

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080203.D
 Acq On : 20 Nov 2023 13:25
 Operator : JC\MD
 Sample : 05481-02 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

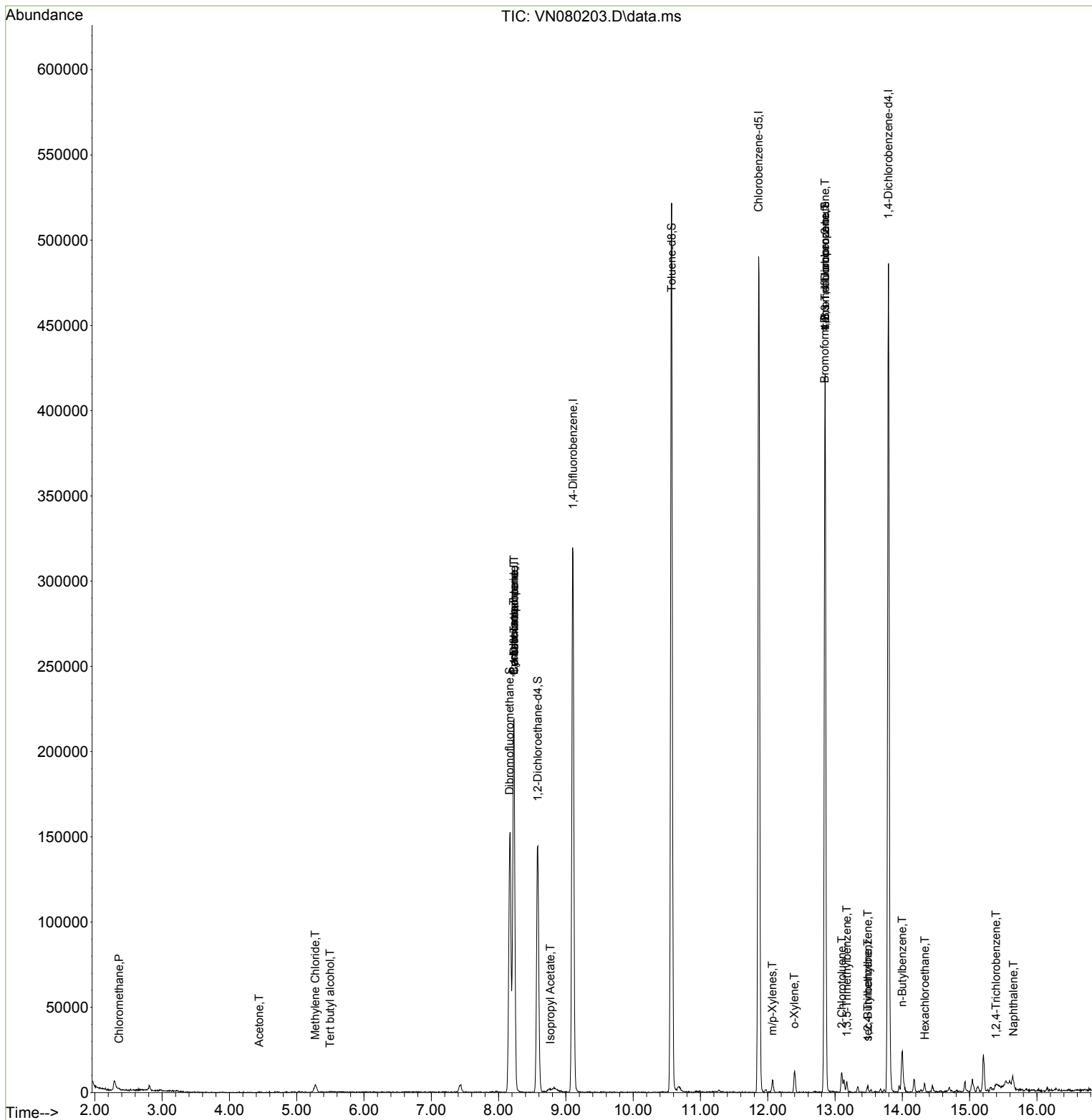
Quant Time: Nov 21 01:03:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

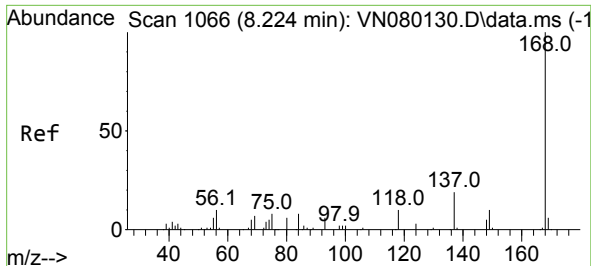
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	145997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	268674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	137391	56.994	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.980%			
35) Dibromofluoromethane	8.165	113	104236	52.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.160%			
50) Toluene-d8	10.570	98	355217	49.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.853	95	137135	50.804	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.600%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	392	0.240	ug/l #	42
6) Chloroethane	3.118	64	130	Below Cal	#	43
11) Tert butyl alcohol	5.494	59	58	0.219	ug/l #	72
16) Acetone	4.441	43	223	0.275	ug/l #	40
20) Methylene Chloride	5.277	84	3283	1.936	ug/l	92
31) Cyclohexane	8.224	56	3841	1.465	ug/l #	37
36) 1,1-Dichloropropene	8.229	75	13103	4.565	ug/l #	49
38) Carbon Tetrachloride	8.229	117	17864	4.905	ug/l #	14
43) Isopropyl Acetate	8.771	43	2208	0.570	ug/l #	49
68) m/p-Xylenes	12.070	106	2343	0.564	ug/l	97
69) o-Xylene	12.394	106	3655	0.933	ug/l	99
71) Bromoform	12.847	173	552	0.299	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	81061	25.611	ug/l #	1
79) 2-Chlorotoluene	13.100	91	2471	0.339	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.176	105	2883	0.330	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.853	75	81061	86.530	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	2728	0.317	ug/l	93
85) sec-Butylbenzene	13.488	105	2728	0.308	ug/l #	57
89) n-Butylbenzene	14.000	91	2897	0.437	ug/l #	39
90) Hexachloroethane	14.335	117	410	0.266	ug/l #	21
93) 1,2,4-Trichlorobenzene	15.394	180	529	0.208	ug/l #	83
95) Naphthalene	15.653	128	5706	0.775	ug/l #	71

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

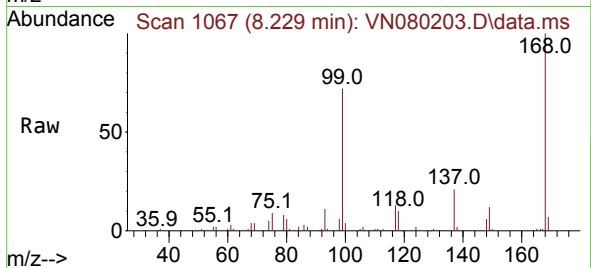
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
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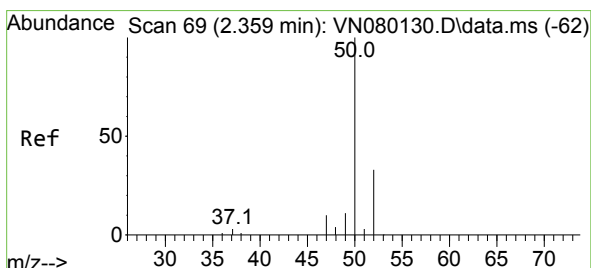
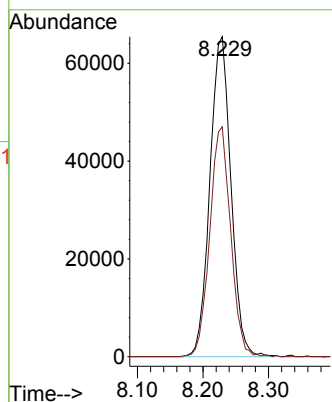
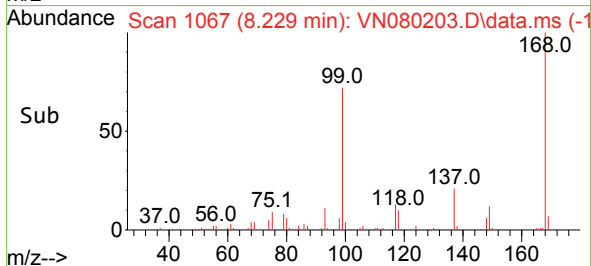


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Instrument :
MSVOA_N
ClientSampleId :

