

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079910.D
 Acq On : 04 Nov 2023 22:03
 Operator : JC\MD
 Sample : 05234-05
 Misc : 1.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ATH-OILY-DEBRIS

Quant Time: Nov 06 02:22:07 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)

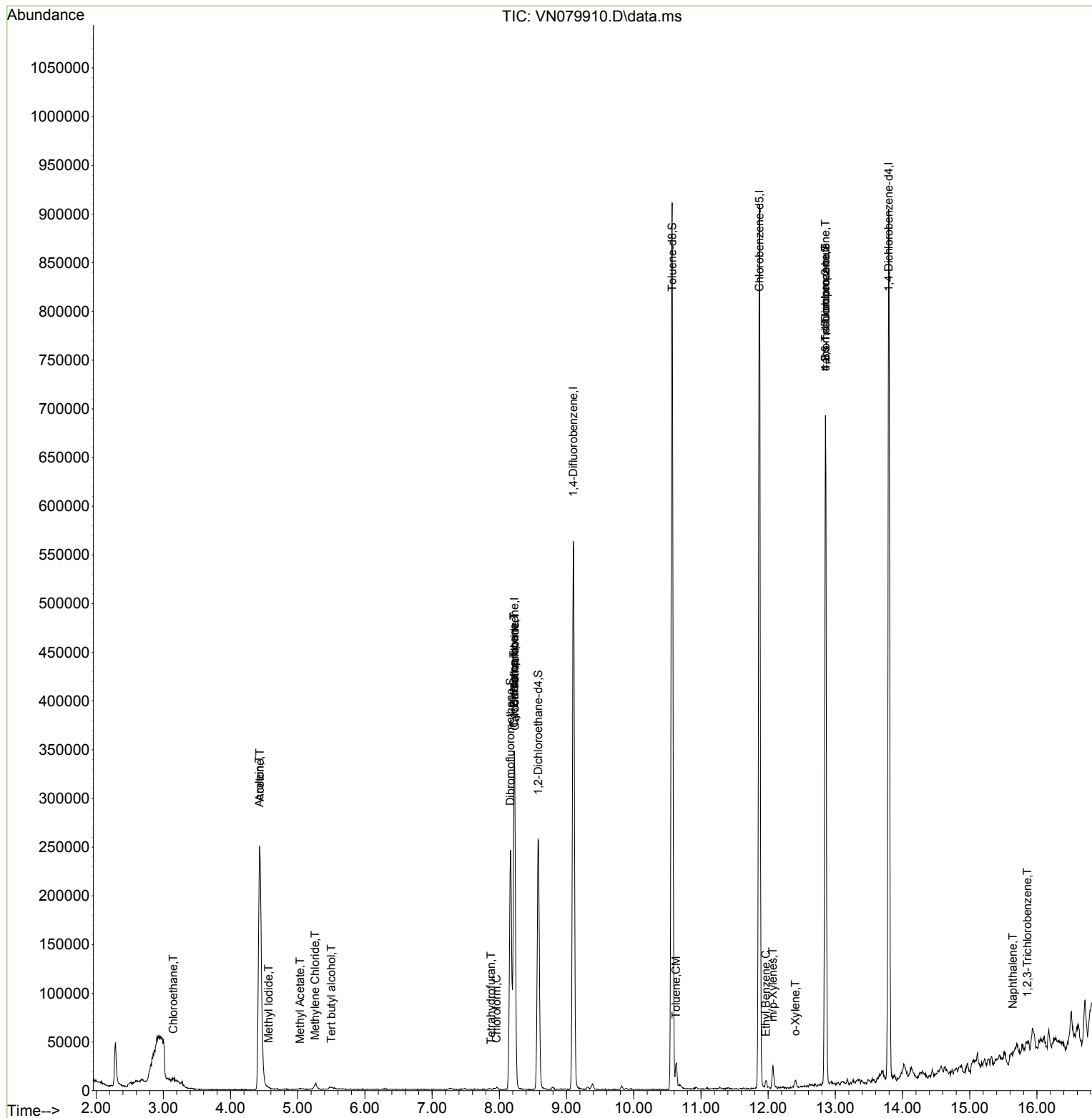
Internal Standards						
1) Pentafluorobenzene	8.224	168	242893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	470442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	500932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	211496	57.152	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.300%			
35) Dibromofluoromethane	8.165	113	172074	51.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.360%			
50) Toluene-d8	10.571	98	627141	51.164	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.853	95	233104	57.342	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.680%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1019	Below Cal		93
6) Chloroethane	3.148	64	1237	0.409 ug/l #		43
10) Methyl Iodide	4.565	142	1078	0.342 ug/l #		86
11) Tert butyl alcohol	5.500	59	2329	4.930 ug/l #		72
13) Acrolein	4.430	56	67	2.729 ug/l #		1
16) Acetone	4.436	43	498688	383.648 ug/l		94
18) Methyl Acetate	5.036	43	2893	0.465 ug/l #		42
20) Methylene Chloride	5.259	84	4350	1.326 ug/l #		91
29) Tetrahydrofuran	7.877	42	704	0.568 ug/l #		37
30) Chloroform	7.959	83	1920	0.313 ug/l #		63
31) Cyclohexane	8.218	56	6701	1.370 ug/l #		38
36) 1,1-Dichloropropene	8.218	75	22506	4.734 ug/l #		46
38) Carbon Tetrachloride	8.230	117	28306	5.908 ug/l #		16
52) Toluene	10.630	92	9850	1.167 ug/l		100
67) Ethyl Benzene	11.965	91	5236	0.277 ug/l		96
68) m/p-Xylenes	12.071	106	6910	0.980 ug/l		94
69) o-Xylene	12.406	106	1894	0.279 ug/l		69
76) 1,2,3-Trichloropropane	12.853	75	127233	24.189 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	127233	65.812 ug/l #		15
95) Naphthalene	15.641	128	5024	0.426 ug/l #		92
96) 1,2,3-Trichlorobenzene	15.859	180	1280	0.376 ug/l #		13

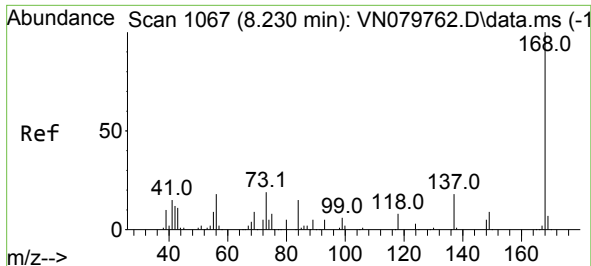
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ATH-OILY-DEBRIS

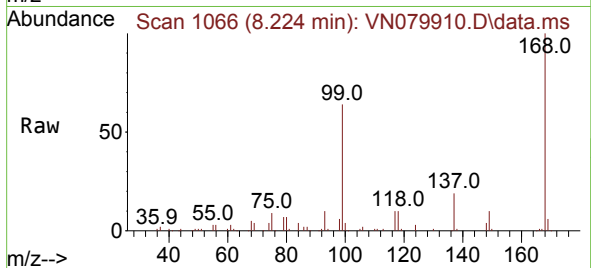
Quant Time: Nov 06 02:22:07 2023
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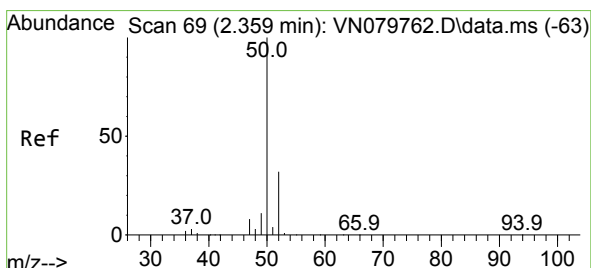
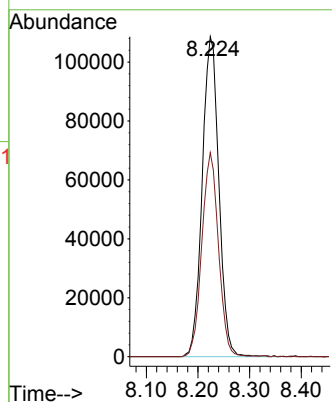
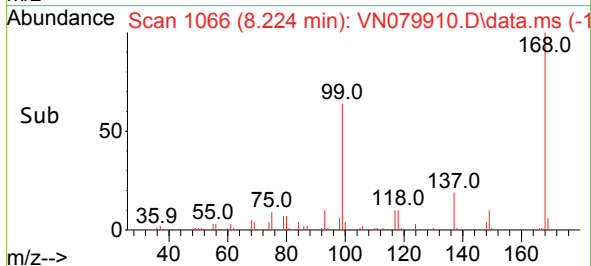


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Instrument :
MSVOA_N
ClientSampleId :
ATH-OILY-DEBRIS

