

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078600.D
 Acq On : 20 Jul 2023 17:58
 Operator : JC\MD
 Sample : 03632-06ME
 Misc : 12.08g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 06:19:07 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)

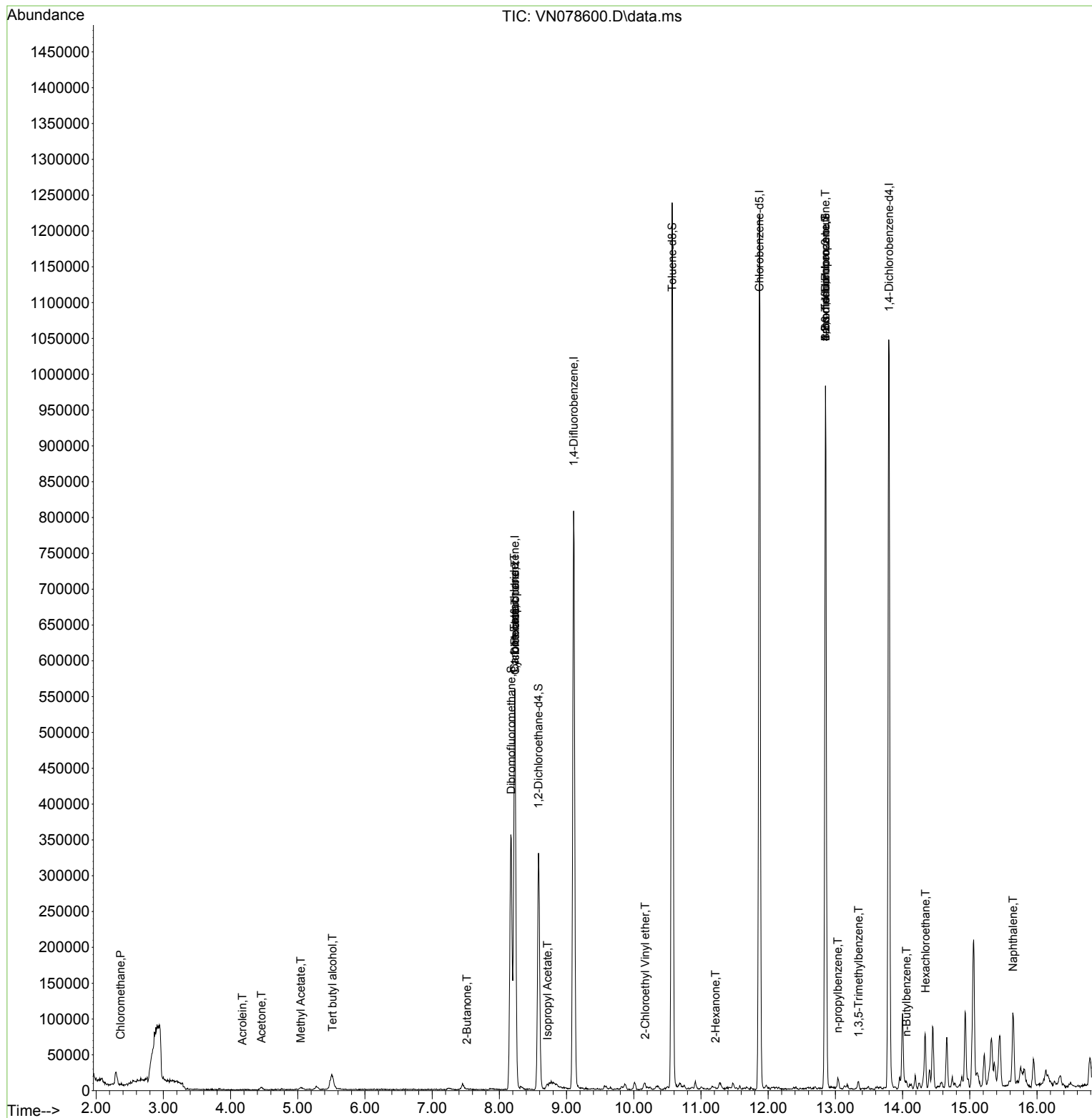
Internal Standards						
1) Pentafluorobenzene	8.230	168	409919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	719772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	718226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	289939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	262721	47.807	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.620%		
35) Dibromofluoromethane	8.177	113	258093	52.823	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.640%		
50) Toluene-d8	10.571	98	872677	47.279	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.560%		
62) 4-Bromofluorobenzene	12.853	95	333492	58.657	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.320%		
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1583	0.290	ug/l #	42
5) Bromomethane	2.912	94	2314	Below Cal	#	41
6) Chloroethane	3.183	64	1164	Below Cal	#	61
11) Tert butyl alcohol	5.518	59	18691	22.057	ug/l #	74
13) Acrolein	4.177	56	236	0.283	ug/l #	72
16) Acetone	4.459	43	5487	3.205	ug/l #	64
18) Methyl Acetate	5.047	43	5713	0.788	ug/l #	83
20) Methylene Chloride	5.271	84	3338	Below Cal	#	72
25) 2-Butanone	7.518	43	1324	0.491	ug/l #	37
31) Cyclohexane	8.236	56	8916	1.201	ug/l #	14
36) 1,1-Dichloropropene	8.236	75	32909	4.665	ug/l #	48
38) Carbon Tetrachloride	8.224	117	44830	5.847	ug/l #	15
43) Isopropyl Acetate	8.718	43	5289	0.546	ug/l #	49
58) 2-Chloroethyl Vinyl ether	10.171	63	2694	1.060	ug/l	93
59) 2-Hexanone	11.218	43	978	0.239	ug/l	69
71) Bromoform	12.853	173	2669	0.638	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.923	83	98	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	176503	25.185	ug/l #	1
77) Bromobenzene	12.982	156	93	Below Cal	#	1
78) n-propylbenzene	13.035	91	11179	0.384	ug/l	96
80) 1,3,5-Trimethylbenzene	13.347	105	6450	0.300	ug/l	74
81) trans-1,4-Dichloro-2-b...	12.853	75	176503	66.182	ug/l #	15
89) n-Butylbenzene	14.059	91	4695	0.354	ug/l #	83
90) Hexachloroethane	14.341	117	5310	0.754	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.729	75	88	Below Cal	#	4
94) Hexachlorobutadiene	15.500	225	163	Below Cal	#	41
95) Naphthalene	15.647	128	98932	8.712	ug/l	98

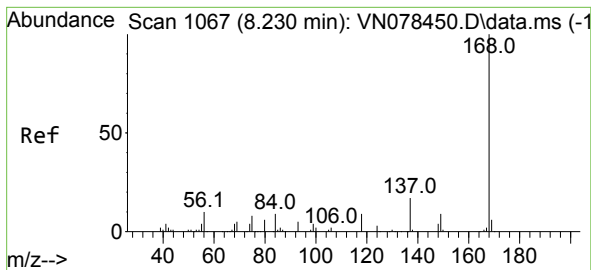
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
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Sample : 03632-06ME
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Quant Time: Jul 21 06:19:07 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN078600.D

Acq: 20 Jul 2023 17:58

Instrument :

MSVOA_N

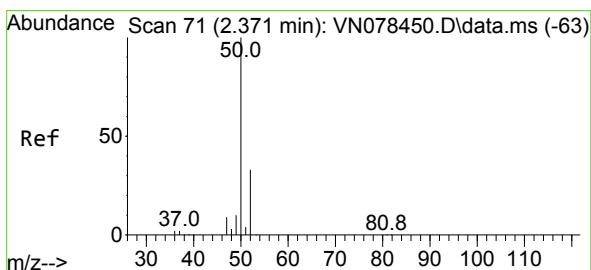
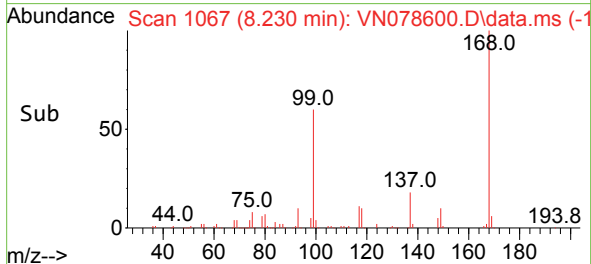
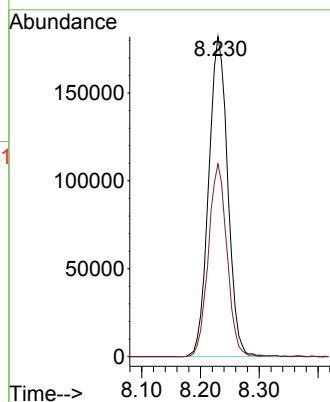
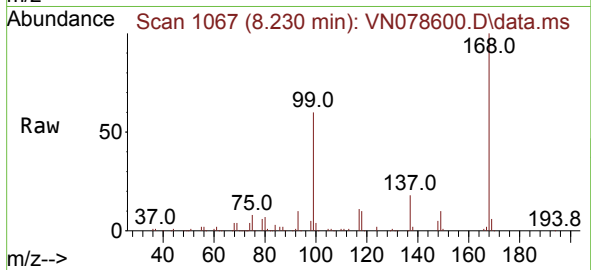
ClientSampleId :

Tgt Ion:168 Resp: 409919

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078600.D

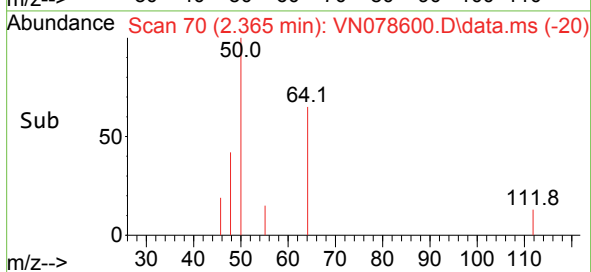
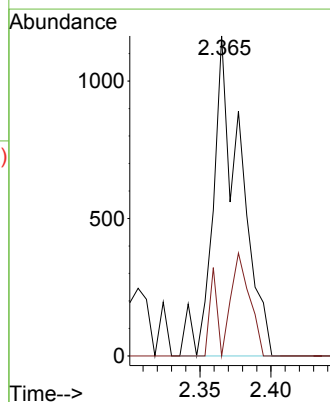
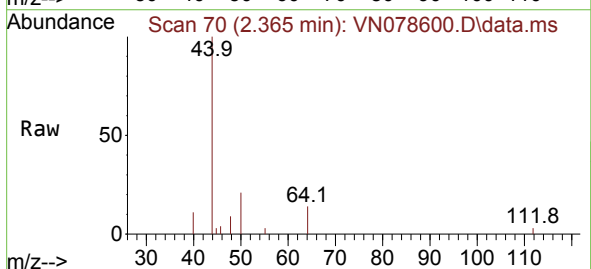
Acq: 20 Jul 2023 17:58

