

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062380.D
 Acq On : 6 Jul 2020 22:21
 Operator : JC/MD
 Sample : L3188-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 07 05:21:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	945826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1690519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1633290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	642243	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	846911	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	7.55	113	572174	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
50) Toluene-d8	10.06	98	2173662	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.38	95	793474	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

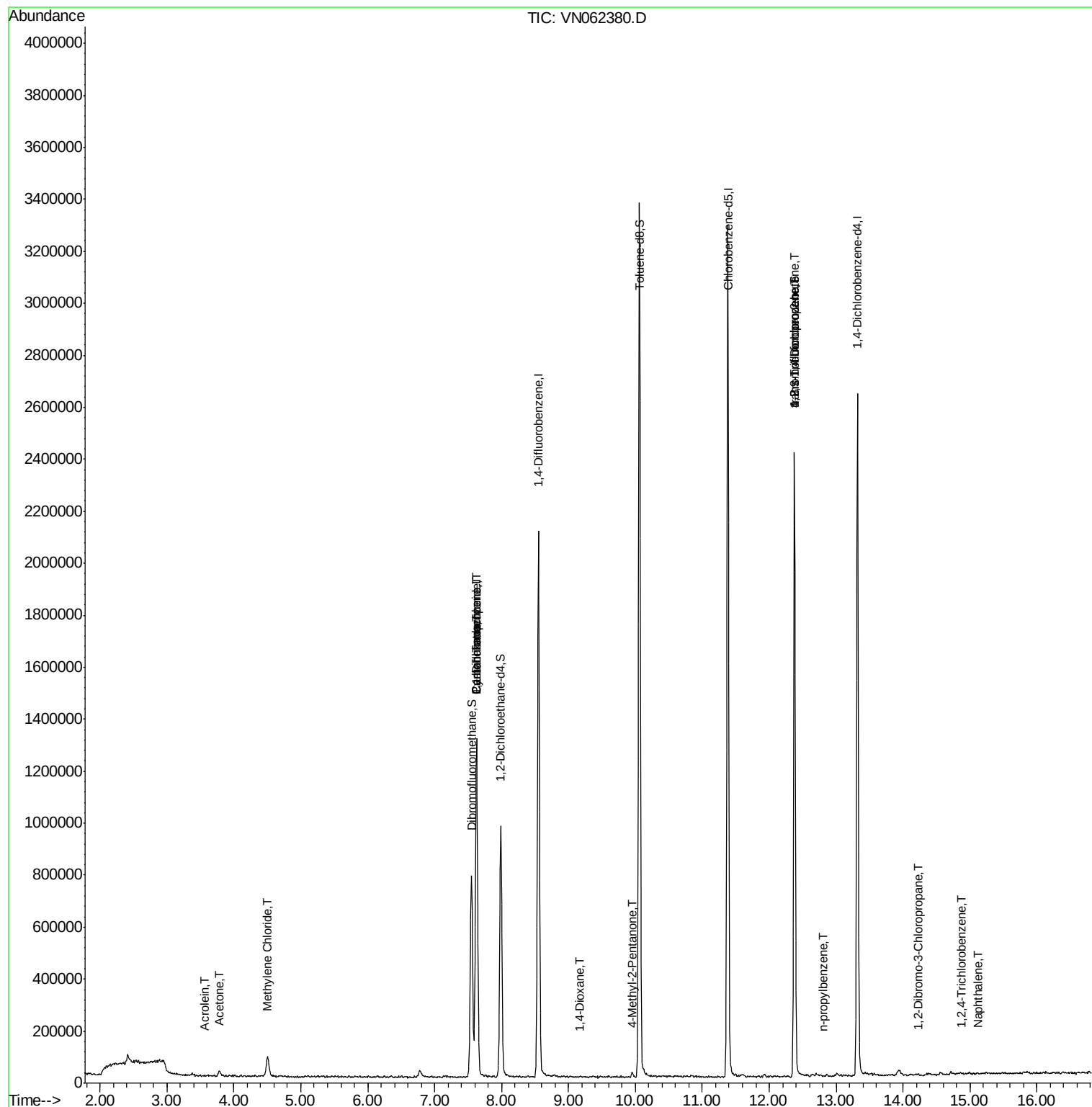
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.56	56	822	1.153	ug/l	88
16) Acetone	3.79	43	36761	4.661	ug/l #	90
18) Methyl Acetate	4.25	43	396	Below Cal	#	1
20) Methylene Chloride	4.50	84	46855	2.665	ug/l	96
23) Vinyl Acetate	5.84	43	153	Below Cal	#	1
31) Cyclohexane	7.62	56	28569	1.317	ug/l #	4
36) 1,1-Dichloropropene	7.63	75	88791	4.999	ug/l #	52
38) Carbon Tetrachloride	7.62	117	101269	5.669	ug/l #	17
49) 1,4-Dioxane	9.16	88	235	0.963	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	12923	0.405	ug/l	94
76) 1,2,3-Trichloropropane	12.38	75	459555	29.625	ug/l #	100
78) n-propylbenzene	12.80	91	270	0.287	ug/l	84
81) trans-1,4-Dichloro-2-buten	12.38	75	459555	84.717	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.23	75	819	0.252	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.87	180	387	2.766	ug/l #	54
94) Hexachlorobutadiene	14.99	225	152	Below Cal		77
95) Naphthalene	15.11	128	1287	2.111	ug/l #	87

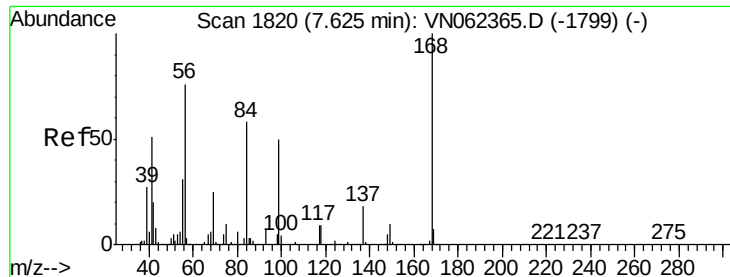
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

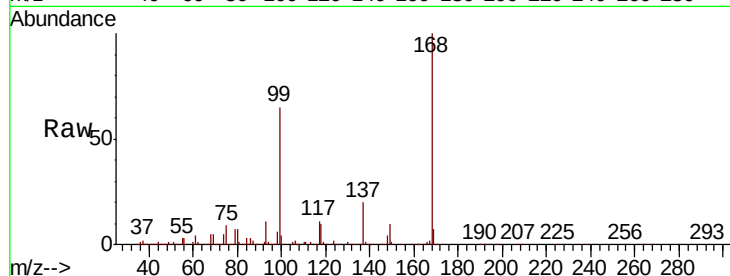
BP-MW180-SOIL-584-588

Tot Ion:168 Resp: 945826

Ion Ratio Lower Upper

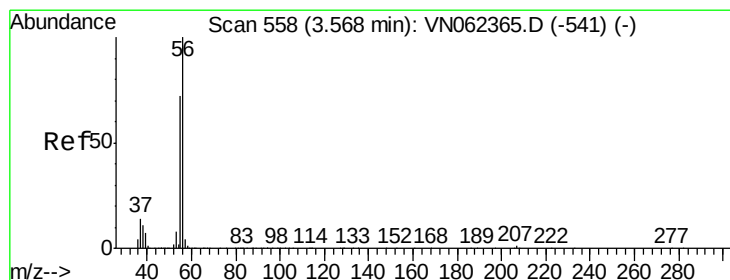
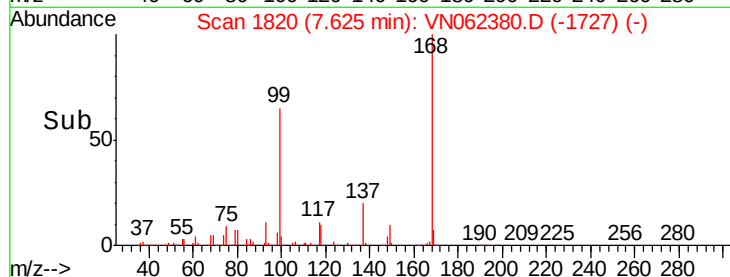
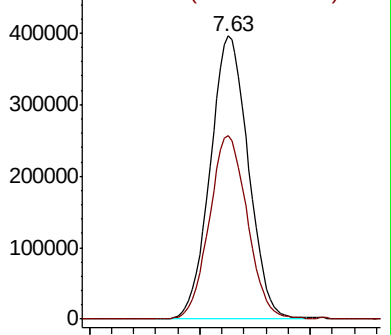
168 100

