

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070220\
 Data File : VX017152.D
 Acq On : 02 Jul 2020 16:40
 Operator : JC/SP
 Sample : L3192-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MW180-SOIL-600-604

Quant Time: Jul 03 00:53:05 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	5.64	168	223178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	367684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	378863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	144023	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	5.47	113	124562	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
50) Toluene-d8	8.70	98	451451	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.12	95	187450	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	

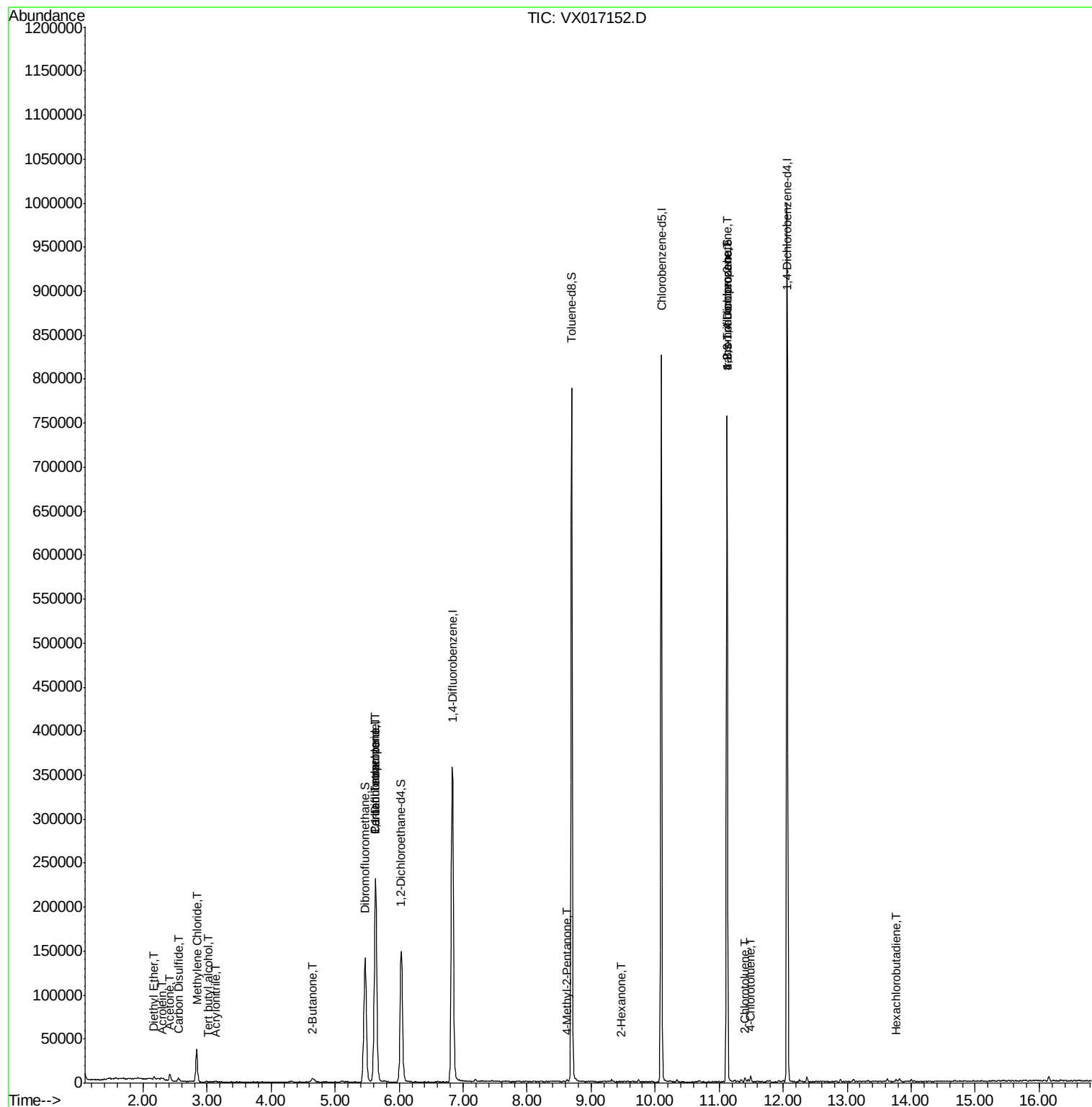
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1242	1.387	ug/l	77
11) Tert butyl alcohol	3.01	59	538	1.025	ug/l #	73
13) Acrolein	2.29	56	377	1.202	ug/l #	15
15) Acrylonitrile	3.13	53	256	0.203	ug/l #	70
16) Acetone	2.42	43	9265	9.002	ug/l	95
17) Carbon Disulfide	2.55	76	4899	0.818	ug/l	96
20) Methylene Chloride	2.84	84	17341	6.668	ug/l	93
25) 2-Butanone	4.65	43	2041	1.190	ug/l	96
36) 1,1-Dichloropropene	5.64	75	16480	4.742	ug/l #	51
38) Carbon Tetrachloride	5.64	117	22208	5.802	ug/l #	16
44) Trichloroethene	7.18	130	768	Below Cal		81
51) 4-Methyl-2-Pentanone	8.62	43	1130	0.324	ug/l	92
59) 2-Hexanone	9.47	43	666	0.261	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	94051	23.794	ug/l #	37
79) 2-Chlorotoluene	11.40	91	2117	0.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	94051	61.619	ug/l #	13
82) 4-Chlorotoluene	11.49	91	2699	0.251	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	1100	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	366	1.070	ug/l #	66

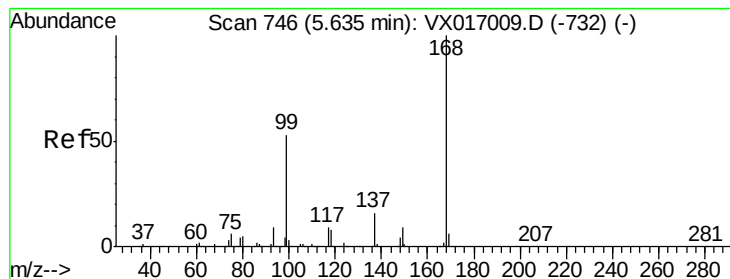
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

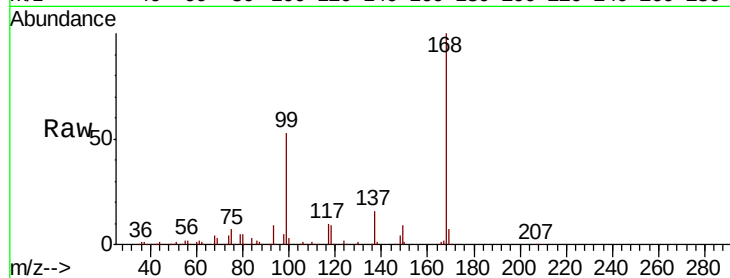
BP-MW180-SOIL-600-604

Tot Ion:168 Resp: 223178

Ion Ratio Lower Upper

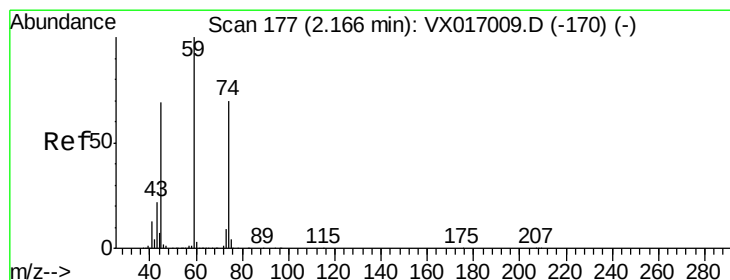
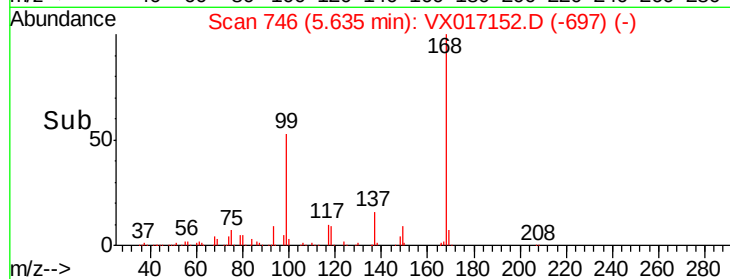
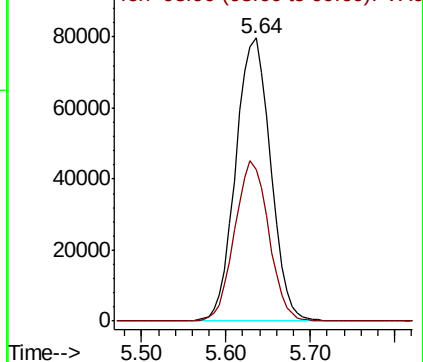
168 100

99 53.5 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: 1.387 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017152.D