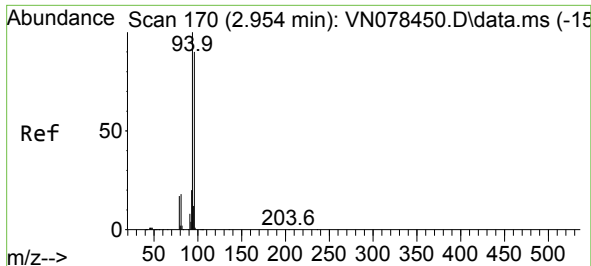
Tgt Ion: 50 Resp: 1583

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

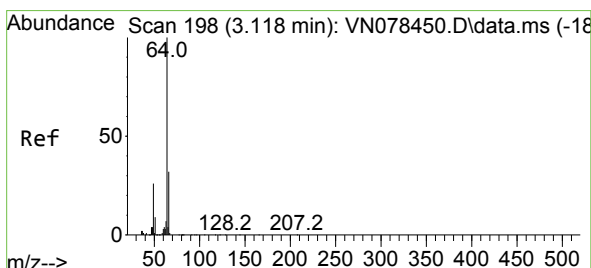
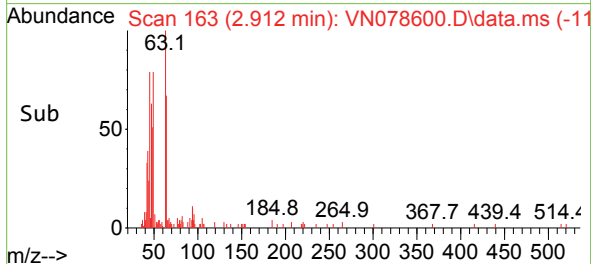
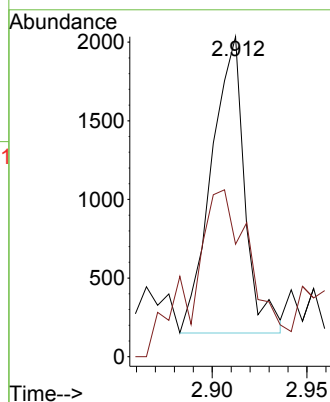
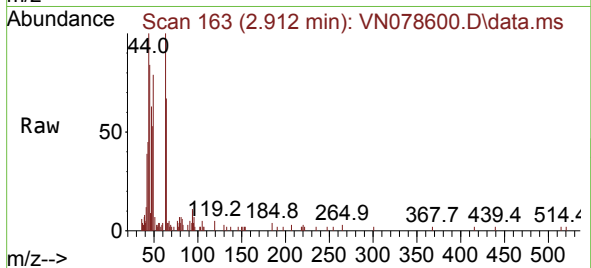




#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 11
Delta R.T. -0.042 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

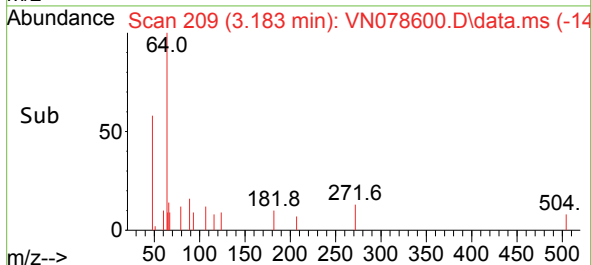
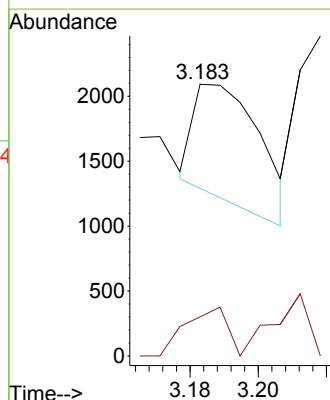
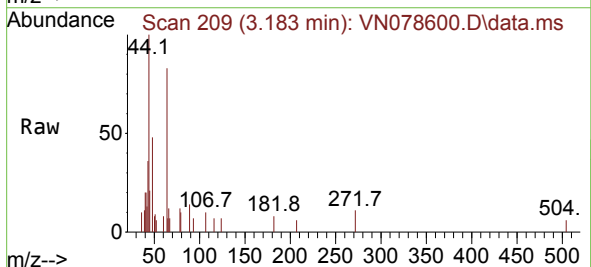
Instrument :
MSVOA_N
ClientSampleId :

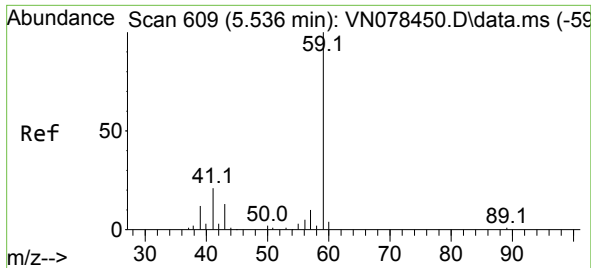
Tgt Ion: 94 Resp: 2314
Ion Ratio Lower Upper
94 100
96 35.4 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.183 min Scan# 209
Delta R.T. 0.065 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Tgt Ion: 64 Resp: 1164
Ion Ratio Lower Upper
64 100
66 10.2 25.4 38.2#

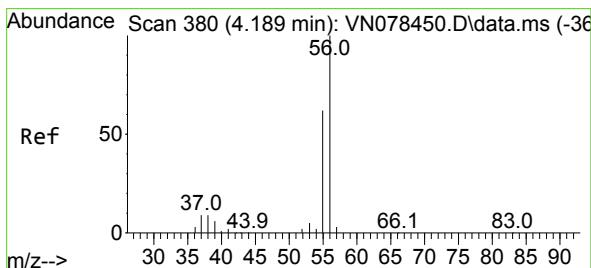
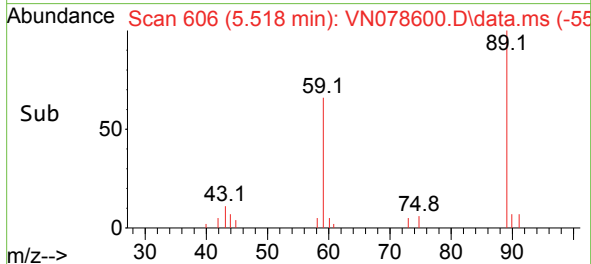
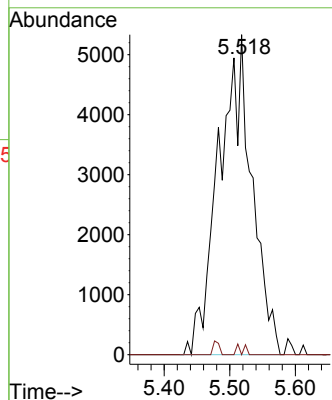
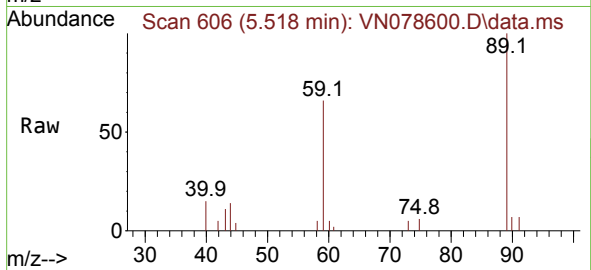




#11
Tert butyl alcohol
Concen: 22.057 ug/l
RT: 5.518 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

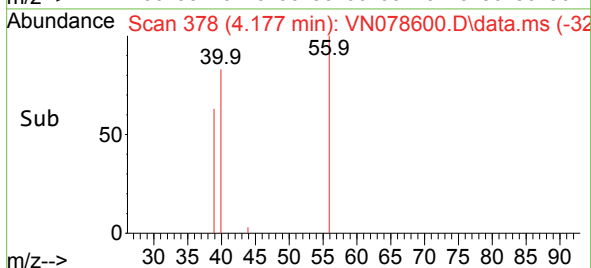
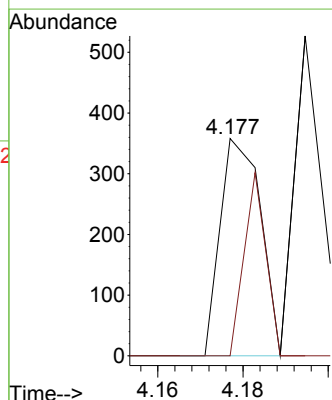
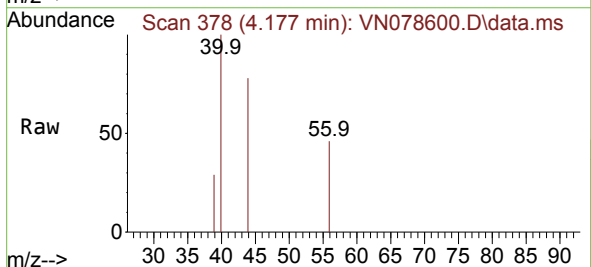
Instrument :
MSVOA_N
ClientSampleId :

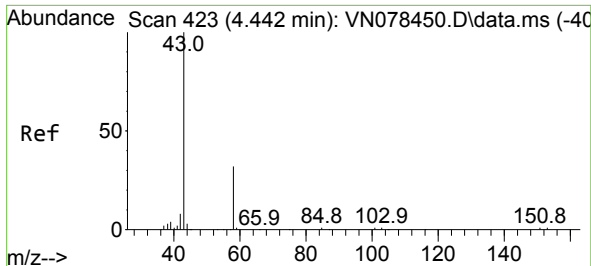
Tgt Ion: 59 Resp: 18691
Ion Ratio Lower Upper
59 100
57 0.7 8.2 12.4#



#13
Acrolein
Concen: 0.283 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.012 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 45.3 54.5 81.7#