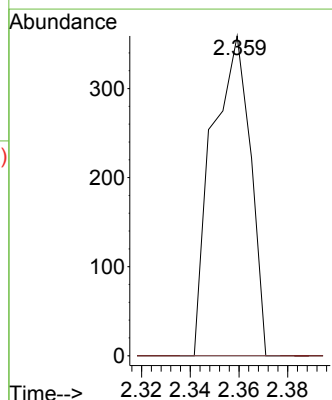
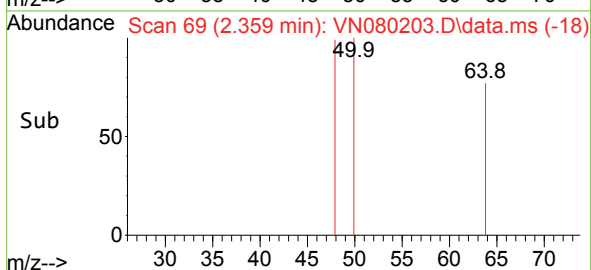
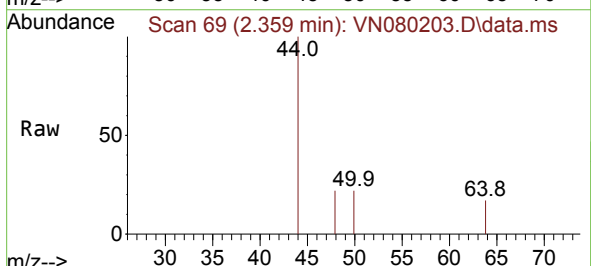


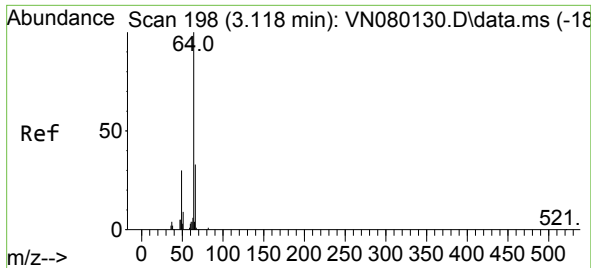
Tgt Ion:168 Resp: 145997
Ion Ratio Lower Upper
168 100
99 71.8 53.0 79.6



#3
Chloromethane
Concen: 0.240 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Tgt Ion: 50 Resp: 392
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

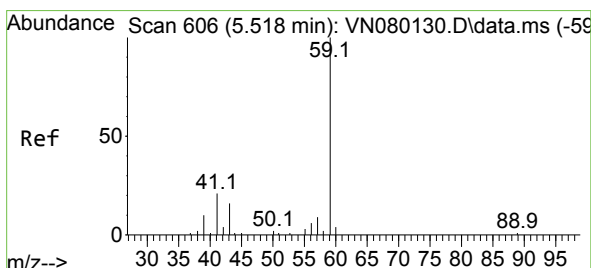
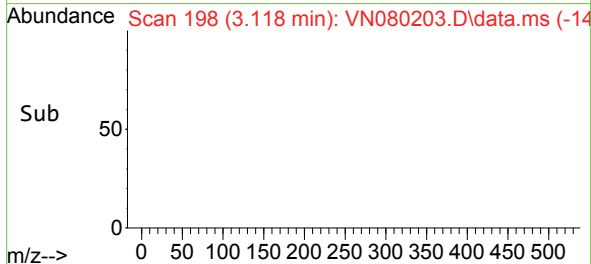
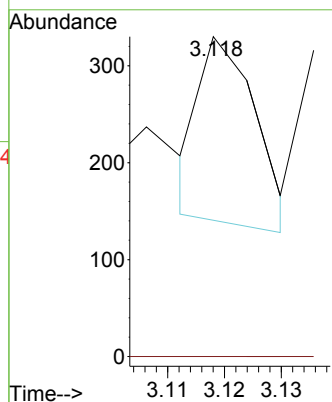
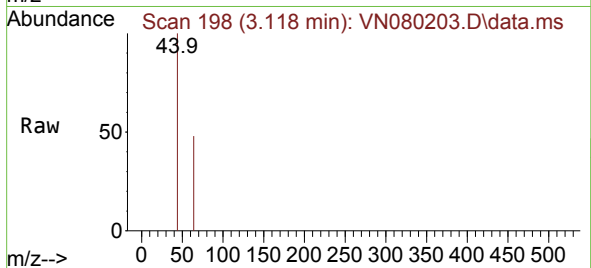




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

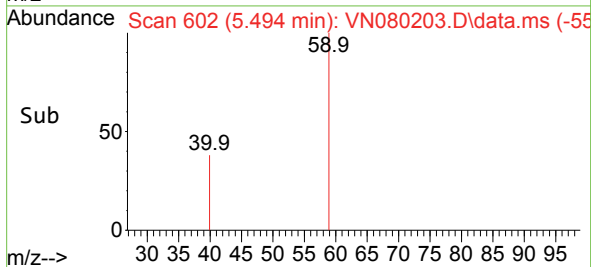
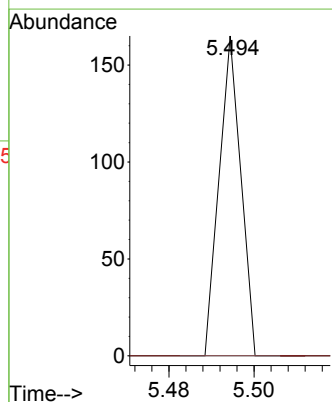
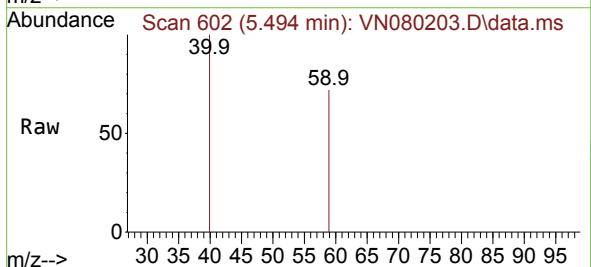
Instrument :
MSVOA_N
ClientSampleId :

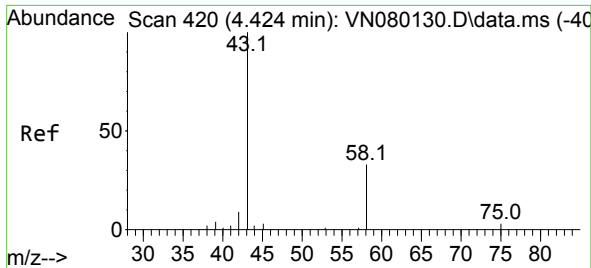
Tgt Ion: 64 Resp: 130
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.024 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.275 ug/l

RT: 4.441 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

Instrument :

MSVOA_N

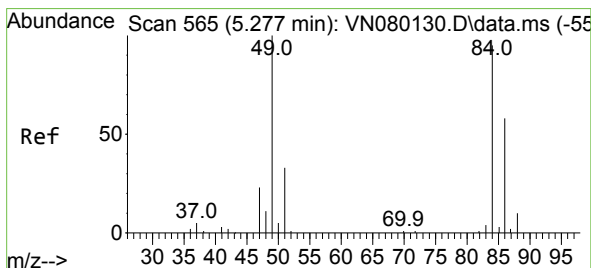
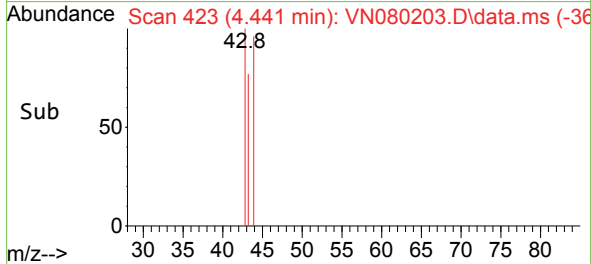
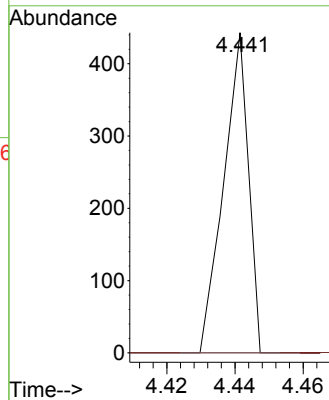
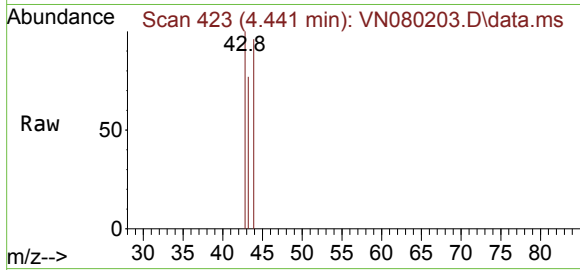
ClientSampleId :

Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: 1.936 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

Tgt Ion: 84 Resp: 3283

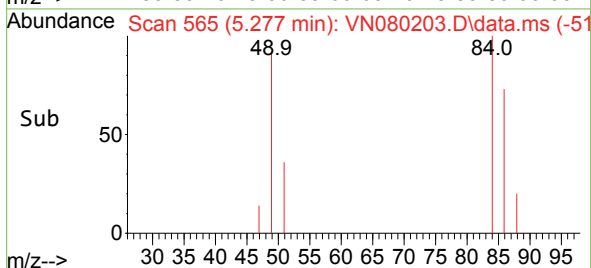
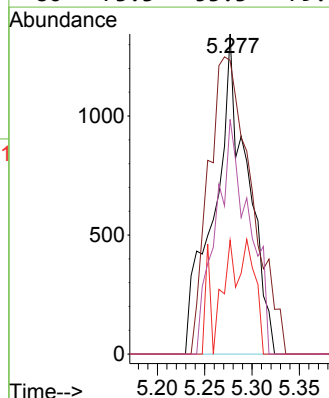
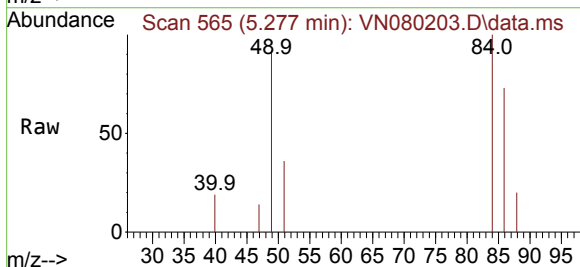
Ion Ratio Lower Upper