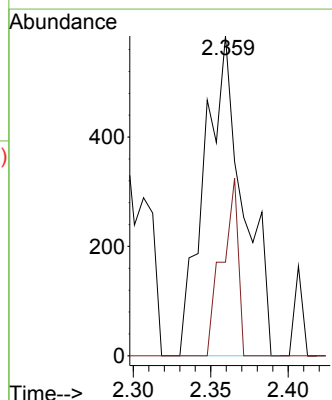
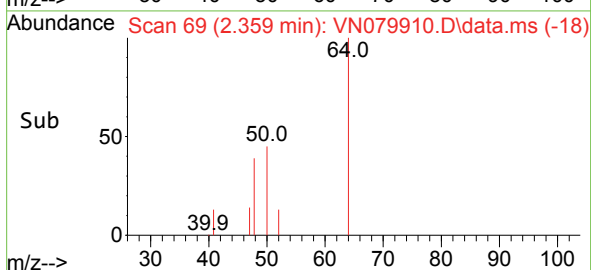
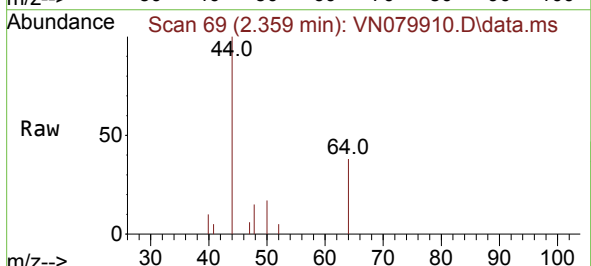


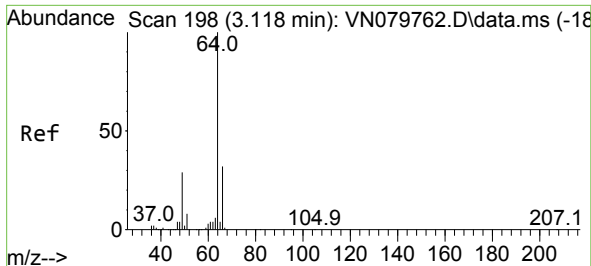
Tgt Ion:168 Resp: 242893
Ion Ratio Lower Upper
168 100
99 63.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion: 50 Resp: 1019
Ion Ratio Lower Upper
50 100
52 29.2 26.5 39.7

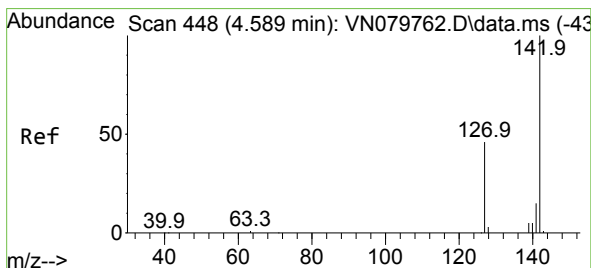
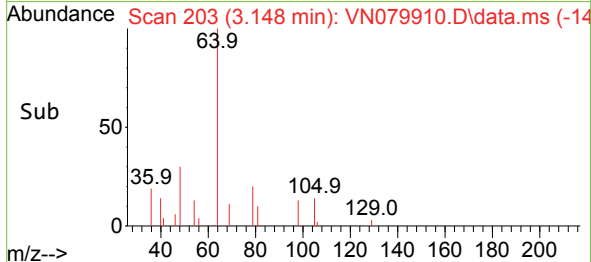
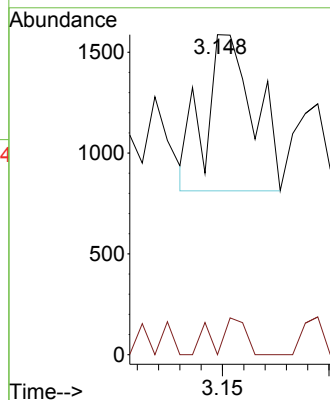
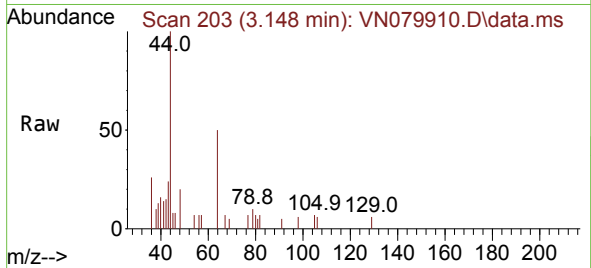




#6
Chloroethane
Concen: 0.409 ug/l
RT: 3.148 min Scan# 20
Delta R.T. 0.030 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

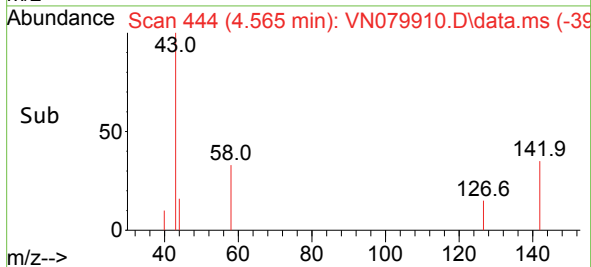
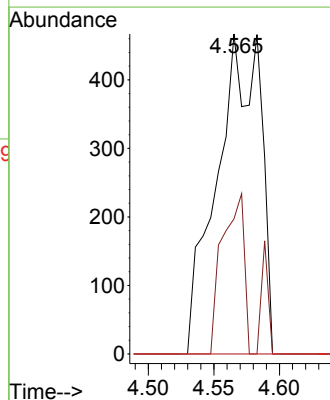
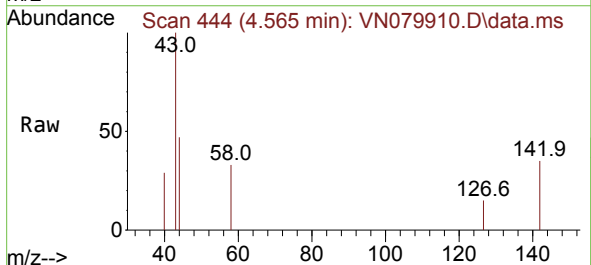
Instrument :
MSVOA_N
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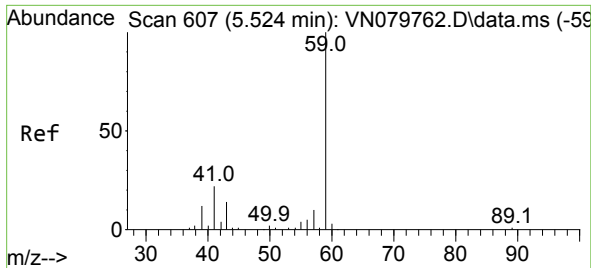
Tgt Ion: 64 Resp: 1237
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.342 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.029 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion: 142 Resp: 1078
Ion Ratio Lower Upper
142 100
127 42.2 37.6 56.4
141 0.0 11.4 17.0#

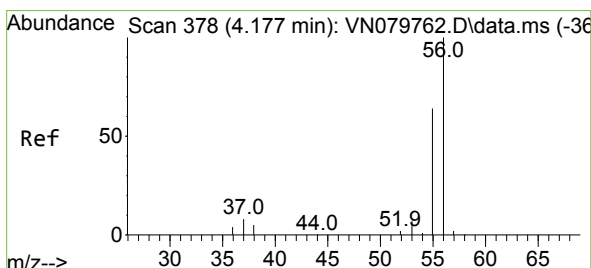
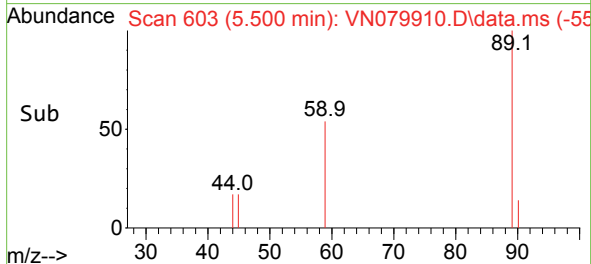
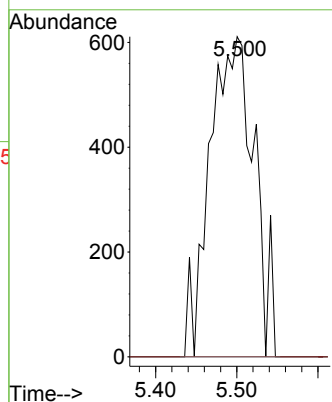
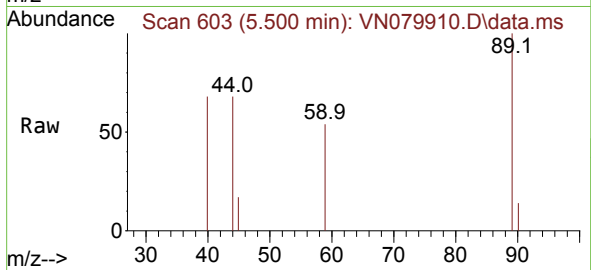




#11
Tert butyl alcohol
Concen: 4.930 ug/l
RT: 5.500 min Scan# 607
Delta R.T. -0.017 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

