

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080221.D
 Acq On : 20 Nov 2023 20:32
 Operator : JC\MD
 Sample : 05489-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:11:56 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)

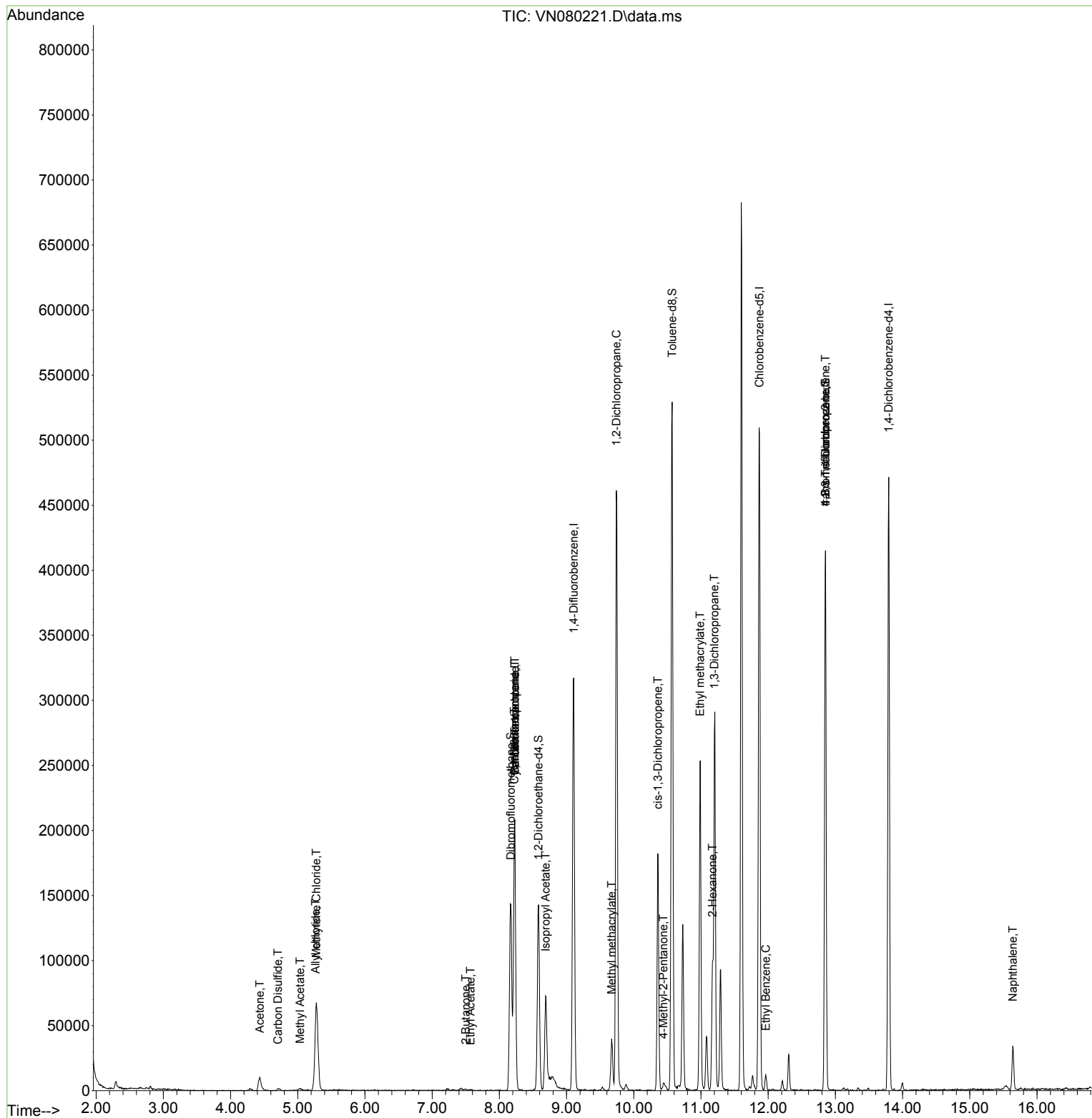
Internal Standards						
1) Pentafluorobenzene	8.230	168	140367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	263680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	293132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135812	58.598	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.200%
35) Dibromofluoromethane	8.171	113	101907	52.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.760%
50) Toluene-d8	10.571	98	361205	51.501	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.853	95	138808	52.398	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.800%
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	84	Below Cal	#	43
14) Allyl chloride	5.265	41	1068	0.572	ug/l #	19
16) Acetone	4.436	43	18751	24.087	ug/l	91
17) Carbon Disulfide	4.706	76	1984	0.448	ug/l #	75
18) Methyl Acetate	5.036	43	3074	1.229	ug/l #	62
20) Methylene Chloride	5.277	84	57197	35.086	ug/l	96
25) 2-Butanone	7.500	43	1869	2.021	ug/l	97
31) Cyclohexane	8.224	56	3482	1.381	ug/l #	30
36) 1,1-Dichloropropene	8.230	75	11635	4.130	ug/l #	50
37) Ethyl Acetate	7.571	43	1635	0.837	ug/l #	63
38) Carbon Tetrachloride	8.230	117	16206	4.534	ug/l #	16
43) Isopropyl Acetate	8.688	43	80584	21.194	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	623	0.335	ug/l #	45
48) Methyl methacrylate	9.671	41	2333	1.191	ug/l #	28
51) 4-Methyl-2-Pentanone	10.441	43	3813	1.937	ug/l	86
54) cis-1,3-Dichloropropene	10.359	75	33234	10.220	ug/l #	68
56) Ethyl methacrylate	10.988	69	1786	0.914	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3105	0.930	ug/l #	42
59) 2-Hexanone	11.171	43	73712	46.600	ug/l #	19
67) Ethyl Benzene	11.965	91	4807	0.407	ug/l	90
76) 1,2,3-Trichloropropane	12.853	75	82615	27.209	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82615	91.929	ug/l #	15
95) Naphthalene	15.641	128	30872	4.373	ug/l	98

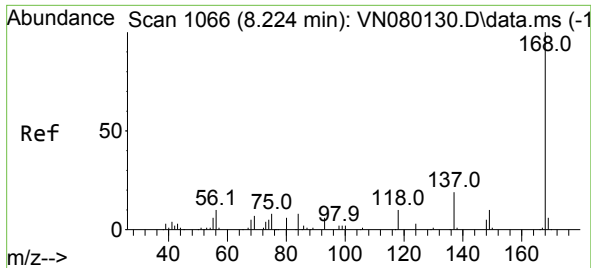
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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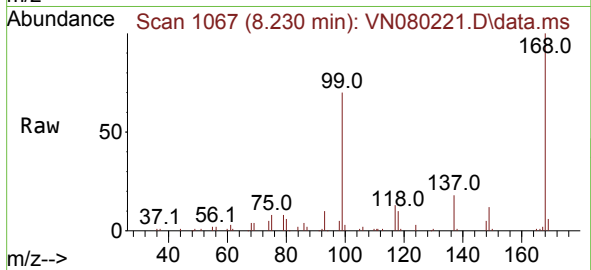
Quant Time: Nov 21 01:11:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
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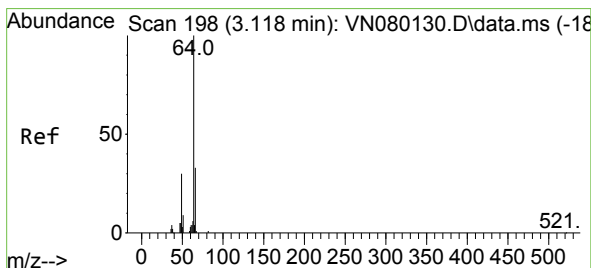
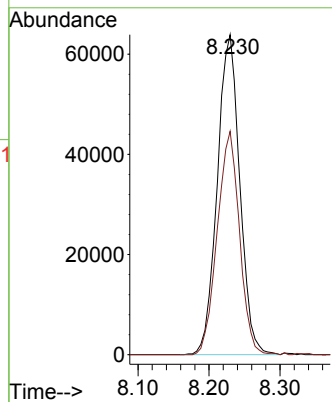
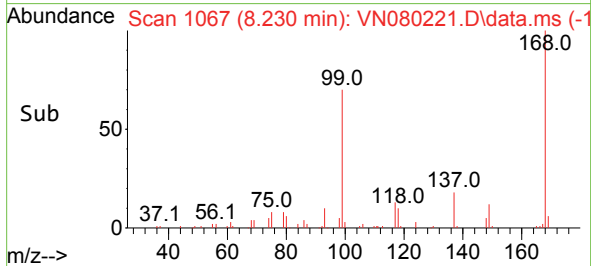


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

Instrument :
MSVOA_N
ClientSampleId :

