

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081719.D
 Acq On : 12 Apr 2024 15:44
 Operator : JC\MD
 Sample : PB160181ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:57:40 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)

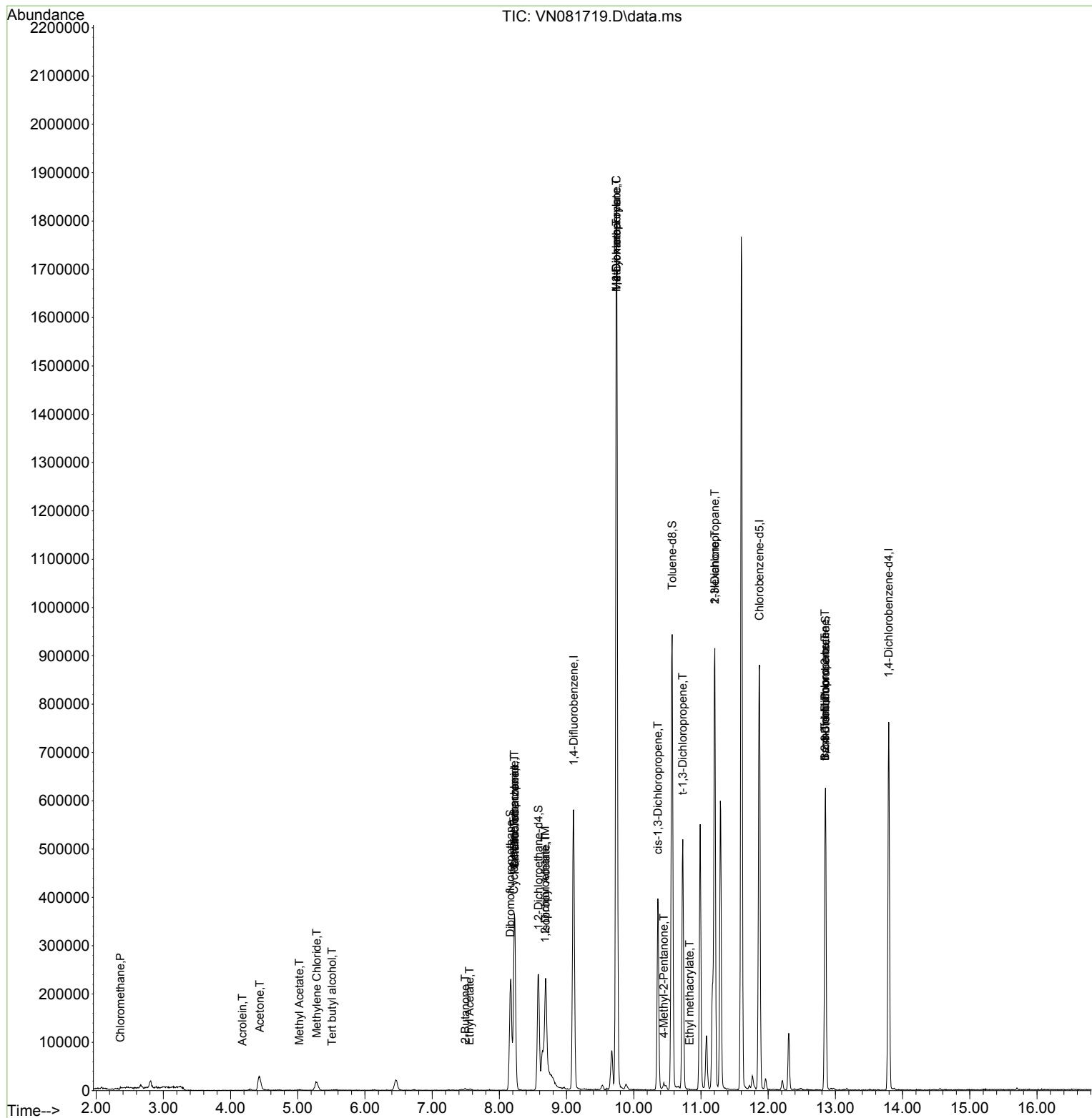
Internal Standards						
1) Pentafluorobenzene	8.229	168	251056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	498888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	520699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199852	62.422	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.840%			
35) Dibromofluoromethane	8.165	113	165956	52.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	10.571	98	647737	56.912	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.820%#			
62) 4-Bromofluorobenzene	12.853	95	208385	51.961	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	847	0.252	ug/l #	43
11) Tert butyl alcohol	5.512	59	614	1.100	ug/l #	72
13) Acrolein	4.177	56	180	0.360	ug/l #	15
16) Acetone	4.436	43	57348	55.425	ug/l	94
18) Methyl Acetate	5.024	43	2512	0.787	ug/l #	54
20) Methylene Chloride	5.283	84	14240	4.201	ug/l #	77
25) 2-Butanone	7.494	43	5513	3.106	ug/l #	89
31) Cyclohexane	8.218	56	6563	1.260	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	22649	4.275	ug/l #	51
37) Ethyl Acetate	7.559	43	4825	1.063	ug/l #	74
38) Carbon Tetrachloride	8.224	117	28124	4.845	ug/l #	20
42) 1,2-Dichloroethane	8.682	62	2076	0.381	ug/l #	75
43) Isopropyl Acetate	8.688	43	377959	50.255	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	2461	0.656	ug/l #	42
48) Methyl methacrylate	9.741	41	166170	47.903	ug/l #	49
49) 1,4-Dioxane	9.741	88	443	5.314	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7465	1.627	ug/l #	78
53) t-1,3-Dichloropropene	10.729	75	1366	0.227	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	69809	10.817	ug/l #	64
56) Ethyl methacrylate	10.829	69	108	0.590	ug/l #	20
57) 1,3-Dichloropropane	11.206	76	9843	1.515	ug/l #	45
59) 2-Hexanone	11.206	43	112056	33.026	ug/l #	58
71) Bromoform	12.847	173	2191	0.639	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	114164	24.286	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	114164	65.629	ug/l #	14

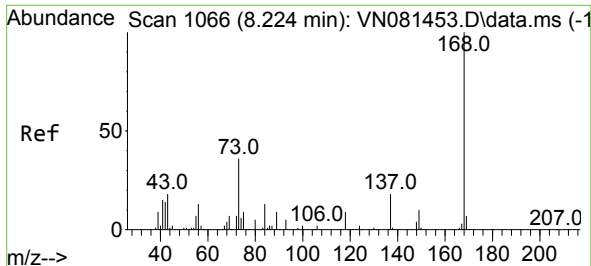
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

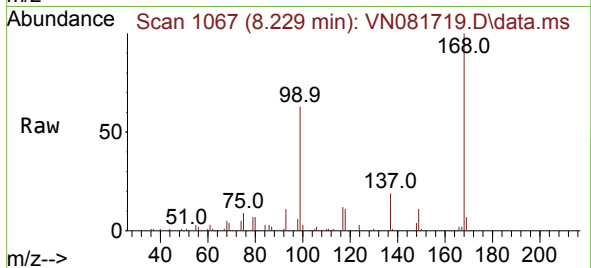
Quant Time: Apr 13 06:57:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration



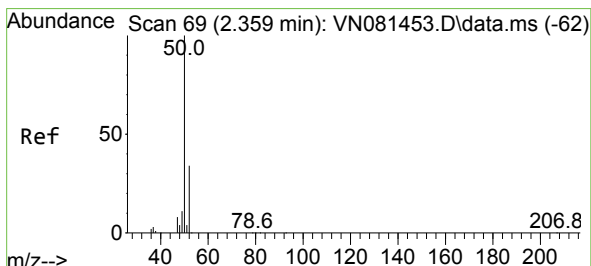
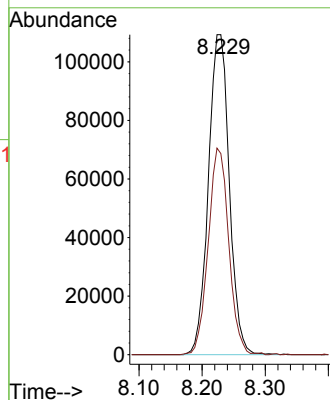
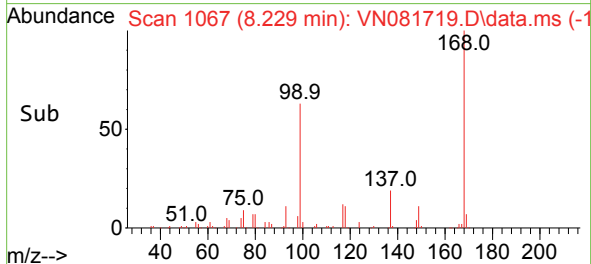


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

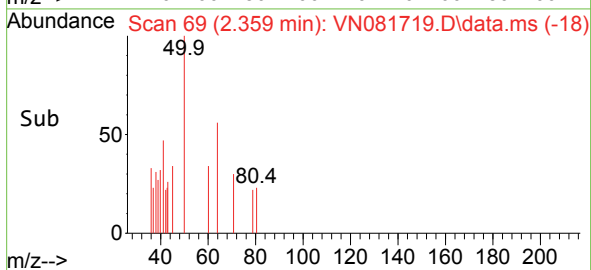
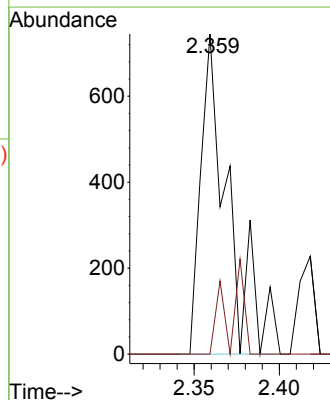
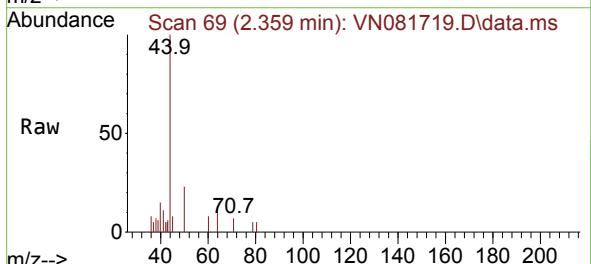


