

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015744.D
 Acq On : 26 Jun 2020 14:07
 Operator : SY/VA
 Sample : L3136-01
 Misc : 8.45G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-MW180-SOIL-570-572

Quant Time: Jun 27 01:50:20 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	173114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	290551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71683	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	115496	59.96	ug/l	0.00
Spiked Amount			Recovery	=	119.92%	
35) Dibromofluoromethane	7.88	113	93349	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.32	98	352054	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.62	95	98691	37.26	ug/l	0.00
Spiked Amount			Recovery	=	74.52%	

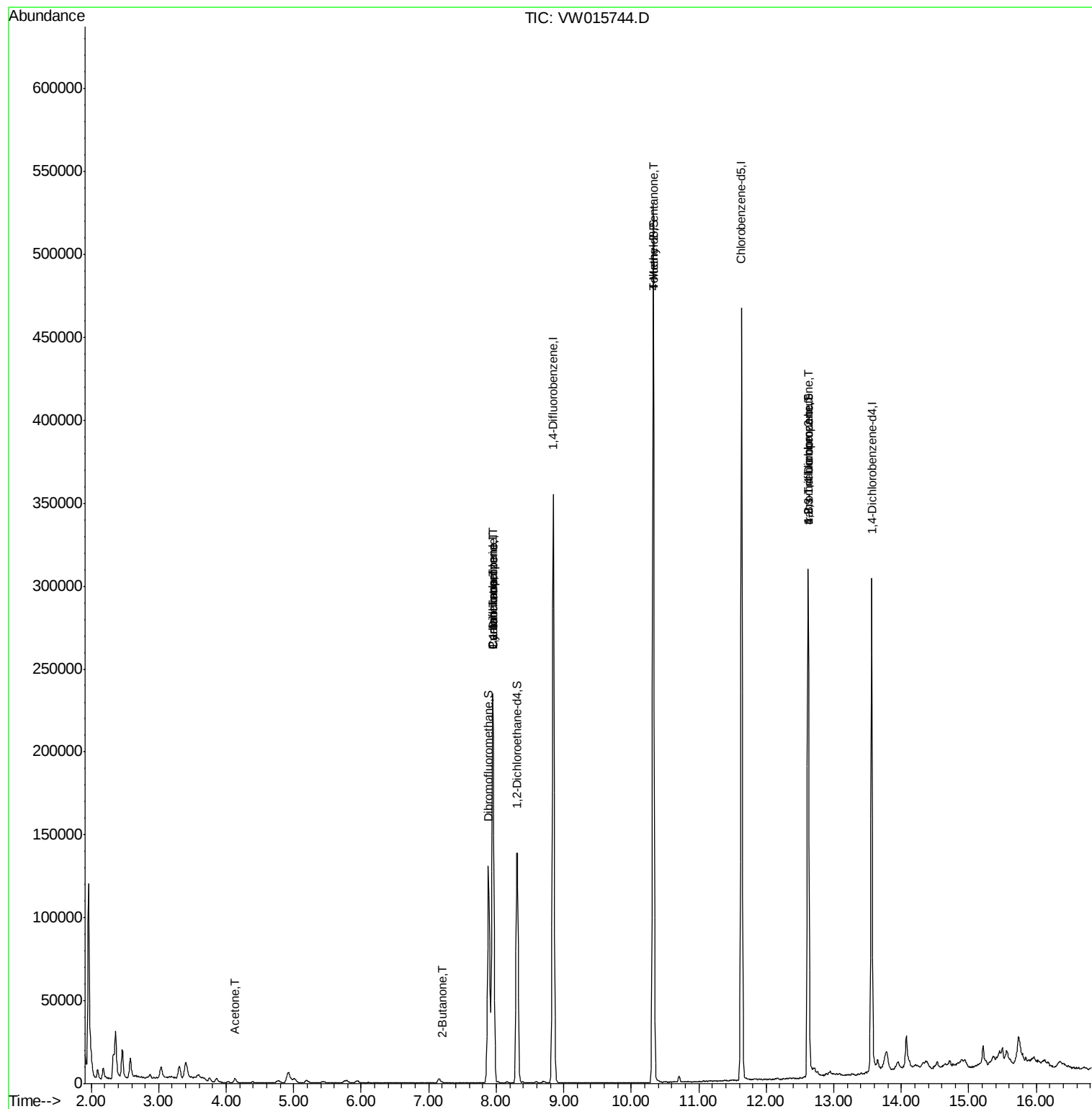
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	3091	Below Cal	#	86
16) Acetone	4.13	43	4707	12.855	ug/l	98
18) Methyl Acetate	4.69	43	661	Below Cal	#	52
20) Methylene Chloride	4.92	84	5350	Below Cal		95
25) 2-Butanone	7.21	43	637	1.287	ug/l #	49
31) Cyclohexane	7.95	56	4498	1.356	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	14309	4.735	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17876	6.102	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	1897	1.708	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	52736	80.654	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52736	203.250	ug/l #	8

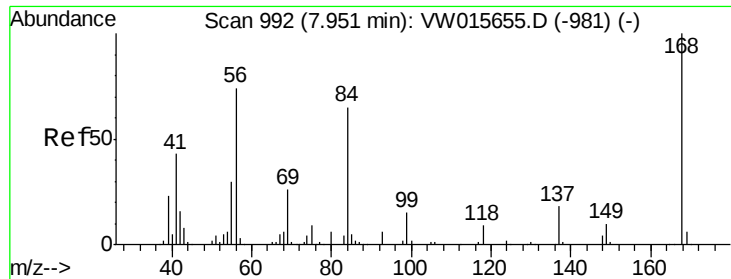
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062620\
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Quant Time: Jun 27 01:50:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
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: VW015744.D