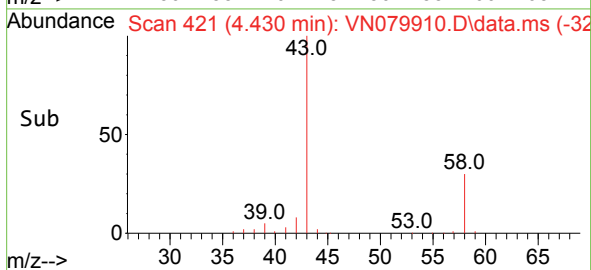
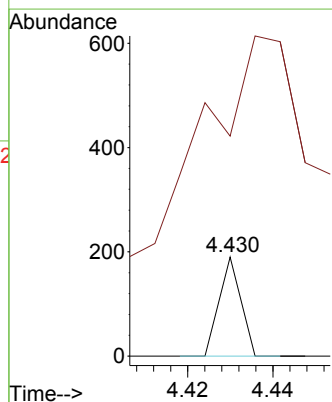
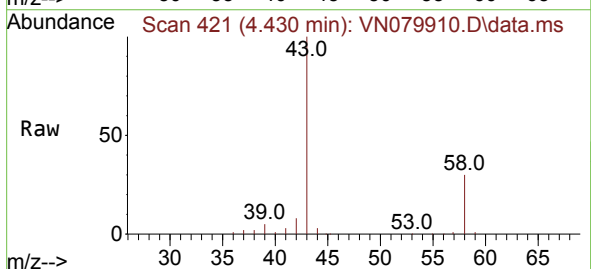
Instrument :
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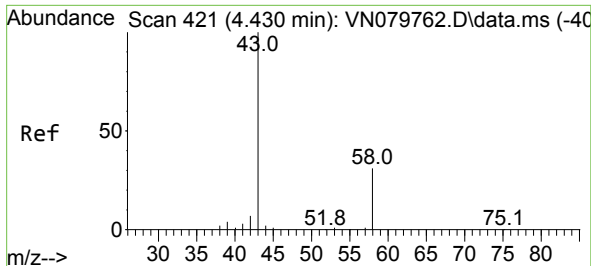
Tgt Ion: 59 Resp: 2329
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.729 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.247 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 2126.9 54.5 81.7#

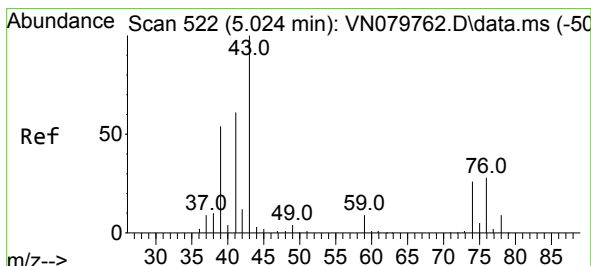
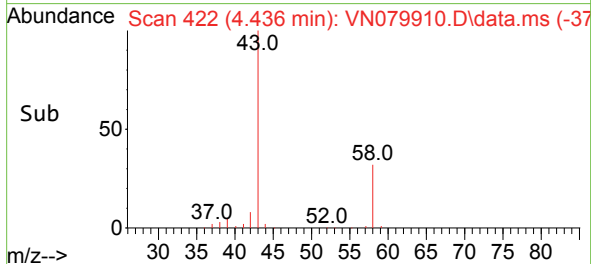
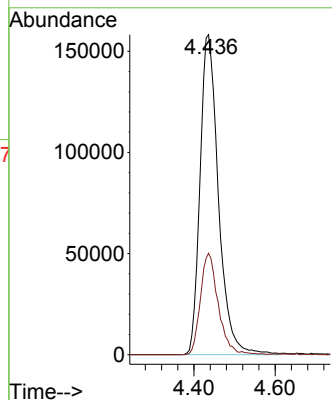
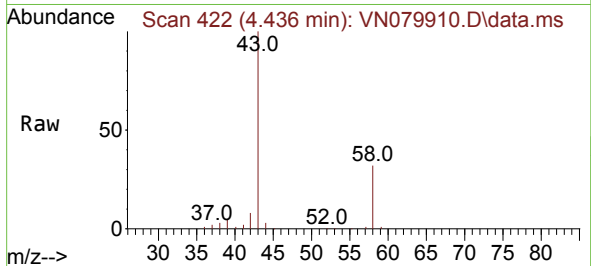




#16
Acetone
Concen: 383.648 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

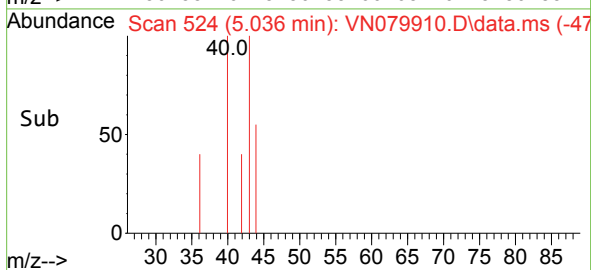
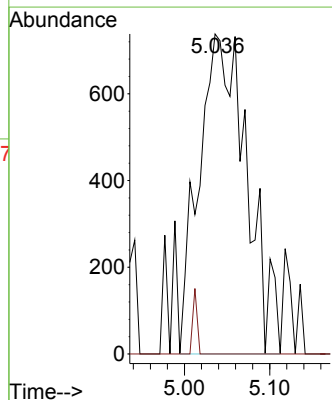
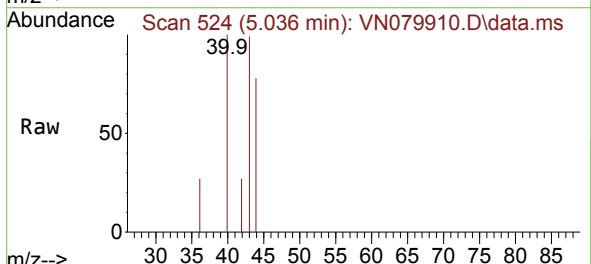
Instrument :
MSVOA_N
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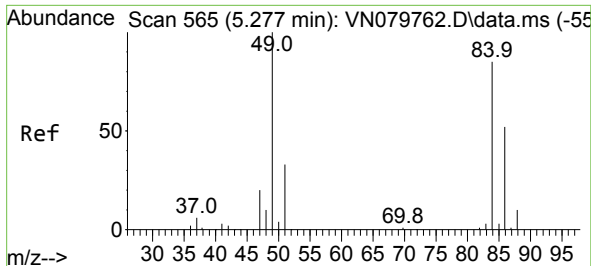
Tgt Ion: 43 Resp: 498688
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.465 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

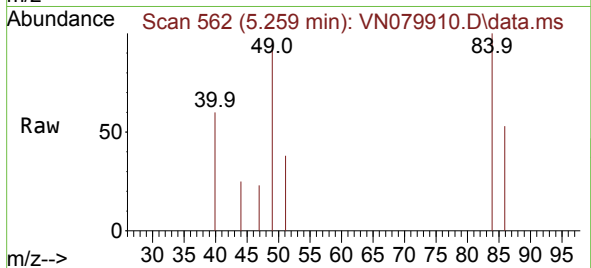
Tgt Ion: 43 Resp: 2893
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



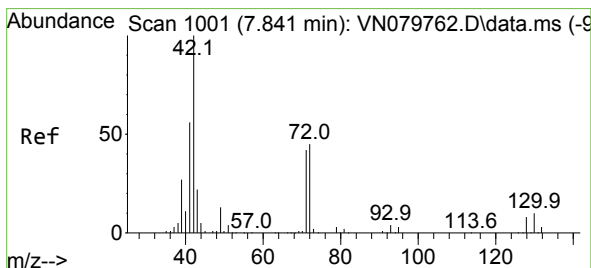
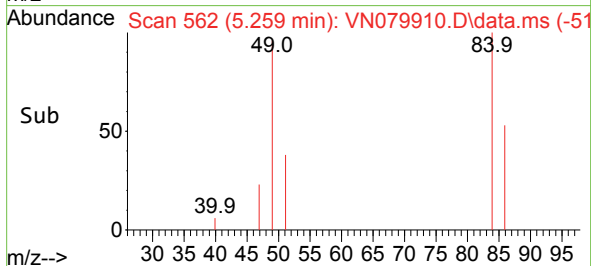
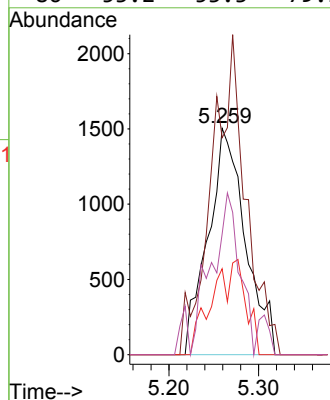


