

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081717.D
 Acq On : 12 Apr 2024 14:56
 Operator : JC\MD
 Sample : PB160181ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:56:49 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)

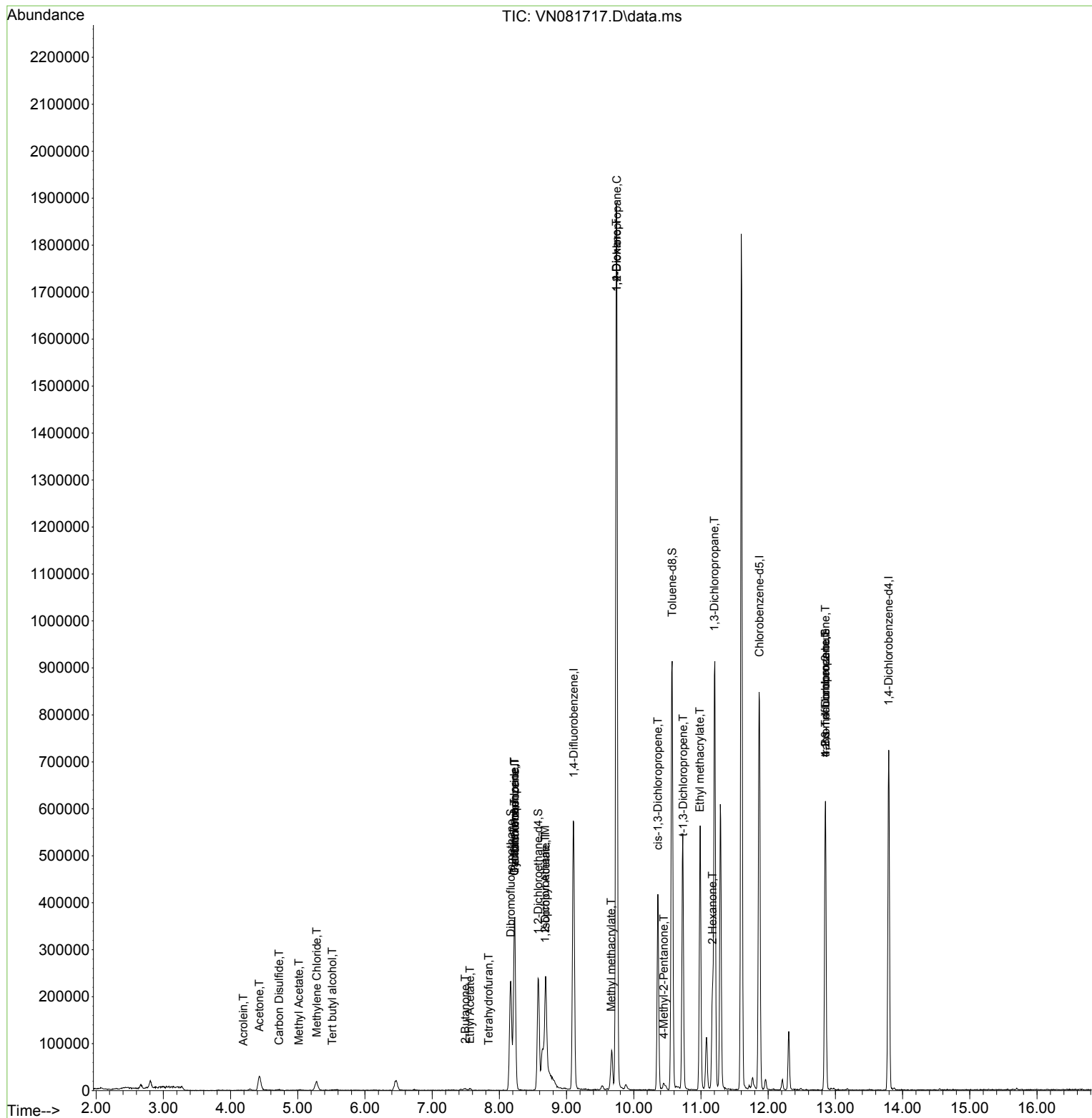
Internal Standards						
1) Pentafluorobenzene	8.230	168	255964	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	498626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	506950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	193587	59.306	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.620%			
35) Dibromofluoromethane	8.171	113	166857	53.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	10.571	98	643433	56.563	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.120%#			
62) 4-Bromofluorobenzene	12.853	95	207322	51.724	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.440%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.512	59	456	0.802	ug/l	# 72
13) Acrolein	4.189	56	170	0.333	ug/l	# 15
16) Acetone	4.430	43	56933	53.969	ug/l	98
17) Carbon Disulfide	4.724	76	2145	0.247	ug/l	# 78
18) Methyl Acetate	5.018	43	935	0.287	ug/l	# 54
20) Methylene Chloride	5.283	84	14297	4.137	ug/l	# 66
25) 2-Butanone	7.494	43	6215	3.435	ug/l	# 70
29) Tetrahydrofuran	7.841	42	546	0.448	ug/l	# 62
31) Cyclohexane	8.224	56	6107	1.150	ug/l	# 14
36) 1,1-Dichloropropene	8.230	75	21667	4.091	ug/l	# 49
37) Ethyl Acetate	7.565	43	5339	1.177	ug/l	# 91
38) Carbon Tetrachloride	8.224	117	29152	5.025	ug/l	# 17
42) 1,2-Dichloroethane	8.683	62	1893	0.347	ug/l	83
43) Isopropyl Acetate	8.688	43	388752	51.718	ug/l	# 77
45) 1,2-Dichloropropane	9.747	63	2900	0.773	ug/l	# 42
48) Methyl methacrylate	9.665	41	5391	1.555	ug/l	# 16
49) 1,4-Dioxane	9.741	88	120	1.440	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	8472	1.847	ug/l	95
53) t-1,3-Dichloropropene	10.735	75	1707	0.284	ug/l	# 73
54) cis-1,3-Dichloropropene	10.359	75	72860	11.296	ug/l	# 65
56) Ethyl methacrylate	10.982	69	2898	1.110	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	10398	1.602	ug/l	# 44
59) 2-Hexanone	11.171	43	157244	46.369	ug/l	# 26
76) 1,2,3-Trichloropropane	12.853	75	111624	24.323	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	111624	65.730	ug/l	# 14

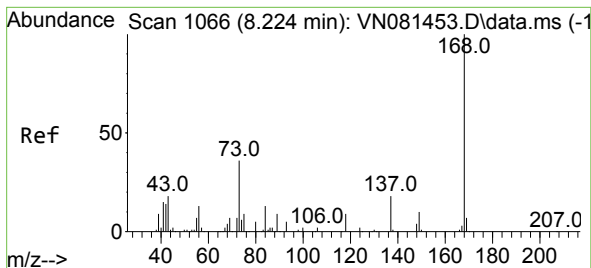
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Instrument :

MSVOA_N

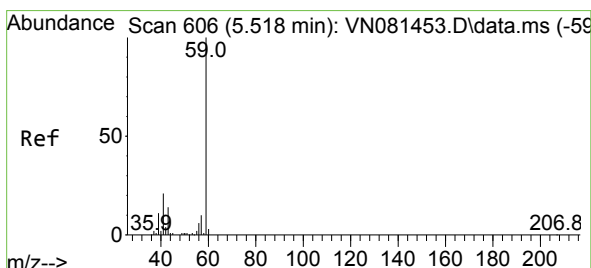
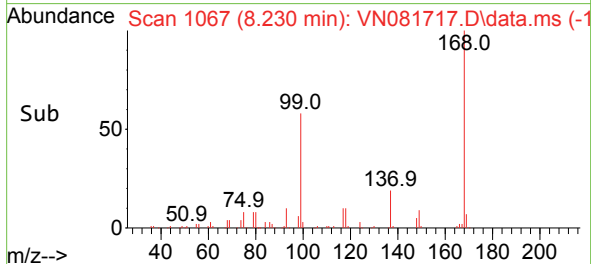
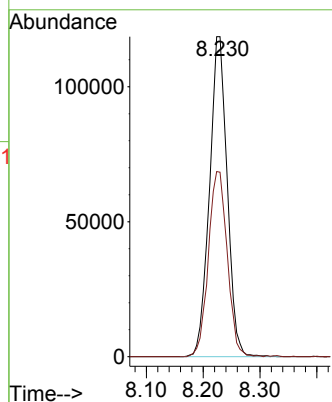
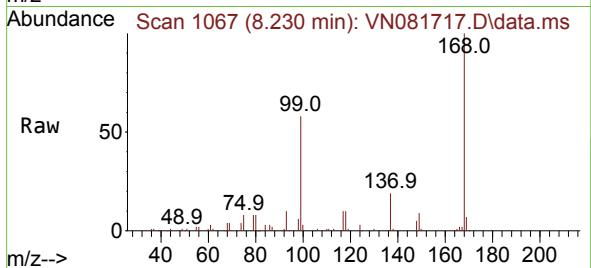
ClientSampleId :

Tgt Ion:168 Resp: 255964

Ion Ratio Lower Upper

168 100

99 57.6 59.9 89.9#



#11

Tert butyl alcohol

Concen: 0.802 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN081717.D

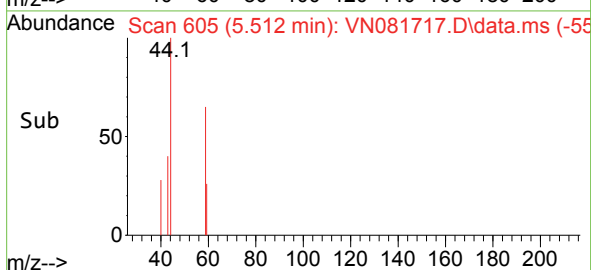
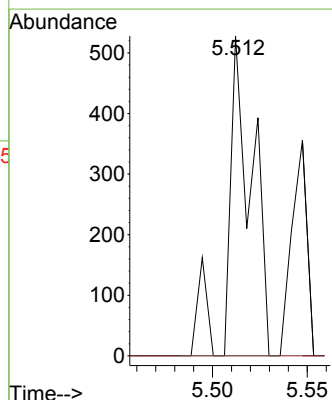
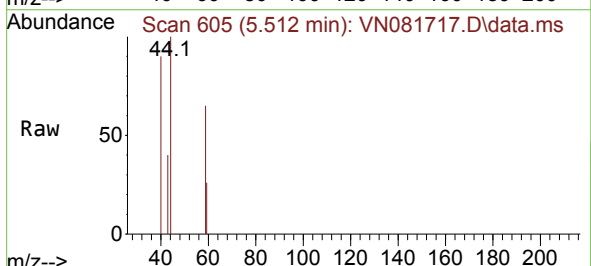
Acq: 12 Apr 2024 14:56

