

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020224\
 Data File : VN080877.D
 Acq On : 02 Feb 2024 16:39
 Operator : JC\MD
 Sample : P1363-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 02 23:52:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	78406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	186738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	194133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76599	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	65293	48.137	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.280%
35) Dibromofluoromethane	8.165	113	51490	45.069	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.140%
50) Toluene-d8	10.571	98	211792	47.364	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.720%
62) 4-Bromofluorobenzene	12.853	95	81738	52.456	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.920%

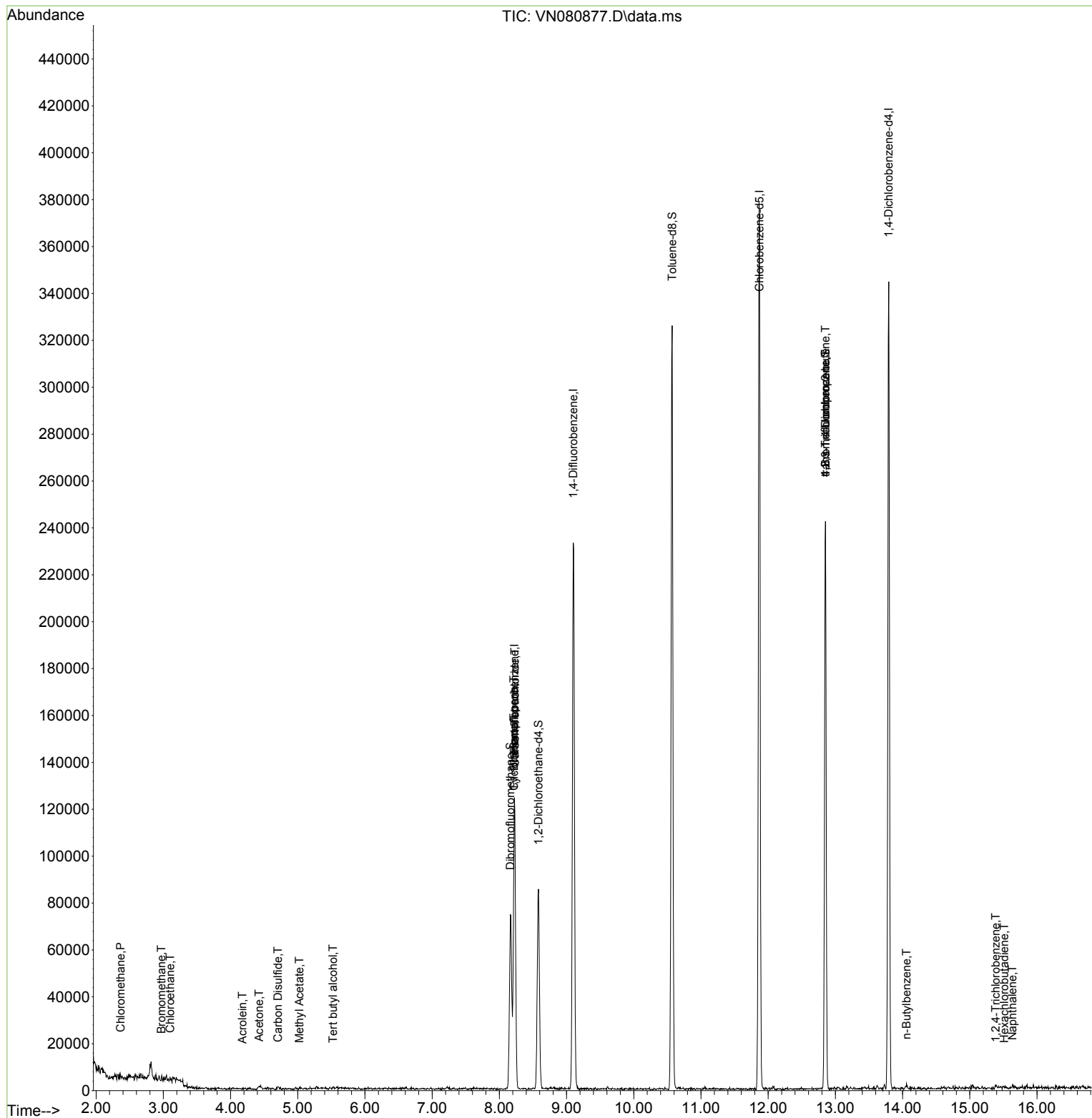
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1411	0.806	ug/l #	54
5) Bromomethane	2.971	94	187	0.351	ug/l	94
6) Chloroethane	3.100	64	187	0.264	ug/l #	42
11) Tert butyl alcohol	5.524	59	55	0.249	ug/l #	72
13) Acrolein	4.177	56	163	0.585	ug/l #	57
16) Acetone	4.424	43	930	1.891	ug/l	99
17) Carbon Disulfide	4.706	76	1188	0.347	ug/l #	78
18) Methyl Acetate	5.024	43	462	0.269	ug/l #	54
31) Cyclohexane	8.218	56	3086	1.327	ug/l #	12
36) 1,1-Dichloropropene	8.218	75	9432	4.442	ug/l #	49
38) Carbon Tetrachloride	8.229	117	10217	5.972	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	48562	21.020	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	48562	54.152	ug/l #	14
89) n-Butylbenzene	14.059	91	1337	0.267	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	427	0.338	ug/l #	78
94) Hexachlorobutadiene	15.511	225	218	0.395	ug/l #	55
95) Naphthalene	15.635	128	1667	0.345	ug/l #	81

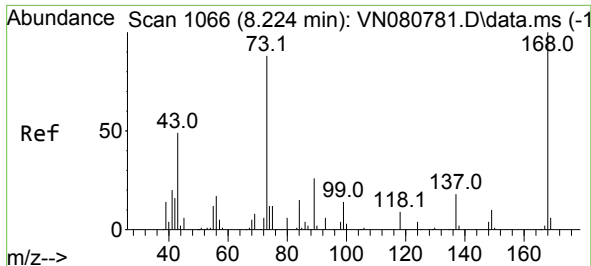
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

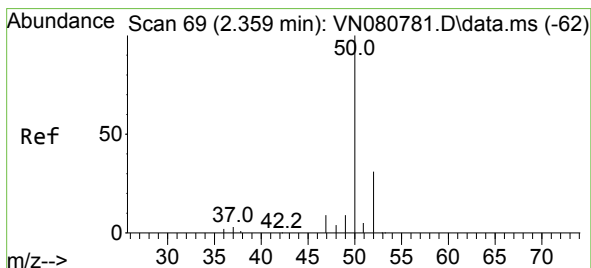
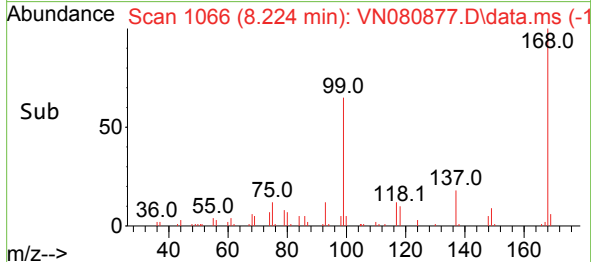
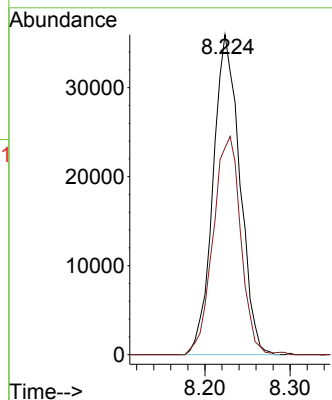
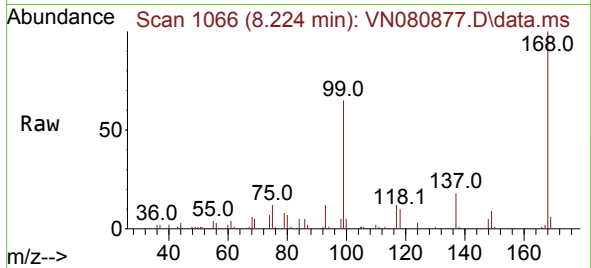




