

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078514.D
 Acq On : 14 Jul 2023 11:56
 Operator : JC\MD
 Sample : 03624-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 15 03:59:23 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)

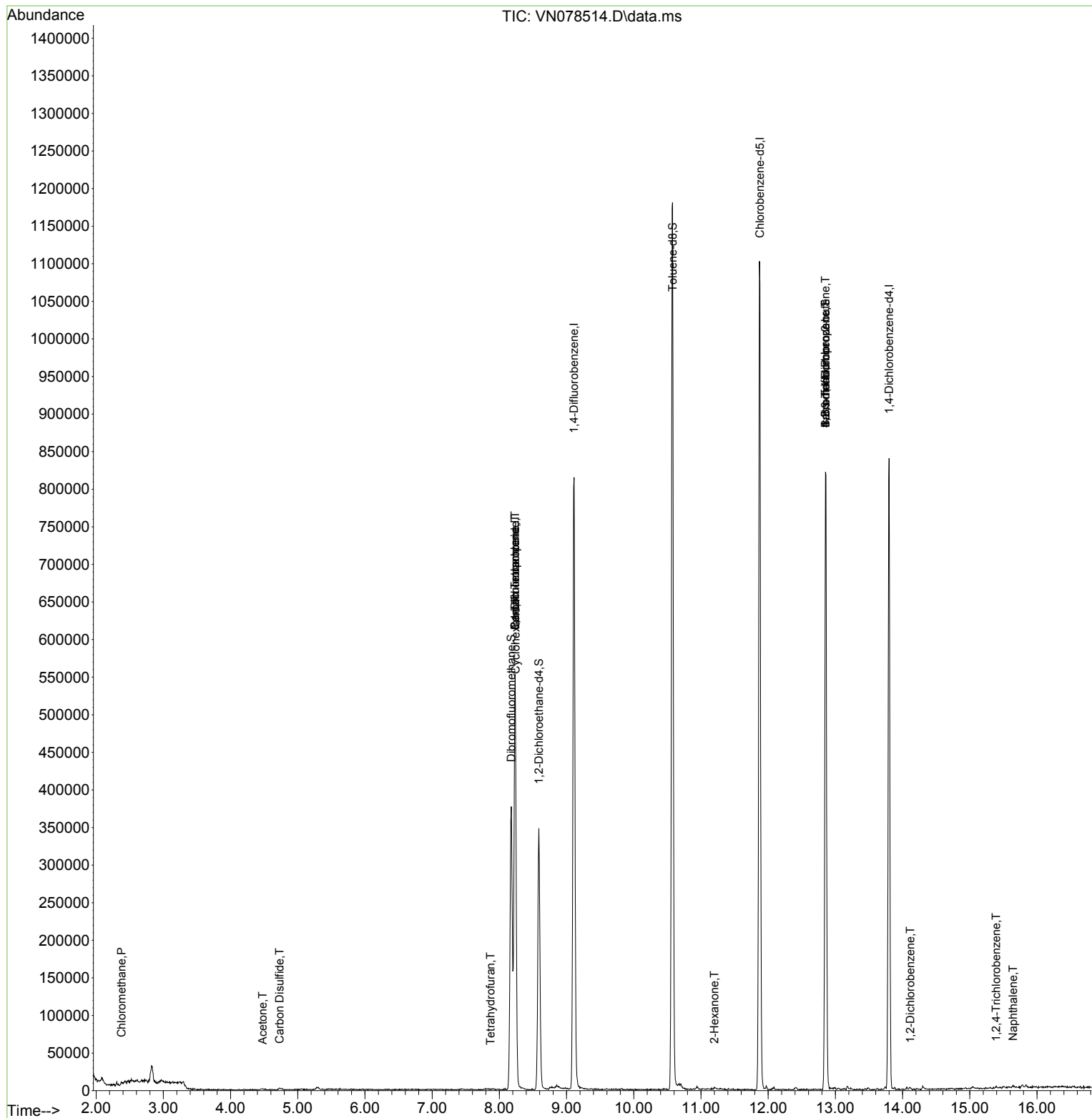
Internal Standards						
1) Pentafluorobenzene	8.235	168	399967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	728085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	686120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	221700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	278847	52.004	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.000%	
35) Dibromofluoromethane	8.177	113	277414	56.129	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.260%	
50) Toluene-d8	10.576	98	861610	46.147	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.300%	
62) 4-Bromofluorobenzene	12.853	95	294794	51.259	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	3054	0.573	ug/l #	66
5) Bromomethane	2.965	94	2525	Below Cal		92
6) Chloroethane	3.118	64	483	Below Cal	#	43
16) Acetone	4.477	43	2721	1.629	ug/l #	40
17) Carbon Disulfide	4.730	76	2859	0.234	ug/l #	84
20) Methylene Chloride	5.288	84	2471	Below Cal	#	71
29) Tetrahydrofuran	7.871	42	526	0.305	ug/l #	30
31) Cyclohexane	8.241	56	9178	1.267	ug/l #	45
36) 1,1-Dichloropropene	8.235	75	33230	4.656	ug/l #	47
38) Carbon Tetrachloride	8.235	117	43581	5.619	ug/l #	16
59) 2-Hexanone	11.200	43	1287	0.311	ug/l	74
71) Bromoform	12.853	173	2101	0.526	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.953	83	436	Below Cal	#	39
76) 1,2,3-Trichloropropane	12.853	75	153375	28.621	ug/l #	1
77) Bromobenzene	12.976	156	204	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	153375	75.212	ug/l #	15
90) Hexachloroethane	14.347	117	140	Below Cal	#	21
91) 1,2-Dichlorobenzene	14.117	146	1699	0.213	ug/l #	51
92) 1,2-Dibromo-3-Chloropr...	14.547	75	71	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	15.394	180	774	0.305	ug/l	97
94) Hexachlorobutadiene	15.488	225	735	Below Cal	#	19
95) Naphthalene	15.647	128	3257	0.375	ug/l #	76

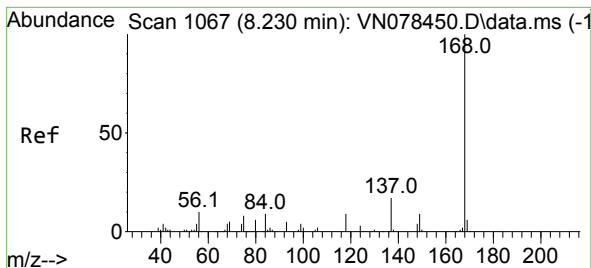
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 10 16:13:53 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

Instrument :

MSVOA_N

ClientSampleId :

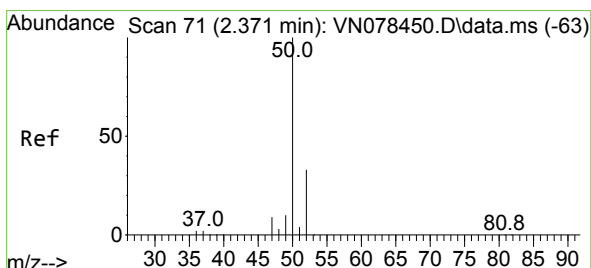
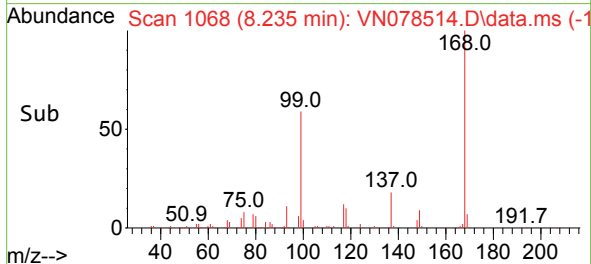
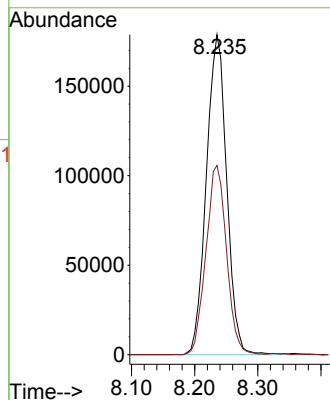
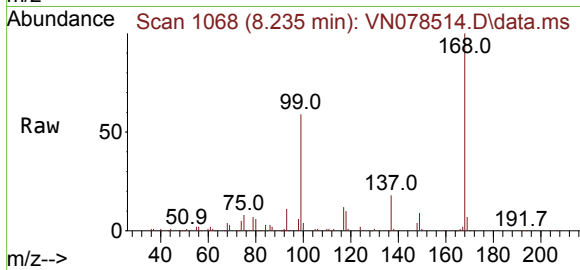
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 399967