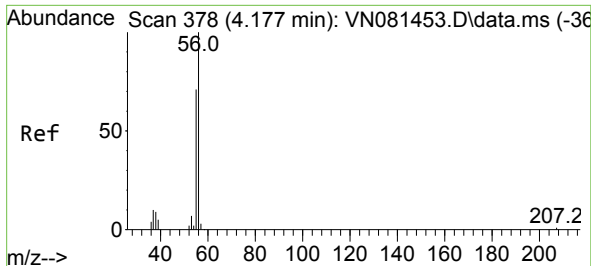
Tgt Ion: 59 Resp: 456

Ion Ratio Lower Upper

59 100

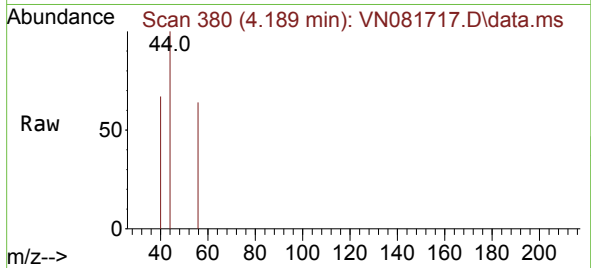
57 0.0 8.6 12.8#



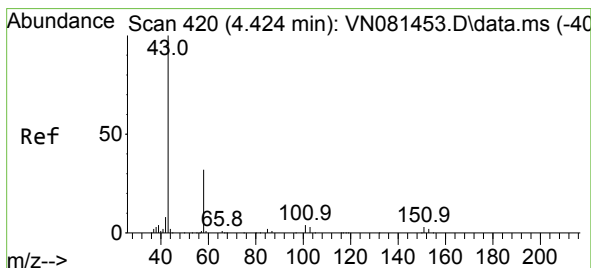
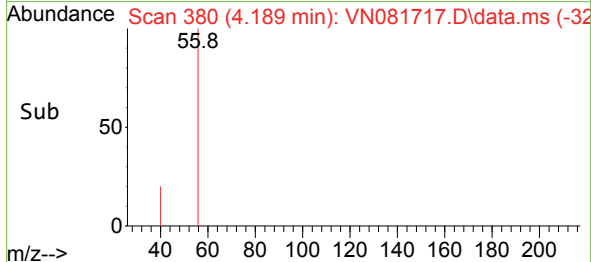
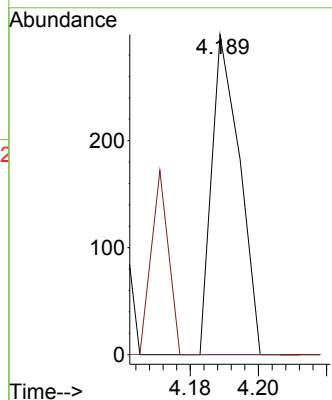


#13
Acrolein
Concen: 0.333 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

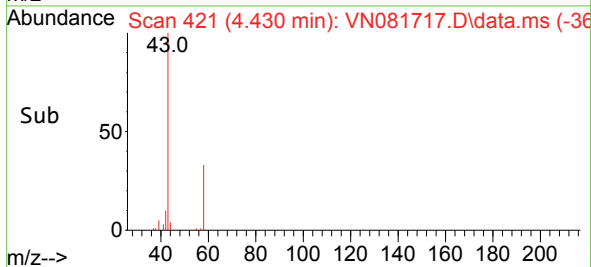
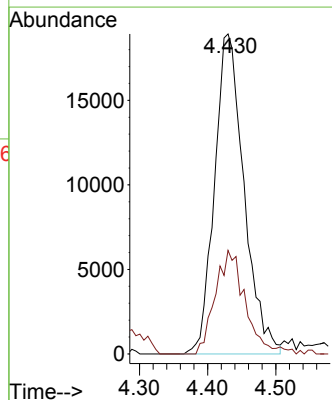
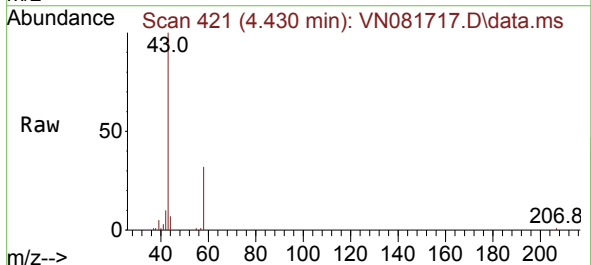


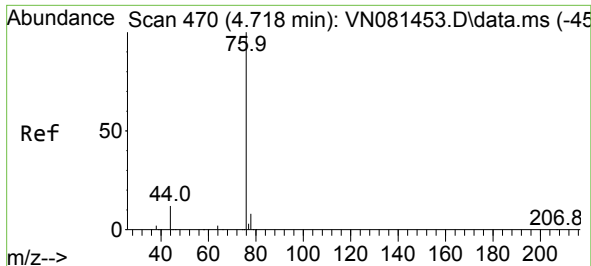
Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 53.969 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Tgt Ion: 43 Resp: 56933
Ion Ratio Lower Upper
43 100
58 32.4 24.8 37.2

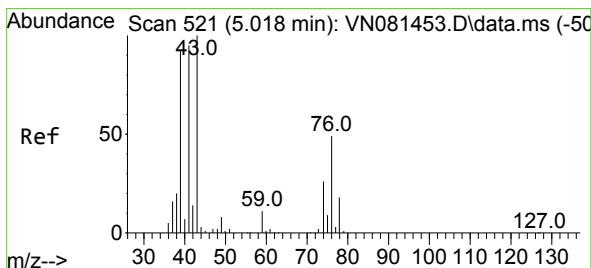
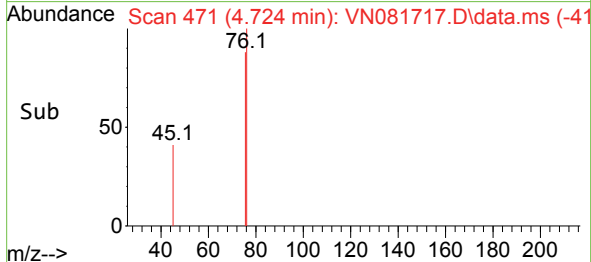
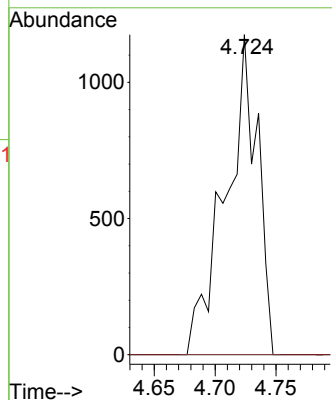
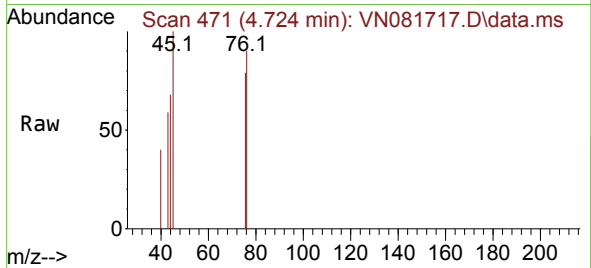




#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

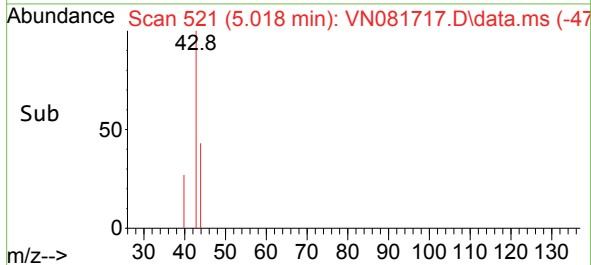
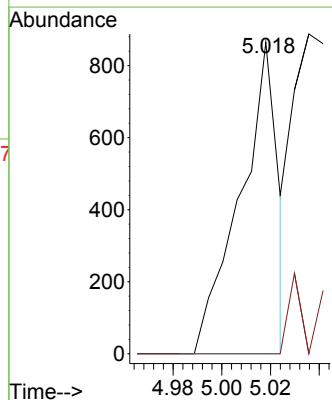
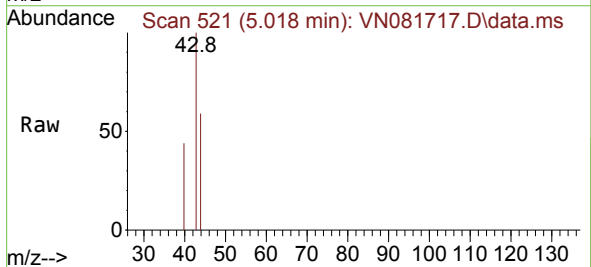
Instrument :
MSVOA_N
ClientSampleId :

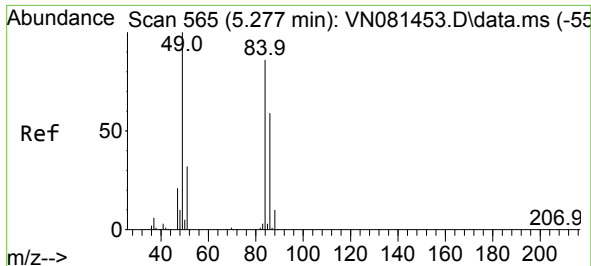
Tgt Ion: 76 Resp: 2145
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: 0.287 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

