

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021624\
 Data File : VN081060.D
 Acq On : 16 Feb 2024 18:06
 Operator : JC\MD
 Sample : P1519-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Feb 16 23:49:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

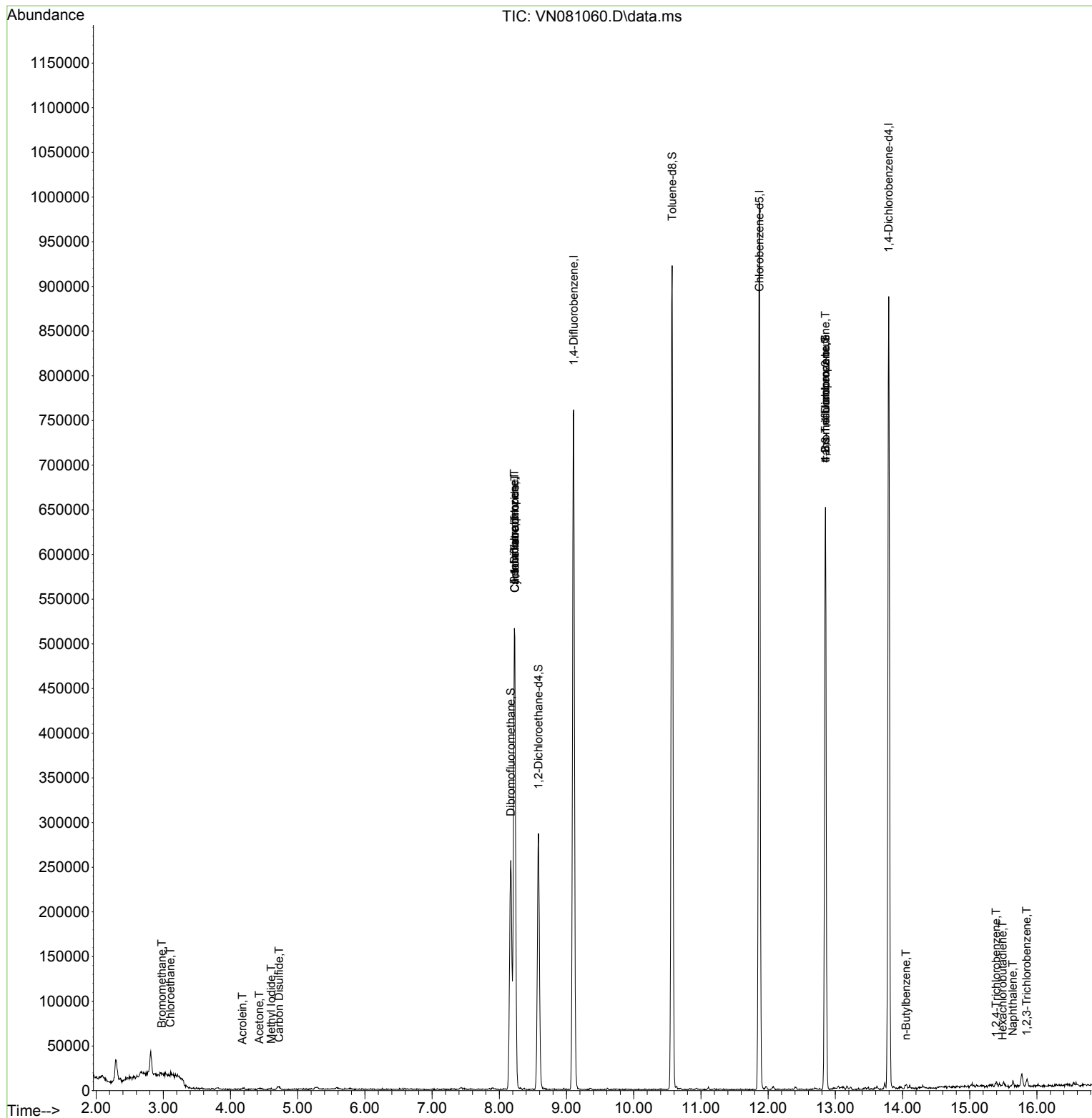
Internal Standards						
1) Pentafluorobenzene	8.224	168	360616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	673747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	573264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	220180	49.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.620%		
35) Dibromofluoromethane	8.171	113	188183	49.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.780%		
50) Toluene-d8	10.571	98	638493	47.186	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.380%		
62) 4-Bromofluorobenzene	12.853	95	235963	46.408	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.820%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	2557	Below Cal		96
5) Bromomethane	2.977	94	1007	0.274 ug/l #		79
6) Chloroethane	3.106	64	4049	0.334 ug/l #		67
10) Methyl Iodide	4.606	142	1283	0.272 ug/l #		73
13) Acrolein	4.177	56	606	1.391 ug/l #		6
16) Acetone	4.430	43	2666	1.533 ug/l #		65
17) Carbon Disulfide	4.724	76	4517	0.397 ug/l #		78
20) Methylene Chloride	5.277	84	1615	Below Cal #		83
31) Cyclohexane	8.230	56	10357	1.357 ug/l #		9
36) 1,1-Dichloropropene	8.224	75	32038	4.908 ug/l #		50
38) Carbon Tetrachloride	8.230	117	40328	6.107 ug/l #		17
49) 1,4-Dioxane	9.700	88	336	Below Cal #		30
76) 1,2,3-Trichloropropane	12.853	75	122102	22.929 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	122102	59.018 ug/l #		14
89) n-Butylbenzene	14.053	91	3054	0.211 ug/l		77
93) 1,2,4-Trichlorobenzene	15.394	180	1188	0.256 ug/l #		56
94) Hexachlorobutadiene	15.488	225	791	0.456 ug/l		84
95) Naphthalene	15.641	128	4196	0.246 ug/l		97
96) 1,2,3-Trichlorobenzene	15.847	180	1246	0.270 ug/l		85

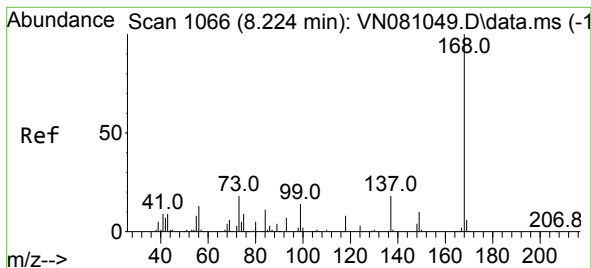
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081060.D

Acq: 16 Feb 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

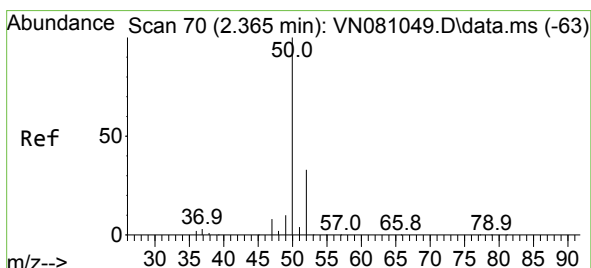
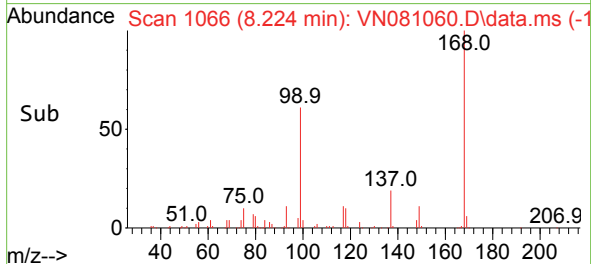
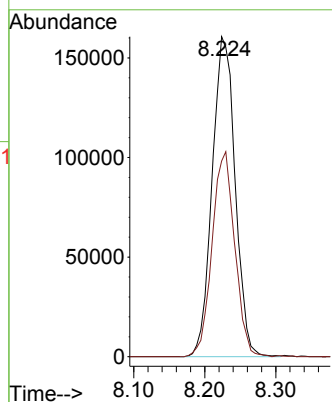
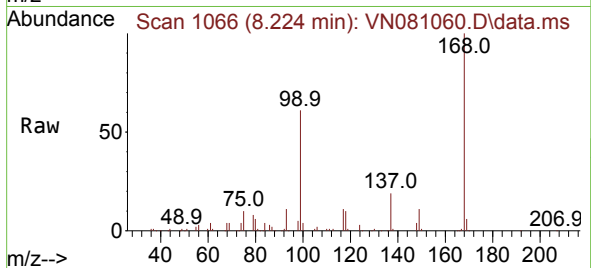
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 360616