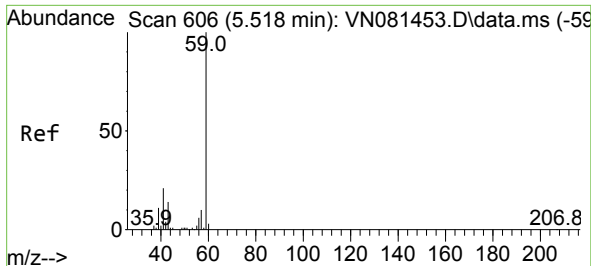
Tgt Ion:168 Resp: 251056
Ion Ratio Lower Upper
168 100
99 62.8 59.9 89.9



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

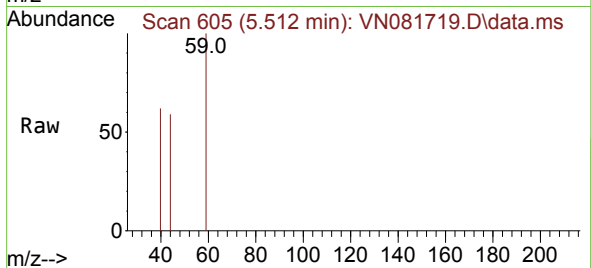
Tgt Ion: 50 Resp: 847
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



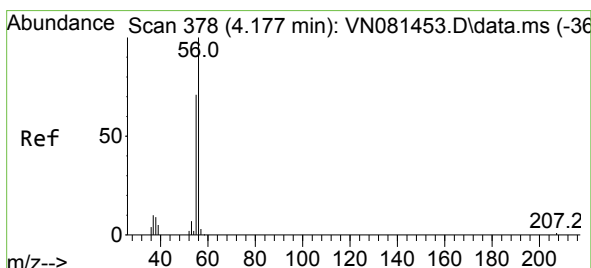
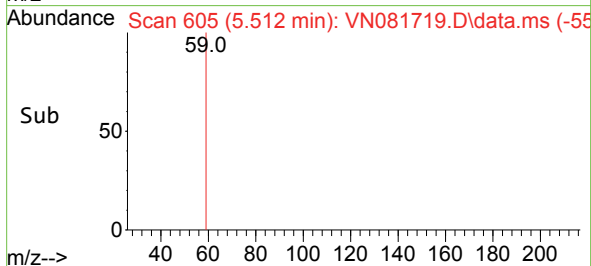
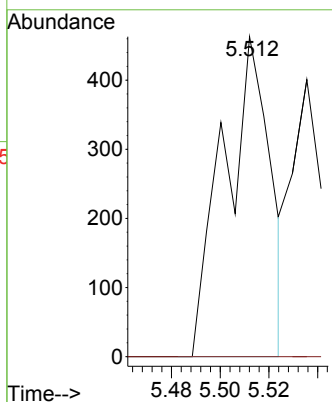


#11
Tert butyl alcohol
Concen: 1.100 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

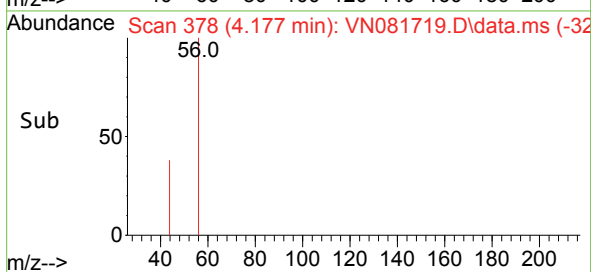
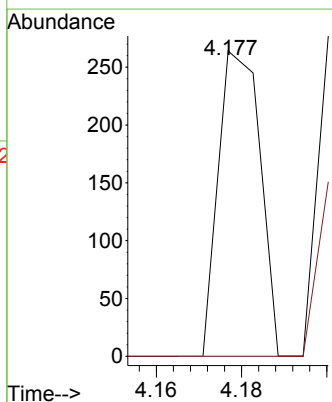
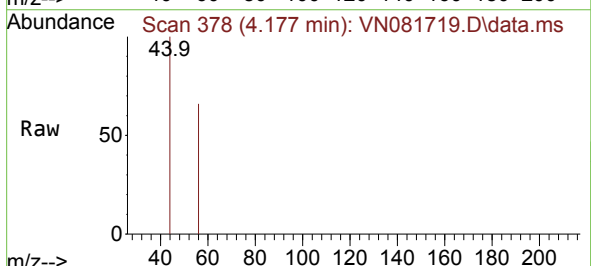


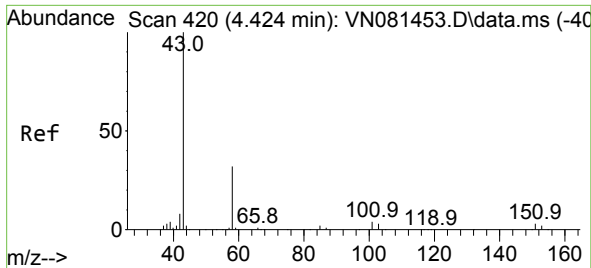
Tgt Ion: 59 Resp: 614
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.360 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

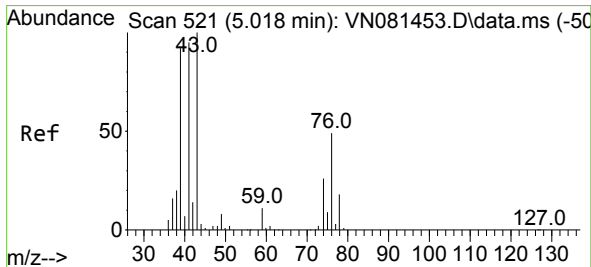
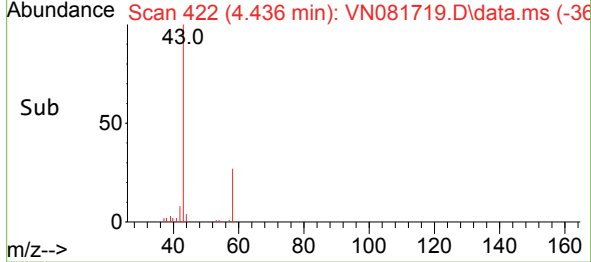
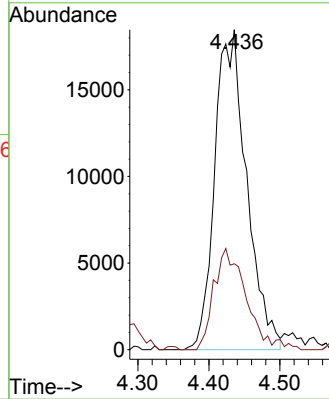
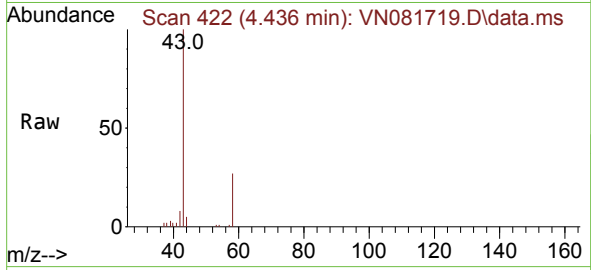




#16
Acetone
Concen: 55.425 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

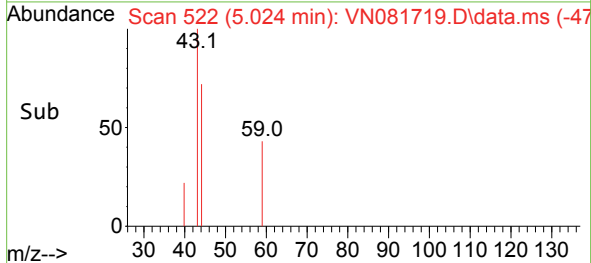
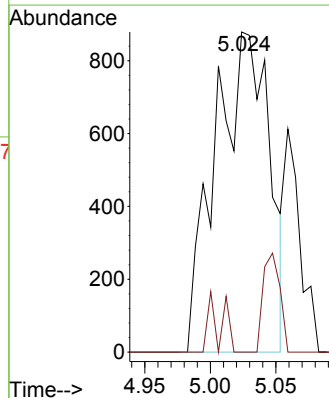
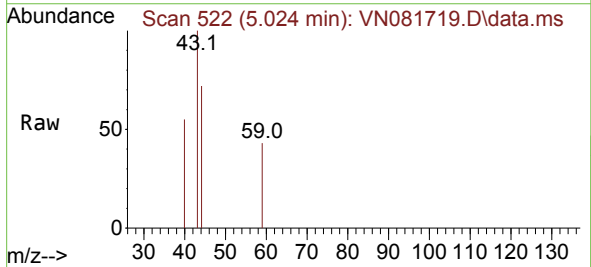
Instrument :
MSVOA_N
ClientSampleId :

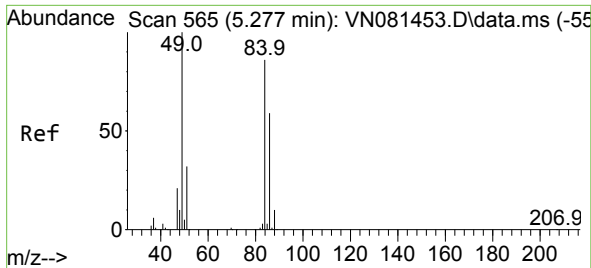
Tgt Ion: 43 Resp: 57348
Ion Ratio Lower Upper
43 100
58 27.8 24.8 37.2



#18
Methyl Acetate
Concen: 0.787 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

