

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079851.D
 Acq On : 03 Nov 2023 16:04
 Operator : JC\MD
 Sample : 05139-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 04 00:54:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

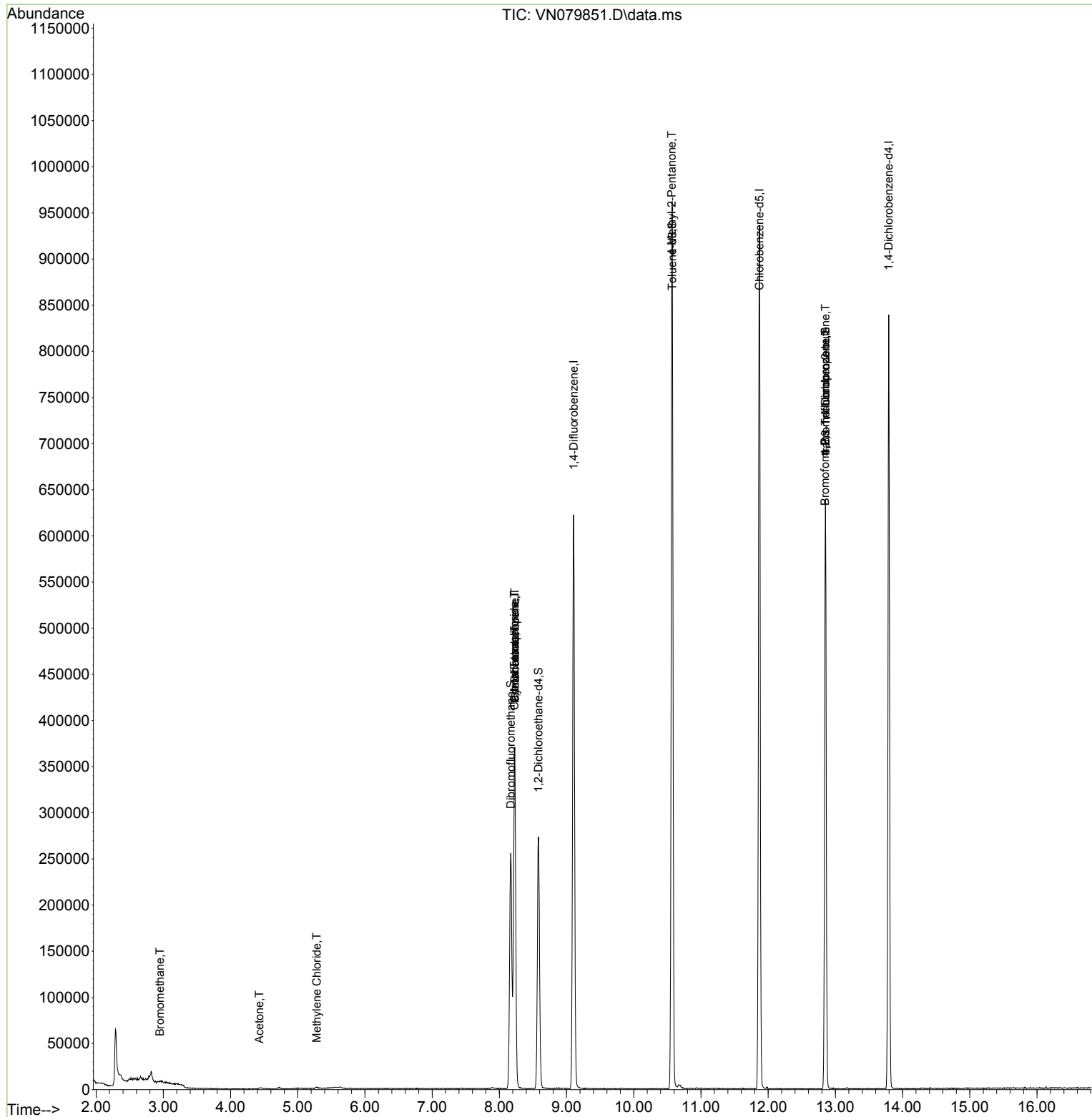
Internal Standards						
1) Pentafluorobenzene	8.230	168	259141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	515651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	514574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	223435	56.593	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.180%			
35) Dibromofluoromethane	8.171	113	182029	49.877	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	10.571	98	636315	47.361	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.720%			
62) 4-Bromofluorobenzene	12.853	95	208871	46.876	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.760%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	2317	Below Cal		94
5) Bromomethane	2.948	94	661	0.266	ug/l	92
16) Acetone	4.430	43	1559	1.124	ug/l #	40
20) Methylene Chloride	5.283	84	1031	0.295	ug/l #	79
31) Cyclohexane	8.230	56	6980	1.338	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	22804	4.376	ug/l #	48
38) Carbon Tetrachloride	8.224	117	28726	5.470	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	2754	0.584	ug/l #	1
71) Bromoform	12.847	173	1844	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	118228	25.254	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118228	68.710	ug/l #	15

