

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078426.D
 Acq On : 27 Jun 2023 19:05
 Operator : JC\MD
 Sample : 03417-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1622

Quant Time: Jun 28 07:14:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

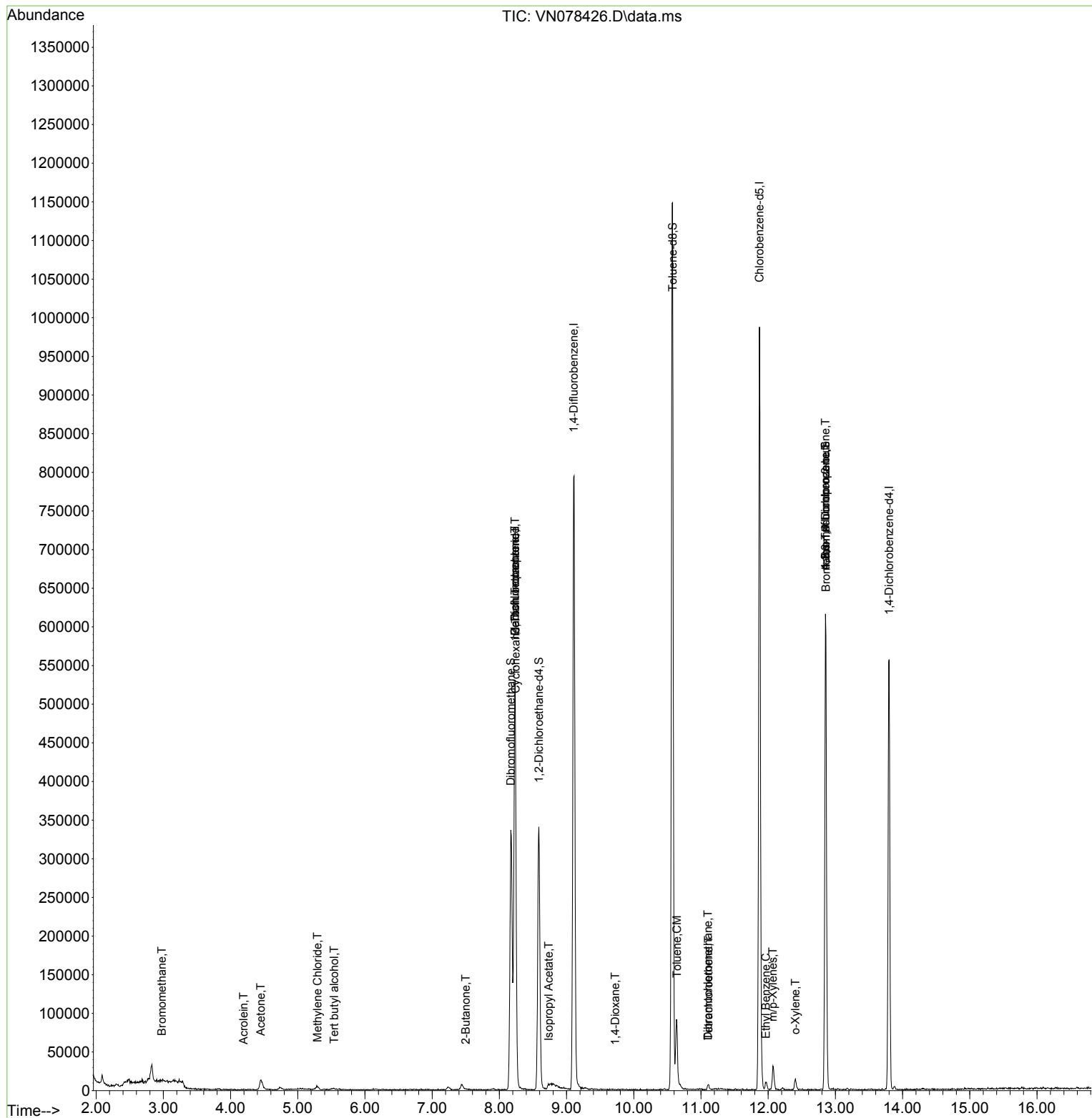
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	386139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	719475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	593554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	157866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	280084	54.402	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.800%
35) Dibromofluoromethane	8.171	113	245305	53.923	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.840%
50) Toluene-d8	10.576	98	851643	48.561	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.120%
62) 4-Bromofluorobenzene	12.853	95	220049	40.362	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	80.720%#
Target Compounds						Qvalue
3) Chloromethane	2.377	50	937	Below Cal	#	42
5) Bromomethane	2.977	94	2234	0.517	ug/l #	30
11) Tert butyl alcohol	5.542	59	1428	2.009	ug/l #	72
13) Acrolein	4.195	56	291	0.371	ug/l	86
16) Acetone	4.447	43	24229	16.350	ug/l	95
20) Methylene Chloride	5.294	84	3166	0.647	ug/l #	82
25) 2-Butanone	7.500	43	842	0.369	ug/l #	37
31) Cyclohexane	8.241	56	9714	1.471	ug/l #	56
36) 1,1-Dichloropropene	8.230	75	31746	4.865	ug/l #	49
38) Carbon Tetrachloride	8.235	117	43735	6.348	ug/l #	14
43) Isopropyl Acetate	8.735	43	3878	0.398	ug/l #	49
49) 1,4-Dioxane	9.724	88	60	0.698	ug/l #	1
52) Toluene	10.641	92	38453	3.126	ug/l	100
60) Dibromochloromethane	11.106	129	1596	0.313	ug/l #	11
64) Tetrachloroethene	11.112	164	1796	0.454	ug/l #	51
67) Ethyl Benzene	11.965	91	7427	0.339	ug/l	96
68) m/p-Xylenes	12.070	106	10193	1.219	ug/l	99
69) o-Xylene	12.406	106	3659	0.446	ug/l	97
71) Bromoform	12.859	173	2196	0.728	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.006	83	76	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	115749	31.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115749	95.288	ug/l #	15

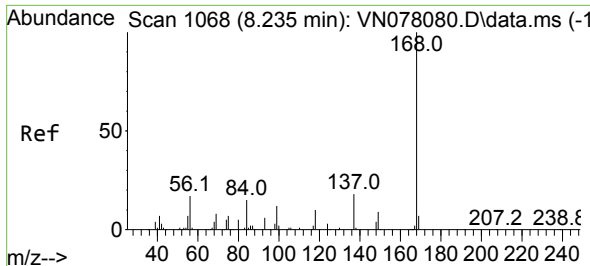
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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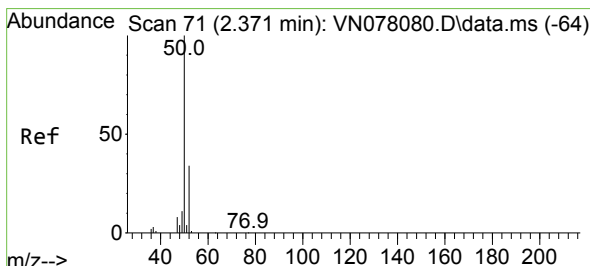
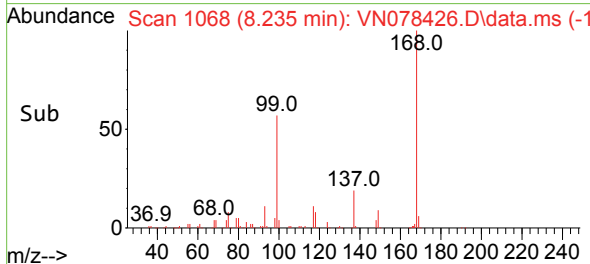
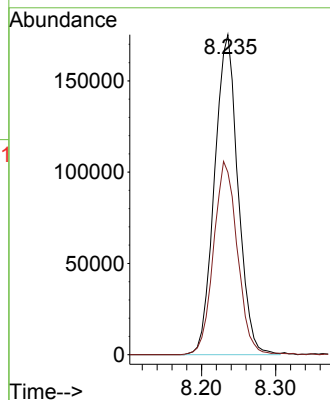
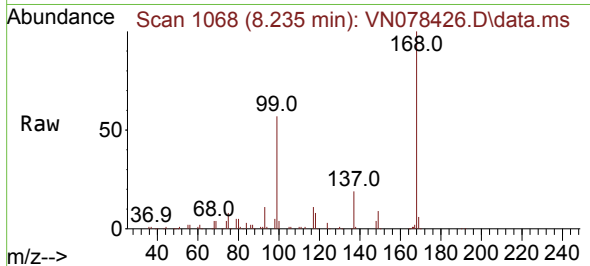




