

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017105.D
 Acq On : 01 Jul 2020 17:54
 Operator : JC/SP
 Sample : L3151-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 07 02:59:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	224999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	386174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	392405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	148530	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
35) Dibromofluoromethane	5.47	113	126368	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	8.70	98	471099	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	11.12	95	196528	55.66	ug/l	0.00
Spiked Amount			Recovery	=	111.32%	

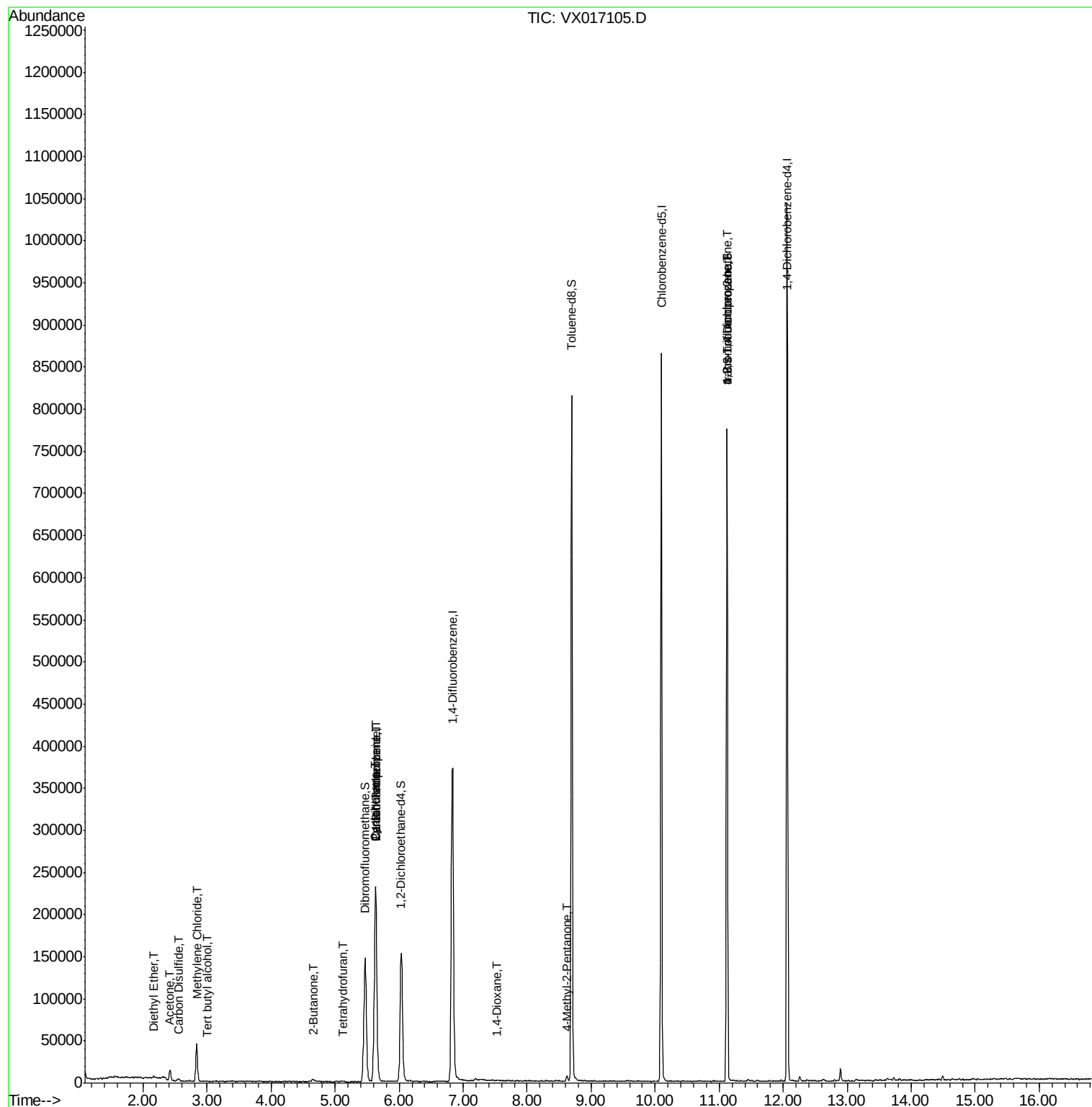
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.16	74	562	0.824	ug/l	98
11) Tert butyl alcohol	3.00	59	188	0.355	ug/l #	73
16) Acetone	2.42	43	13108	12.632	ug/l	96
17) Carbon Disulfide	2.56	76	3303	0.554	ug/l #	84
20) Methylene Chloride	2.84	84	20666	8.027	ug/l	97
25) 2-Butanone	4.65	43	3873	2.240	ug/l	97
29) Tetrahydrofuran	5.11	42	1223	1.071	ug/l #	52
31) Cyclohexane	5.62	56	4668	1.247	ug/l #	11
36) 1,1-Dichloropropene	5.64	75	16799	4.603	ug/l #	50
38) Carbon Tetrachloride	5.63	117	21998	5.472	ug/l #	18
49) 1,4-Dioxane	7.54	88	20	0.302	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	3721	1.014	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	97653	23.463	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	97653	60.761	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	433	Below Cal	#	1

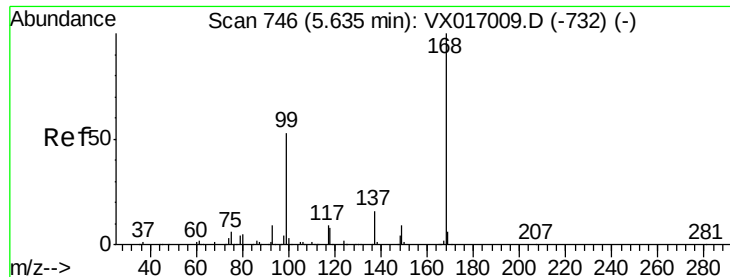
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

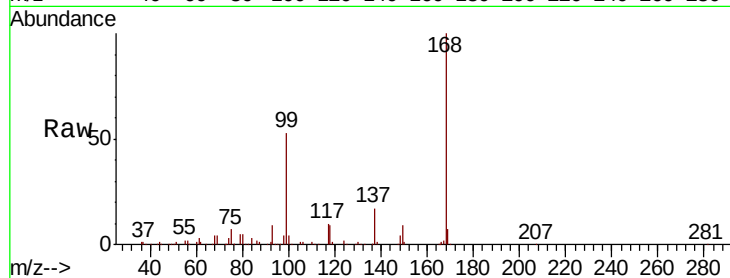
BP-MW180-SOIL-584-588

Tot Ion:168 Resp: 224999

Ion Ratio Lower Upper

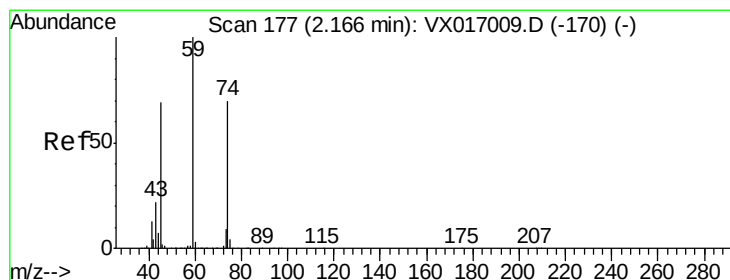
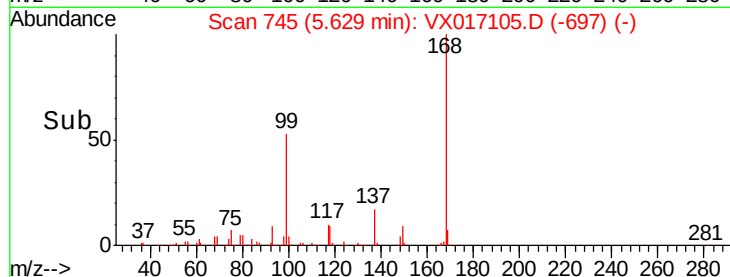
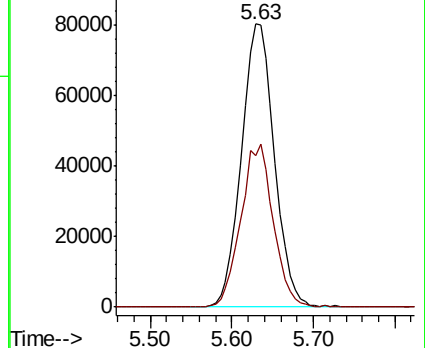
168 100

