

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080208.D
 Acq On : 20 Nov 2023 15:24
 Operator : JC\MD
 Sample : PB157250ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:05:59 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

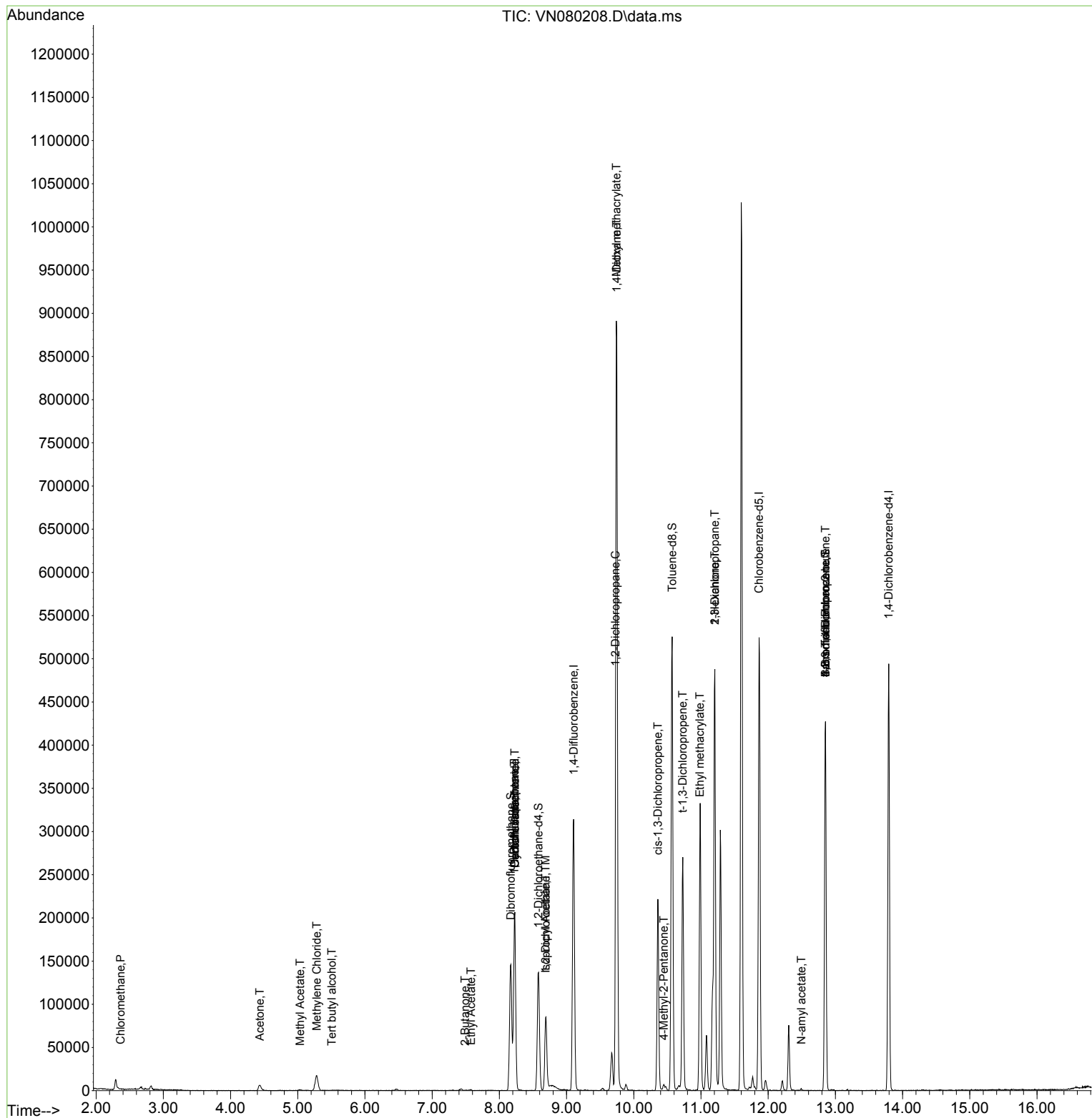
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	138000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	258720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	131007	57.495	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.980%	
35) Dibromofluoromethane	8.171	113	99855	52.307	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.620%	
50) Toluene-d8	10.571	98	360438	52.377	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.760%	
62) 4-Bromofluorobenzene	12.853	95	142635	54.874	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.740%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	361	0.234	ug/l #	42
6) Chloroethane	3.095	64	364	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	54	0.216	ug/l #	72
16) Acetone	4.436	43	12978	16.957	ug/l	100
18) Methyl Acetate	5.036	43	1315	0.535	ug/l #	54
20) Methylene Chloride	5.283	84	14464	9.025	ug/l #	82
25) 2-Butanone	7.488	43	663	0.729	ug/l #	37
31) Cyclohexane	8.230	56	2996	1.209	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	11802	4.270	ug/l #	49
37) Ethyl Acetate	7.577	43	2120	1.106	ug/l #	72
38) Carbon Tetrachloride	8.230	117	16738	4.772	ug/l #	14
42) 1,2-Dichloroethane	8.688	62	899	0.280	ug/l #	73
43) Isopropyl Acetate	8.688	43	93866	25.161	ug/l #	86
45) 1,2-Dichloropropane	9.729	63	1177	0.645	ug/l #	45
48) Methyl methacrylate	9.741	41	90881	47.271	ug/l #	29
49) 1,4-Dioxane	9.747	88	90	2.814	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3820	1.978	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	750	0.240	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	40957	12.837	ug/l #	68
56) Ethyl methacrylate	10.982	69	2082	1.086	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5730	1.749	ug/l #	42
59) 2-Hexanone	11.206	43	63749	41.074	ug/l #	45
71) Bromoform	12.853	173	613	0.320	ug/l #	1
74) N-amyl acetate	12.494	43	820	0.264	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	84544	26.904	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	84544	90.897	ug/l #	15

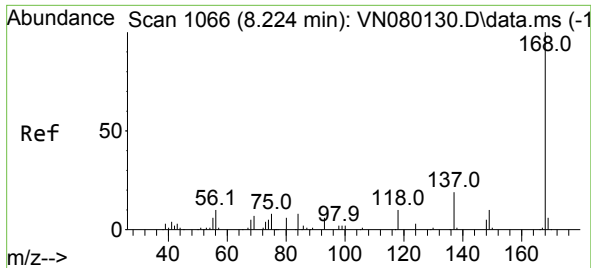
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 01:05:59 2023
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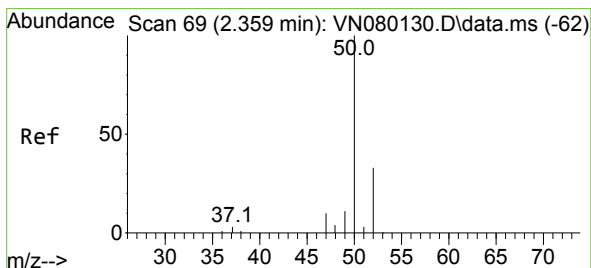
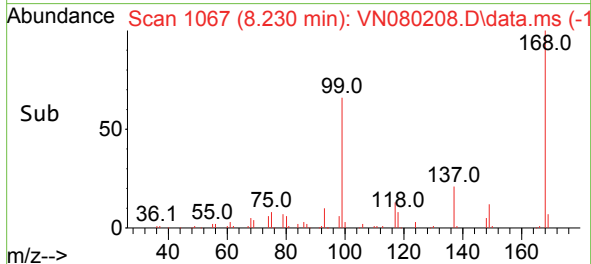
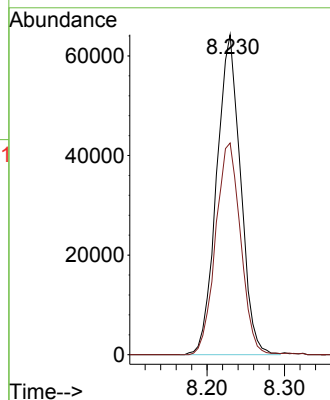
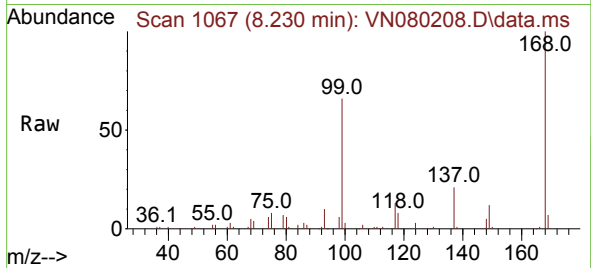




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

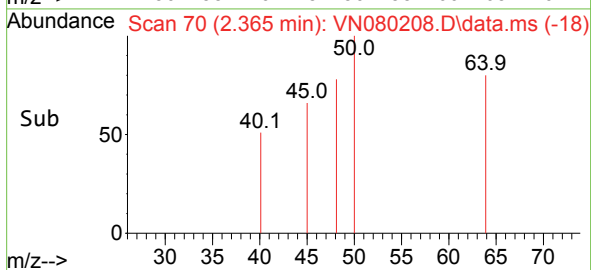
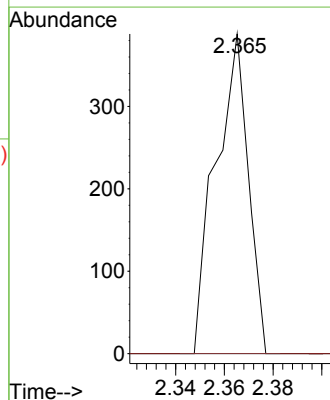
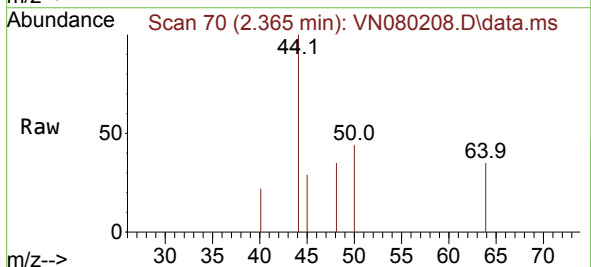
Instrument :
MSVOA_N
ClientSampleId :

