

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081724.D
 Acq On : 12 Apr 2024 17:43
 Operator : JC\MD
 Sample : P2070-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:59:46 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

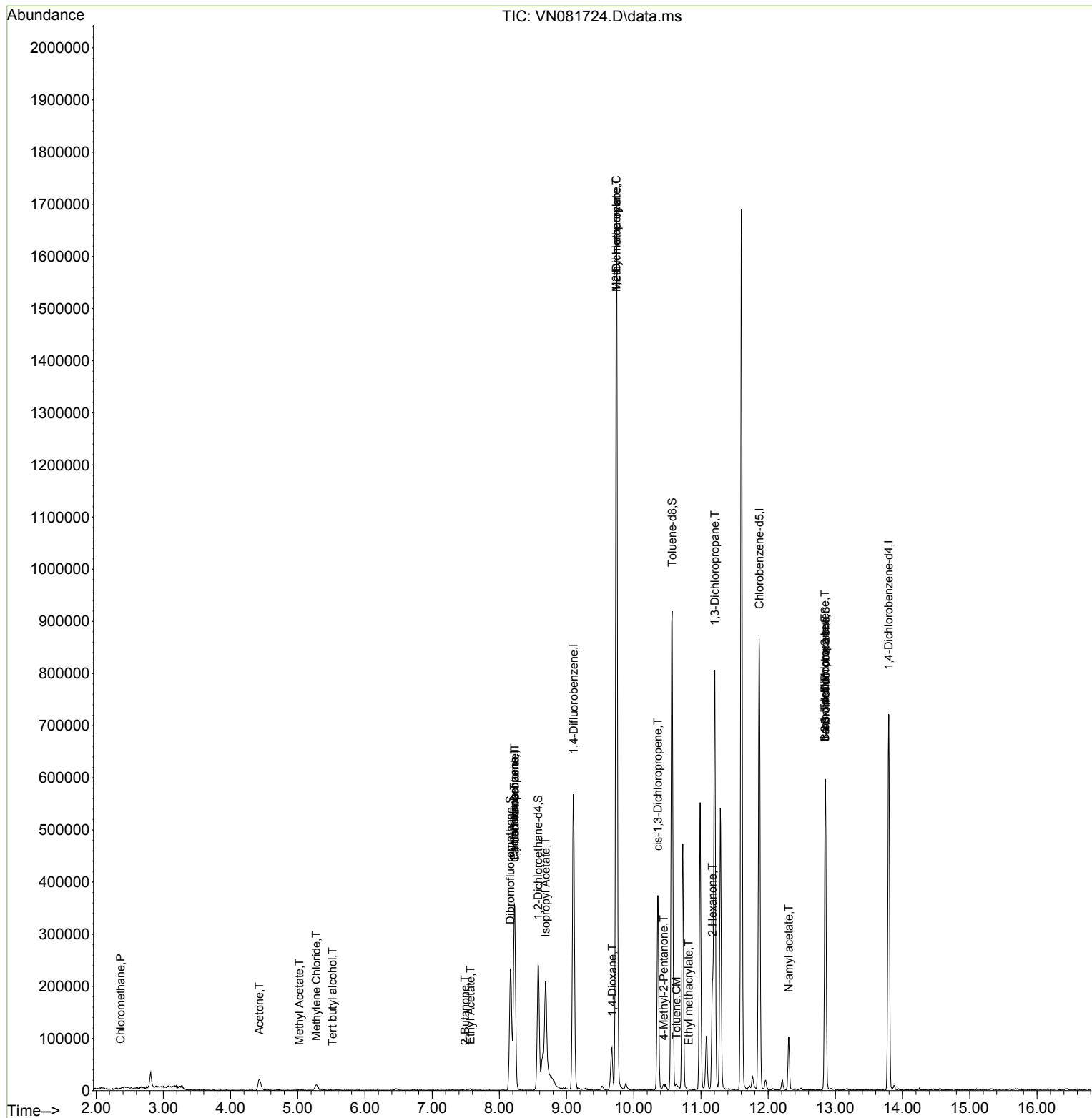
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	248987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	501150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	509113	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	195185	61.471	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.940%	
35) Dibromofluoromethane	8.165	113	162782	51.468	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.940%	
50) Toluene-d8	10.571	98	637470	55.757	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.520%	
62) 4-Bromofluorobenzene	12.853	95	204579	50.782	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.560%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	675	0.202	ug/l #	43
11) Tert butyl alcohol	5.518	59	227	0.410	ug/l #	72
16) Acetone	4.430	43	41230	40.179	ug/l	95
18) Methyl Acetate	5.024	43	3352	1.060	ug/l #	89
20) Methylene Chloride	5.277	84	8059	2.398	ug/l #	63
25) 2-Butanone	7.489	43	3539	2.011	ug/l #	60
31) Cyclohexane	8.224	56	6576	1.273	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	21115	3.967	ug/l #	52
37) Ethyl Acetate	7.571	43	3999	0.877	ug/l	97
38) Carbon Tetrachloride	8.230	117	28735	4.928	ug/l #	20
43) Isopropyl Acetate	8.688	43	303323	40.149	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	2288	0.607	ug/l #	42
48) Methyl methacrylate	9.741	41	153240	43.976	ug/l #	49
49) 1,4-Dioxane	9.682	88	164	1.958	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6841	1.484	ug/l	92
52) Toluene	10.635	92	3694	0.373	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	65842	10.157	ug/l #	63
56) Ethyl methacrylate	10.818	69	121	0.593	ug/l #	20
57) 1,3-Dichloropropane	11.206	76	9811	1.504	ug/l #	44
59) 2-Hexanone	11.171	43	143440	42.085	ug/l #	26
71) Bromoform	12.847	173	1840	0.549	ug/l #	1
74) N-amyl acetate	12.306	43	28453	4.793	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	111425	24.208	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	111425	65.417	ug/l #	14

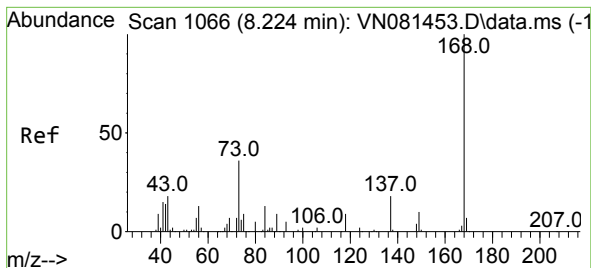
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

Instrument :

MSVOA_N

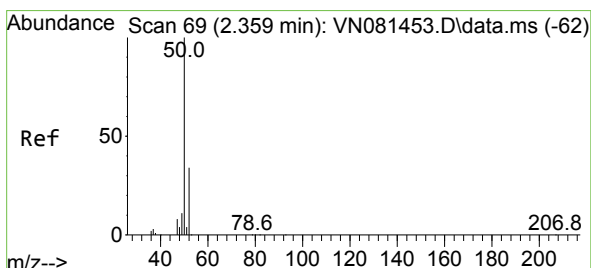
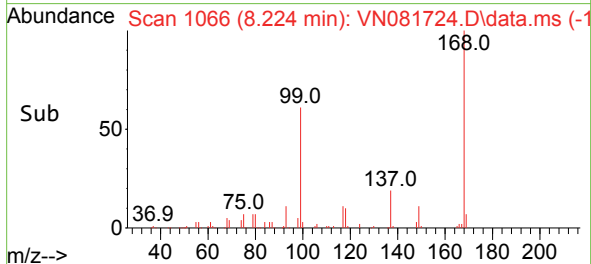
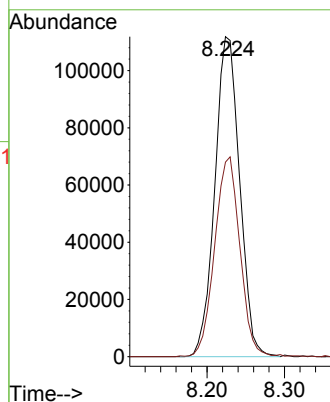
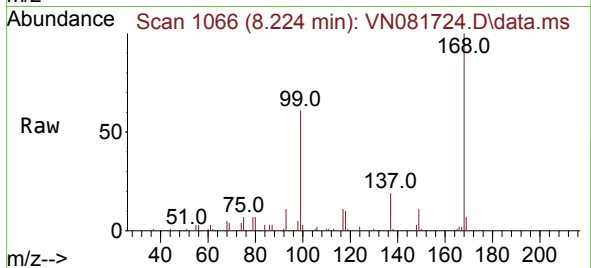
ClientSampleId :

Tgt Ion:168 Resp: 248987

Ion Ratio Lower Upper

168 100

99 60.5 59.9 89.9



#3

Chloromethane

Concen: 0.202 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081724.D

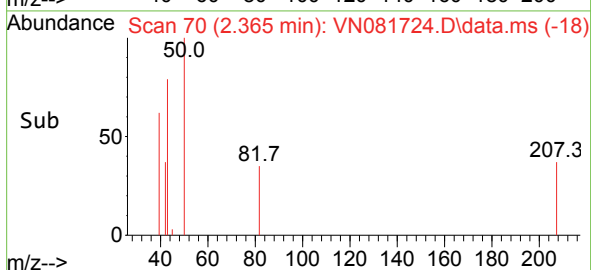
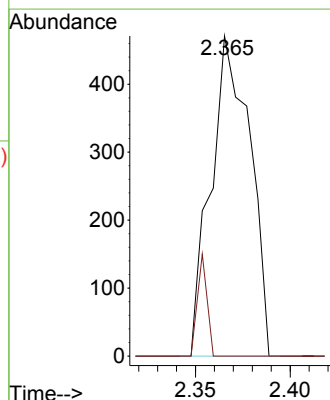
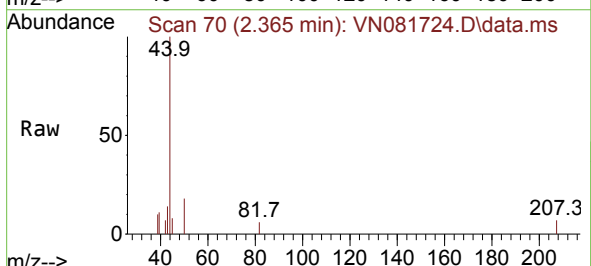
Acq: 12 Apr 2024 17:43

