

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078692.D
 Acq On : 28 Jul 2023 18:06
 Operator : JC\MD
 Sample : 03820-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jul 29 00:52:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	682772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1220605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1106131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	382654	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	432844	47.288	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.580%
35) Dibromofluoromethane	8.177	113	430172	51.916	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.840%
50) Toluene-d8	10.571	98	1488722	47.561	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.120%
62) 4-Bromofluorobenzene	12.853	95	510547	52.953	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.900%

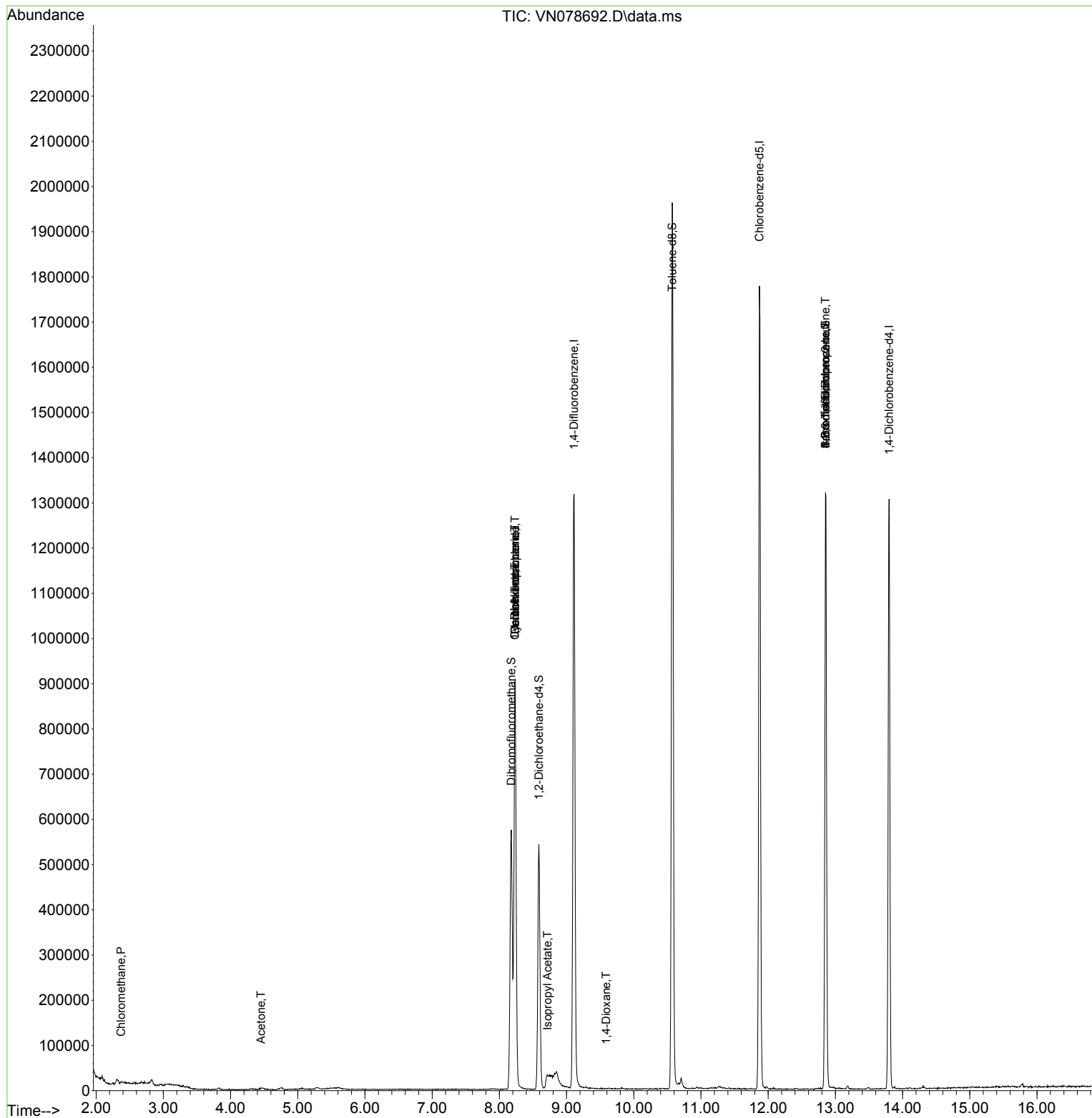
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	2754	0.303 ug/l #	75	
5) Bromomethane	2.971	94	2214	Below Cal	89	
6) Chloroethane	3.059	64	5270	Below Cal #	73	
16) Acetone	4.453	43	2897	1.016 ug/l #	75	
20) Methylene Chloride	5.277	84	1692	Below Cal #	64	
31) Cyclohexane	8.230	56	11600	0.938 ug/l #	1	
36) 1,1-Dichloropropene	8.230	75	52404	4.380 ug/l #	49	
38) Carbon Tetrachloride	8.235	117	71003	5.461 ug/l #	14	
43) Isopropyl Acetate	8.718	43	31237	1.902 ug/l #	52	
49) 1,4-Dioxane	9.588	88	55	0.332 ug/l #	30	
71) Bromoform	12.853	173	2219	0.344 ug/l #	28	
75) 1,1,2,2-Tetrachloroethane	12.970	83	292	Below Cal #	26	
76) 1,2,3-Trichloropropane	12.853	75	246700	26.673 ug/l #	1	
77) Bromobenzene	12.982	156	58	Below Cal #	1	
81) trans-1,4-Dichloro-2-b...	12.853	75	246700	70.090 ug/l #	15	
90) Hexachloroethane	14.341	117	137	Below Cal #	21	
92) 1,2-Dibromo-3-Chloropr...	14.688	75	86	Below Cal #	4	

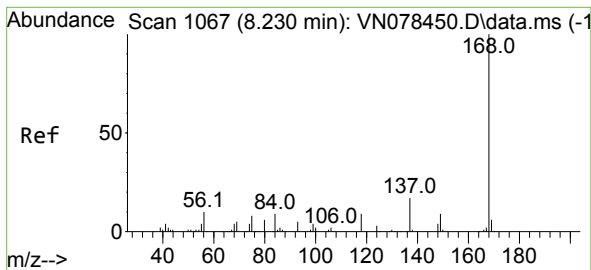
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078692.D

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MSVOA_N

ClientSampleId :

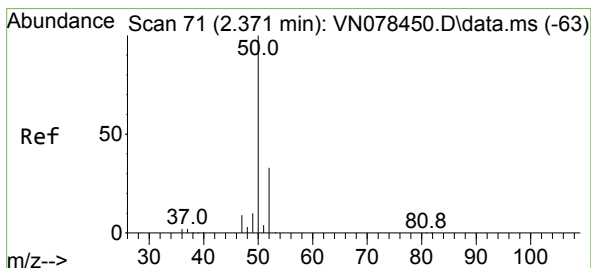
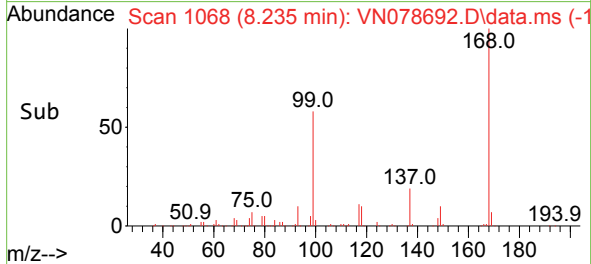
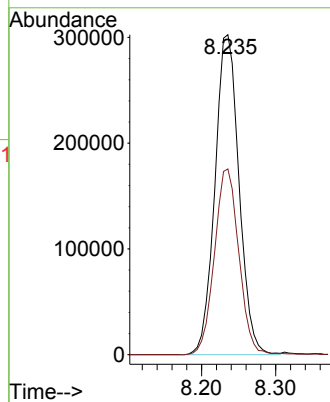
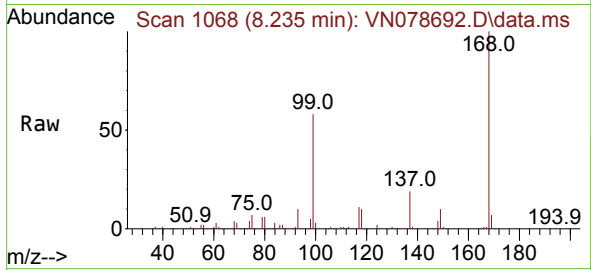
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 682772