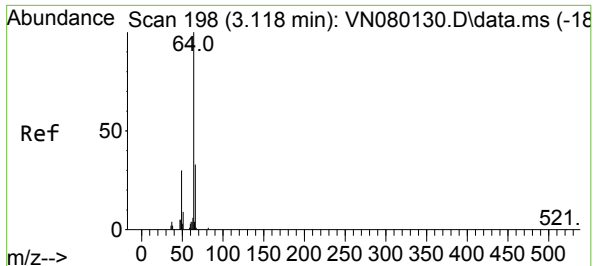
Tgt Ion:168 Resp: 138000
Ion Ratio Lower Upper
168 100
99 66.1 53.0 79.6



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

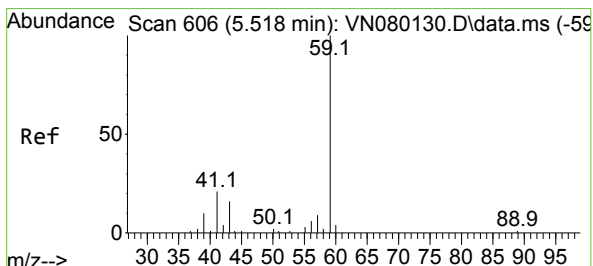
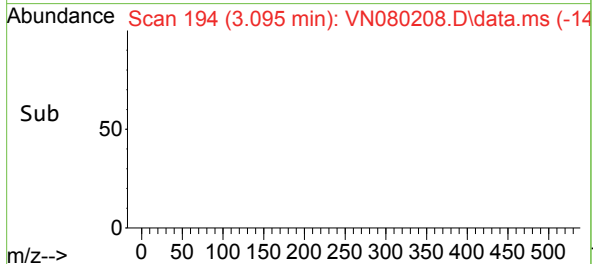
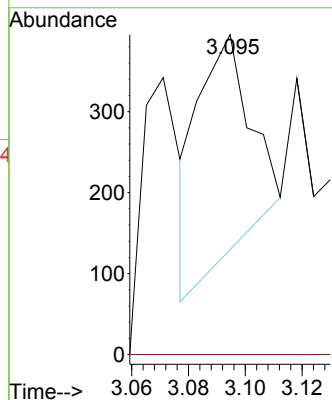
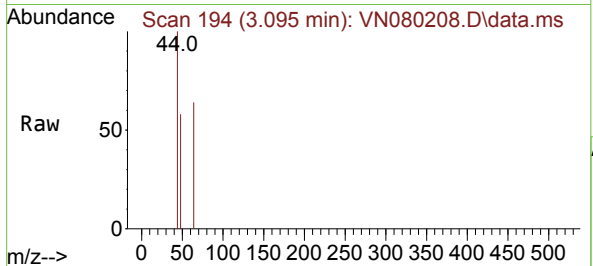




#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 198
Delta R.T. -0.023 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

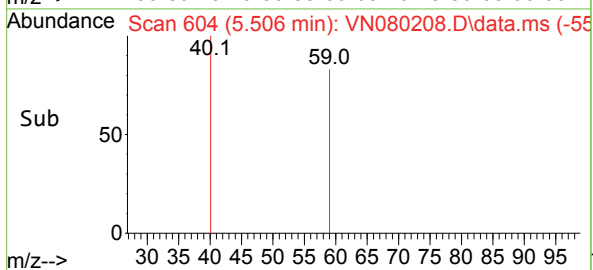
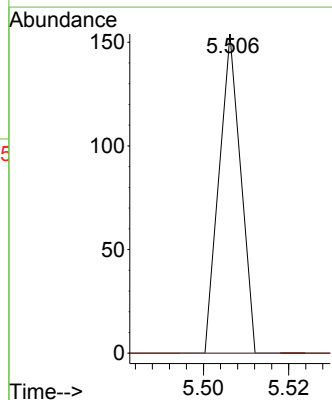
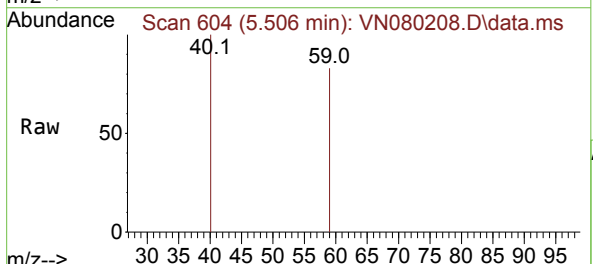
Instrument :
MSVOA_N
ClientSampleId :

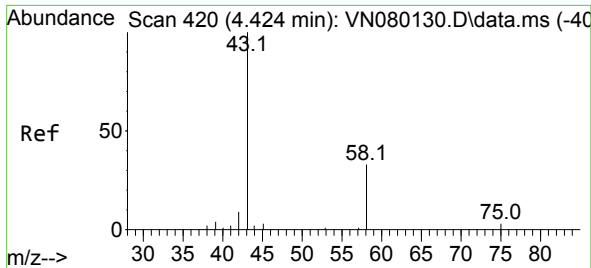
Tgt Ion: 64 Resp: 364
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.216 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

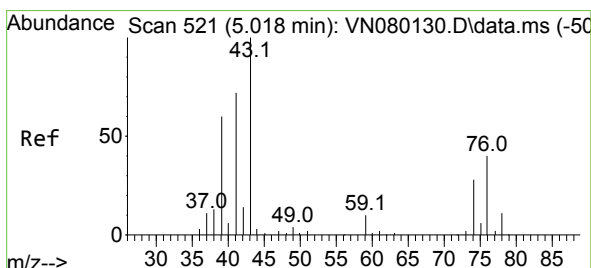
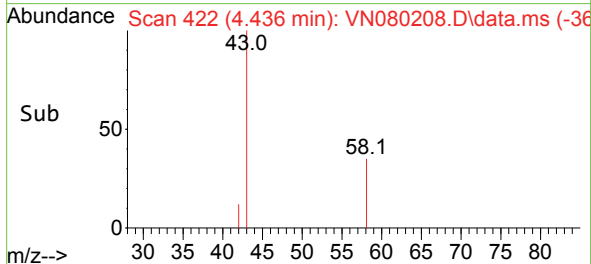
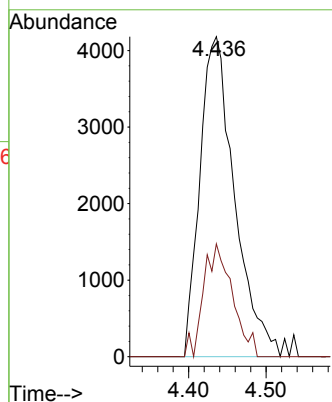
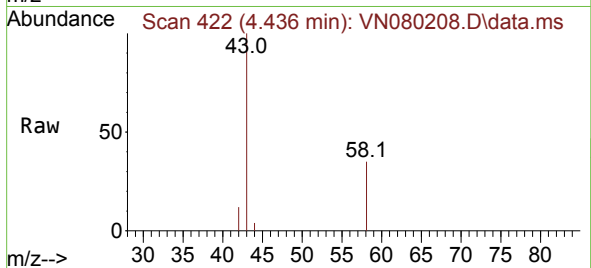




#16
Acetone
Concen: 16.957 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

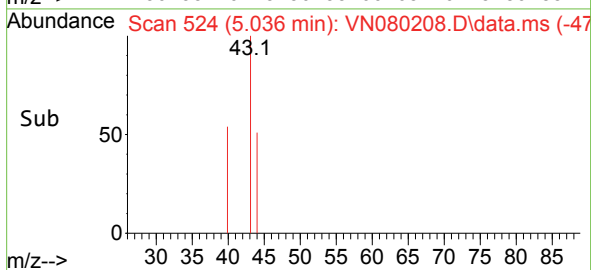
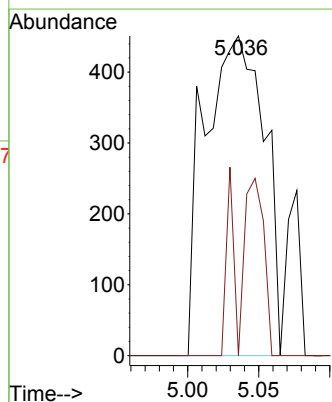
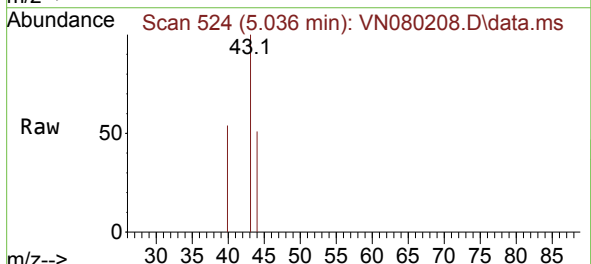
Instrument :
MSVOA_N
ClientSampleId :

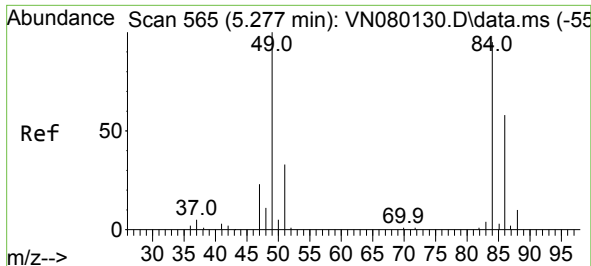
Tgt Ion: 43 Resp: 12978
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

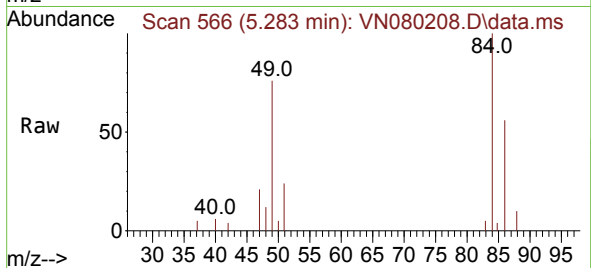
Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
74 7.1 26.2 39.4#