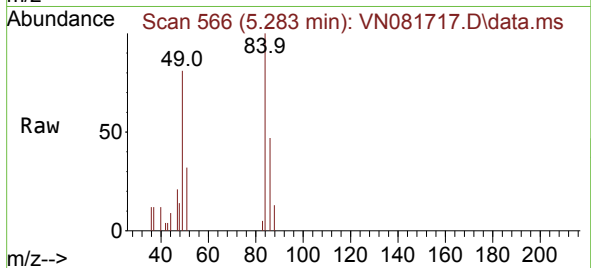
Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



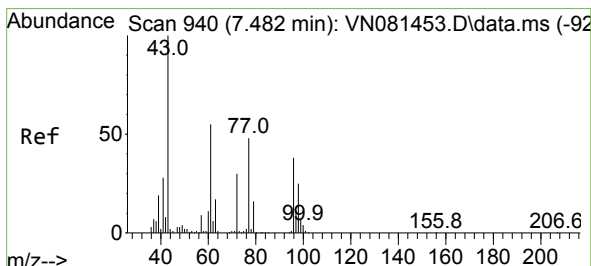
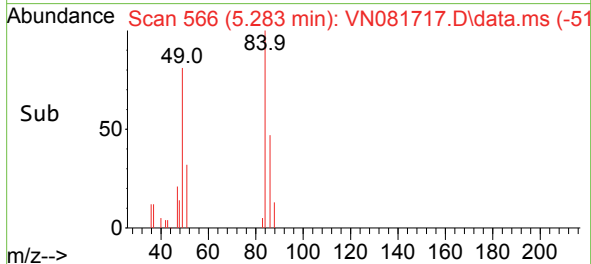
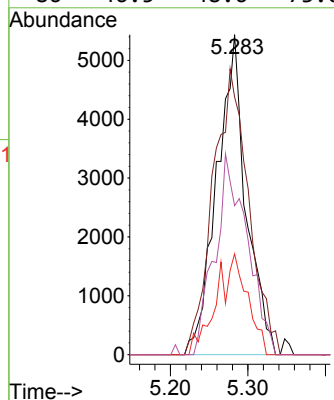


#20
Methylene Chloride
Concen: 4.137 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

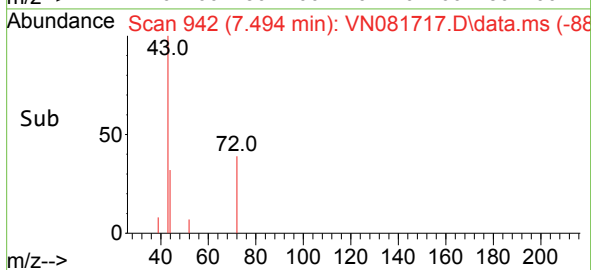
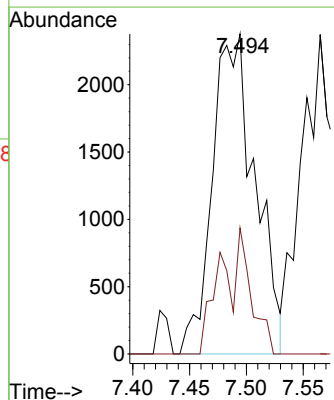
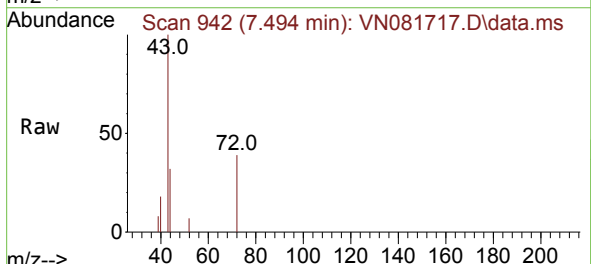


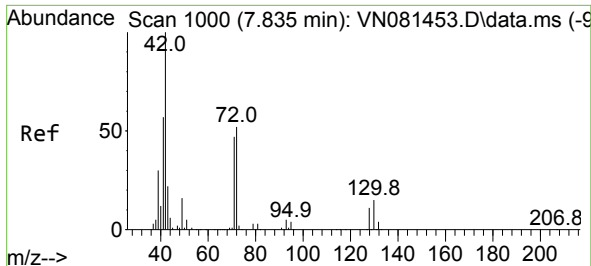
Tgt Ion: 84 Resp: 14297
Ion Ratio Lower Upper
84 100
49 80.5 108.1 162.1#
51 31.5 32.9 49.3#
86 46.5 48.6 73.0#



#25
2-Butanone
Concen: 3.435 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Tgt Ion: 43 Resp: 6215
Ion Ratio Lower Upper
43 100
72 39.4 19.5 29.3#





#29

Tetrahydrofuran

Concen: 0.448 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

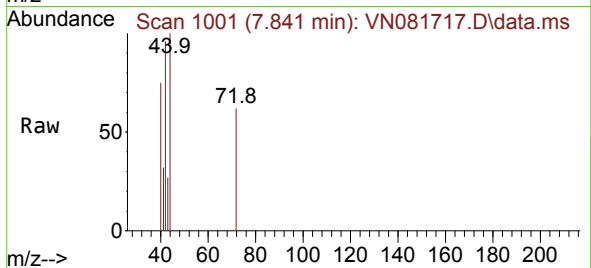
Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

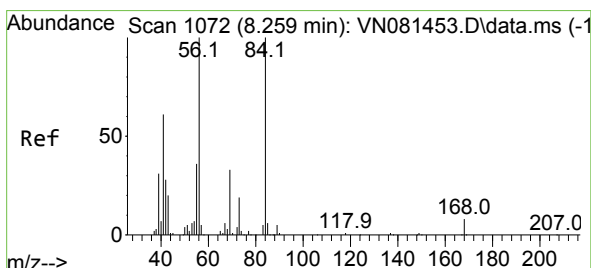
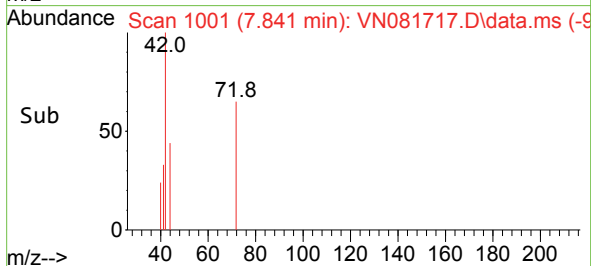
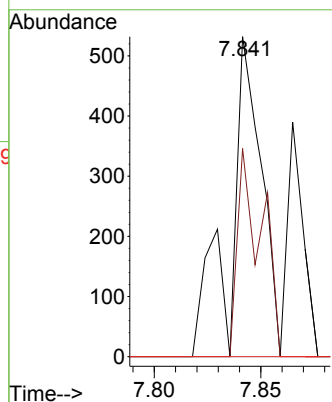
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	546
Ion	Ratio	Lower	Upper
42	100		
72	50.0	31.1	46.7#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.150 ug/l

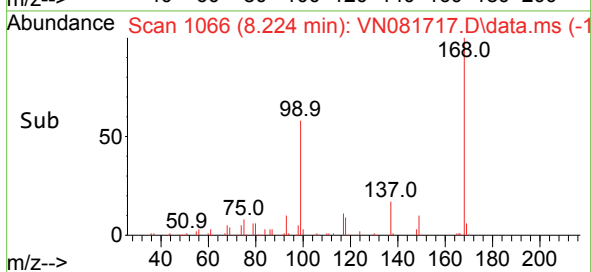
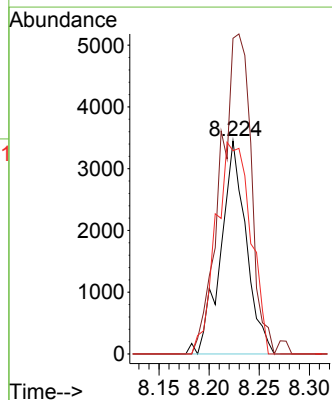
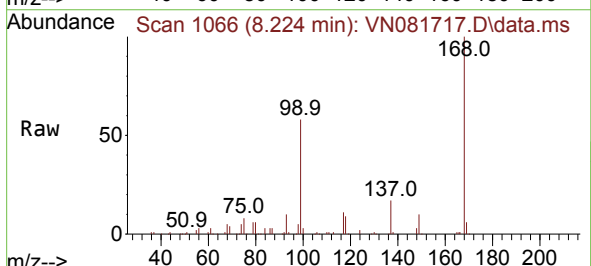
RT: 8.224 min Scan# 1066

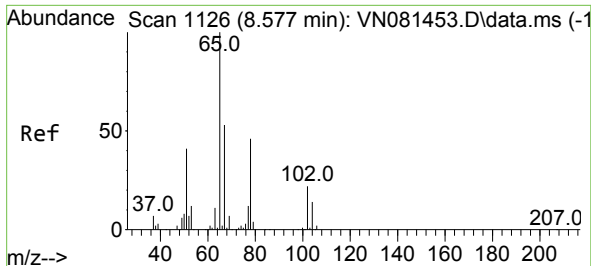
Delta R.T. -0.035 min

Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Tgt Ion:	56	Resp:	6107
Ion	Ratio	Lower	Upper
56	100		
69	148.2	20.1	30.1#
84	95.4	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 59.306 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Instrument :