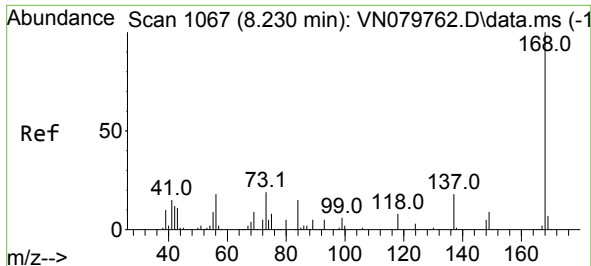
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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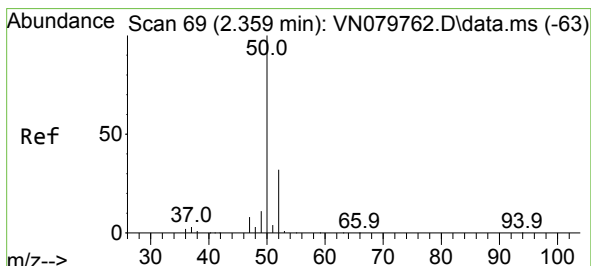
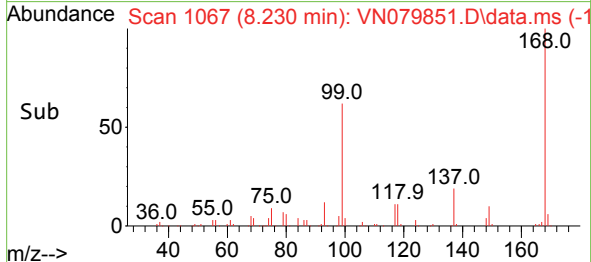
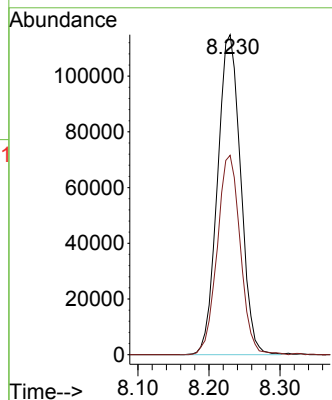
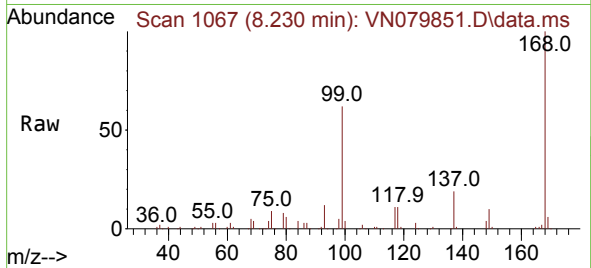




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

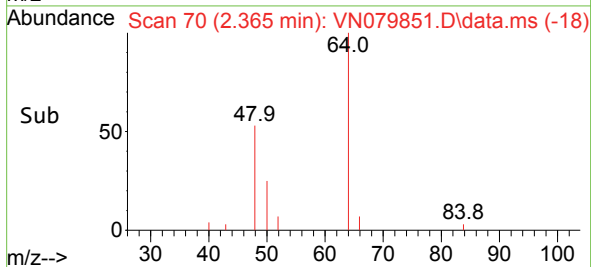
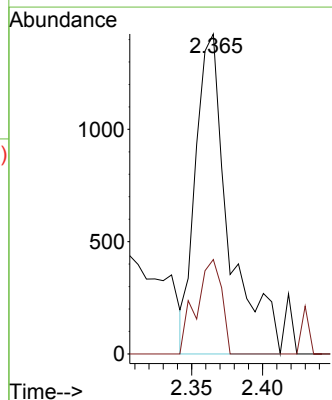
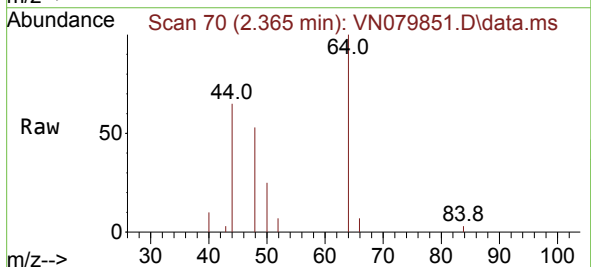
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 259141
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

Tgt Ion: 50 Resp: 2317
Ion Ratio Lower Upper
50 100
52 29.5 26.5 39.7

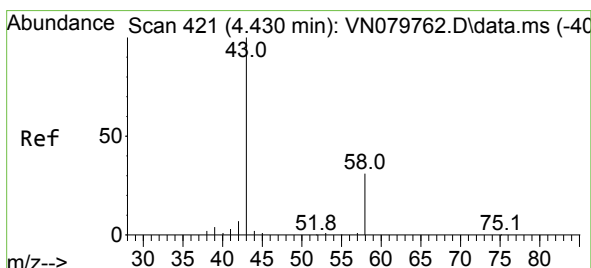
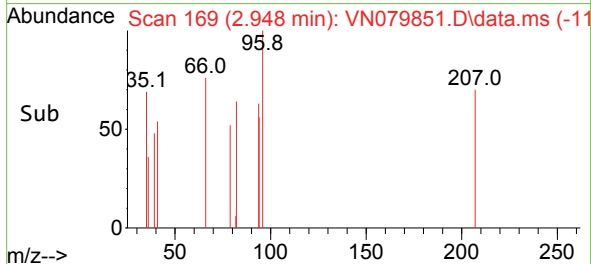
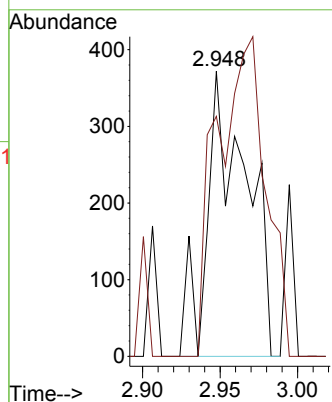
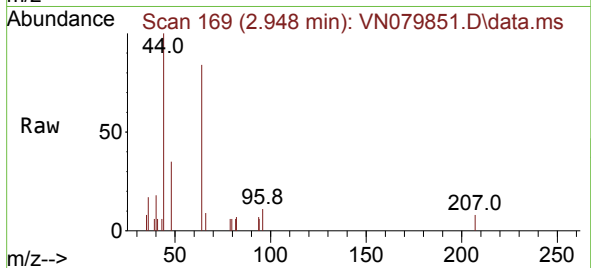




