

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081722.D
 Acq On : 12 Apr 2024 16:55
 Operator : JC\MD
 Sample : P2070-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:58:55 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

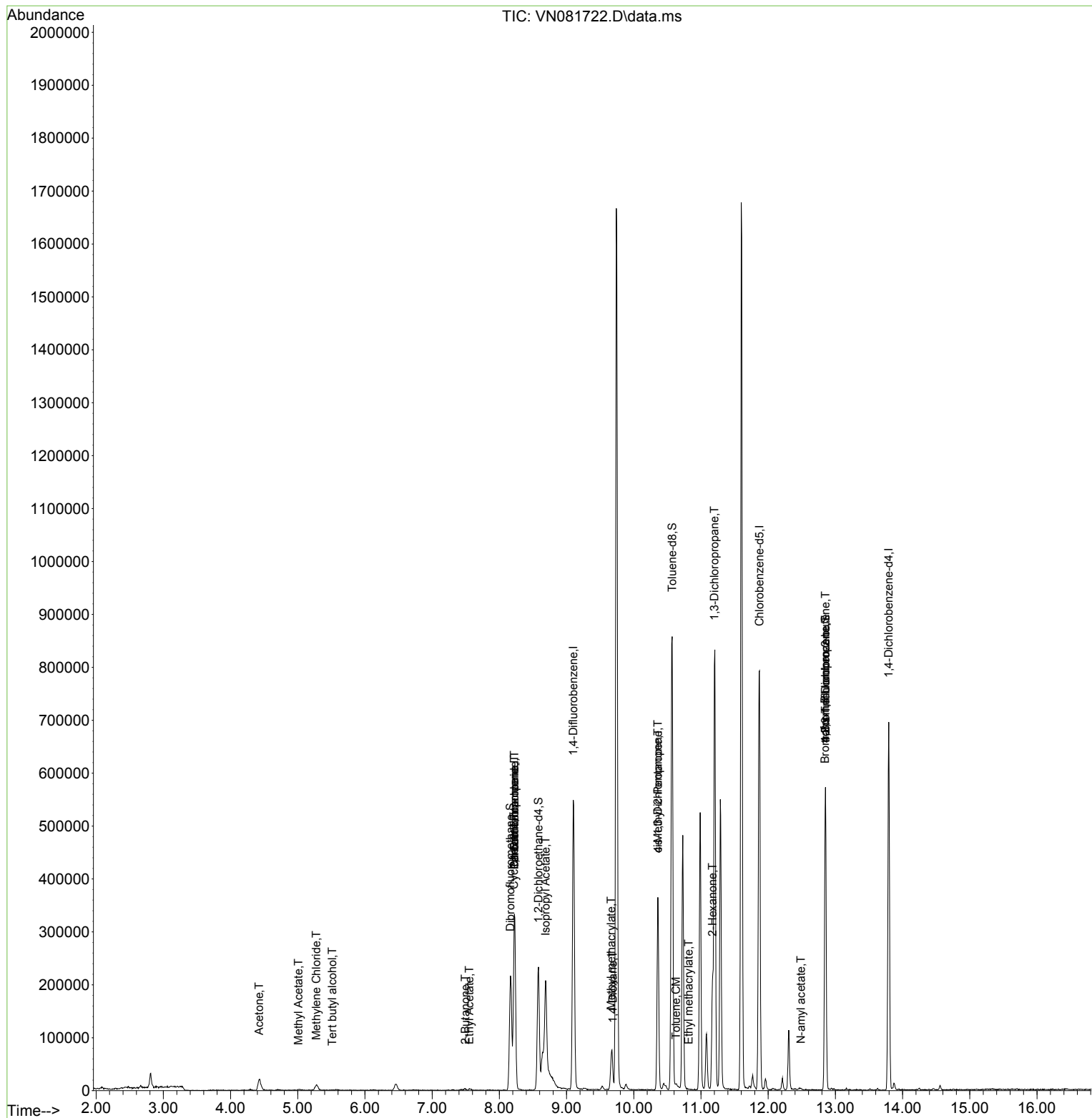
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	234032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	470225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	483161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	193983	64.996	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 130.000%#	
35) Dibromofluoromethane	8.165	113	152413	51.359	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.720%	
50) Toluene-d8	10.571	98	612111	57.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 114.120%#	
62) 4-Bromofluorobenzene	12.853	95	196412	51.961	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 103.920%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	279	0.536	ug/l #	72
16) Acetone	4.424	43	39231	40.674	ug/l	99
18) Methyl Acetate	5.012	43	1782	0.599	ug/l #	91
20) Methylene Chloride	5.277	84	8715	2.758	ug/l #	73
25) 2-Butanone	7.494	43	4318	2.610	ug/l #	75
31) Cyclohexane	8.218	56	7024	1.446	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	21276	4.260	ug/l #	53
37) Ethyl Acetate	7.553	43	4316	1.009	ug/l #	85
38) Carbon Tetrachloride	8.224	117	25365	4.636	ug/l #	19
43) Isopropyl Acetate	8.688	43	305037	43.032	ug/l #	79
48) Methyl methacrylate	9.665	41	4954	1.515	ug/l #	15
49) 1,4-Dioxane	9.688	88	62	0.789	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	125898	29.106	ug/l #	51
52) Toluene	10.629	92	4399	0.474	ug/l	87
54) cis-1,3-Dichloropropene	10.359	75	65170	10.714	ug/l #	64
56) Ethyl methacrylate	10.818	69	108	0.592	ug/l #	20
57) 1,3-Dichloropropane	11.200	76	9475	1.548	ug/l #	43
59) 2-Hexanone	11.171	43	139723	43.691	ug/l #	26
71) Bromoform	12.847	173	1290	0.406	ug/l #	1
74) N-amyl acetate	12.488	43	1147	0.208	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	105039	24.525	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	105039	66.274	ug/l #	14

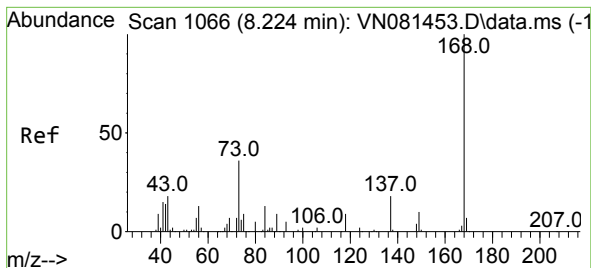
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
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MSVOA_N
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Quant Time: Apr 13 06:58:55 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: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081722.D

Acq: 12 Apr 2024 16:55

Instrument :

MSVOA_N

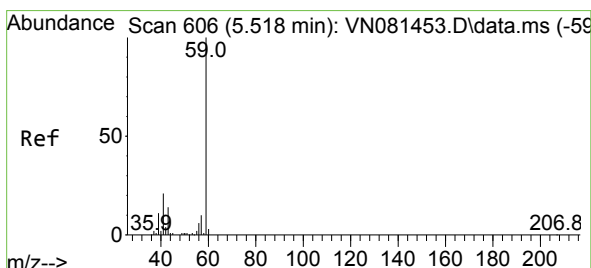
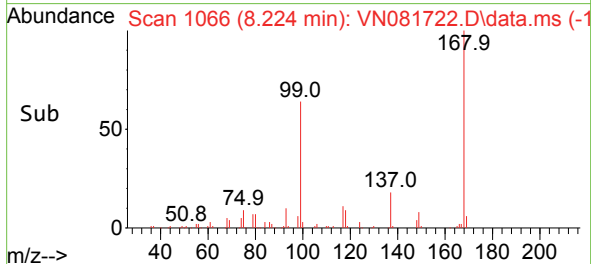
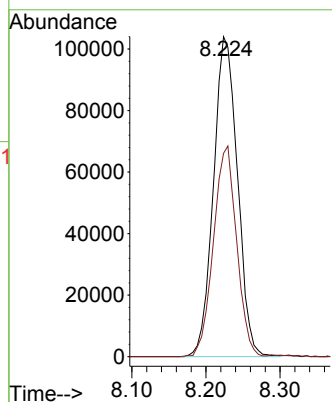
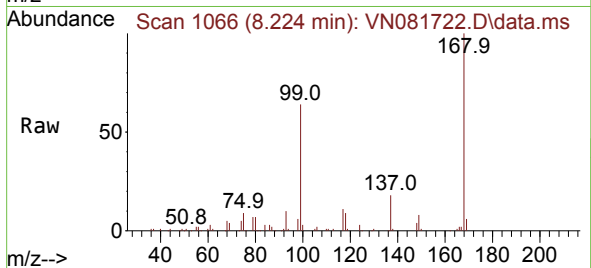
ClientSampleId :