Ion Ratio Lower Upper

168 100

99 58.0 53.0 79.6



#3

Chloromethane

Concen: 0.303 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078692.D

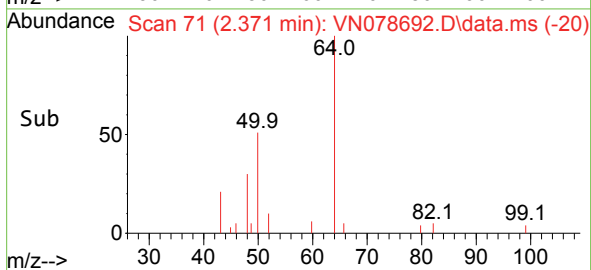
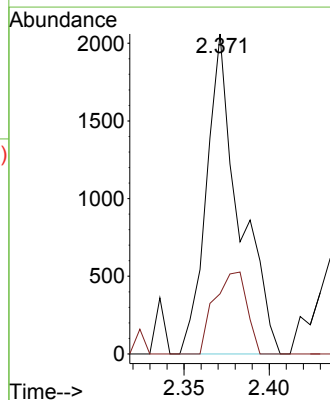
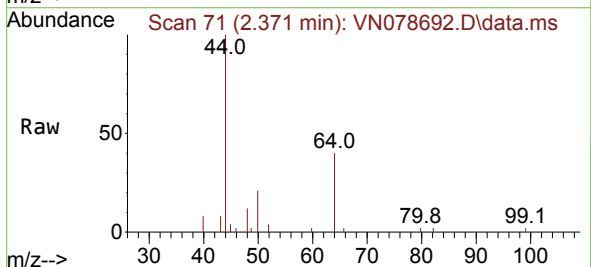
Acq: 28 Jul 2023 18:06

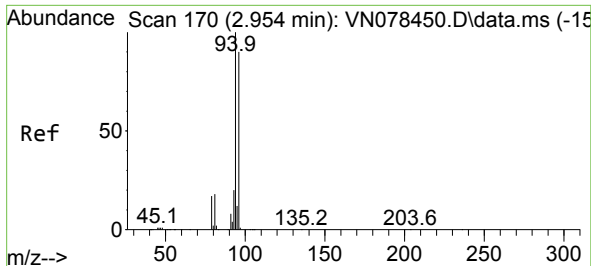
Tgt Ion: 50 Resp: 2754

Ion Ratio Lower Upper

50 100

52 18.8 26.5 39.7#

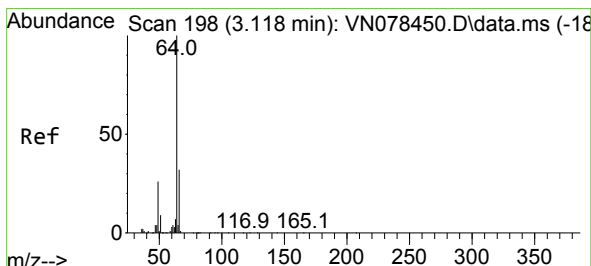
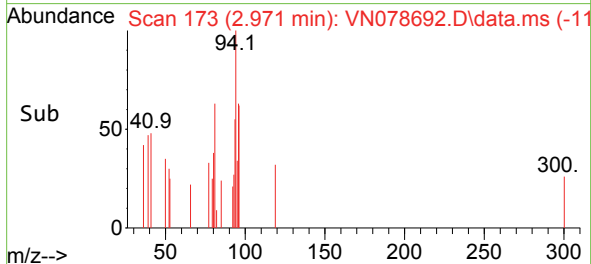
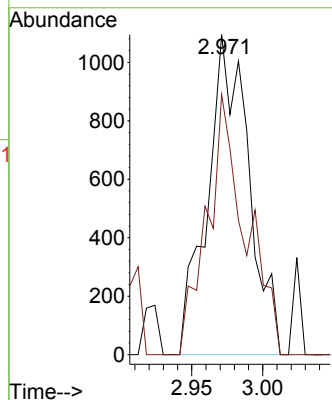
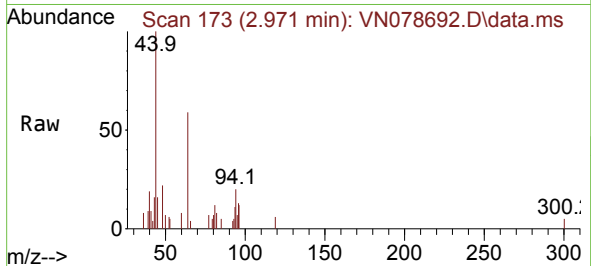




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

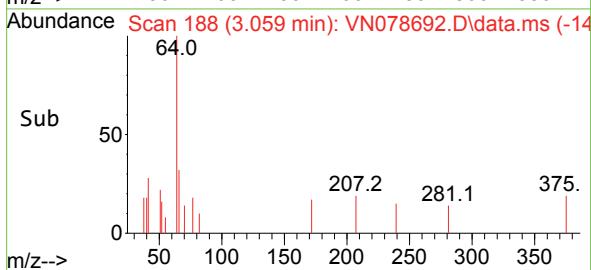
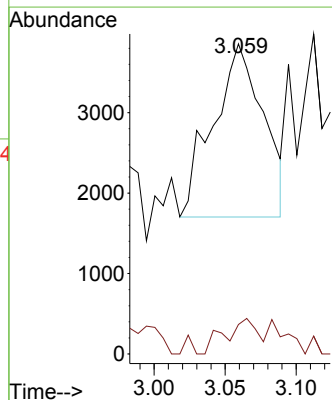
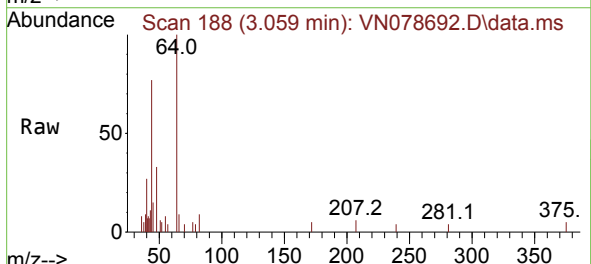
Instrument :
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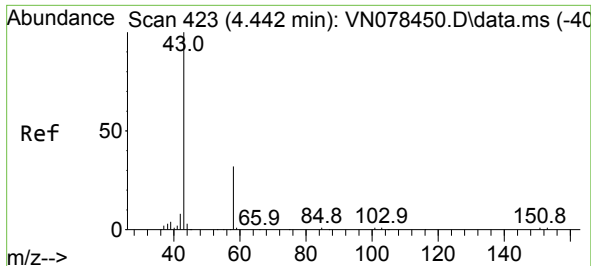
Tgt Ion: 94 Resp: 2214
Ion Ratio Lower Upper
94 100
96 81.4 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