Acq: 26 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

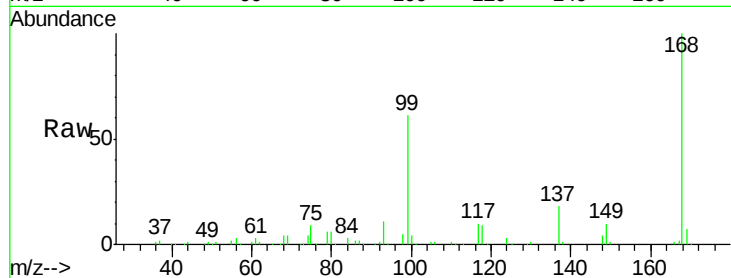
BP-MW180-SOIL-570-572

Tot Ion:168 Resp: 173114

Ion Ratio Lower Upper

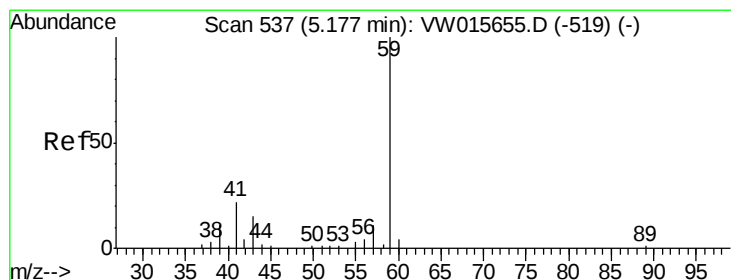
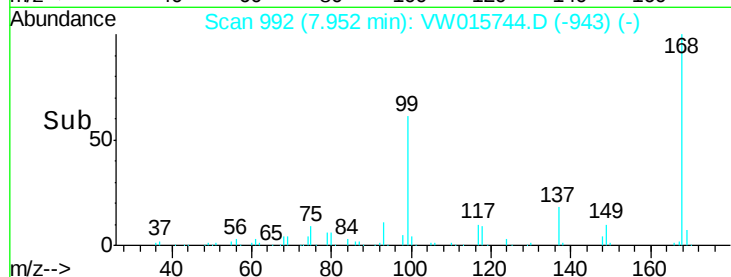
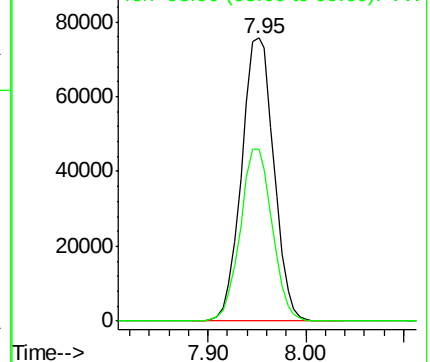
168 100

99 60.9 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW015744.D

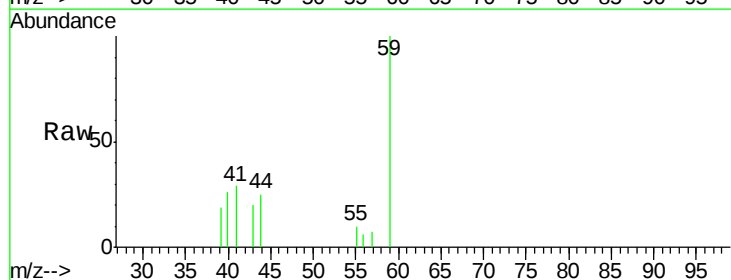
Acq: 26 Jun 2020 14:07

Tgt Ion: 59 Resp: 3091

Ion Ratio Lower Upper

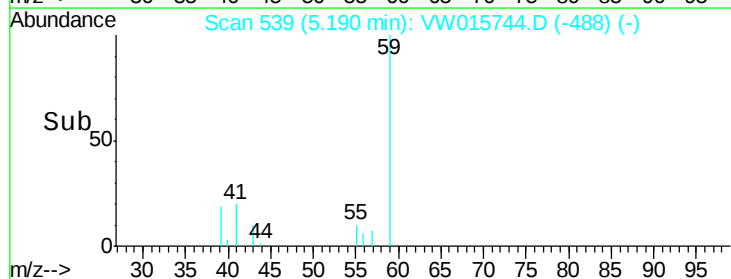
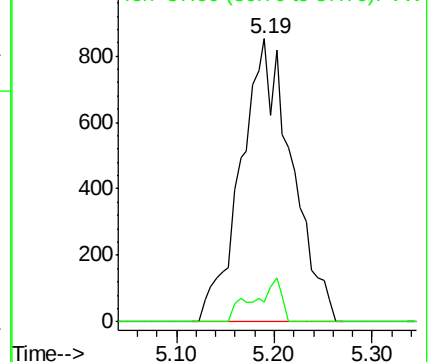
59 100

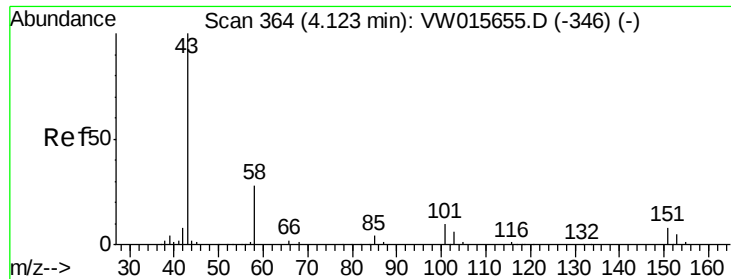
57 5.3 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 12.855 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015744.D

Acq: 26 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

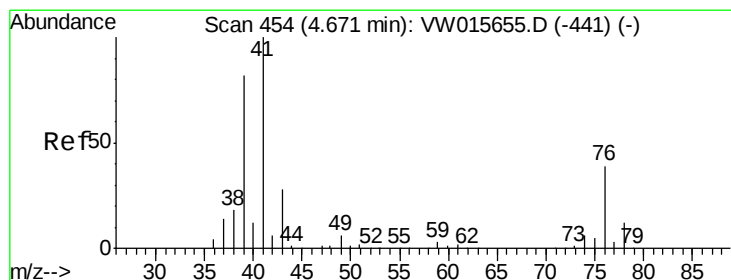
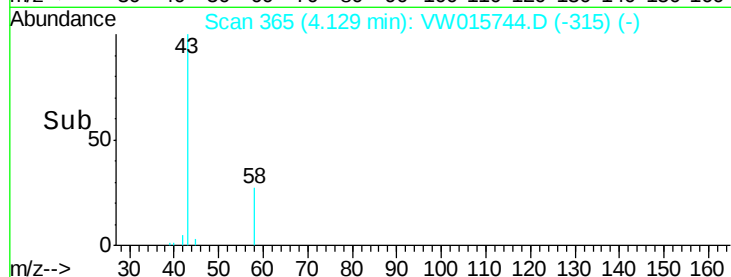
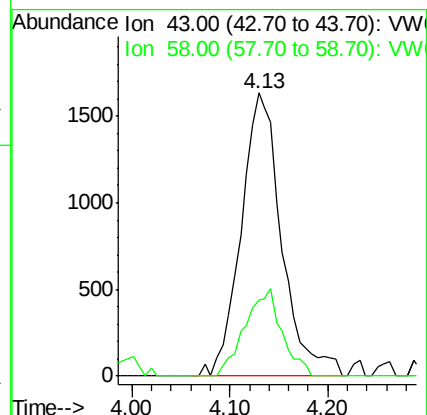
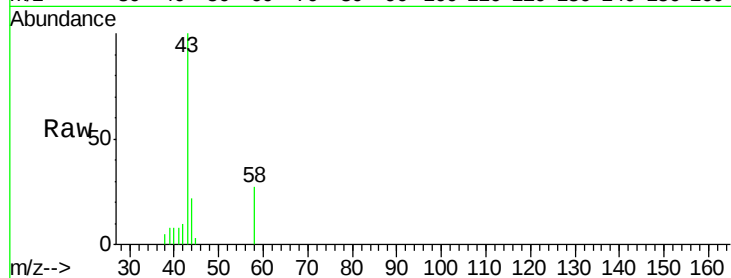
BP-MW180-SOIL-570-572