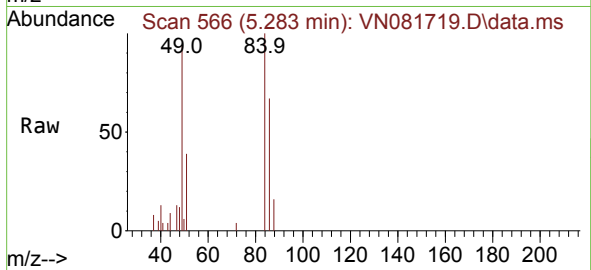
Tgt Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



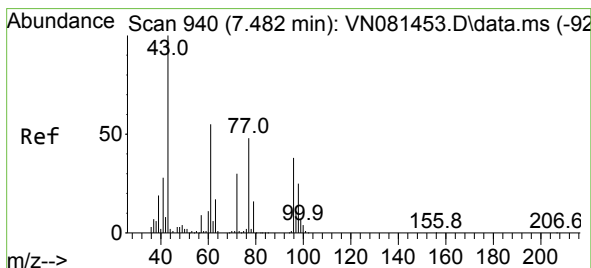
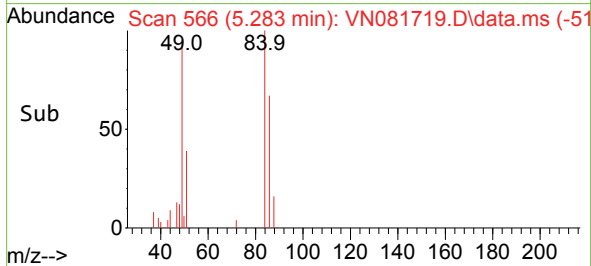
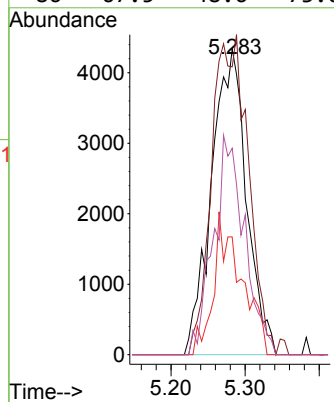


#20
Methylene Chloride
Concen: 4.201 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

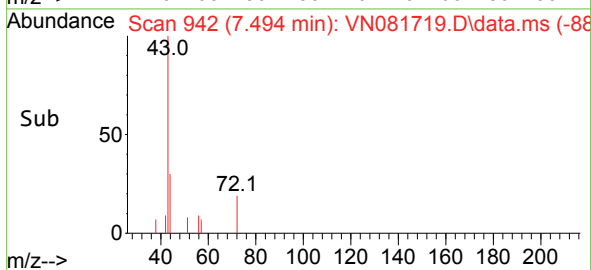
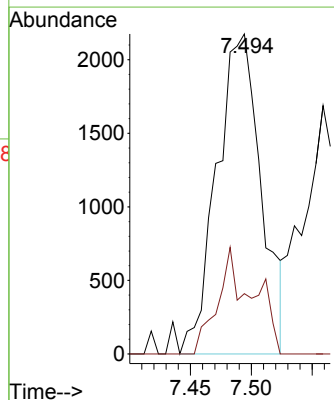
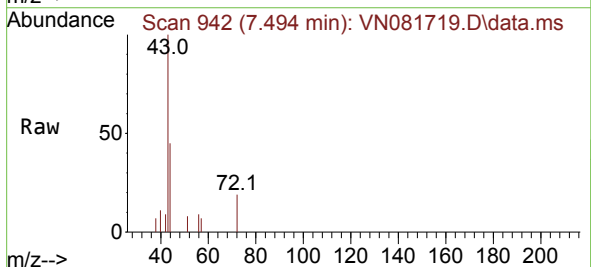


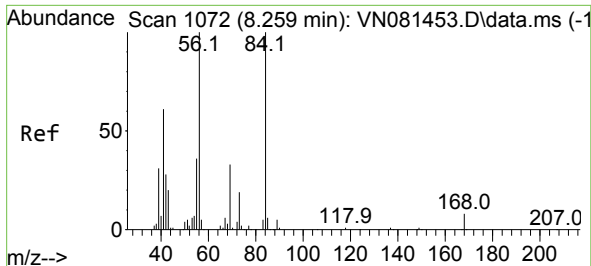
Tgt Ion: 84 Resp: 14240
Ion Ratio Lower Upper
84 100
49 94.1 108.1 162.1#
51 38.5 32.9 49.3
86 67.5 48.6 73.0



#25
2-Butanone
Concen: 3.106 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

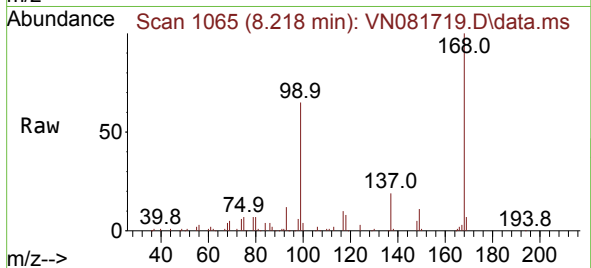
Tgt Ion: 43 Resp: 5513
Ion Ratio Lower Upper
43 100
72 18.9 19.5 29.3#



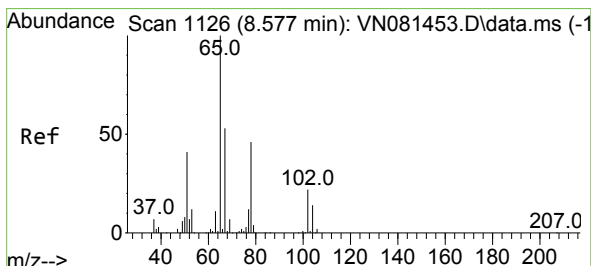
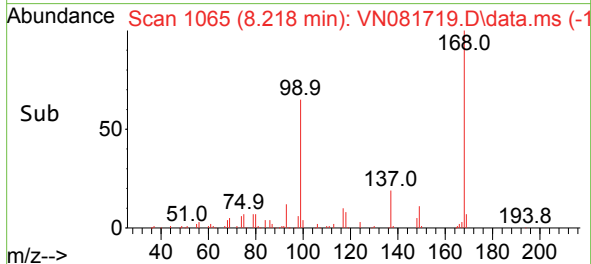
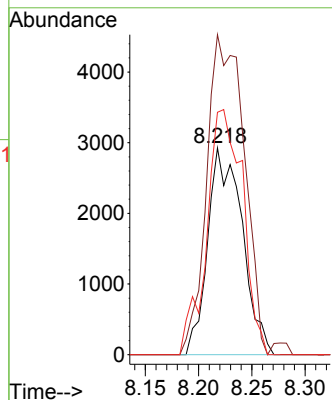


#31
Cyclohexane
Concen: 1.260 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

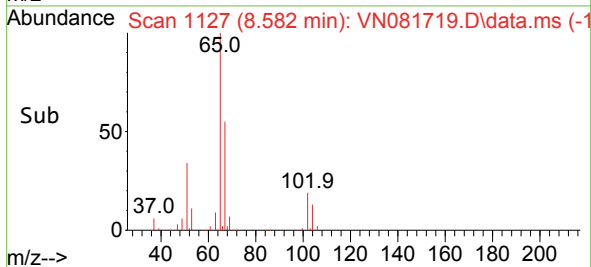
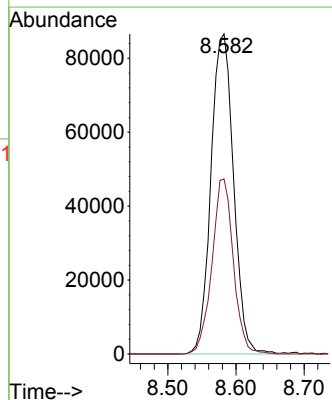
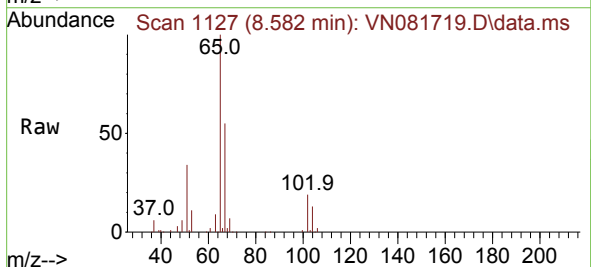


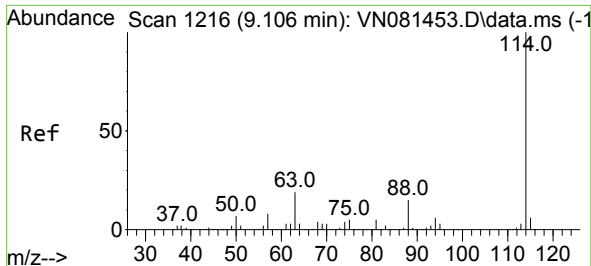
Tgt Ion: 56 Resp: 6563
Ion Ratio Lower Upper
56 100
69 154.8 20.1 30.1#
84 117.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 62.422 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Tgt Ion: 65 Resp: 199852
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081719.D

Acq: 12 Apr 2024 15:44

Instrument :

MSVOA_N

ClientSampleId :

