

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081470.D
 Acq On : 19 Mar 2024 14:58
 Operator : JC\MD
 Sample : P1772-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1349

Quant Time: Mar 20 01:18:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

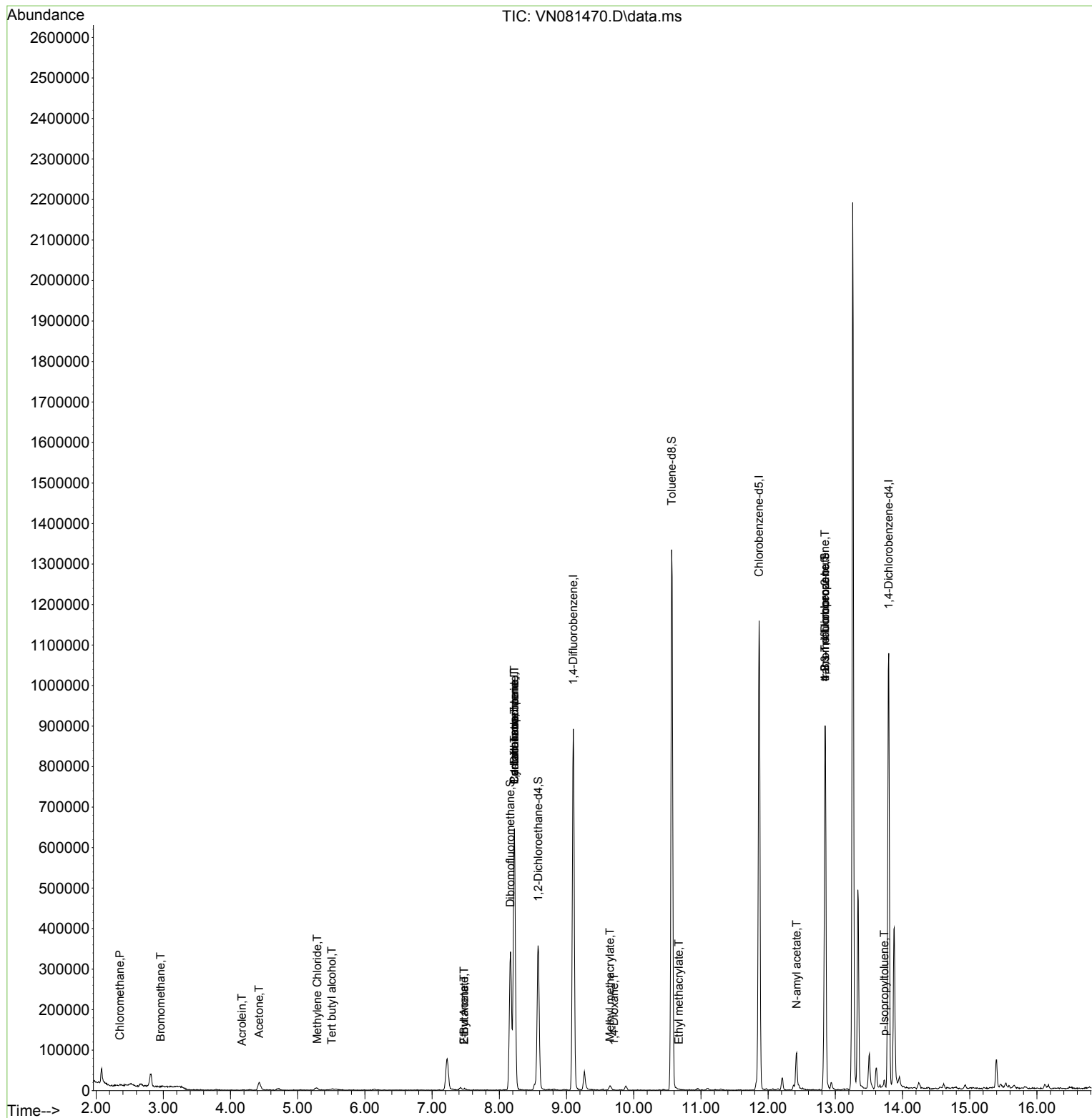
Internal Standards						
1) Pentafluorobenzene	8.224	168	462091	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.101	114	789510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	689149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	294907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	288276	48.919	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.840%		
35) Dibromofluoromethane	8.165	113	242163	48.602	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.200%		
50) Toluene-d8	10.565	98	921735	51.175	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.340%		
62) 4-Bromofluorobenzene	12.847	95	298682	47.062	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	94.120%		
Target Compounds						
						Qvalue
3) Chloromethane	2.354	50	1768	0.285	ug/l	# 85
5) Bromomethane	2.960	94	1096	0.223	ug/l	# 54
11) Tert butyl alcohol	5.507	59	1955	1.904	ug/l	# 80
13) Acrolein	4.171	56	226	0.245	ug/l	# 15
16) Acetone	4.424	43	35959	18.882	ug/l	98
20) Methylene Chloride	5.289	84	4168	0.668	ug/l	# 77
25) 2-Butanone	7.477	43	5472	1.675	ug/l	93
31) Cyclohexane	8.224	56	10082	1.051	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	38411	4.581	ug/l	# 51
37) Ethyl Acetate	7.477	43	5472	0.762	ug/l	# 71
38) Carbon Tetrachloride	8.224	117	49537	5.393	ug/l	# 18
48) Methyl methacrylate	9.648	41	3864	0.704	ug/l	# 48
49) 1,4-Dioxane	9.706	88	117	0.887	ug/l	# 1
56) Ethyl methacrylate	10.671	69	171	0.590	ug/l	# 48
74) N-amyl acetate	12.424	43	21080	2.317	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	159908	22.668	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	159908	61.257	ug/l	# 15
86) p-Isopropyltoluene	13.730	119	11288	0.540	ug/l	94

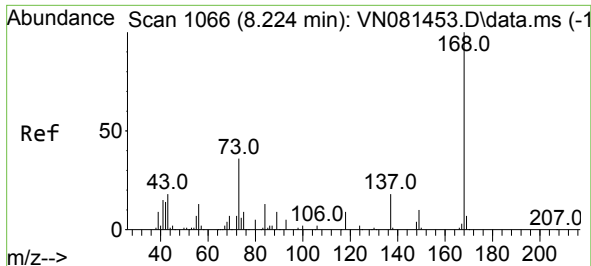
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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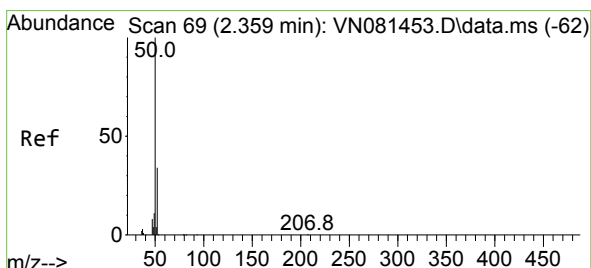
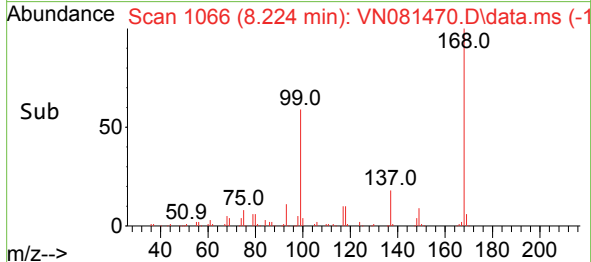
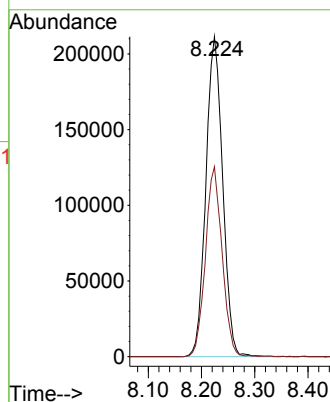
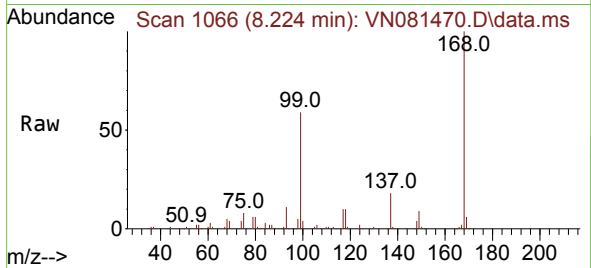