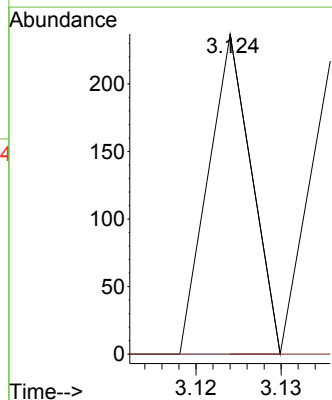
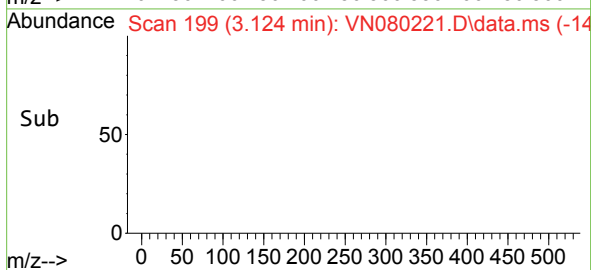
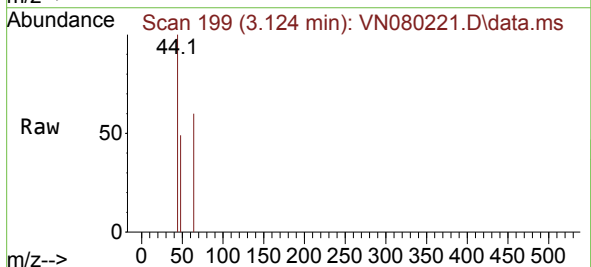


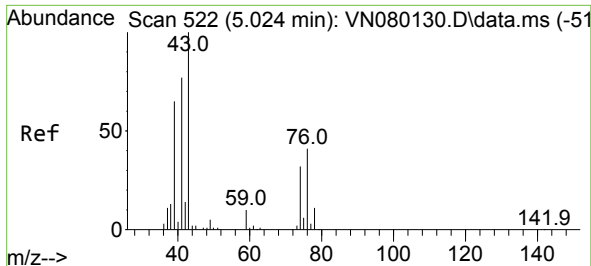
Tgt Ion:168 Resp: 140367
Ion Ratio Lower Upper
168 100
99 69.8 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

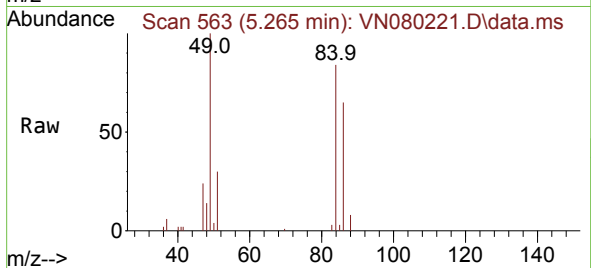
Tgt Ion: 64 Resp: 84
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



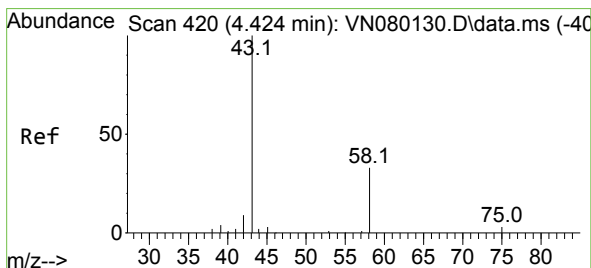
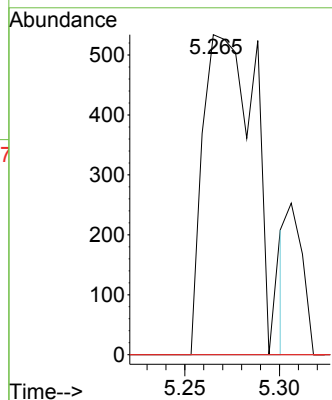
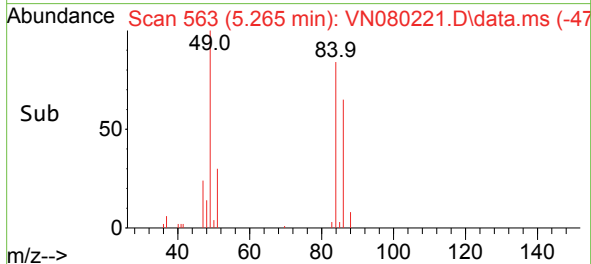


#14
 Allyl chloride
 Concen: 0.572 ug/l
 RT: 5.265 min Scan# 501
 Delta R.T. 0.241 min
 Lab File: VN080221.D
 Acq: 20 Nov 2023 20:32

Instrument :
 MSVOA_N
 ClientSampleId :

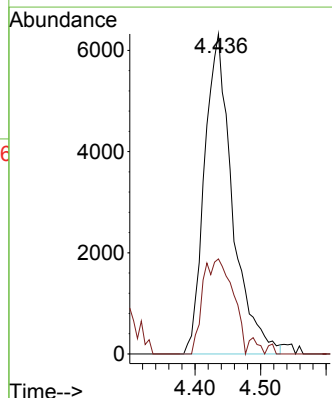
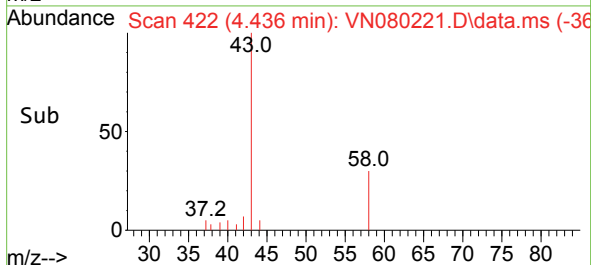
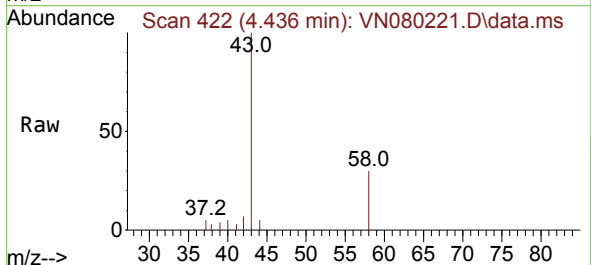


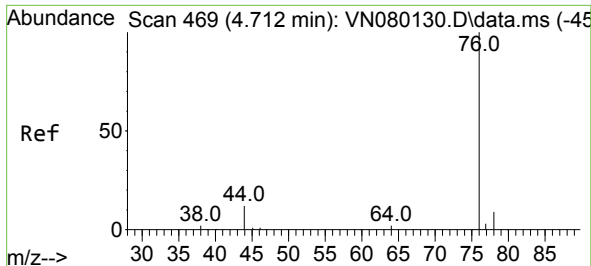
Tgt Ion: 41 Resp: 1068
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 24.087 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.012 min
 Lab File: VN080221.D
 Acq: 20 Nov 2023 20:32

Tgt Ion: 43 Resp: 18751
 Ion Ratio Lower Upper
 43 100
 58 29.7 28.0 42.0

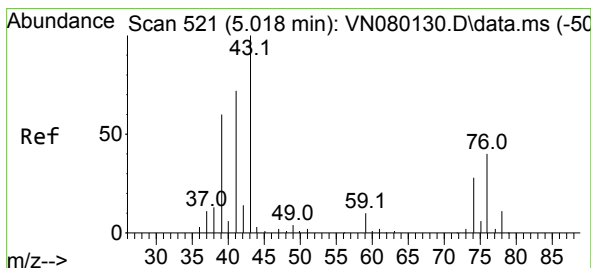
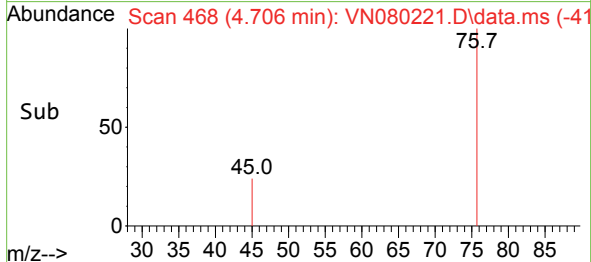
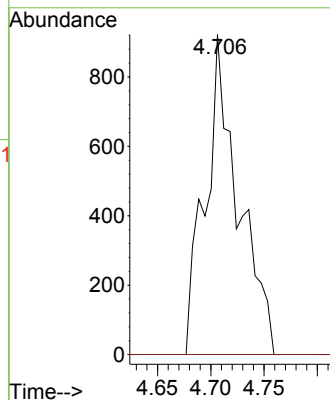
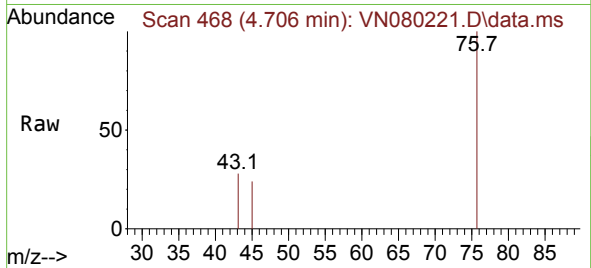




#17
Carbon Disulfide
Concen: 0.448 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

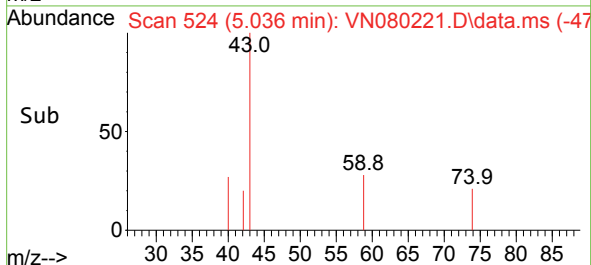
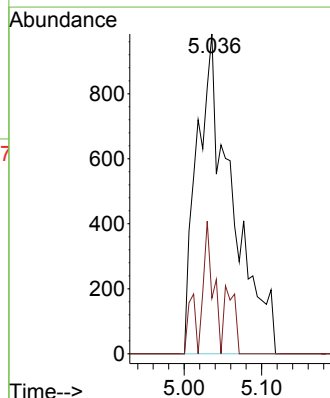
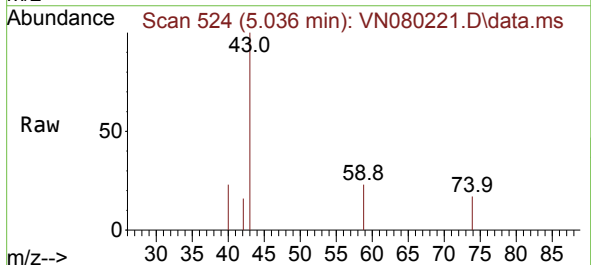
Instrument :
MSVOA_N
ClientSampleId :