Ion Ratio Lower Upper

168 100

99 61.2 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081060.D

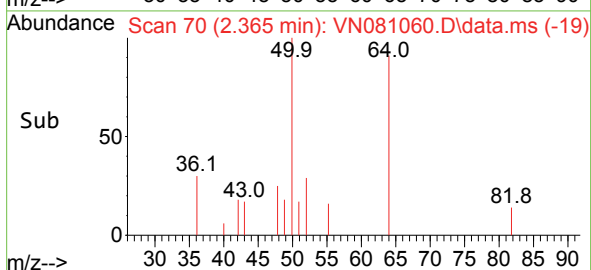
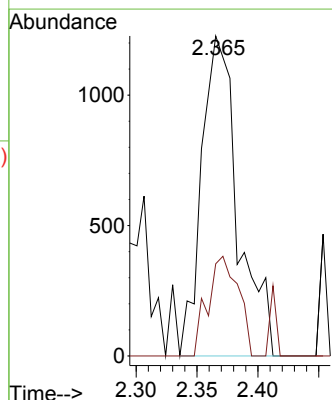
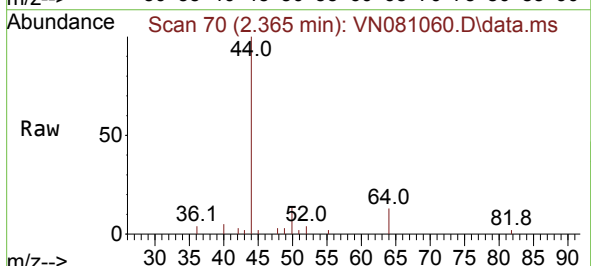
Acq: 16 Feb 2024 18:06

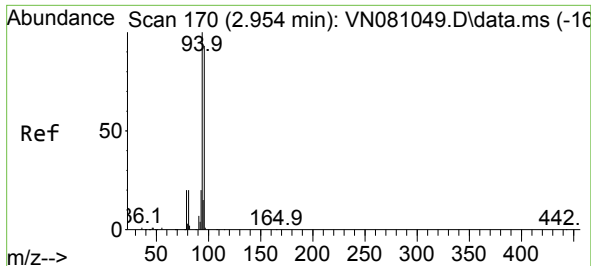
Tgt Ion: 50 Resp: 2557

Ion Ratio Lower Upper

50 100

52 28.8 25.0 37.4

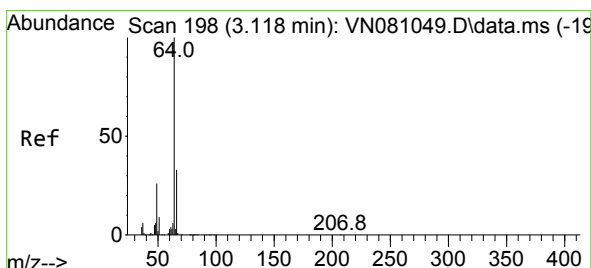
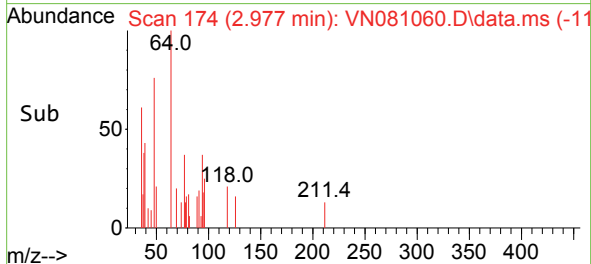
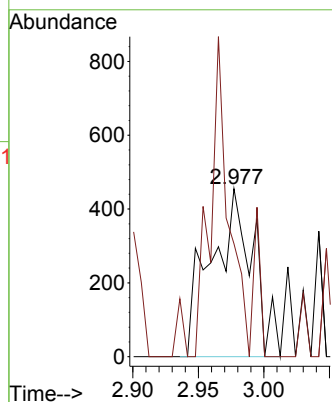
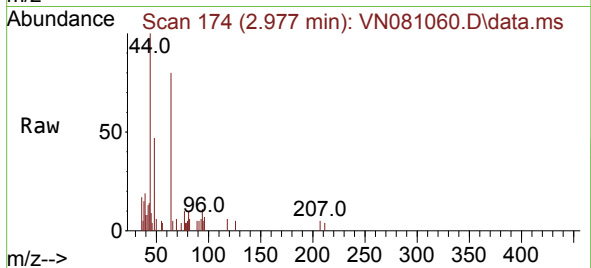




#5
Bromomethane
Concen: 0.274 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

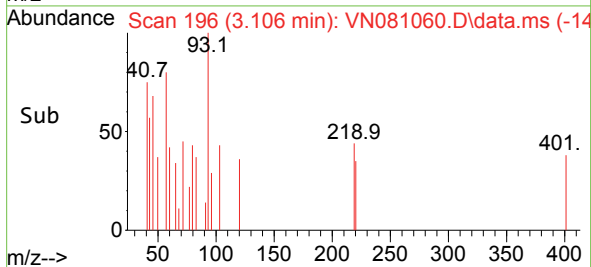
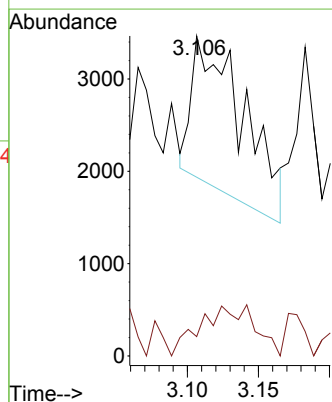
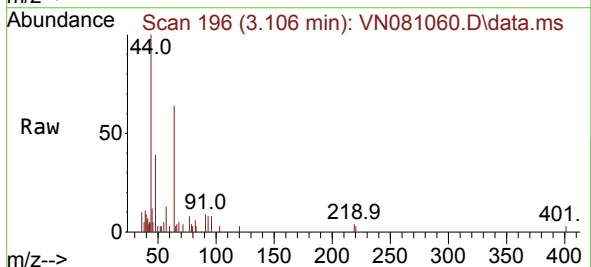
Instrument :
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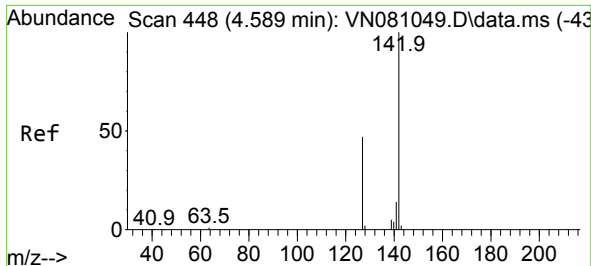
Tgt Ion: 94 Resp: 1007
Ion Ratio Lower Upper
94 100
96 67.3 69.2 103.8#



#6
Chloroethane
Concen: 0.334 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion: 64 Resp: 4049
Ion Ratio Lower Upper
64 100
66 14.6 26.4 39.6#