99 64.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 1.153 ug/l

RT: 3.56 min Scan# 555

Delta R.T. -0.01 min

Lab File: VN062380.D

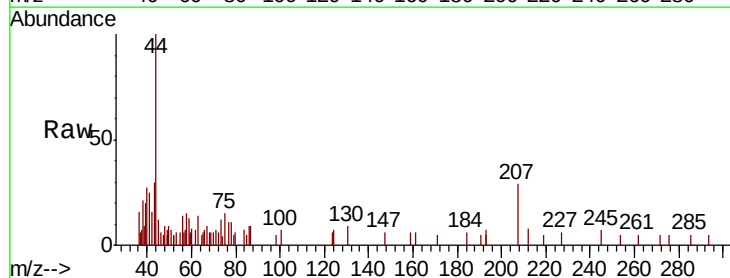
Acq: 6 Jul 2020 22:21

Tgt Ion: 56 Resp: 822

Ion Ratio Lower Upper

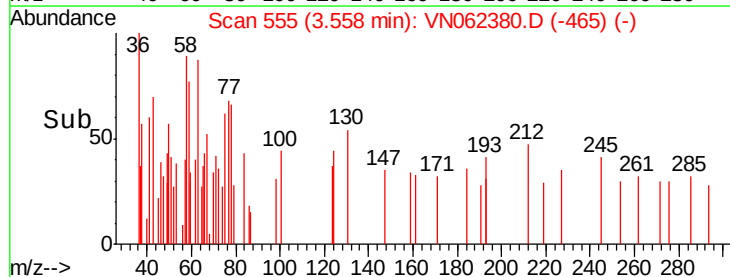
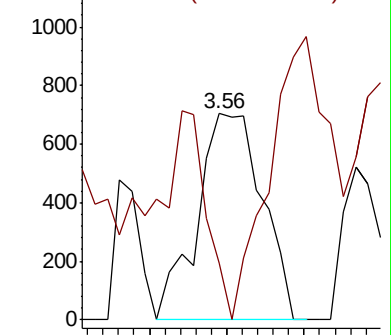
56 100

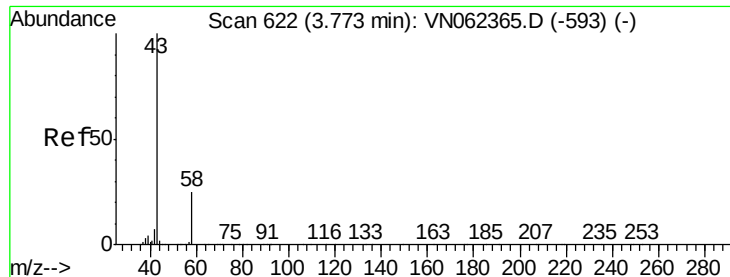
55 64.6 59.6 89.4



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

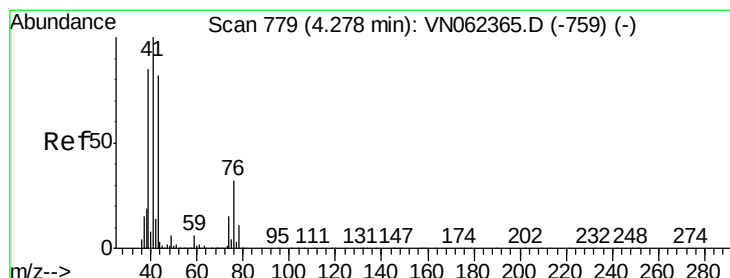
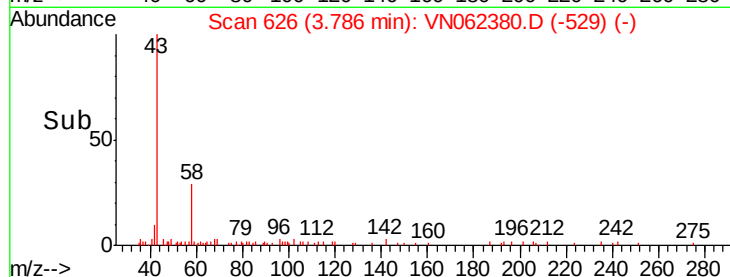
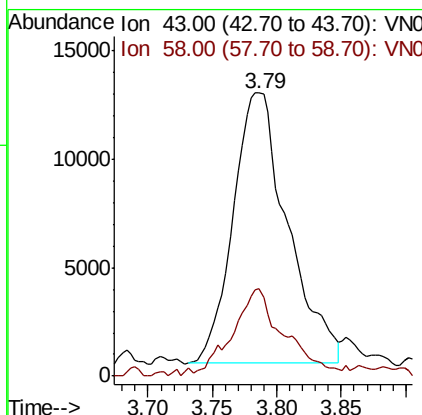
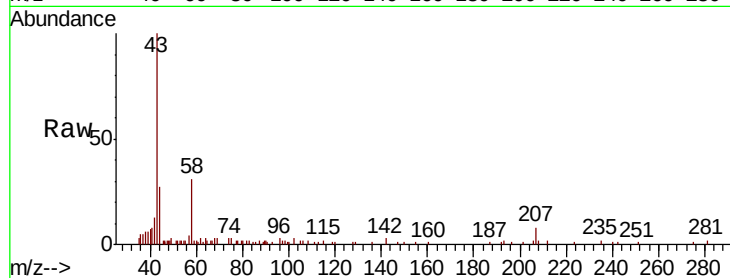




#16
Acetone
Concen: 4.661 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

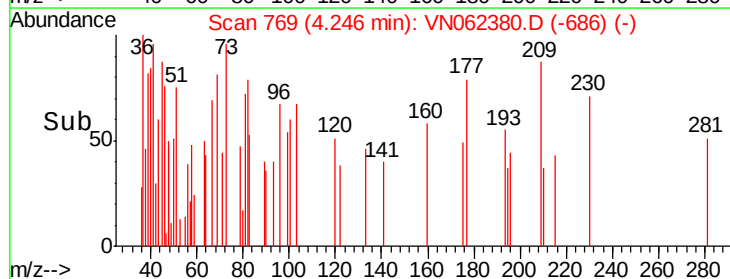
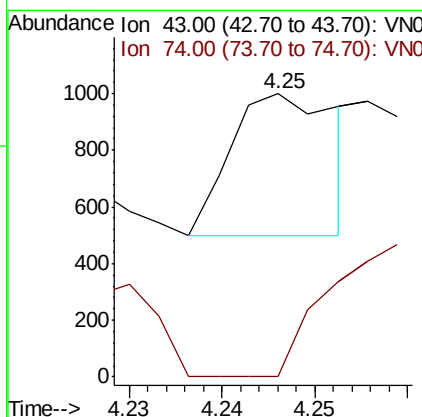
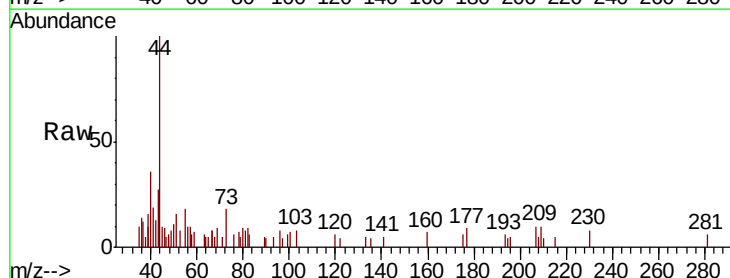
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-584-588

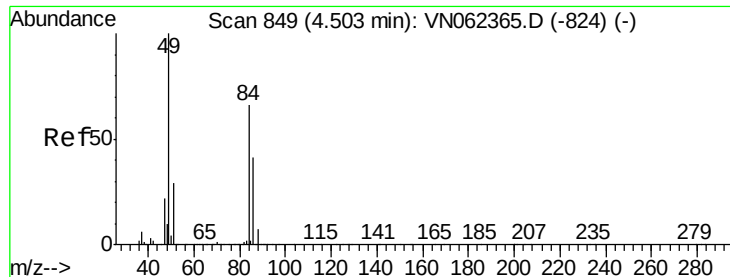
Tot Ion: 43 Resp: 36761
Ion Ratio Lower Upper
43 100
58 29.8 19.8 29.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.25 min Scan# 769
Delta R.T. -0.03 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
74 100.8 14.2 21.4#

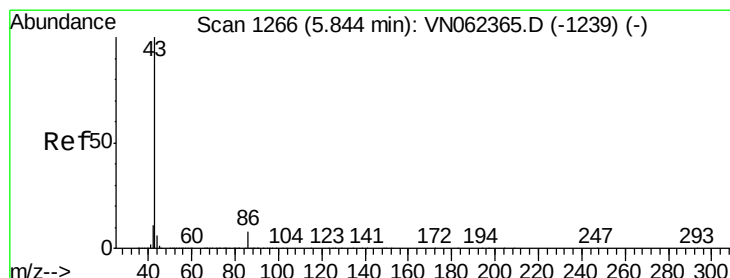
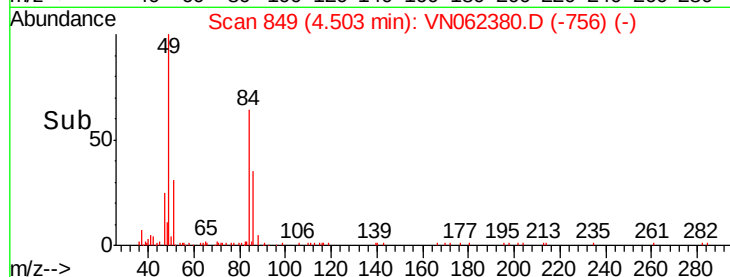
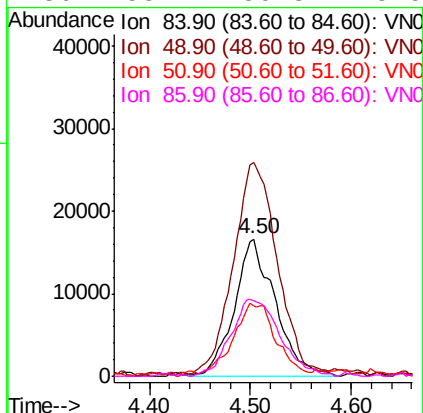
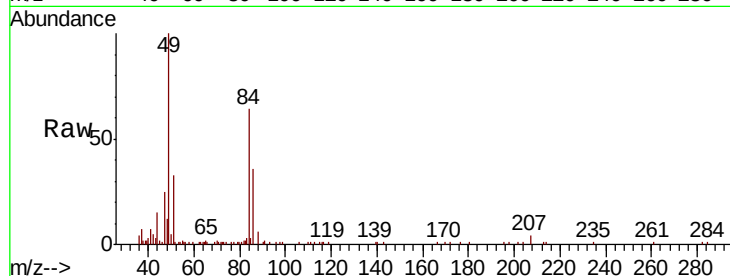