Tgt Ion:168 Resp: 234032

Ion Ratio Lower Upper

168 100

99 63.6 59.9 89.9



#11

Tert butyl alcohol

Concen: 0.536 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN081722.D

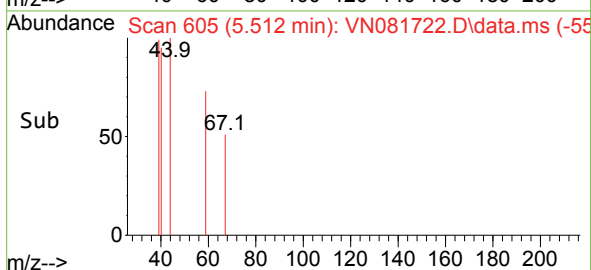
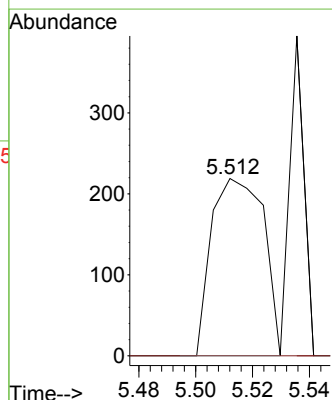
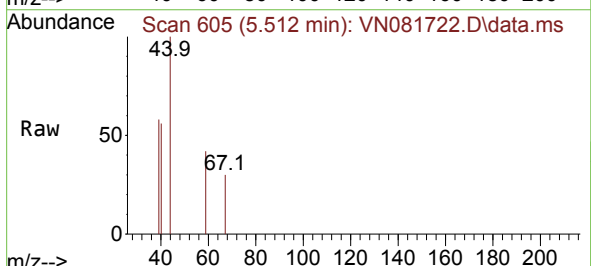
Acq: 12 Apr 2024 16:55

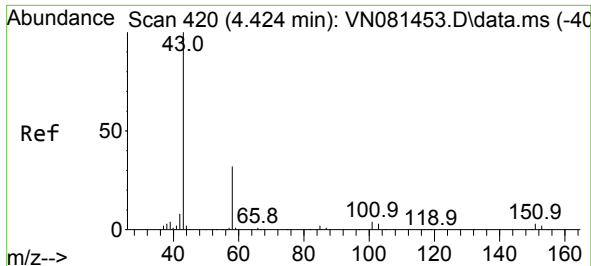
Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

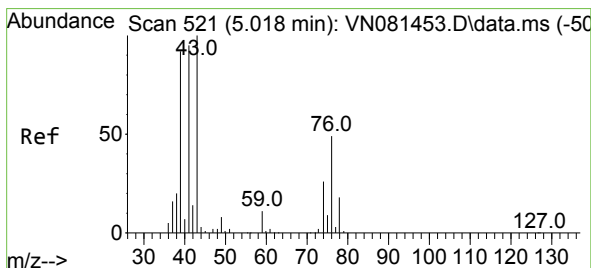
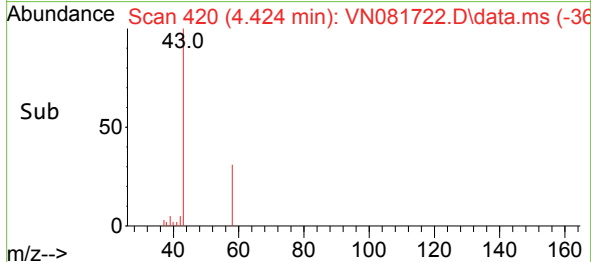
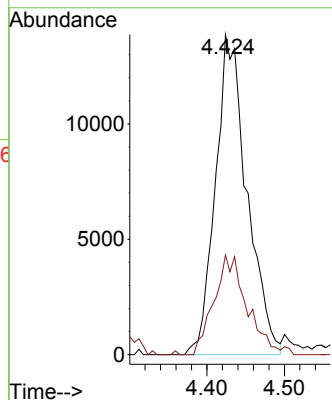
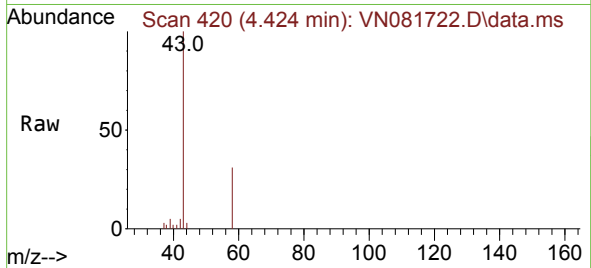




#16
Acetone
Concen: 40.674 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

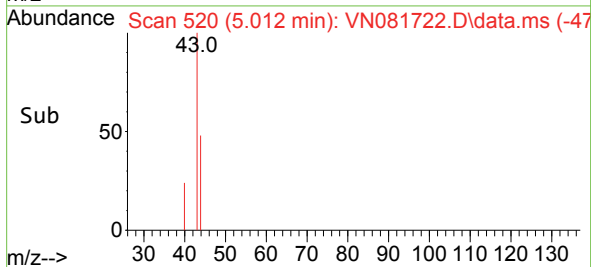
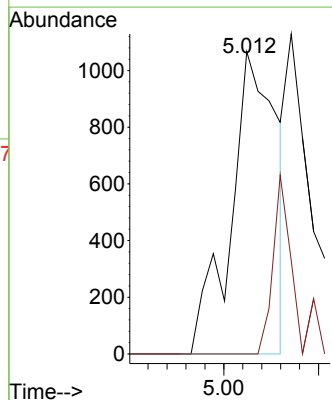
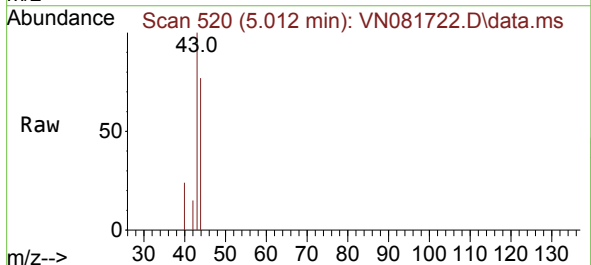
Instrument :
MSVOA_N
ClientSampleId :

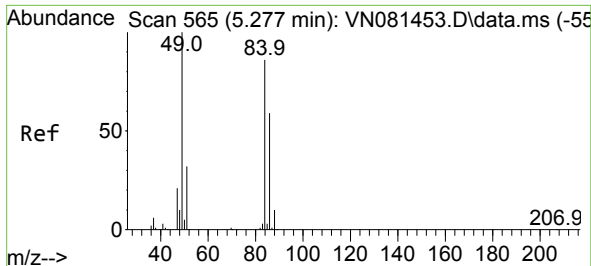
Tgt Ion: 43 Resp: 39231
Ion Ratio Lower Upper
43 100
58 31.6 24.8 37.2