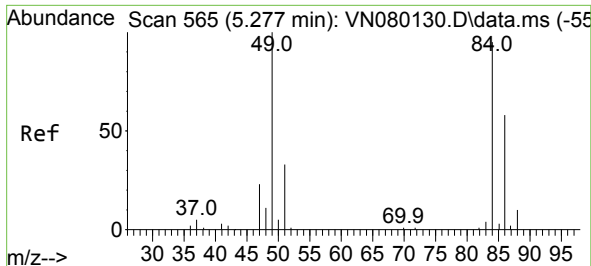
Tgt Ion: 76 Resp: 1984
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 1.229 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

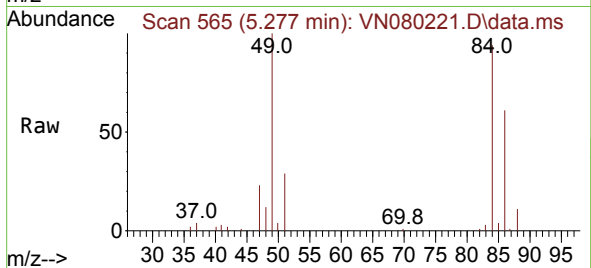
Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
74 11.5 26.2 39.4#



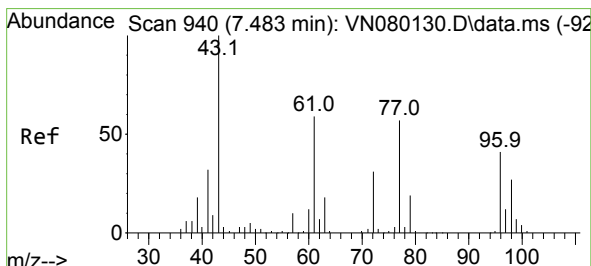
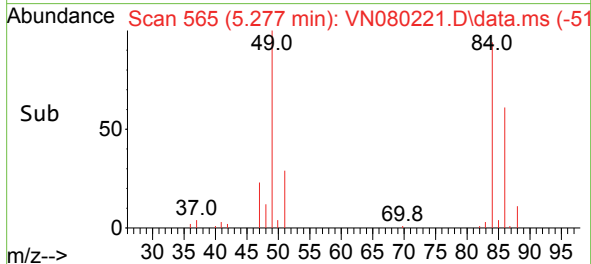
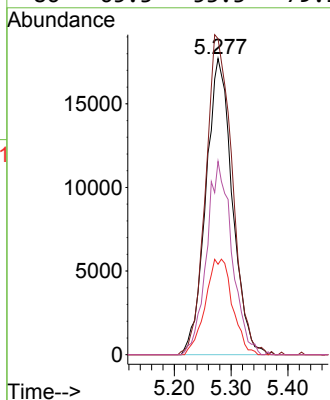


#20
Methylene Chloride
Concen: 35.086 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

Instrument :
MSVOA_N
ClientSampleId :

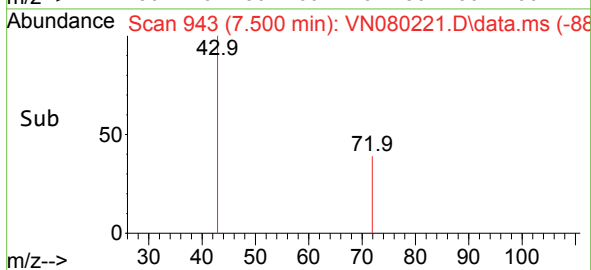
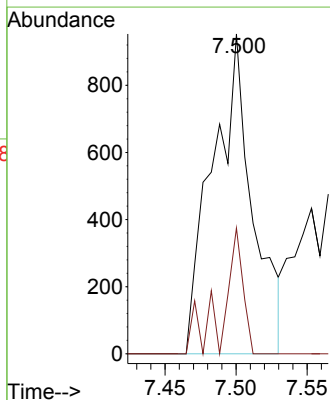
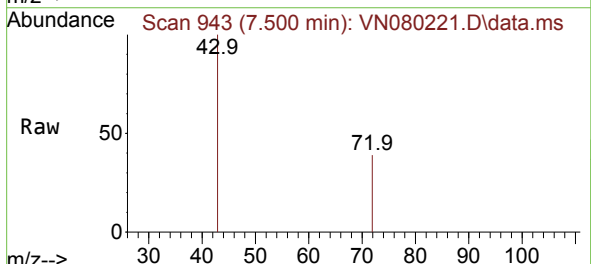


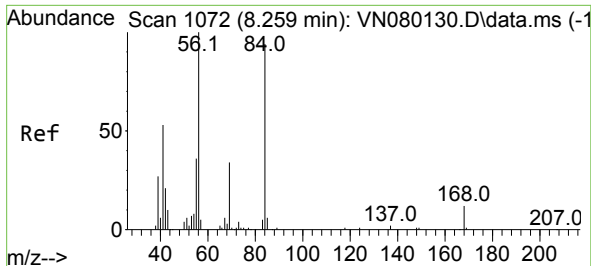
Tgt Ion: 84	Resp: 57197
Ion Ratio	Lower Upper
84 100	
49 106.7	79.7 119.5
51 30.5	25.2 37.8
86 65.3	53.3 79.9



#25
2-Butanone
Concen: 2.021 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

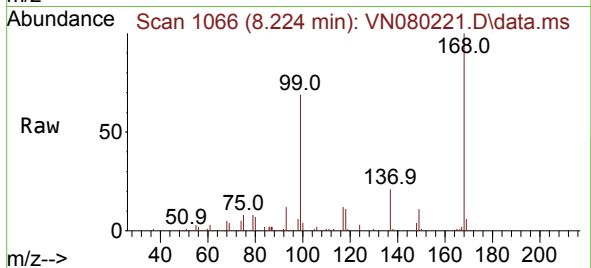
Tgt Ion: 43	Resp: 1869
Ion Ratio	Lower Upper
43 100	
72 39.3	30.2 45.2



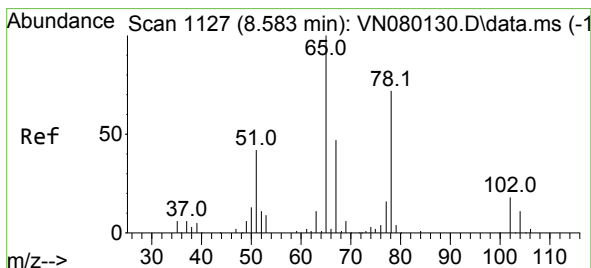
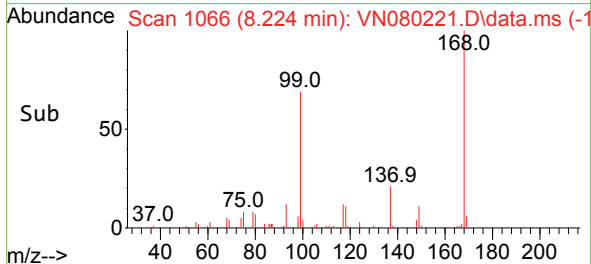
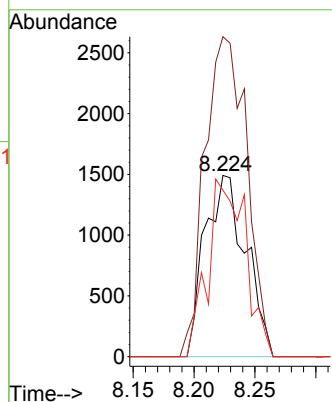


#31
Cyclohexane
Concen: 1.381 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

Instrument :
MSVOA_N
ClientSampleId :

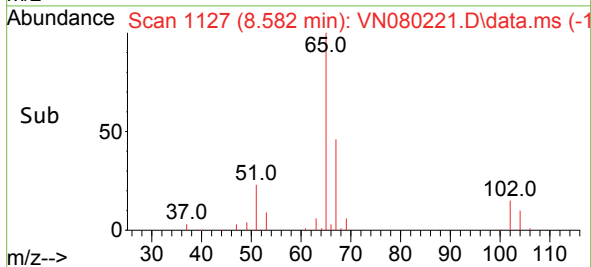
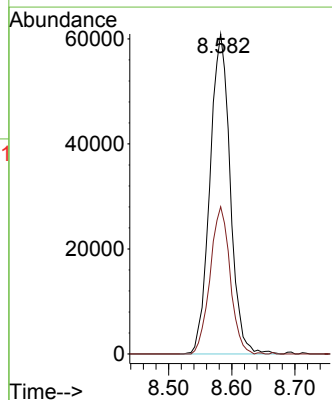
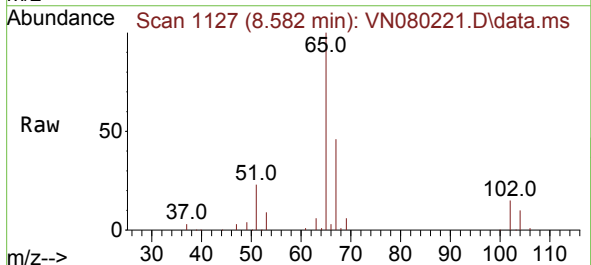