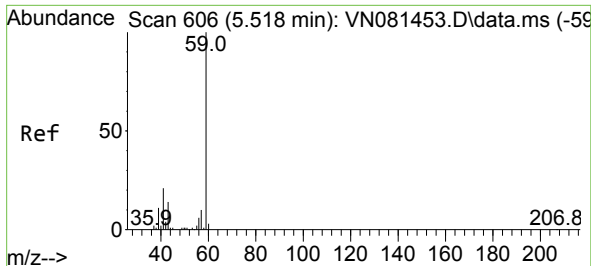
Tgt Ion: 50 Resp: 675

Ion Ratio Lower Upper

50 100

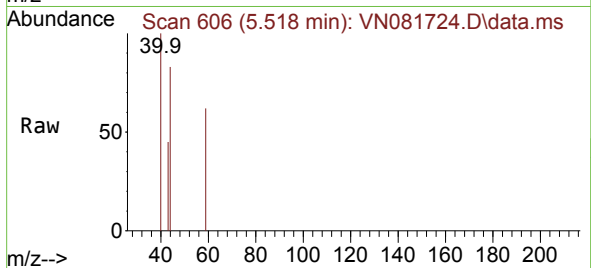
52 0.0 25.0 37.4#



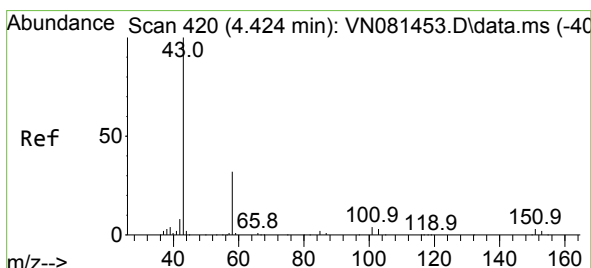
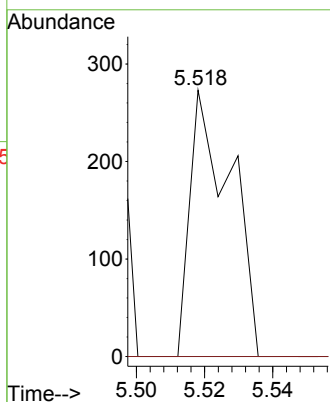
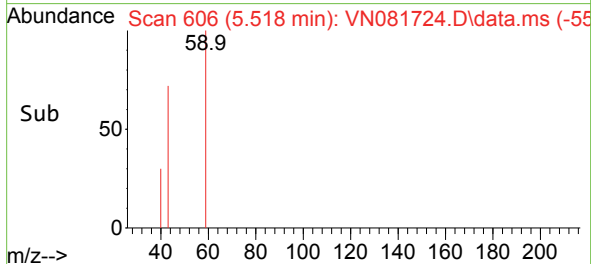


#11
Tert butyl alcohol
Concen: 0.410 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

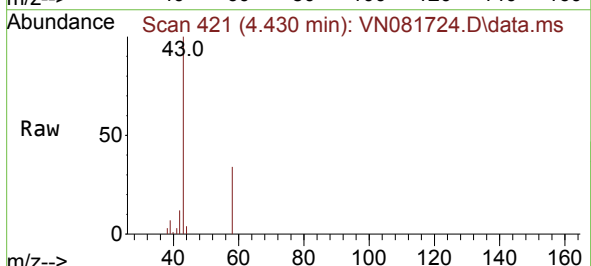
Instrument :
MSVOA_N
ClientSampleId :



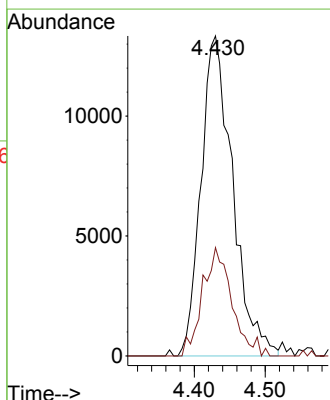
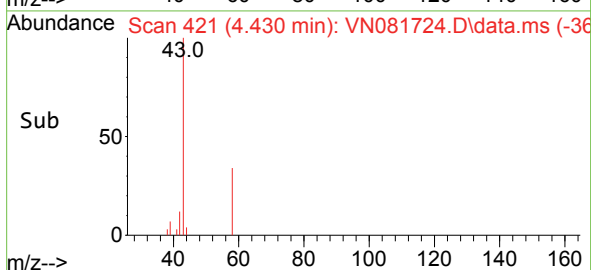
Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

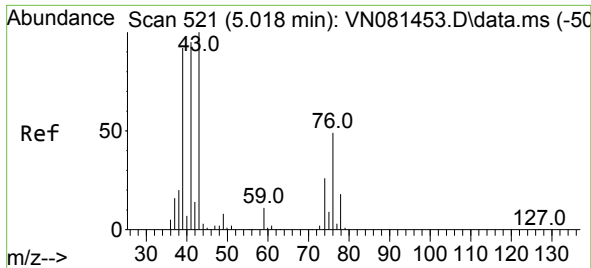


#16
Acetone
Concen: 40.179 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43



Tgt Ion: 43 Resp: 41230
Ion Ratio Lower Upper
43 100
58 33.9 24.8 37.2

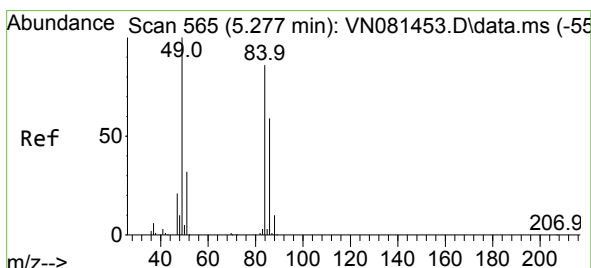
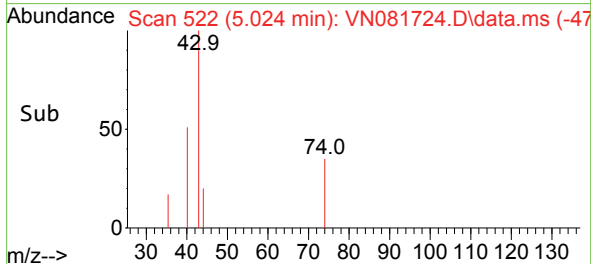
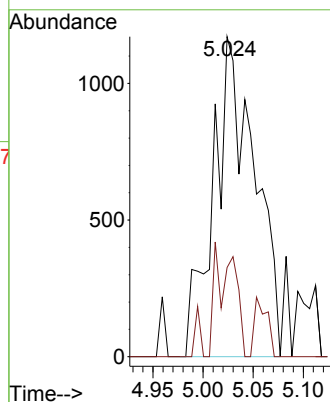
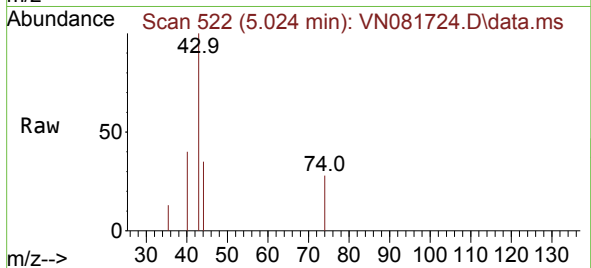




#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

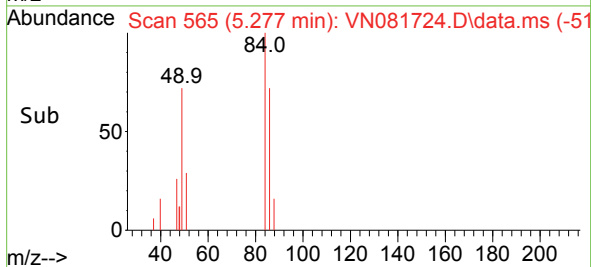
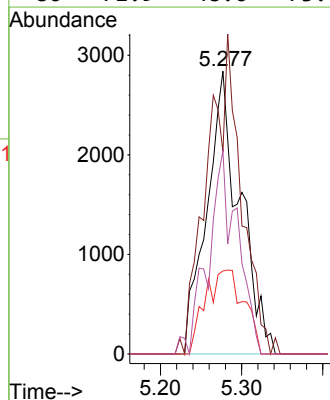
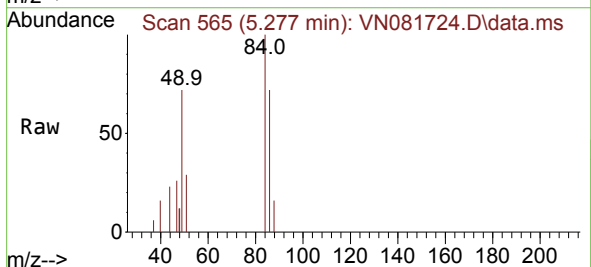
Instrument :
MSVOA_N
ClientSampleId :