Tgt Ion: 64 Resp: 5270
Ion Ratio Lower Upper
64 100
66 17.0 25.4 38.2#

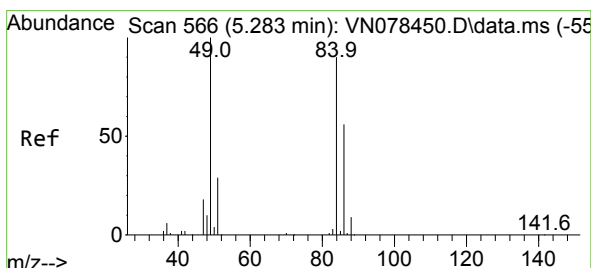
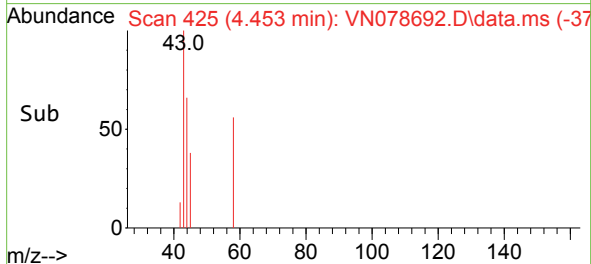
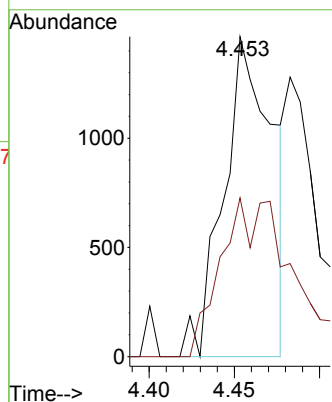
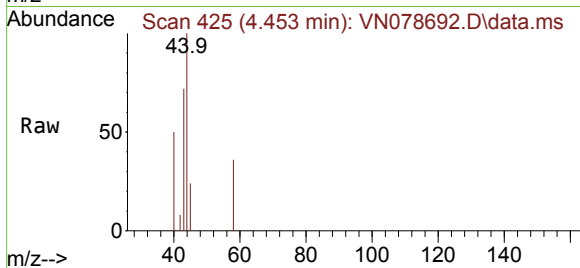




#16
Acetone
Concen: 1.016 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

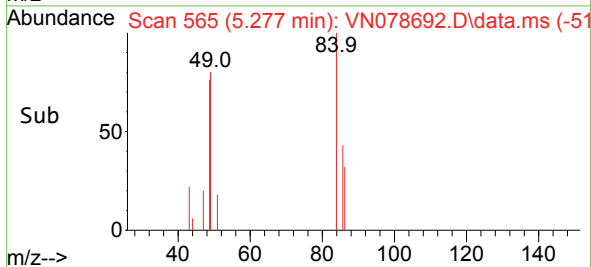
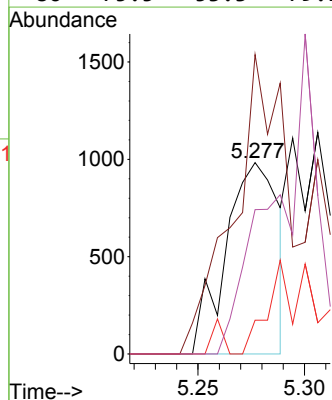
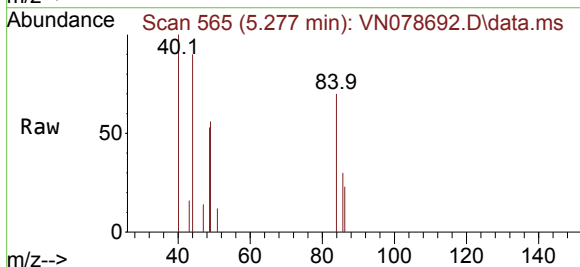
Instrument :
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ClientSampleId :
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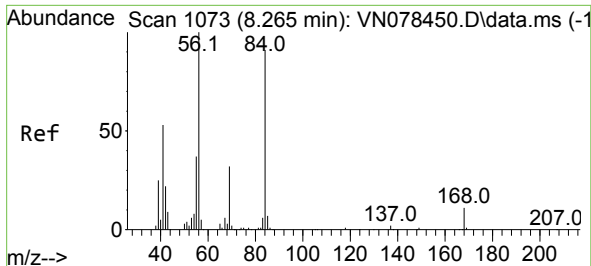
Tgt Ion: 43 Resp: 2897
Ion Ratio Lower Upper
43 100
58 49.6 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

Tgt Ion: 84 Resp: 1692
Ion Ratio Lower Upper
84 100
49 156.5 79.7 119.5#
51 17.7 25.2 37.8#
86 75.5 53.3 79.9

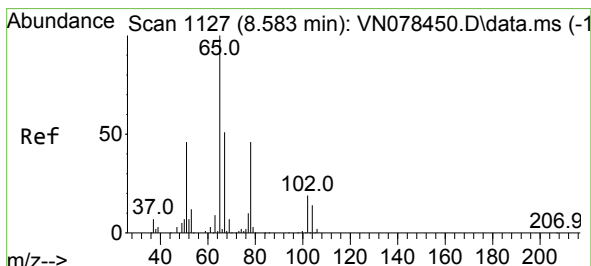
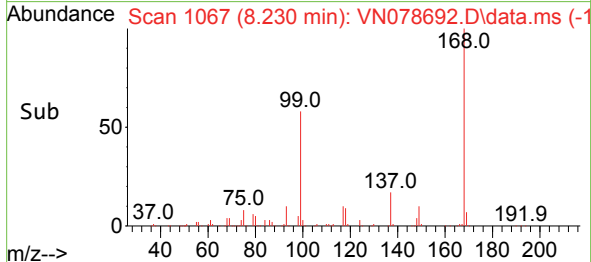
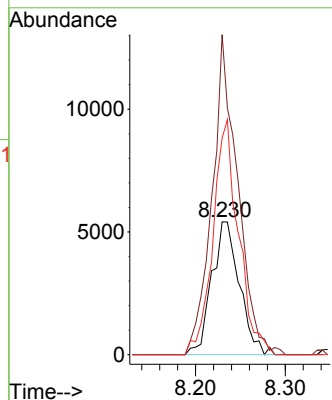
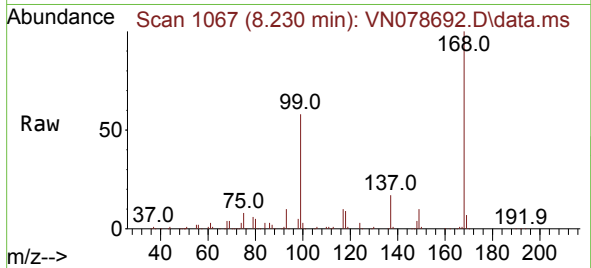




#31
Cyclohexane
Concen: 0.938 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