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

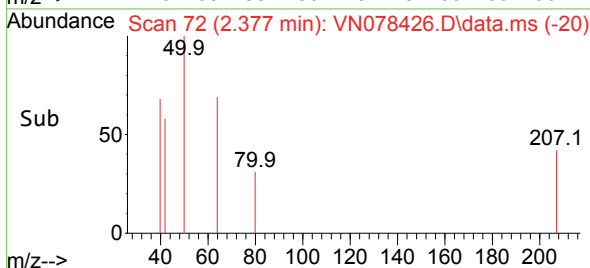
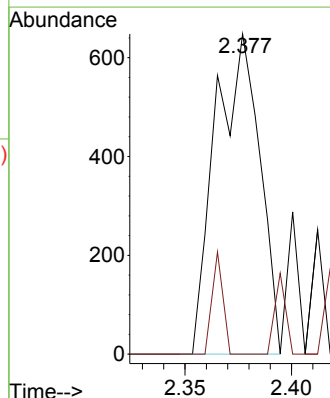
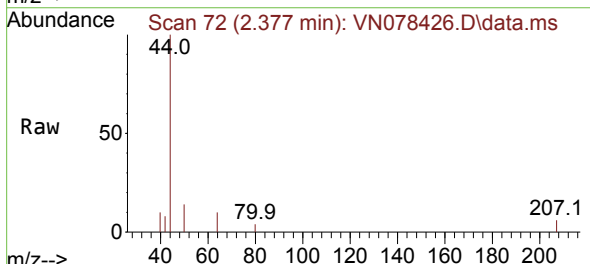
Instrument :
MSVOA_N
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1622

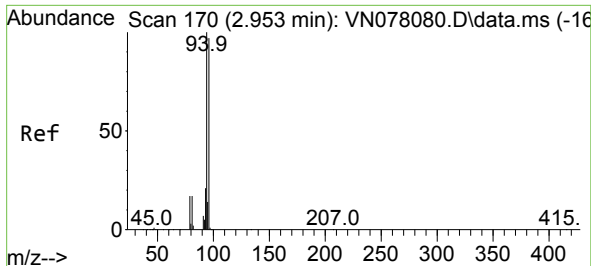
Tgt Ion:168 Resp: 386139
Ion Ratio Lower Upper
168 100
99 57.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 50 Resp: 937
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

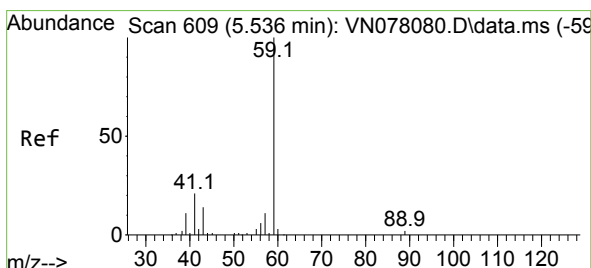
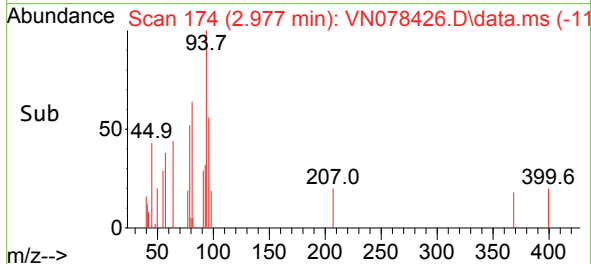
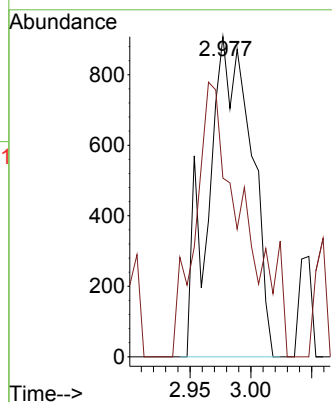
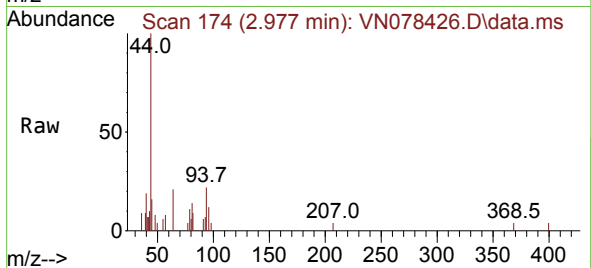




#5
Bromomethane
Concen: 0.517 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

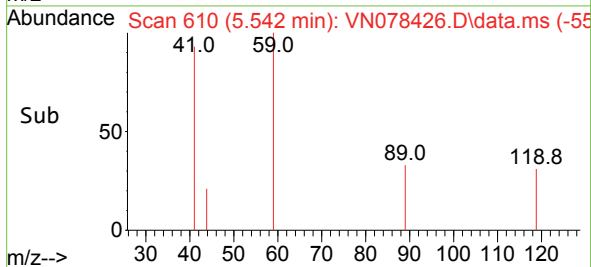
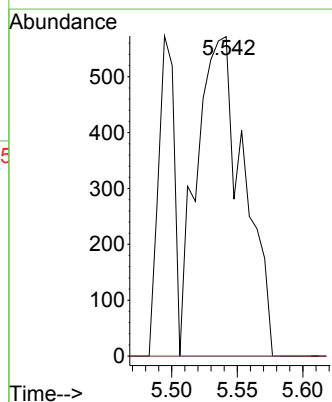
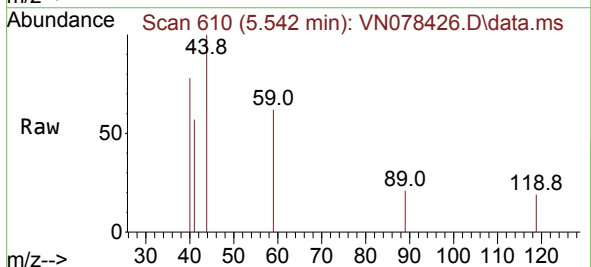
Instrument :
MSVOA_N
ClientSampleId :
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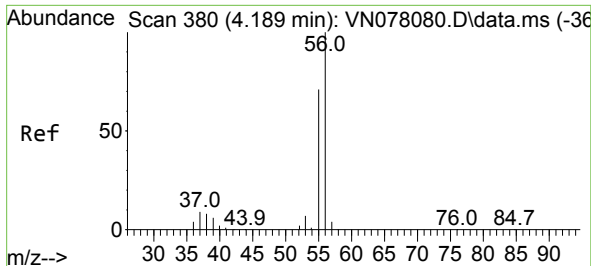
Tgt Ion: 94 Resp: 2234
Ion Ratio Lower Upper
94 100
96 24.8 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.009 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 59 Resp: 1428
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.371 ug/l

RT: 4.195 min Scan# 380

Delta R.T. 0.006 min

Lab File: VN078426.D

Acq: 27 Jun 2023 19:05

Instrument :

MSVOA_N

ClientSampleId :

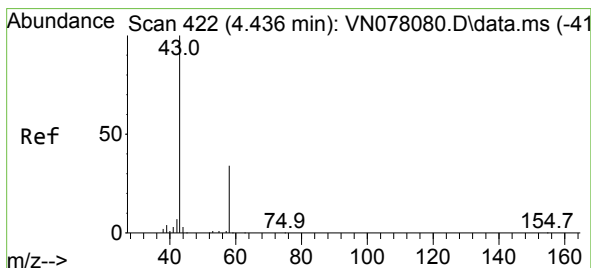
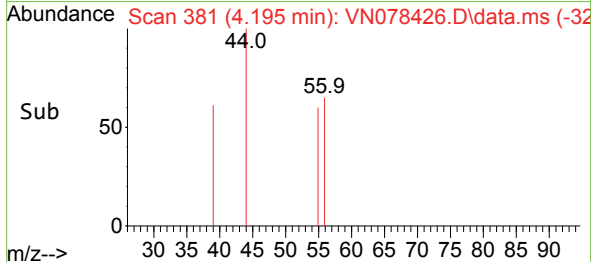
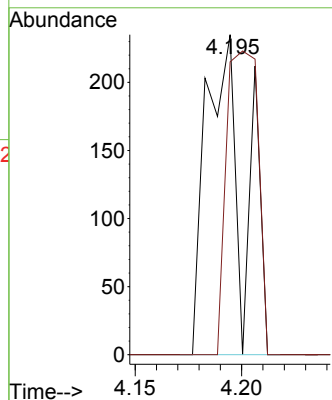
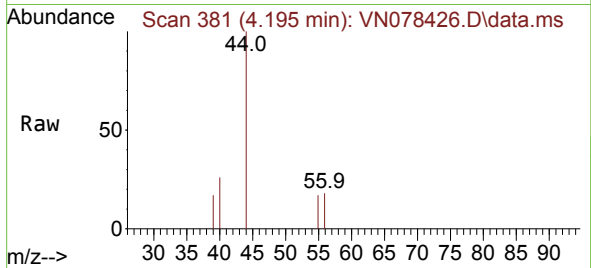
1622