Tot Ion: 43 Resp: 4707

Ion Ratio Lower Upper

43 100

58 27.0 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW015744.D

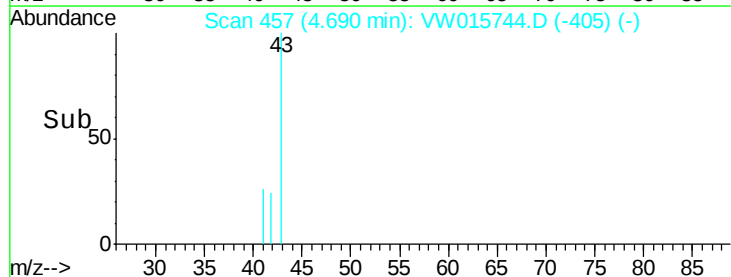
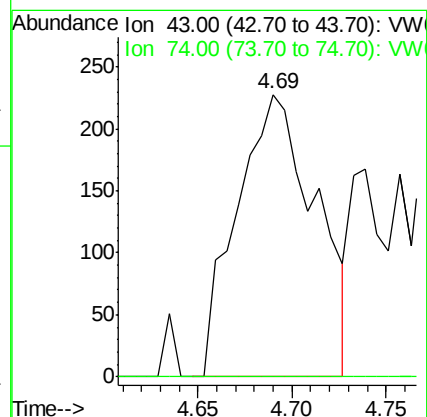
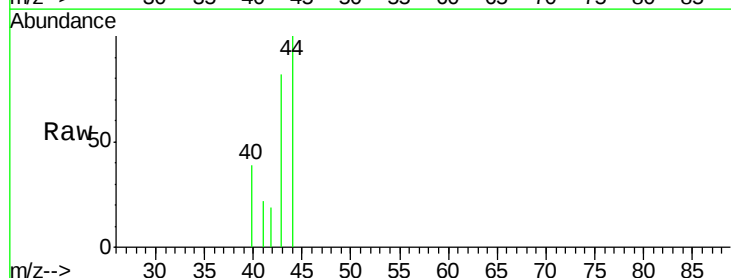
Acq: 26 Jun 2020 14:07

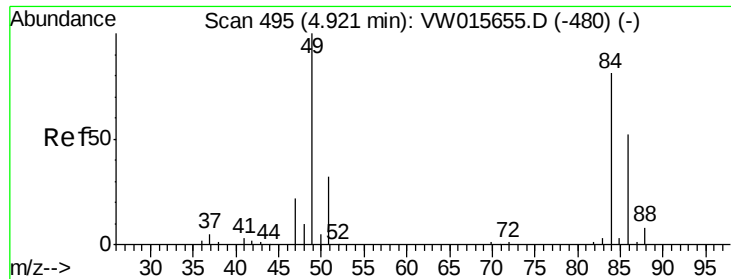
Tgt Ion: 43 Resp: 661

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

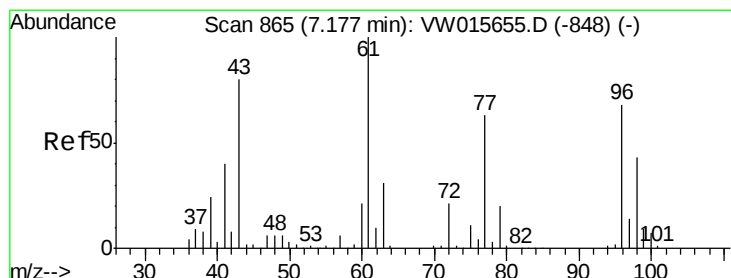
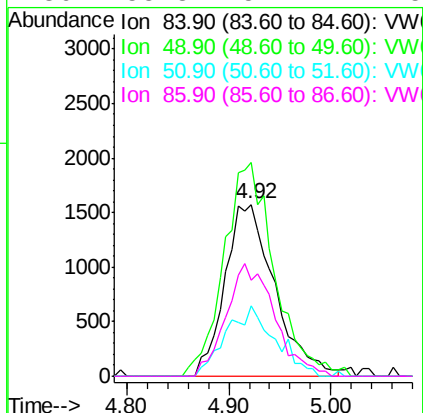
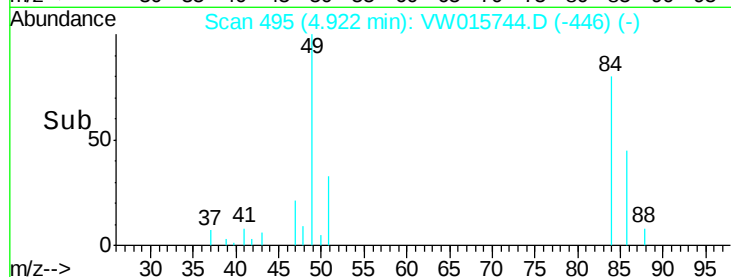
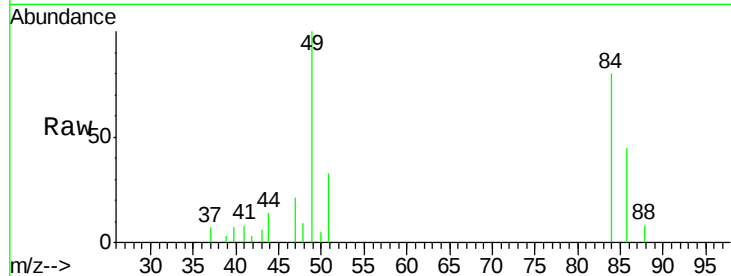




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015744.D
Acq: 26 Jun 2020 14:07

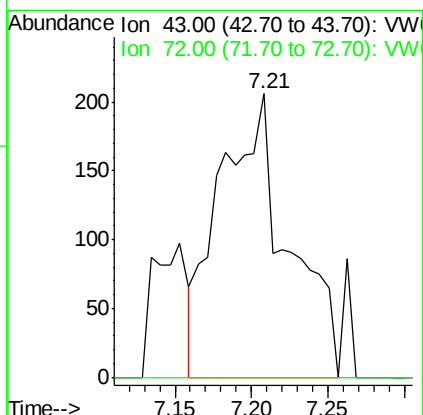
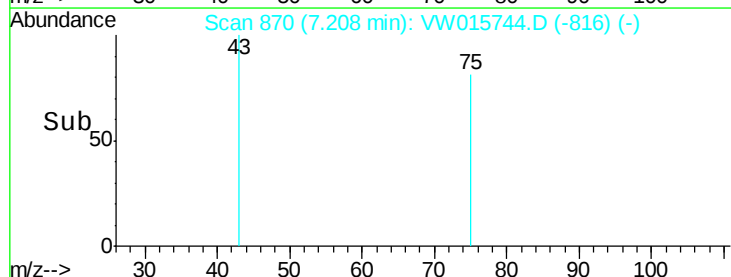
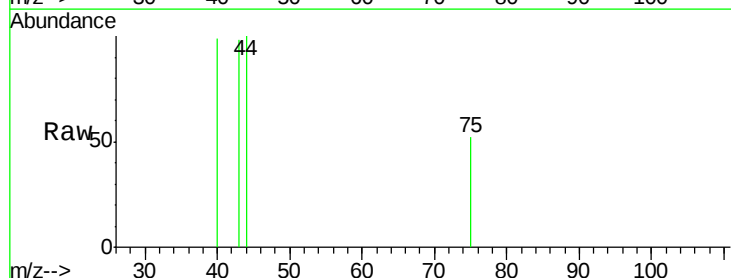
Instrument :
MSVOA_W
ClientSampleId :
BP-MW180-SOIL-570-572

