

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070720\
 Data File : VX017227.D
 Acq On : 08 Jul 2020 01:21
 Operator : JC/SP
 Sample : L3192-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MW180-SOIL-610-614

Quant Time: Jul 08 01:57:51 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	253383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	432078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	467739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241837	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	170069	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
35) Dibromofluoromethane	5.47	113	146498	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
50) Toluene-d8	8.70	98	545660	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
62) 4-Bromofluorobenzene	11.12	95	228382	57.81	ug/l	0.00
Spiked Amount			Recovery	=	115.62%	

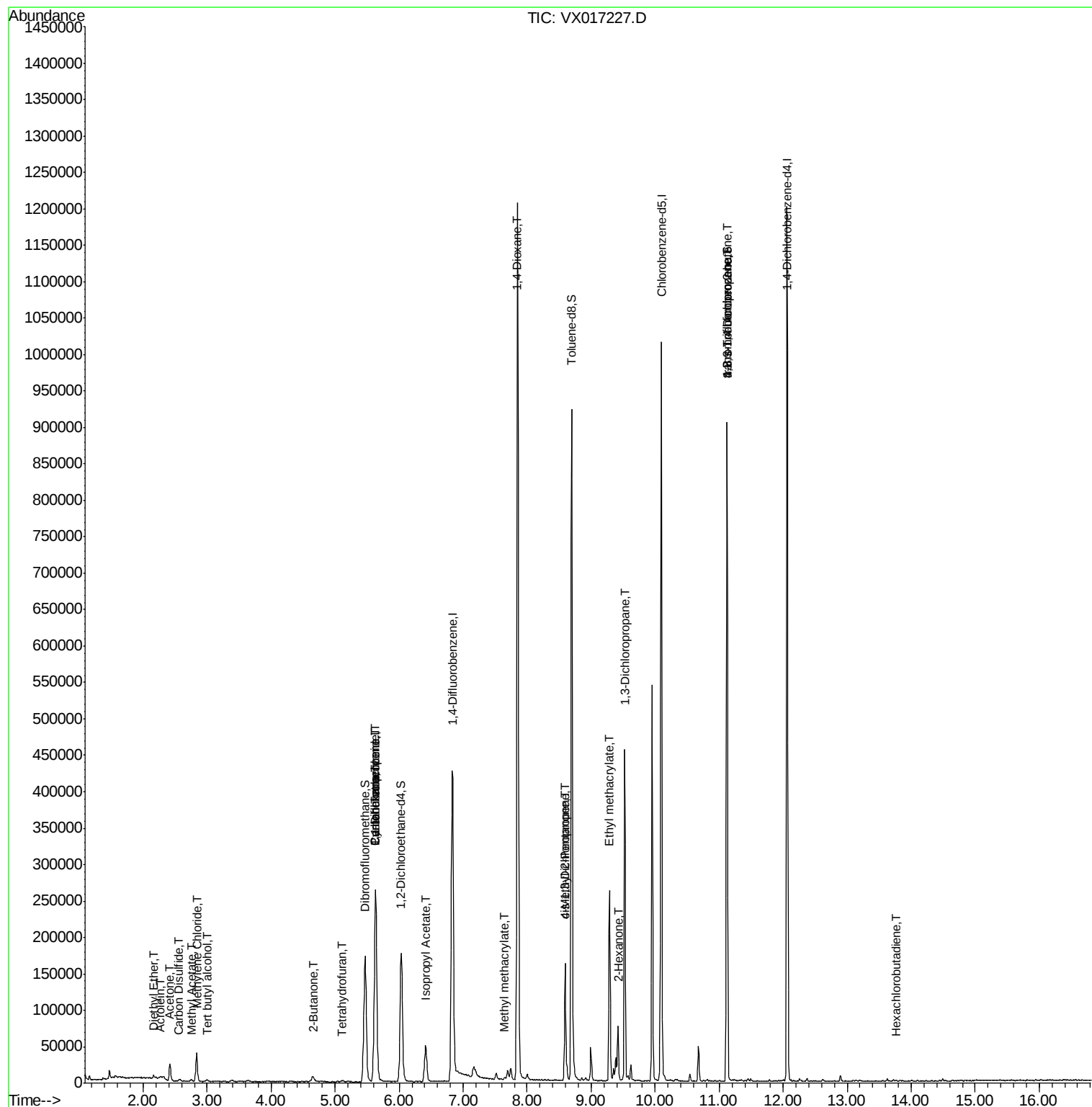
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1501	1.453	ug/l	94
11) Tert butyl alcohol	3.00	59	1872	3.141	ug/l #	84
13) Acrolein	2.27	56	450	1.263	ug/l #	83
16) Acetone	2.42	43	23576	20.175	ug/l	94
17) Carbon Disulfide	2.56	76	1540	0.243	ug/l #	81
18) Methyl Acetate	2.75	43	3659	1.199	ug/l	94
20) Methylene Chloride	2.84	84	17578	5.868	ug/l	98
25) 2-Butanone	4.65	43	3834	1.969	ug/l	93
29) Tetrahydrofuran	5.10	42	962	0.748	ug/l #	53
31) Cyclohexane	5.63	56	5317	1.261	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	18242	4.467	ug/l #	41
38) Carbon Tetrachloride	5.63	117	25581	5.687	ug/l #	18
43) Isopropyl Acetate	6.42	43	67366	9.784	ug/l	99
44) Trichloroethene	7.20	130	799	Below Cal		39
48) Methyl methacrylate	7.65	41	3706	1.133	ug/l #	16
49) 1,4-Dioxane	7.85	88	207	2.793	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	56296	13.717	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	24906	4.857	ug/l #	62
56) Ethyl methacrylate	9.29	69	1394	0.320	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	3935	0.760	ug/l #	49
59) 2-Hexanone	9.42	43	46645	15.562	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	112466	23.649	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	112466	61.243	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	566	Below Cal		70
94) Hexachlorobutadiene	13.76	225	173	0.933	ug/l #	62

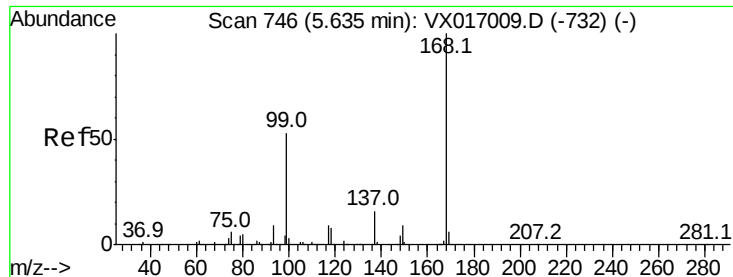
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070720\
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Quant Time: Jul 08 01:57:51 2020
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: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

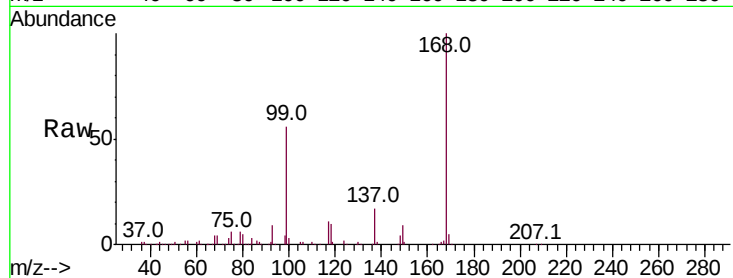
BP-MW180-SOIL-610-614

Tot Ion:168 Resp: 253383

Ion Ratio Lower Upper

168 100

99 56.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

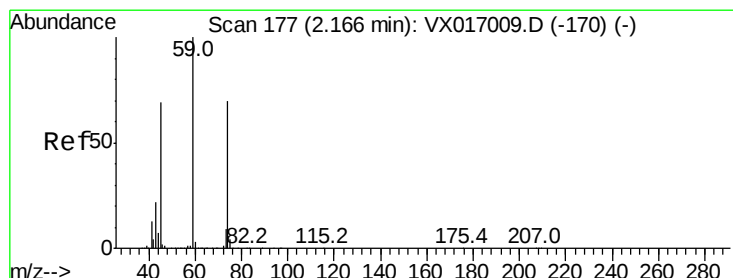
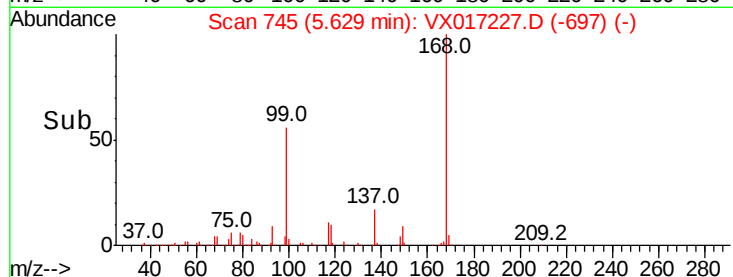
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.453 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017227.D

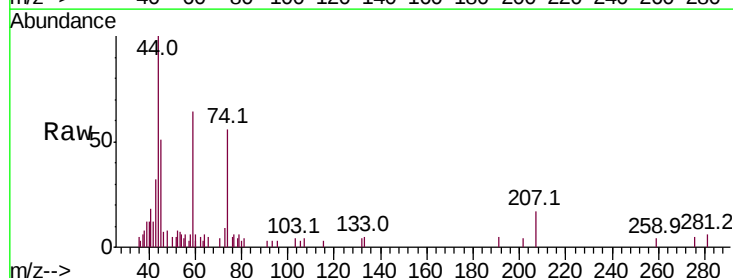
Acq: 08 Jul 2020 01:21

Tgt Ion: 74 Resp: 1501

Ion Ratio Lower Upper

74 100

45 105.1 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

1000

800

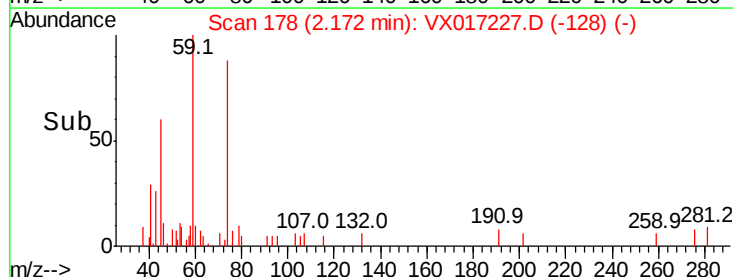
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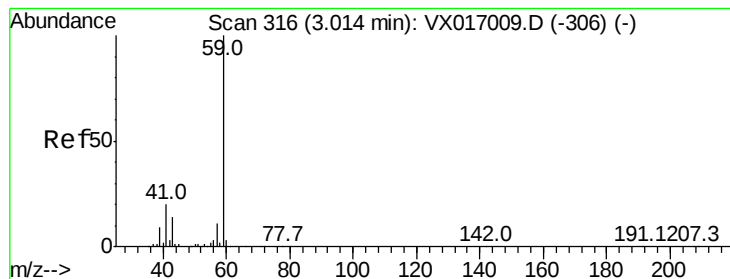
400

