

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015746.D
 Acq On : 26 Jun 2020 15:00
 Operator : SY/VA
 Sample : L3136-03
 Misc : 7.91G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-MW180-SOIL-574-578

Quant Time: Jun 27 01:51:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	292053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	274679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124374	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	104627	53.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.16%	
35) Dibromofluoromethane	7.88	113	90946	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	
50) Toluene-d8	10.32	98	363424	50.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	124493	46.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.52%	

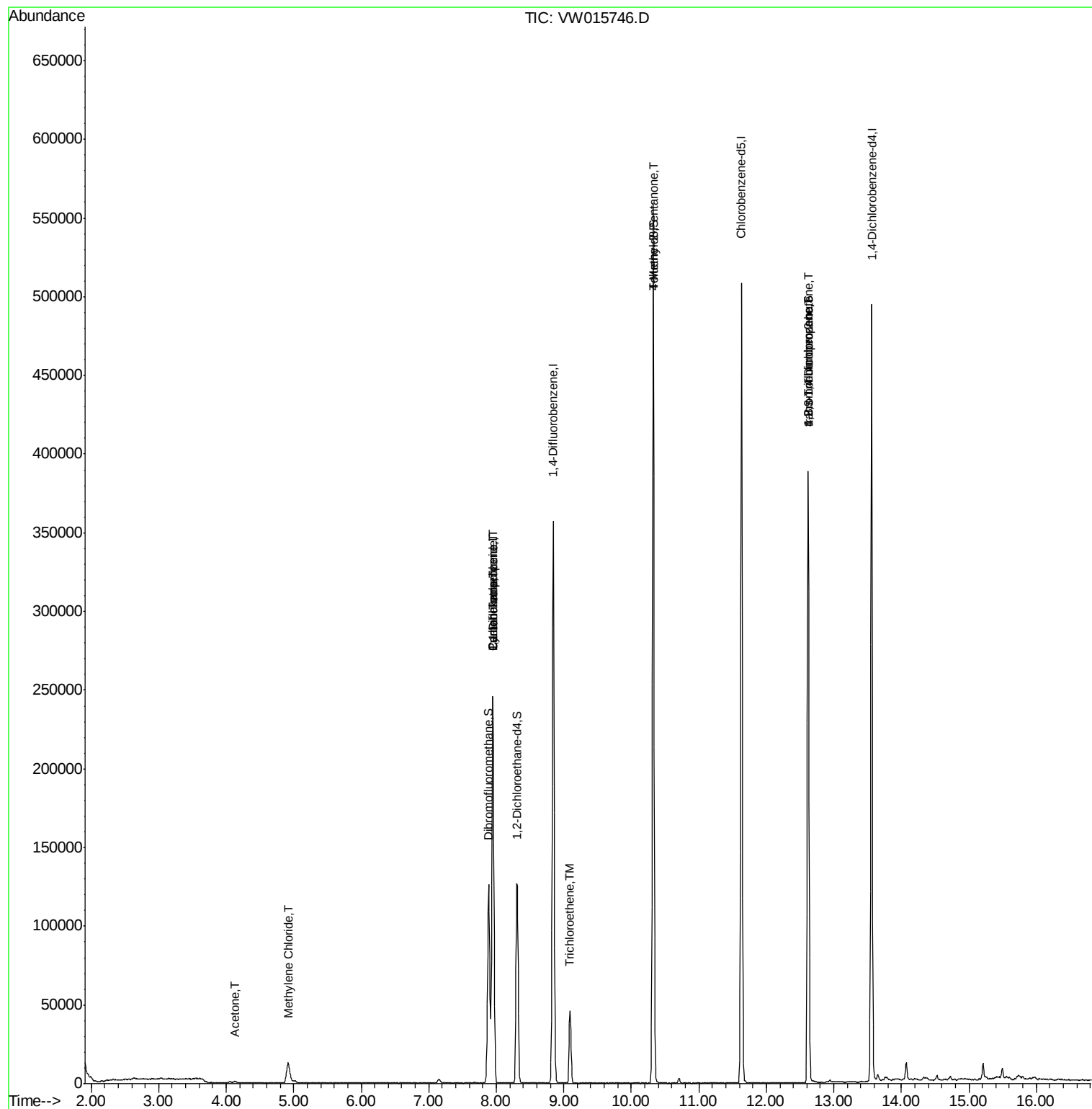
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	2365	6.371	ug/l	100
18) Methyl Acetate	4.68	43	651	Below Cal	#	52
20) Methylene Chloride	4.92	84	10991	1.674	ug/l	98
31) Cyclohexane	7.95	56	4319	1.284	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	14806	4.874	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17314	5.880	ug/l #	18
44) Trichloroethene	9.09	130	15654	7.031	ug/l	96
51) 4-Methyl-2-Pentanone	10.32	43	1815	1.626	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67787	59.752	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	67787	150.576	ug/l #	8

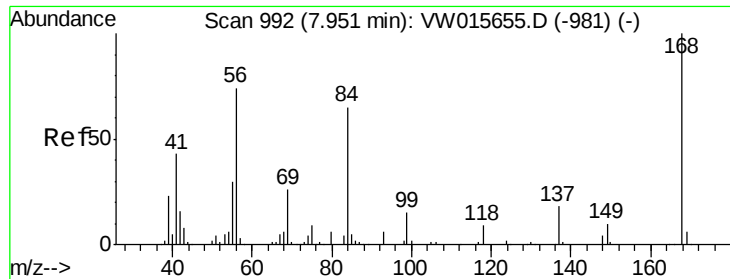
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 27 01:51:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