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

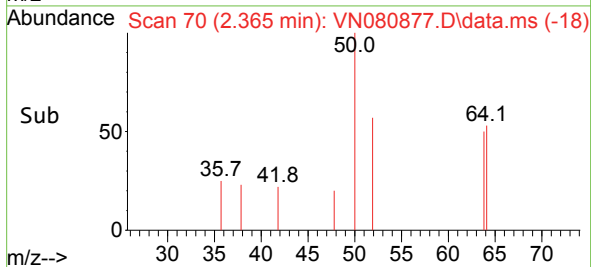
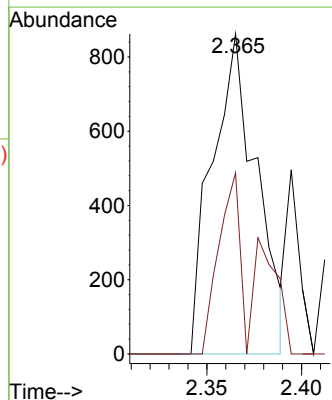
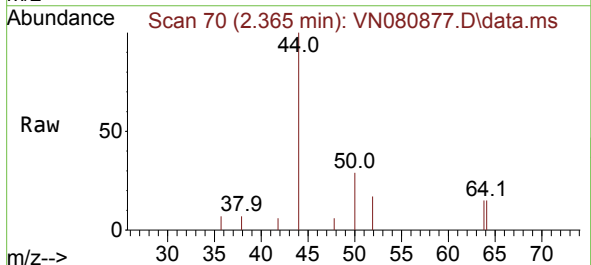
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

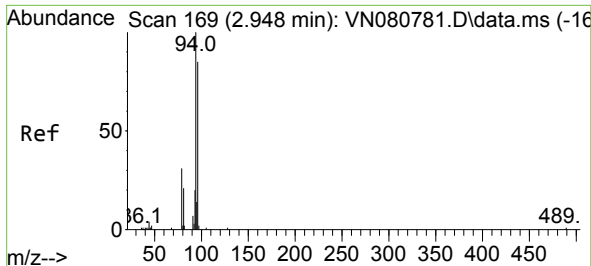
Tgt Ion:168 Resp: 78406
Ion Ratio Lower Upper
168 100
99 64.6 59.9 89.9



#3
Chloromethane
Concen: 0.806 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion: 50 Resp: 1411
Ion Ratio Lower Upper
50 100
52 56.6 25.0 37.4#

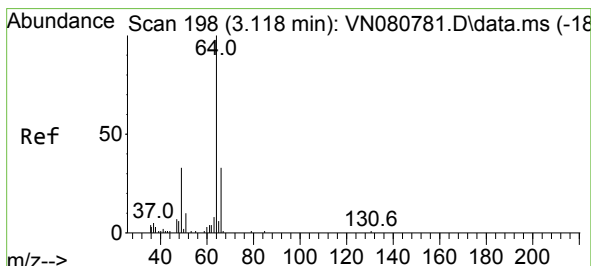
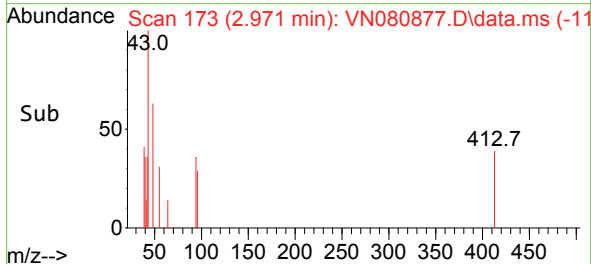
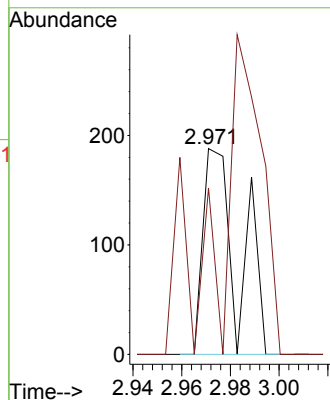
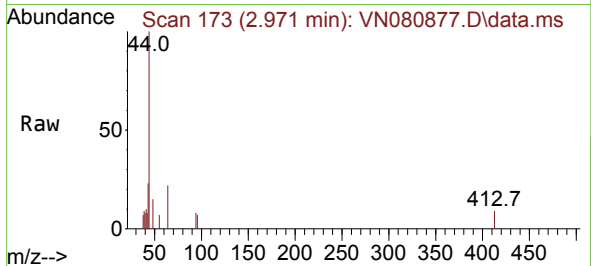




#5
Bromomethane
Concen: 0.351 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

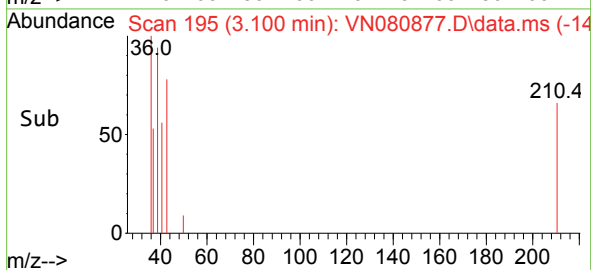
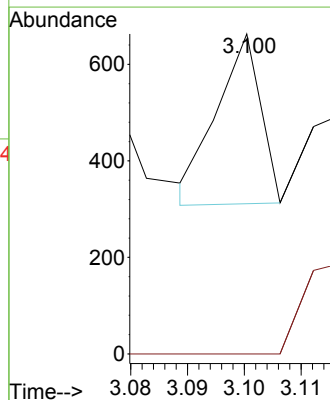
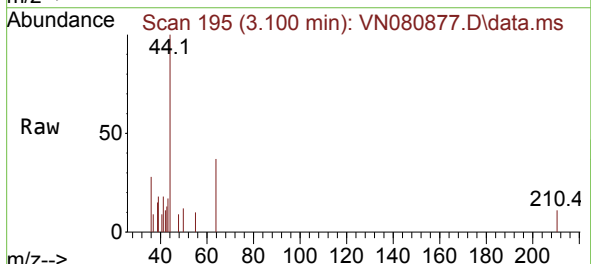
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

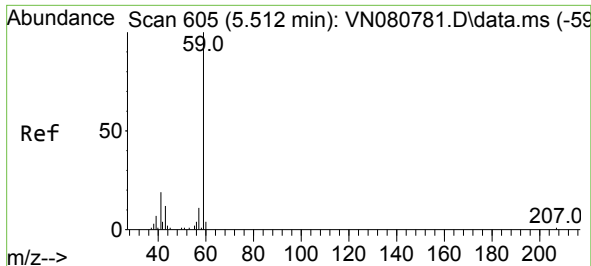
Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 80.9 69.2 103.8



#6
Chloroethane
Concen: 0.264 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion: 64 Resp: 187
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