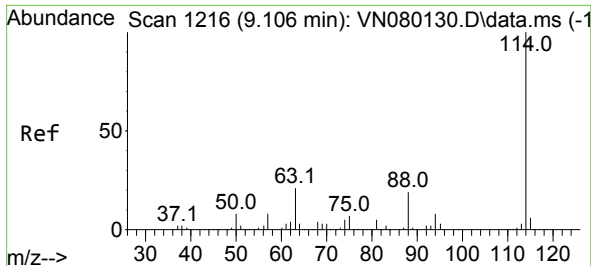
Tgt Ion: 56 Resp: 3482
Ion Ratio Lower Upper
56 100
69 176.6 26.8 40.2#
84 92.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 58.598 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

Tgt Ion: 65 Resp: 135812
Ion Ratio Lower Upper
65 100
67 45.4 0.0 106.6

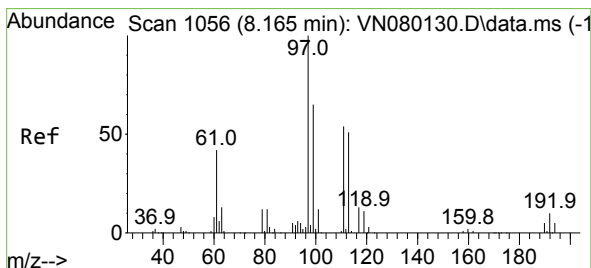
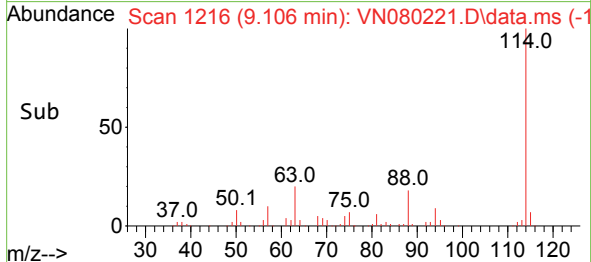
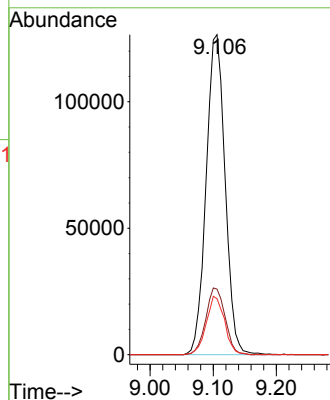
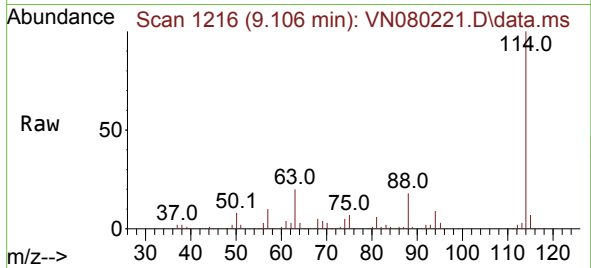




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

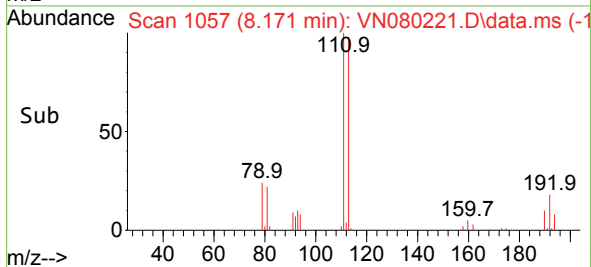
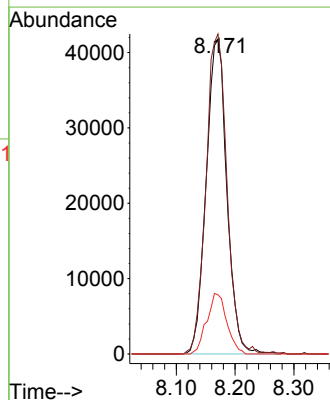
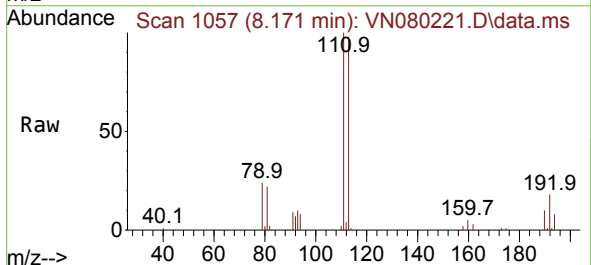
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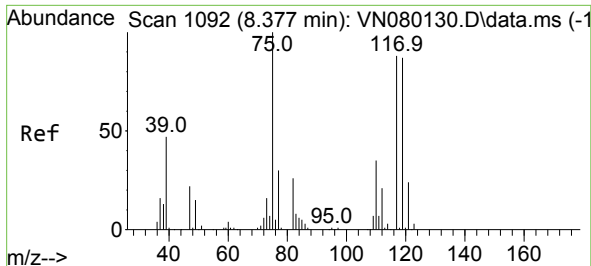
Tgt Ion:114 Resp: 263680
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.4
88 17.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.378 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

Tgt Ion:113 Resp: 101907
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 18.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.130 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

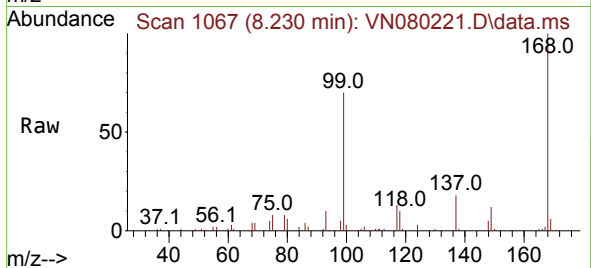
Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

Instrument :

MSVOA_N

ClientSampleId :



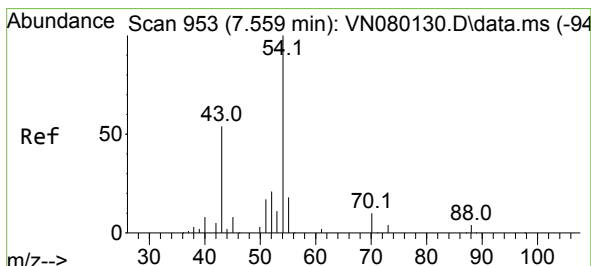
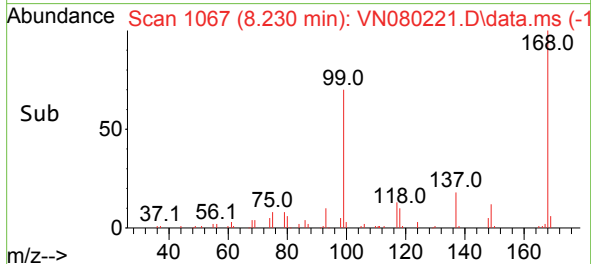
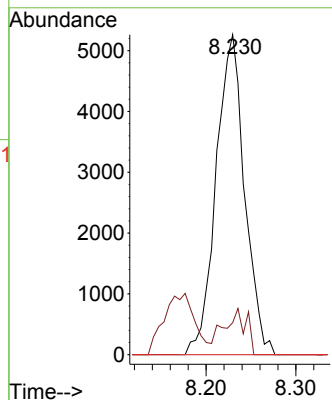
Tgt Ion: 75 Resp: 11635

Ion Ratio Lower Upper

75 100

110 11.2 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.837 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

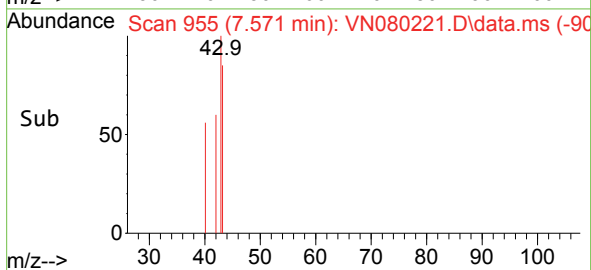
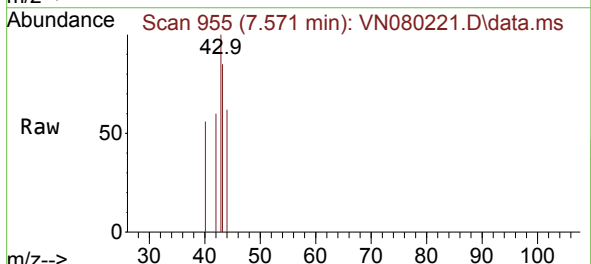
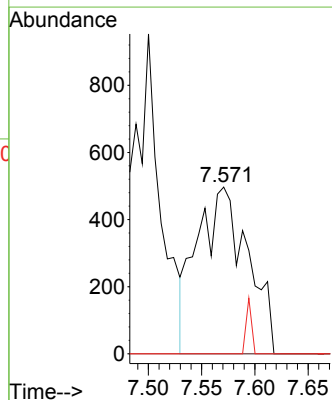
Tgt Ion: 43 Resp: 1635