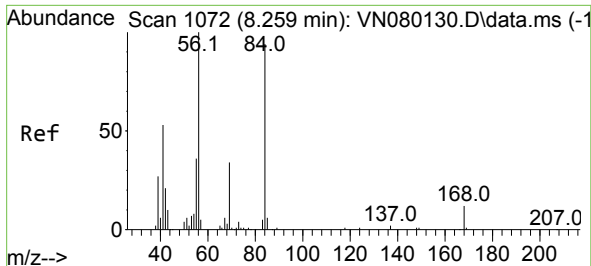
84 100

49 91.7 79.7 119.5

51 35.5 25.2 37.8

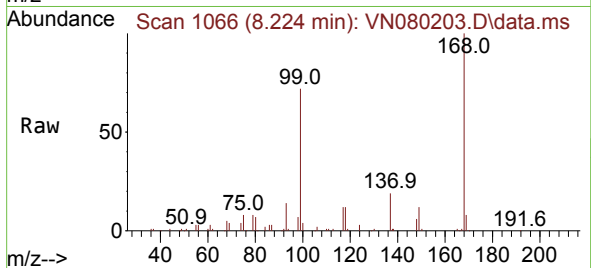
86 73.3 53.3 79.9



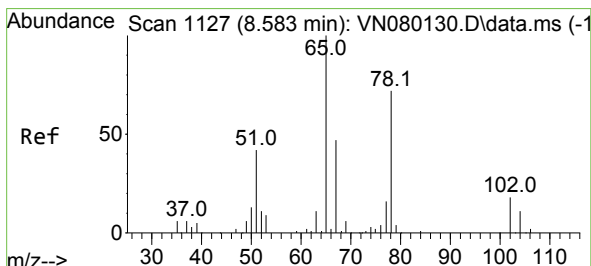
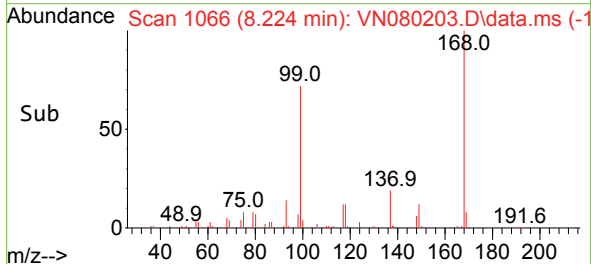
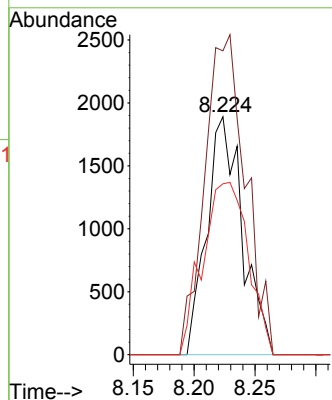


#31
Cyclohexane
Concen: 1.465 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Instrument :
MSVOA_N
ClientSampleId :

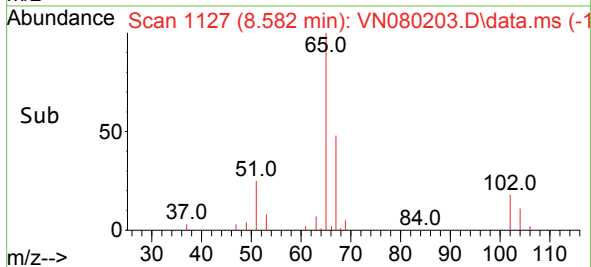
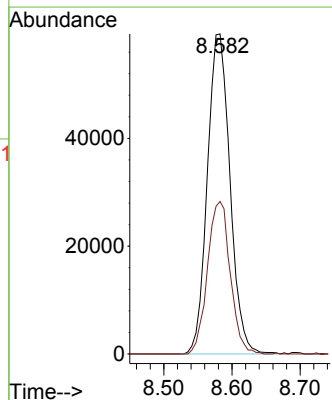
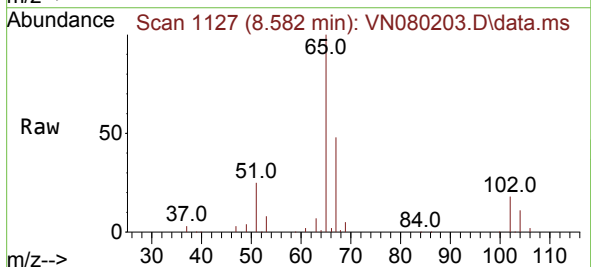


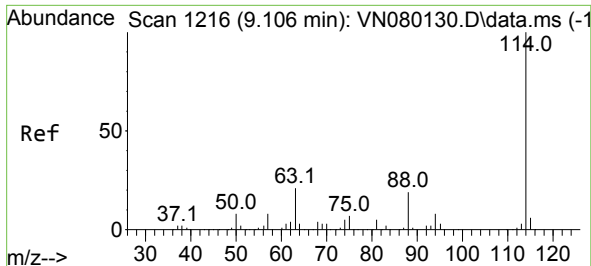
Tgt Ion: 56 Resp: 3841
Ion Ratio Lower Upper
56 100
69 127.7 26.8 40.2#
84 71.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 56.994 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Tgt Ion: 65 Resp: 137391
Ion Ratio Lower Upper
65 100
67 47.8 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: VN080203.D

Acq: 20 Nov 2023 13:25

Instrument :

MSVOA_N

ClientSampleId :

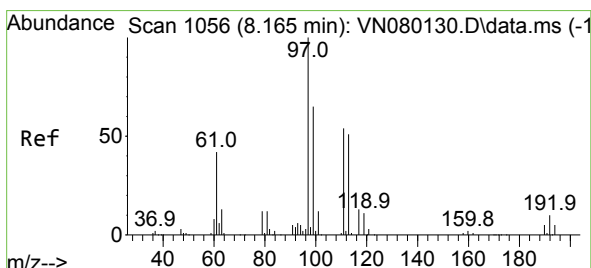
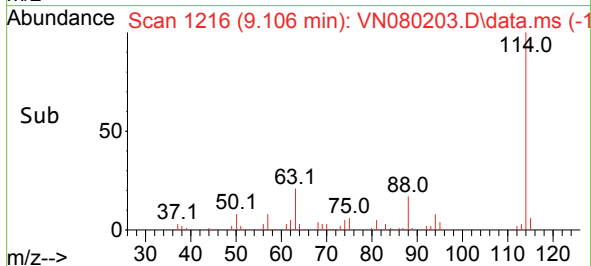
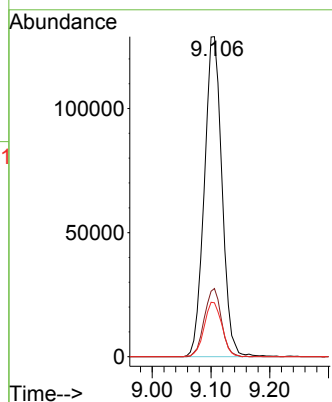
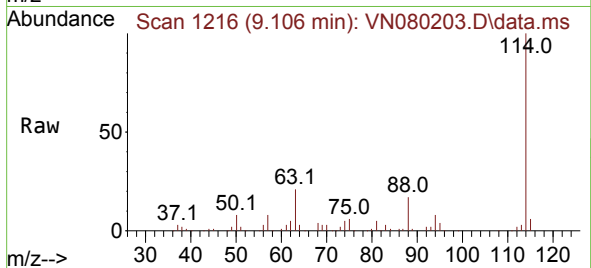
Tgt Ion:114 Resp: 268674

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 16.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.579 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

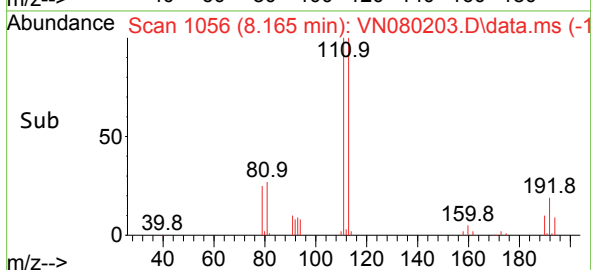
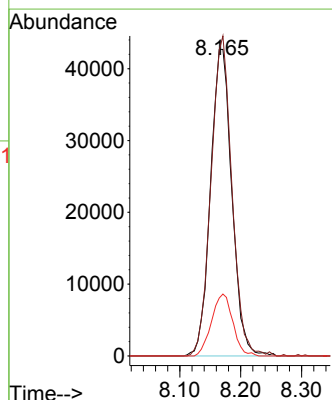
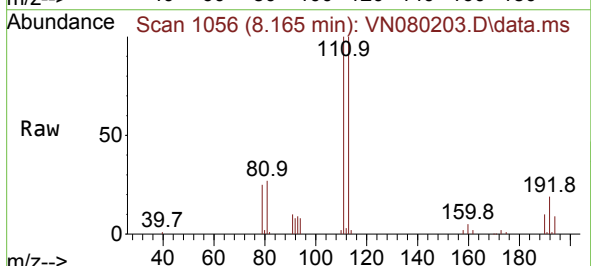
Tgt Ion:113 Resp: 104236

