

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071062.D
 Acq On : 24 Feb 2022 17:56
 Operator : JC\MD
 Sample : N1639-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP-SOIL-1-FINAL

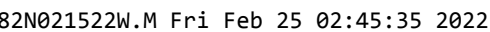
Quant Time: Feb 25 02:45:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

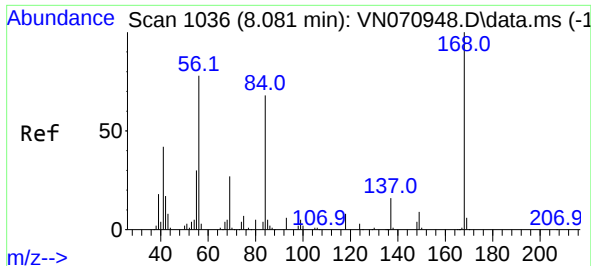
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	839038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1361287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1232079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	422611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	517020	53.943	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.880%			
35) Dibromofluoromethane	8.022	113	395350	48.827	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.660%			
50) Toluene-d8	10.439	98	1673232	51.458	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.920%			
62) 4-Bromofluorobenzene	12.727	95	563348	48.469	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.940%			
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	2637	0.241	ug/l	100
11) Tert butyl alcohol	5.363	59	487	0.279	ug/l #	71
13) Acrolein	4.046	56	1302	0.834	ug/l	89
16) Acetone	4.287	43	87479	16.573	ug/l	98
18) Methyl Acetate	4.857	43	24877	1.569	ug/l	94
20) Methylene Chloride	5.093	84	343777	35.836	ug/l	90
25) 2-Butanone	7.334	43	14540	2.071	ug/l #	80
27) cis-1,2-Dichloroethene	7.328	96	12881	1.271	ug/l	97
31) Cyclohexane	8.081	56	17304	1.044	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	63091	4.756	ug/l #	49
37) Ethyl Acetate	7.334	43	14540	1.022	ug/l #	1
38) Carbon Tetrachloride	8.086	117	78841	6.032	ug/l #	17
43) Isopropyl Acetate	8.557	43	130255	5.809	ug/l #	77
44) Trichloroethene	9.210	130	2543	0.246	ug/l	89
45) 1,2-Dichloropropane	9.616	63	4558	0.453	ug/l #	44
48) Methyl methacrylate	9.539	41	19872	1.872	ug/l #	8
49) 1,4-Dioxane	9.622	88	471	2.498	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	18193	1.333	ug/l	94
54) cis-1,3-Dichloropropene	10.239	75	109870	6.882	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	62137	3.722	ug/l #	43
59) 2-Hexanone	11.086	43	949949	101.236	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	287016	28.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	287016	93.470	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.245	180	64	2.007	ug/l #	1
95) Naphthalene	15.515	128	1706	5.071	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	113	2.531	ug/l #	49

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

Quant Time: Feb 25 02:45:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

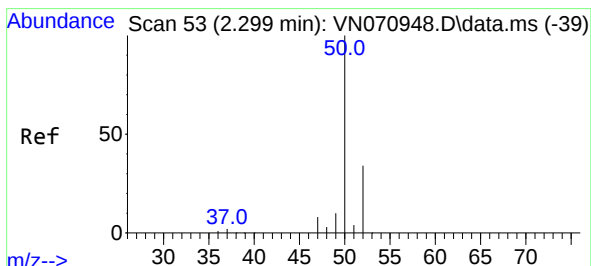
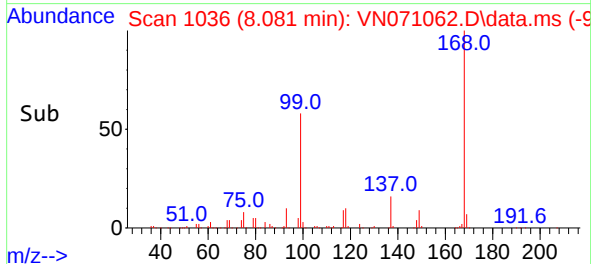
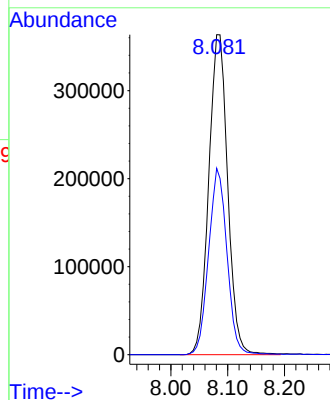
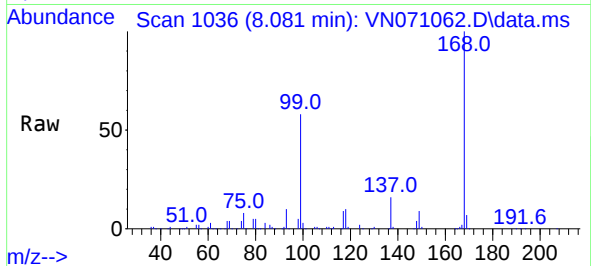




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

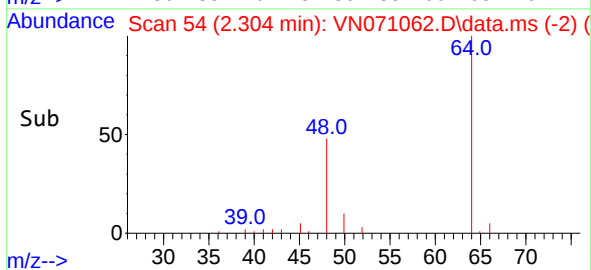
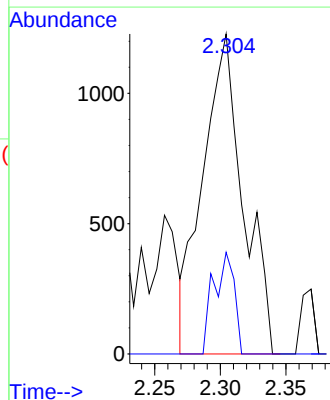
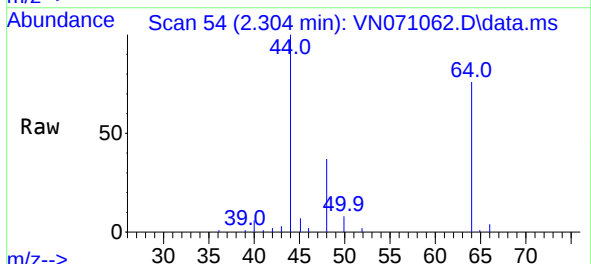
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

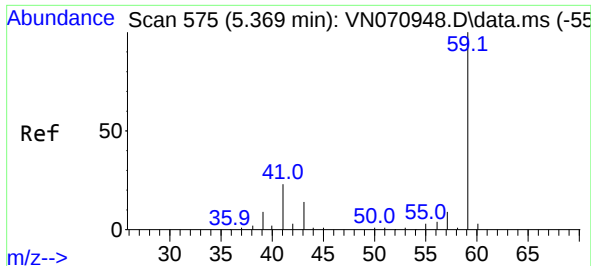
Tgt Ion:168 Resp: 839038
Ion Ratio Lower Upper
168 100
99 58.3 41.3 61.9



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 50 Resp: 2637
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.0





#11

Tert butyl alcohol

Concen: 0.279 ug/l

RT: 5.363 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN071062.D

Acq: 24 Feb 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

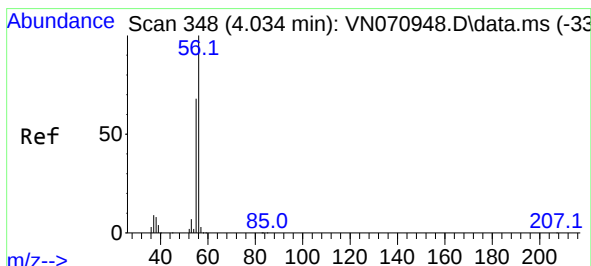
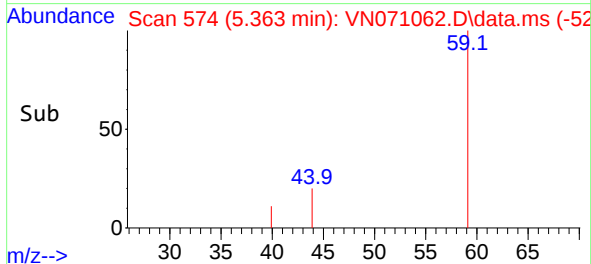
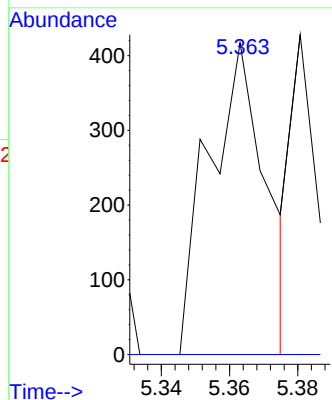
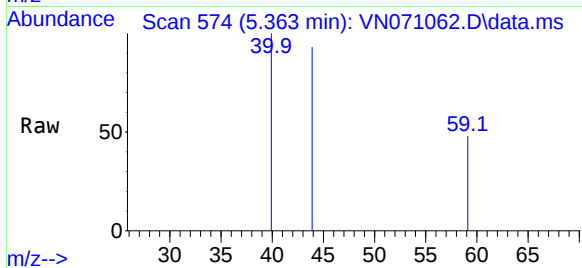
WP-SOIL-1-FINAL