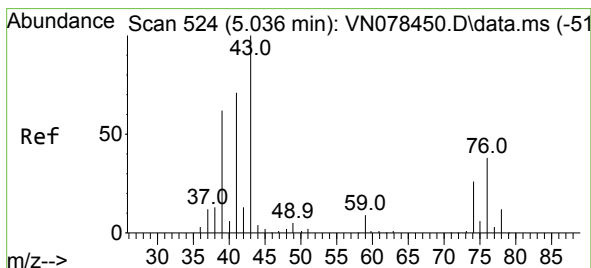
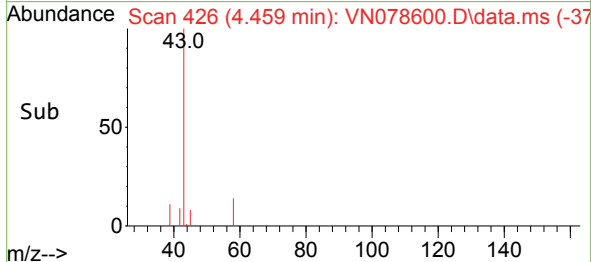
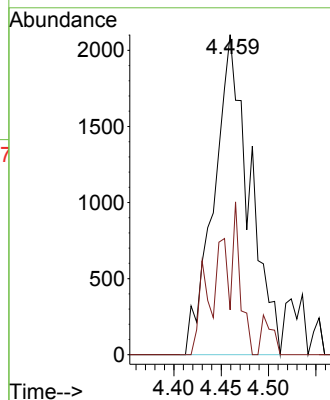
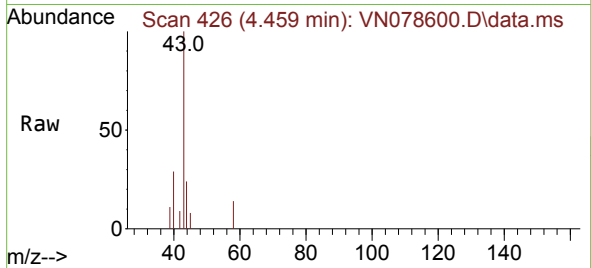




#16
Acetone
Concen: 3.205 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

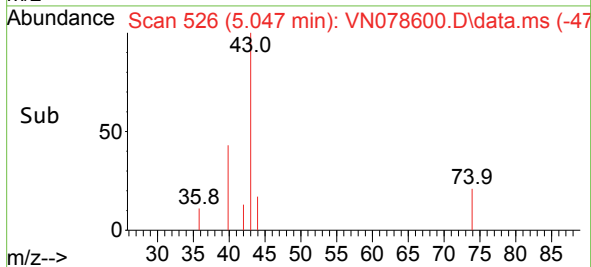
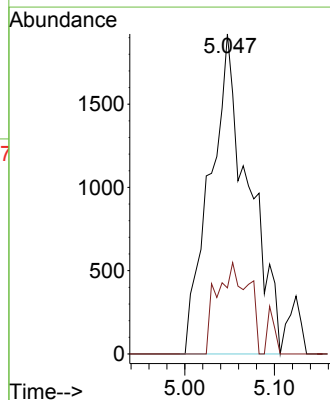
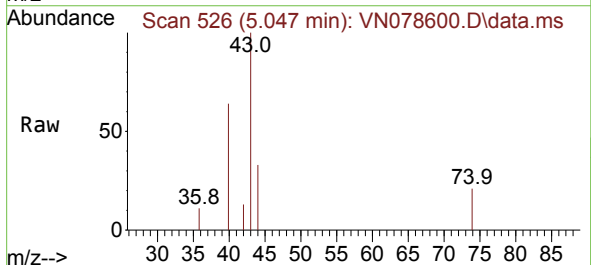
Instrument :
MSVOA_N
ClientSampleId :

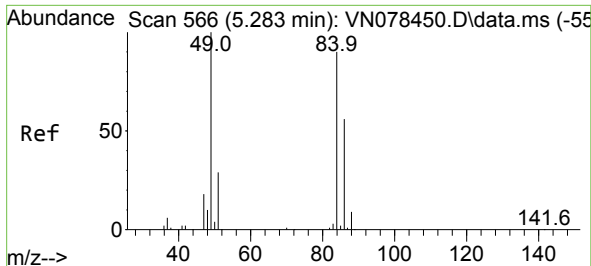
Tgt Ion: 43 Resp: 5487
Ion Ratio Lower Upper
43 100
58 14.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.788 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.011 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

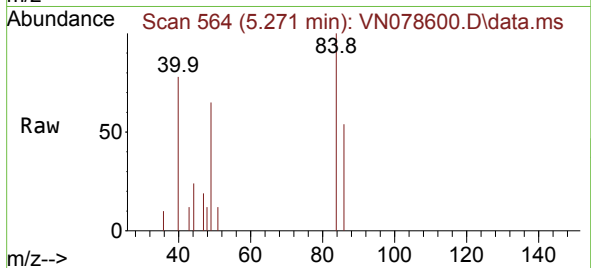
Tgt Ion: 43 Resp: 5713
Ion Ratio Lower Upper
43 100
74 23.4 26.2 39.4#



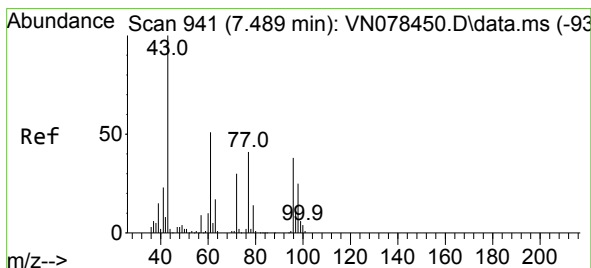
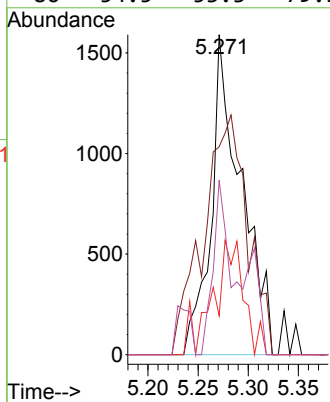
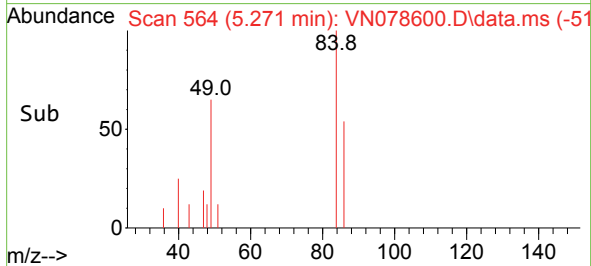


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Instrument :
MSVOA_N
ClientSampleId :

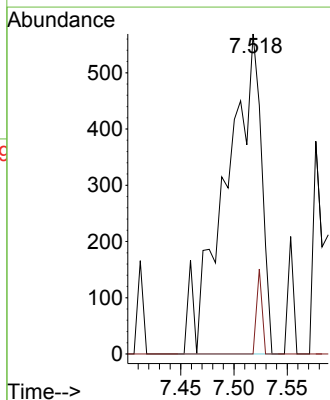
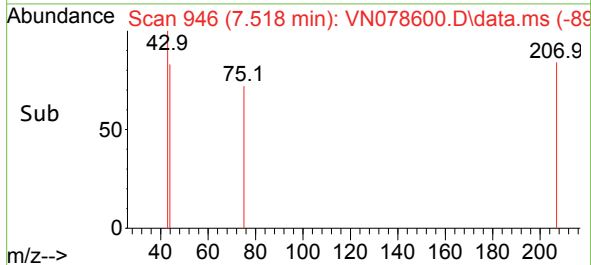
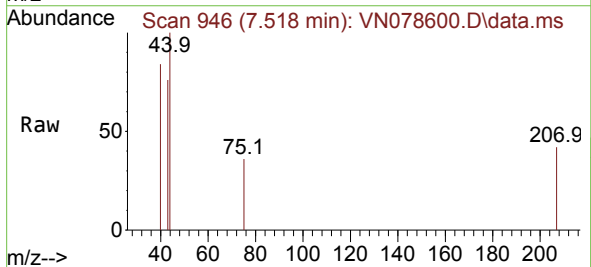


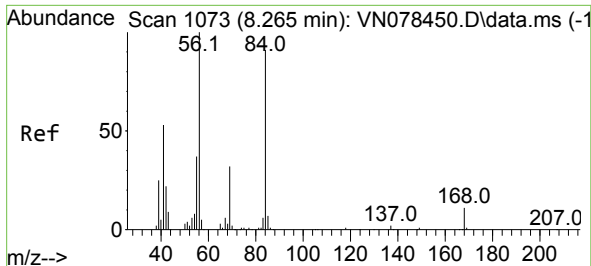
Tgt Ion: 84 Resp: 3338
Ion Ratio Lower Upper
84 100
49 65.0 79.7 119.5#
51 12.2 25.2 37.8#
86 54.5 53.3 79.9



#25
2-Butanone
Concen: 0.491 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.029 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

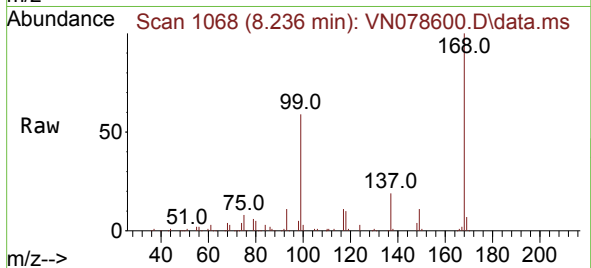
Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



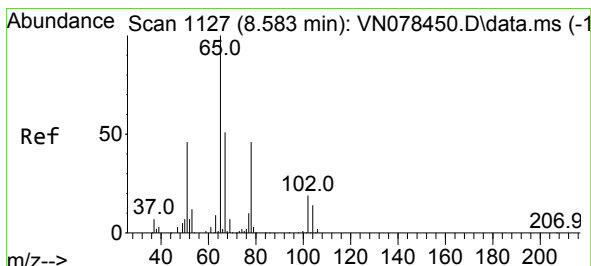
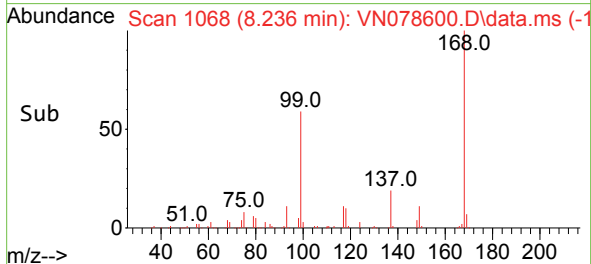
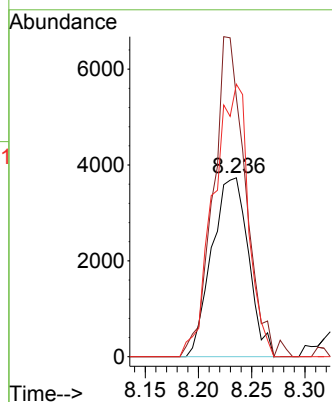