200

0

Time-->



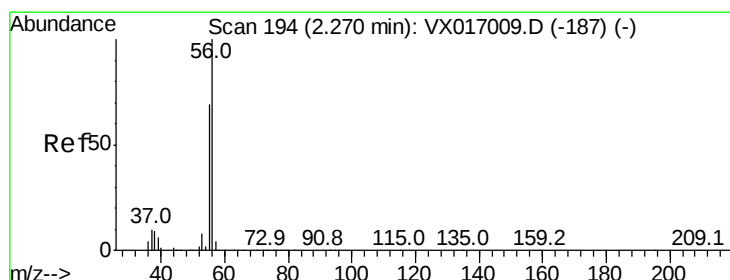
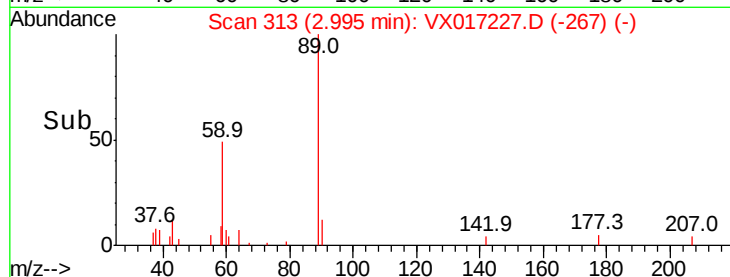
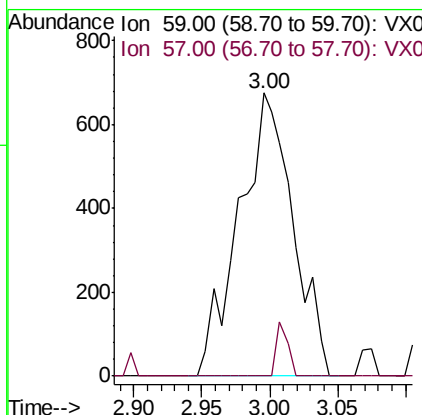
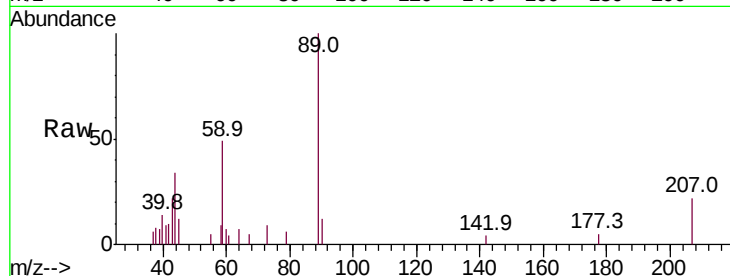


#11

Tert butyl alcohol
Concen: 3.141 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

Instrument :
MSVOA_X
ClientSampleId :
BP-MW180-SOIL-610-614

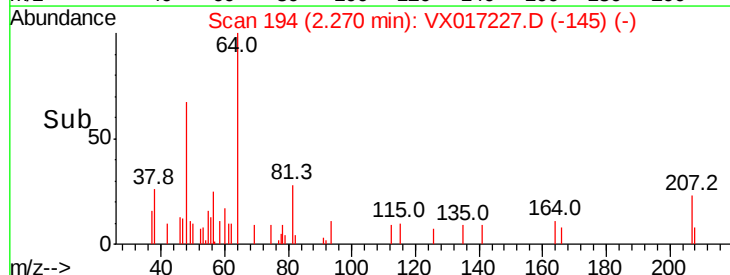
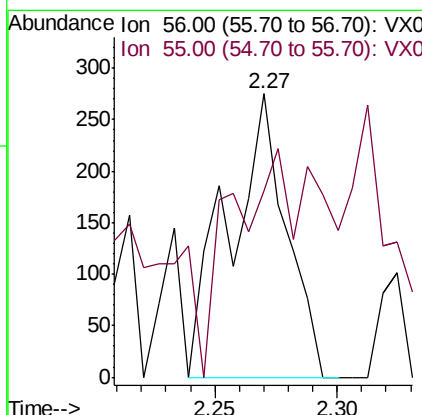
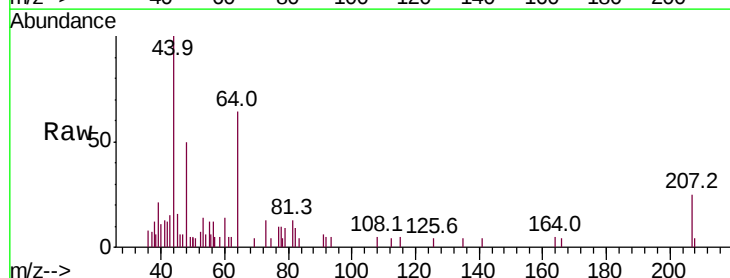
Tot Ion: 59 Resp: 1872
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.2#

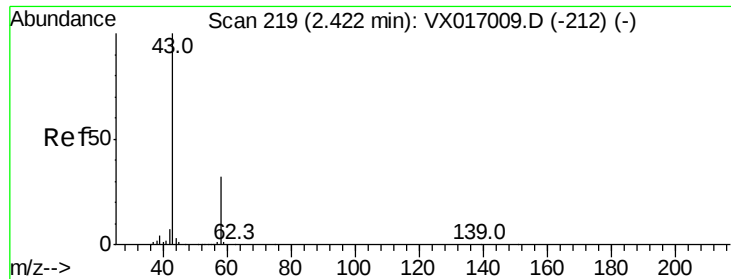


#13

Acrolein
Concen: 1.263 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

Tgt Ion: 56 Resp: 450
Ion Ratio Lower Upper
56 100
55 83.6 55.7 83.5#





#16

Acetone

Concen: 20.175 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

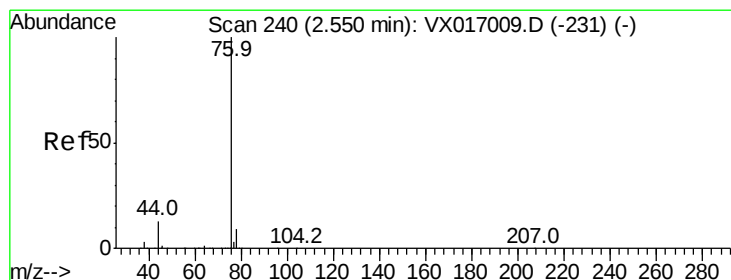
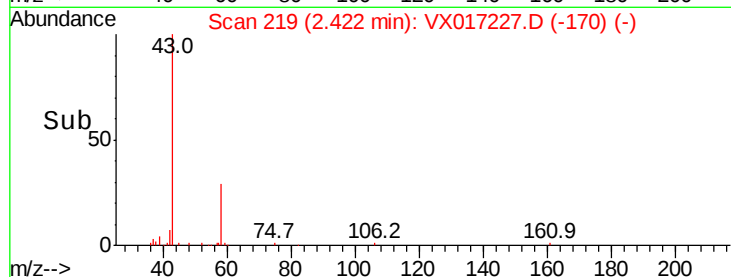
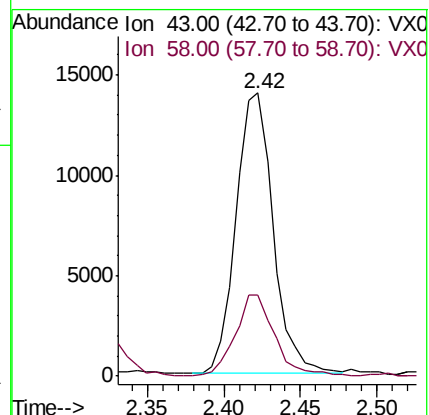
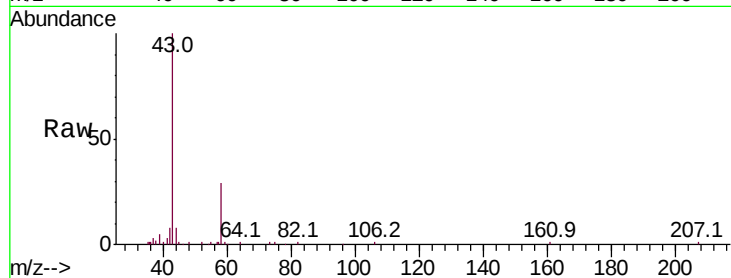
BP-MW180-SOIL-610-614

Tot Ion: 43 Resp: 23576

Ion Ratio Lower Upper

43 100

58 28.9 25.7 38.5



#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017227.D

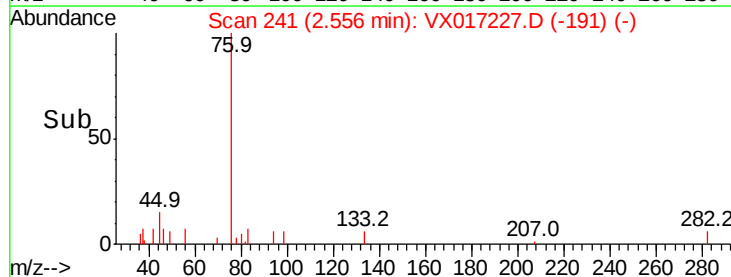
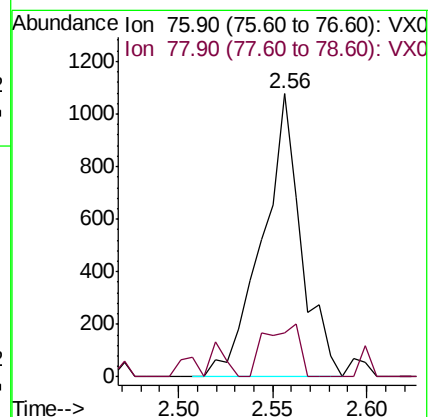
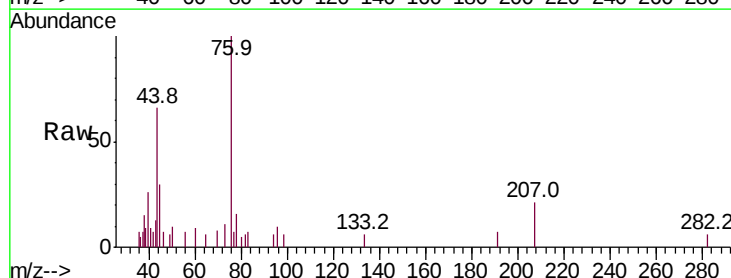
Acq: 08 Jul 2020 01:21