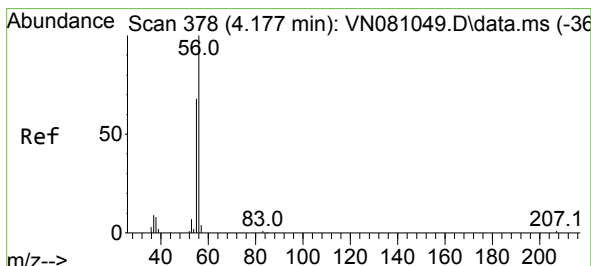
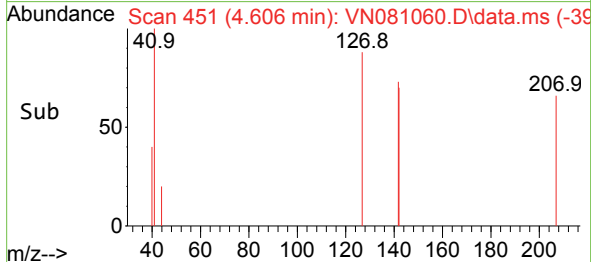
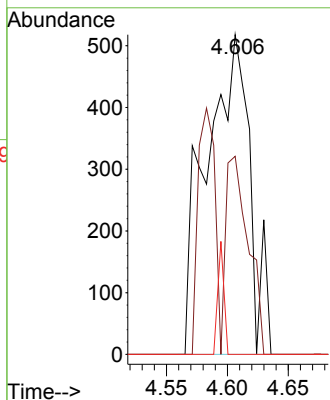
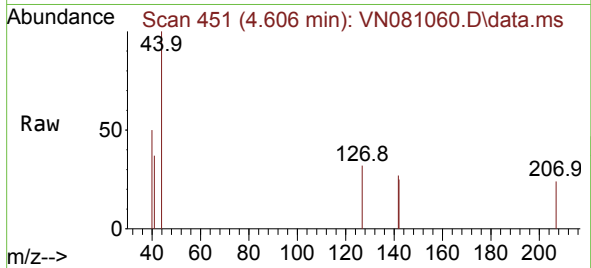




#10
Methyl Iodide
Concen: 0.272 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

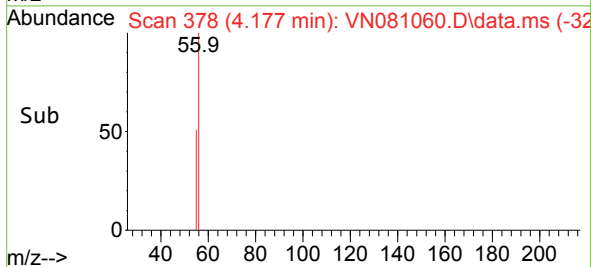
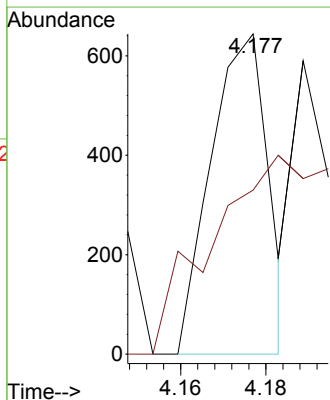
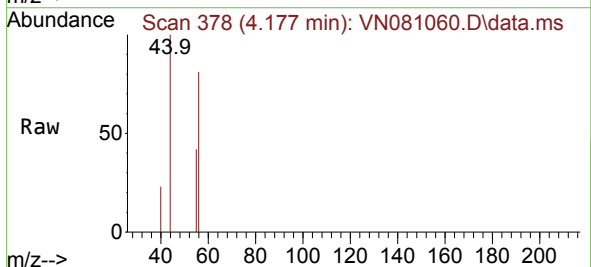
Instrument :
MSVOA_N
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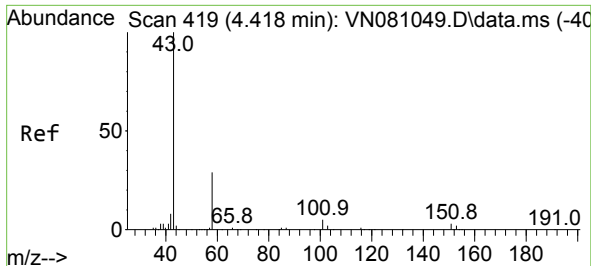
Tgt Ion:142 Resp: 1283
Ion Ratio Lower Upper
142 100
127 62.0 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 1.391 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion: 56 Resp: 606
Ion Ratio Lower Upper
56 100
55 145.7 55.3 82.9#

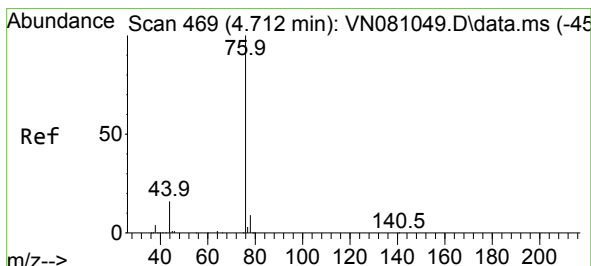
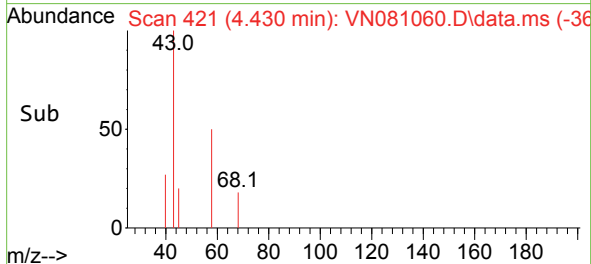
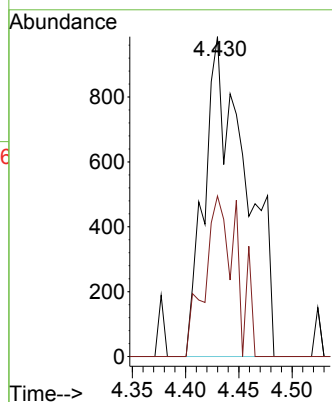
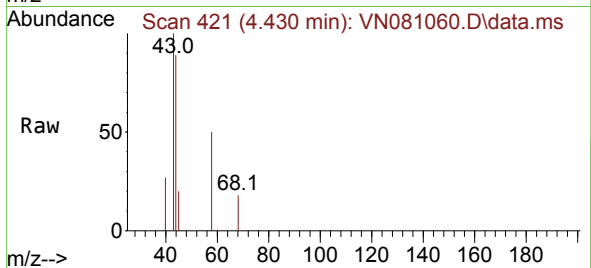




#16
Acetone
Concen: 1.533 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

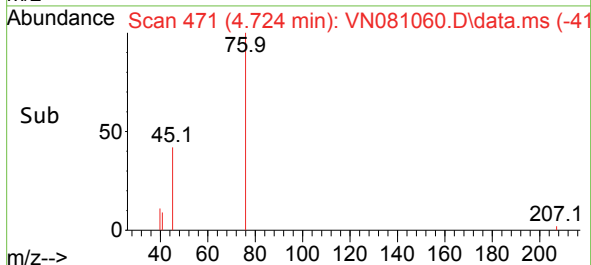
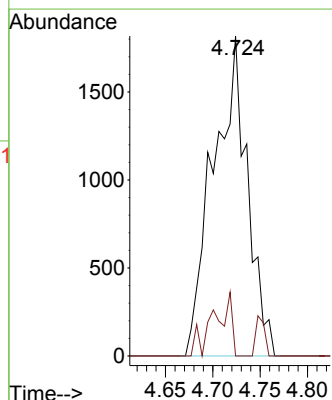
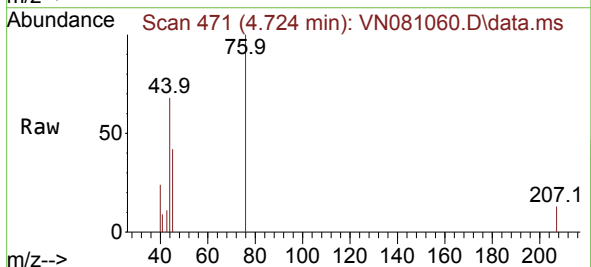
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

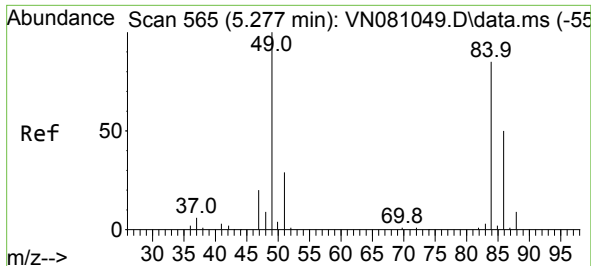
Tgt Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
58 50.2 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.397 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion: 76 Resp: 4517
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