MSVOA_N

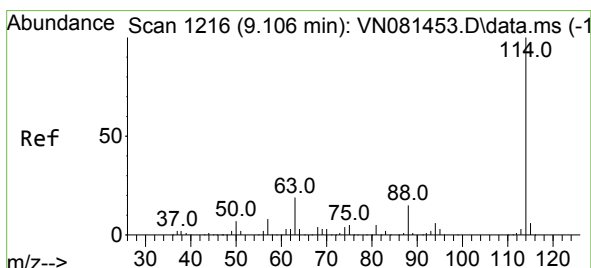
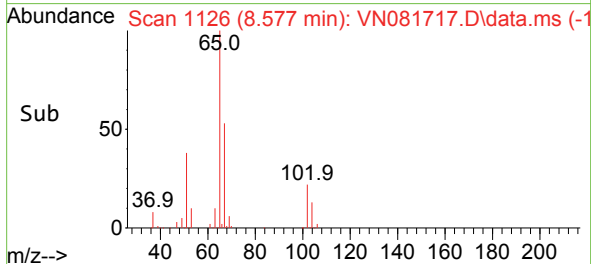
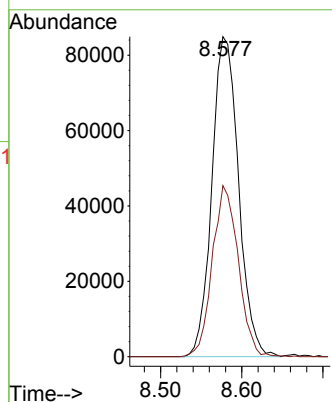
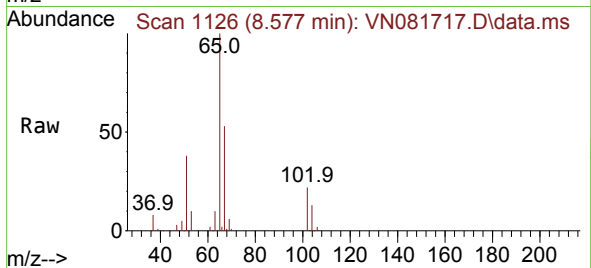
ClientSampleId :

Tgt Ion: 65 Resp: 193587

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

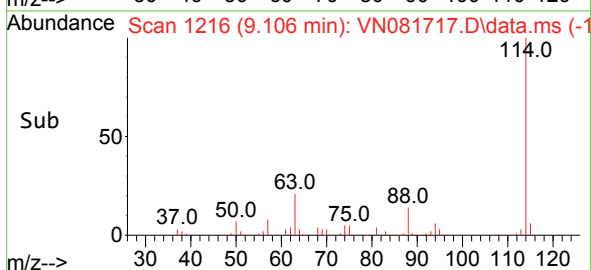
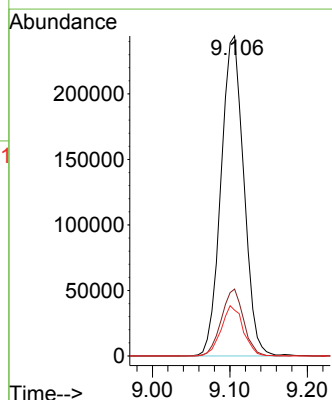
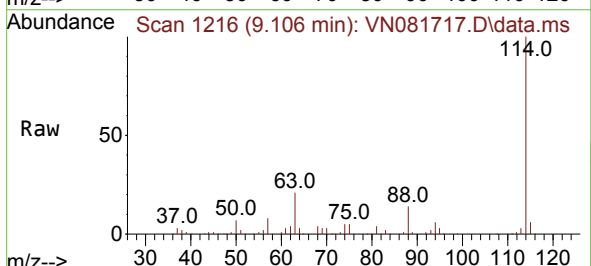
Tgt Ion: 114 Resp: 498626

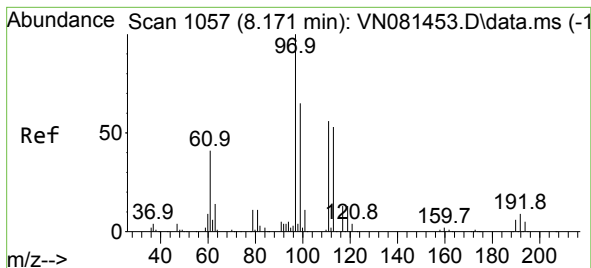
Ion Ratio Lower Upper

114 100

63 20.9 0.0 48.0

88 14.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.024 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

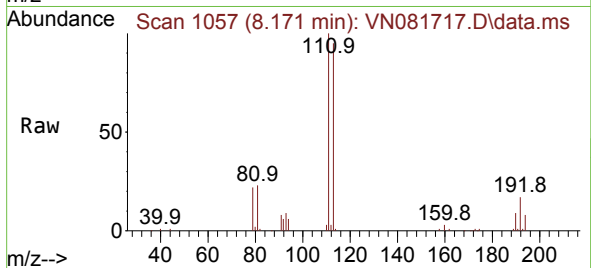
Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :



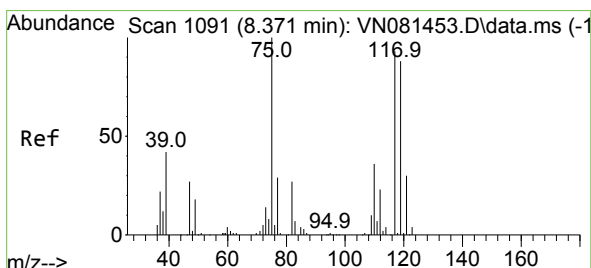
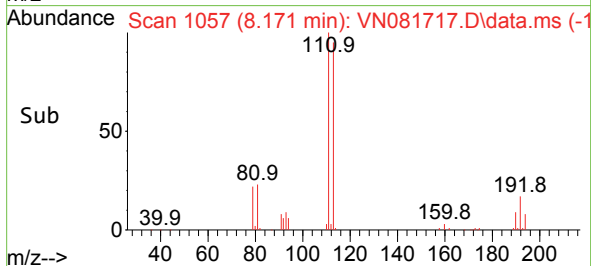
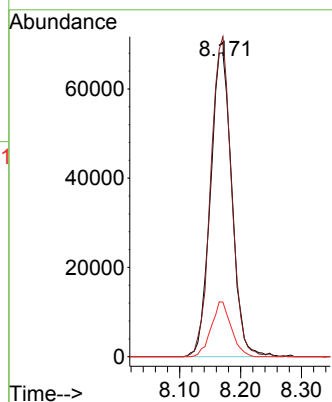
Tgt Ion:113 Resp: 166857

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 16.8 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.091 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

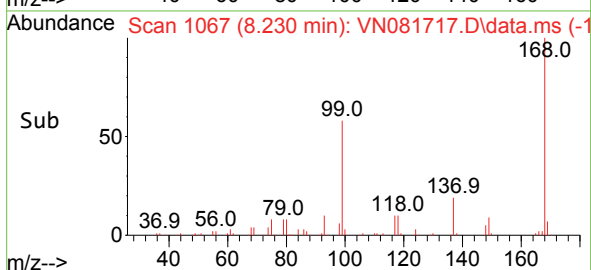
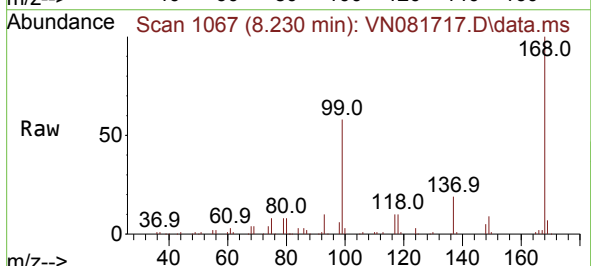
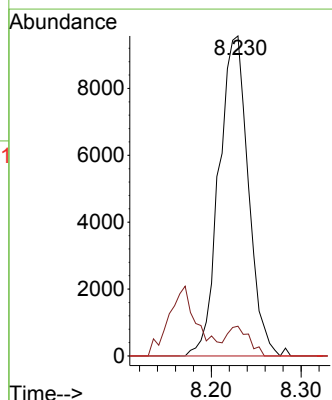
Tgt Ion: 75 Resp: 21667

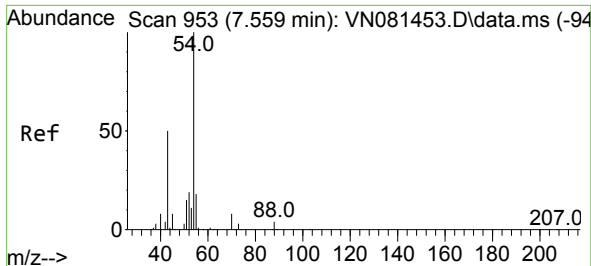
Ion Ratio Lower Upper

75 100

110 6.8 16.0 48.0#

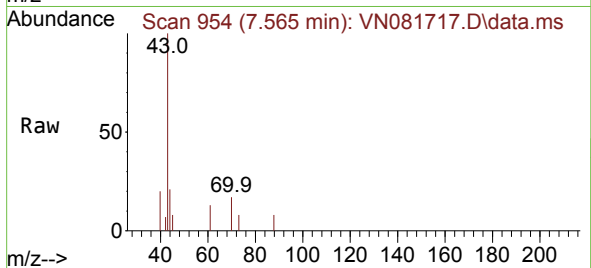
77 0.0 25.8 38.6#



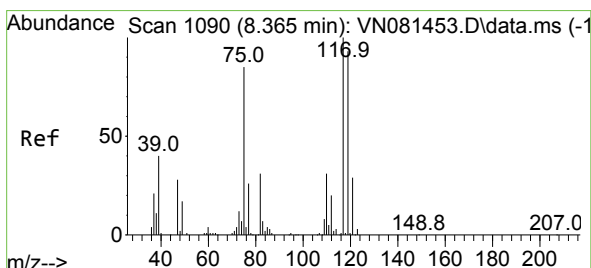
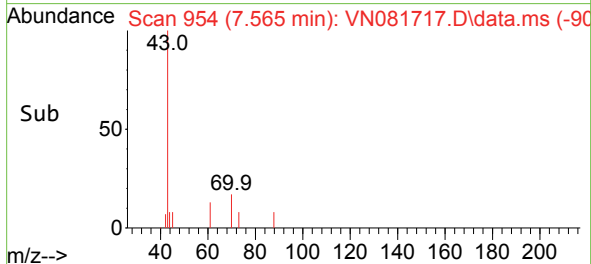
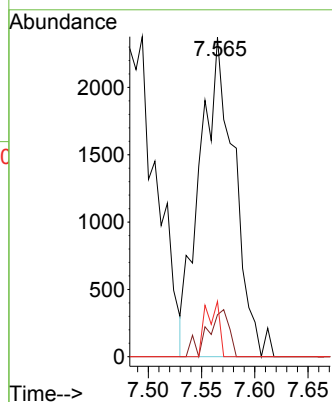