#20
Methylene Chloride
Concen: 1.326 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Instrument :
MSVOA_N
ClientSampleId :
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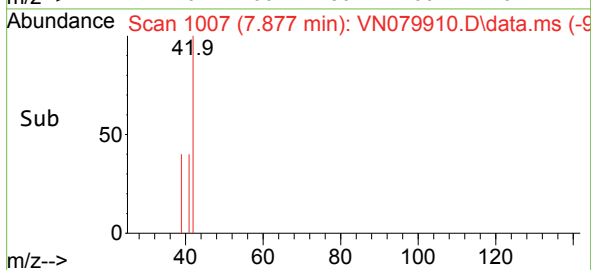
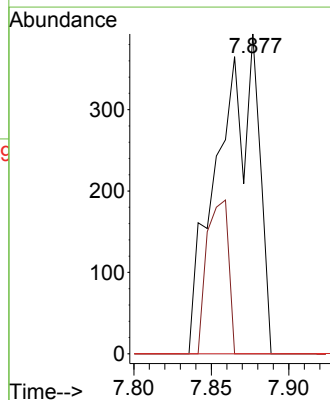
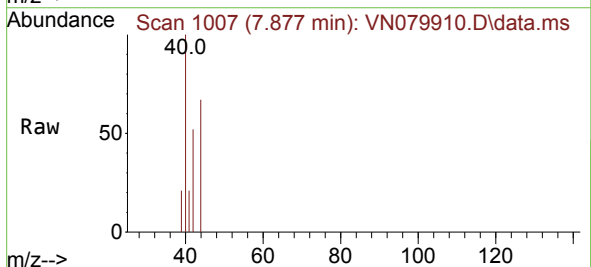


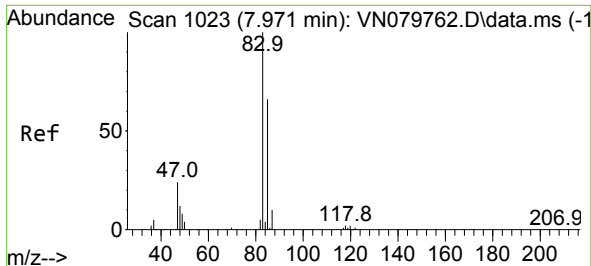
Tgt Ion:	84	Resp:	4350
Ion	Ratio	Lower	Upper
84	100		
49	95.8	79.7	119.5
51	38.0	25.2	37.8#
86	53.2	53.3	79.9#



#29
Tetrahydrofuran
Concen: 0.568 ug/l
RT: 7.877 min Scan# 1007
Delta R.T. 0.035 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion:	42	Resp:	704
Ion	Ratio	Lower	Upper
42	100		
72	26.0	49.8	74.6#
71	0.0	47.4	71.2#

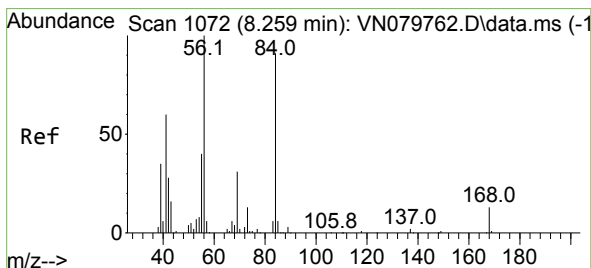
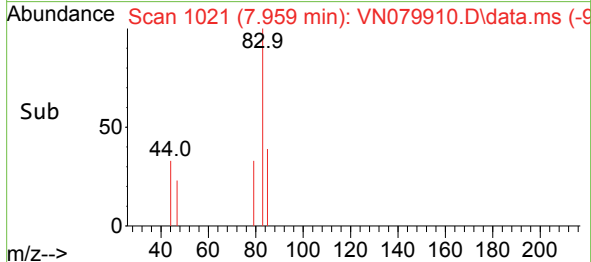
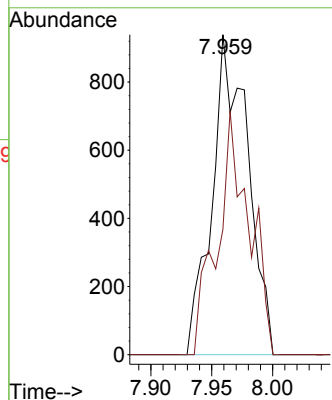
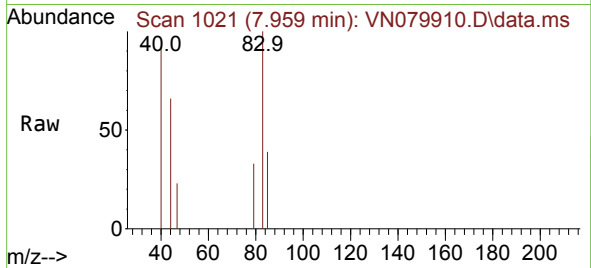




#30
Chloroform
Concen: 0.313 ug/l
RT: 7.959 min Scan# 1065
Delta R.T. -0.012 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

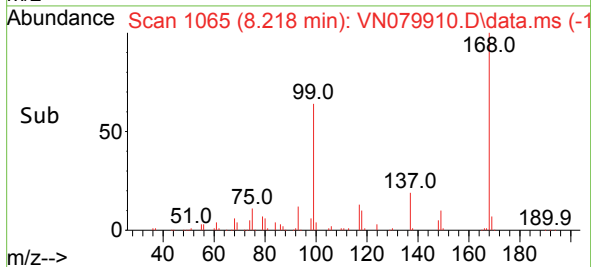
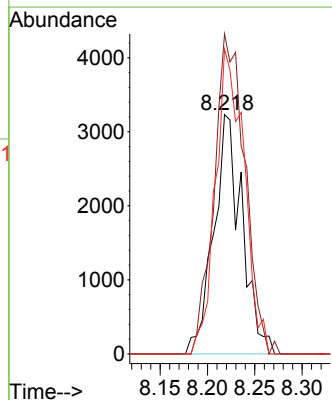
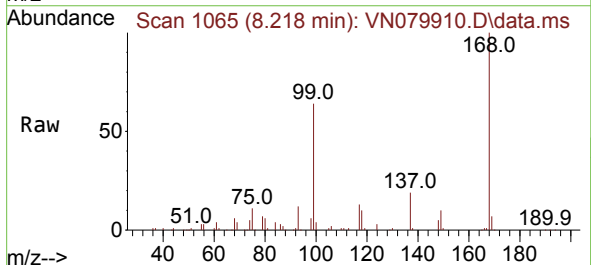
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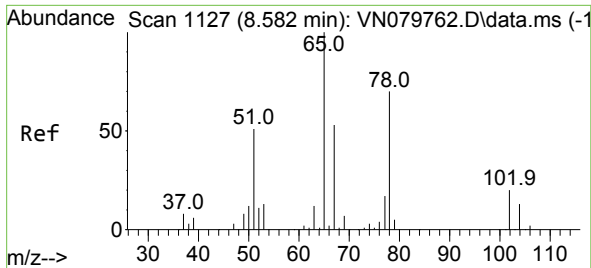
Tgt Ion: 83 Resp: 1920
Ion Ratio Lower Upper
83 100
85 39.2 55.4 83.0#



#31
Cyclohexane
Concen: 1.370 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion: 56 Resp: 6701
Ion Ratio Lower Upper
56 100
69 133.7 26.8 40.2#
84 127.3 81.8 122.6#

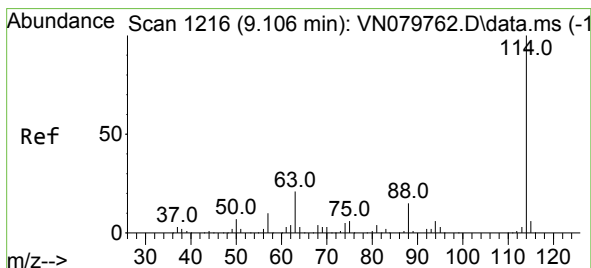
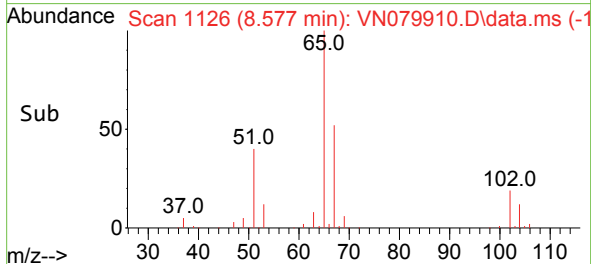
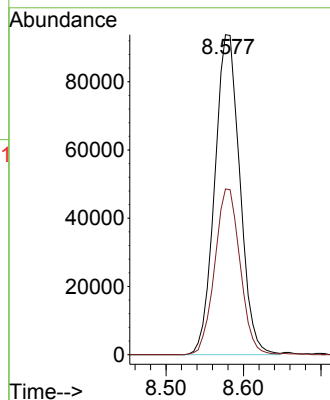
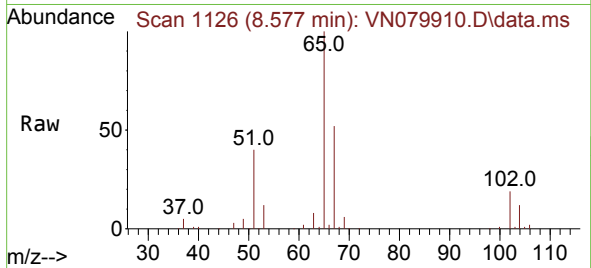