99 53.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.824 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017105.D

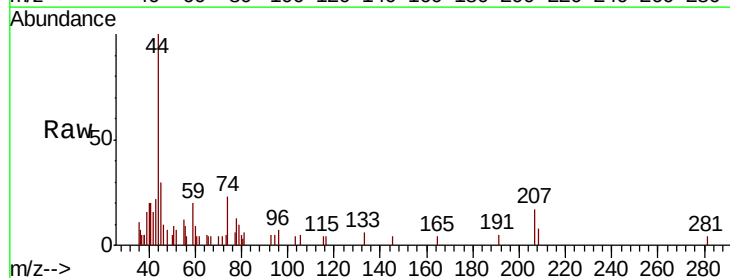
Acq: 01 Jul 2020 17:54

Tgt Ion: 74 Resp: 562

Ion Ratio Lower Upper

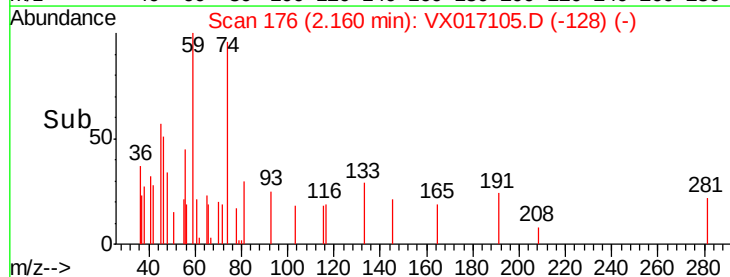
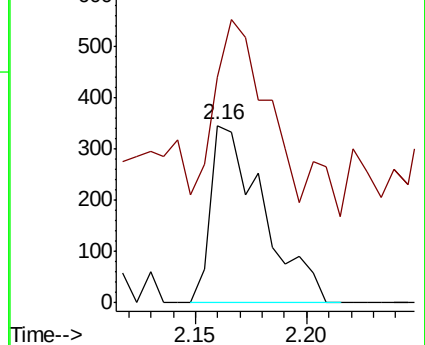
74 100

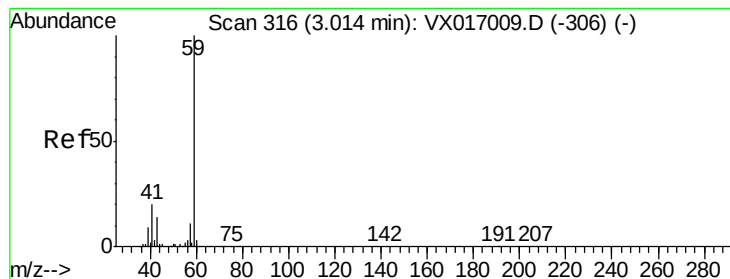
45 97.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



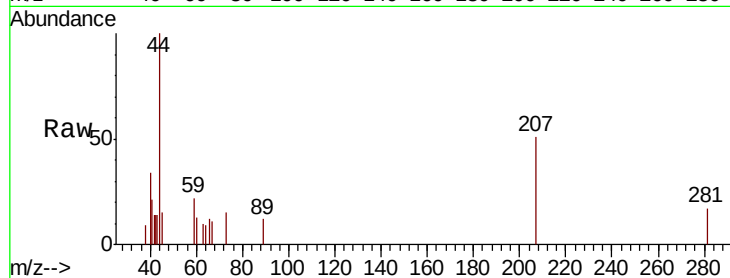


#11

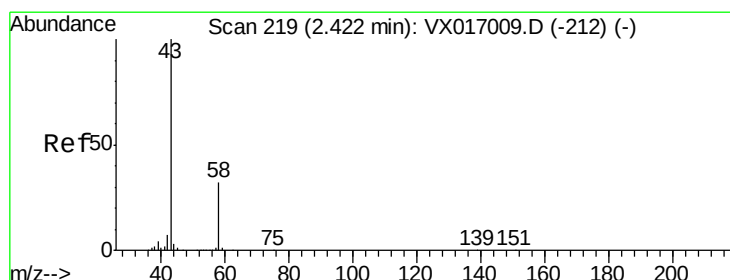
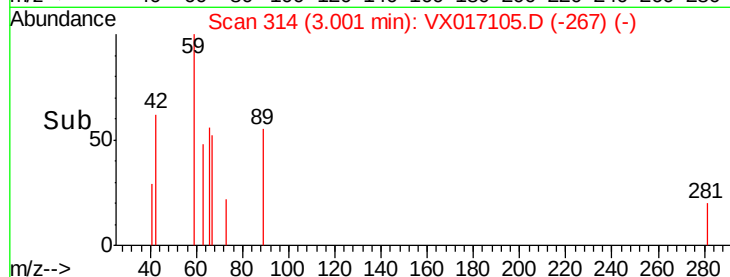
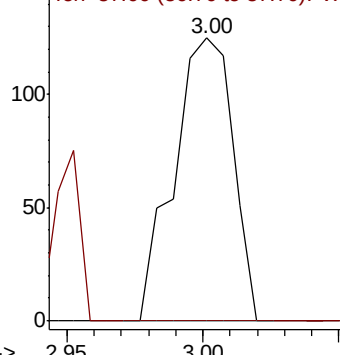
Tert butyl alcohol
 Concen: 0.355 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX017105.D
 Acq: 01 Jul 2020 17:54

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

Tot Ion: 59 Resp: 188
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



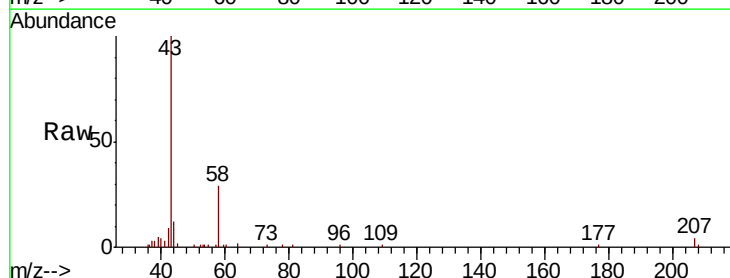
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



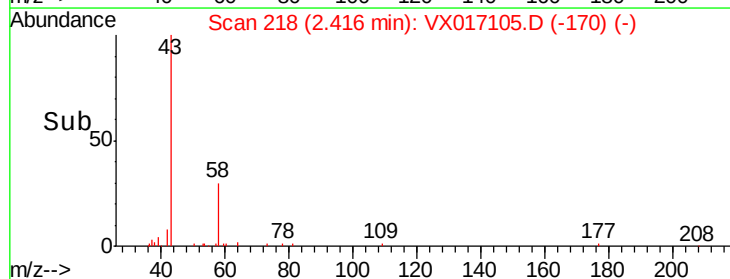
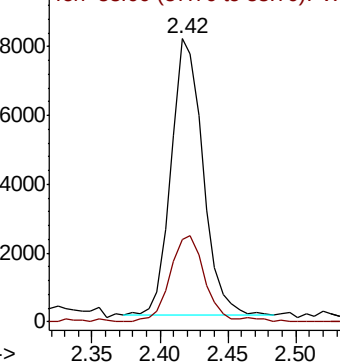
#16