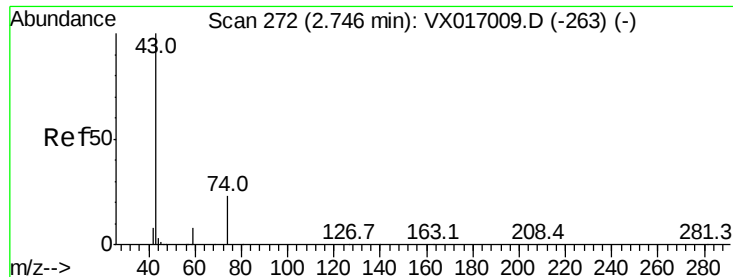
Tgt Ion: 76 Resp: 1540

Ion Ratio Lower Upper

76 100

78 15.8 7.2 10.8#

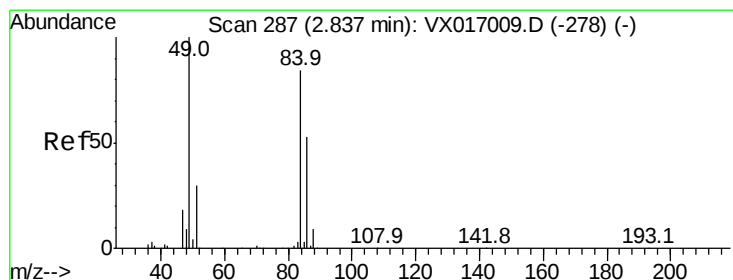
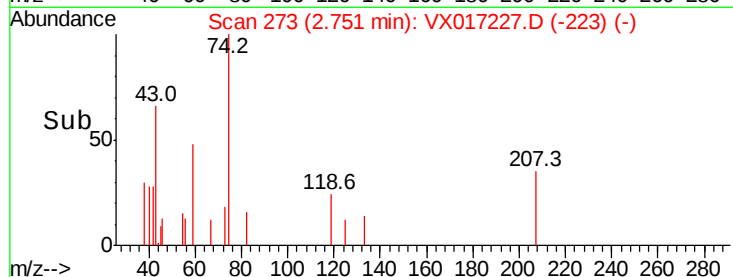
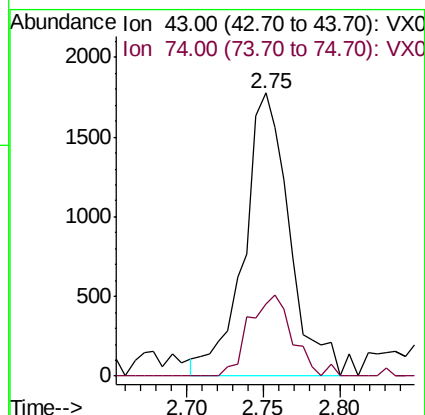
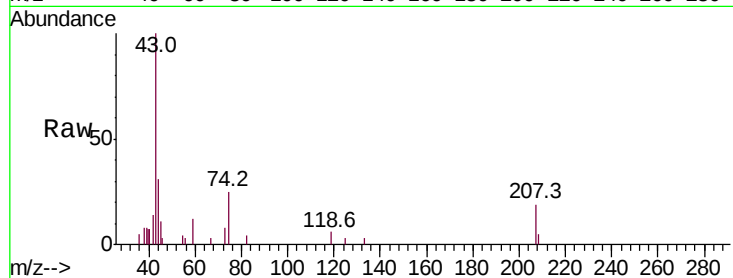




#18
Methvl Acetate
Concen: 1.199 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

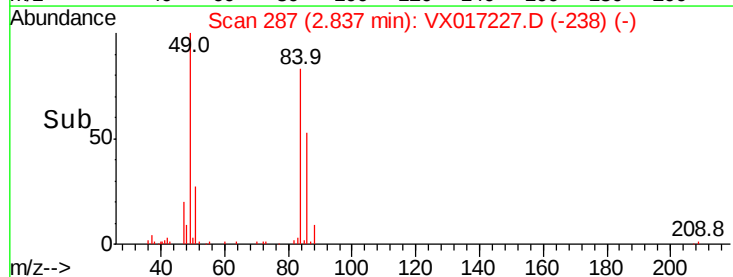
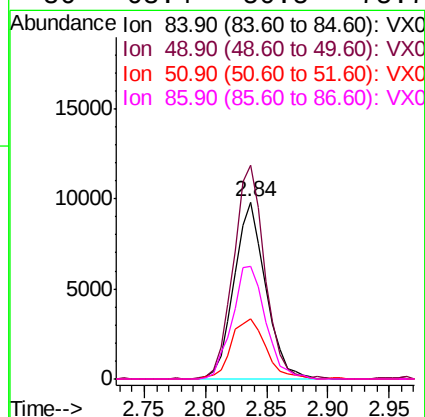
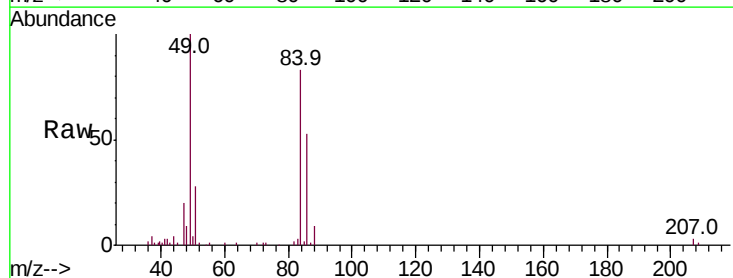
Instrument :
MSVOA_X
ClientSampleId :
BP-MW180-SOIL-610-614

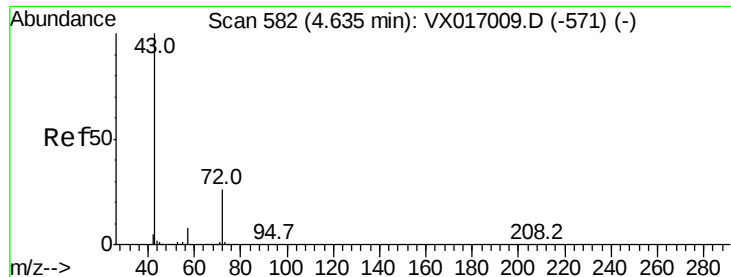
Tot Ion: 43 Resp: 3659
Ion Ratio Lower Upper
43 100
74 27.1 19.3 28.9



#20
Methylene Chloride
Concen: 5.868 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

Tgt Ion: 84 Resp: 17578
Ion Ratio Lower Upper
84 100
49 120.6 94.7 142.1
51 33.9 28.6 42.8
86 63.4 50.5 75.7





#25

2-Butanone

Concen: 1.969 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

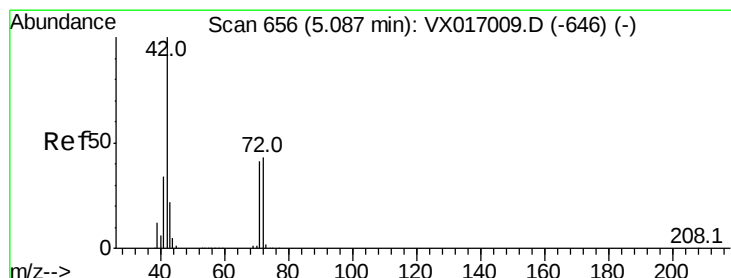
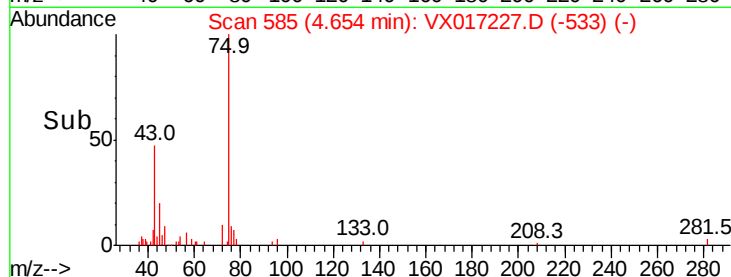
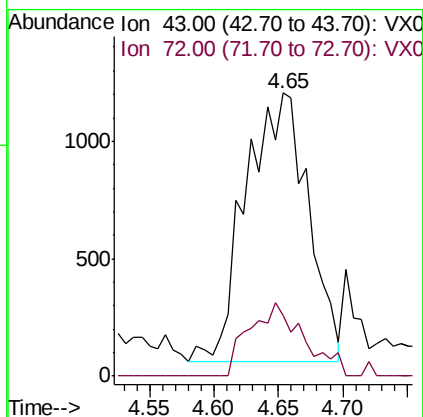
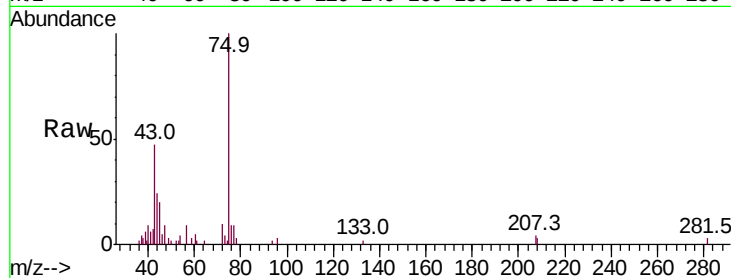
BP-MW180-SOIL-610-614

Tot Ion: 43 Resp: 3834

Ion Ratio Lower Upper

43 100

72 22.5 20.8 31.2



#29

Tetrahydrofuran

Concen: 0.748 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

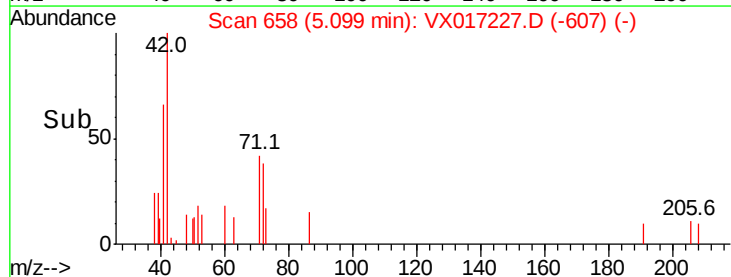
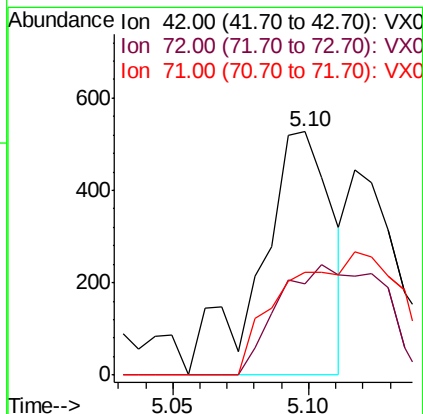
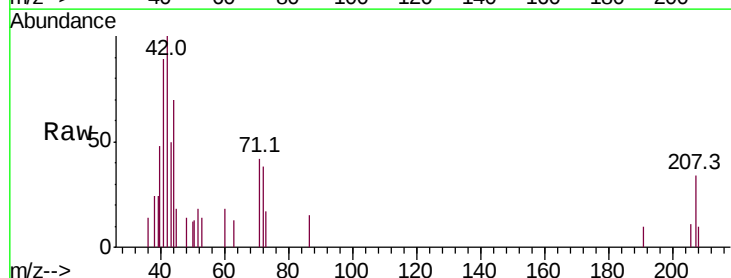
Tgt Ion: 42 Resp: 962