Ion Ratio Lower Upper

168 100

99 59.1 53.0 79.6



#3

Chloromethane

Concen: 0.573 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078514.D

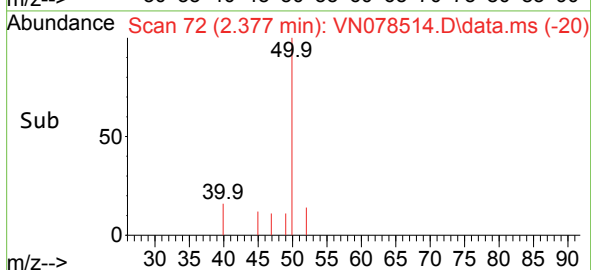
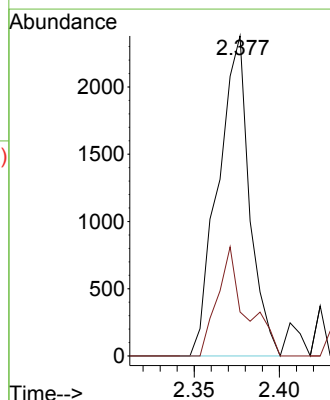
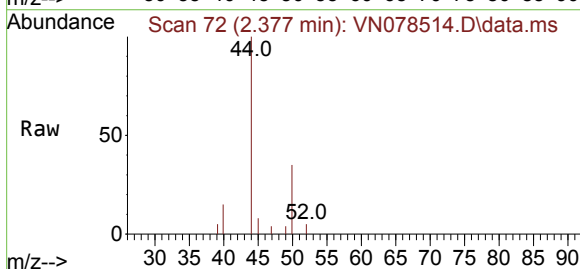
Acq: 14 Jul 2023 11:56

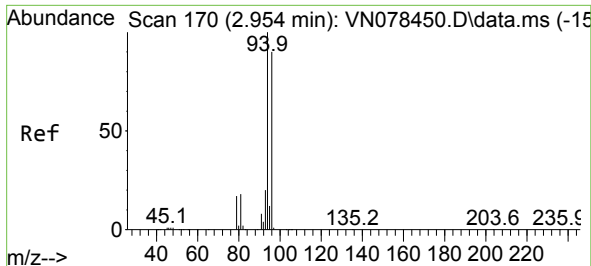
Tgt Ion: 50 Resp: 3054

Ion Ratio Lower Upper

50 100

52 13.8 26.5 39.7#

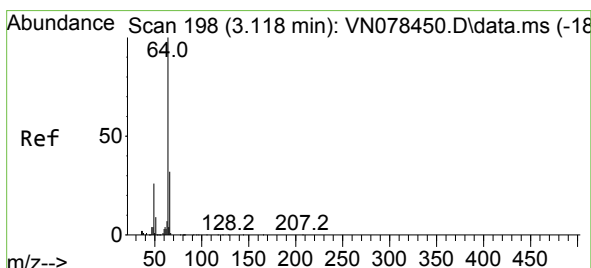
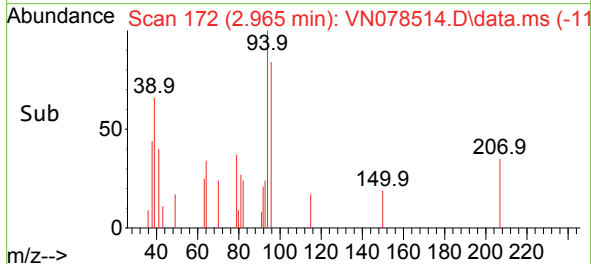
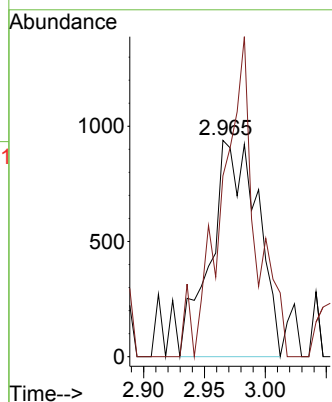
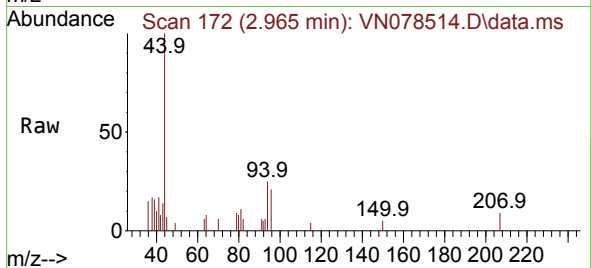




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 170
Delta R.T. 0.011 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

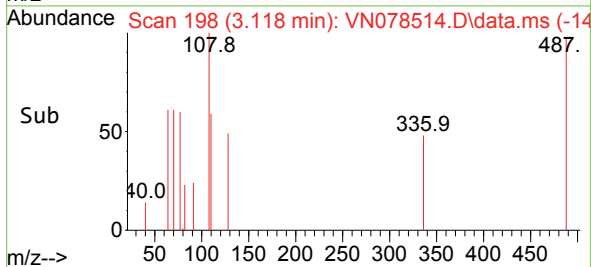
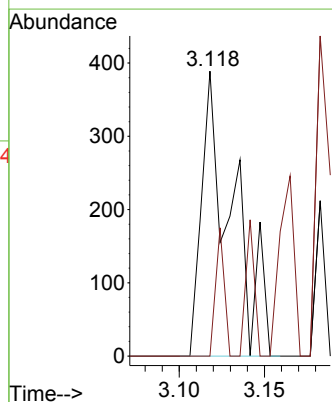
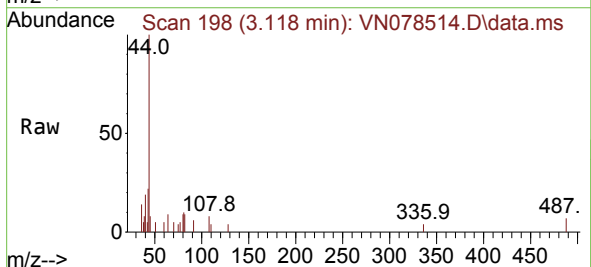
Instrument :
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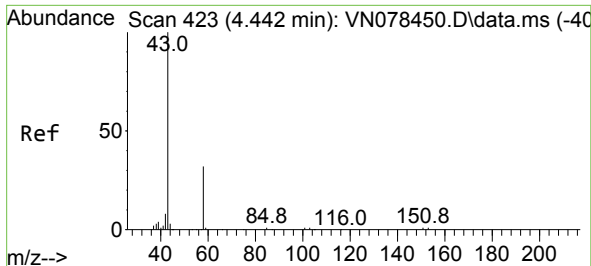
Tgt Ion: 94 Resp: 2525
Ion Ratio Lower Upper
94 100
96 83.6 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

Tgt Ion: 64 Resp: 483
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

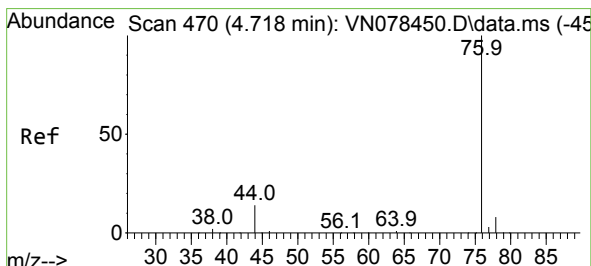
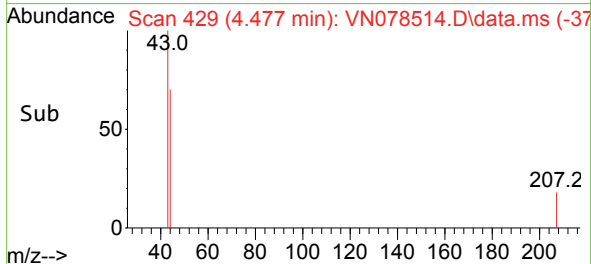
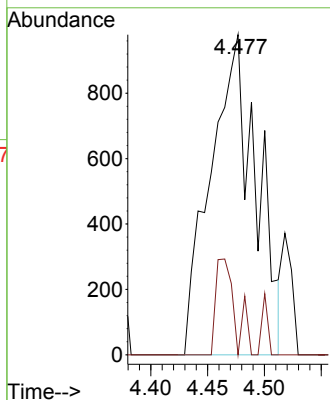
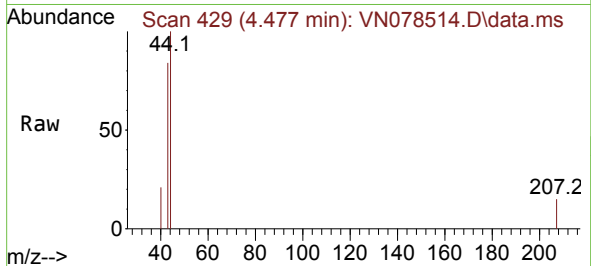




#16
Acetone
Concen: 1.629 ug/l
RT: 4.477 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