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

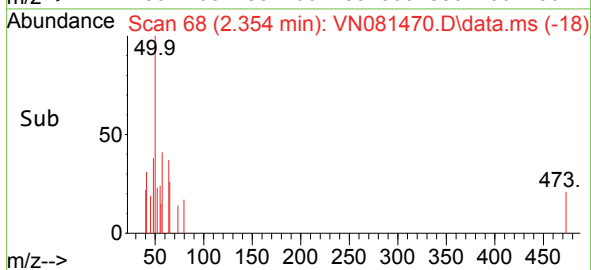
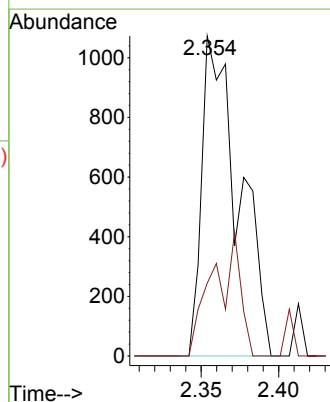
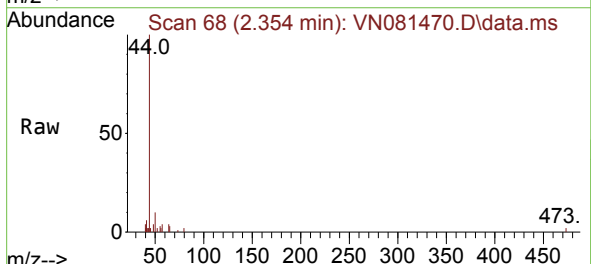
Instrument :
MSVOA_N
ClientSampleId :
1349

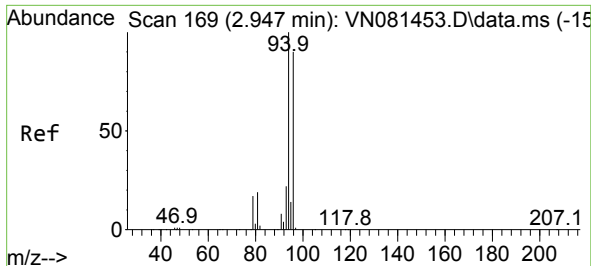
Tgt Ion:168 Resp: 462091
Ion Ratio Lower Upper
168 100
99 59.4 59.9 89.9#



#3
Chloromethane
Concen: 0.285 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 50 Resp: 1768
Ion Ratio Lower Upper
50 100
52 22.7 25.0 37.4#

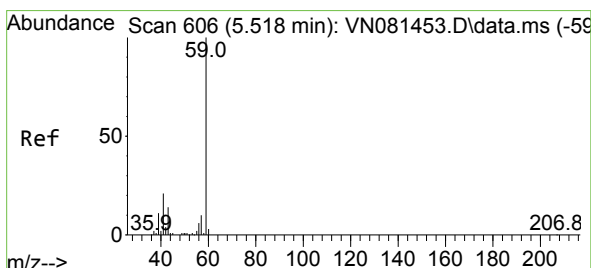
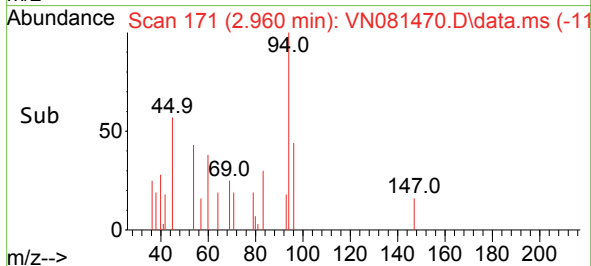
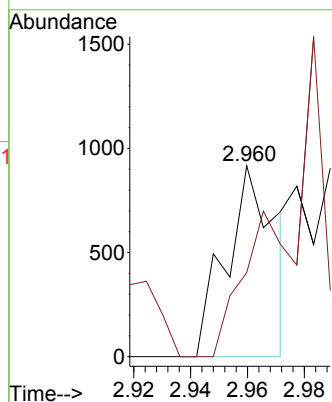
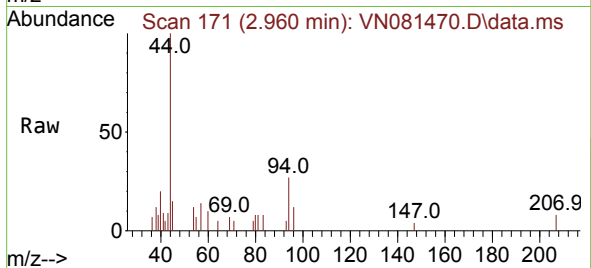




#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.960 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

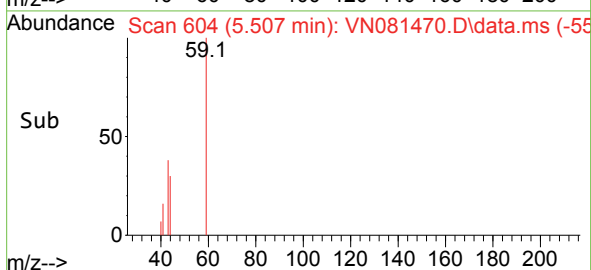
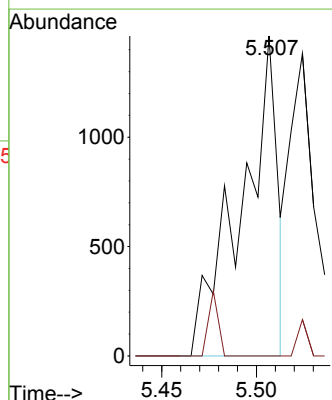
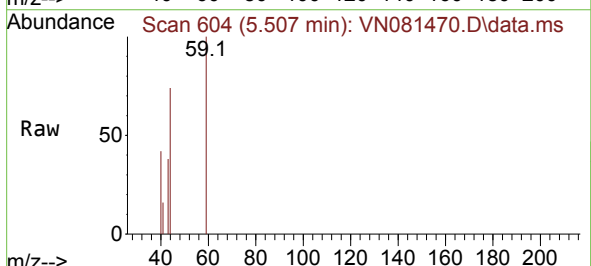
Instrument :
MSVOA_N
ClientSampleId :
1349

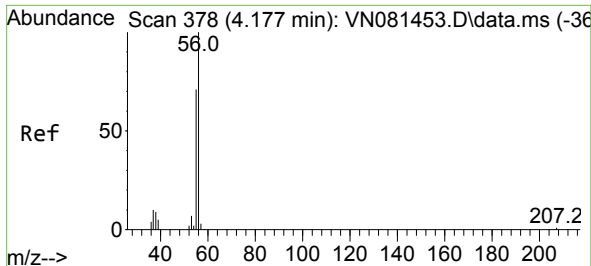
Tgt Ion: 94 Resp: 1096
Ion Ratio Lower Upper
94 100
96 44.1 69.2 103.8#



#11
Tert butyl alcohol
Concen: 1.904 ug/l
RT: 5.507 min Scan# 604
Delta R.T. -0.011 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 59 Resp: 1955
Ion Ratio Lower Upper
59 100
57 3.0 8.6 12.8#