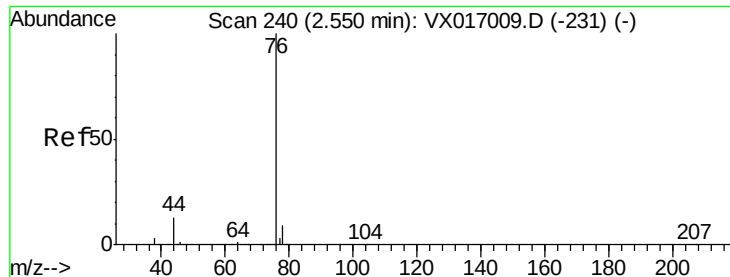
Acetone
 Concen: 12.632 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017105.D
 Acq: 01 Jul 2020 17:54

Tgt Ion: 43 Resp: 13108
 Ion Ratio Lower Upper
 43 100
 58 29.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.554 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

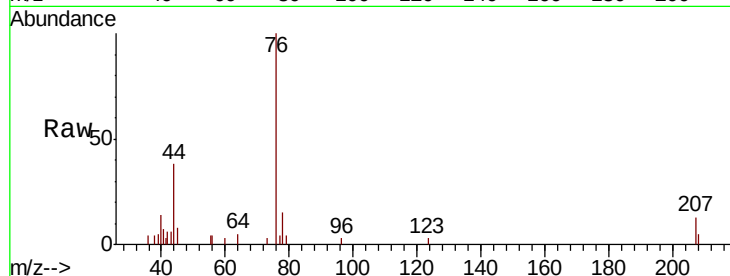
BP-MW180-SOIL-584-588

Tot Ion: 76 Resp: 3303

Ion Ratio Lower Upper

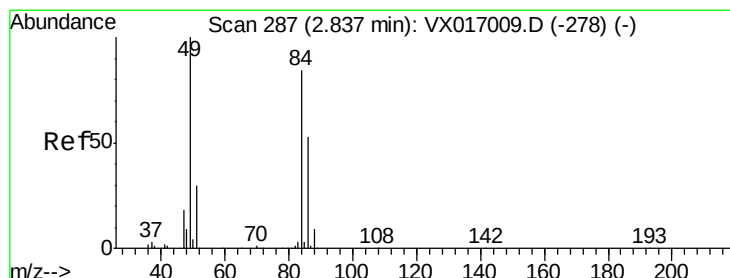
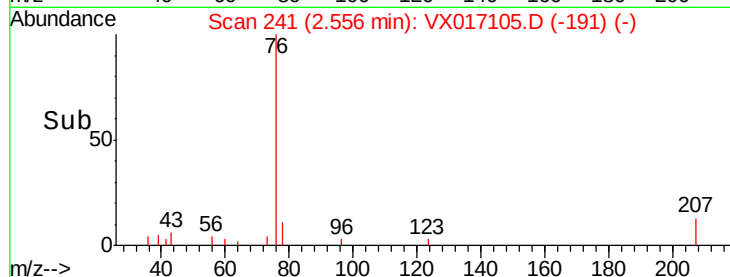
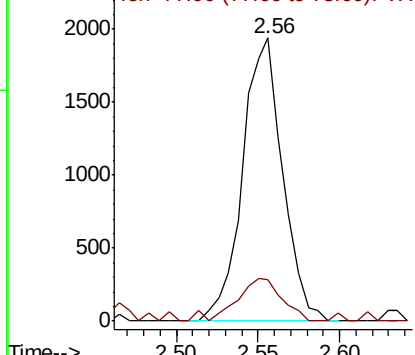
76 100

78 14.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 8.027 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

Tgt Ion: 84 Resp: 20666

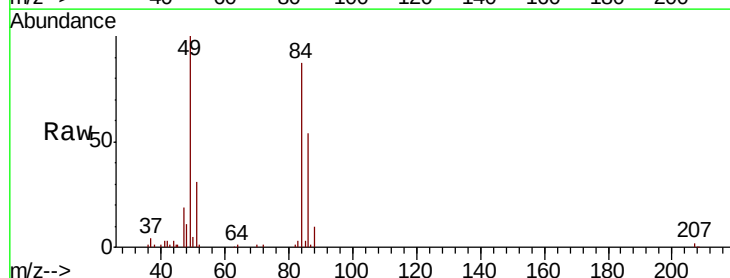
Ion Ratio Lower Upper

84 100

49 114.4 94.7 142.1

51 34.3 28.6 42.8

86 61.7 50.5 75.7

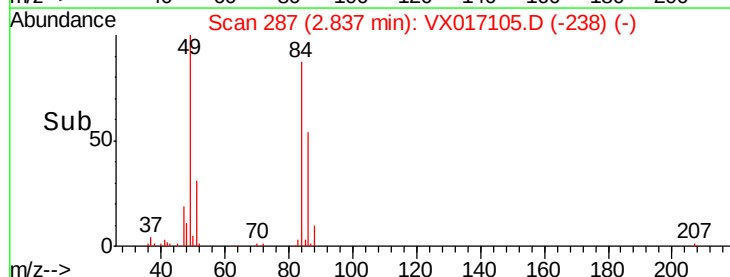
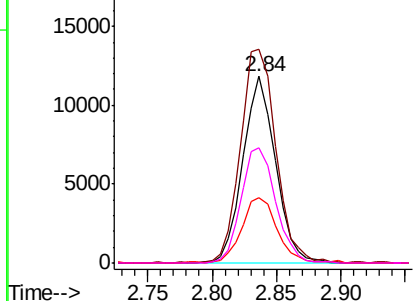


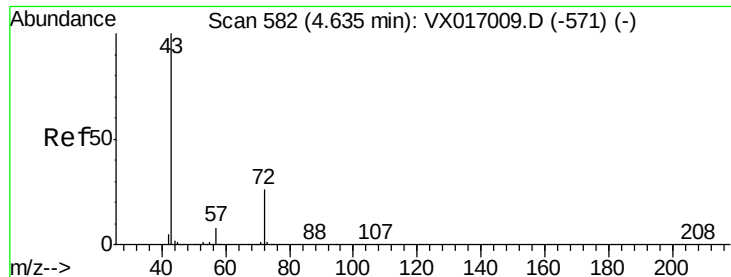
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

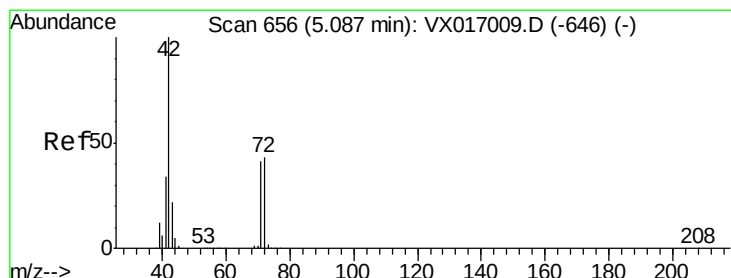
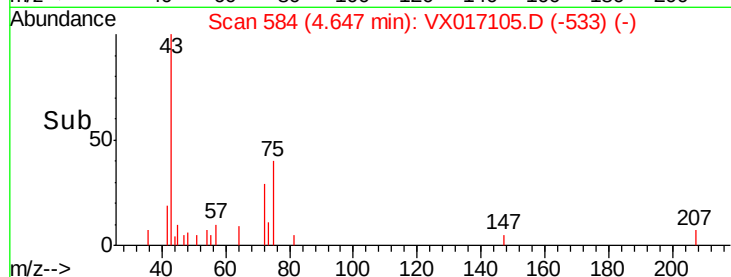
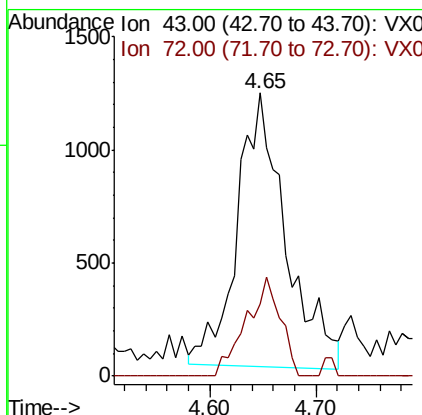
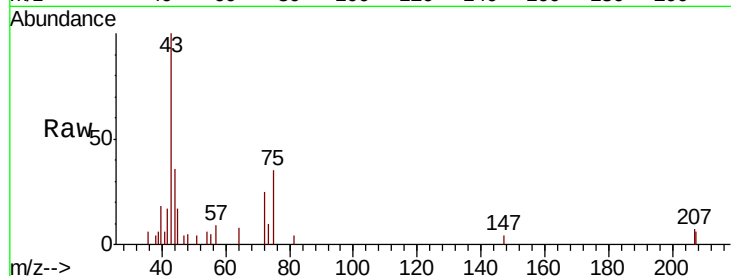