#20
Methvlene Chloride
Concen: 2.665 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

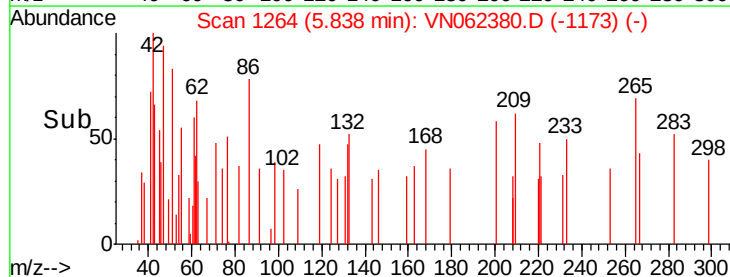
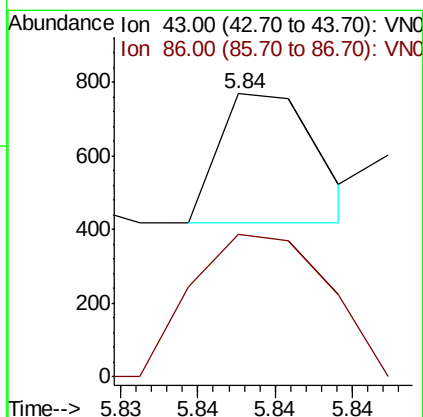
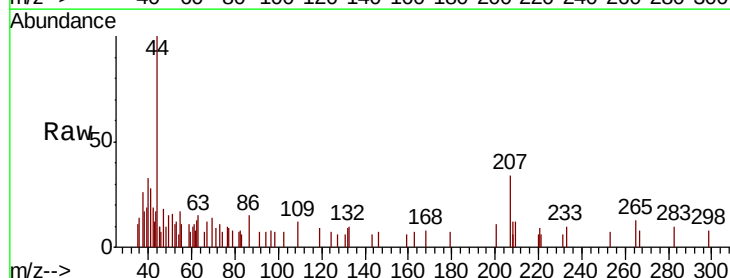
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-584-588

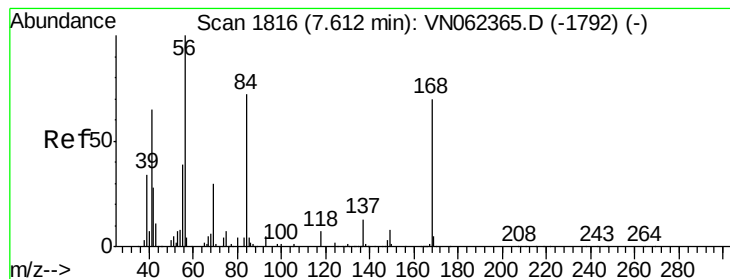
Tot Ion:	84	Resp:	46855
Ion	Ratio	Lower	Upper
84	100		
49	153.6	121.8	182.6
51	47.1	35.0	52.4
86	55.1	50.3	75.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 5.84 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

Tgt Ion:	43	Resp:	153
Ion	Ratio	Lower	Upper
43	100		
86	45.9	6.6	9.8#





#31

Cyclohexane

Concen: 1.317 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-584-588

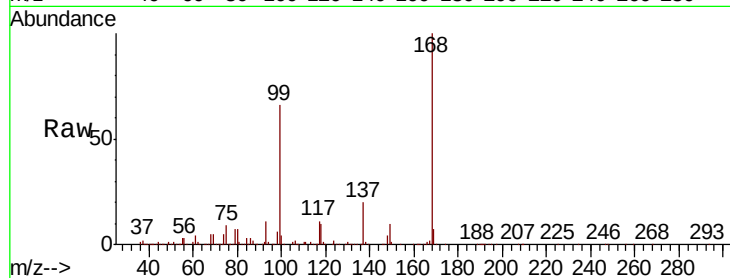
Tot Ion: 56 Resp: 28569

Ion Ratio Lower Upper

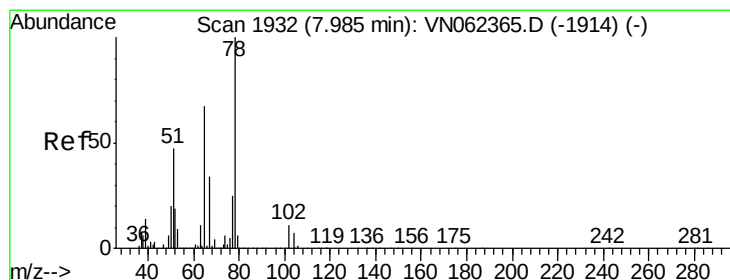
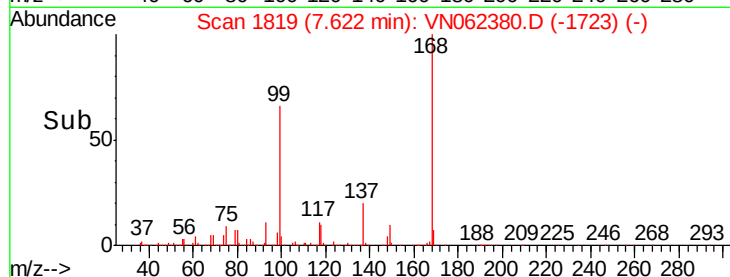
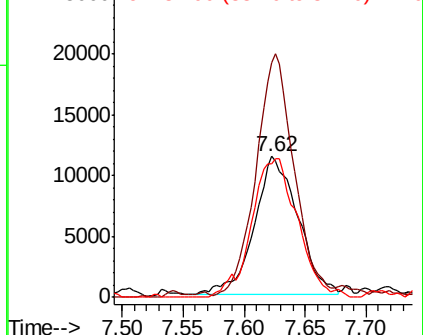
56 100

69 166.8 23.7 35.5#

84 96.3 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.501 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062380.D

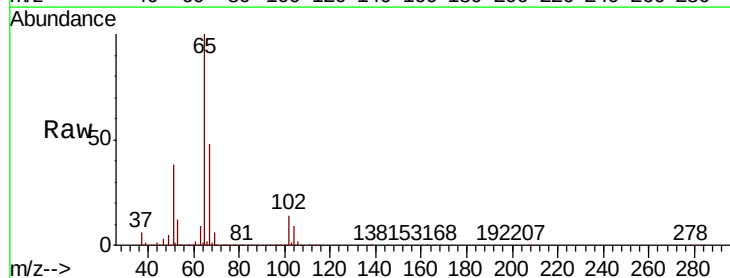
Acq: 6 Jul 2020 22:21

Tgt Ion: 65 Resp: 846911

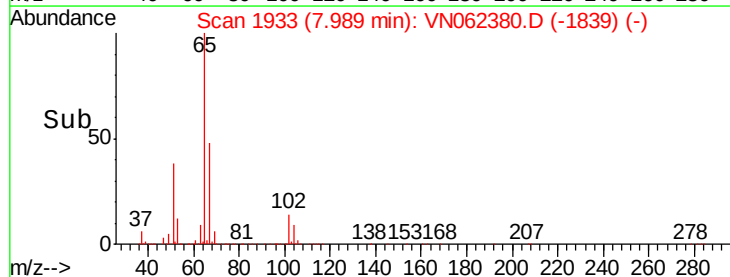
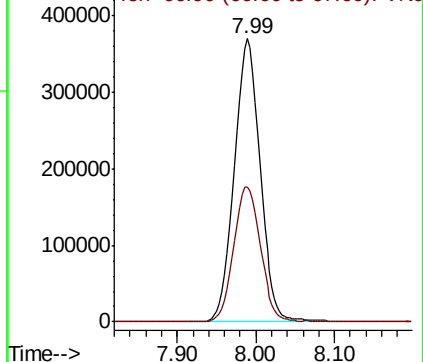
Ion Ratio Lower Upper