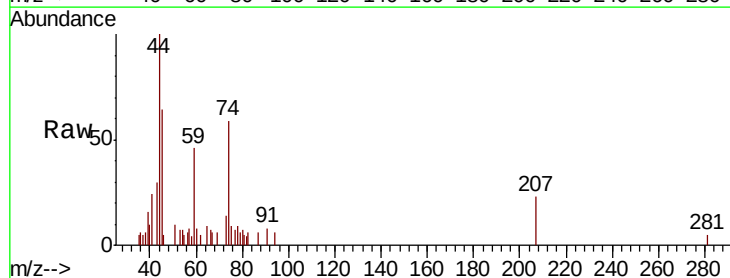
Acq: 02 Jul 2020 16:40

Tgt Ion: 74 Resp: 1242

Ion Ratio Lower Upper

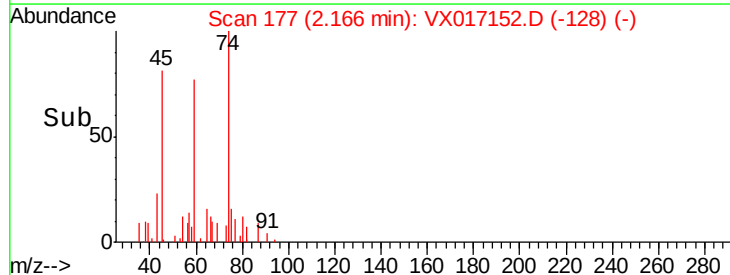
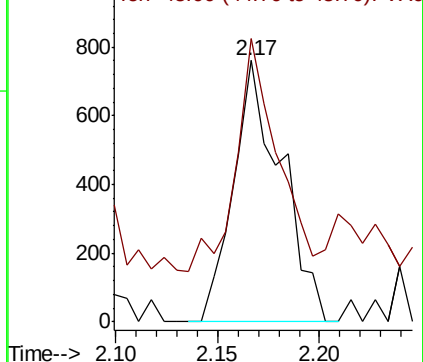
74 100

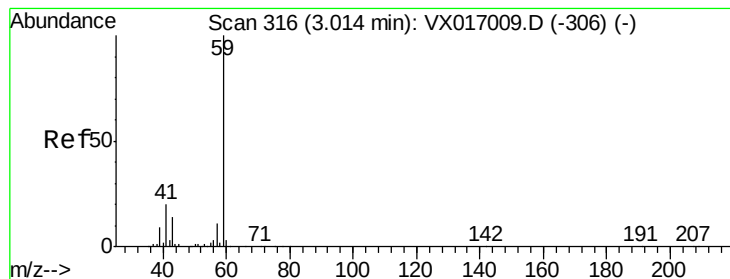
45 76.4 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



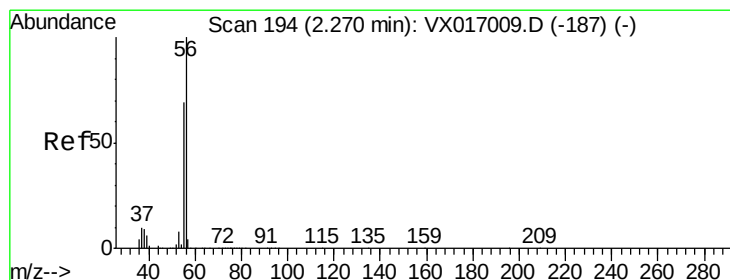
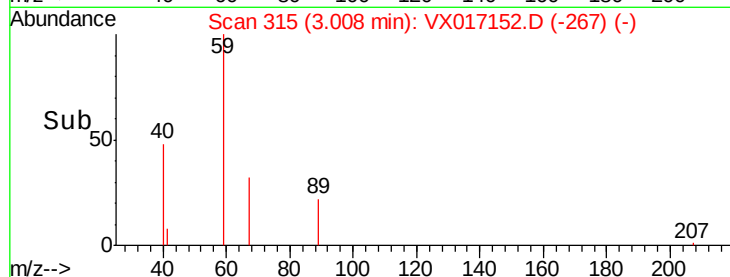
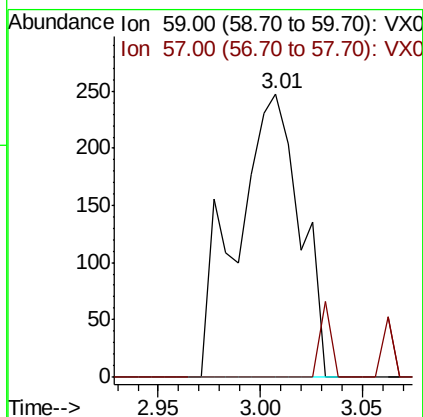
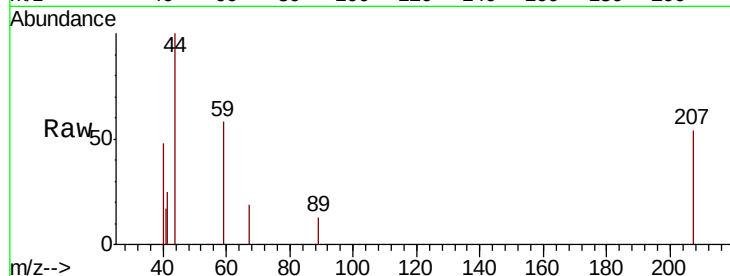


#11

Tert butyl alcohol
 Concen: 1.025 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX017152.D
 Acq: 02 Jul 2020 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MW180-SOIL-600-604

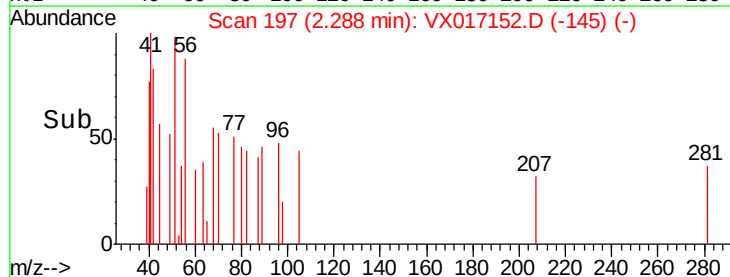
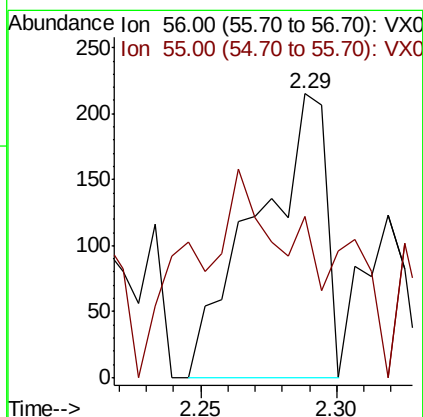
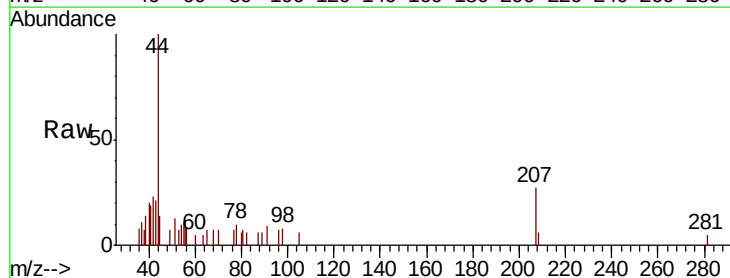
Tot Ion: 59 Resp: 538
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

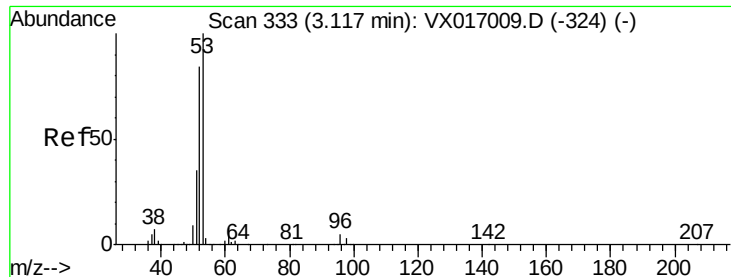


#13

Acrolein
 Concen: 1.202 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VX017152.D
 Acq: 02 Jul 2020 16:40

Tgt Ion: 56 Resp: 377
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.7 83.5#