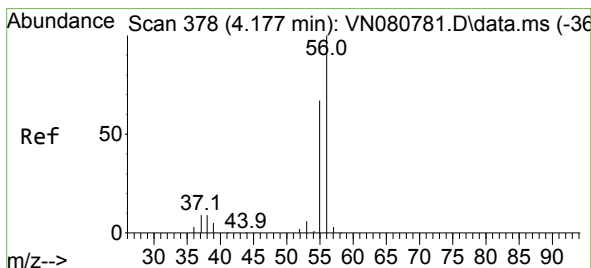
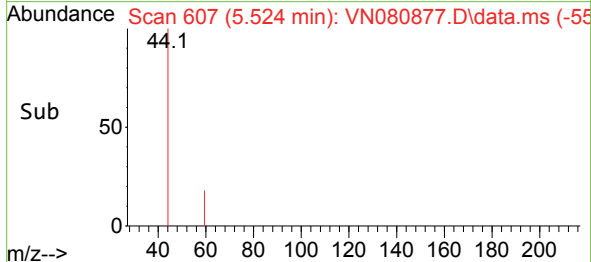
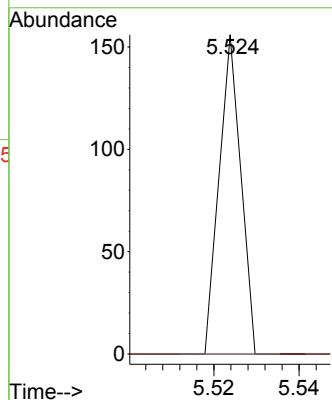
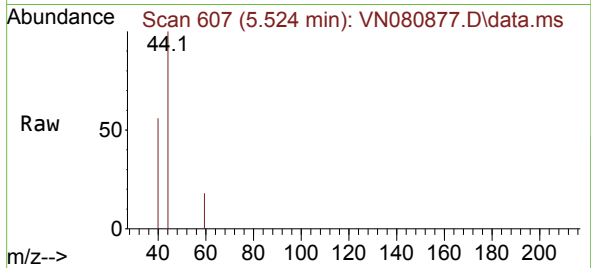




#11
Tert butyl alcohol
Concen: 0.249 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

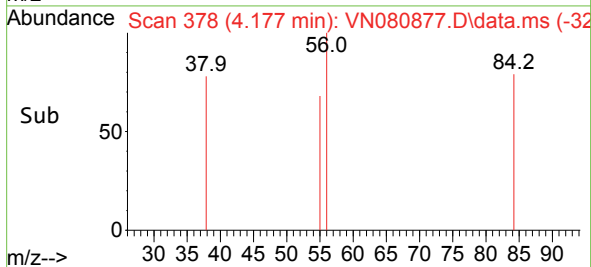
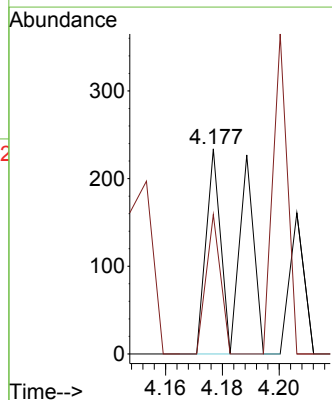
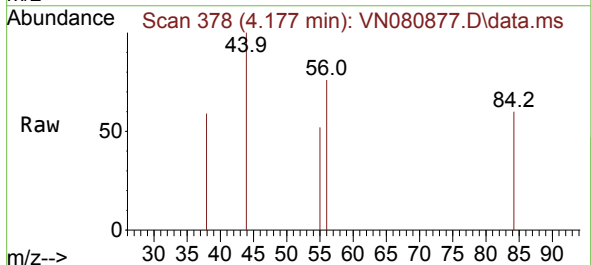
Instrument :
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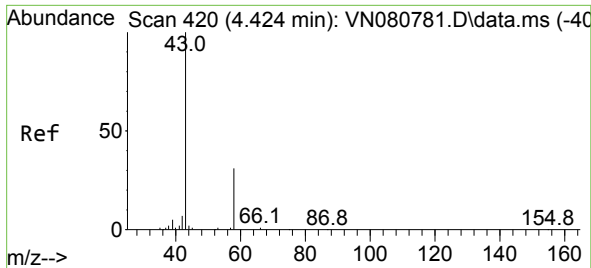
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.585 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 34.4 55.3 82.9#

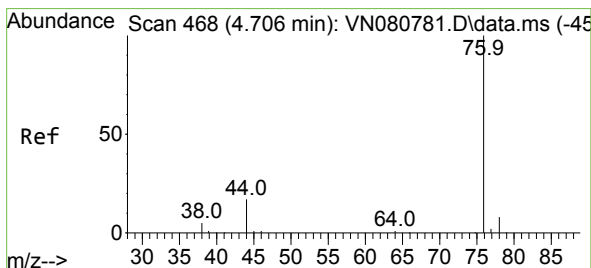
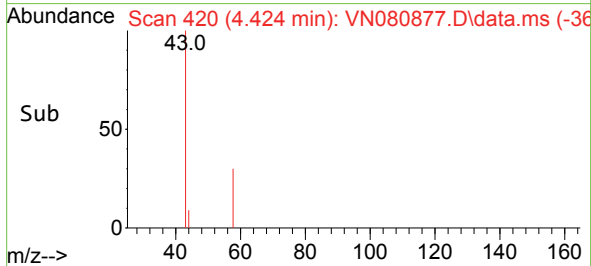
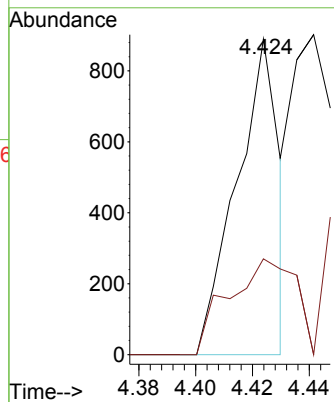
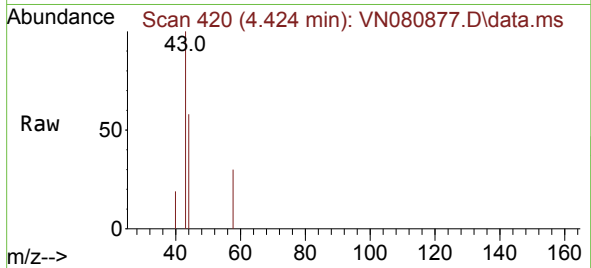




#16
Acetone
Concen: 1.891 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

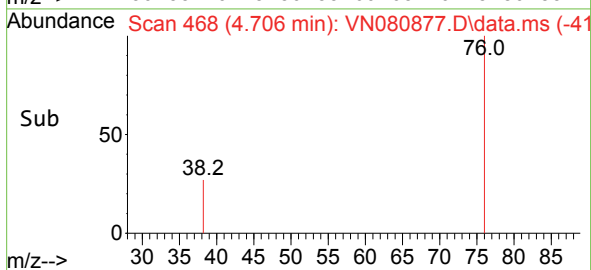
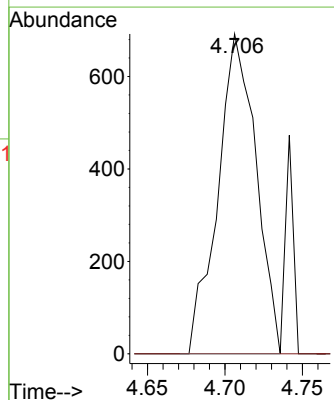
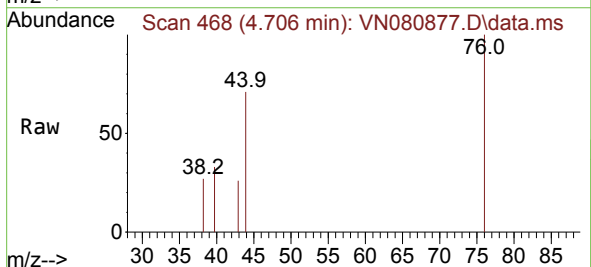
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MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