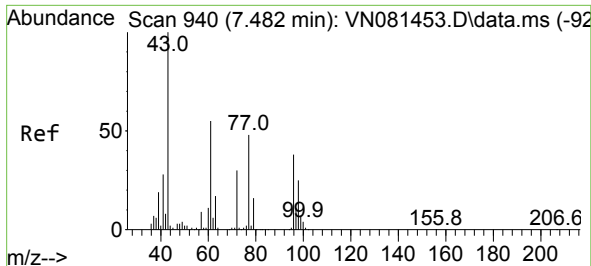
Tgt Ion: 43 Resp: 3352
Ion Ratio Lower Upper
43 100
74 16.2 17.3 25.9#



#20
Methylene Chloride
Concen: 2.398 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

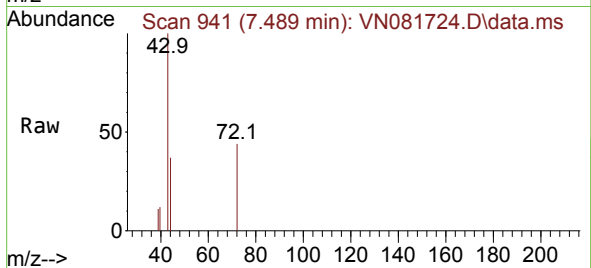
Tgt Ion: 84 Resp: 8059
Ion Ratio Lower Upper
84 100
49 71.5 108.1 162.1#
51 29.4 32.9 49.3#
86 71.9 48.6 73.0



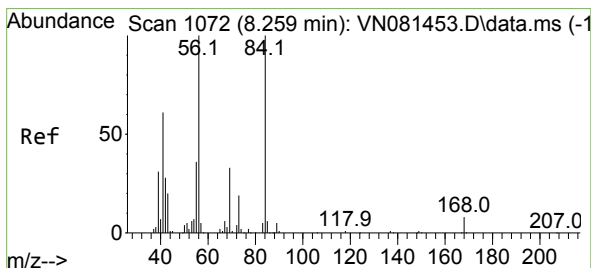
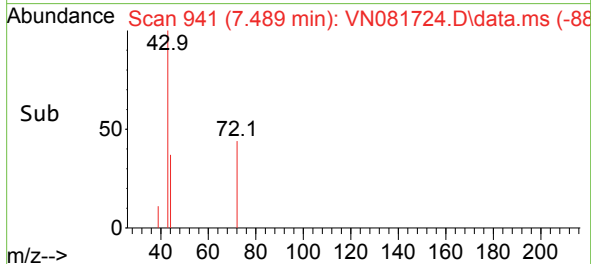
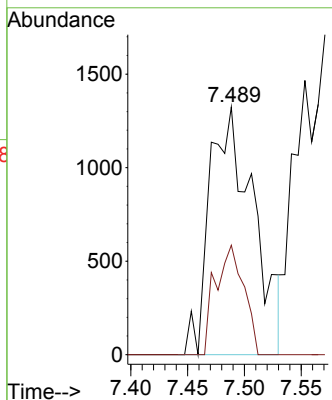


#25
2-Butanone
Concen: 2.011 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Instrument :
MSVOA_N
ClientSampleId :

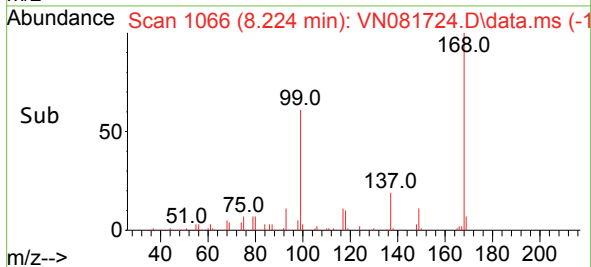
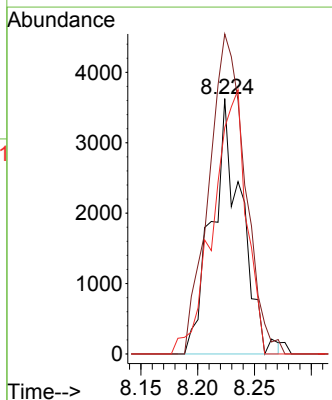
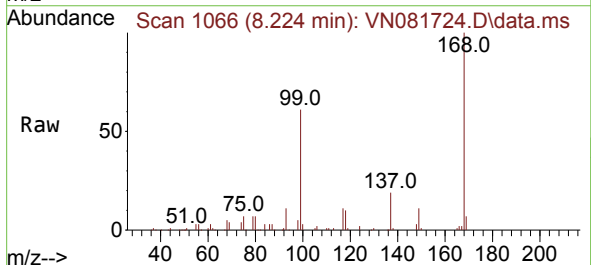


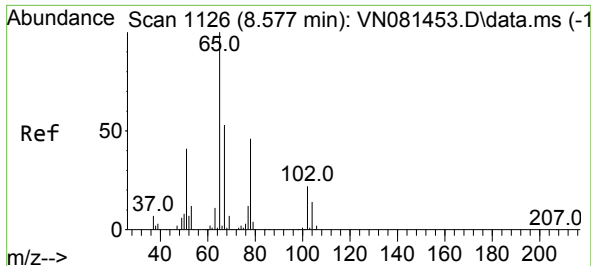
Tgt Ion: 43 Resp: 3539
Ion Ratio Lower Upper
43 100
72 44.2 19.5 29.3#



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Tgt Ion: 56 Resp: 6576
Ion Ratio Lower Upper
56 100
69 125.3 20.1 30.1#
84 88.7 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 61.471 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

Instrument :

MSVOA_N

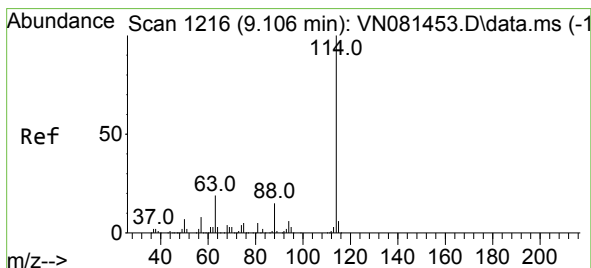
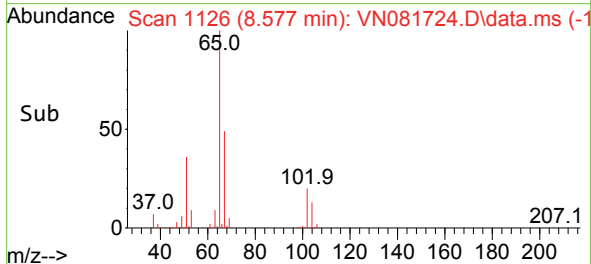
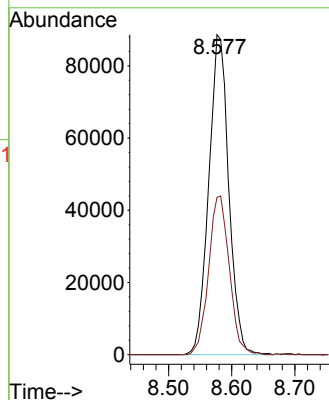
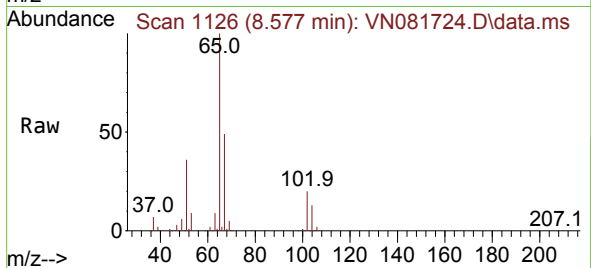
ClientSampleId :

Tgt Ion: 65 Resp: 195185

Ion Ratio Lower Upper

65 100

67 51.2 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: VN081724.D

Acq: 12 Apr 2024 17:43

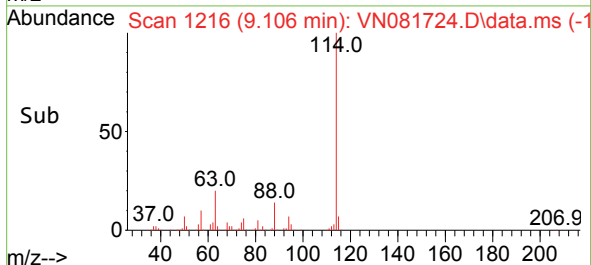
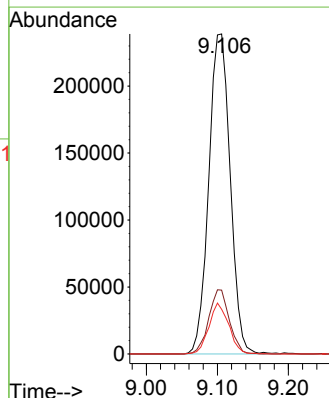
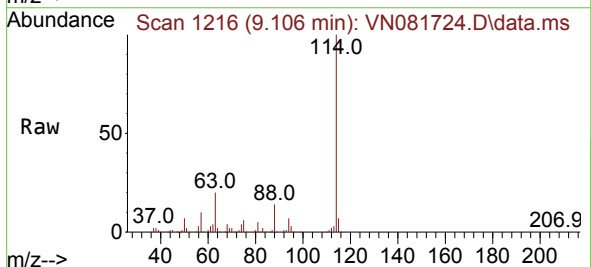
Tgt Ion: 114 Resp: 501150

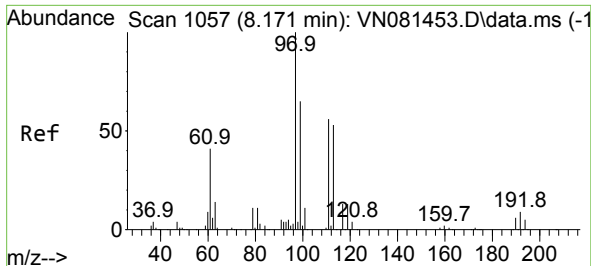
Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