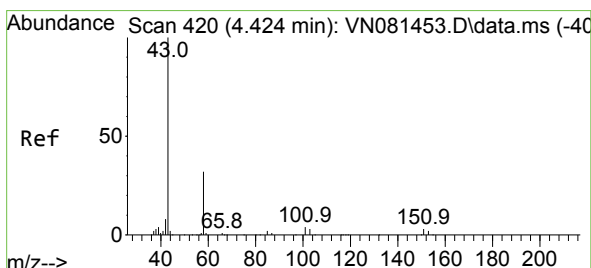
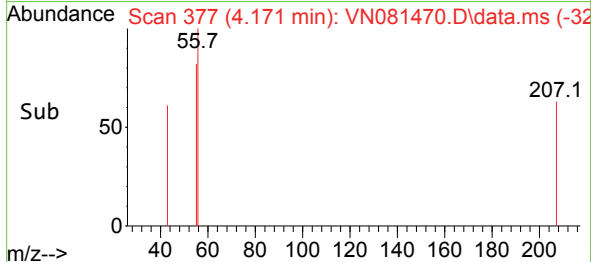
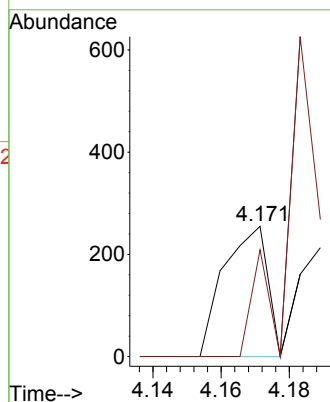
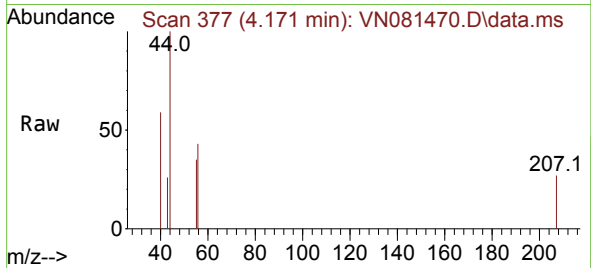




#13
Acrolein
Concen: 0.245 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

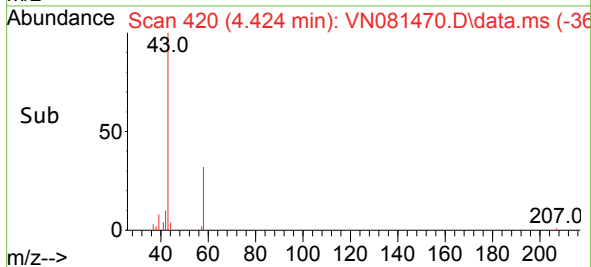
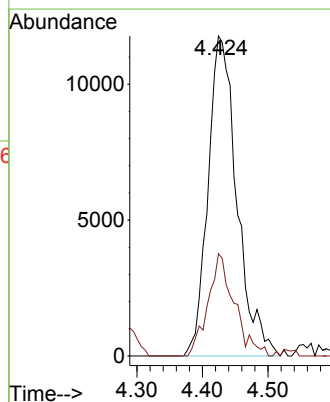
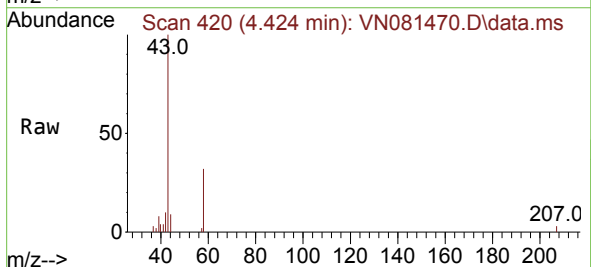
Instrument :
MSVOA_N
ClientSampleId :
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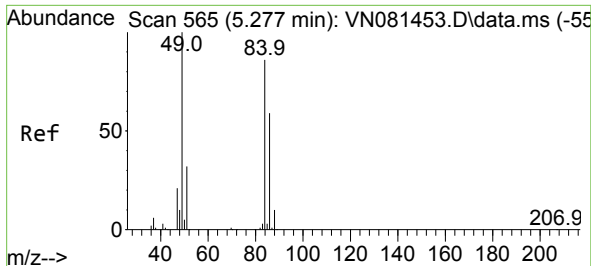
Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 18.882 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 43 Resp: 35959
Ion Ratio Lower Upper
43 100
58 32.0 24.8 37.2

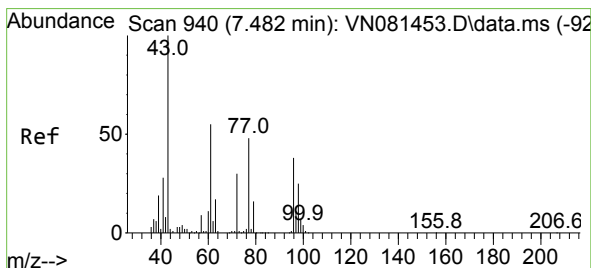
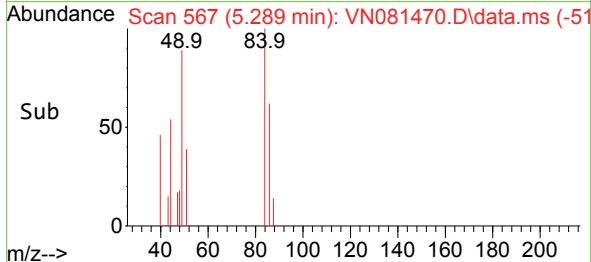
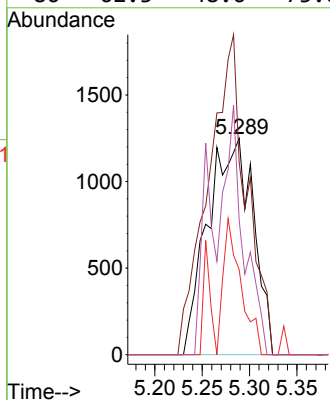
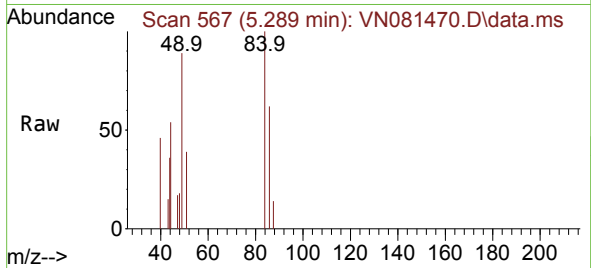




#20
Methylene Chloride
Concen: 0.668 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

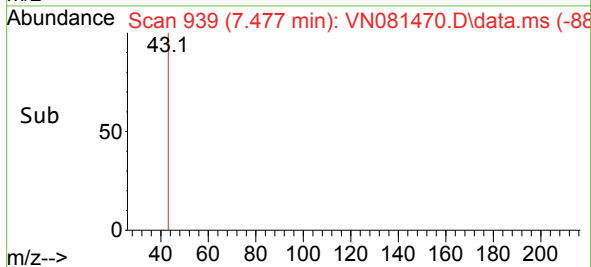
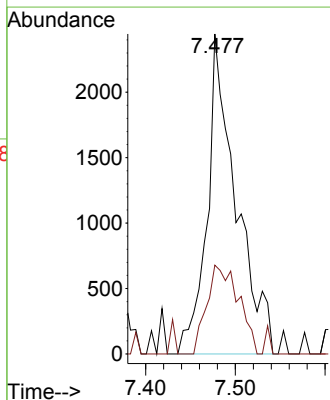
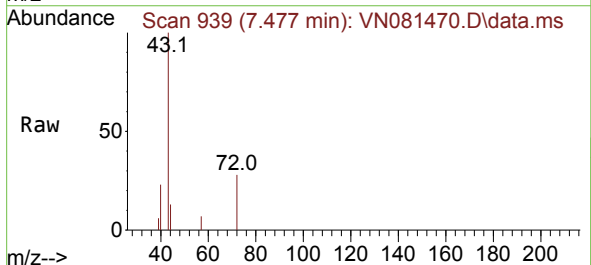
Instrument :
MSVOA_N
ClientSampleId :
1349