#31
Cyclohexane
Concen: 1.201 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078600.D
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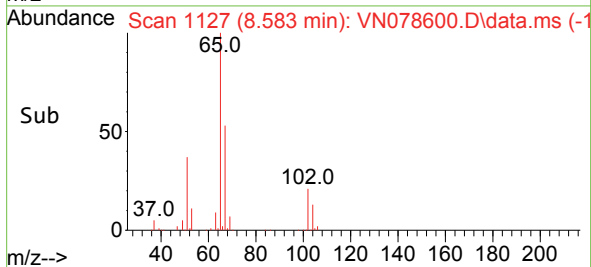
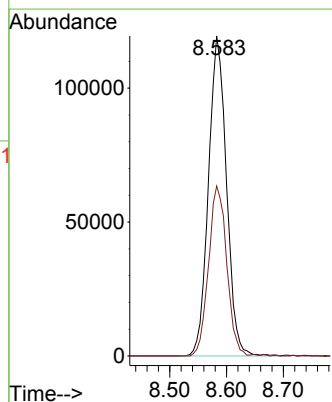
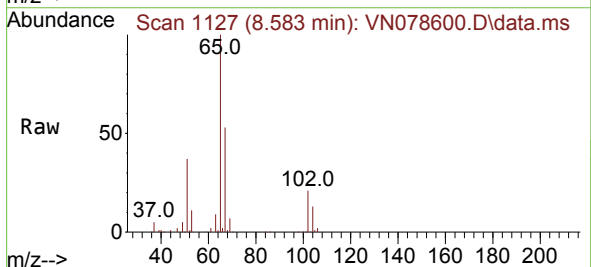


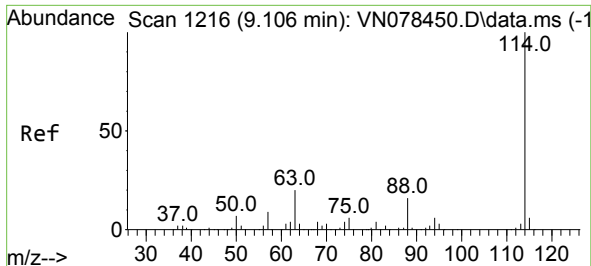
Tgt Ion: 56 Resp: 8916
Ion Ratio Lower Upper
56 100
69 144.8 26.8 40.2#
84 152.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.807 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Tgt Ion: 65 Resp: 262721
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6

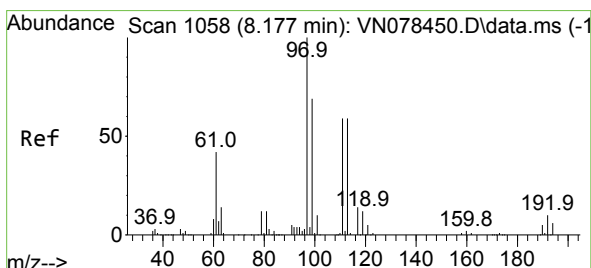
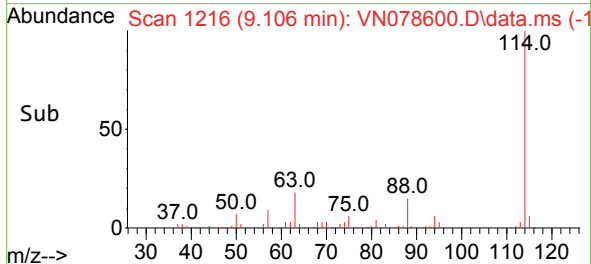
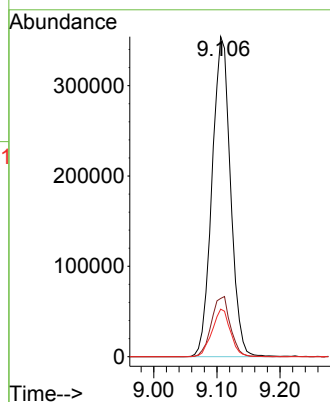
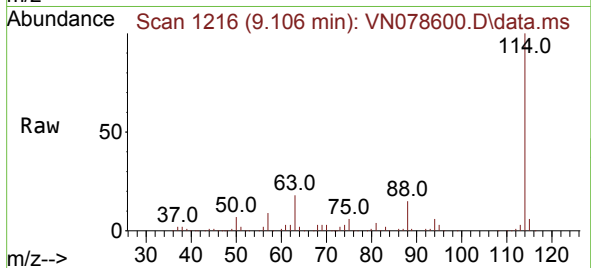




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

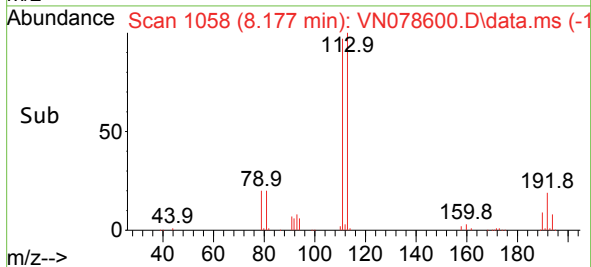
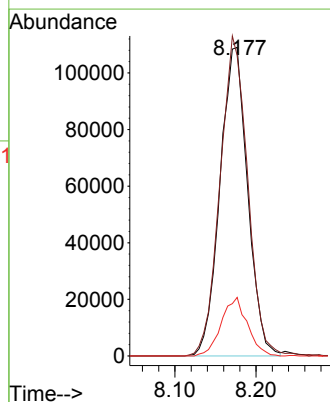
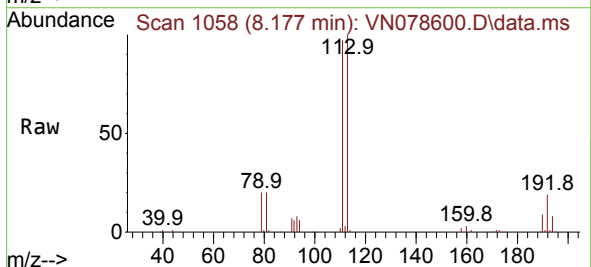
Instrument :
MSVOA_N
ClientSampleId :

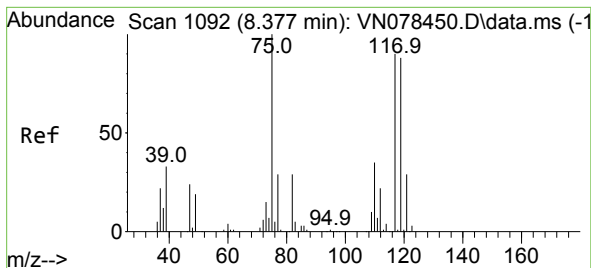
Tgt Ion:114 Resp: 719772
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.823 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Tgt Ion:113 Resp: 258093
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 17.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.665 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.142 min

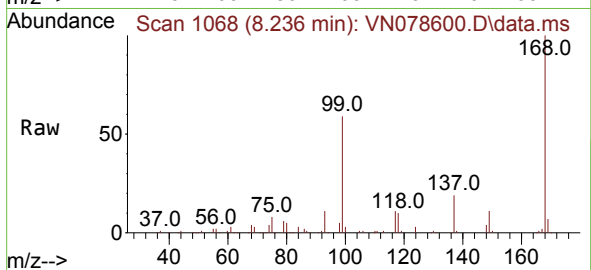
Lab File: VN078600.D

Acq: 20 Jul 2023 17:58

Instrument :

MSVOA_N

ClientSampleId :



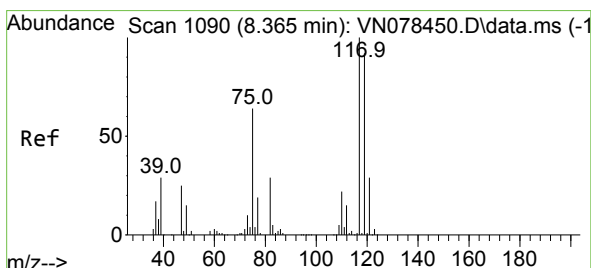
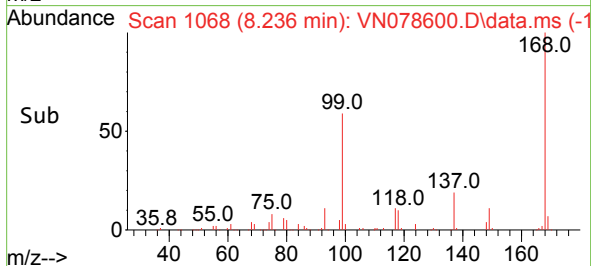
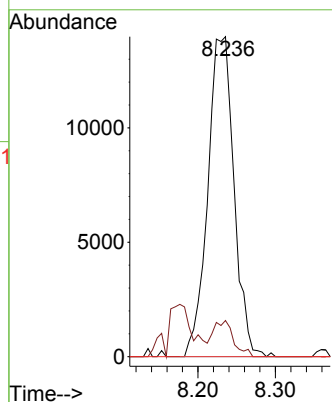
Tgt Ion: 75 Resp: 32909

Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.847 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN078600.D

Acq: 20 Jul 2023 17:58

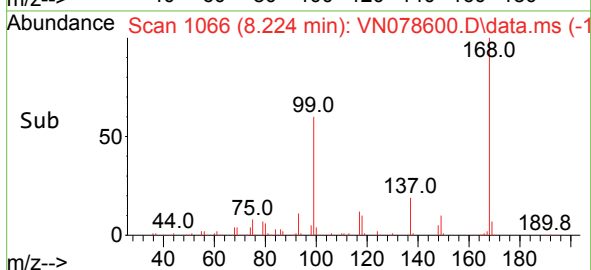
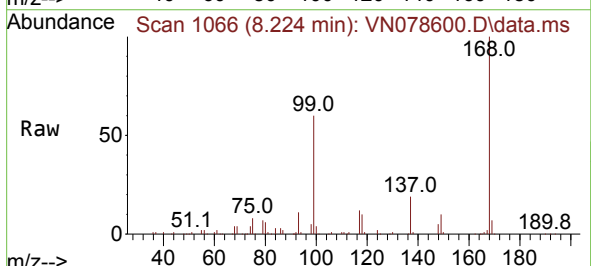
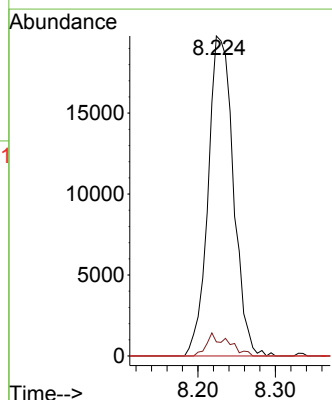
Tgt Ion: 117 Resp: 44830

