

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012723\
 Data File : VN076434.D
 Acq On : 27 Jan 2023 12:59
 Operator : JC\MD
 Sample : 01332-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jan 27 22:36:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	408138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	670362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	568495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218700	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	237964	52.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.140%
35) Dibromofluoromethane	8.171	113	206153	49.161	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.320%
50) Toluene-d8	10.571	98	764899	49.391	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.780%
62) 4-Bromofluorobenzene	12.847	95	232944	46.076	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.160%

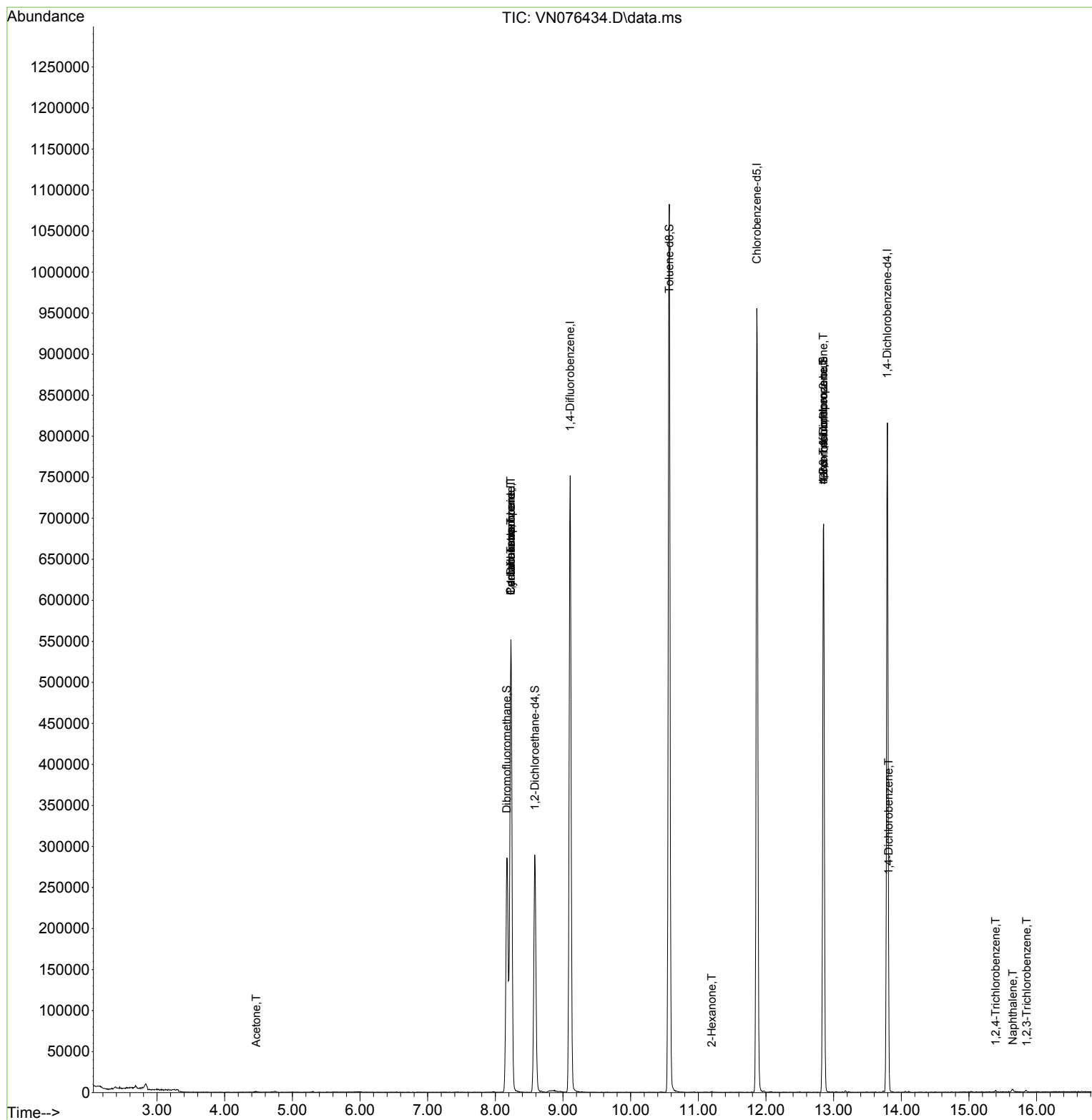
Target Compounds					Qvalue	
16) Acetone	4.465	43	1265	0.790	ug/l #	85
20) Methylene Chloride	5.306	84	624	Below Cal	#	77
31) Cyclohexane	8.230	56	8942	1.274	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	30477	5.115	ug/l #	49
38) Carbon Tetrachloride	8.230	117	42620	6.414	ug/l #	17
59) 2-Hexanone	11.200	43	707	0.214	ug/l	83
71) Bromoform	12.853	173	1530	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	124297	30.834	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	124297	94.563	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	1080	0.243	ug/l #	21
93) 1,2,4-Trichlorobenzene	15.394	180	868	1.525	ug/l #	75
95) Naphthalene	15.647	128	3979	2.176	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.853	180	556	1.302	ug/l #	13

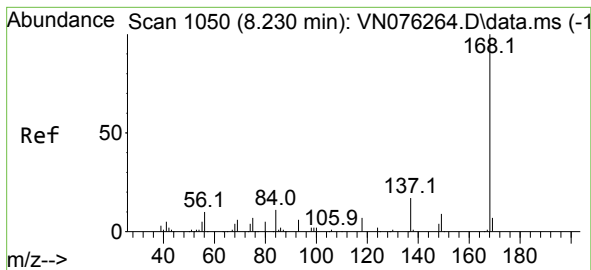
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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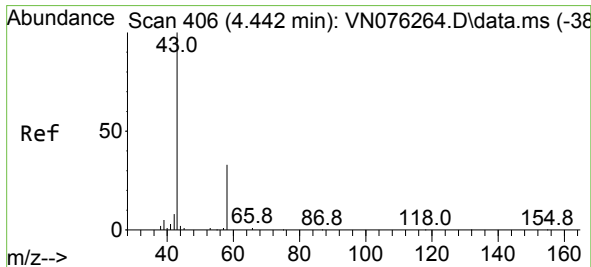
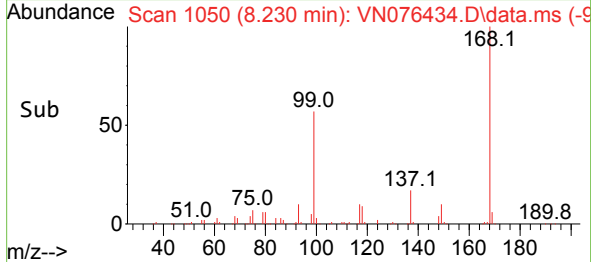
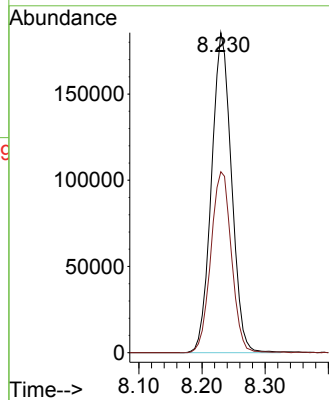
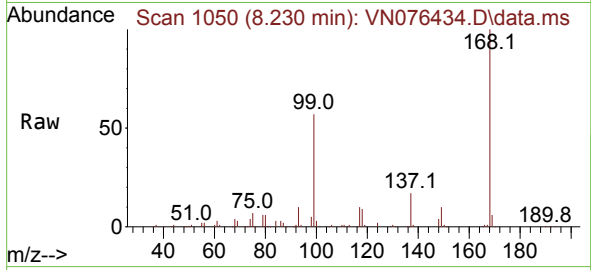