Tgt Ion: 59 Resp: 487

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.834 ug/l

RT: 4.046 min Scan# 350

Delta R.T. 0.012 min

Lab File: VN071062.D

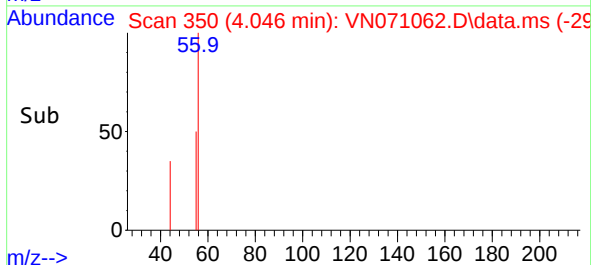
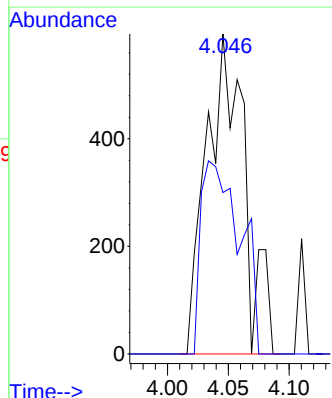
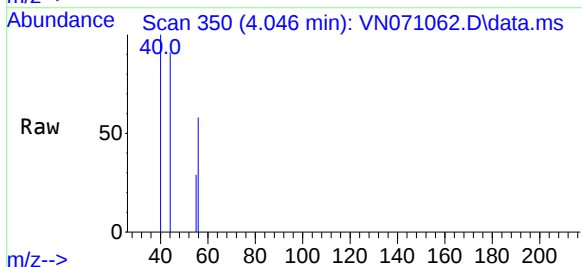
Acq: 24 Feb 2022 17:56

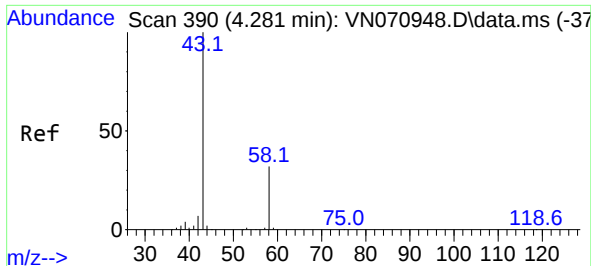
Tgt Ion: 56 Resp: 1302

Ion Ratio Lower Upper

56 100

55 61.7 56.6 85.0

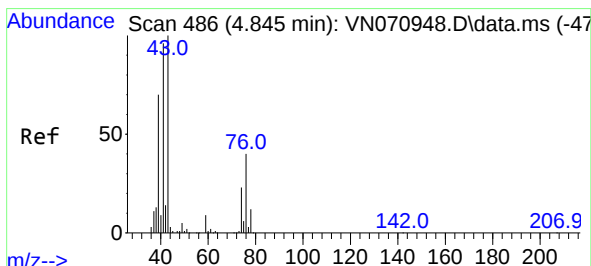
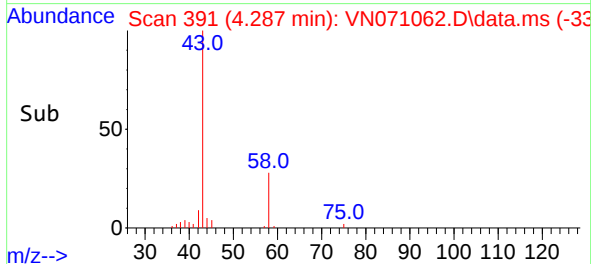
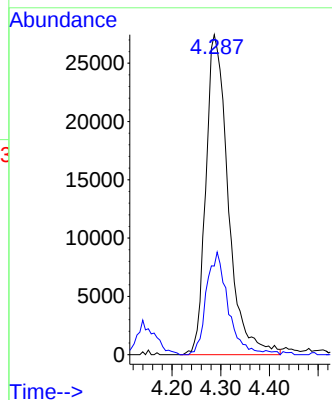
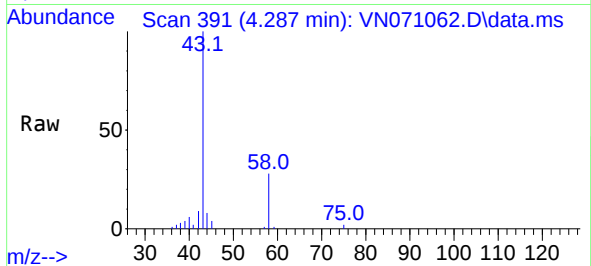




#16
Acetone
Concen: 16.573 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

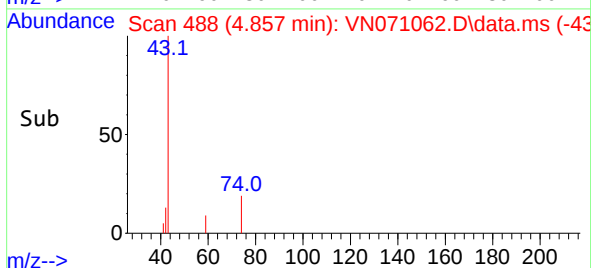
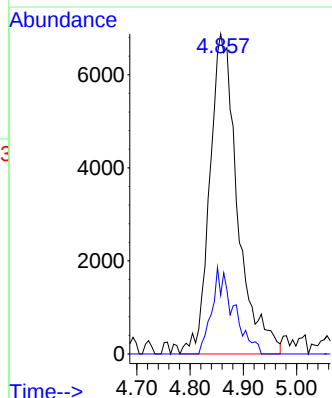
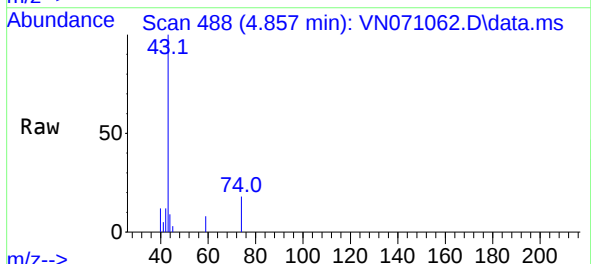
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

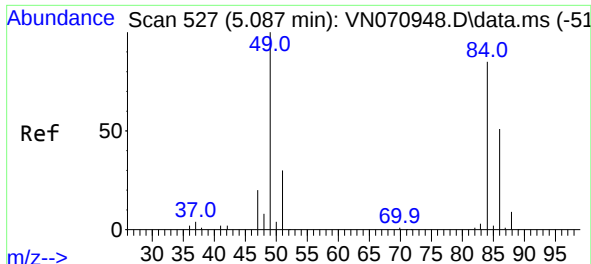
Tgt Ion: 43 Resp: 87479
Ion Ratio Lower Upper
43 100
58 27.7 23.1 34.7



#18
Methyl Acetate
Concen: 1.569 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 43 Resp: 24877
Ion Ratio Lower Upper
43 100
74 21.3 19.4 29.2



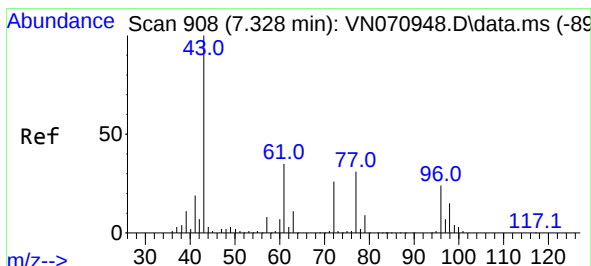
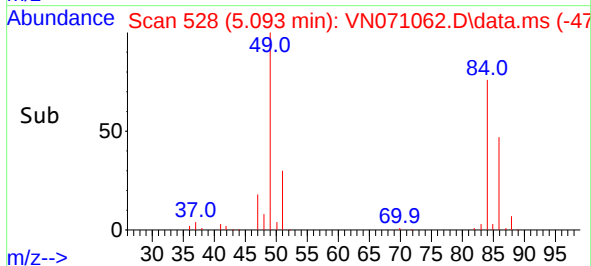
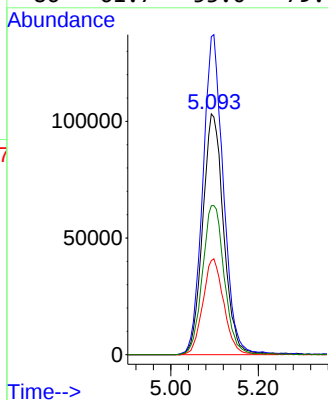
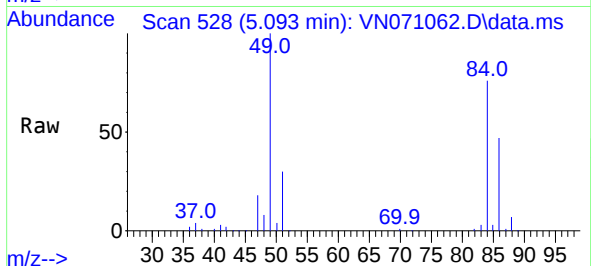


#20
Methylene Chloride
Concen: 35.836 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