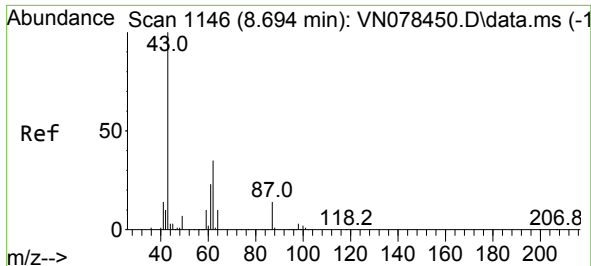
Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

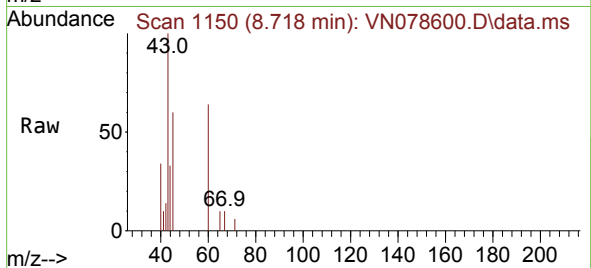
121 0.0 23.3 34.9#



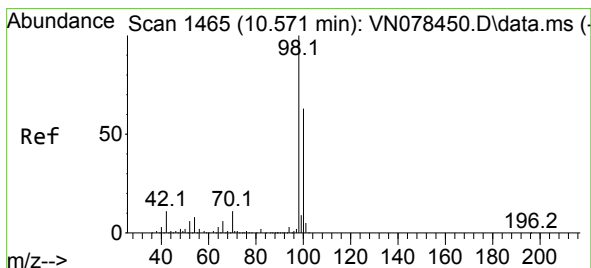
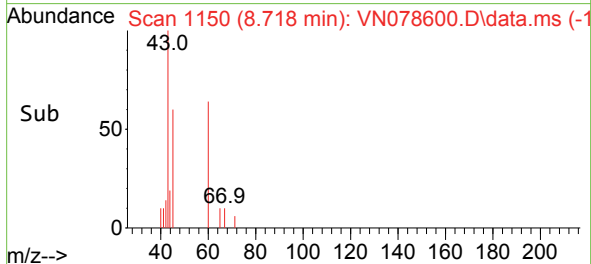
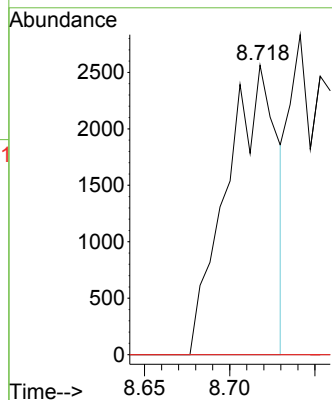


#43
Isopropyl Acetate
Concen: 0.546 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Instrument :
MSVOA_N
ClientSampleId :

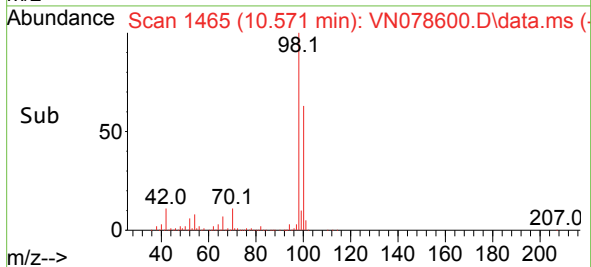
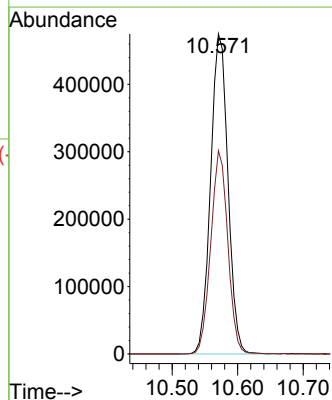
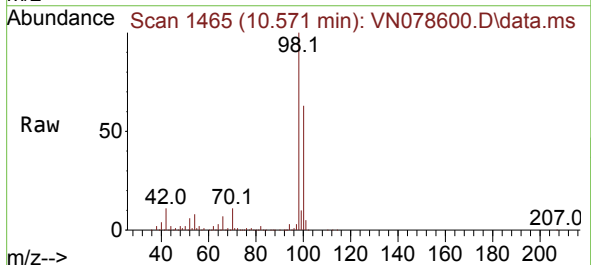


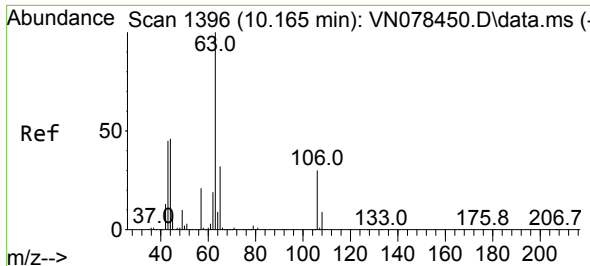
Tgt Ion: 43 Resp: 5289
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.279 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Tgt Ion: 98 Resp: 872677
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0

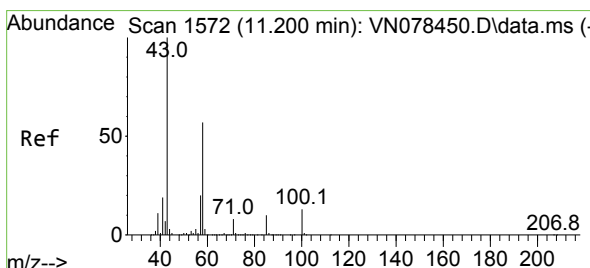
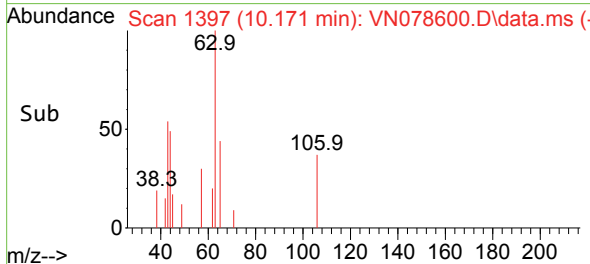
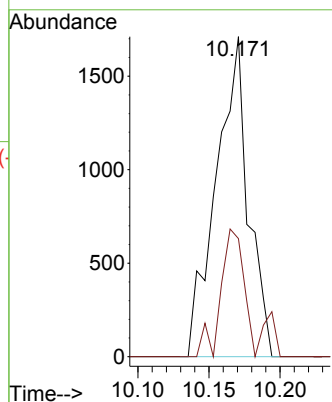
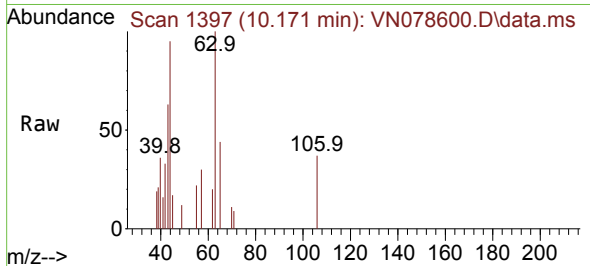




#58
2-Chloroethyl Vinyl ether
Concen: 1.060 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

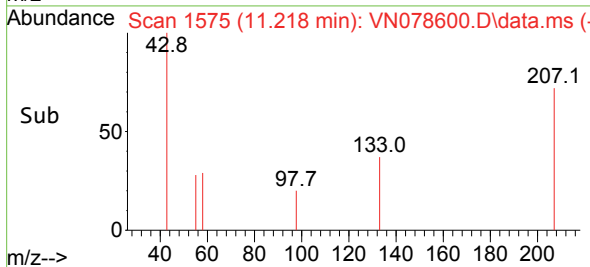
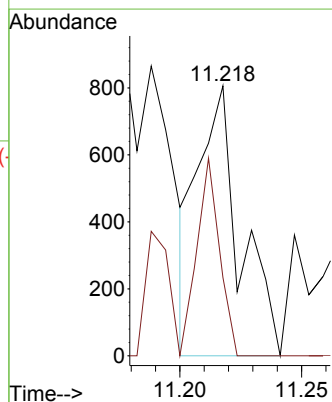
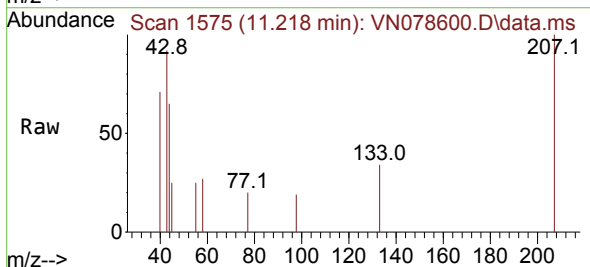
Instrument :
MSVOA_N
ClientSampleId :

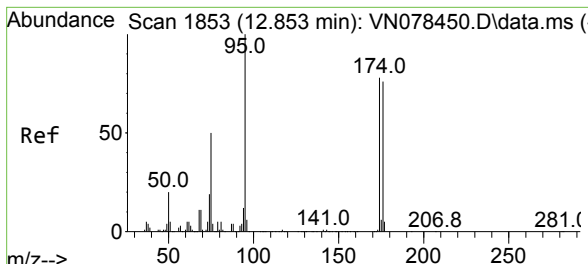
Tgt Ion: 63 Resp: 2694
Ion Ratio Lower Upper
63 100
106 28.6 26.2 39.4



#59
2-Hexanone
Concen: 0.239 ug/l
RT: 11.218 min Scan# 1575
Delta R.T. 0.018 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

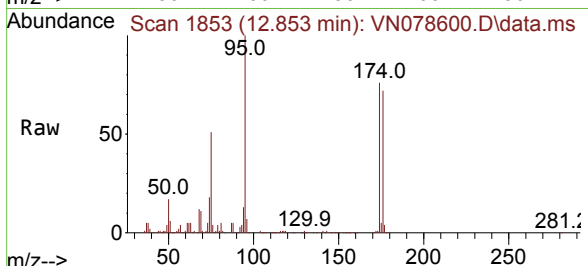
Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
58 39.2 31.7 95.1





