

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078601.D
 Acq On : 20 Jul 2023 18:22
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 06:19:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

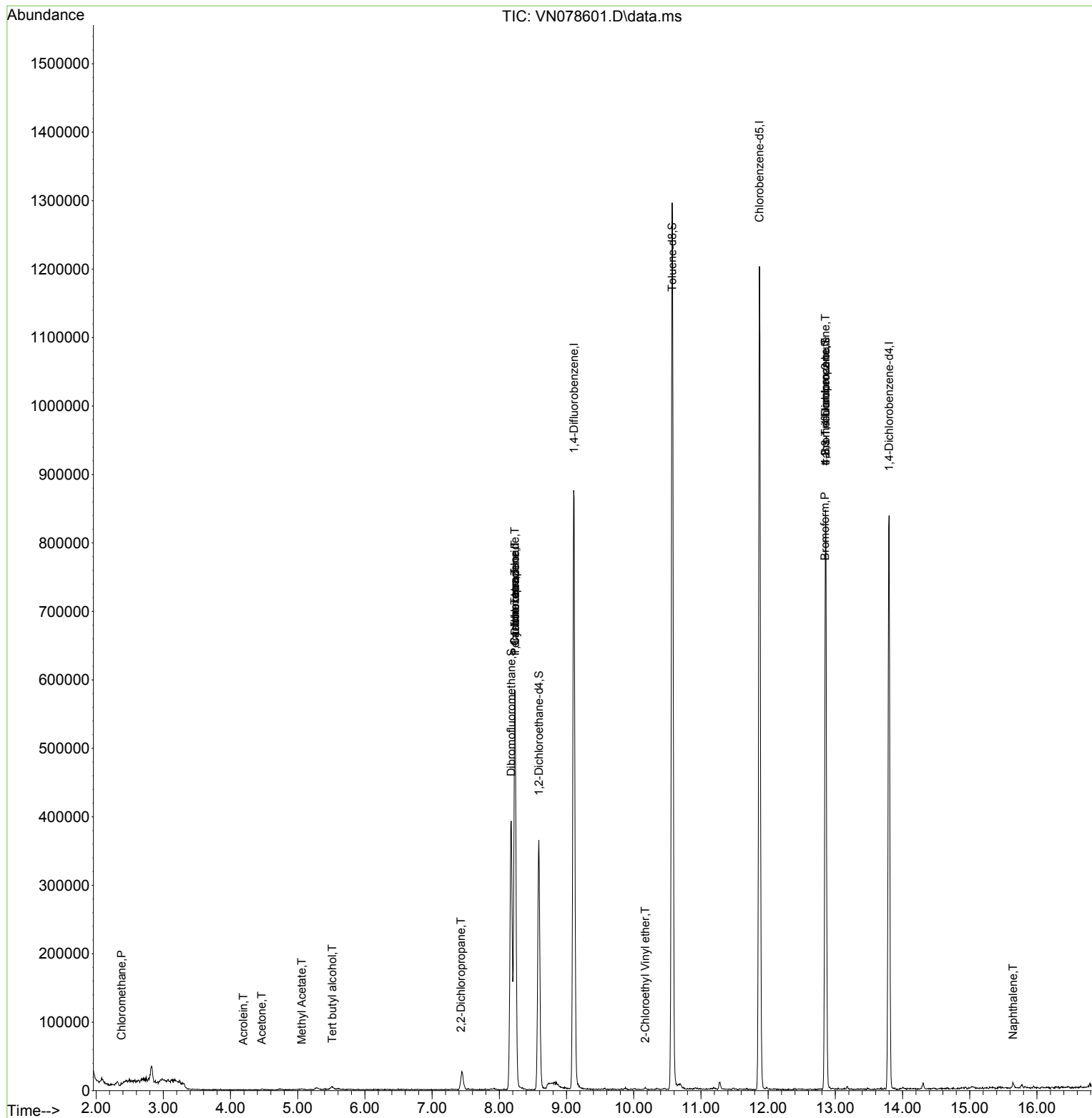
Internal Standards						
1) Pentafluorobenzene	8.236	168	431065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	788659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	732004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	291607	50.461	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.920%			
35) Dibromofluoromethane	8.177	113	293856	54.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.780%			
50) Toluene-d8	10.571	98	936328	46.297	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.600%			
62) 4-Bromofluorobenzene	12.853	95	302174	48.506	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.020%			
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	1504	0.262	ug/l #	76
5) Bromomethane	2.977	94	3023	Below Cal	#	65
6) Chloroethane	3.112	64	849	Below Cal	#	81
11) Tert butyl alcohol	5.512	59	3037	3.408	ug/l #	72
13) Acrolein	4.189	56	434	0.495	ug/l #	16
16) Acetone	4.465	43	1119	0.622	ug/l	99
18) Methyl Acetate	5.059	43	1643	0.216	ug/l	95
20) Methylene Chloride	5.283	84	2099	Below Cal	#	79
26) 2,2-Dichloropropane	7.430	77	2079	0.271	ug/l #	53
31) Cyclohexane	8.230	56	10604	1.358	ug/l #	50
36) 1,1-Dichloropropene	8.236	75	33549	4.340	ug/l #	51
38) Carbon Tetrachloride	8.230	117	45951	5.469	ug/l #	15
58) 2-Chloroethyl Vinyl ether	10.171	63	1111	0.399	ug/l #	52
71) Bromoform	12.847	173	1332	0.312	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	157	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	159295	28.049	ug/l #	1
77) Bromobenzene	12.853	156	97	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	159295	73.707	ug/l #	15
90) Hexachloroethane	14.359	117	122	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.765	75	57	Below Cal	#	4
95) Naphthalene	15.647	128	5741	0.624	ug/l #	91

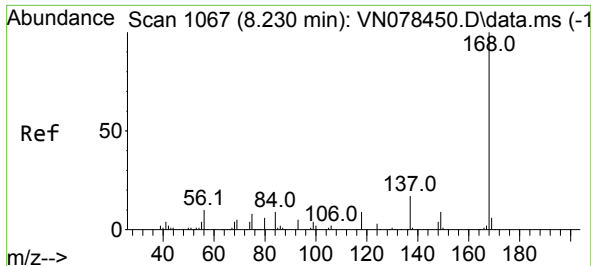
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
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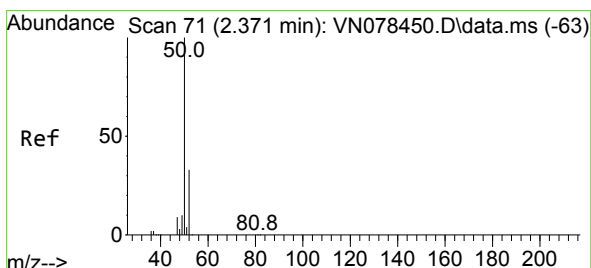
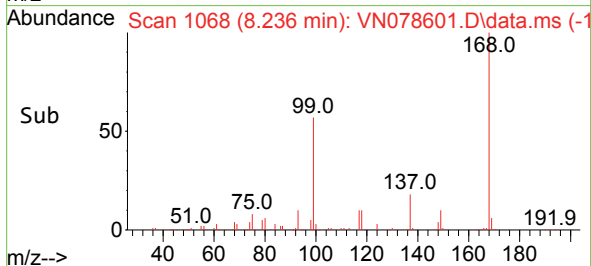
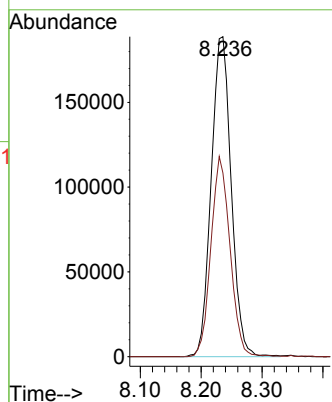
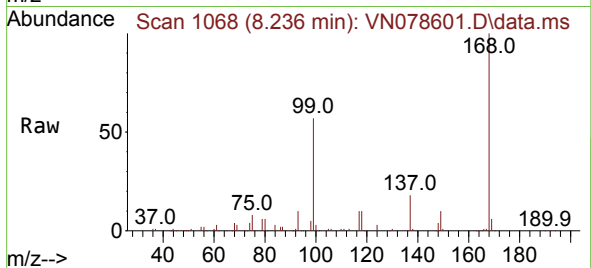