#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

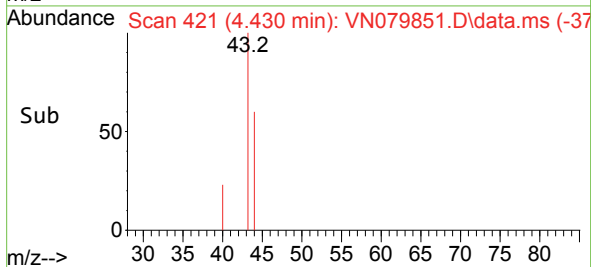
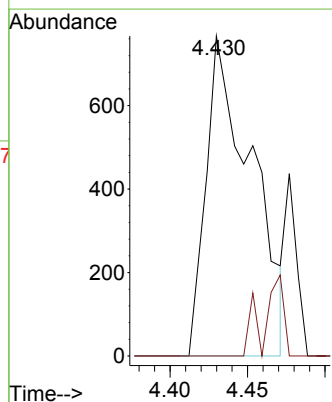
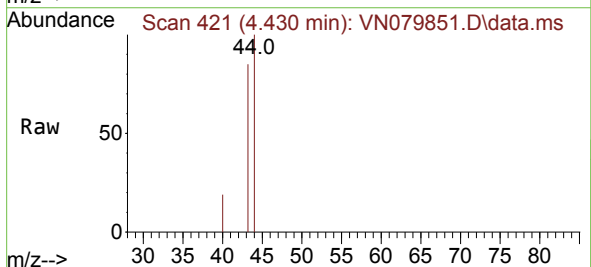
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

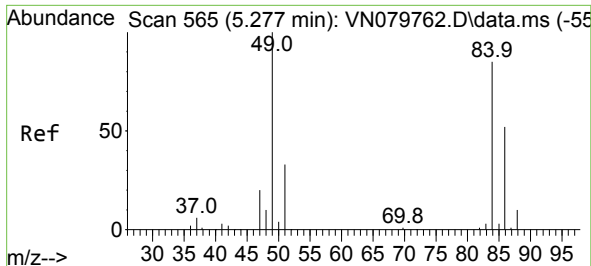
Tgt Ion: 94 Resp: 661
Ion Ratio Lower Upper
94 100
96 84.1 73.1 109.7



#16
Acetone
Concen: 1.124 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

Tgt Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#20

Methylene Chloride

Concen: 0.295 ug/l

RT: 5.283 min Scan# 5

Delta R.T. 0.012 min

Lab File: VN079851.D

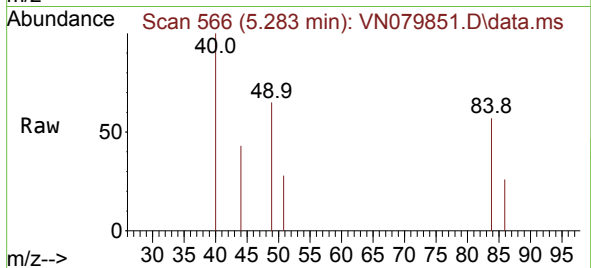
Acq: 03 Nov 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion: 84 Resp: 1031

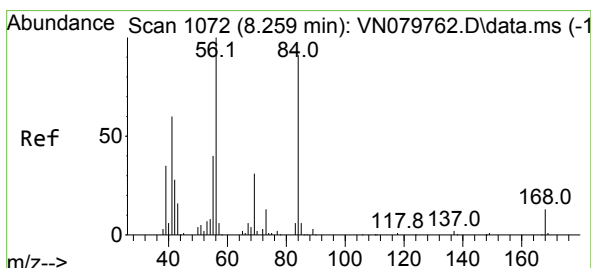
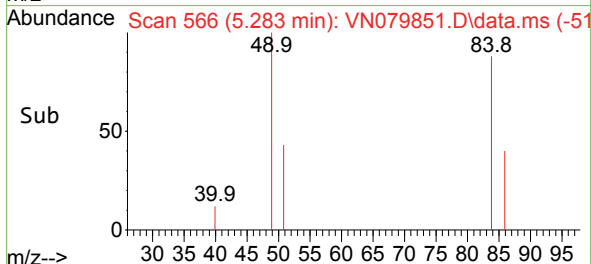
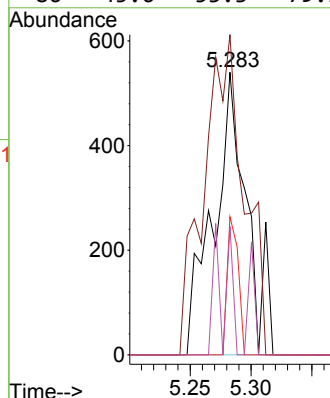
Ion Ratio Lower Upper

84 100

49 113.3 79.7 119.5

51 48.9 25.2 37.8#

86 45.6 53.3 79.9#



#31

Cyclohexane

Concen: 1.338 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN079851.D

Acq: 03 Nov 2023 16:04

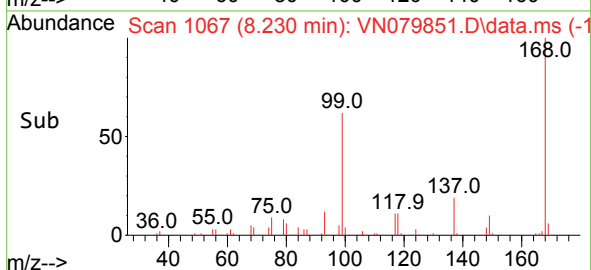
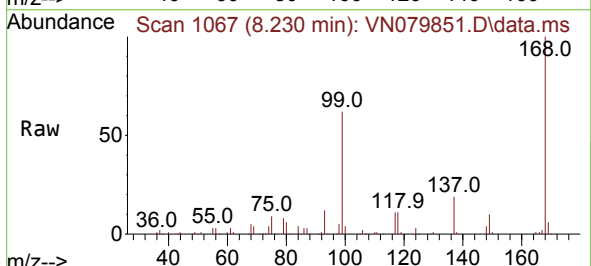
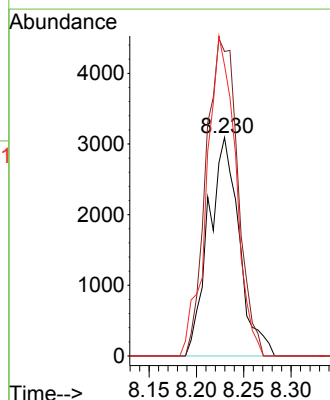
Tgt Ion: 56 Resp: 6980