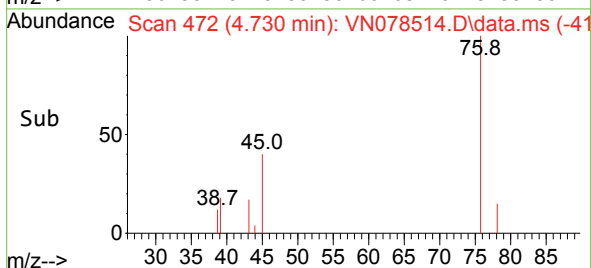
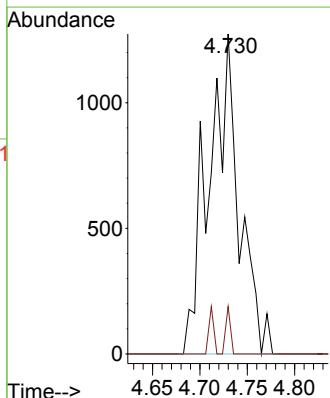
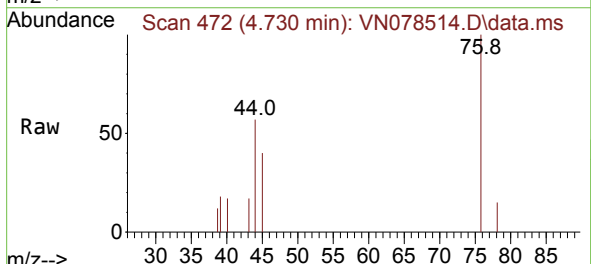
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

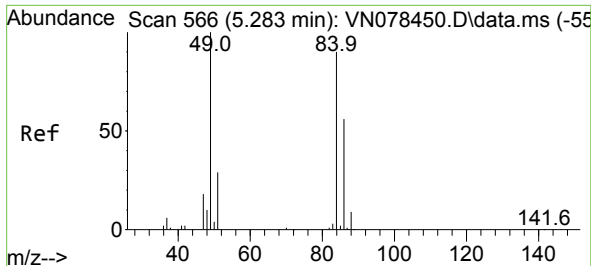
Tgt Ion: 43 Resp: 2721
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.012 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

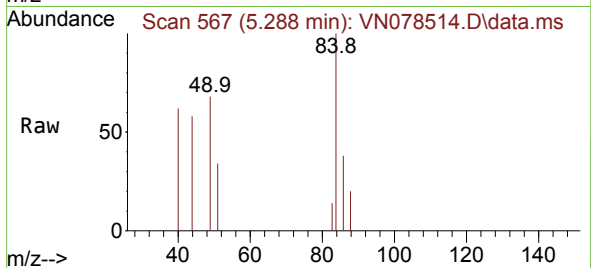
Tgt Ion: 76 Resp: 2859
Ion Ratio Lower Upper
76 100
78 14.8 7.4 11.0#





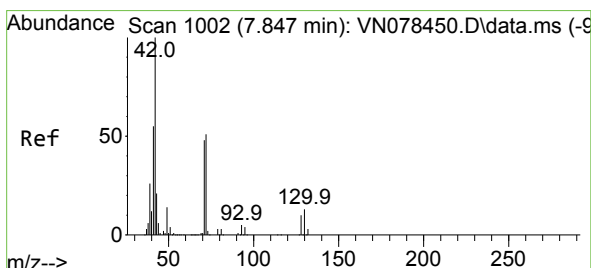
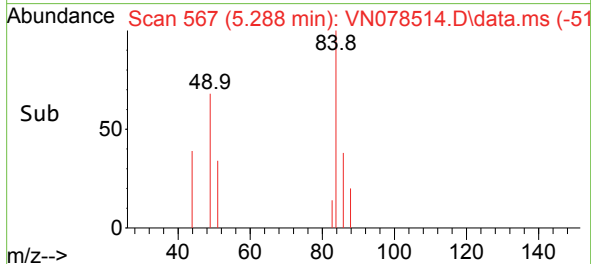
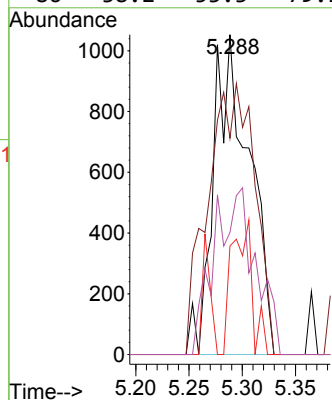
#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 50
Delta R.T. 0.005 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

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



Tgt Ion: 84 Resp: 2471

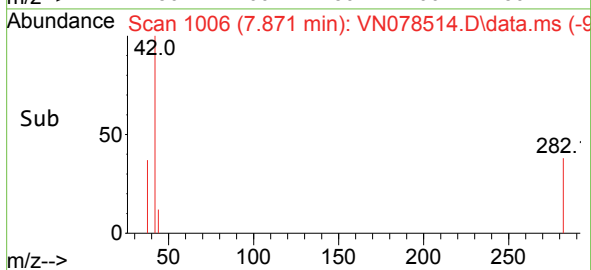
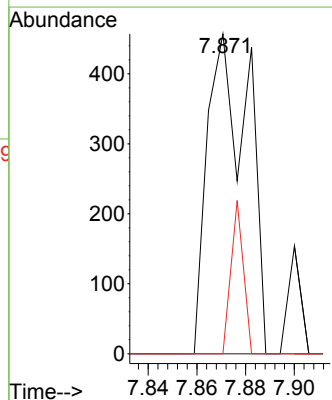
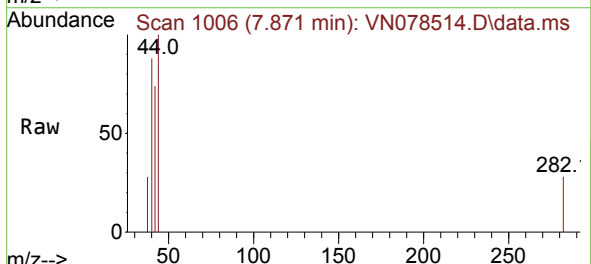
Ion	Ratio	Lower	Upper
84	100		
49	67.6	79.7	119.5#
51	33.9	25.2	37.8
86	38.2	53.3	79.9#

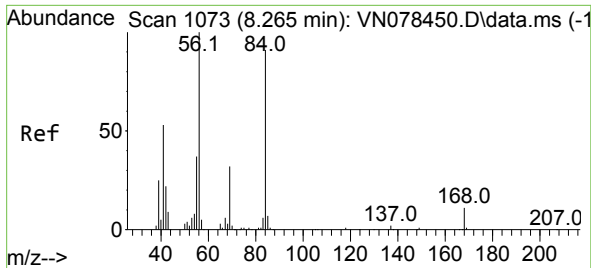


#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.024 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

Tgt Ion: 42 Resp: 526

Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	14.6	47.4	71.2#

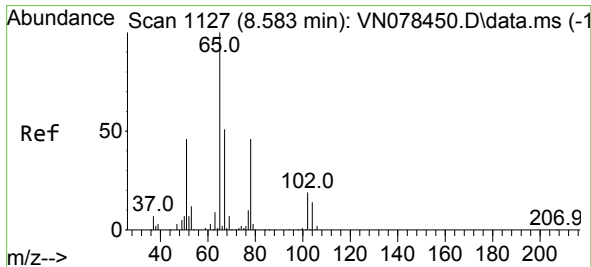
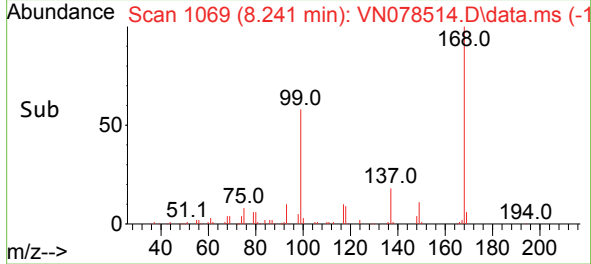
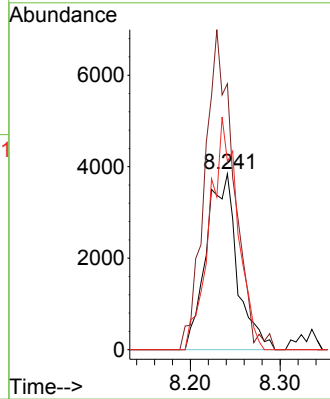
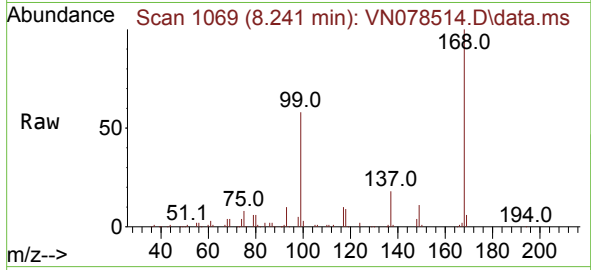