#18
Methyl Acetate
Concen: 0.599 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

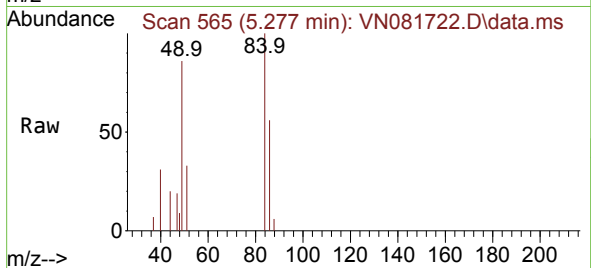
Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
74 26.0 17.3 25.9#



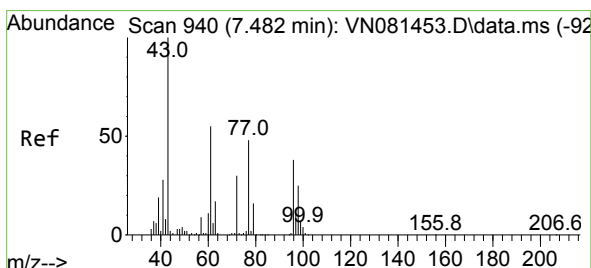
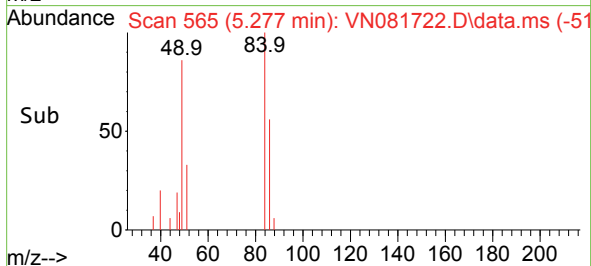
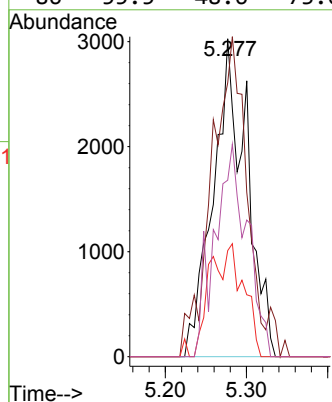


#20
Methylene Chloride
Concen: 2.758 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

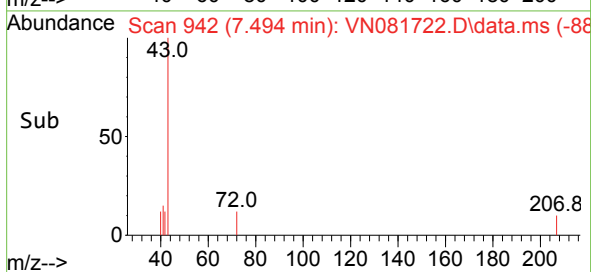
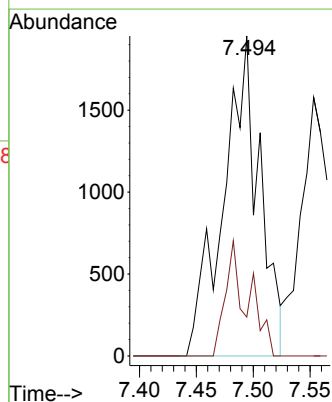
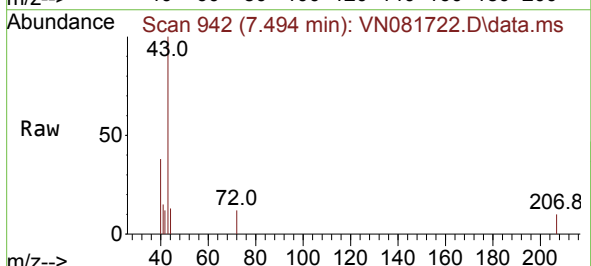


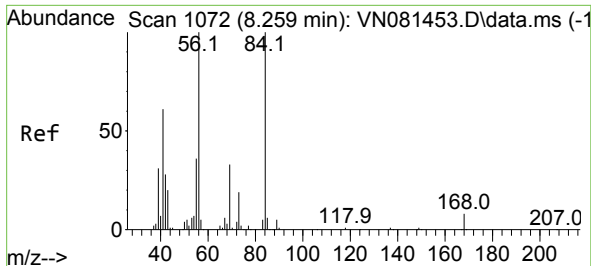
Tgt Ion: 84 Resp: 8715
Ion Ratio Lower Upper
84 100
49 86.2 108.1 162.1#
51 33.4 32.9 49.3
86 55.5 48.6 73.0



#25
2-Butanone
Concen: 2.610 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

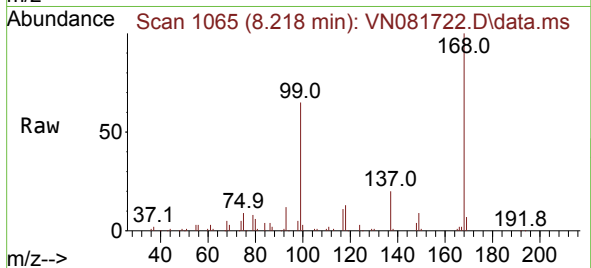
Tgt Ion: 43 Resp: 4318
Ion Ratio Lower Upper
43 100
72 12.1 19.5 29.3#



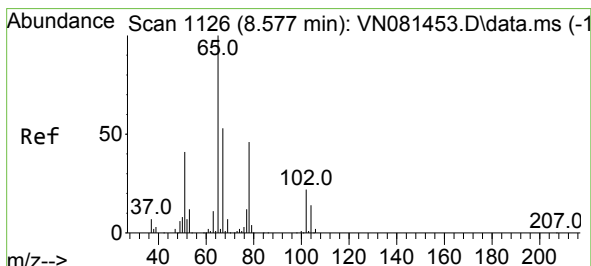
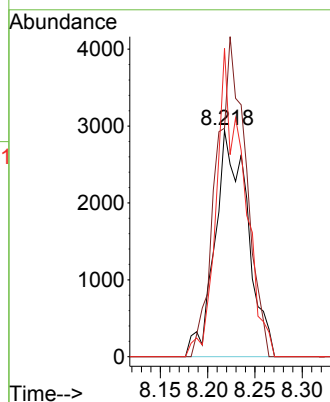
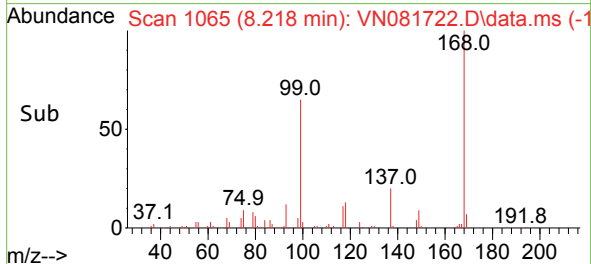


#31
Cyclohexane
Concen: 1.446 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