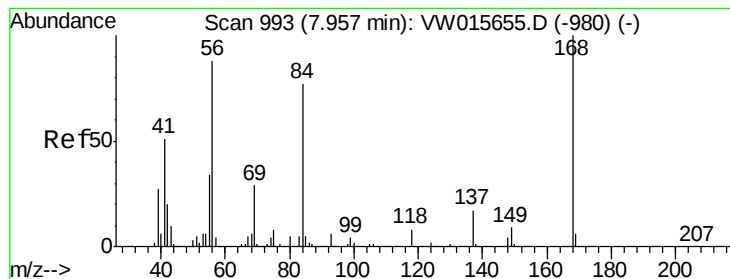
Tot Ion: 84 Resp: 5350
Ion Ratio Lower Upper
84 100
49 120.4 99.3 148.9
51 40.9 31.8 47.6
86 55.8 51.7 77.5



#25
2-Butanone
Concen: 1.287 ug/l
RT: 7.21 min Scan# 870
Delta R.T. 0.03 min
Lab File: VW015744.D
Acq: 26 Jun 2020 14:07

Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015744.D

Acq: 26 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

BP-MW180-SOIL-570-572

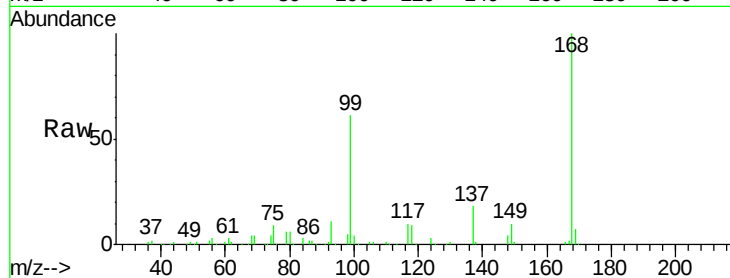
Tot Ion: 56 Resp: 4498

Ion Ratio Lower Upper

56 100

69 159.7 26.2 39.4#

84 119.0 70.4 105.6#

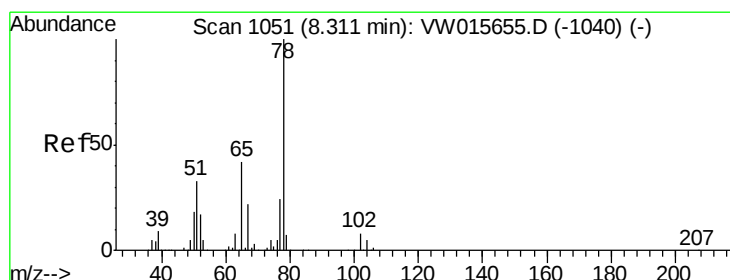
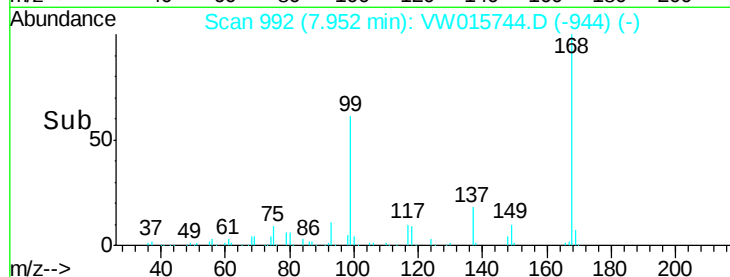
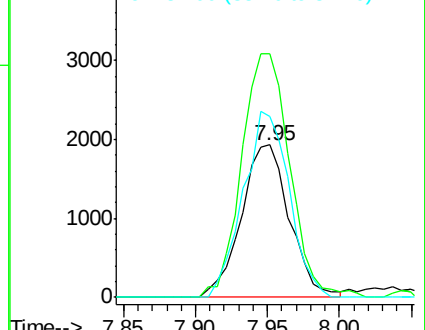


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 59.963 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015744.D

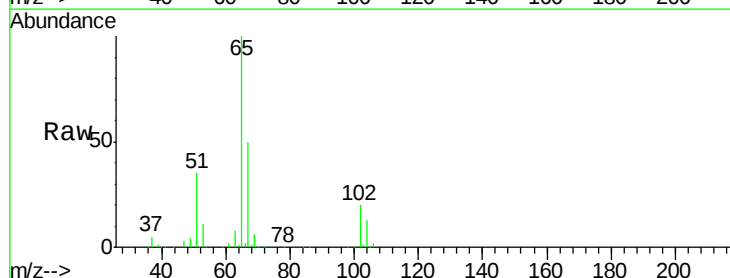
Acq: 26 Jun 2020 14:07

Tgt Ion: 65 Resp: 115496

Ion Ratio Lower Upper

65 100

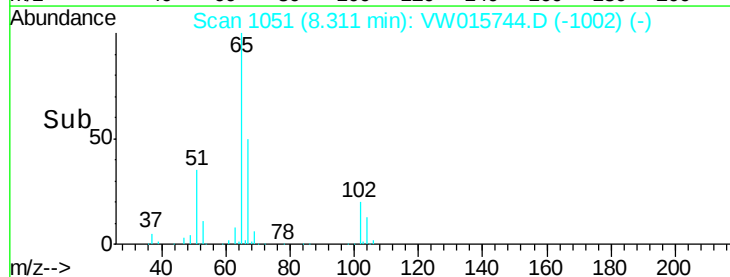
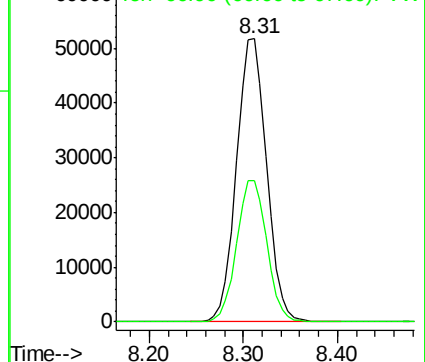
67 50.3 0.0 102.2