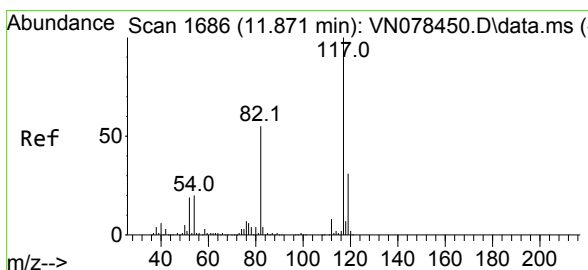
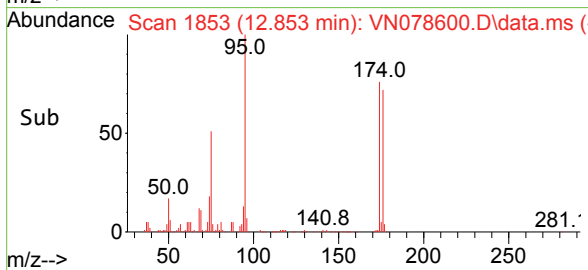
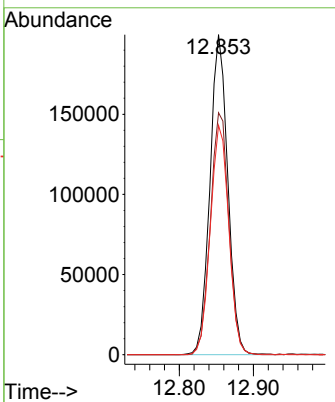
#62
 4-Bromofluorobenzene
 Concen: 58.657 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078600.D
 Acq: 20 Jul 2023 17:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 95 Resp: 333492

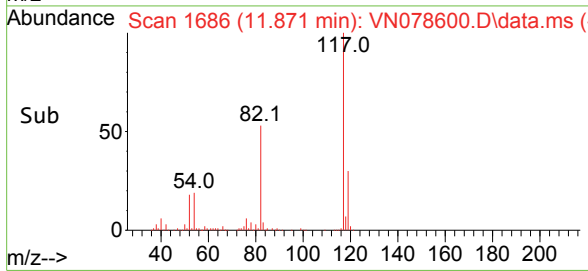
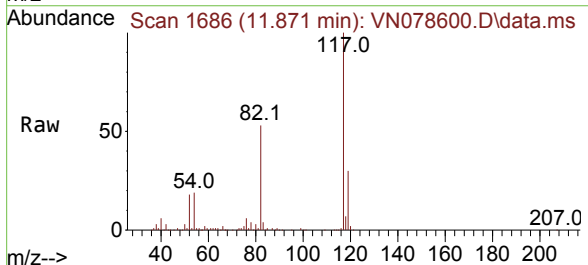
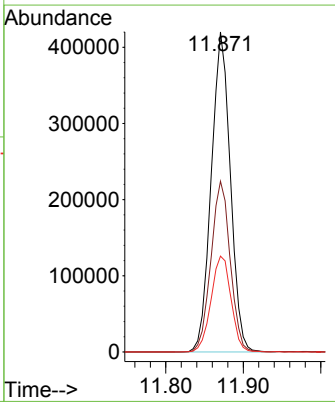
Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	143.8
176	74.1	0.0	135.8

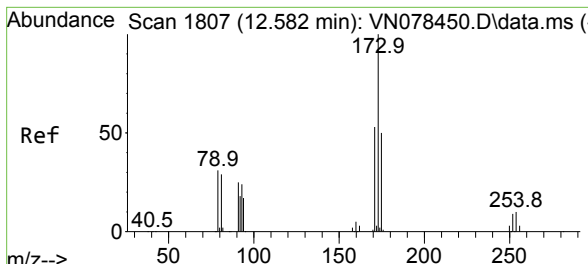


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078600.D
 Acq: 20 Jul 2023 17:58

Tgt Ion: 117 Resp: 718226

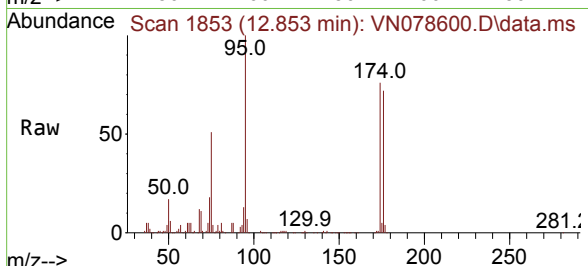
Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.0	66.0
119	30.0	25.6	38.4





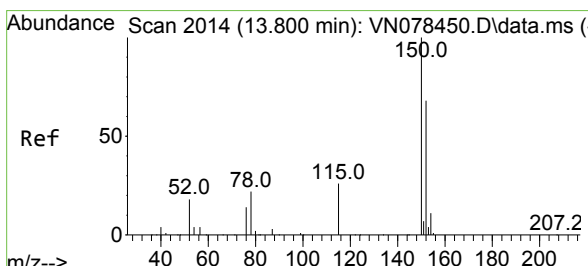
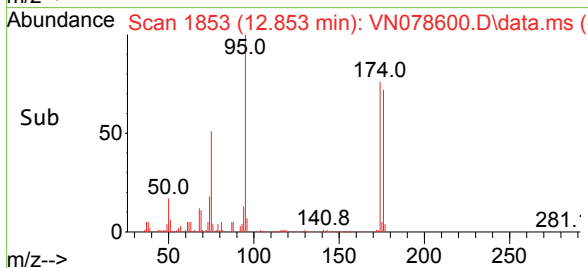
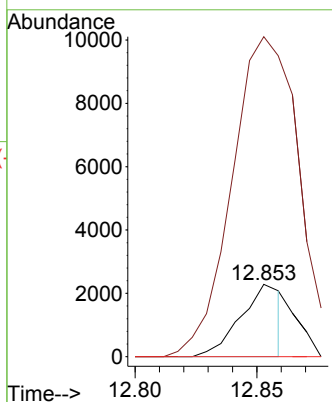
#71
 Bromoform
 Concen: 0.638 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.271 min
 Lab File: VN078600.D
 Acq: 20 Jul 2023 17:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:173 Resp: 2669

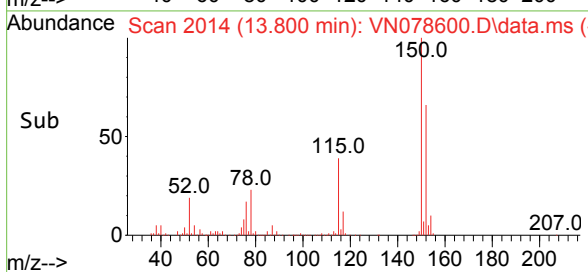
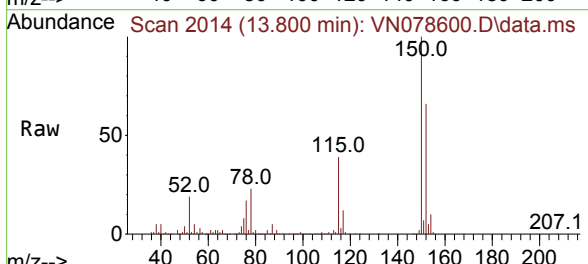
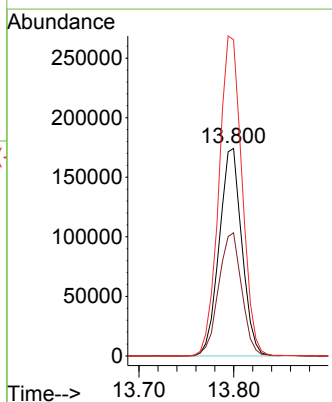
Ion	Ratio	Lower	Upper
173	100		
175	537.4	24.3	73.0#
254	0.0	0.0	0.0

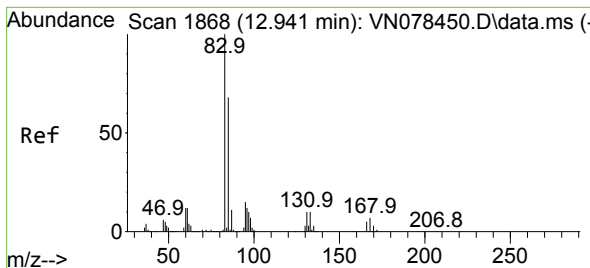


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078600.D
 Acq: 20 Jul 2023 17:58

Tgt Ion:152 Resp: 289939

Ion	Ratio	Lower	Upper
152	100		
115	60.6	32.3	96.8
150	157.6	0.0	355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.923 min Scan# 1865

Delta R.T. -0.018 min

Lab File: VN078600.D

Acq: 20 Jul 2023 17:58

Instrument :

MSVOA_N

ClientSampleId :

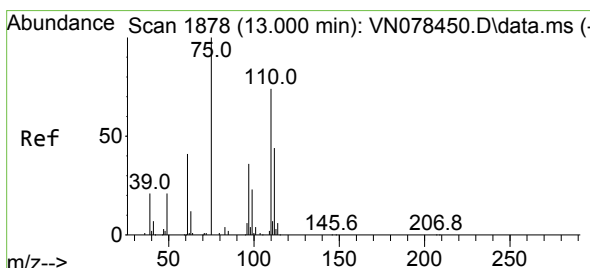
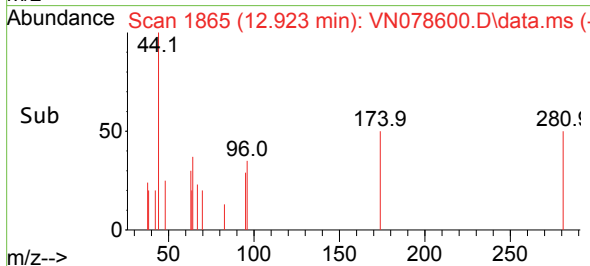
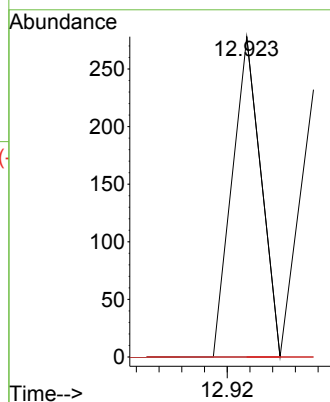
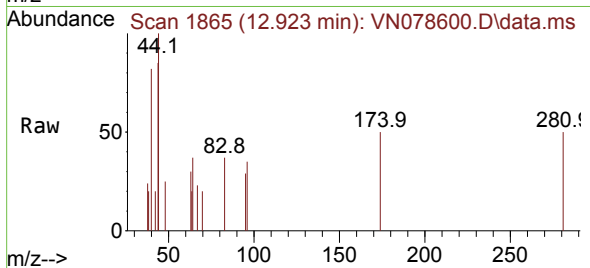
Tgt Ion: 83 Resp: 98

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: 25.185 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078600.D