#33
 1,2-Dichloroethane-d4
 Concen: 57.152 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN079910.D
 Acq: 04 Nov 2023 22:03

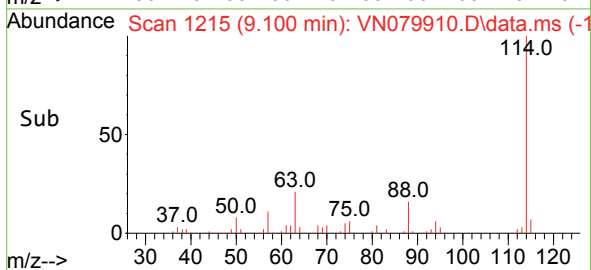
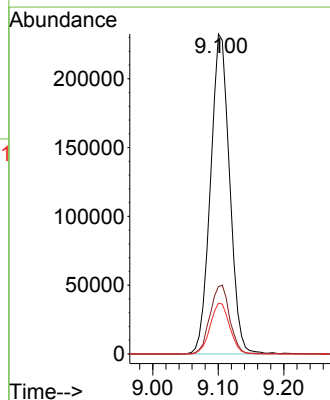
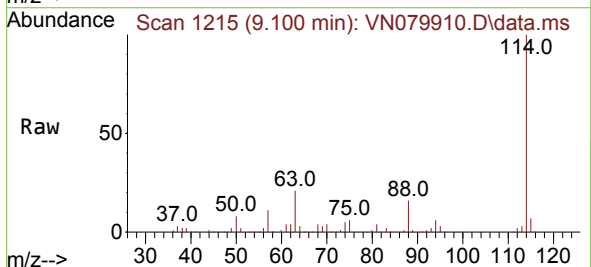
Instrument :
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 ATH-OILY-DEBRIS

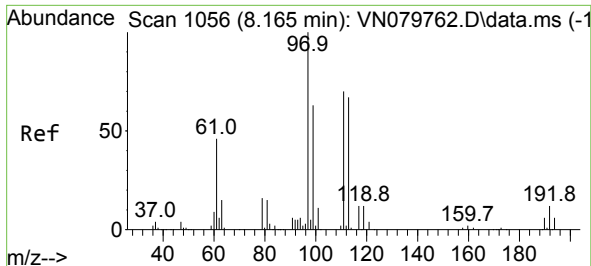
Tgt Ion: 65 Resp: 211496
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: VN079910.D
 Acq: 04 Nov 2023 22:03

Tgt Ion: 114 Resp: 470442
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 36.4
 88 15.8 0.0 30.6

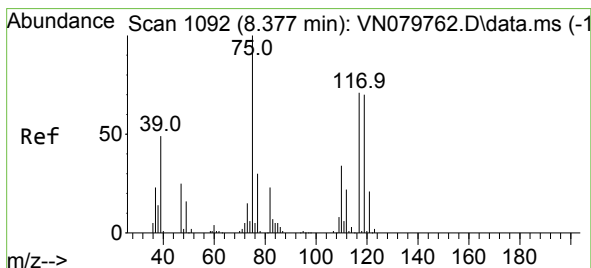
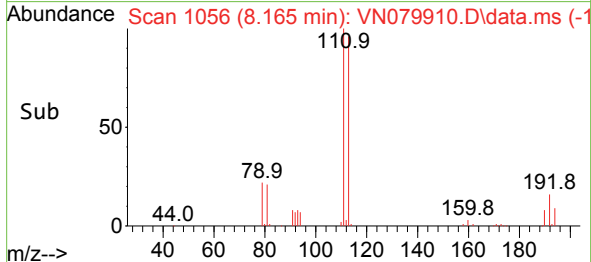
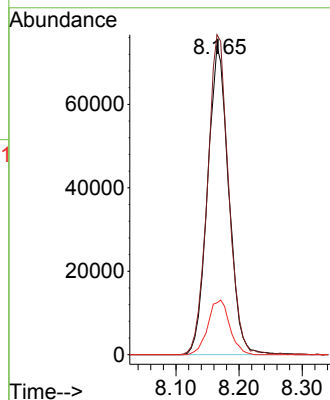
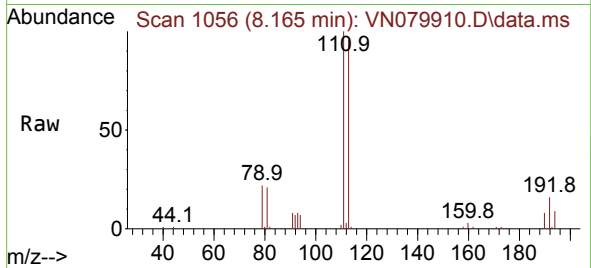




#35
Dibromofluoromethane
Concen: 51.680 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

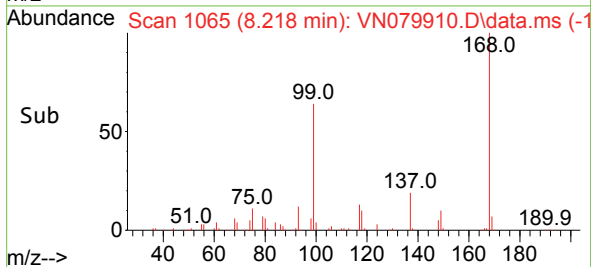
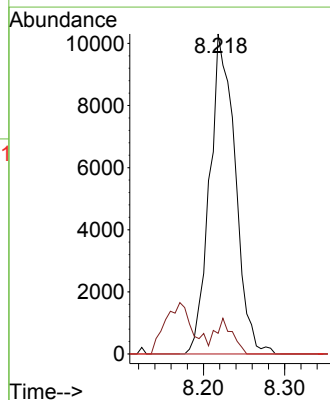
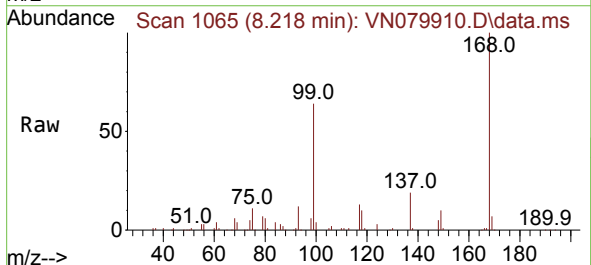
Instrument :
MSVOA_N
ClientSampleId :
ATH-OILY-DEBRIS

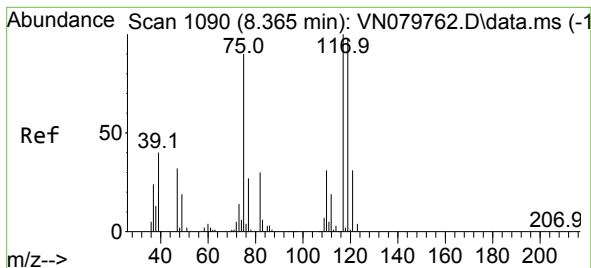
Tgt Ion:113 Resp: 172074
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 18.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion: 75 Resp: 22506
Ion Ratio Lower Upper
75 100
110 7.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN079910.D

Acq: 04 Nov 2023 22:03

Instrument :

MSVOA_N

ClientSampleId :

ATH-OILY-DEBRIS

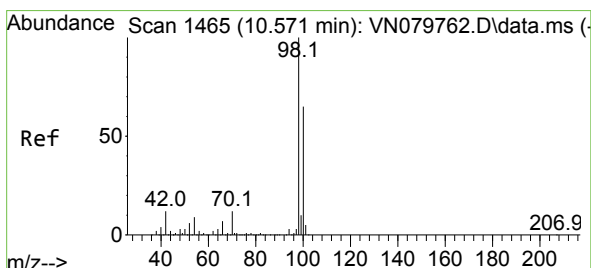
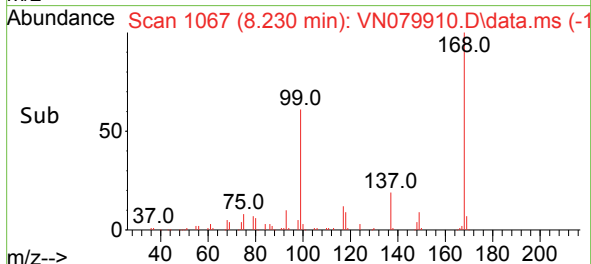
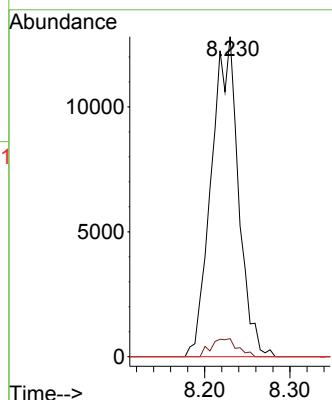
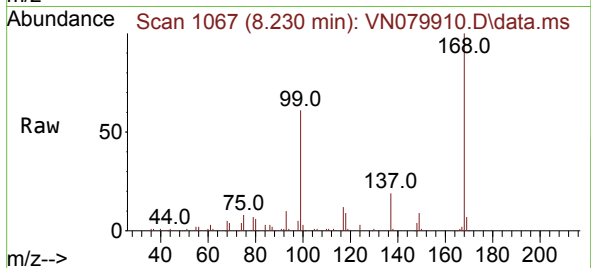
Tgt Ion:117 Resp: 28306