Tgt Ion: 84 Resp: 343777

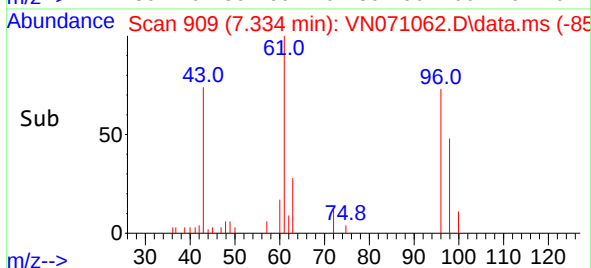
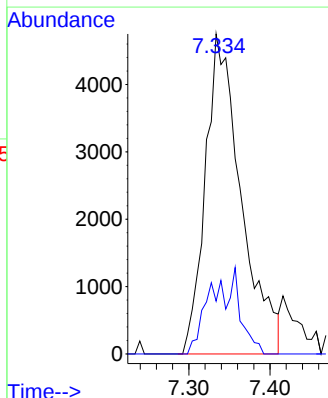
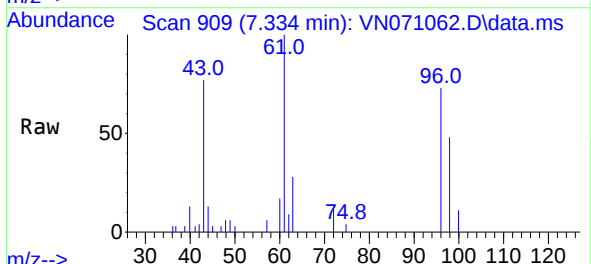
Ion	Ratio	Lower	Upper
84	100		
49	131.9	93.5	140.3
51	39.0	29.4	44.2
86	61.7	53.0	79.4

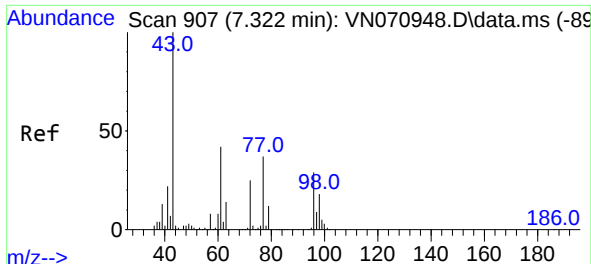


#25
2-Butanone
Concen: 2.071 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 43 Resp: 14540

Ion	Ratio	Lower	Upper
43	100		
72	16.5	21.7	32.5#





#27

cis-1,2-Dichloroethene

Concen: 1.271 ug/l

RT: 7.328 min Scan# 907

Delta R.T. 0.006 min

Lab File: VN071062.D

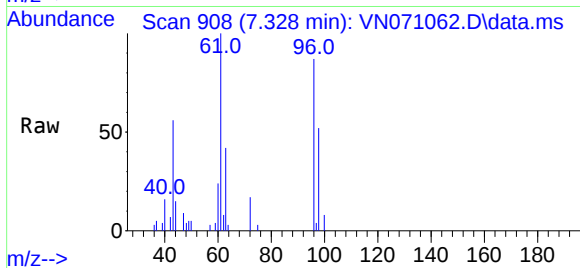
Acq: 24 Feb 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

WP-SOIL-1-FINAL



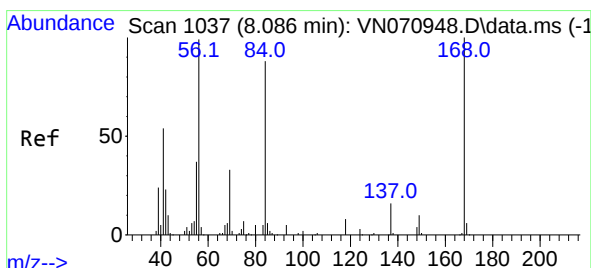
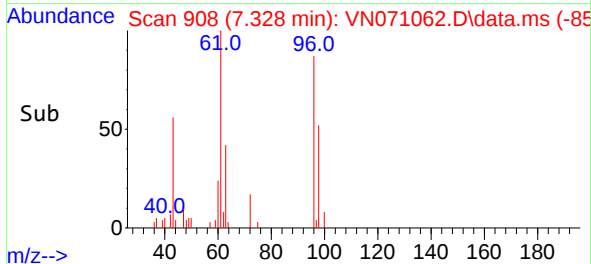
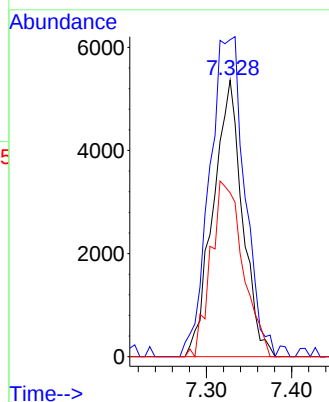
Tgt Ion: 96 Resp: 12881

Ion Ratio Lower Upper

96 100

61 139.6 0.0 275.0

98 69.0 0.0 129.6



#31

Cyclohexane

Concen: 1.044 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071062.D

Acq: 24 Feb 2022 17:56

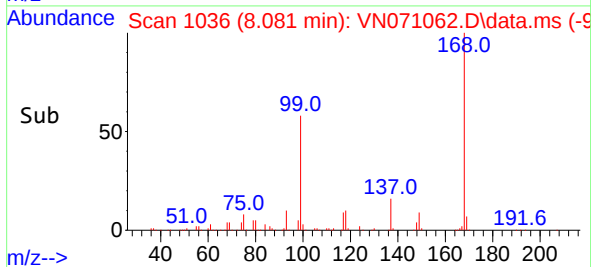
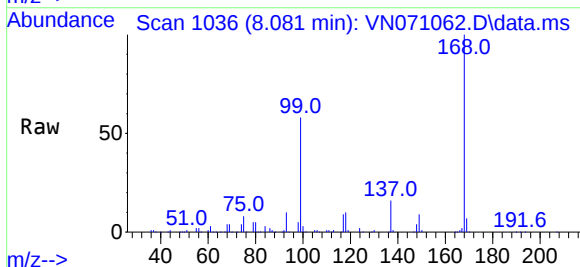
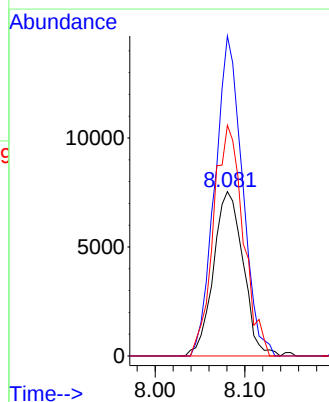
Tgt Ion: 56 Resp: 17304

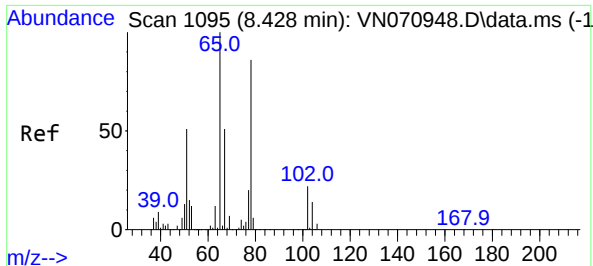
Ion Ratio Lower Upper

56 100

69 194.7 27.1 40.7#

84 140.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.943 ug/l

RT: 8.433 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071062.D

Acq: 24 Feb 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

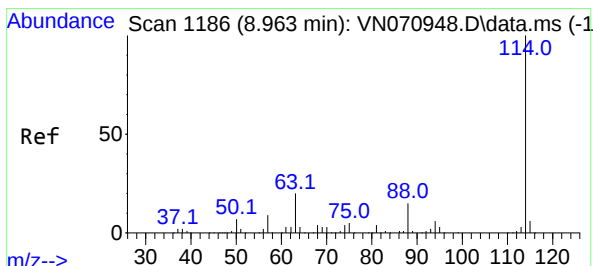
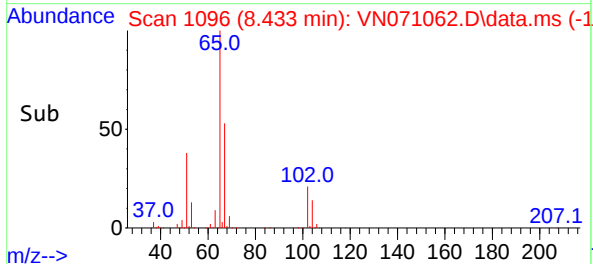
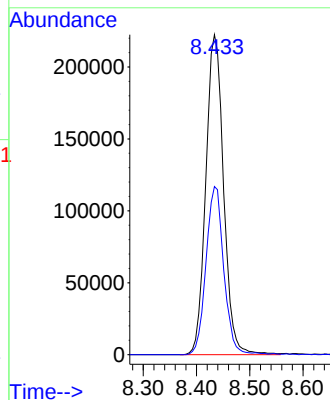
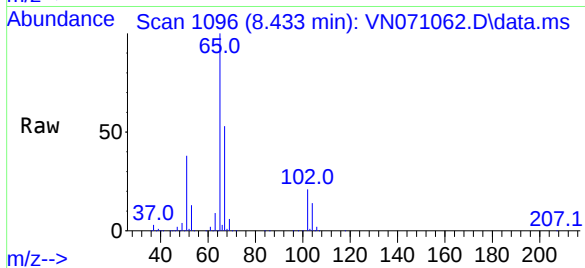
WP-SOIL-1-FINAL

Tgt Ion: 65 Resp: 517020

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071062.D

Acq: 24 Feb 2022 17:56

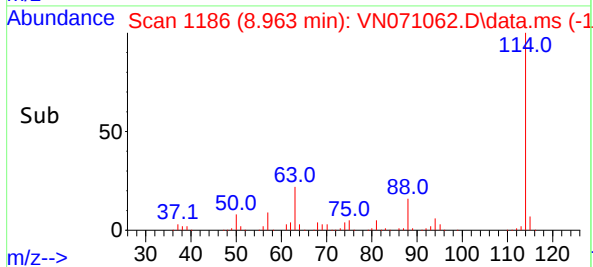
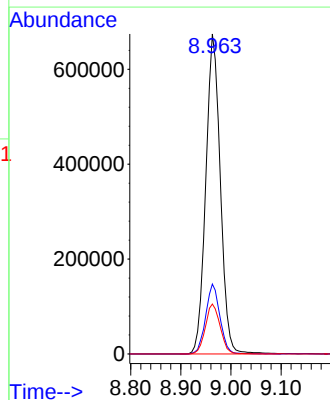
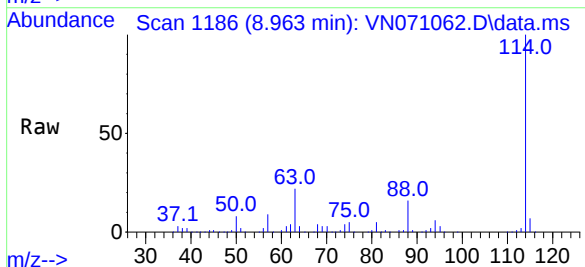
Tgt Ion: 114 Resp: 1361287