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

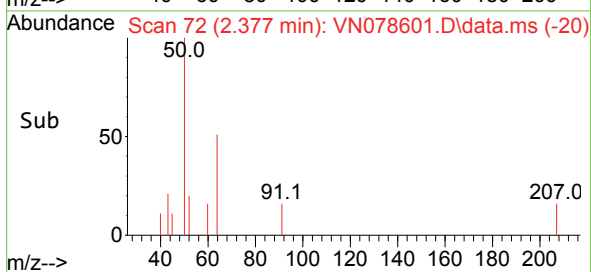
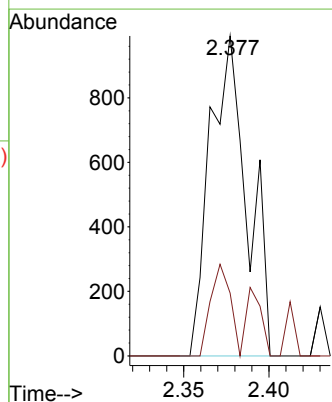
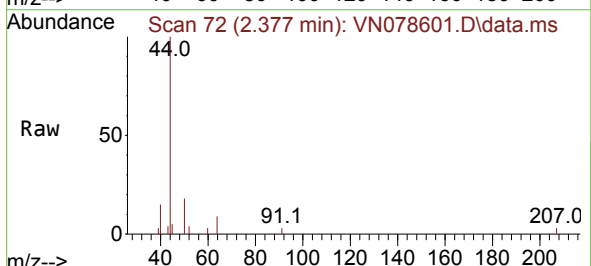
Instrument :
MSVOA_N
ClientSampleId :

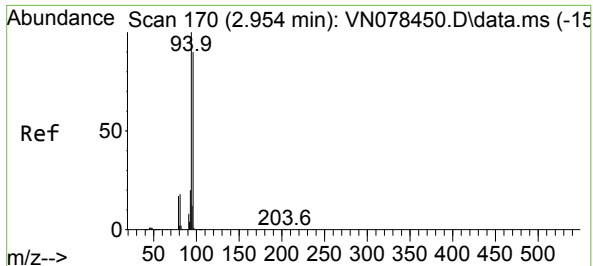
Tgt Ion:168 Resp: 431065
Ion Ratio Lower Upper
168 100
99 57.4 53.0 79.6



#3
Chloromethane
Concen: 0.262 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Tgt Ion: 50 Resp: 1504
Ion Ratio Lower Upper
50 100
52 19.7 26.5 39.7#





#5

Bromomethane

Concen: Below Cal

RT: 2.977 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

Instrument :

MSVOA_N

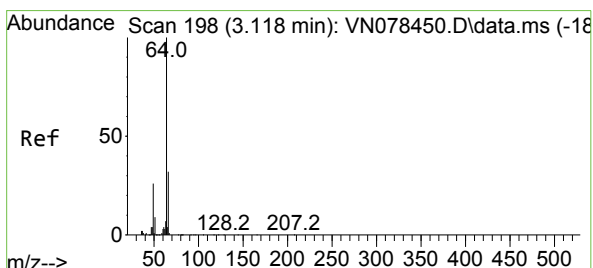
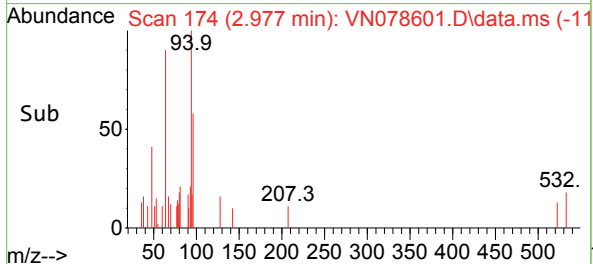
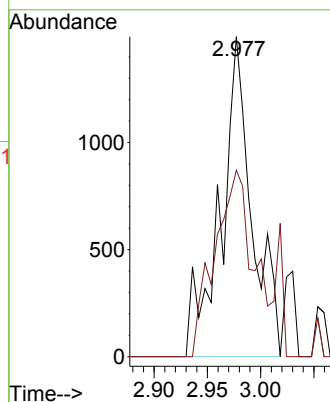
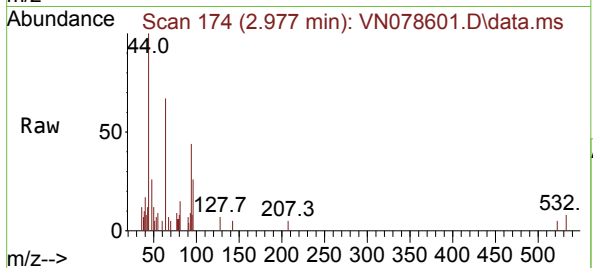
ClientSampleId :

Tgt Ion: 94 Resp: 3023

Ion Ratio Lower Upper

94 100

96 58.3 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.112 min Scan# 197

Delta R.T. -0.006 min

Lab File: VN078601.D

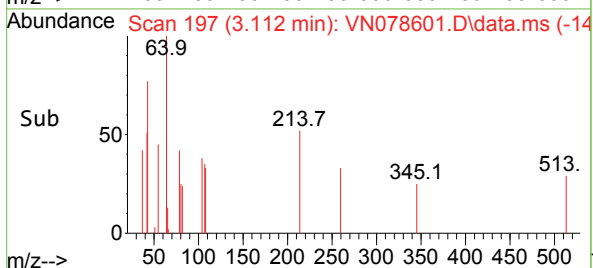
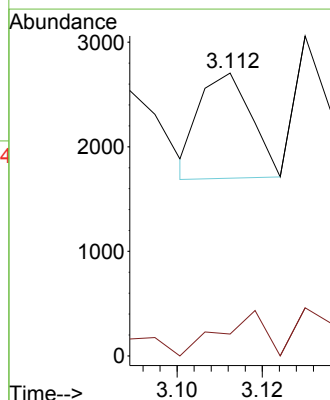
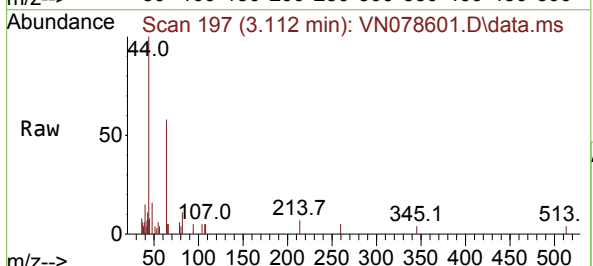
Acq: 20 Jul 2023 18:22

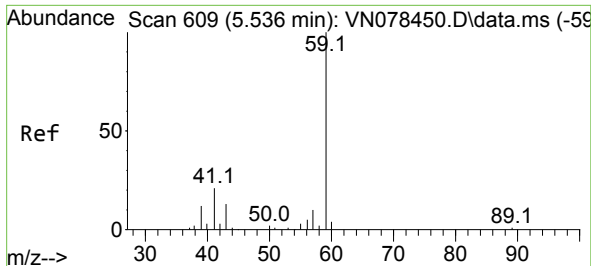
Tgt Ion: 64 Resp: 849

Ion Ratio Lower Upper

64 100

66 21.1 25.4 38.2#

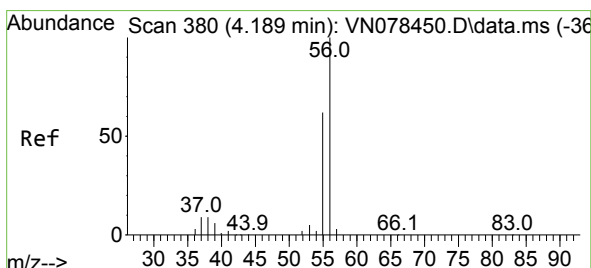
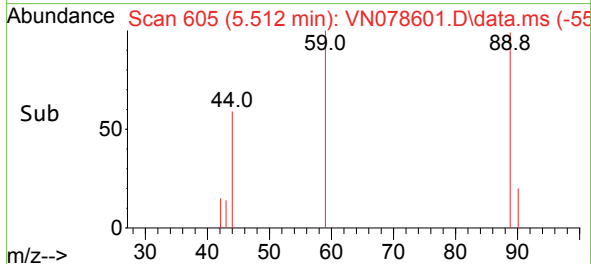
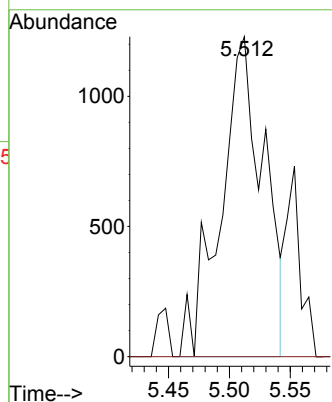
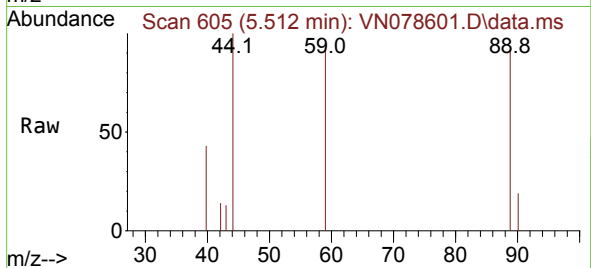