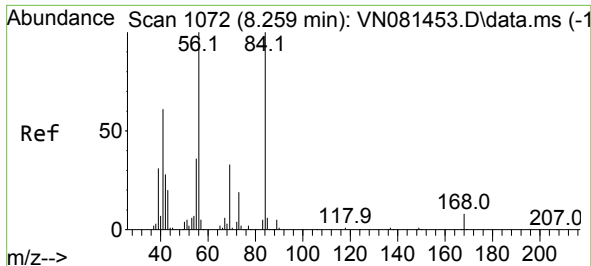
Tgt Ion: 84 Resp: 4168
Ion Ratio Lower Upper
84 100
49 89.1 108.1 162.1#
51 39.5 32.9 49.3
86 62.3 48.6 73.0



#25
2-Butanone
Concen: 1.675 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.005 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 43 Resp: 5472
Ion Ratio Lower Upper
43 100
72 27.8 19.5 29.3

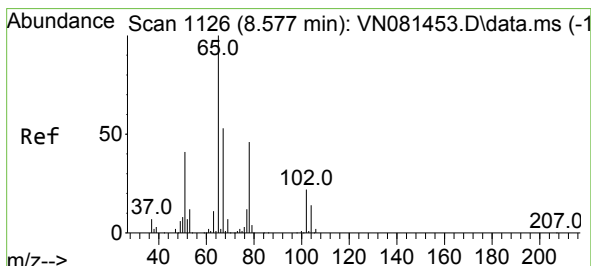
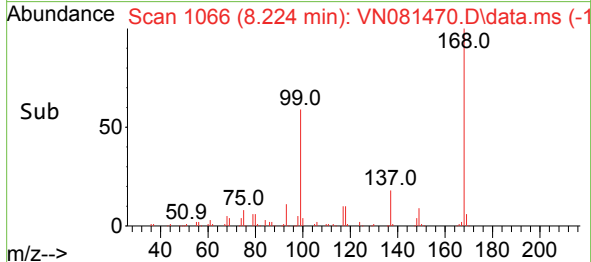
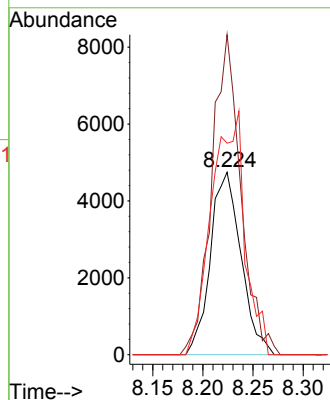
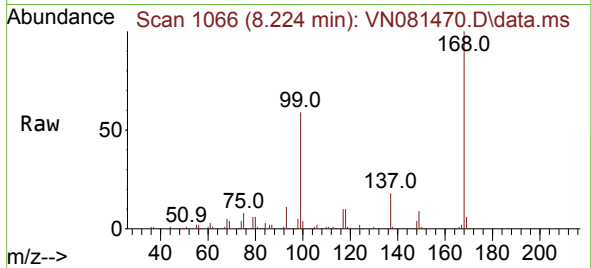




#31
Cyclohexane
Concen: 1.051 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

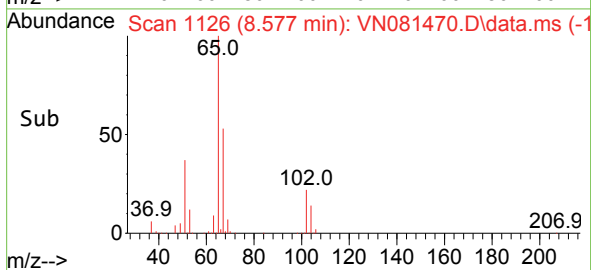
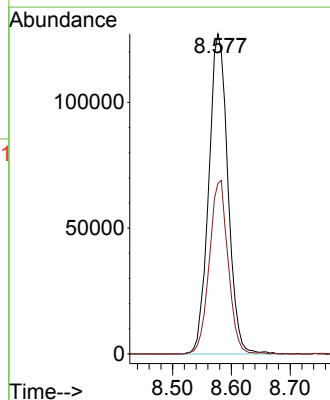
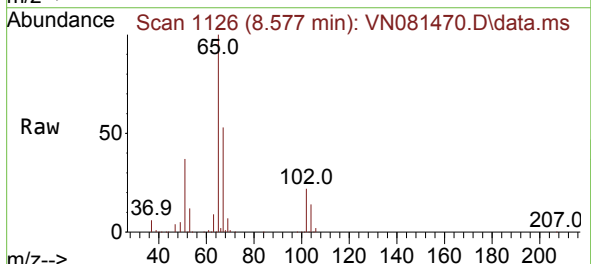
Instrument :
MSVOA_N
ClientSampleId :
1349

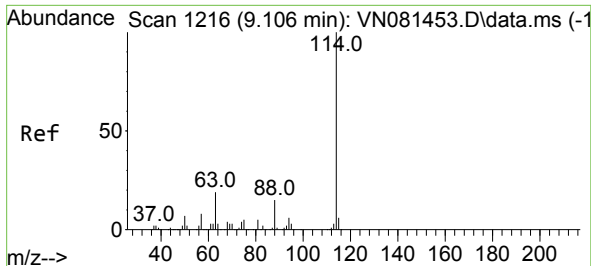
Tgt Ion: 56 Resp: 10082
Ion Ratio Lower Upper
56 100
69 175.5 20.1 30.1#
84 116.0 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.919 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 65 Resp: 288276
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN081470.D

Acq: 19 Mar 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :

1349

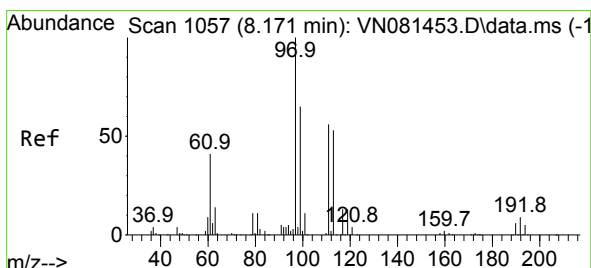
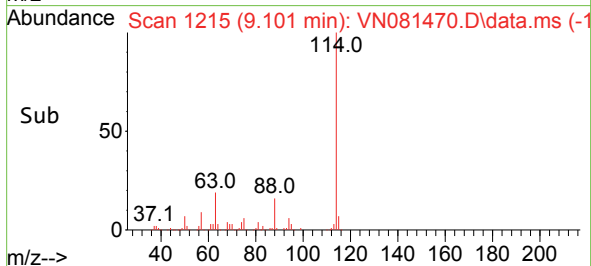
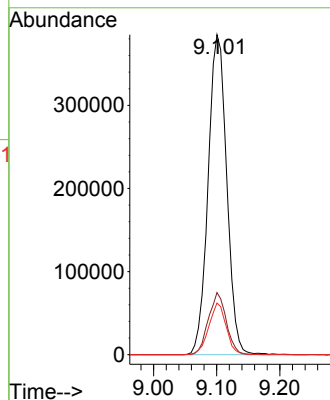
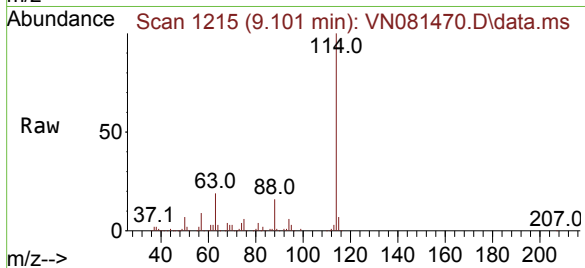
Tgt Ion:114 Resp: 789510

Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

88 16.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.602 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.005 min