Tgt Ion: 56 Resp: 291

Ion Ratio Lower Upper

56 100

55 79.4 54.5 81.7



#16

Acetone

Concen: 16.350 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.012 min

Lab File: VN078426.D

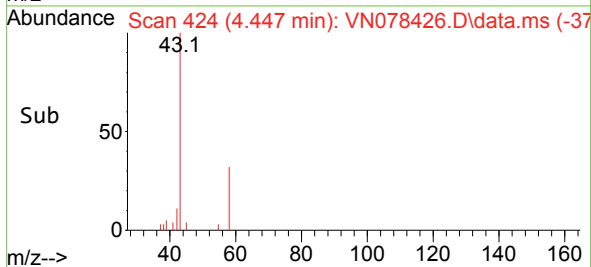
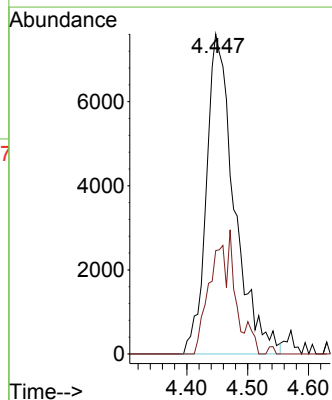
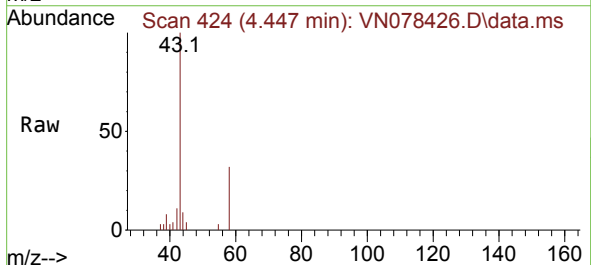
Acq: 27 Jun 2023 19:05

Tgt Ion: 43 Resp: 24229

Ion Ratio Lower Upper

43 100

58 32.3 28.0 42.0

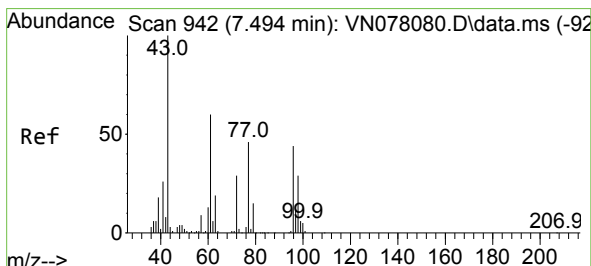
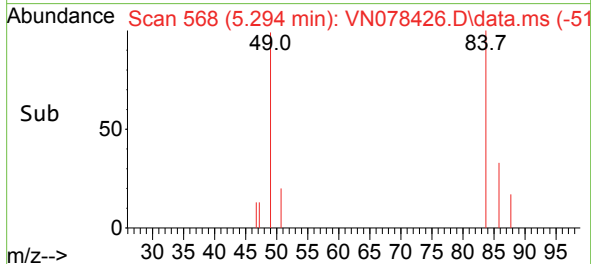
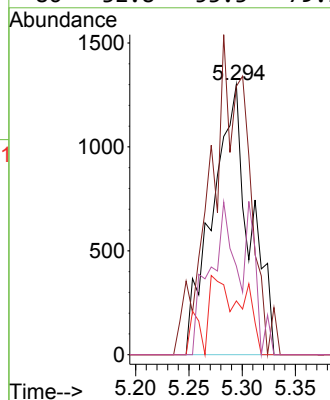
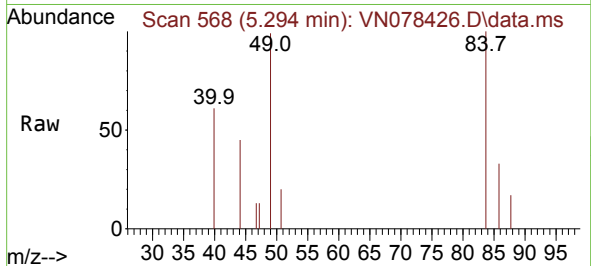




#20
Methylene Chloride
Concen: 0.647 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

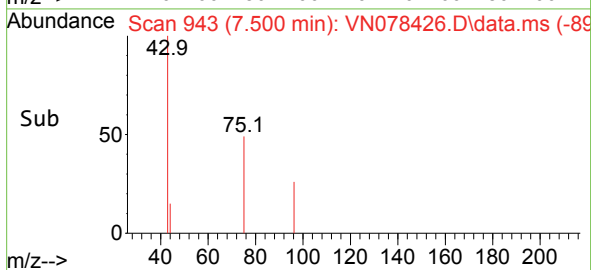
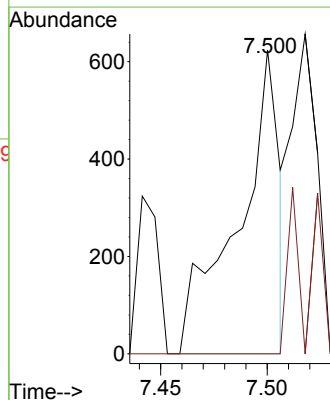
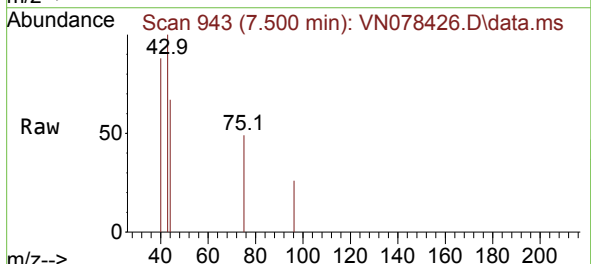
Instrument :
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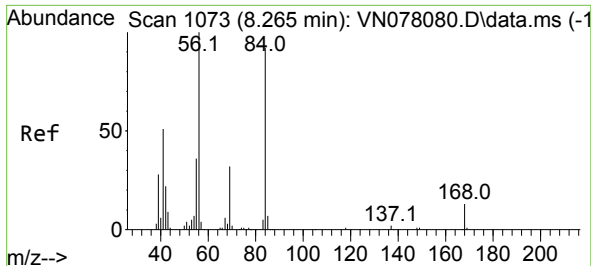
Tgt Ion: 84	Resp: 3166
Ion Ratio	Lower Upper
84 100	
49 99.3	79.7 119.5
51 19.9	25.2 37.8#
86 32.8	53.3 79.9#



#25
2-Butanone
Concen: 0.369 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 43	Resp: 842		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	30.2	45.2#	

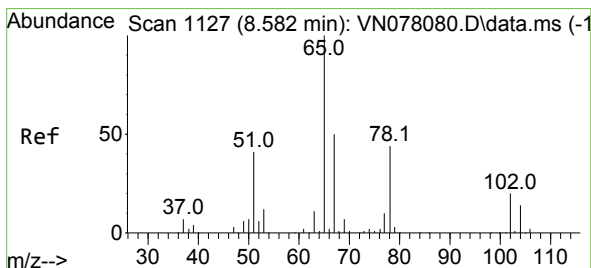
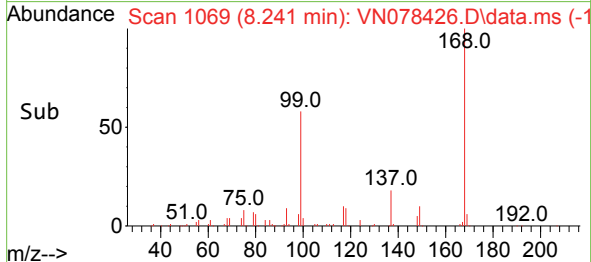
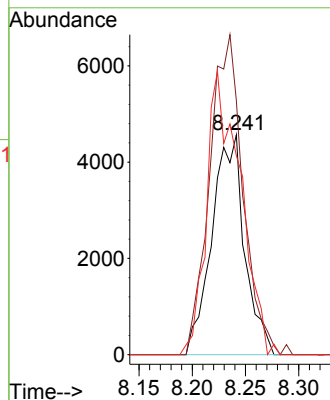
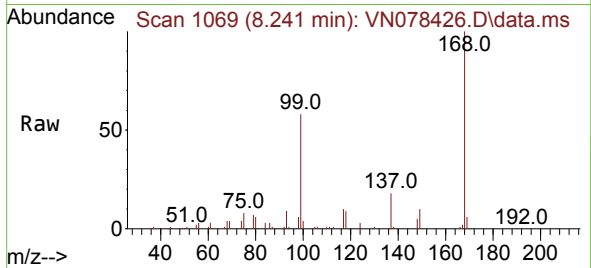




#31
Cyclohexane
Concen: 1.471 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