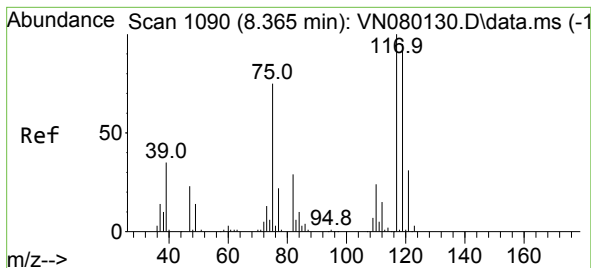
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.534 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

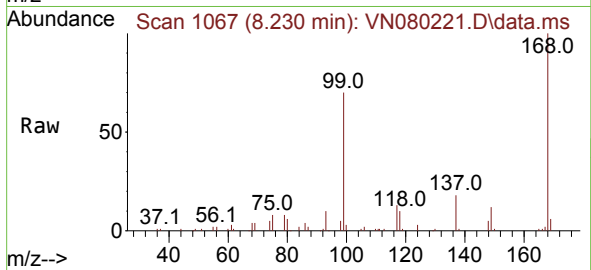
Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

Instrument :

MSVOA_N

ClientSampleId :



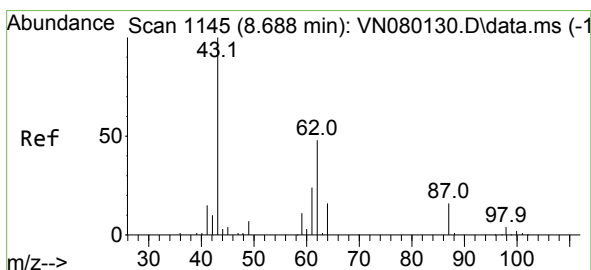
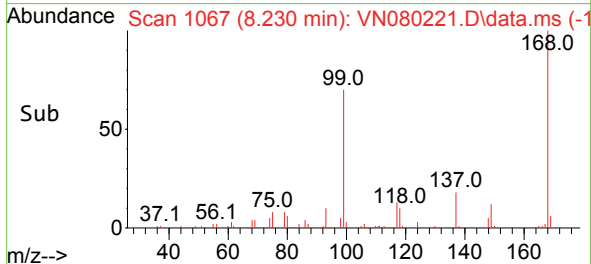
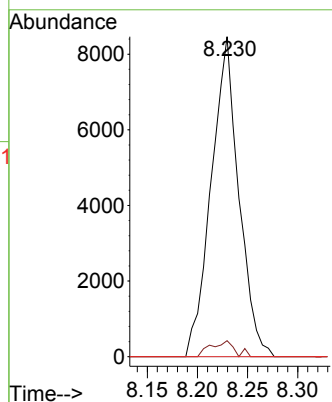
Tgt Ion:117 Resp: 16206

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 21.194 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

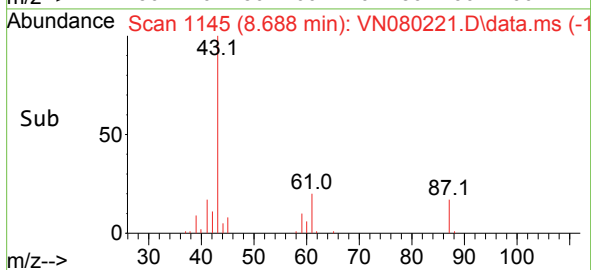
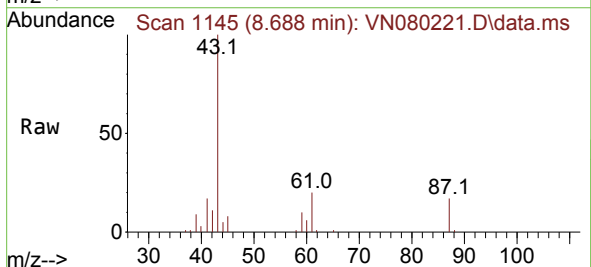
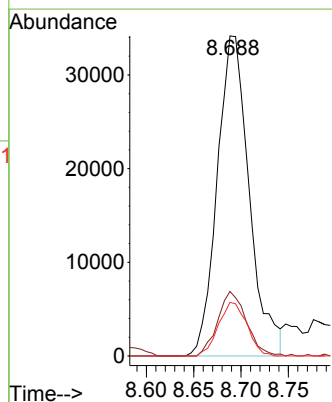
Tgt Ion: 43 Resp: 80584

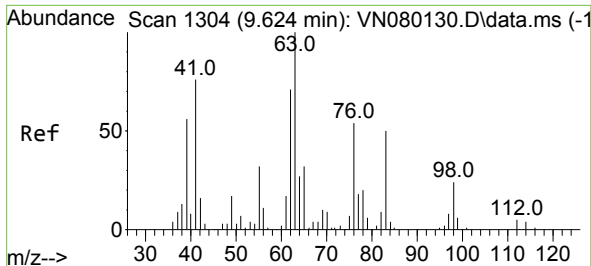
Ion Ratio Lower Upper

43 100

61 18.1 24.7 37.1#

87 14.9 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.335 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

Instrument :

MSVOA_N

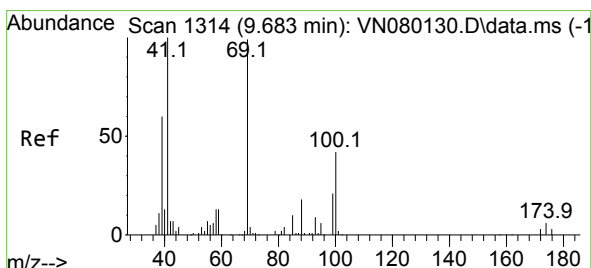
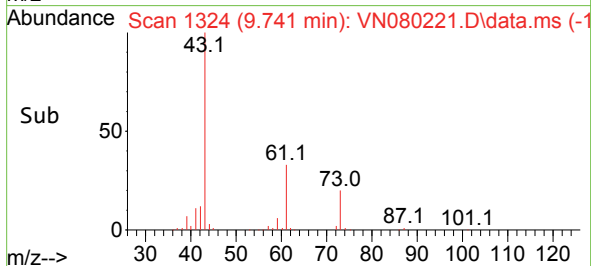
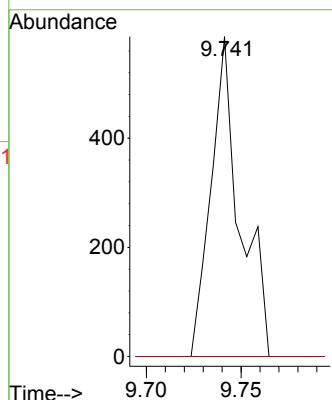
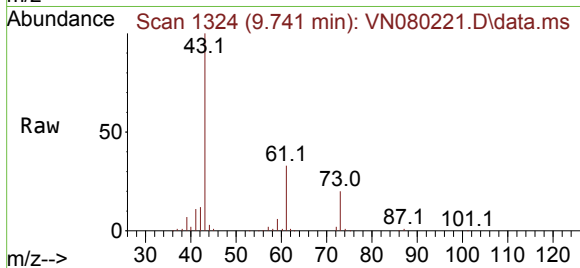
ClientSampleId :

Tgt Ion: 63 Resp: 623

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.191 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

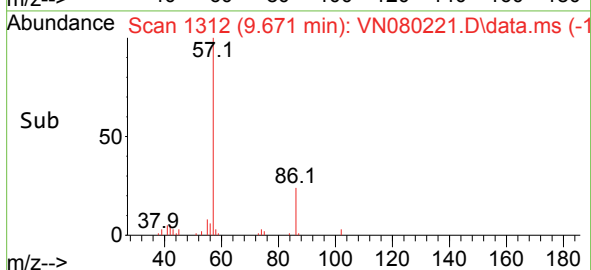
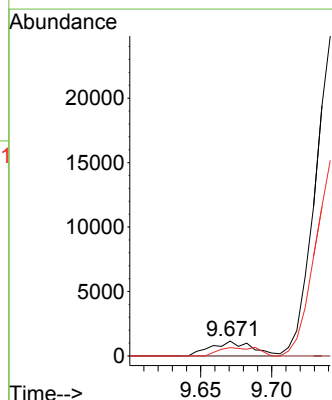
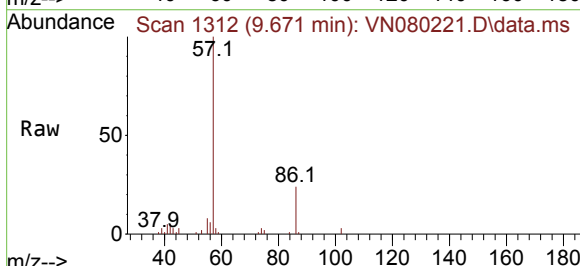
Tgt Ion: 41 Resp: 2333

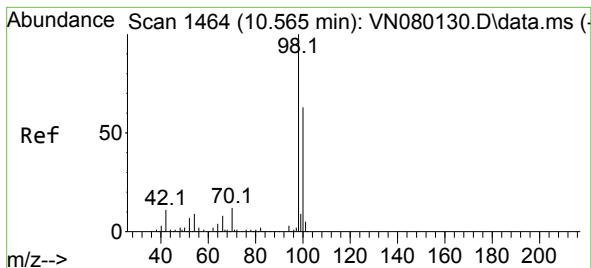
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 53.5 54.6 81.8#