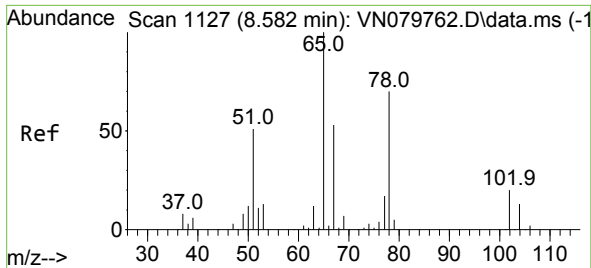
Ion Ratio Lower Upper

56 100

69 139.4 26.8 40.2#

84 133.2 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.593 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079851.D

Acq: 03 Nov 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

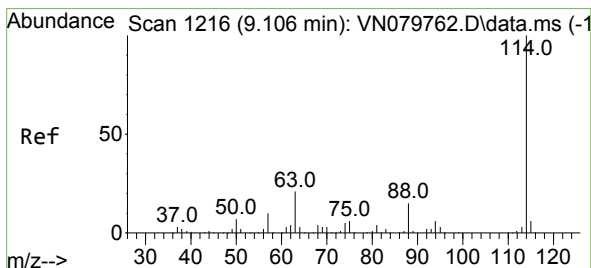
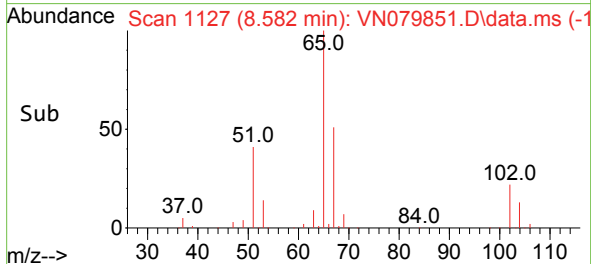
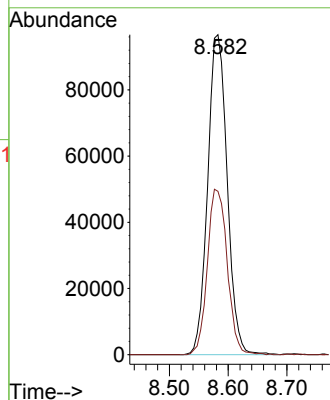
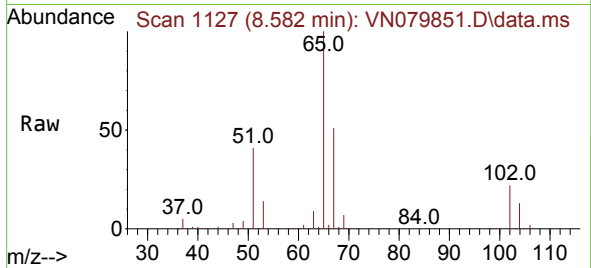
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 223435

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079851.D

Acq: 03 Nov 2023 16:04

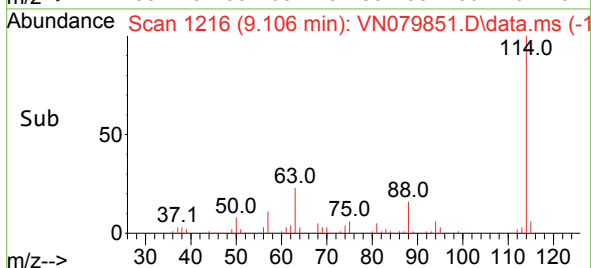
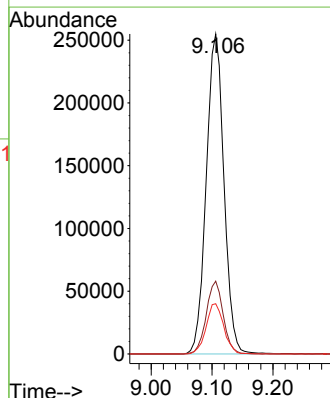
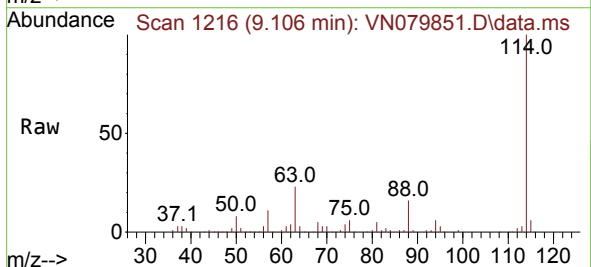
Tgt Ion: 114 Resp: 515651

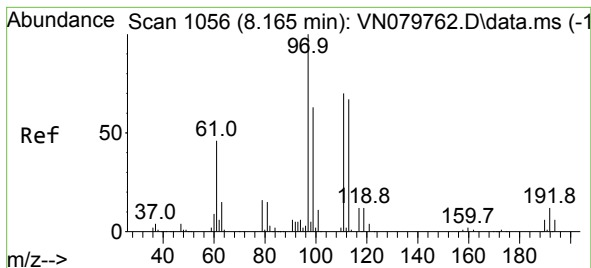
Ion Ratio Lower Upper

114 100

63 22.8 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.877 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079851.D