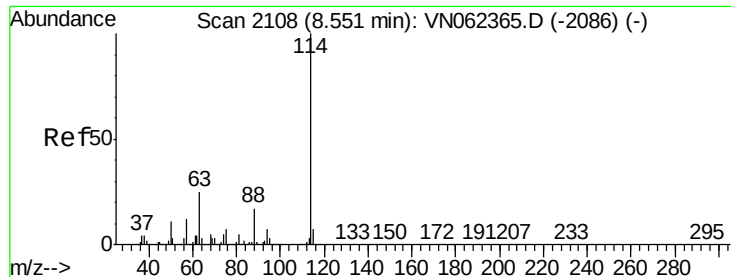
65 100

67 49.2 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

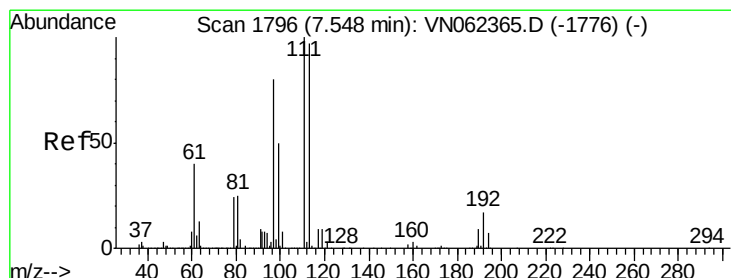
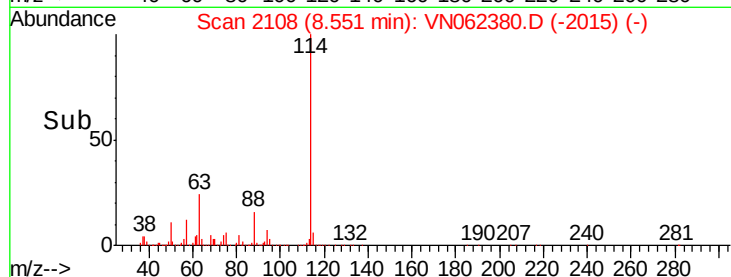
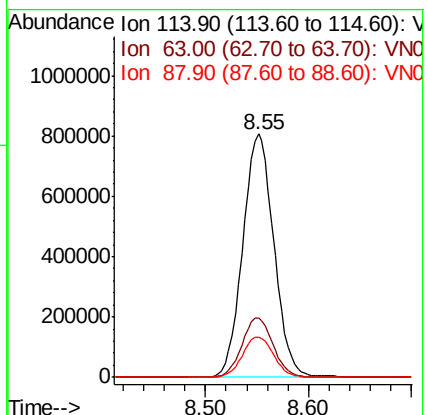
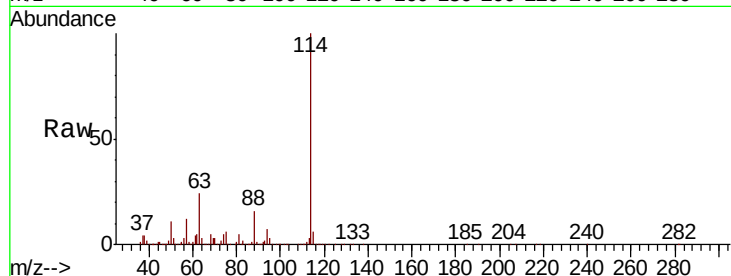




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

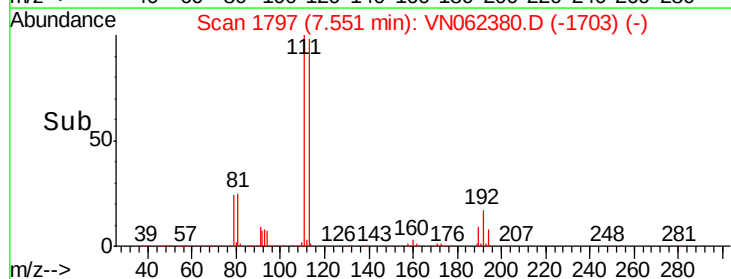
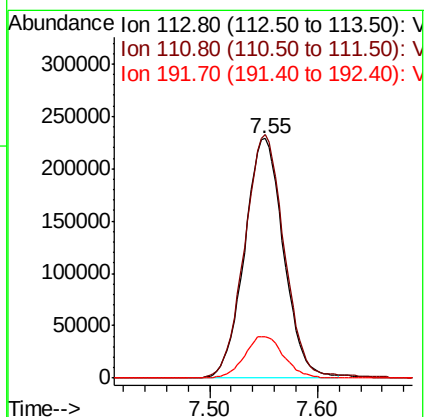
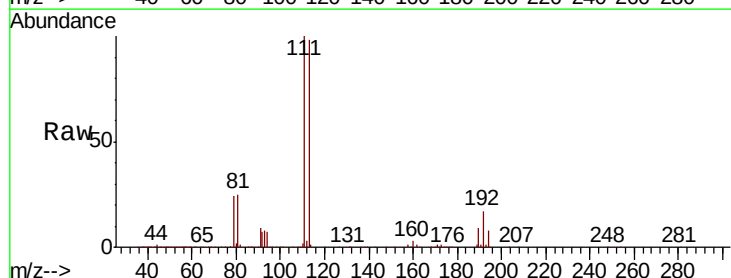
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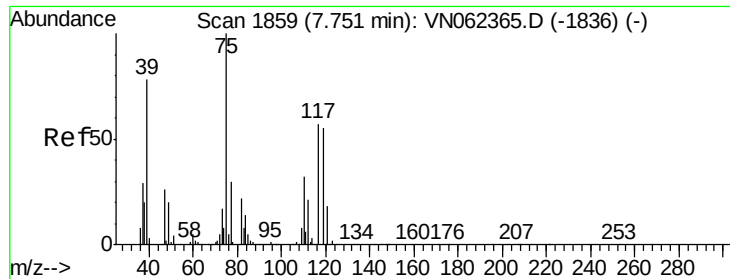
Tot Ion:114 Resp: 1690519
Ion Ratio Lower Upper
114 100
63 24.5 0.0 49.0
88 16.4 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.613 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

Tgt Ion:113 Resp: 572174
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-584-588

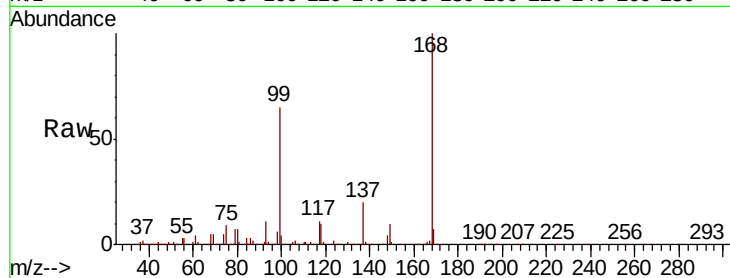
Tot Ion: 75 Resp: 88791

Ion Ratio Lower Upper

75 100

110 8.2 15.7 47.1#

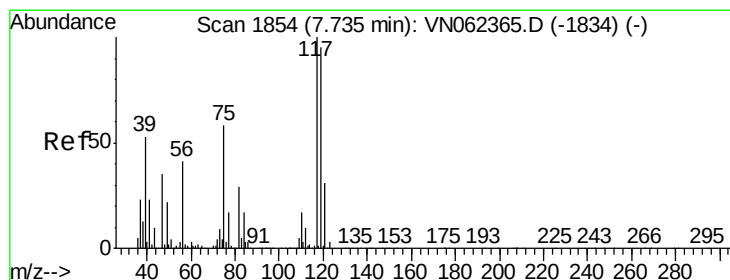
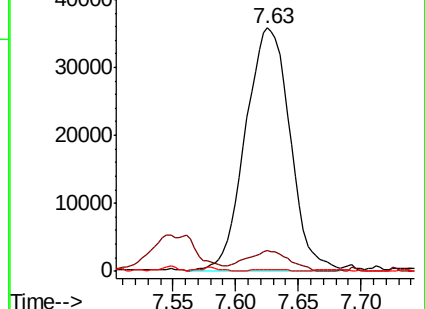
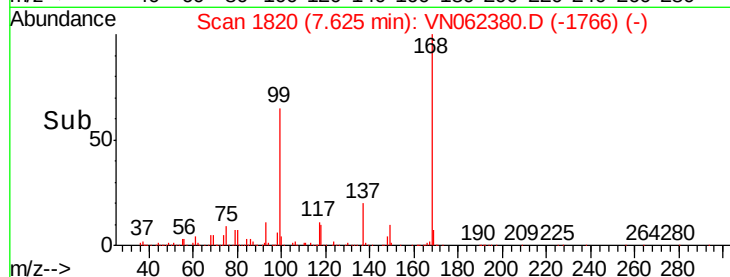
77 0.5 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VN062380.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN062380.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN062380.D (-1766) (-)



