

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082247.D
 Acq On : 21 May 2024 17:54
 Operator : JC\MD
 Sample : P2538-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 POLE-SLEEVE-SOIL

Quant Time: May 22 01:30:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

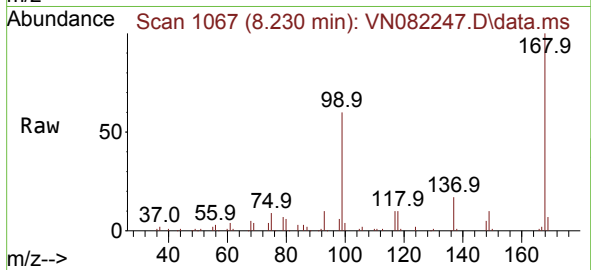
Internal Standards						
1) Pentafluorobenzene	8.230	168	164324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	298121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	283013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	138431	53.351	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.700%	
35) Dibromofluoromethane	8.171	113	96738	52.750	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.500%	
50) Toluene-d8	10.571	98	386531	54.975	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.940%	
62) 4-Bromofluorobenzene	12.853	95	128375	51.155	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	134	0.322	ug/l #	71
16) Acetone	4.430	43	60180	56.539	ug/l	95
17) Carbon Disulfide	4.712	76	1979	0.341	ug/l #	74
18) Methyl Acetate	5.042	43	3740	1.411	ug/l #	59
20) Methylene Chloride	5.277	84	9101	4.238	ug/l #	84
25) 2-Butanone	7.494	43	13835	8.573	ug/l	89
29) Tetrahydrofuran	7.847	42	729	0.704	ug/l #	29
31) Cyclohexane	8.218	56	4999	1.206	ug/l #	63
36) 1,1-Dichloropropene	8.224	75	15338	4.987	ug/l #	49
37) Ethyl Acetate	7.571	43	4841	1.406	ug/l #	76
38) Carbon Tetrachloride	8.224	117	18084	5.800	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1069	0.303	ug/l #	73
43) Isopropyl Acetate	8.694	43	258947	42.456	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1519	0.642	ug/l #	45
48) Methyl methacrylate	9.665	41	5480	1.886	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	12594	3.634	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	50343	14.021	ug/l #	71
56) Ethyl methacrylate	10.988	69	1630	0.480	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5577	1.491	ug/l #	42
59) 2-Hexanone	11.171	43	140914	55.535	ug/l #	23
67) Ethyl Benzene	11.965	91	4730	0.423	ug/l #	80
68) m/p-Xylenes	12.070	106	5672	1.384	ug/l	100
69) o-Xylene	12.406	106	3428	0.863	ug/l	90
71) Bromoform	12.847	173	855	1.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	77035	30.630	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77035	71.642	ug/l #	12

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

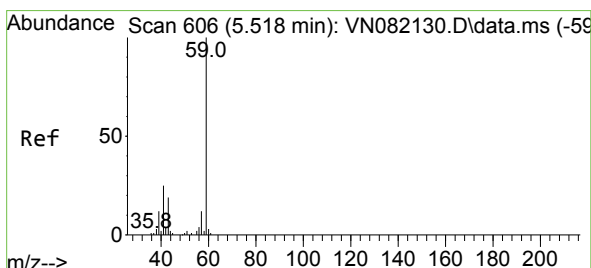
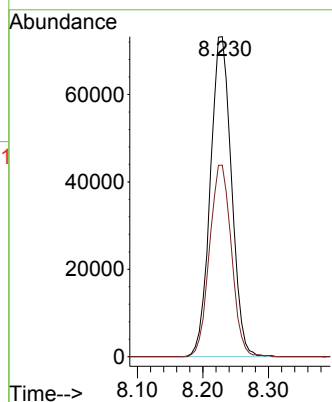
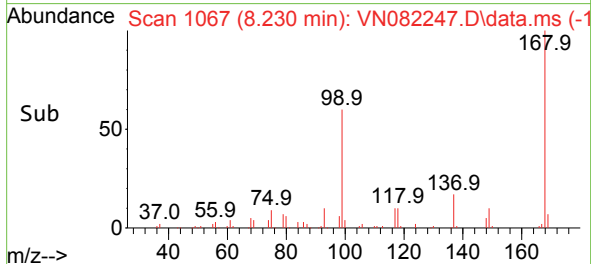


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

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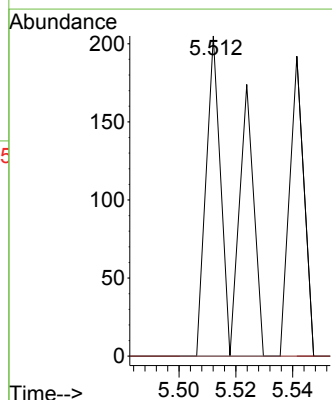
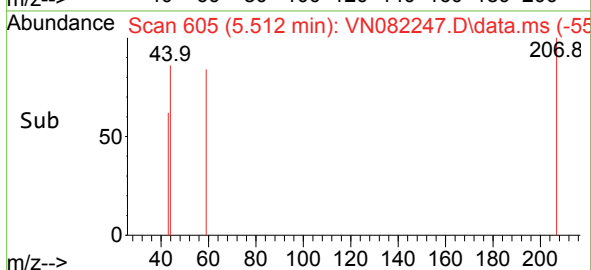
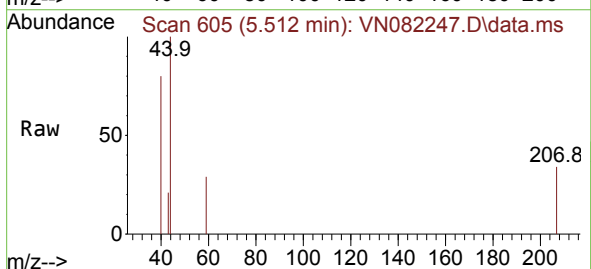


Tgt Ion:168 Resp: 164324
Ion Ratio Lower Upper
168 100
99 59.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

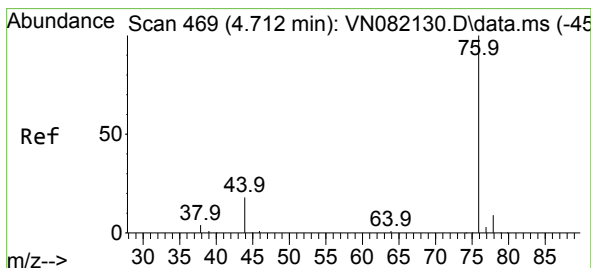
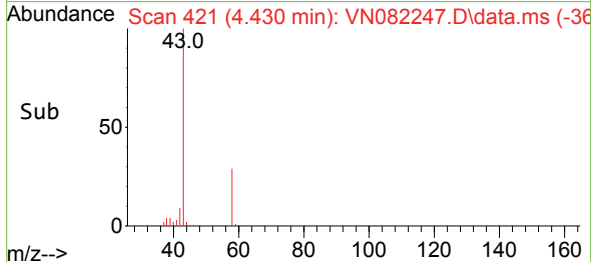
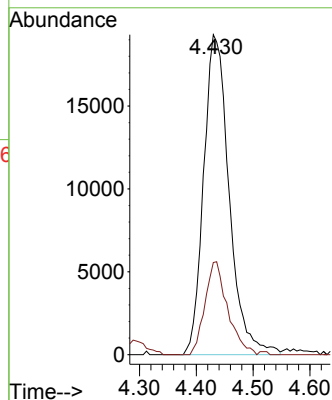
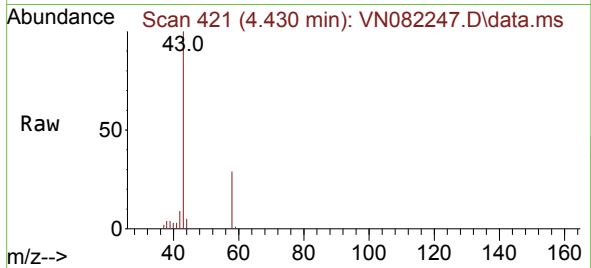




#16
Acetone
Concen: 56.539 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

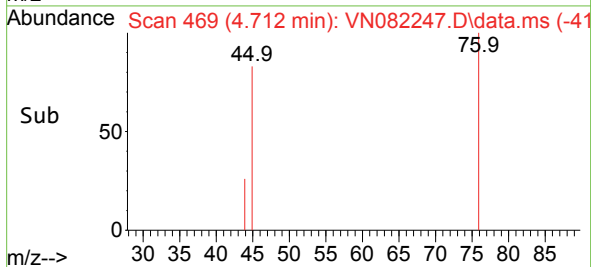
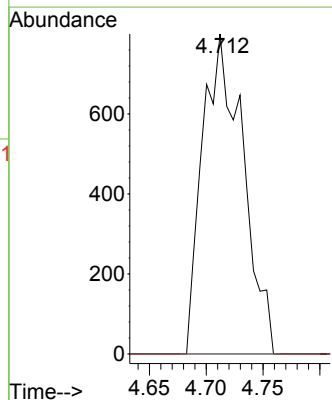
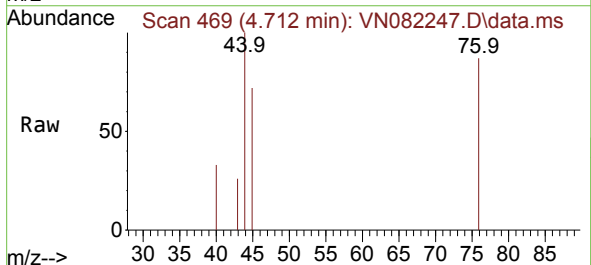
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