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

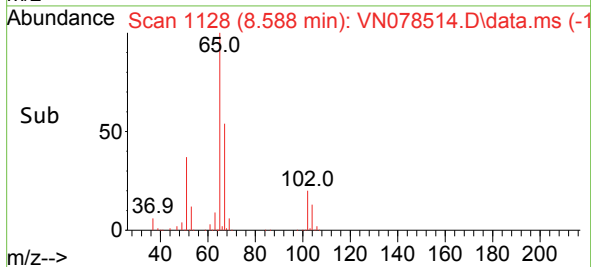
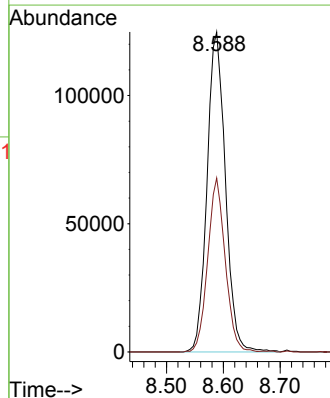
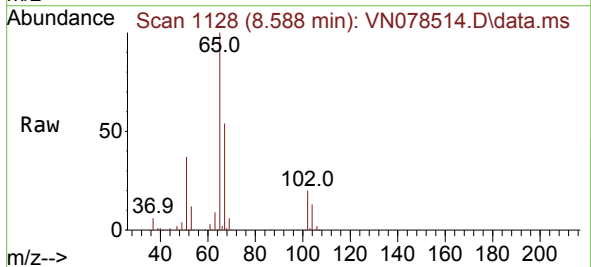
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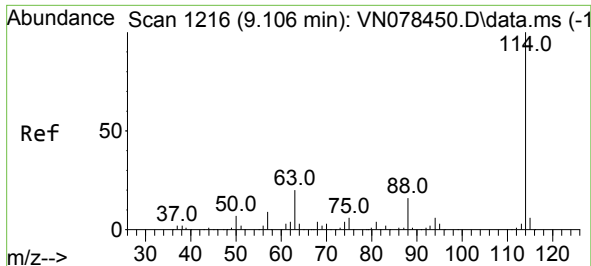
Tgt Ion: 56 Resp: 9178
Ion Ratio Lower Upper
56 100
69 151.2 26.8 40.2#
84 107.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.004 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

Tgt Ion: 65 Resp: 278847
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6

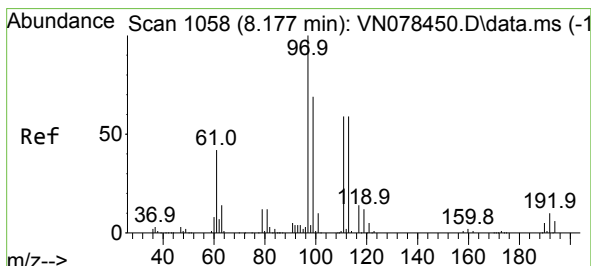
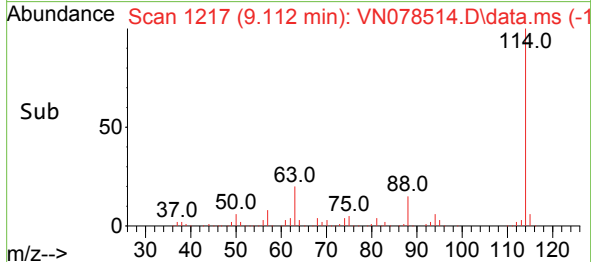
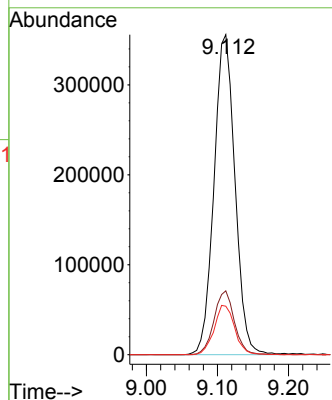
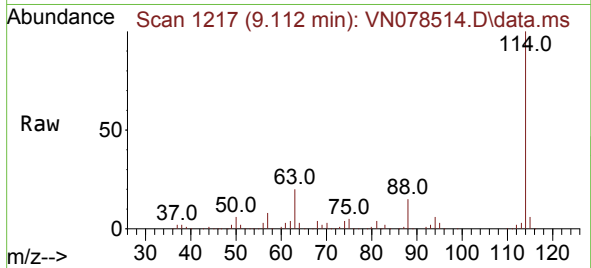




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

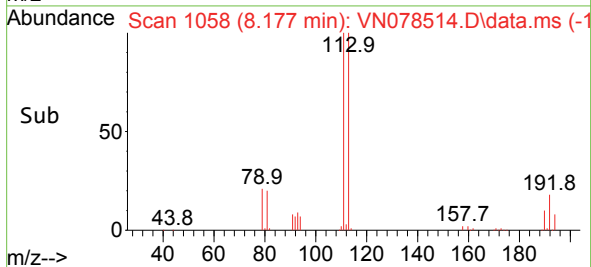
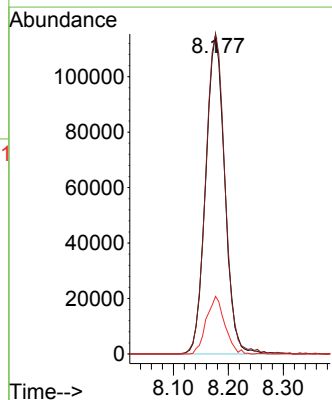
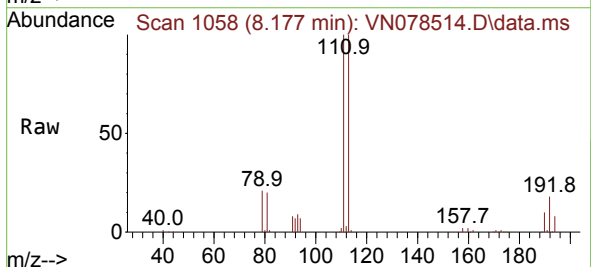
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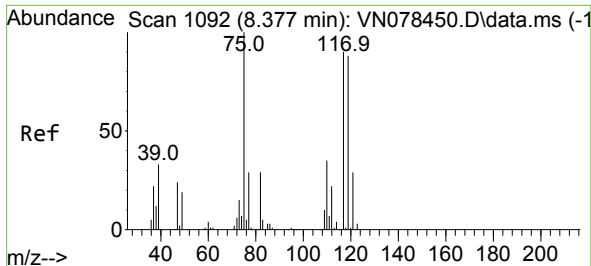
Tgt Ion:114 Resp: 728085
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.129 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

Tgt Ion:113 Resp: 277414
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 17.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN078514.D

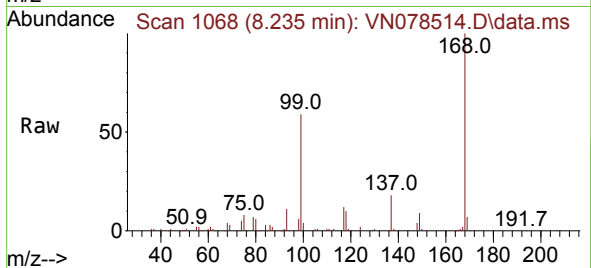
Acq: 14 Jul 2023 11:56

Instrument :

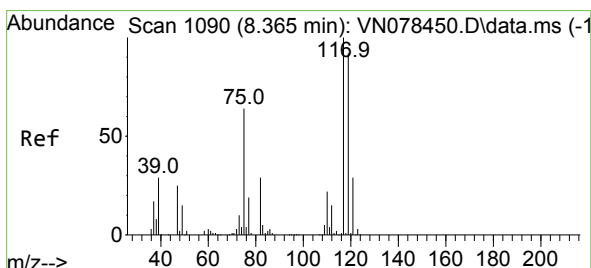
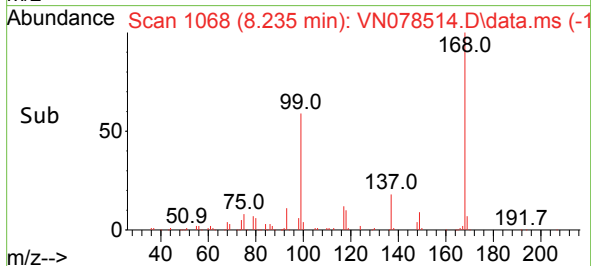
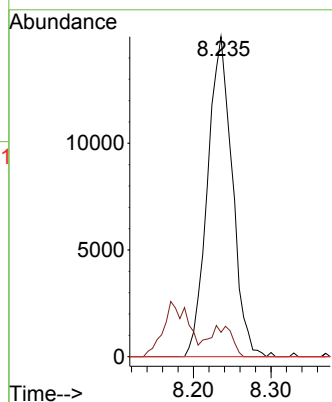
MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion:	75	Resp:	33230
Ion Ratio	Lower	Upper	
75	100		
110	8.3	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.619 ug/l