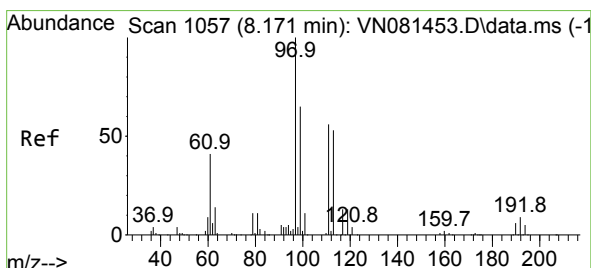
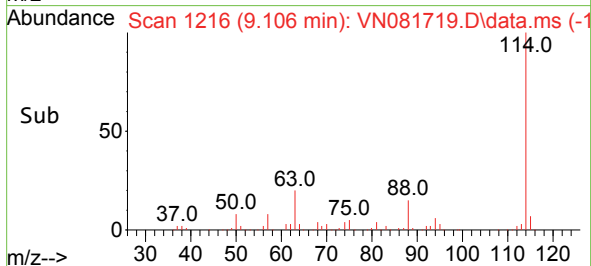
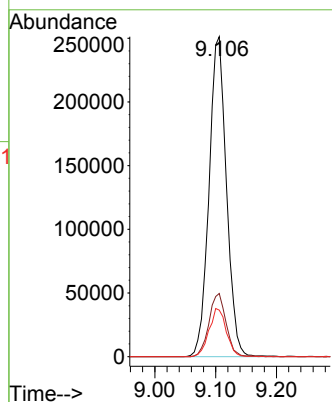
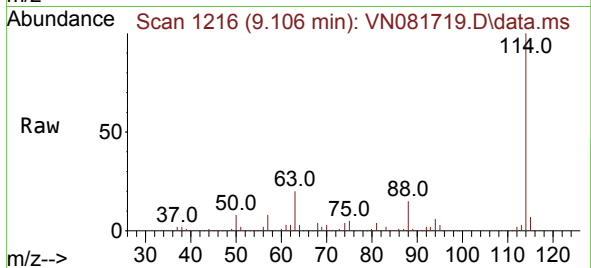
Tgt Ion:114 Resp: 498888

Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 14.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 52.710 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081719.D

Acq: 12 Apr 2024 15:44

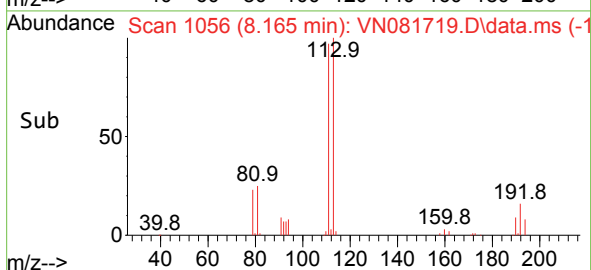
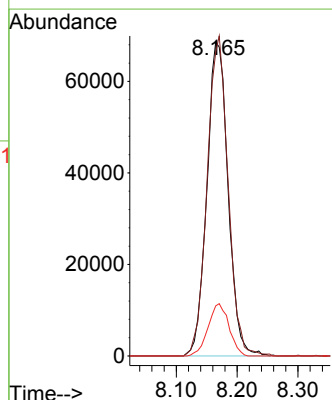
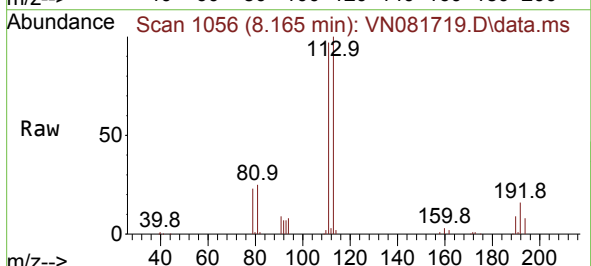
Tgt Ion:113 Resp: 165956

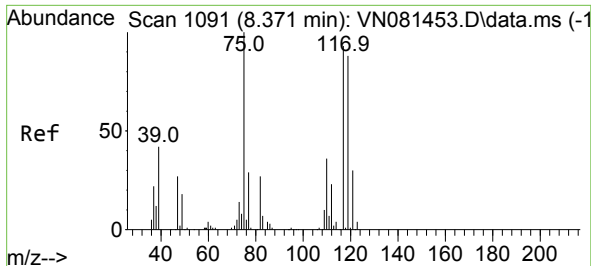
Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

192 16.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.275 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

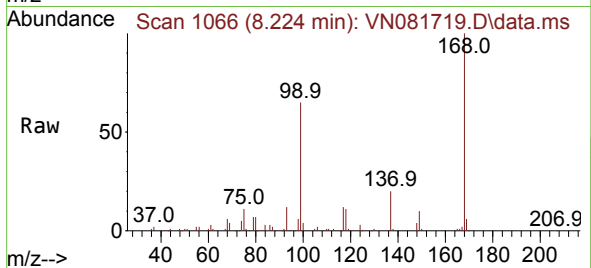
Lab File: VN081719.D

Acq: 12 Apr 2024 15:44

Instrument :

MSVOA_N

ClientSampleId :



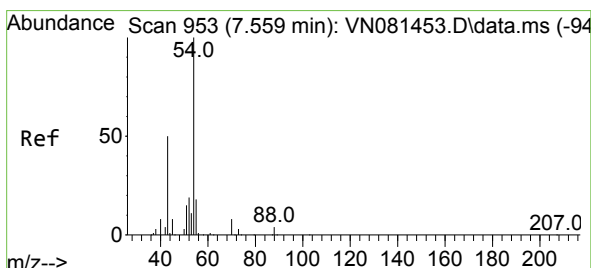
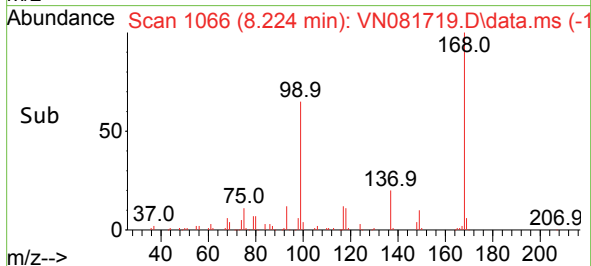
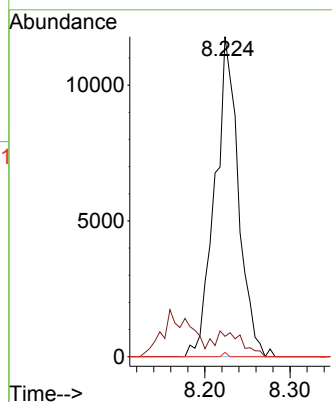
Tgt Ion: 75 Resp: 22649

Ion Ratio Lower Upper

75 100

110 9.6 16.0 48.0#

77 0.2 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.063 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN081719.D

Acq: 12 Apr 2024 15:44

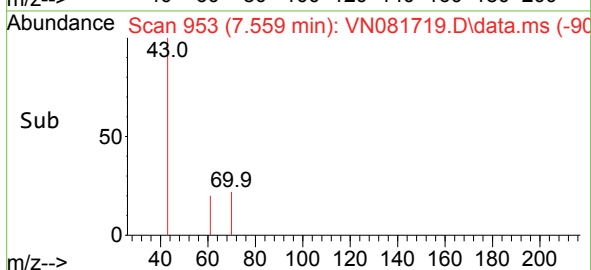
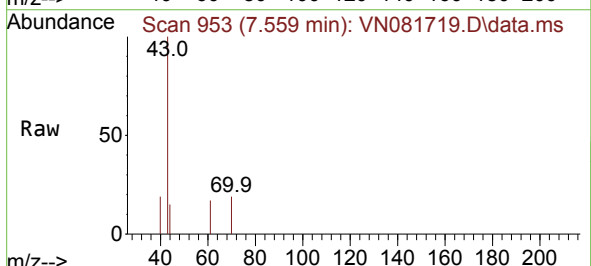
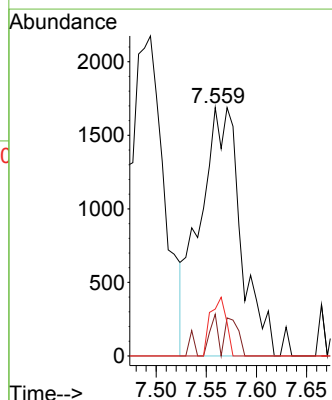
Tgt Ion: 43 Resp: 4825

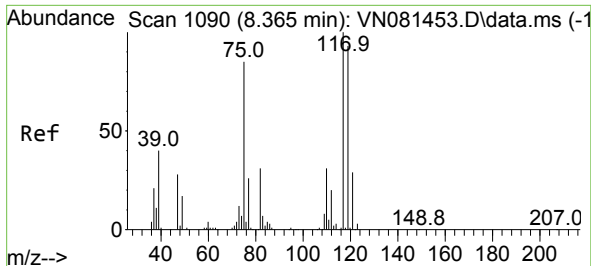
Ion Ratio Lower Upper

43 100

61 3.3 10.6 15.8#

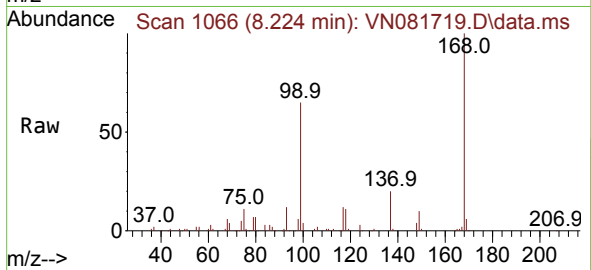
70 0.0 8.0 12.0#



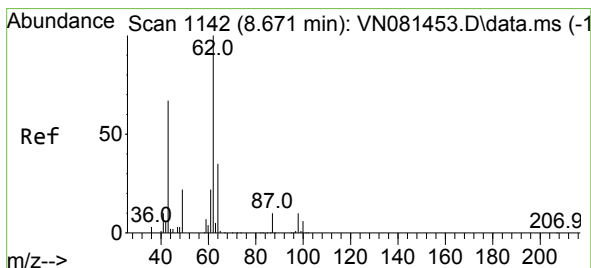
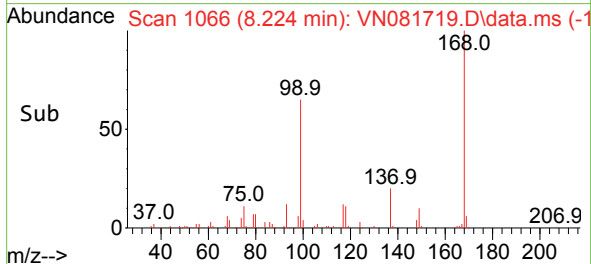
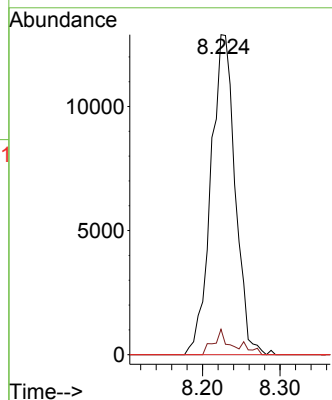