Tgt Ion: 43 Resp: 60180
Ion Ratio Lower Upper
43 100
58 28.8 25.2 37.8



#17
Carbon Disulfide
Concen: 0.341 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 76 Resp: 1979
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

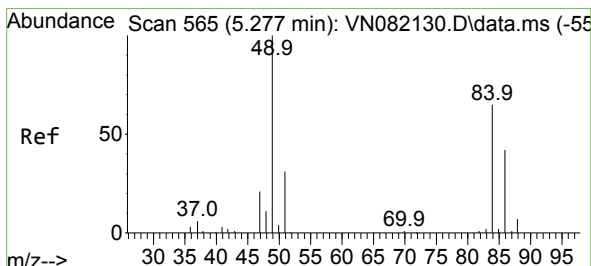
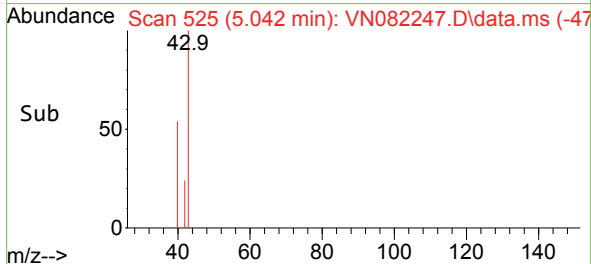
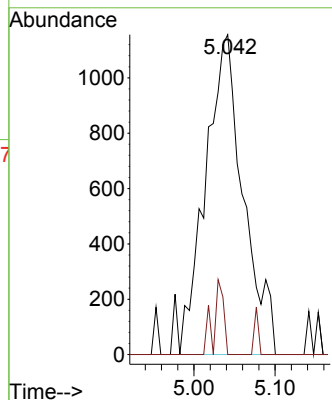
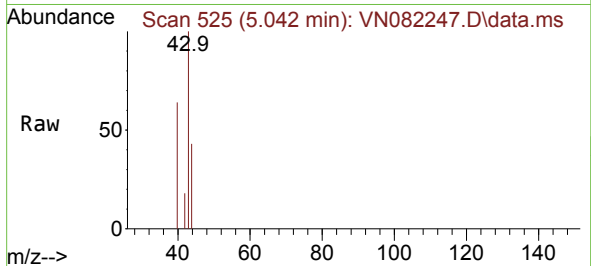




#18
Methyl Acetate
Concen: 1.411 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

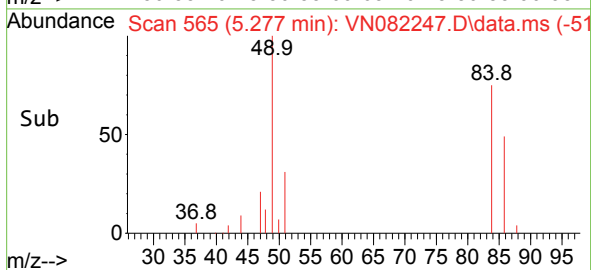
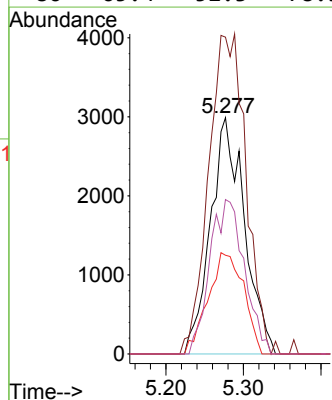
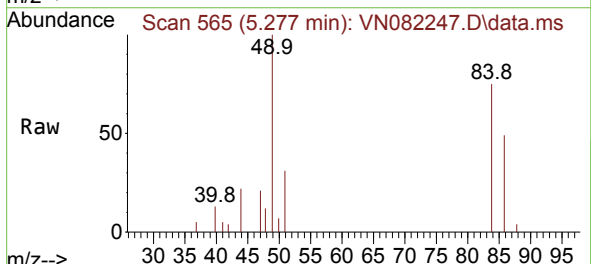
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

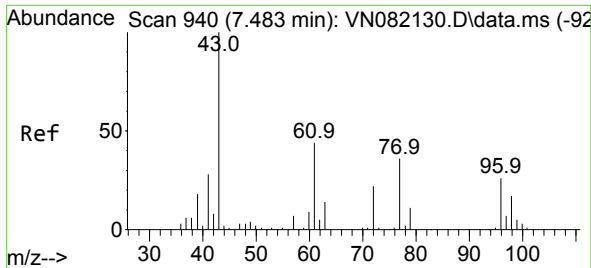
Tgt Ion: 43 Resp: 3740
Ion Ratio Lower Upper
43 100
74 6.2 22.2 33.2#



#20
Methylene Chloride
Concen: 4.238 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 84 Resp: 9101
Ion Ratio Lower Upper
84 100
49 134.0 84.9 127.3#
51 41.8 27.0 40.6#
86 65.4 52.3 78.5

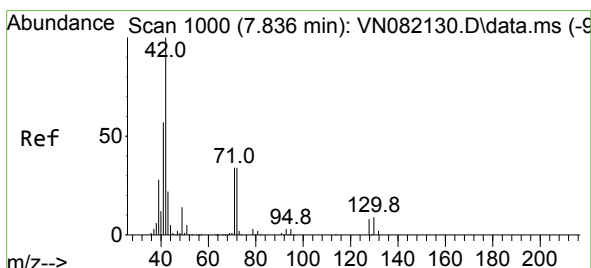
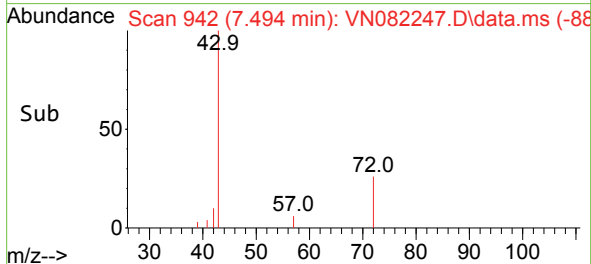
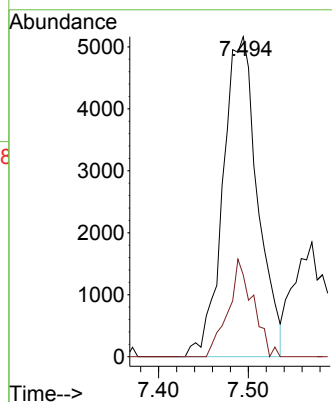
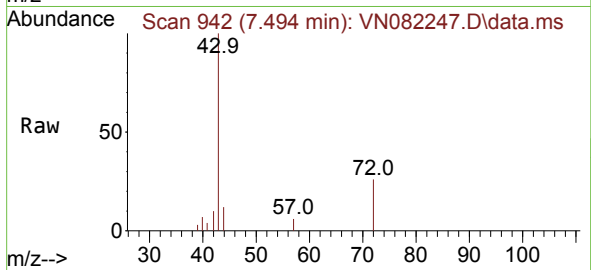




#25
2-Butanone
Concen: 8.573 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

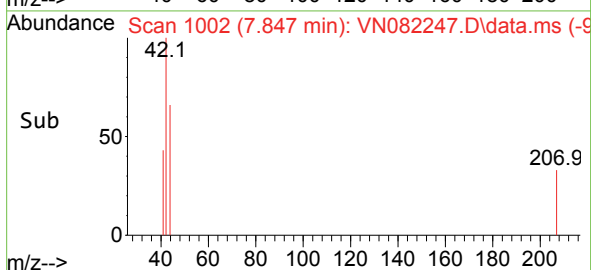
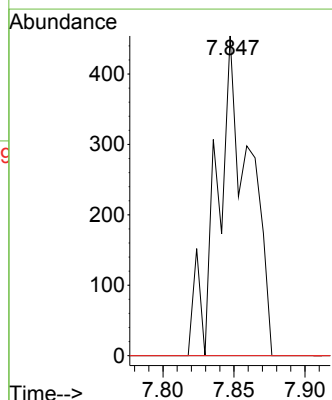
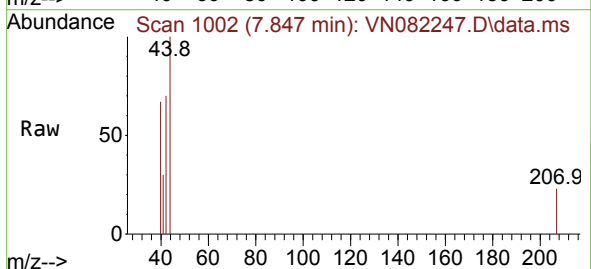
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

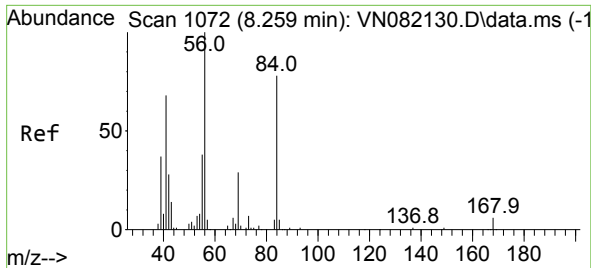
Tgt Ion: 43 Resp: 13835
Ion Ratio Lower Upper
43 100
72 25.5 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.704 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 42 Resp: 729
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