Lab File: VN081470.D

Acq: 19 Mar 2024 14:58

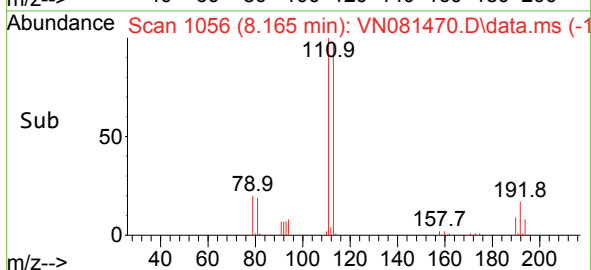
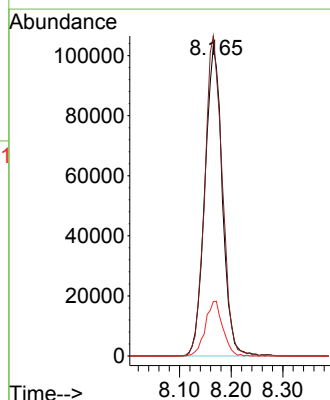
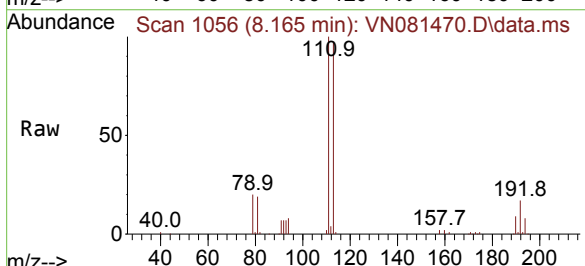
Tgt Ion:113 Resp: 242163

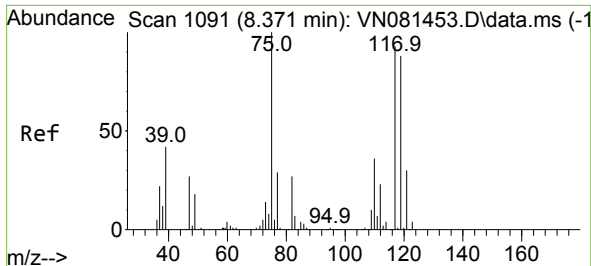
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.6 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.581 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081470.D

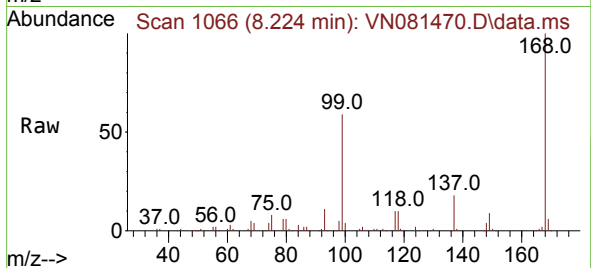
Acq: 19 Mar 2024 14:58

Instrument :

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ClientSampleId :

1349



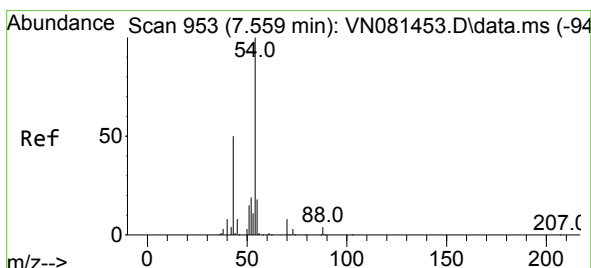
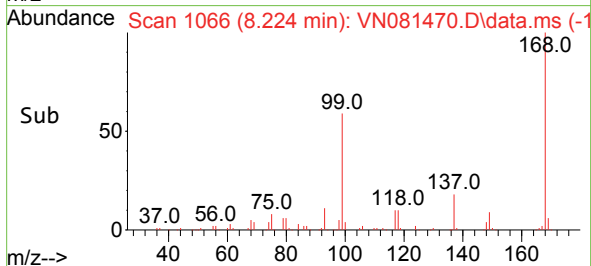
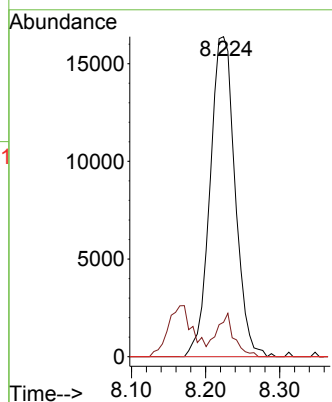
Tgt Ion: 75 Resp: 38411

Ion Ratio Lower Upper

75 100

110 9.6 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.762 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.082 min

Lab File: VN081470.D

Acq: 19 Mar 2024 14:58

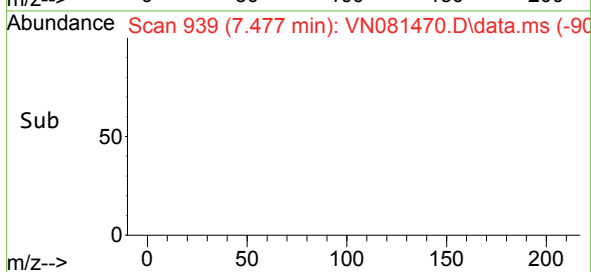
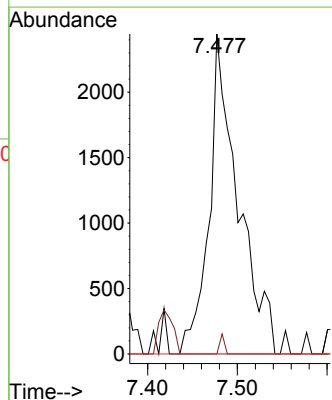
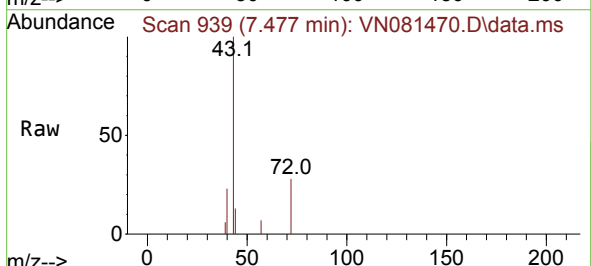
Tgt Ion: 43 Resp: 5472

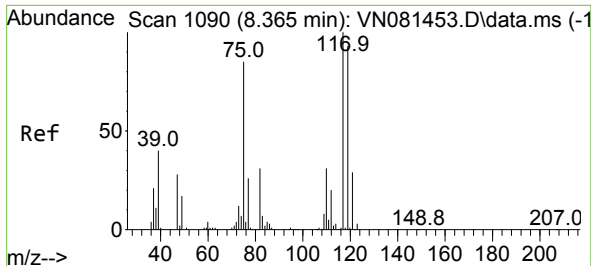
Ion Ratio Lower Upper

43 100

61 1.0 10.6 15.8#

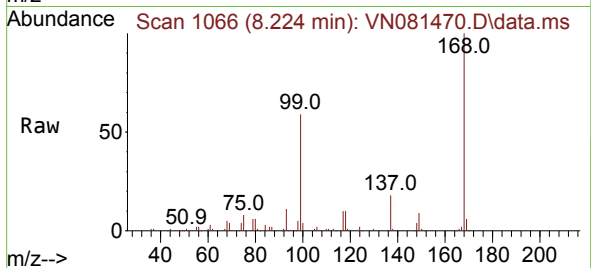
70 0.0 8.0 12.0#



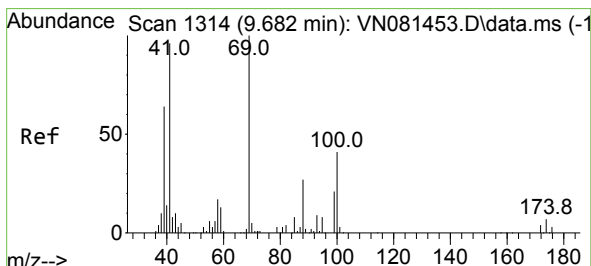
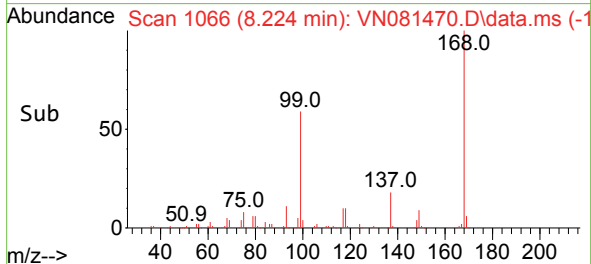
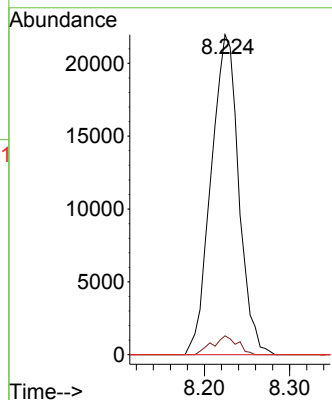