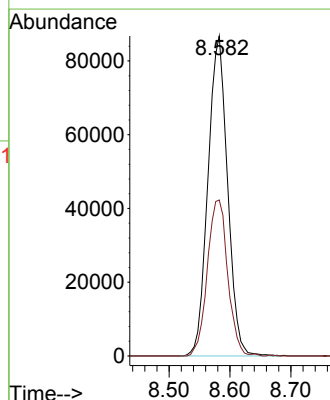
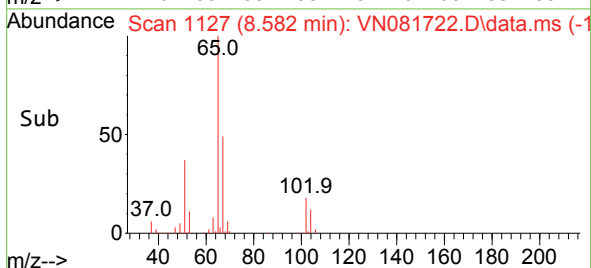
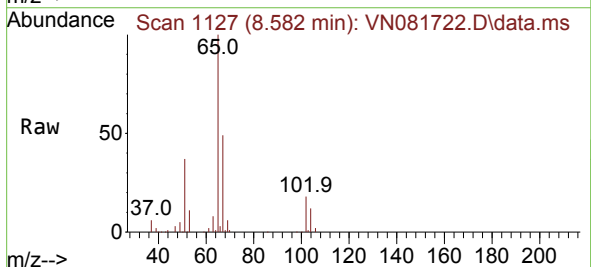


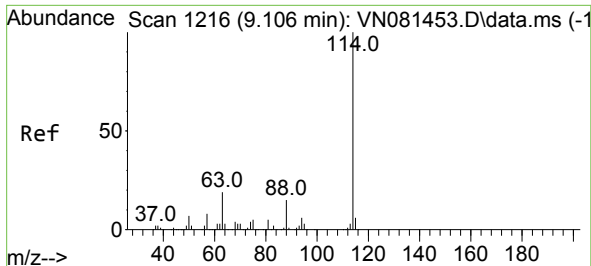
Tgt Ion: 56 Resp: 7024
Ion Ratio Lower Upper
56 100
69 101.0 20.1 30.1#
84 136.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 64.996 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

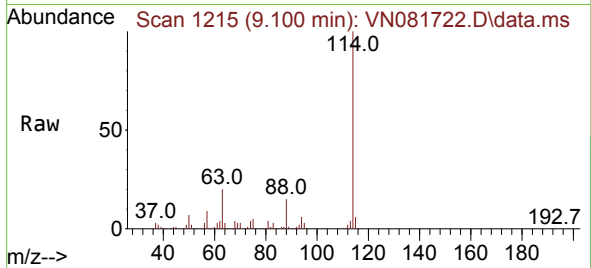
Tgt Ion: 65 Resp: 193983
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4



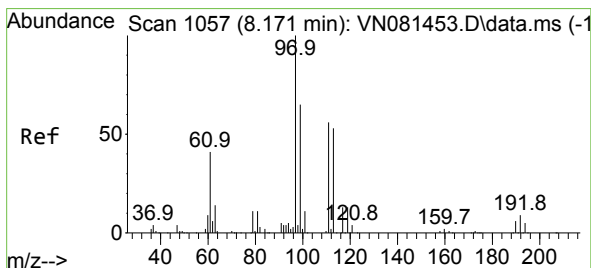
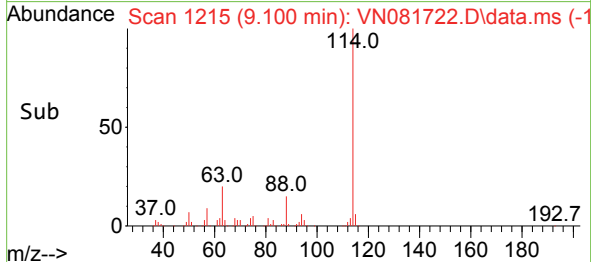
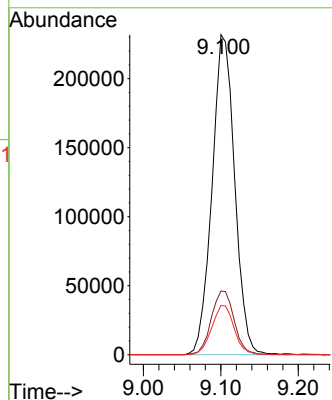


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

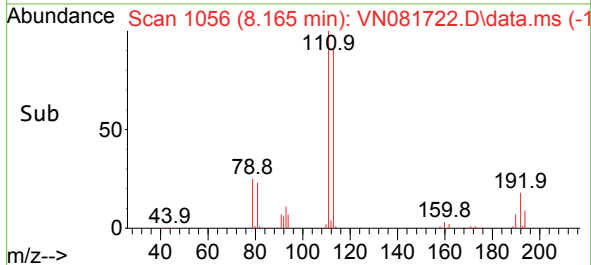
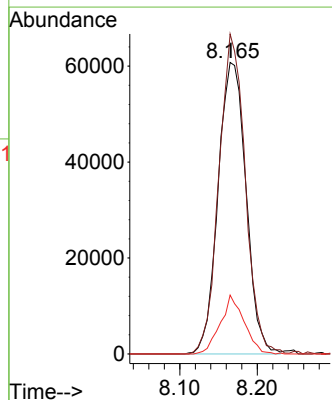
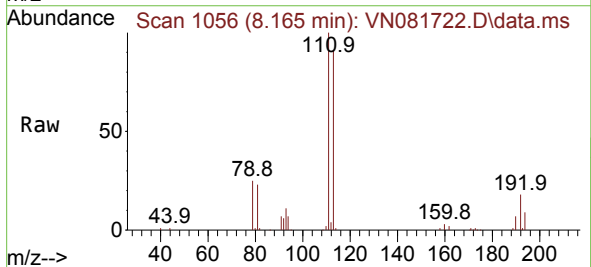


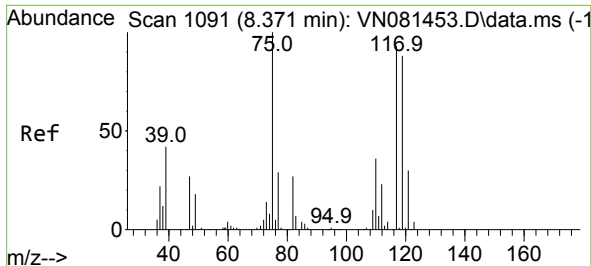
Tgt Ion:114 Resp: 470225
Ion Ratio Lower Upper
114 100
63 19.9 0.0 48.0
88 15.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.359 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

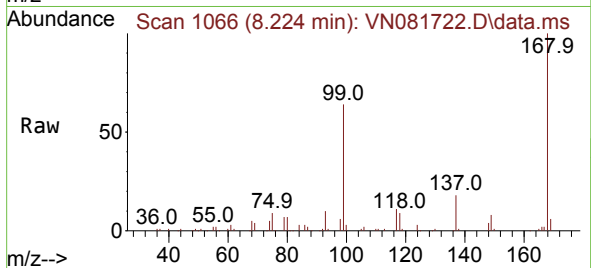
Tgt Ion:113 Resp: 152413
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 17.3 12.5 18.7



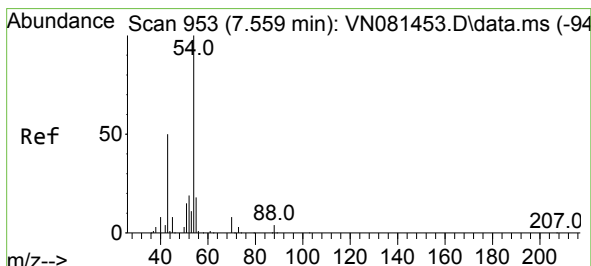
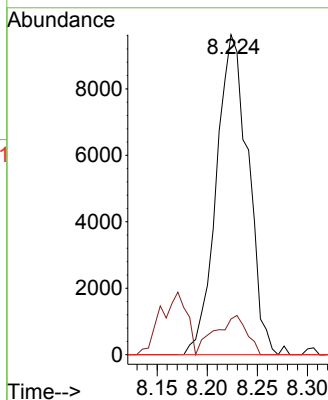
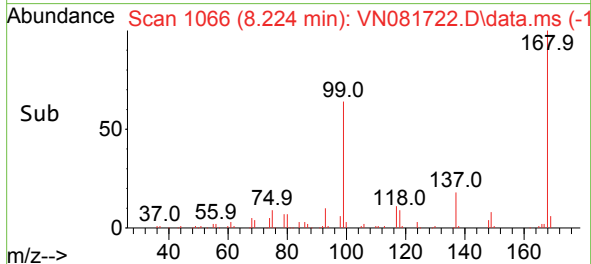