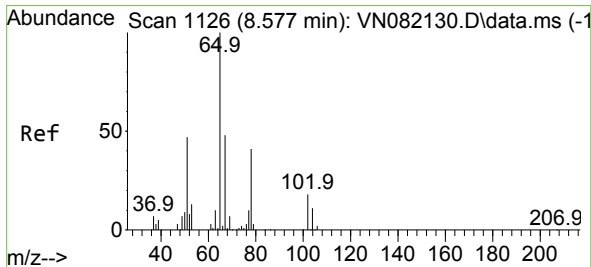
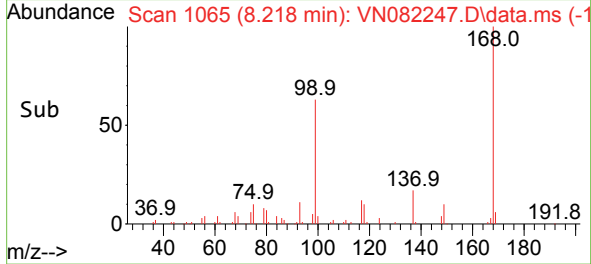
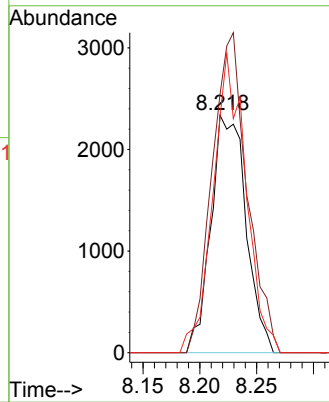
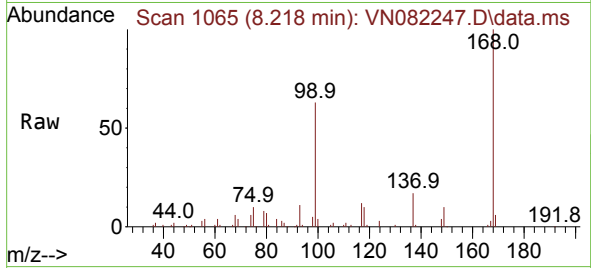




#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

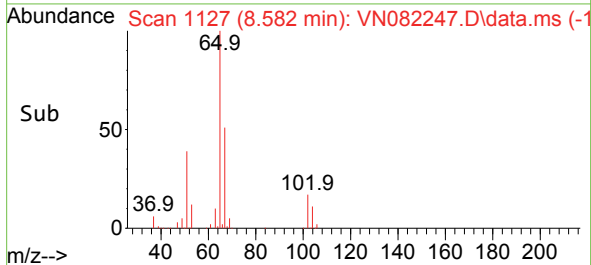
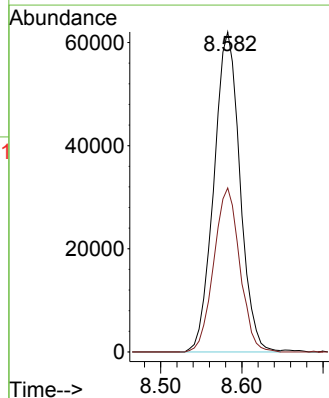
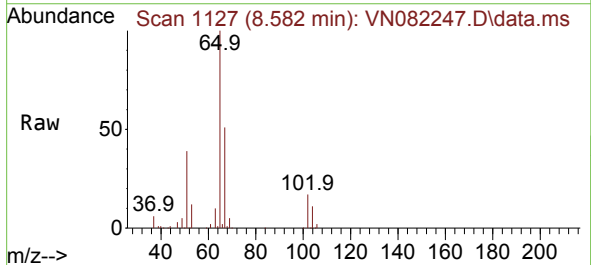
Instrument :
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POLE-SLEEVE-SOIL

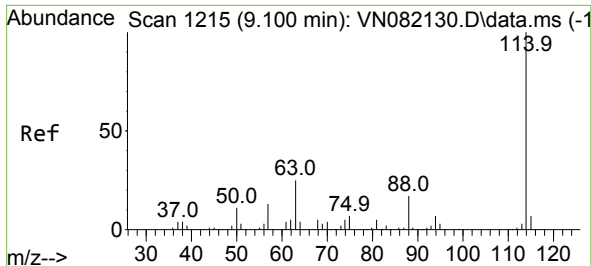
Tgt Ion: 56 Resp: 4999
Ion Ratio Lower Upper
56 100
69 108.8 24.4 36.6#
84 99.1 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.351 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 65 Resp: 138431
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082247.D

Acq: 21 May 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :

POLE-SLEEVE-SOIL

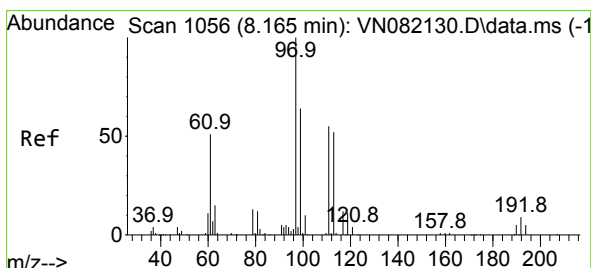
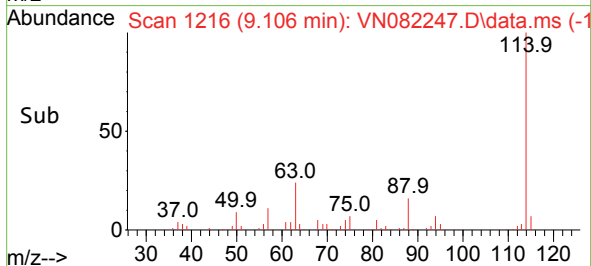
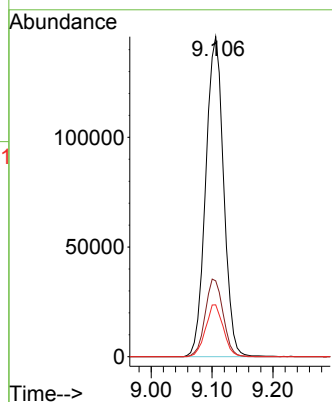
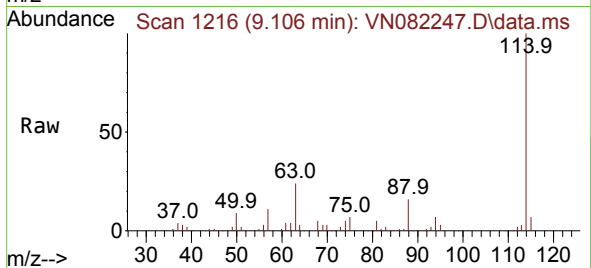
Tgt Ion:114 Resp: 298121

Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

88 16.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.750 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082247.D

Acq: 21 May 2024 17:54

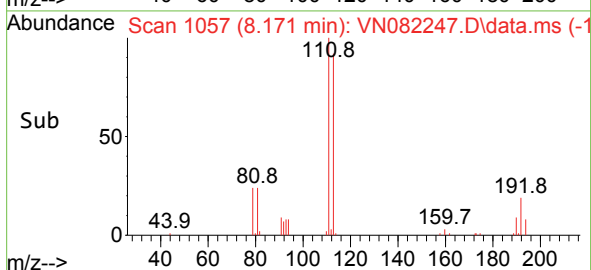
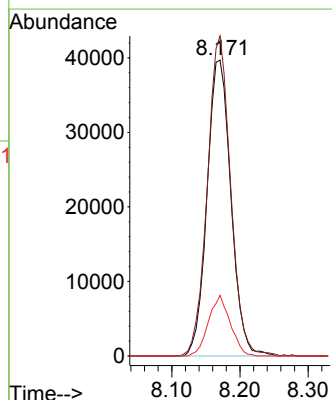
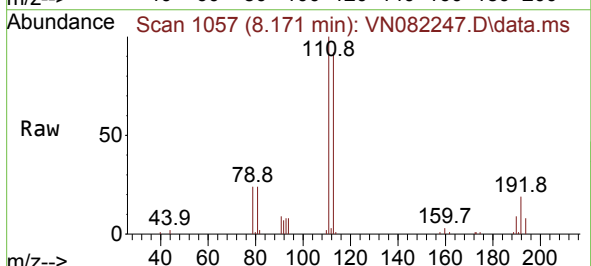
Tgt Ion:113 Resp: 96738

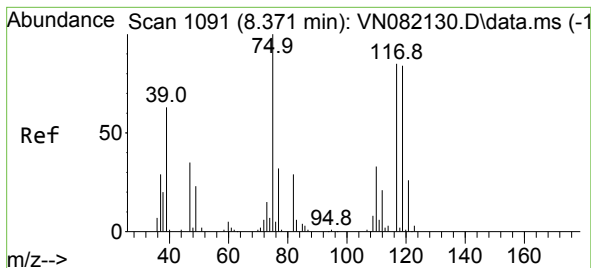
Ion Ratio Lower Upper

113 100

111 105.3 83.4 125.2

192 18.7 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.987 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN082247.D

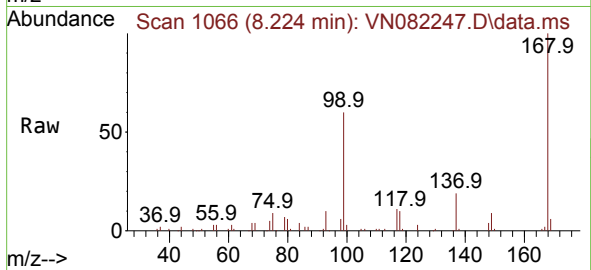
Acq: 21 May 2024 17:54

Instrument :