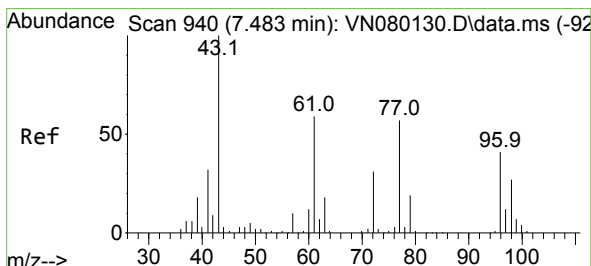
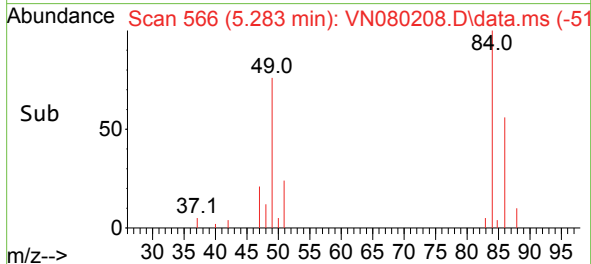
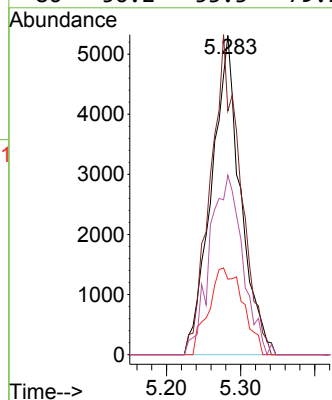


#20
Methylene Chloride
Concen: 9.025 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Instrument :
MSVOA_N
ClientSampleId :

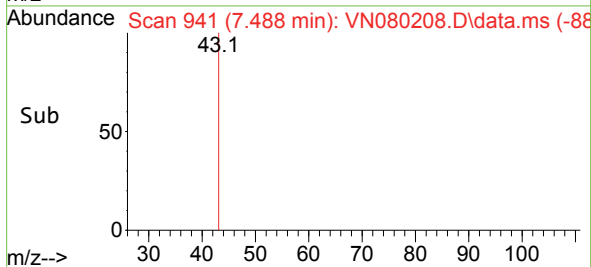
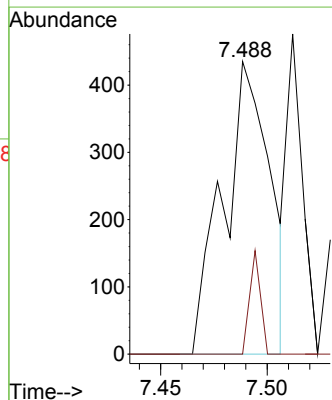
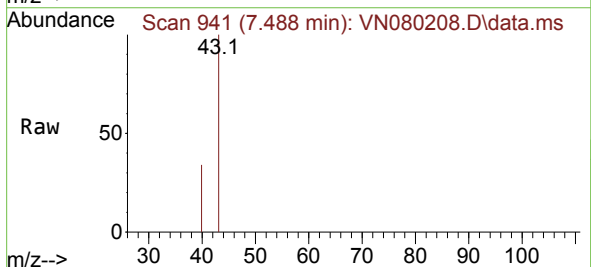


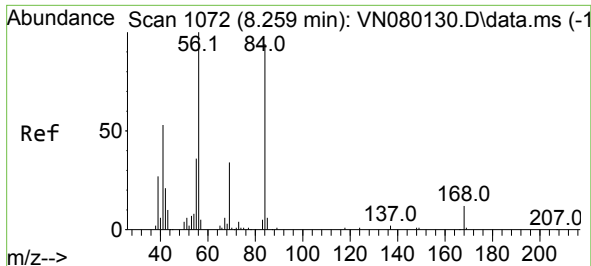
Tgt Ion: 84	Resp: 14464
Ion Ratio	Lower Upper
84 100	
49 76.3	79.7 119.5#
51 23.7	25.2 37.8#
86 56.2	53.3 79.9



#25
2-Butanone
Concen: 0.729 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

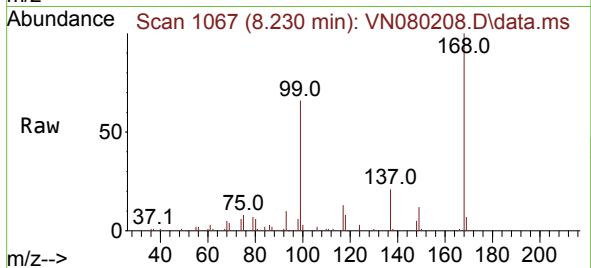
Tgt Ion: 43	Resp: 663		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	30.2	45.2#	



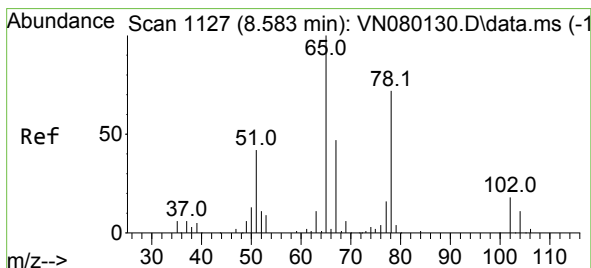
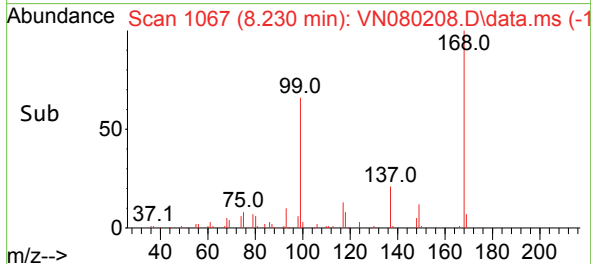
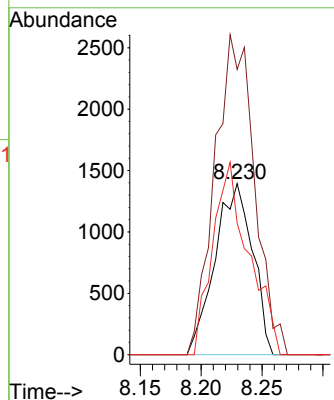


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Instrument :
MSVOA_N
ClientSampleId :

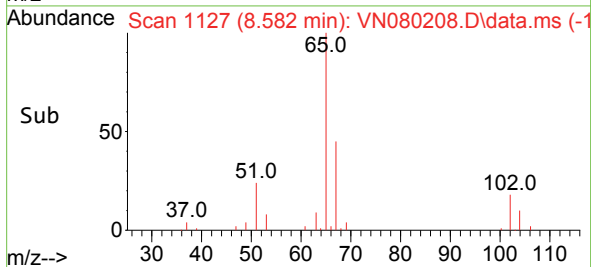
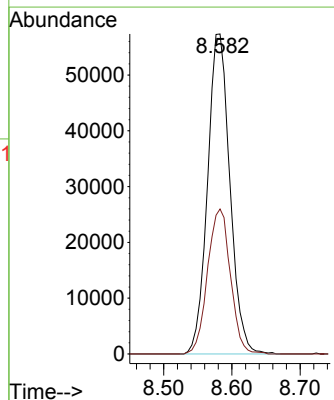
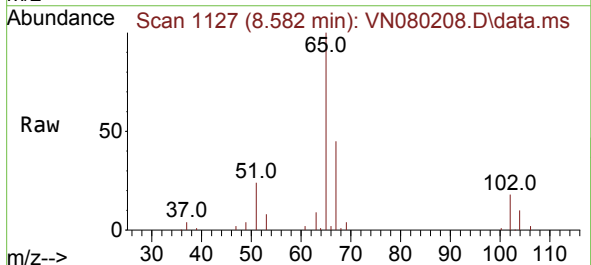


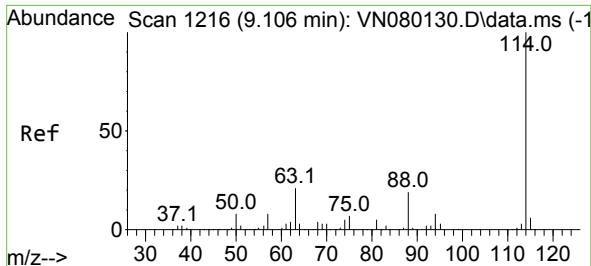
Tgt Ion: 56 Resp: 2996
Ion Ratio Lower Upper
56 100
69 166.8 26.8 40.2#
84 77.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 57.495 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 65 Resp: 131007
Ion Ratio Lower Upper
65 100
67 46.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :

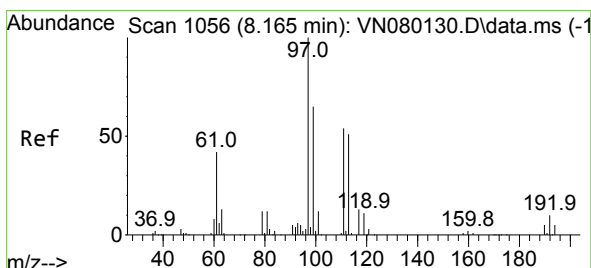
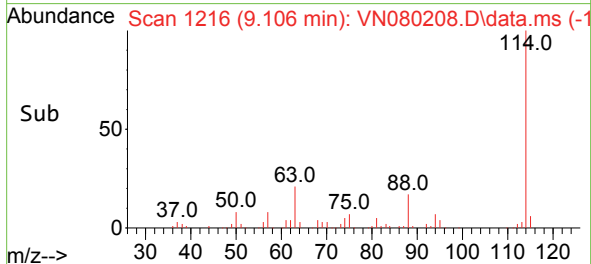
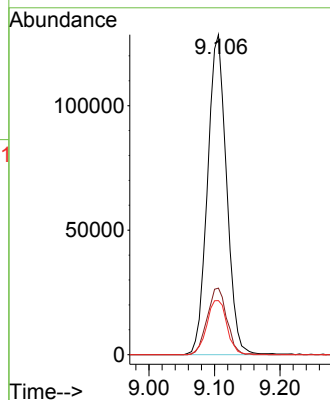
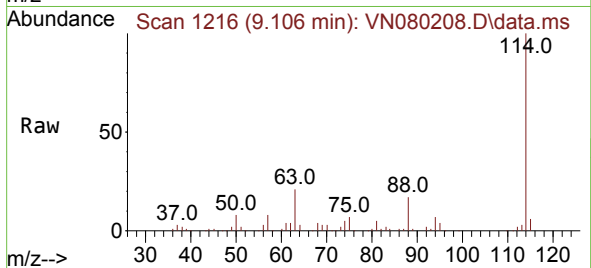
Tgt Ion:114 Resp: 258720