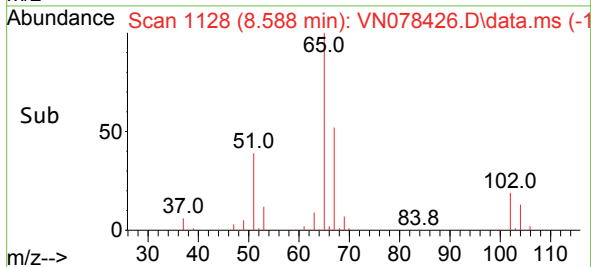
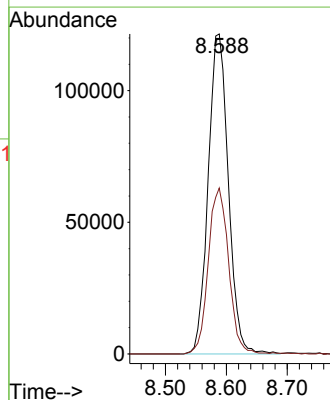
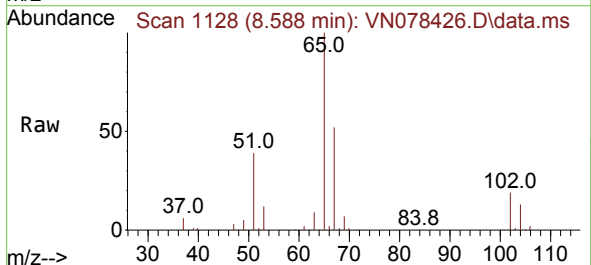
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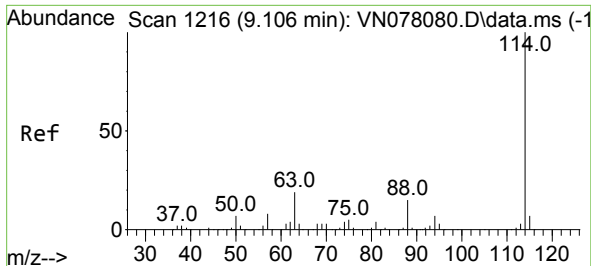
Tgt Ion: 56 Resp: 9714
Ion Ratio Lower Upper
56 100
69 115.6 26.8 40.2#
84 90.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.402 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 65 Resp: 280084
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6

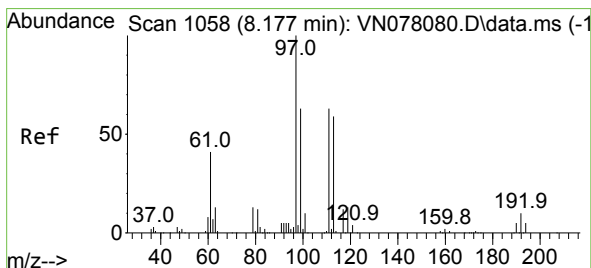
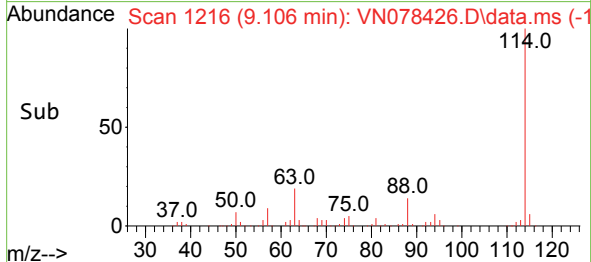
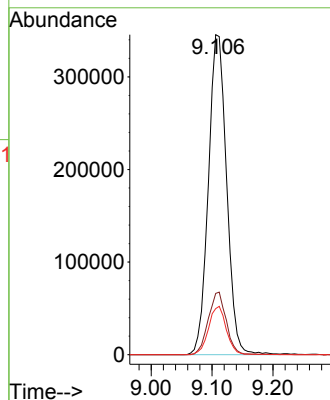
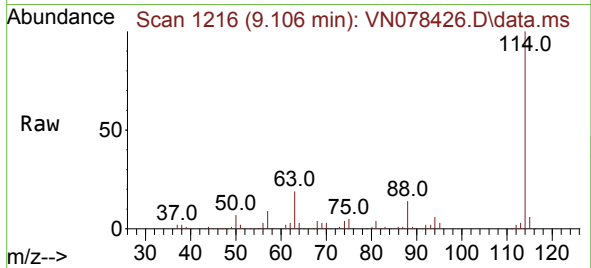




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

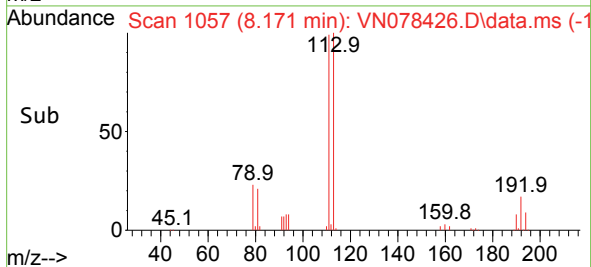
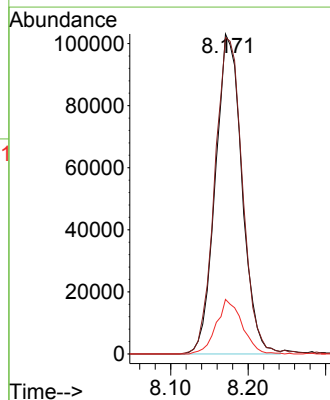
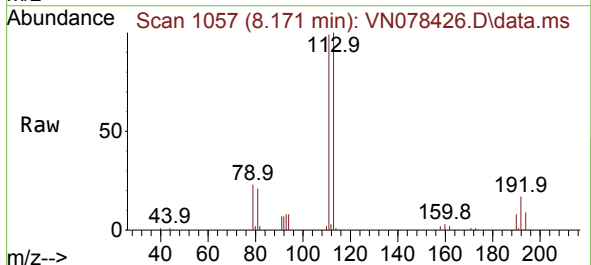
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Tgt Ion:114 Resp: 719475
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.923 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion:113 Resp: 245305
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 16.6 12.7 19.1

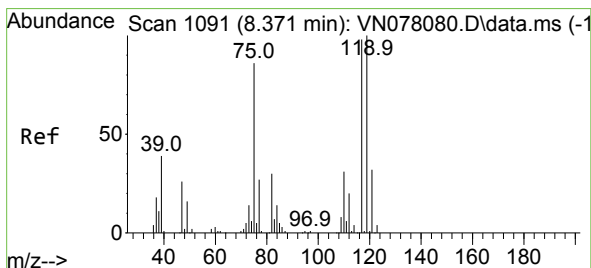
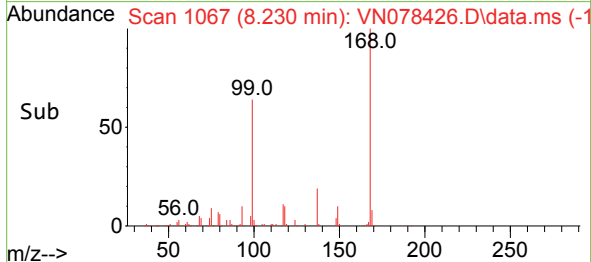
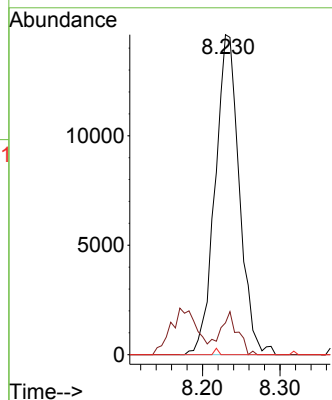
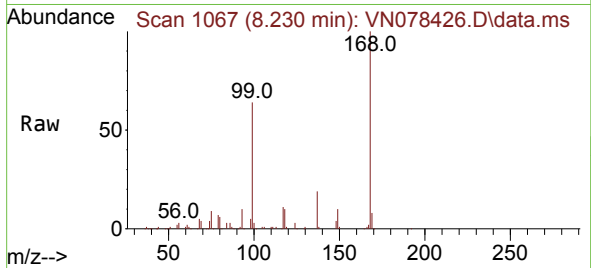




#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

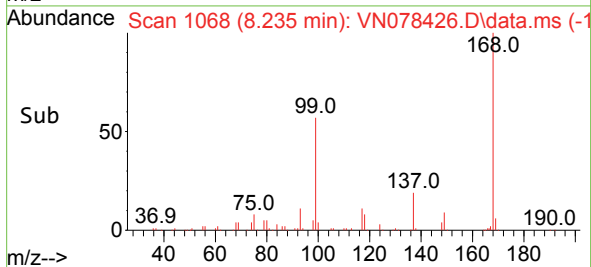
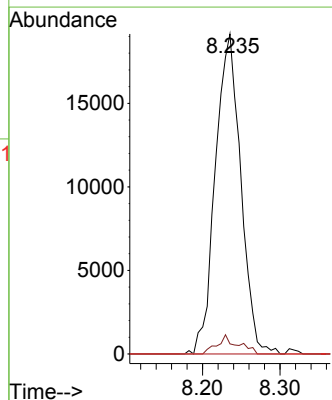
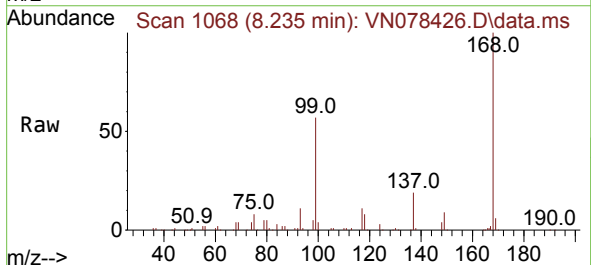
Instrument :
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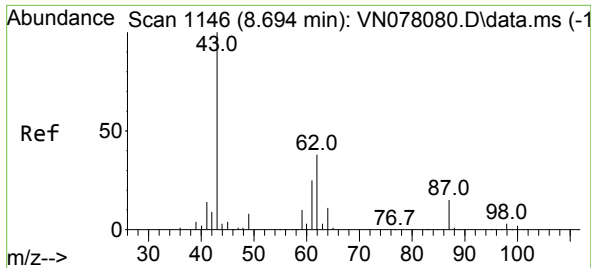
Tgt Ion: 75 Resp: 31746
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.3 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.348 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 117 Resp: 43735
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 23.3 34.9#