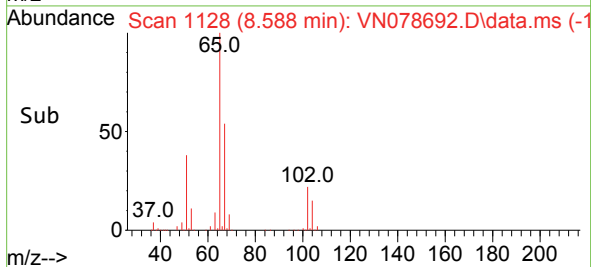
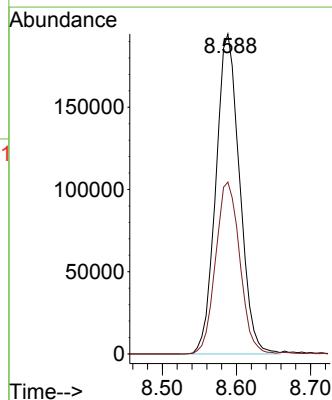
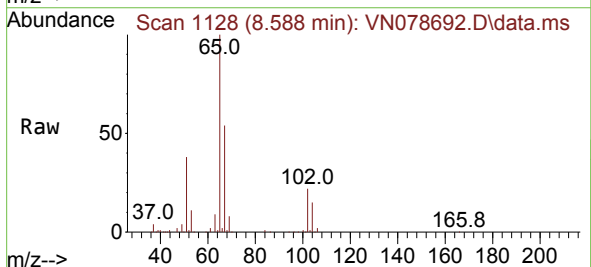
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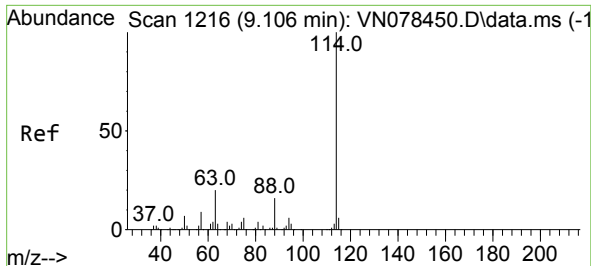
Tgt Ion: 56 Resp: 11600
Ion Ratio Lower Upper
56 100
69 241.1 26.8 40.2#
84 163.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.288 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

Tgt Ion: 65 Resp: 432844
Ion Ratio Lower Upper
65 100
67 54.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078692.D

Acq: 28 Jul 2023 18:06

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

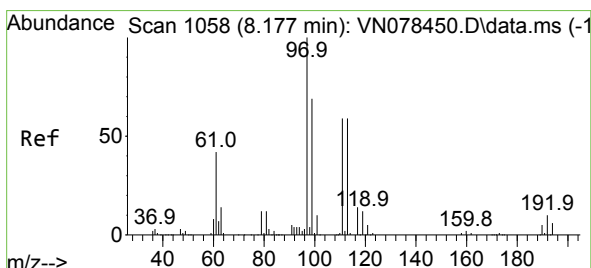
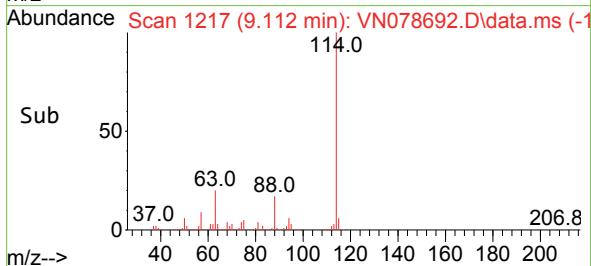
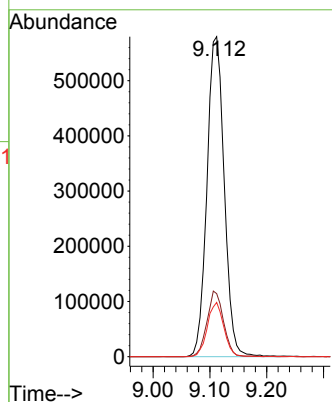
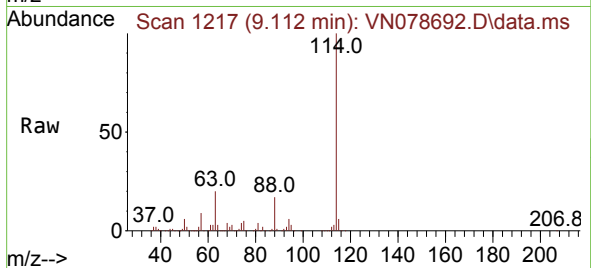
Tgt Ion:114 Resp: 1220605

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 17.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.916 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078692.D

Acq: 28 Jul 2023 18:06

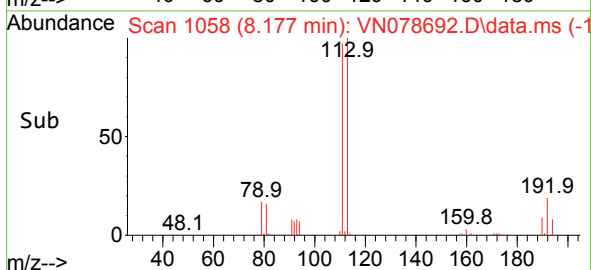
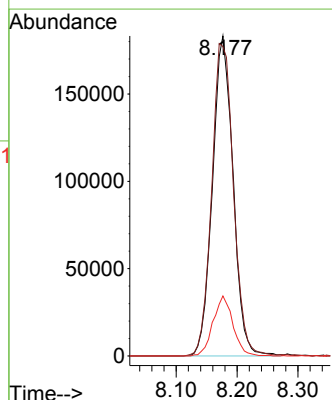
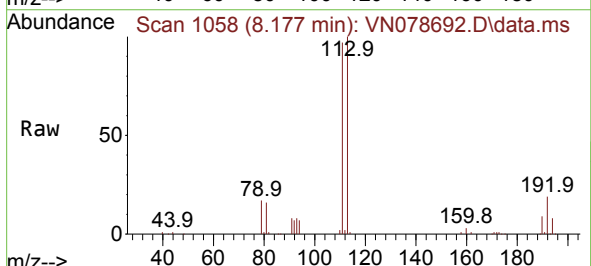
Tgt Ion:113 Resp: 430172

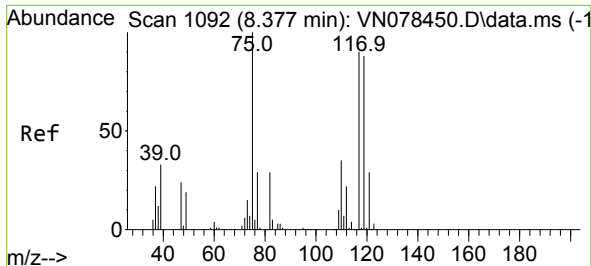
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.380 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078692.D

Acq: 28 Jul 2023 18:06

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STORAGE-BLANK-SOIL-REF-6

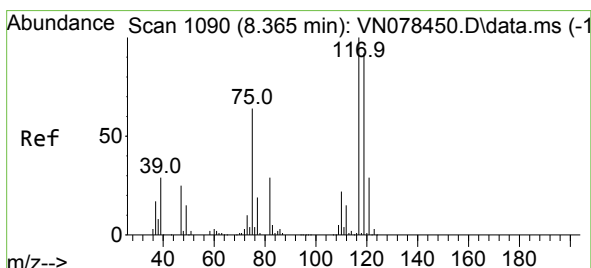
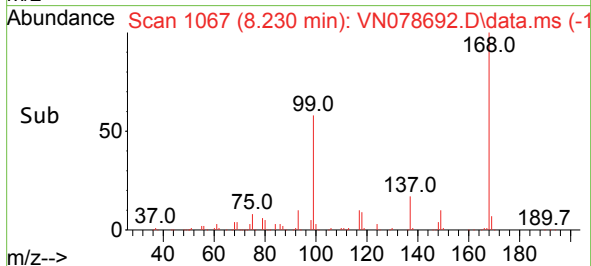
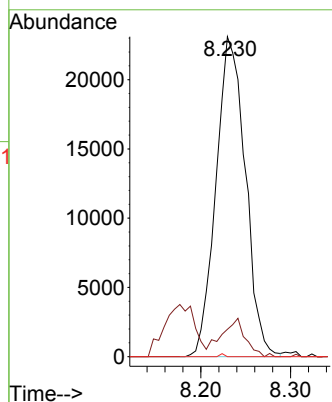
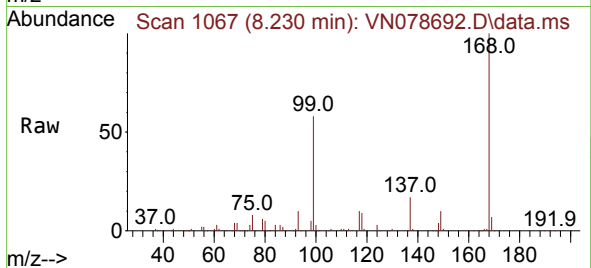
Tgt Ion: 75 Resp: 52404