#37
Ethyl Acetate
Concen: 1.177 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

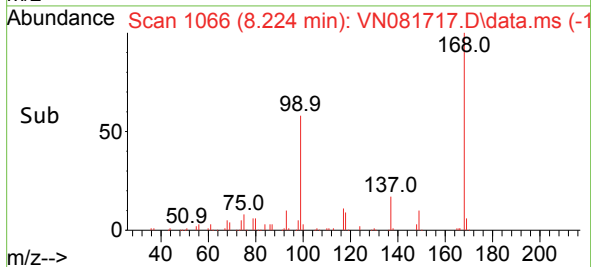
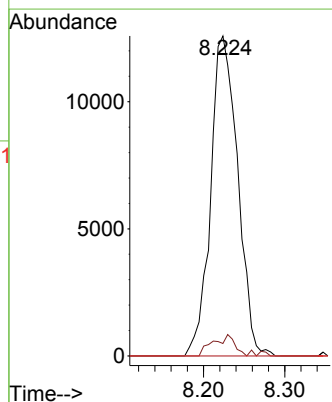
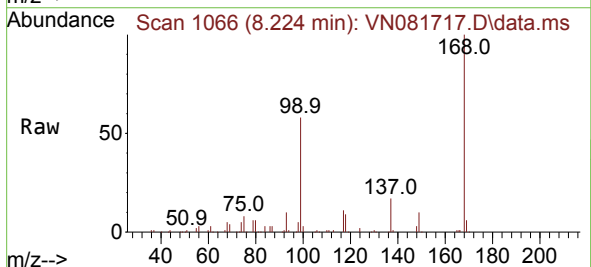


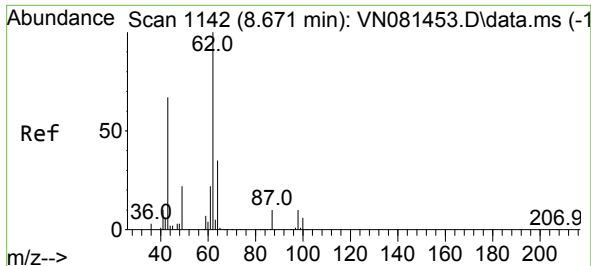
Tgt Ion: 43 Resp: 5339
Ion Ratio Lower Upper
43 100
61 9.3 10.6 15.8#
70 6.8 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.025 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Tgt Ion: 117 Resp: 29152
Ion Ratio Lower Upper
117 100
119 3.9 73.4 110.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.347 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

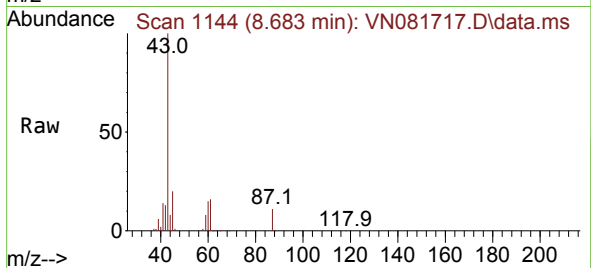
Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :

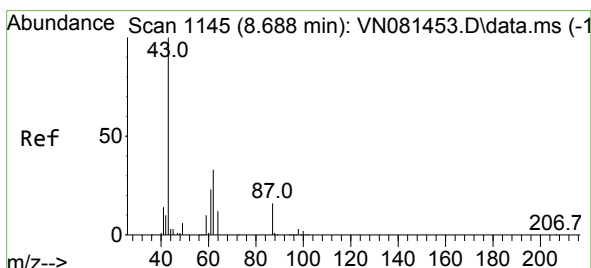
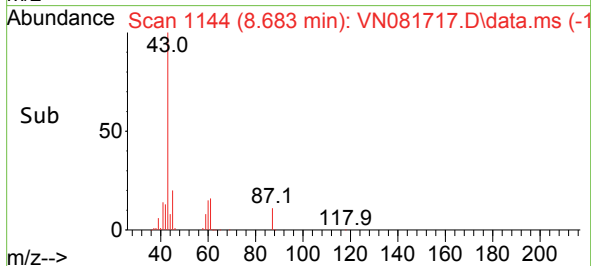
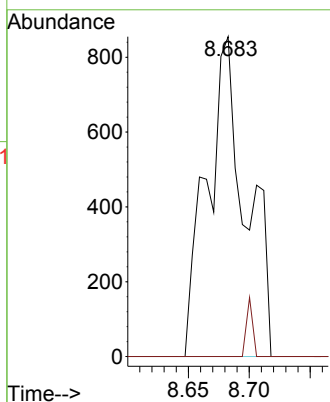


Tgt Ion: 62 Resp: 1893

Ion Ratio Lower Upper

62 100

98 3.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 51.718 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

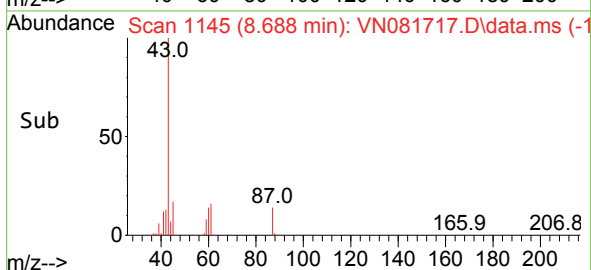
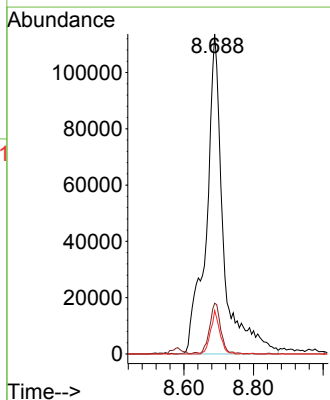
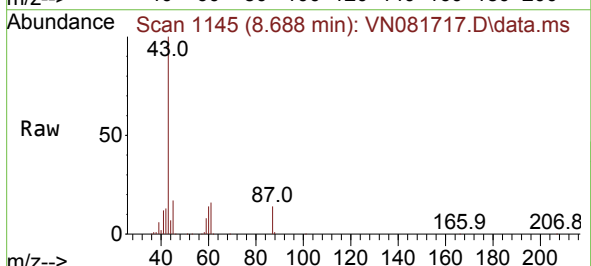
Tgt Ion: 43 Resp: 388752

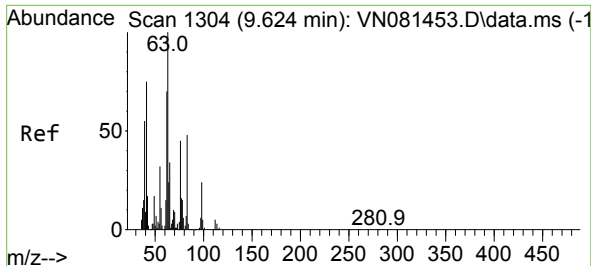
Ion Ratio Lower Upper

43 100

61 10.2 19.9 29.9#

87 7.3 9.0 13.6#

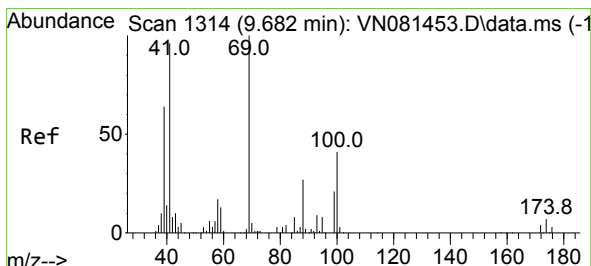
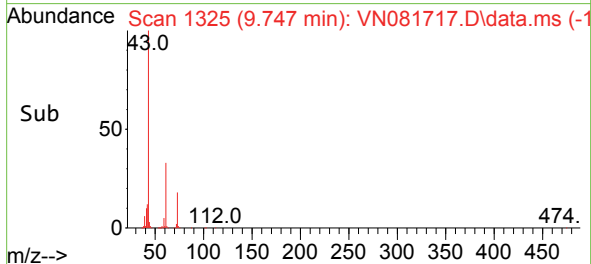
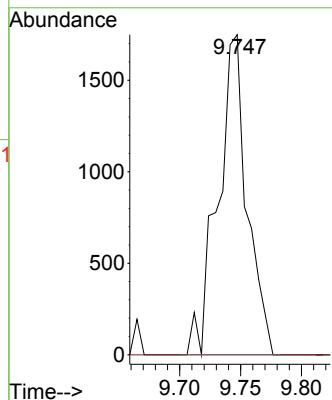
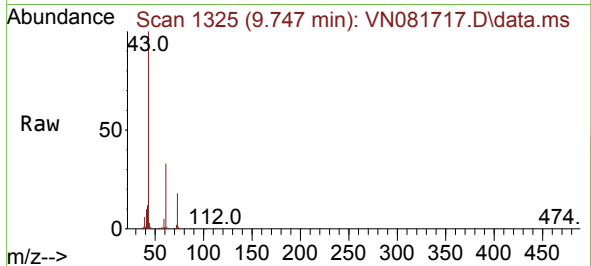




#45
1,2-Dichloropropane
Concen: 0.773 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