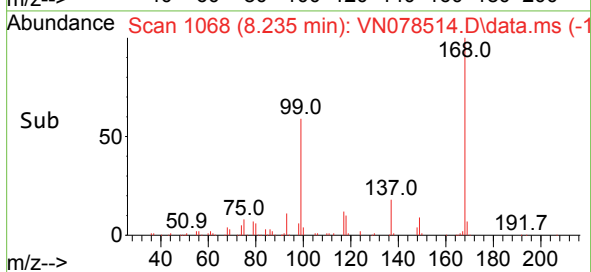
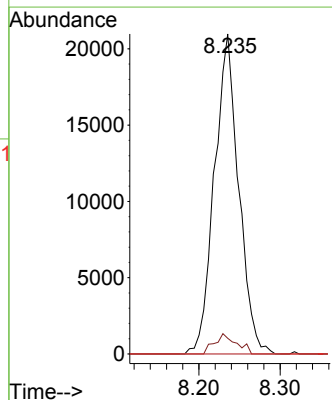
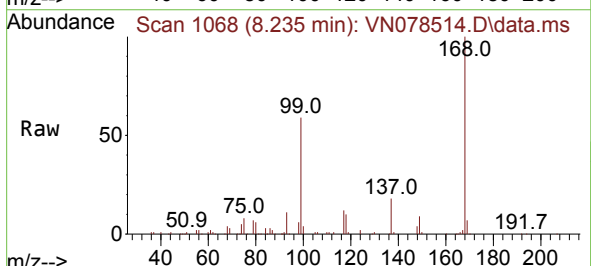
RT: 8.235 min Scan# 1068

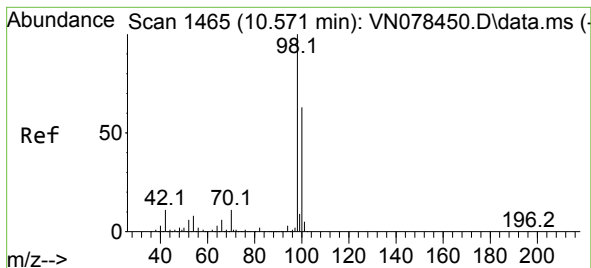
Delta R.T. -0.130 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

Tgt Ion:	117	Resp:	43581
Ion Ratio	Lower	Upper	
117	100		
119	4.9	77.3	115.9#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 46.147 ug/l

RT: 10.576 min Scan# 1465

Delta R.T. 0.005 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

Instrument :

MSVOA_N

ClientSampleId :

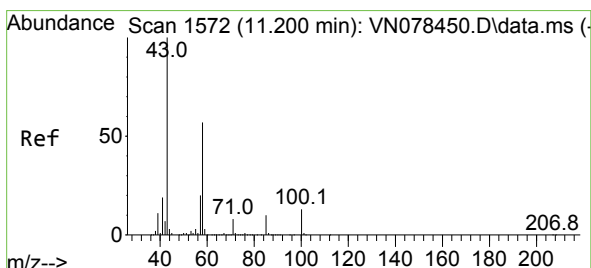
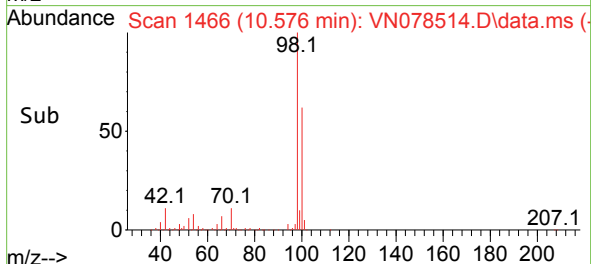
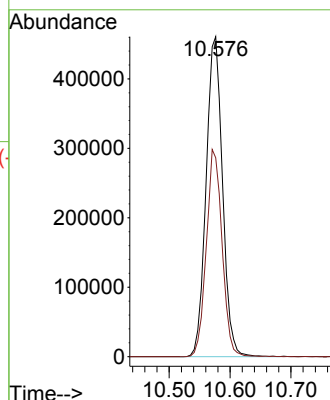
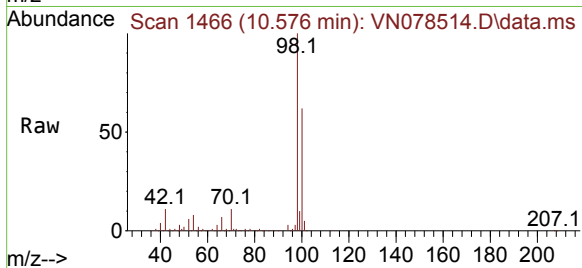
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 98 Resp: 861610

Ion Ratio Lower Upper

98 100

100 62.3 52.0 78.0



#59

2-Hexanone

Concen: 0.311 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. -0.000 min

Lab File: VN078514.D

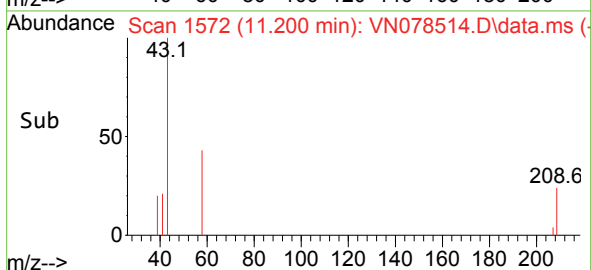
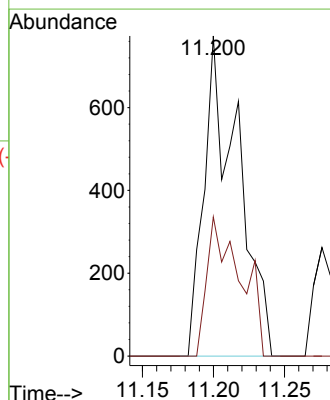
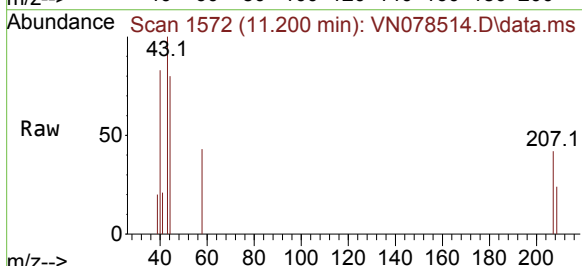
Acq: 14 Jul 2023 11:56

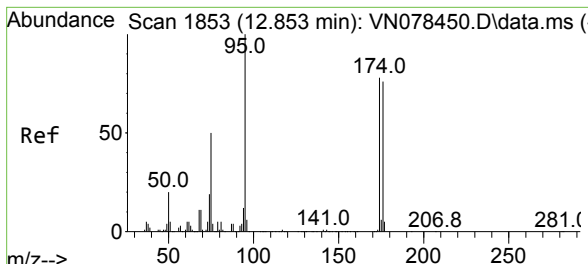
Tgt Ion: 43 Resp: 1287

Ion Ratio Lower Upper

43 100

58 42.8 31.7 95.1

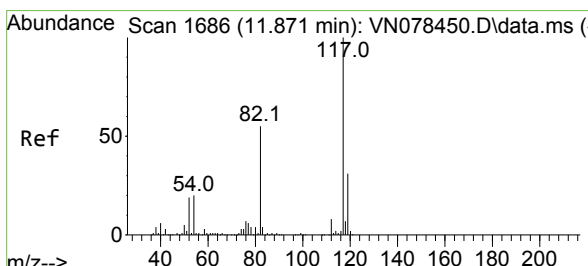
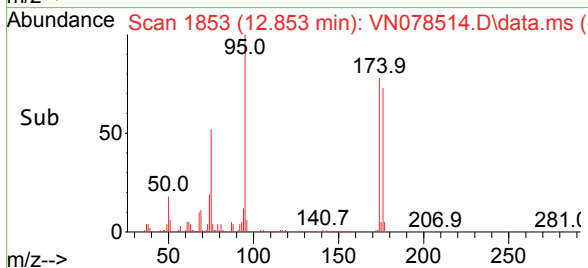
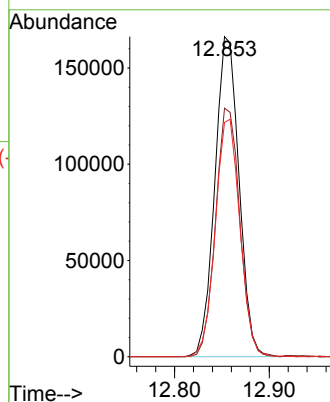
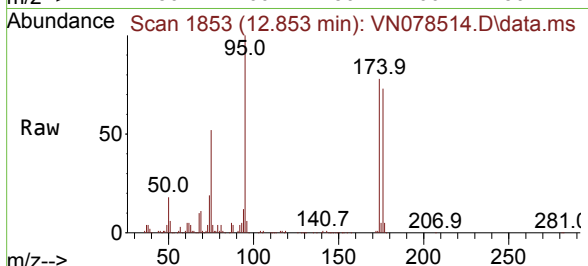




#62
4-Bromofluorobenzene
Concen: 51.259 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