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 16.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.307 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

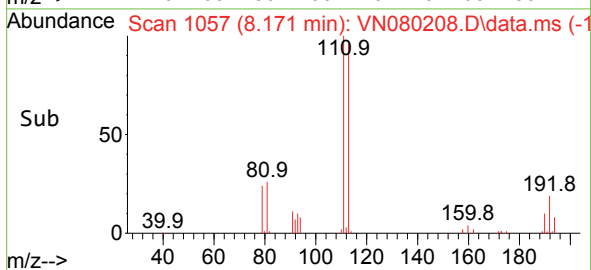
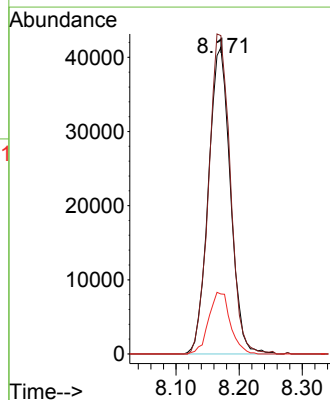
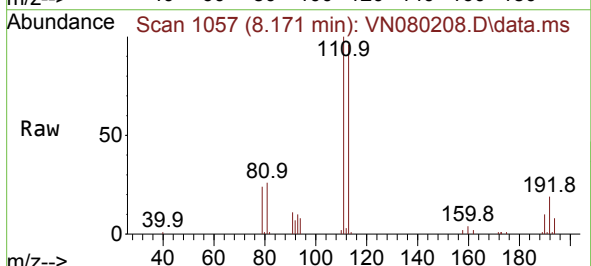
Tgt Ion:113 Resp: 99855

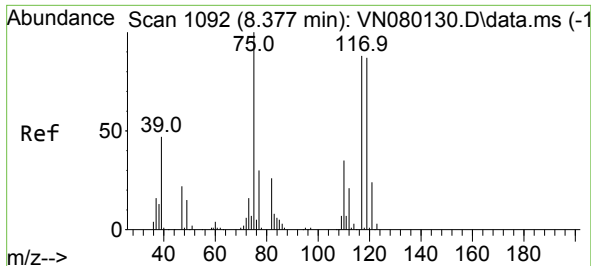
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 19.8 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.270 ug/l

RT: 8.224 min Scan# 11802

Delta R.T. -0.153 min

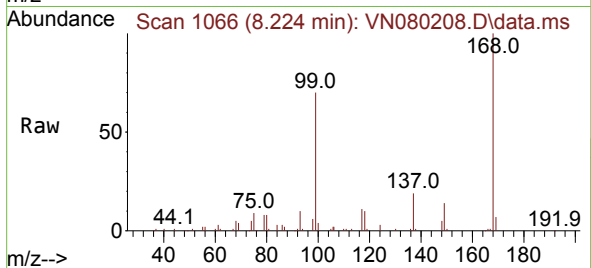
Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :



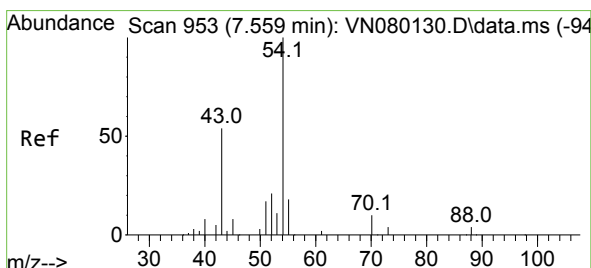
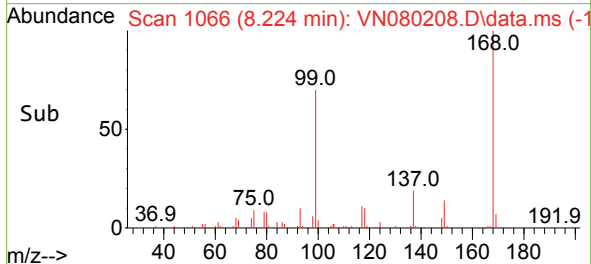
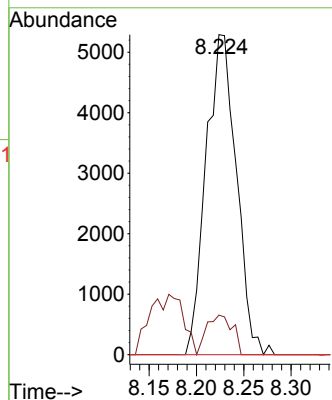
Tgt Ion: 75 Resp: 11802

Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.106 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.018 min

Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

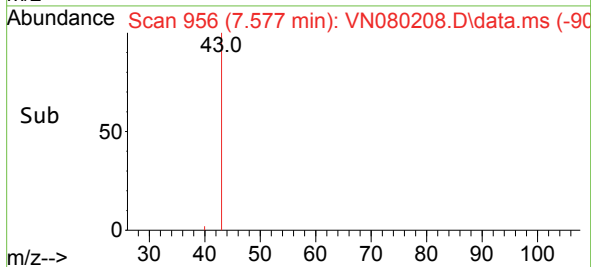
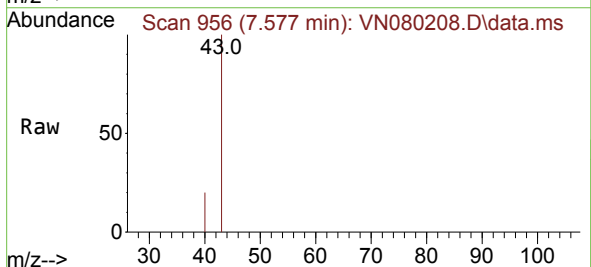
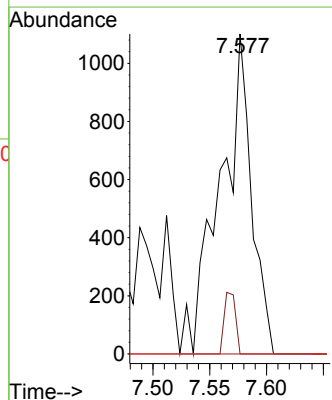
Tgt Ion: 43 Resp: 2120

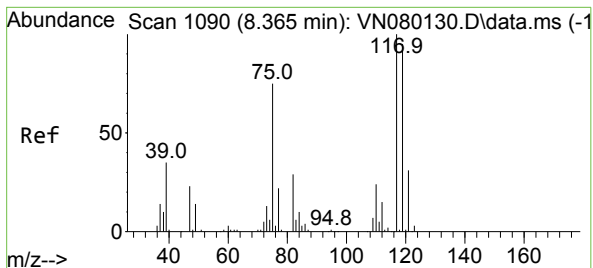
Ion Ratio Lower Upper

43 100

61 6.9 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.772 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

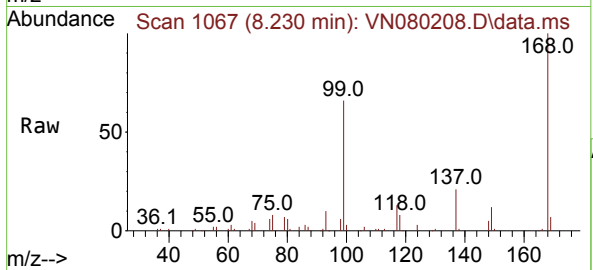
Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :



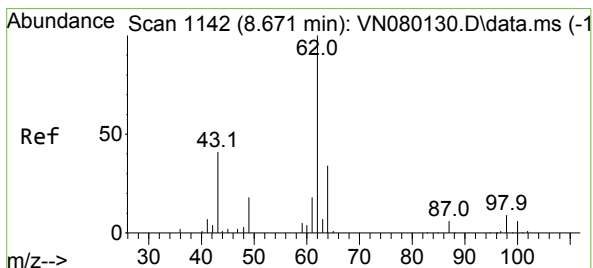
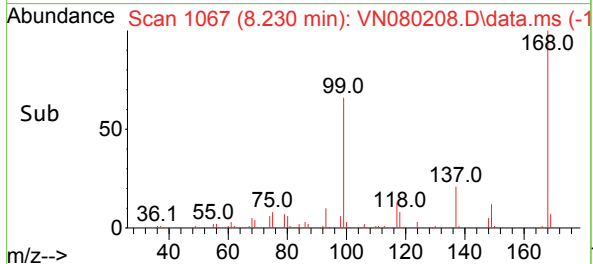
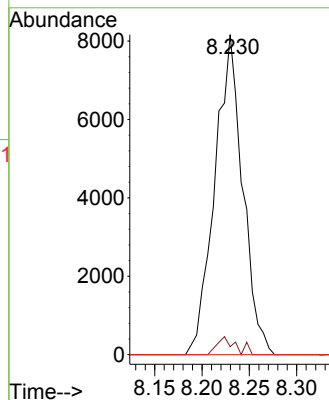
Tgt Ion:117 Resp: 16738

Ion Ratio Lower Upper

117 100

119 2.5 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.280 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080208.D