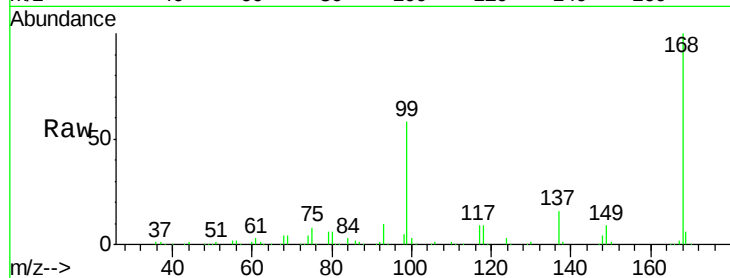
BP-MW180-SOIL-574-578

Tot Ion:168 Resp: 175499

Ion Ratio Lower Upper

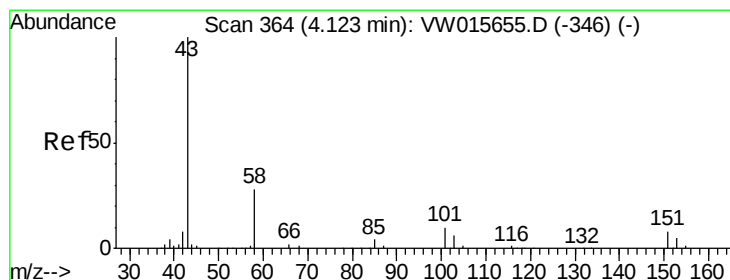
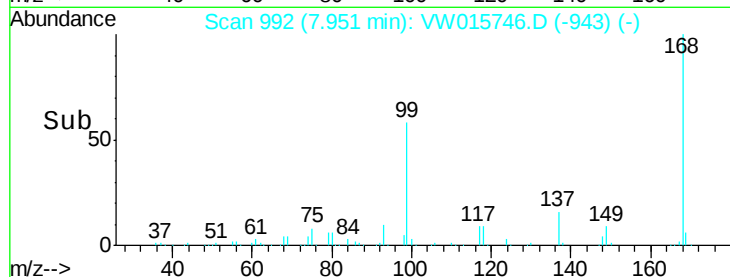
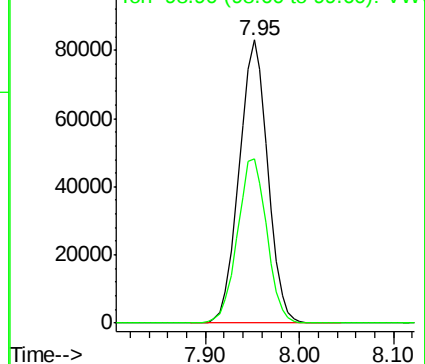
168 100

99 58.0 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 6.371 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015746.D

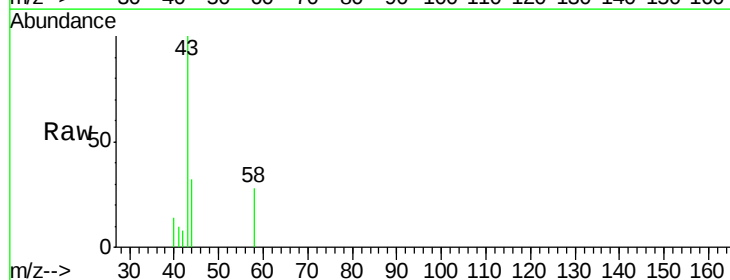
Acq: 26 Jun 2020 15:00

Tgt Ion: 43 Resp: 2365

Ion Ratio Lower Upper

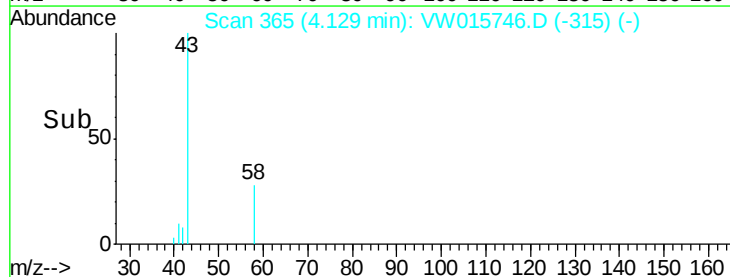
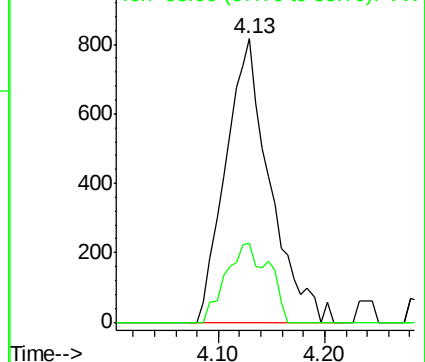
43 100

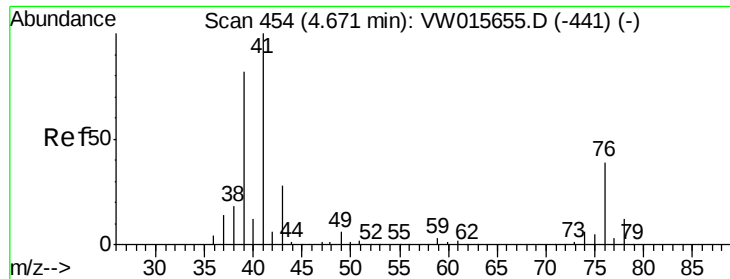
58 27.9 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

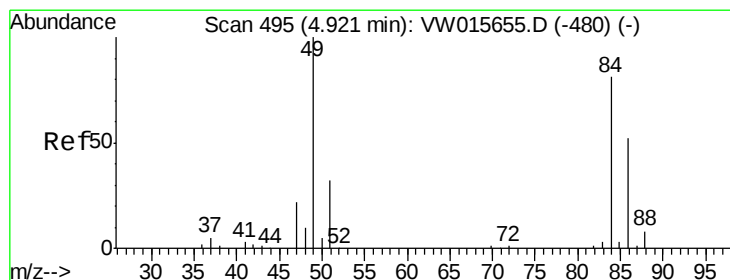
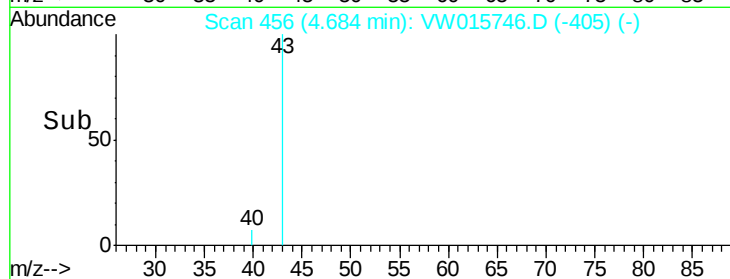
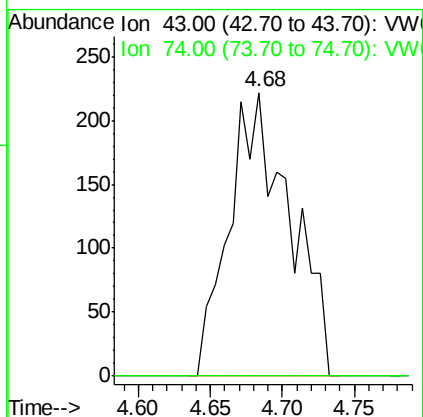
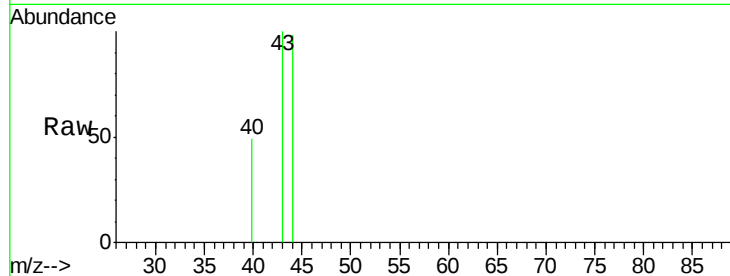