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 51.164 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079910.D

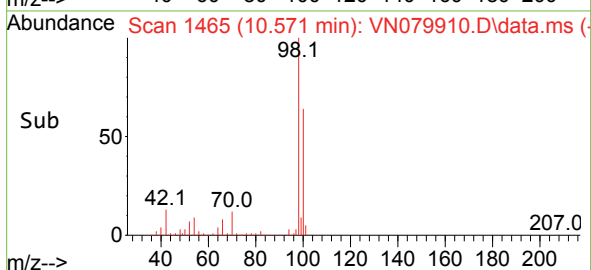
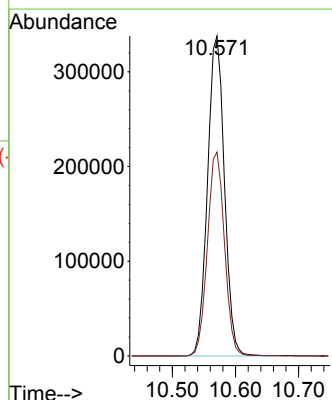
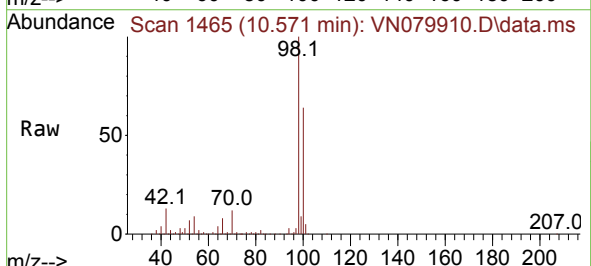
Acq: 04 Nov 2023 22:03

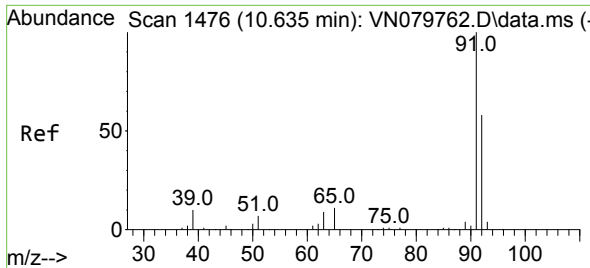
Tgt Ion: 98 Resp: 627141

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

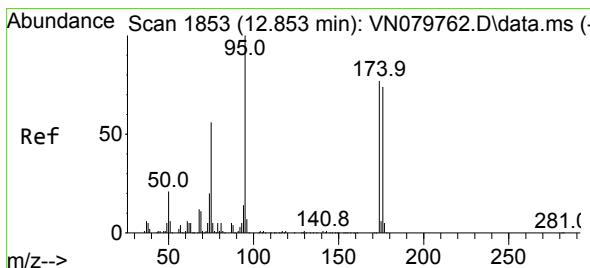
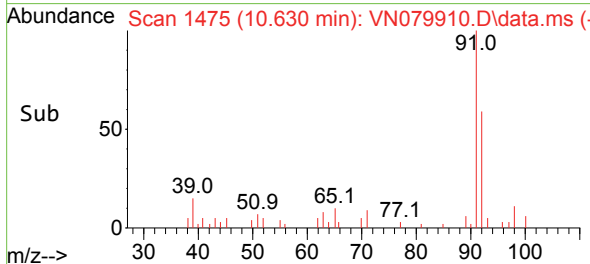
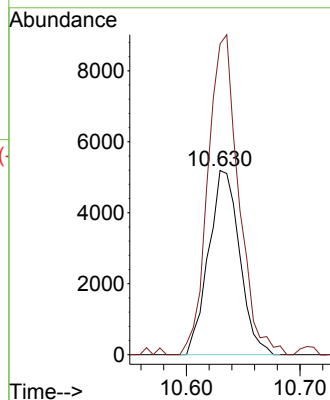
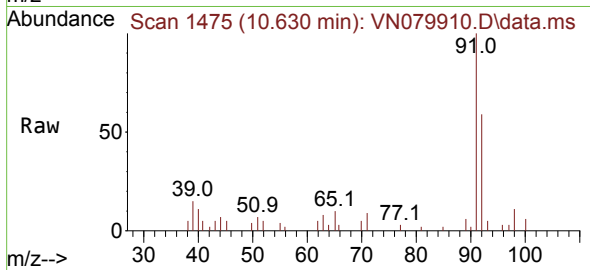




#52
Toluene
Concen: 1.167 ug/l
RT: 10.630 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

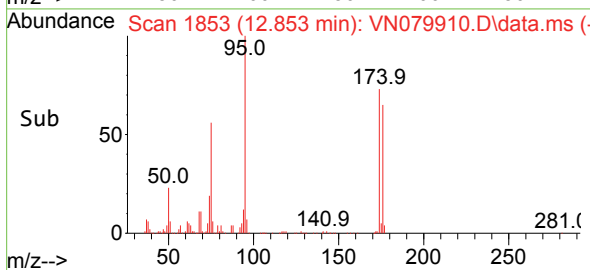
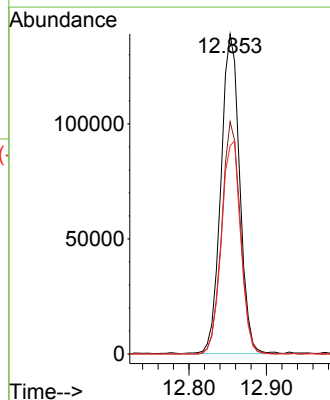
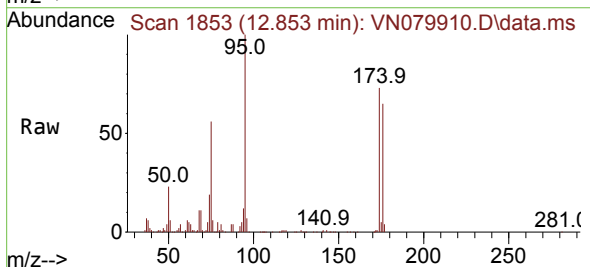
Instrument :
MSVOA_N
ClientSampleId :
ATH-OILY-DEBRIS

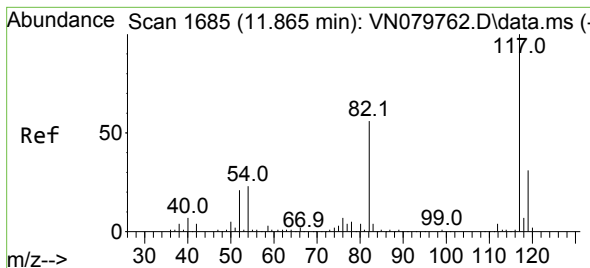
Tgt Ion: 92 Resp: 9850
Ion Ratio Lower Upper
92 100
91 171.8 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 57.342 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion: 95 Resp: 233104
Ion Ratio Lower Upper
95 100
174 72.6 0.0 143.8
176 68.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079910.D

Acq: 04 Nov 2023 22:03

Instrument :

MSVOA_N

ClientSampleId :

ATH-OILY-DEBRIS

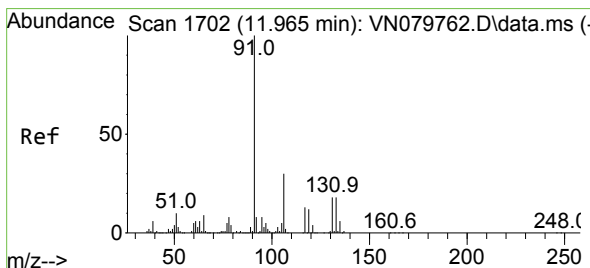
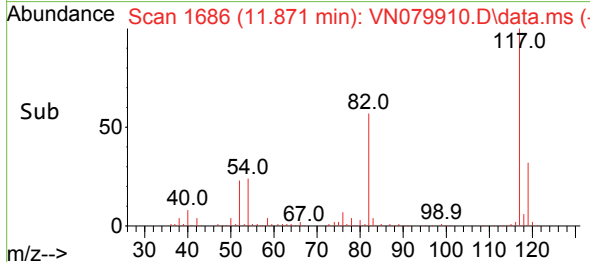
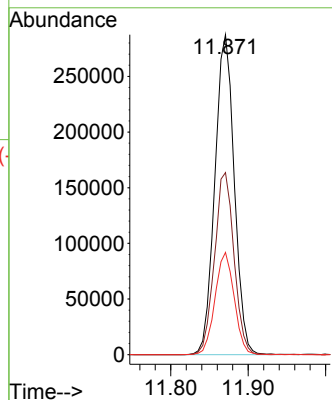
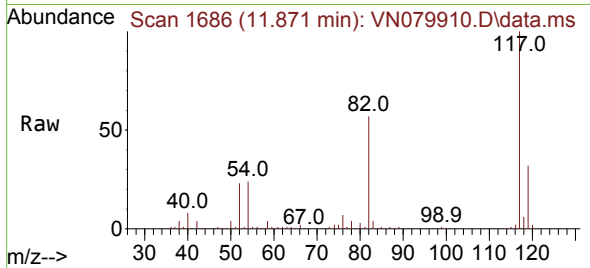
Tgt Ion:117 Resp: 500932