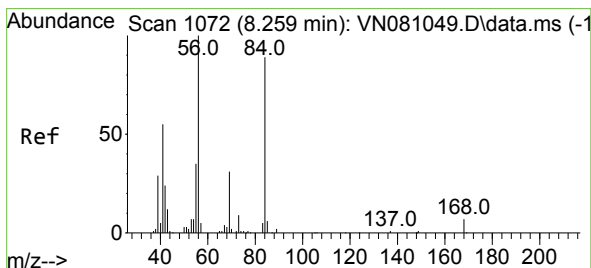
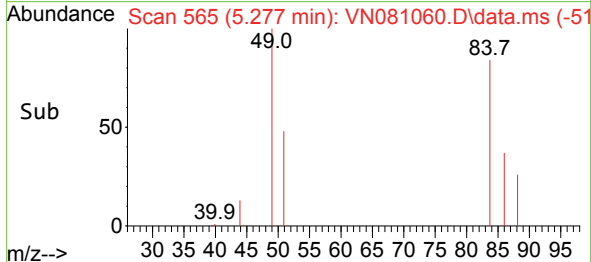
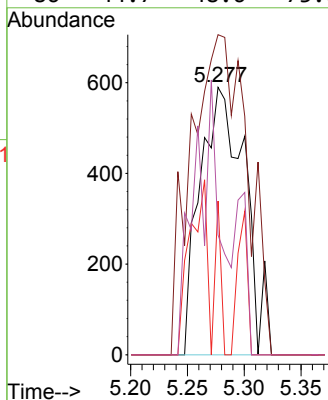
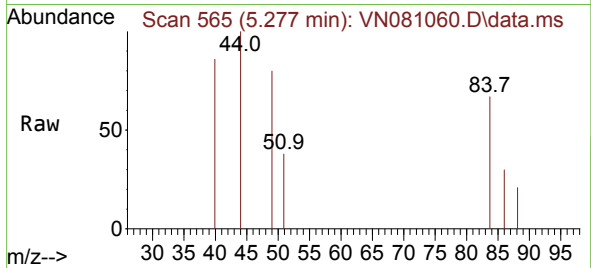




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

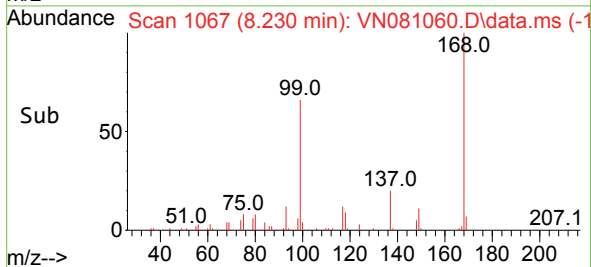
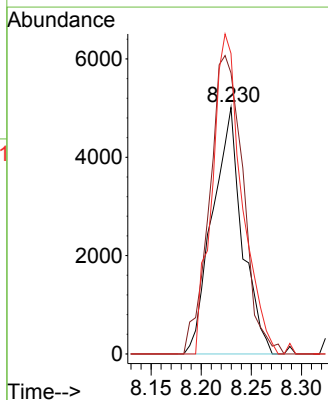
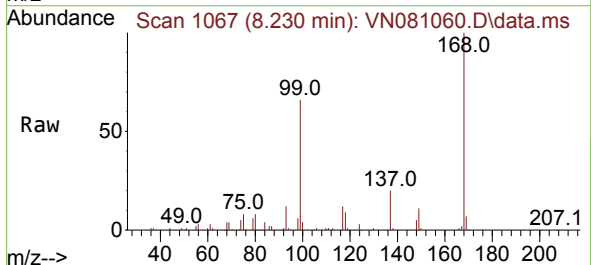
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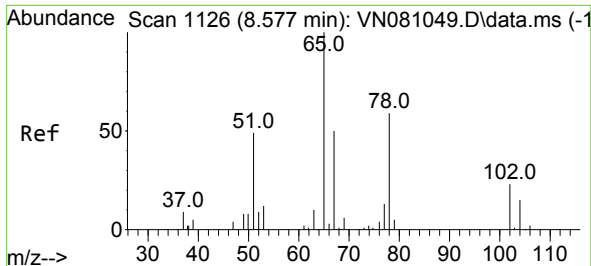
Tgt Ion:	84	Resp:	1615
Ion	Ratio	Lower	Upper
84	100		
49	119.7	108.1	162.1
51	57.5	32.9	49.3#
86	44.7	48.6	73.0#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion:	56	Resp:	10357
Ion	Ratio	Lower	Upper
56	100		
69	113.9	20.1	30.1#
84	121.9	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.813 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081060.D

Acq: 16 Feb 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

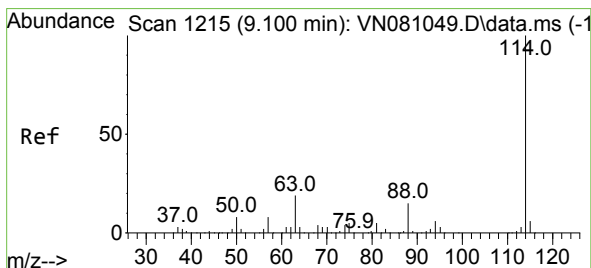
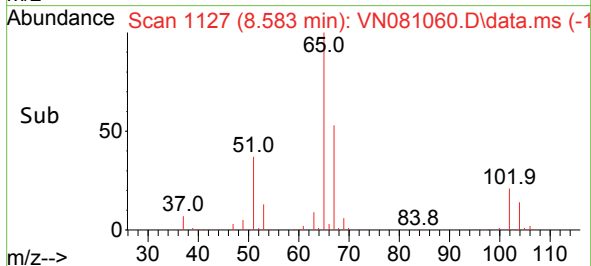
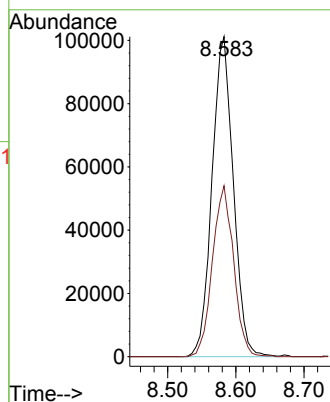
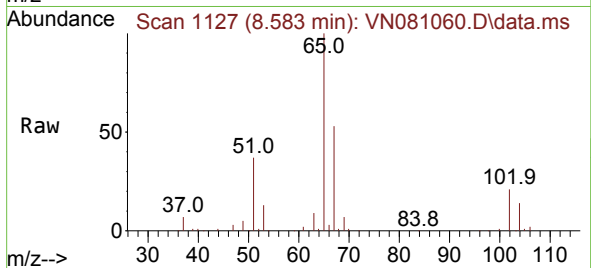
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 220180

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081060.D

Acq: 16 Feb 2024 18:06

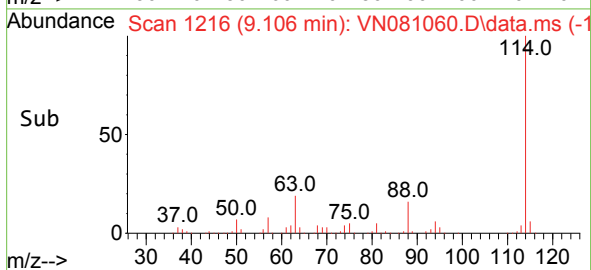
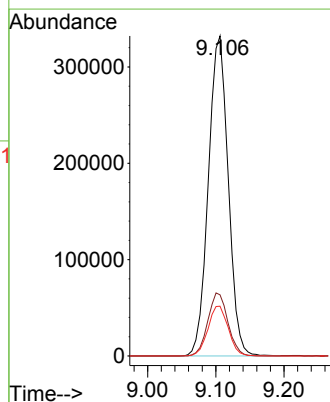
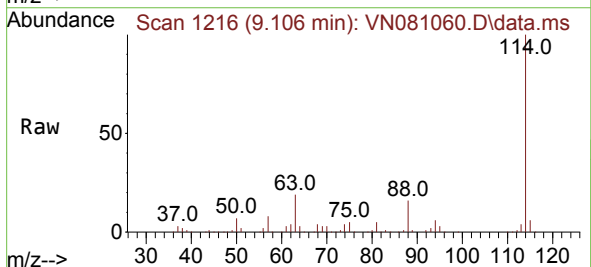
Tgt Ion: 114 Resp: 673747