#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015746.D
Acq: 26 Jun 2020 15:00

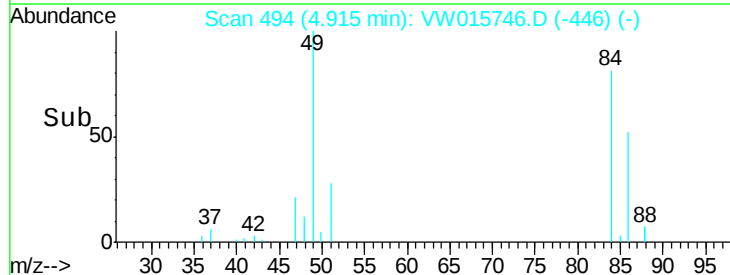
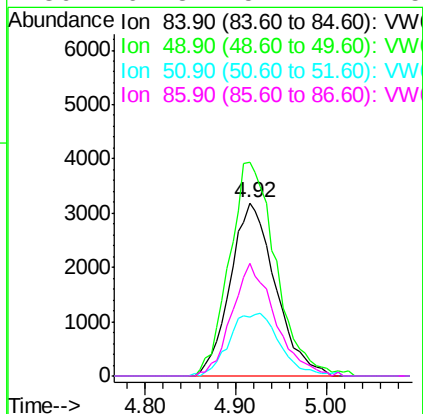
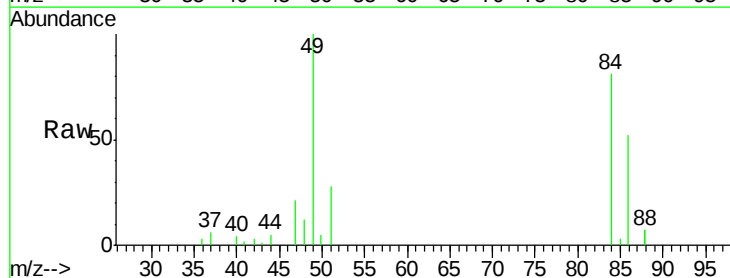
Instrument :
MSVOA_W
ClientSampleId :
BP-MW180-SOIL-574-578

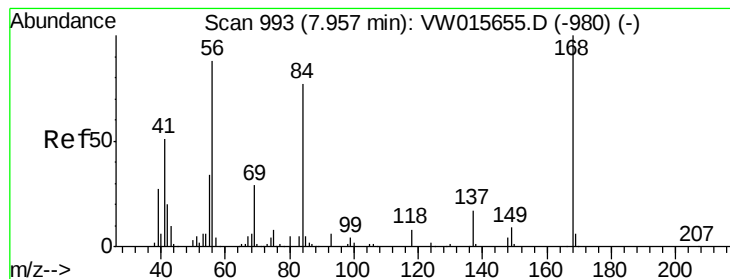
Tot Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 1.674 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015746.D
Acq: 26 Jun 2020 15:00

Tgt Ion: 84 Resp: 10991
Ion Ratio Lower Upper
84 100
49 123.5 99.3 148.9
51 34.4 31.8 47.6
86 64.8 51.7 77.5





#31

Cvclohexane

Concen: 1.284 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

BP-MW180-SOIL-574-578

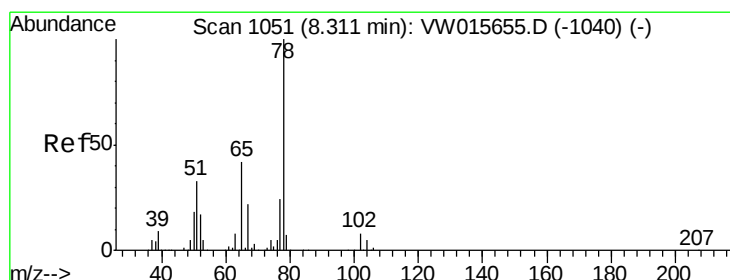
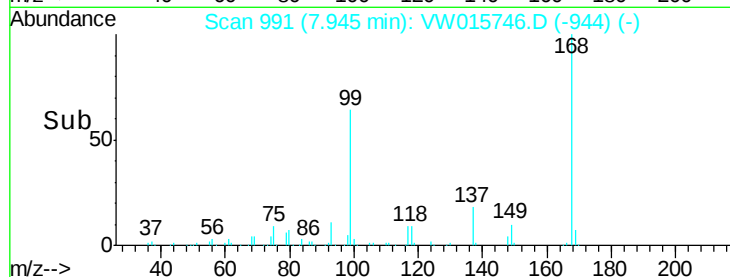
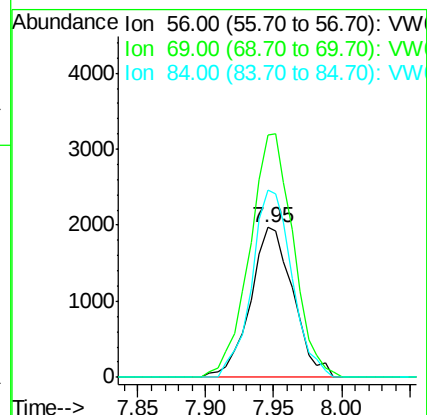
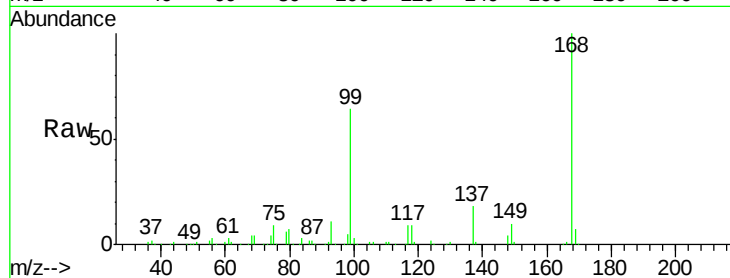
Tot Ion: 56 Resp: 4319

Ion Ratio Lower Upper

56 100

69 162.0 26.2 39.4#

84 124.8 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 53.582 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015746.D

