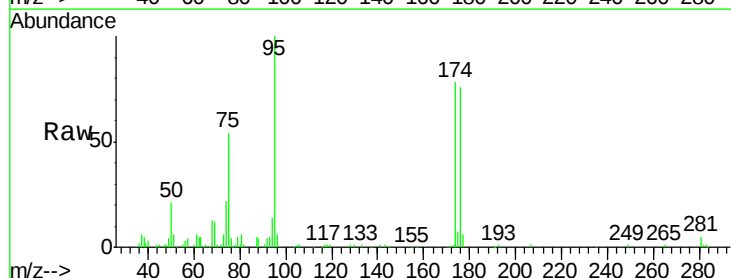
Acq: 29 Jun 2020 16:56

Tgt Ion: 75 Resp: 48609

Ion Ratio Lower Upper

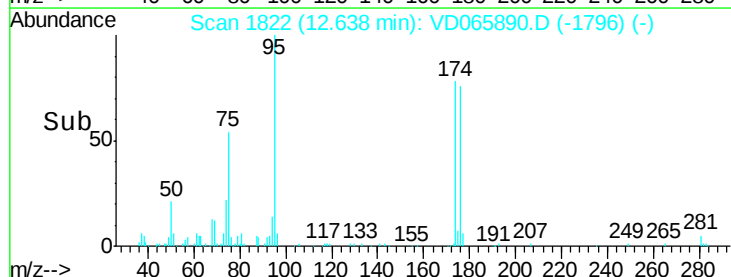
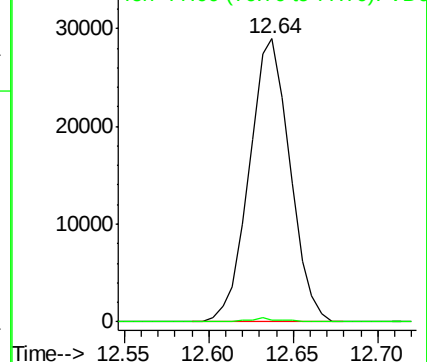
75 100

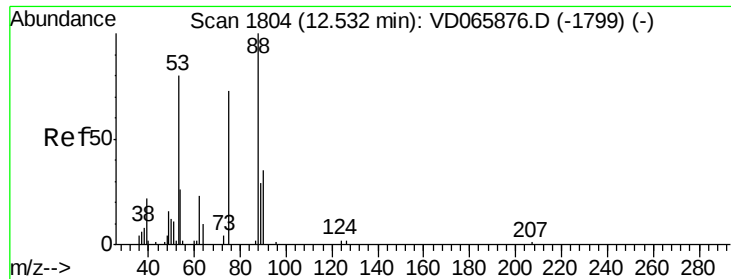
77 1.0 168.5 505.5#



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: 119.675 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065890.D

Acq: 29 Jun 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

BP-MW180-SOIL-584-588

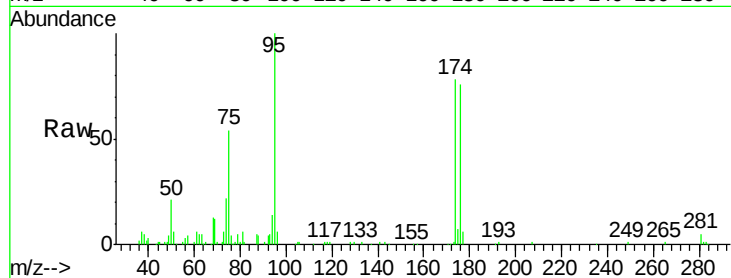
Tot Ion: 75 Resp: 48609

Ion Ratio Lower Upper

75 100

53 0.0 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