#36
1,1-Dichloropropene
Concen: 4.260 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

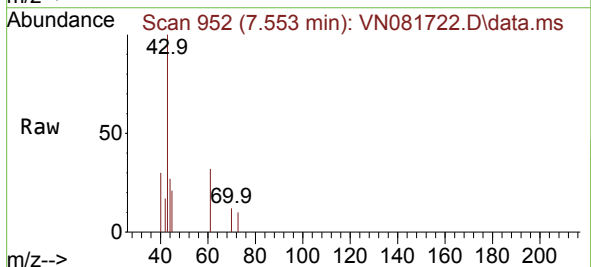
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ClientSampleId :



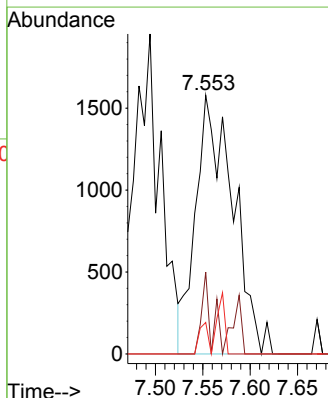
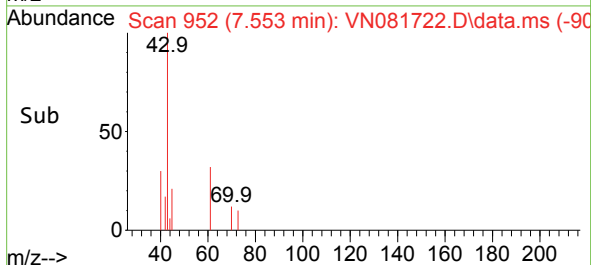
Tgt Ion: 75 Resp: 21276
Ion Ratio Lower Upper
75 100
110 12.2 16.0 48.0#
77 0.0 25.8 38.6#

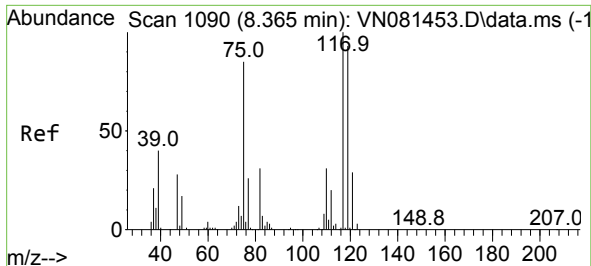


#37
Ethyl Acetate
Concen: 1.009 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55



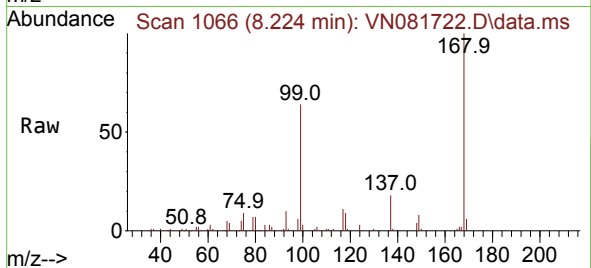
Tgt Ion: 43 Resp: 4316
Ion Ratio Lower Upper
43 100
61 8.3 10.6 15.8#
70 2.9 8.0 12.0#



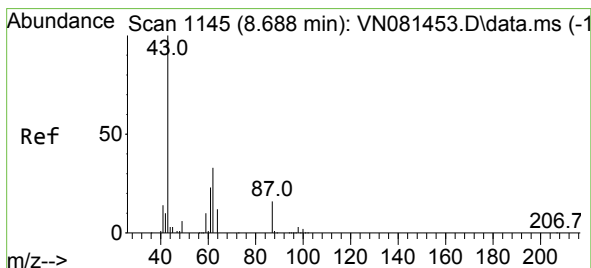
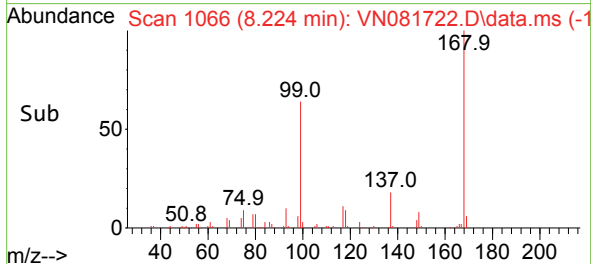
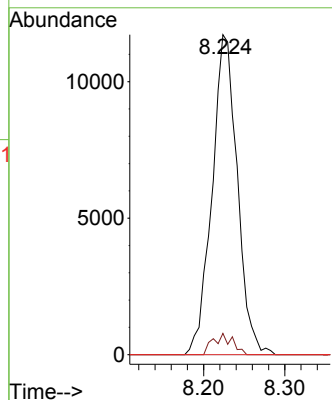


#38
Carbon Tetrachloride
Concen: 4.636 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

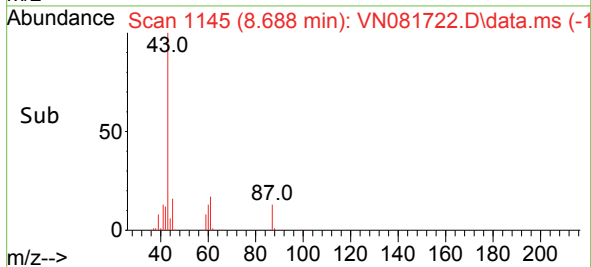
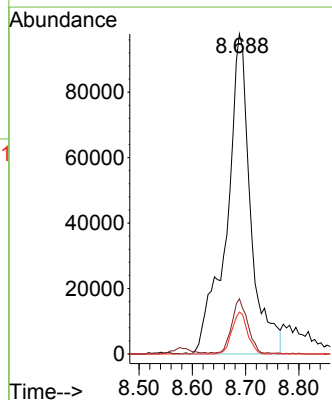
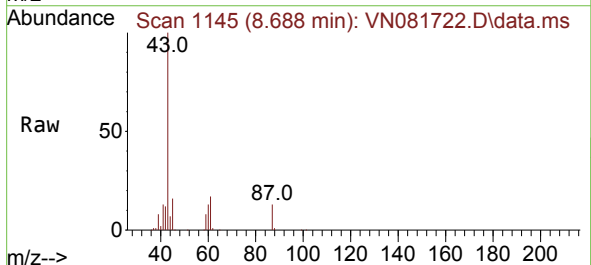


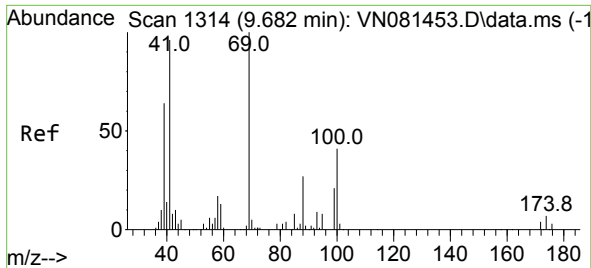
Tgt Ion:117 Resp: 25365
Ion Ratio Lower Upper
117 100
119 6.6 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 43.032 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