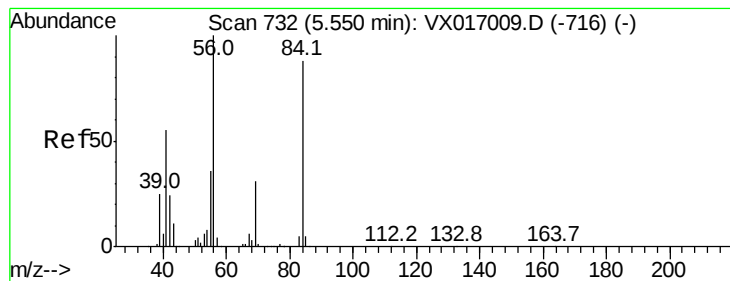
Ion Ratio Lower Upper

42 100

72 66.1 35.3 52.9#

71 80.0 33.1 49.7#





#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

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MSVOA_X

ClientSampleId :

BP-MW180-SOIL-610-614

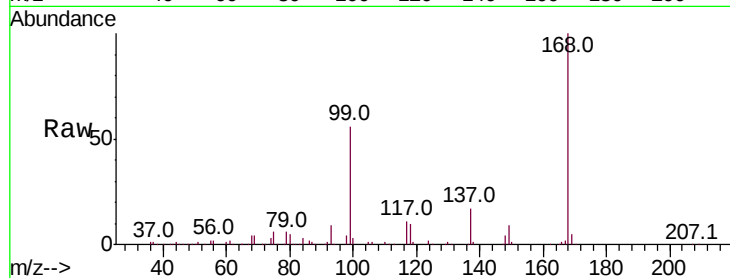
Tot Ion: 56 Resp: 5317

Ion Ratio Lower Upper

56 100

69 175.4 25.0 37.4#

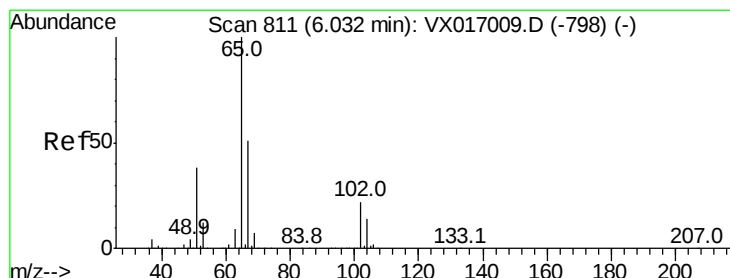
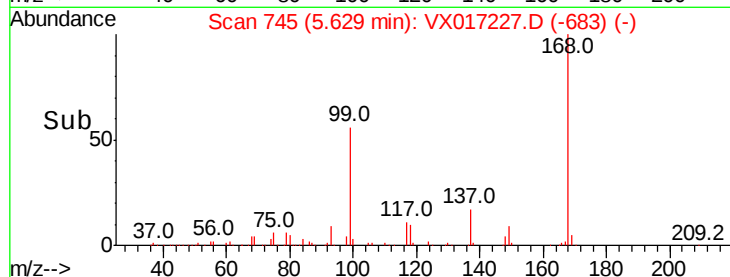
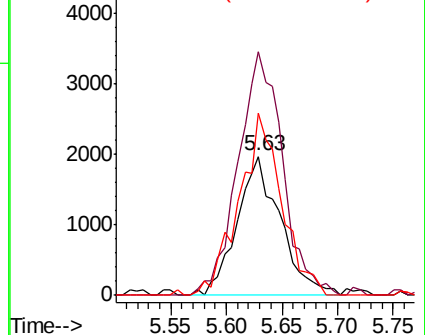
84 131.7 69.1 103.7#



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: 54.445 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017227.D

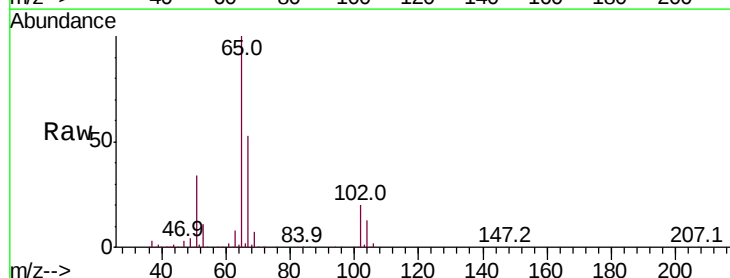
Acq: 08 Jul 2020 01:21

Tgt Ion: 65 Resp: 170069

Ion Ratio Lower Upper

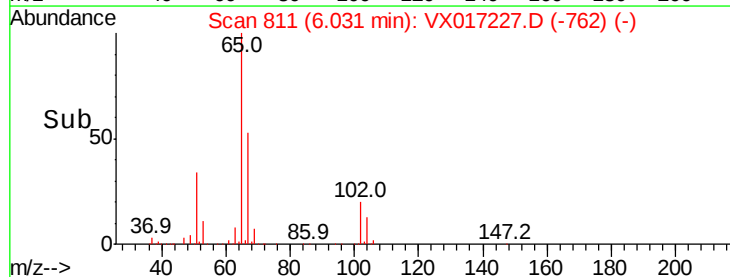
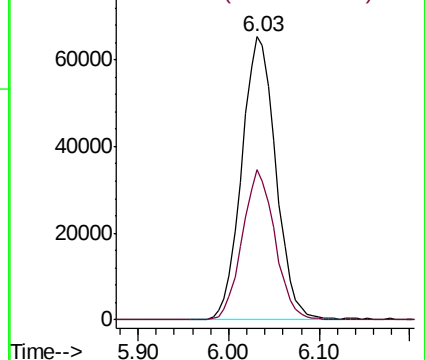
65 100

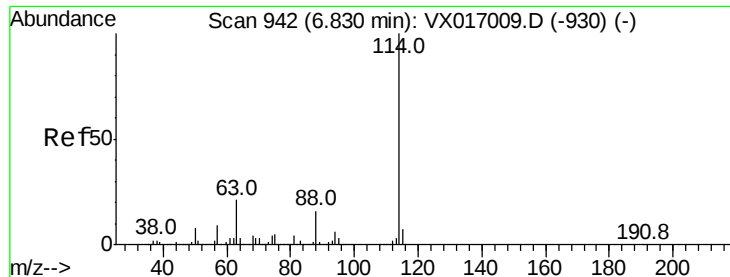
67 51.1 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-610-614

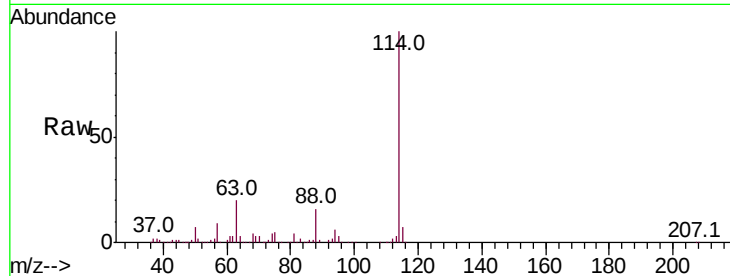
Tot Ion:114 Resp: 432078

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

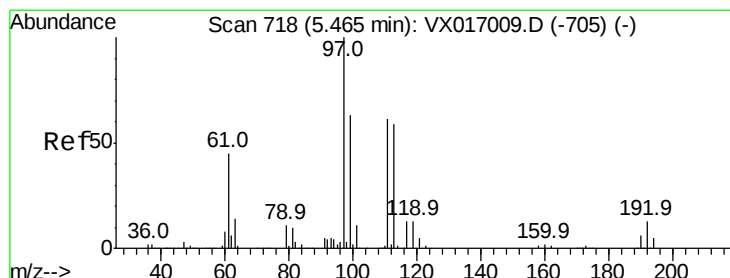
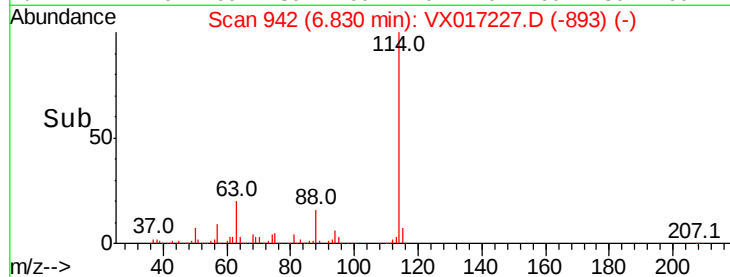
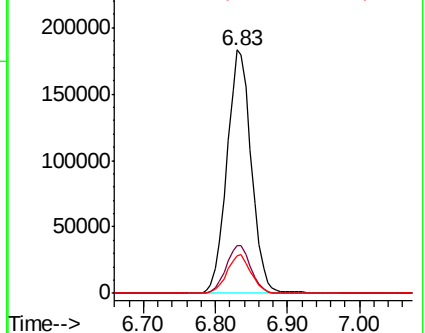
88 15.6 0.0 32.4



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: 53.600 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

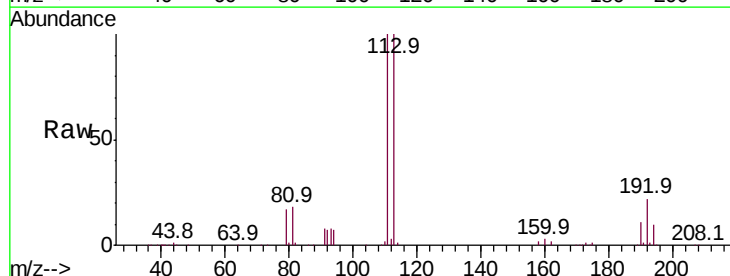
Tgt Ion:113 Resp: 146498

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

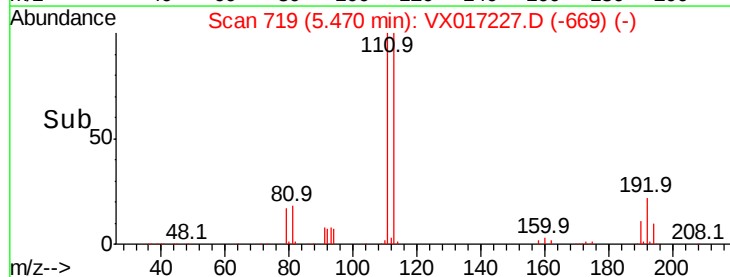
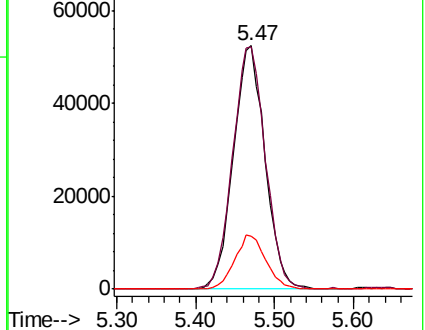
192 21.9 16.7 25.1