#38
Carbon Tetrachloride
Concen: 4.845 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

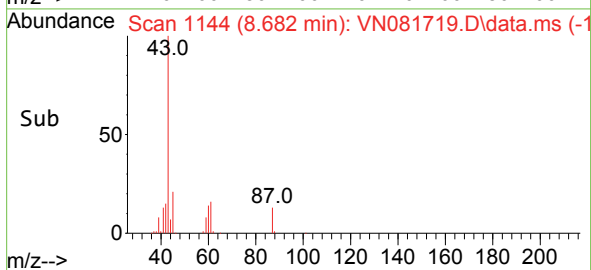
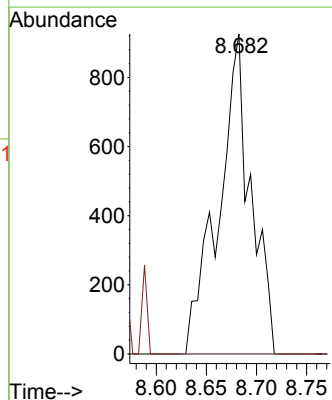
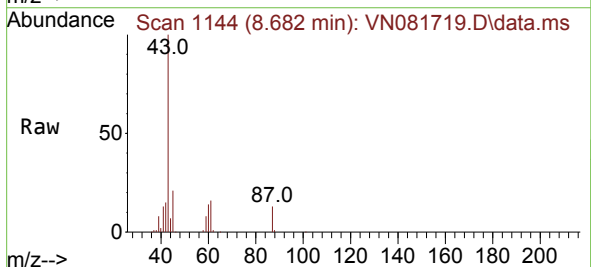


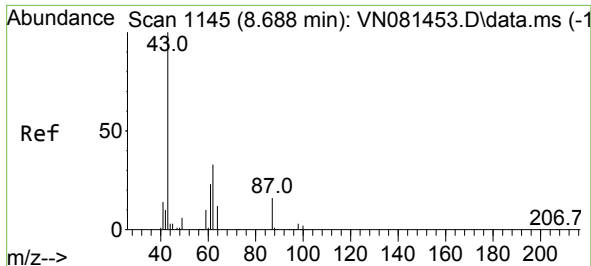
Tgt Ion:117 Resp: 28124
Ion Ratio Lower Upper
117 100
119 7.9 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.381 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

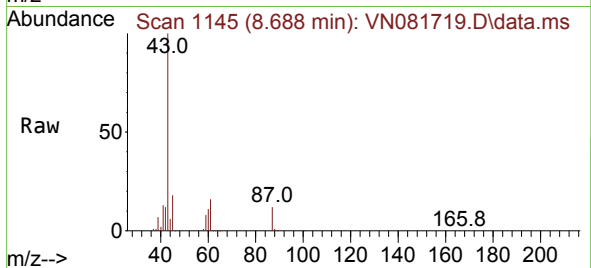
Tgt Ion: 62 Resp: 2076
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0



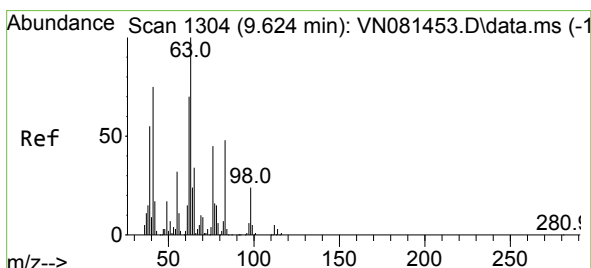
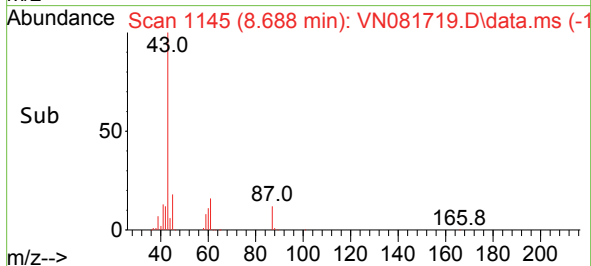
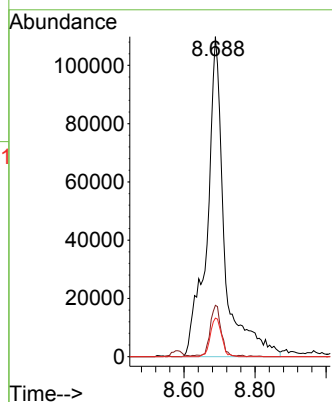


#43
Isopropyl Acetate
Concen: 50.255 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

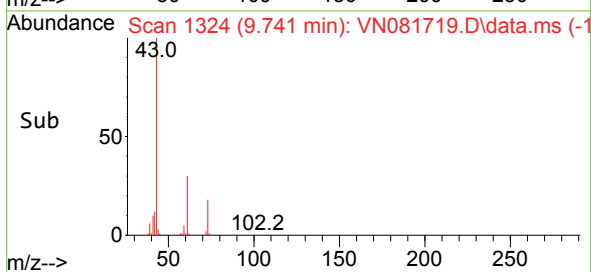
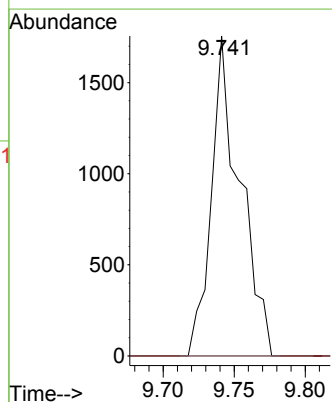
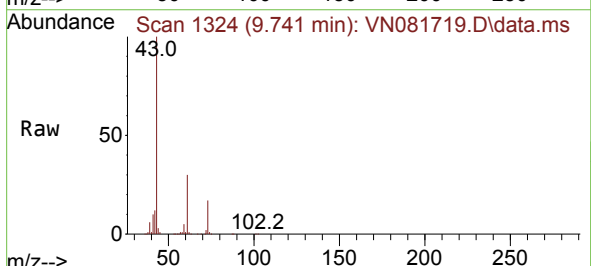


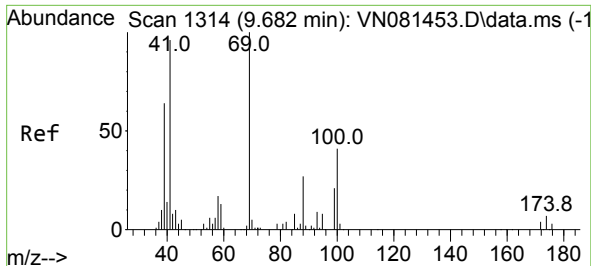
Tgt Ion: 43 Resp: 377959
Ion Ratio Lower Upper
43 100
61 10.1 19.9 29.9#
87 7.8 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.656 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

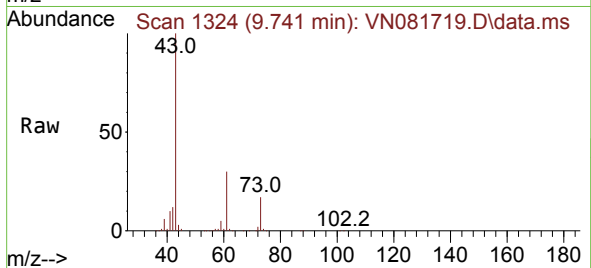
Tgt Ion: 63 Resp: 2461
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



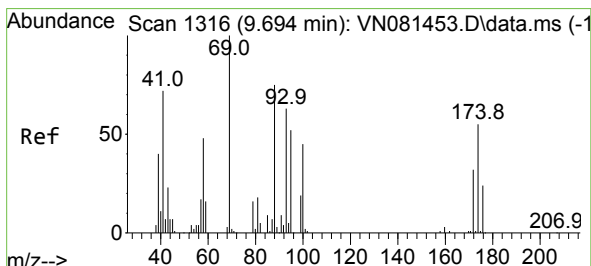
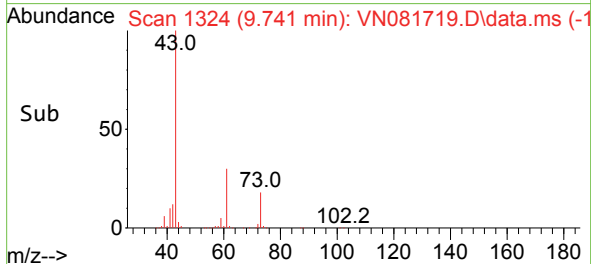
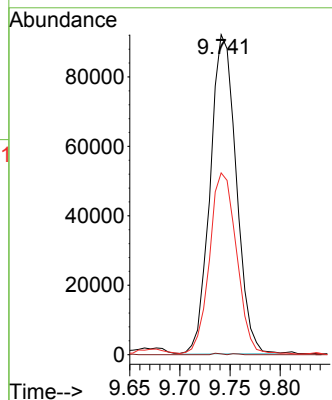


#48
Methyl methacrylate
Concen: 47.903 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