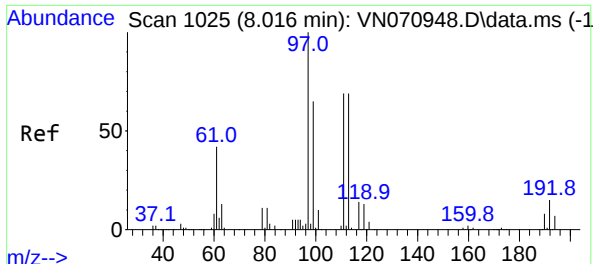
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.6 0.0 27.4

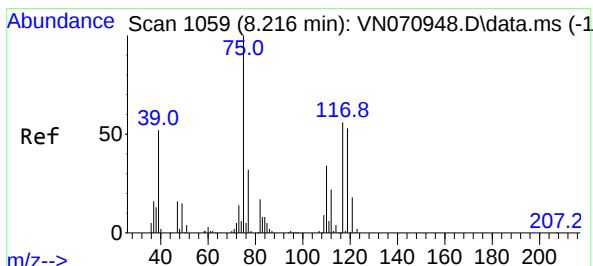
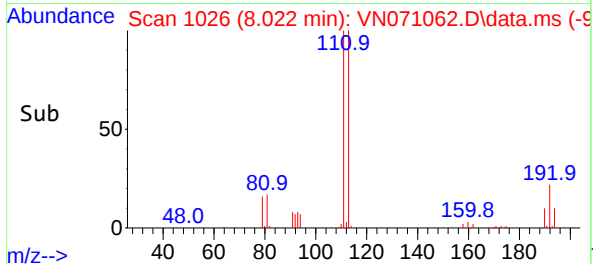
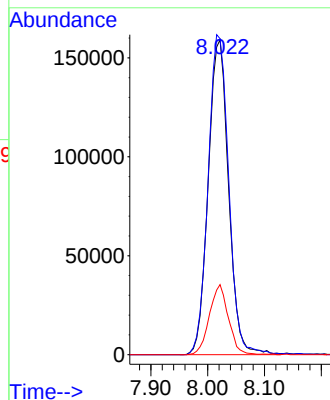
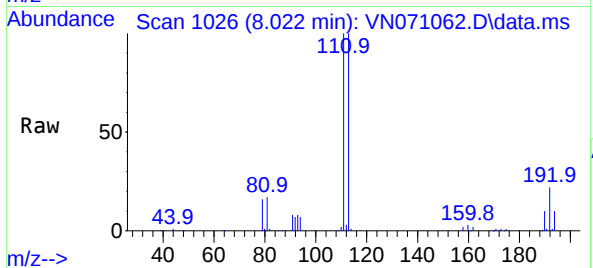




#35
Dibromofluoromethane
Concen: 48.827 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

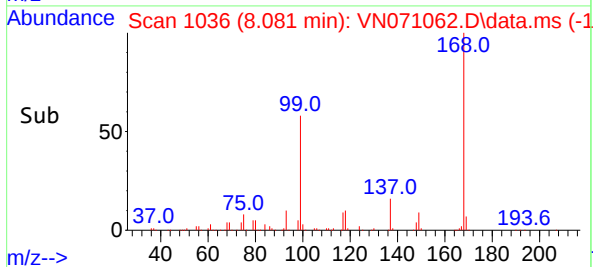
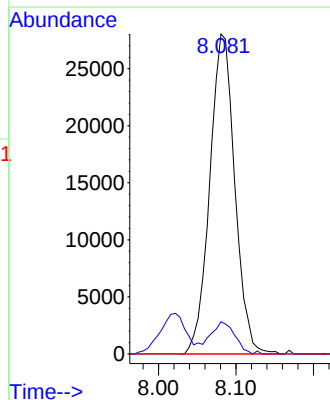
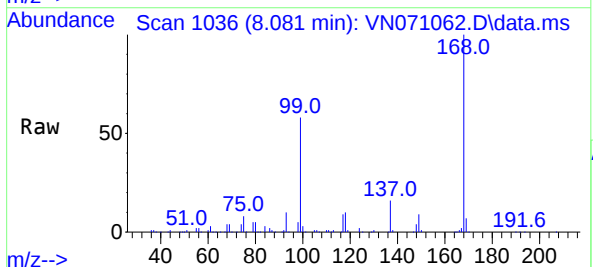
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

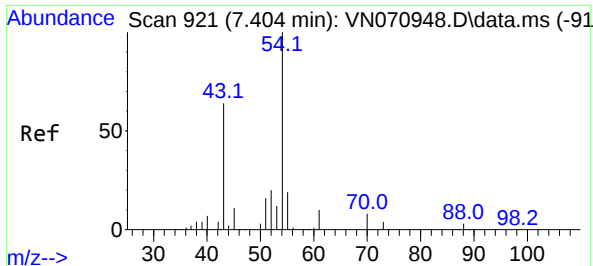
Tgt Ion:113 Resp: 395350
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 75 Resp: 63091
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#

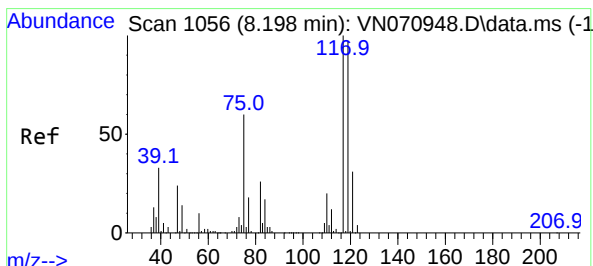
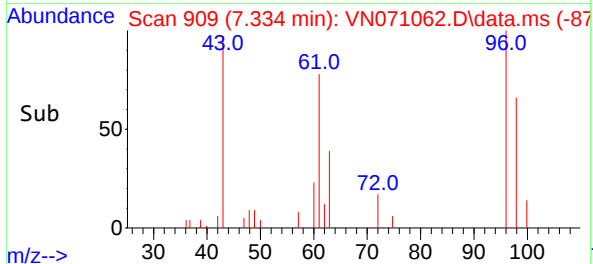
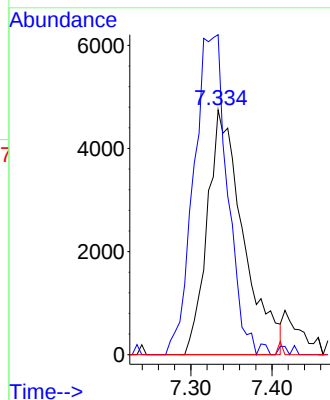
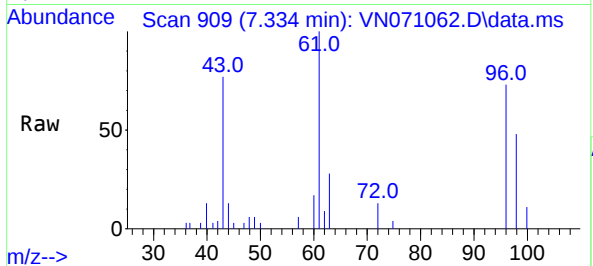




#37
Ethyl Acetate
Concen: 1.022 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.071 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

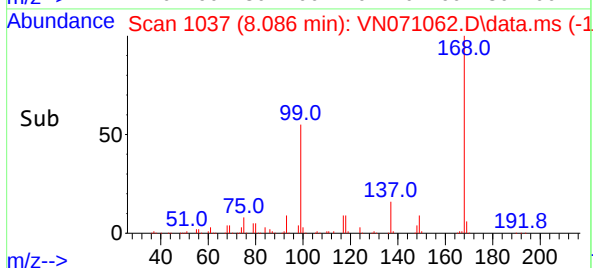
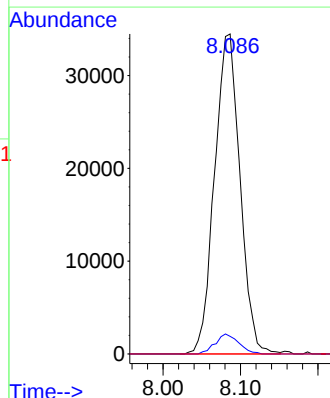
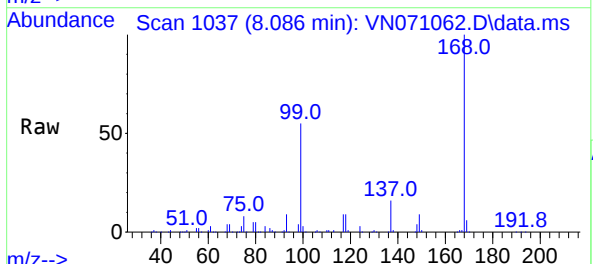
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

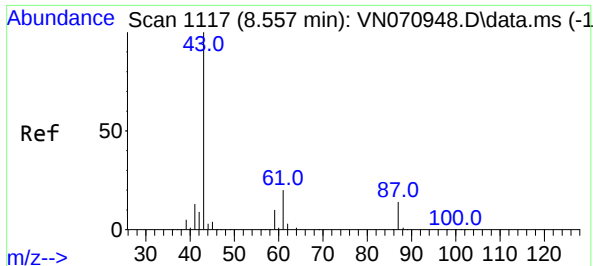
Tgt Ion: 43 Resp: 14540
Ion Ratio Lower Upper
43 100
61 123.7 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.032 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.112 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 117 Resp: 78841
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#