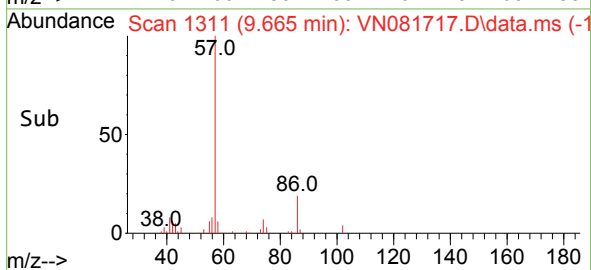
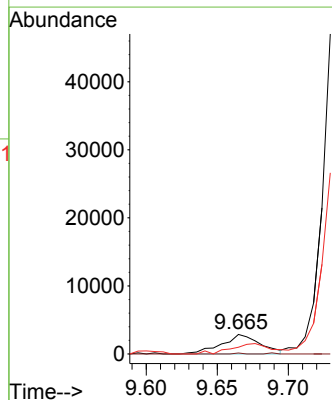
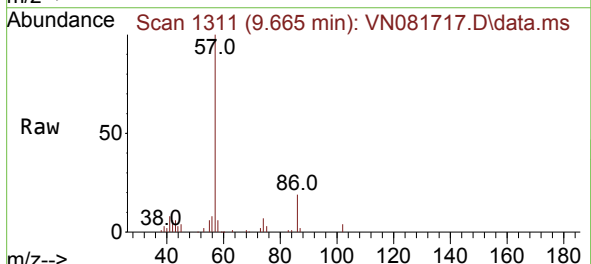
Instrument :
MSVOA_N
ClientSampleId :

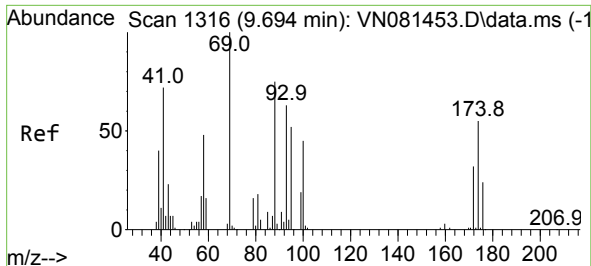
Tgt Ion: 63 Resp: 2900
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.555 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Tgt Ion: 41 Resp: 5391
Ion Ratio Lower Upper
41 100
69 1.0 62.2 93.2#
39 0.0 47.6 71.4#





#49

1,4-Dioxane

Concen: 1.440 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.047 min

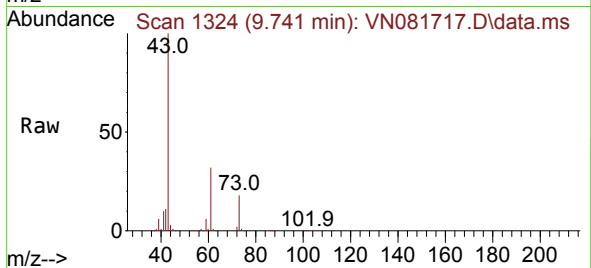
Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :



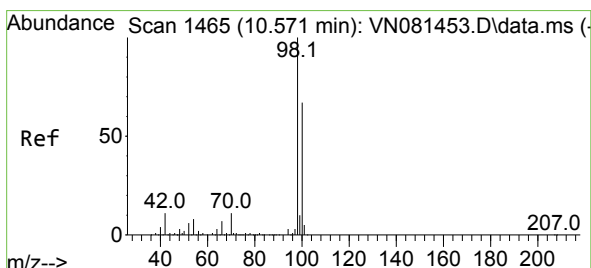
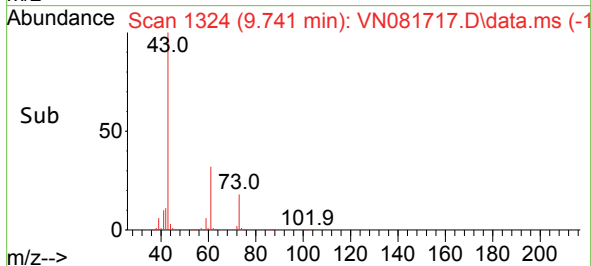
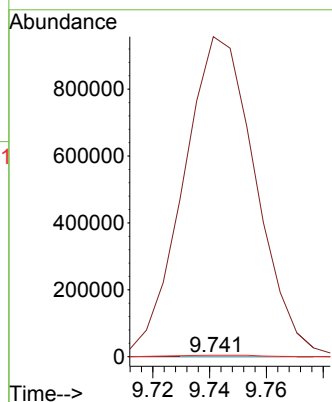
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 1423329.2 30.1 45.1#

58 7958.3 63.9 95.9#



#50

Toluene-d8

Concen: 56.563 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081717.D

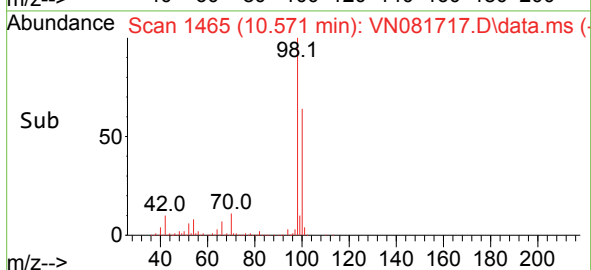
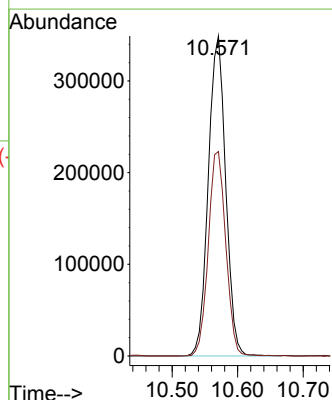
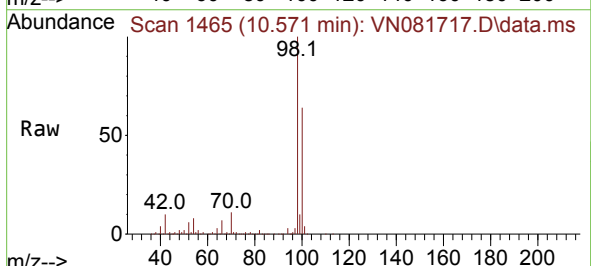
Acq: 12 Apr 2024 14:56

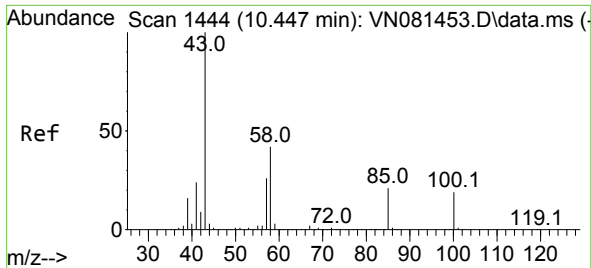
Tgt Ion: 98 Resp: 643433

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0

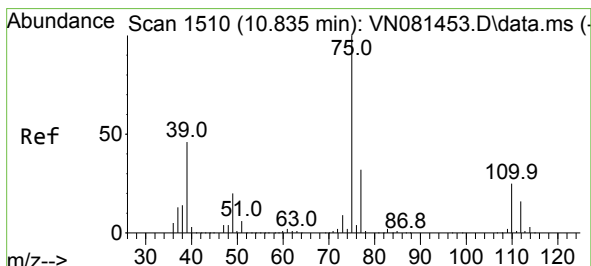
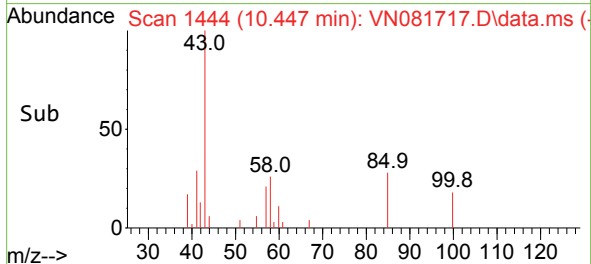
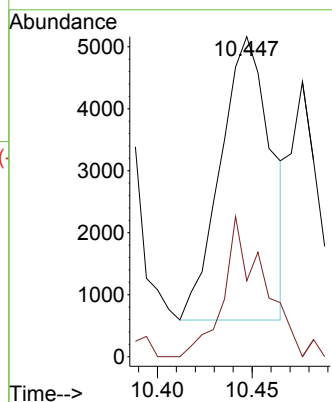
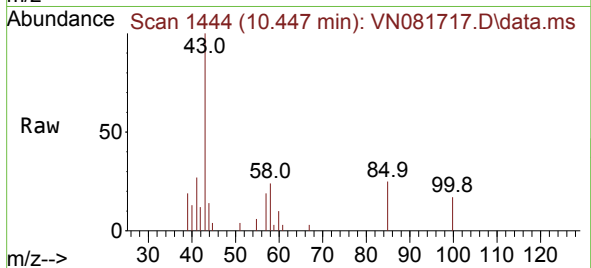




#51
4-Methyl-2-Pentanone
Concen: 1.847 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

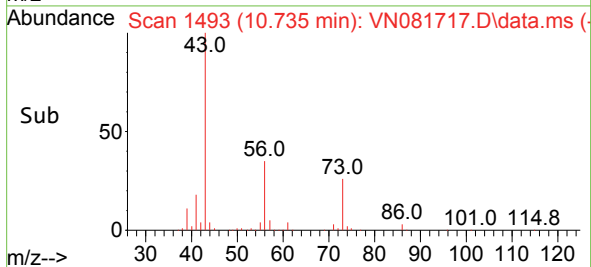
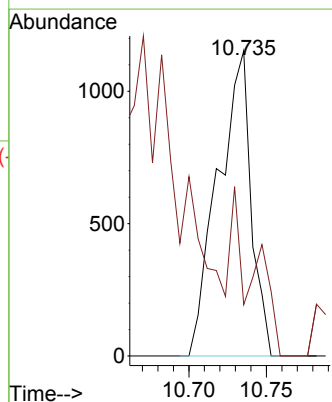
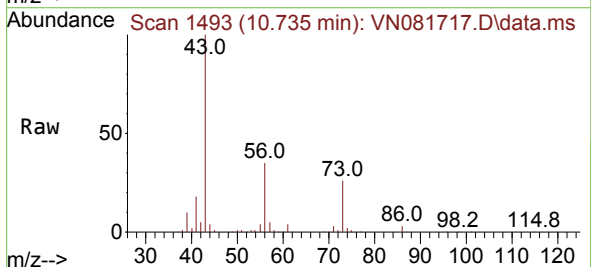
Instrument :
MSVOA_N
ClientSampleId :