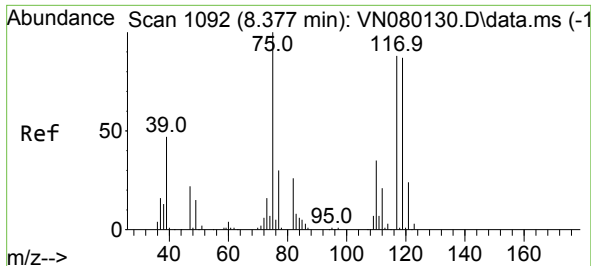
Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 20.1 12.7 19.1#

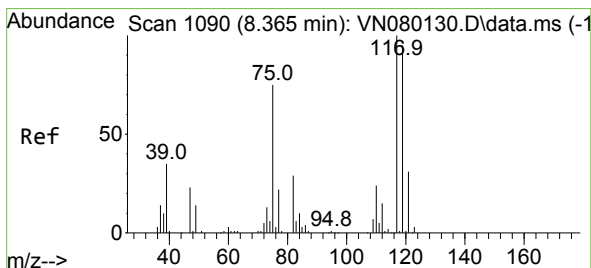
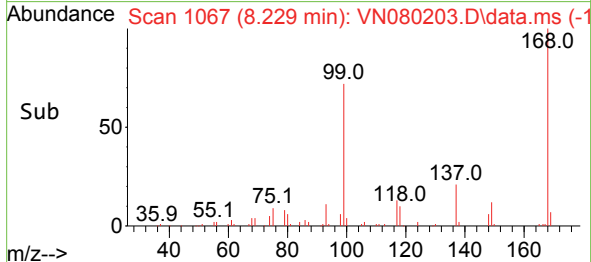
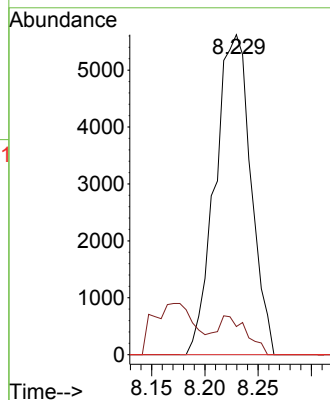
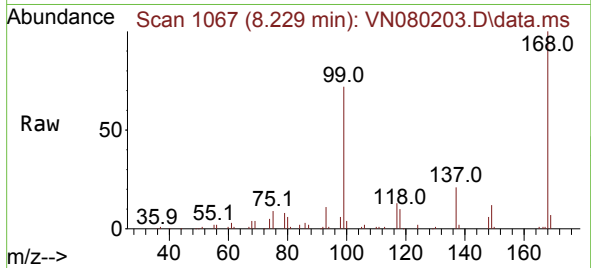




#36
1,1-Dichloropropene
Concen: 4.565 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

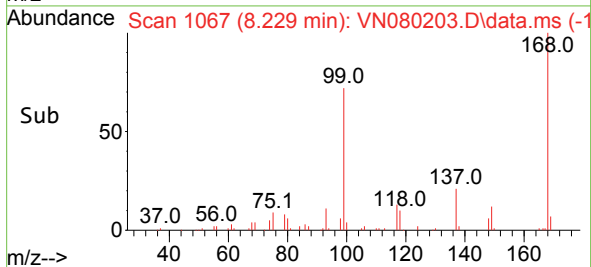
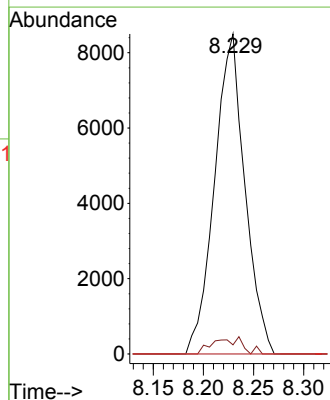
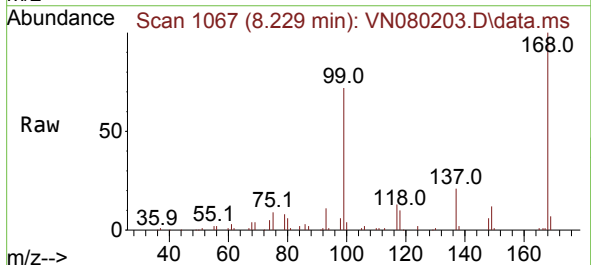
Instrument :
MSVOA_N
ClientSampleId :

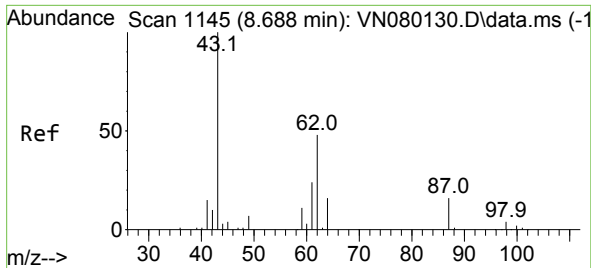
Tgt Ion: 75 Resp: 13103
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.905 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Tgt Ion: 117 Resp: 17864
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 23.3 34.9#

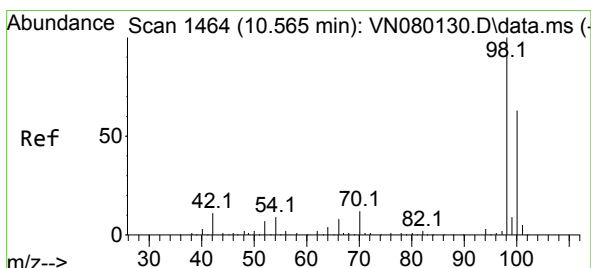
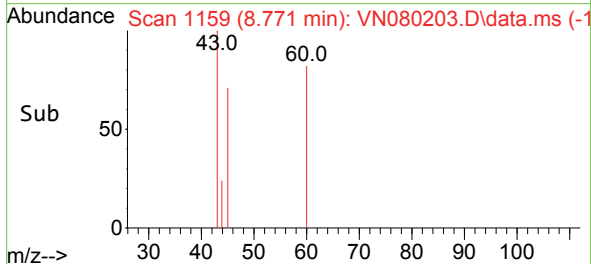
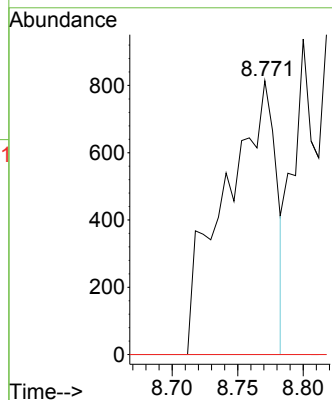
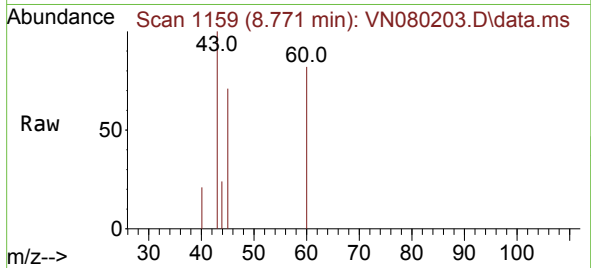




#43
Isopropyl Acetate
Concen: 0.570 ug/l
RT: 8.771 min Scan# 1145
Delta R.T. 0.082 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

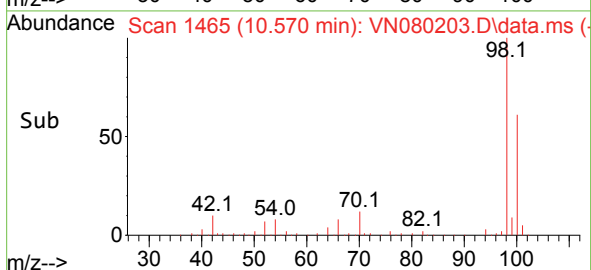
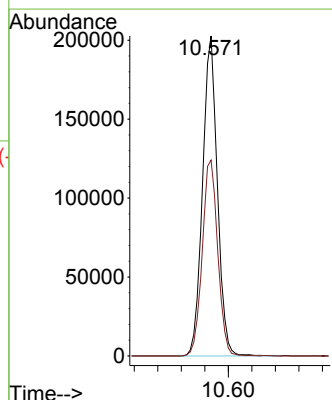
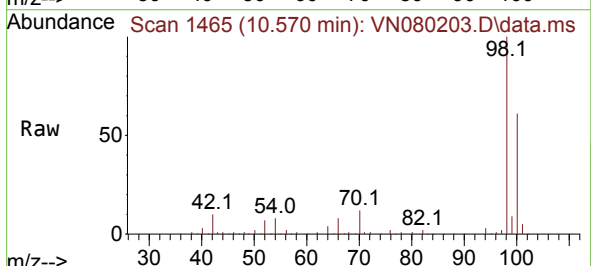
Instrument :
MSVOA_N
ClientSampleId :