#11
Tert butyl alcohol
Concen: 3.408 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

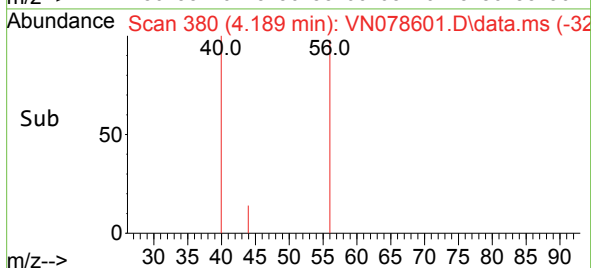
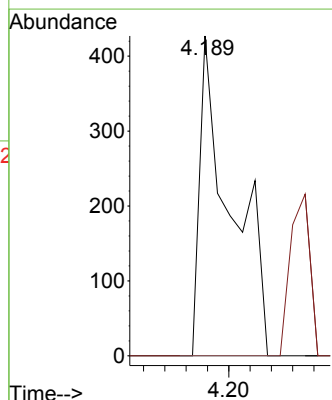
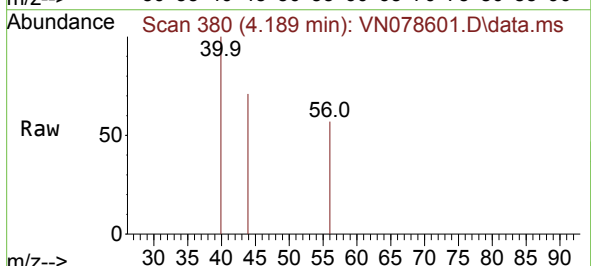
Instrument :
MSVOA_N
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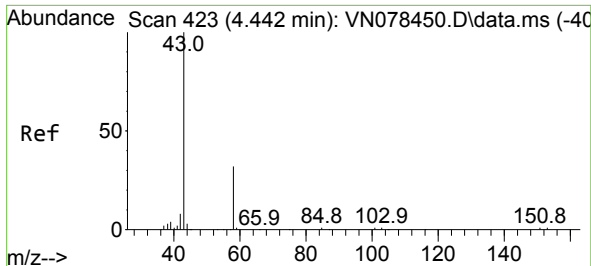
Tgt Ion: 59 Resp: 3037
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.495 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Tgt Ion: 56 Resp: 434
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

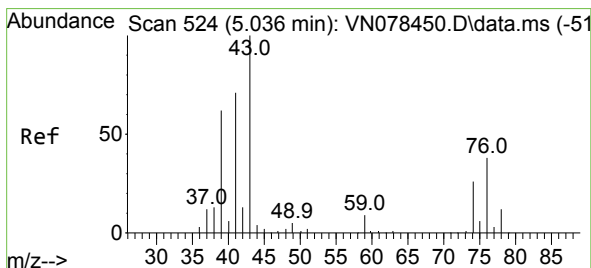
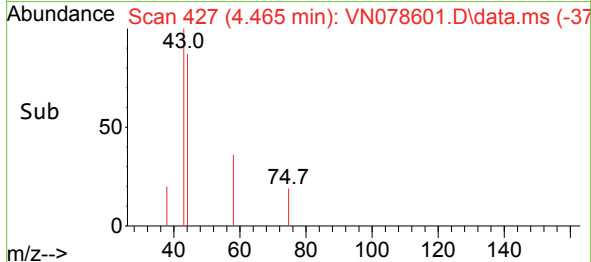
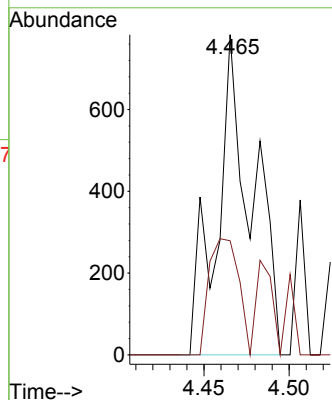
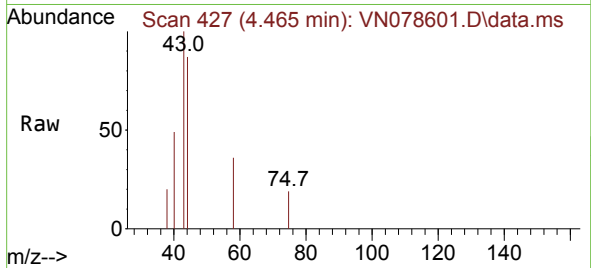




#16
Acetone
Concen: 0.622 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

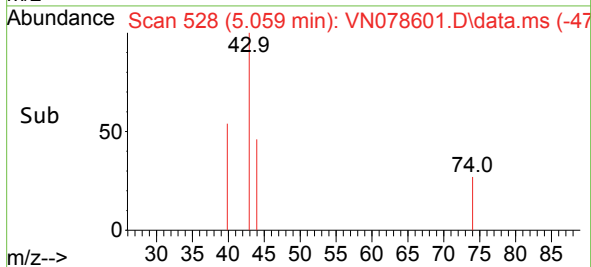
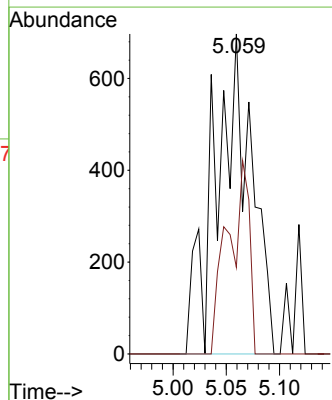
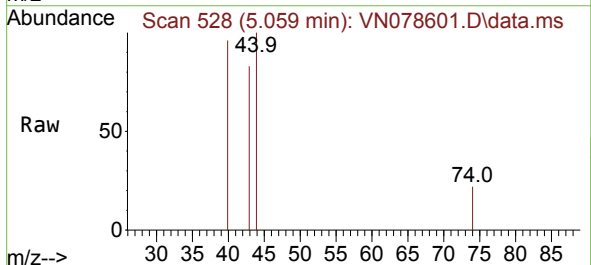
Instrument :
MSVOA_N
ClientSampleId :

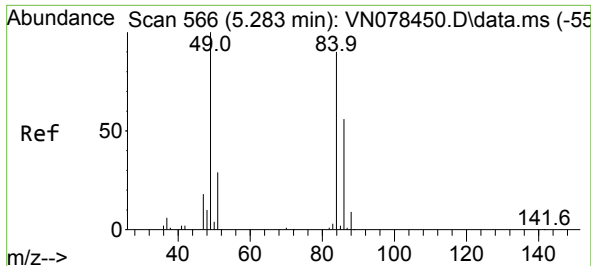
Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 35.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 5.059 min Scan# 528
Delta R.T. 0.023 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

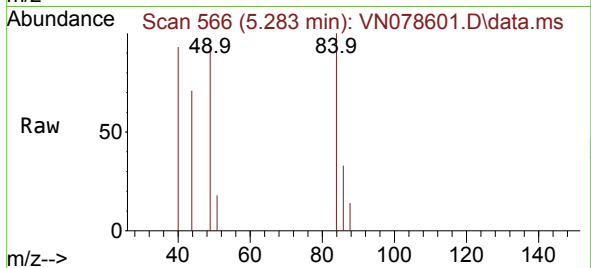
Tgt Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
74 35.7 26.2 39.4



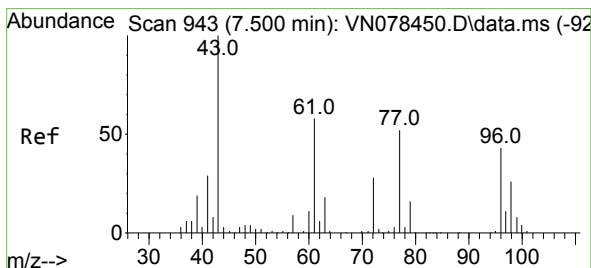
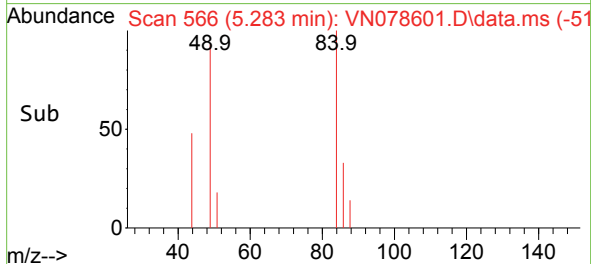
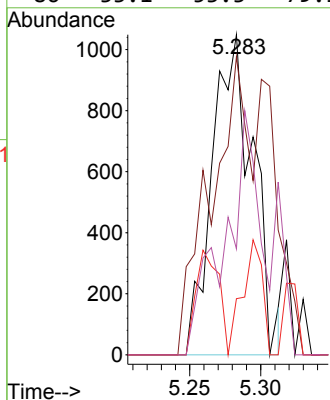