#38

Carbon Tetrachloride

Concen: 5.669 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

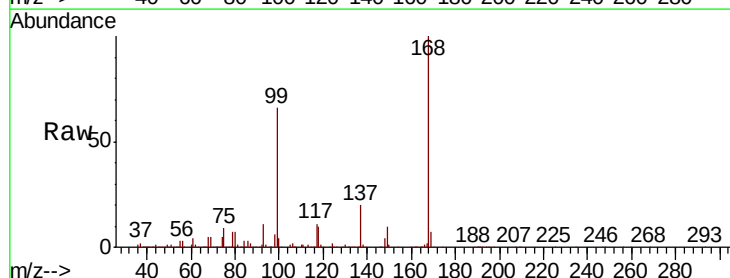
Tgt Ion: 117 Resp: 101269

Ion Ratio Lower Upper

117 100

119 5.3 75.9 113.9#

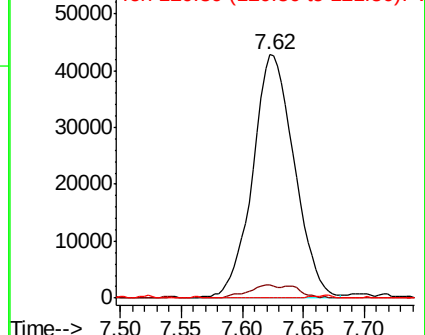
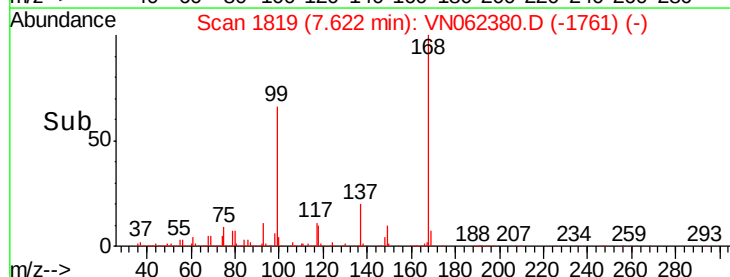
121 0.0 24.6 36.8#

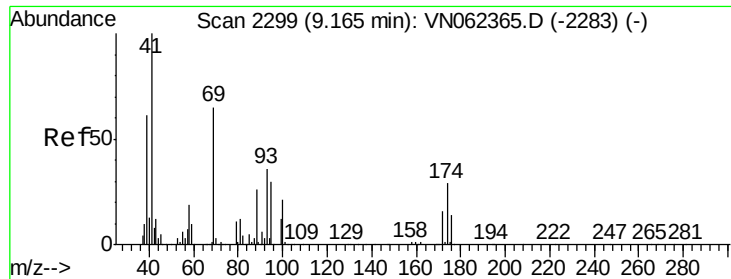


Abundance Ion 116.80 (116.50 to 117.50): VN062380.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN062380.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN062380.D (-1761) (-)

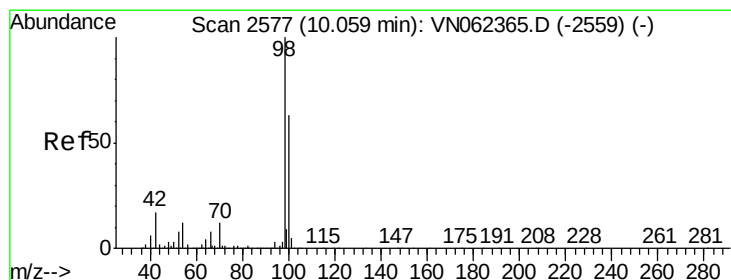
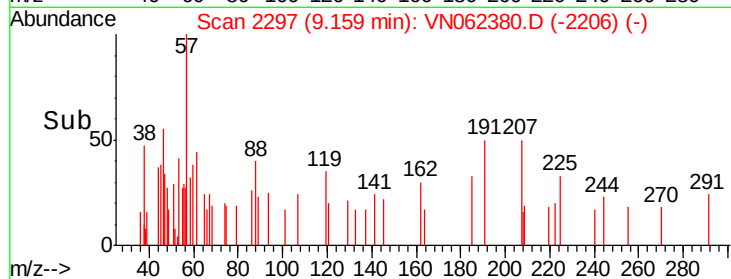
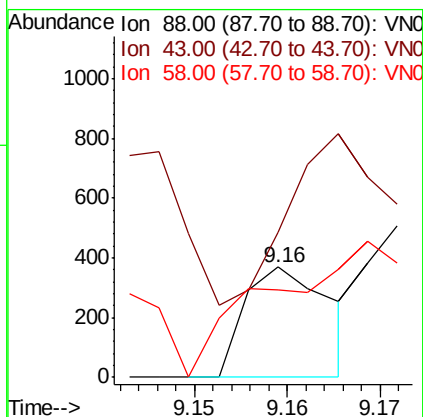
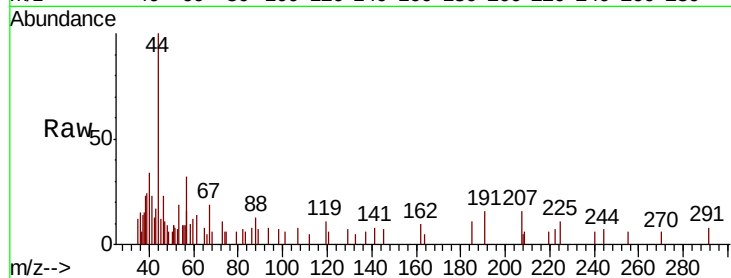




#49
1,4-Dioxane
Concen: 0.963 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

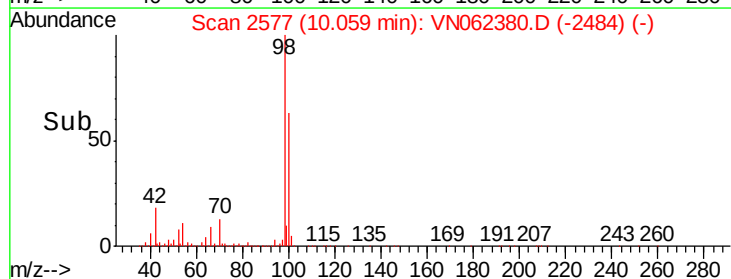
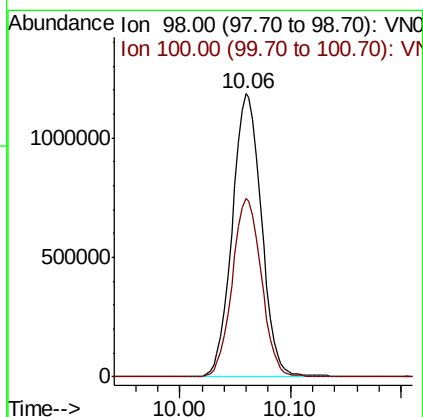
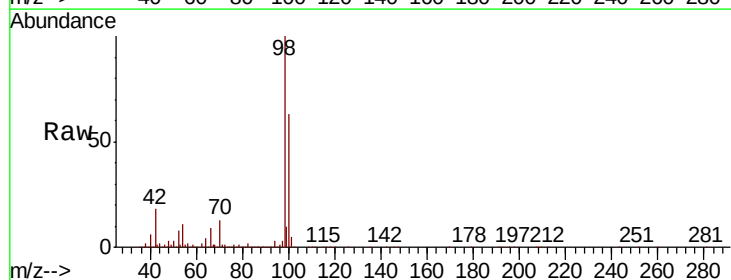
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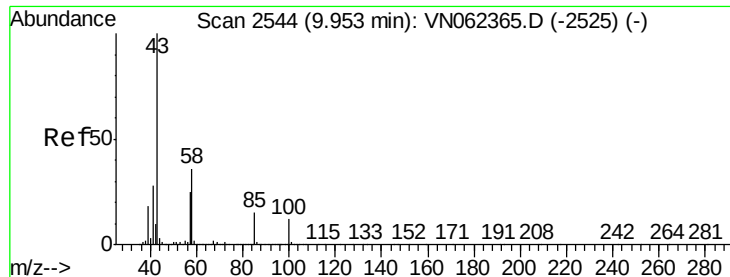
Tot Ion: 88 Resp: 235
Ion Ratio Lower Upper
88 100
43 172.3 34.0 51.0#
58 220.4 63.0 94.4#



#50
Toluene-d8
Concen: 50.420 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

Tgt Ion: 98 Resp: 2173662
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 0.405 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

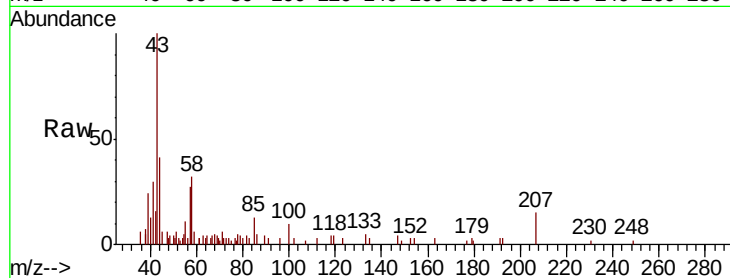
BP-MW180-SOIL-584-588

Tot Ion: 43 Resp: 12923

Ion Ratio Lower Upper

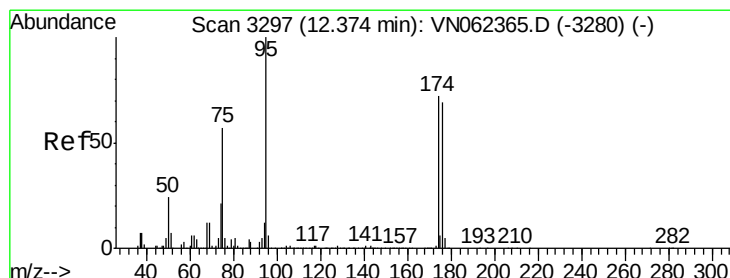
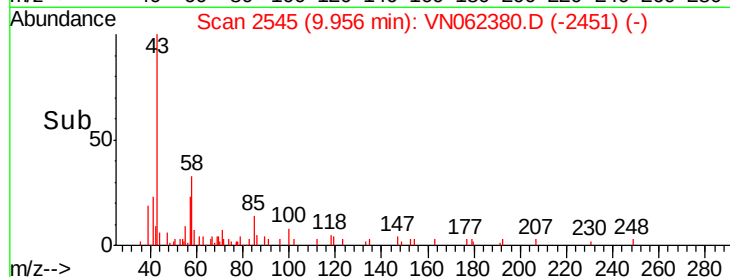
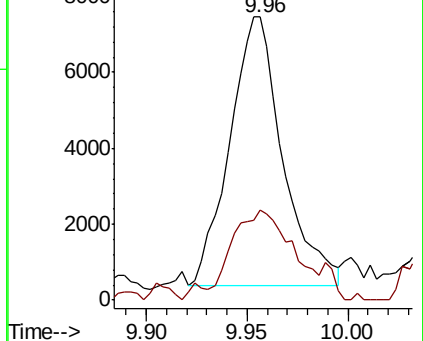
43 100