Ion Ratio Lower Upper

117 100

82 56.9 44.0 66.0

119 31.9 25.6 38.4



#67

Ethyl Benzene

Concen: 0.277 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN079910.D

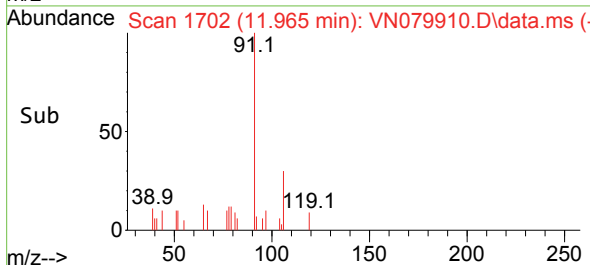
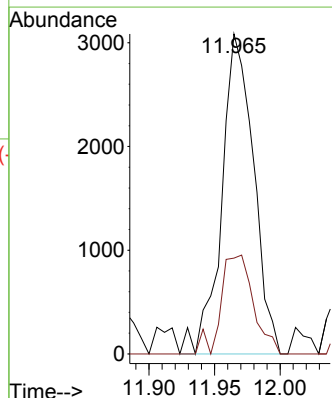
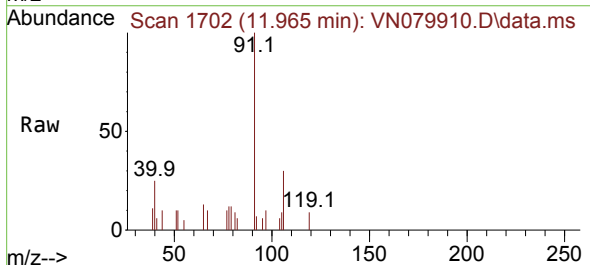
Acq: 04 Nov 2023 22:03

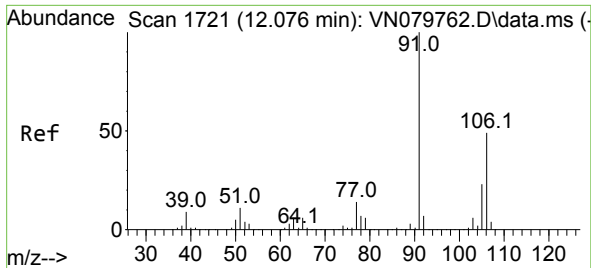
Tgt Ion: 91 Resp: 5236

Ion Ratio Lower Upper

91 100

106 29.9 25.6 38.4

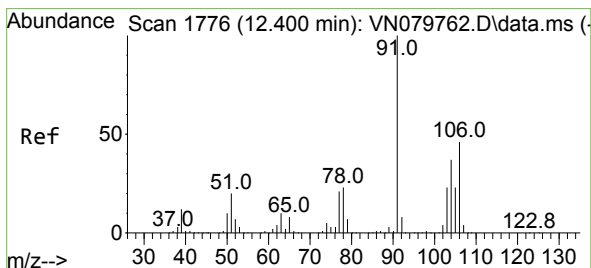
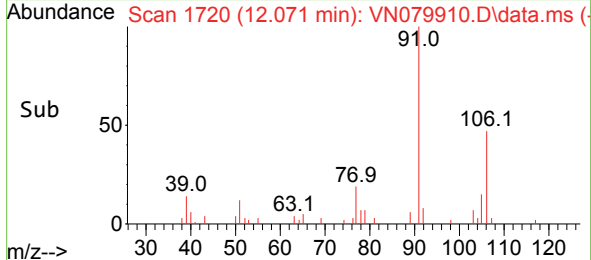
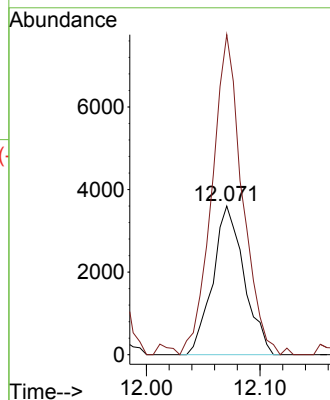
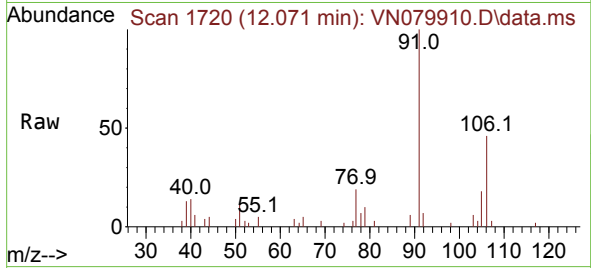




#68
m/p-Xylenes
Concen: 0.980 ug/l
RT: 12.071 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

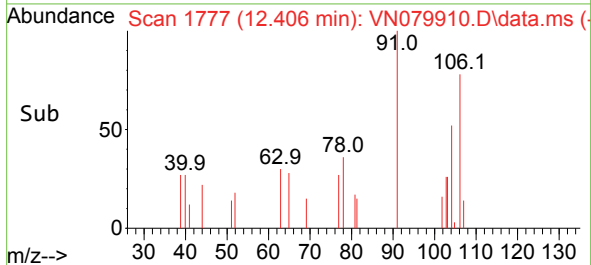
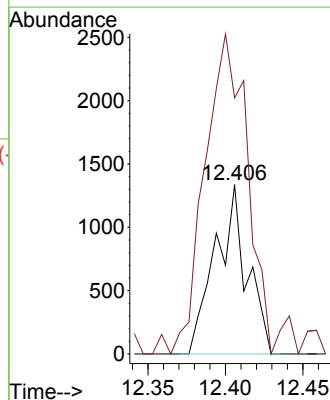
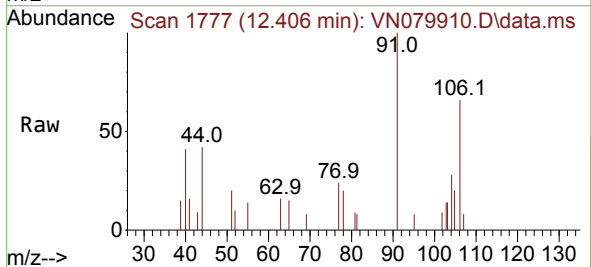
Instrument :
MSVOA_N
ClientSampleId :
ATH-OILY-DEBRIS

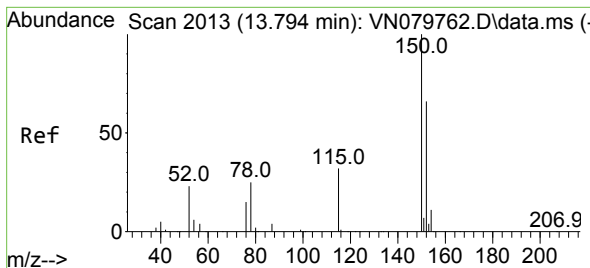
Tgt Ion:106 Resp: 6910
Ion Ratio Lower Upper
106 100
91 208.8 159.6 239.4



#69
o-Xylene
Concen: 0.279 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

Tgt Ion:106 Resp: 1894
Ion Ratio Lower Upper
106 100
91 258.5 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079910.D

Acq: 04 Nov 2023 22:03

Instrument :

MSVOA_N

ClientSampleId :