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ClientSampleId :

POLE-SLEEVE-SOIL



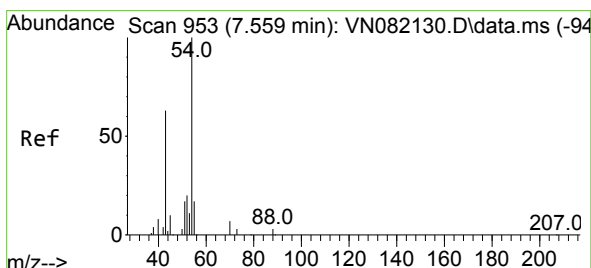
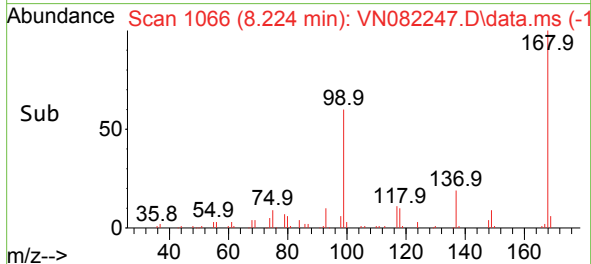
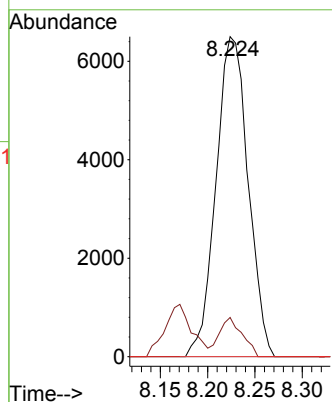
Tgt Ion: 75 Resp: 15338

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.406 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN082247.D

Acq: 21 May 2024 17:54

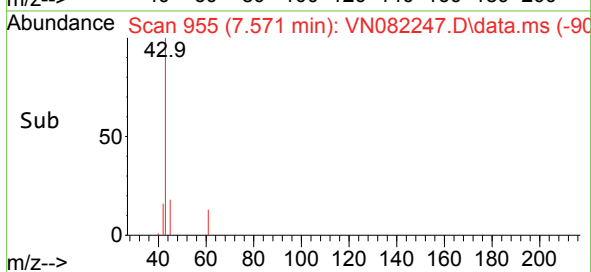
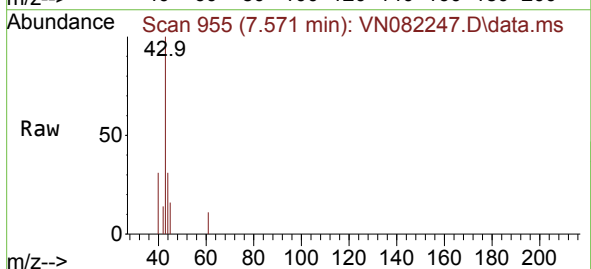
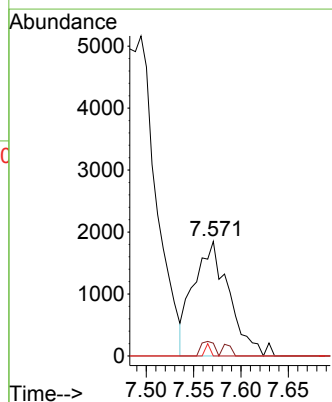
Tgt Ion: 43 Resp: 4841

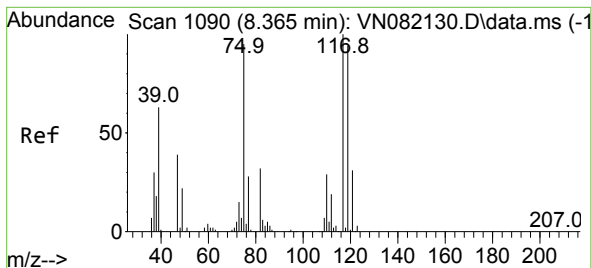
Ion Ratio Lower Upper

43 100

61 4.7 11.3 16.9#

70 1.4 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.800 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN082247.D

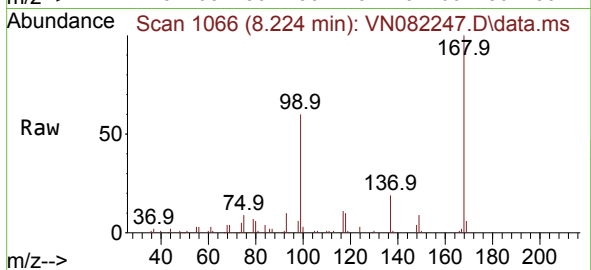
Acq: 21 May 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :

POLE-SLEEVE-SOIL



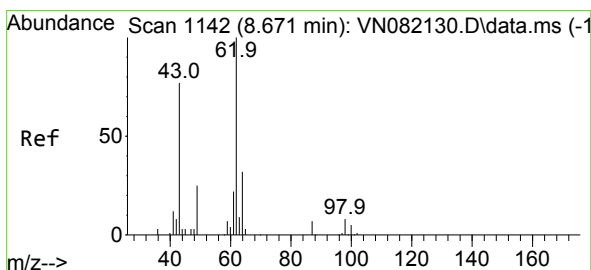
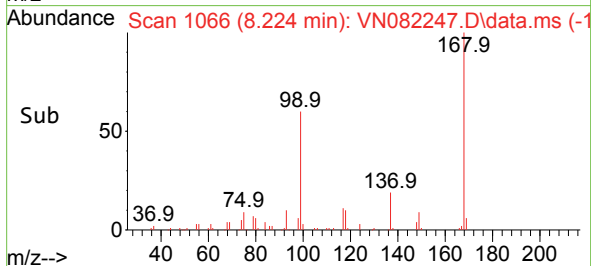
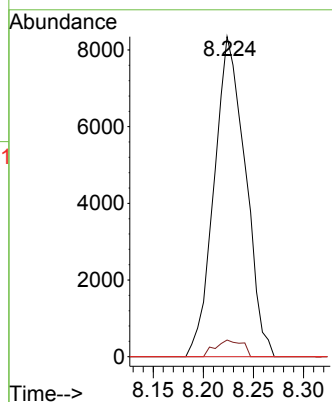
Tgt Ion:117 Resp: 18084

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.303 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082247.D

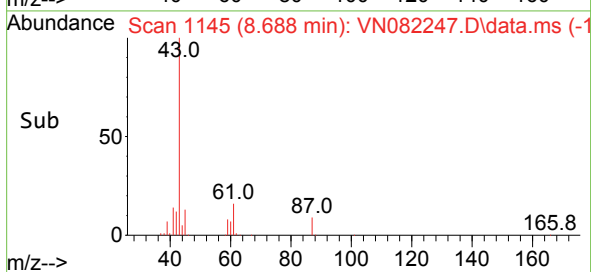
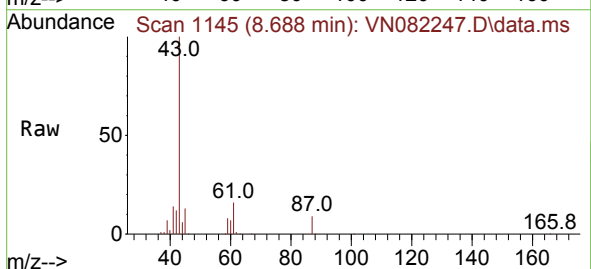
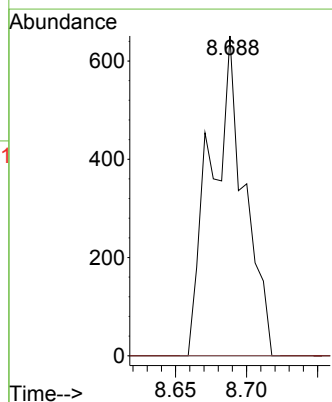
Acq: 21 May 2024 17:54