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

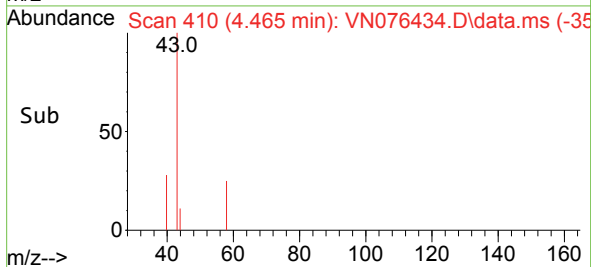
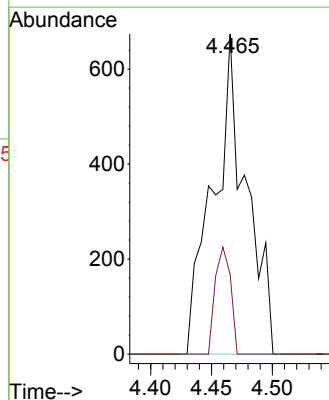
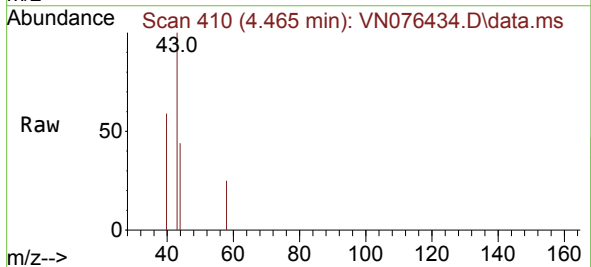
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

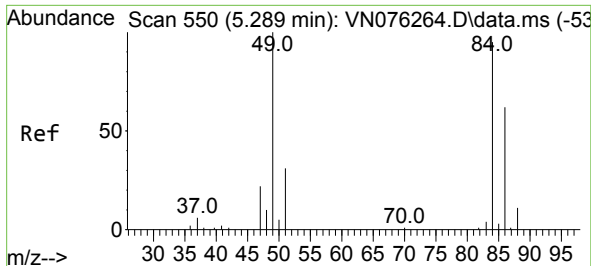
Tgt Ion:168 Resp: 408138
Ion Ratio Lower Upper
168 100
99 56.5 41.6 62.4



#16
Acetone
Concen: 0.790 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 24.9 26.7 40.1#

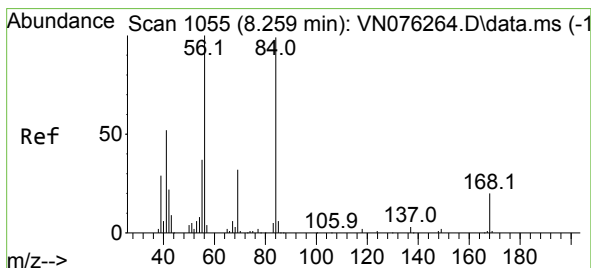
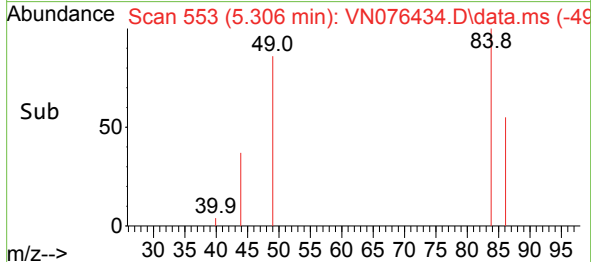
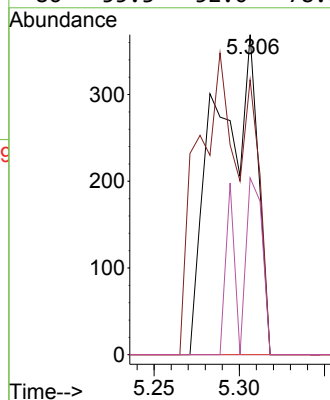
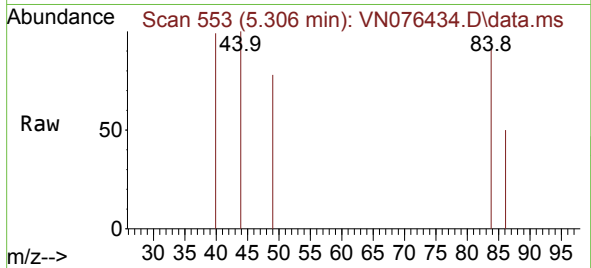