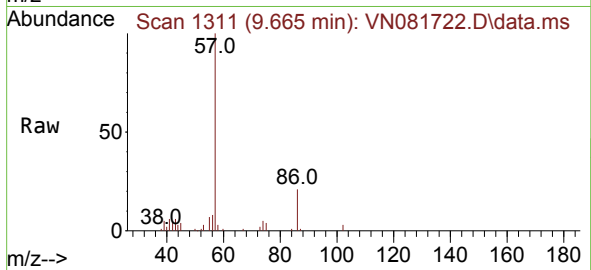
Tgt Ion: 43 Resp: 305037
Ion Ratio Lower Upper
43 100
61 11.4 19.9 29.9#
87 8.5 9.0 13.6#



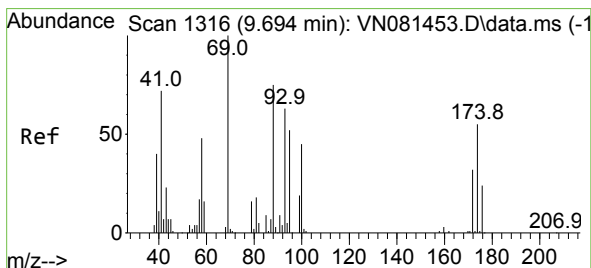
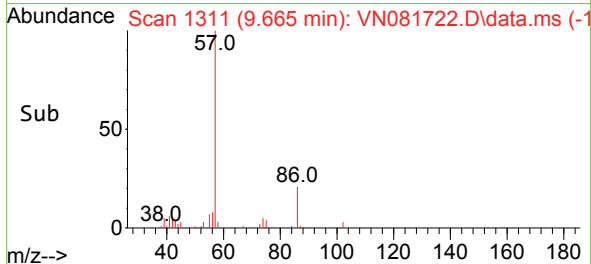
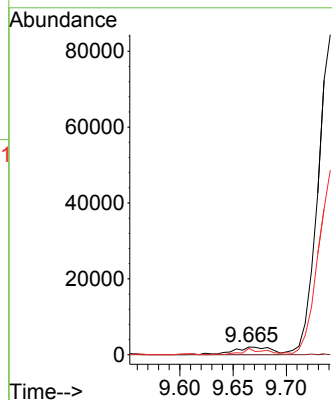


#48
Methyl methacrylate
Concen: 1.515 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

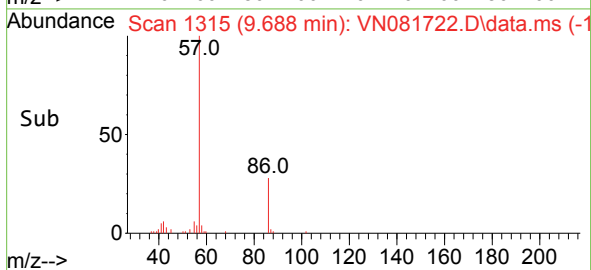
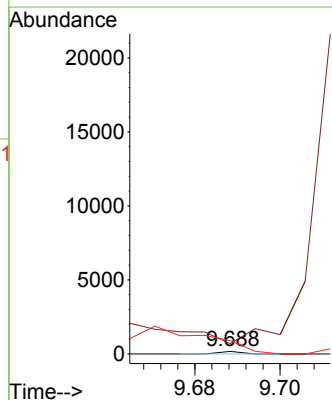
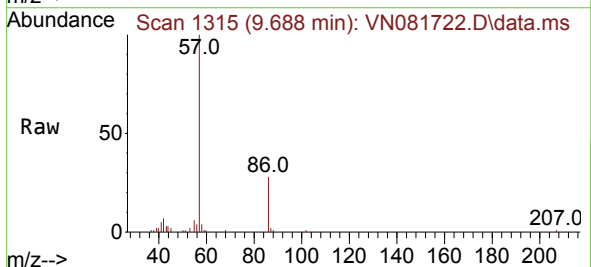


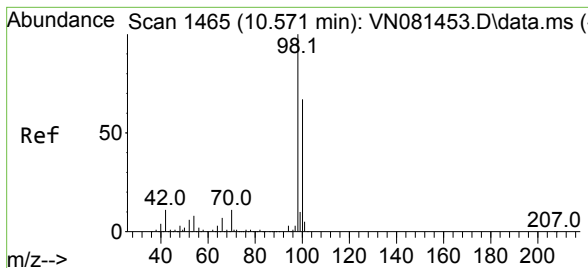
Tgt Ion: 41 Resp: 4954
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.789 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 5324.2 63.9 95.9#

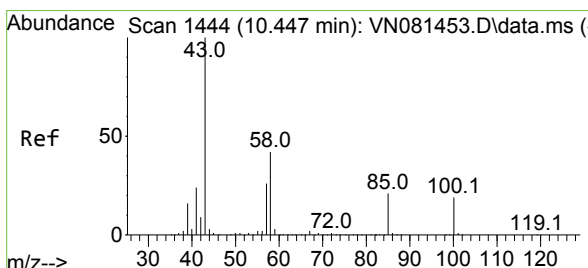
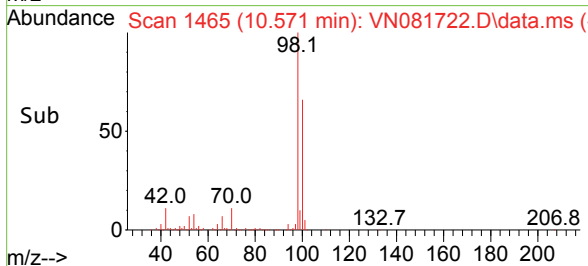
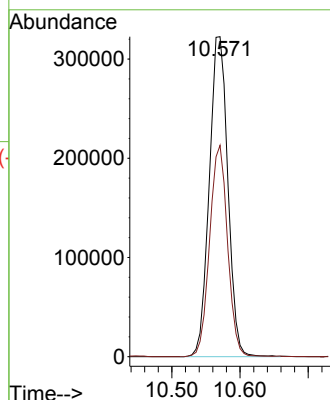
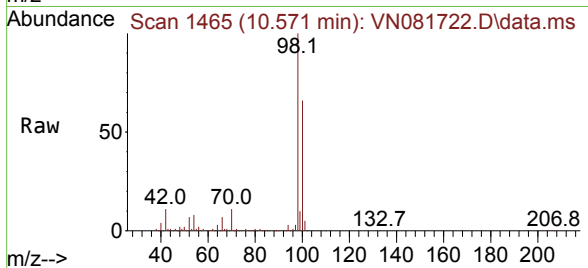




#50
Toluene-d8
Concen: 57.060 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

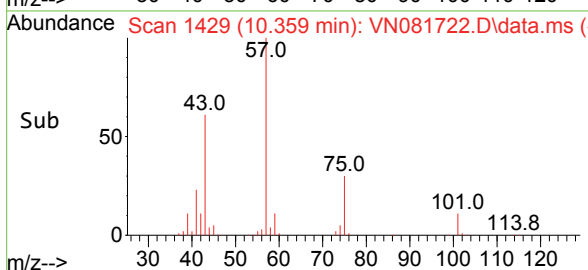
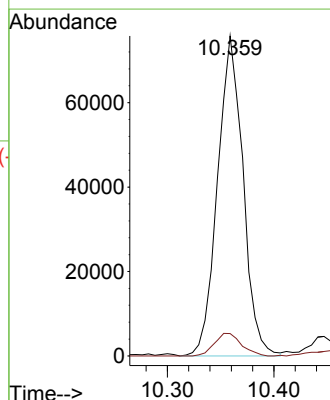
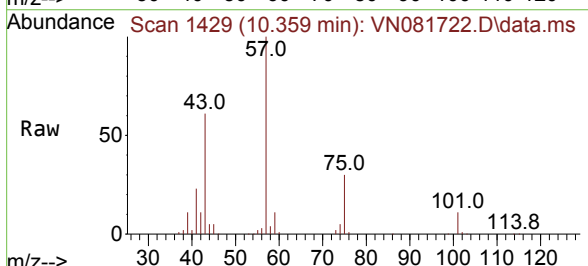
Instrument :
MSVOA_N
ClientSampleId :