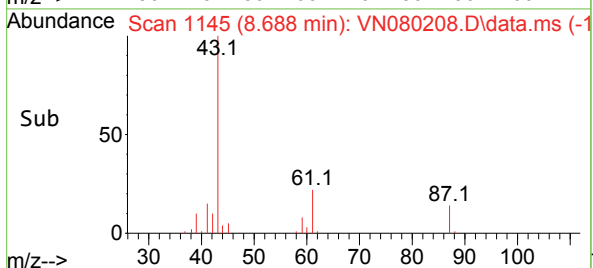
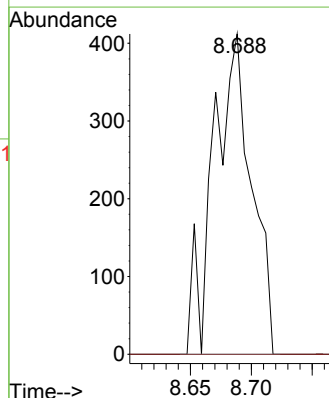
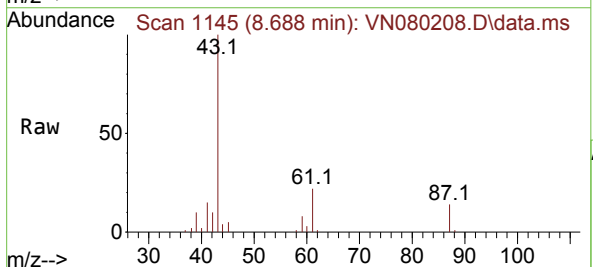
Acq: 20 Nov 2023 15:24

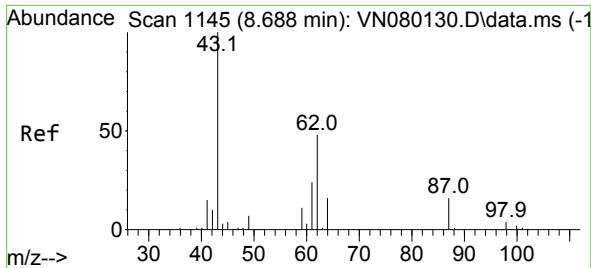
Tgt Ion: 62 Resp: 899

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

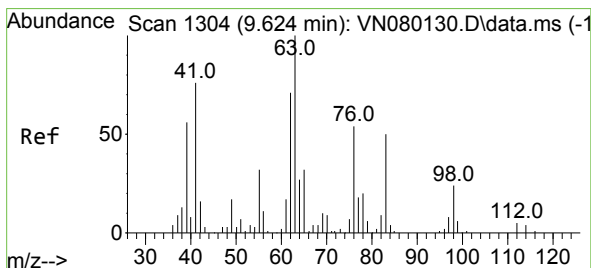
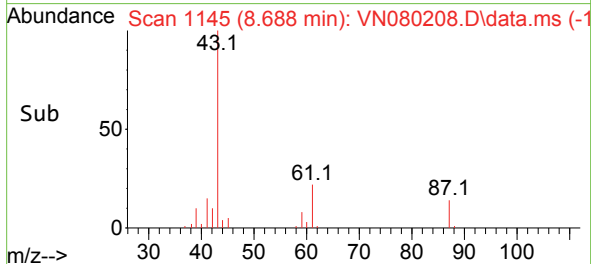
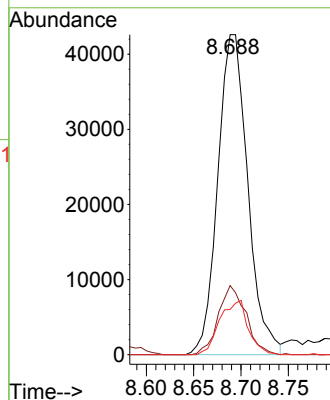
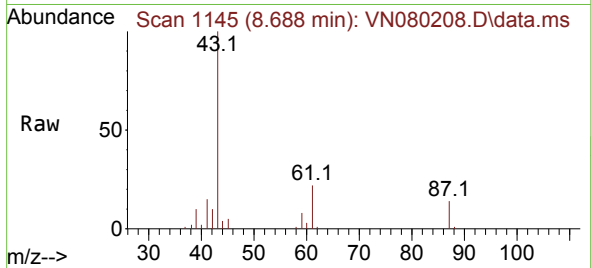




#43
Isopropyl Acetate
Concen: 25.161 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

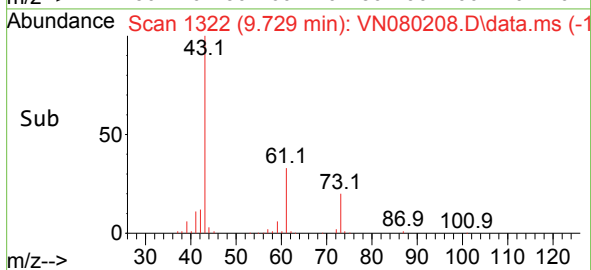
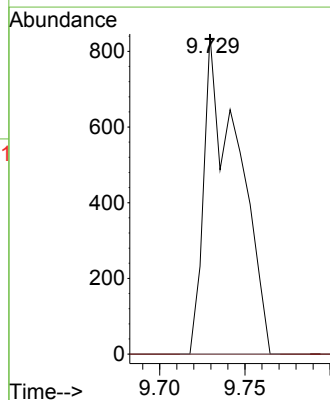
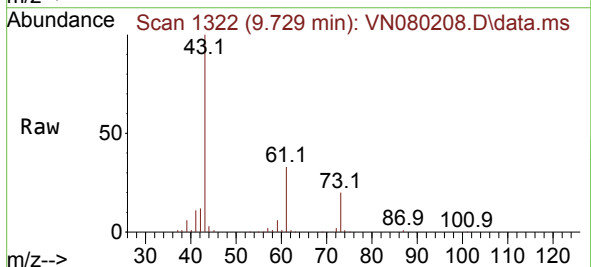
Instrument :
MSVOA_N
ClientSampleId :

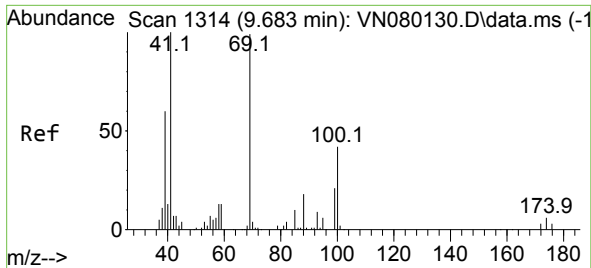
Tgt Ion: 43 Resp: 93866
Ion Ratio Lower Upper
43 100
61 20.0 24.7 37.1#
87 16.1 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.645 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.106 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 63 Resp: 1177
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

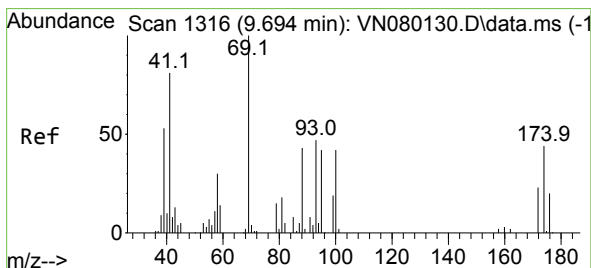
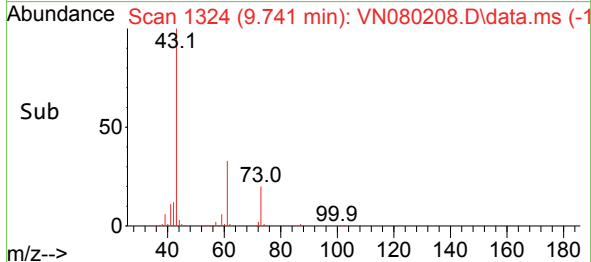
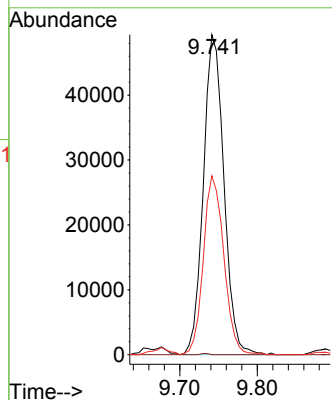
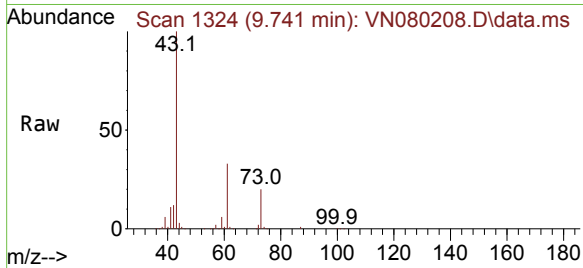




#48
Methyl methacrylate
Concen: 47.271 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

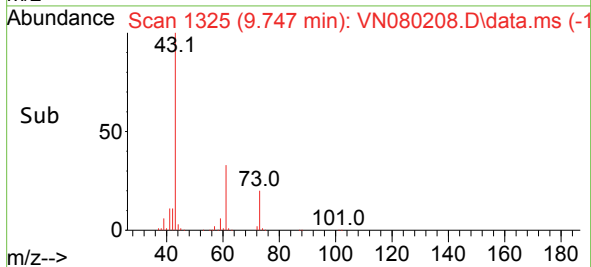
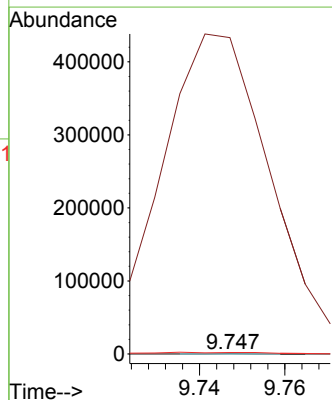
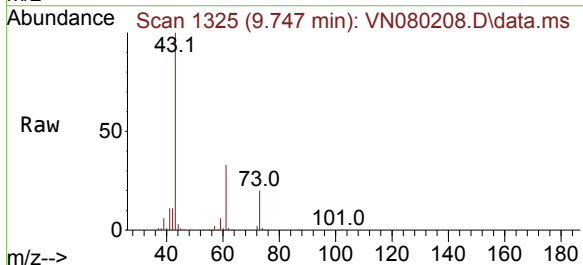
Instrument :
MSVOA_N
ClientSampleId :