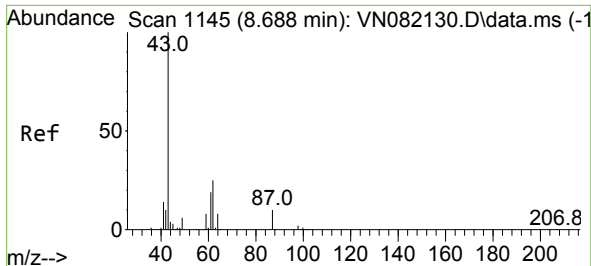
Tgt Ion: 62 Resp: 1069

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

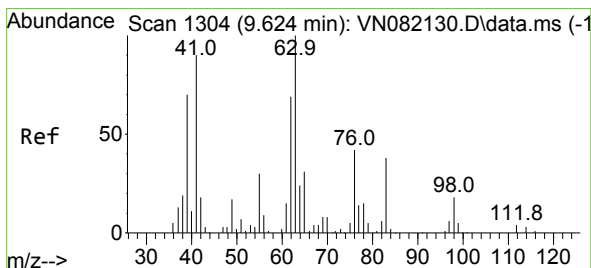
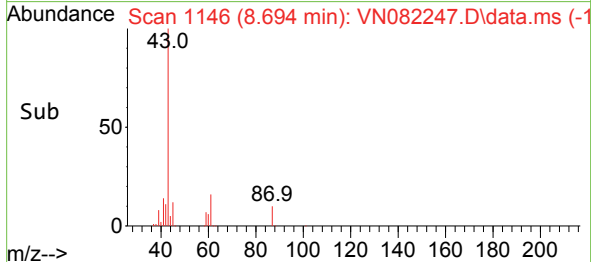
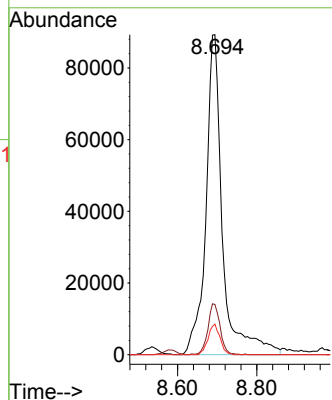
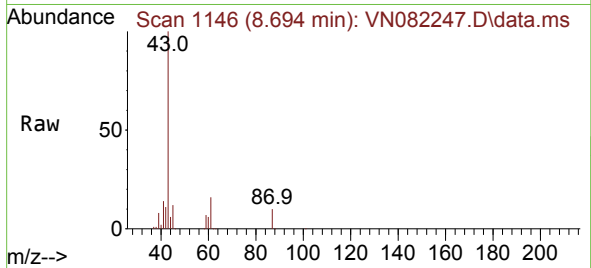




#43
Isopropyl Acetate
Concen: 42.456 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

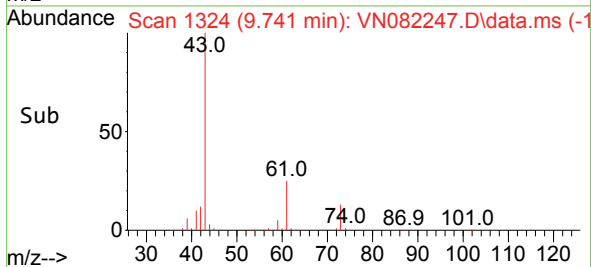
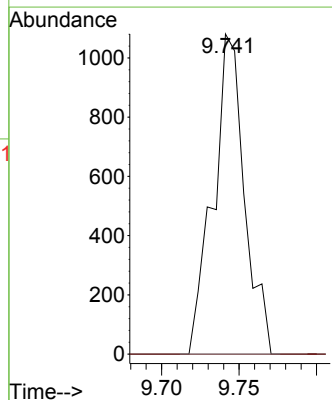
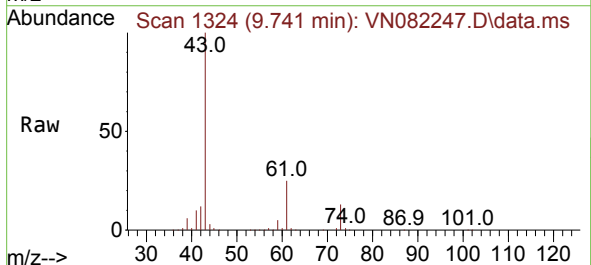
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

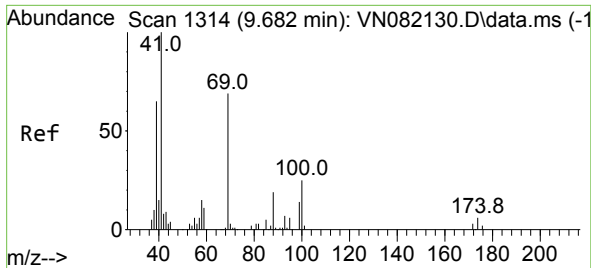
Tgt Ion: 43 Resp: 258947
Ion Ratio Lower Upper
43 100
61 11.8 22.8 34.2#
87 6.8 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.642 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 63 Resp: 1519
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

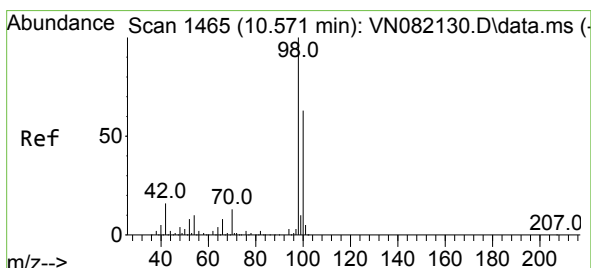
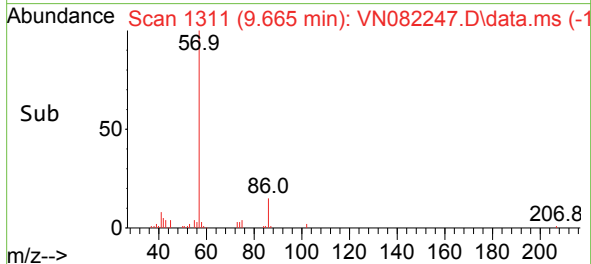
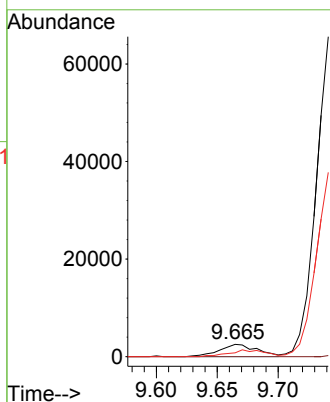
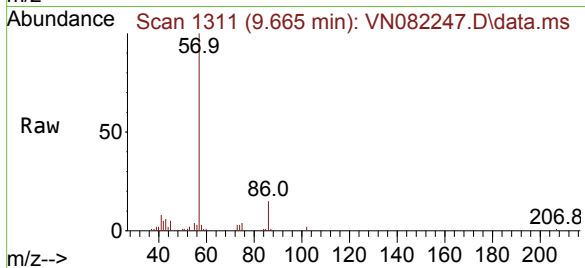




#48
Methyl methacrylate
Concen: 1.886 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

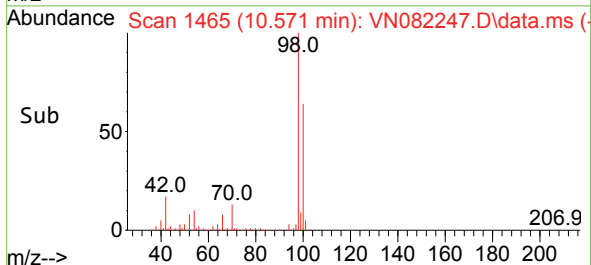
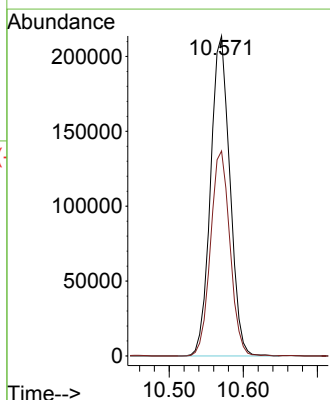
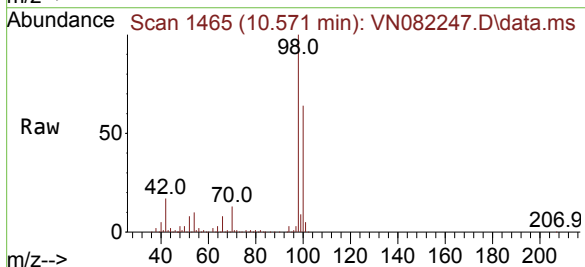
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

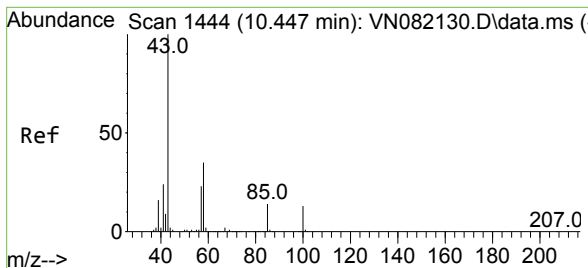
Tgt Ion: 41 Resp: 5480
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 51.6 50.9 76.3



#50
Toluene-d8
Concen: 54.975 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 98 Resp: 386531
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

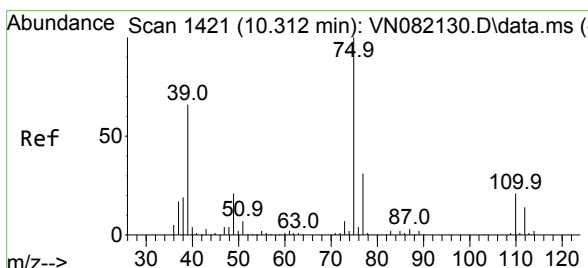
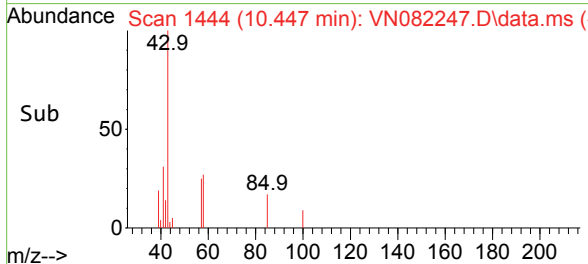
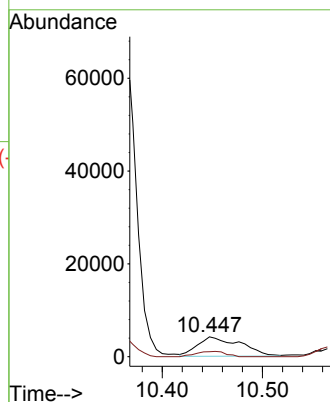
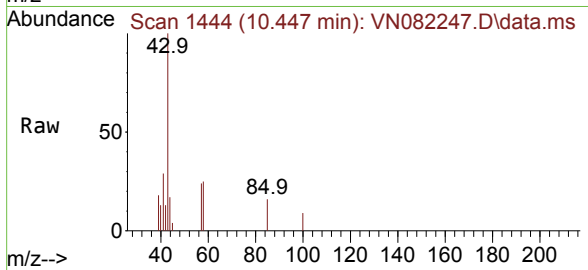