#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

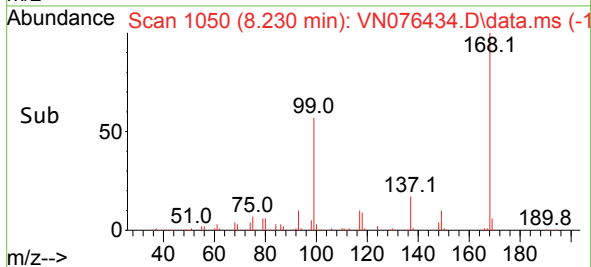
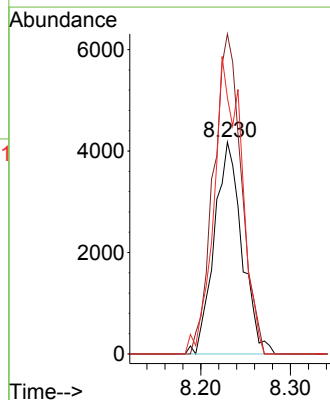
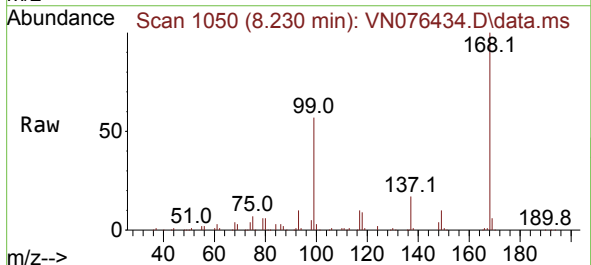
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

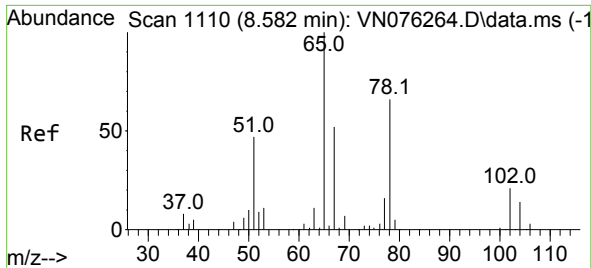
Tgt Ion: 84	Resp: 624
Ion Ratio	Lower Upper
84 100	
49 85.9	84.5 126.7
51 0.0	26.0 39.0#
86 55.3	52.0 78.0



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

Tgt Ion: 56	Resp: 8942
Ion Ratio	Lower Upper
56 100	
69 151.1	25.8 38.8#
84 121.0	79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 52.073 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076434.D

Acq: 27 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

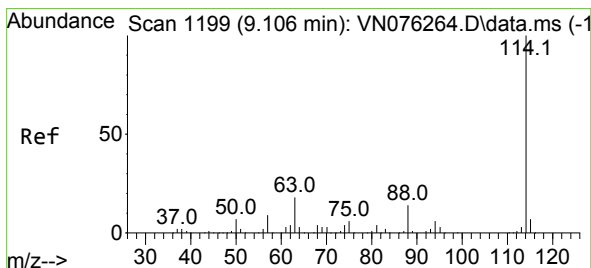
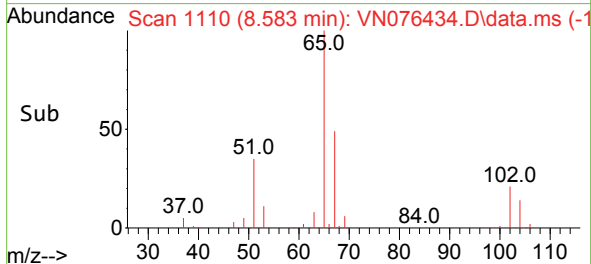
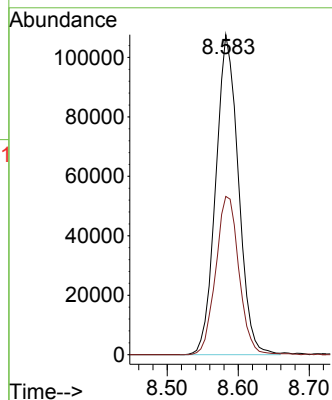
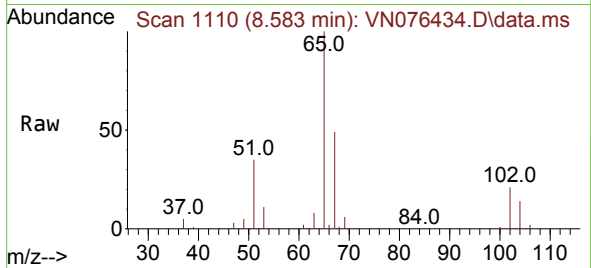
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 237964

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076434.D

Acq: 27 Jan 2023 12:59

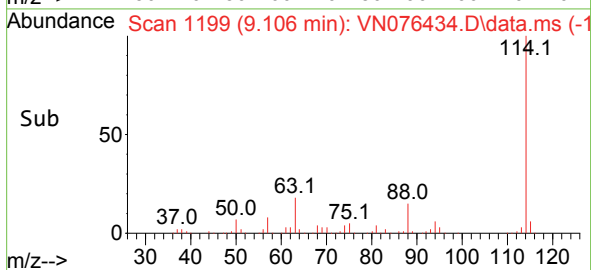
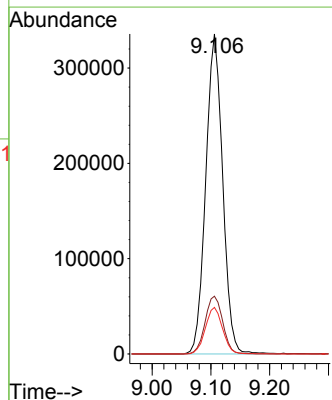
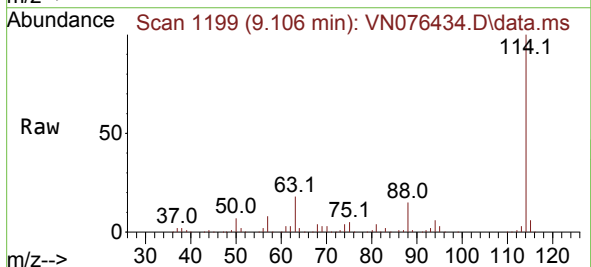
Tgt Ion: 114 Resp: 670362

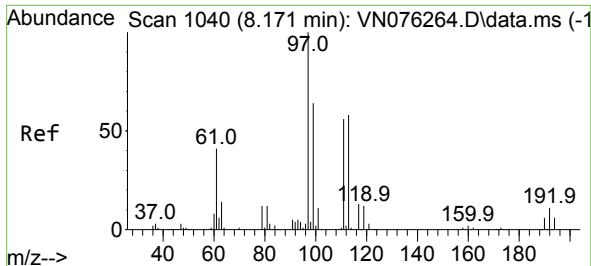
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.8