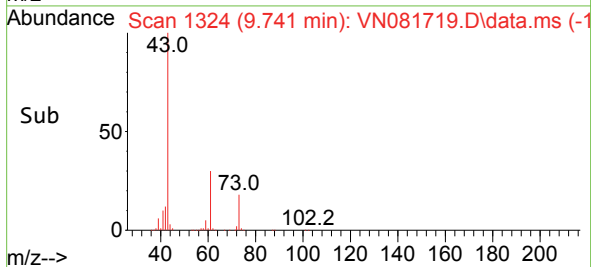
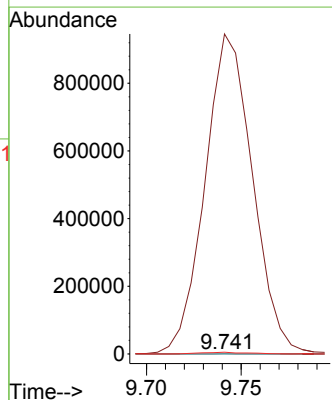
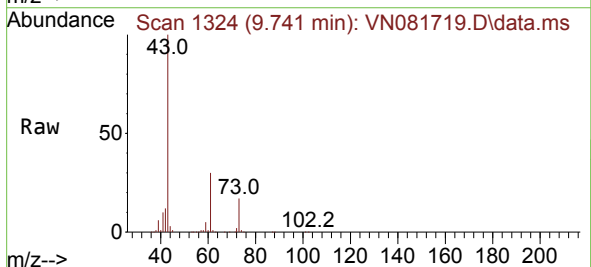


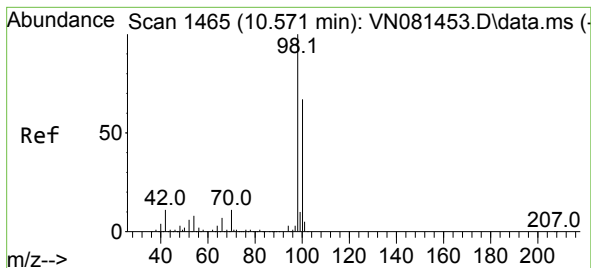
Tgt Ion: 41 Resp: 166170
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 59.2 47.6 71.4



#49
1,4-Dioxane
Concen: 5.314 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Tgt Ion: 88 Resp: 443
Ion Ratio Lower Upper
88 100
43 374641.1 30.1 45.1#
58 2050.3 63.9 95.9#





#50

Toluene-d8

Concen: 56.912 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

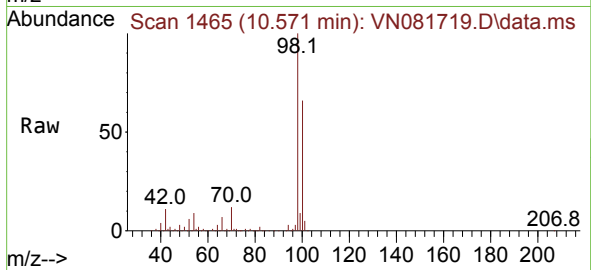
Lab File: VN081719.D

Acq: 12 Apr 2024 15:44

Instrument :

MSVOA_N

ClientSampleId :

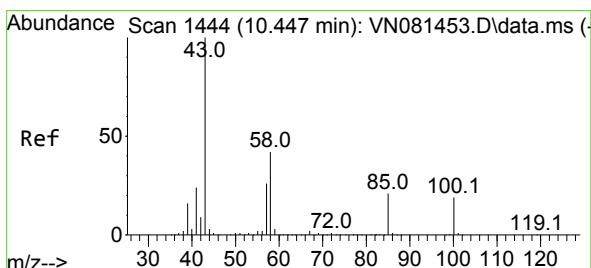
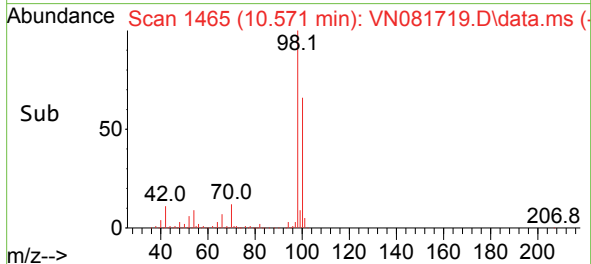
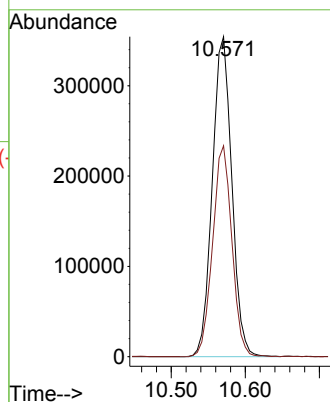


Tgt Ion: 98 Resp: 647737

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.627 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN081719.D

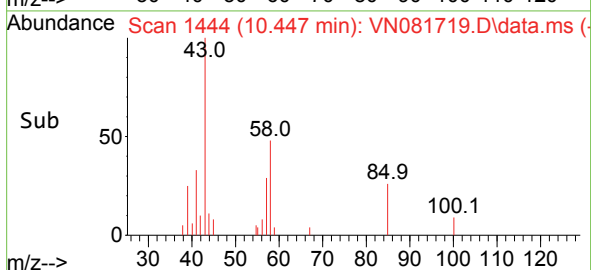
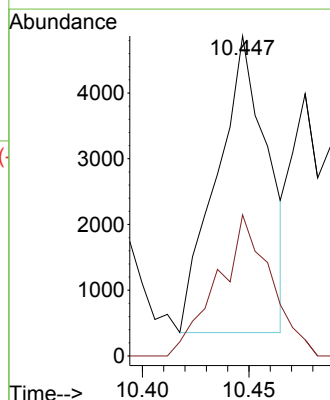
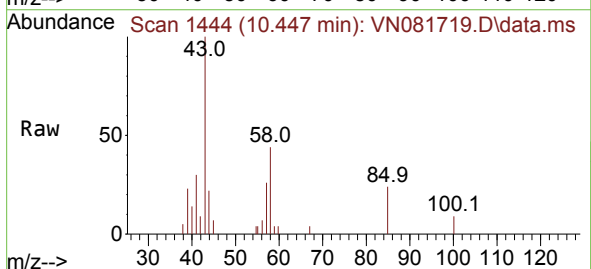
Acq: 12 Apr 2024 15:44

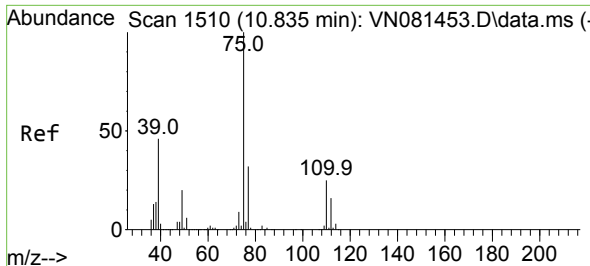
Tgt Ion: 43 Resp: 7465

Ion Ratio Lower Upper

43 100

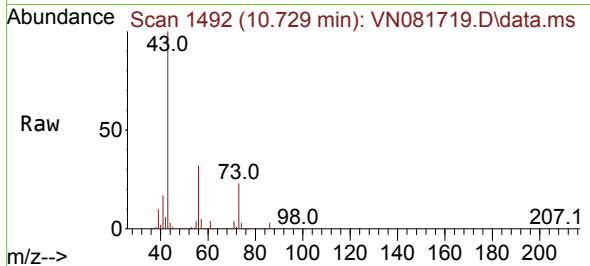
58 49.8 29.4 44.0#



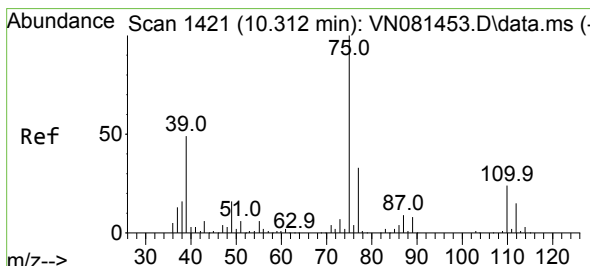
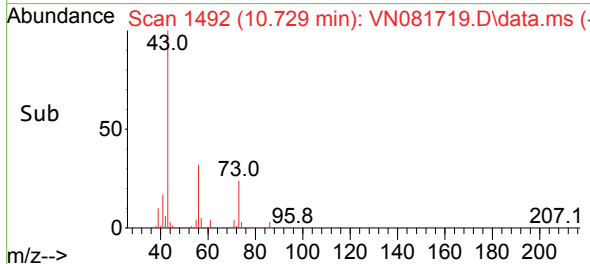
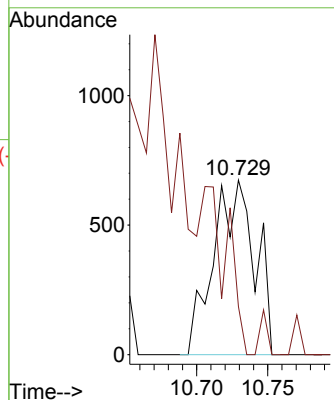


#53
t-1,3-Dichloropropene
Concen: 0.227 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

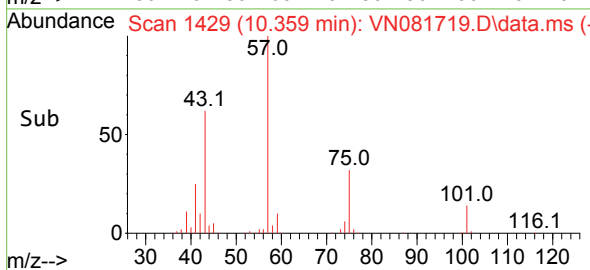
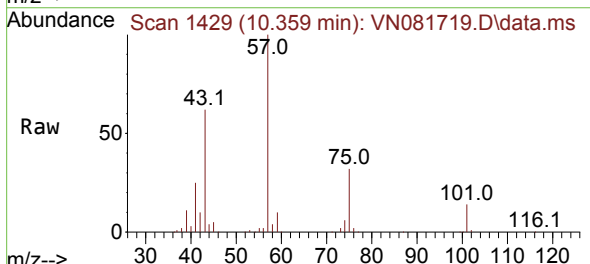
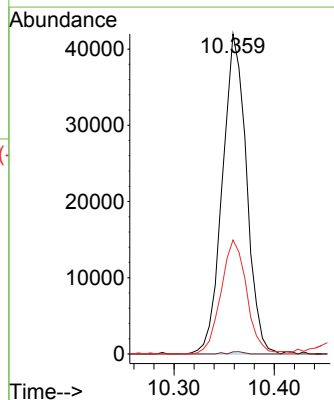