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Instrument :
MSVOA_N
ClientSampleId :

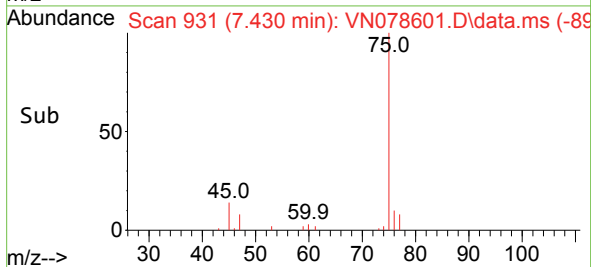
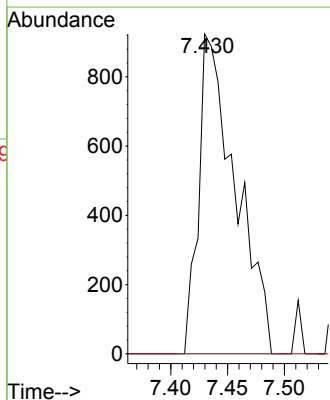
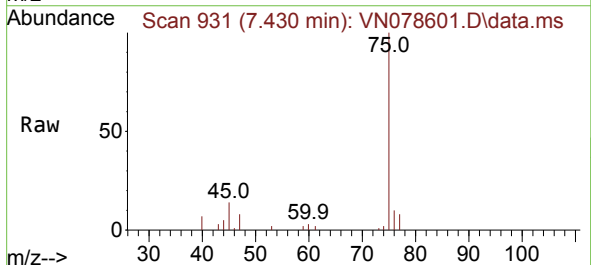


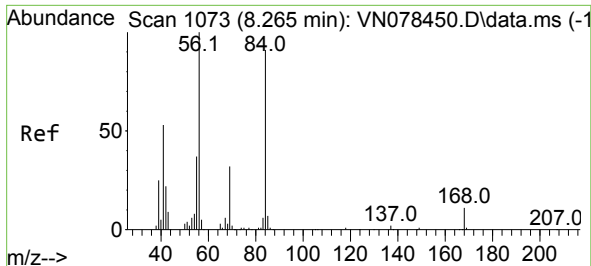
Tgt Ion: 84 Resp: 2099
Ion Ratio Lower Upper
84 100
49 93.1 79.7 119.5
51 17.5 25.2 37.8#
86 33.1 53.3 79.9#



#26
2,2-Dichloropropane
Concen: 0.271 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.070 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

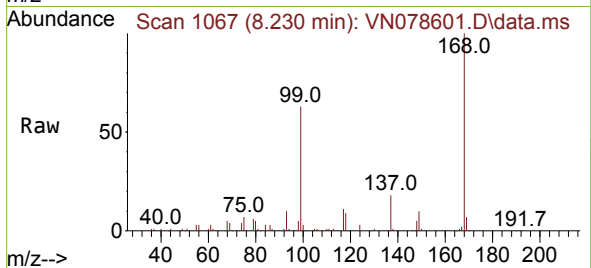
Tgt Ion: 77 Resp: 2079
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



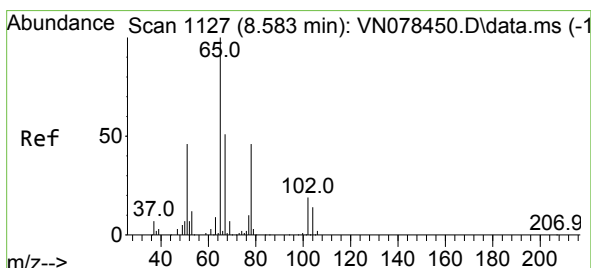
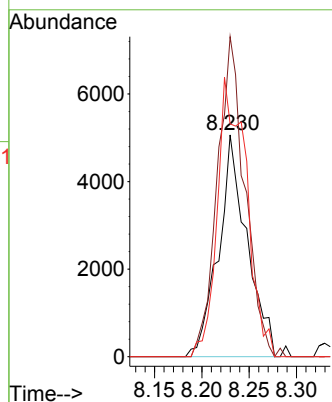
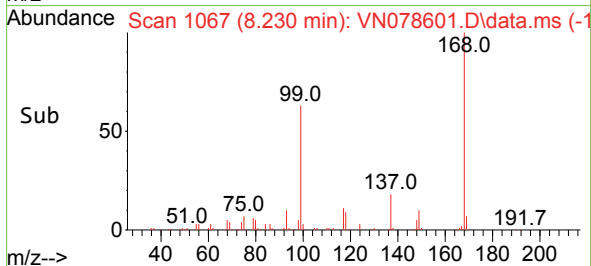


#31
Cyclohexane
Concen: 1.358 ug/l
RT: 8.230 min Scan# 1106
Delta R.T. -0.035 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Instrument :
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ClientSampleId :

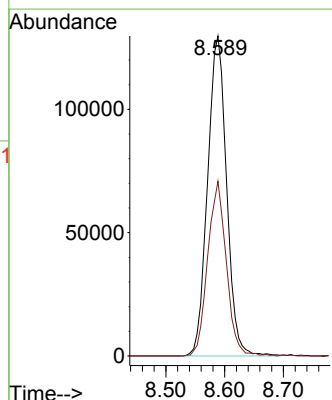
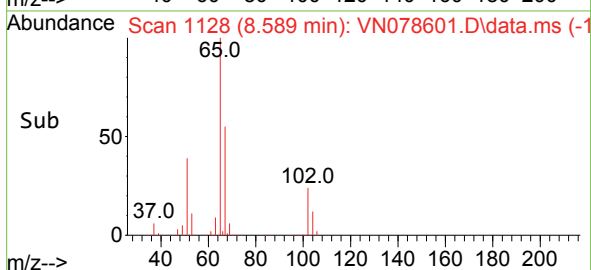
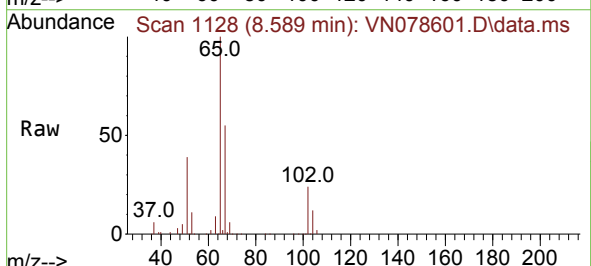


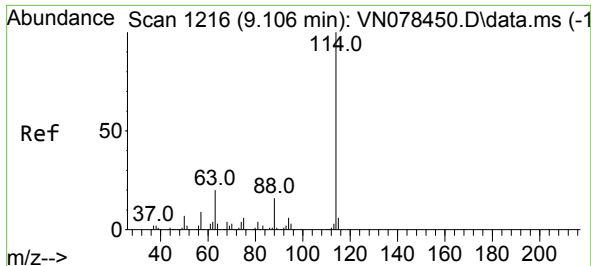
Tgt Ion: 56 Resp: 10604
Ion Ratio Lower Upper
56 100
69 144.3 26.8 40.2#
84 105.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.461 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Tgt Ion: 65 Resp: 291607
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6

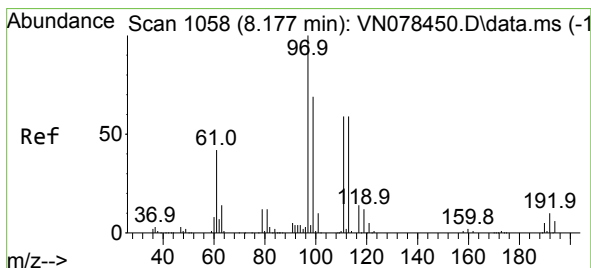
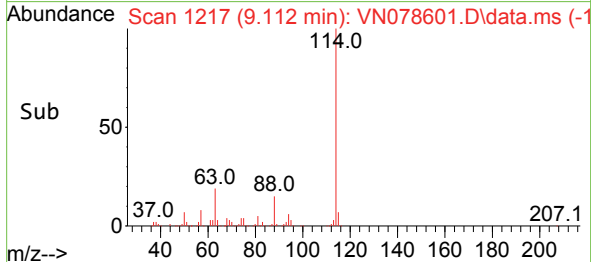
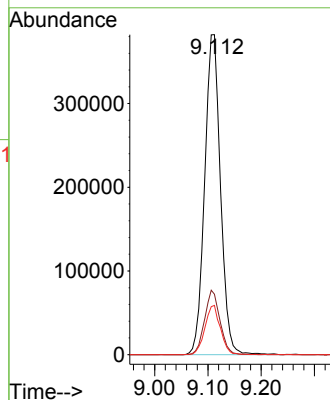
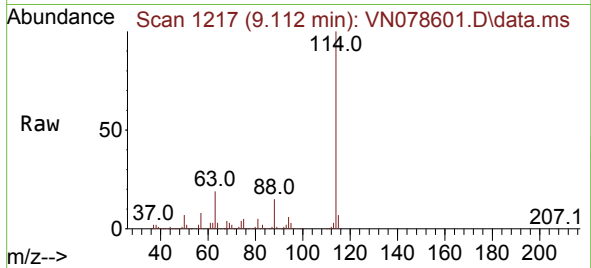