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.3#

77 0.2 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.461 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.130 min

Lab File: VN078692.D

Acq: 28 Jul 2023 18:06

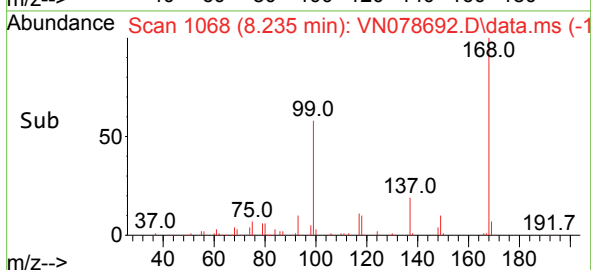
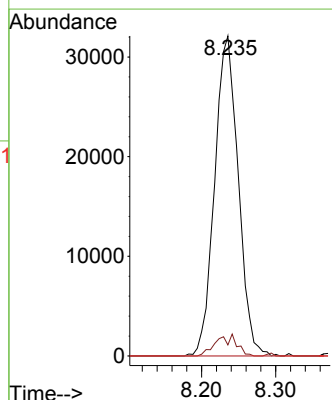
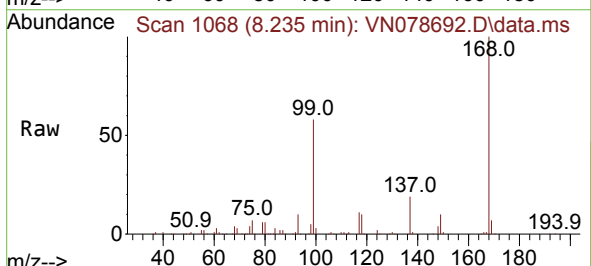
Tgt Ion: 117 Resp: 71003

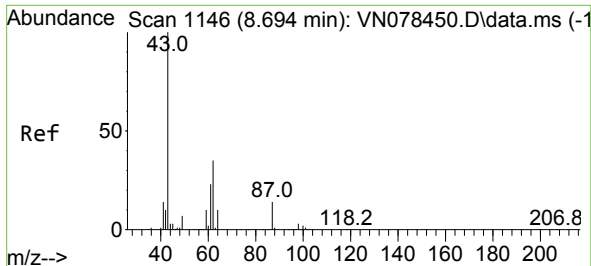
Ion Ratio Lower Upper

117 100

119 3.5 77.3 115.9#

121 0.0 23.3 34.9#

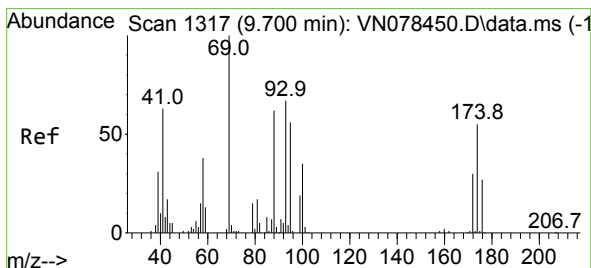
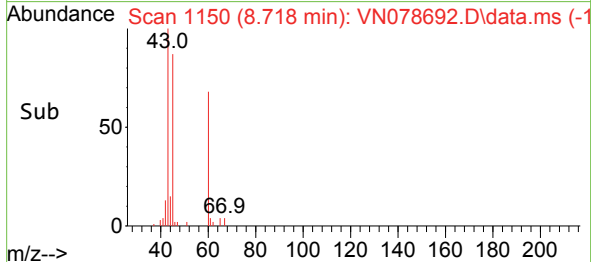
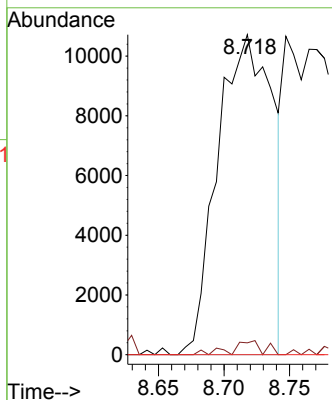
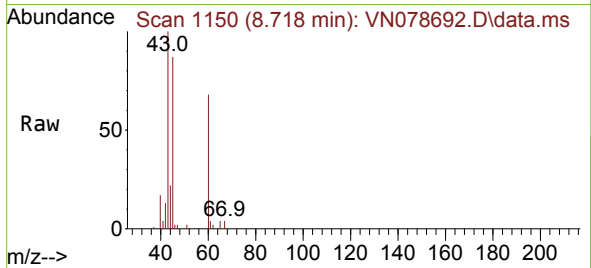




#43
Isopropyl Acetate
Concen: 1.902 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

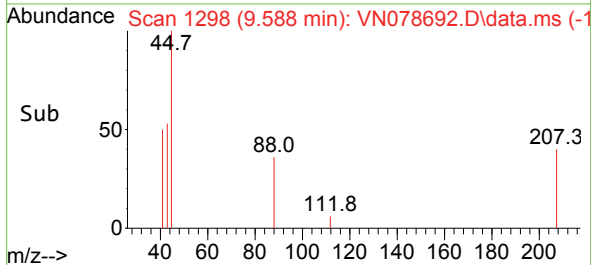
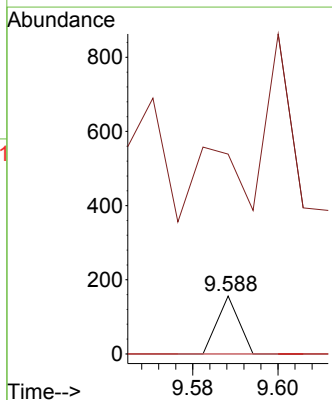
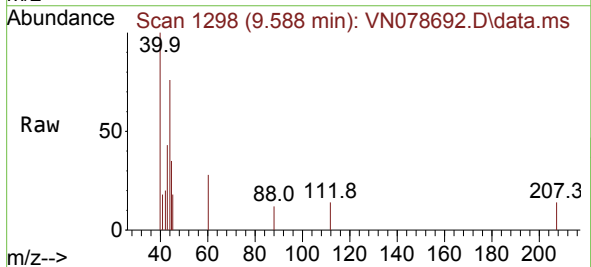
Instrument :
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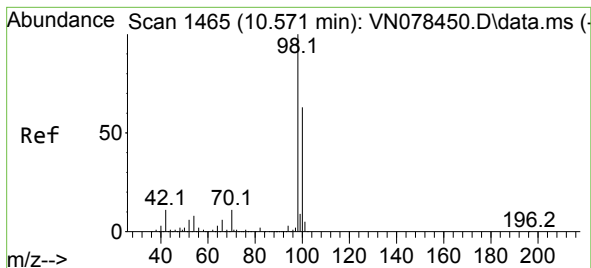
Tgt Ion: 43 Resp: 31237
Ion Ratio Lower Upper
43 100
61 2.5 24.7 37.1#
87 0.0 14.6 21.8#