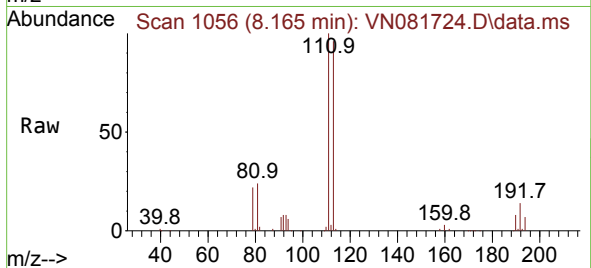
88 14.0 0.0 34.8



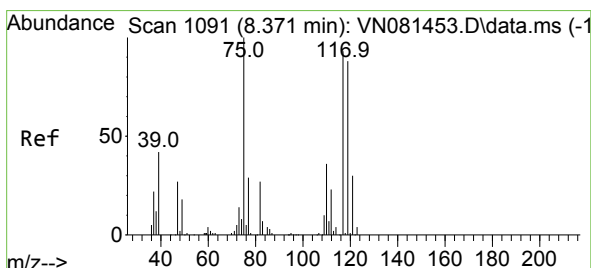
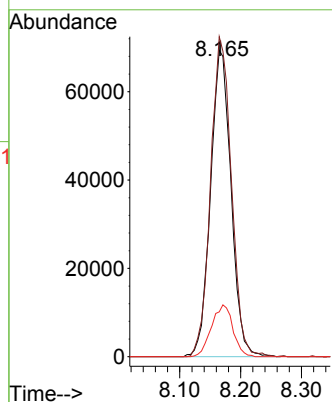
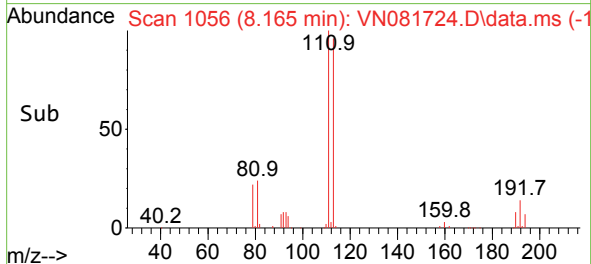


#35
Dibromofluoromethane
Concen: 51.468 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

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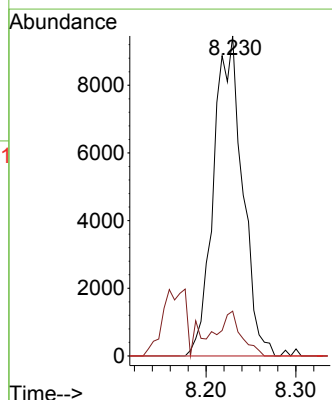
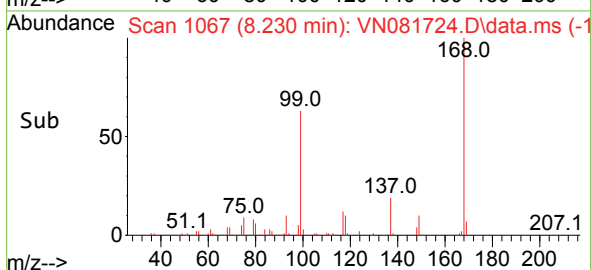
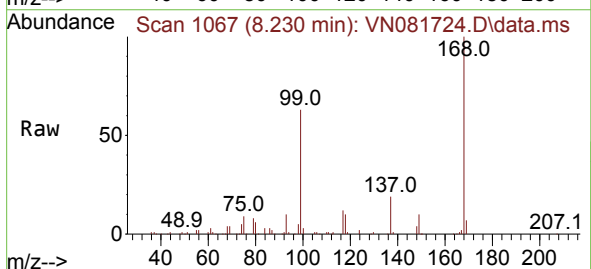


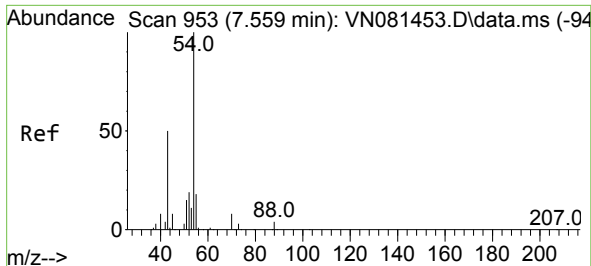
Tgt Ion:113 Resp: 162782
Ion Ratio Lower Upper
113 100
111 105.5 82.2 123.4
192 17.6 12.5 18.7



#36
1,1-Dichloropropene
Concen: 3.967 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

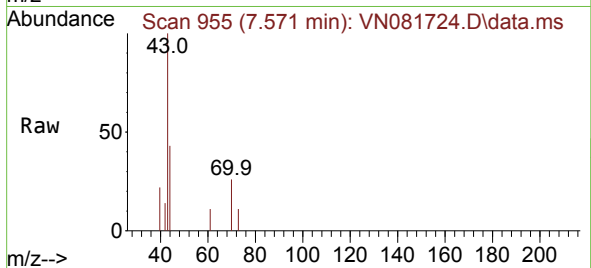
Tgt Ion: 75 Resp: 21115
Ion Ratio Lower Upper
75 100
110 11.1 16.0 48.0#
77 0.0 25.8 38.6#



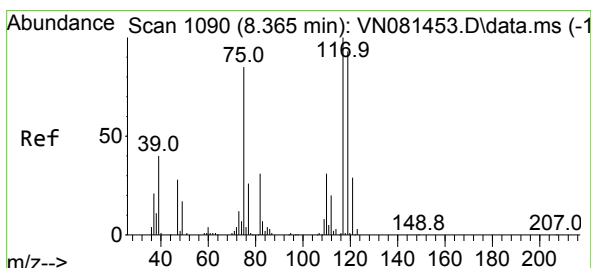
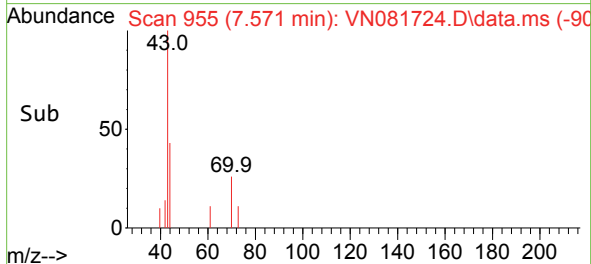
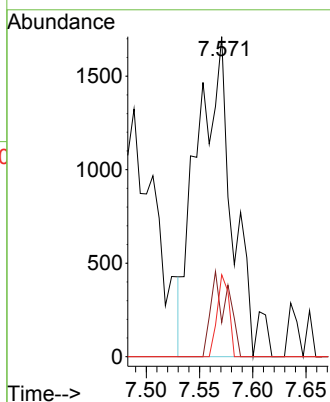


#37
Ethyl Acetate
Concen: 0.877 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Instrument :
MSVOA_N
ClientSampleId :

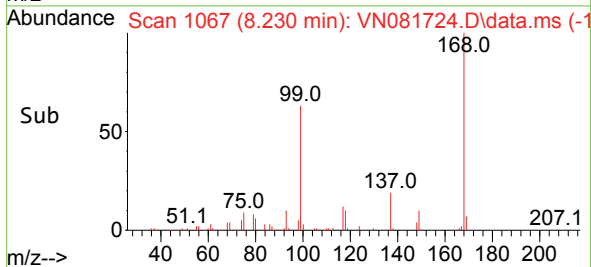
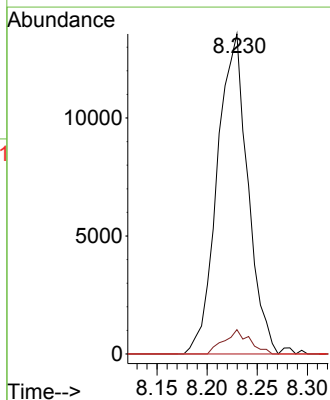
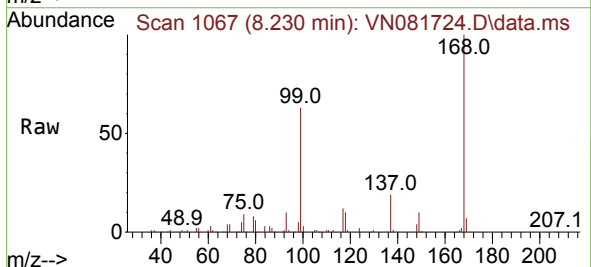


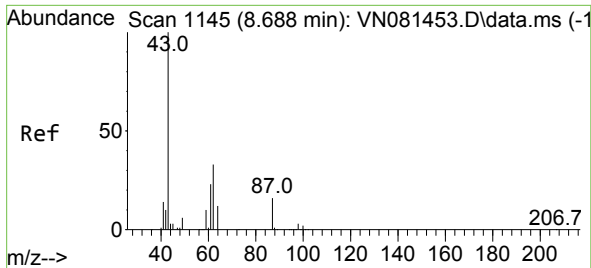
Tgt Ion: 43 Resp: 3999
Ion Ratio Lower Upper
43 100
61 12.7 10.6 15.8
70 8.4 8.0 12.0



#38
Carbon Tetrachloride
Concen: 4.928 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