#51
4-Methyl-2-Pentanone
Concen: 3.634 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

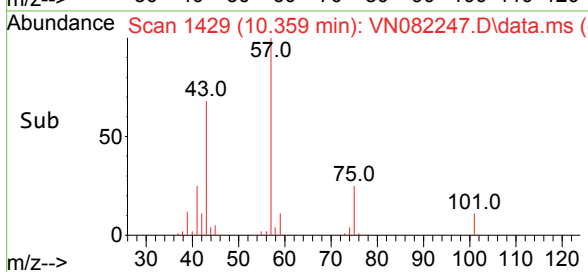
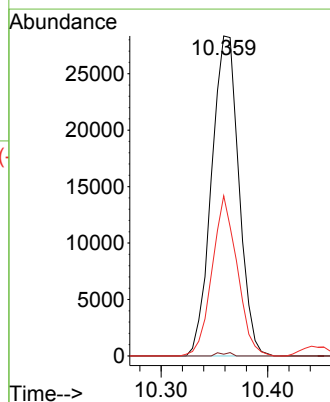
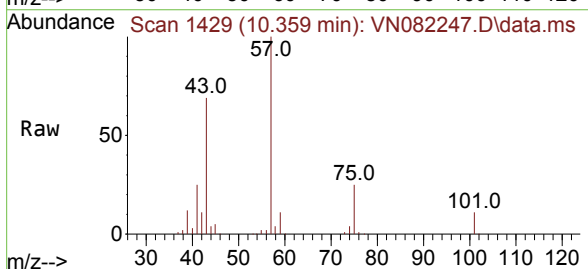
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

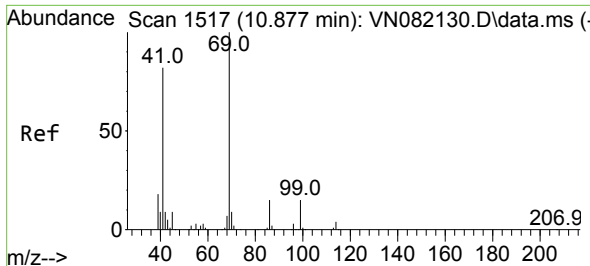
Tgt Ion: 43 Resp: 12594
Ion Ratio Lower Upper
43 100
58 18.5 33.2 49.8#



#54
cis-1,3-Dichloropropene
Concen: 14.021 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 75 Resp: 50343
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 50.0 34.8 52.2

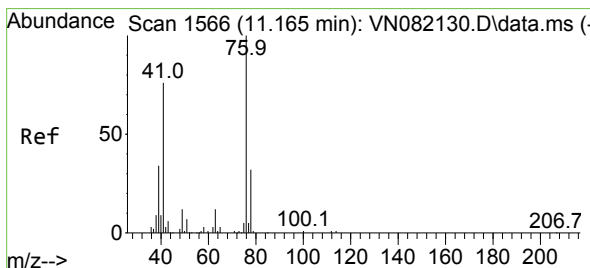
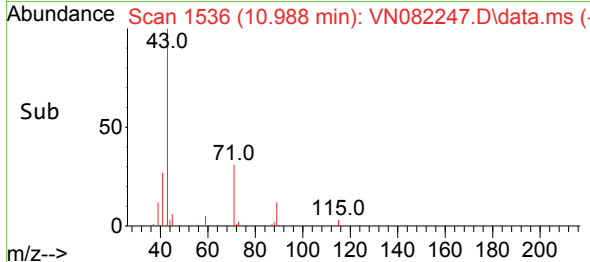
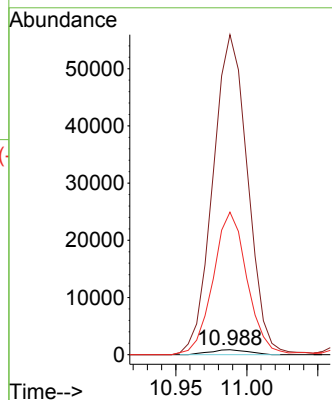
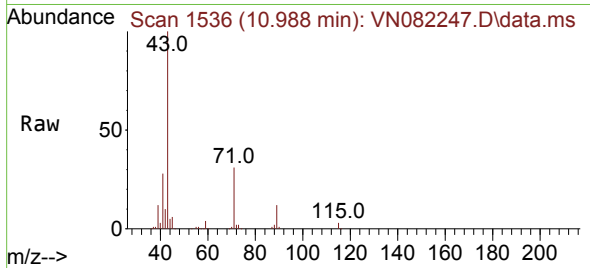




#56
Ethyl methacrylate
Concen: 0.480 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

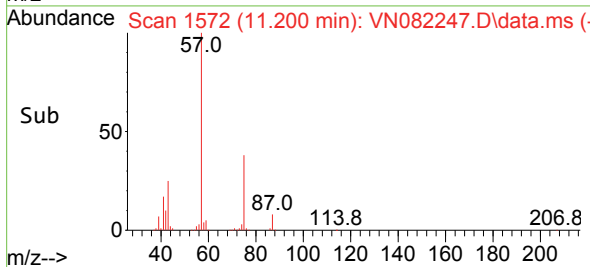
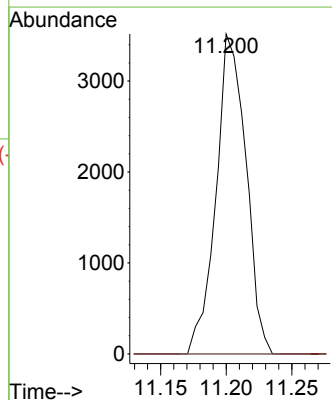
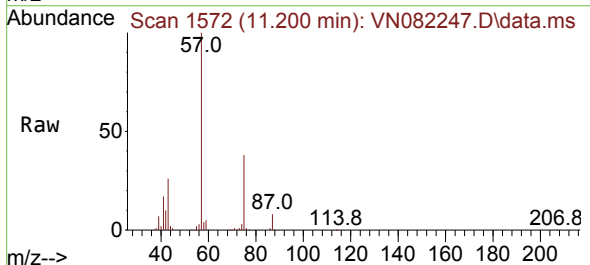
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

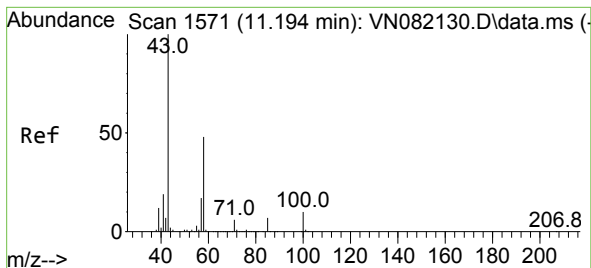
Tgt Ion: 69 Resp: 1630
Ion Ratio Lower Upper
69 100
41 5858.4 46.6 70.0#
39 2567.0 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.491 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 76 Resp: 5577
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

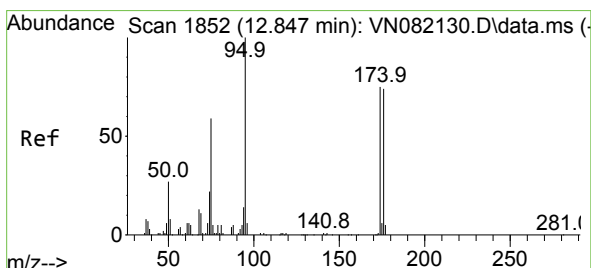
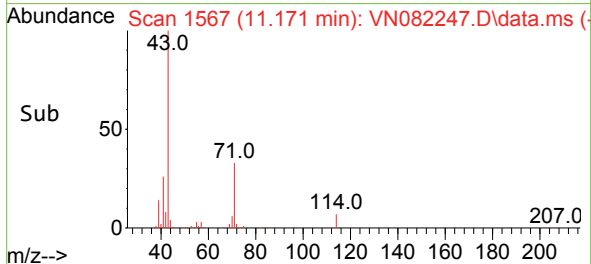
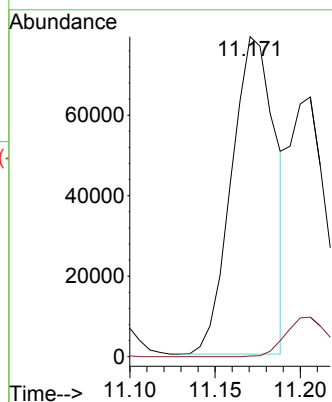
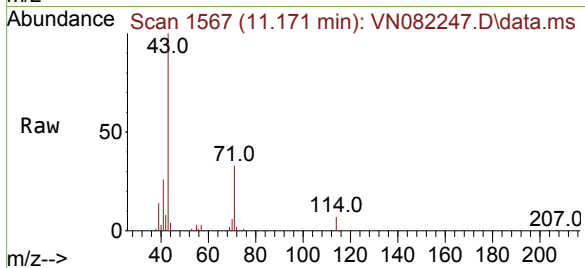