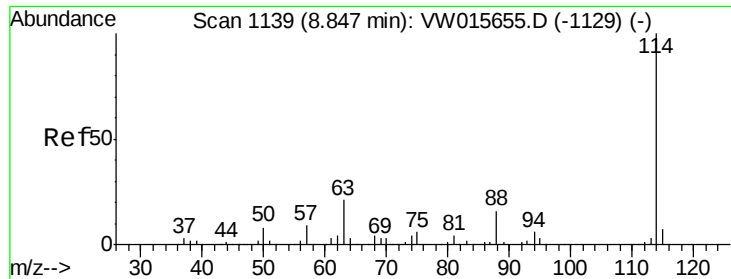


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

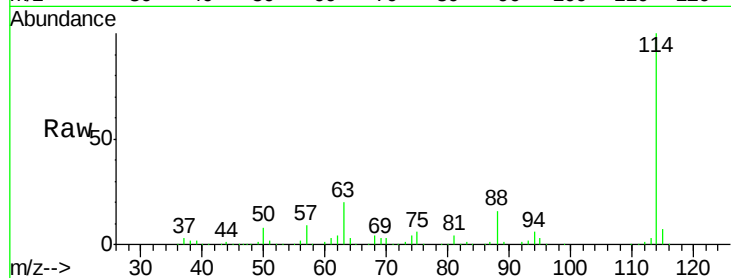




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW015744.D
Acq: 26 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
BP-MW180-SOIL-570-572

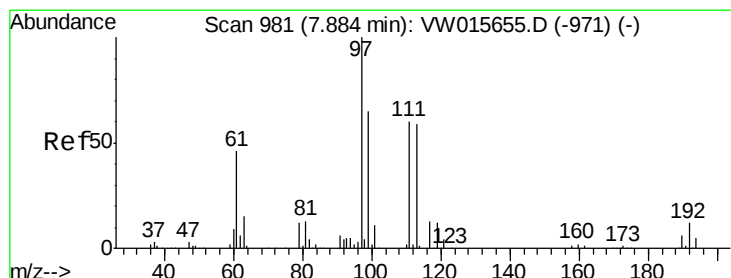
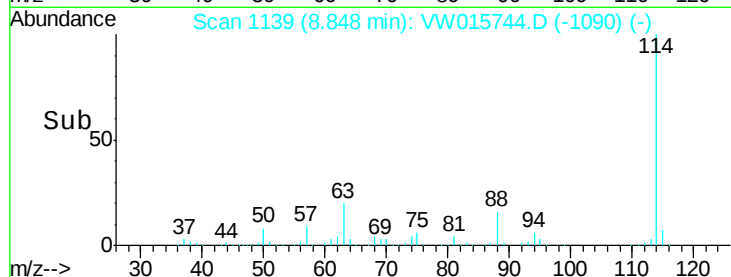
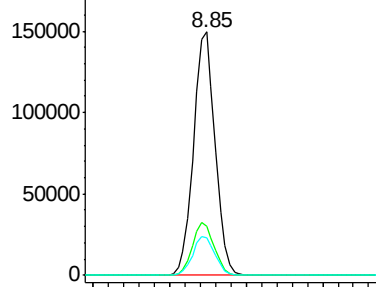
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.4
88	15.6	0.0	32.6



Abundance Ion 113.90 (113.60 to 114.60): V

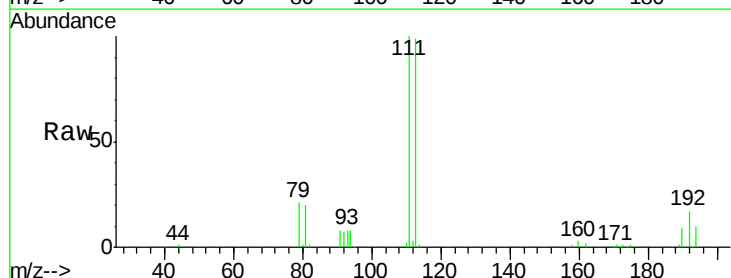
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
Dibromofluoromethane
Concen: 51.076 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015744.D
Acq: 26 Jun 2020 14:07

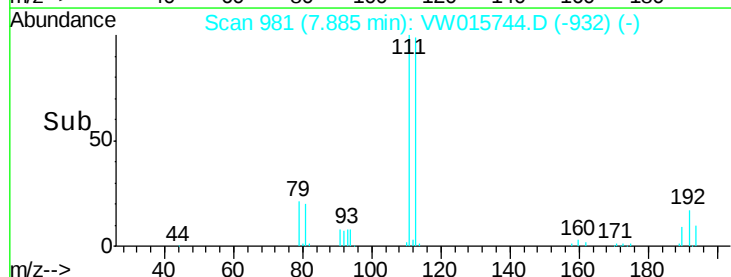
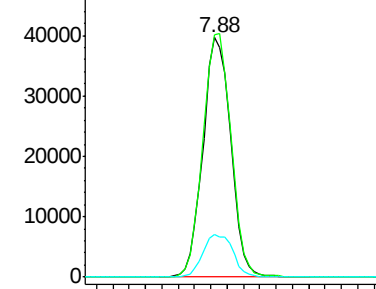
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	19.1	16.4	24.6

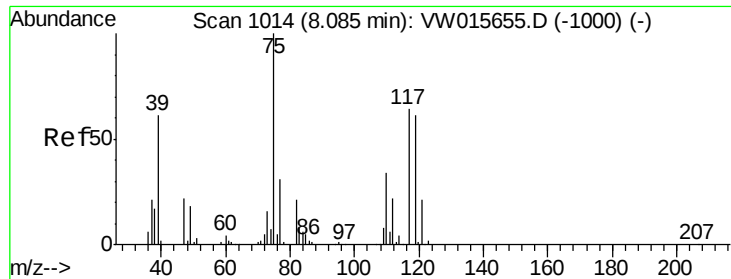


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

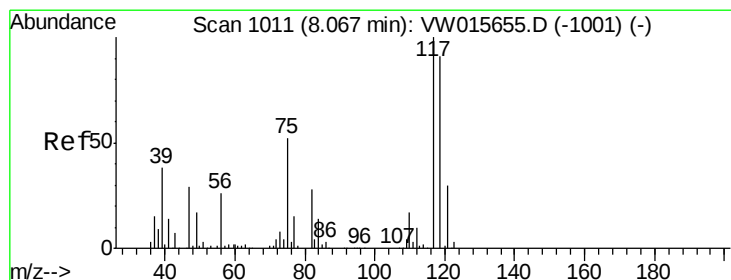
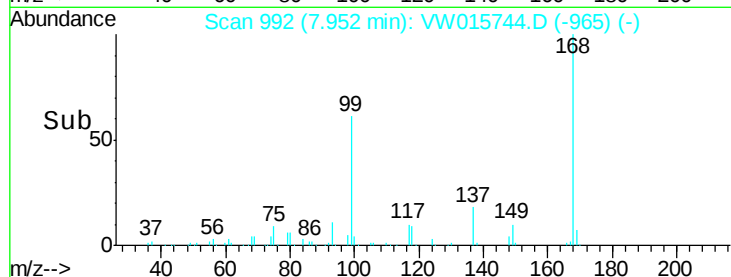
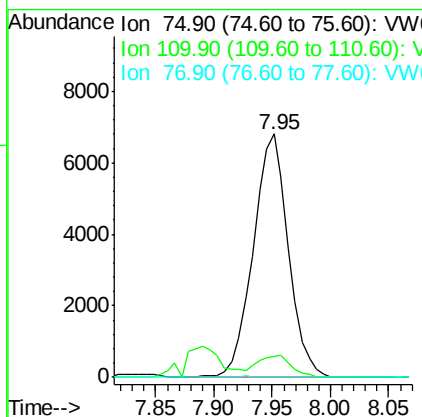
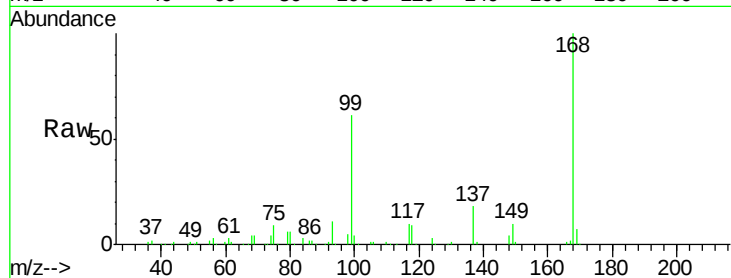