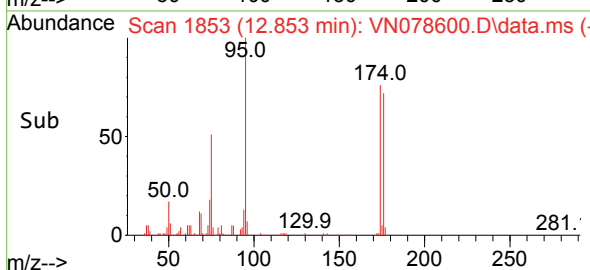
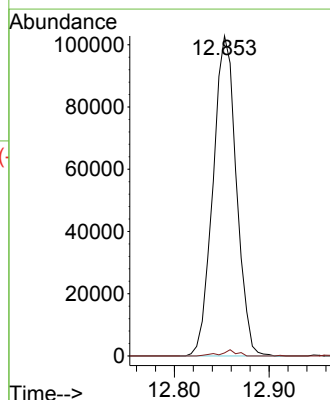
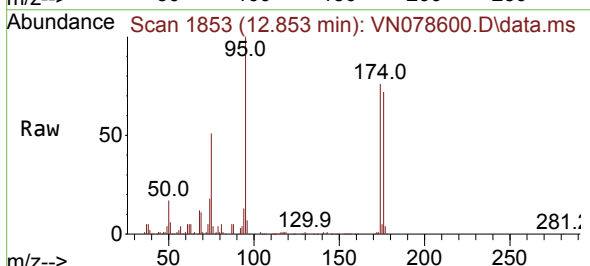
Acq: 20 Jul 2023 17:58

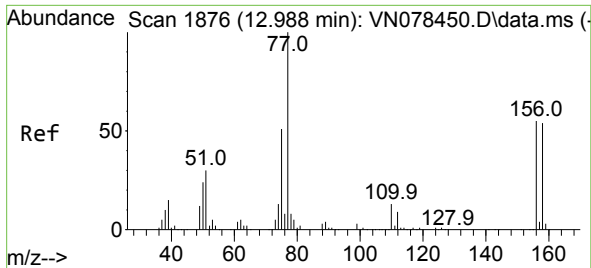
Tgt Ion: 75 Resp: 176503

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#

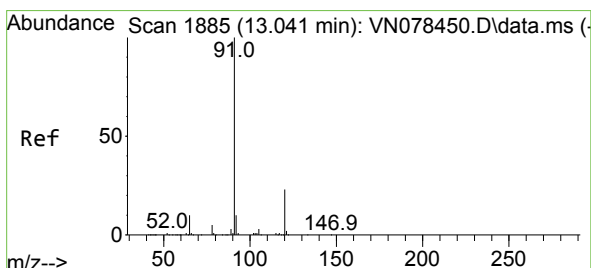
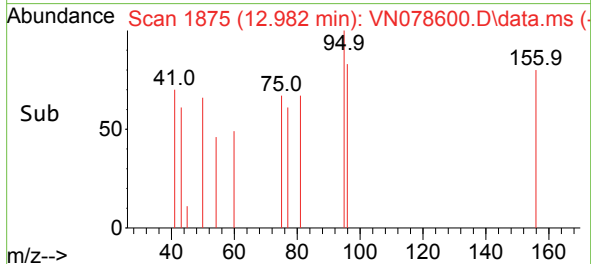
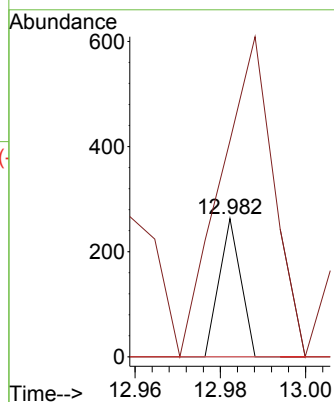
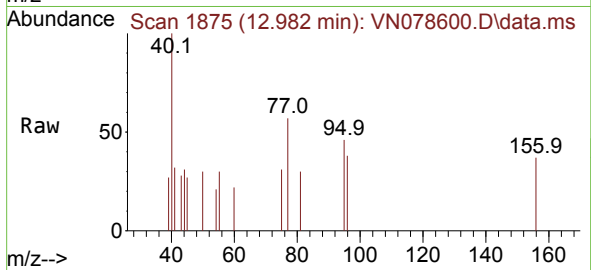




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

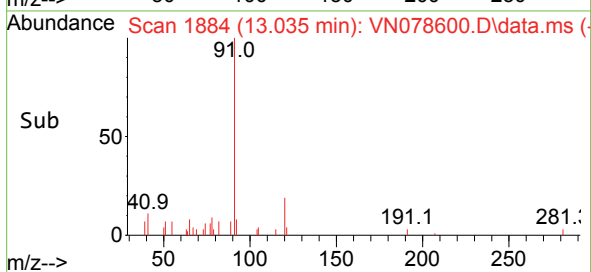
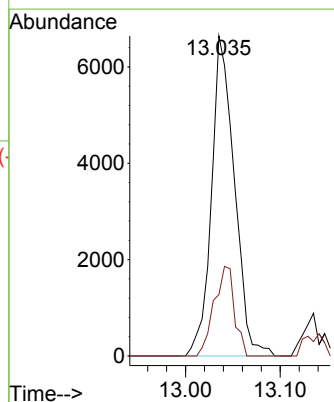
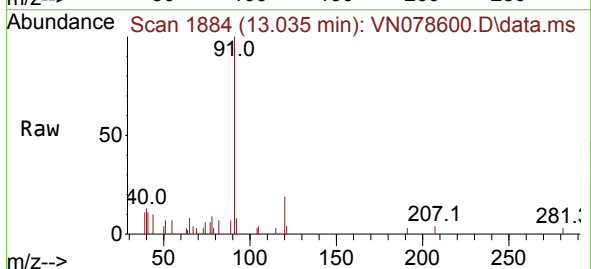
Instrument :
MSVOA_N
ClientSampleId :

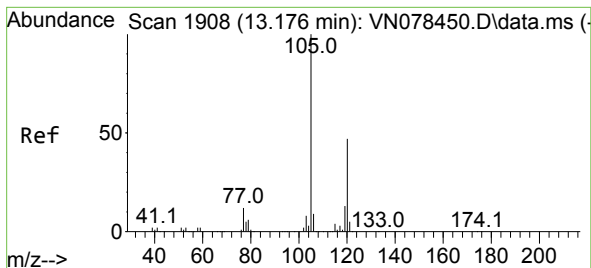
Tgt Ion:156 Resp: 93
Ion Ratio Lower Upper
156 100
77 563.4 107.7 323.3#
158 0.0 48.4 145.3#



#78
n-propylbenzene
Concen: 0.384 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Tgt Ion: 91 Resp: 11179
Ion Ratio Lower Upper
91 100
120 24.7 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.300 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. 0.171 min

Lab File: VN078600.D

Acq: 20 Jul 2023 17:58

Instrument :

MSVOA_N

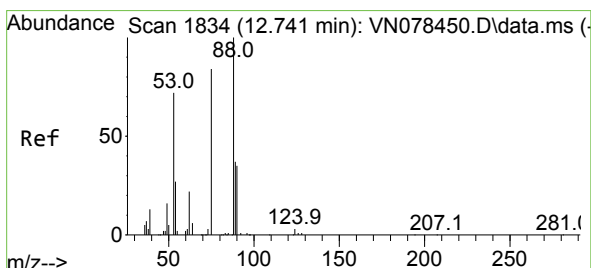
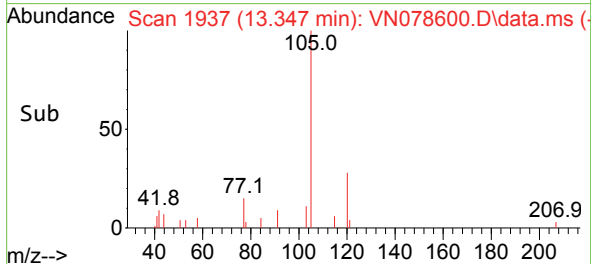
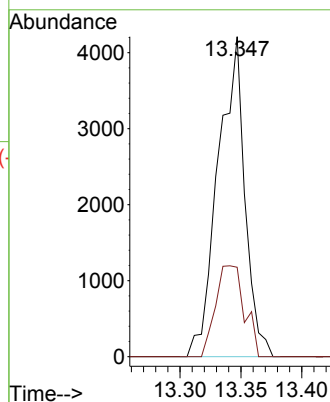
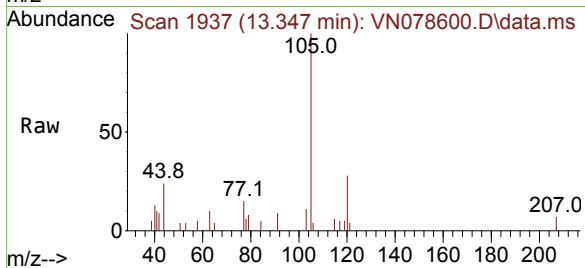
ClientSampleId :

Tgt Ion:105 Resp: 6450

Ion Ratio Lower Upper

105 100

120 30.6 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 66.182 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078600.D

Acq: 20 Jul 2023 17:58

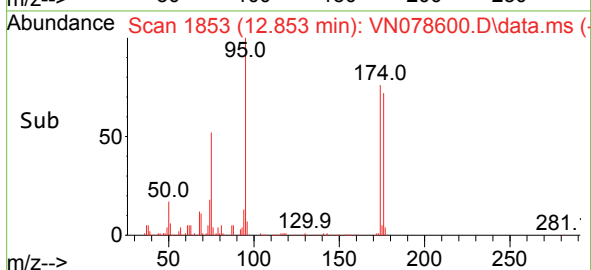
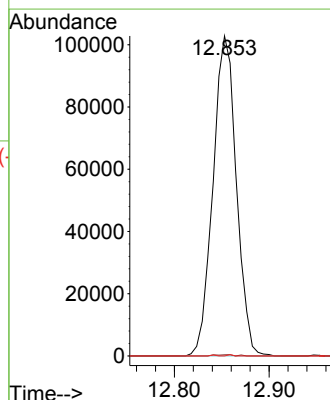
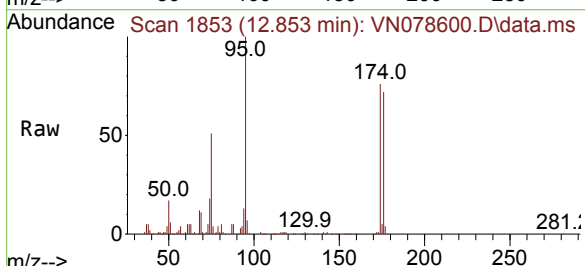
Tgt Ion: 75 Resp: 176503