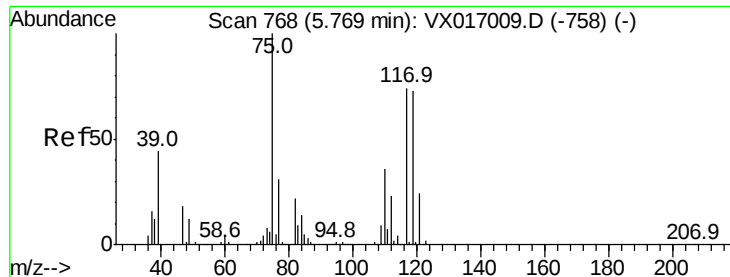


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.467 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-610-614

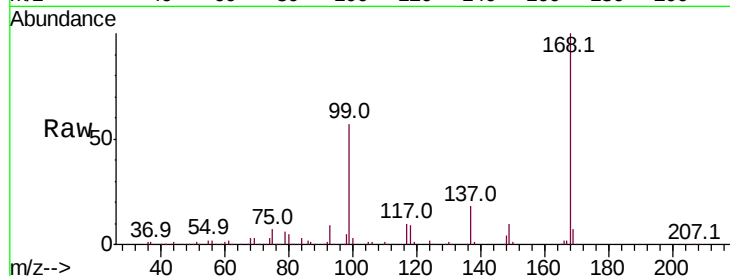
Tot Ion: 75 Resp: 18242

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

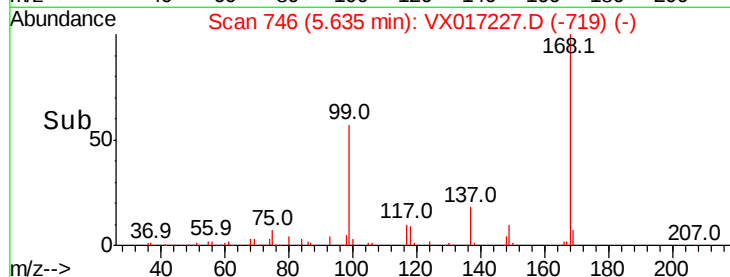
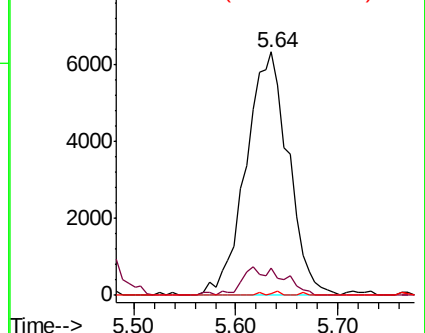
77 0.3 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

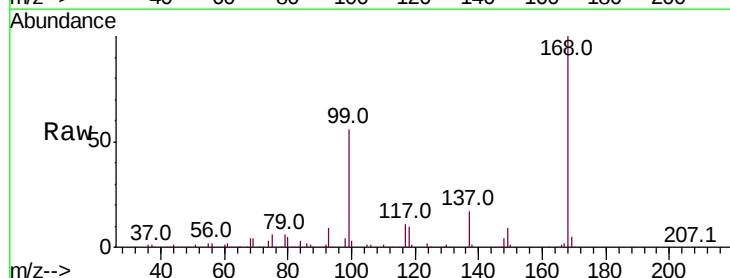
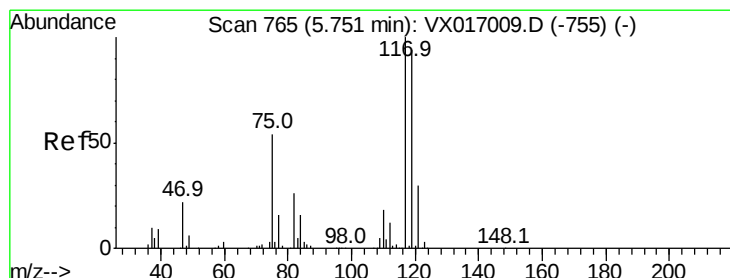
Tgt Ion: 117 Resp: 25581

Ion Ratio Lower Upper

117 100

119 7.1 75.4 113.0#

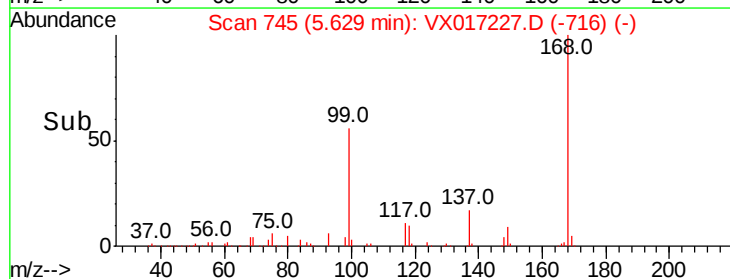
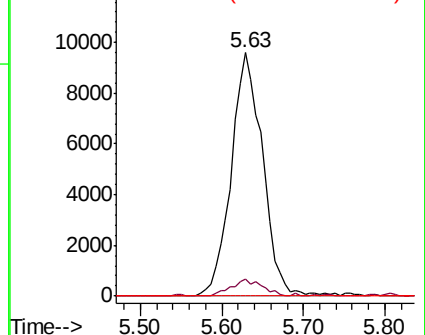
121 0.0 23.8 35.6#

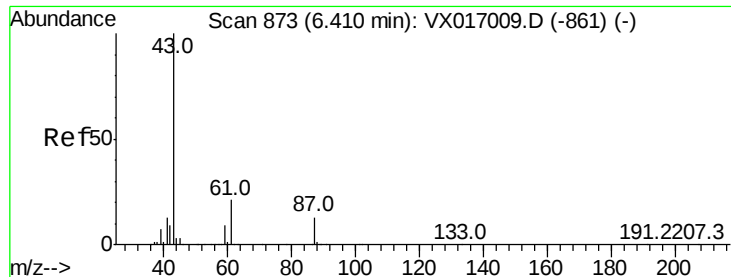


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 9.784 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-610-614

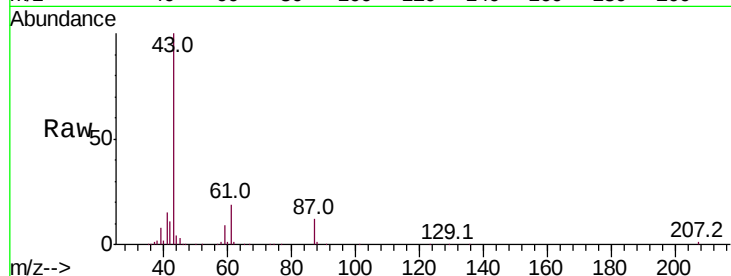
Tot Ion: 43 Resp: 67366

Ion Ratio Lower Upper

43 100

61 20.6 16.2 24.2

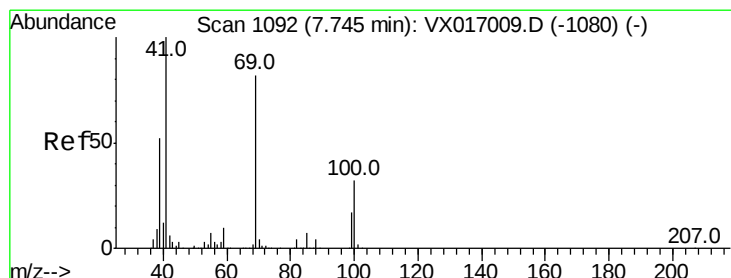
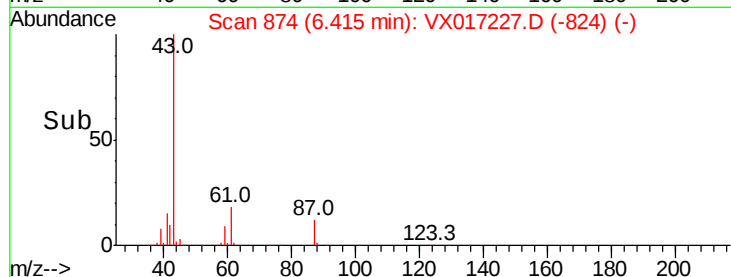
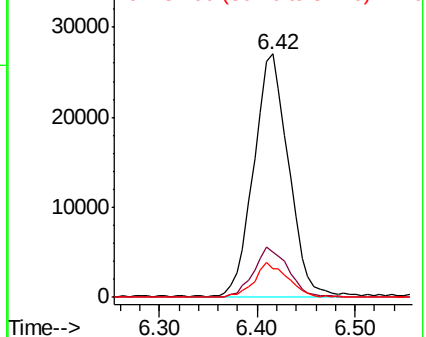
87 13.8 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.133 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

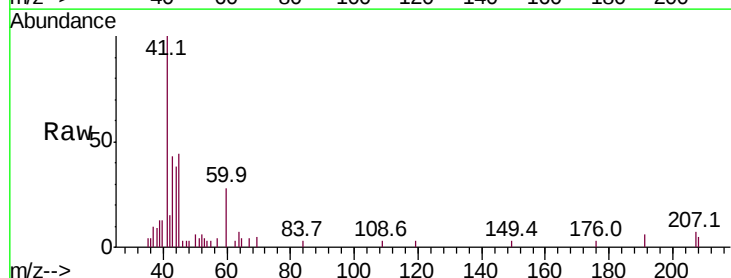
Tgt Ion: 41 Resp: 3706

Ion Ratio Lower Upper

41 100

69 1.4 65.8 98.8#

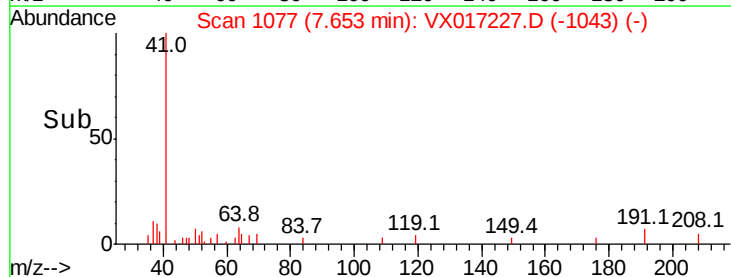
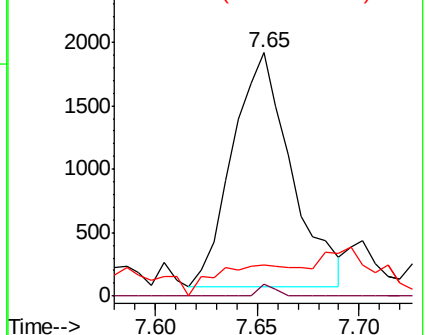
39 0.0 42.5 63.7#

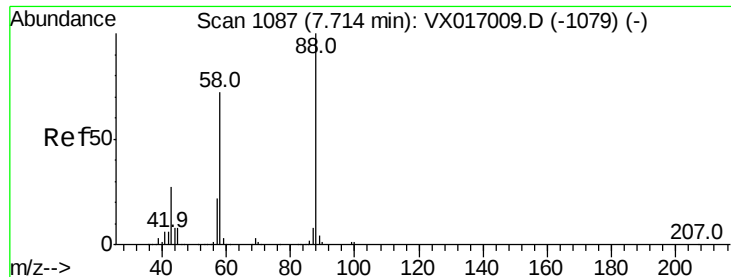


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.793 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.13 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-610-614