#15

Acrylonitrile

Concen: 0.203 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-600-604

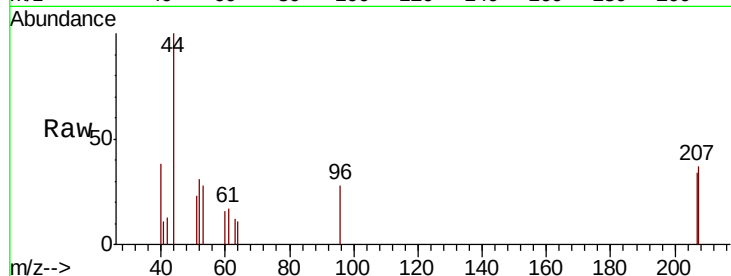
Tot Ion: 53 Resp: 256

Ion Ratio Lower Upper

53 100

52 66.8 65.6 98.4

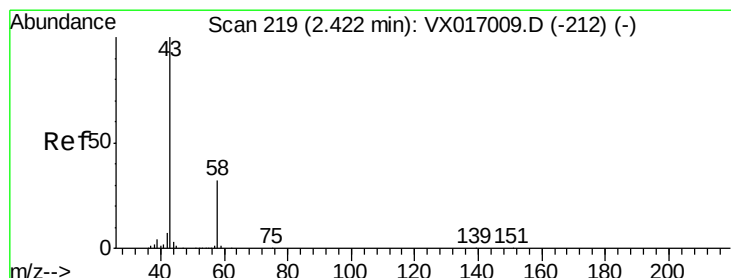
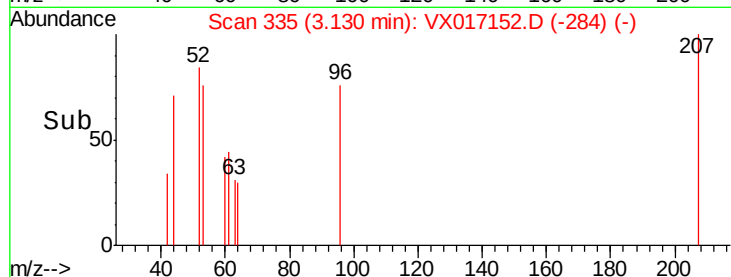
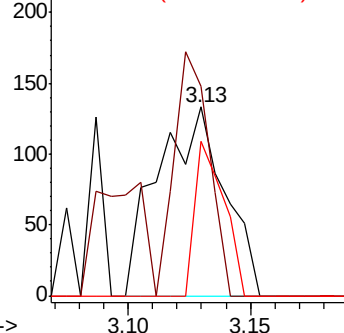
51 0.0 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 9.002 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017152.D

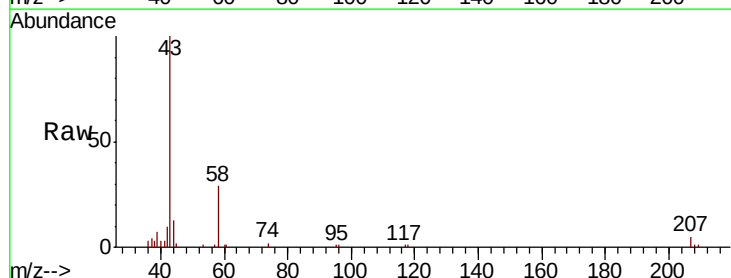
Acq: 02 Jul 2020 16:40

Tgt Ion: 43 Resp: 9265

Ion Ratio Lower Upper

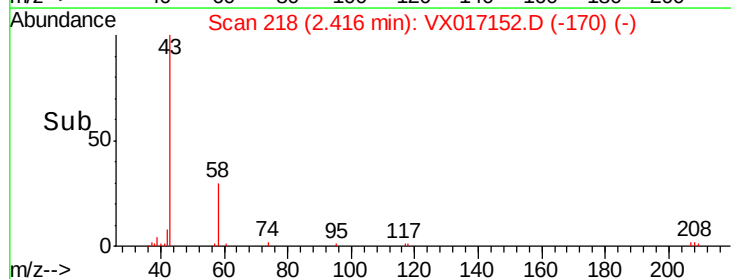
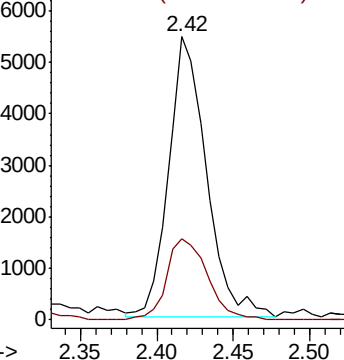
43 100

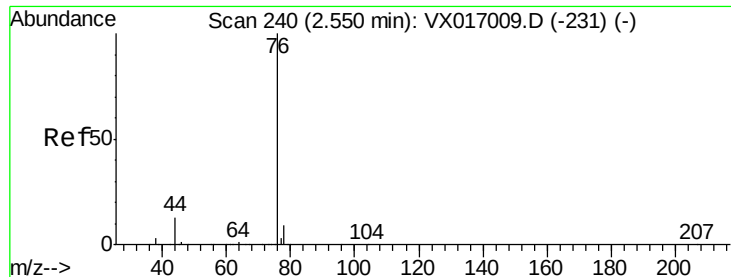
58 29.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.818 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

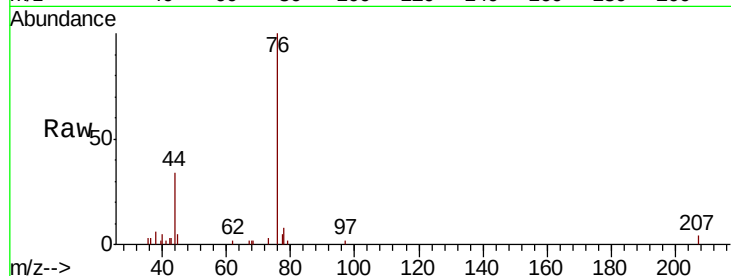
BP-MW180-SOIL-600-604

Tot Ion: 76 Resp: 4899

Ion Ratio Lower Upper

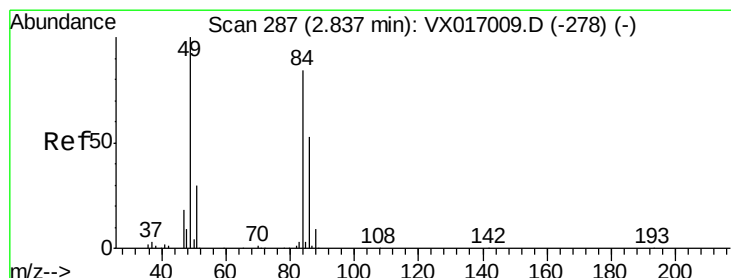
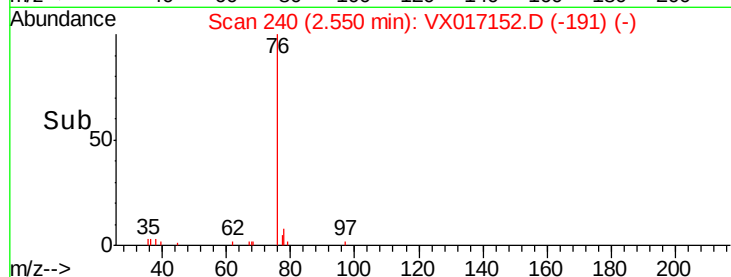
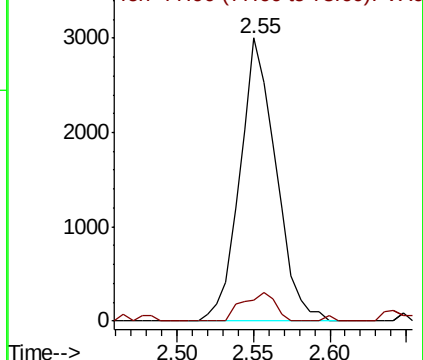
76 100

78 7.5 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: 6.668 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Tgt Ion: 84 Resp: 17341

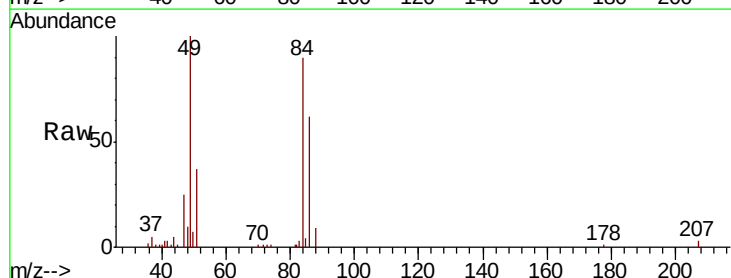
Ion Ratio Lower Upper

84 100

49 111.6 94.7 142.1

51 41.5 28.6 42.8

86 68.9 50.5 75.7

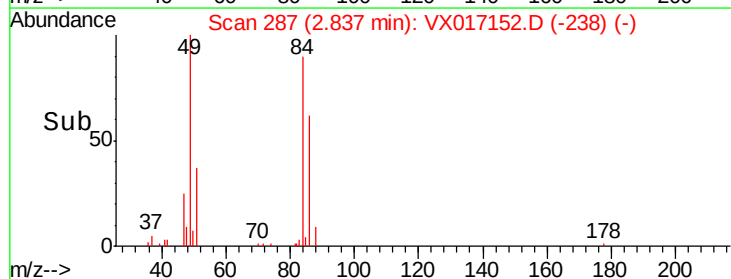
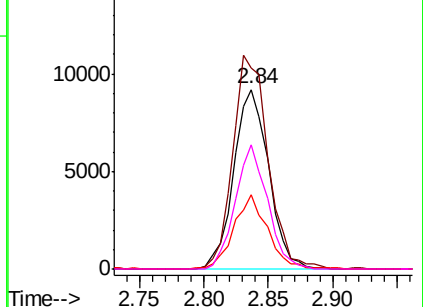