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

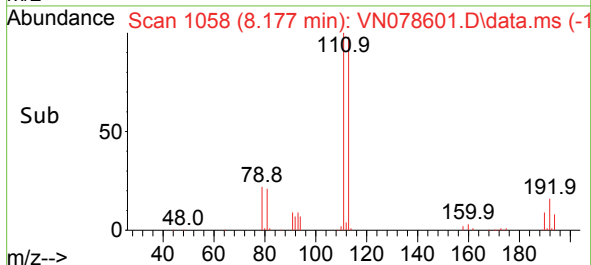
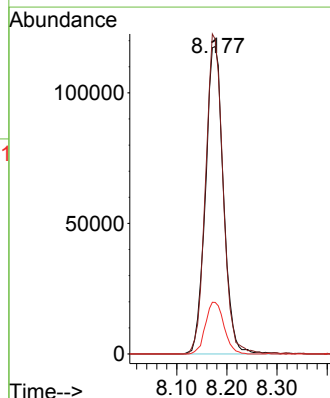
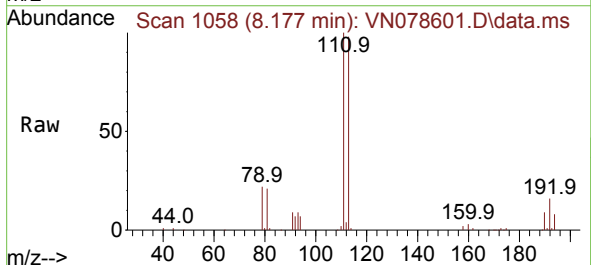
Instrument :
MSVOA_N
ClientSampleId :

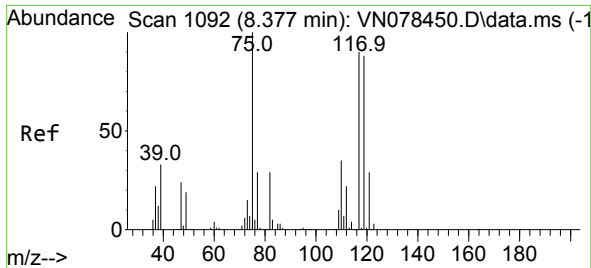
Tgt Ion:114 Resp: 788659
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.889 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Tgt Ion:113 Resp: 293856
Ion Ratio Lower Upper
113 100
111 100.7 82.6 123.8
192 17.3 12.7 19.1

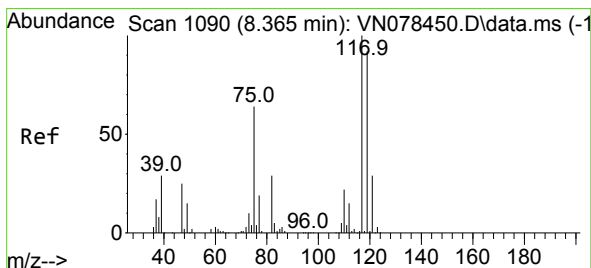
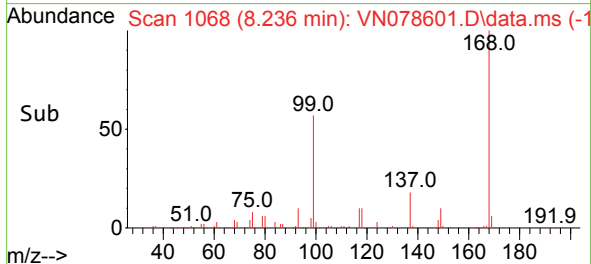
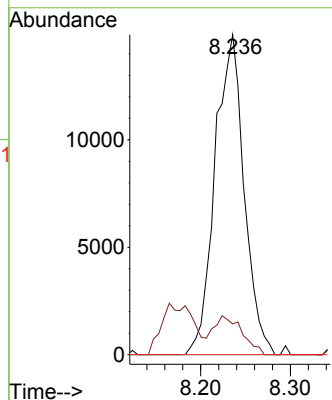
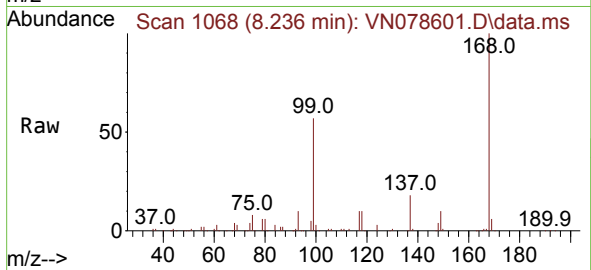




#36
1,1-Dichloropropene
Concen: 4.340 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

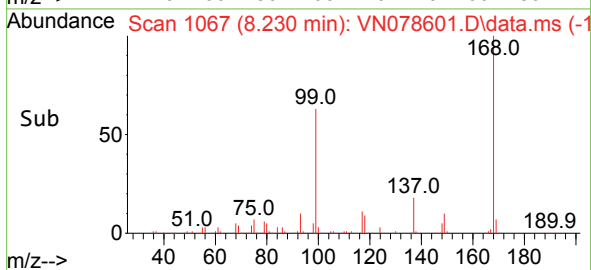
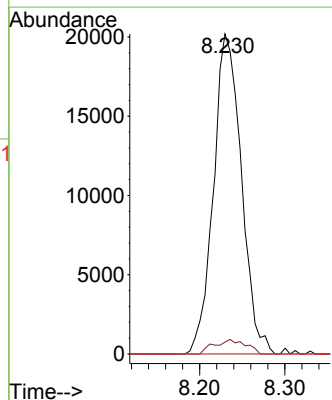
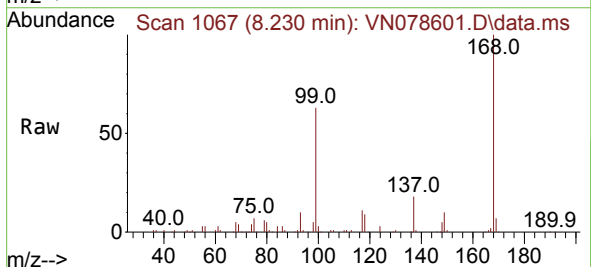
Instrument :
MSVOA_N
ClientSampleId :

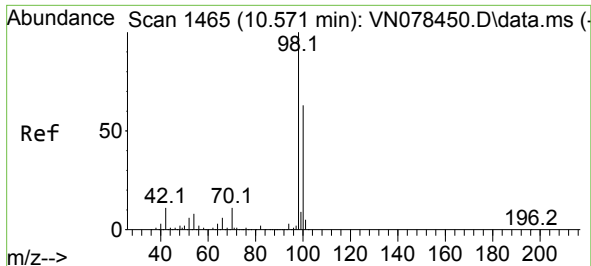
Tgt Ion: 75 Resp: 33549
Ion Ratio Lower Upper
75 100
110 11.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.469 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Tgt Ion: 117 Resp: 45951
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 23.3 34.9#

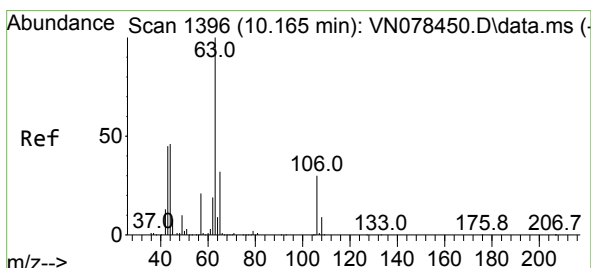
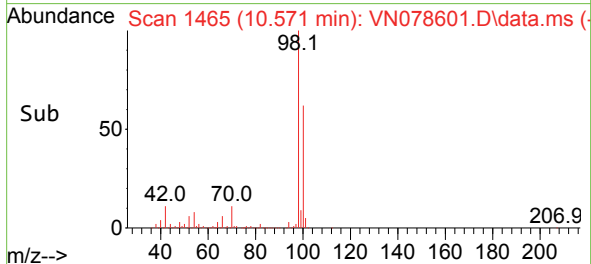
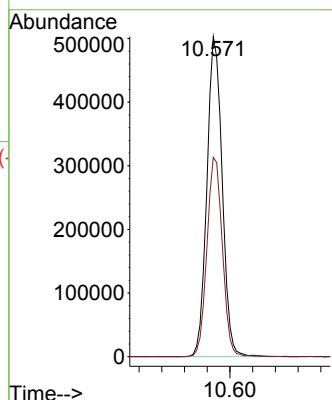
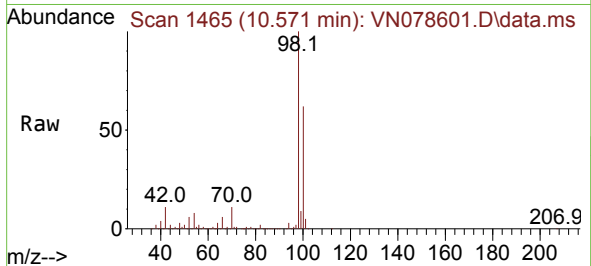