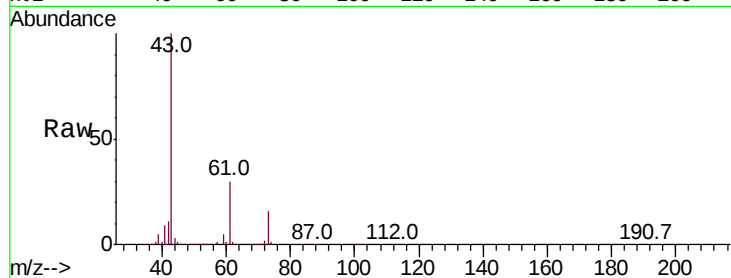
Tot Ion: 88 Resp: 207

Ion Ratio Lower Upper

88 100

43 533900.5 25.8 38.8#

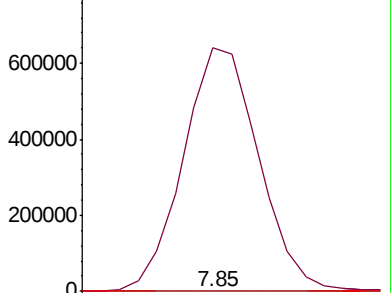
58 2584.1 54.8 82.2#



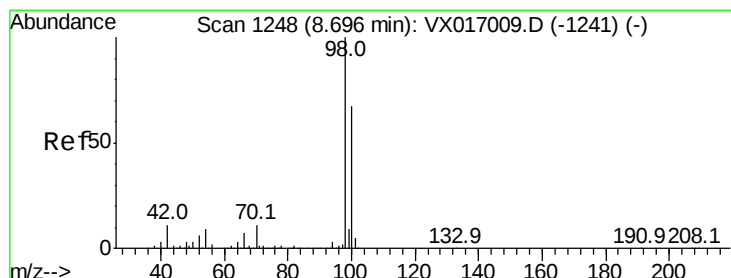
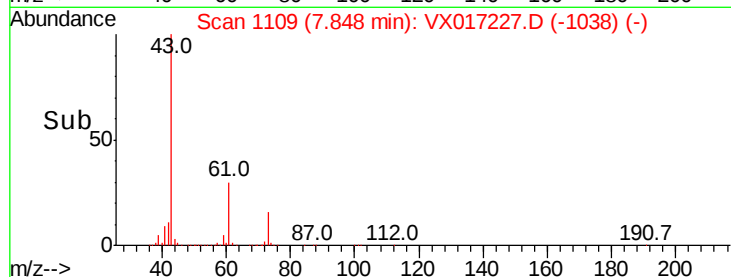
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 53.989 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017227.D

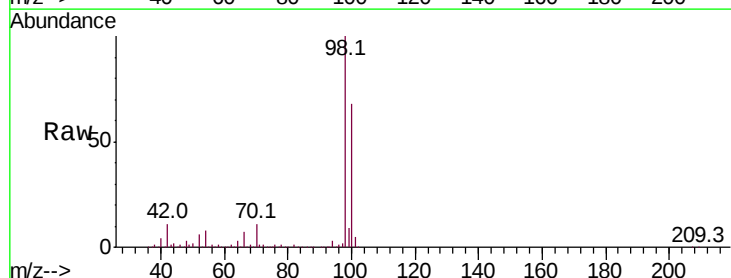
Acq: 08 Jul 2020 01:21

Tgt Ion: 98 Resp: 545660

Ion Ratio Lower Upper

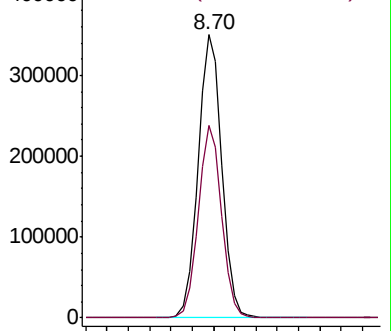
98 100

100 66.8 53.8 80.6

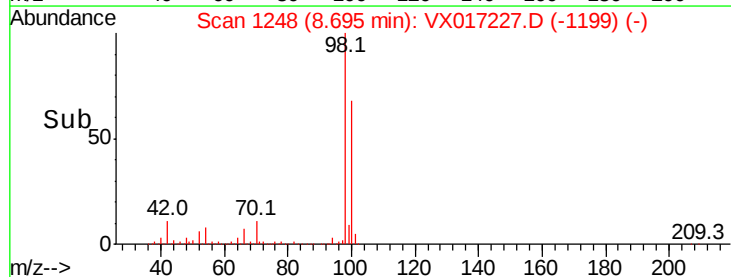


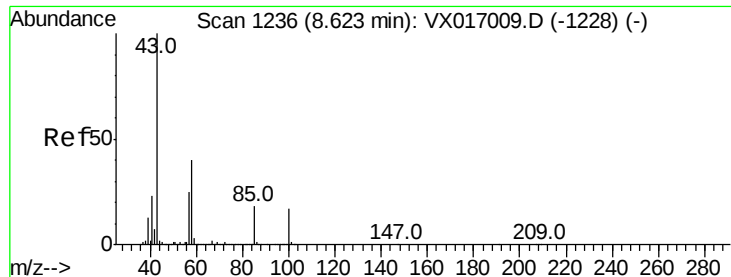
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#51

4-Methyl-2-Pentanone

Concen: 13.717 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

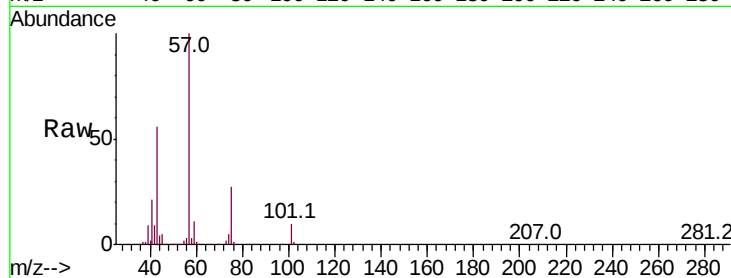
BP-MW180-SOIL-610-614

Tot Ion: 43 Resp: 56296

Ion Ratio Lower Upper

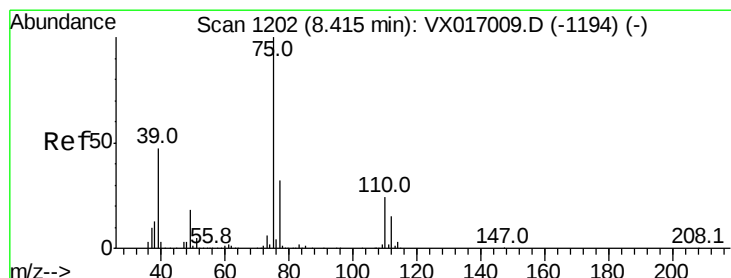
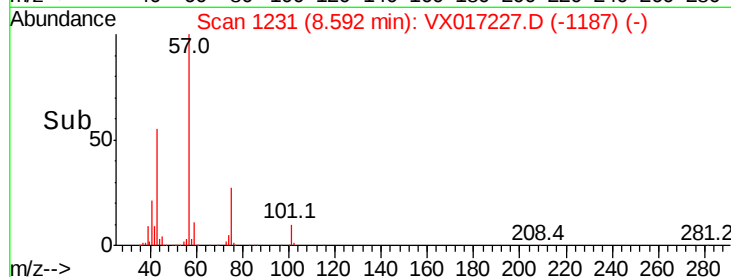
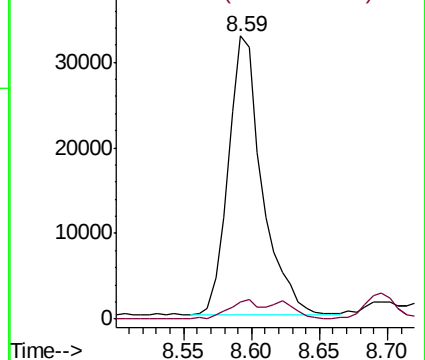
43 100

58 6.8 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 4.857 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

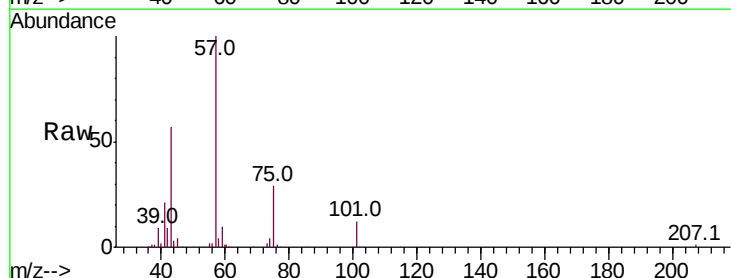
Tgt Ion: 75 Resp: 24906

Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

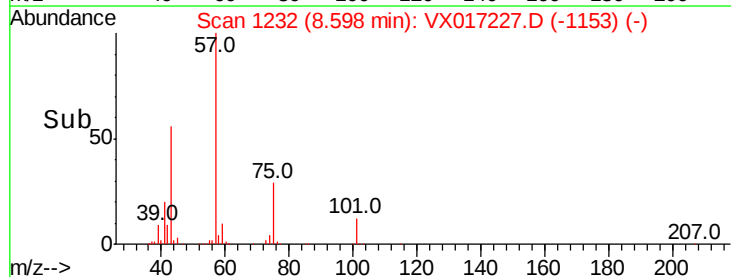
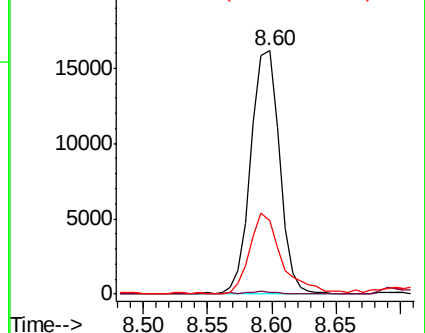
39 29.9 37.4 56.2#