#38
Carbon Tetrachloride
Concen: 5.393 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :
1349

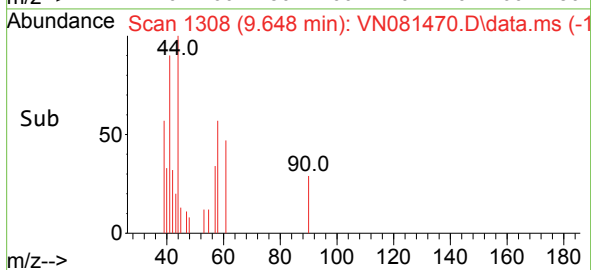
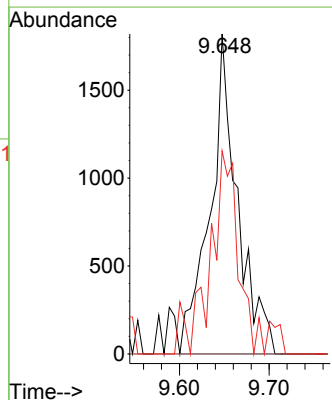
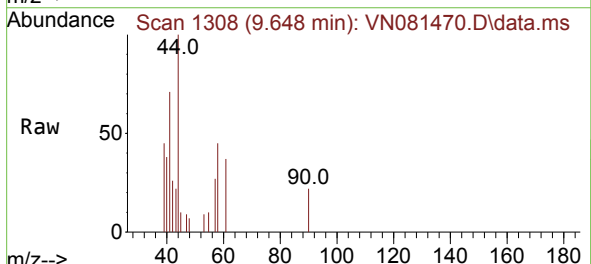


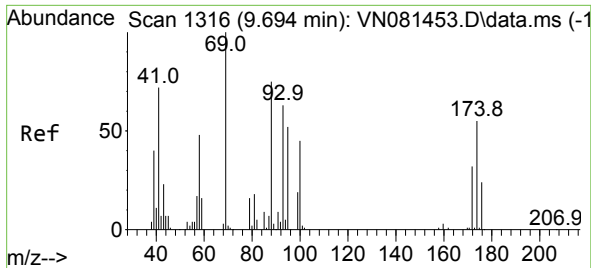
Tgt Ion:117 Resp: 49537
Ion Ratio Lower Upper
117 100
119 5.9 73.4 110.2#
121 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 0.704 ug/l
RT: 9.648 min Scan# 1308
Delta R.T. -0.035 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 41 Resp: 3864
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 61.3 47.6 71.4





#49

1,4-Dioxane

Concen: 0.887 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN081470.D

Acq: 19 Mar 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :

1349

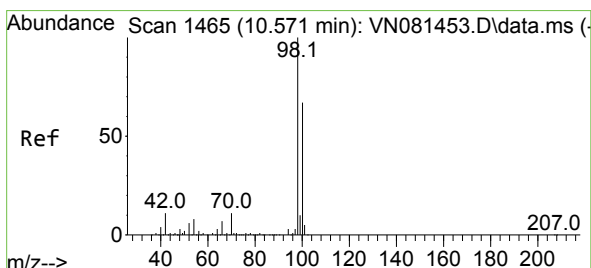
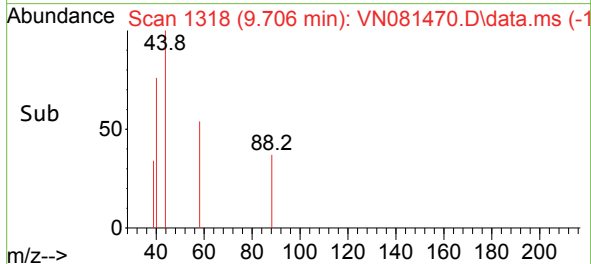
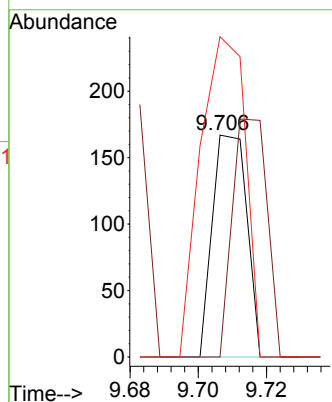
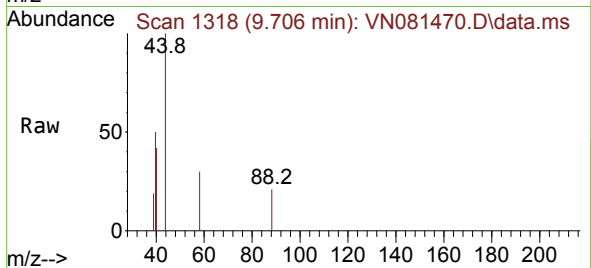
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 107.7 30.1 45.1#

58 188.9 63.9 95.9#



#50

Toluene-d8

Concen: 51.175 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.005 min

Lab File: VN081470.D

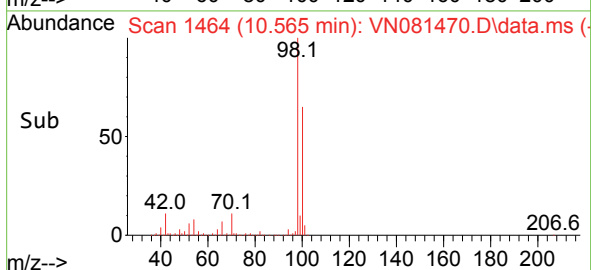
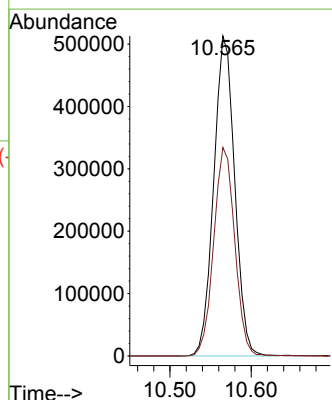
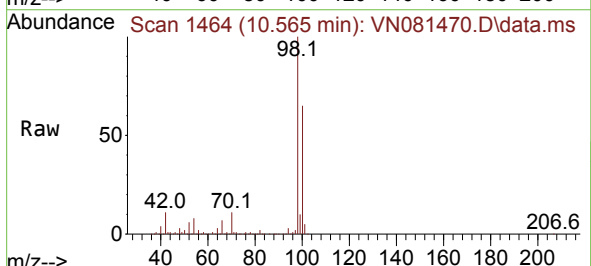
Acq: 19 Mar 2024 14:58