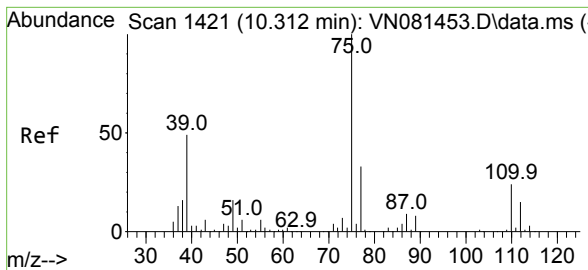
Tgt Ion: 43 Resp: 8472
Ion Ratio Lower Upper
43 100
58 40.0 29.4 44.0



#53
t-1,3-Dichloropropene
Concen: 0.284 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN081717.D
Acq: 12 Apr 2024 14:56

Tgt Ion: 75 Resp: 1707
Ion Ratio Lower Upper
75 100
77 16.8 25.5 38.3#

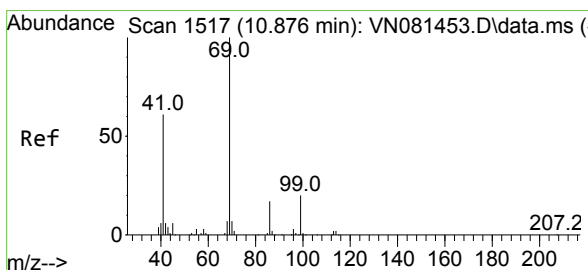
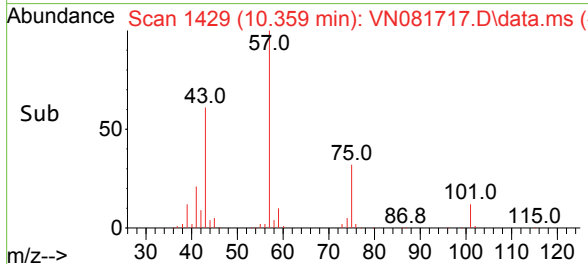
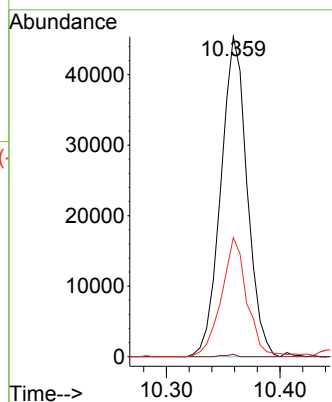
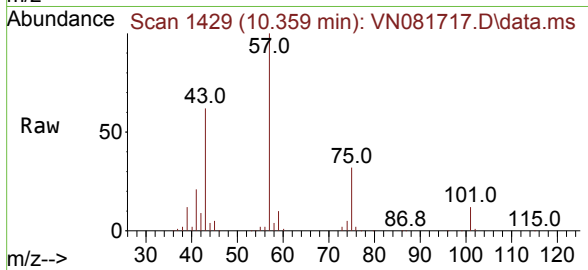




#54
 cis-1,3-Dichloropropene
 Concen: 11.296 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081717.D
 Acq: 12 Apr 2024 14:56

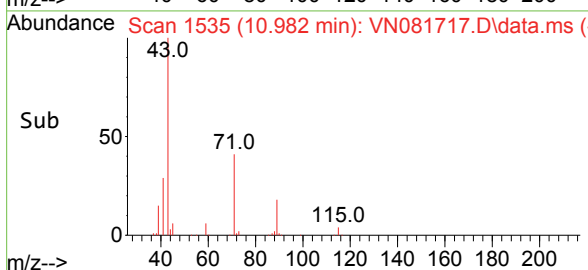
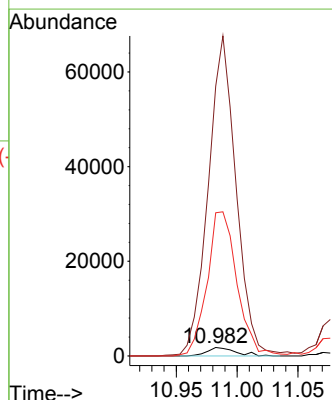
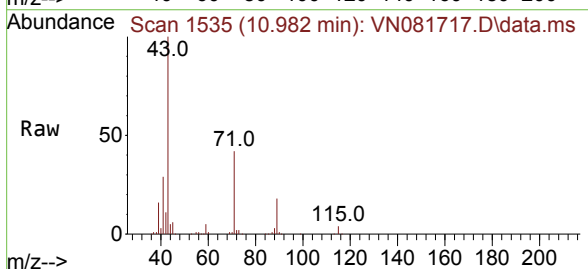
Instrument :
 MSVOA_N
 ClientSampleId :

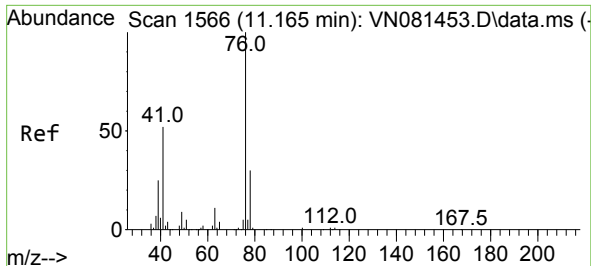
Tgt Ion: 75 Resp: 72860
 Ion Ratio Lower Upper
 75 100
 77 0.7 23.3 34.9#
 39 37.2 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 1.110 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN081717.D
 Acq: 12 Apr 2024 14:56

Tgt Ion: 69 Resp: 2898
 Ion Ratio Lower Upper
 69 100
 41 3732.1 61.0 91.6#
 39 1794.8 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.602 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Instrument :

MSVOA_N

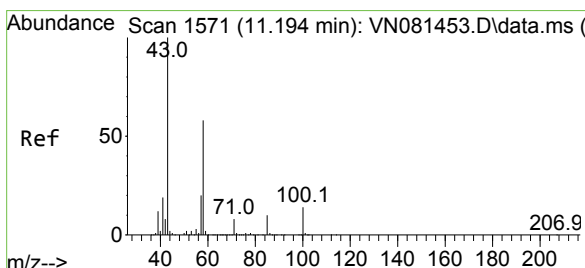
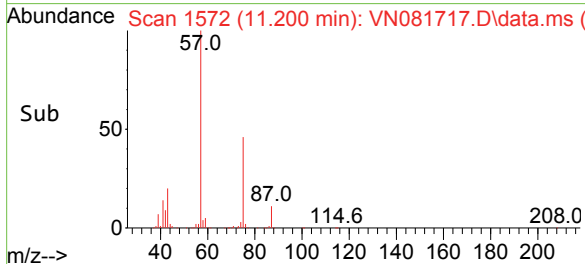
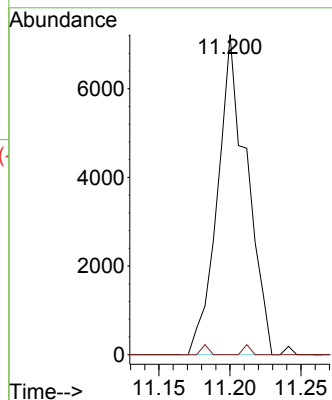
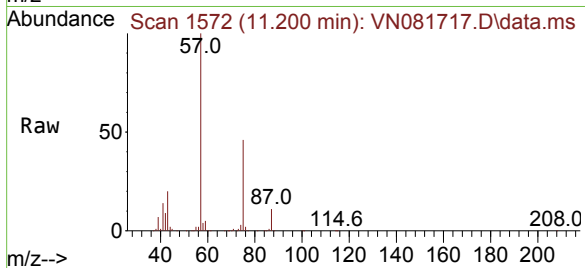
ClientSampleId :

Tgt Ion: 76 Resp: 10398

Ion Ratio Lower Upper

76 100

78 0.8 25.5 38.3#



#59

2-Hexanone

Concen: 46.369 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081717.D

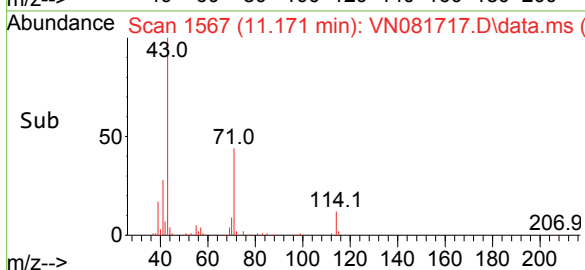
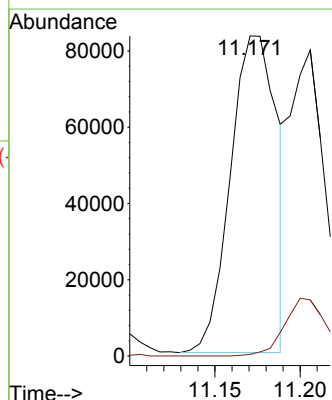
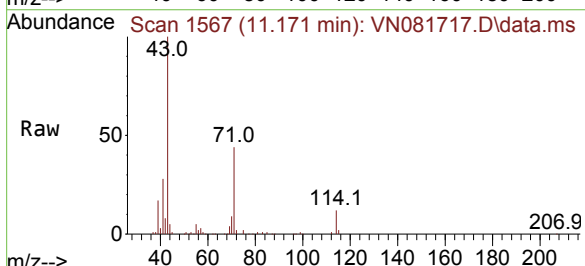
Acq: 12 Apr 2024 14:56