#49
1,4-Dioxane
Concen: 0.332 ug/l
RT: 9.588 min Scan# 1298
Delta R.T. -0.112 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

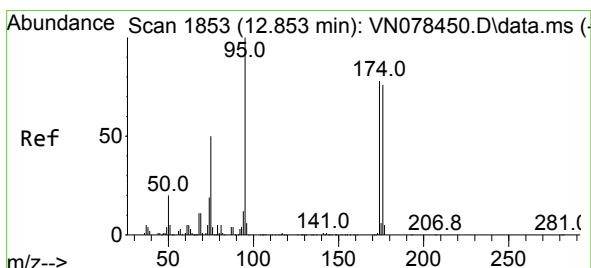
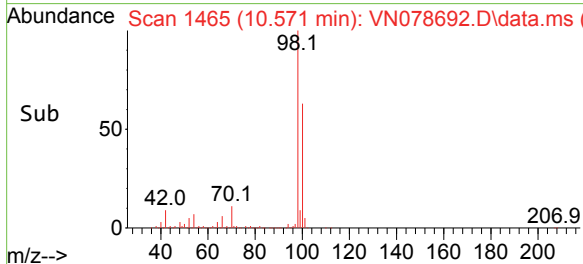
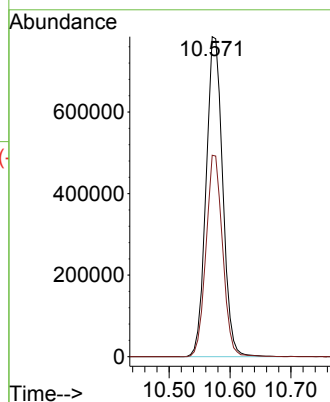
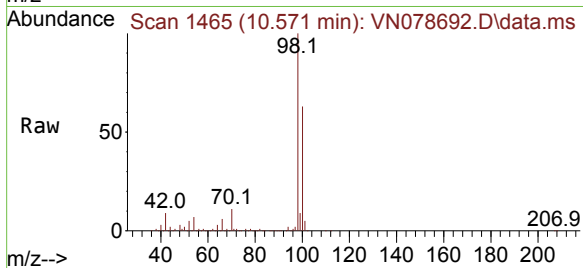




#50
Toluene-d8
Concen: 47.561 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

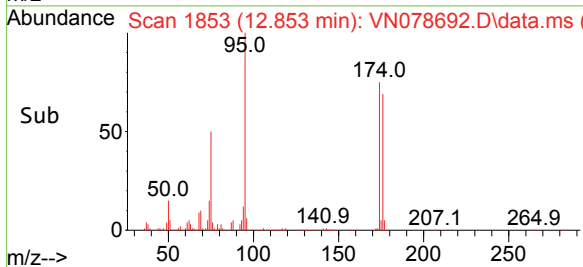
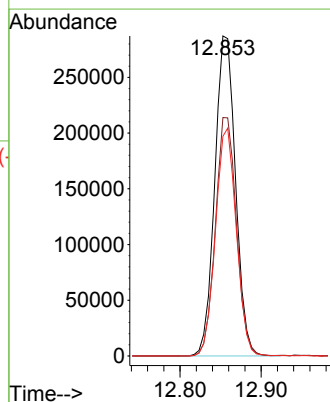
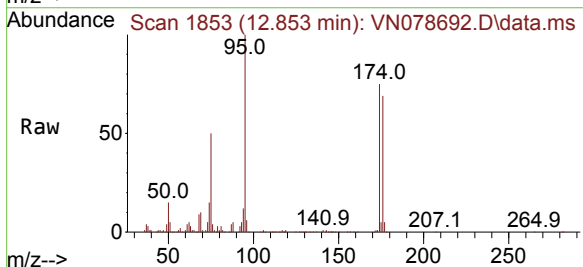
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

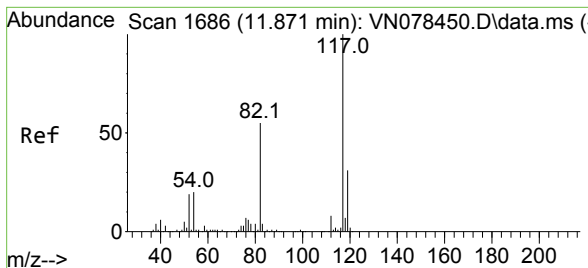
Tgt Ion: 98 Resp: 1488722
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.953 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

Tgt Ion: 95 Resp: 510547
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 71.4 0.0 135.8

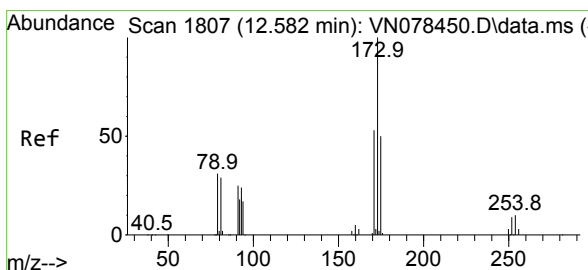
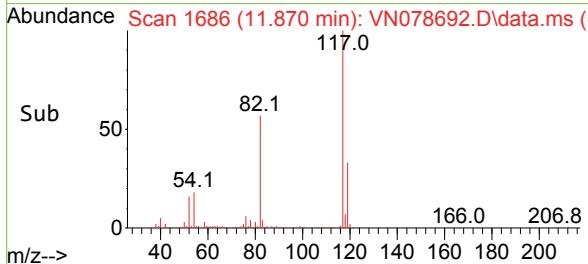
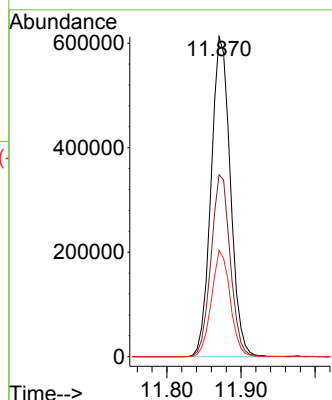
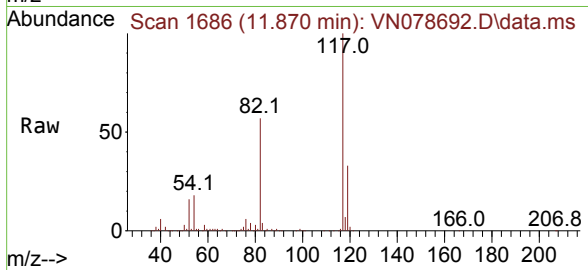




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1106
Delta R.T. -0.001 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

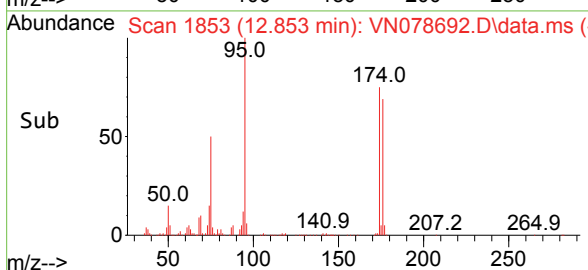
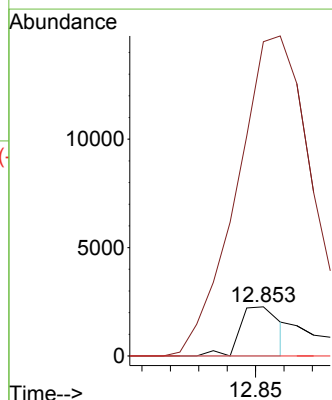
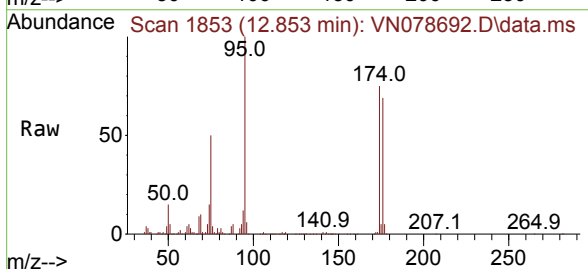
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