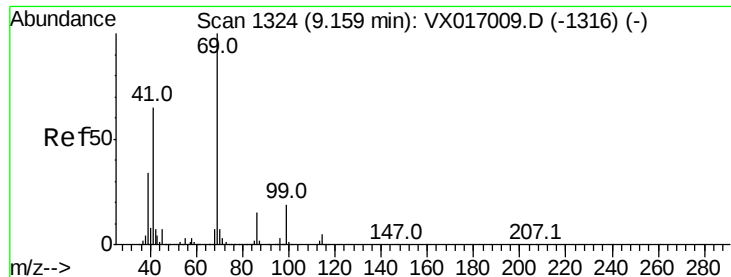


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#56

Ethyl methacrylate

Concen: 0.320 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-610-614

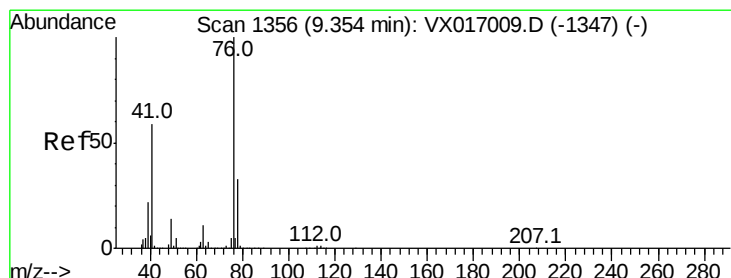
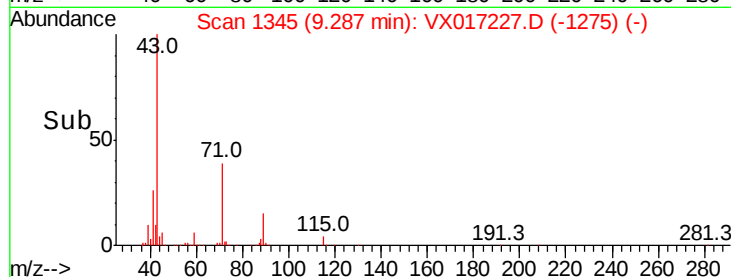
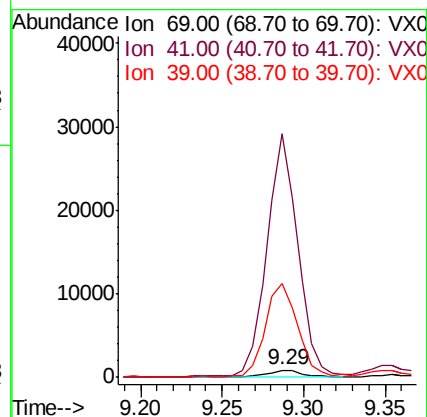
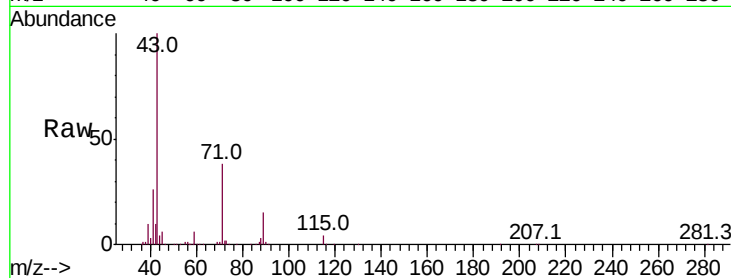
Tot Ion: 69 Resp: 1394

Ion Ratio Lower Upper

69 100

41 2719.2 53.6 80.4#

39 1090.0 28.2 42.2#



#57

1,3-Dichloropropane

Concen: 0.760 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017227.D

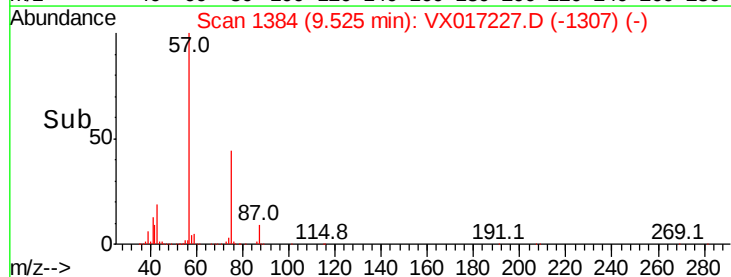
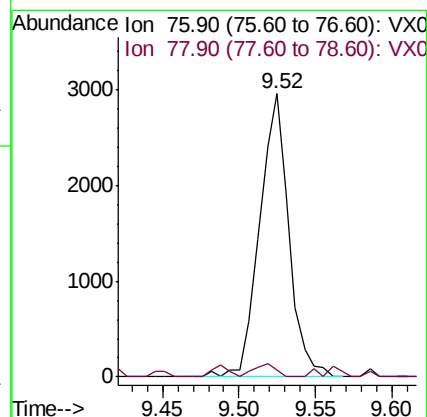
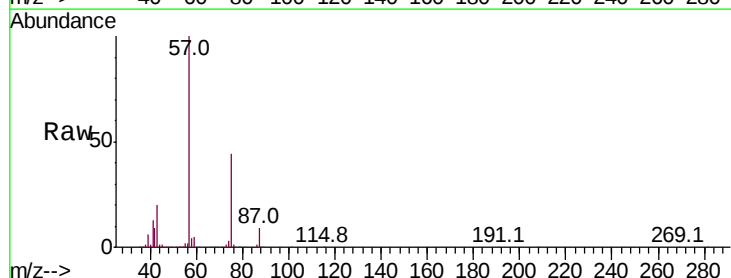
Acq: 08 Jul 2020 01:21

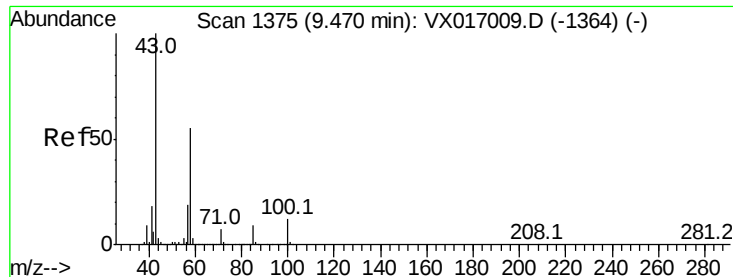
Tgt Ion: 76 Resp: 3935

Ion Ratio Lower Upper

76 100

78 3.6 25.9 38.9#

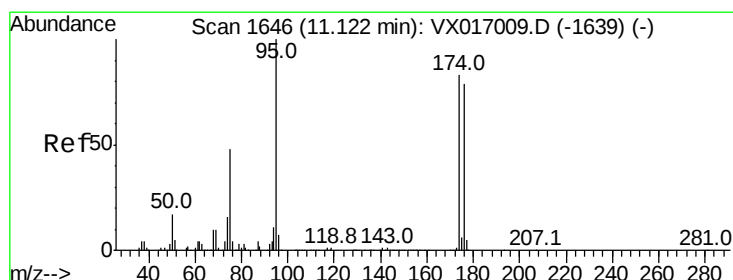
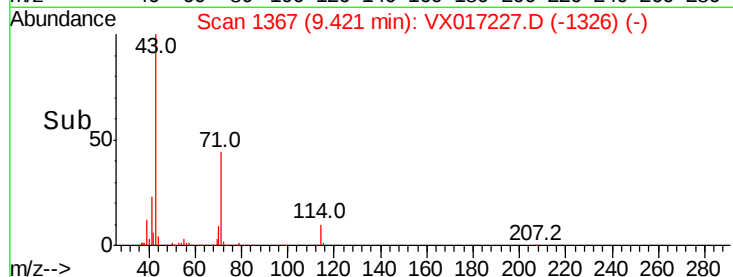
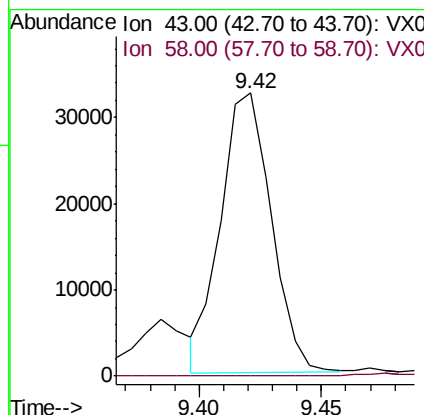
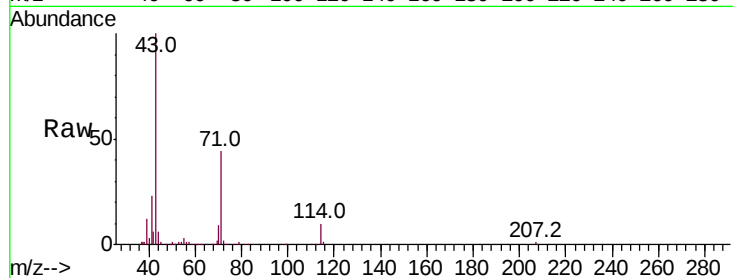




#59
2-Hexanone
Concen: 15.562 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

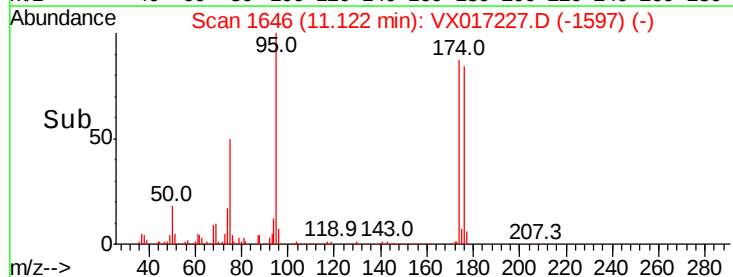
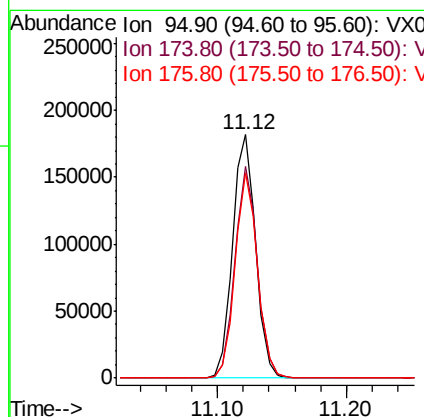
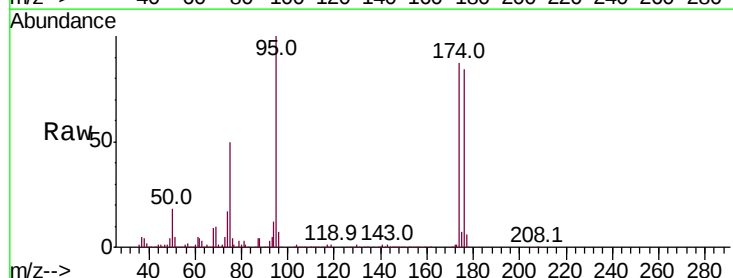
Instrument :
MSVOA_X
ClientSampleId :
BP-MW180-SOIL-610-614

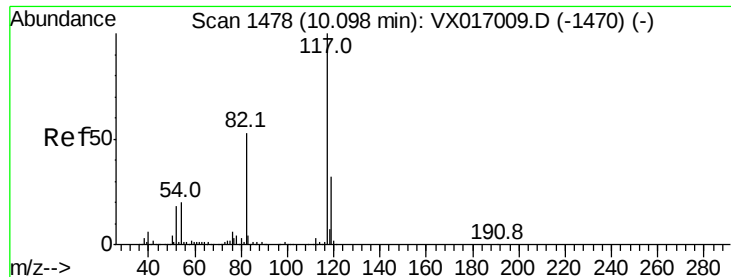
Tot Ion: 43 Resp: 46645
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 57.805 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

Tgt Ion: 95 Resp: 228382
Ion Ratio Lower Upper
95 100
174 84.7 0.0 164.0
176 81.5 0.0 157.6