#50
Toluene-d8
Concen: 46.297 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

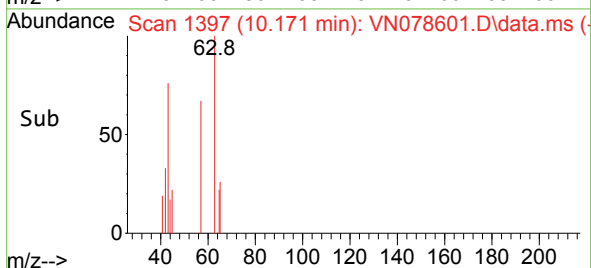
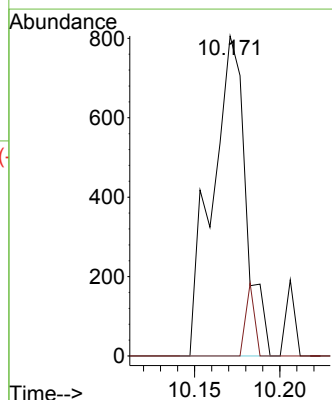
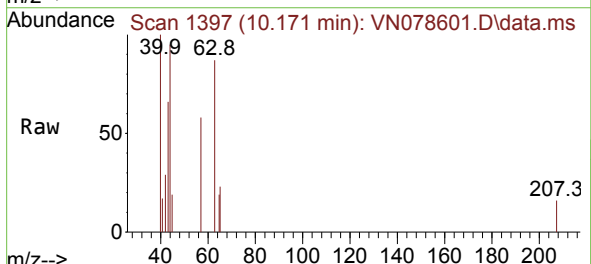
Instrument :
MSVOA_N
ClientSampleId :

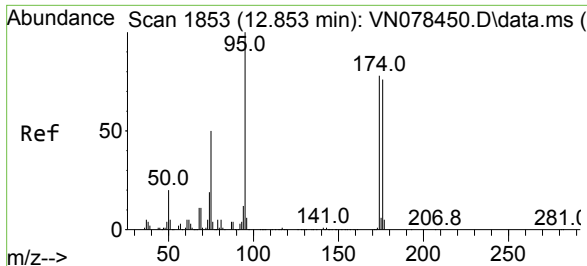
Tgt Ion: 98 Resp: 936328
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.399 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Tgt Ion: 63 Resp: 1111
Ion Ratio Lower Upper
63 100
106 5.9 26.2 39.4#

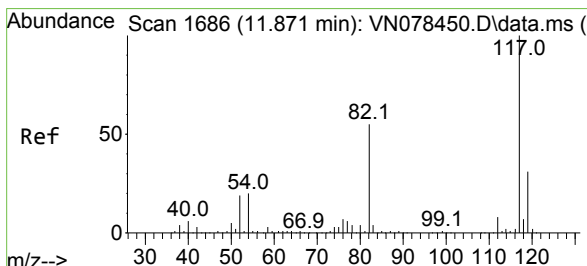
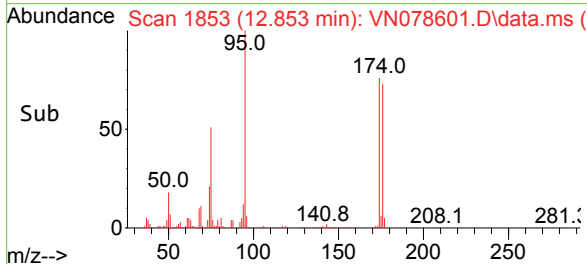
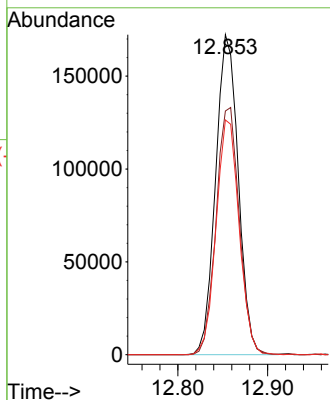
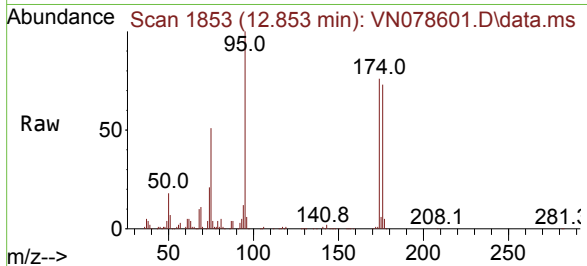




#62
4-Bromofluorobenzene
Concen: 48.506 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

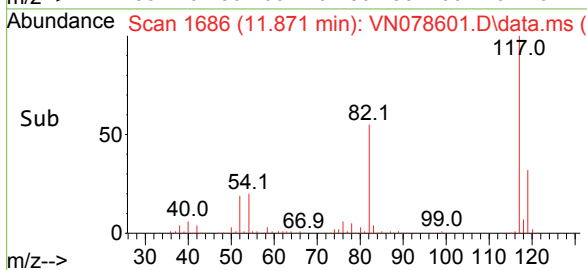
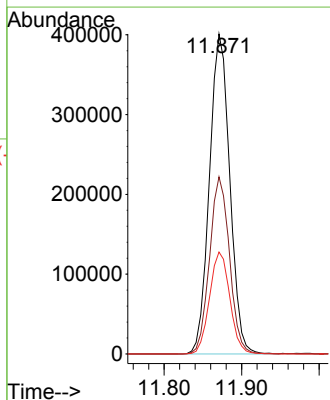
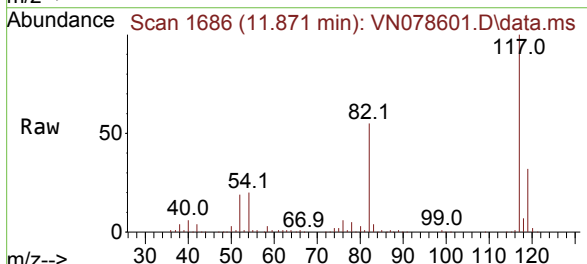
Instrument :
MSVOA_N
ClientSampleId :

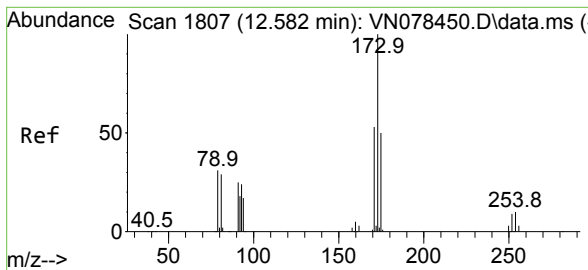
Tgt Ion: 95 Resp: 302174
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 74.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Tgt Ion: 117 Resp: 732004
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.312 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

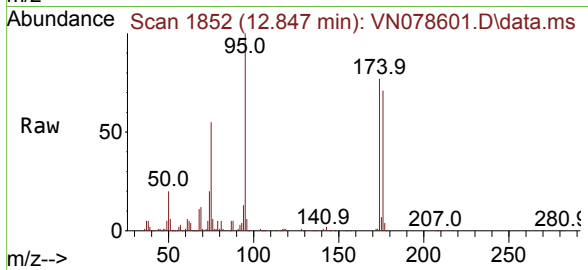
Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