#25
2-Butanone
Concen: 2.240 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017105.D
Acq: 01 Jul 2020 17:54

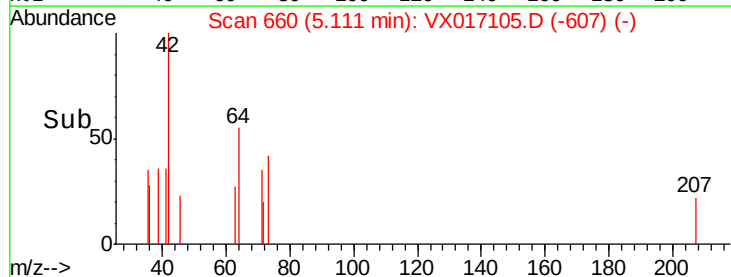
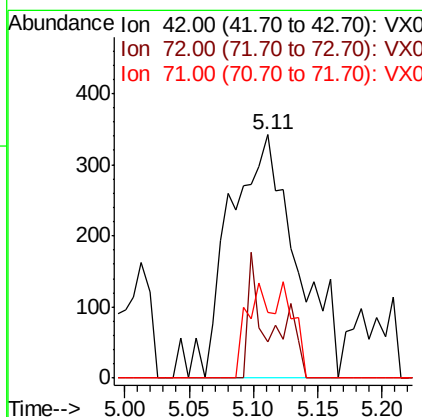
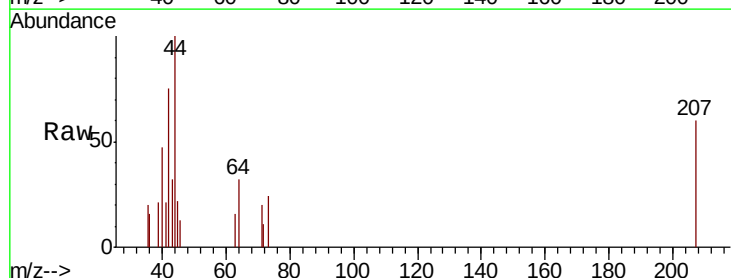
Instrument :
MSVOA_X
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BP-MW180-SOIL-584-588

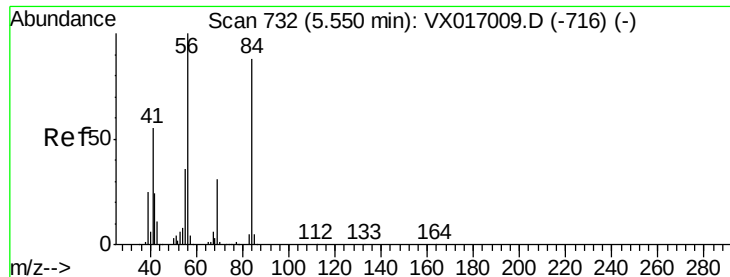
Tot Ion: 43 Resp: 3873
Ion Ratio Lower Upper
43 100
72 27.5 20.8 31.2



#29
Tetrahydrofuran
Concen: 1.071 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017105.D
Acq: 01 Jul 2020 17:54

Tgt Ion: 42 Resp: 1223
Ion Ratio Lower Upper
42 100
72 9.0 35.3 52.9#
71 15.0 33.1 49.7#

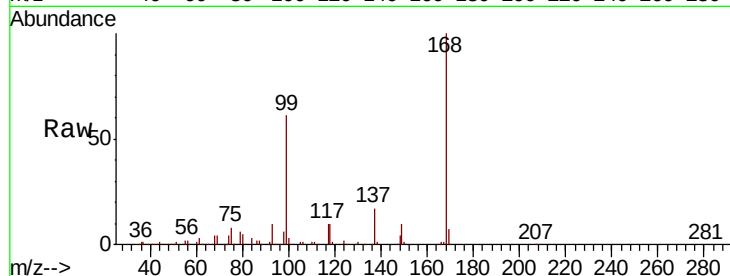




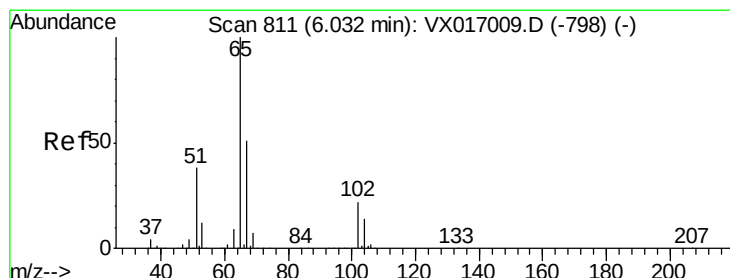
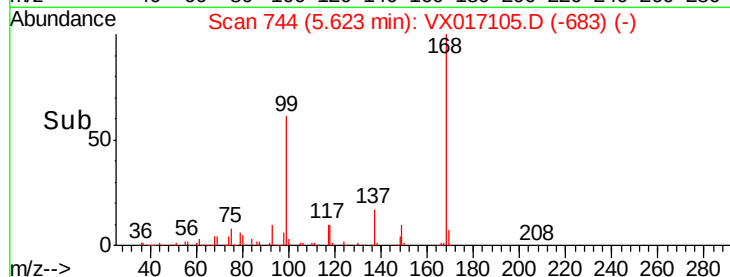
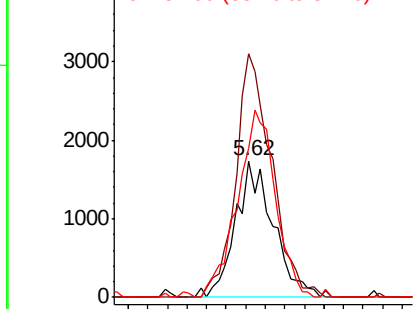
#31
Cyclohexane
Concen: 1.247 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017105.D
Acq: 01 Jul 2020 17:54

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

Tot Ion: 56 Resp: 4668
Ion Ratio Lower Upper
56 100
69 178.4 25.0 37.4#
84 109.1 69.1 103.7#

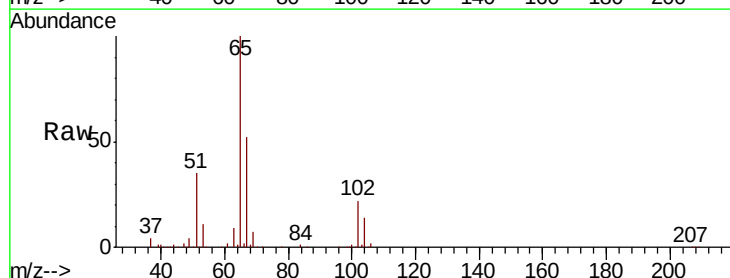


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

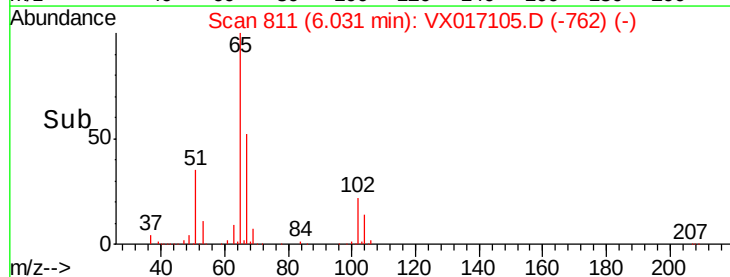
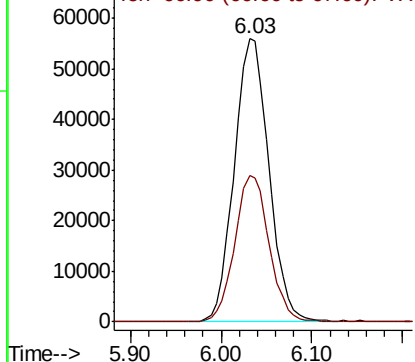