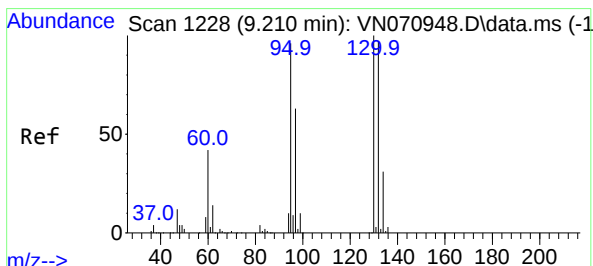
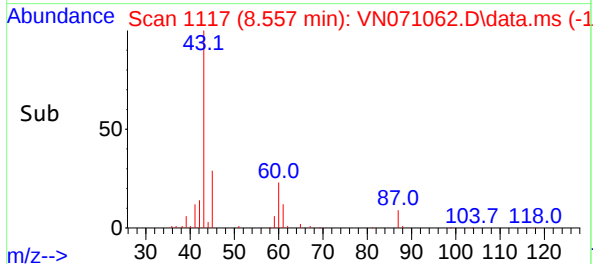
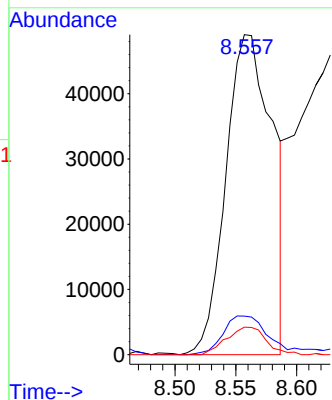
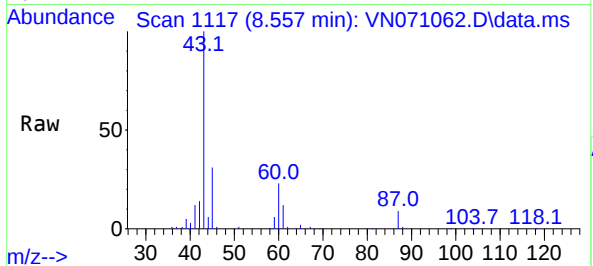




#43
Isopropyl Acetate
Concen: 5.809 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

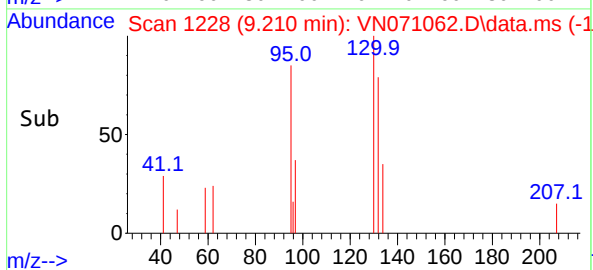
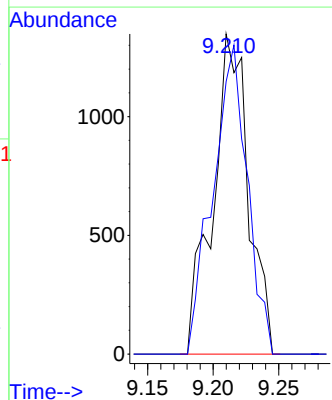
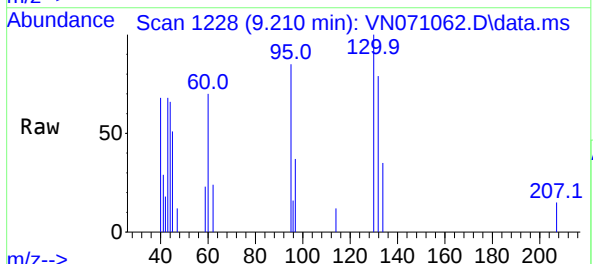
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

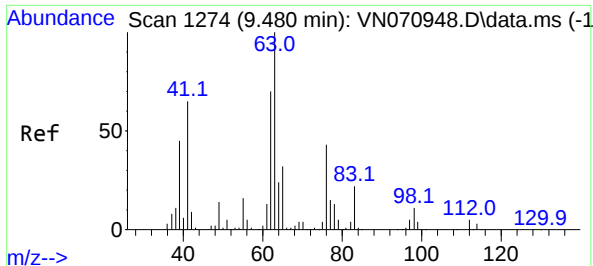
Tgt Ion: 43 Resp: 130255
Ion Ratio Lower Upper
43 100
61 12.3 20.4 30.6#
87 7.3 11.2 16.8#



#44
Trichloroethene
Concen: 0.246 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion:130 Resp: 2543
Ion Ratio Lower Upper
130 100
95 85.1 0.0 191.2

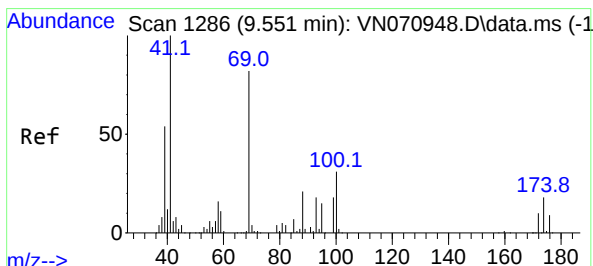
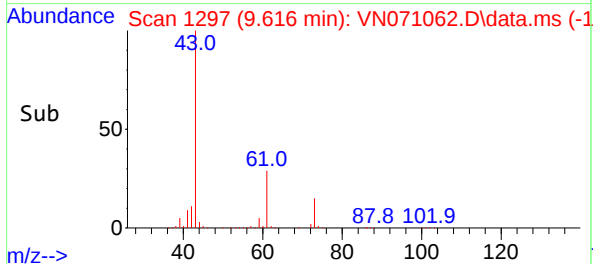
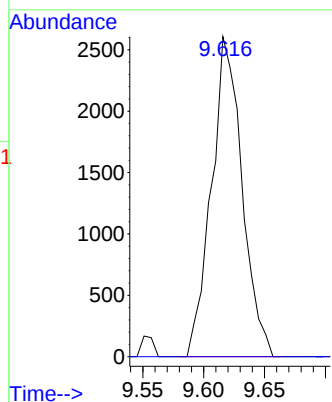
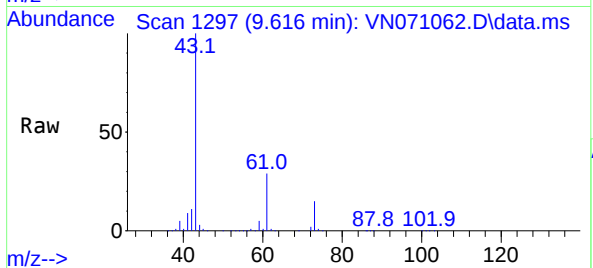




#45
1,2-Dichloropropane
Concen: 0.453 ug/l
RT: 9.616 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

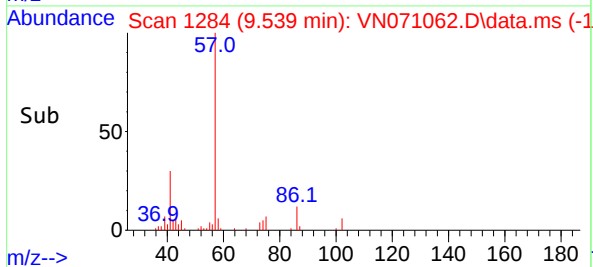
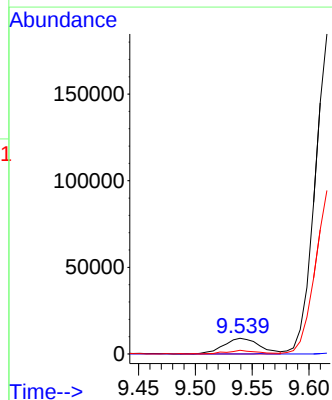
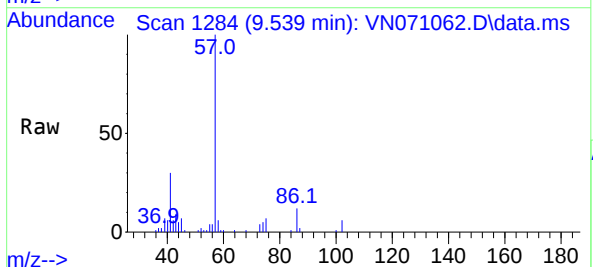
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

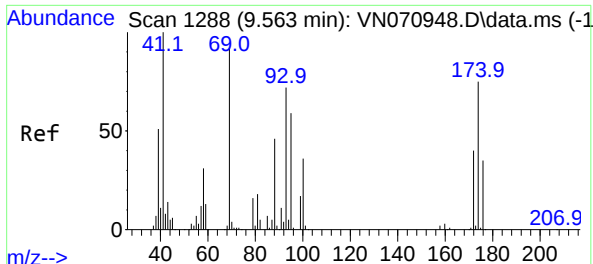
Tgt Ion: 63 Resp: 4558
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 1.872 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

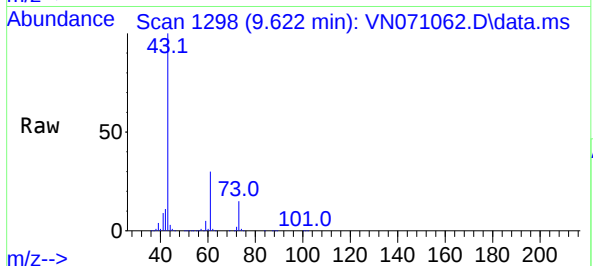
Tgt Ion: 41 Resp: 19872
Ion Ratio Lower Upper
41 100
69 0.4 72.4 108.6#
39 0.0 58.4 87.6#