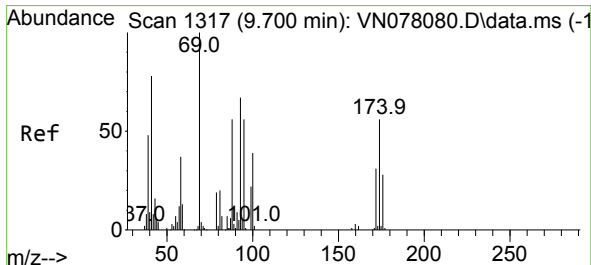
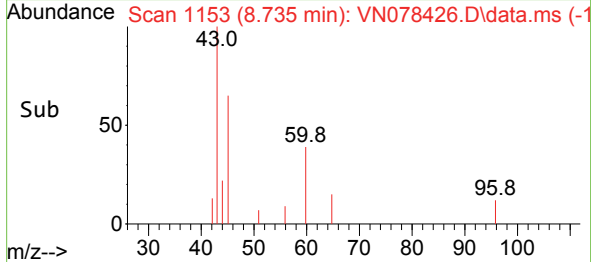
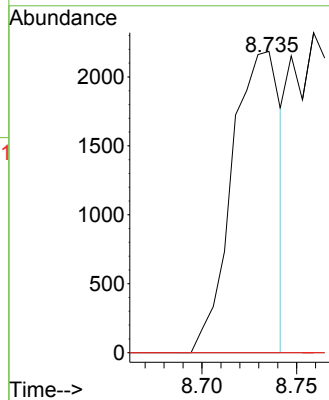
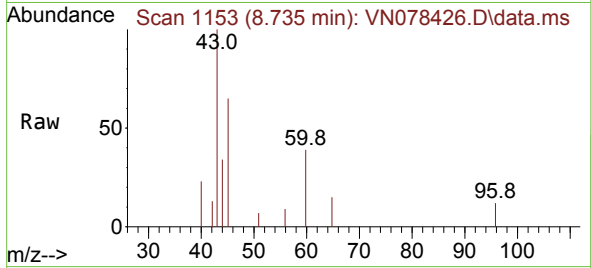




#43
Isopropyl Acetate
Concen: 0.398 ug/l
RT: 8.735 min Scan# 1146
Delta R.T. 0.041 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

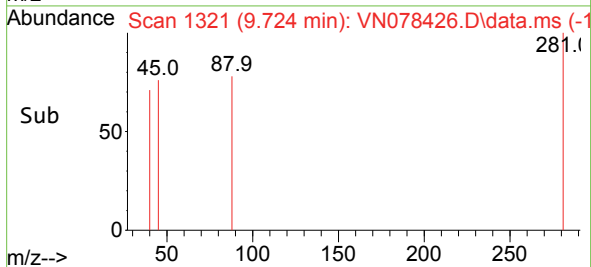
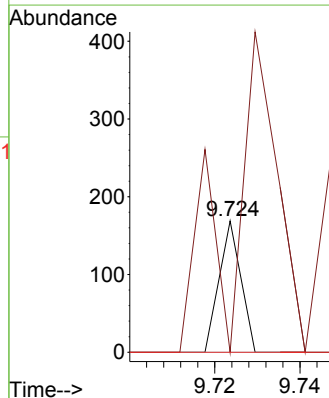
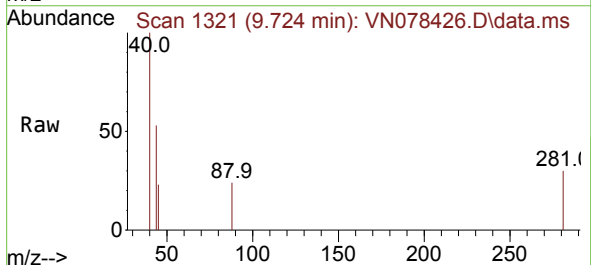
Instrument :
MSVOA_N
ClientSampleId :
1622

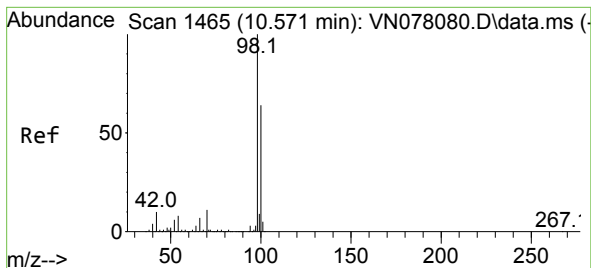
Tgt Ion: 43 Resp: 3878
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#49
1,4-Dioxane
Concen: 0.698 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.024 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 520.0 17.0 25.6#
58 0.0 47.0 70.4#

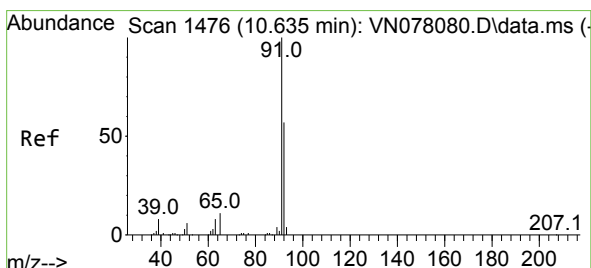
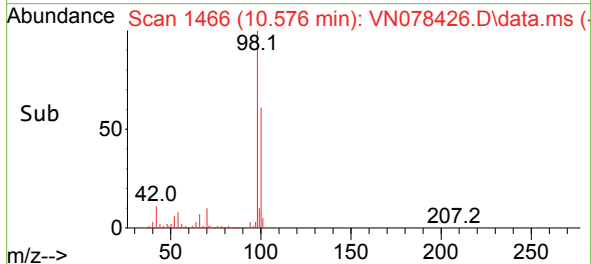
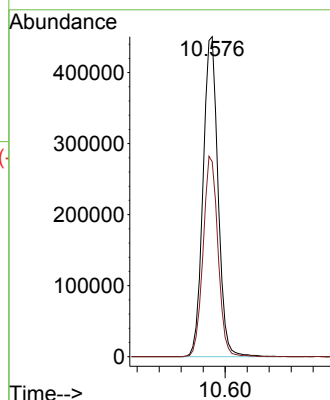
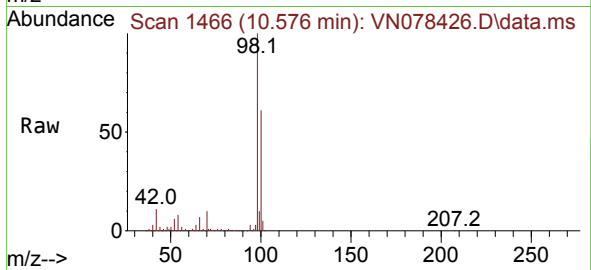




#50
Toluene-d8
Concen: 48.561 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

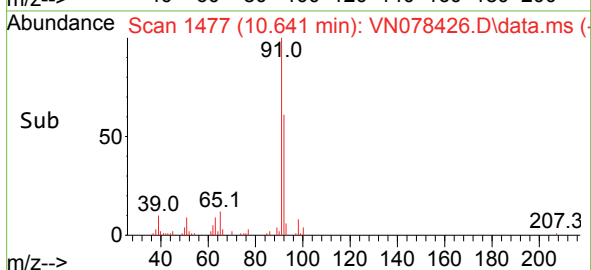
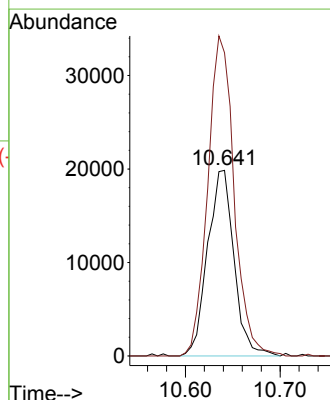
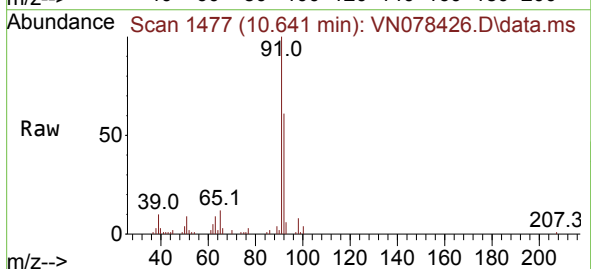
Instrument :
MSVOA_N
ClientSampleId :
1622