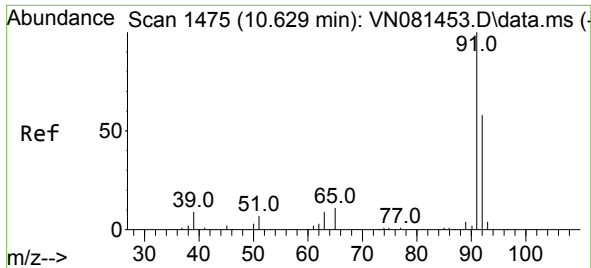
Tgt Ion: 98 Resp: 612111
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 29.106 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Tgt Ion: 43 Resp: 125898
Ion Ratio Lower Upper
43 100
58 7.5 29.4 44.0#

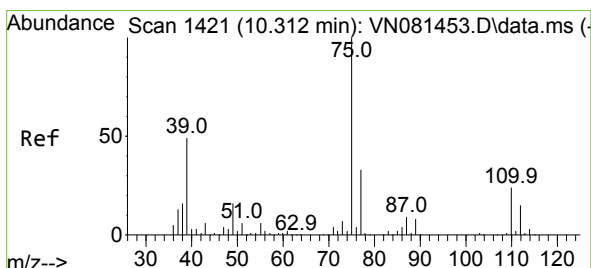
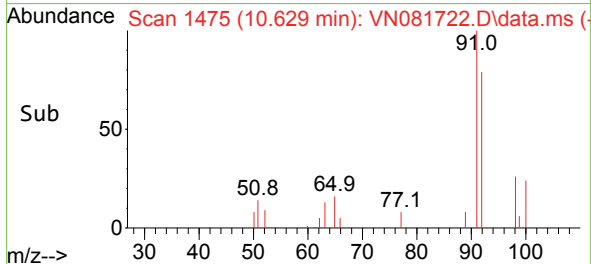
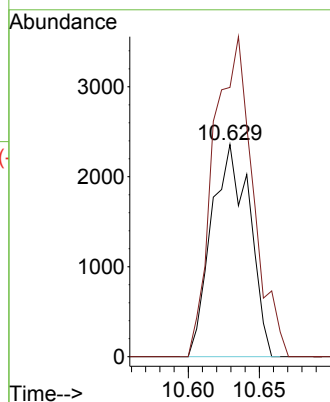
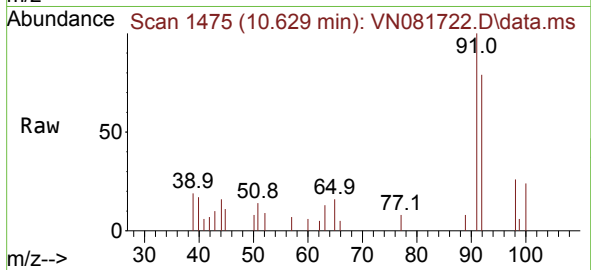




#52
Toluene
Concen: 0.474 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

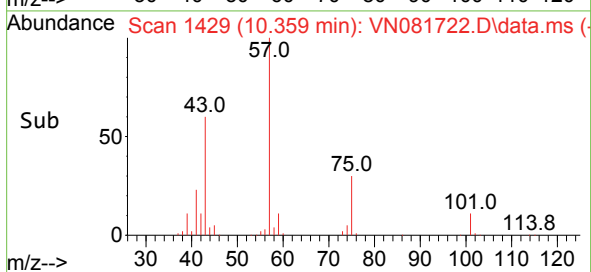
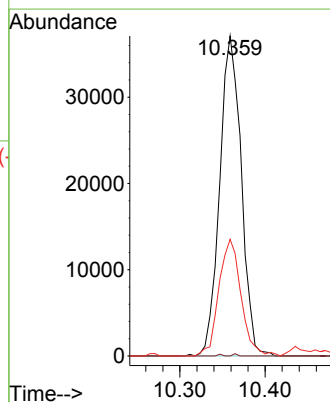
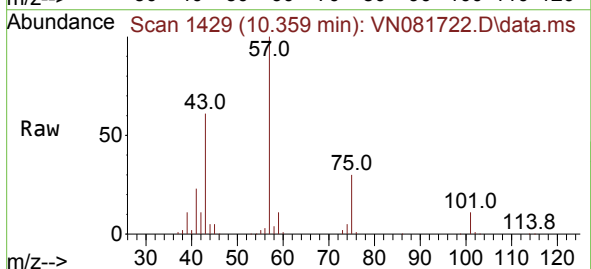
Instrument :
MSVOA_N
ClientSampleId :

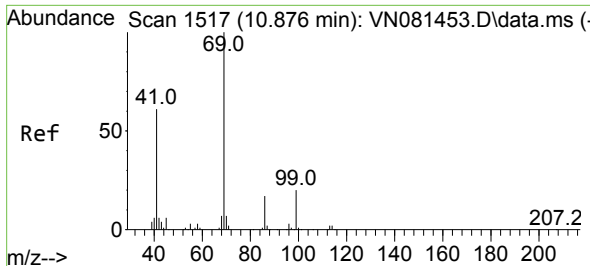
Tgt Ion: 92 Resp: 4399
Ion Ratio Lower Upper
92 100
91 156.1 139.4 209.0



#54
cis-1,3-Dichloropropene
Concen: 10.714 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

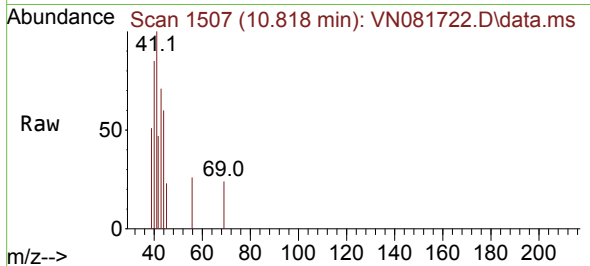
Tgt Ion: 75 Resp: 65170
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 36.4 44.6 66.8#



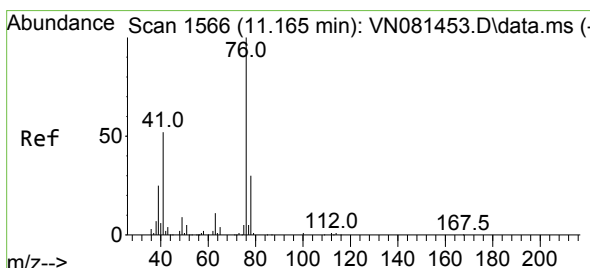
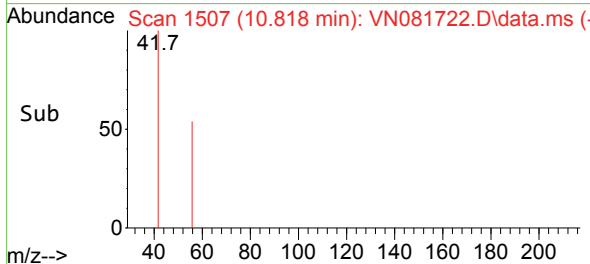
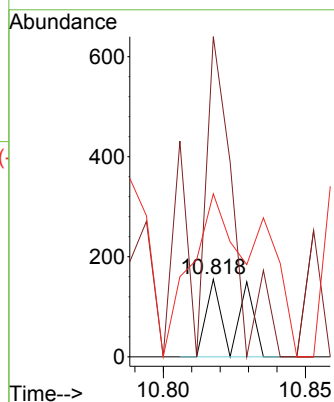