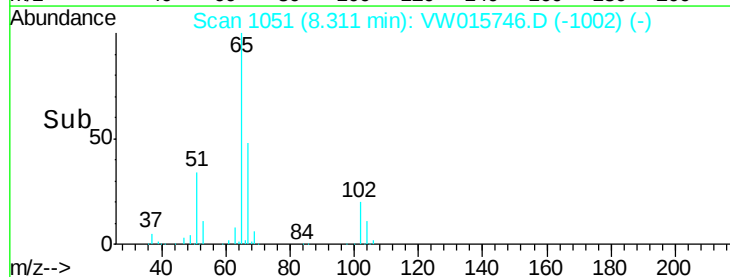
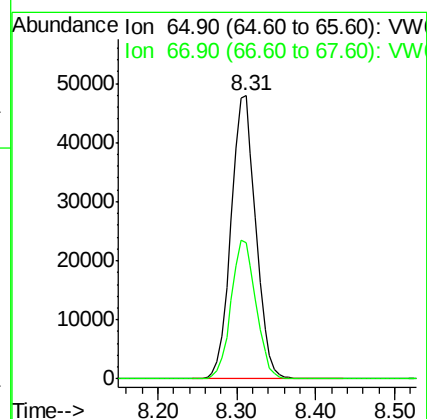
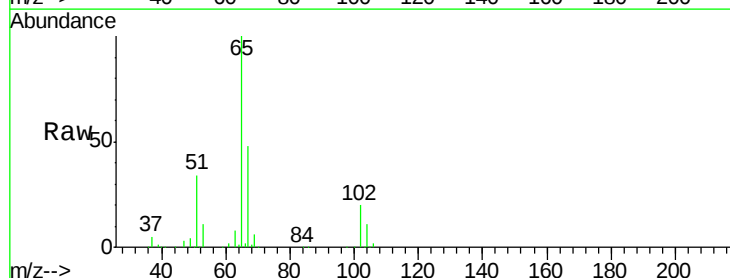
Acq: 26 Jun 2020 15:00

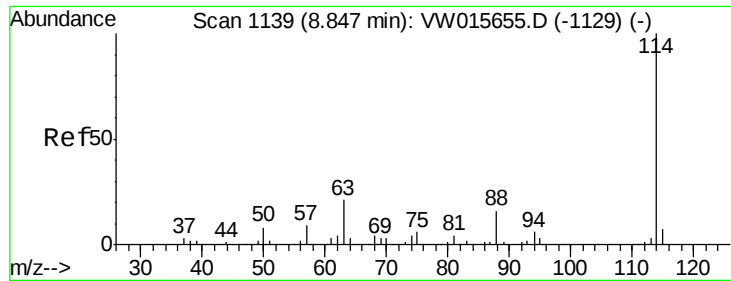
Tgt Ion: 65 Resp: 104627

Ion Ratio Lower Upper

65 100

67 49.2 0.0 102.2

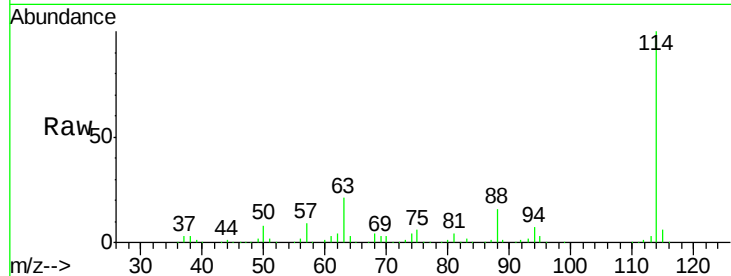




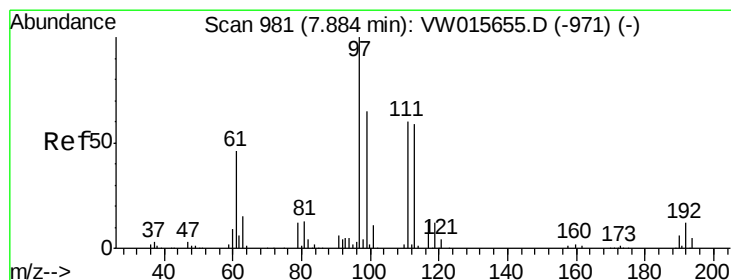
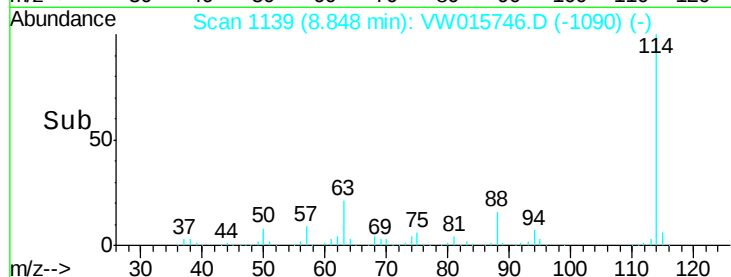
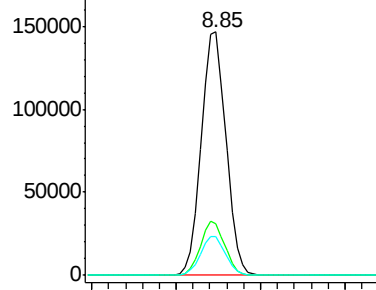
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW015746.D
Acq: 26 Jun 2020 15:00

Instrument :
MSVOA_W
ClientSampleId :
BP-MW180-SOIL-574-578

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	16.0	0.0	32.6

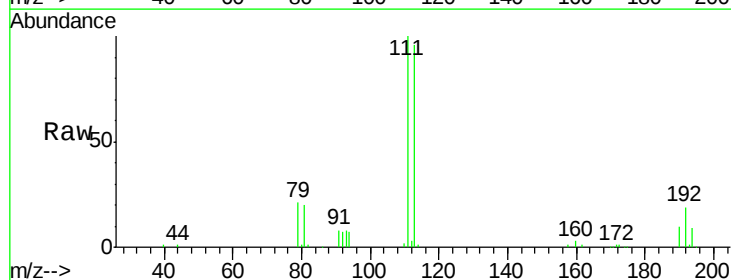


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

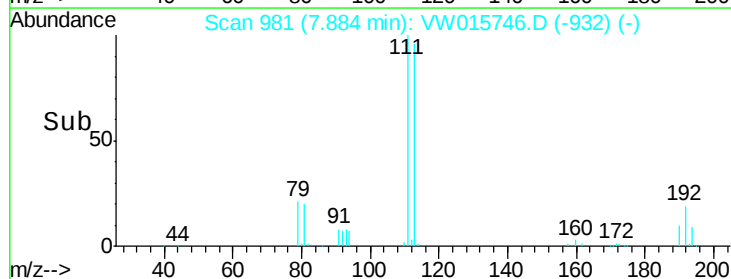
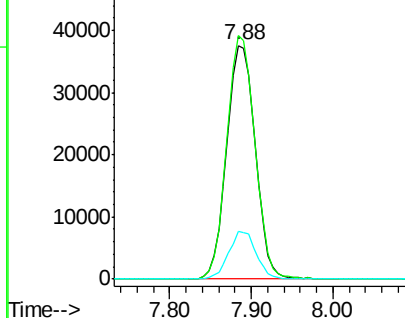