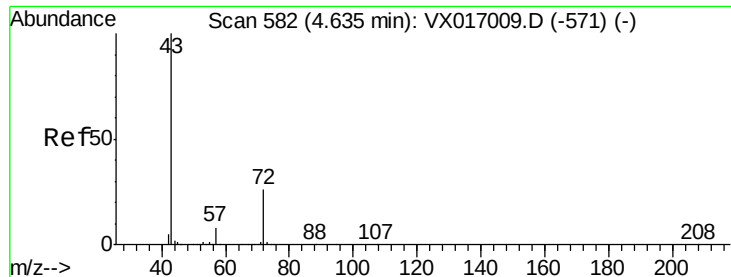
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.190 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

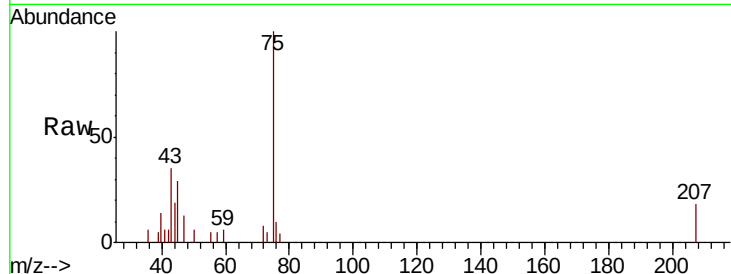
BP-MW180-SOIL-600-604

Tot Ion: 43 Resp: 2041

Ion Ratio Lower Upper

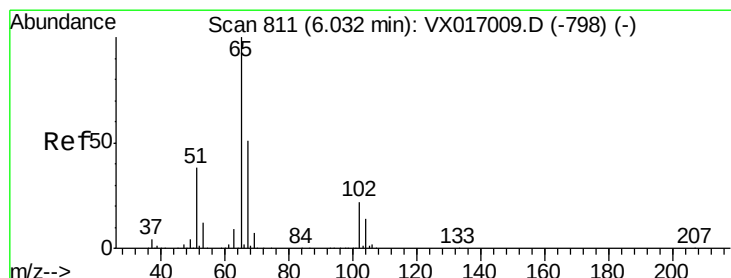
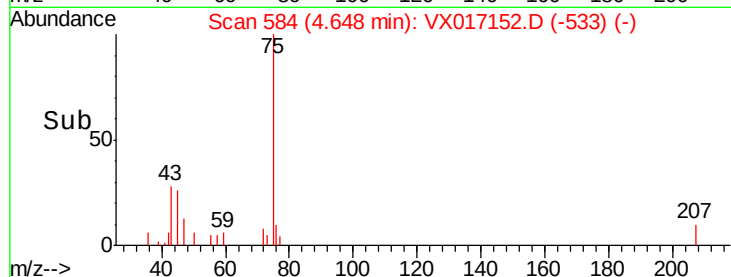
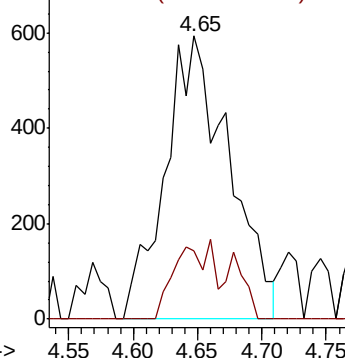
43 100

72 24.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.347 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017152.D

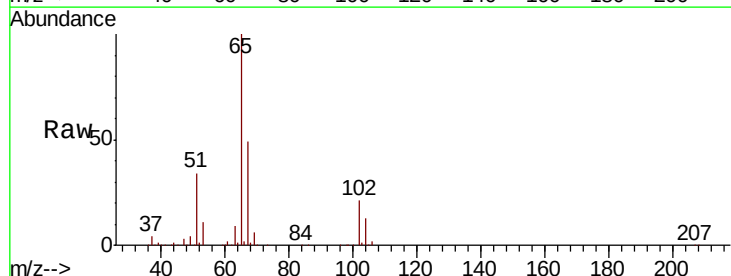
Acq: 02 Jul 2020 16:40

Tgt Ion: 65 Resp: 144023

Ion Ratio Lower Upper

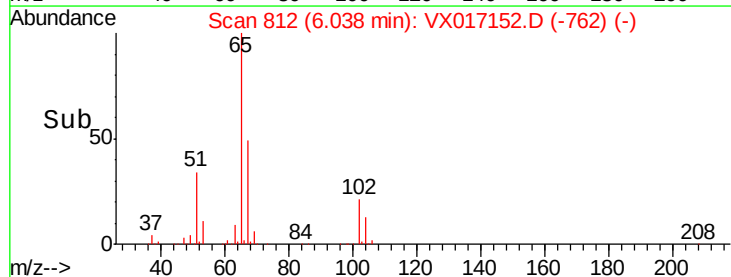
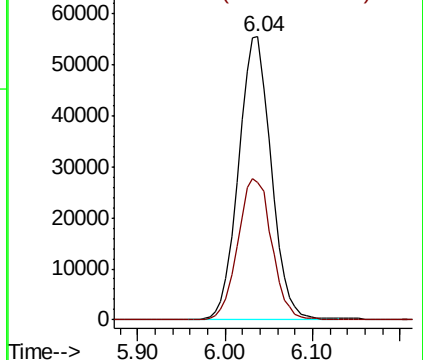
65 100

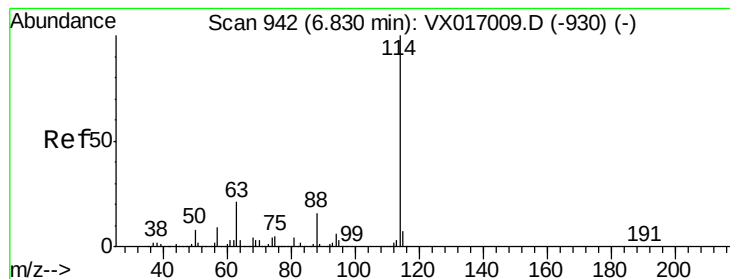
67 51.8 0.0 103.8



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: VX017152.D

Acq: 02 Jul 2020 16:40

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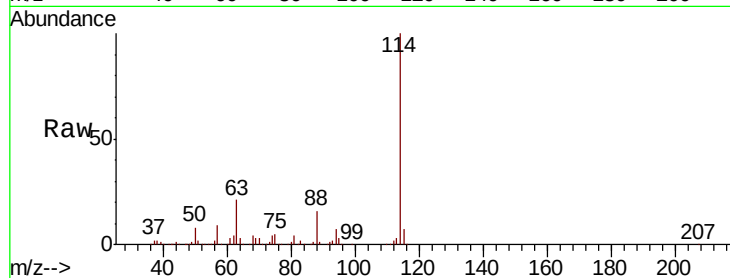
Tot Ion:114 Resp: 367684

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.4

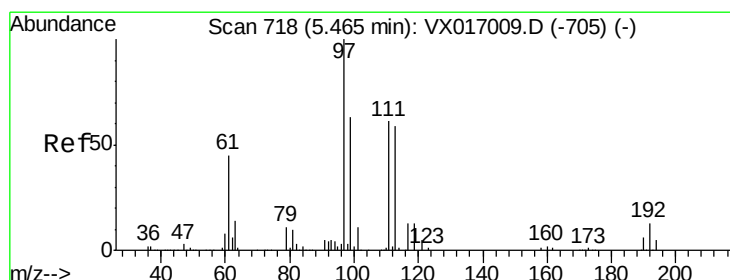
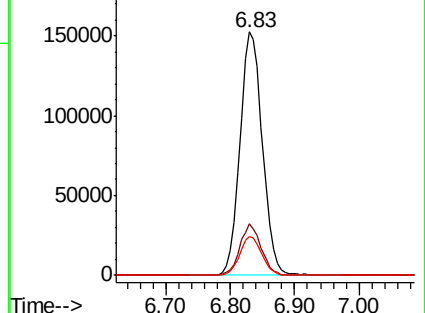
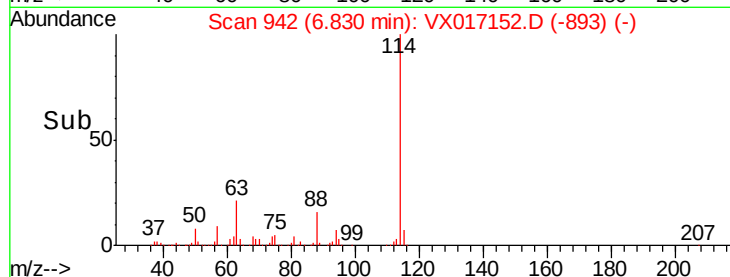
88 16.0 0.0 32.4



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: 53.555 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