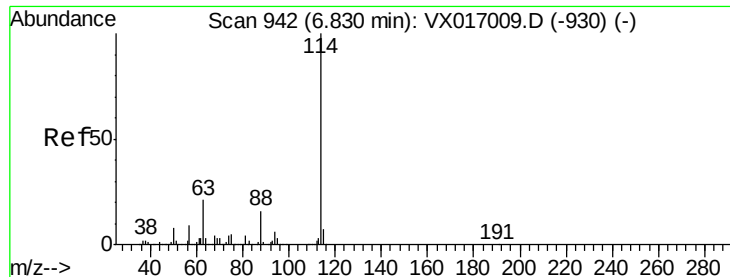
#33
1,2-Dichloroethane-d4
Concen: 53.548 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017105.D
Acq: 01 Jul 2020 17:54

Tgt Ion: 65 Resp: 148530
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-584-588

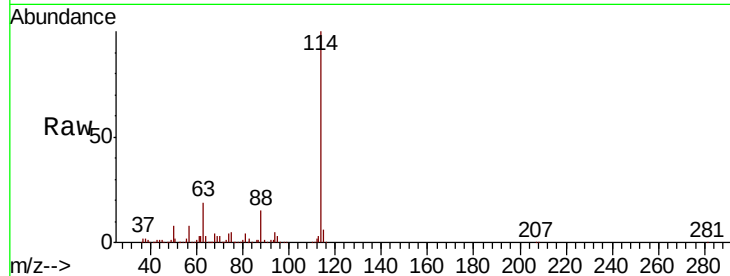
Tot Ion:114 Resp: 386174

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

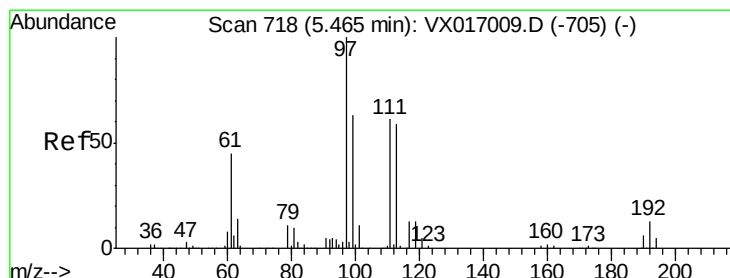
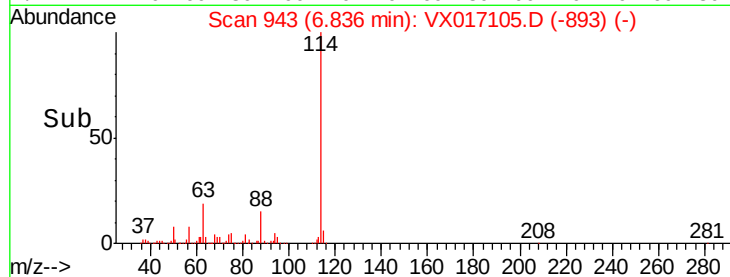
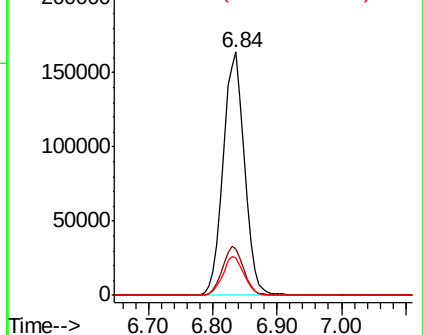
88 15.3 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.730 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

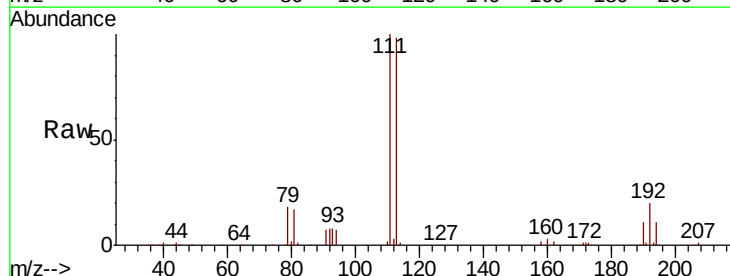
Tgt Ion:113 Resp: 126368

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

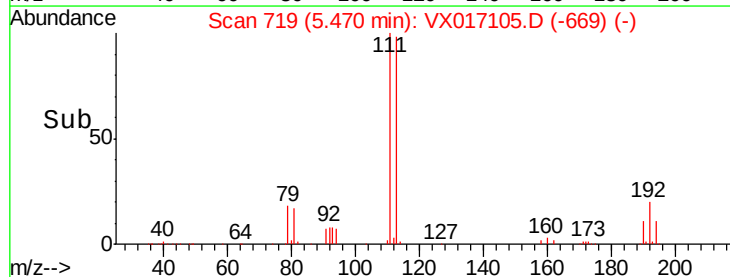
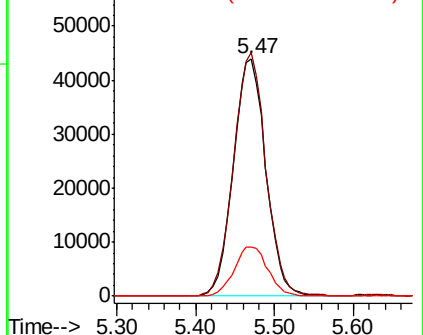
192 21.5 16.7 25.1