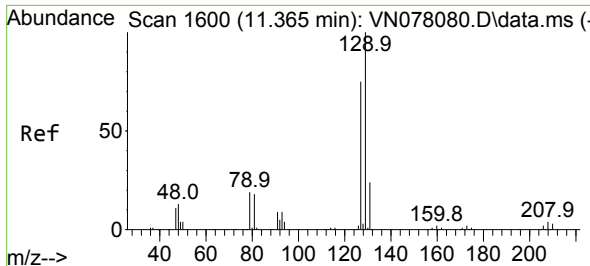
Tgt Ion: 98 Resp: 851643
Ion Ratio Lower Upper
98 100
100 62.2 52.0 78.0



#52
Toluene
Concen: 3.126 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 92 Resp: 38453
Ion Ratio Lower Upper
92 100
91 172.3 137.4 206.0

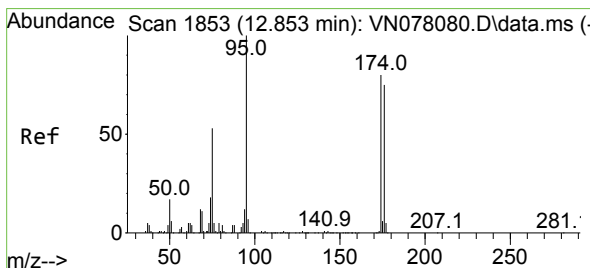
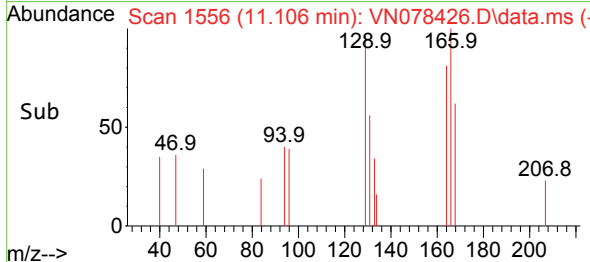
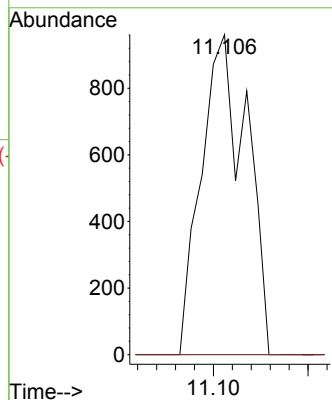
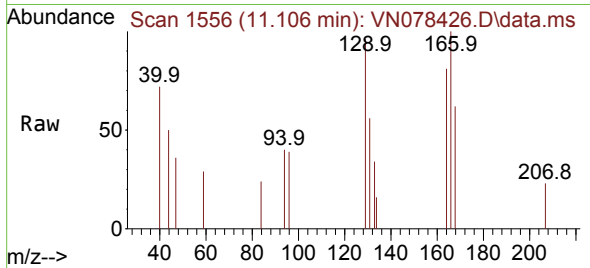




#60
Dibromochloromethane
Concen: 0.313 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

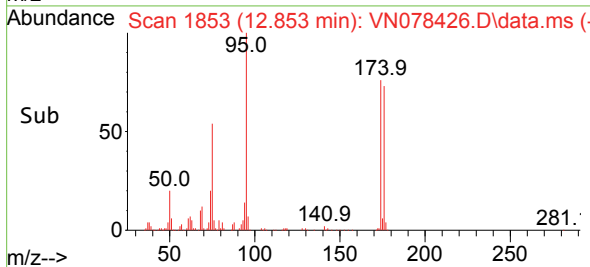
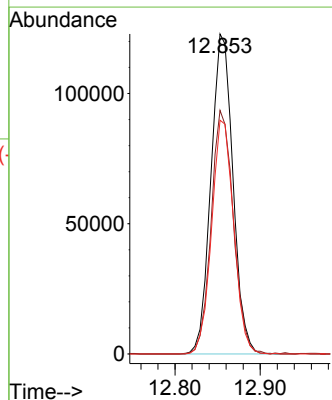
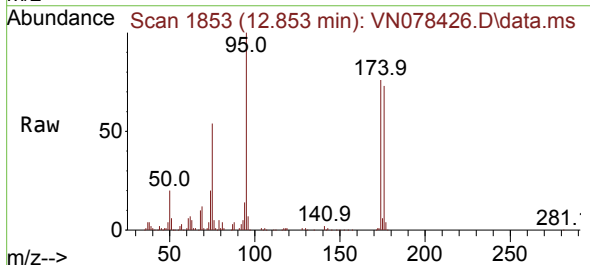
Instrument :
MSVOA_N
ClientSampleId :
1622

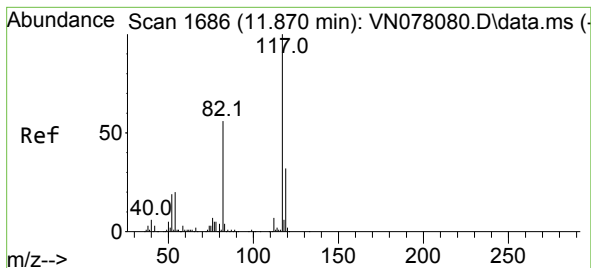
Tgt Ion:129 Resp: 1596
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 40.362 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 95 Resp: 220049
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 73.3 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: VN078426.D

Acq: 27 Jun 2023 19:05

Instrument :

MSVOA_N

ClientSampleId :

1622

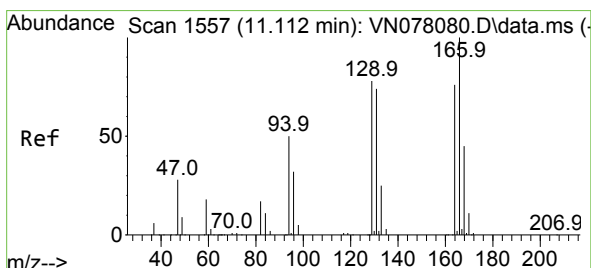
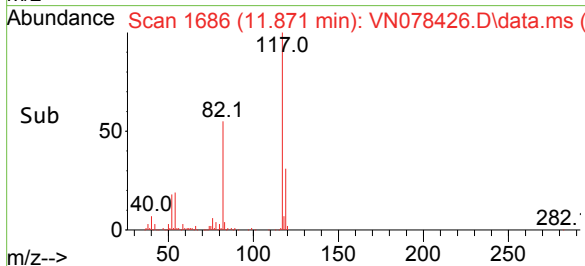
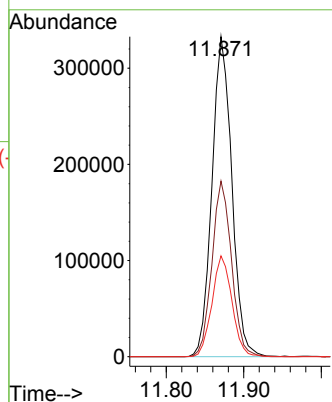
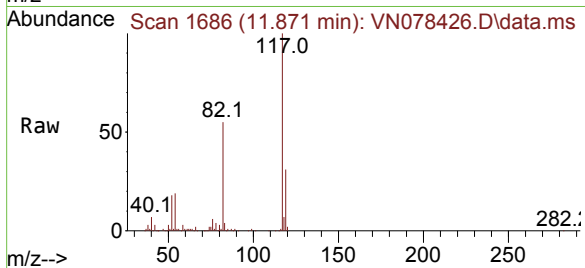
Tgt Ion:117 Resp: 593554