#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015744.D
 Acq: 26 Jun 2020 14:07

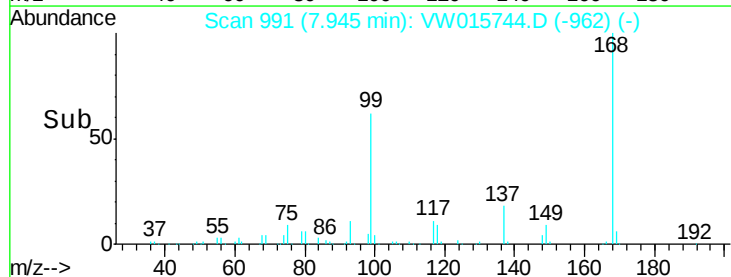
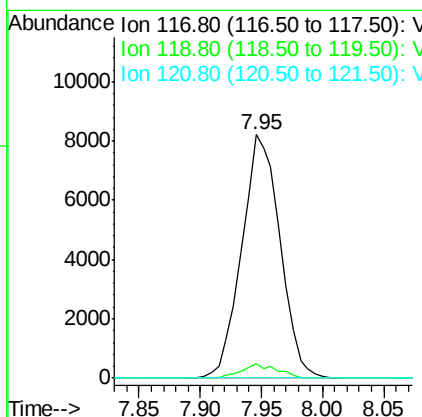
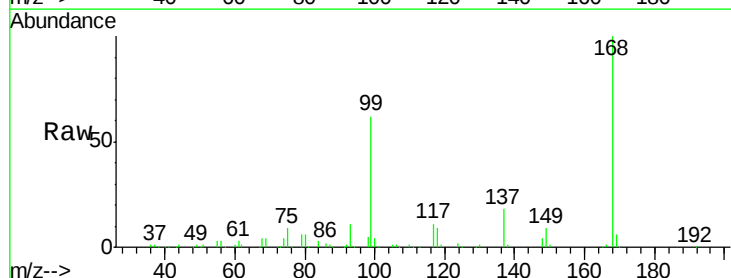
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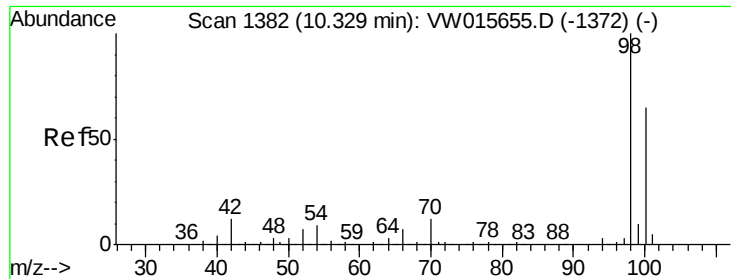
Tot Ion	75	Resp	14309
Ion Ratio	Lower	Upper	
75	100		
110	8.7	17.0	51.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.102 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW015744.D
 Acq: 26 Jun 2020 14:07

Tgt Ion	117	Resp	17876
Ion Ratio	Lower	Upper	
117	100		
119	6.1	73.2	109.8#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 48.947 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015744.D

Acq: 26 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

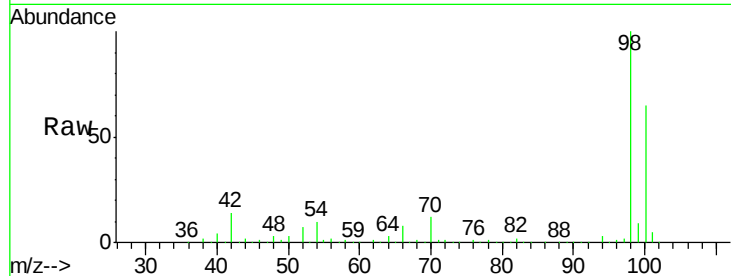
BP-MW180-SOIL-570-572

Tot Ion: 98 Resp: 352054

Ion Ratio Lower Upper

98 100

100 65.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

150000

100000

50000

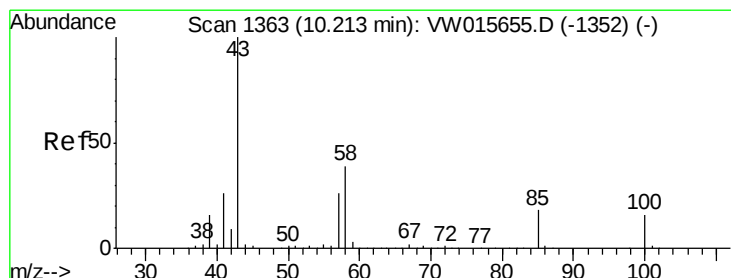
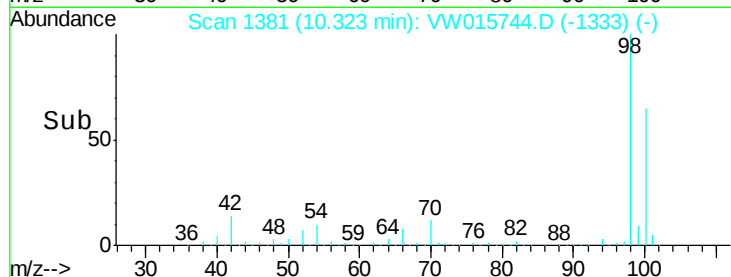
0

10.20

10.30

10.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.708 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015744.D