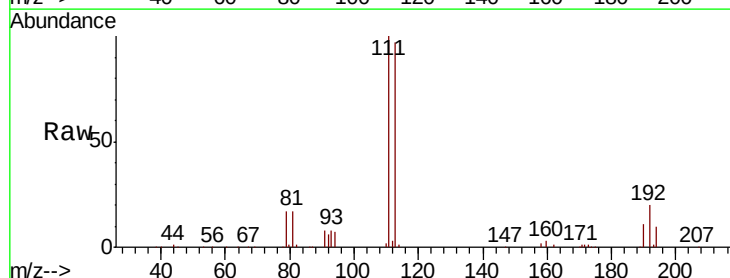
Tgt Ion:113 Resp: 124562

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

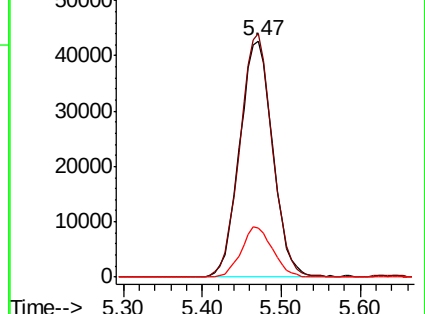
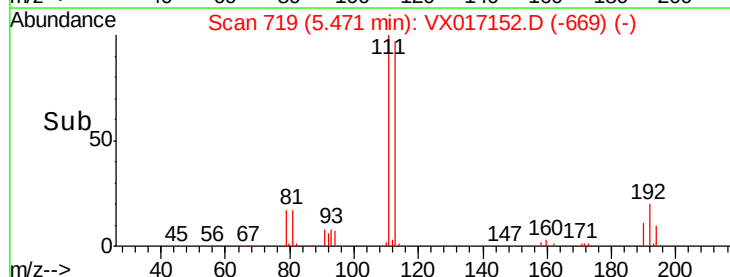
192 20.3 16.7 25.1

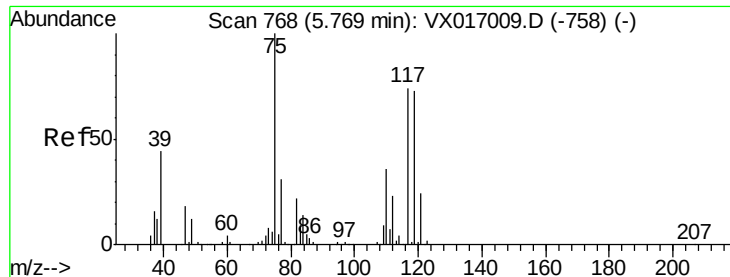


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.742 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

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BP-MW180-SOIL-600-604

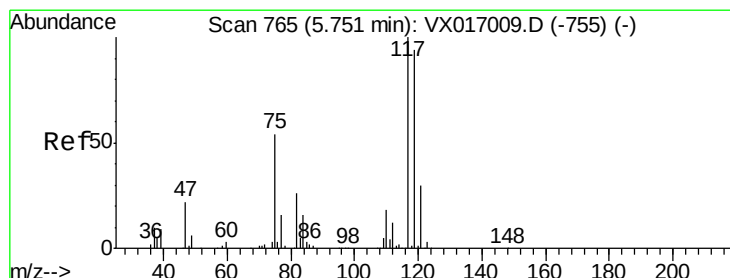
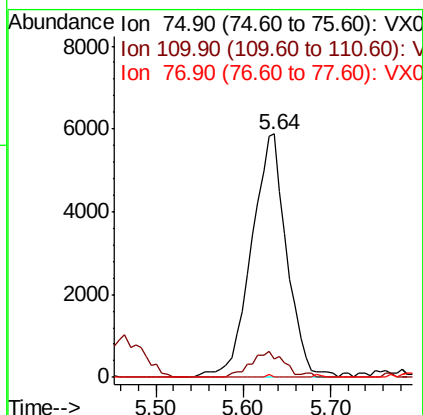
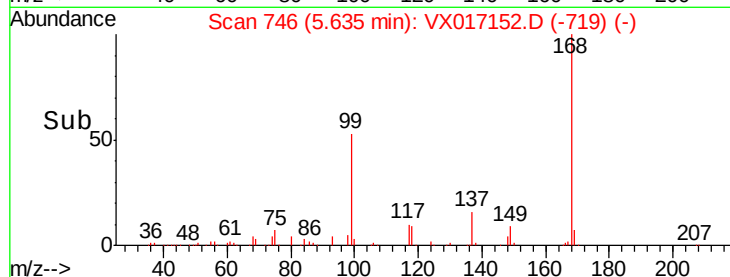
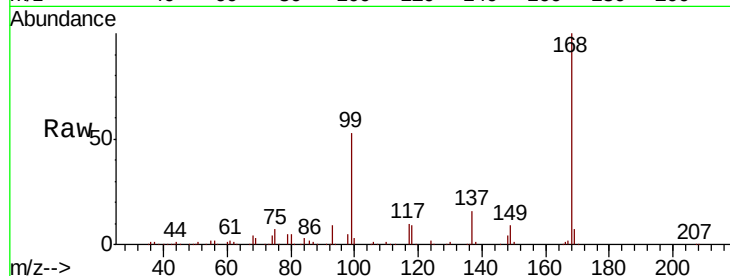
Tot Ion: 75 Resp: 16480

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.802 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

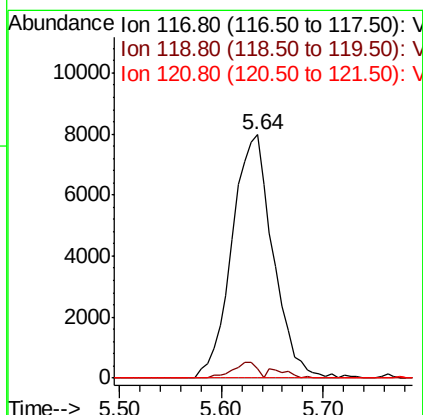
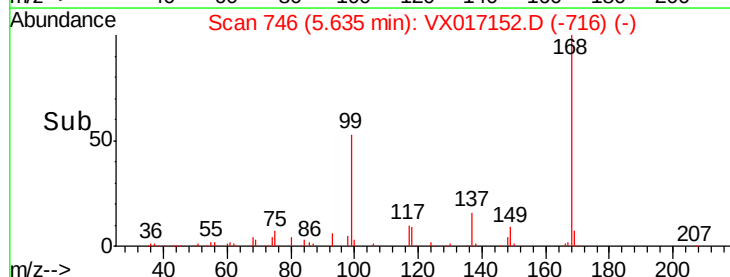
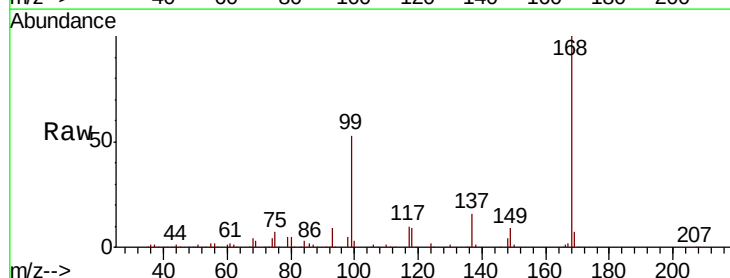
Tgt Ion:117 Resp: 22208

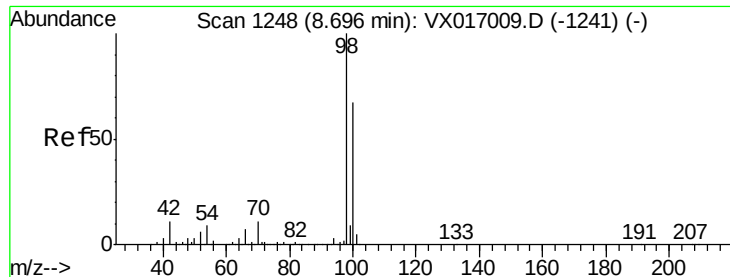
Ion Ratio Lower Upper

117 100

119 4.0 75.4 113.0#

121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 52.491 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

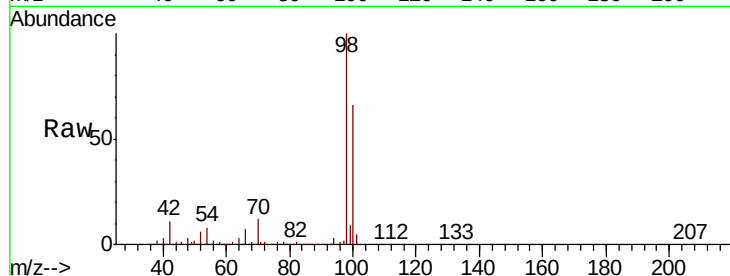
BP-MW180-SOIL-600-604

Tot Ion: 98 Resp: 451451

Ion Ratio Lower Upper

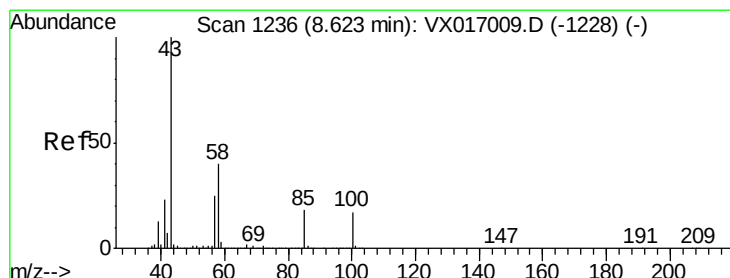
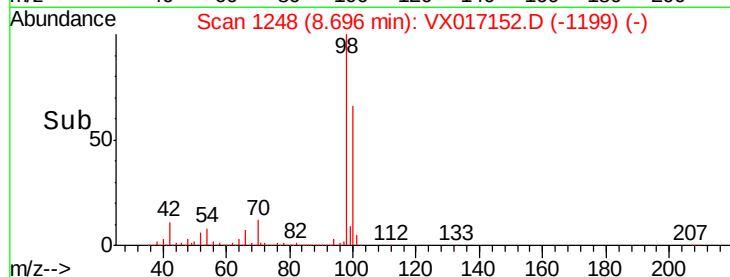
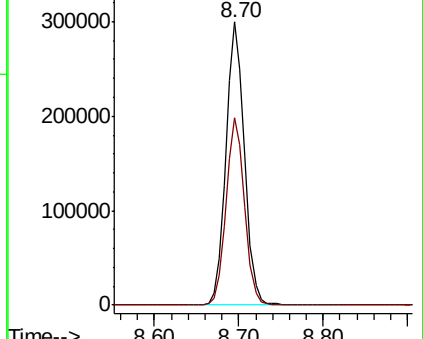
98 100