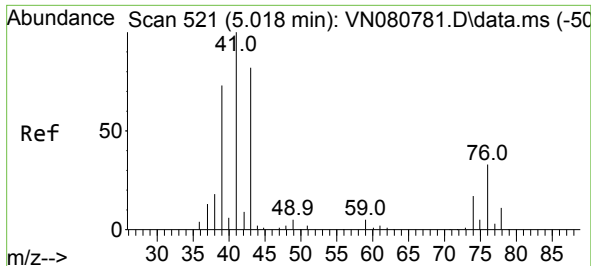
Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 30.3 24.8 37.2



#17
Carbon Disulfide
Concen: 0.347 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion: 76 Resp: 1188
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

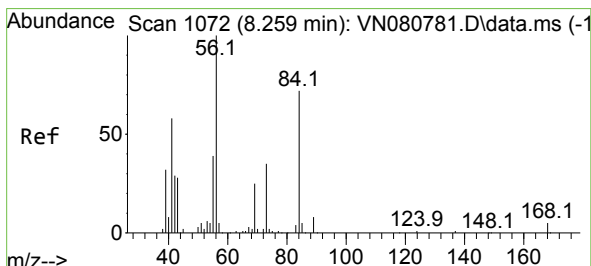
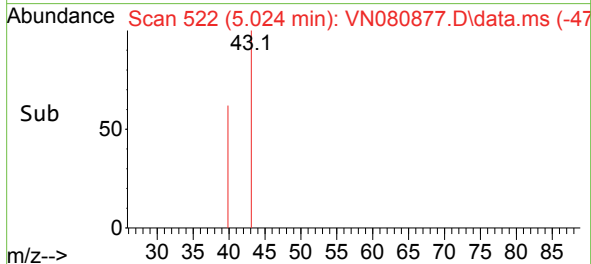
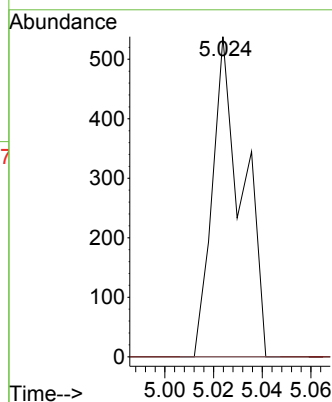
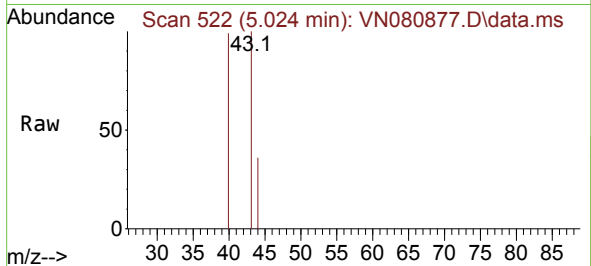




#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

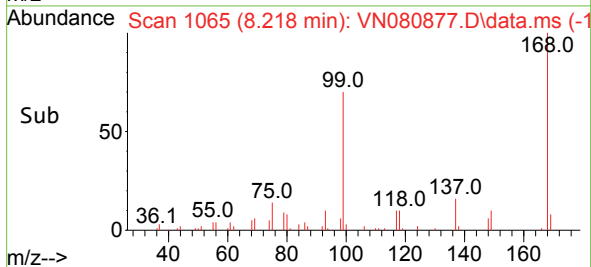
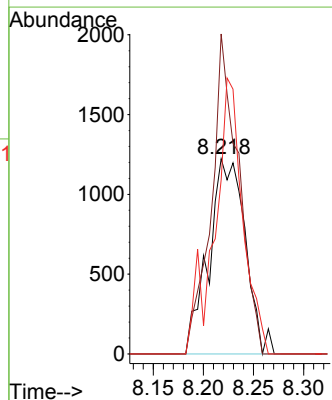
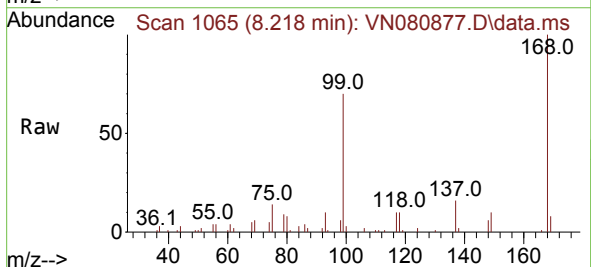
Instrument :
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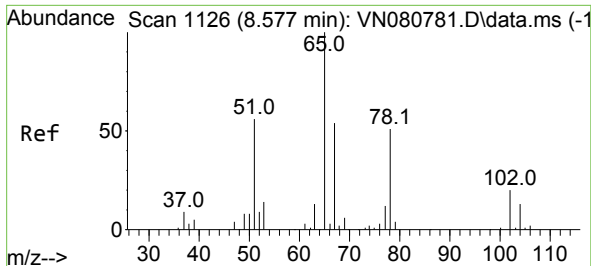
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion: 56 Resp: 3086
Ion Ratio Lower Upper
56 100
69 163.9 20.1 30.1#
84 89.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.137 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080877.D

Acq: 02 Feb 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

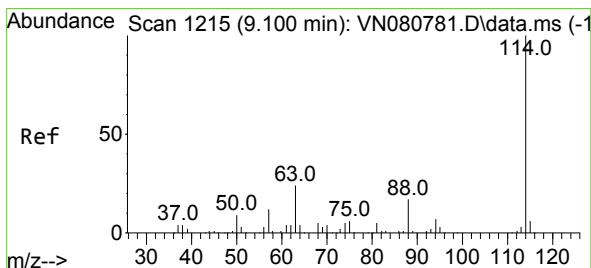
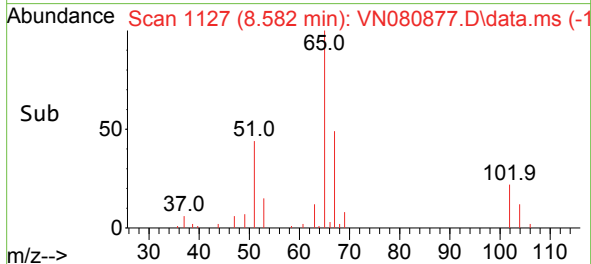
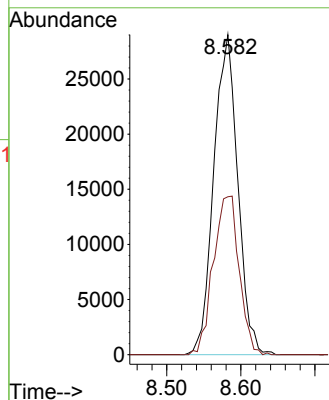
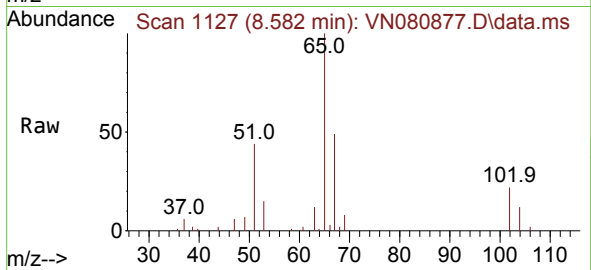
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 65293