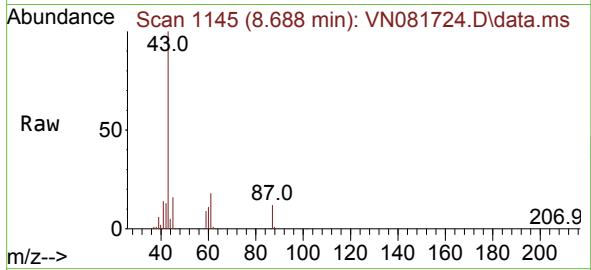
Tgt Ion: 117 Resp: 28735
Ion Ratio Lower Upper
117 100
119 7.6 73.4 110.2#
121 0.0 24.4 36.6#



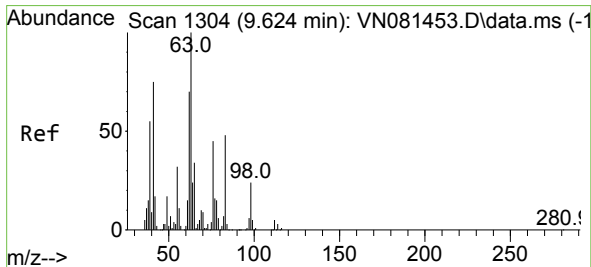
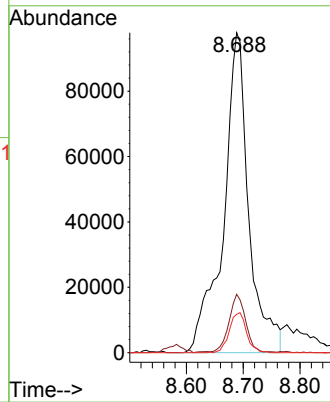
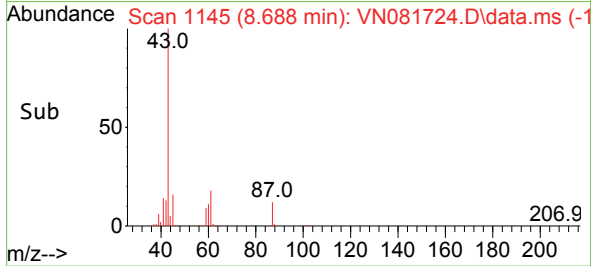


#43
Isopropyl Acetate
Concen: 40.149 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

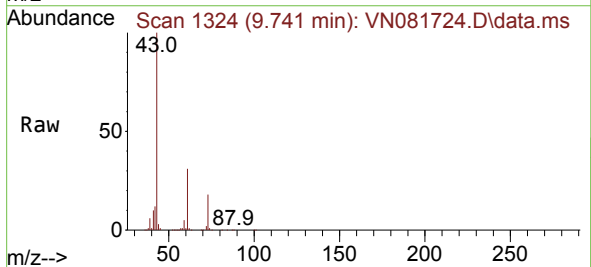
Instrument :
MSVOA_N
ClientSampleId :



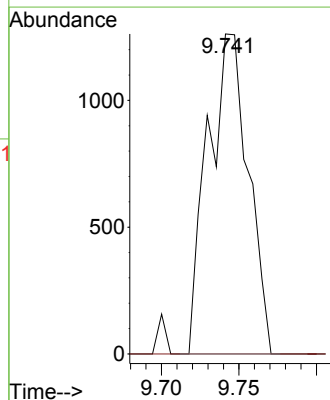
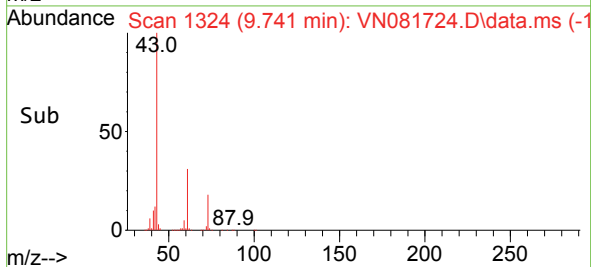
Tgt Ion: 43 Resp: 303323
Ion Ratio Lower Upper
43 100
61 12.0 19.9 29.9#
87 8.5 9.0 13.6#

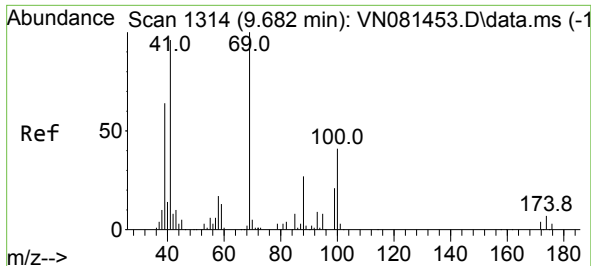


#45
1,2-Dichloropropane
Concen: 0.607 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43



Tgt Ion: 63 Resp: 2288
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 43.976 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :

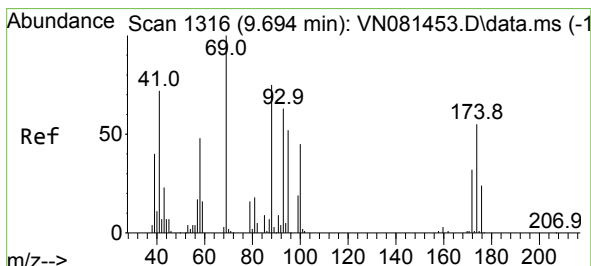
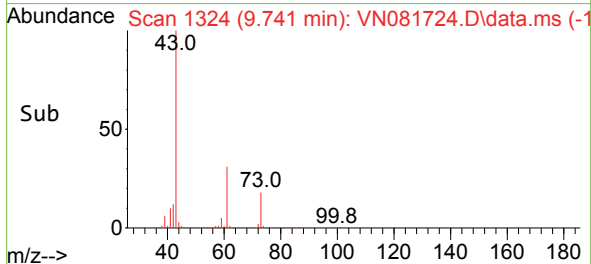
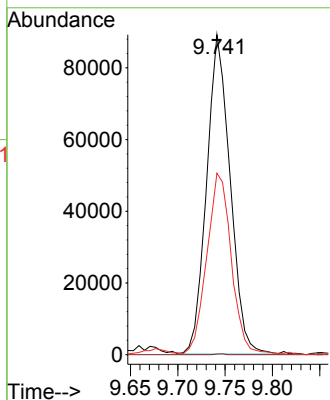
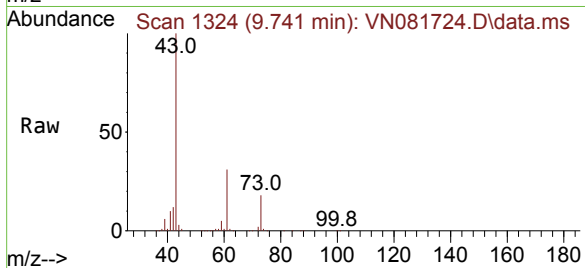
Tgt Ion: 41 Resp: 153240

Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.2#

39 58.6 47.6 71.4



#49

1,4-Dioxane

Concen: 1.958 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.012 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

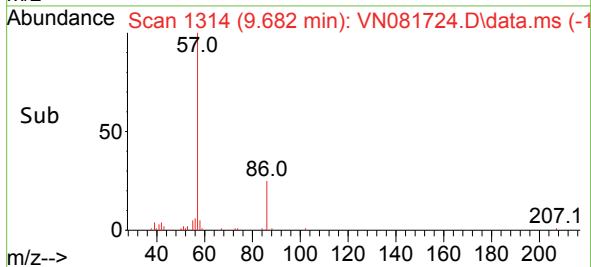
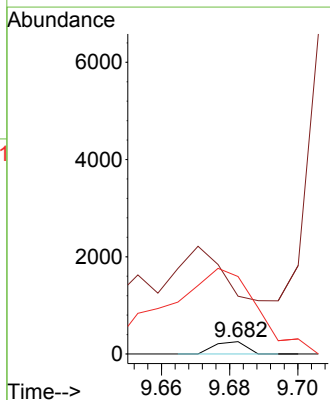
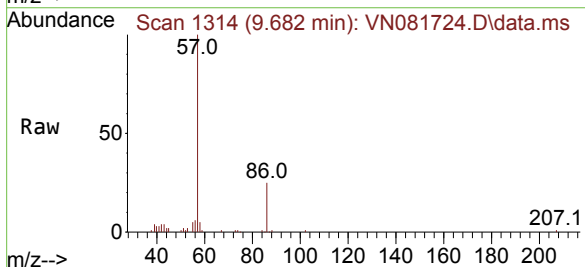
Tgt Ion: 88 Resp: 164

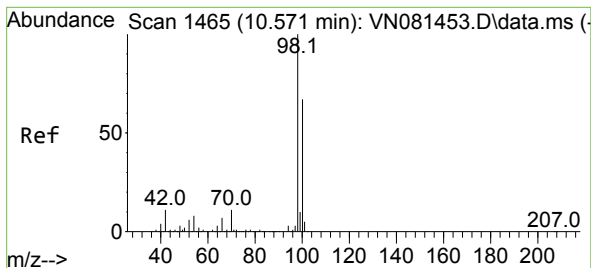
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 2081.1 63.9 95.9#