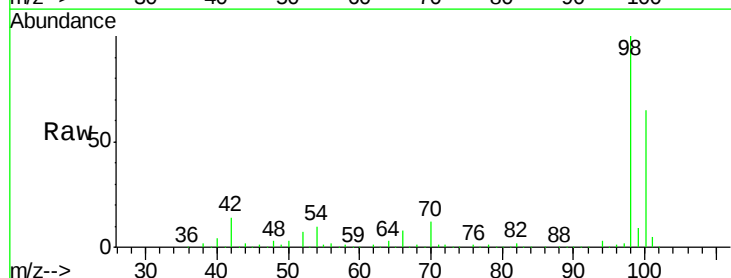
Acq: 26 Jun 2020 14:07

Tgt Ion: 43 Resp: 1897

Ion Ratio Lower Upper

43 100

58 160.7 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2000

1500

1000

500

0

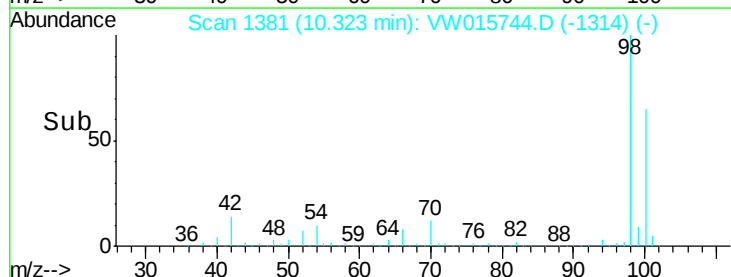
10.25

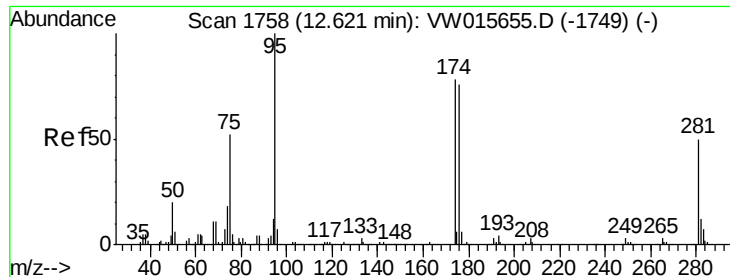
10.30

10.35

10.40

Time-->

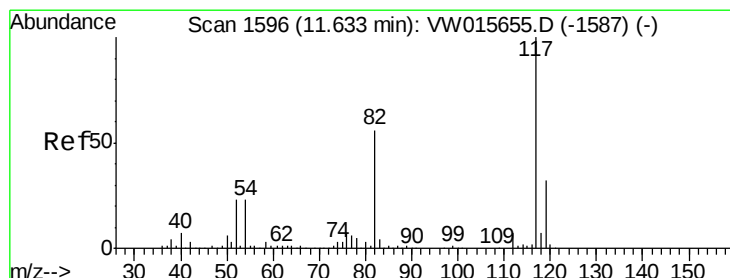
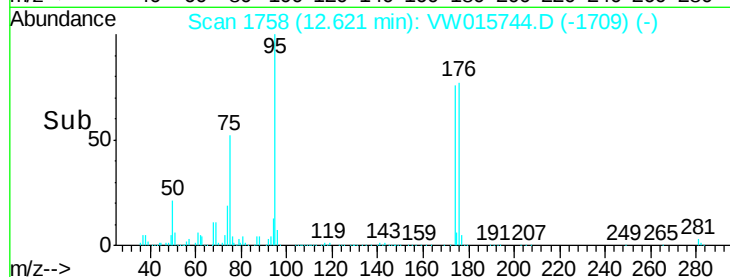
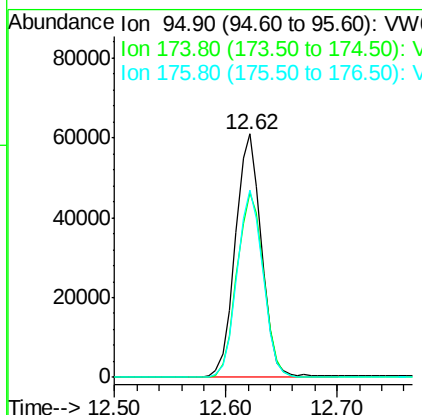
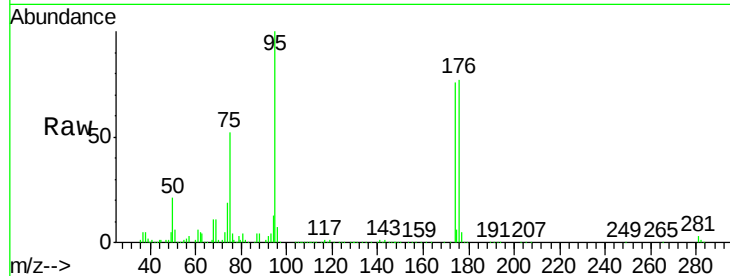




#62
4-Bromofluorobenzene
Concen: 37.258 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015744.D
Acq: 26 Jun 2020 14:07

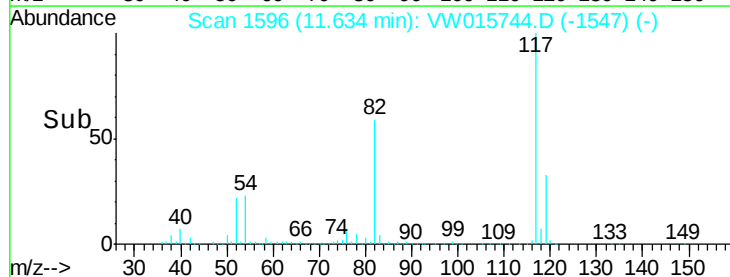
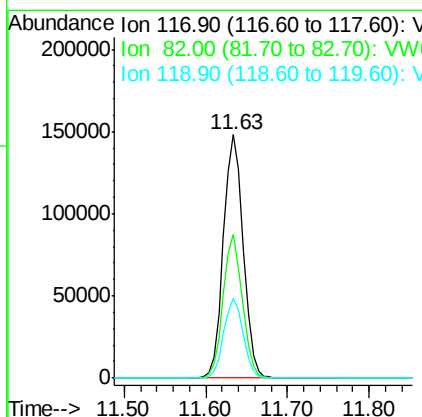
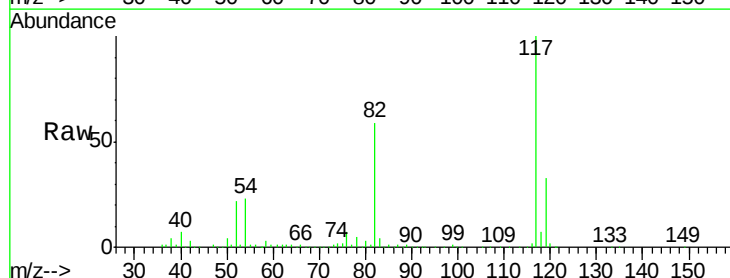
Instrument :
MSVOA_W
ClientSampleId :
BP-MW180-SOIL-570-572

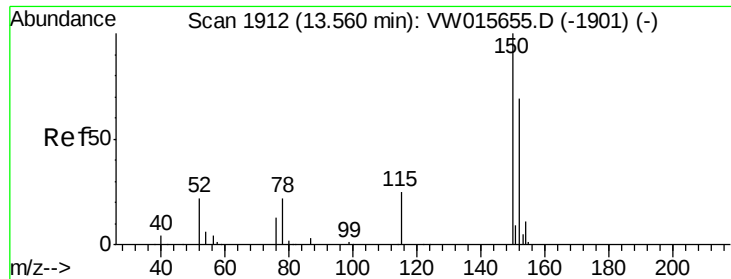
Tot Ion: 95 Resp: 98691
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.0
176 76.3 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015744.D
Acq: 26 Jun 2020 14:07