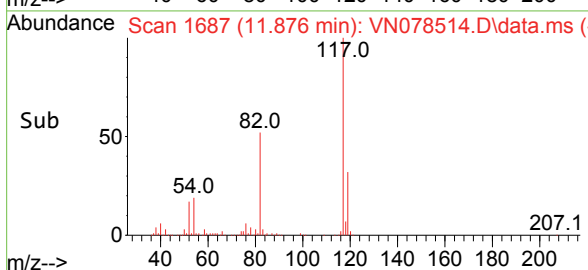
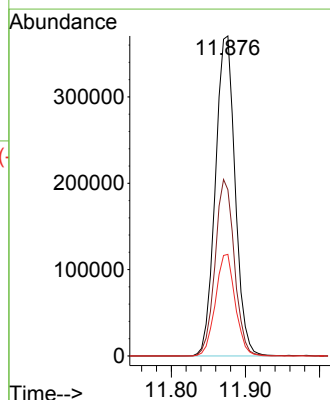
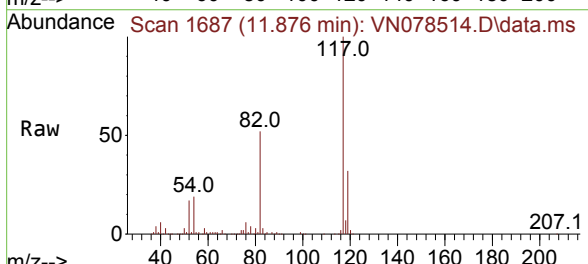
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

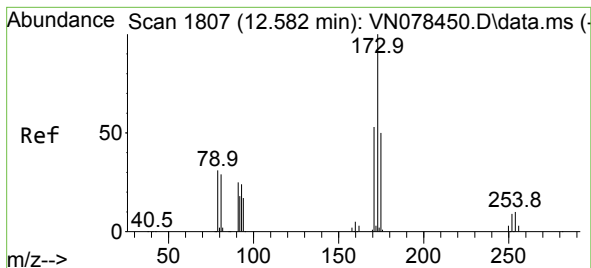
Tgt Ion:	95	Resp:	294794
Ion Ratio	Lower	Upper	
95	100		
174	77.9	0.0	143.8
176	75.4	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.005 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

Tgt Ion:	117	Resp:	686120
Ion Ratio	Lower	Upper	
117	100		
82	52.0	44.0	66.0
119	31.8	25.6	38.4





#71

Bromoform

Concen: 0.526 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

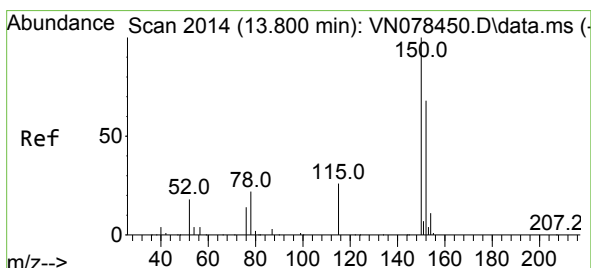
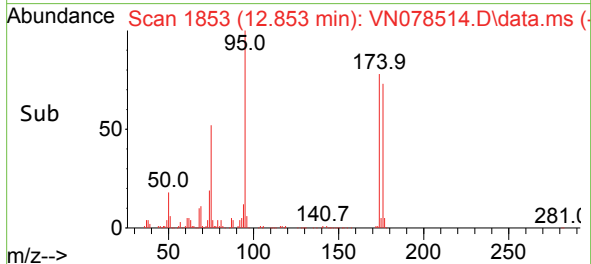
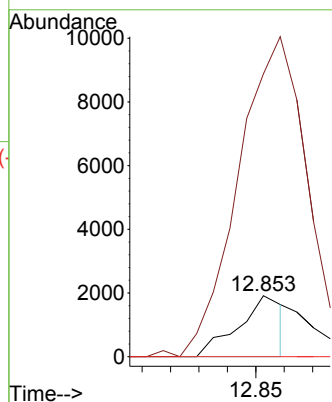
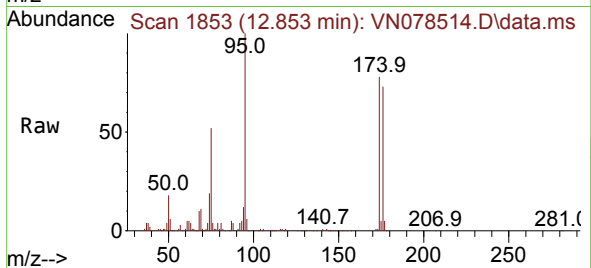
Tgt Ion:173 Resp: 2101

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# 2014

Delta R.T. -0.000 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

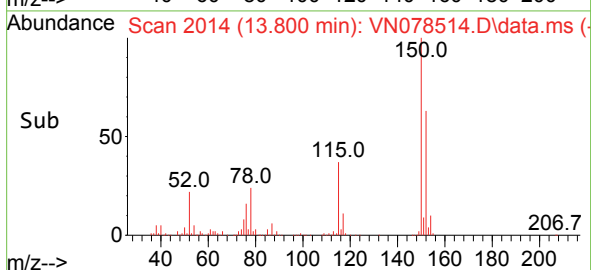
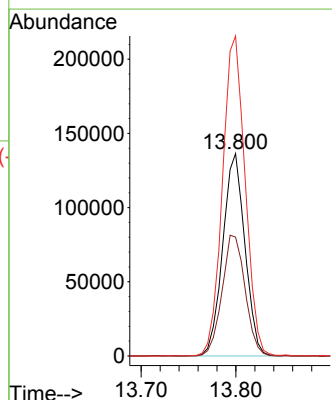
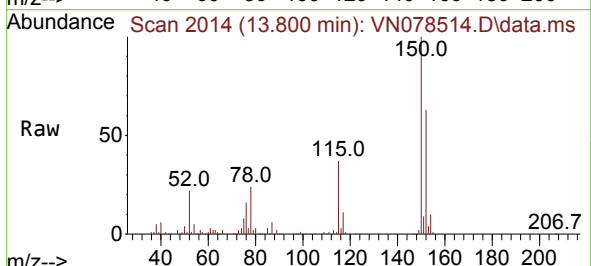
Tgt Ion:152 Resp: 221700

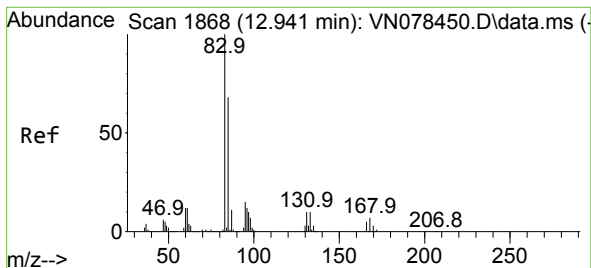
Ion Ratio Lower Upper

152 100

115 62.1 32.3 96.8

150 161.5 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.953 min Scan# 1853

Delta R.T. 0.012 min

Lab File: VN078514.D

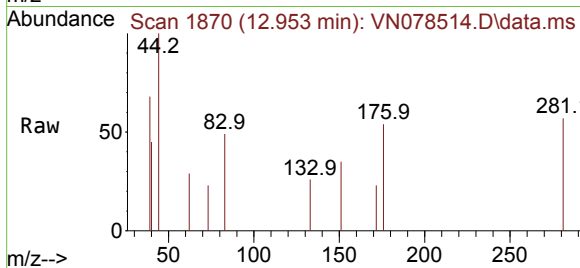
Acq: 14 Jul 2023 11:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



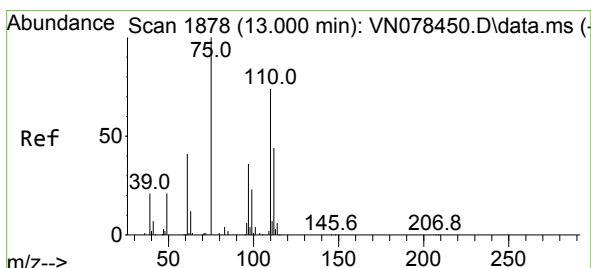
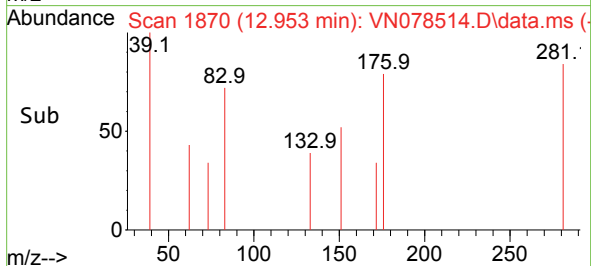
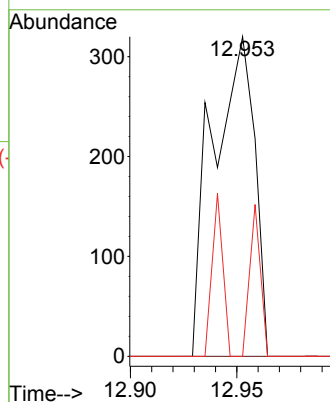
Tgt Ion: 83 Resp: 436

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 12.4 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 28.621 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078514.D