88 14.6 0.0 28.0





#35

Dibromofluoromethane

Concen: 49.161 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076434.D

Acq: 27 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

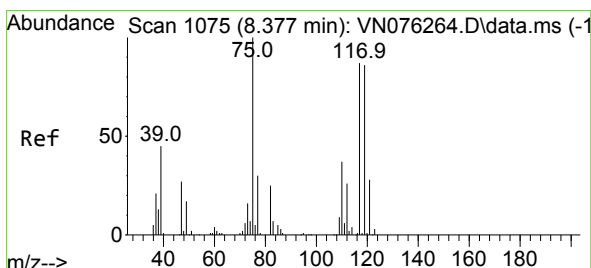
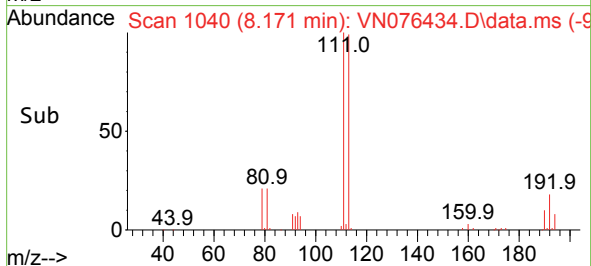
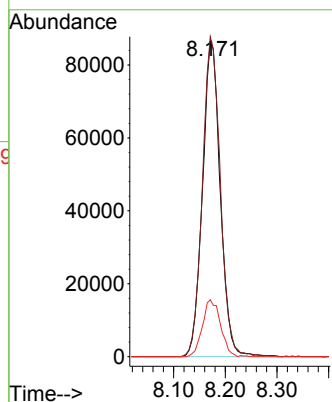
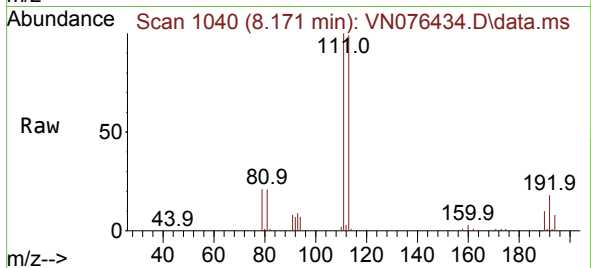
Tgt Ion:113 Resp: 206153

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

192 18.4 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.115 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076434.D

Acq: 27 Jan 2023 12:59

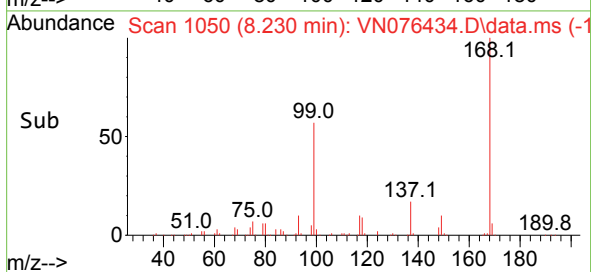
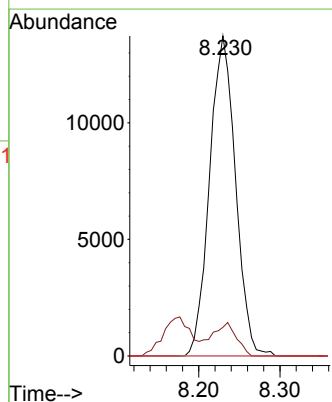
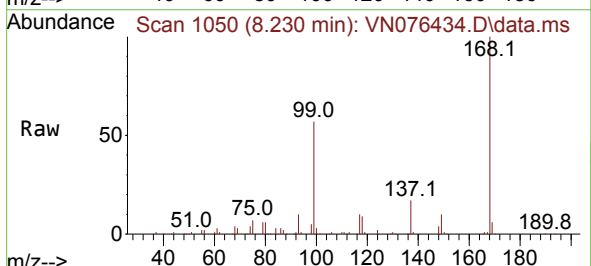
Tgt Ion: 75 Resp: 30477

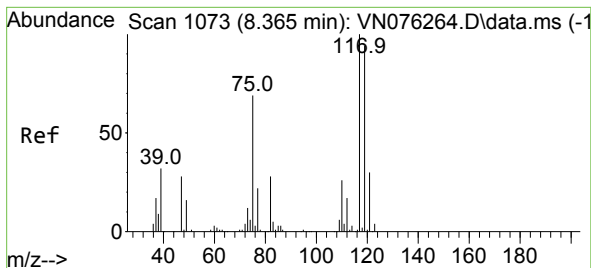
Ion Ratio Lower Upper

75 100

110 10.0 18.8 56.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.414 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076434.D

Acq: 27 Jan 2023 12:59

Instrument :

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STORAGE-BLANK-SOIL-REF-6

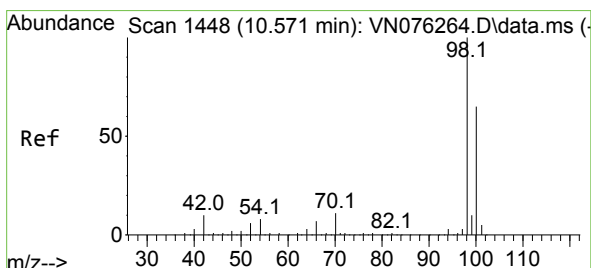
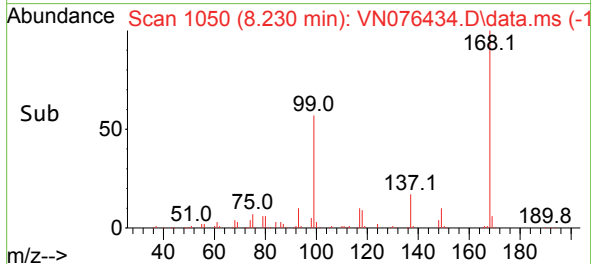
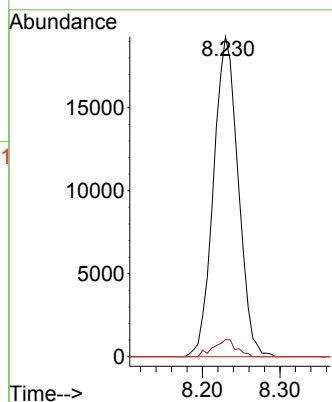
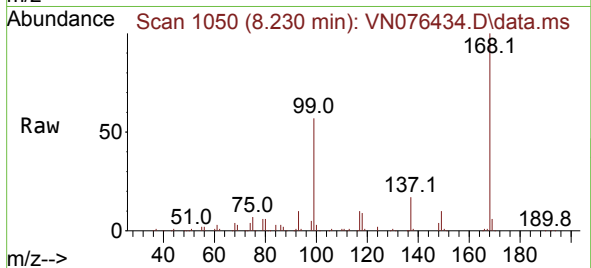
Tgt Ion:117 Resp: 42620

Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.391 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076434.D

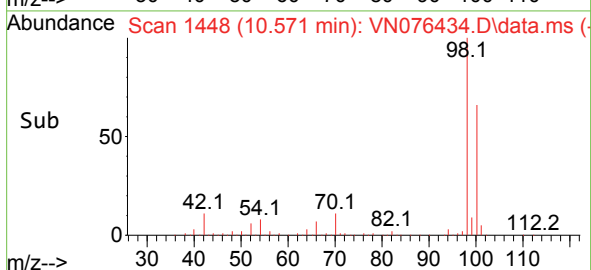
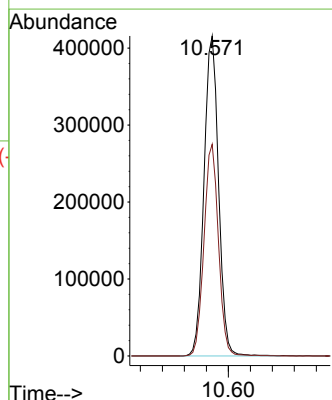
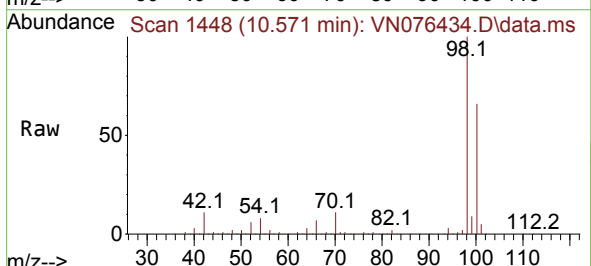
Acq: 27 Jan 2023 12:59

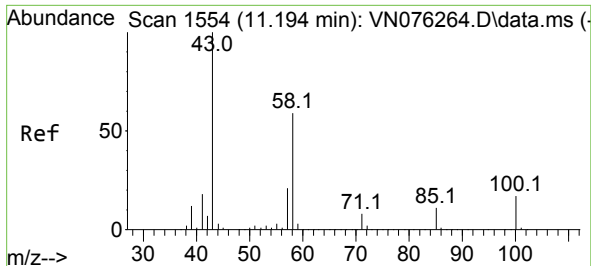
Tgt Ion: 98 Resp: 764899

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4





#59

2-Hexanone

Concen: 0.214 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076434.D

Acq: 27 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

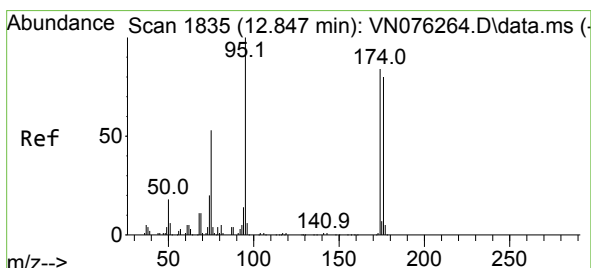
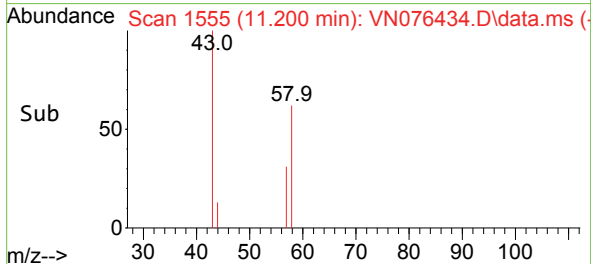
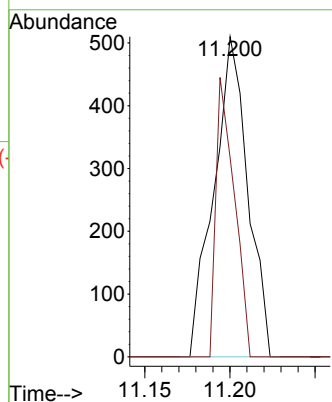
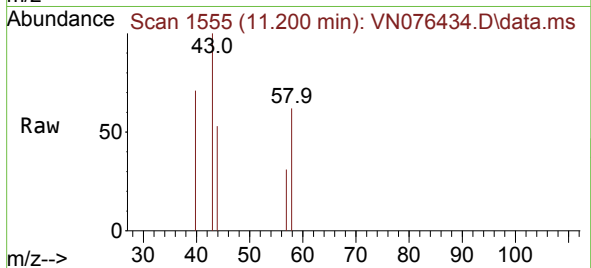
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 707

Ion Ratio Lower Upper

43 100

58 47.1 30.1 90.3



#62

4-Bromofluorobenzene

Concen: 46.076 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.000 min

Lab File: VN076434.D

Acq: 27 Jan 2023 12:59

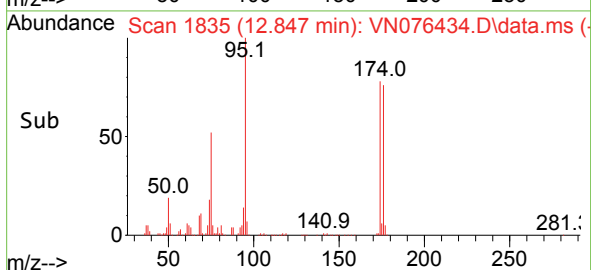
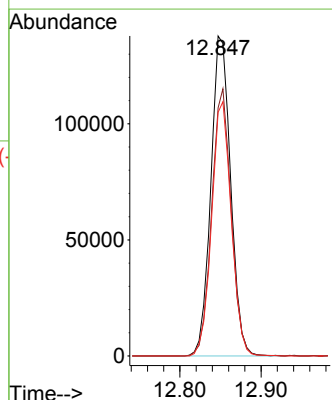
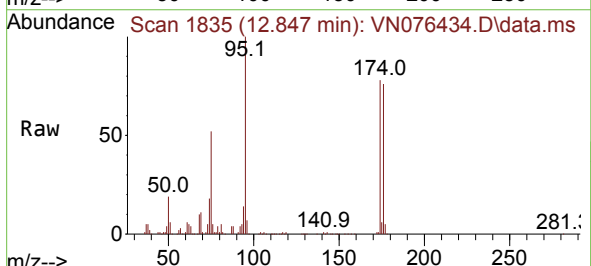
Tgt Ion: 95 Resp: 232944