100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.324 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017152.D

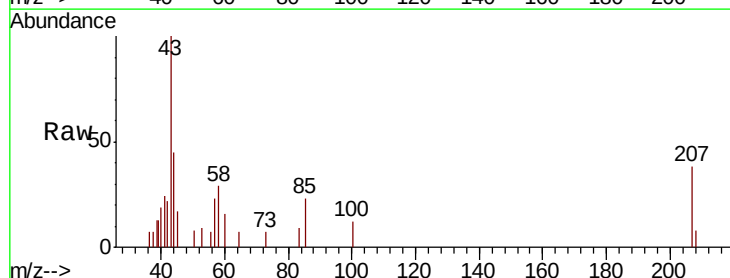
Acq: 02 Jul 2020 16:40

Tgt Ion: 43 Resp: 1130

Ion Ratio Lower Upper

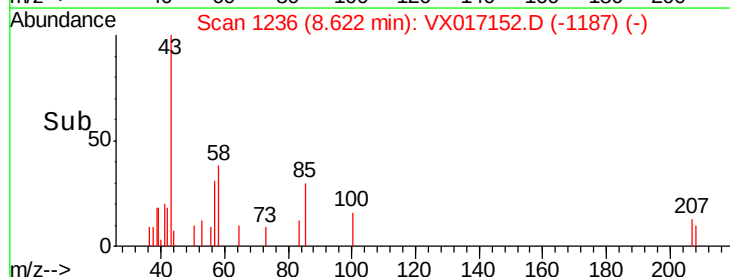
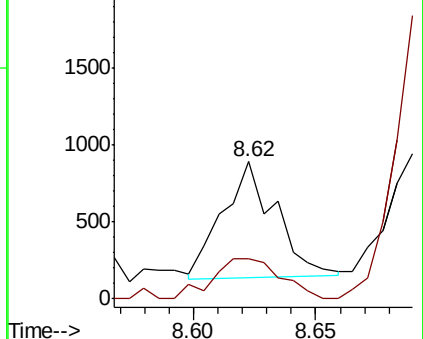
43 100

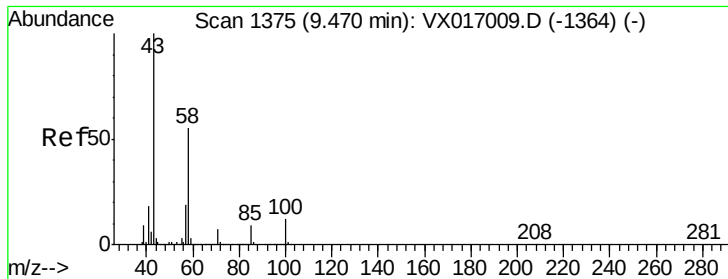
58 45.1 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

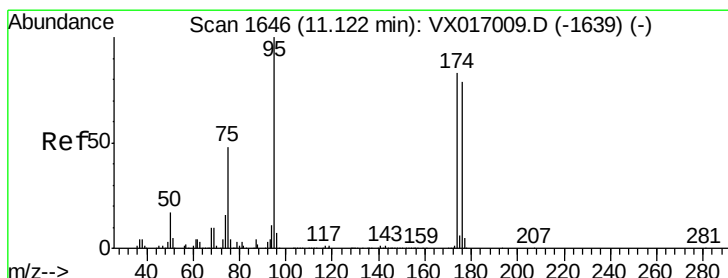
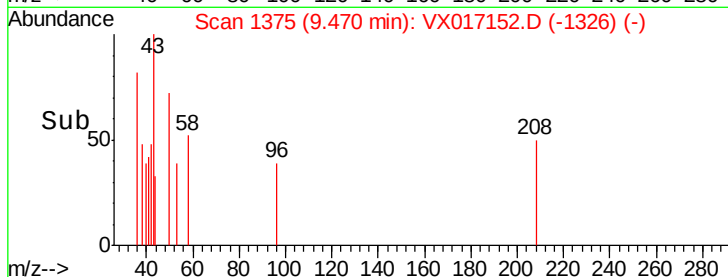
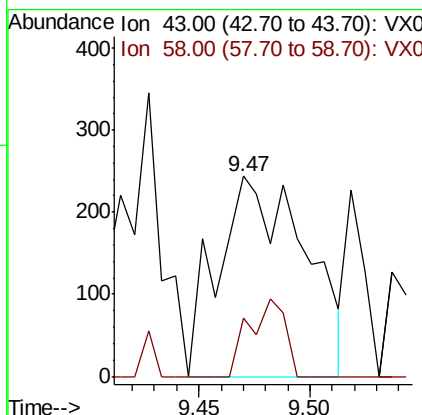
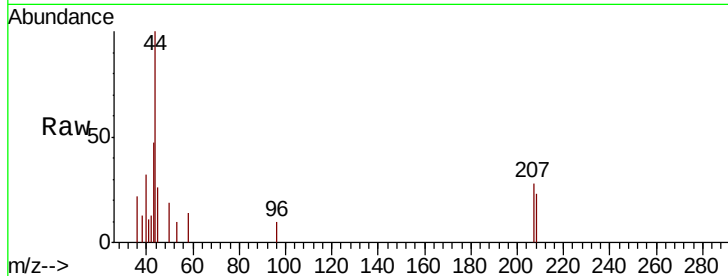




#59
2-Hexanone
Concen: 0.261 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017152.D
Acq: 02 Jul 2020 16:40

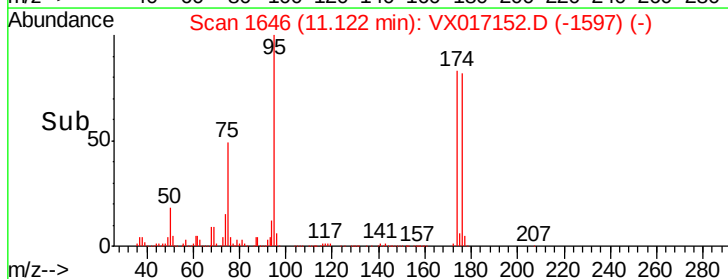
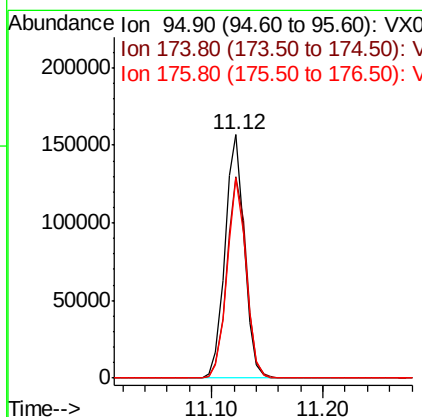
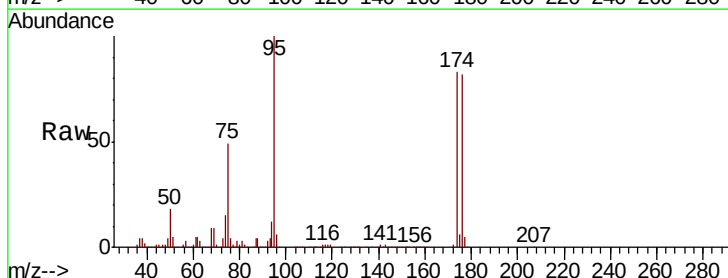
Instrument :
MSVOA_X
ClientSampleId :
BP-MW180-SOIL-600-604

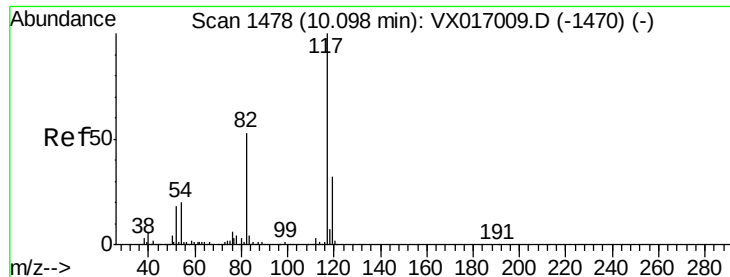
Tot Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 16.2 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 55.755 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017152.D
Acq: 02 Jul 2020 16:40