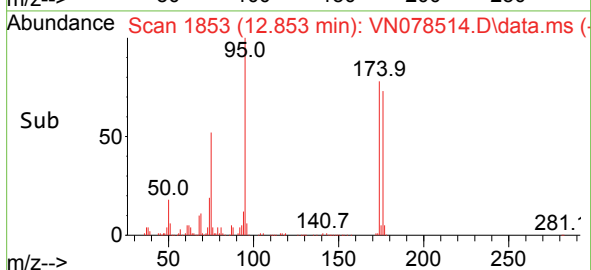
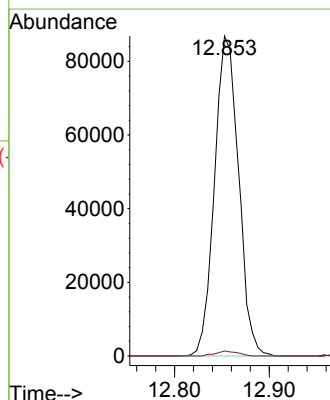
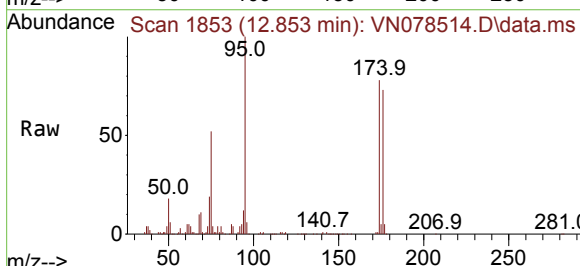
Acq: 14 Jul 2023 11:56

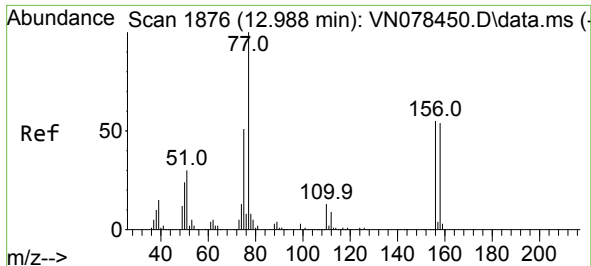
Tgt Ion: 75 Resp: 153375

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#

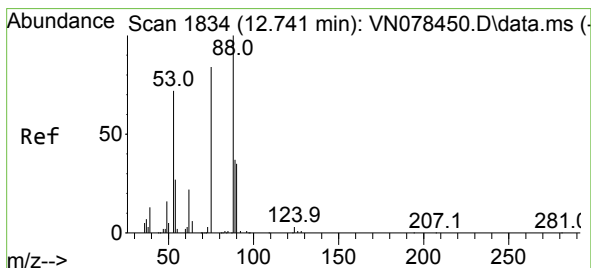
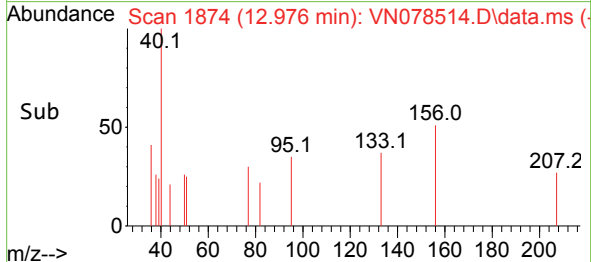
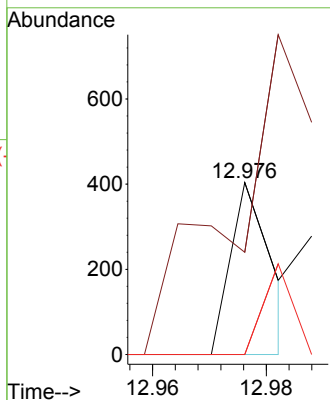
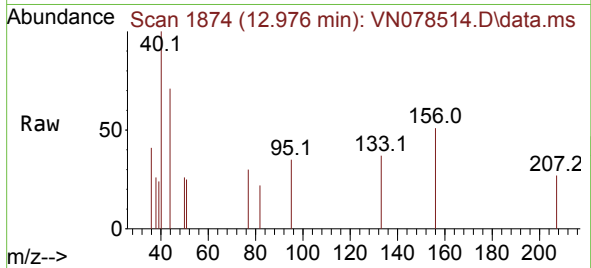




#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

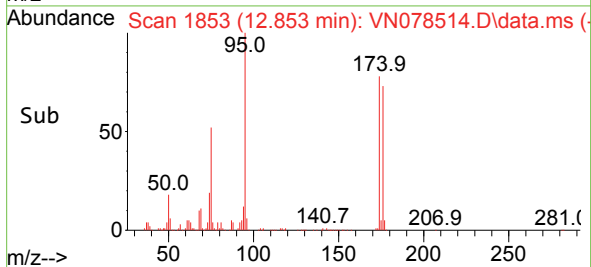
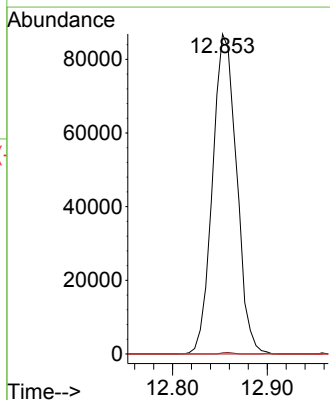
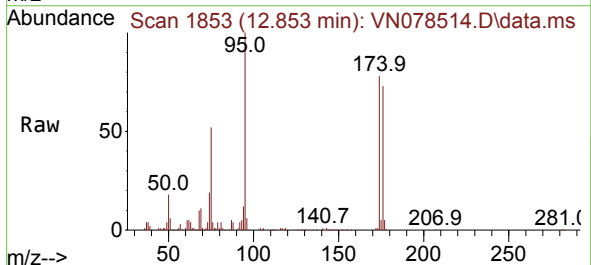
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

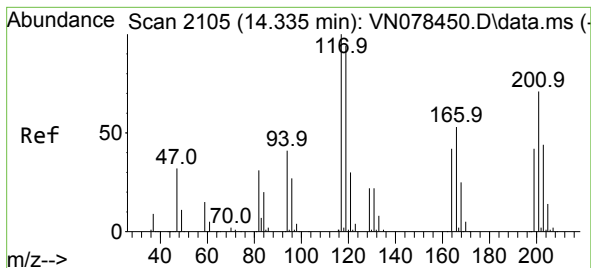
Tgt Ion:156 Resp: 204
Ion Ratio Lower Upper
156 100
77 461.3 107.7 323.3#
158 0.0 48.4 145.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.212 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

Tgt Ion: 75 Resp: 153375
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.347 min Scan# 2105

Delta R.T. 0.012 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

Instrument :

MSVOA_N

ClientSampleId :

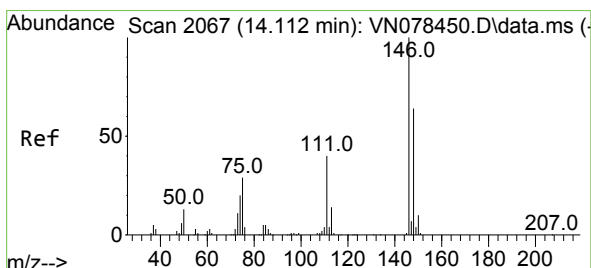
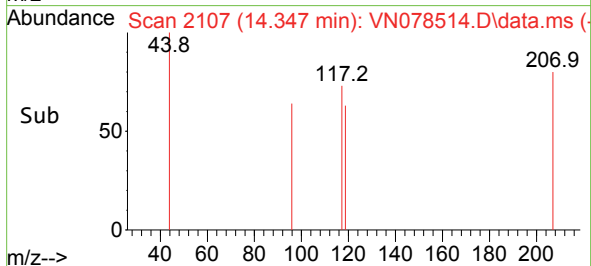
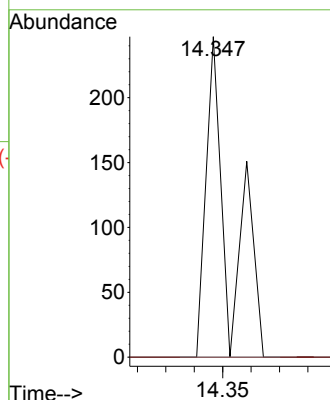
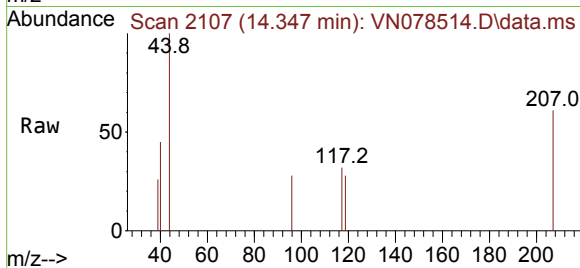
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 140