Ion Ratio Lower Upper

117 100

82 54.8 44.0 66.0

119 31.5 25.6 38.4



#64

Tetrachloroethene

Concen: 0.454 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VN078426.D

Acq: 27 Jun 2023 19:05

Tgt Ion:164 Resp: 1796

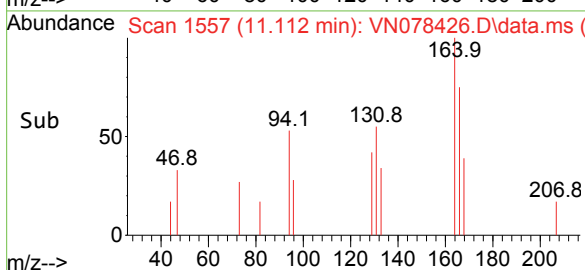
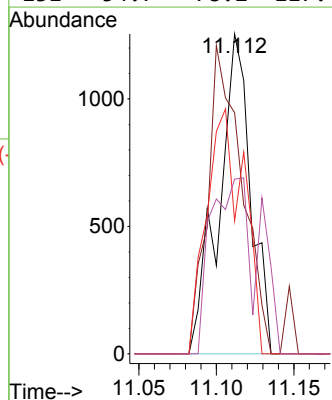
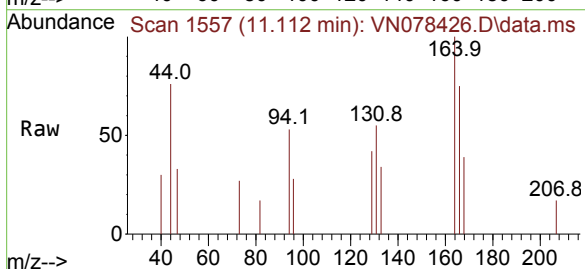
Ion Ratio Lower Upper

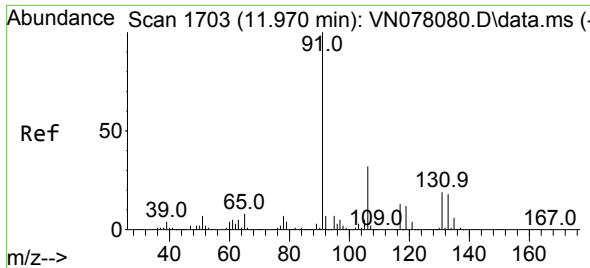
164 100

166 75.4 101.4 152.0#

129 41.6 82.4 123.6#

131 54.7 78.2 117.4#

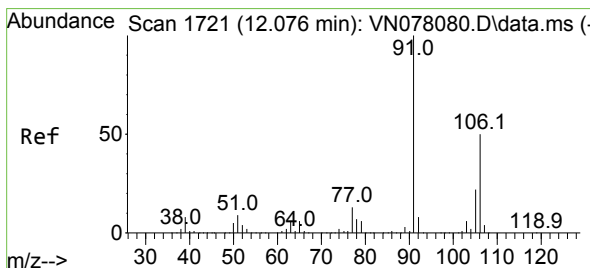
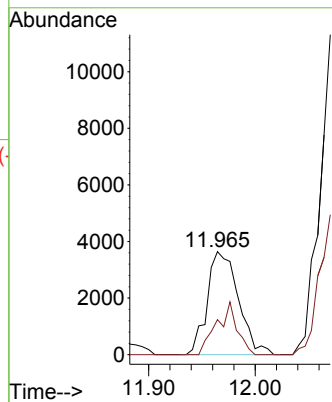
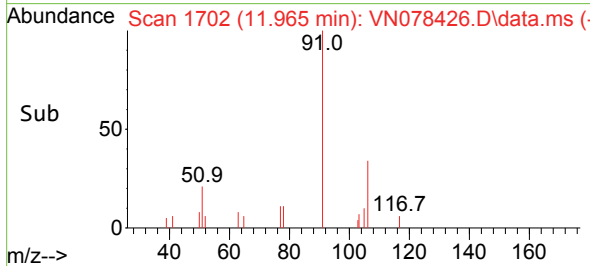
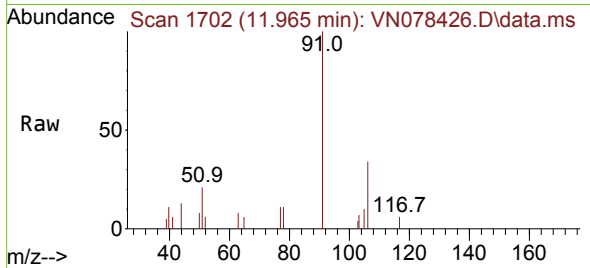




#67
Ethyl Benzene
Concen: 0.339 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

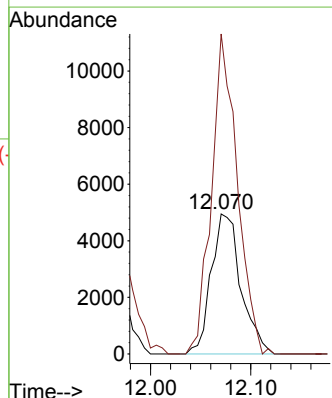
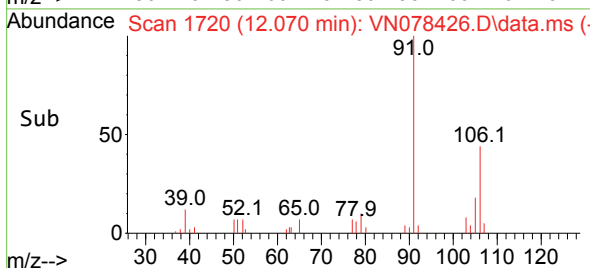
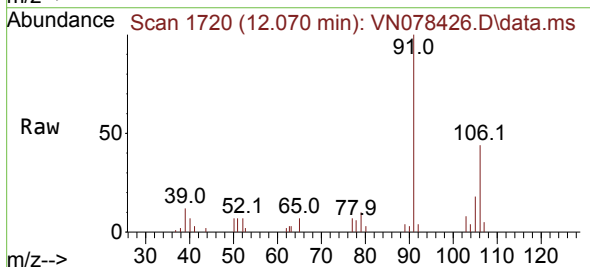
Instrument :
MSVOA_N
ClientSampleId :
1622

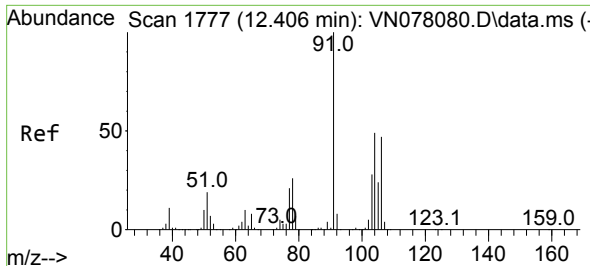
Tgt Ion: 91 Resp: 7427
Ion Ratio Lower Upper
91 100
106 34.1 25.6 38.4



#68
m/p-Xylenes
Concen: 1.219 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 106 Resp: 10193
Ion Ratio Lower Upper
106 100
91 198.4 159.6 239.4

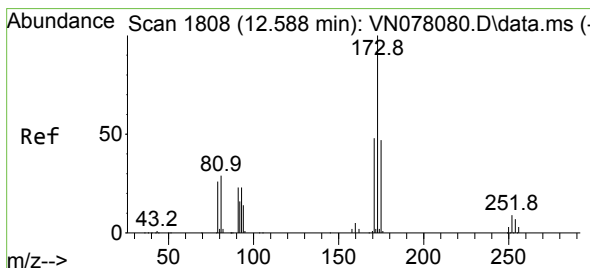
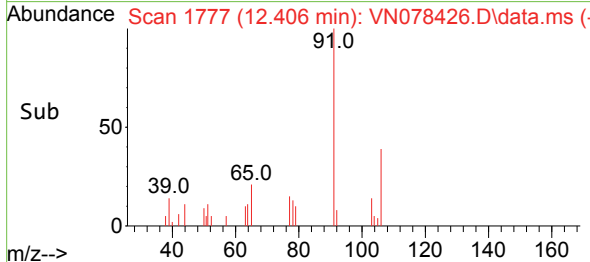
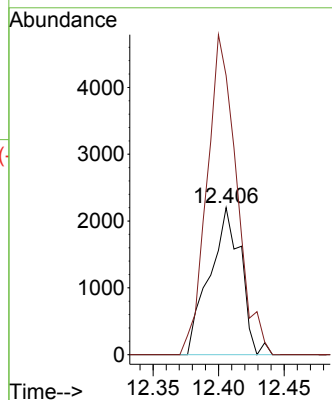
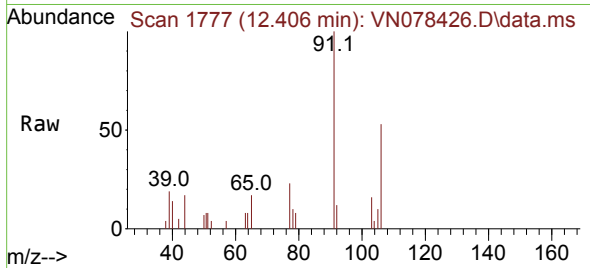