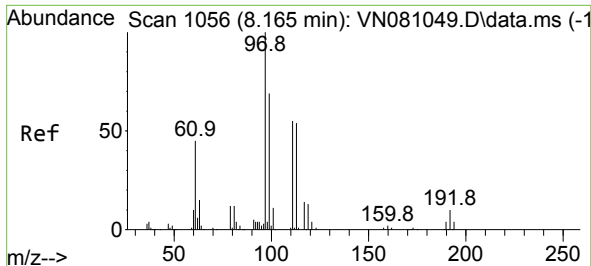
Ion Ratio Lower Upper

114 100

63 19.1 0.0 48.0

88 15.5 0.0 34.8

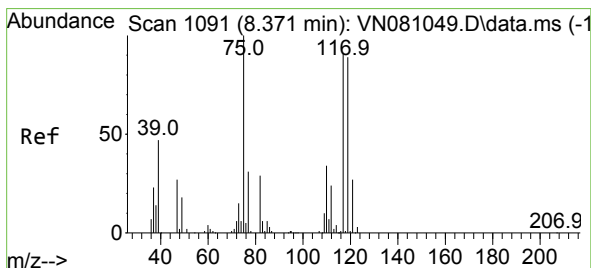
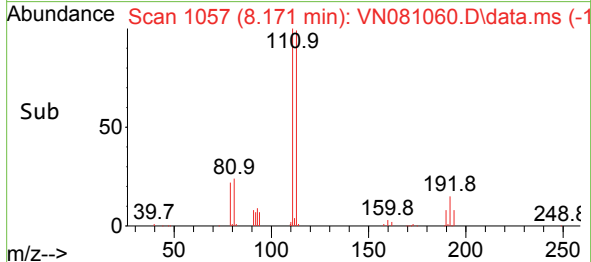
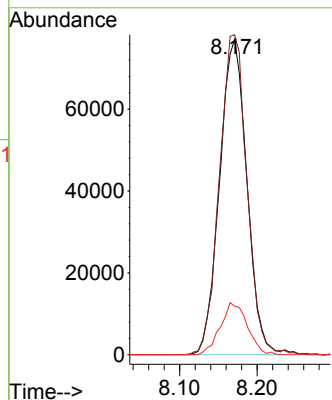
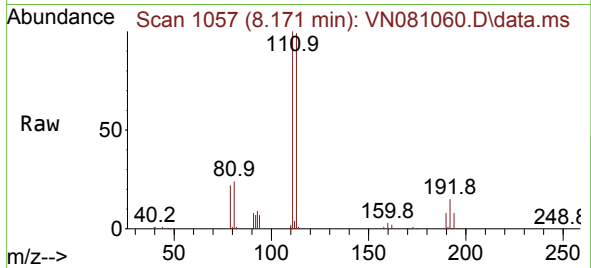




#35
Dibromofluoromethane
Concen: 49.394 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

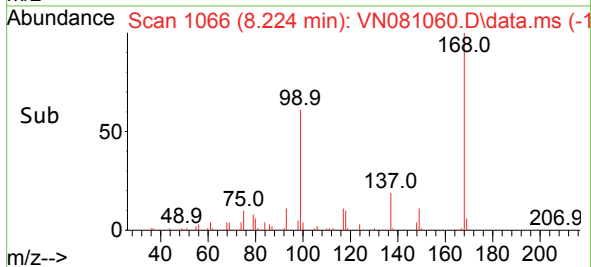
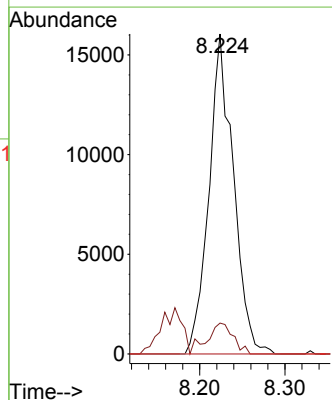
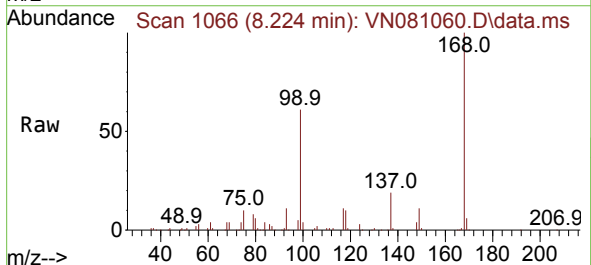
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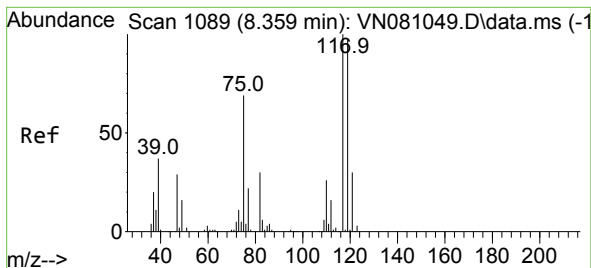
Tgt Ion:113 Resp: 188183
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 16.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.908 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion: 75 Resp: 32038
Ion Ratio Lower Upper
75 100
110 8.9 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 8.230 min Scan# 117

Delta R.T. -0.129 min

Lab File: VN081060.D

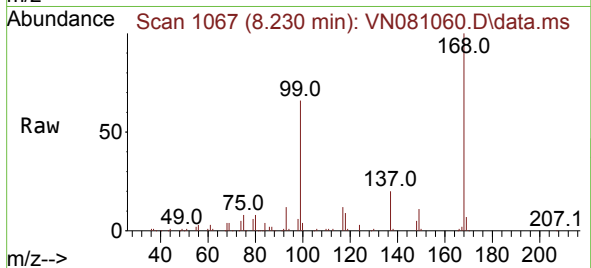
Acq: 16 Feb 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

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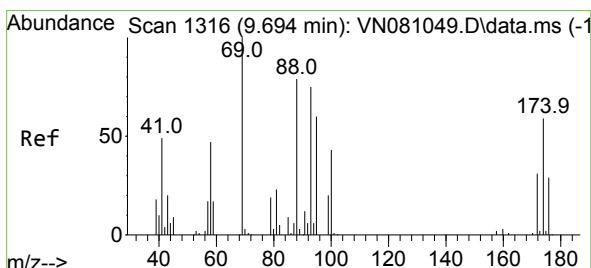
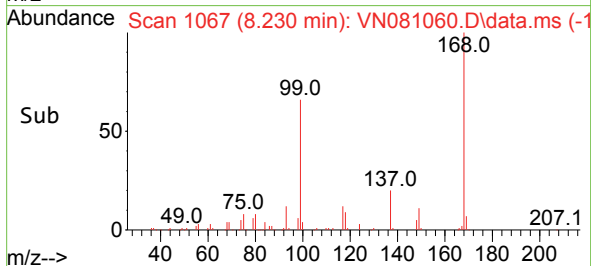
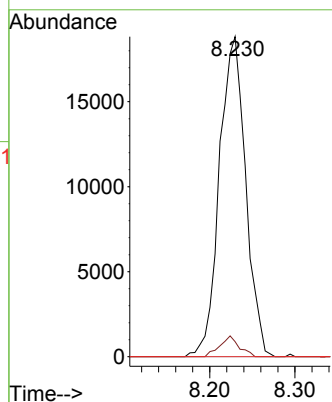
Tgt Ion:117 Resp: 40328

Ion Ratio Lower Upper

117 100

119 4.7 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN081060.D

Acq: 16 Feb 2024 18:06

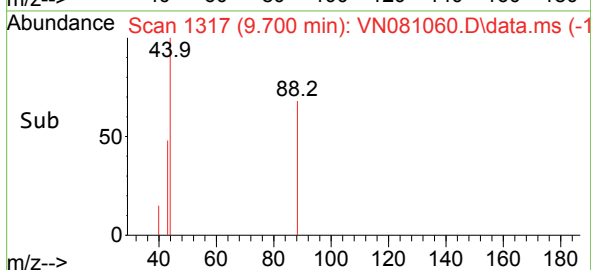
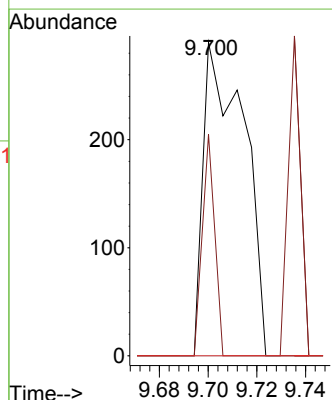
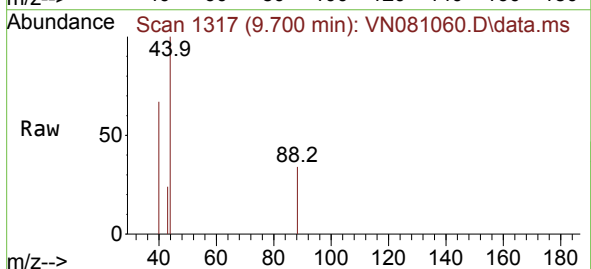
Tgt Ion: 88 Resp: 336