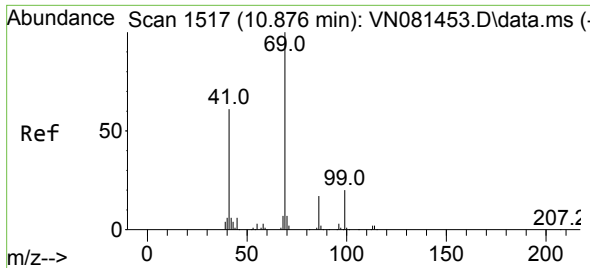
Tgt Ion: 75 Resp: 1366
Ion Ratio Lower Upper
75 100
77 27.6 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 10.817 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

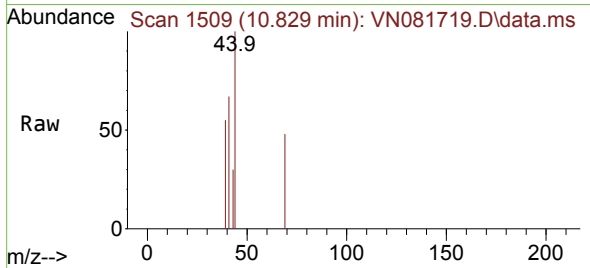
Tgt Ion: 75 Resp: 69809
Ion Ratio Lower Upper
75 100
77 0.6 23.3 34.9#
39 35.6 44.6 66.8#



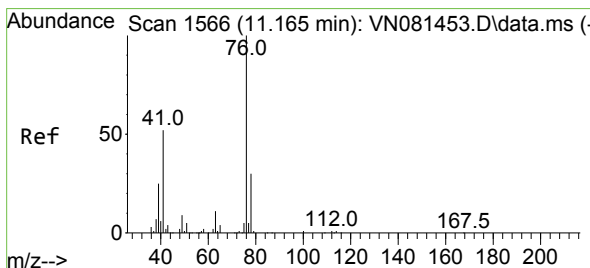
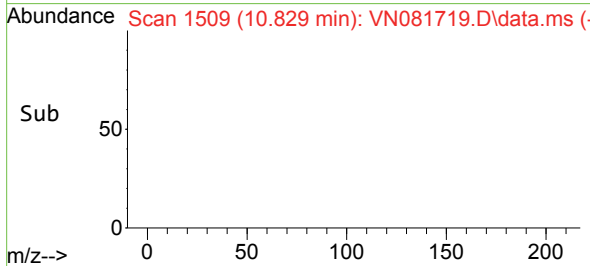
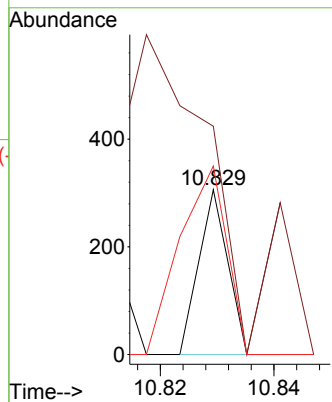


#56
Ethyl methacrylate
Concen: 0.590 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.047 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

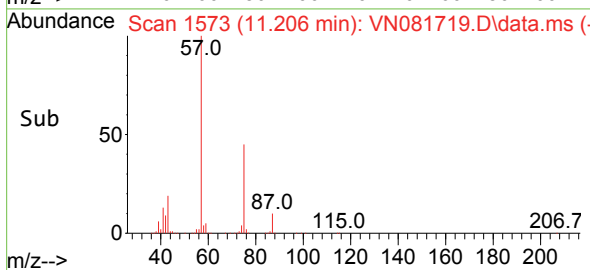
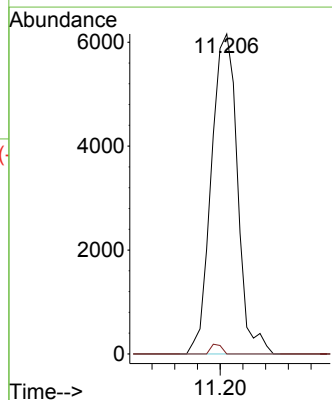
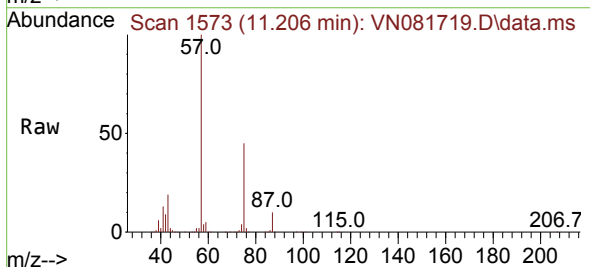


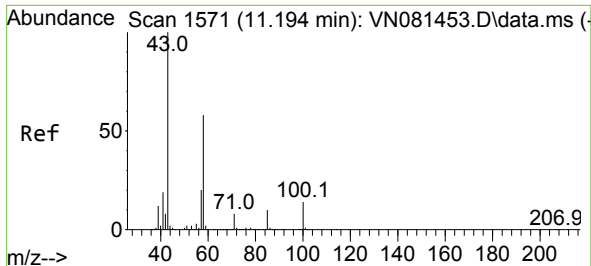
Tgt Ion: 69 Resp: 108
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.515 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Tgt Ion: 76 Resp: 9843
Ion Ratio Lower Upper
76 100
78 1.2 25.5 38.3#

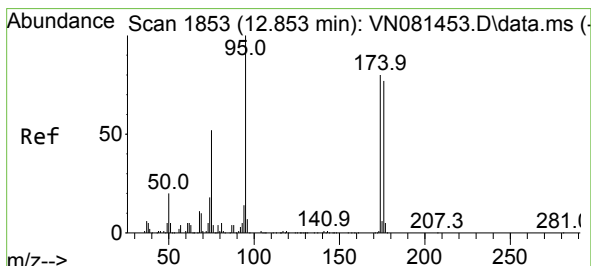
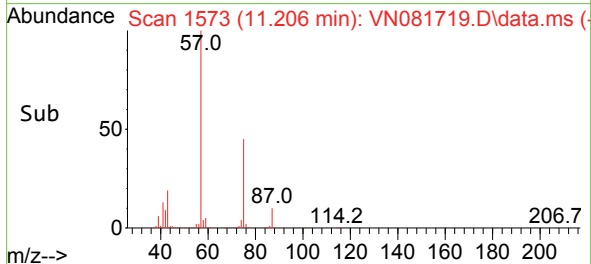
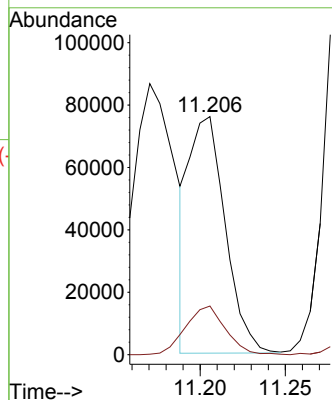
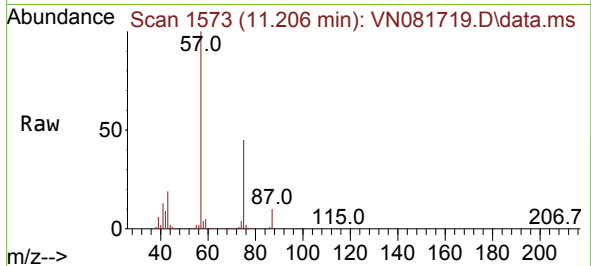




#59
2-Hexanone
Concen: 33.026 ug/l
RT: 11.206 min Scan# 112056
Delta R.T. 0.012 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

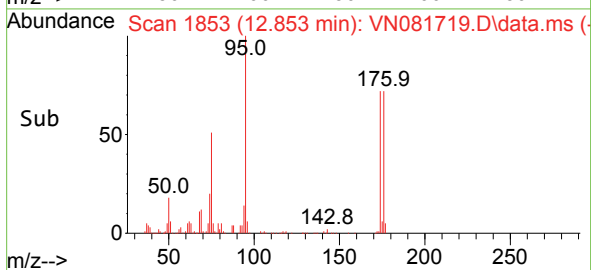
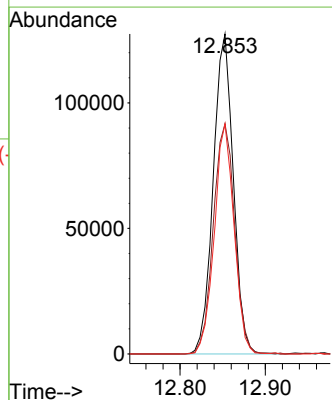
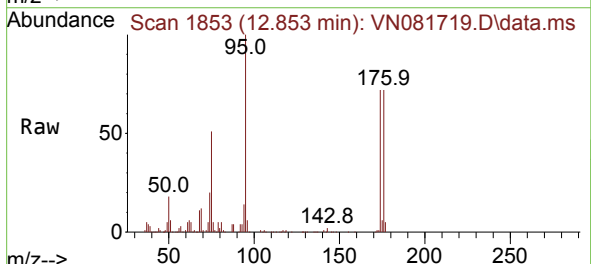
Instrument :
MSVOA_N
ClientSampleId :

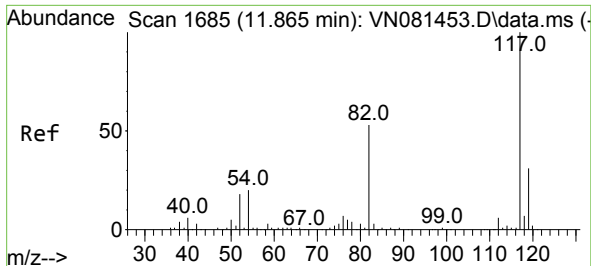
Tgt Ion: 43 Resp: 112056
Ion Ratio Lower Upper
43 100
58 22.7 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 51.961 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