#59
2-Hexanone
Concen: 55.535 ug/l
RT: 11.171 min Scan# 11171
Delta R.T. -0.024 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

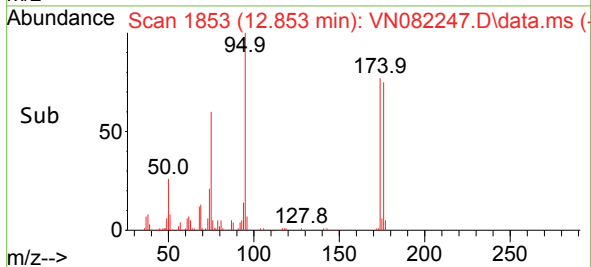
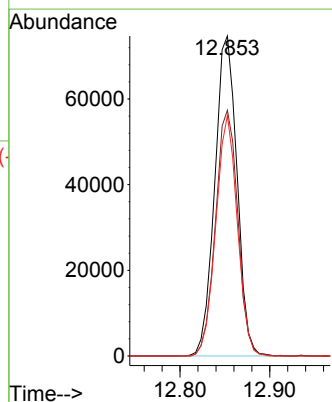
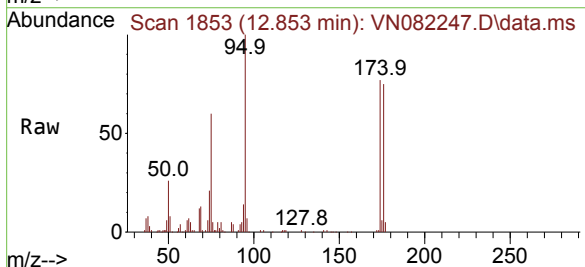
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

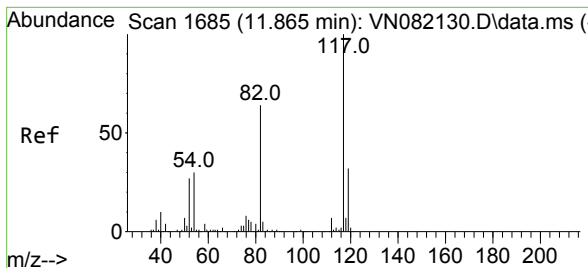
Tgt Ion: 43 Resp: 140914
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 51.155 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion: 95 Resp: 128375
Ion Ratio Lower Upper
95 100
174 77.1 0.0 160.6
176 72.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082247.D

Acq: 21 May 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :

POLE-SLEEVE-SOIL

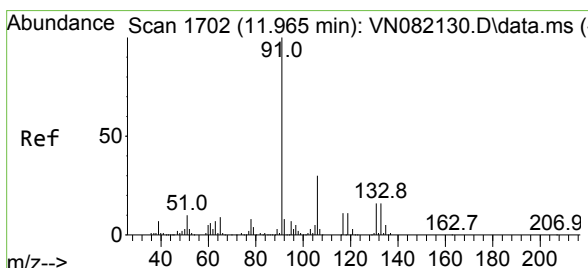
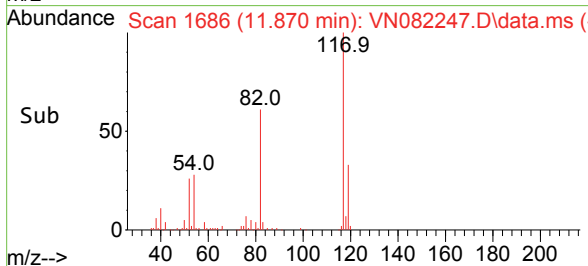
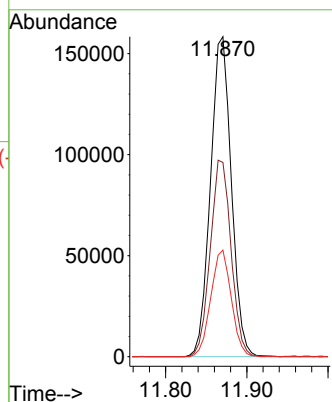
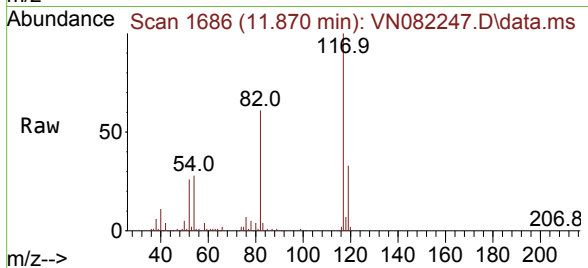
Tgt Ion:117 Resp: 283013

Ion Ratio Lower Upper

117 100

82 60.7 44.6 66.8

119 33.3 25.9 38.9



#67

Ethyl Benzene

Concen: 0.423 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN082247.D

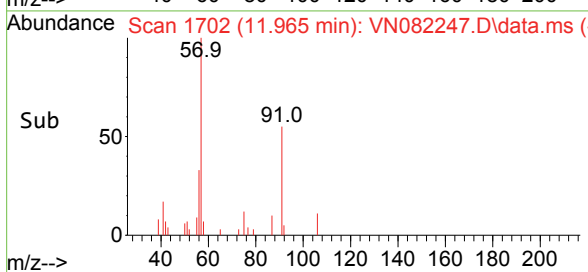
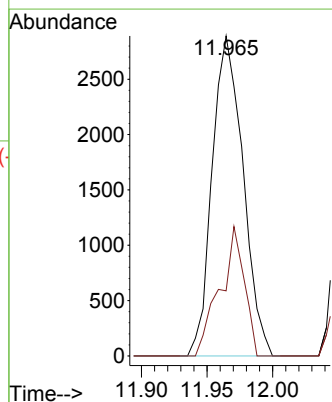
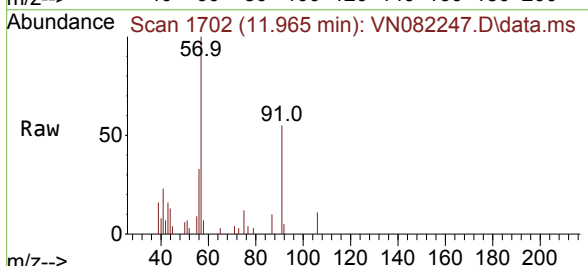
Acq: 21 May 2024 17:54

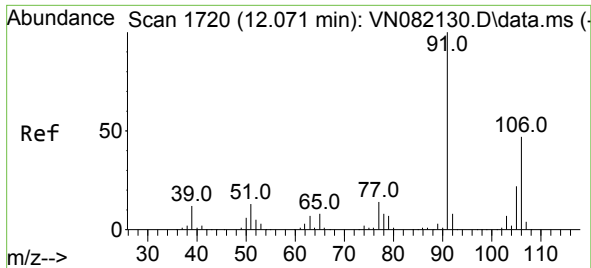
Tgt Ion: 91 Resp: 4730

Ion Ratio Lower Upper

91 100

106 20.3 25.3 37.9#

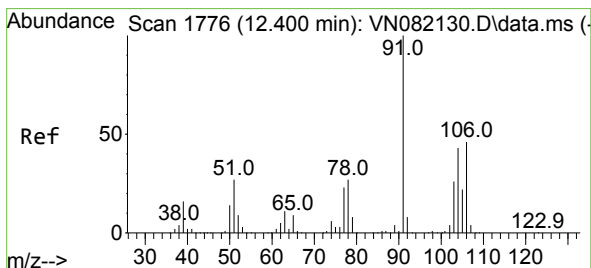
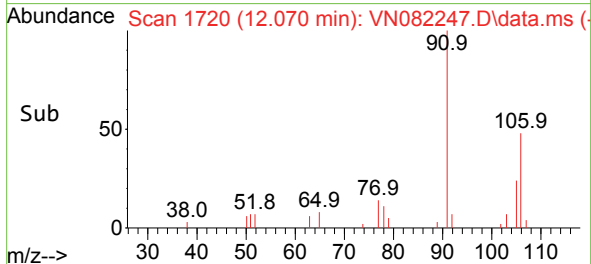
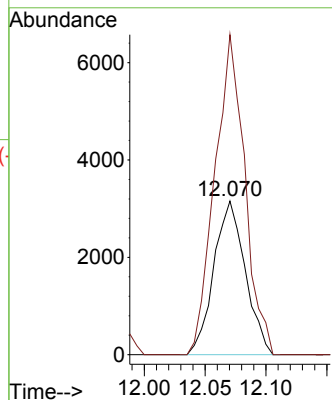
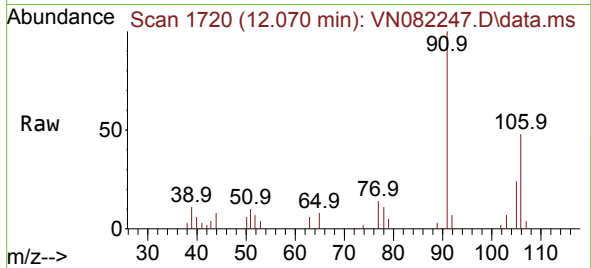




#68
m/p-Xylenes
Concen: 1.384 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