Tgt Ion: 95 Resp: 187450
Ion Ratio Lower Upper
95 100
174 84.2 0.0 164.0
176 80.9 0.0 157.6

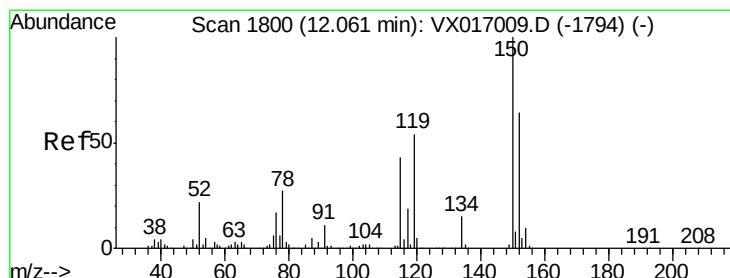
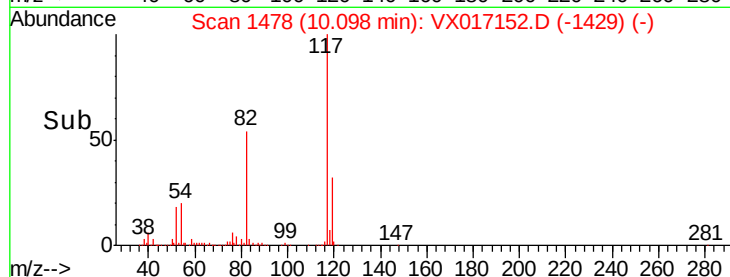
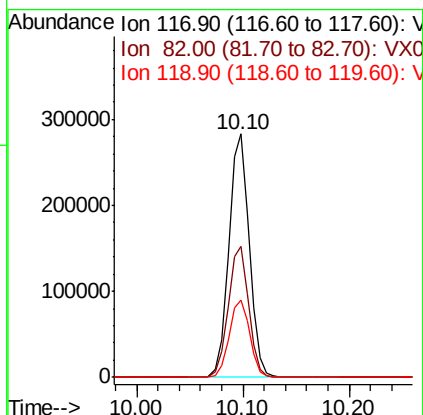
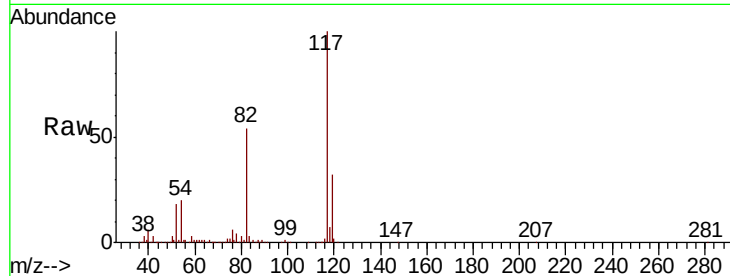




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017152.D
Acq: 02 Jul 2020 16:40

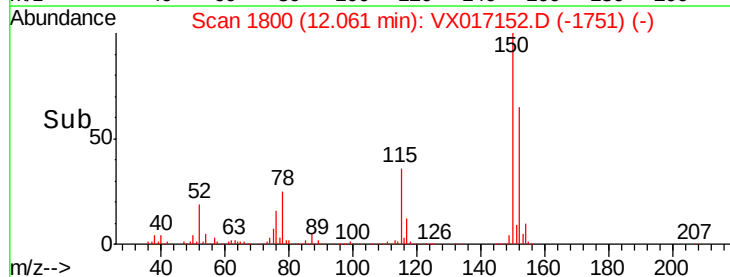
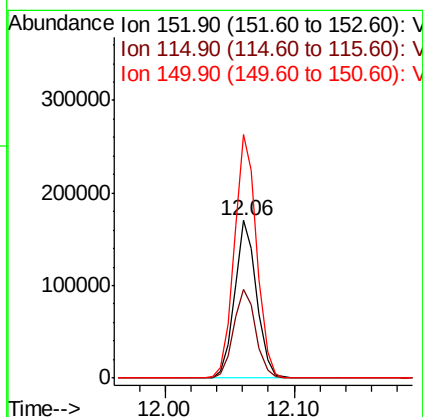
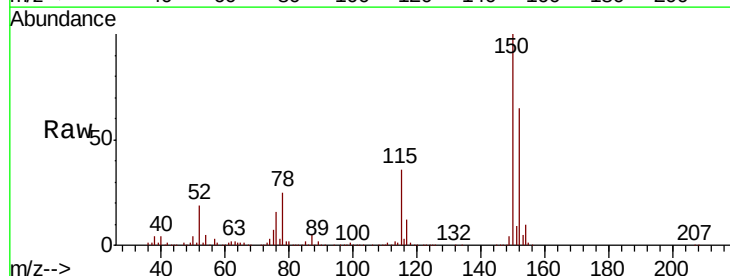
Instrument :
MSVOA_X
ClientSampleId :
BP-MW180-SOIL-600-604

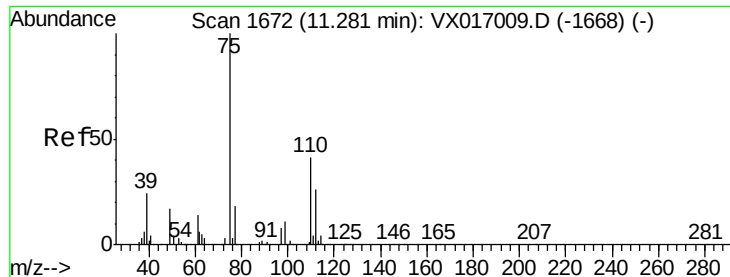
Tot Ion:117 Resp: 378863
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017152.D
Acq: 02 Jul 2020 16:40

Tgt Ion:152 Resp: 201006
Ion Ratio Lower Upper
152 100
115 57.3 40.9 122.7
150 157.6 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

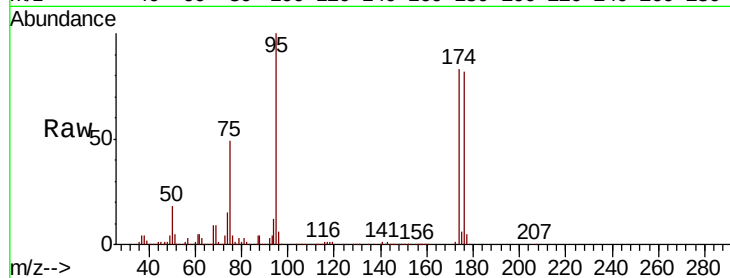
BP-MW180-SOIL-600-604

Tot Ion: 75 Resp: 94051

Ion Ratio Lower Upper

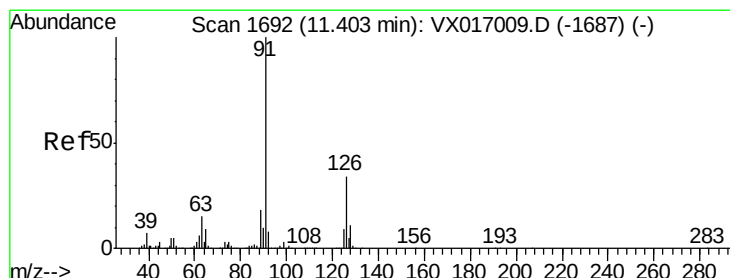
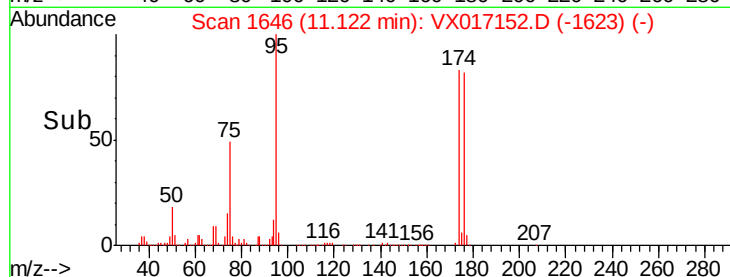
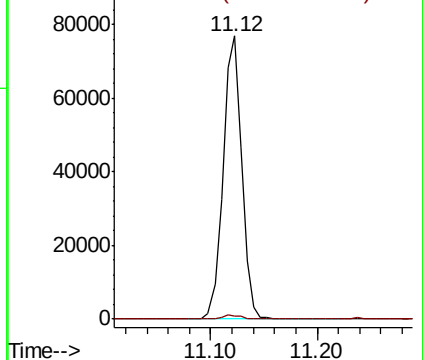
75 100