Ion Ratio Lower Upper

65 100

67 53.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN080877.D

Acq: 02 Feb 2024 16:39

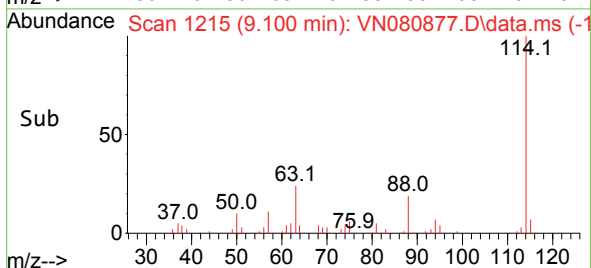
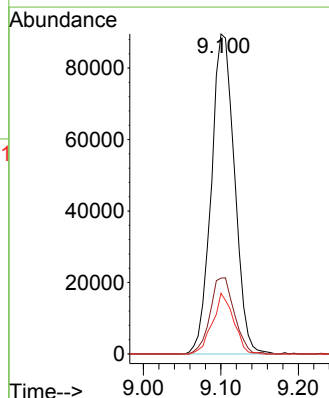
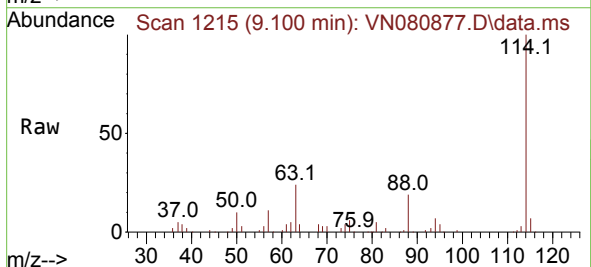
Tgt Ion: 114 Resp: 186738

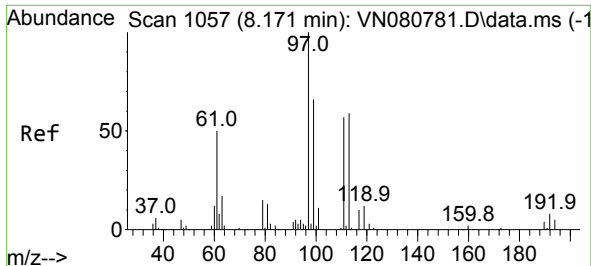
Ion Ratio Lower Upper

114 100

63 23.7 0.0 48.0

88 19.0 0.0 34.8

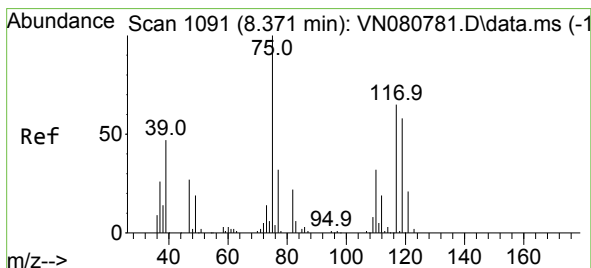
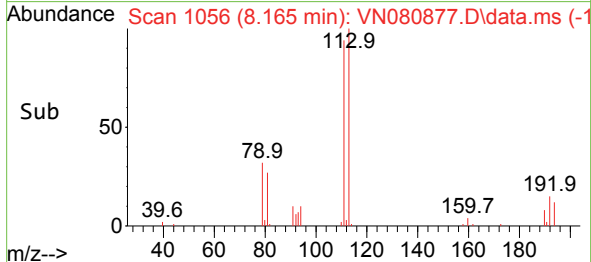
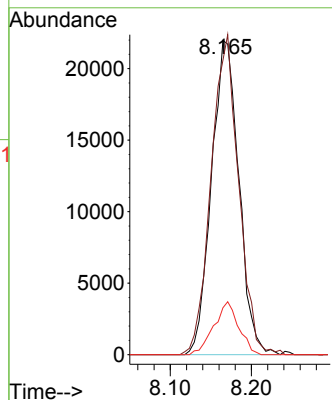
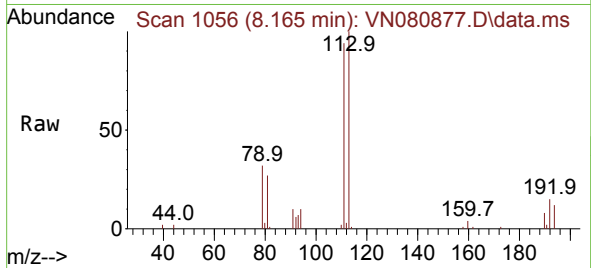




#35
Dibromofluoromethane
Concen: 45.069 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

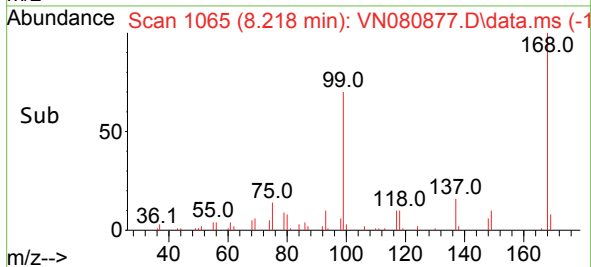
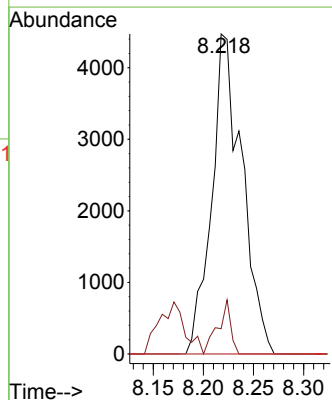
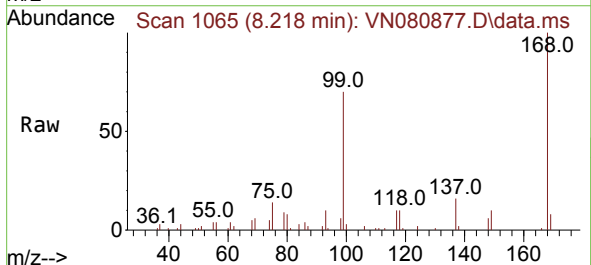
Instrument :
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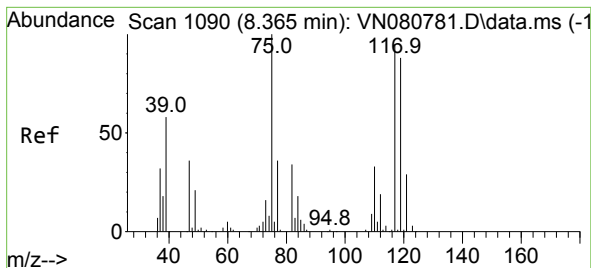
Tgt Ion:113 Resp: 51490
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 15.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.442 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion: 75 Resp: 9432
Ion Ratio Lower Upper
75 100
110 7.1 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.972 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080877.D

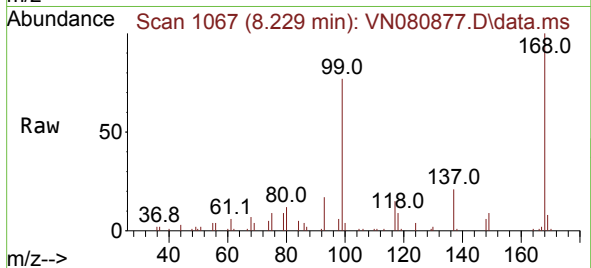
Acq: 02 Feb 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