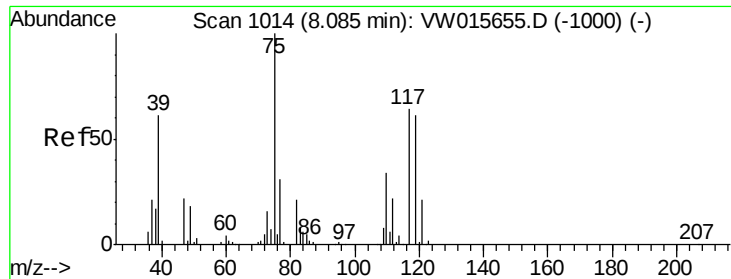
#35
Dibromofluoromethane
Concen: 49.505 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015746.D
Acq: 26 Jun 2020 15:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.3	123.5
192	19.4	16.4	24.6



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: 4.874 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

BP-MW180-SOIL-574-578

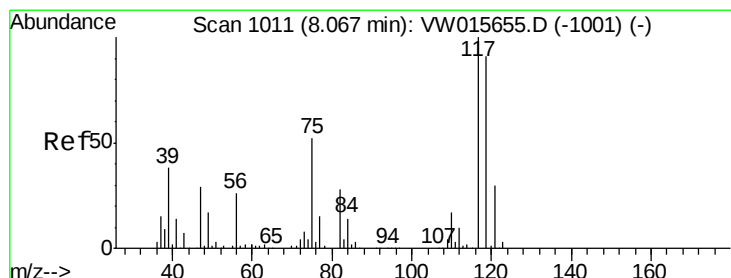
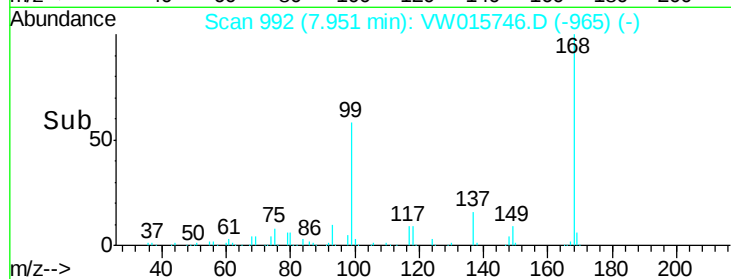
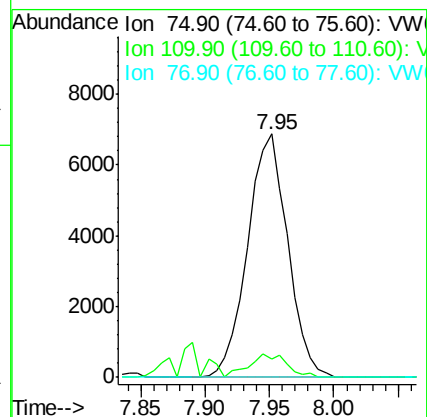
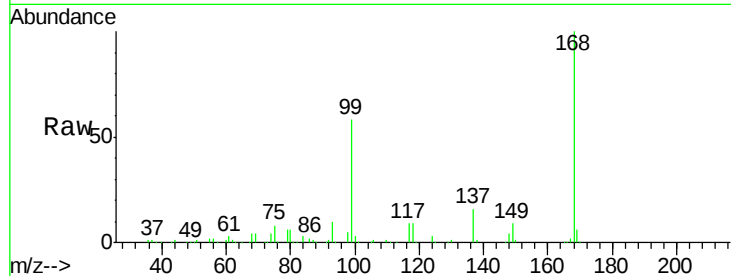
Tot Ion: 75 Resp: 14806

Ion Ratio Lower Upper

75 100

110 9.1 17.0 51.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.880 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

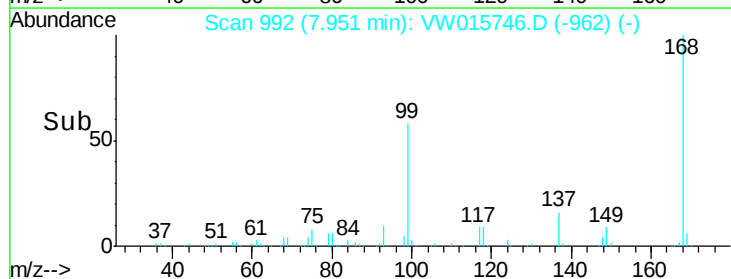
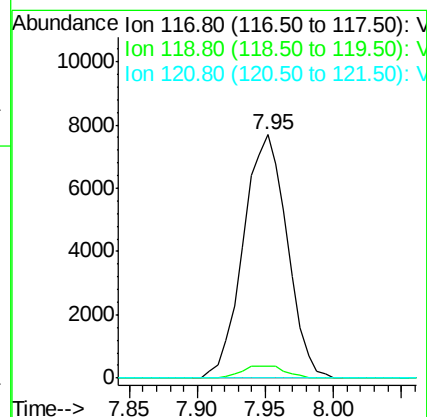
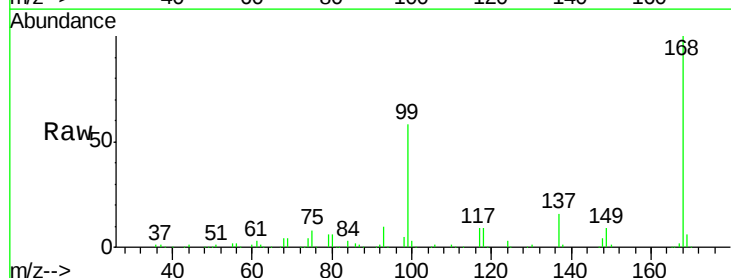
Tgt Ion: 117 Resp: 17314