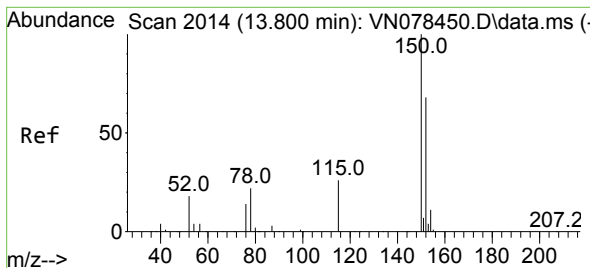
Tgt Ion:117 Resp: 1106131
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 33.1 25.6 38.4



#71
Bromoform
Concen: 0.344 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

Tgt Ion:173 Resp: 2219
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

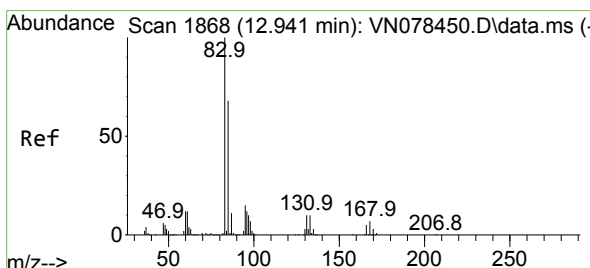
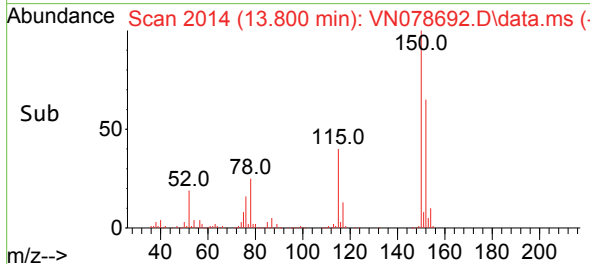
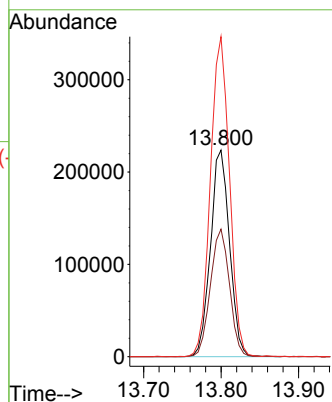
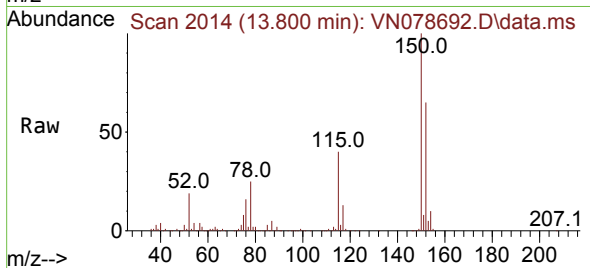




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078692.D
 Acq: 28 Jul 2023 18:06

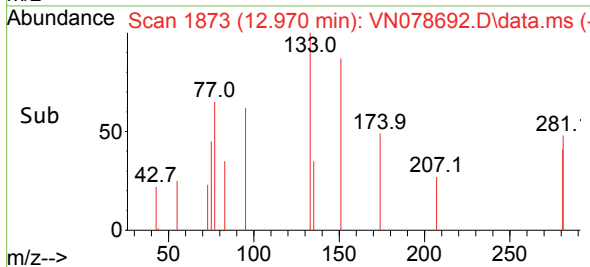
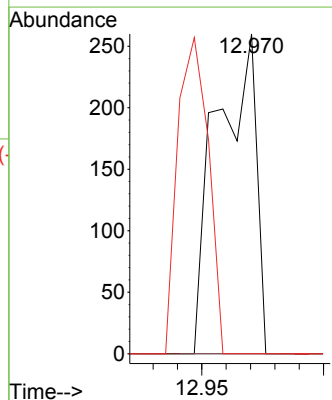
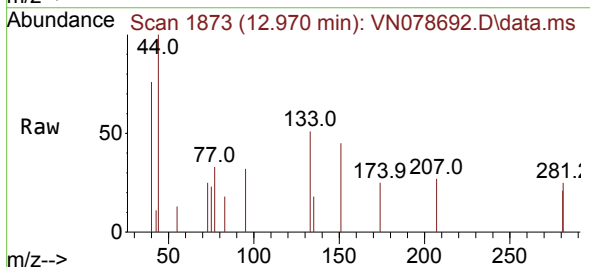
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

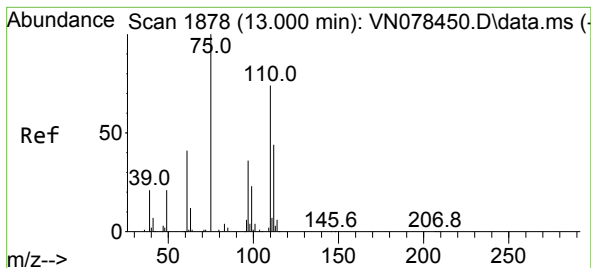
Tgt Ion:152 Resp: 382654
 Ion Ratio Lower Upper
 152 100
 115 61.9 32.3 96.8
 150 154.7 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.970 min Scan# 1873
 Delta R.T. 0.029 min
 Lab File: VN078692.D
 Acq: 28 Jul 2023 18:06

Tgt Ion: 83 Resp: 292
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.673 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078692.D

Acq: 28 Jul 2023 18:06

Instrument :

MSVOA_N

ClientSampleId :

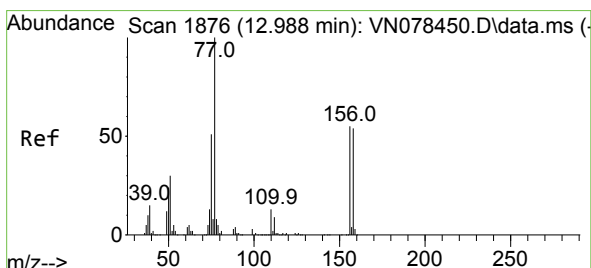
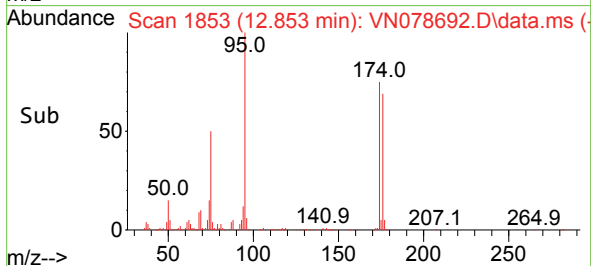
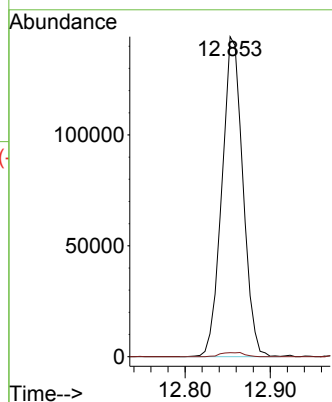
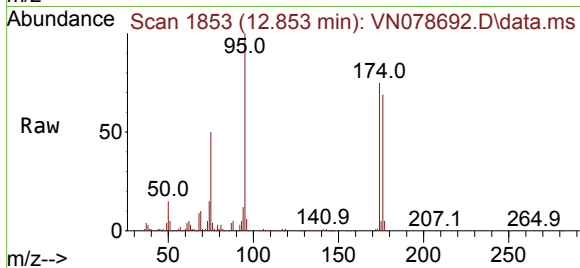
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 246700