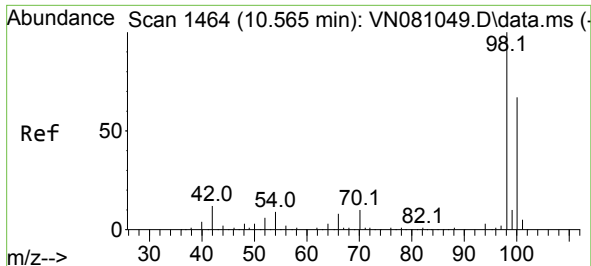
Ion Ratio Lower Upper

88 100

43 21.4 30.1 45.1#

58 0.0 63.9 95.9#

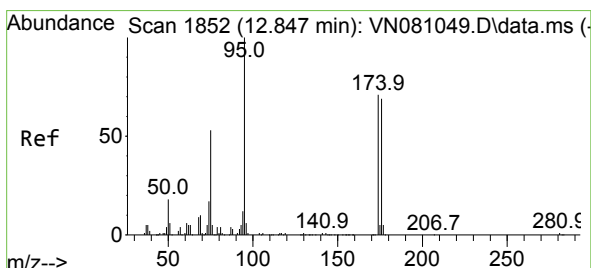
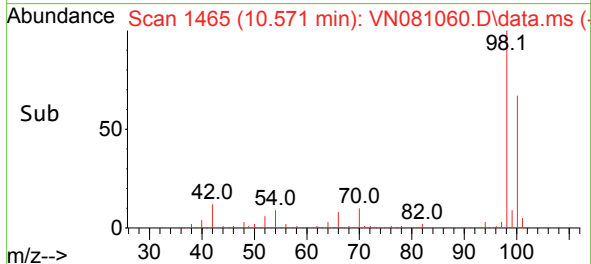
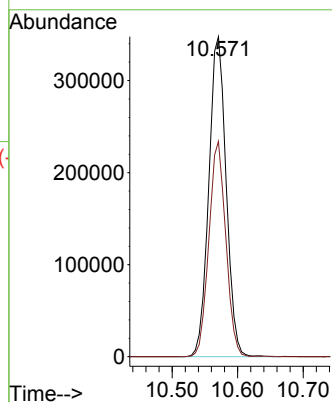
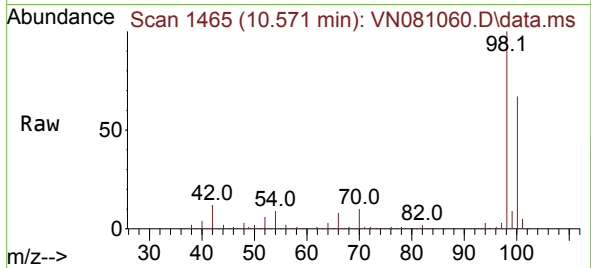




#50
Toluene-d8
Concen: 47.186 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

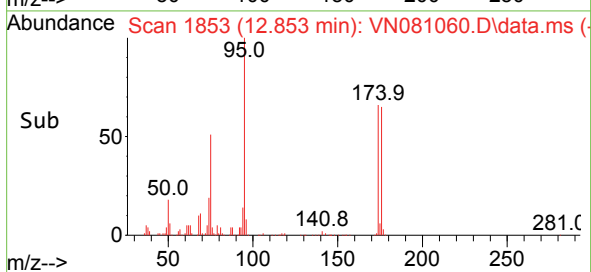
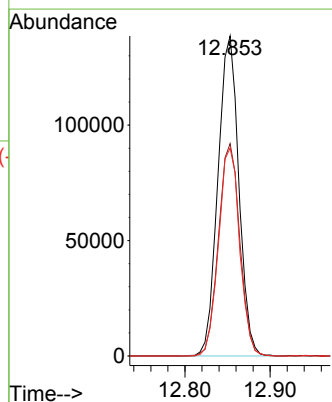
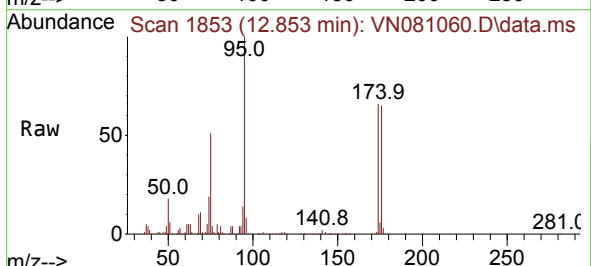
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

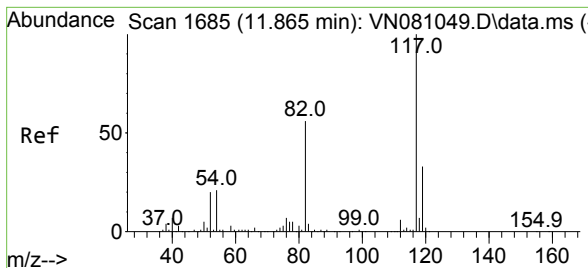
Tgt Ion: 98 Resp: 638493
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 46.408 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion: 95 Resp: 235963
Ion Ratio Lower Upper
95 100
174 67.7 0.0 120.4
176 65.5 0.0 121.0

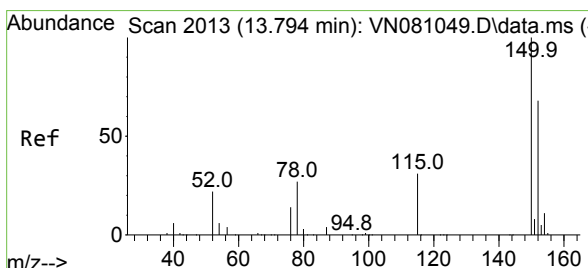
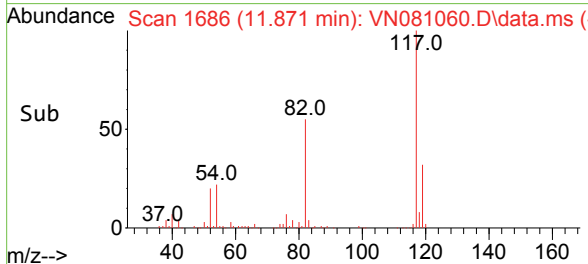
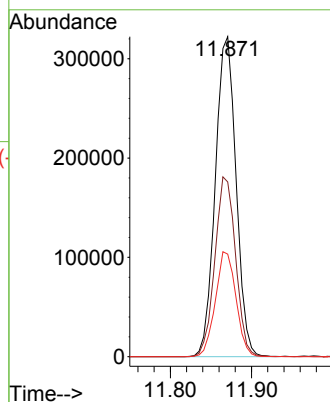
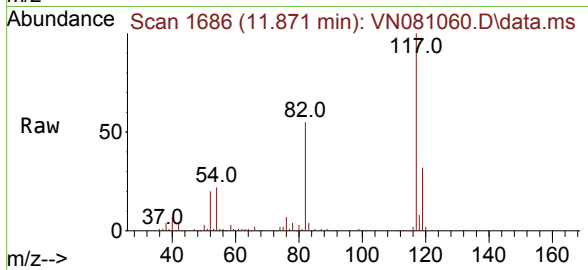