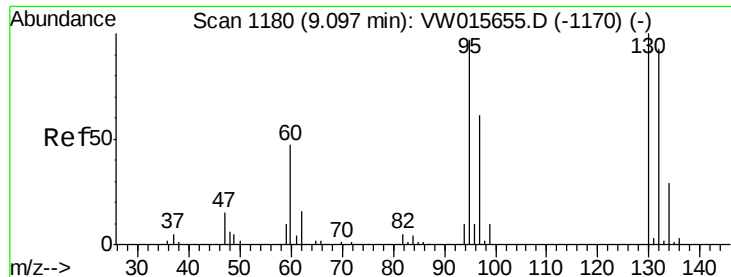
Ion Ratio Lower Upper

117 100

119 4.7 73.2 109.8#

121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 7.031 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

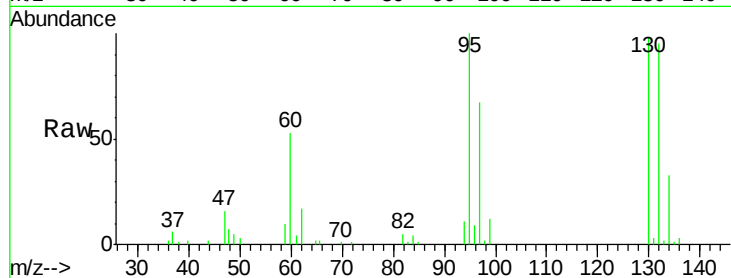
BP-MW180-SOIL-574-578

Tot Ion:130 Resp: 15654

Ion Ratio Lower Upper

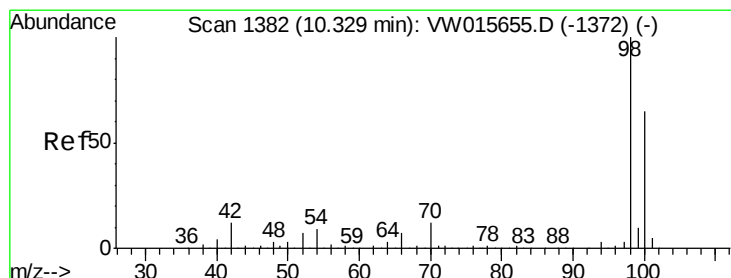
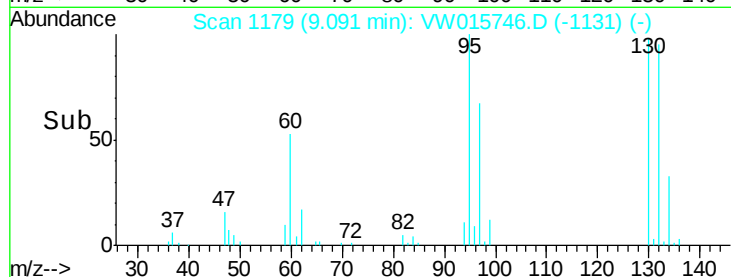
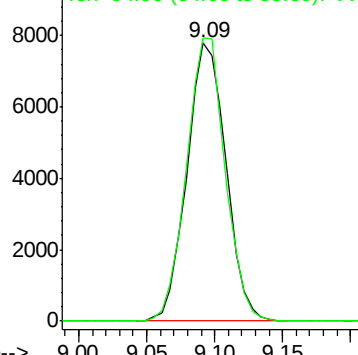
130 100

95 101.6 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 50.268 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015746.D

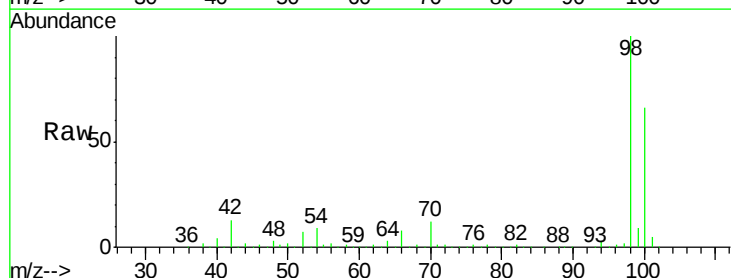
Acq: 26 Jun 2020 15:00

Tgt Ion: 98 Resp: 363424

Ion Ratio Lower Upper

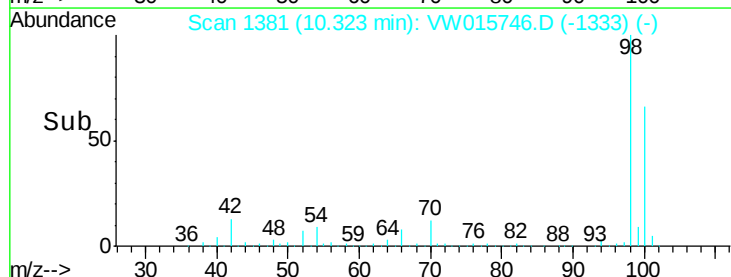
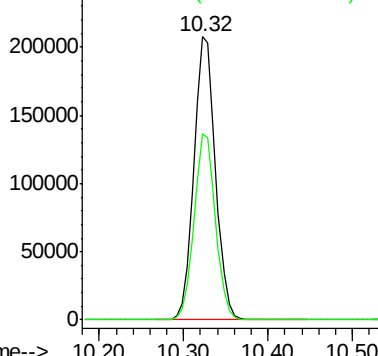
98 100

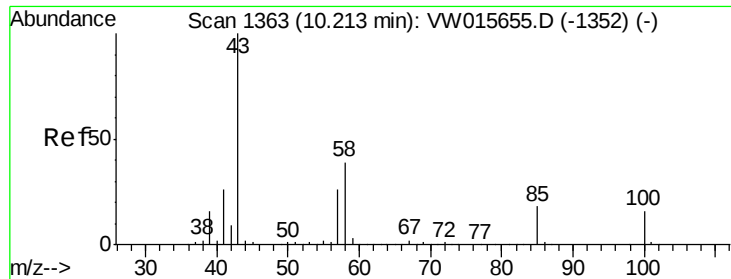
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.626 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Instrument :

MSVOA_W

ClientSampleID :