ATH-OILY-DEBRIS

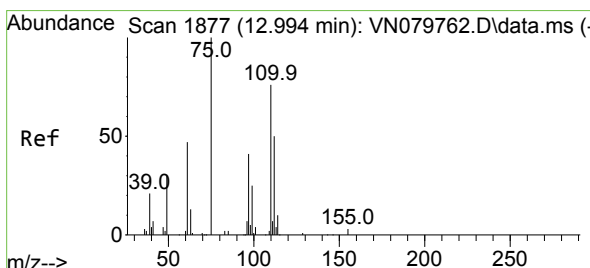
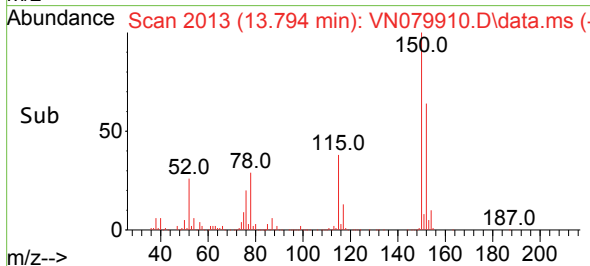
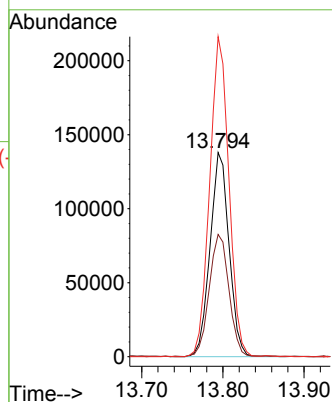
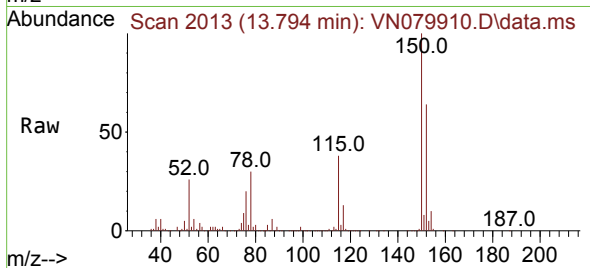
Tgt Ion:152 Resp: 224047

Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 158.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.189 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079910.D

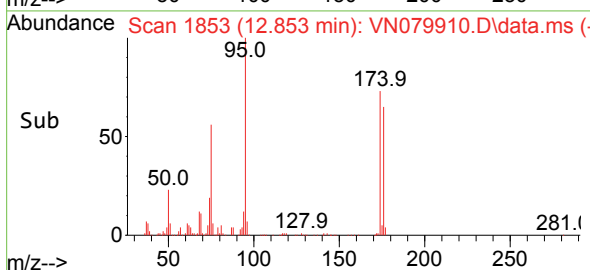
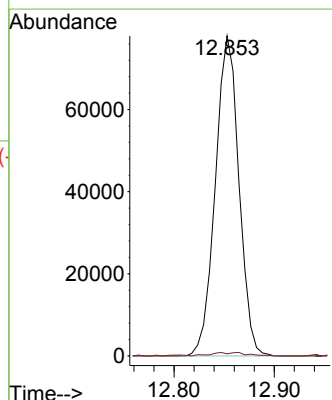
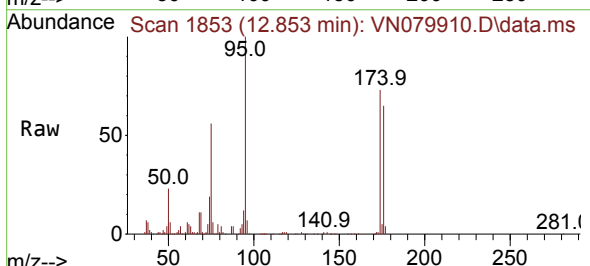
Acq: 04 Nov 2023 22:03

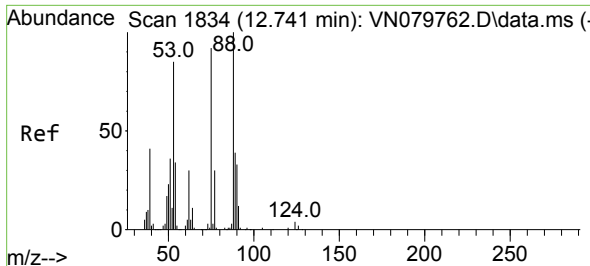
Tgt Ion: 75 Resp: 127233

Ion Ratio Lower Upper

75 100

77 0.8 84.5 253.5#

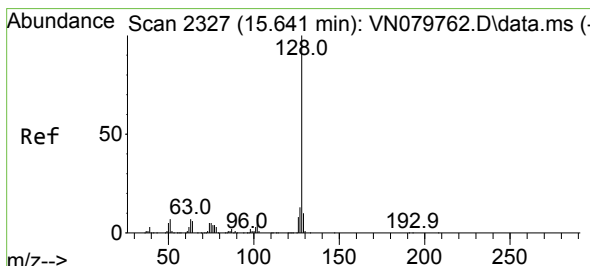
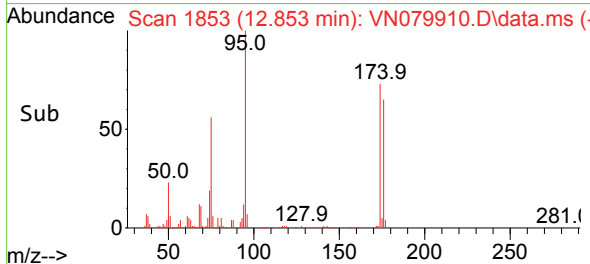
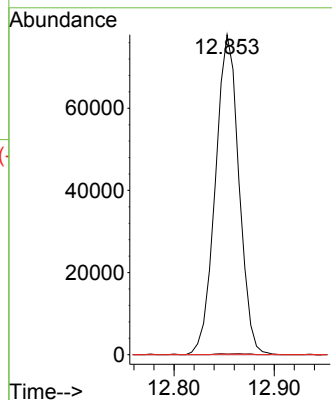
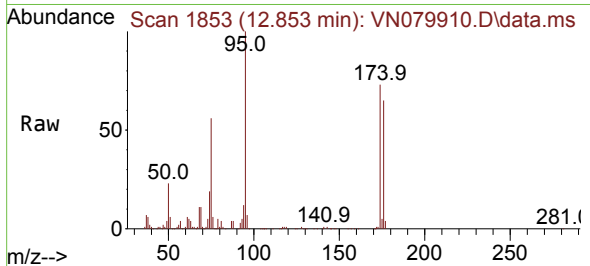




#81
trans-1,4-Dichloro-2-butene
Concen: 65.812 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

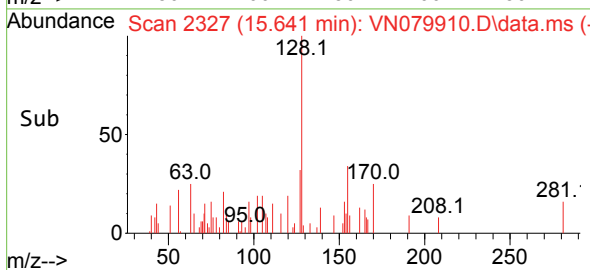
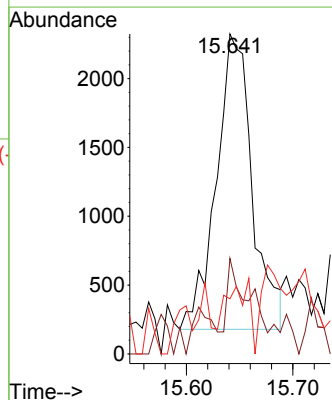
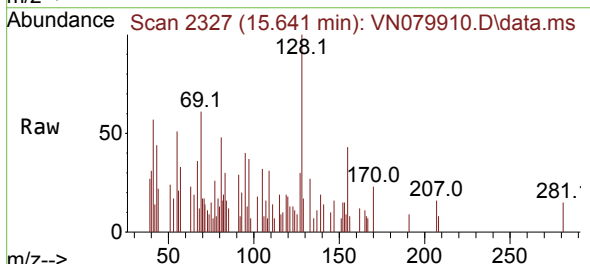
Instrument :
MSVOA_N
ClientSampleId :
ATH-OILY-DEBRIS

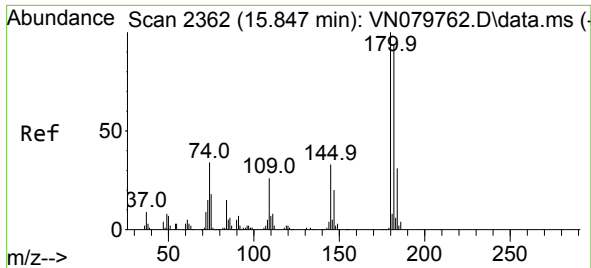
Tgt Ion: 75 Resp: 127233
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.426 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN079910.D
Acq: 04 Nov 2023 22:03

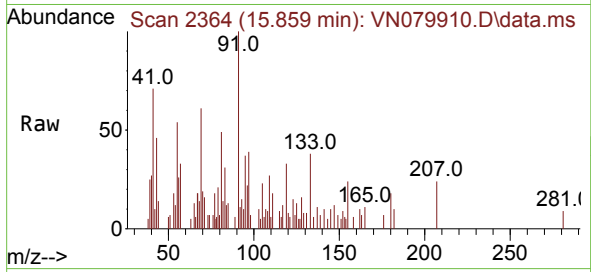
Tgt Ion:128 Resp: 5024
Ion Ratio Lower Upper
128 100
127 14.4 10.0 15.0
129 15.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.376 ug/l
 RT: 15.859 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN079910.D
 Acq: 04 Nov 2023 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 PATH-OILY-DEBRIS



Tgt Ion:180 Resp: 1280
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.2 138.6#
 145 0.0 17.5 52.6#