#69
o-Xylene
Concen: 0.446 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

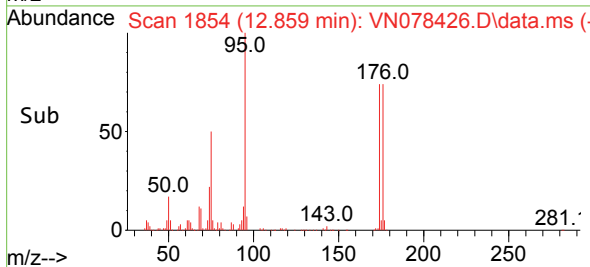
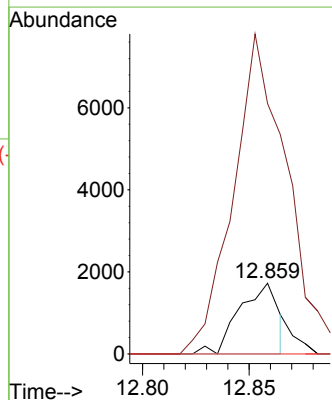
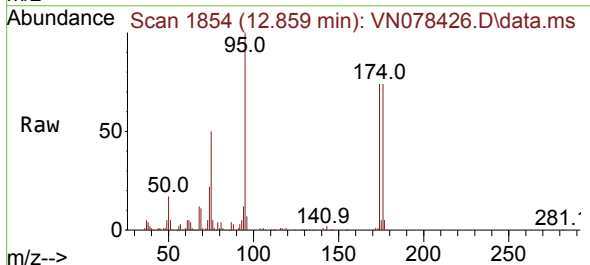
Instrument :
MSVOA_N
ClientSampleId :
1622

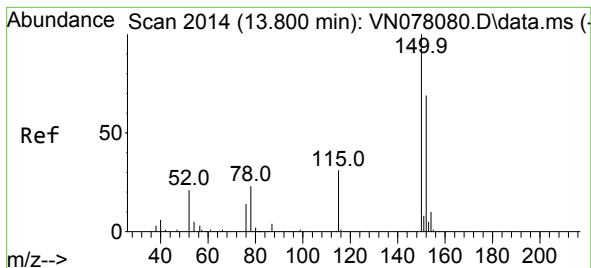
Tgt Ion:106 Resp: 3659
Ion Ratio Lower Upper
106 100
91 205.5 105.2 315.5



#71
Bromoform
Concen: 0.728 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion:173 Resp: 2196
Ion Ratio Lower Upper
173 100
175 502.0 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: VN078426.D

Acq: 27 Jun 2023 19:05

Instrument :

MSVOA_N

ClientSampleId :

1622

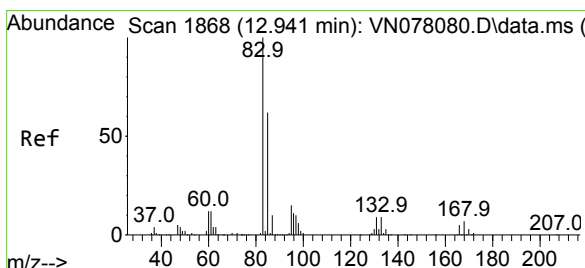
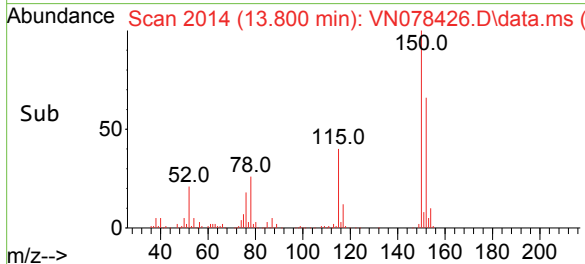
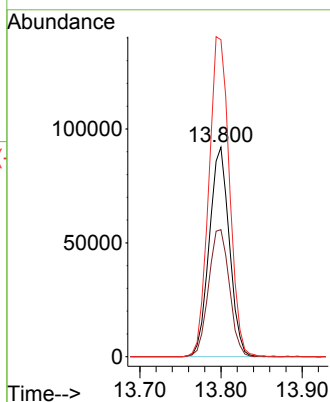
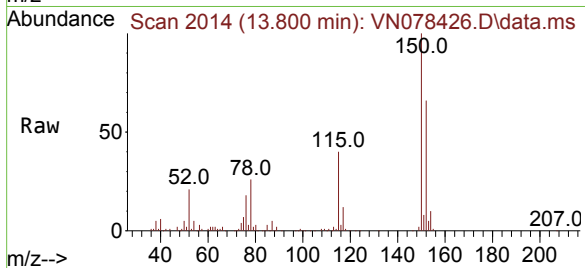
Tgt Ion:152 Resp: 157866

Ion Ratio Lower Upper

152 100

115 62.9 32.3 96.8

150 156.6 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 13.006 min Scan# 1879

Delta R.T. 0.065 min

Lab File: VN078426.D

Acq: 27 Jun 2023 19:05

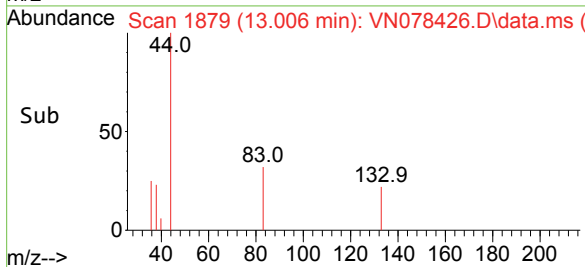
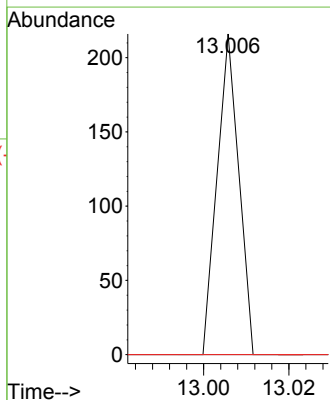
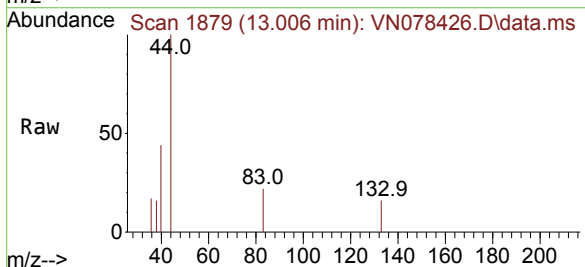
Tgt Ion: 83 Resp: 76

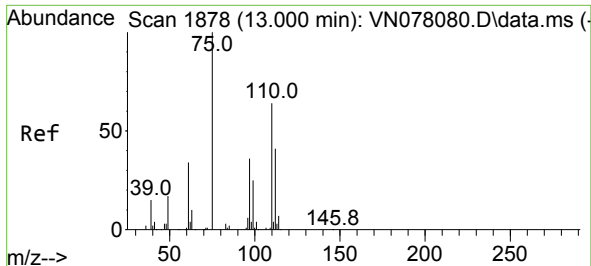
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

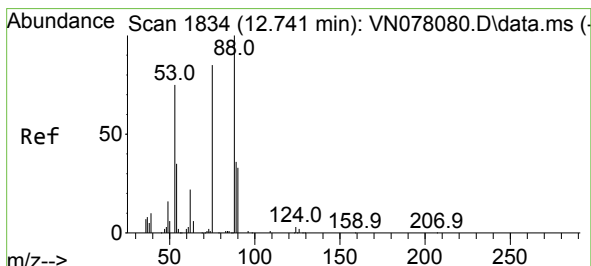
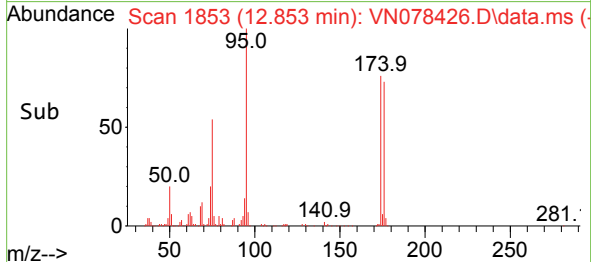
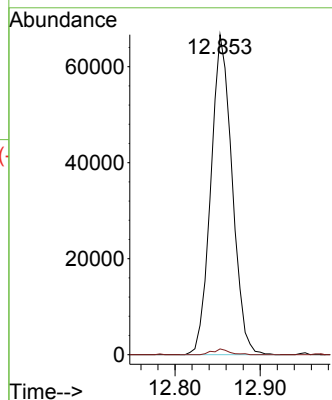
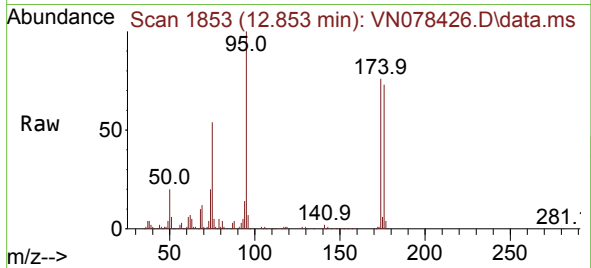




#76
1,2,3-Trichloropropane
Concen: 31.015 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Instrument :
MSVOA_N
ClientSampleId :
1622

Tgt Ion: 75 Resp: 115749
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.288 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078426.D
Acq: 27 Jun 2023 19:05

Tgt Ion: 75 Resp: 115749
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