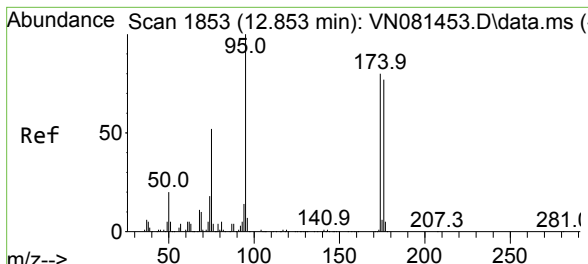
Tgt Ion: 43 Resp: 157244

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

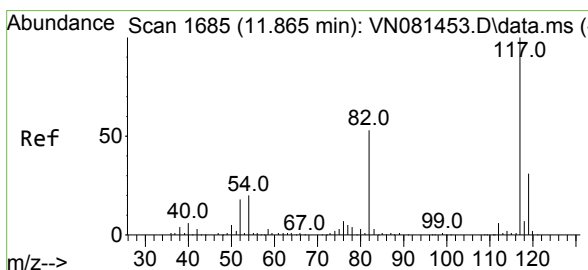
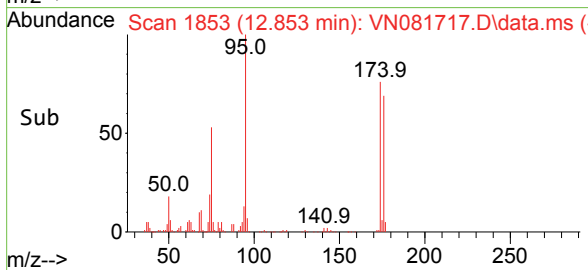
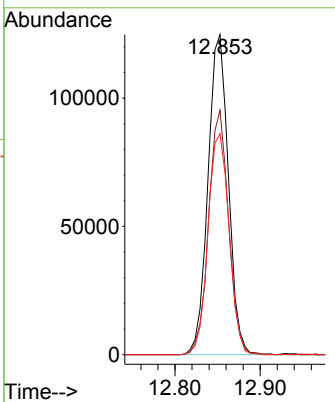
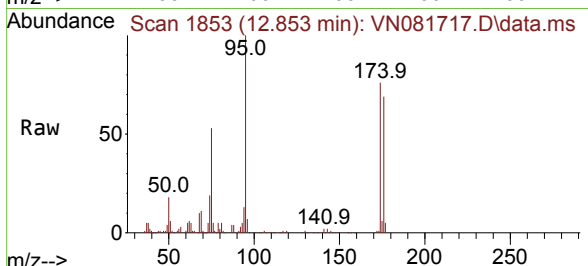




#62
 4-Bromofluorobenzene
 Concen: 51.724 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081717.D
 Acq: 12 Apr 2024 14:56

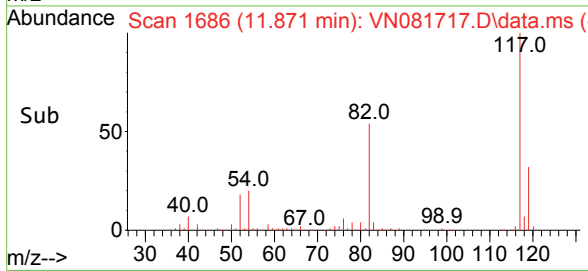
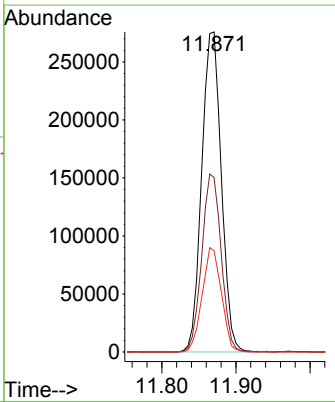
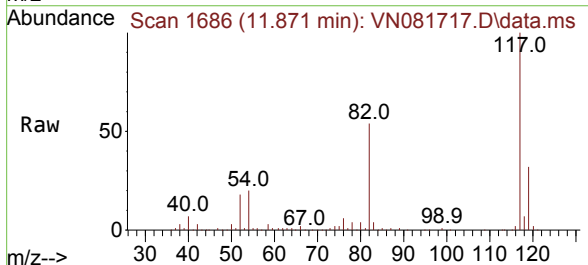
Instrument :
 MSVOA_N
 ClientSampleId :

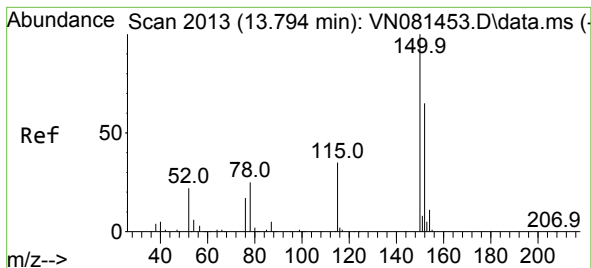
Tgt Ion:	95	Resp:	207322
Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	120.4
176	71.5	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081717.D
 Acq: 12 Apr 2024 14:56

Tgt Ion:	117	Resp:	506950
Ion	Ratio	Lower	Upper
117	100		
82	54.5	52.7	79.1
119	31.6	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

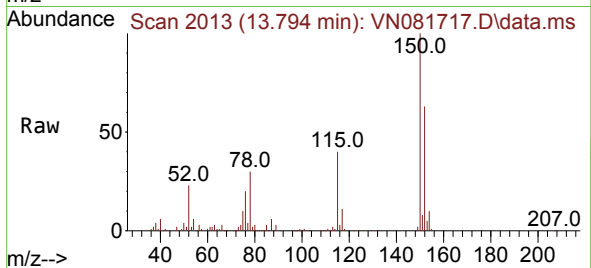
Lab File: VN081717.D

Acq: 12 Apr 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :



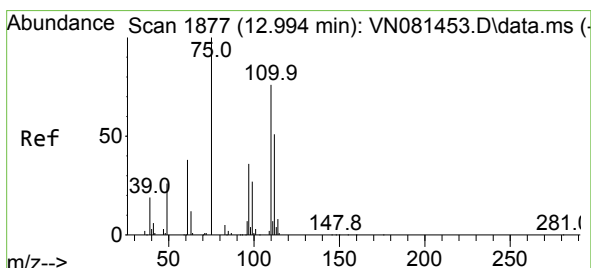
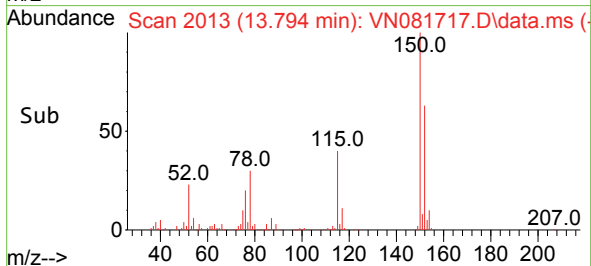
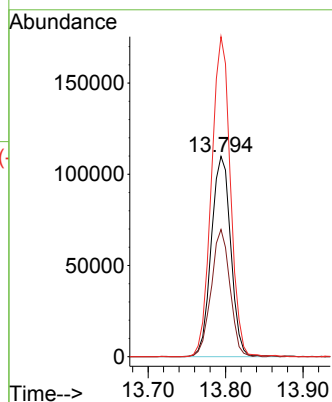
Tgt Ion:152 Resp: 191851

Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 155.6 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 24.323 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081717.D

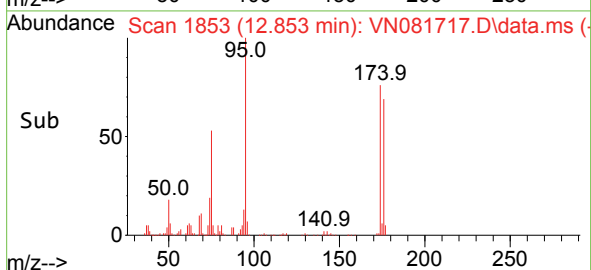
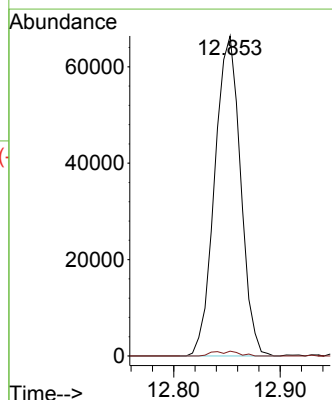
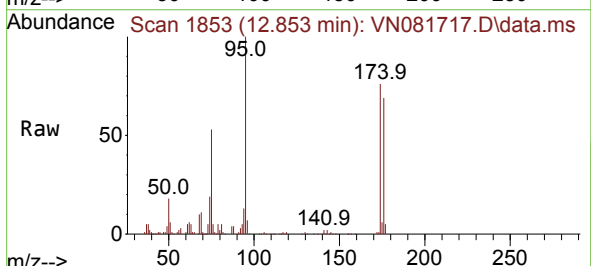
Acq: 12 Apr 2024 14:56

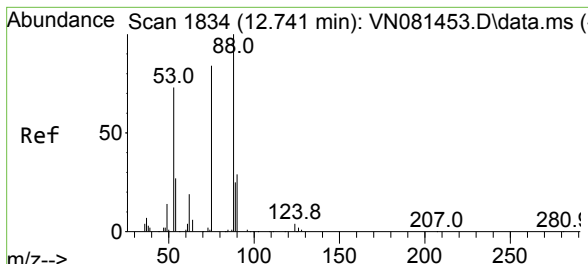
Tgt Ion: 75 Resp: 111624

Ion Ratio Lower Upper

75 100

77 0.8 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.730 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081717.D
 Acq: 12 Apr 2024 14:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 111624

Ion	Ratio	Lower	Upper
75	100		
53	0.4	71.4	107.2#
89	0.0	33.4	50.0#