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN078692.D

Acq: 28 Jul 2023 18:06

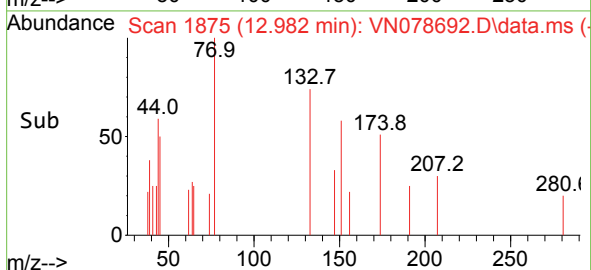
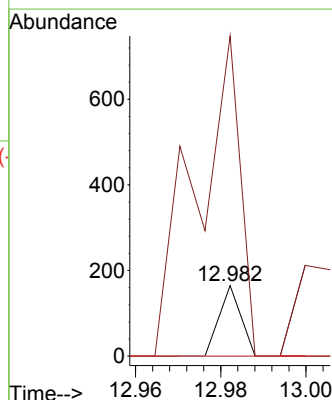
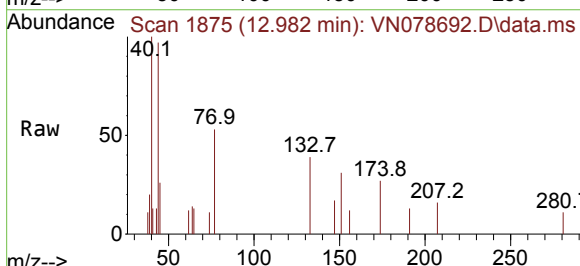
Tgt Ion:156 Resp: 58

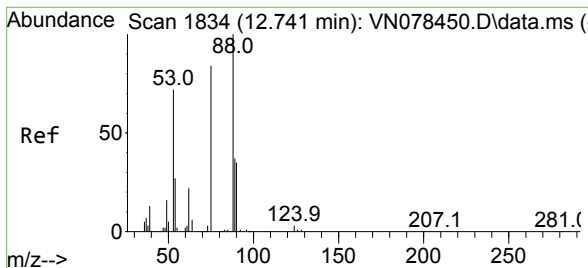
Ion Ratio Lower Upper

156 100

77 931.0 107.7 323.3#

158 0.0 48.4 145.3#

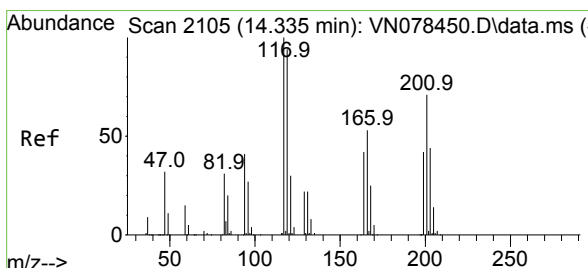
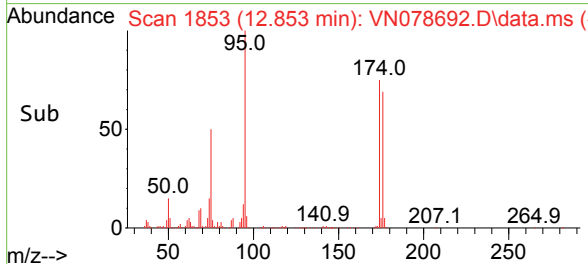
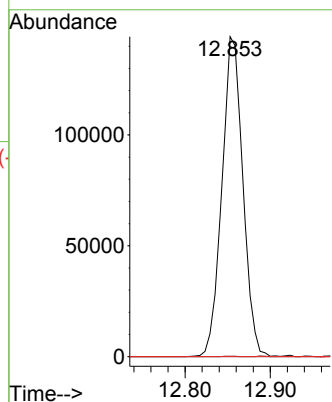
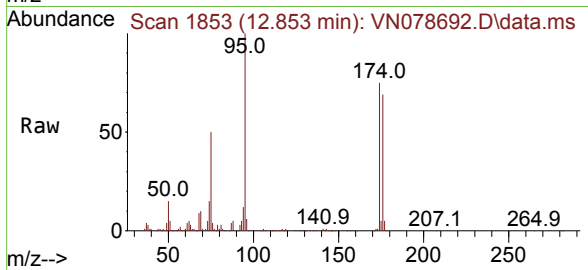




#81
trans-1,4-Dichloro-2-butene
Concen: 70.090 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

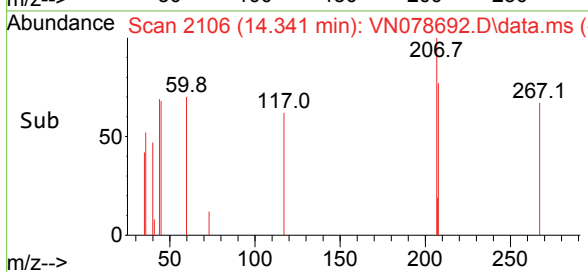
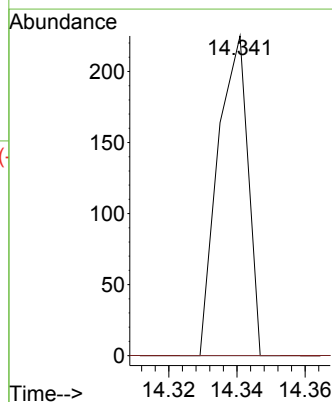
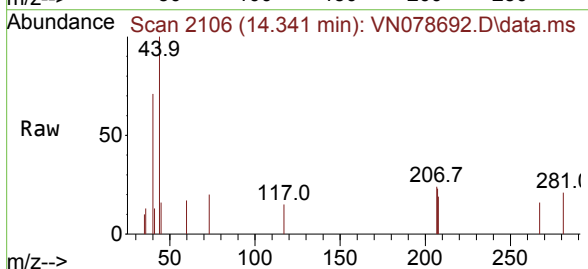
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

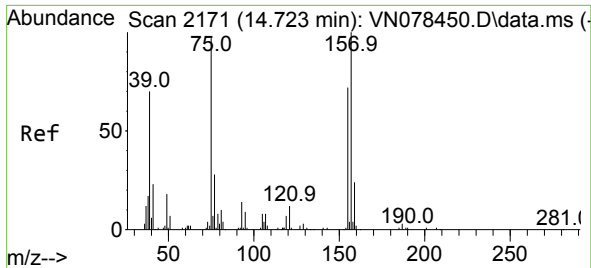
Tgt Ion: 75 Resp: 246700
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078692.D
Acq: 28 Jul 2023 18:06

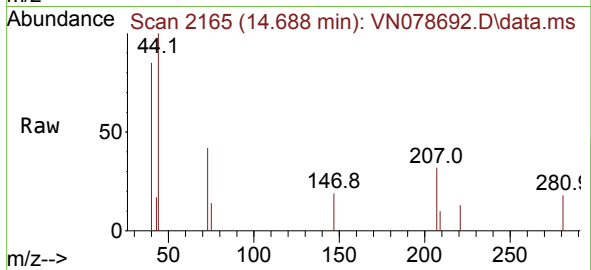
Tgt Ion: 117 Resp: 137
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.688 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: VN078692.D
 Acq: 28 Jul 2023 18:06

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



Tgt Ion: 75 Resp: 86
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