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

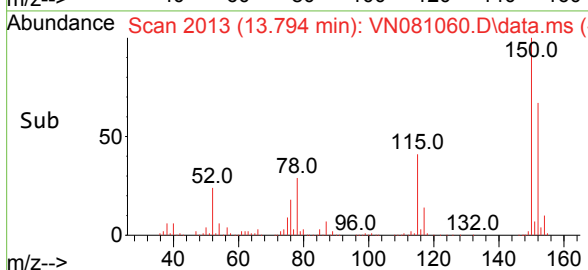
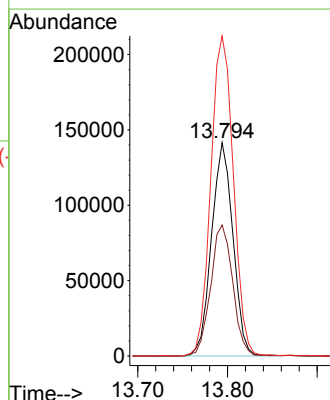
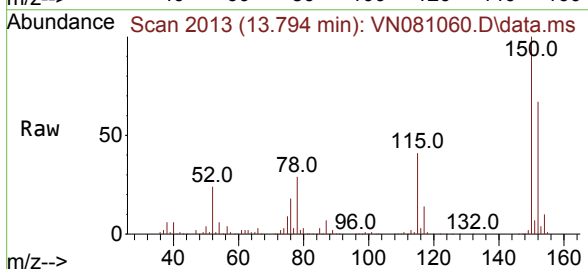
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

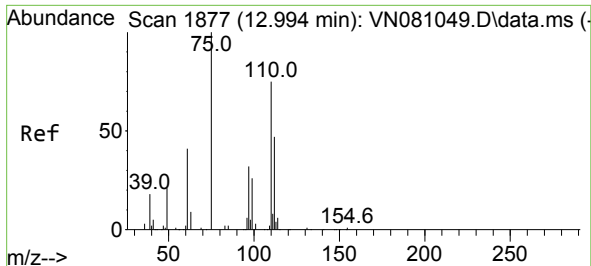
Tgt Ion:117 Resp: 573264
Ion Ratio Lower Upper
117 100
82 54.6 52.7 79.1
119 32.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion:152 Resp: 234374
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 157.9 0.0 339.8

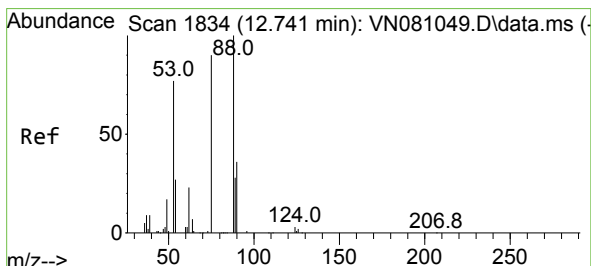
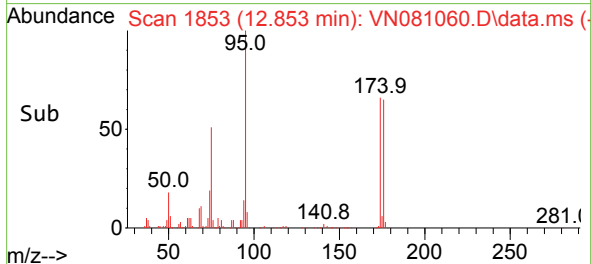
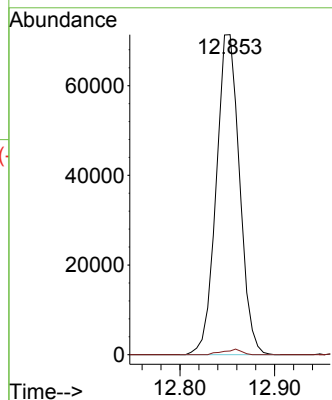
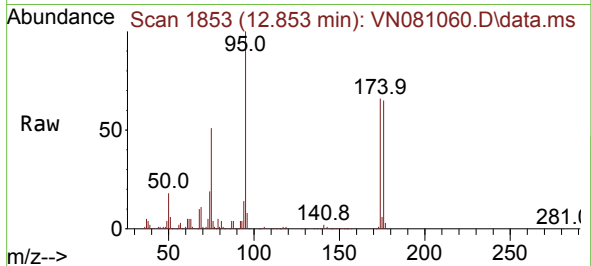




#76
1,2,3-Trichloropropane
Concen: 22.929 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

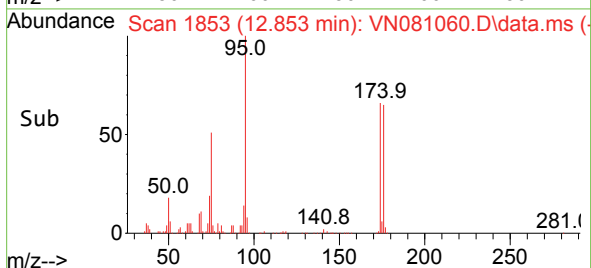
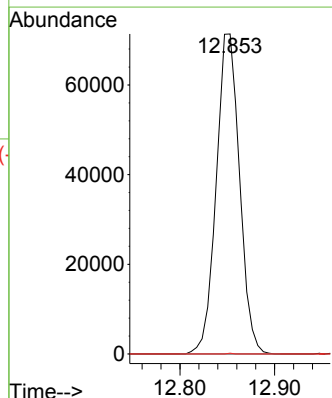
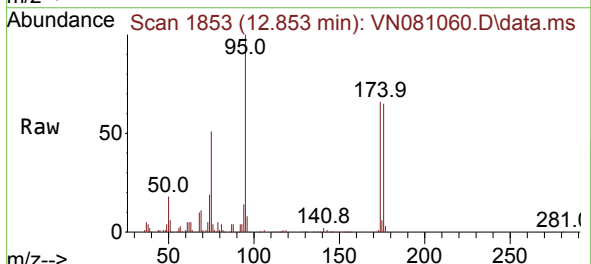
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

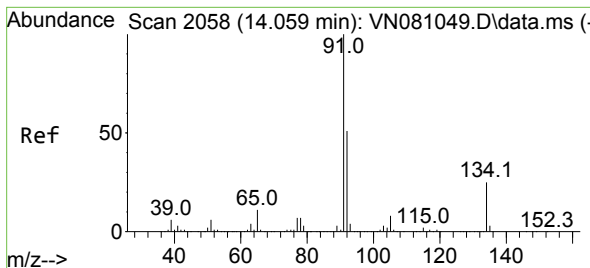
Tgt Ion: 75 Resp: 122102
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.018 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

Tgt Ion: 75 Resp: 122102
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#





#89

n-Butylbenzene

Concen: 0.211 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN081060.D

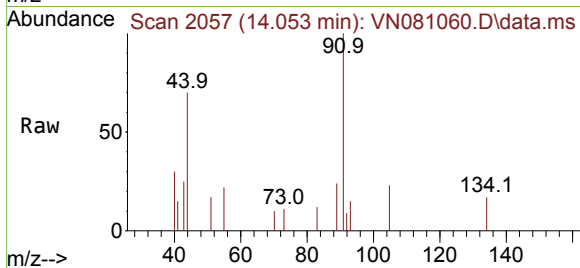
Acq: 16 Feb 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



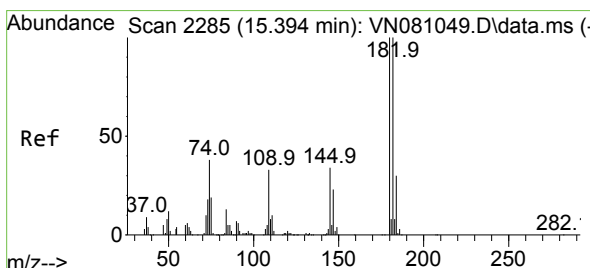
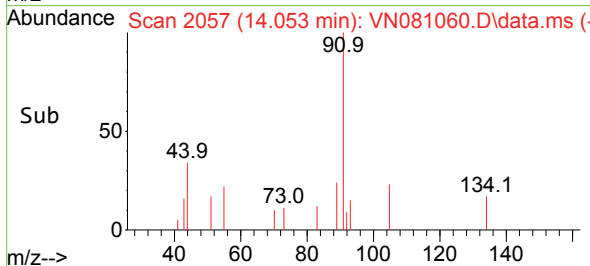
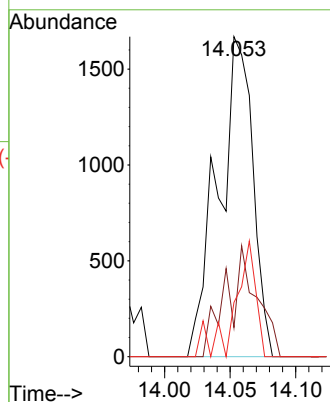
Tgt Ion: 91 Resp: 3054