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#91

1,2-Dichlorobenzene

Concen: 0.213 ug/l

RT: 14.117 min Scan# 2068

Delta R.T. 0.005 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

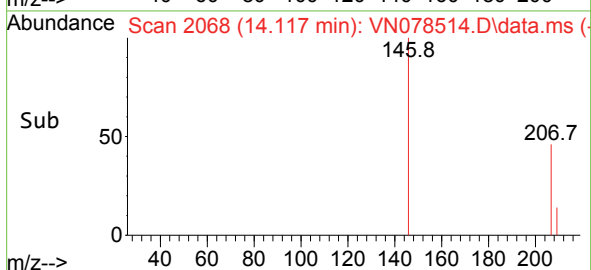
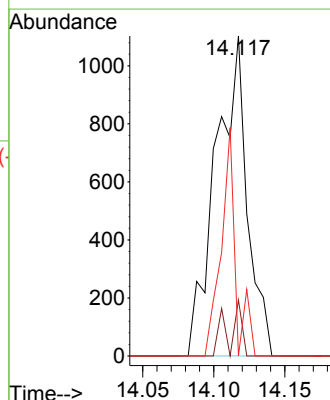
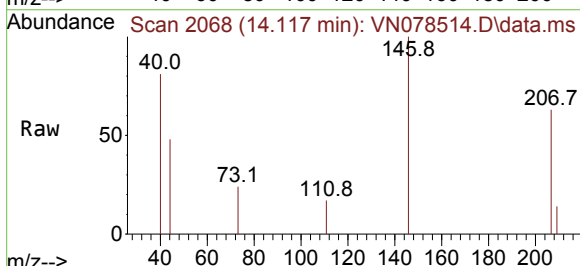
Tgt Ion:146 Resp: 1699

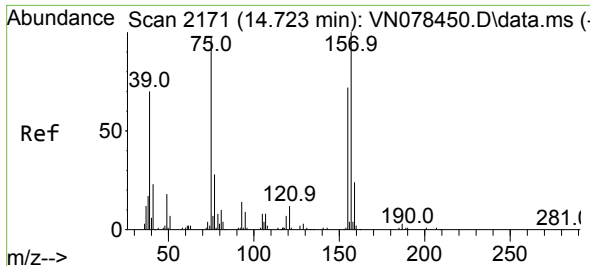
Ion Ratio Lower Upper

146 100

111 3.4 22.0 66.0#

148 32.5 31.8 95.3

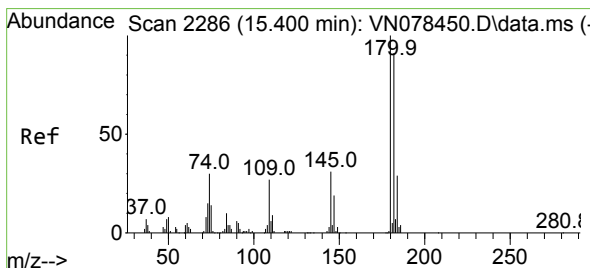
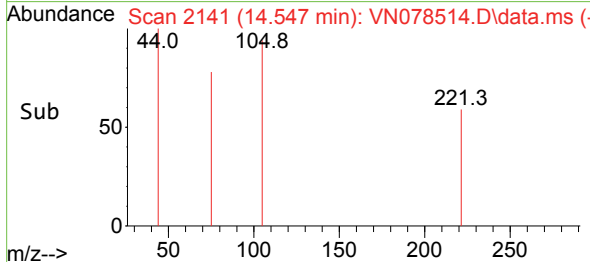
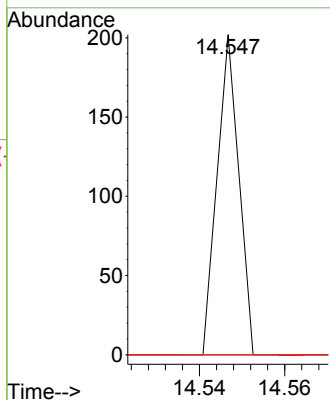
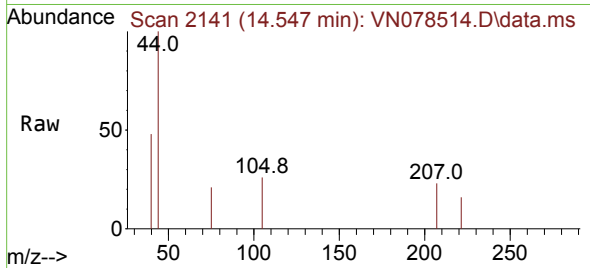




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.547 min Scan# 2171
Delta R.T. -0.176 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

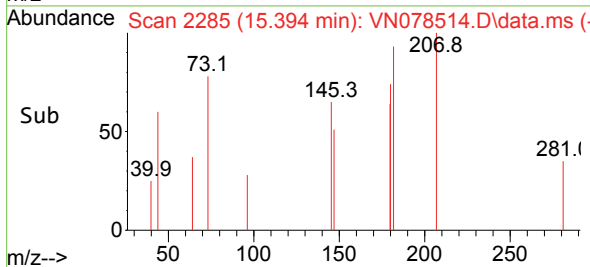
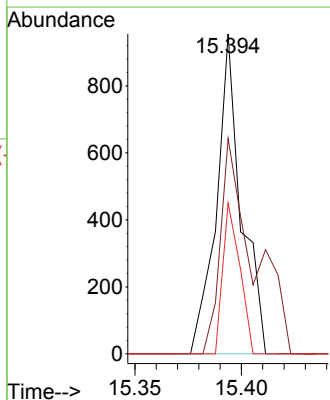
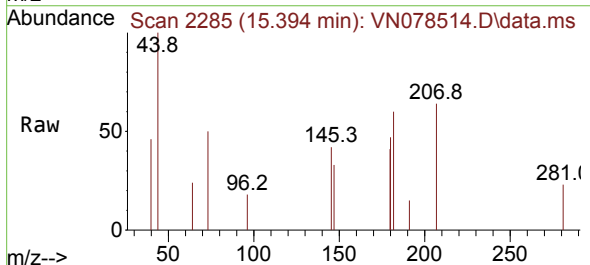
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

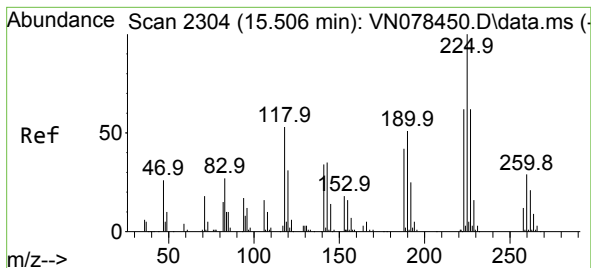
Tgt Ion: 75 Resp: 71
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.305 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078514.D
Acq: 14 Jul 2023 11:56

Tgt Ion: 180 Resp: 774
Ion Ratio Lower Upper
180 100
182 89.3 46.1 138.2
145 32.0 16.6 49.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.488 min Scan# 21

Delta R.T. -0.018 min

Lab File: VN078514.D

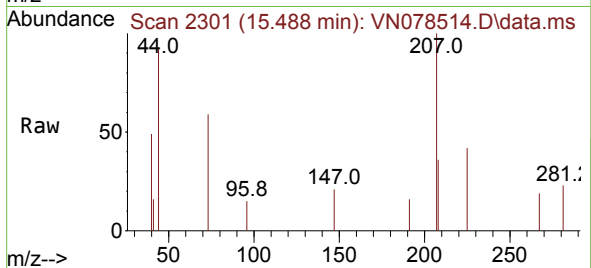
Acq: 14 Jul 2023 11:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



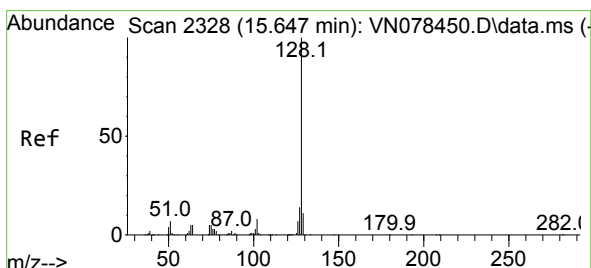
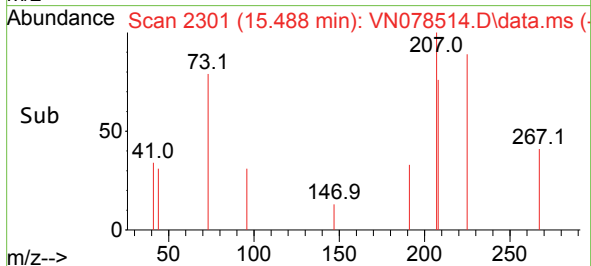
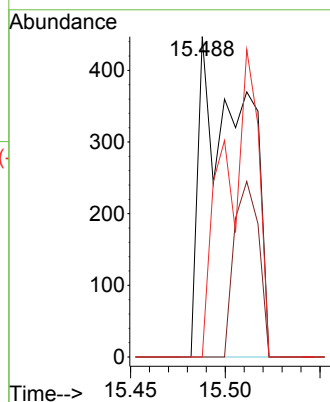
Tgt Ion:225 Resp: 735

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 0.0 31.9 95.9#



#95

Naphthalene

Concen: 0.375 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078514.D

Acq: 14 Jul 2023 11:56

Tgt Ion:128 Resp: 3257

Ion Ratio Lower Upper

128 100

127 3.3 10.0 15.0#

129 1.7 8.7 13.1#