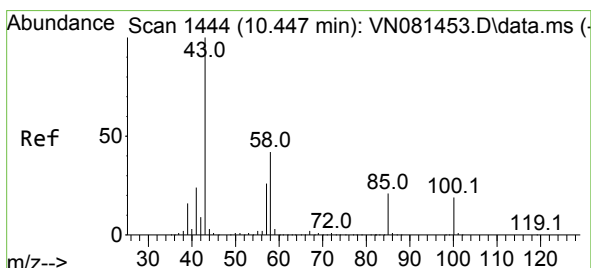
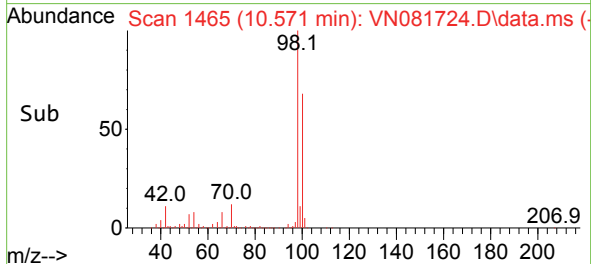
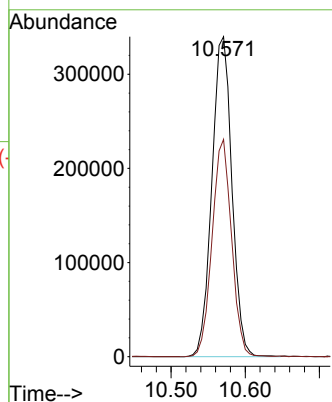
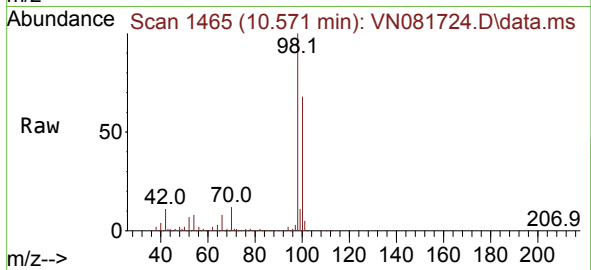




#50
Toluene-d8
Concen: 55.757 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

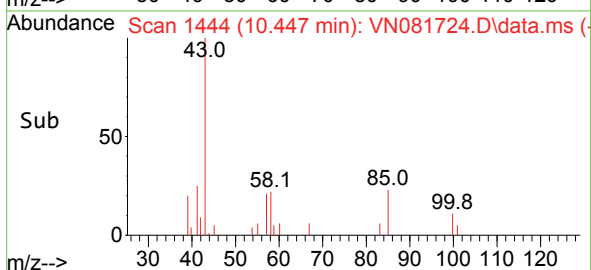
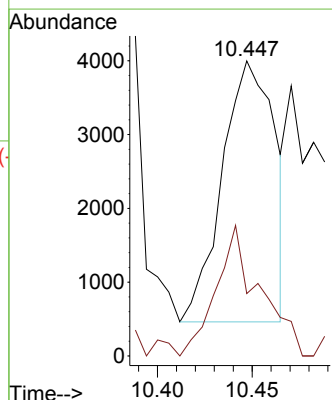
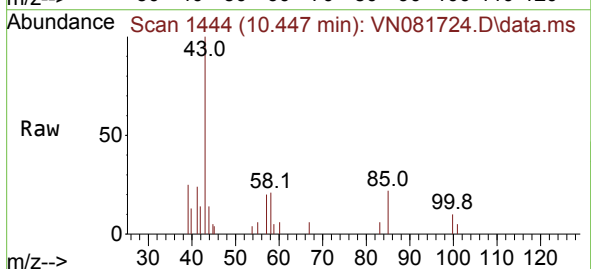
Instrument :
MSVOA_N
ClientSampleId :

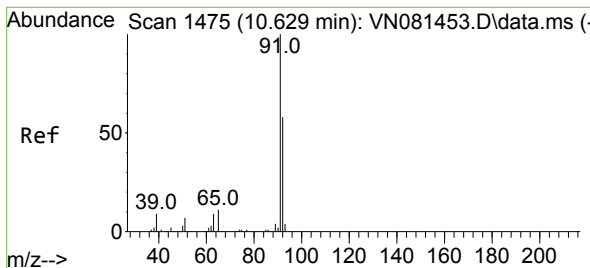
Tgt Ion: 98 Resp: 637470
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.484 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Tgt Ion: 43 Resp: 6841
Ion Ratio Lower Upper
43 100
58 41.2 29.4 44.0





#52

Toluene

Concen: 0.373 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

Instrument :

MSVOA_N

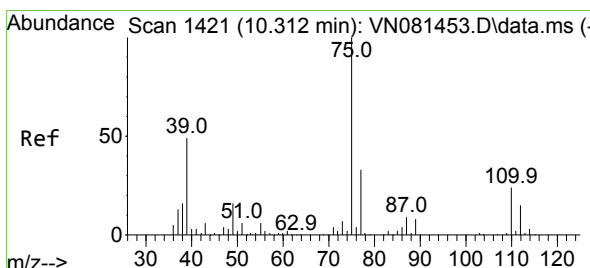
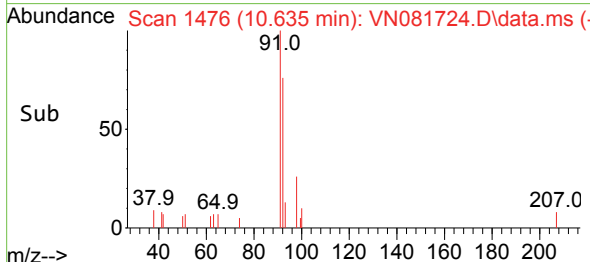
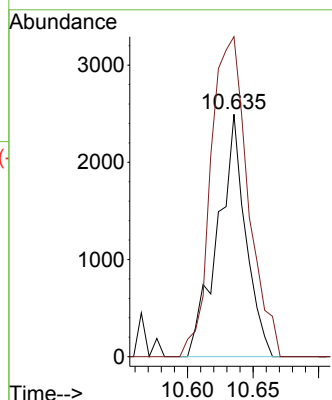
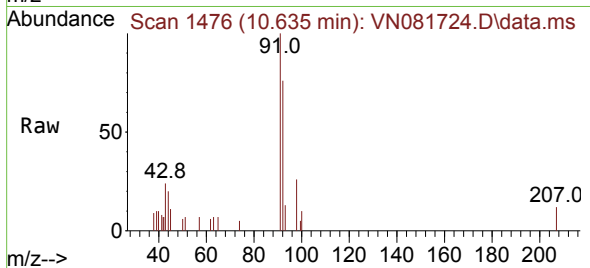
ClientSampleId :

Tgt Ion: 92 Resp: 3694

Ion Ratio Lower Upper

92 100

91 175.2 139.4 209.0



#54

cis-1,3-Dichloropropene

Concen: 10.157 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

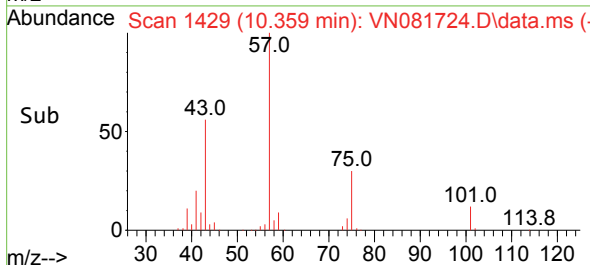
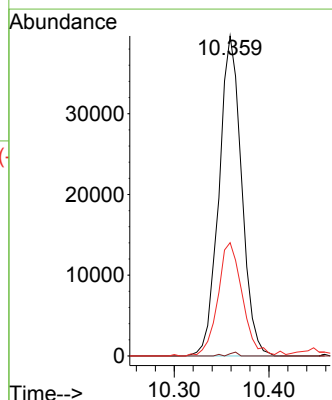
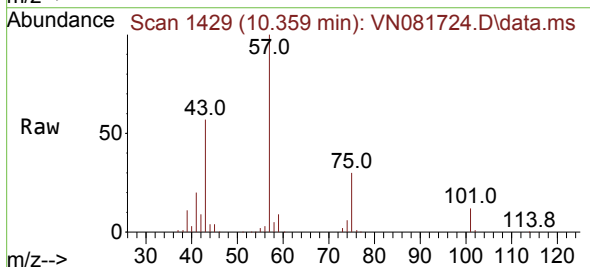
Tgt Ion: 75 Resp: 65842

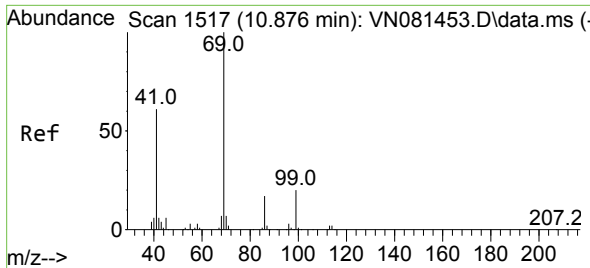
Ion Ratio Lower Upper

75 100

77 0.7 23.3 34.9#

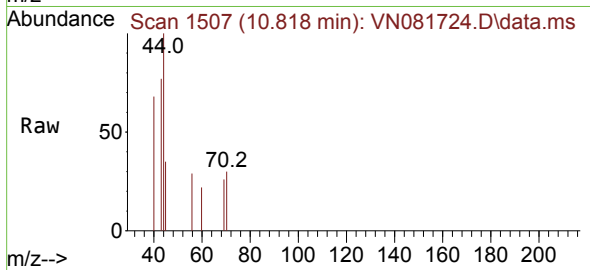
39 35.4 44.6 66.8#



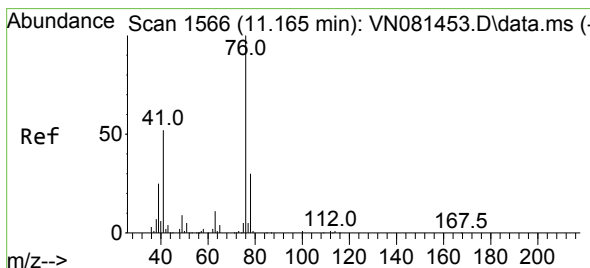
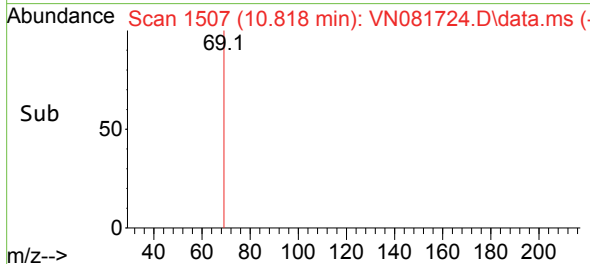
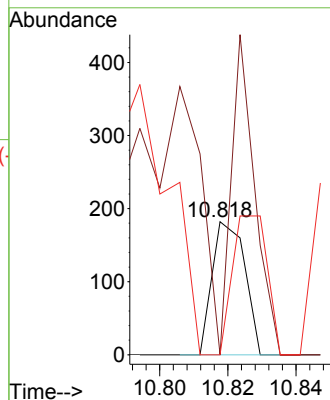