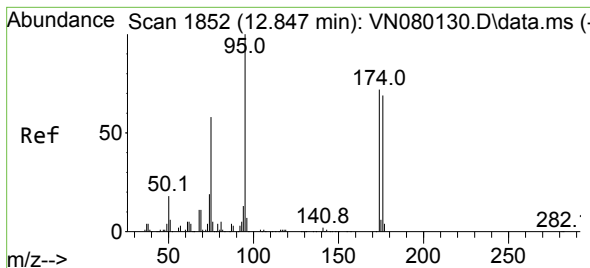
Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.706 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Tgt Ion: 98 Resp: 355217
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 50.804 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

Instrument :

MSVOA_N

ClientSampleId :

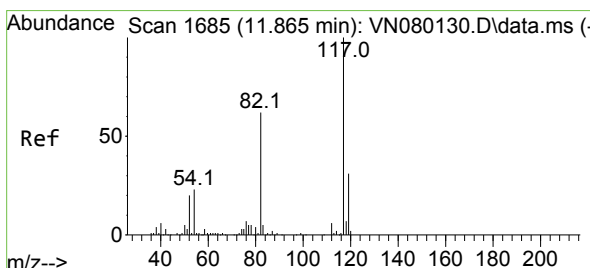
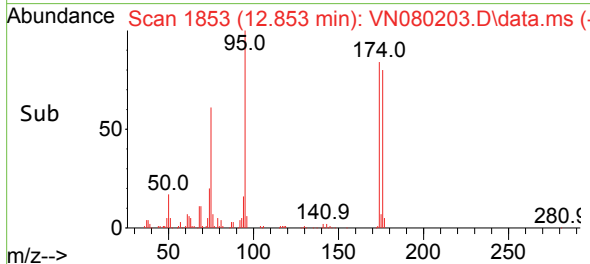
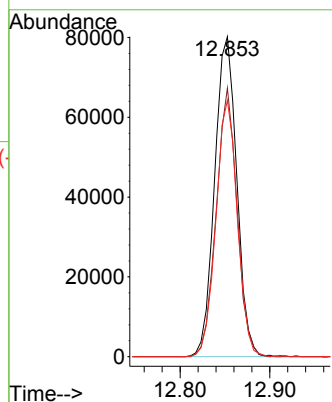
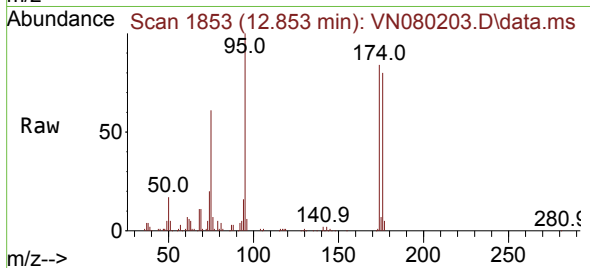
Tgt Ion: 95 Resp: 137135

Ion Ratio Lower Upper

95 100

174 79.3 0.0 143.8

176 77.3 0.0 135.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

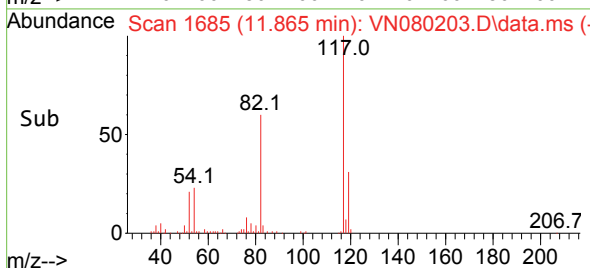
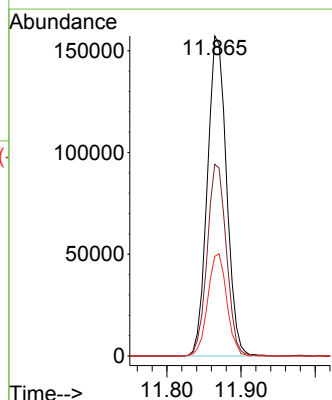
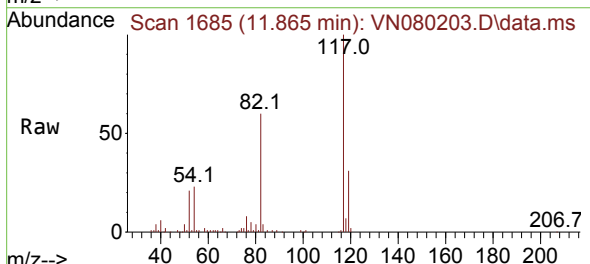
Tgt Ion: 117 Resp: 282756

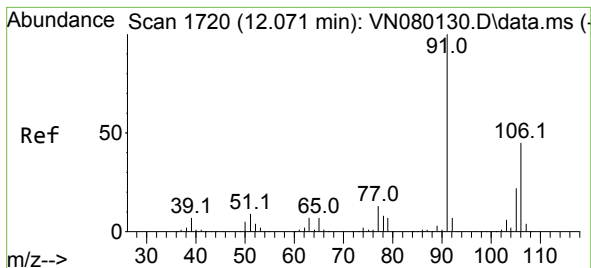
Ion Ratio Lower Upper

117 100

82 59.9 44.0 66.0

119 31.2 25.6 38.4

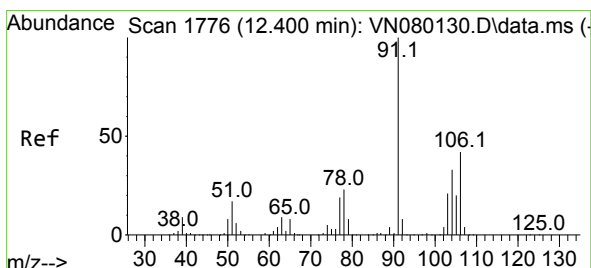
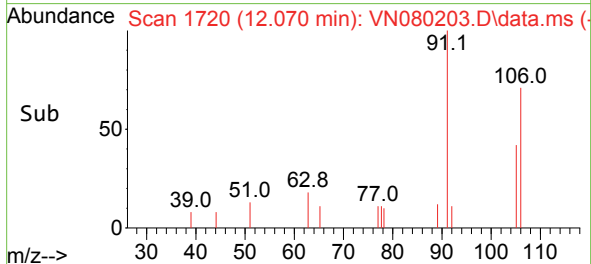
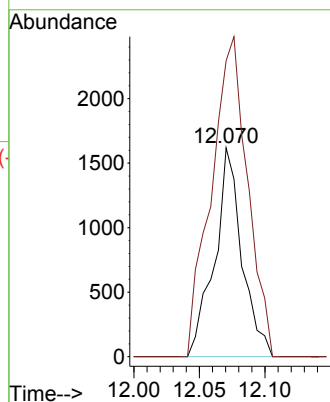
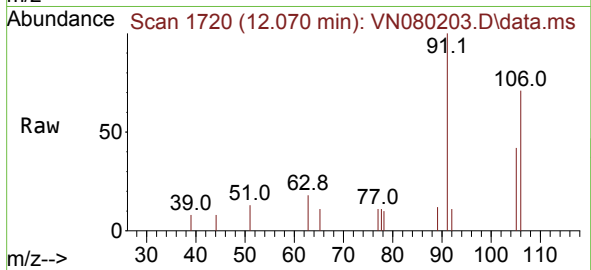




#68
m/p-Xylenes
Concen: 0.564 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

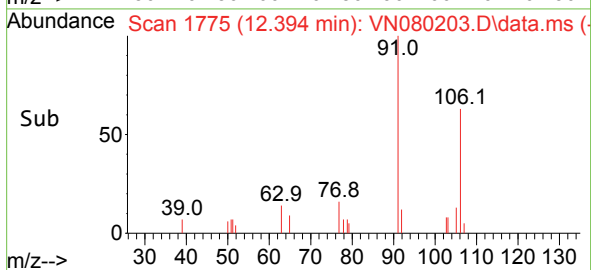
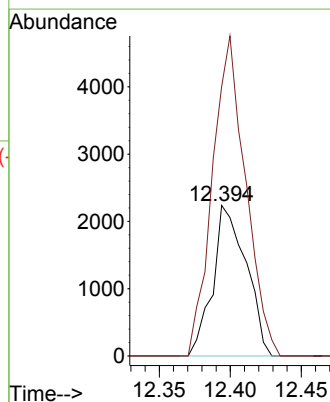
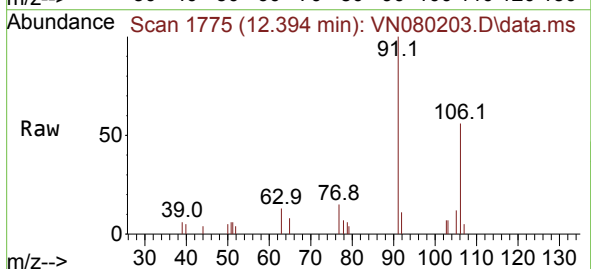
Instrument :
MSVOA_N
ClientSampleId :