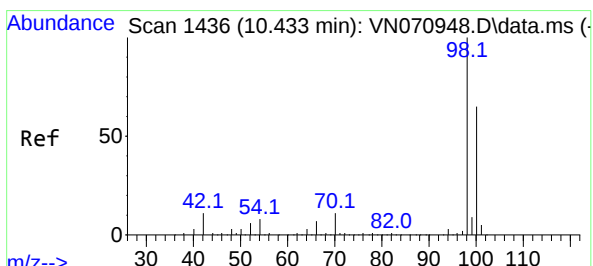
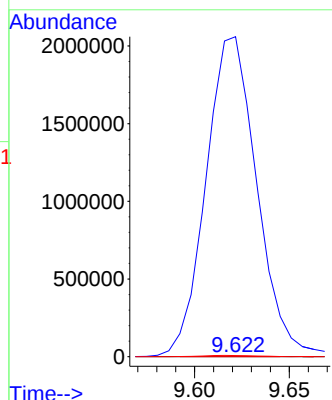
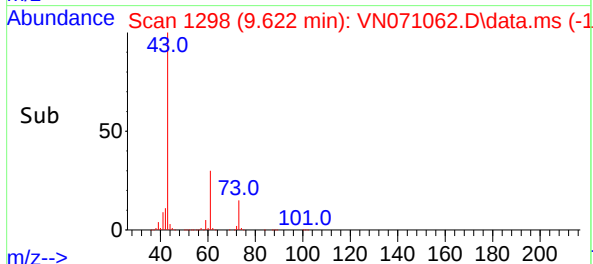


#49
1,4-Dioxane
Concen: 2.498 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

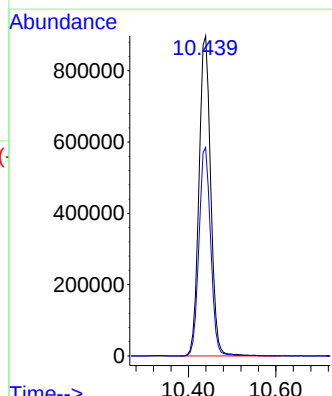
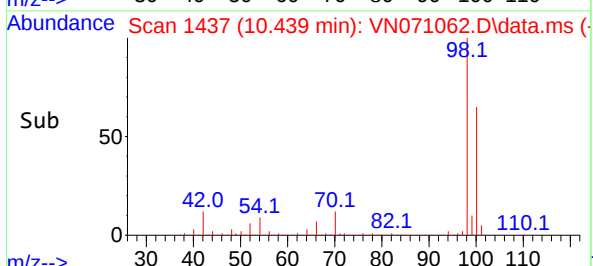
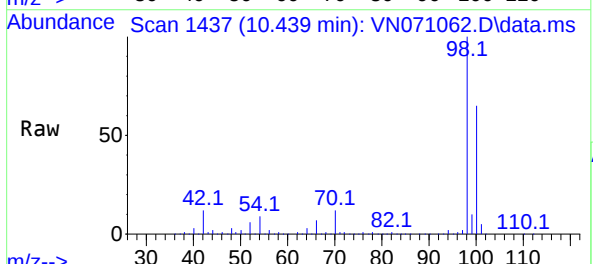


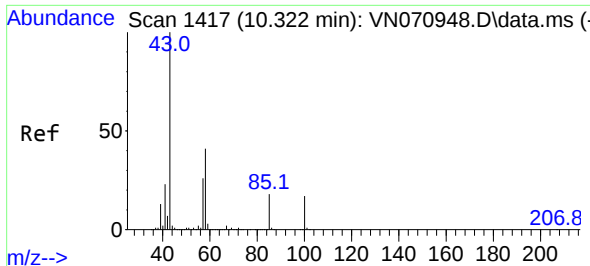
Tgt Ion: 88 Resp: 471
Ion Ratio Lower Upper
88 100
43 832065.8 23.4 35.2#
58 3455.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.458 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 98 Resp: 1673232
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6

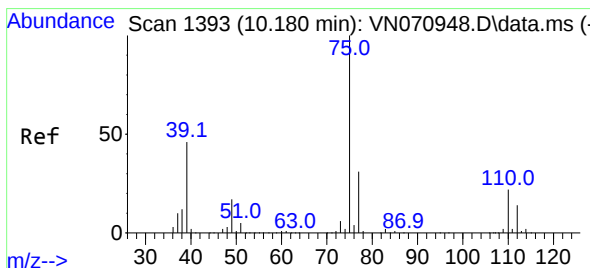
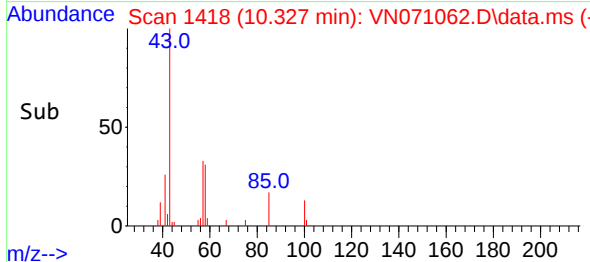
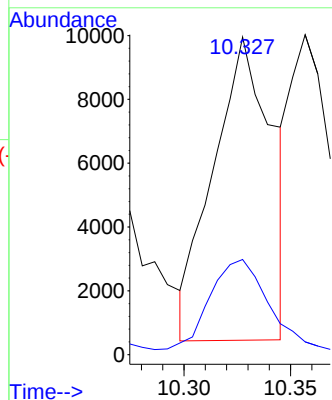
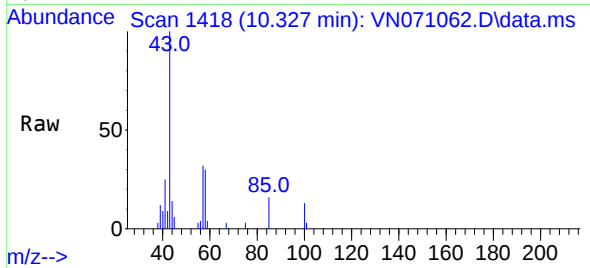




#51
4-Methyl-2-Pentanone
Concen: 1.333 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

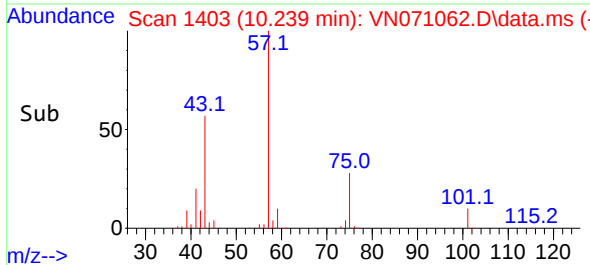
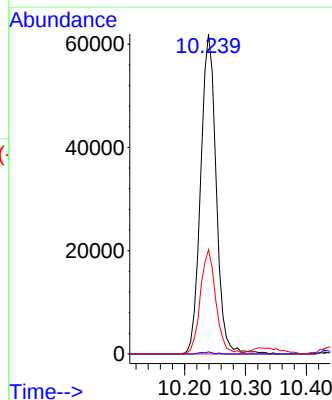
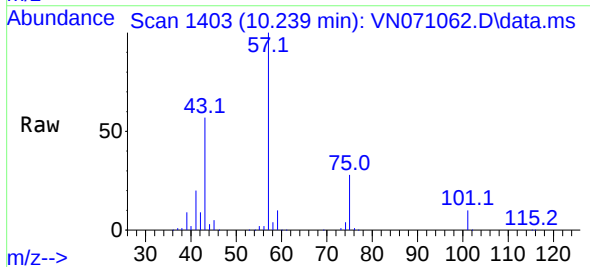
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

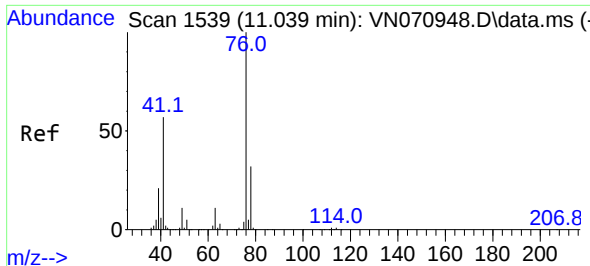
Tgt Ion: 43 Resp: 18193
Ion Ratio Lower Upper
43 100
58 34.6 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 6.882 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 75 Resp: 109870
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 32.6 42.5 63.7#

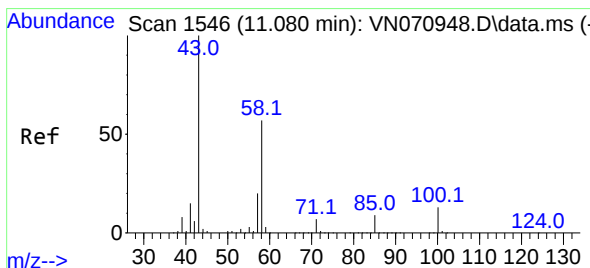
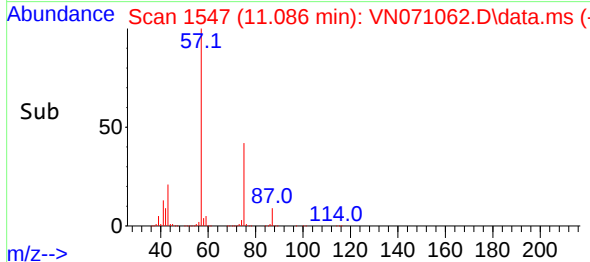
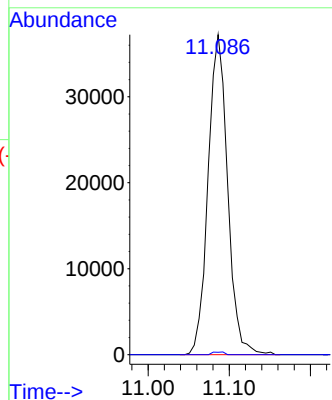
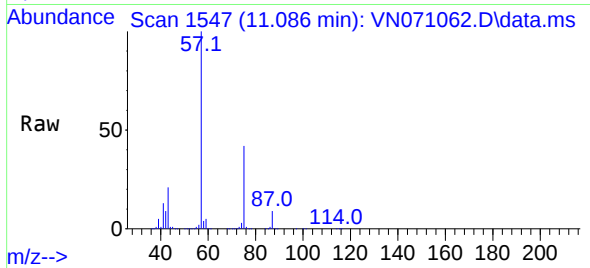