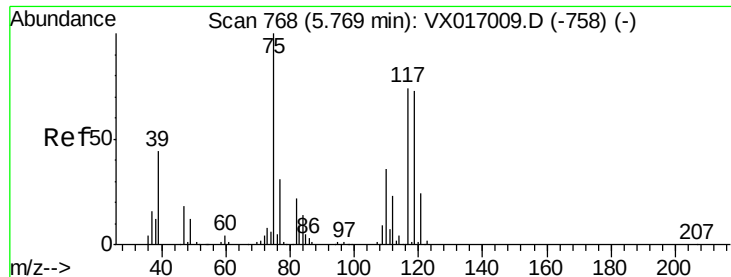


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

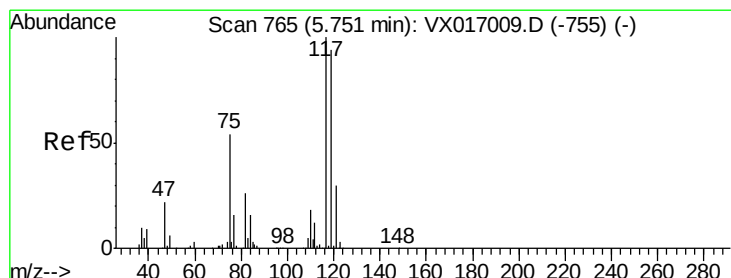
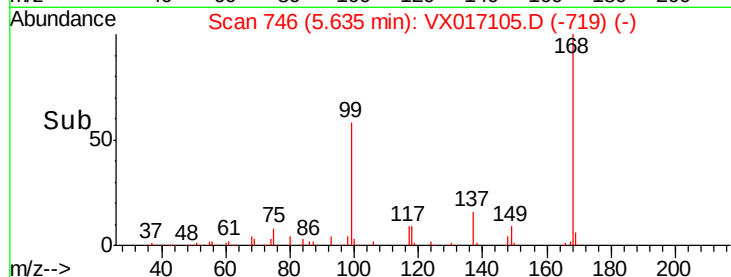
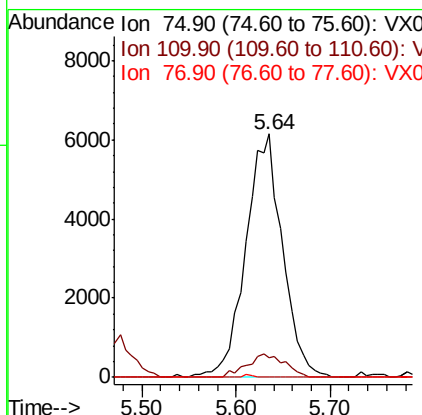
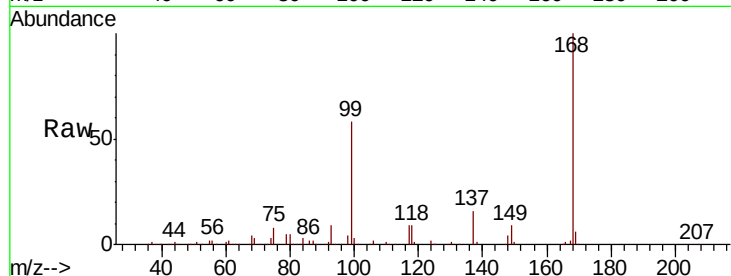




#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017105.D
 Acq: 01 Jul 2020 17:54

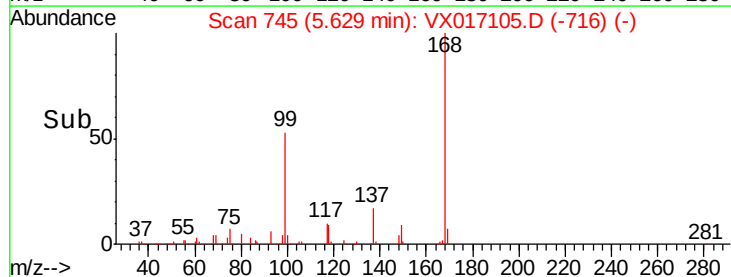
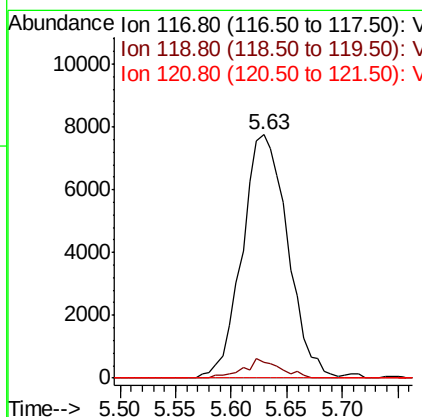
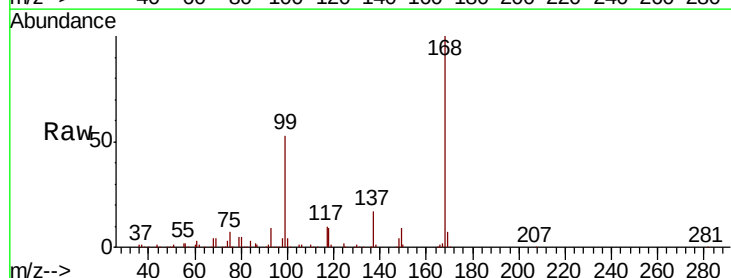
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MW180-SOIL-584-588

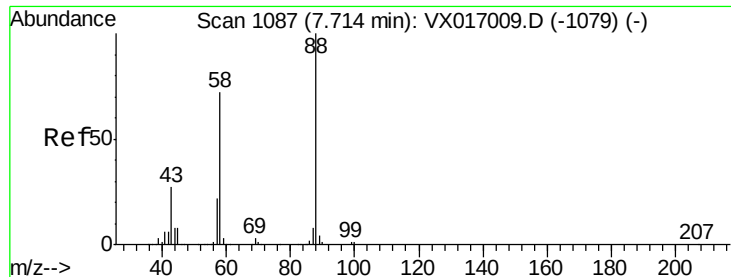
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.1#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.472 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017105.D
 Acq: 01 Jul 2020 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	75.4	113.0#
121	0.0	23.8	35.6#





#49

1,4-Dioxane

Concen: 0.302 ug/l

RT: 7.54 min Scan# 1058

Delta R.T. -0.18 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-584-588

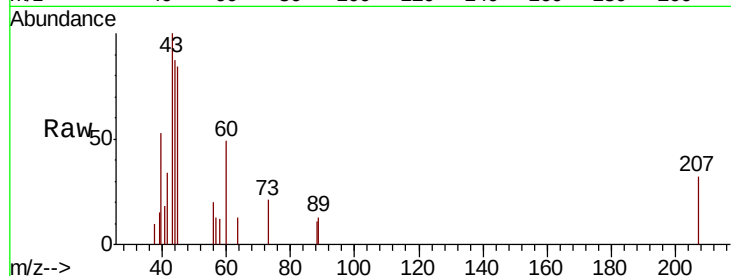
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 1650.0 25.8 38.8#

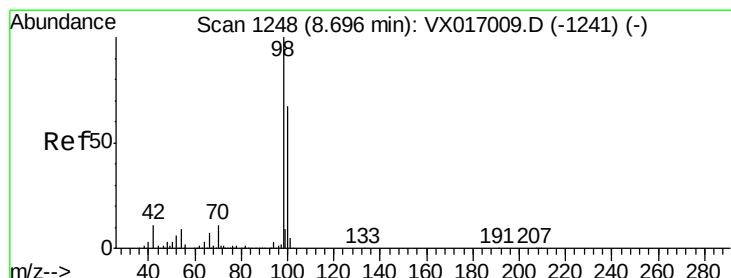
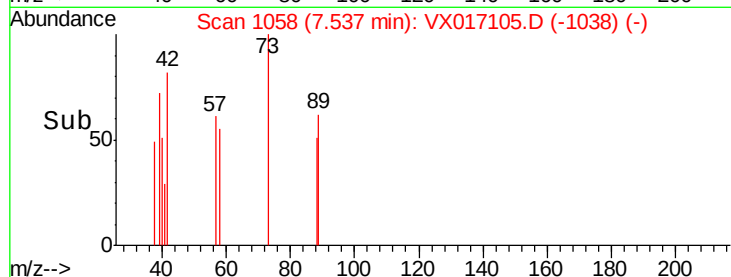
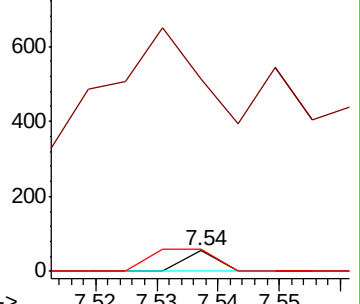
58 220.0 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.153 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017105.D