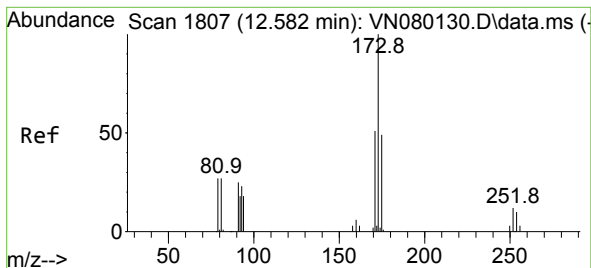
Tgt Ion:106 Resp: 2343
Ion Ratio Lower Upper
106 100
91 203.5 159.6 239.4



#69
o-Xylene
Concen: 0.933 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Tgt Ion:106 Resp: 3655
Ion Ratio Lower Upper
106 100
91 211.8 105.2 315.5





#71

Bromoform

Concen: 0.299 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.264 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

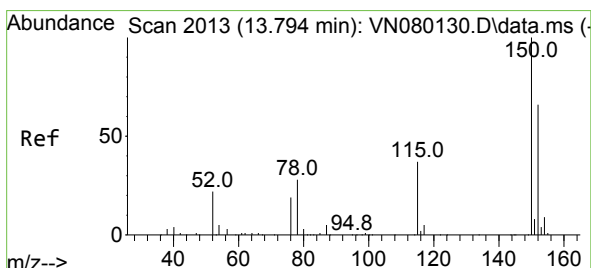
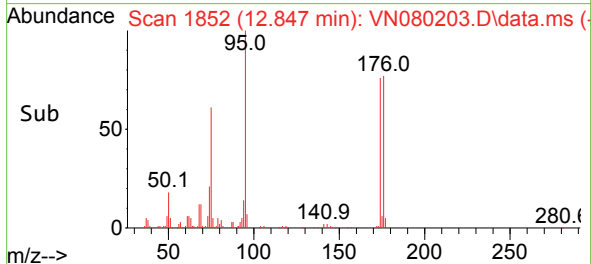
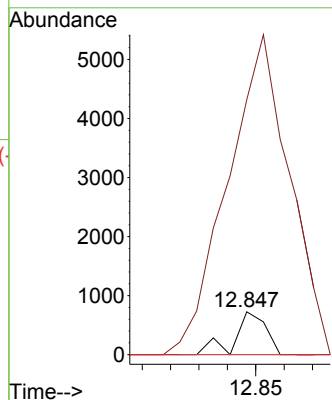
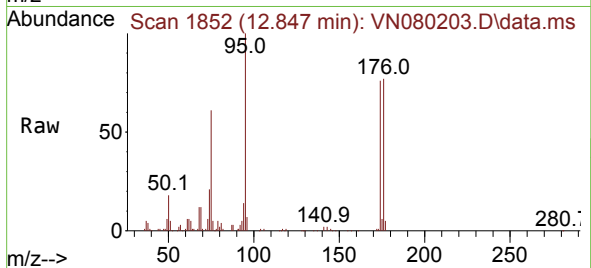
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 552

Ion	Ratio	Lower	Upper
173	100		
175	1247.8	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

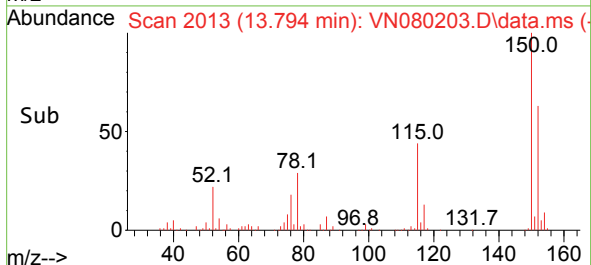
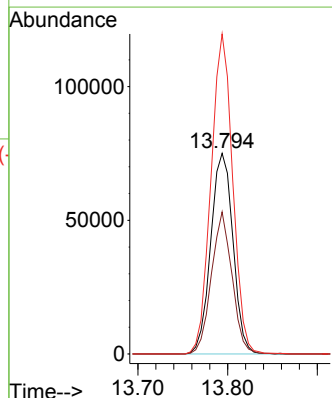
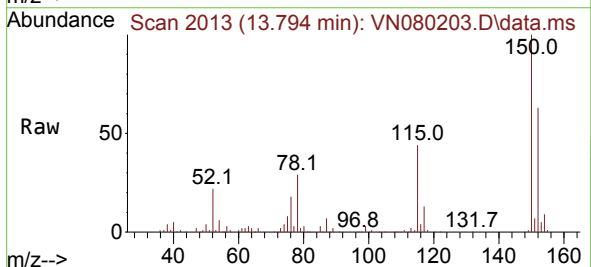
Delta R.T. -0.000 min

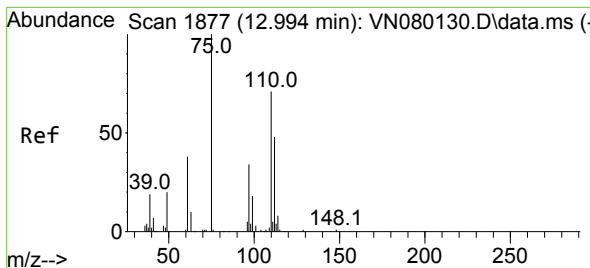
Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

Tgt Ion:152 Resp: 129176

Ion	Ratio	Lower	Upper
152	100		
115	65.6	32.3	96.8
150	155.4	0.0	355.8





#76

1,2,3-Trichloropropane

Concen: 25.611 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

Instrument :

MSVOA_N

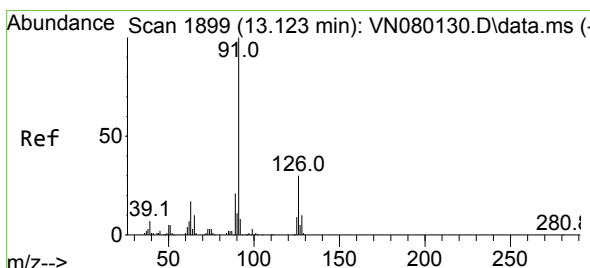
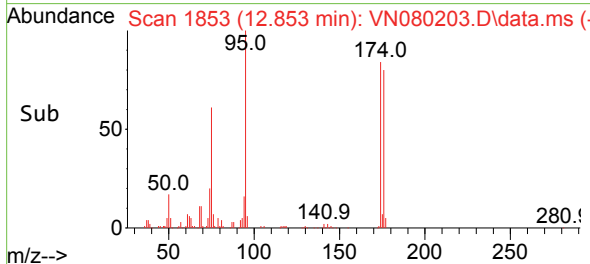
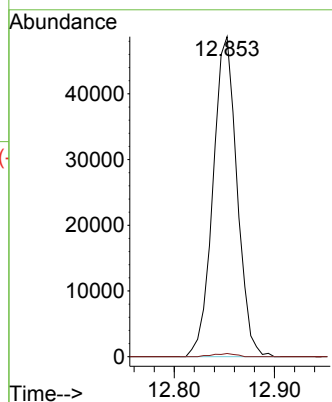
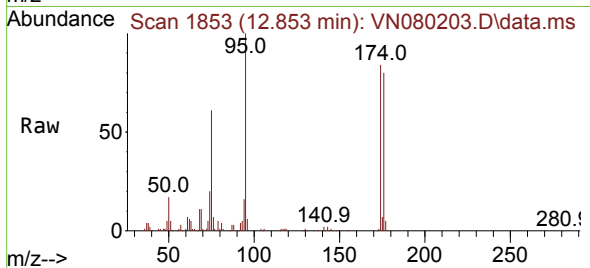
ClientSampleId :

Tgt Ion: 75 Resp: 81061

Ion Ratio Lower Upper

75 100

77 0.9 84.5 253.5#



#79

2-Chlorotoluene

Concen: 0.339 ug/l

RT: 13.100 min Scan# 1895

Delta R.T. -0.024 min

Lab File: VN080203.D

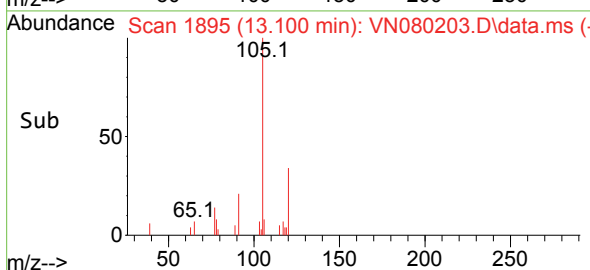
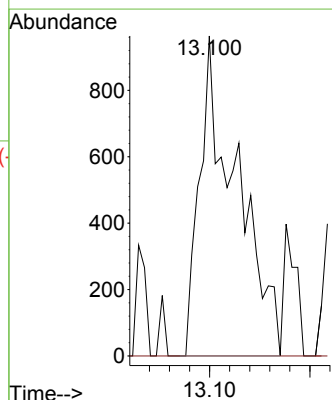
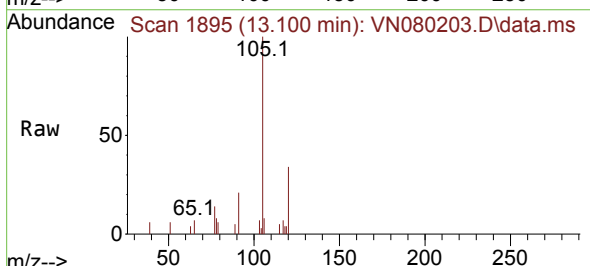
Acq: 20 Nov 2023 13:25