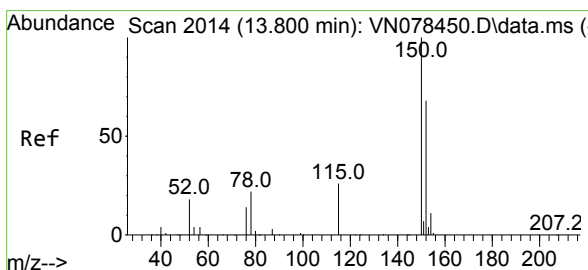
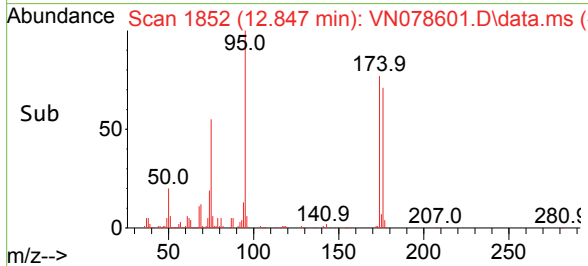
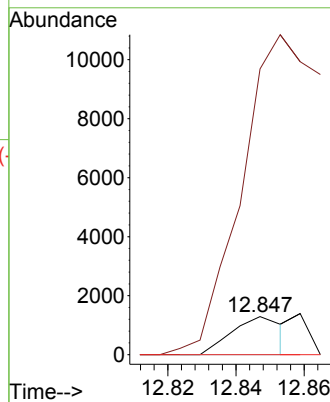
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:173	Resp:	1332
Ion Ratio	Lower	Upper
173	100	
175	1038.6	24.3 73.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

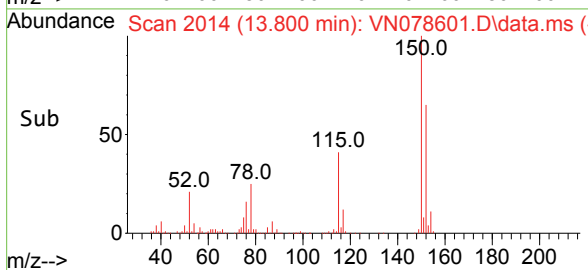
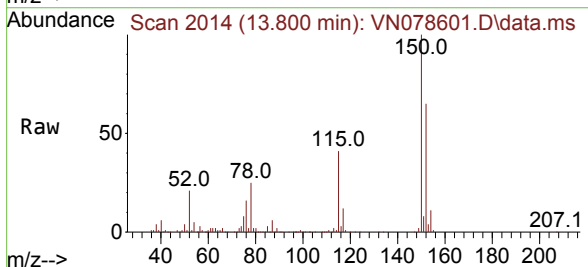
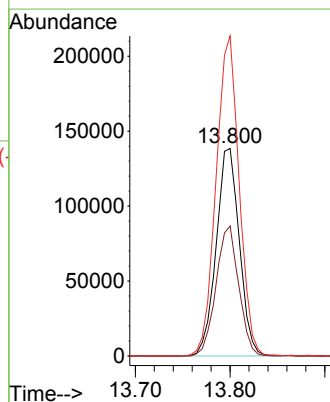
RT: 13.800 min Scan# 2014

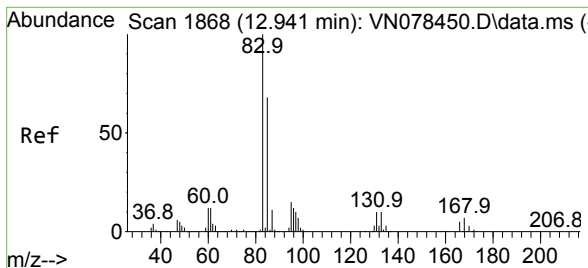
Delta R.T. -0.000 min

Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

Tgt Ion:152	Resp:	234957
Ion Ratio	Lower	Upper
152	100	
115	61.5	32.3 96.8
150	153.8	0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

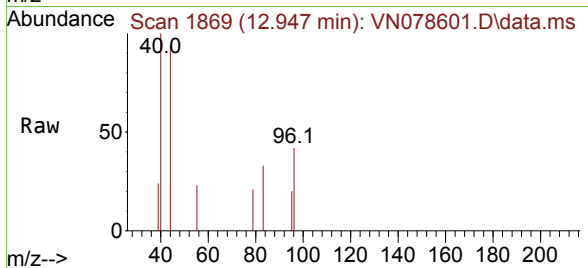
Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :



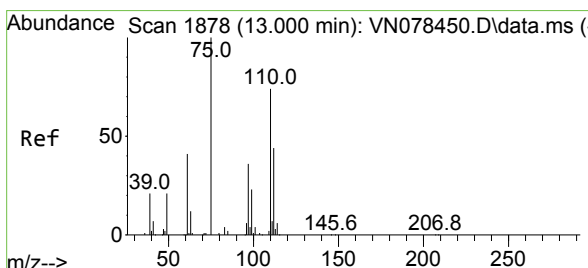
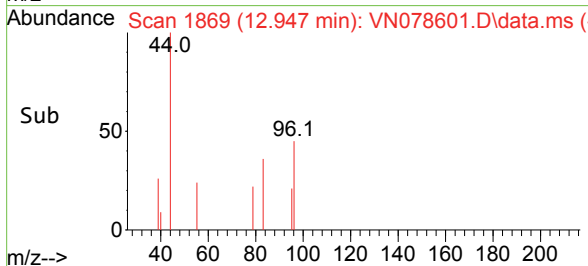
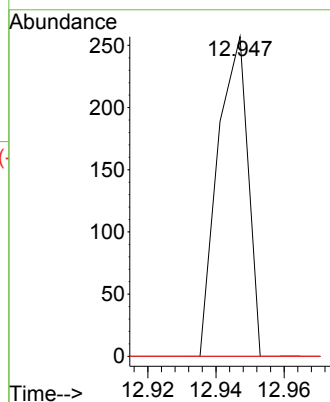
Tgt Ion: 83 Resp: 157

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: 28.049 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078601.D

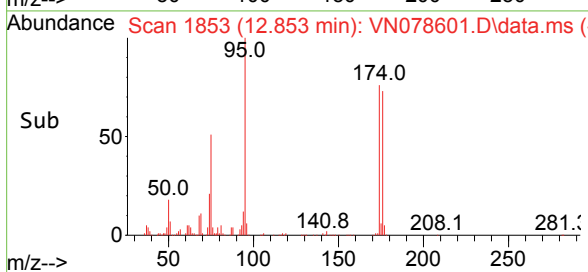
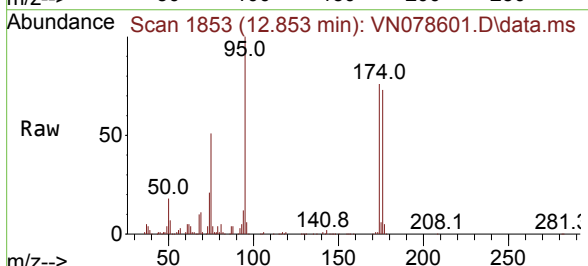
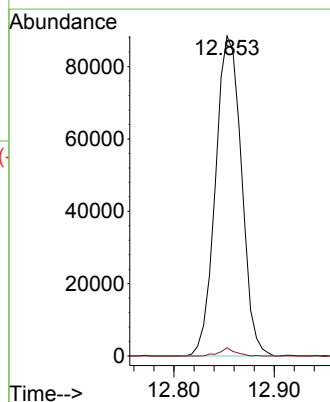
Acq: 20 Jul 2023 18:22

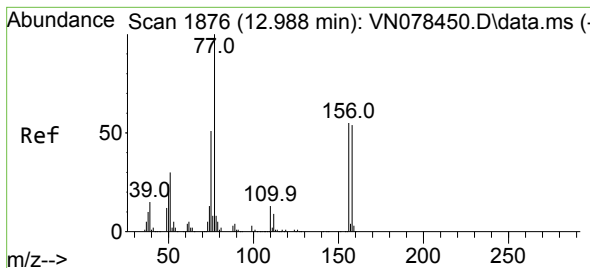
Tgt Ion: 75 Resp: 159295

Ion Ratio Lower Upper

75 100

77 1.6 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.135 min

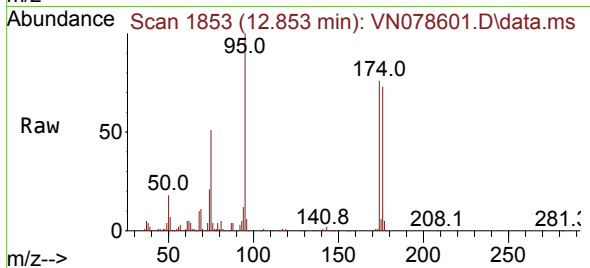
Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :



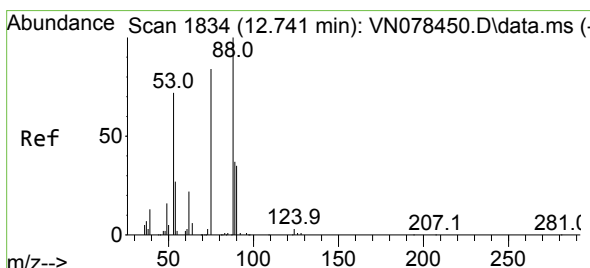
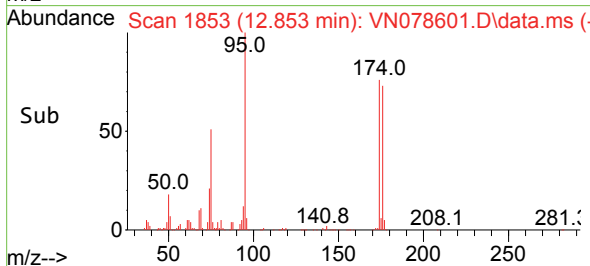
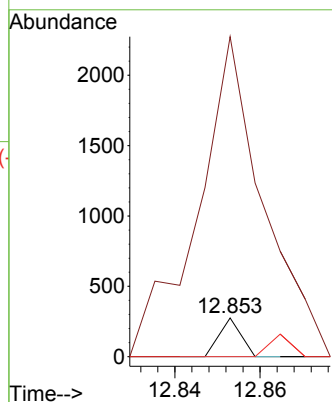
Tgt Ion:156 Resp: 97

Ion Ratio Lower Upper

156 100

77 2572.2 107.7 323.3#

158 58.8 48.4 145.3



#81

trans-1,4-Dichloro-2-butene

Concen: 73.707 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

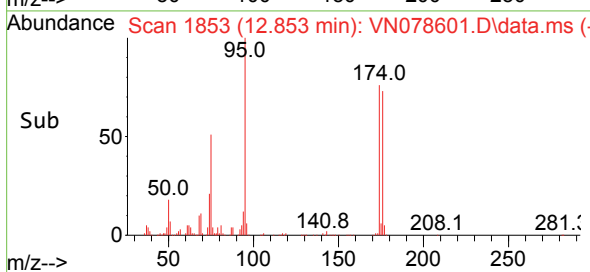
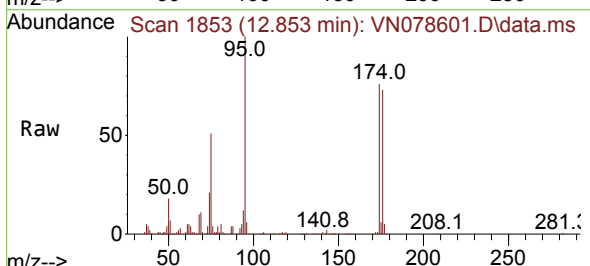
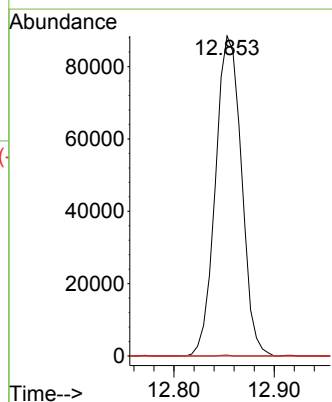
Tgt Ion: 75 Resp: 159295

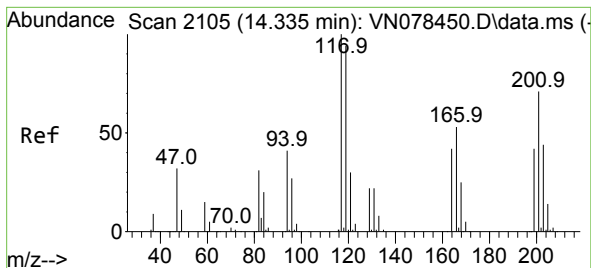
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.359 min Scan# 2105

Delta R.T. 0.024 min

Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

Instrument :

MSVOA_N

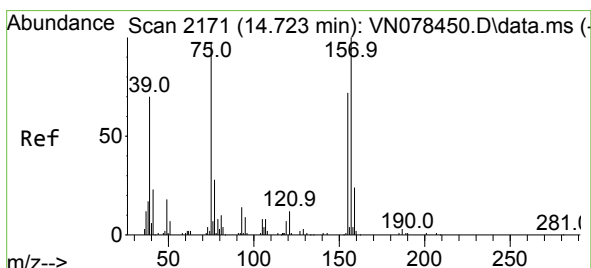
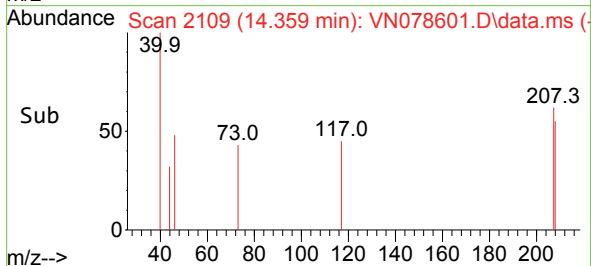
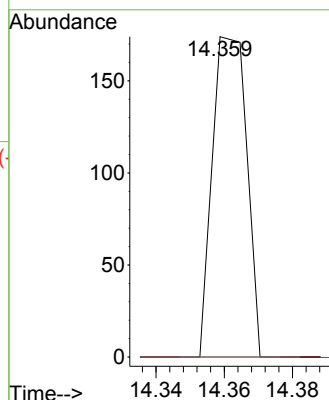
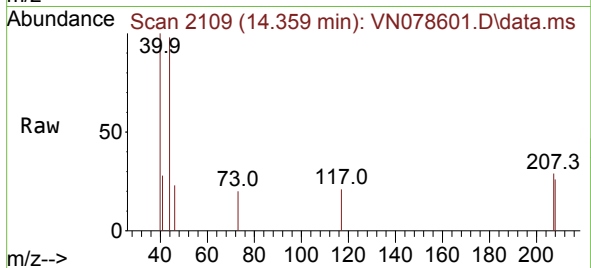
ClientSampleId :

Tgt Ion:117 Resp: 122

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.765 min Scan# 2178

Delta R.T. 0.042 min

Lab File: VN078601.D

Acq: 20 Jul 2023 18:22

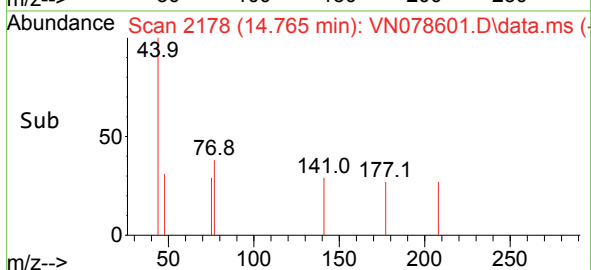
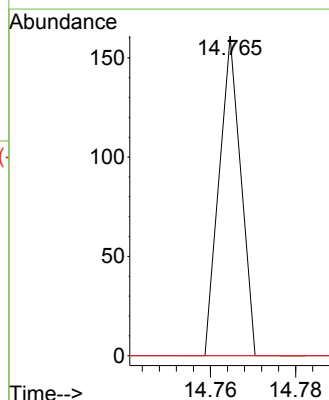
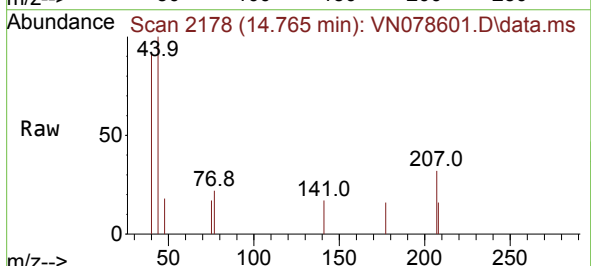
Tgt Ion: 75 Resp: 57

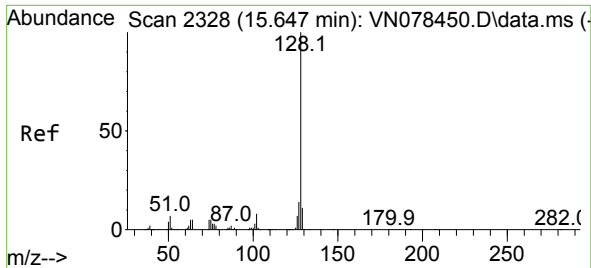
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

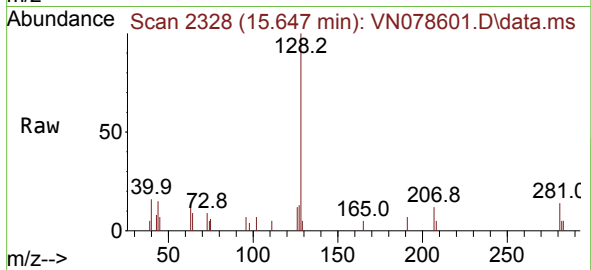
157 0.0 50.3 150.9#





#95
Naphthalene
Concen: 0.624 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078601.D
Acq: 20 Jul 2023 18:22

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.0	15.0
129	4.7	8.7	13.1