Acq: 03 Nov 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

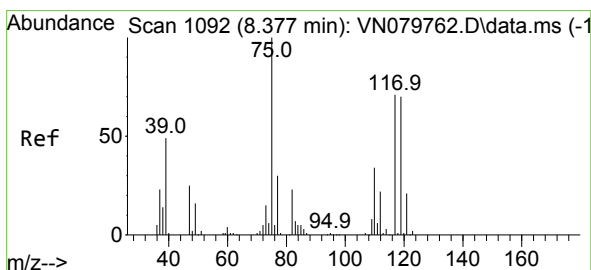
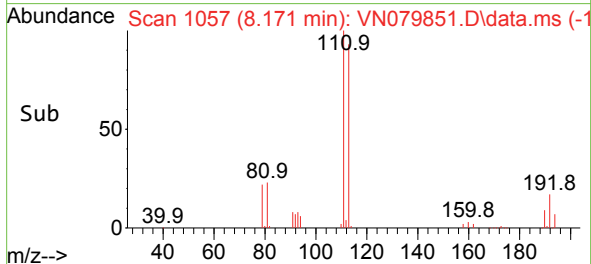
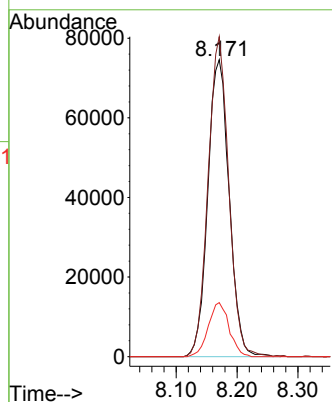
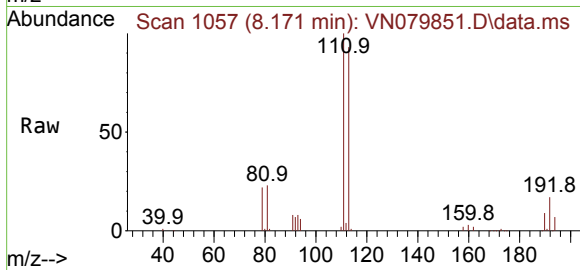
Tgt Ion:113 Resp: 182029

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 17.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.376 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079851.D

Acq: 03 Nov 2023 16:04

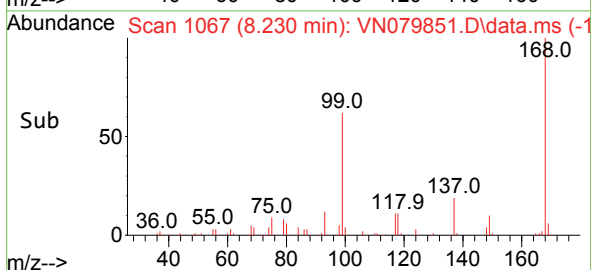
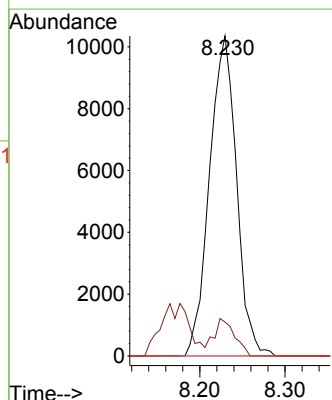
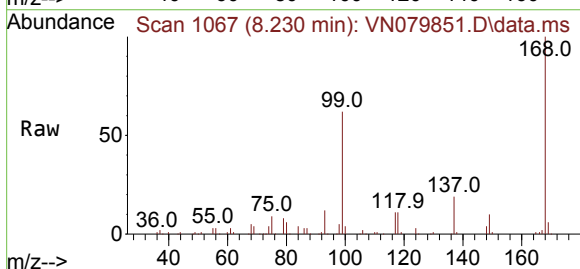
Tgt Ion: 75 Resp: 22804

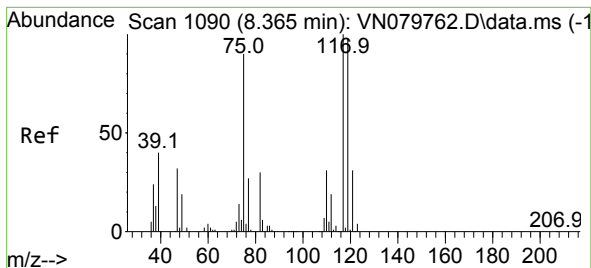
Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.470 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN079851.D

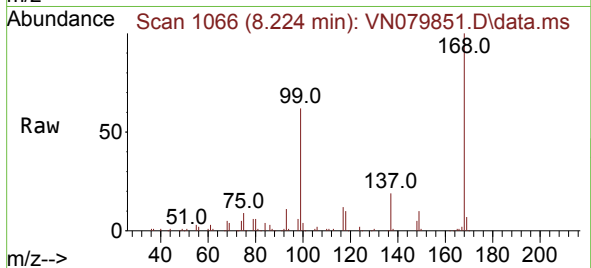
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Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