58 30.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN062365.D (-2525) (-)

Ion 58.00 (57.70 to 58.70): VN062365.D (-2525) (-)



#62

4-Bromofluorobenzene

Concen: 48.057 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

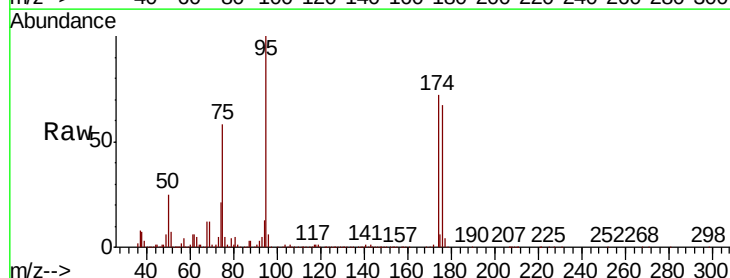
Tgt Ion: 95 Resp: 793474

Ion Ratio Lower Upper

95 100

174 71.7 0.0 145.8

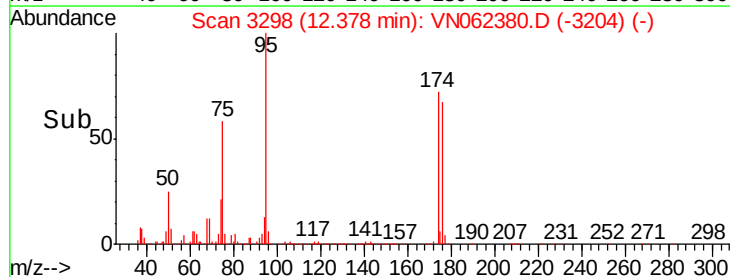
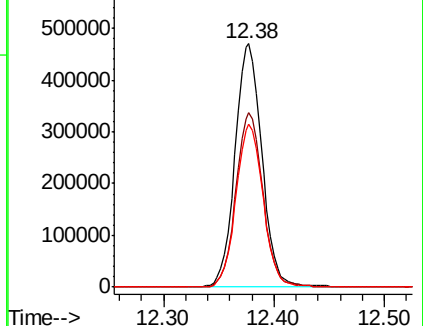
176 67.8 0.0 140.2

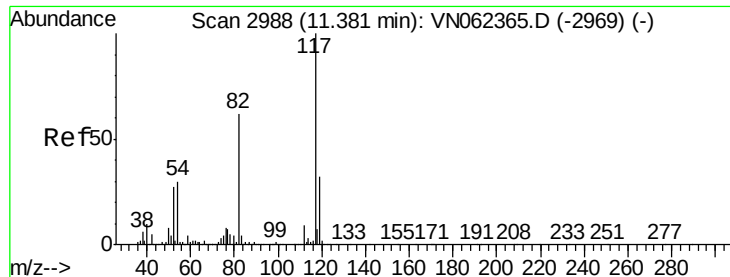


Abundance Ion 94.90 (94.60 to 95.60): VN062365.D (-3280) (-)

Ion 173.80 (173.50 to 174.50): VN062365.D (-3280) (-)

Ion 175.80 (175.50 to 176.50): VN062365.D (-3280) (-)

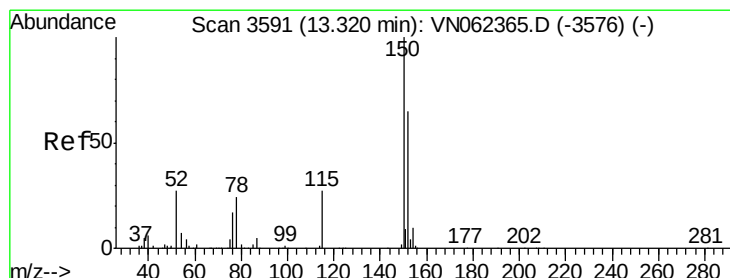
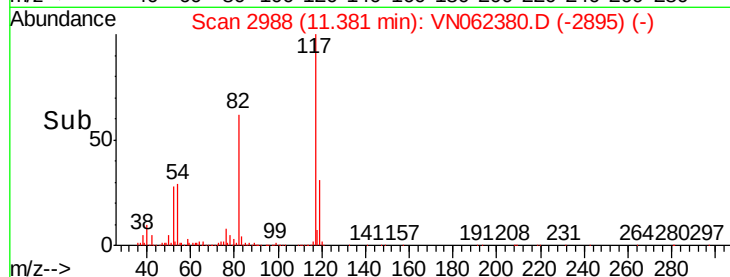
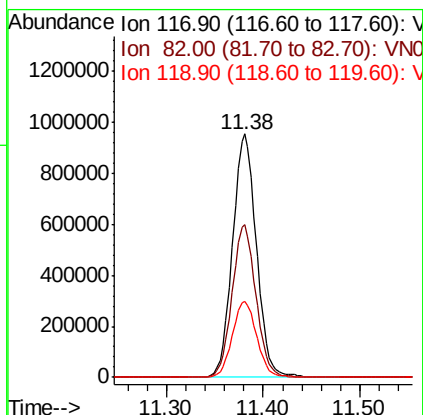
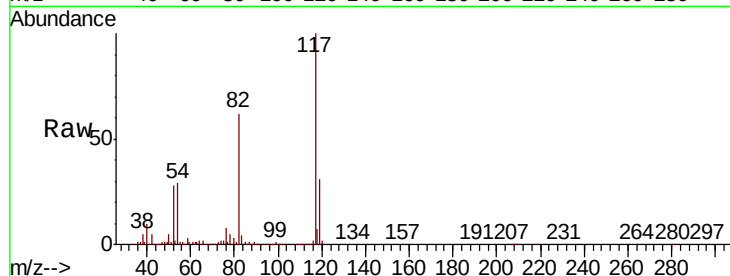




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

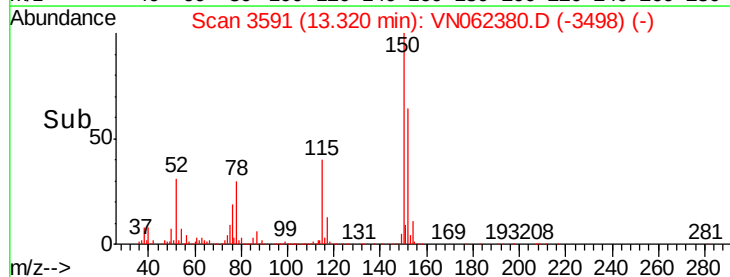
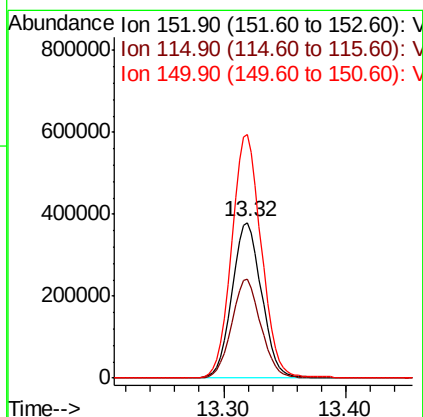
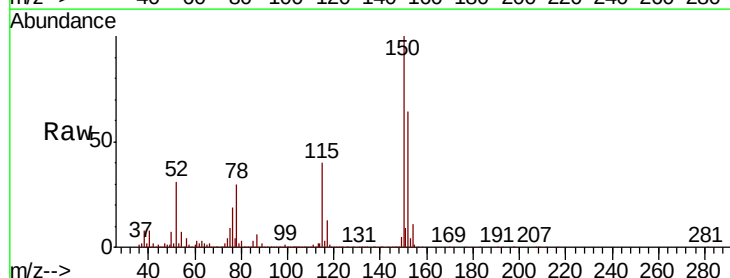
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-584-588

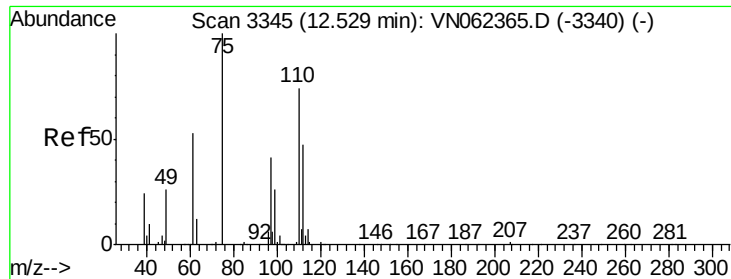
Tot Ion:117 Resp: 1633290
Ion Ratio Lower Upper
117 100
82 62.5 49.4 74.2
119 31.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