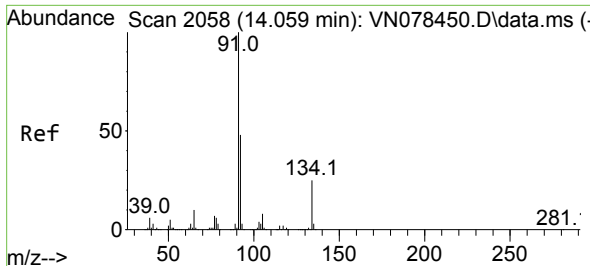
Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

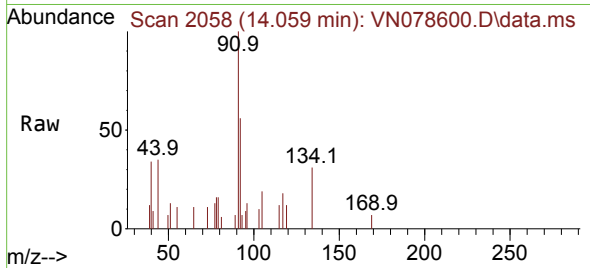
89 0.1 38.8 58.2#



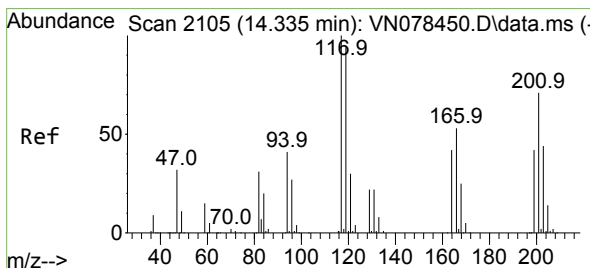
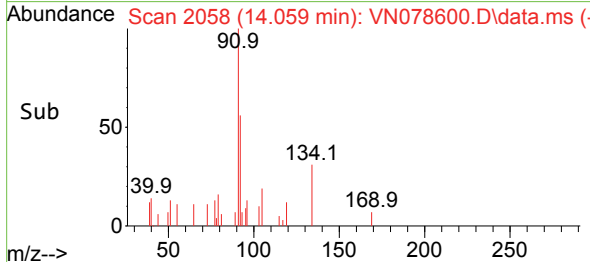
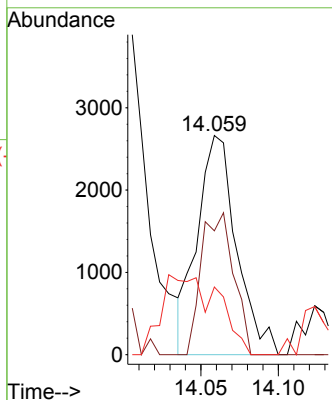


#89
n-Butylbenzene
Concen: 0.354 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Instrument :
MSVOA_N
ClientSampleId :

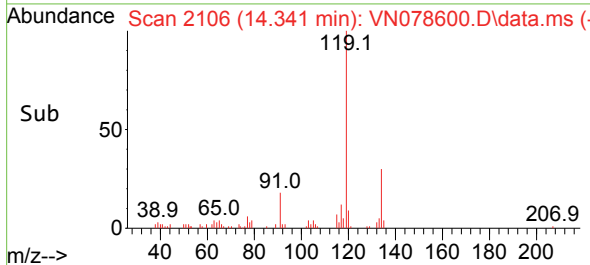
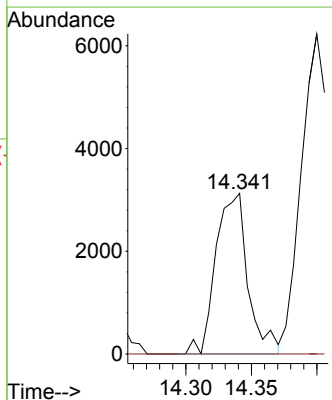
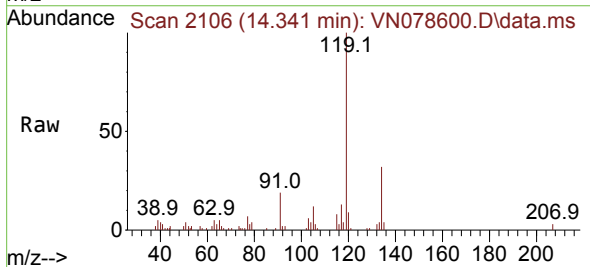


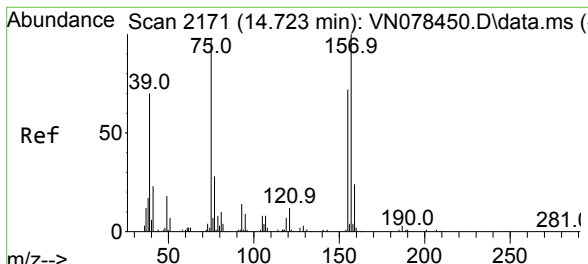
Tgt Ion: 91 Resp: 4695
Ion Ratio Lower Upper
91 100
92 53.4 26.4 79.0
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 0.754 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Tgt Ion: 117 Resp: 5310
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

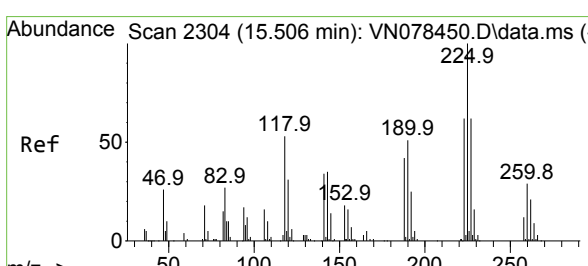
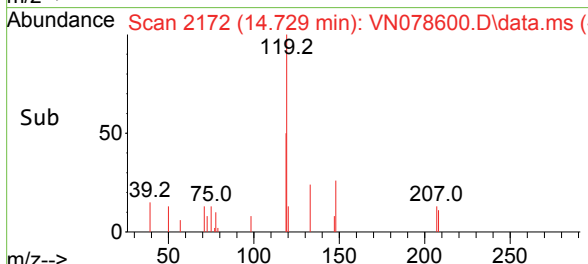
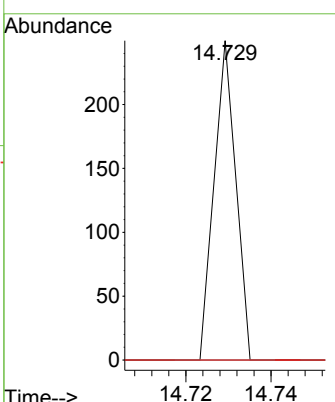
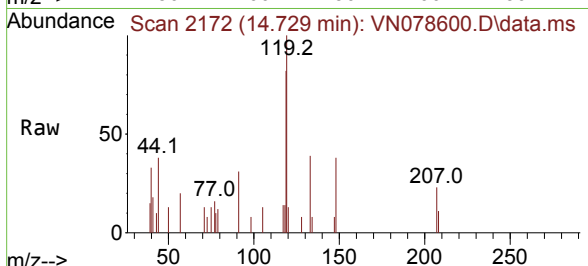




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.729 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VN078600.D
 Acq: 20 Jul 2023 17:58

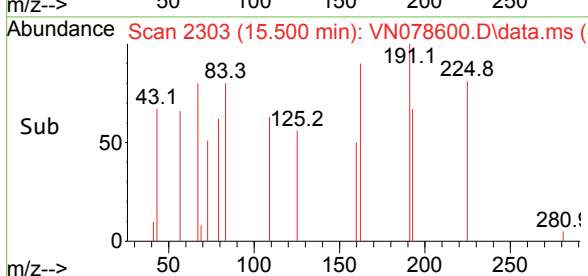
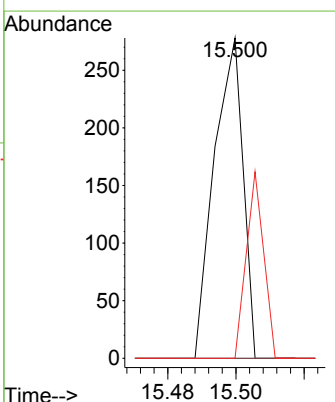
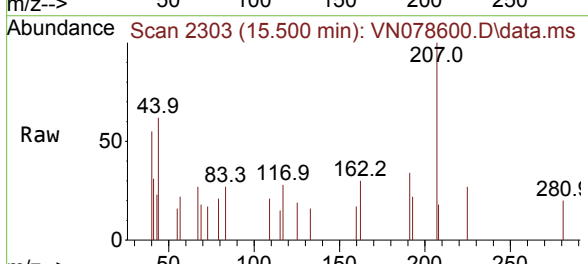
Instrument :
 MSVOA_N
 ClientSampleId :

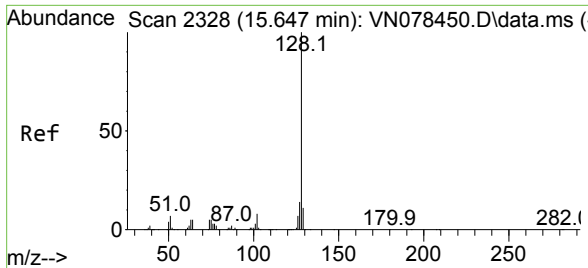
Tgt Ion:	75	Resp:	88
Ion Ratio	Lower	Upper	
75	100		
155	0.0	39.1	117.2#
157	0.0	50.3	150.9#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.006 min
 Lab File: VN078600.D
 Acq: 20 Jul 2023 17:58

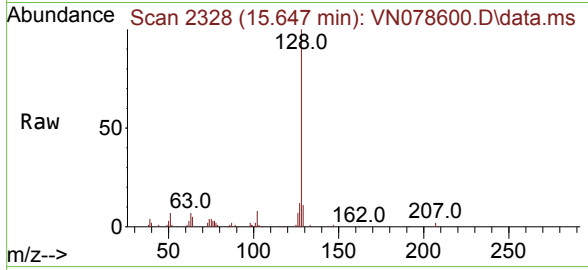
Tgt Ion:	225	Resp:	163
Ion Ratio	Lower	Upper	
225	100		
223	0.0	31.3	93.8#
227	35.0	31.9	95.9





#95
Naphthalene
Concen: 8.712 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078600.D
Acq: 20 Jul 2023 17:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 98932
Ion Ratio Lower Upper
128 100
127 13.4 10.0 15.0
129 11.3 8.7 13.1