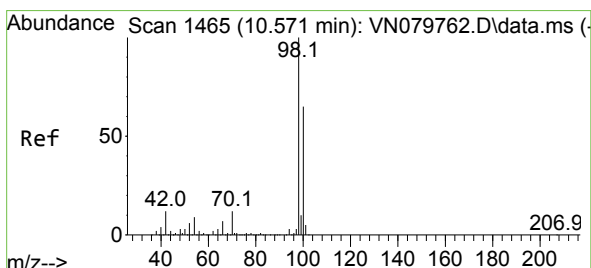
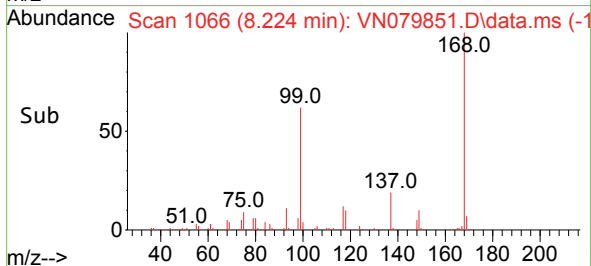
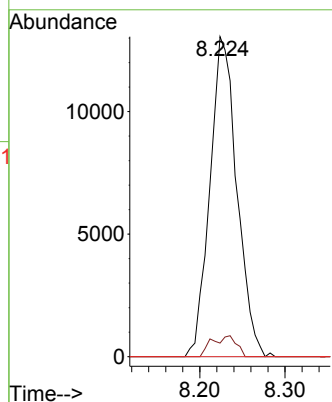
Tgt Ion:117 Resp: 28726

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 47.361 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079851.D

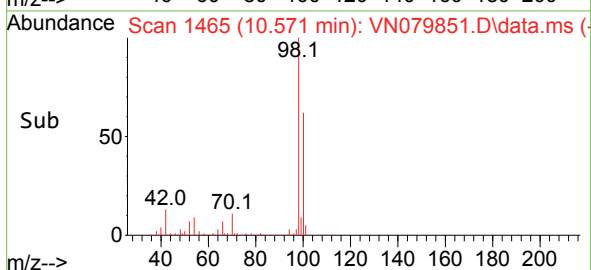
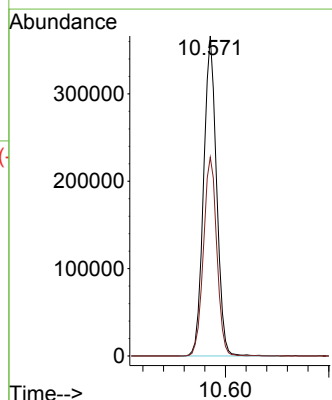
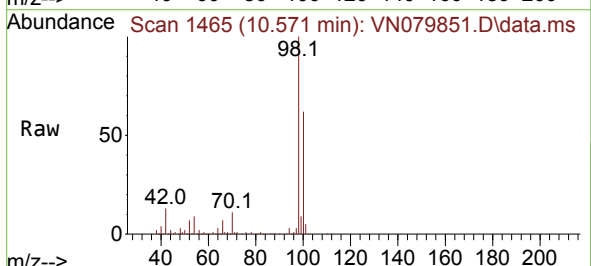
Acq: 03 Nov 2023 16:04

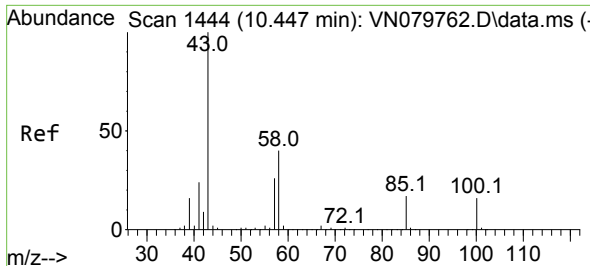
Tgt Ion: 98 Resp: 636315

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0

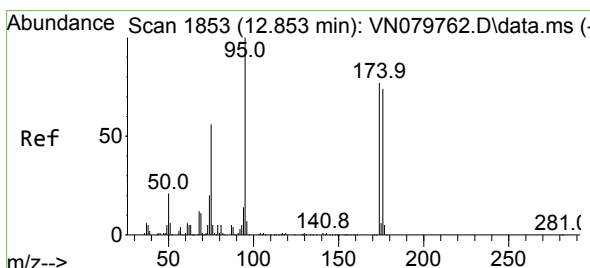
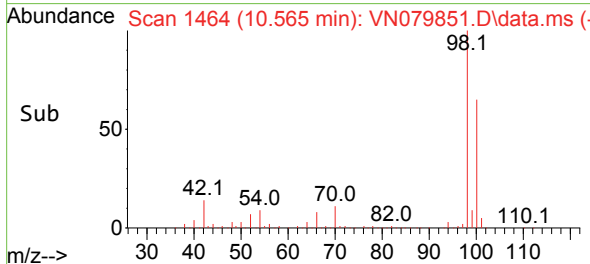
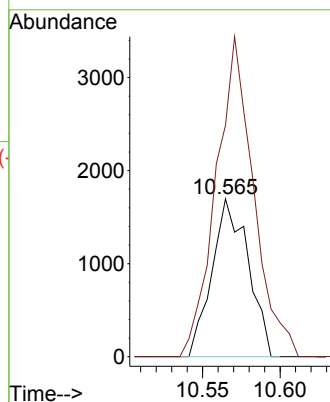
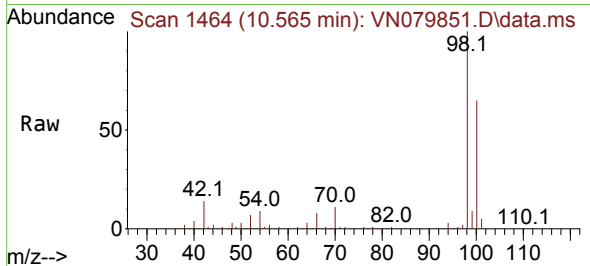




#51
4-Methyl-2-Pentanone
Concen: 0.584 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