Ion Ratio Lower Upper

91 100

92 31.1 26.7 80.1

134 20.0 10.8 32.4



#93

1,2,4-Trichlorobenzene

Concen: 0.256 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN081060.D

Acq: 16 Feb 2024 18:06

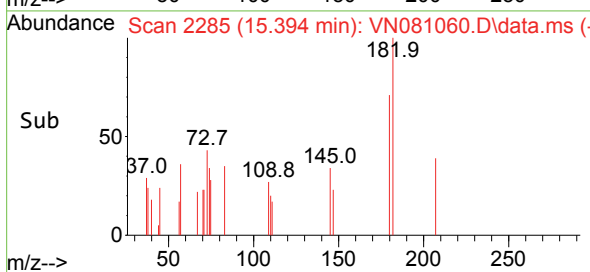
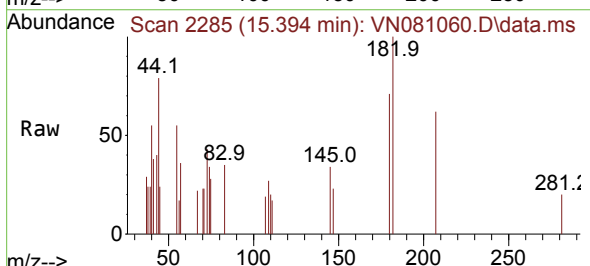
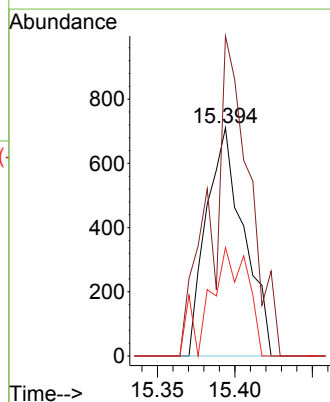
Tgt Ion:180 Resp: 1188

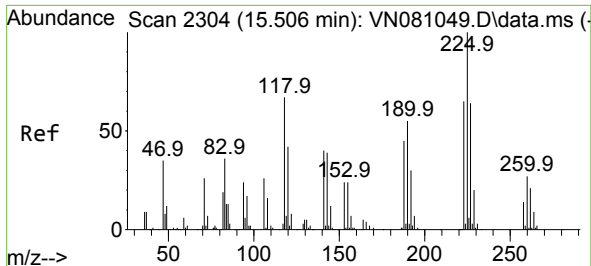
Ion Ratio Lower Upper

180 100

182 141.0 46.6 139.7#

145 49.1 16.8 50.3

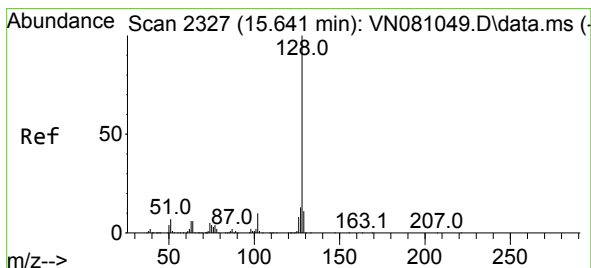
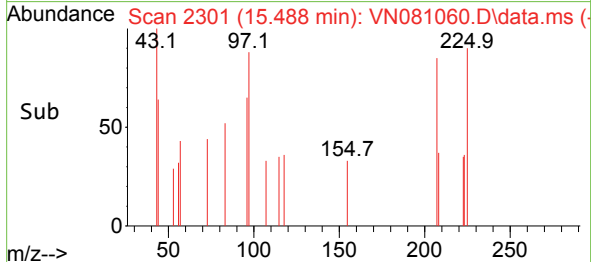
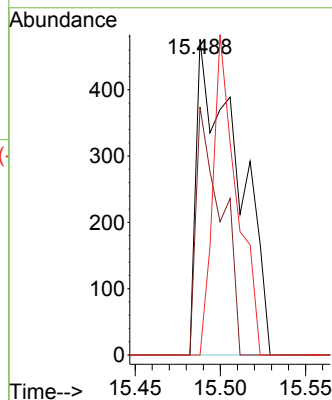
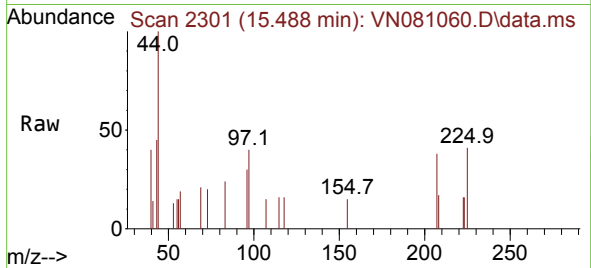




#94
Hexachlorobutadiene
Concen: 0.456 ug/l
RT: 15.488 min Scan# 2301
Delta R.T. -0.018 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

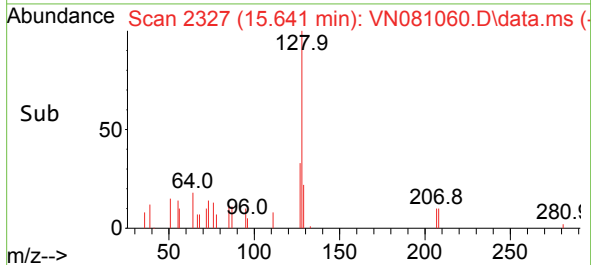
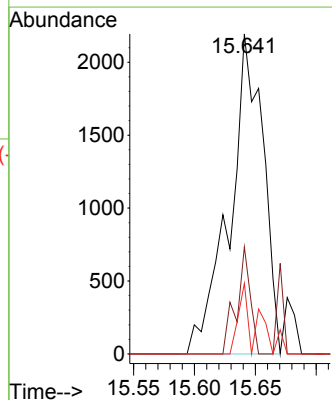
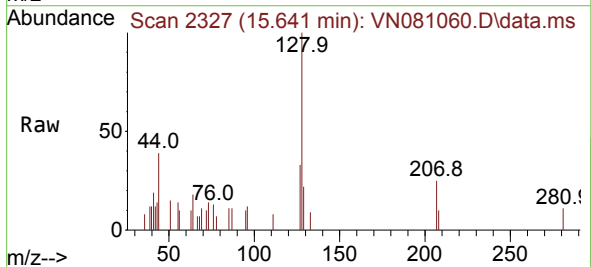
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

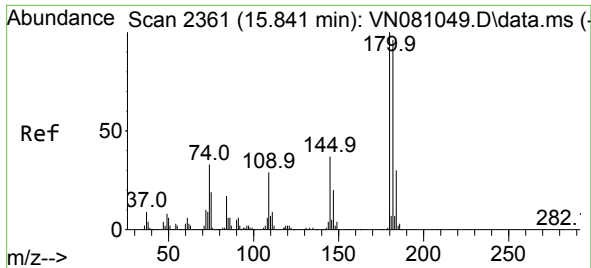
Tgt Ion:225	Resp:	791
Ion	Ratio	Lower Upper
225	100	
223	48.5	33.3 99.8
227	58.8	33.1 99.2



#95
Naphthalene
Concen: 0.246 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081060.D
Acq: 16 Feb 2024 18:06

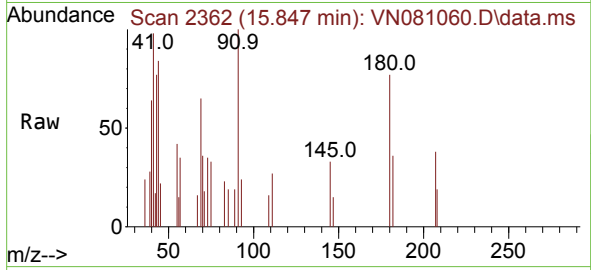
Tgt Ion:128	Resp:	4196
Ion	Ratio	Lower Upper
128	100	
127	13.8	10.0 15.0
129	11.7	8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.270 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081060.D
 Acq: 16 Feb 2024 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6



Tgt Ion:	180	Resp:	1246
Ion Ratio	Lower	Upper	
180	100		
182	76.6	46.5	139.3
145	42.0	17.8	53.4