#50

Toluene-d8

Concen: 51.501 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

Instrument :

MSVOA_N

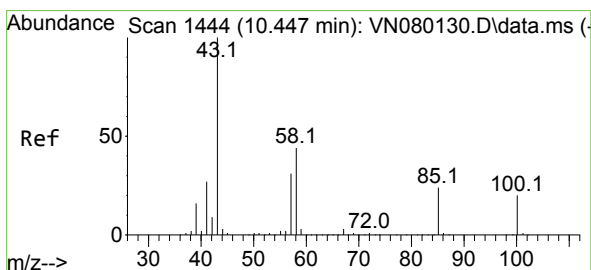
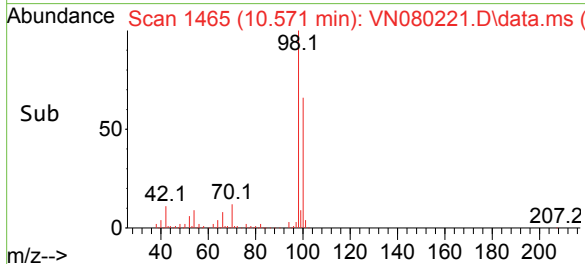
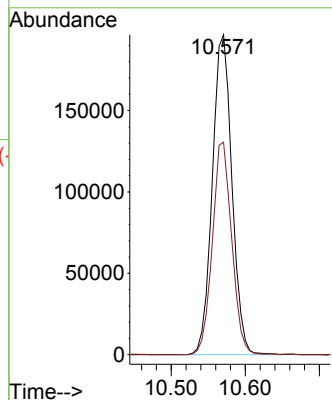
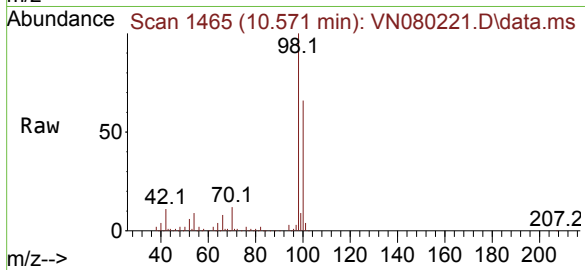
ClientSampleId :

Tgt Ion: 98 Resp: 361205

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.937 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN080221.D

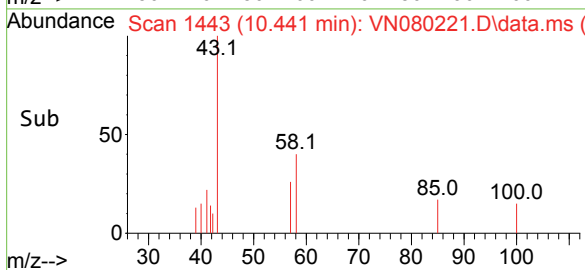
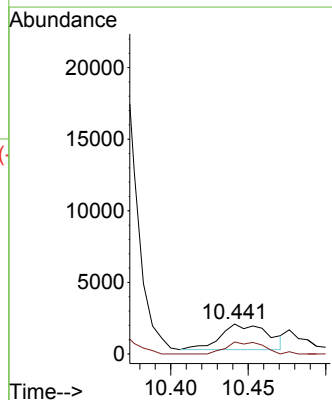
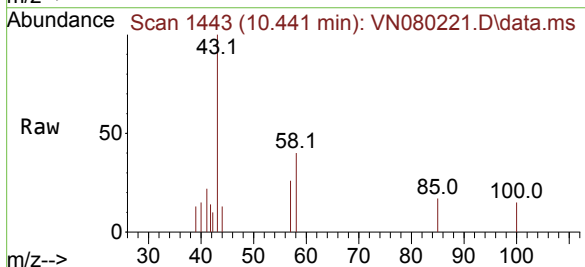
Acq: 20 Nov 2023 20:32

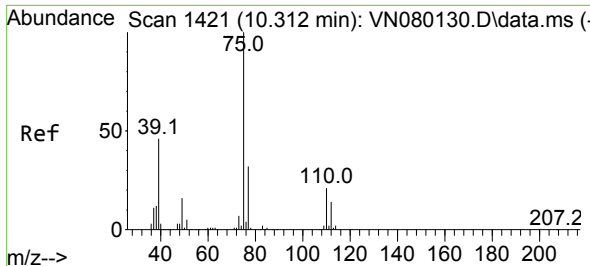
Tgt Ion: 43 Resp: 3813

Ion Ratio Lower Upper

43 100

58 36.8 36.6 54.8

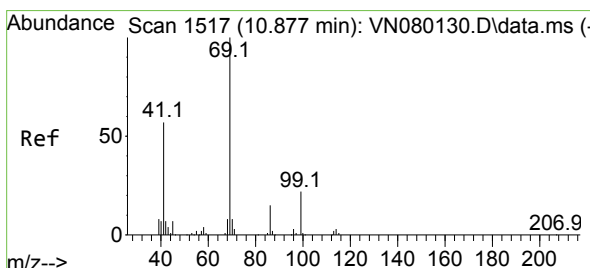
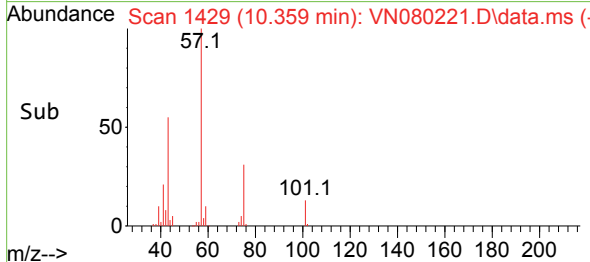
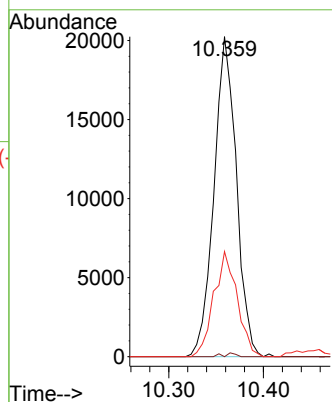
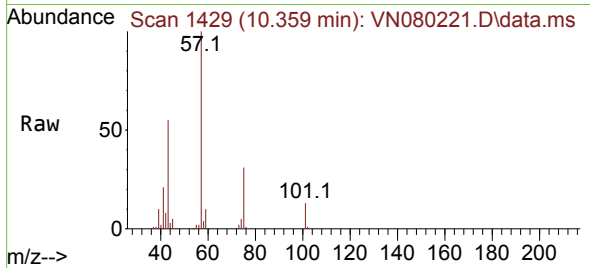




#54
 cis-1,3-Dichloropropene
 Concen: 10.220 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080221.D
 Acq: 20 Nov 2023 20:32

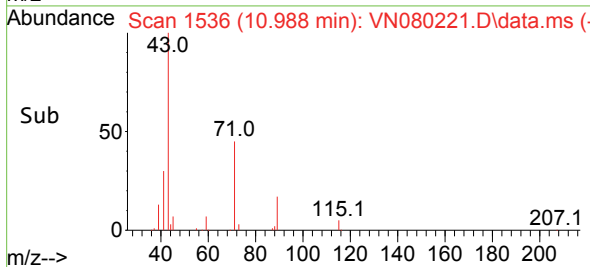
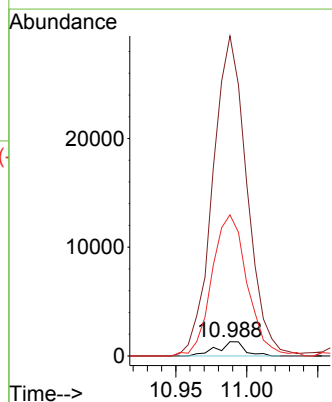
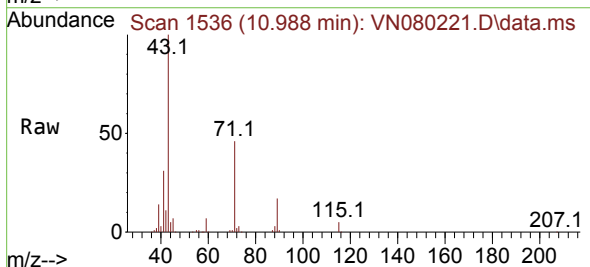
Instrument :
 MSVOA_N
 ClientSampleId :

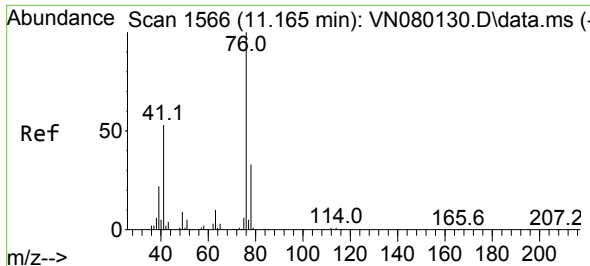
Tgt Ion: 75 Resp: 33234
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 32.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.914 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080221.D
 Acq: 20 Nov 2023 20:32

Tgt Ion: 69 Resp: 1786
 Ion Ratio Lower Upper
 69 100
 41 2755.2 39.6 59.4#
 39 1260.1 28.6 43.0#