#57
1,3-Dichloropropane
Concen: 3.722 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

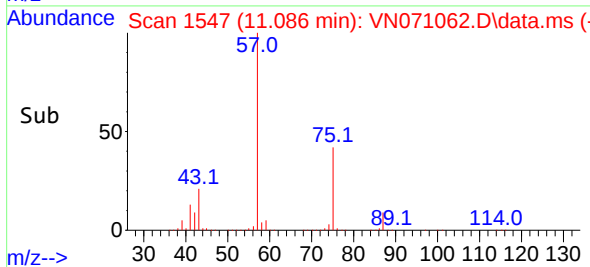
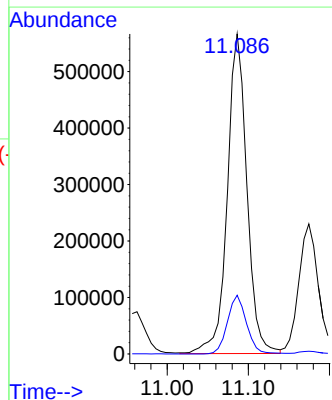
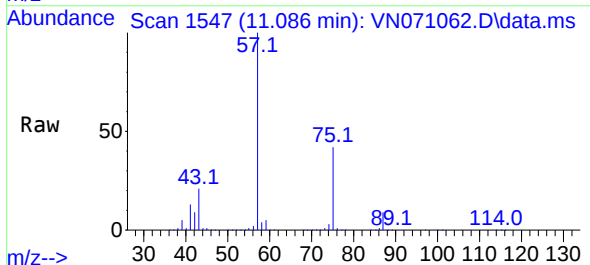
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

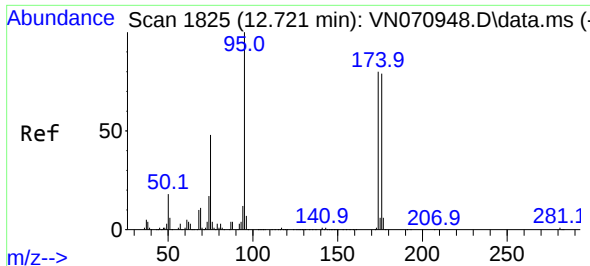
Tgt Ion: 76 Resp: 62137
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 101.236 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 43 Resp: 949949
Ion Ratio Lower Upper
43 100
58 17.9 26.9 80.7#

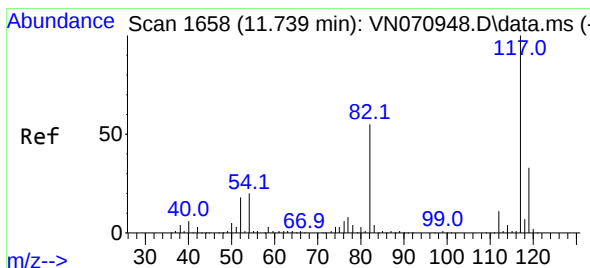
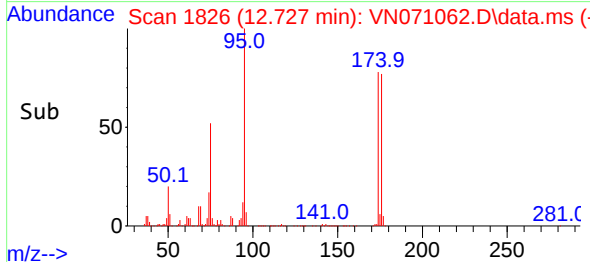
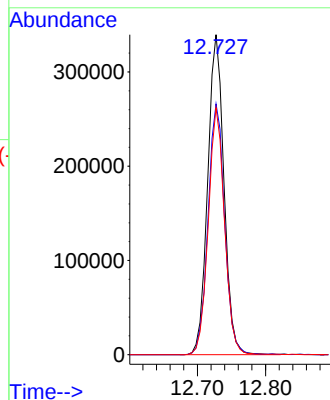
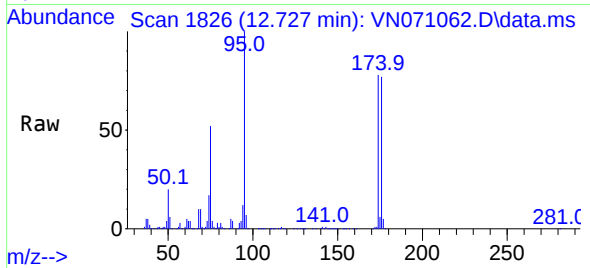




#62
4-Bromofluorobenzene
Concen: 48.469 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

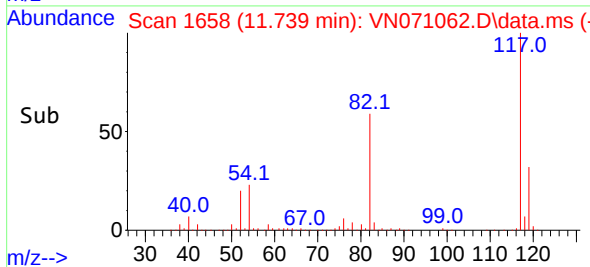
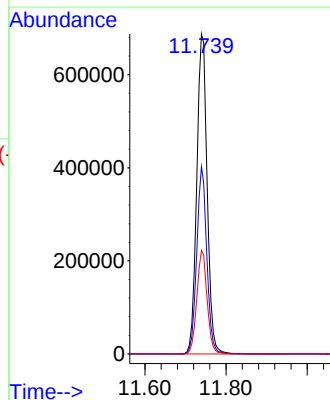
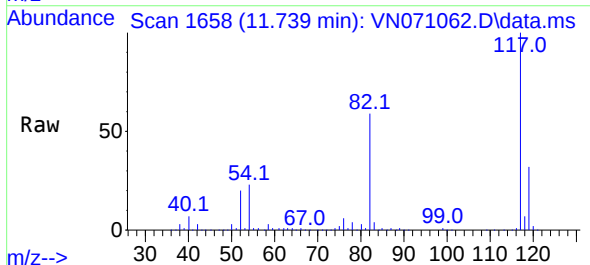
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

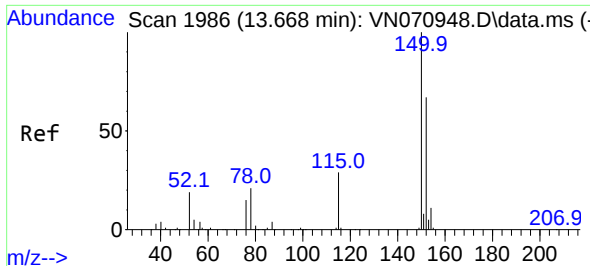
Tgt Ion: 95 Resp: 563348
Ion Ratio Lower Upper
95 100
174 80.2 0.0 187.2
176 77.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 117 Resp: 1232079
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 32.4 25.4 38.2

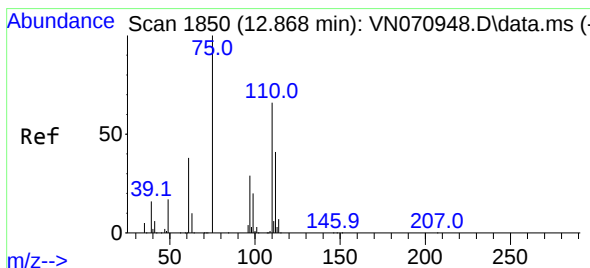
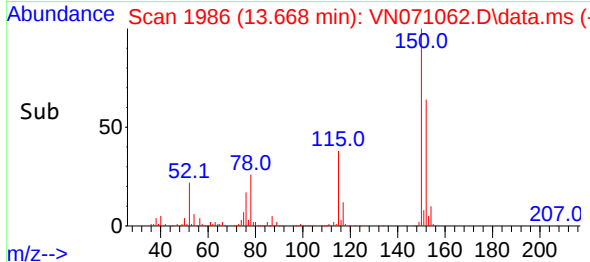
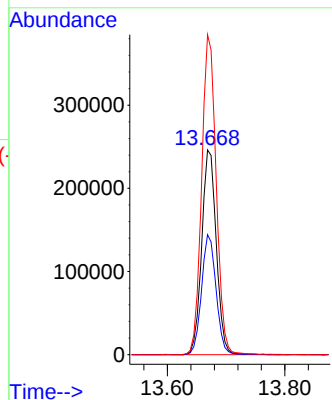
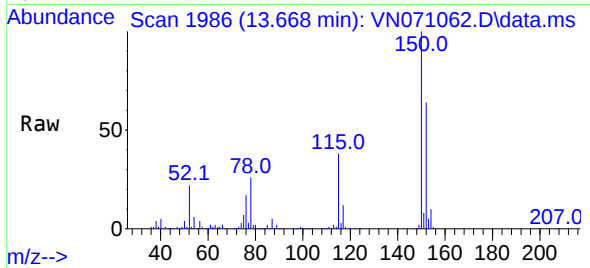