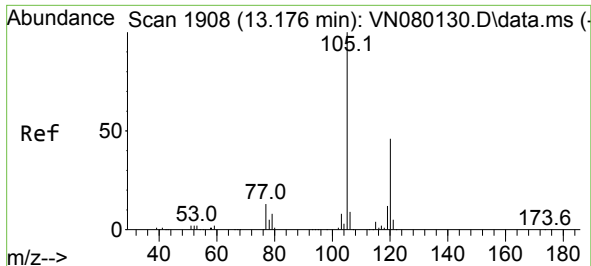
Tgt Ion: 91 Resp: 2471

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#

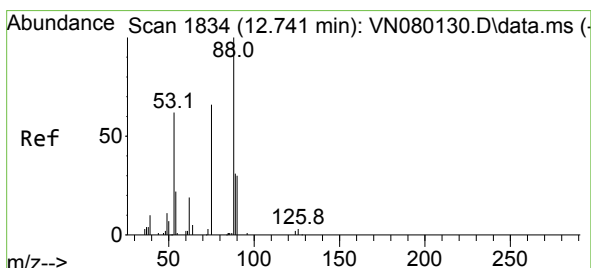
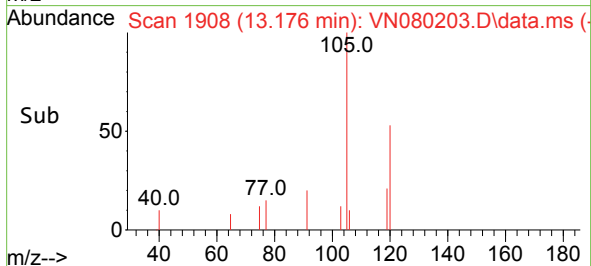
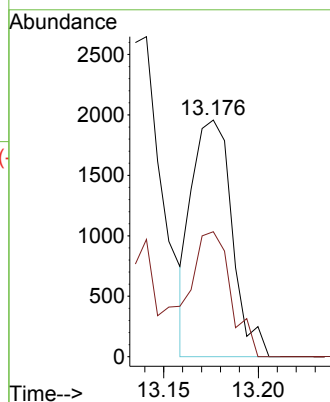
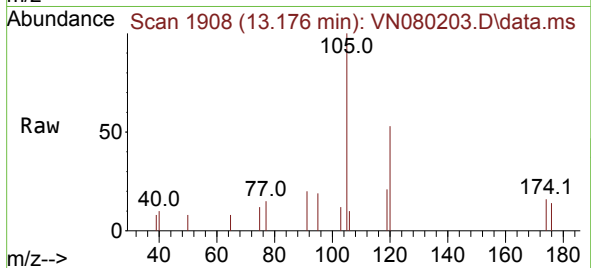




#80
1,3,5-Trimethylbenzene
Concen: 0.330 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

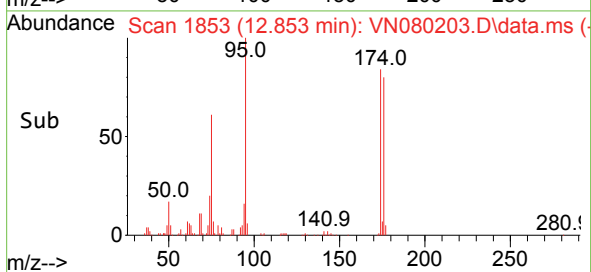
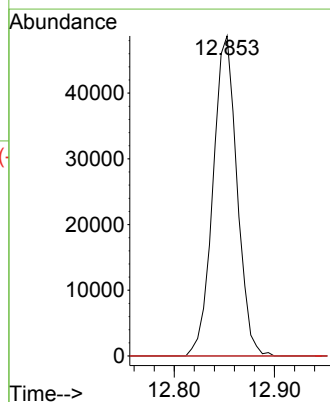
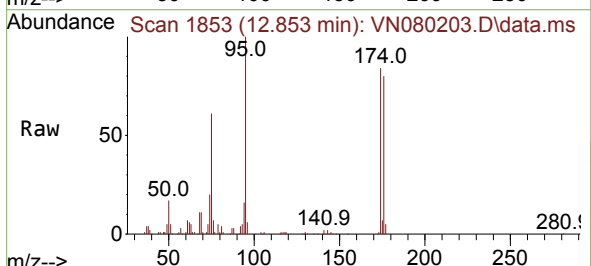
Instrument :
MSVOA_N
ClientSampleId :

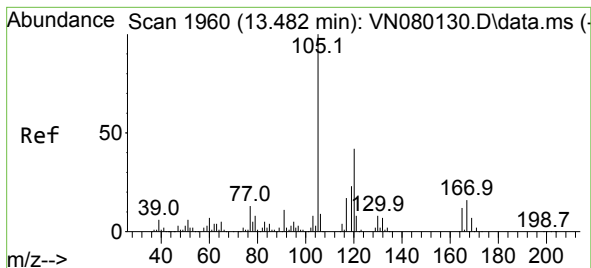
Tgt Ion:105 Resp: 2883
Ion Ratio Lower Upper
105 100
120 54.3 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 86.530 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

Tgt Ion: 75 Resp: 81061
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.317 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN080203.D

Acq: 20 Nov 2023 13:25

Instrument :

MSVOA_N

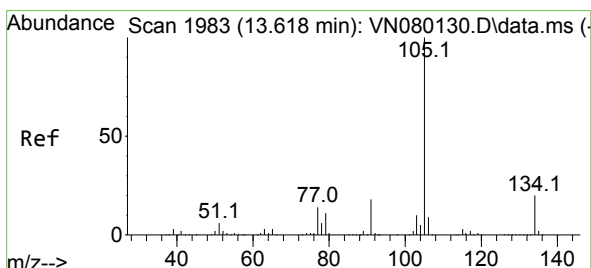
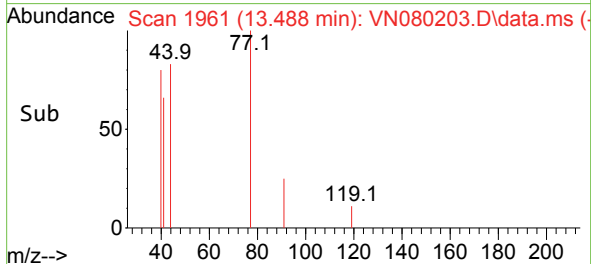
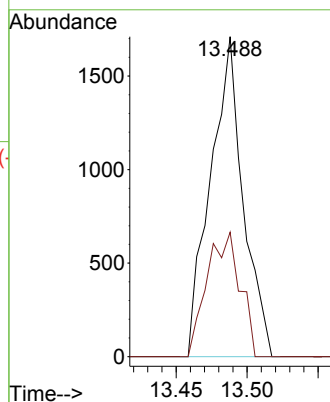
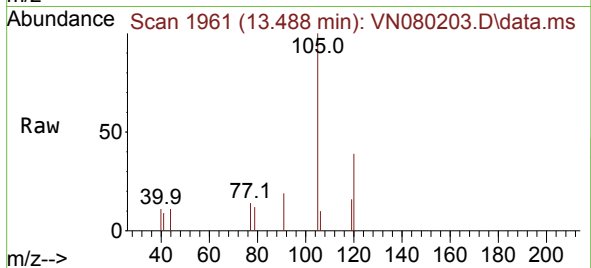
ClientSampleId :

Tgt Ion:105 Resp: 2728

Ion Ratio Lower Upper

105 100

120 39.6 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.308 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.130 min