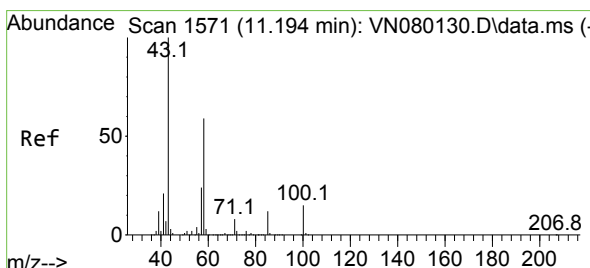
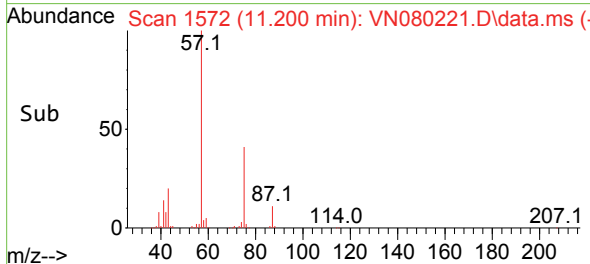
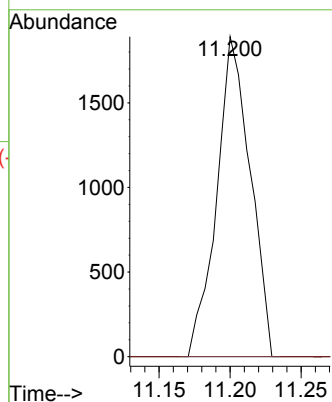
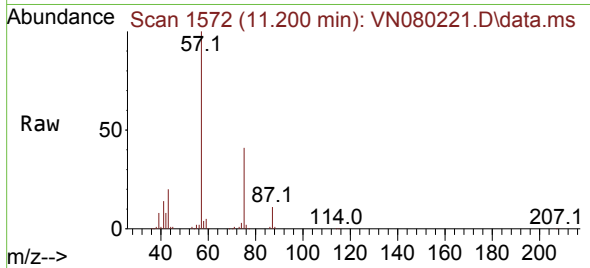




#57
1,3-Dichloropropane
Concen: 0.930 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

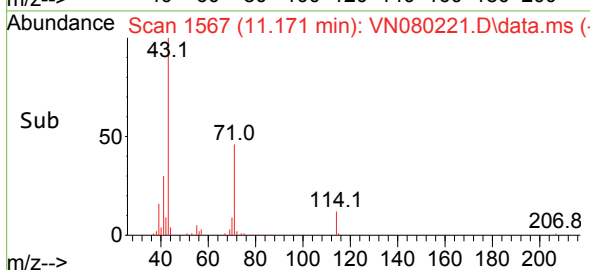
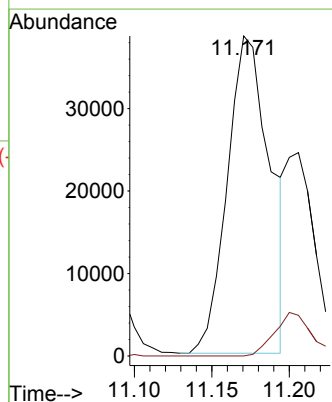
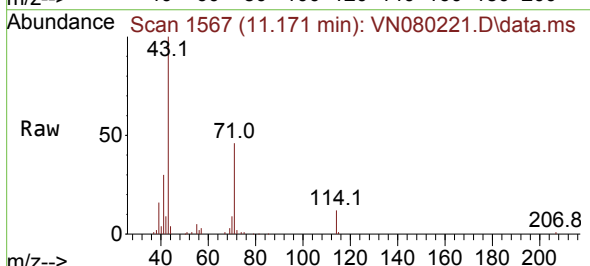
Instrument :
MSVOA_N
ClientSampleId :

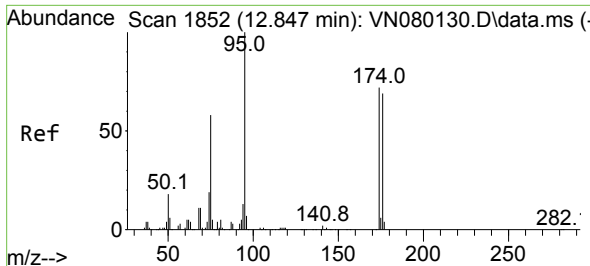
Tgt Ion: 76 Resp: 3105
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 46.600 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

Tgt Ion: 43 Resp: 73712
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

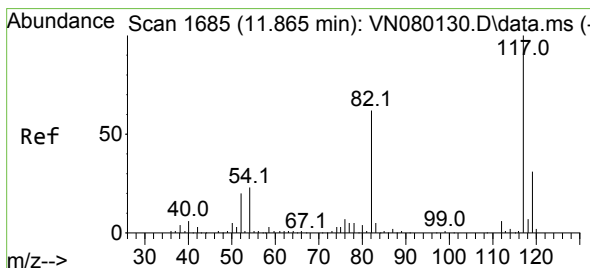
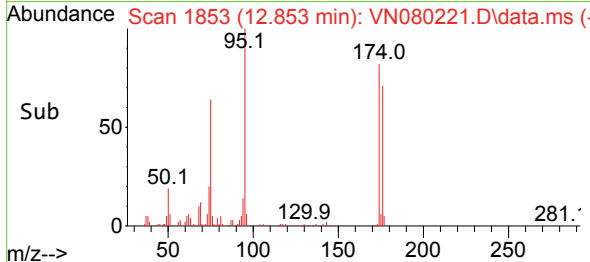
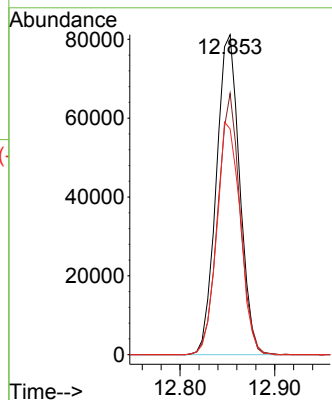
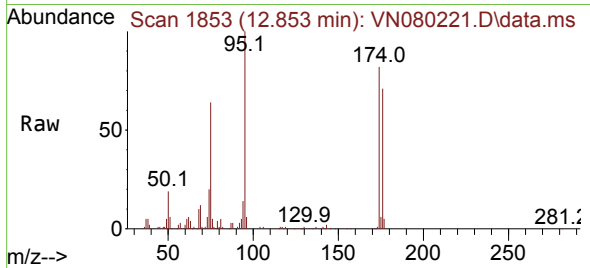




#62
 4-Bromofluorobenzene
 Concen: 52.398 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN080221.D
 Acq: 20 Nov 2023 20:32

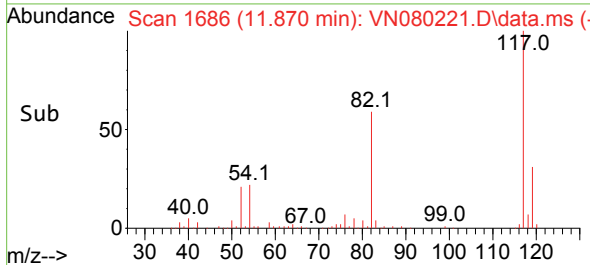
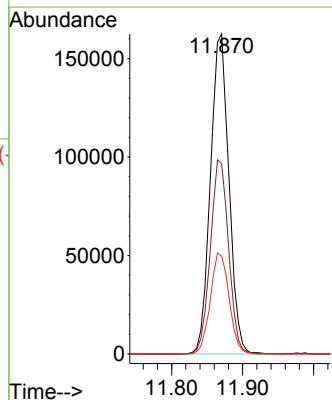
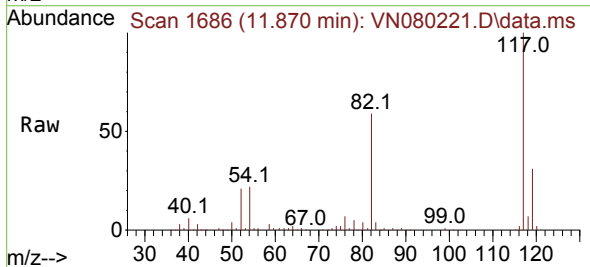
Instrument :
 MSVOA_N
 ClientSampleId :

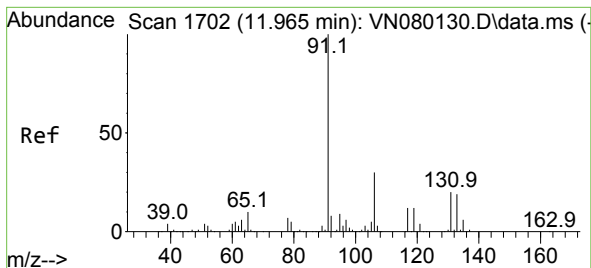
Tgt Ion: 95 Resp: 138808
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 143.8
 176 73.6 0.0 135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN080221.D
 Acq: 20 Nov 2023 20:32

Tgt Ion: 117 Resp: 293132
 Ion Ratio Lower Upper
 117 100
 82 59.4 44.0 66.0
 119 30.6 25.6 38.4





#67

Ethyl Benzene

Concen: 0.407 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

Instrument :