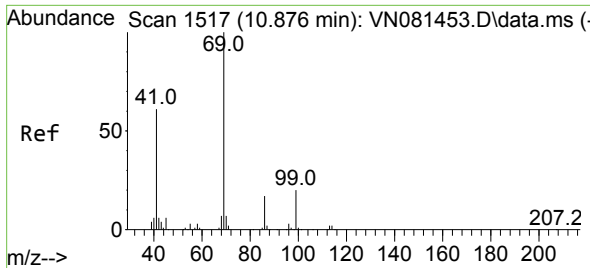
Tgt Ion: 98 Resp: 921735

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

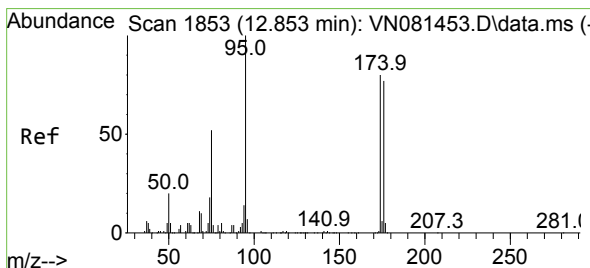
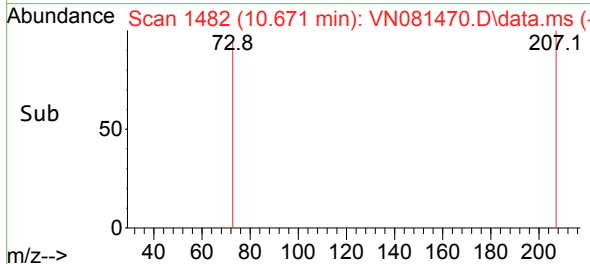
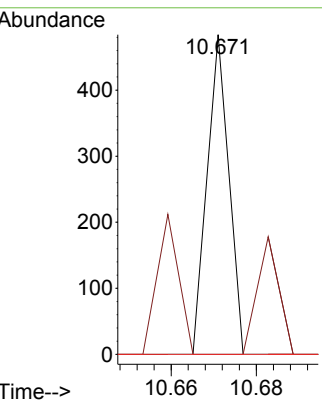
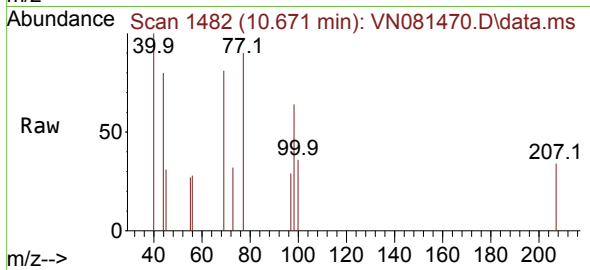




#56
Ethyl methacrylate
Concen: 0.590 ug/l
RT: 10.671 min Scan# 14
Delta R.T. -0.205 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

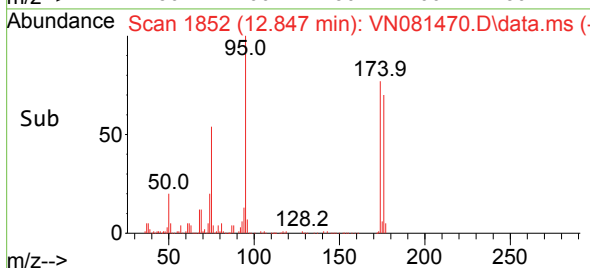
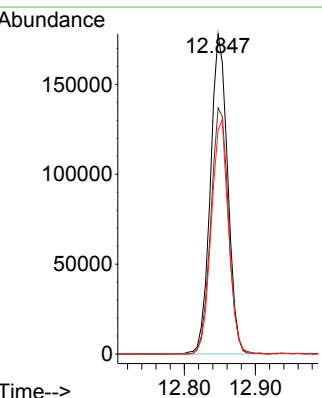
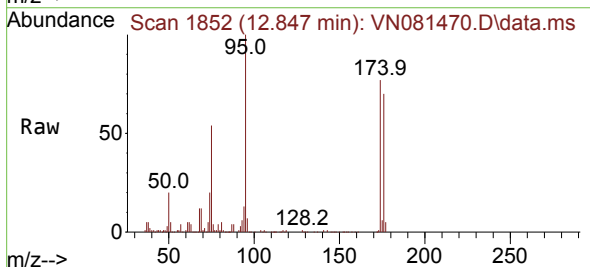
Instrument :
MSVOA_N
ClientSampleId :
1349

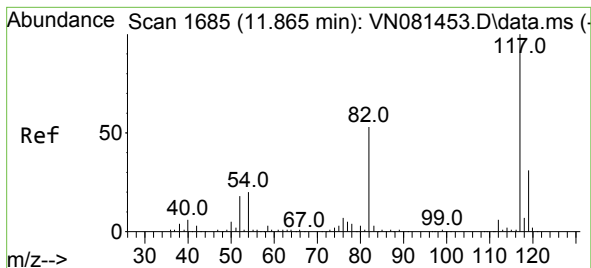
Tgt Ion: 69 Resp: 171
Ion Ratio Lower Upper
69 100
41 36.8 61.0 91.6#
39 0.0 31.8 47.6#



#62
4-Bromofluorobenzene
Concen: 47.062 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.005 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 95 Resp: 298682
Ion Ratio Lower Upper
95 100
174 78.7 0.0 120.4
176 73.2 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081470.D

Acq: 19 Mar 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :

1349

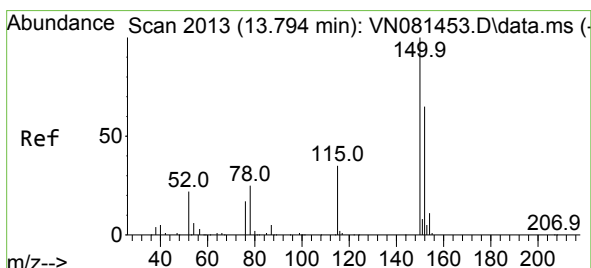
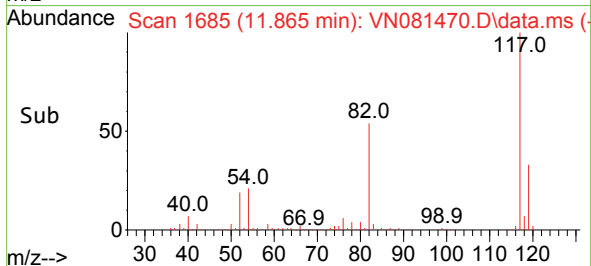
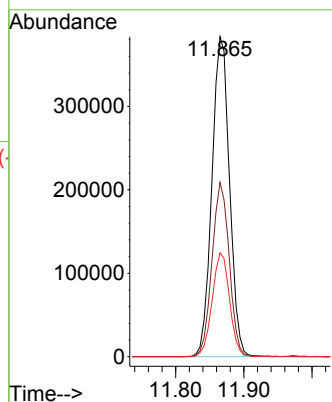
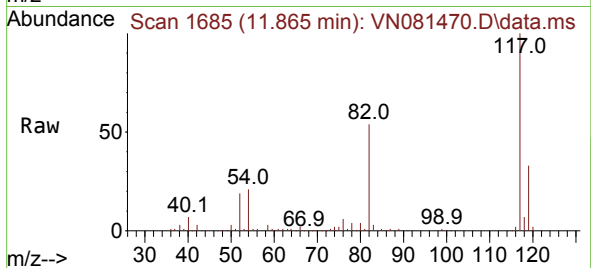
Tgt Ion:117 Resp: 689149

Ion Ratio Lower Upper

117 100

82 54.4 52.7 79.1

119 32.5 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081470.D

Acq: 19 Mar 2024 14:58

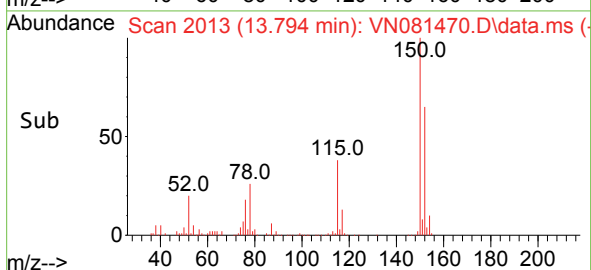
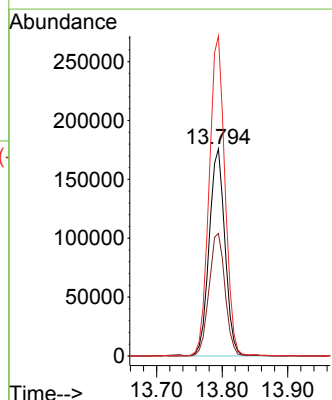
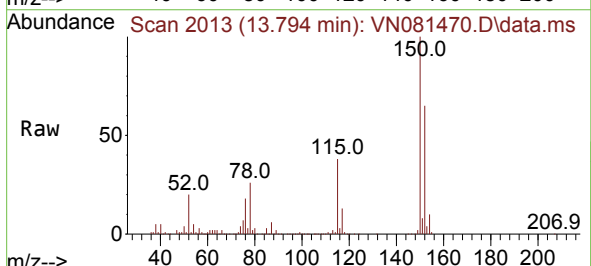
Tgt Ion:152 Resp: 294907