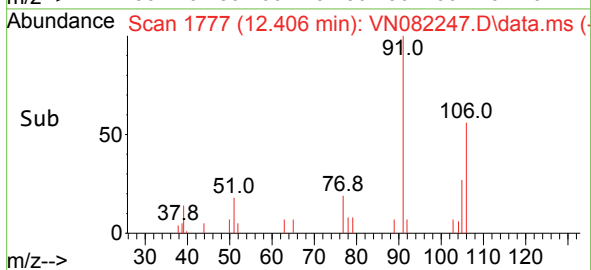
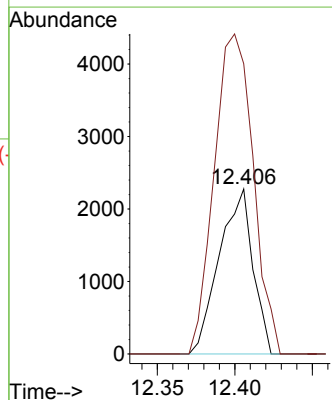
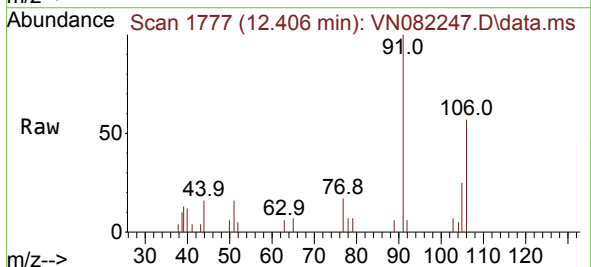
Instrument :
MSVOA_N
ClientSampleId :
POLE-SLEEVE-SOIL

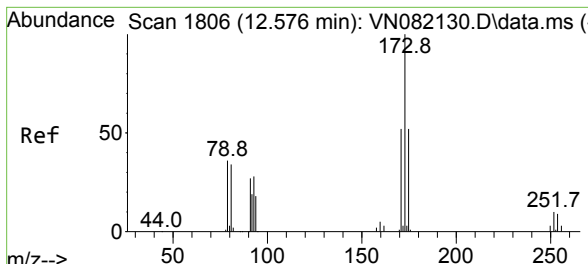
Tgt Ion:106 Resp: 5672
Ion Ratio Lower Upper
106 100
91 199.3 159.4 239.0



#69
o-Xylene
Concen: 0.863 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN082247.D
Acq: 21 May 2024 17:54

Tgt Ion:106 Resp: 3428
Ion Ratio Lower Upper
106 100
91 225.5 104.7 314.1

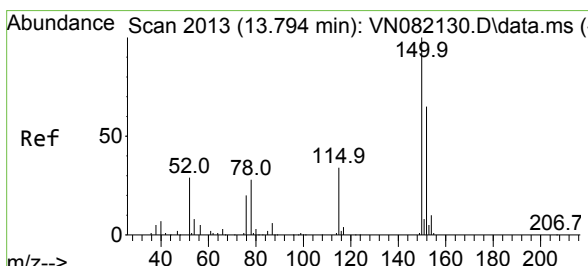
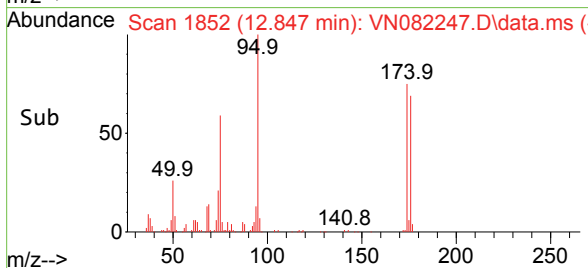
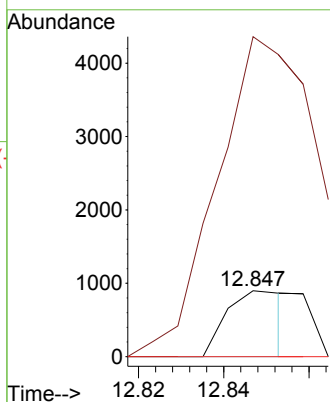
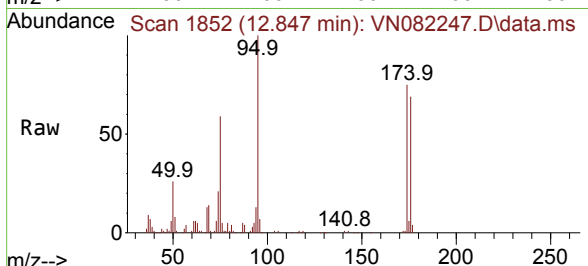




#71
 Bromoform
 Concen: 1.216 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.271 min
 Lab File: VN082247.D
 Acq: 21 May 2024 17:54

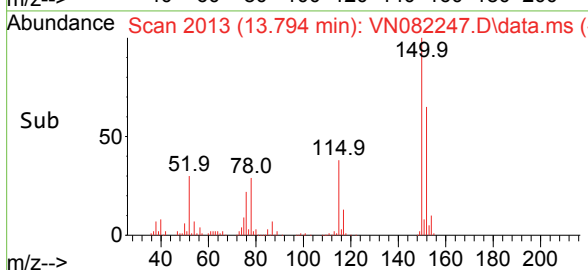
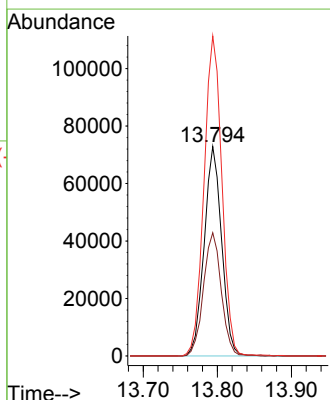
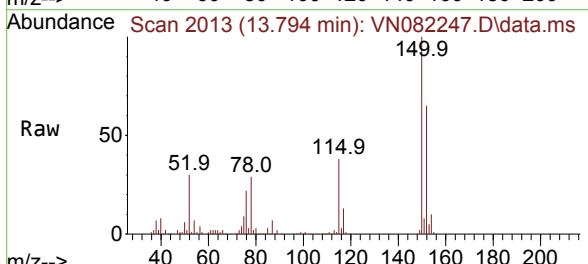
Instrument :
 MSVOA_N
 ClientSampleId :
 POLE-SLEEVE-SOIL

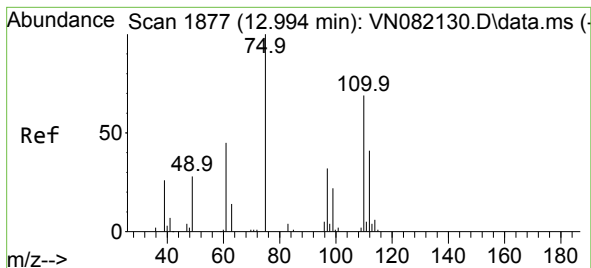
Tgt Ion	Ratio	Lower	Upper
173	100		
175	568.5	24.6	74.0#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN082247.D
 Acq: 21 May 2024 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.4	91.3
150	156.0	0.0	353.2





#76

1,2,3-Trichloropropane

Concen: 30.630 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082247.D

Acq: 21 May 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :

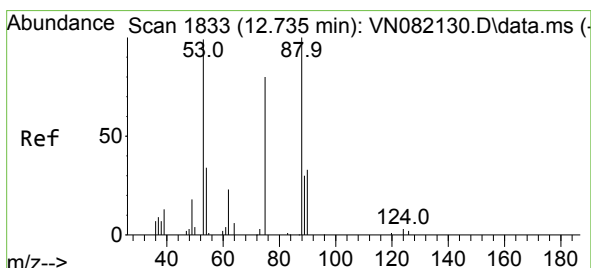
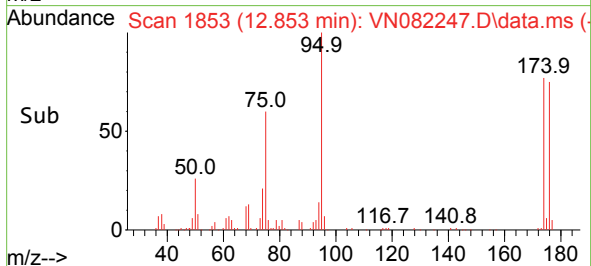
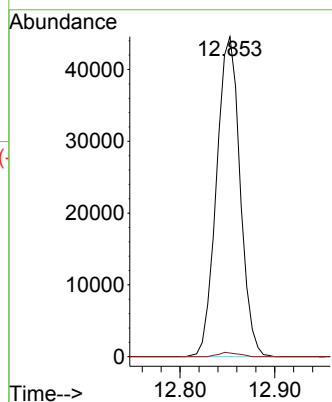
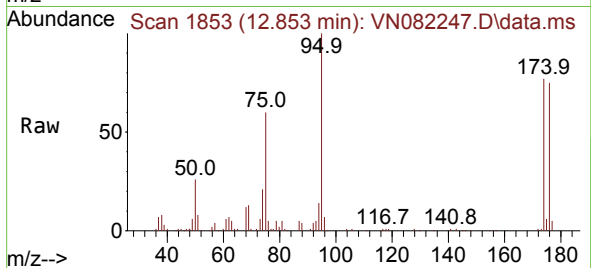
POLE-SLEEVE-SOIL

Tgt Ion: 75 Resp: 77035

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.642 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082247.D

Acq: 21 May 2024 17:54

Tgt Ion: 75 Resp: 77035

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