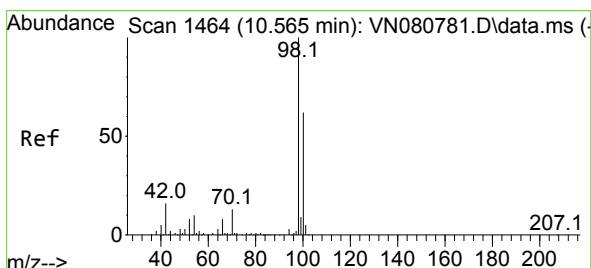
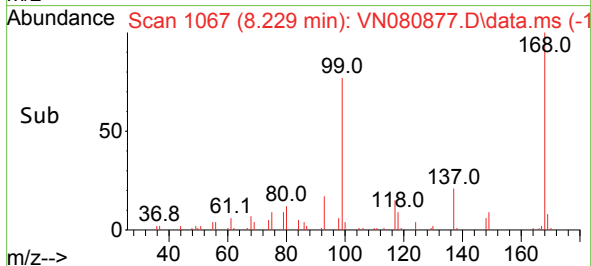
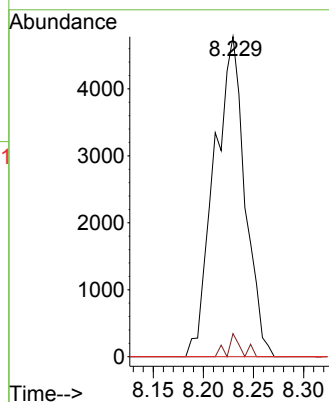
Tgt Ion:117 Resp: 10217

Ion Ratio Lower Upper

117 100

119 7.2 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 47.364 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080877.D

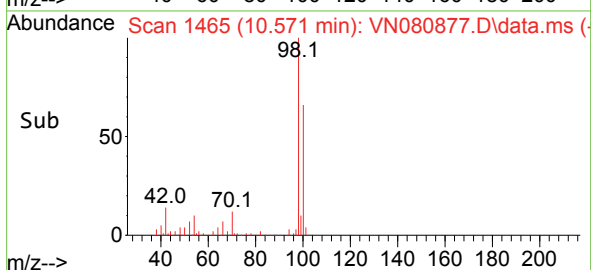
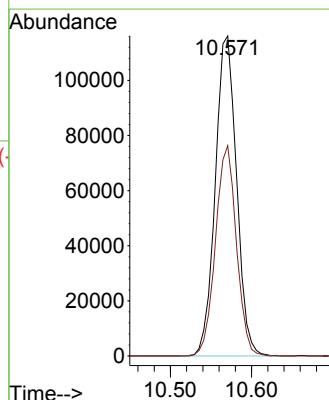
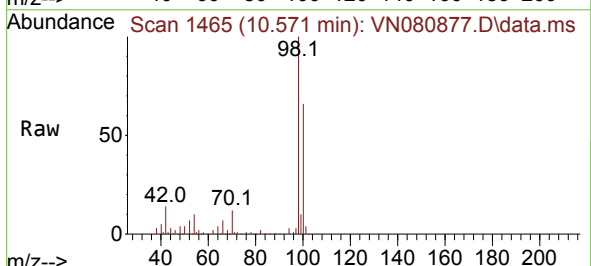
Acq: 02 Feb 2024 16:39

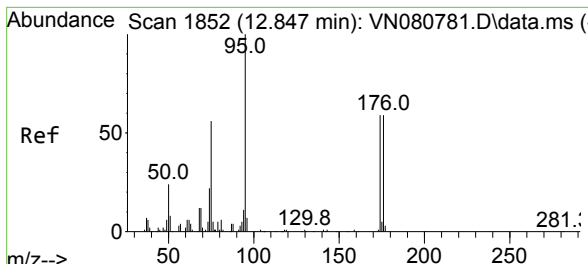
Tgt Ion: 98 Resp: 211792

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

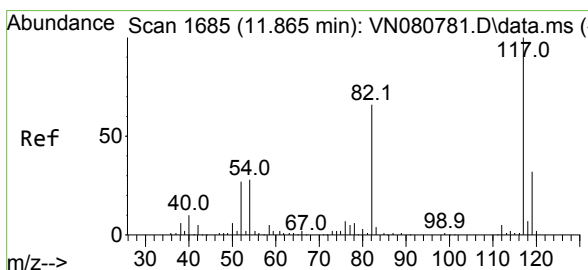
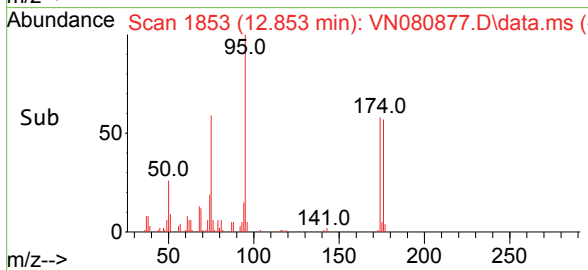
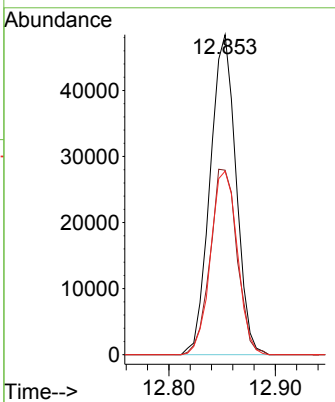
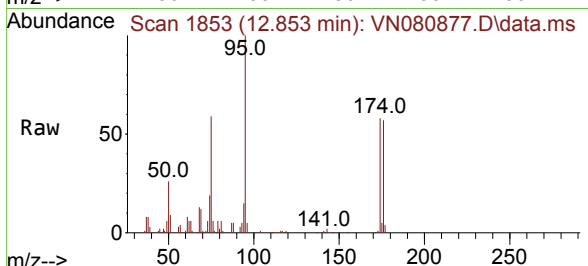




#62
 4-Bromofluorobenzene
 Concen: 52.456 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN080877.D
 Acq: 02 Feb 2024 16:39

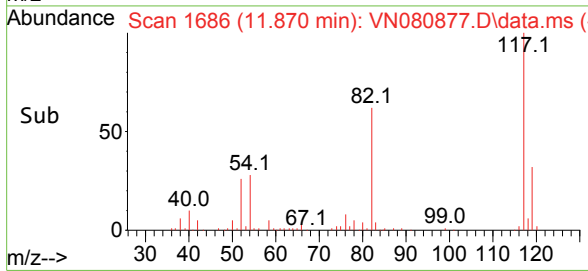
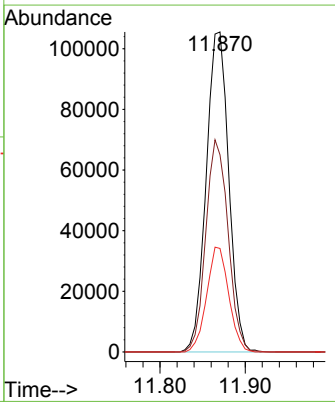
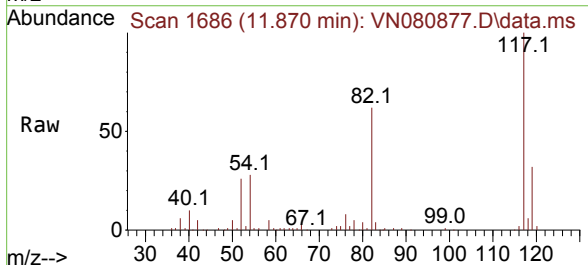
Instrument : MSVOA_N
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