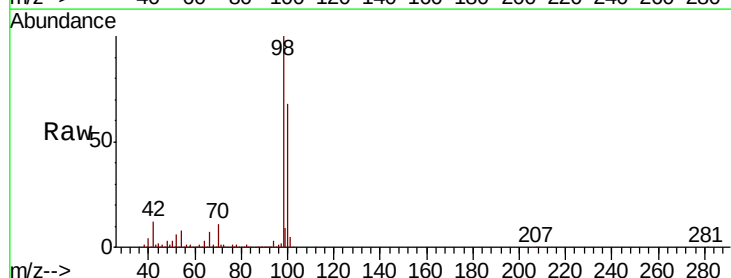
Acq: 01 Jul 2020 17:54

Tgt Ion: 98 Resp: 471099

Ion Ratio Lower Upper

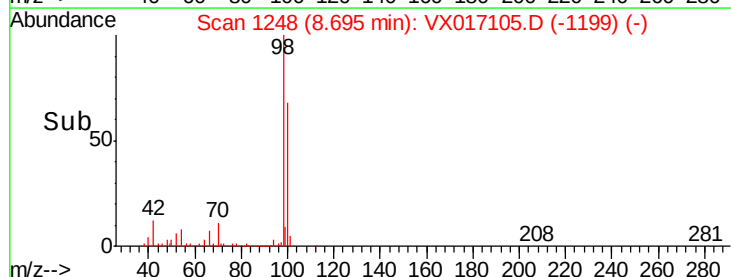
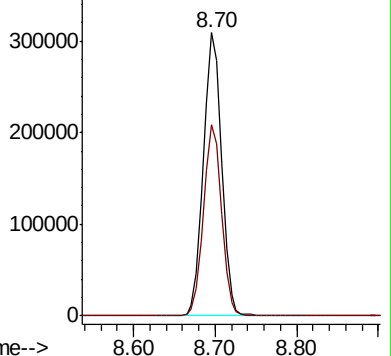
98 100

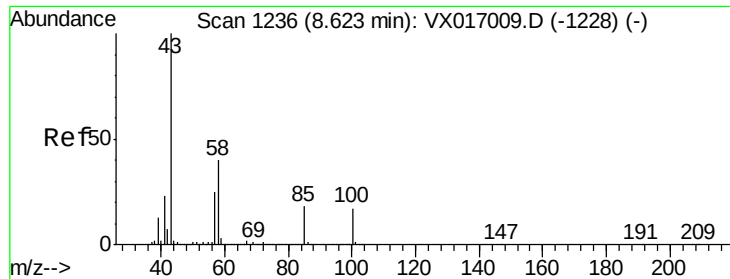
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

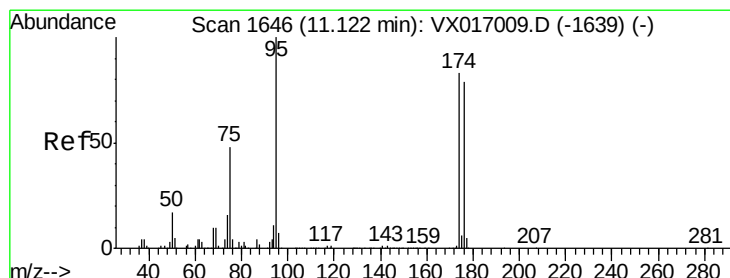
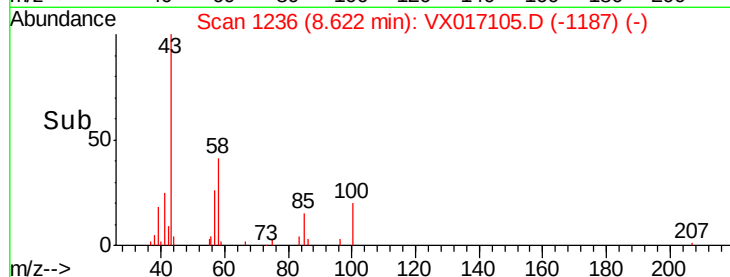
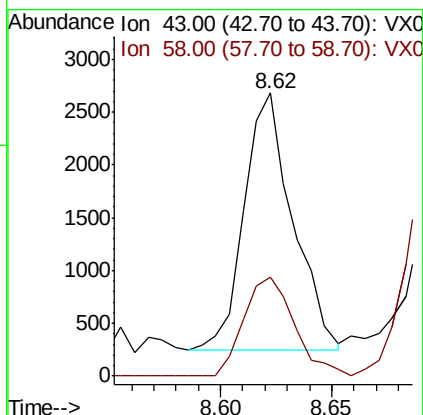
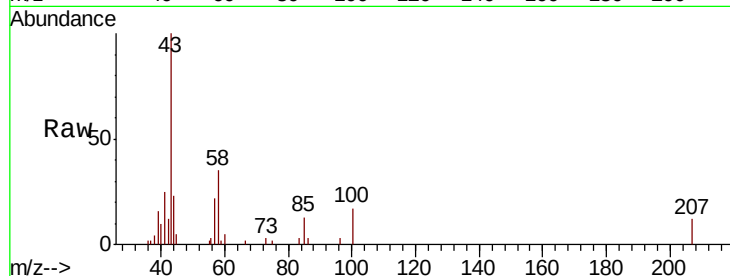




#51
 4-Methyl-2-Pentanone
 Concen: 1.014 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX017105.D
 Acq: 01 Jul 2020 17:54

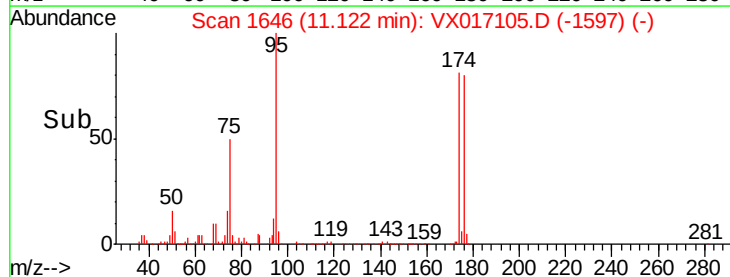
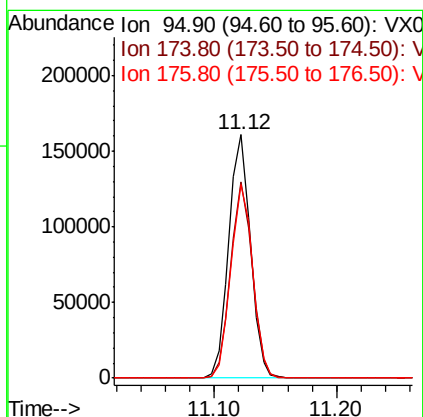
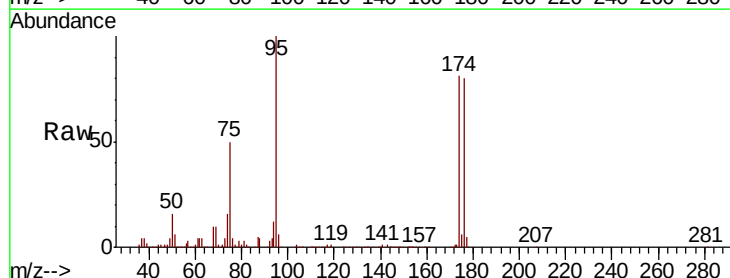
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MW180-SOIL-584-588

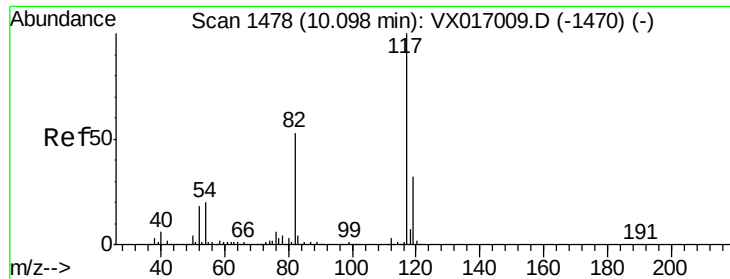
Tot Ion: 43 Resp: 3721
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.9 47.9



#62
 4-Bromofluorobenzene
 Concen: 55.656 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX017105.D
 Acq: 01 Jul 2020 17:54

Tgt Ion: 95 Resp: 196528
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 164.0
 176 80.2 0.0 157.6