MSVOA_N

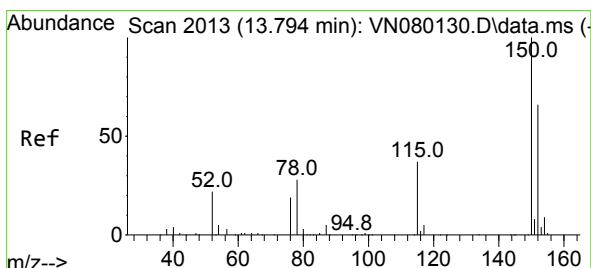
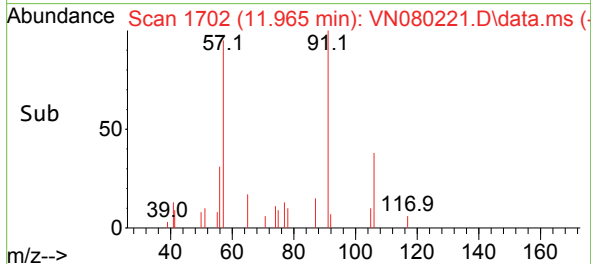
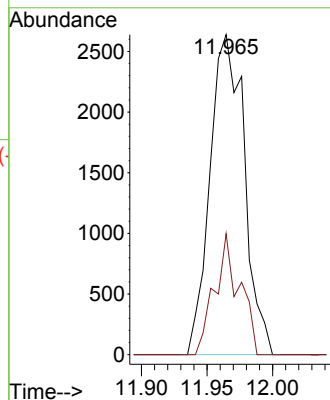
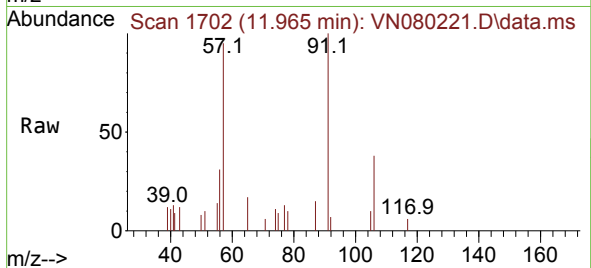
ClientSampleId :

Tgt Ion: 91 Resp: 4807

Ion Ratio Lower Upper

91 100

106 37.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080221.D

Acq: 20 Nov 2023 20:32

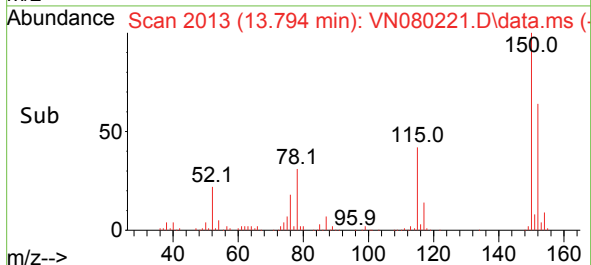
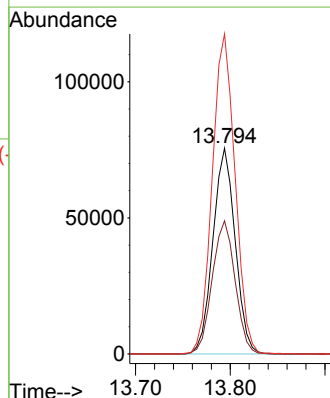
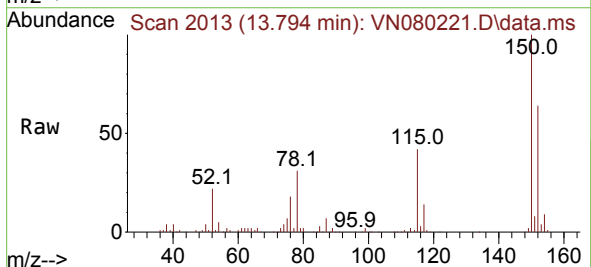
Tgt Ion: 152 Resp: 123921

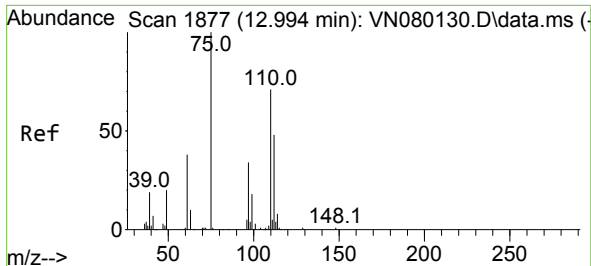
Ion Ratio Lower Upper

152 100

115 66.4 32.3 96.8

150 158.8 0.0 355.8

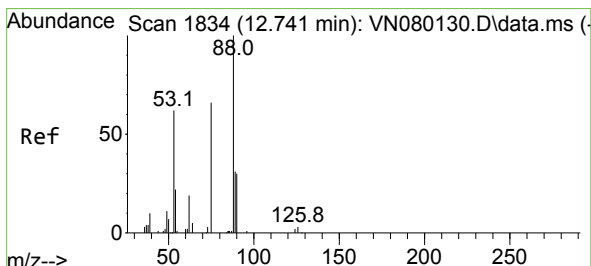
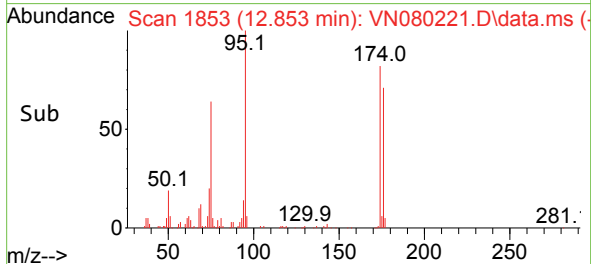
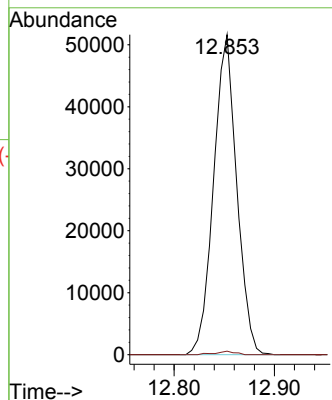
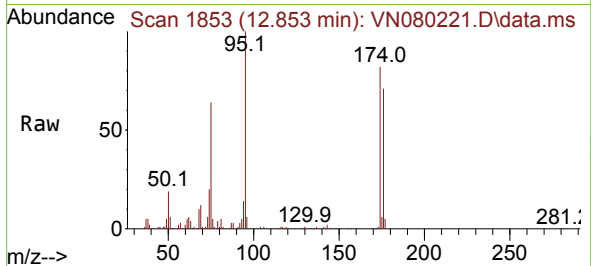




#76
1,2,3-Trichloropropane
Concen: 27.209 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

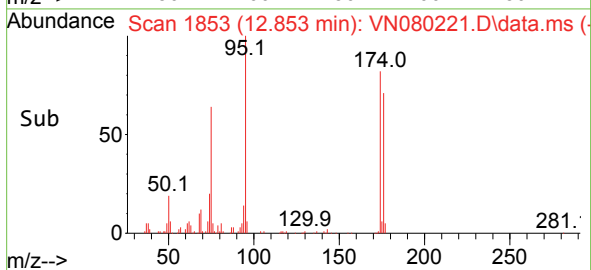
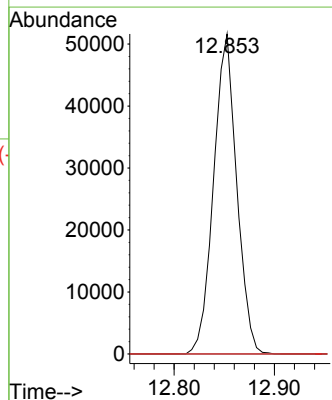
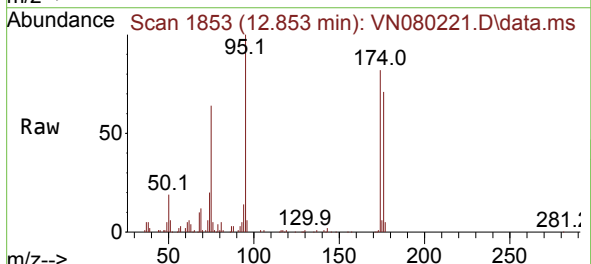
Instrument :
MSVOA_N
ClientSampleId :

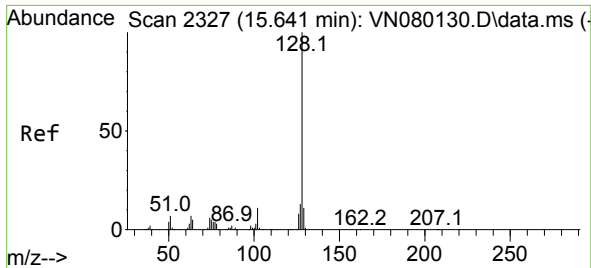
Tgt Ion: 75 Resp: 82615
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.929 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

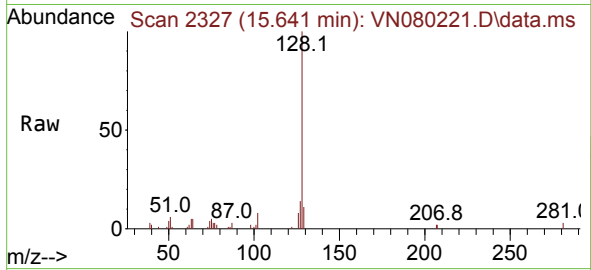
Tgt Ion: 75 Resp: 82615
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 4.373 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080221.D
Acq: 20 Nov 2023 20:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 30872
Ion Ratio Lower Upper
128 100
127 13.5 10.0 15.0
129 10.5 8.7 13.1