#56
Ethyl methacrylate
Concen: 0.593 ug/l
RT: 10.818 min Scan# 11
Delta R.T. -0.058 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Instrument :
MSVOA_N
ClientSampleId :

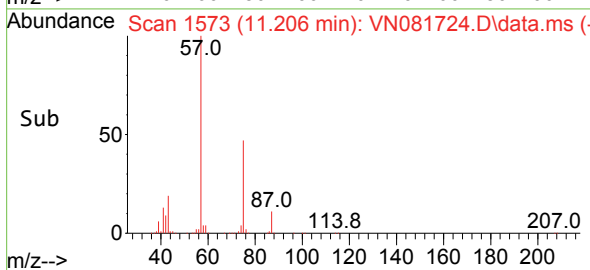
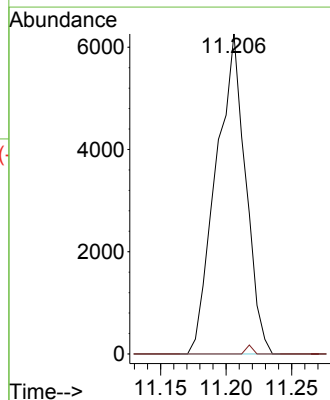
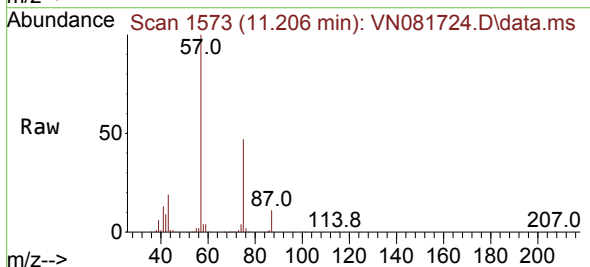


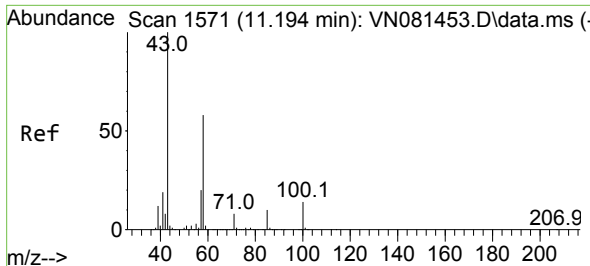
Tgt Ion: 69 Resp: 121
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.504 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Tgt Ion: 76 Resp: 9811
Ion Ratio Lower Upper
76 100
78 0.6 25.5 38.3#

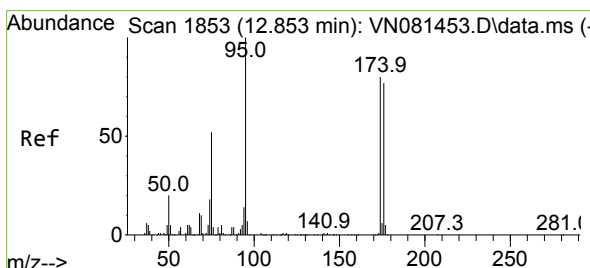
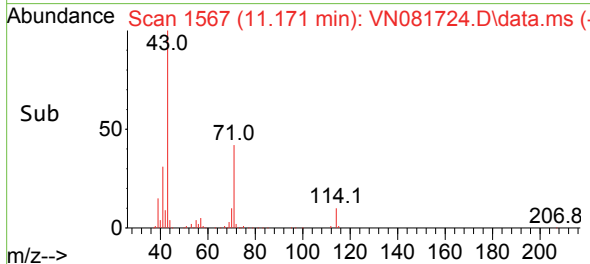
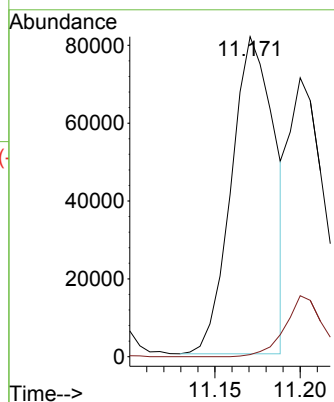
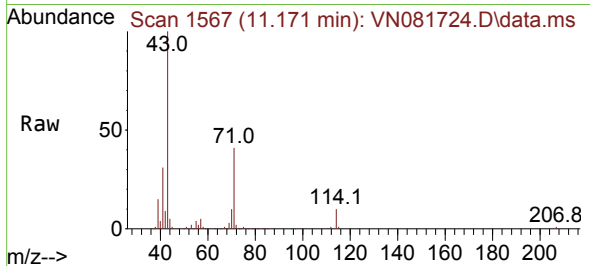




#59
2-Hexanone
Concen: 42.085 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

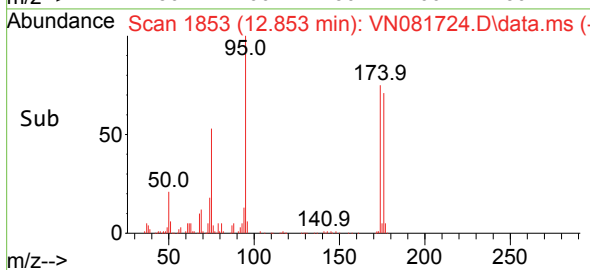
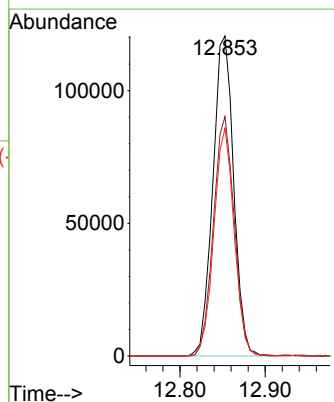
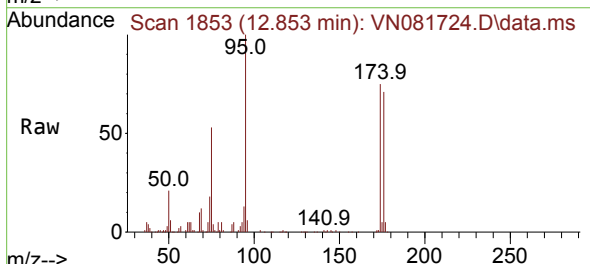
Instrument :
MSVOA_N
ClientSampleId :

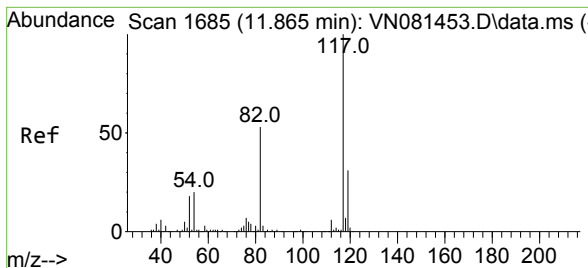
Tgt Ion: 43 Resp: 143440
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.782 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Tgt Ion: 95 Resp: 204579
Ion Ratio Lower Upper
95 100
174 74.6 0.0 120.4
176 69.5 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

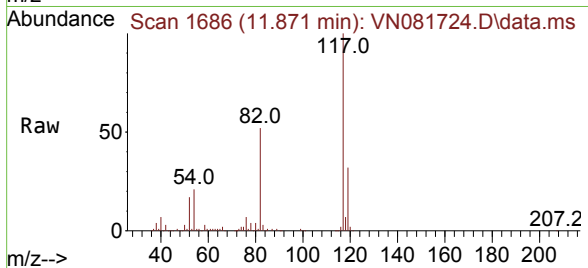
Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :



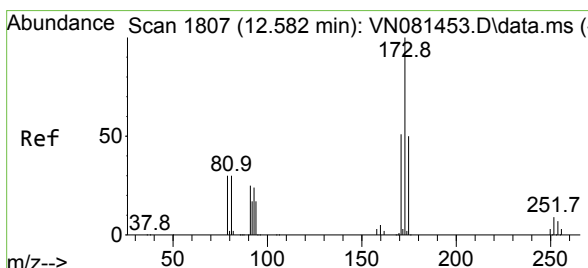
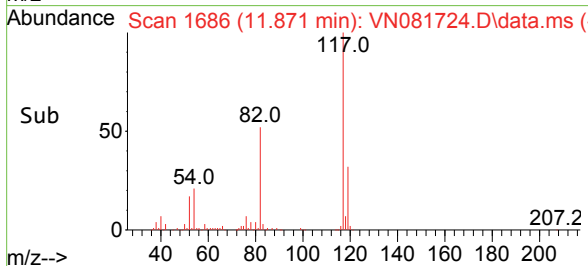
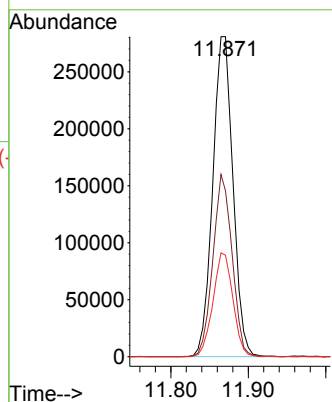
Tgt Ion:117 Resp: 509113