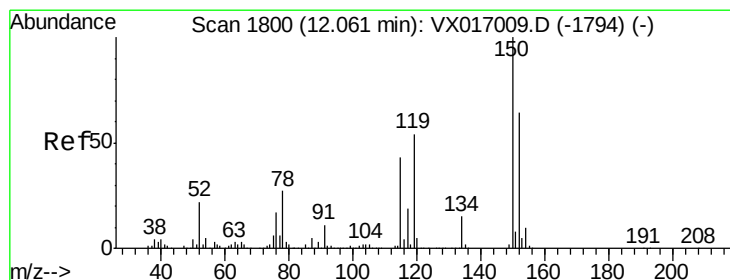
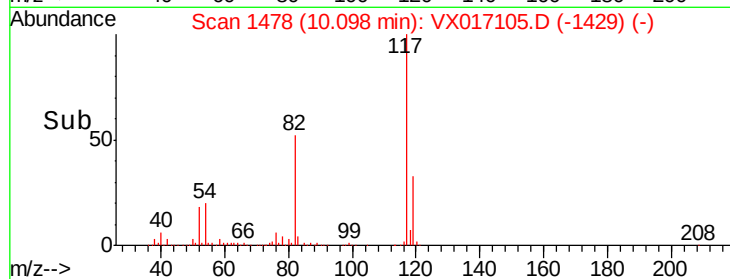
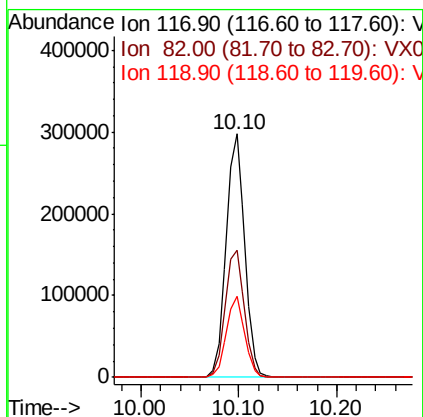
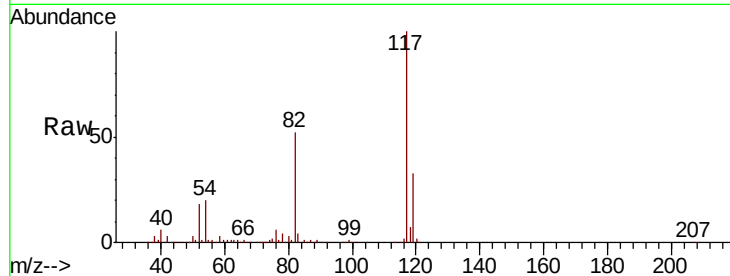




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017105.D
Acq: 01 Jul 2020 17:54

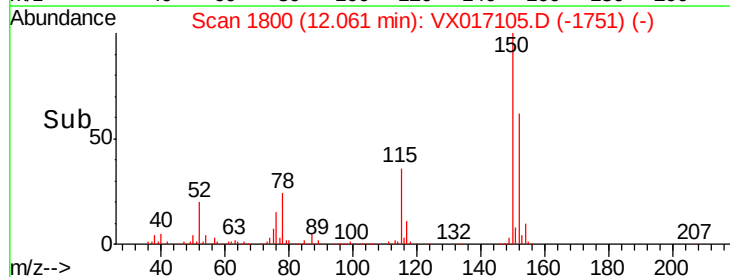
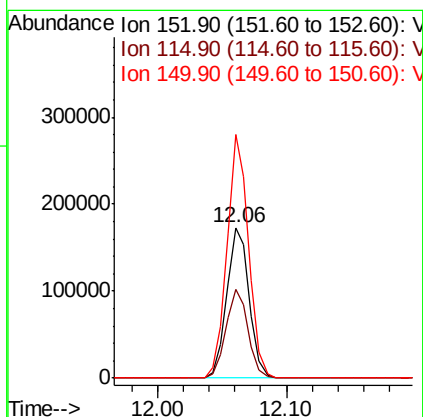
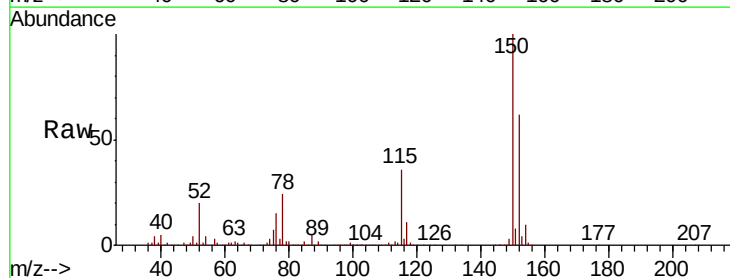
Instrument :
MSVOA_X
ClientSampleId :
BP-MW180-SOIL-584-588

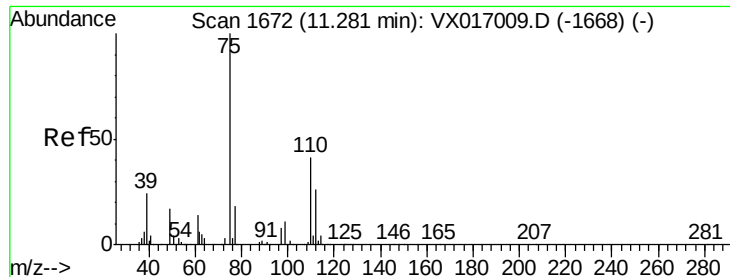
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	63.8
119	33.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017105.D
Acq: 01 Jul 2020 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	40.9	122.7
150	155.8	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 23.463 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

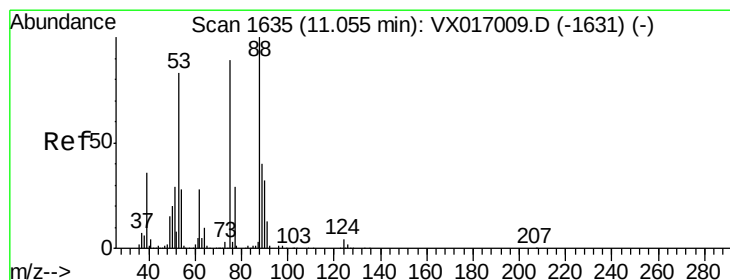
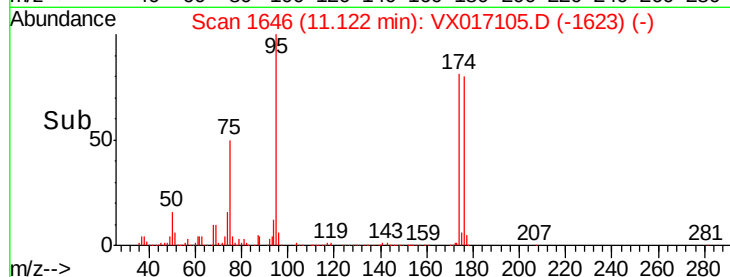
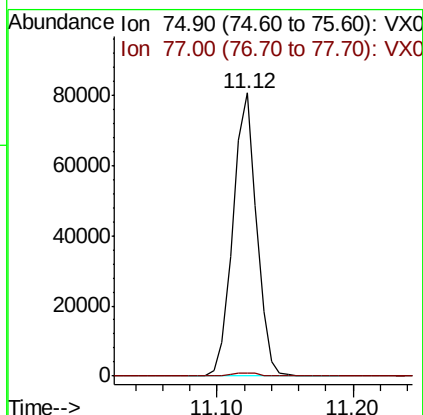
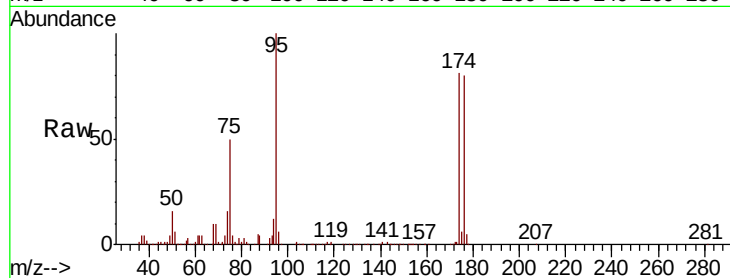
BP-MW180-SOIL-584-588

Tot Ion: 75 Resp: 97653

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.761 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017105.D

Acq: 01 Jul 2020 17:54

Tgt Ion: 75 Resp: 97653

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.1 37.0 55.4#