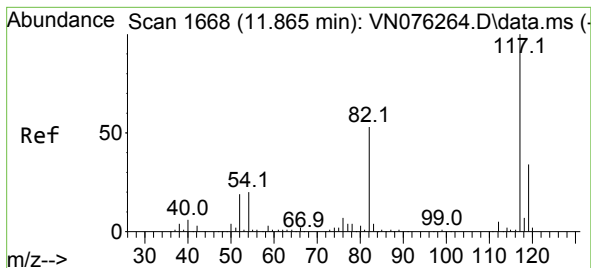
Ion Ratio Lower Upper

95 100

174 82.4 0.0 174.6

176 78.9 0.0 167.8

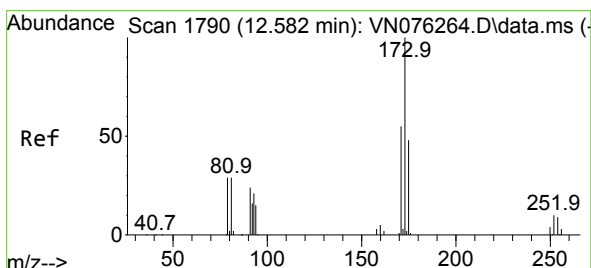
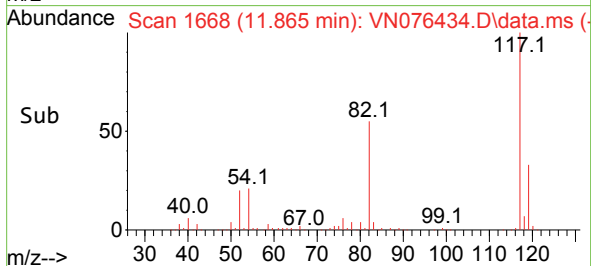
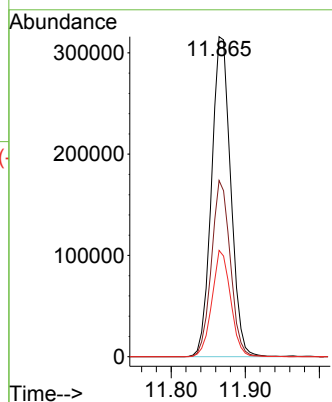
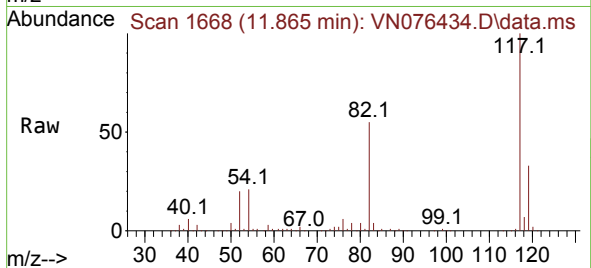




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

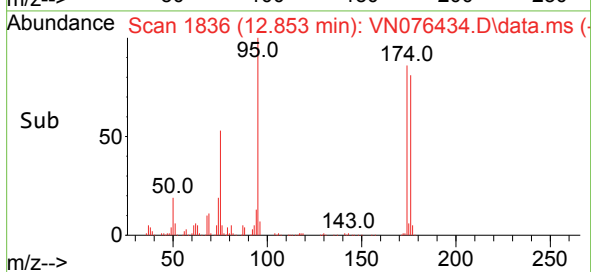
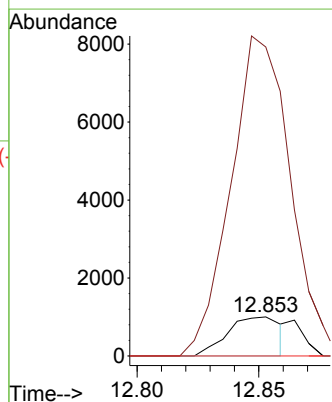
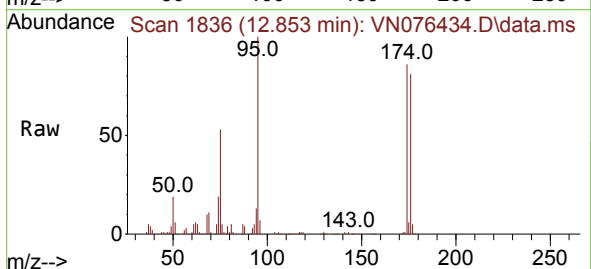
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

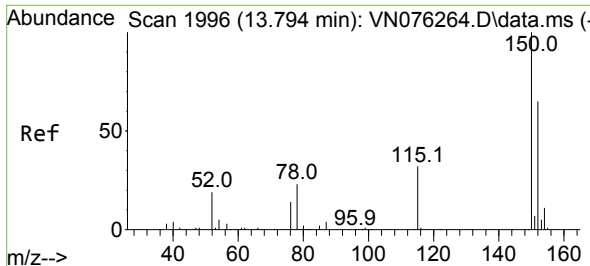
Tgt Ion:117 Resp: 568495
Ion Ratio Lower Upper
117 100
82 55.0 42.2 63.2
119 33.2 26.9 40.3



#71
Bromoform
Concen: 0.474 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

Tgt Ion:173 Resp: 1530
Ion Ratio Lower Upper
173 100
175 765.2 24.1 72.4#
254 0.0 0.0 0.0

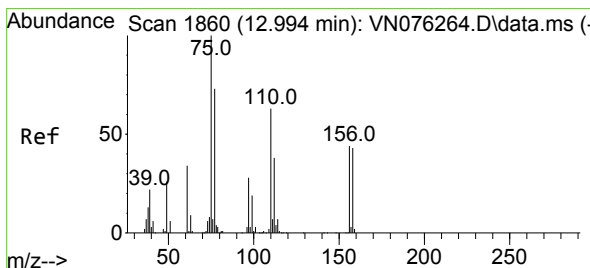
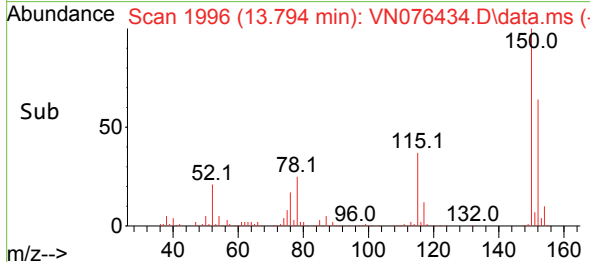
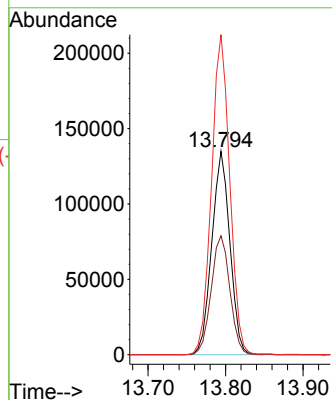
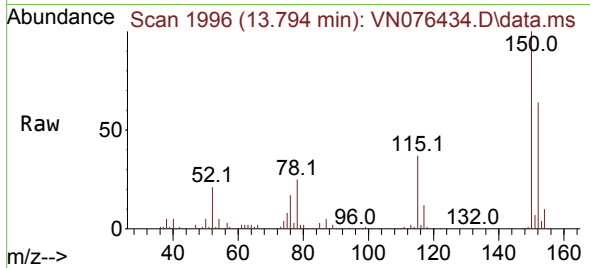