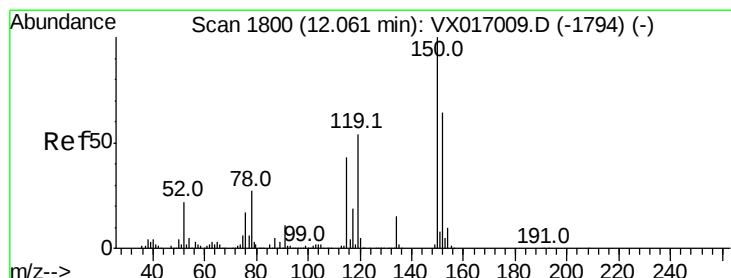
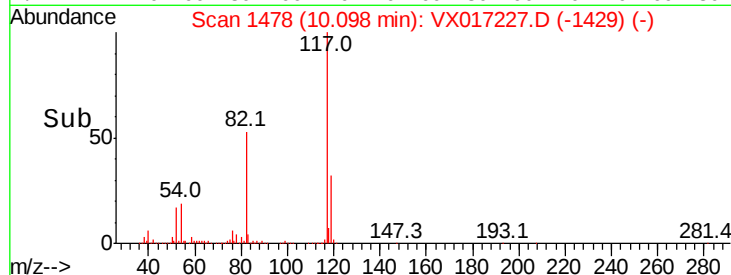
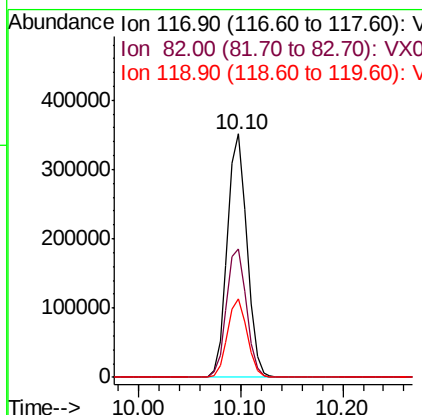
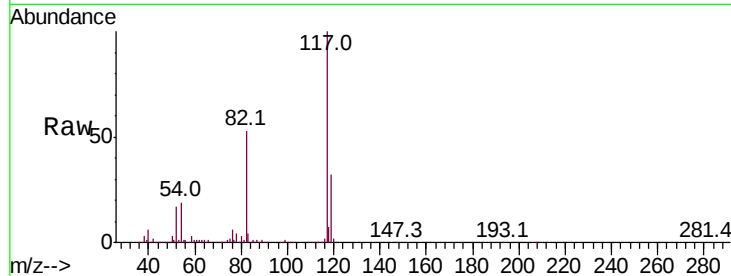




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

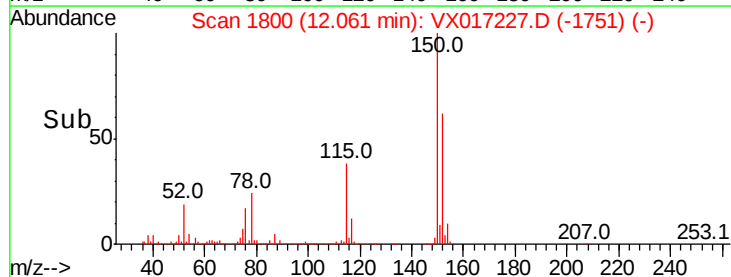
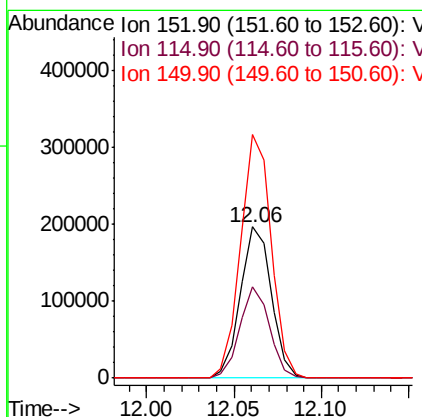
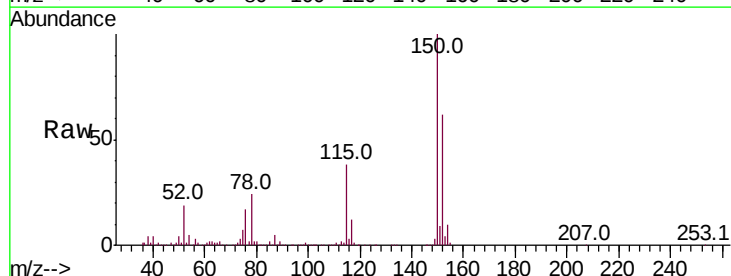
Instrument :
MSVOA_X
ClientSampleId :
BP-MW180-SOIL-610-614

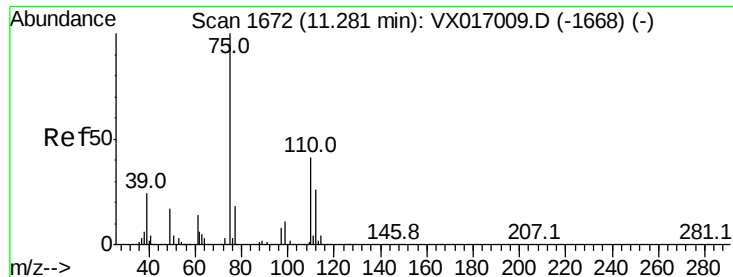
Tot Ion:117 Resp: 467739
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017227.D
Acq: 08 Jul 2020 01:21

Tgt Ion:152 Resp: 241837
Ion Ratio Lower Upper
152 100
115 58.0 40.9 122.7
150 159.7 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.649 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

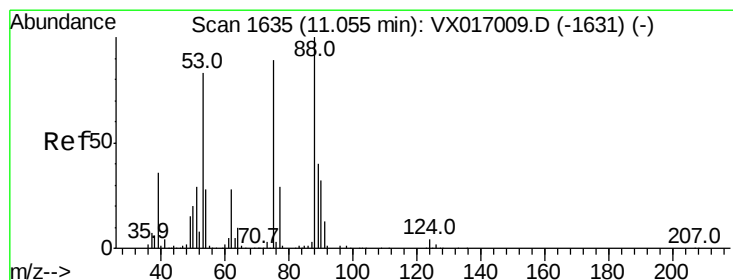
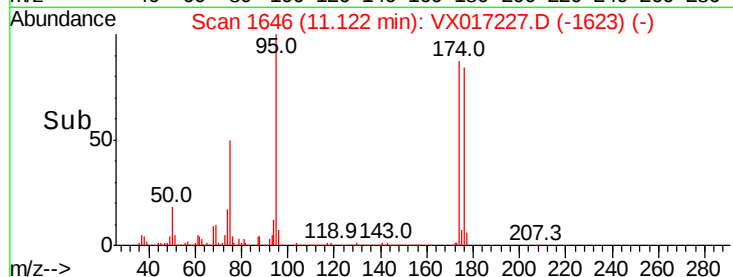
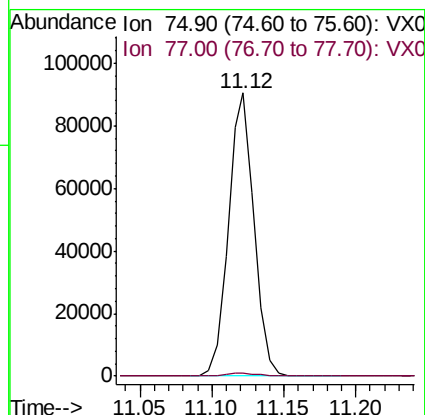
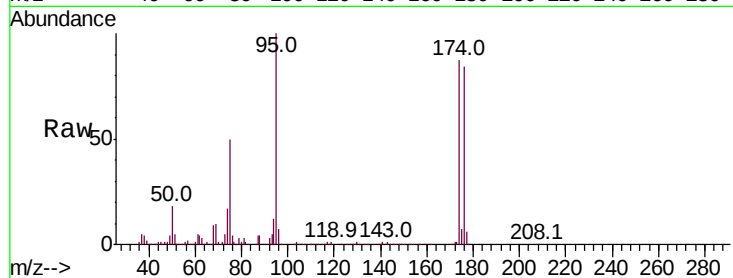
BP-MW180-SOIL-610-614

Tot Ion: 75 Resp: 112466

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.243 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

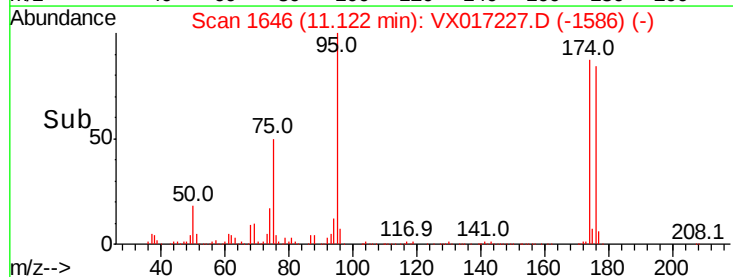
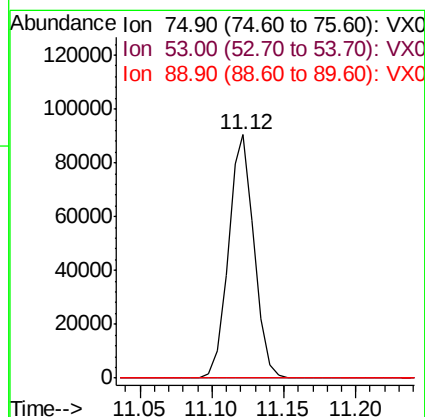
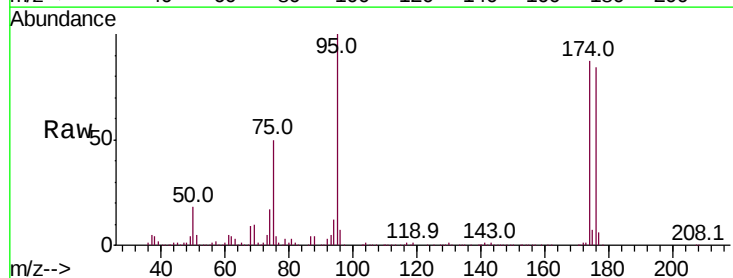
Tgt Ion: 75 Resp: 112466

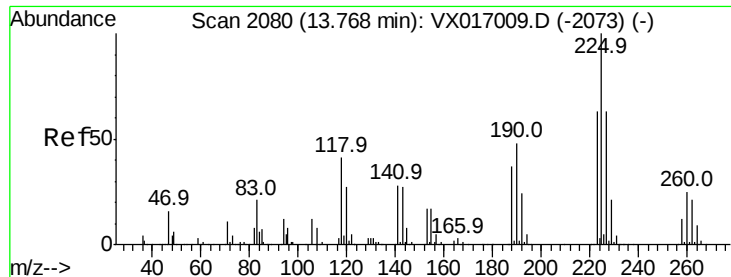
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.933 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017227.D

Acq: 08 Jul 2020 01:21

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-610-614

Tot Ion:225 Resp: 173

Ion Ratio Lower Upper

225 100

223 41.0 32.5 97.5

227 102.9 33.1 99.2#