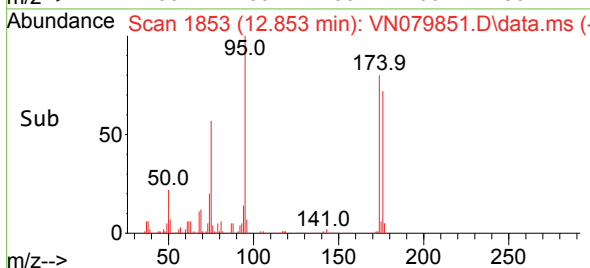
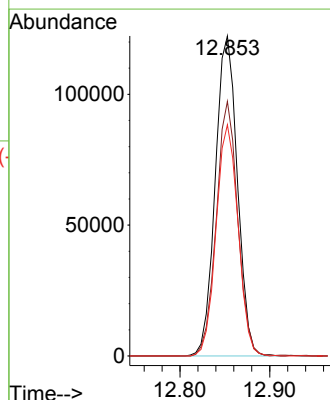
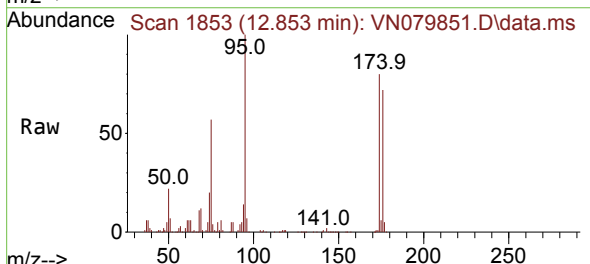
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

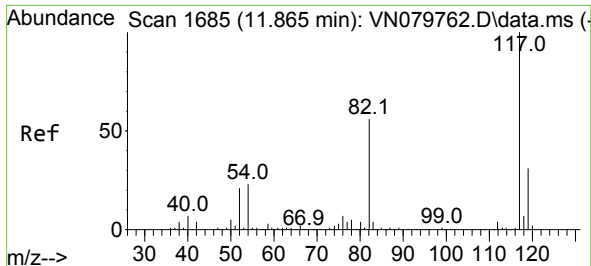
Tgt Ion: 43 Resp: 2754
Ion Ratio Lower Upper
43 100
58 210.5 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 46.876 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

Tgt Ion: 95 Resp: 208871
Ion Ratio Lower Upper
95 100
174 77.6 0.0 143.8
176 71.7 0.0 135.8

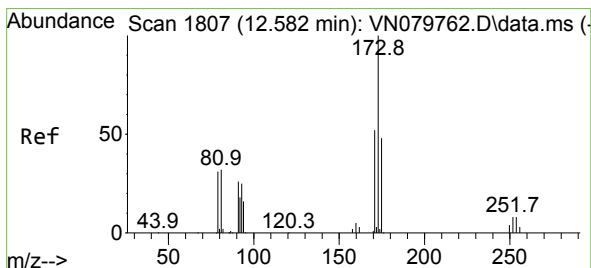
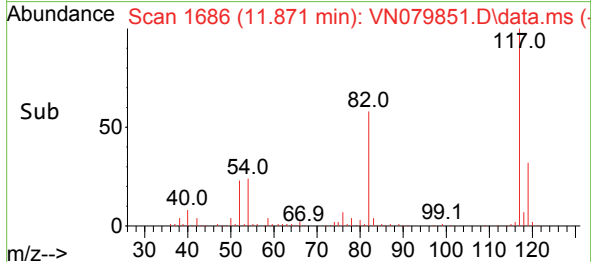
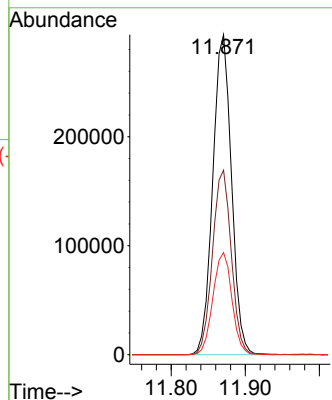
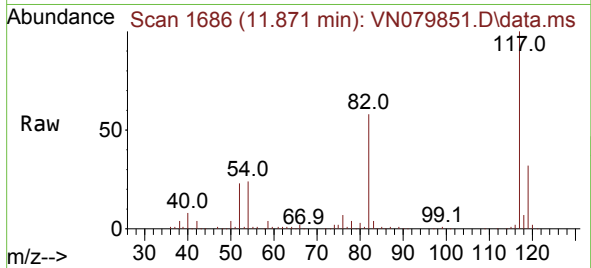




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

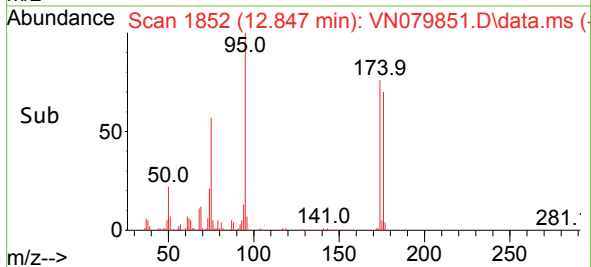
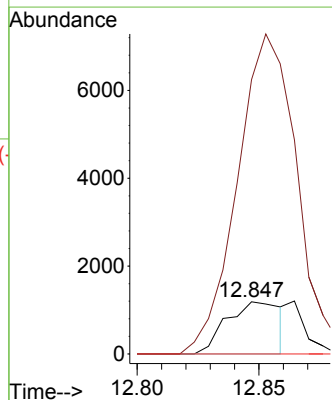
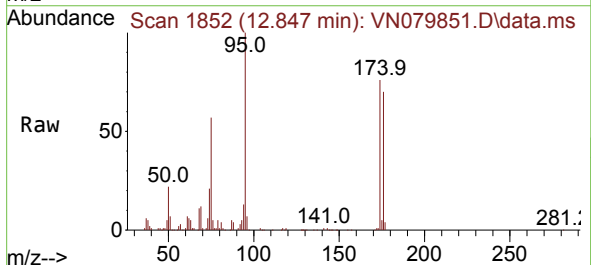
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