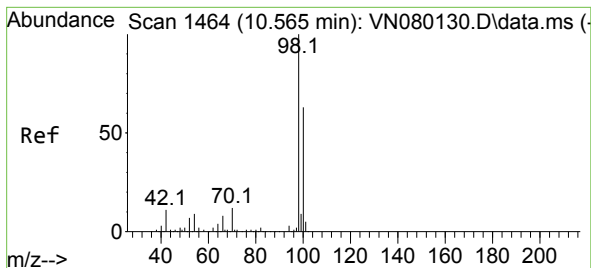
Tgt Ion: 41 Resp: 90881
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 55.8 54.6 81.8



#49
1,4-Dioxane
Concen: 2.814 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 893614.4 17.0 25.6#
58 4980.0 47.0 70.4#





#50

Toluene-d8

Concen: 52.377 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

Instrument :

MSVOA_N

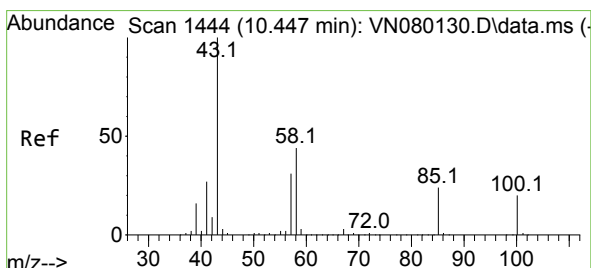
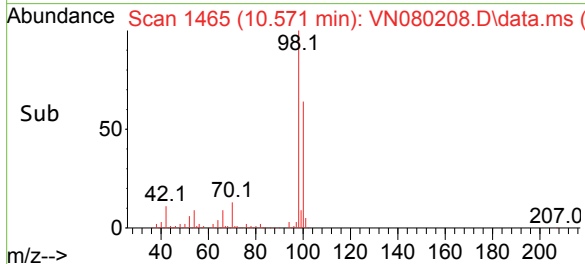
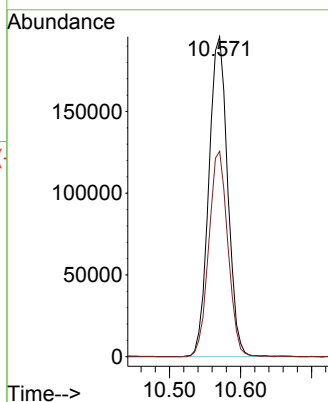
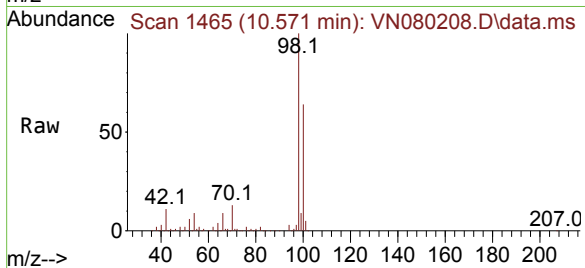
ClientSampleId :

Tgt Ion: 98 Resp: 360438

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.978 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN080208.D

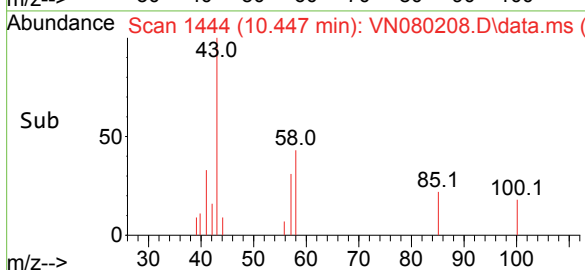
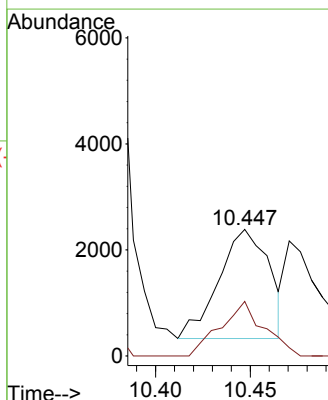
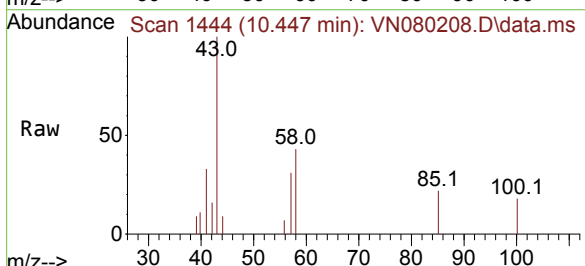
Acq: 20 Nov 2023 15:24

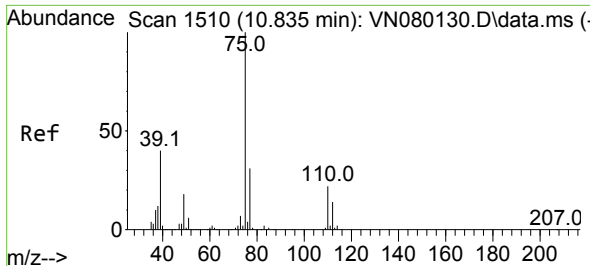
Tgt Ion: 43 Resp: 3820

Ion Ratio Lower Upper

43 100

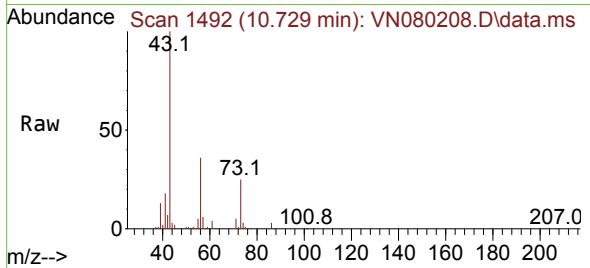
58 43.0 36.6 54.8



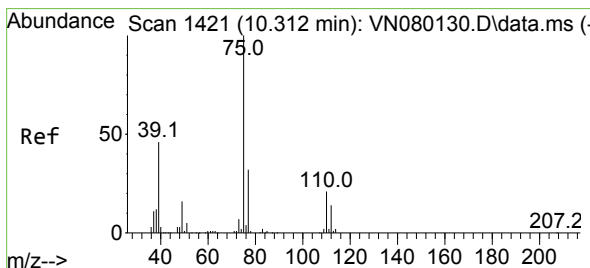
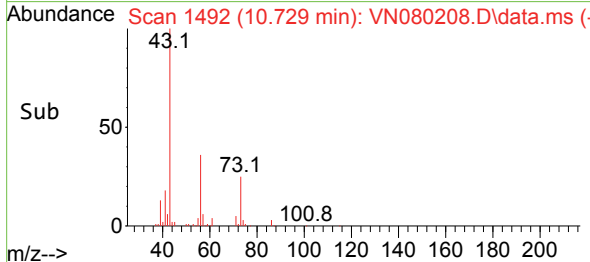
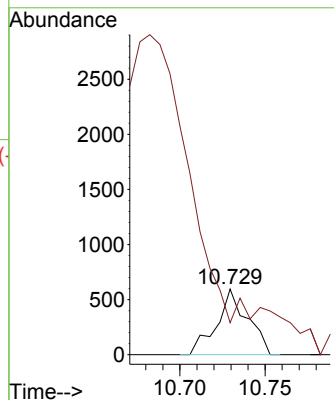


#53
 t-1,3-Dichloropropene
 Concen: 0.240 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN080208.D
 Acq: 20 Nov 2023 15:24

Instrument :
 MSVOA_N
 ClientSampleId :

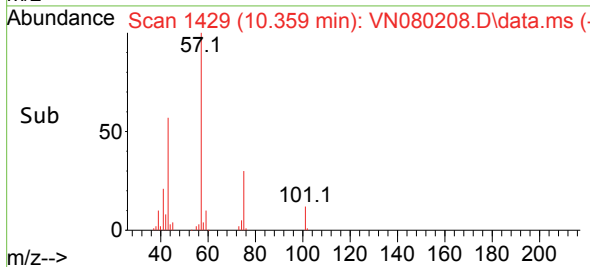
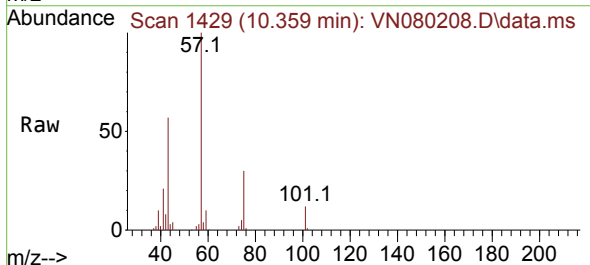
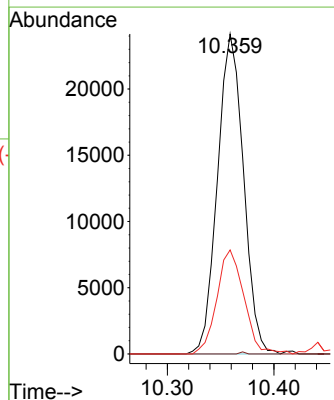


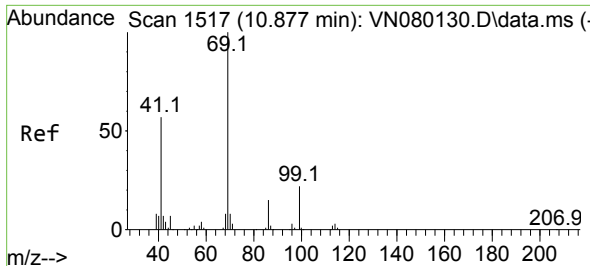
Tgt Ion: 75 Resp: 750
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.837 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080208.D
 Acq: 20 Nov 2023 15:24

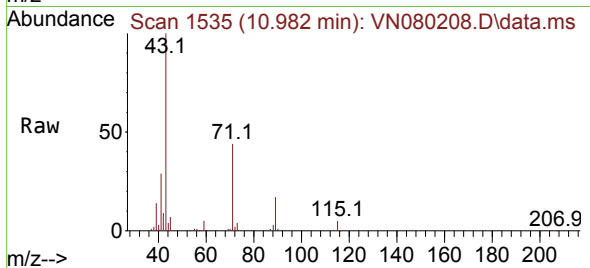
Tgt Ion: 75 Resp: 40957
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 32.5 31.6 47.4