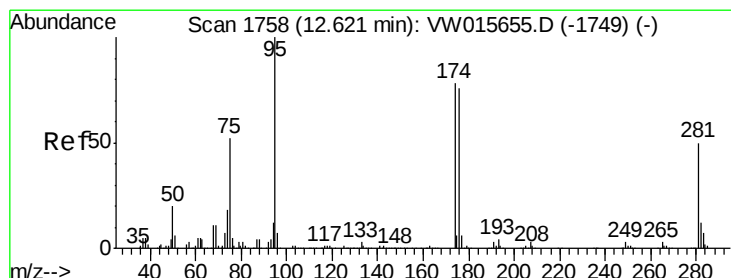
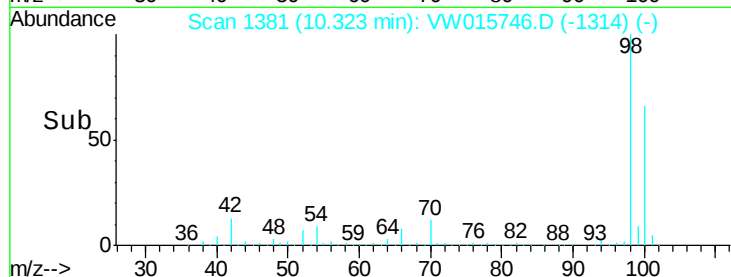
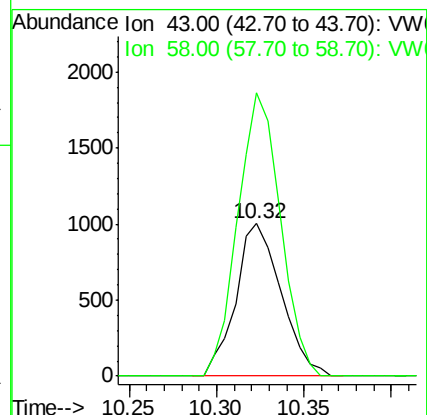
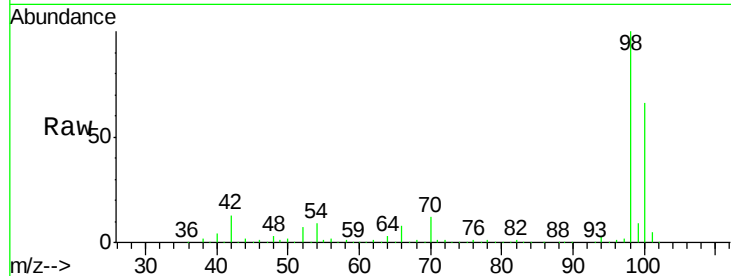
BP-MW180-SOIL-574-578

Tot Ion: 43 Resp: 1815

Ion Ratio Lower Upper

43 100

58 173.7 31.2 46.8#



#62

4-Bromofluorobenzene

Concen: 46.758 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

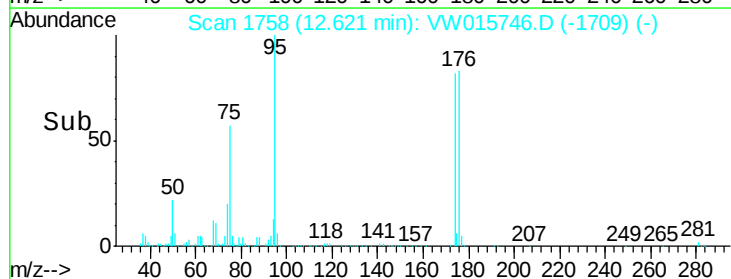
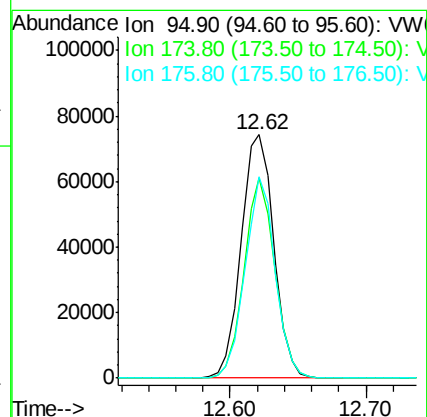
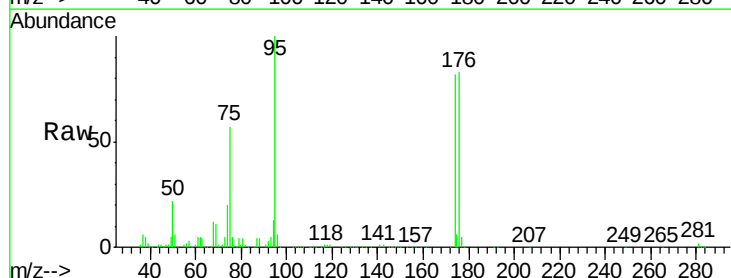
Tgt Ion: 95 Resp: 124493

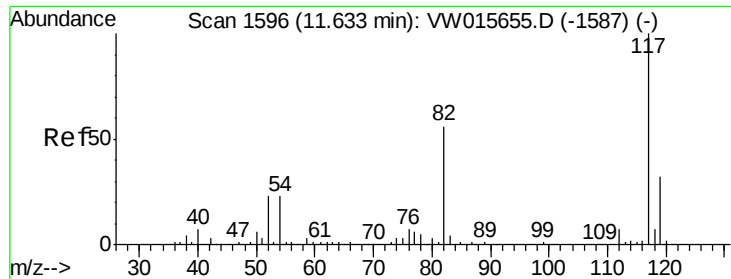
Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.0