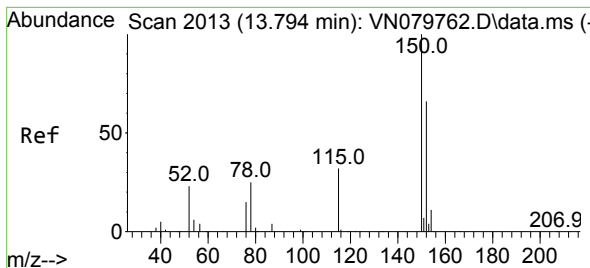
Tgt Ion:117 Resp: 514574
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.646 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079851.D
Acq: 03 Nov 2023 16:04

Tgt Ion:173 Resp: 1844
Ion Ratio Lower Upper
173 100
175 517.1 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN079851.D

Acq: 03 Nov 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

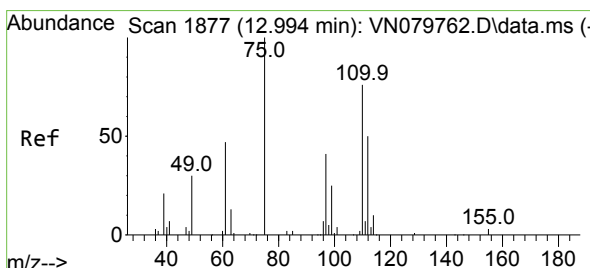
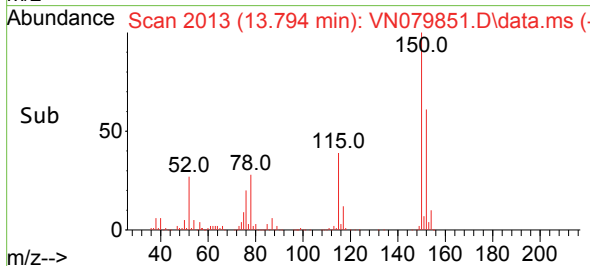
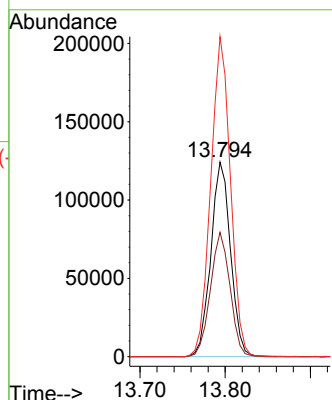
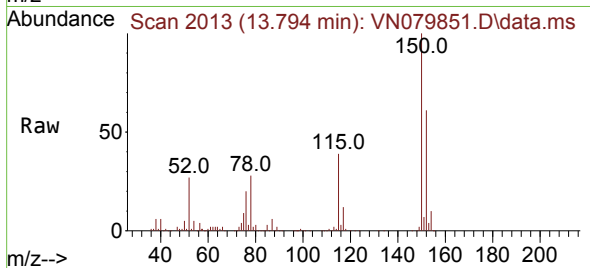
Tgt Ion:152 Resp: 199411

Ion Ratio Lower Upper

152 100

115 63.5 32.3 96.8

150 164.3 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.254 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079851.D

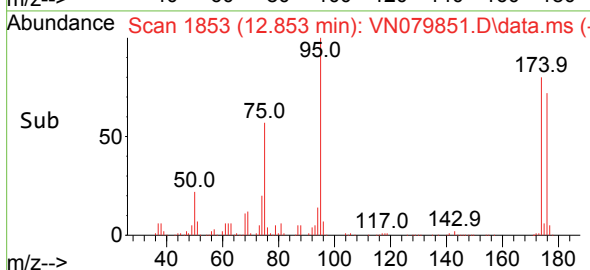
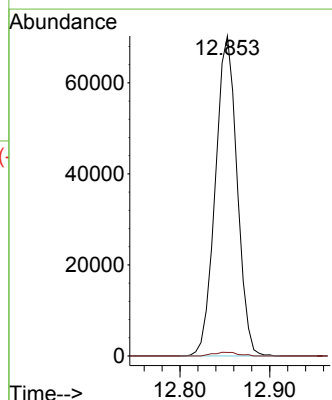
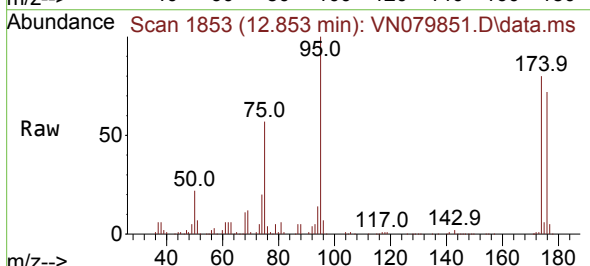
Acq: 03 Nov 2023 16:04

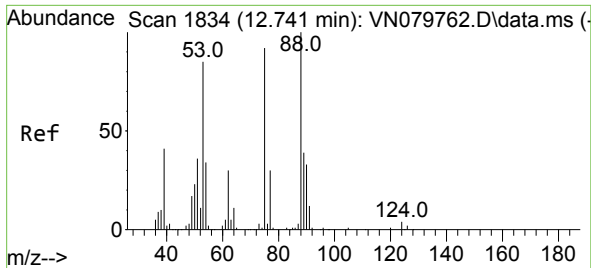
Tgt Ion: 75 Resp: 118228

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.710 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079851.D
 Acq: 03 Nov 2023 16:04

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

Tgt Ion: 75 Resp: 118228
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