Lab File: VN080203.D

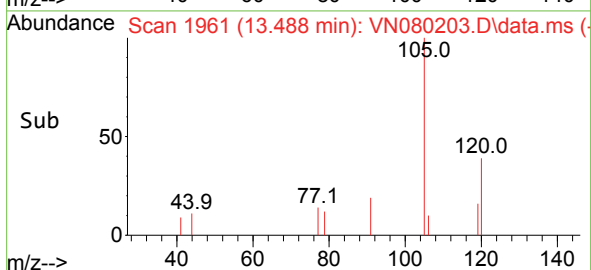
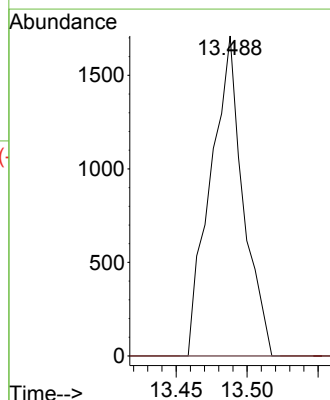
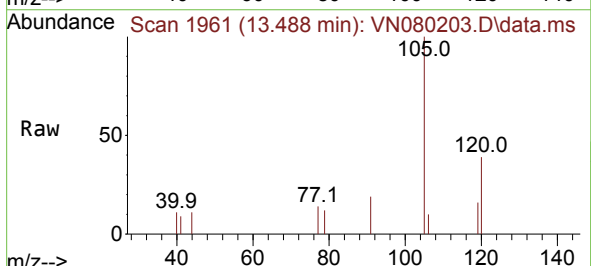
Acq: 20 Nov 2023 13:25

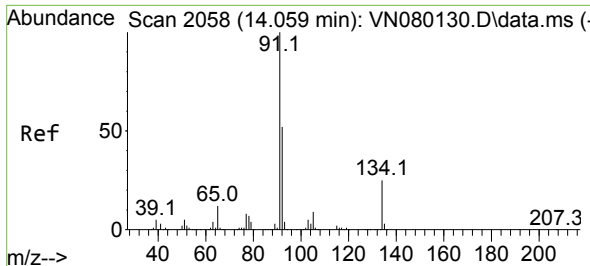
Tgt Ion:105 Resp: 2728

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#

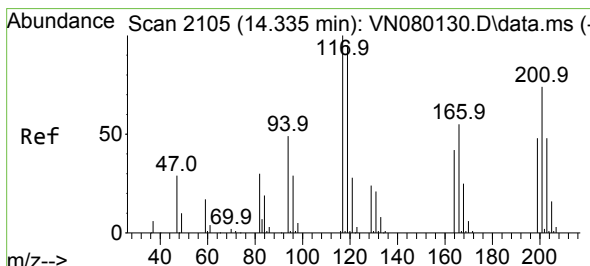
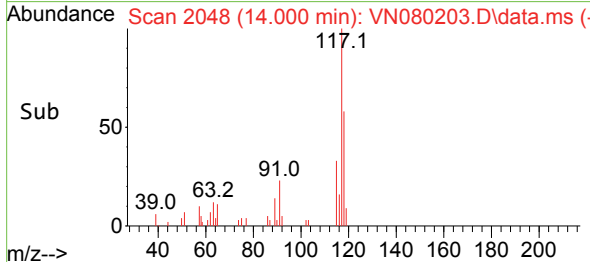
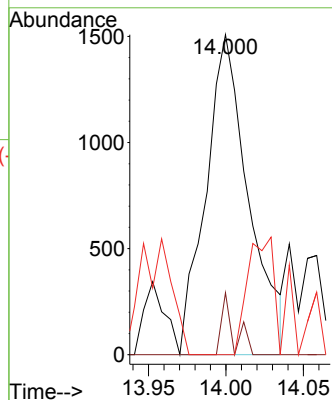
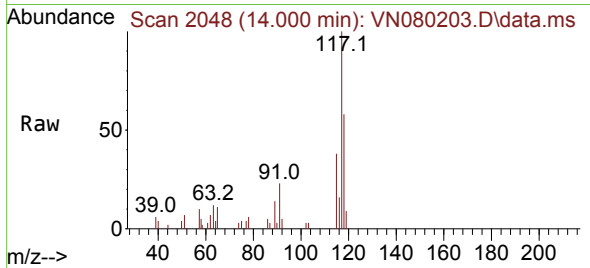




#89
n-Butylbenzene
Concen: 0.437 ug/l
RT: 14.000 min Scan# 2058
Delta R.T. -0.059 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

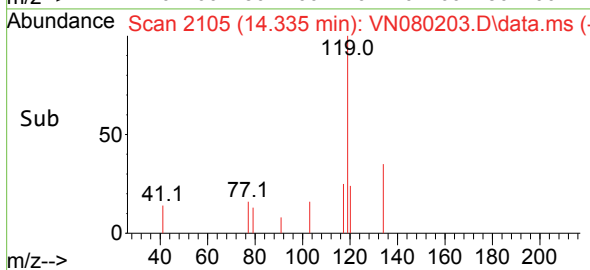
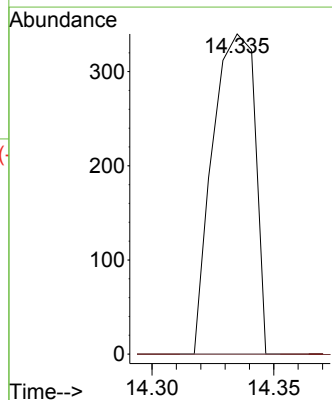
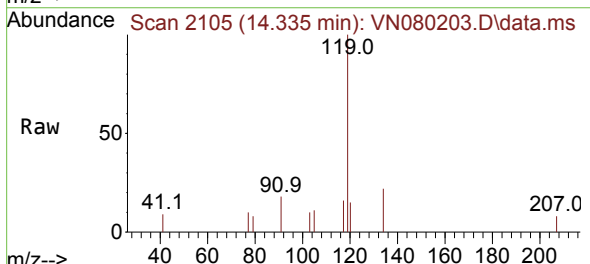
Instrument :
MSVOA_N
ClientSampleId :

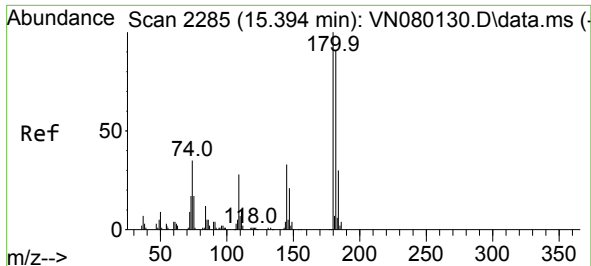
Tgt Ion: 91 Resp: 2897
Ion Ratio Lower Upper
91 100
92 5.5 26.4 79.0#
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 0.266 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

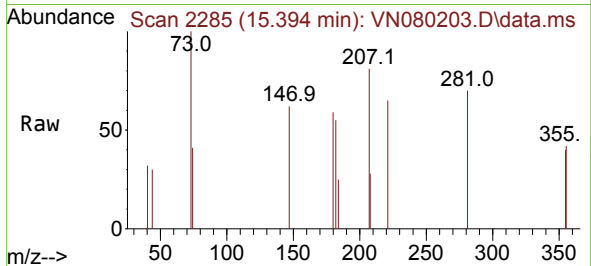
Tgt Ion: 117 Resp: 410
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#



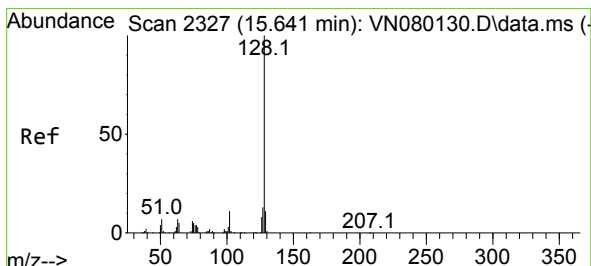
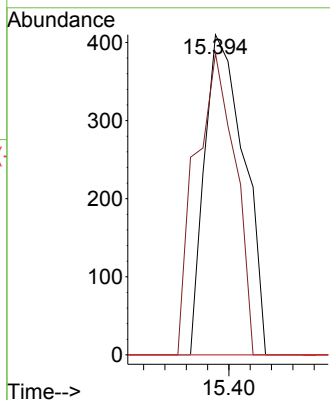
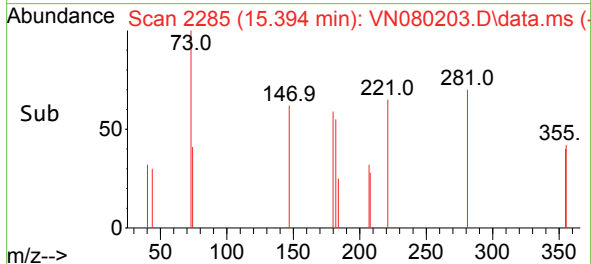


#93
1,2,4-Trichlorobenzene
Concen: 0.208 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25

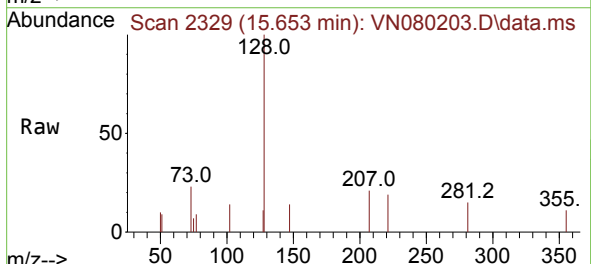
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 529
Ion Ratio Lower Upper
180 100
182 94.3 46.1 138.2
145 0.0 16.6 49.8#



#95
Naphthalene
Concen: 0.775 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.012 min
Lab File: VN080203.D
Acq: 20 Nov 2023 13:25



Tgt Ion:128 Resp: 5706
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 1.3 8.7 13.1#