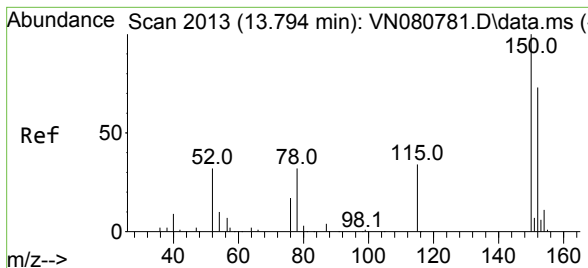
Tgt Ion:	95	Resp:	81738
Ion	Ratio	Lower	Upper
95	100		
174	60.2	0.0	120.4
176	59.1	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN080877.D
 Acq: 02 Feb 2024 16:39

Tgt Ion:	117	Resp:	194133
Ion	Ratio	Lower	Upper
117	100		
82	61.6	52.7	79.1
119	32.4	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: VN080877.D

Acq: 02 Feb 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

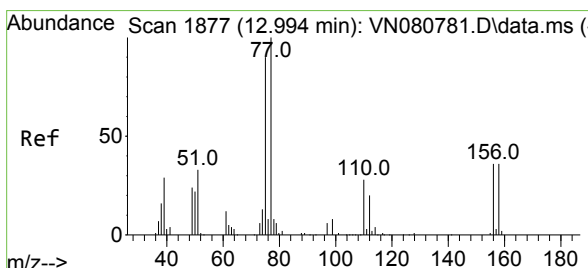
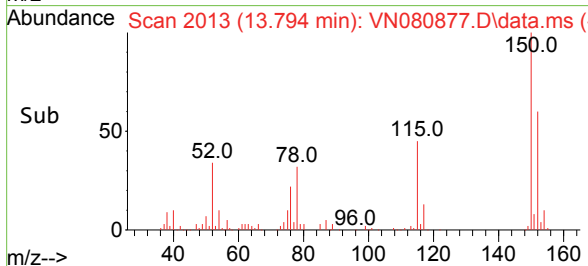
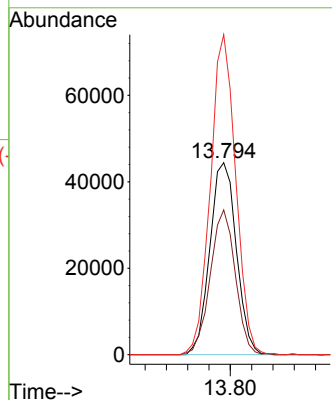
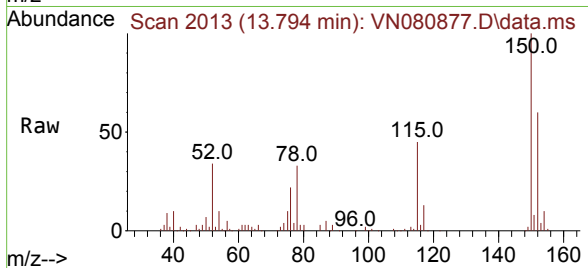
Tgt Ion:152 Resp: 76599

Ion Ratio Lower Upper

152 100

115 71.5 32.3 96.8

150 159.3 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.020 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080877.D

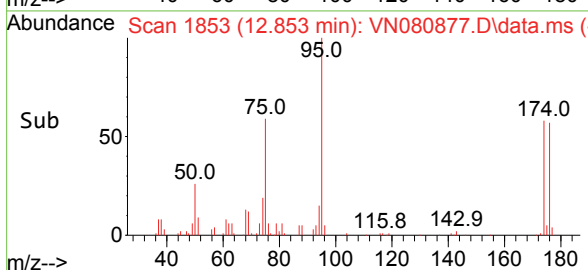
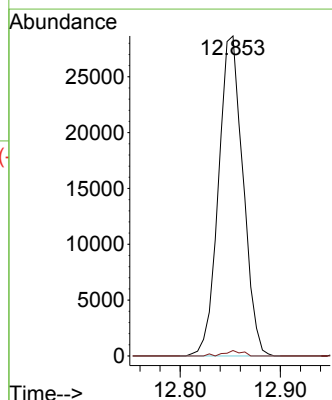
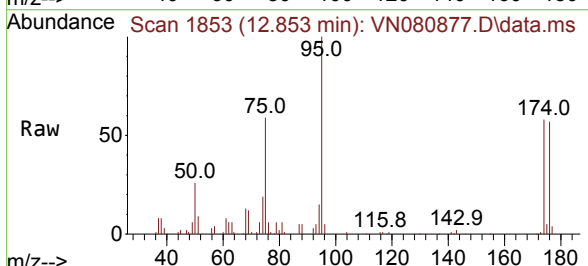
Acq: 02 Feb 2024 16:39

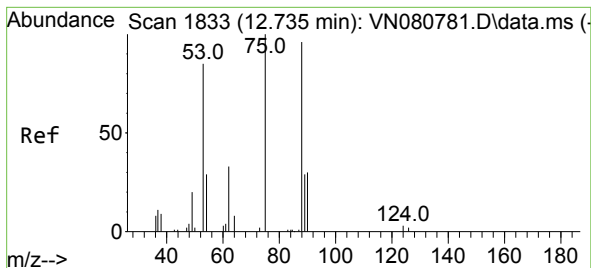
Tgt Ion: 75 Resp: 48562

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#

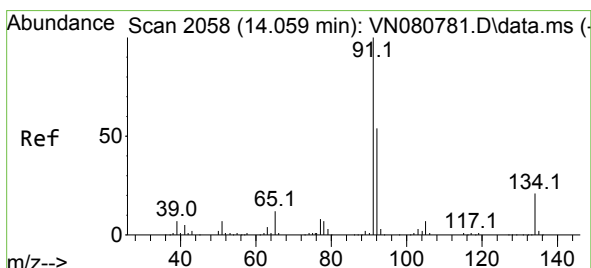
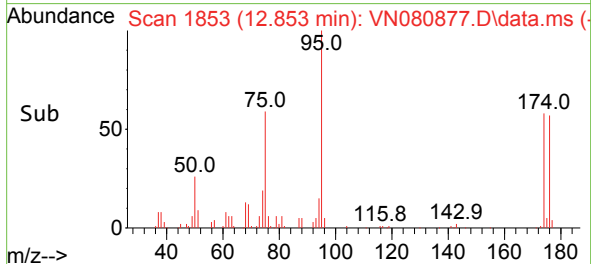
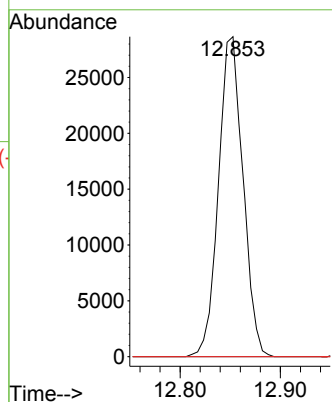
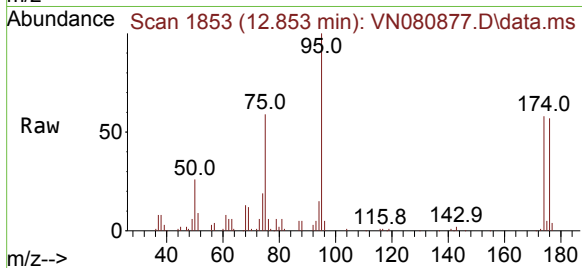




#81
trans-1,4-Dichloro-2-butene
Concen: 54.152 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