Tgt Ion:152 Resp: 642243
Ion Ratio Lower Upper
152 100
115 63.2 30.5 91.5
150 156.8 0.0 346.8

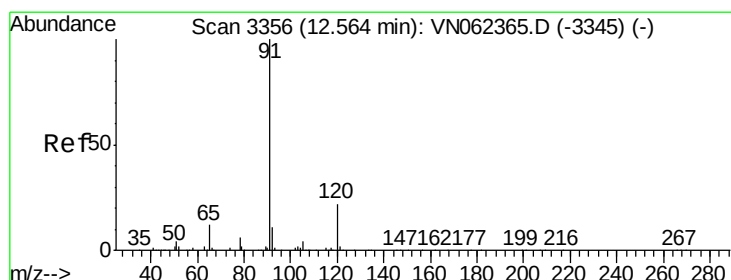
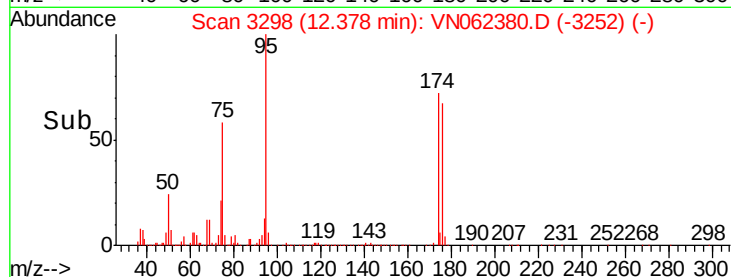
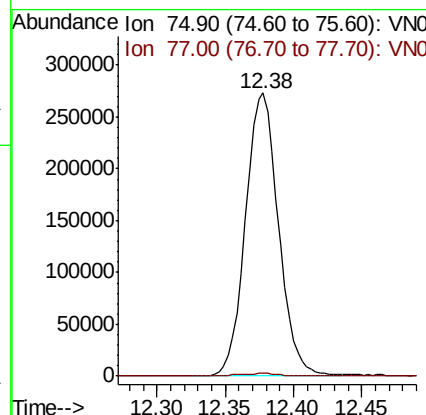
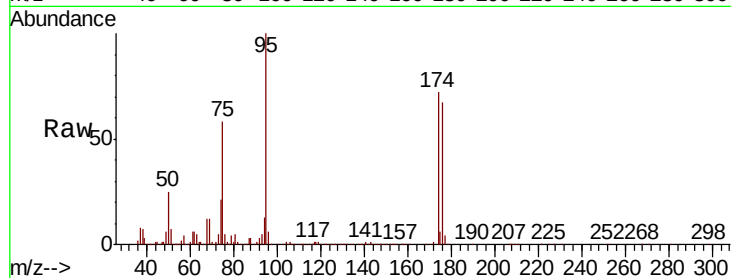




#76
1,2,3-Trichloropropane
Concen: 29.625 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

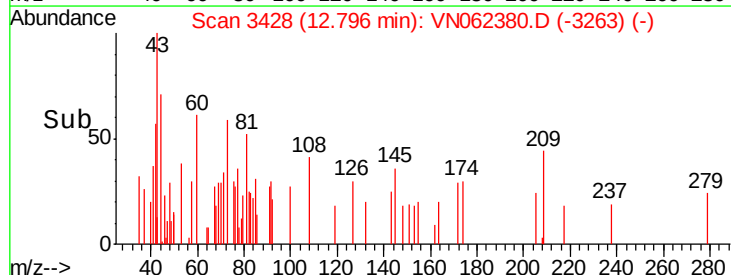
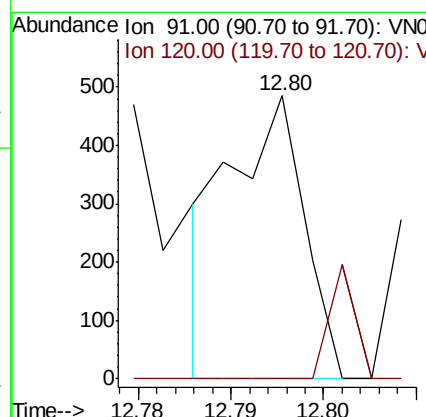
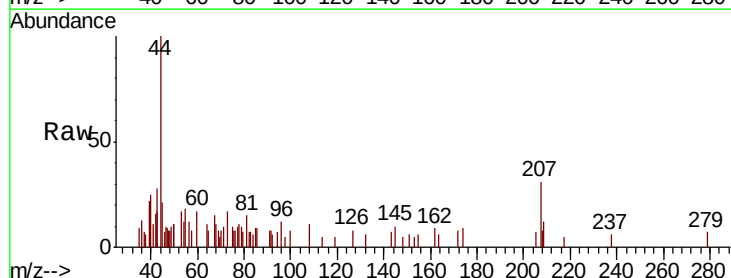
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-584-588

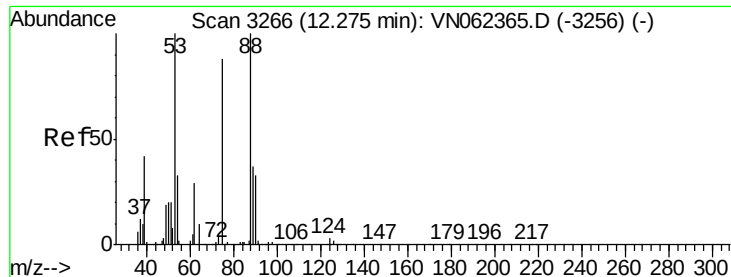
Tot Ion: 75 Resp: 459555
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#78
n-propylbenzene
Concen: 0.287 ug/l
RT: 12.80 min Scan# 3428
Delta R.T. 0.23 min
Lab File: VN062380.D
Acq: 6 Jul 2020 22:21

Tgt Ion: 91 Resp: 270
Ion Ratio Lower Upper
91 100
120 14.1 10.9 32.6





#81

trans-1,4-Dichloro-2-butene

Concen: 84.717 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-584-588

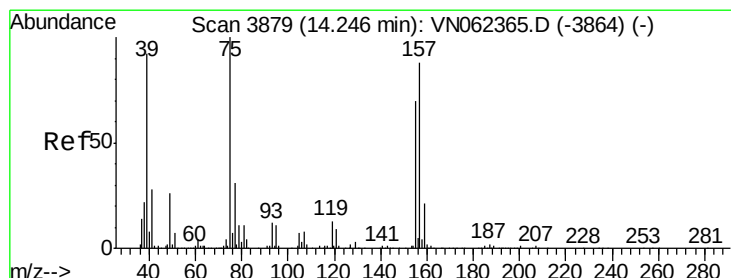
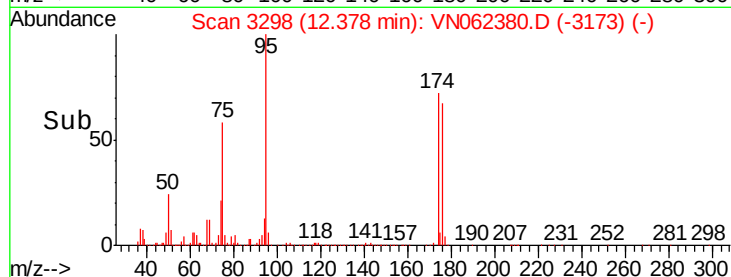
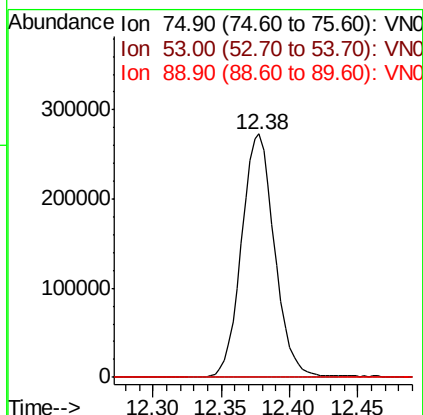
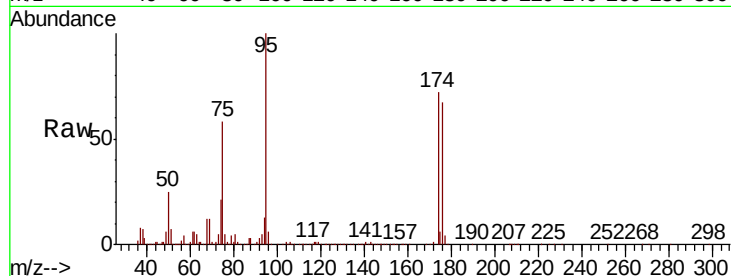
Tot Ion: 75 Resp: 459555