176 76.5 0.0 151.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

BP-MW180-SOIL-574-578

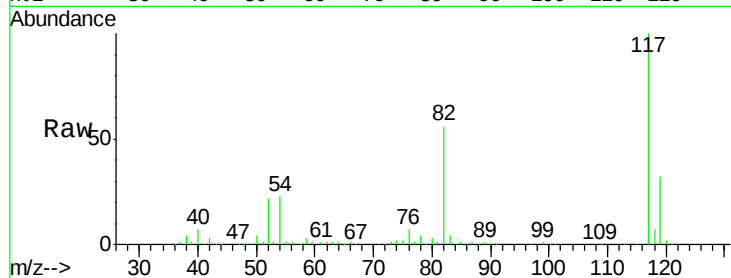
Tot Ion:117 Resp: 274679

Ion Ratio Lower Upper

117 100

82 56.1 45.1 67.7

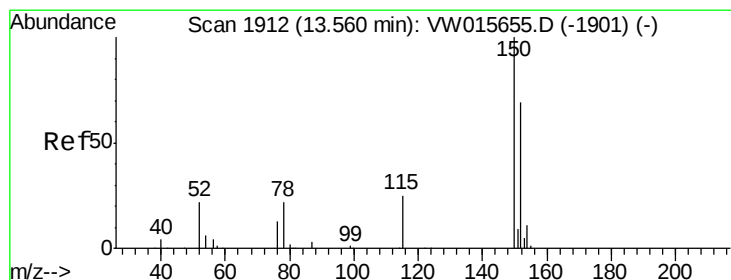
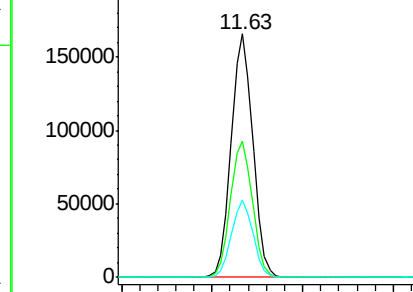
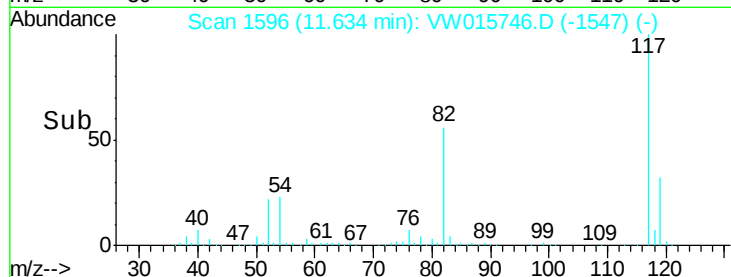
119 31.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

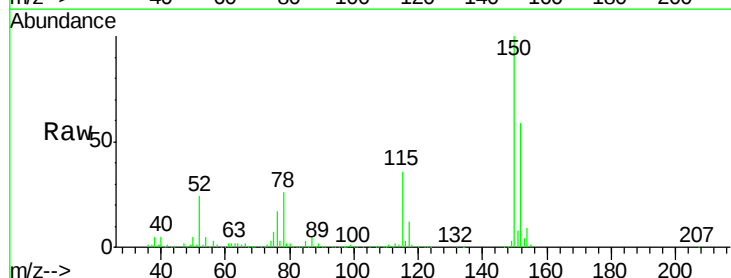
Tgt Ion:152 Resp: 124374

Ion Ratio Lower Upper

152 100

115 59.2 30.1 90.5

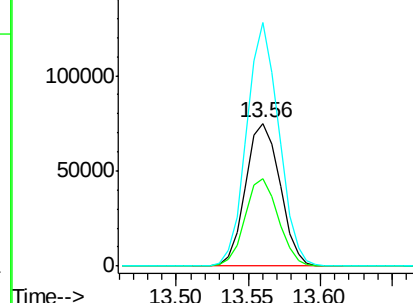
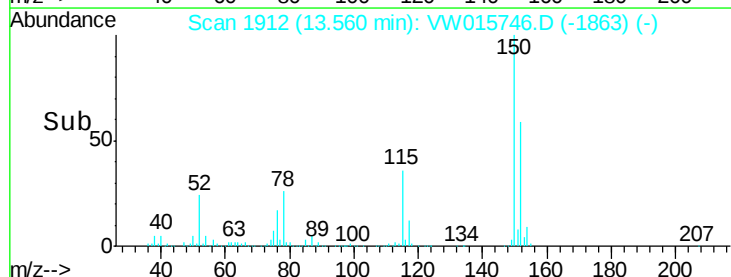
150 159.5 0.0 345.6

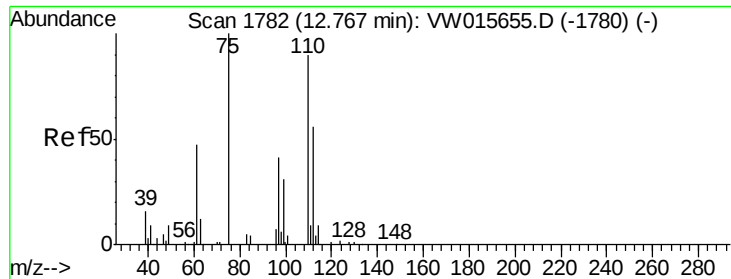


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 59.752 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

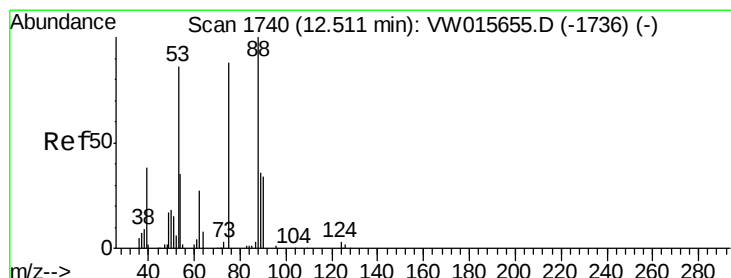
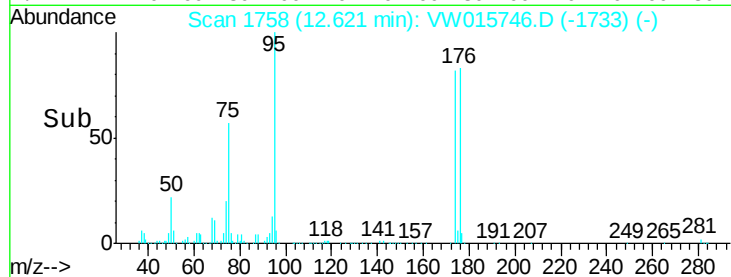
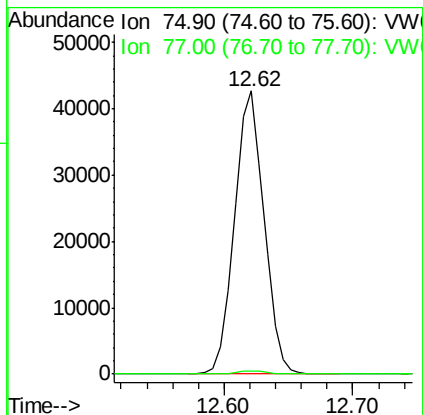
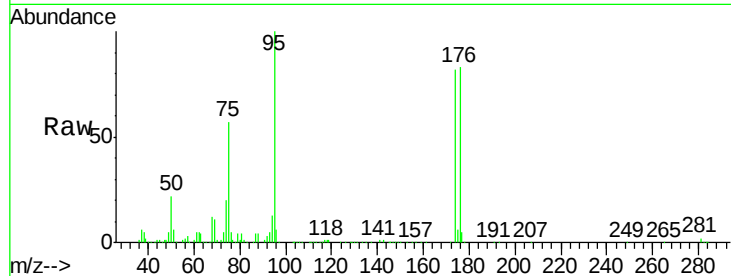
BP-MW180-SOIL-574-578

Tot Ion: 75 Resp: 67787

Ion Ratio Lower Upper

75 100

77 1.1 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.576 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015746.D

Acq: 26 Jun 2020 15:00

Tgt Ion: 75 Resp: 67787

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#