Tgt Ion: 117 Resp: 248546
Ion Ratio Lower Upper
117 100
82 59.0 45.1 67.7
119 32.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015744.D

Acq: 26 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

BP-MW180-SOIL-570-572

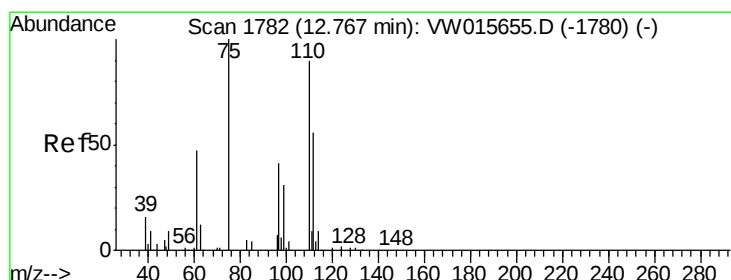
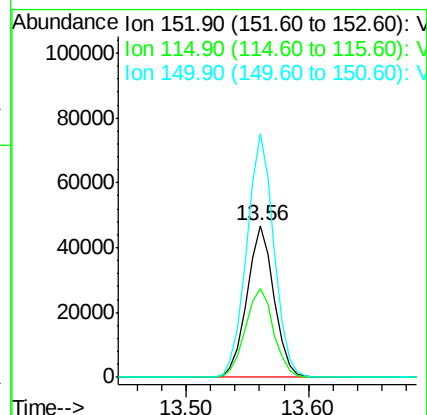
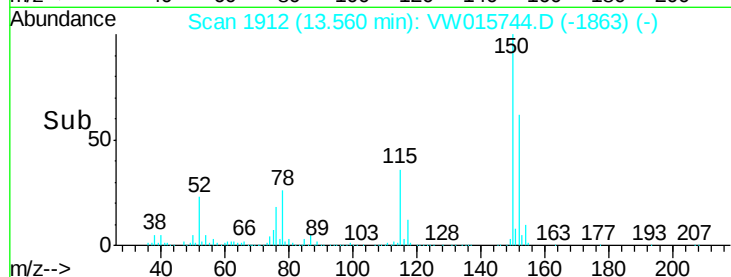
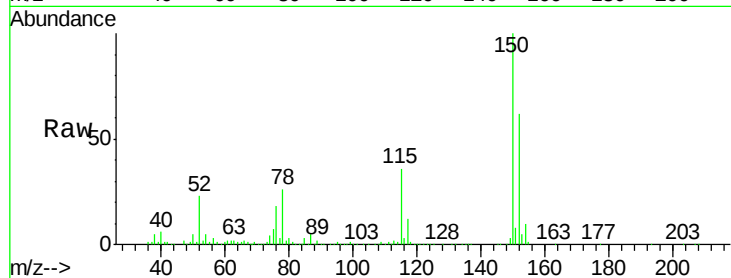
Tot Ion:152 Resp: 71683

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.5

150 161.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 80.654 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015744.D

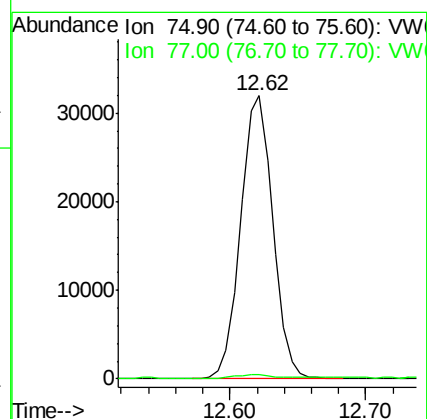
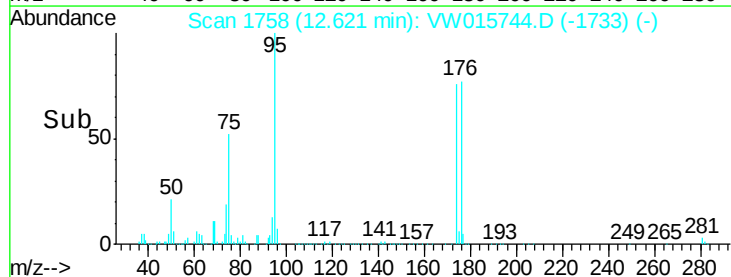
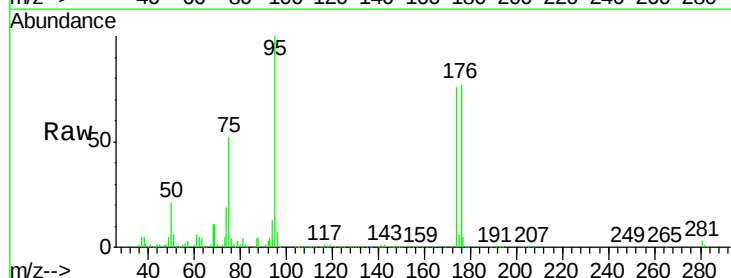
Acq: 26 Jun 2020 14:07

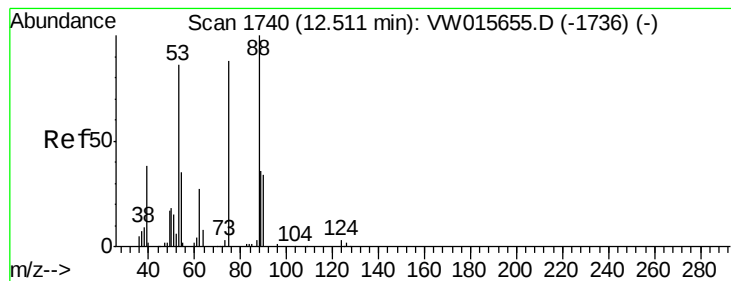
Tgt Ion: 75 Resp: 52736

Ion Ratio Lower Upper

75 100

77 1.7 179.1 537.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 203.250 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015744.D

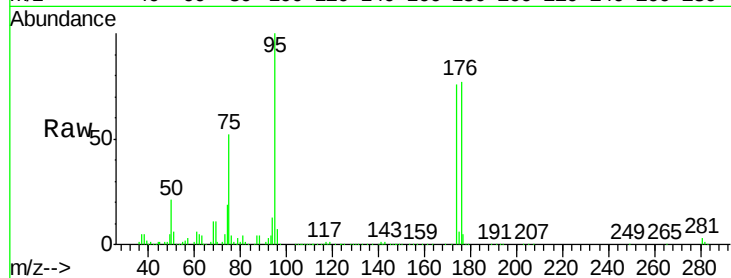
Acq: 26 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

BP-MW180-SOIL-570-572



Tot Ion: 75 Resp: 52736

Ion Ratio Lower Upper

75 100

53 0.1 83.8 125.8#

89 0.0 36.6 55.0#