Ion Ratio Lower Upper

75 100

53 0.3 92.3 138.5#

89 0.0 37.0 55.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.252 ug/l

RT: 14.23 min Scan# 3874

Delta R.T. -0.02 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

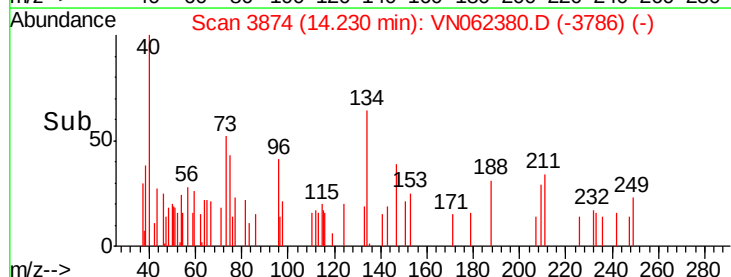
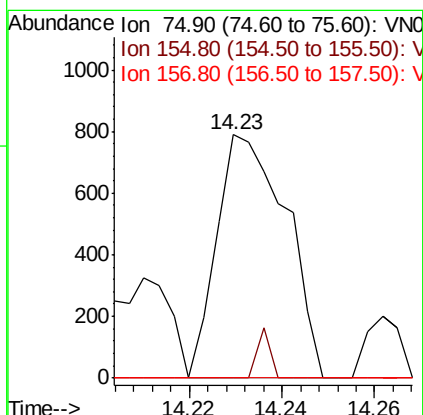
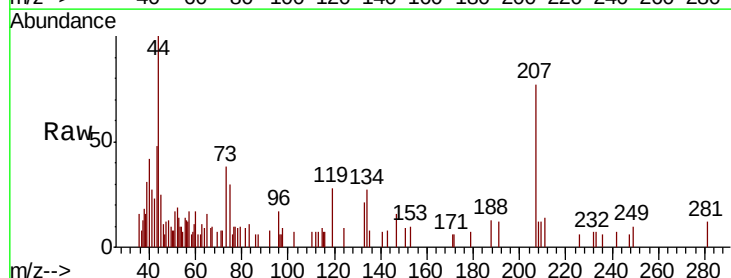
Tgt Ion: 75 Resp: 819

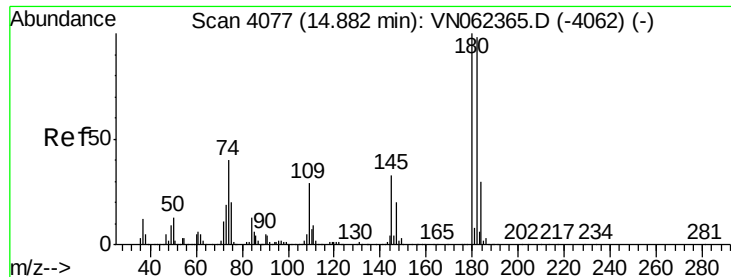
Ion Ratio Lower Upper

75 100

155 3.9 34.1 102.2#

157 0.0 43.3 129.8#

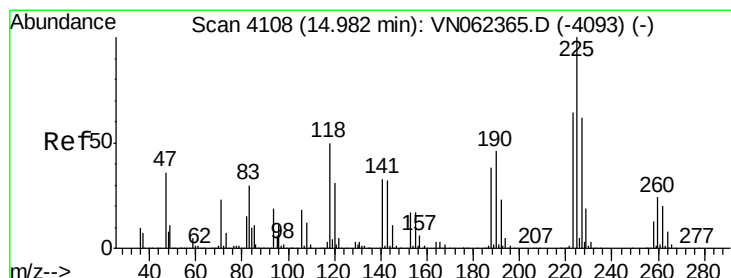
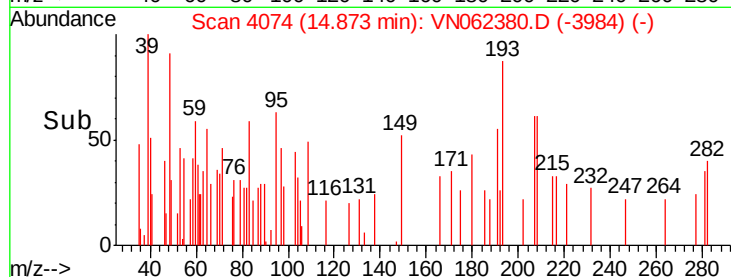
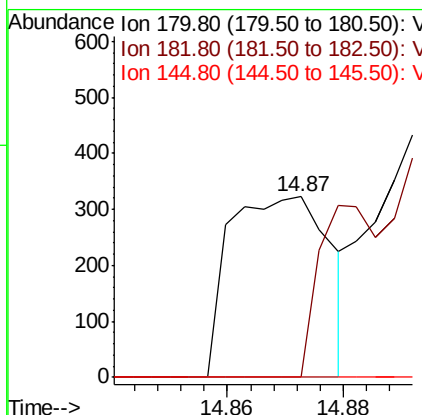
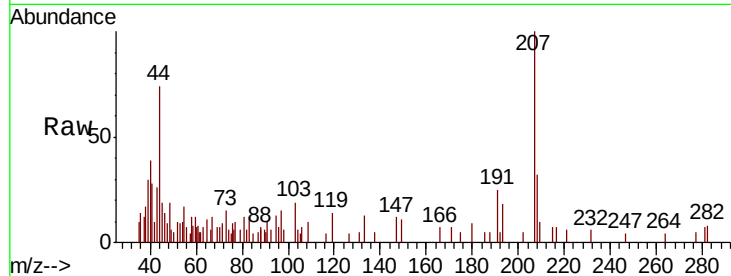




#93
 1,2,4-Trichlorobenzene
 Concen: 2.766 ug/l
 RT: 14.87 min Scan# 4074
 Delta R.T. -0.01 min
 Lab File: VN062380.D
 Acq: 6 Jul 2020 22:21

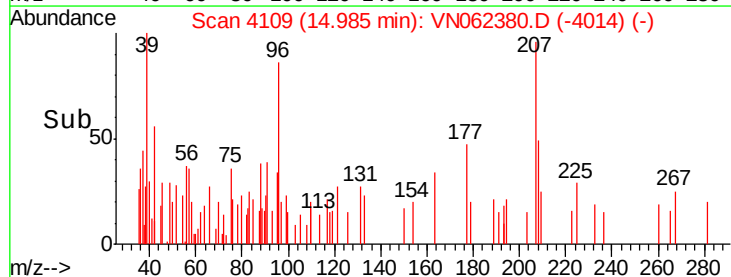
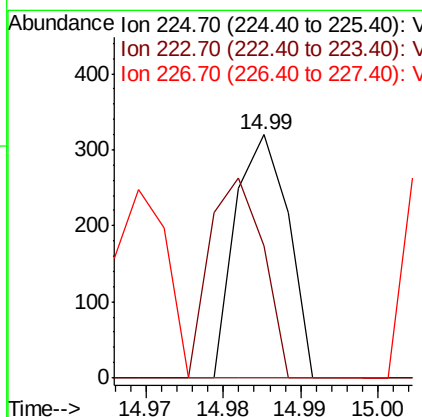
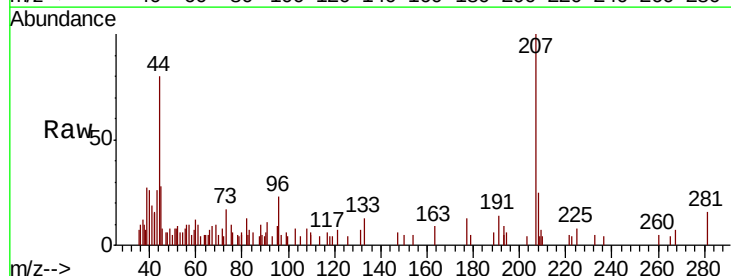
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-584-588

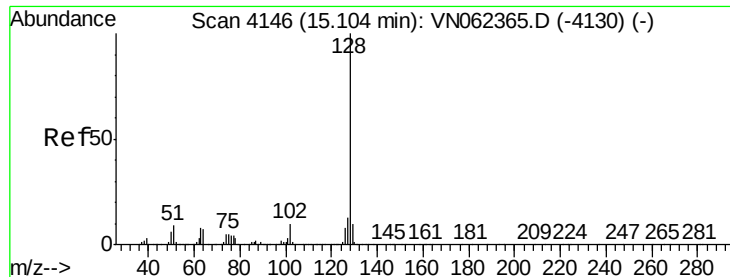
Tot Ion:180 Resp: 387
 Ion Ratio Lower Upper
 180 100
 182 54.3 47.6 142.8
 145 0.0 15.9 47.7#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062380.D
 Acq: 6 Jul 2020 22:21

Tgt Ion:225 Resp: 152
 Ion Ratio Lower Upper
 225 100
 223 82.9 31.7 95.1
 227 76.3 30.3 90.8





#95

Naphthalene

Concen: 2.111 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062380.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-584-588

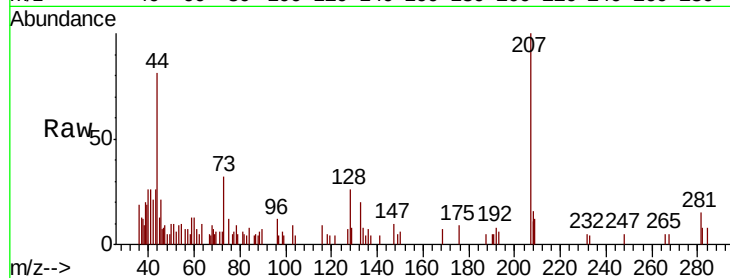
Tot Ion:128 Resp: 1287

Ion Ratio Lower Upper

128 100

127 10.2 10.8 16.2#

129 17.7 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