77 1.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#79

2-Chlorotoluene

Concen: 0.235 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017152.D

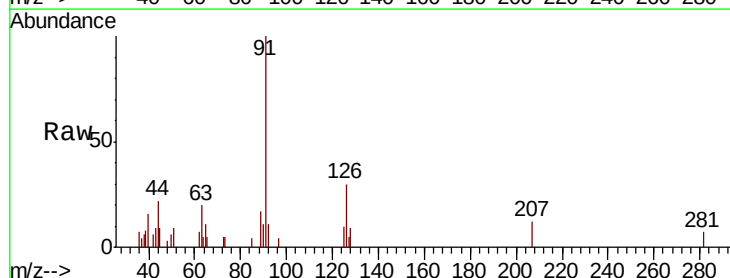
Acq: 02 Jul 2020 16:40

Tgt Ion: 91 Resp: 2117

Ion Ratio Lower Upper

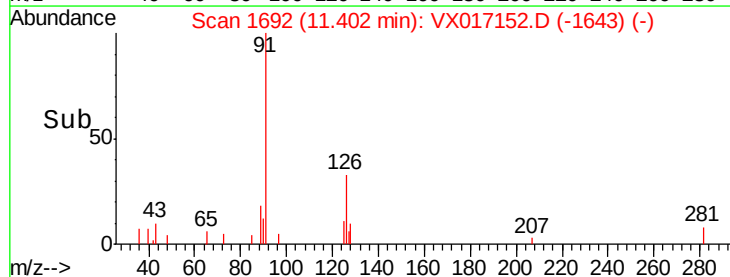
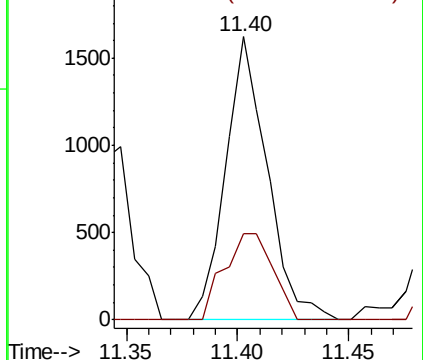
91 100

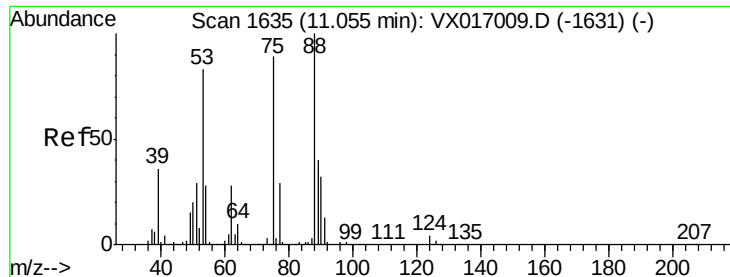
126 35.5 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 61.619 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-600-604

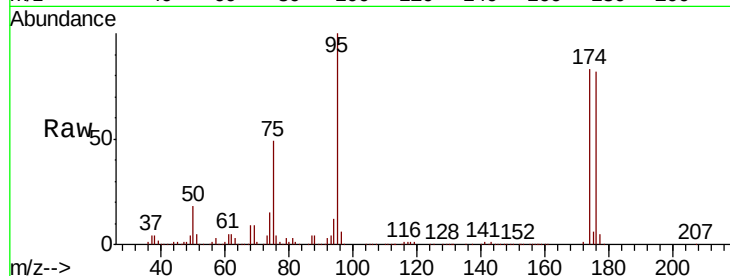
Tot Ion: 75 Resp: 94051

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

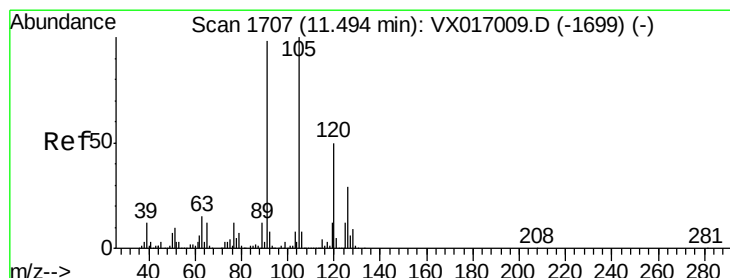
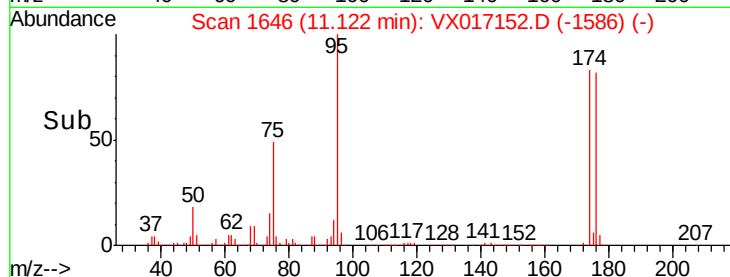
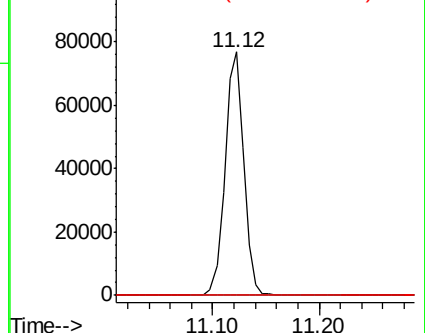
89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.251 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017152.D

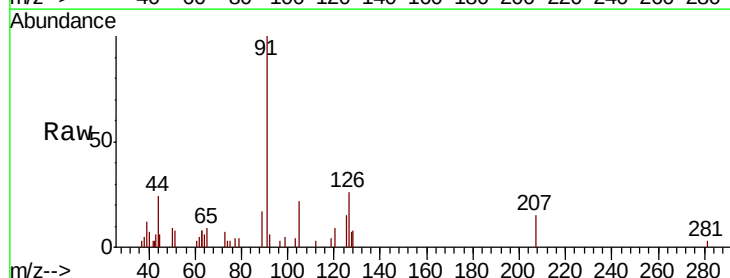
Acq: 02 Jul 2020 16:40

Tgt Ion: 91 Resp: 2699

Ion Ratio Lower Upper

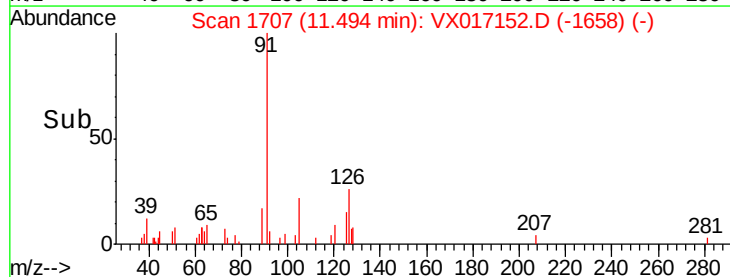
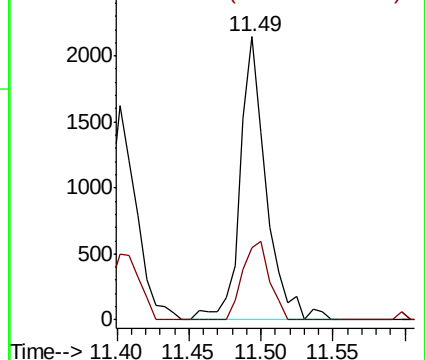
91 100

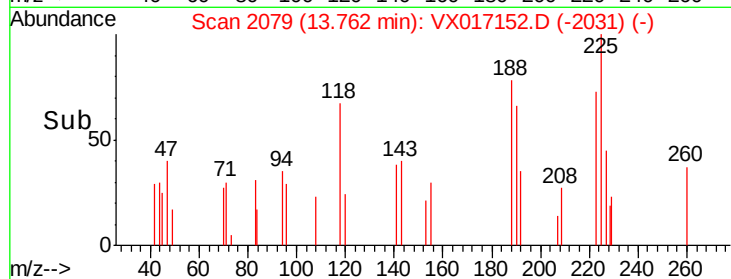
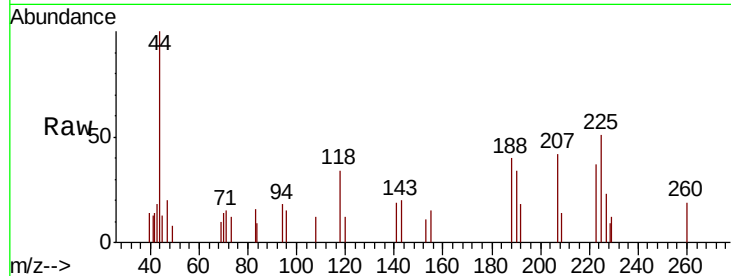
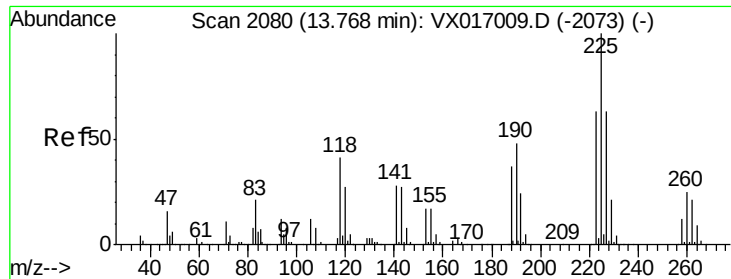
126 28.7 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#94

Hexachlorobutadiene

Concen: 1.070 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017152.D

Acq: 02 Jul 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

BP-MW180-SOIL-600-604

Tot Ion:225 Resp: 366

Ion Ratio Lower Upper

225 100

223 97.5 32.5 97.5#

227 45.1 33.1 99.2

Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