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN076434.D
 Acq: 27 Jan 2023 12:59

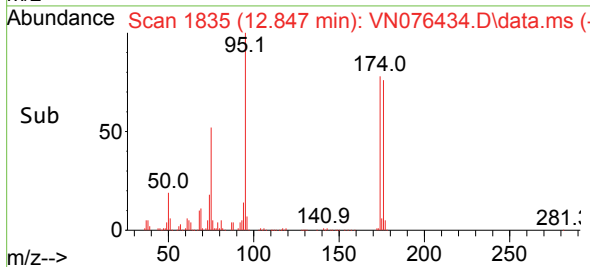
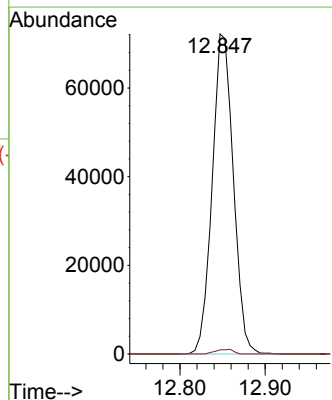
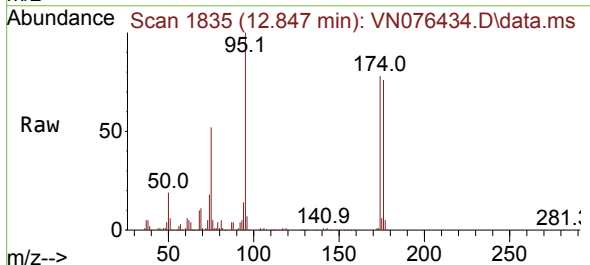
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

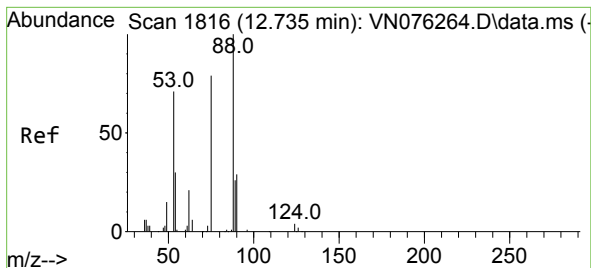
Tgt Ion:152 Resp: 218700
 Ion Ratio Lower Upper
 152 100
 115 60.3 29.6 88.9
 150 158.4 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 30.834 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN076434.D
 Acq: 27 Jan 2023 12:59

Tgt Ion: 75 Resp: 124297
 Ion Ratio Lower Upper
 75 100
 77 1.2 75.2 225.6#

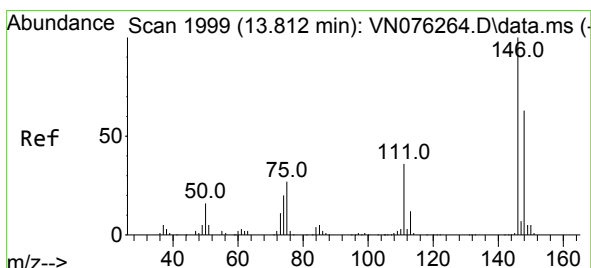
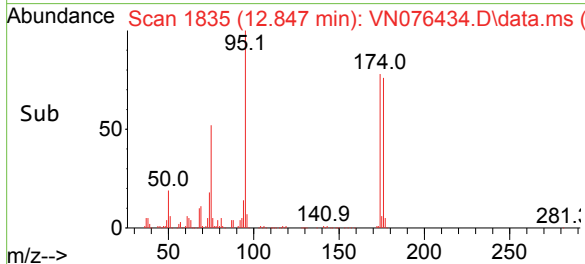
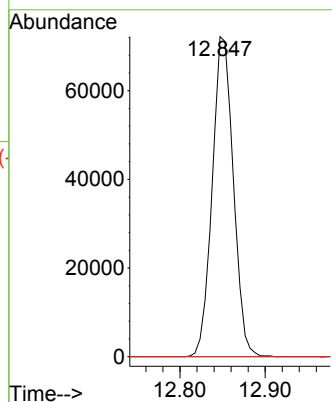
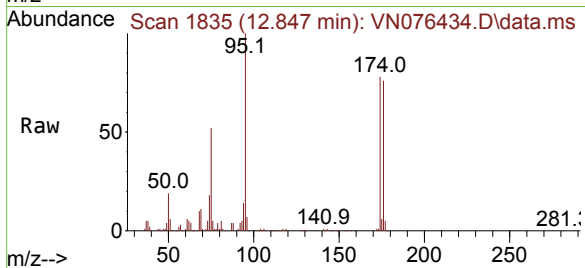




#81
trans-1,4-Dichloro-2-butene
Concen: 94.563 ug/l
RT: 12.847 min Scan# 1816
Delta R.T. 0.112 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