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

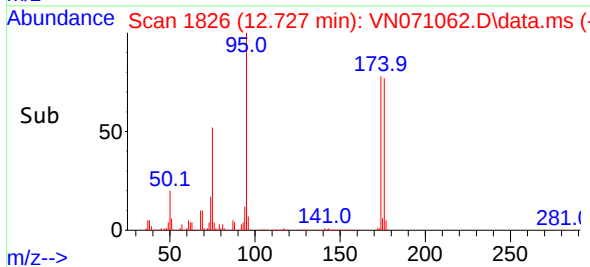
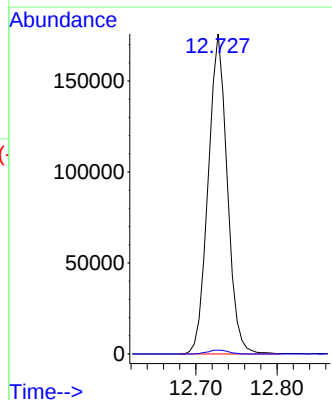
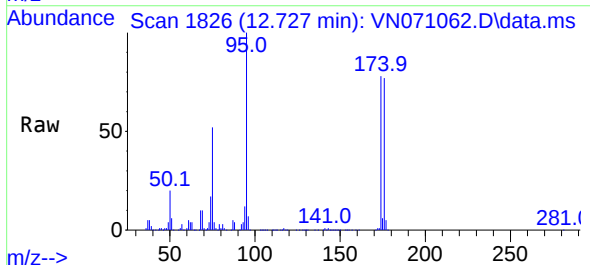
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

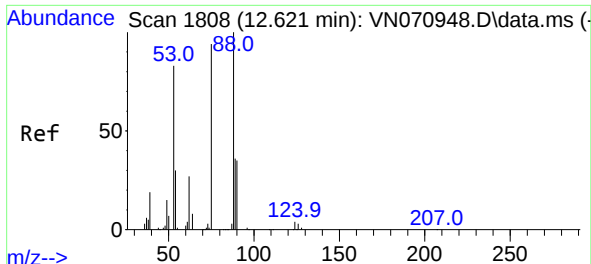
Tgt Ion:152 Resp: 422611
Ion Ratio Lower Upper
152 100
115 58.4 27.5 82.5
150 156.0 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.845 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion: 75 Resp: 287016
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

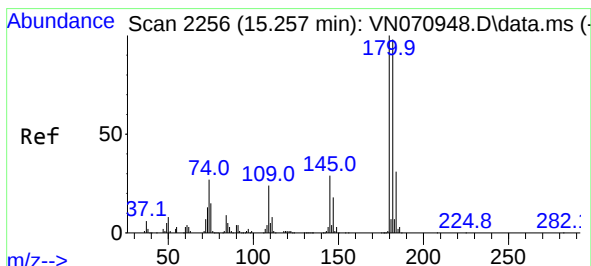
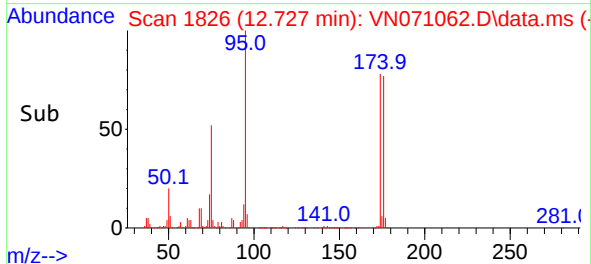
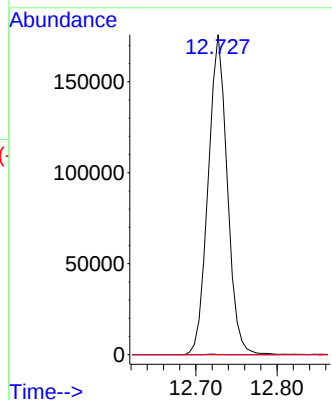
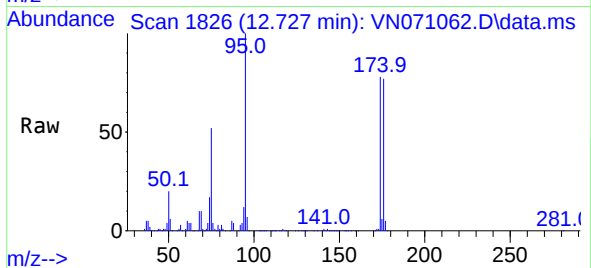




#81
trans-1,4-Dichloro-2-butene
Concen: 93.470 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

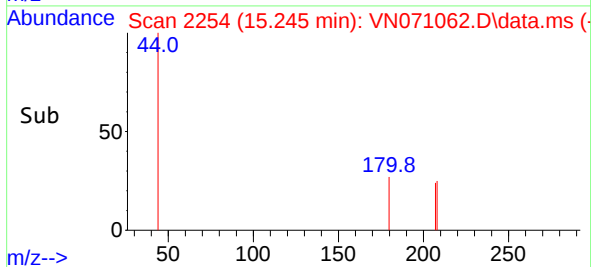
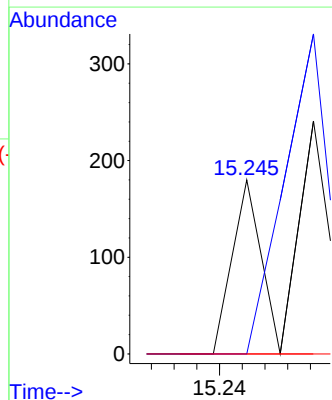
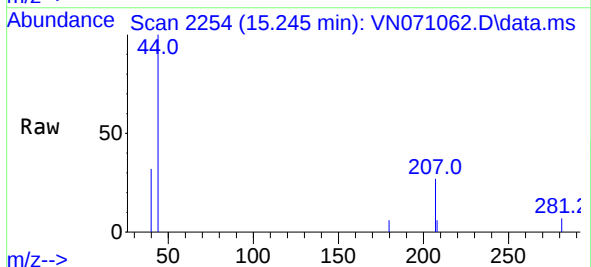
Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

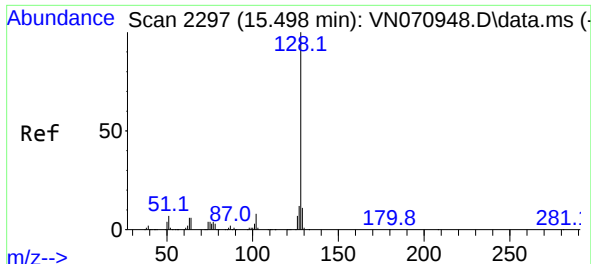
Tgt Ion: 75 Resp: 287016
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.007 ug/l
RT: 15.245 min Scan# 2254
Delta R.T. -0.012 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion:180 Resp: 64
Ion Ratio Lower Upper
180 100
182 371.9 48.3 144.9#
145 0.0 14.5 43.5#

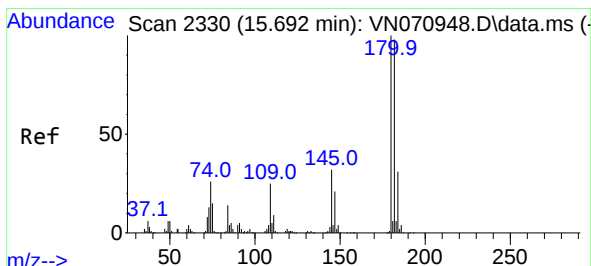
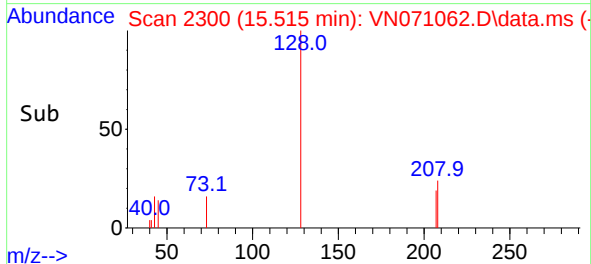
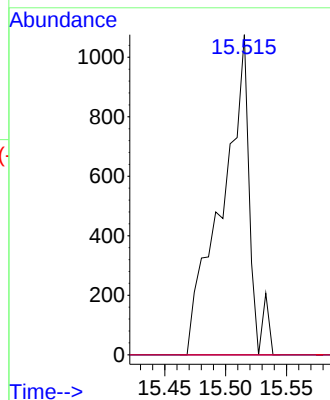
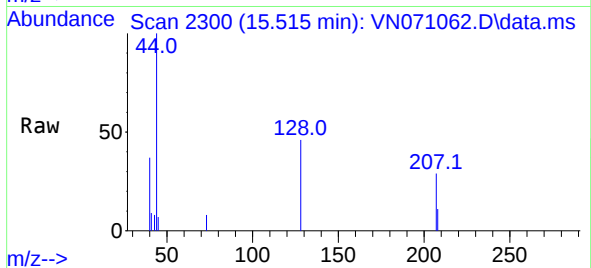




#95
Naphthalene
Concen: 5.071 ug/l
RT: 15.515 min Scan# 21
Delta R.T. 0.017 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Instrument :
MSVOA_N
ClientSampleId :
WP-SOIL-1-FINAL

Tgt Ion:128 Resp: 1706
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.531 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN071062.D
Acq: 24 Feb 2022 17:56

Tgt Ion:180 Resp: 113
Ion Ratio Lower Upper
180 100
182 46.9 47.4 142.2#
145 0.0 15.0 45.1#