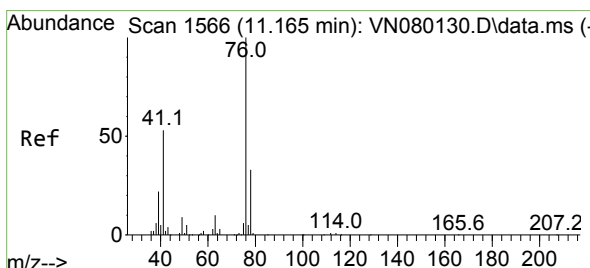
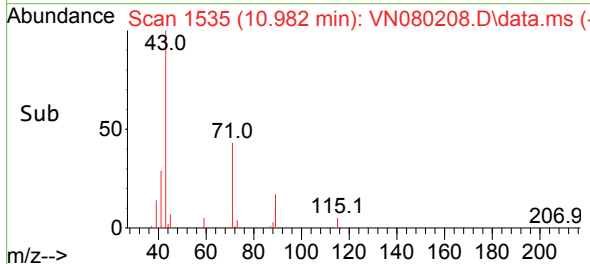
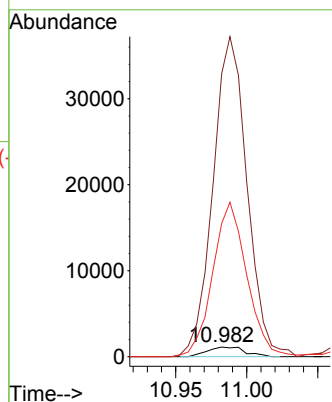


#56
Ethyl methacrylate
Concen: 1.086 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Instrument :
MSVOA_N
ClientSampleId :

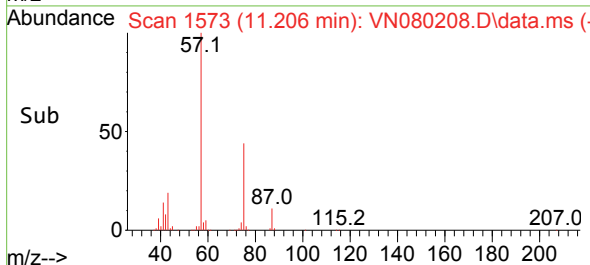
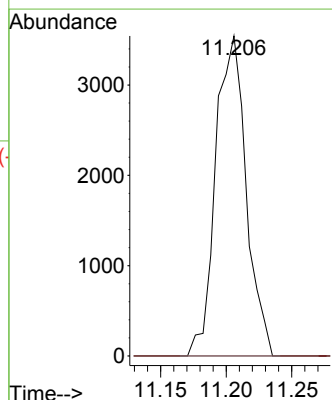
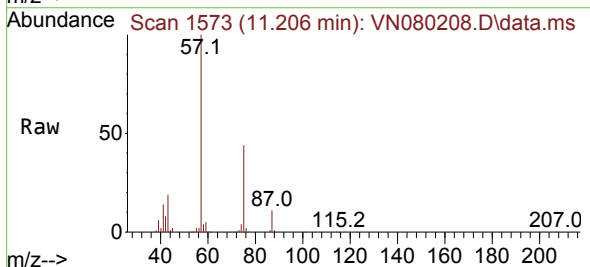


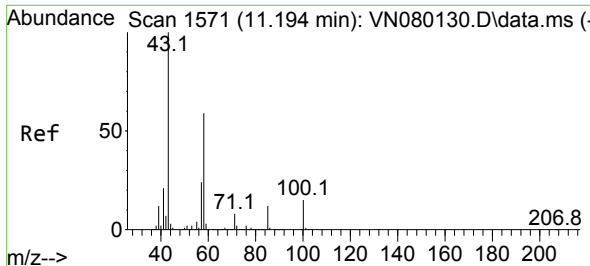
Tgt Ion: 69 Resp: 2082
Ion Ratio Lower Upper
69 100
41 2988.0 39.6 59.4#
39 1437.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.749 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 76 Resp: 5730
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

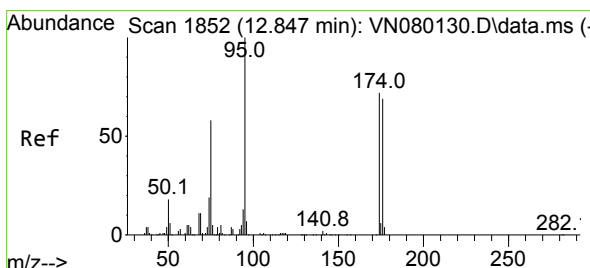
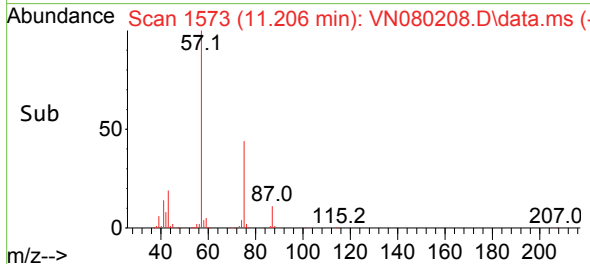
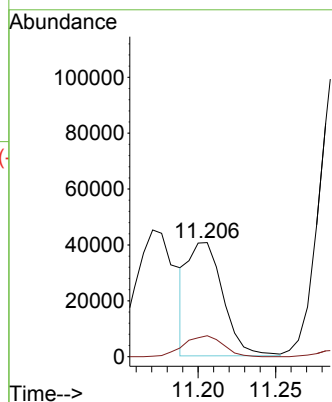
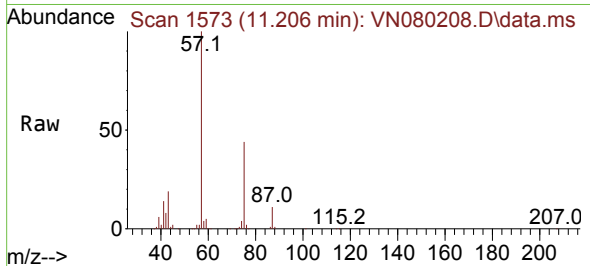




#59
2-Hexanone
Concen: 41.074 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

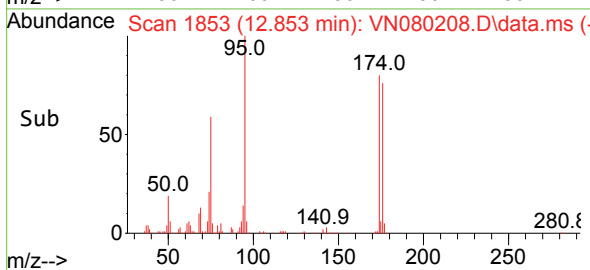
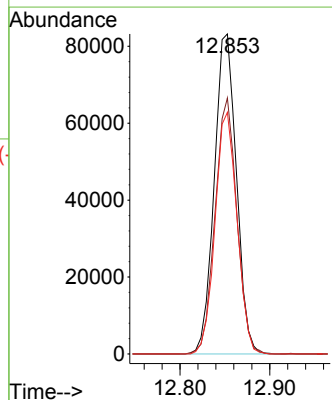
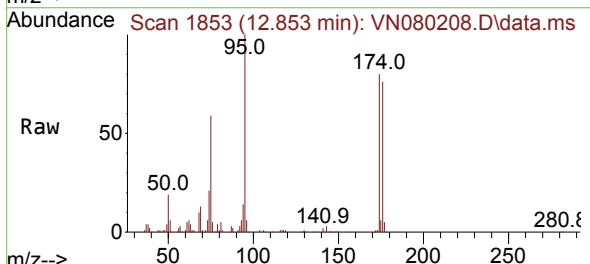
Instrument :
MSVOA_N
ClientSampleId :

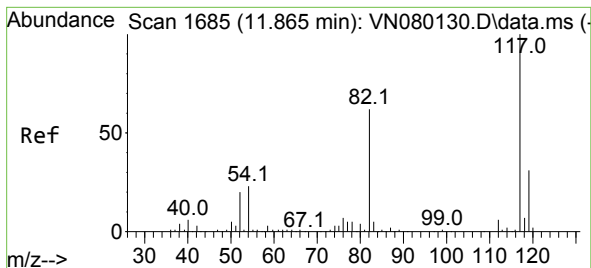
Tgt Ion: 43 Resp: 63749
Ion Ratio Lower Upper
43 100
58 20.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.874 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 95 Resp: 142635
Ion Ratio Lower Upper
95 100
174 78.6 0.0 143.8
176 74.9 0.0 135.8

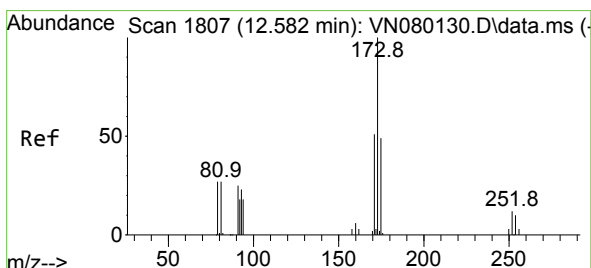
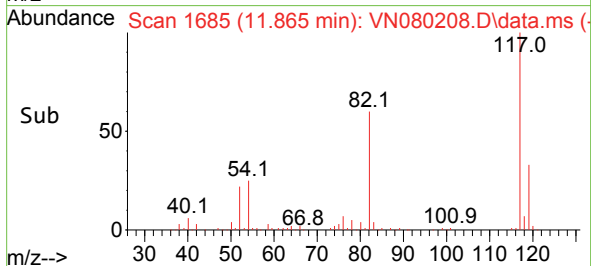
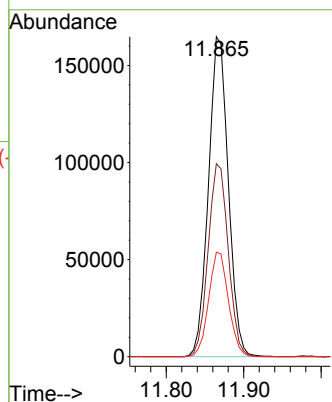
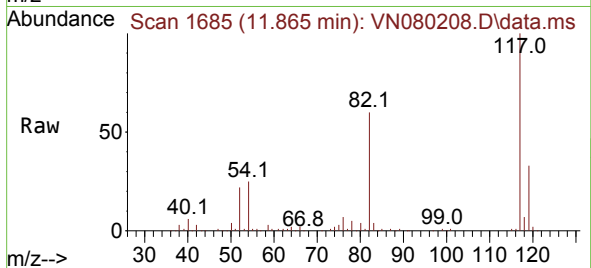