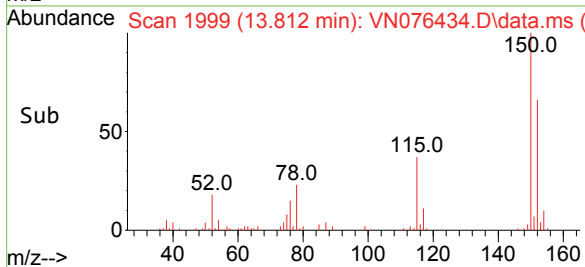
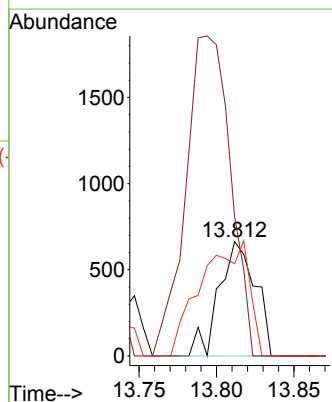
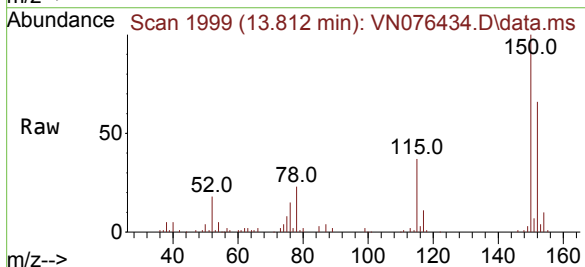
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

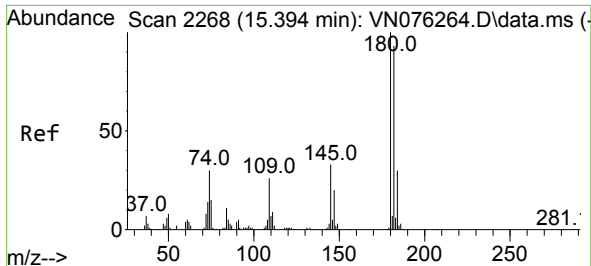
Tgt Ion: 75 Resp: 124297
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.243 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

Tgt Ion:146 Resp: 1080
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.5#
148 132.7 31.9 95.9#

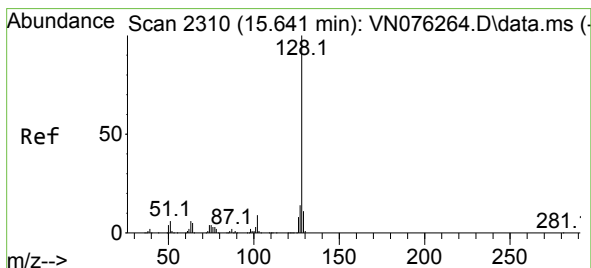
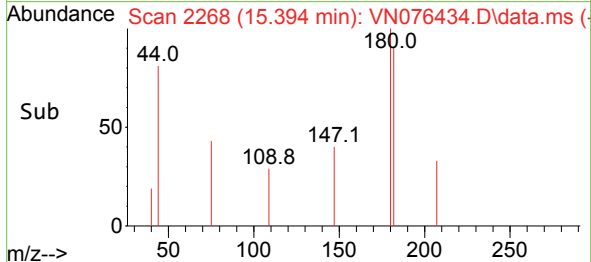
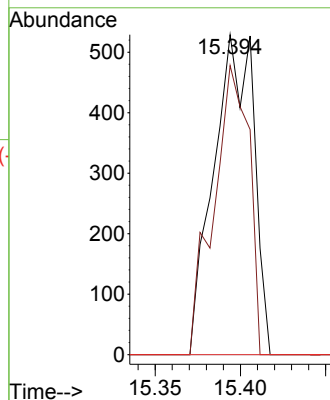
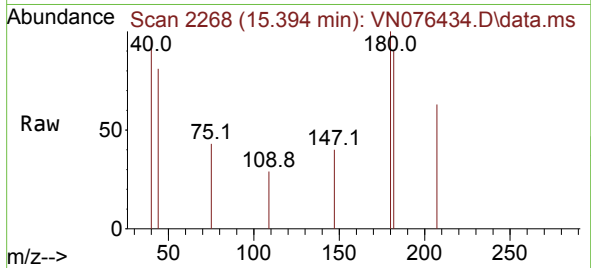




#93
1,2,4-Trichlorobenzene
Concen: 1.525 ug/l
RT: 15.394 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

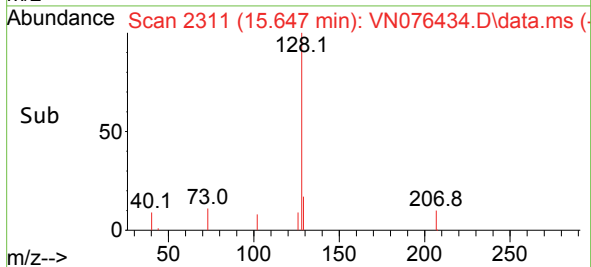
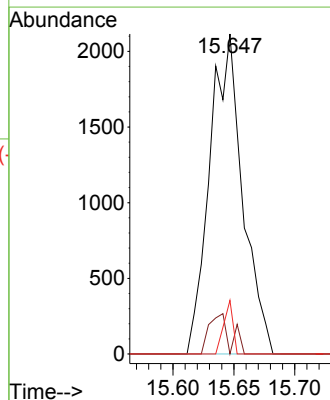
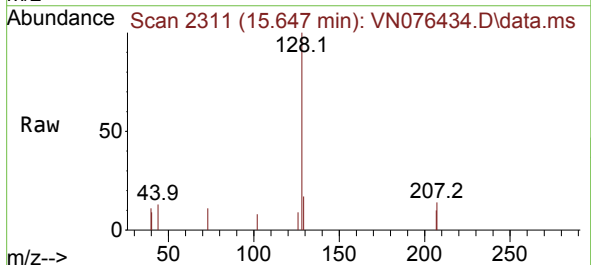
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

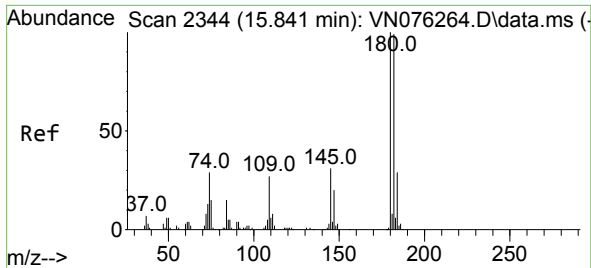
Tgt Ion:180 Resp: 868
Ion Ratio Lower Upper
180 100
182 79.5 47.0 141.2
145 0.0 15.2 45.5#



#95
Naphthalene
Concen: 2.176 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076434.D
Acq: 27 Jan 2023 12:59

Tgt Ion:128 Resp: 3979
Ion Ratio Lower Upper
128 100
127 7.9 10.3 15.5#
129 4.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.302 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN076434.D
 Acq: 27 Jan 2023 12:59

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

Tgt Ion:180 Resp: 556
 Ion Ratio Lower Upper
 180 100
 182 200.7 47.5 142.5#
 145 20.7 15.9 47.6