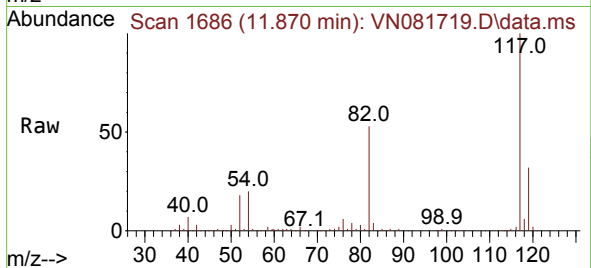
Tgt Ion: 95 Resp: 208385
Ion Ratio Lower Upper
95 100
174 76.7 0.0 120.4
176 70.8 0.0 121.0



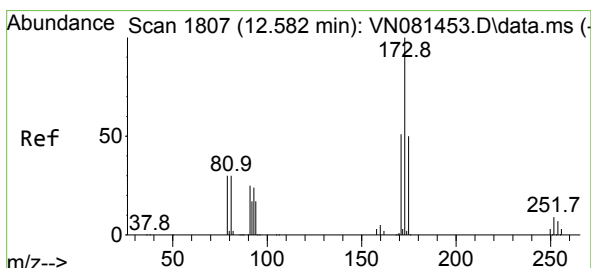
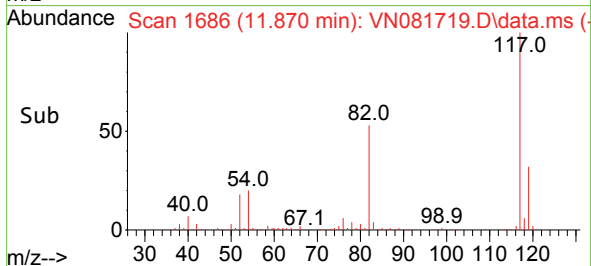
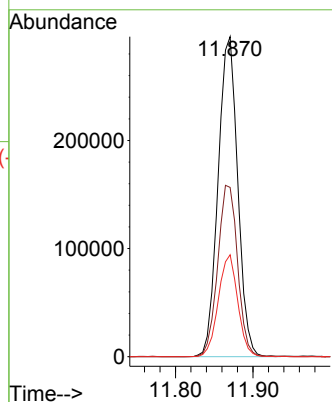


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

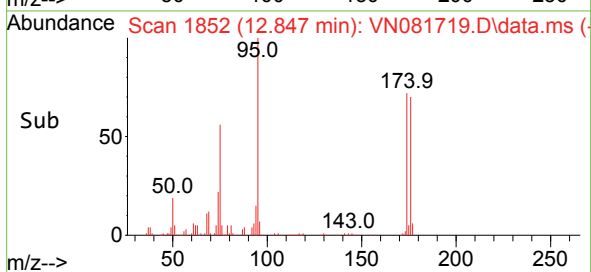
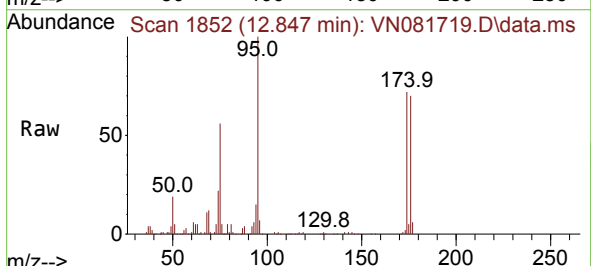
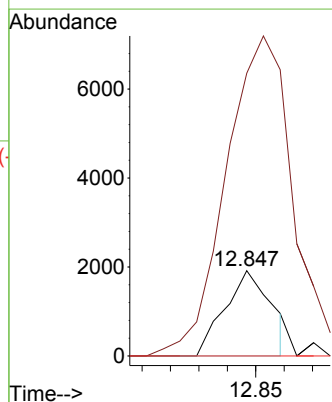


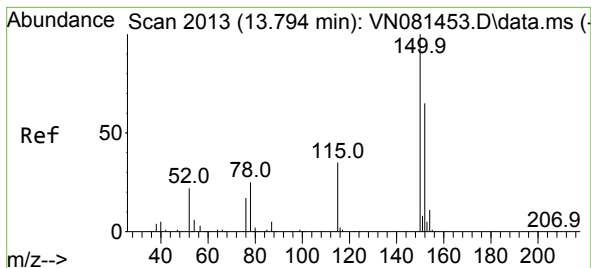
Tgt Ion:117 Resp: 520699
Ion Ratio Lower Upper
117 100
82 52.9 52.7 79.1
119 31.9 25.3 37.9



#71
Bromoform
Concen: 0.639 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Tgt Ion:173 Resp: 2191
Ion Ratio Lower Upper
173 100
175 457.1 23.1 69.2#
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

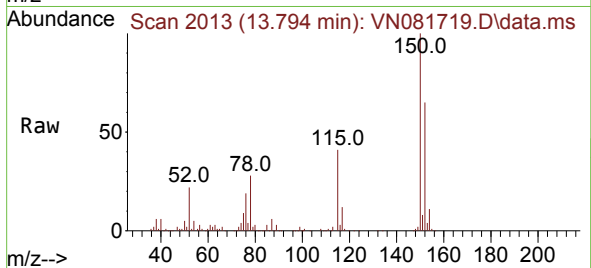
Lab File: VN081719.D

Acq: 12 Apr 2024 15:44

Instrument :

MSVOA_N

ClientSampleId :



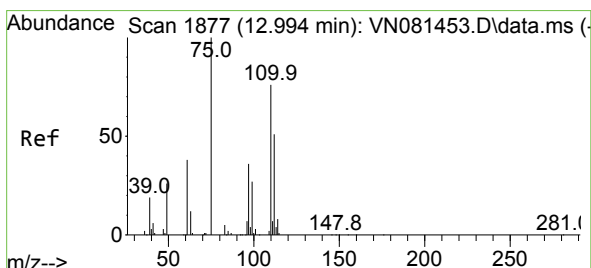
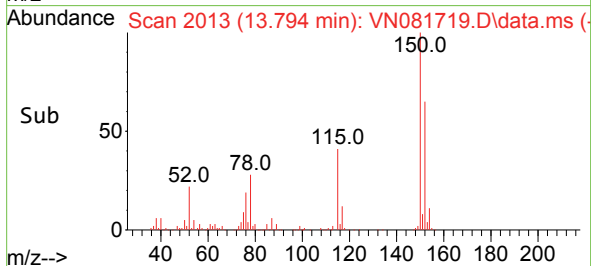
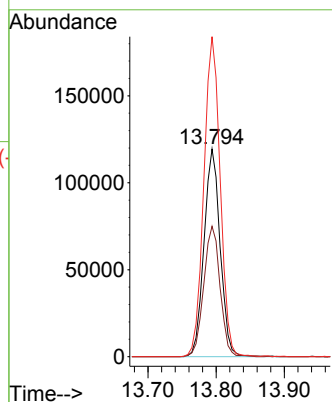
Tgt Ion:152 Resp: 196516

Ion Ratio Lower Upper

152 100

115 63.7 32.3 96.8

150 156.1 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 24.286 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081719.D

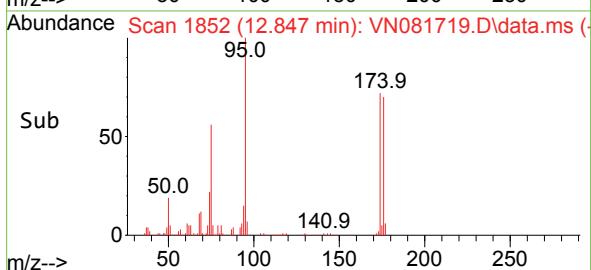
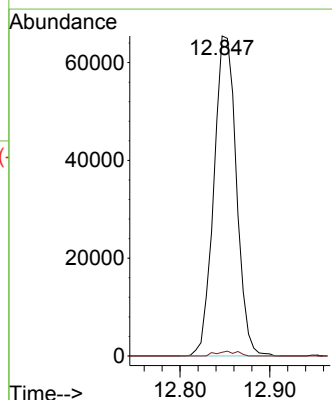
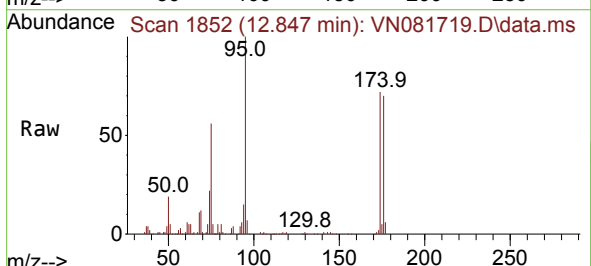
Acq: 12 Apr 2024 15:44

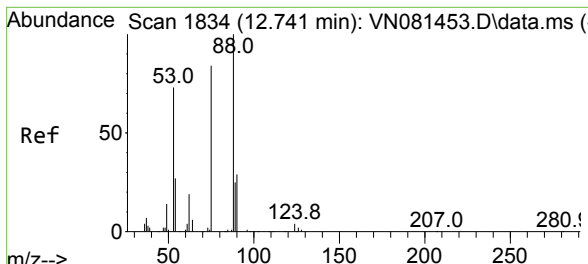
Tgt Ion: 75 Resp: 114164

Ion Ratio Lower Upper

75 100

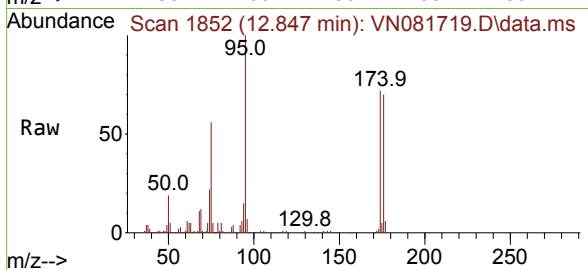
77 1.4 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 65.629 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081719.D
Acq: 12 Apr 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 114164
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