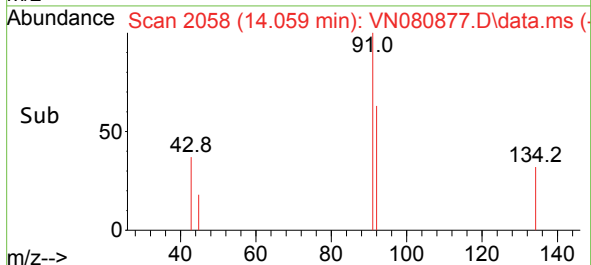
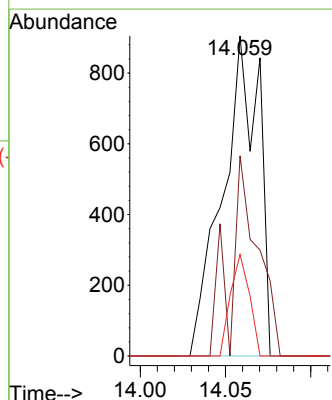
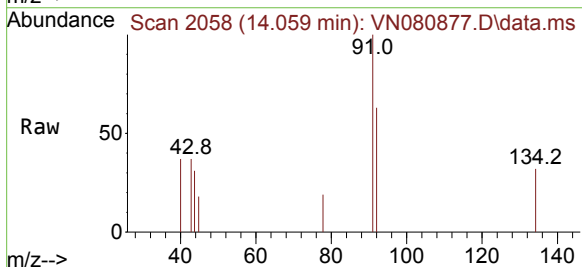
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

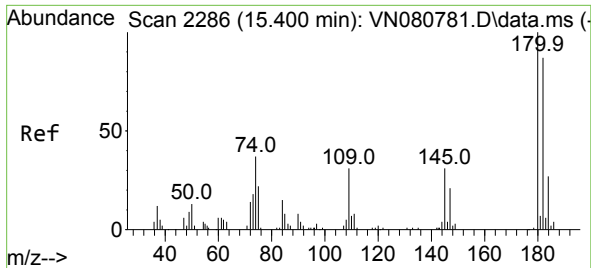
Tgt Ion: 75 Resp: 48562
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#89
n-Butylbenzene
Concen: 0.267 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion: 91 Resp: 1337
Ion Ratio Lower Upper
91 100
92 47.0 26.7 80.1
134 16.5 10.8 32.4

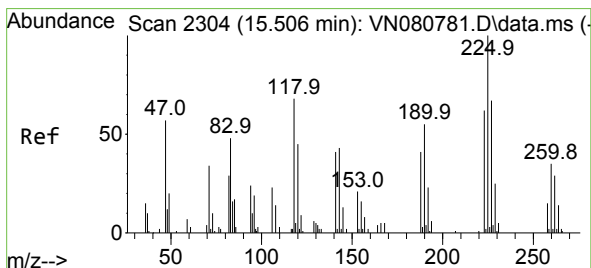
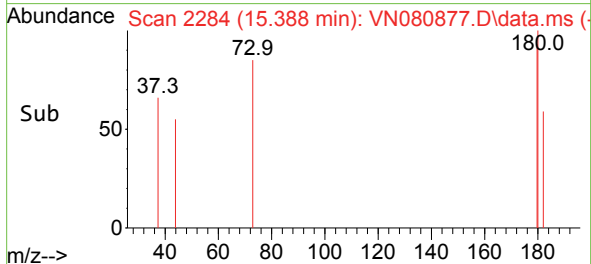
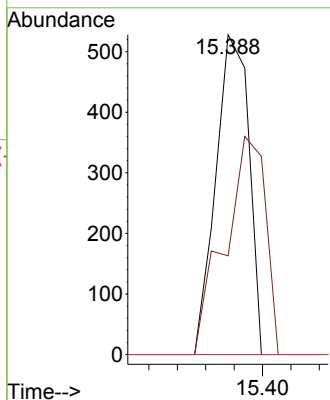
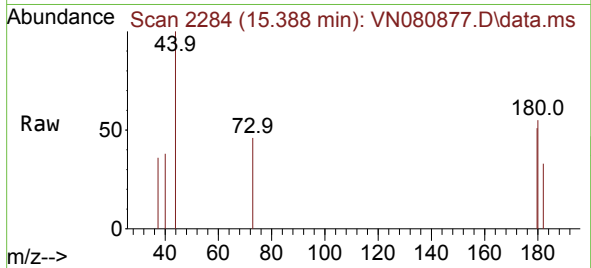




#93
1,2,4-Trichlorobenzene
Concen: 0.338 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

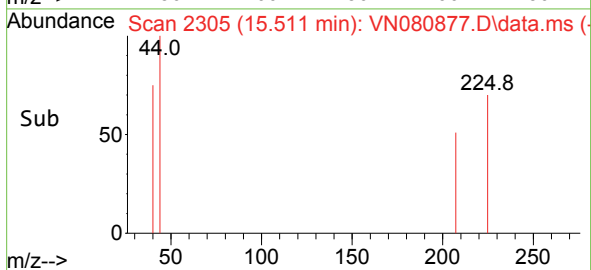
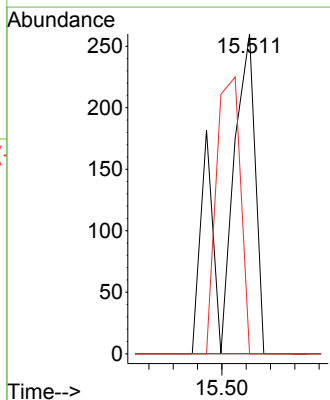
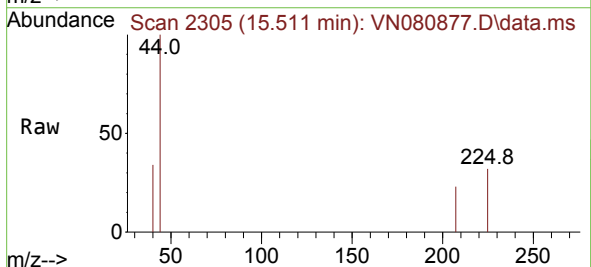
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

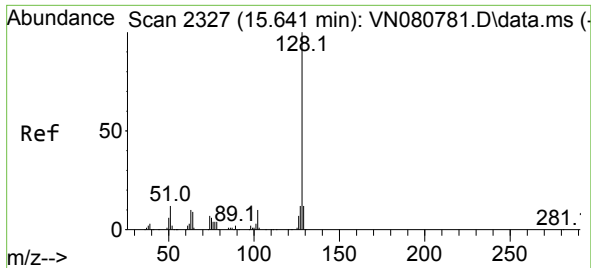
Tgt Ion:180 Resp: 427
Ion Ratio Lower Upper
180 100
182 84.3 46.6 139.7
145 0.0 16.8 50.3#



#94
Hexachlorobutadiene
Concen: 0.395 ug/l
RT: 15.511 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN080877.D
Acq: 02 Feb 2024 16:39

Tgt Ion:225 Resp: 218
Ion Ratio Lower Upper
225 100
223 0.0 33.3 99.8#
227 70.6 33.1 99.2





#95

Naphthalene

Concen: 0.345 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN080877.D

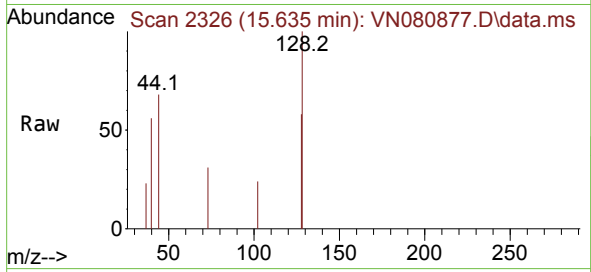
Acq: 02 Feb 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion:128 Resp: 1667

Ion Ratio Lower Upper

128 100

127 8.5 10.0 15.0#

129 0.0 8.7 13.1#