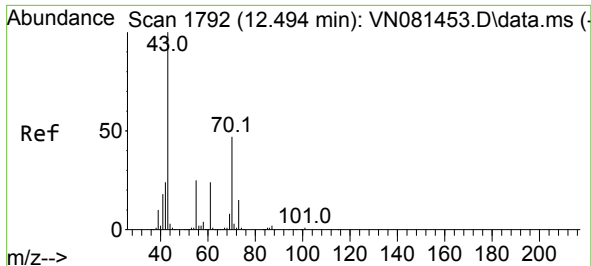
Ion Ratio Lower Upper

152 100

115 60.1 32.3 96.8

150 154.5 0.0 339.8

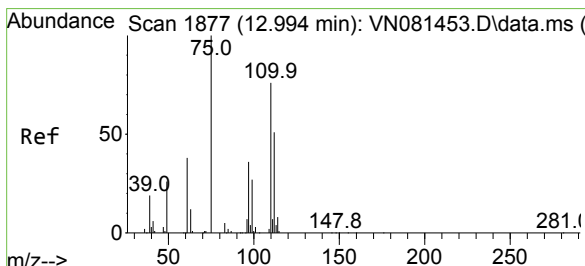
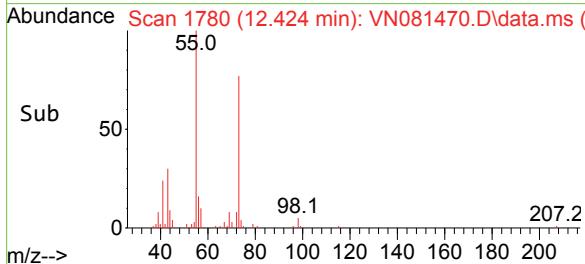
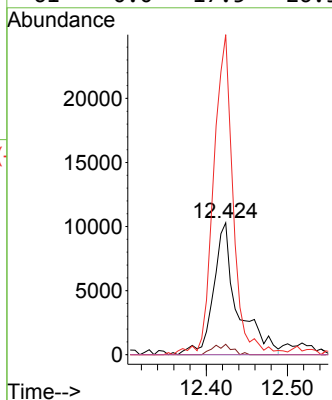
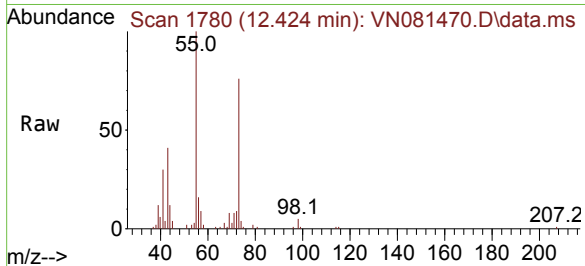




#74
N-amy1 acetate
Concen: 2.317 ug/l
RT: 12.424 min Scan# 1
Delta R.T. -0.070 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

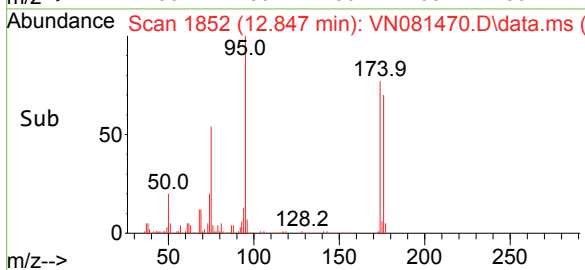
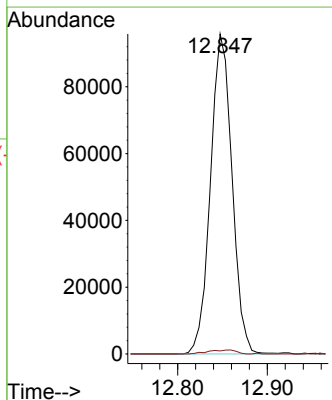
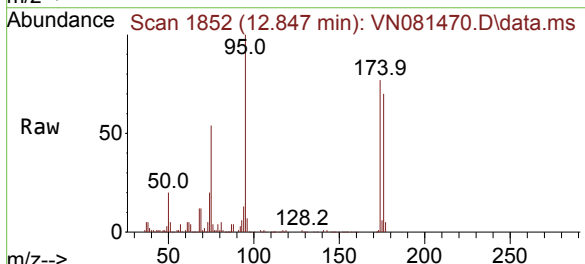
Instrument :
MSVOA_N
ClientSampleId :
1349

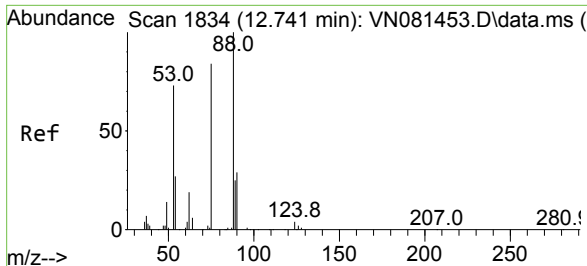
Tgt Ion: 43	Resp: 21080
Ion Ratio	Lower Upper
43 100	
70 6.3	30.1 45.1#
55 200.3	17.0 25.4#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 22.668 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 75	Resp: 159908
Ion Ratio	Lower Upper
75 100	
77 1.6	91.0 272.8#

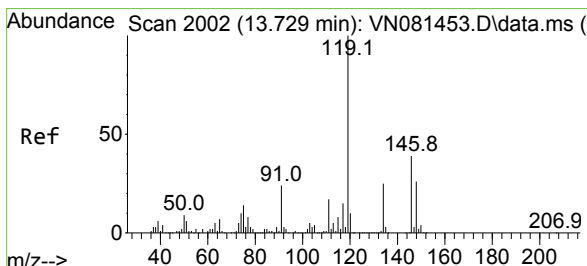
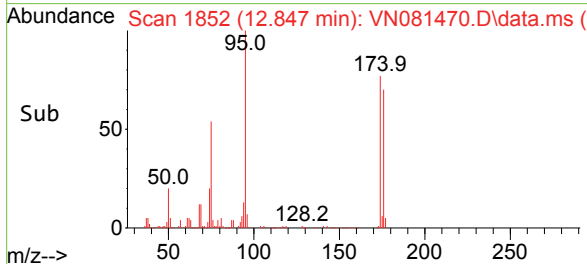
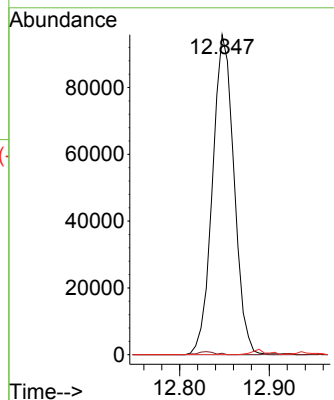
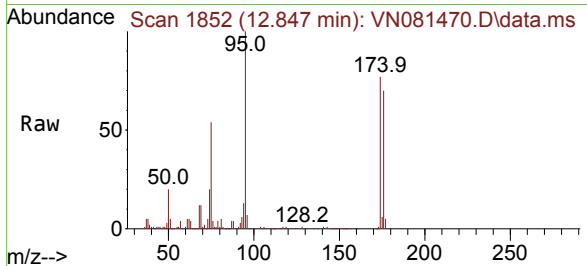




#81
trans-1,4-Dichloro-2-butene
Concen: 61.257 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :
1349

Tgt Ion: 75 Resp: 159908
Ion Ratio Lower Upper
75 100
53 0.8 71.4 107.2#
89 0.0 33.4 50.0#



#86
p-Isopropyltoluene
Concen: 0.540 ug/l
RT: 13.730 min Scan# 2002
Delta R.T. 0.001 min
Lab File: VN081470.D
Acq: 19 Mar 2024 14:58

Tgt Ion: 119 Resp: 11288
Ion Ratio Lower Upper
119 100
134 25.3 12.4 37.2
91 32.4 13.5 40.4