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

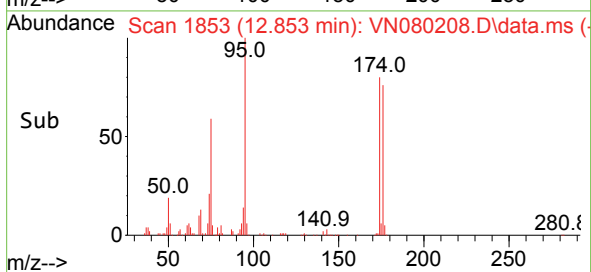
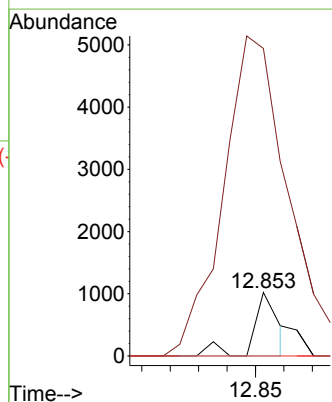
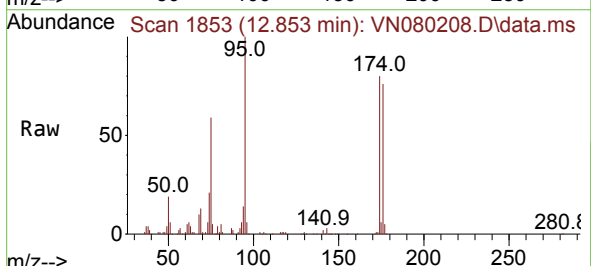
Instrument :
MSVOA_N
ClientSampleId :

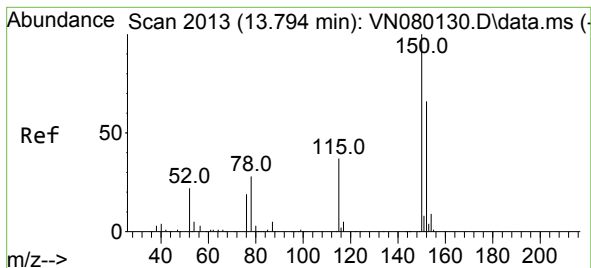
Tgt Ion:117 Resp: 293338
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 32.6 25.6 38.4



#71
Bromoform
Concen: 0.320 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion:173 Resp: 613
Ion Ratio Lower Upper
173 100
175 1108.5 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# 20

Delta R.T. -0.000 min

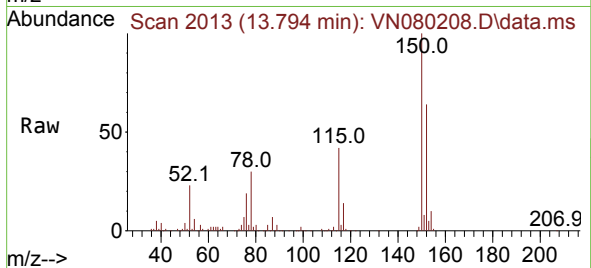
Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :



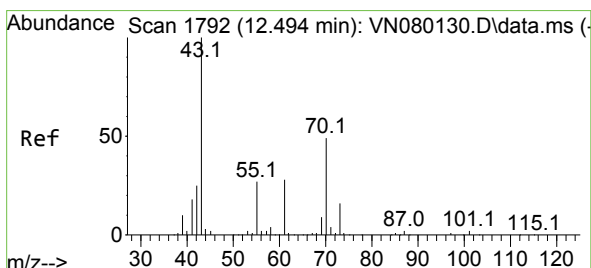
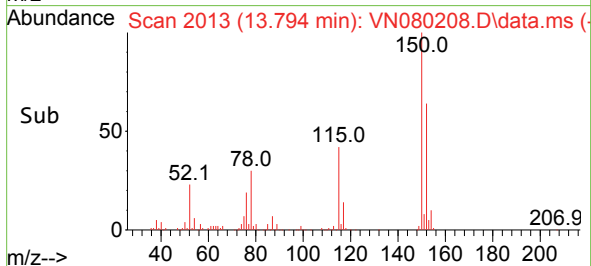
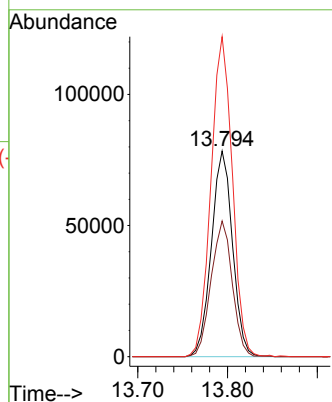
Tgt Ion:152 Resp: 128254

Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

150 157.6 0.0 355.8



#74

N-ethyl acetate

Concen: 0.264 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN080208.D

Acq: 20 Nov 2023 15:24

Tgt Ion: 43 Resp: 820

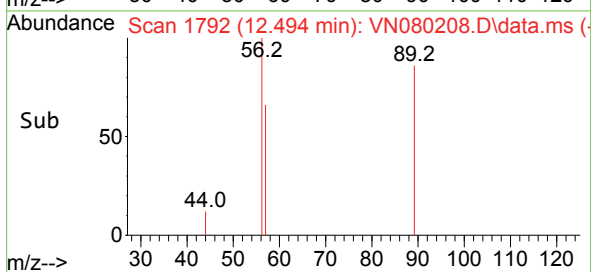
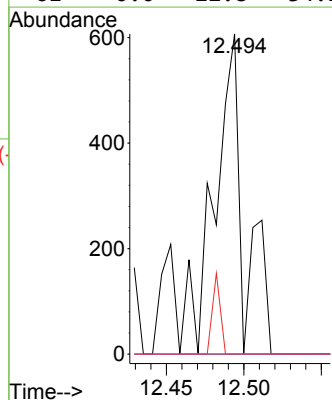
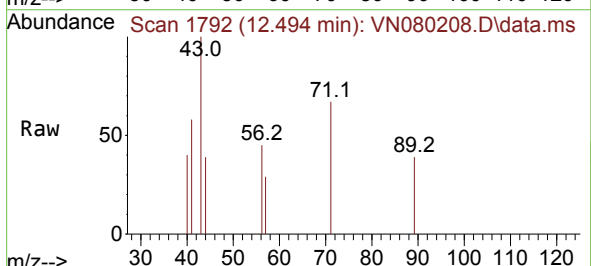
Ion Ratio Lower Upper

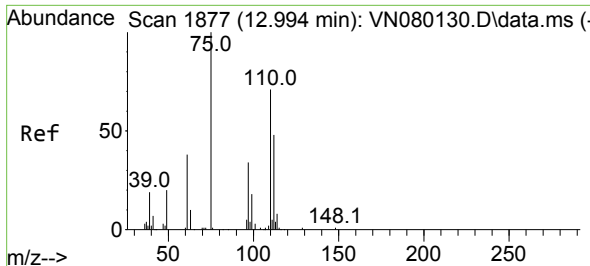
43 100

70 0.0 43.4 65.2#

55 6.6 21.4 32.0#

61 0.0 22.8 34.2#

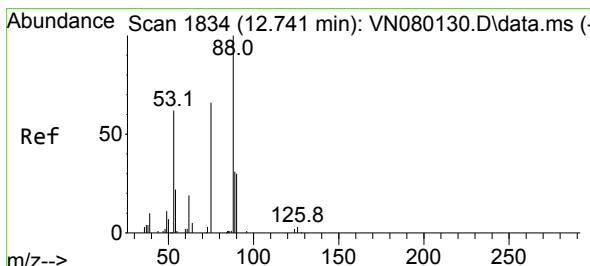
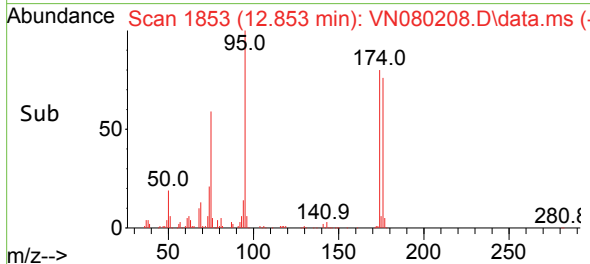
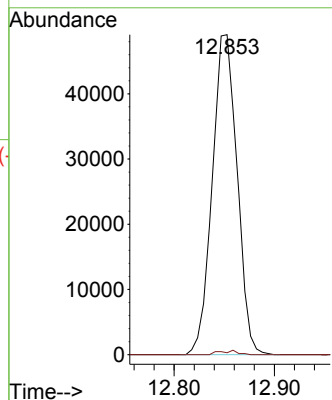
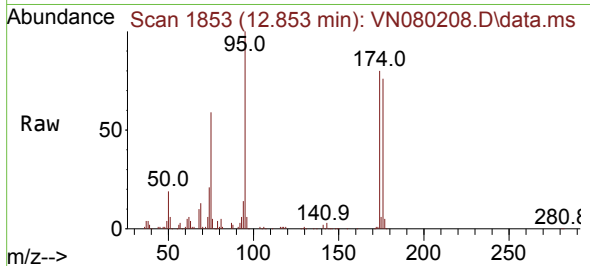




#76
1,2,3-Trichloropropane
Concen: 26.904 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 84544
Ion Ratio Lower Upper
75 100
77 0.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.897 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080208.D
Acq: 20 Nov 2023 15:24

Tgt Ion: 75 Resp: 84544
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