Ion Ratio Lower Upper

117 100

82 51.9 52.7 79.1#

119 31.7 25.3 37.9



#71

Bromoform

Concen: 0.549 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

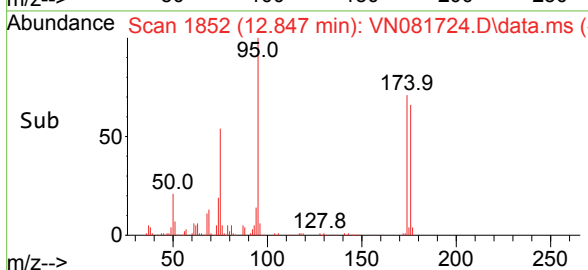
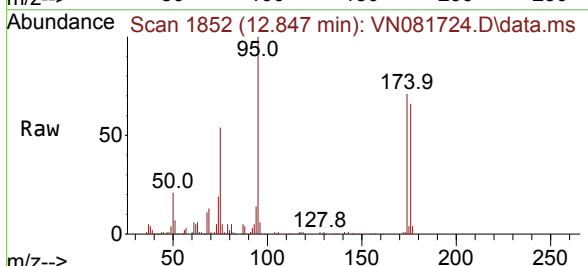
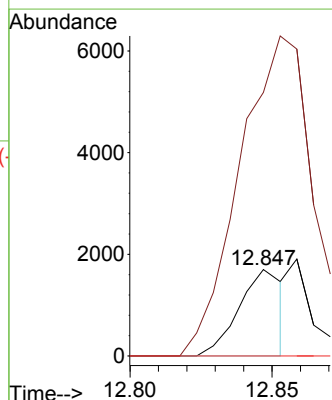
Tgt Ion:173 Resp: 1840

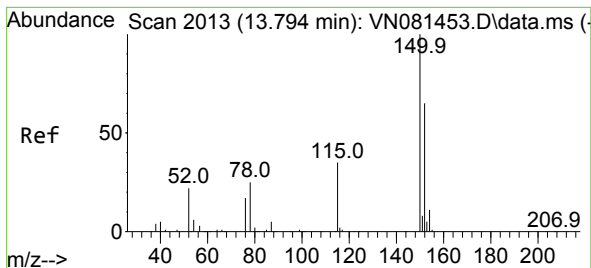
Ion Ratio Lower Upper

173 100

175 509.7 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

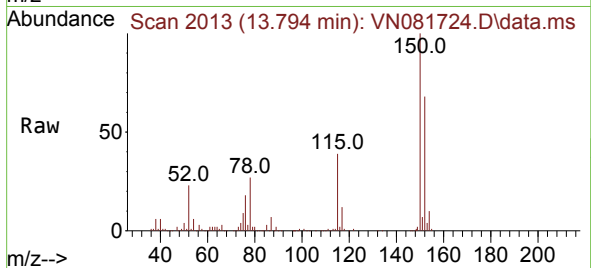
Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :



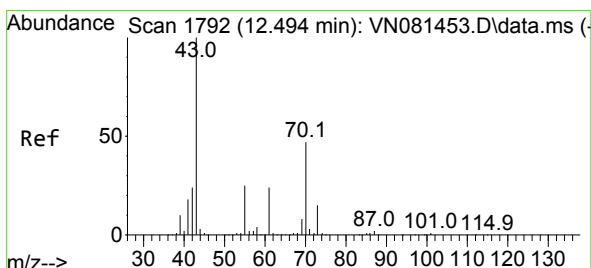
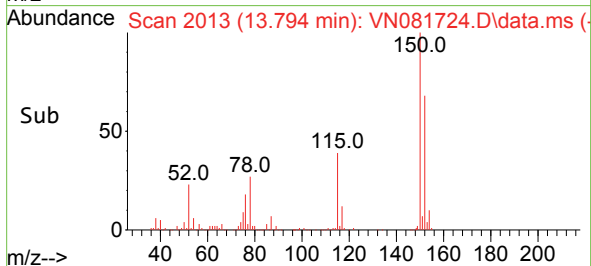
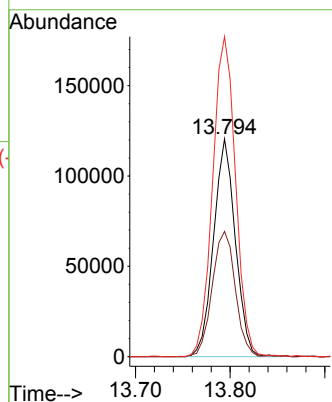
Tgt Ion:152 Resp: 192425

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 154.7 0.0 339.8



#74

N-ethyl acetate

Concen: 4.793 ug/l

RT: 12.306 min Scan# 1760

Delta R.T. -0.188 min

Lab File: VN081724.D

Acq: 12 Apr 2024 17:43

Tgt Ion: 43 Resp: 28453

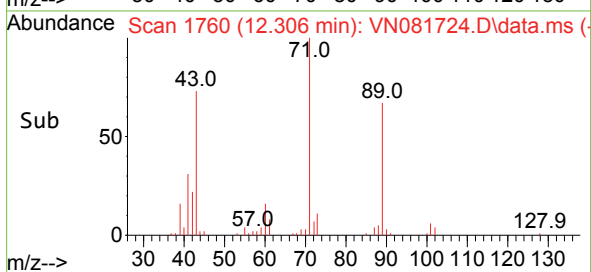
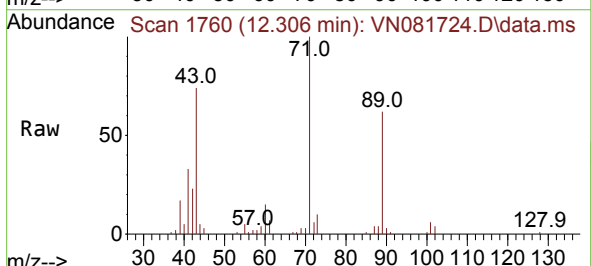
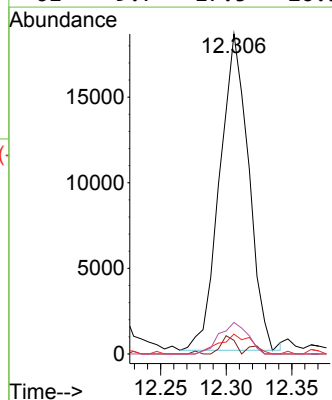
Ion Ratio Lower Upper

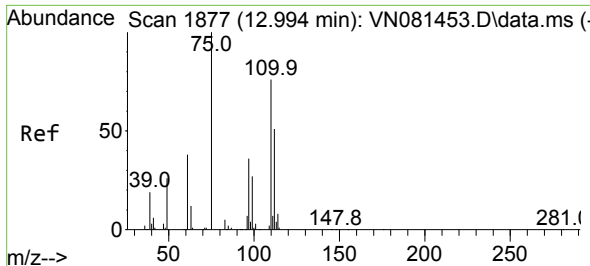
43 100

70 3.8 30.1 45.1#

55 6.7 17.0 25.4#

61 9.7 17.5 26.3#

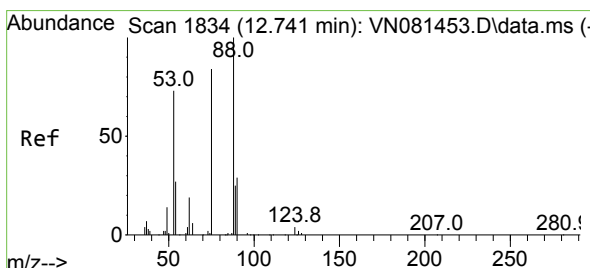
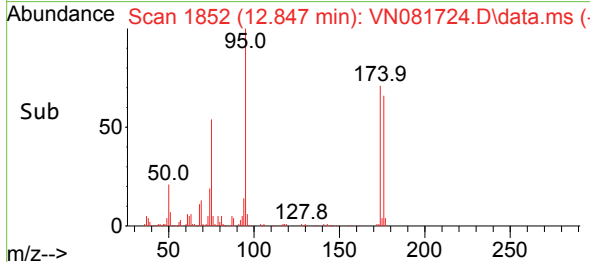
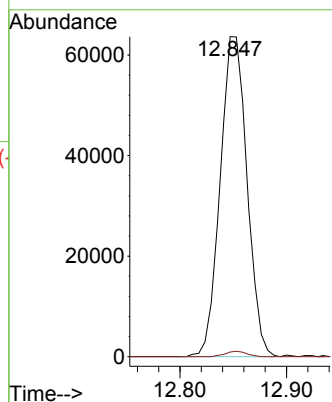
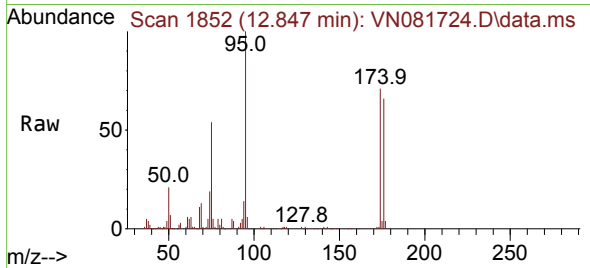




#76
1,2,3-Trichloropropane
Concen: 24.208 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 111425
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.417 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081724.D
Acq: 12 Apr 2024 17:43

Tgt Ion: 75 Resp: 111425
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.1 33.4 50.0#