#56
Ethyl methacrylate
Concen: 0.592 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.058 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

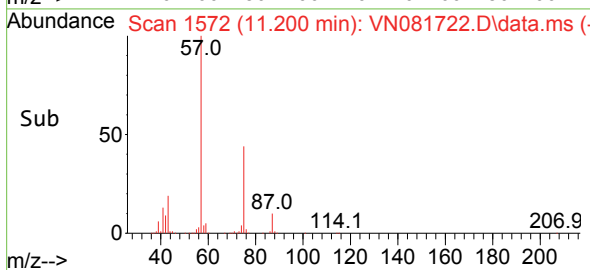
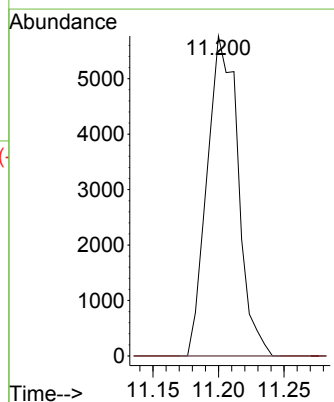
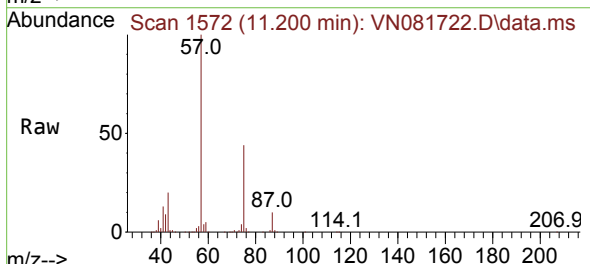


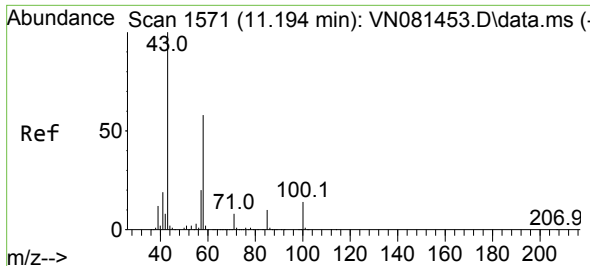
Tgt Ion: 69 Resp: 108
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.548 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

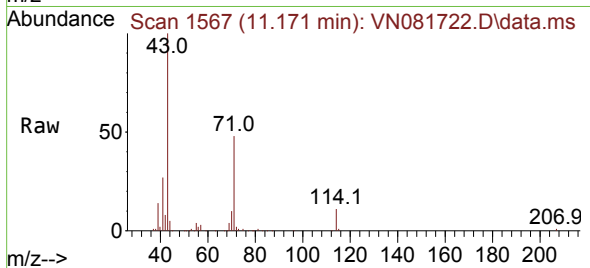
Tgt Ion: 76 Resp: 9475
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



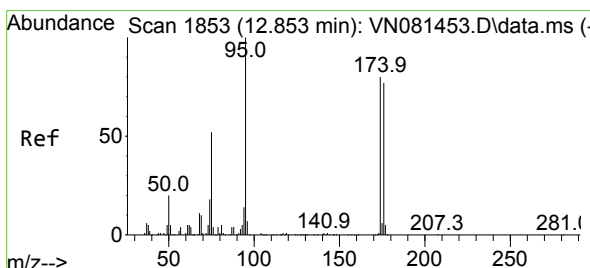
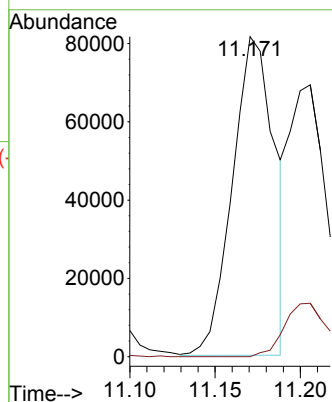
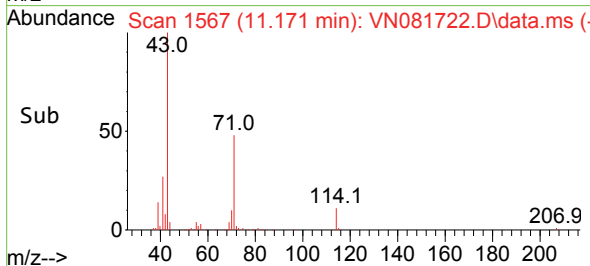


#59
2-Hexanone
Concen: 43.691 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

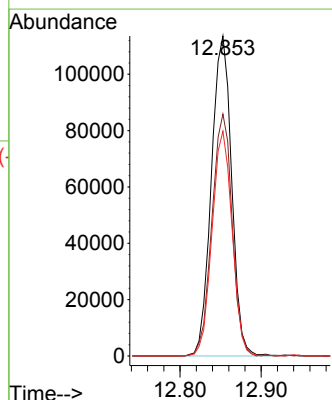
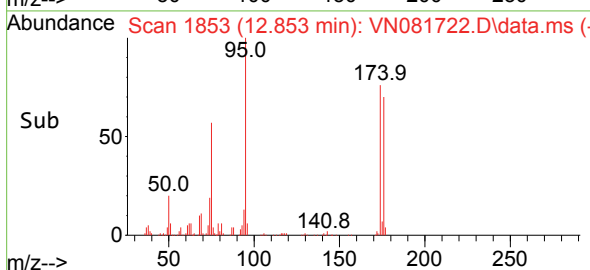
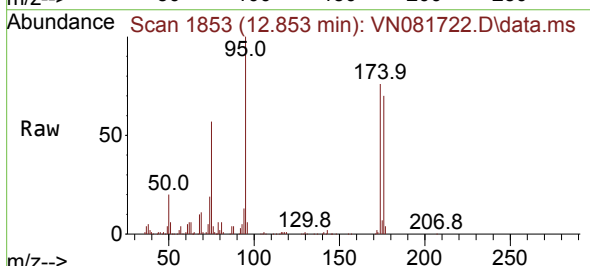


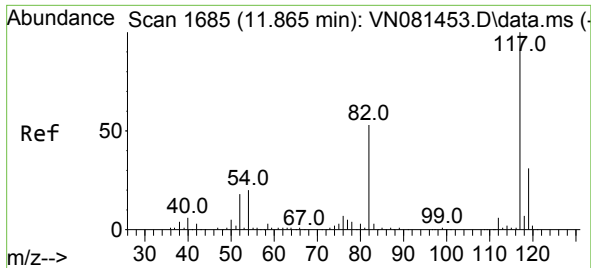
Tgt Ion: 43 Resp: 139723
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 51.961 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

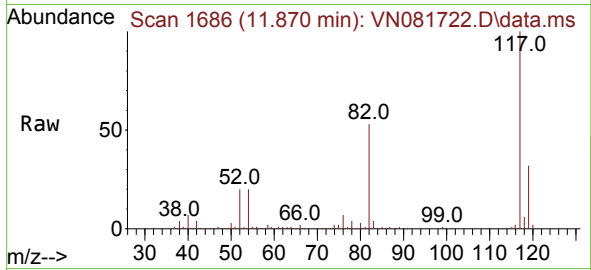
Tgt Ion: 95 Resp: 196412
Ion Ratio Lower Upper
95 100
174 75.8 0.0 120.4
176 69.4 0.0 121.0



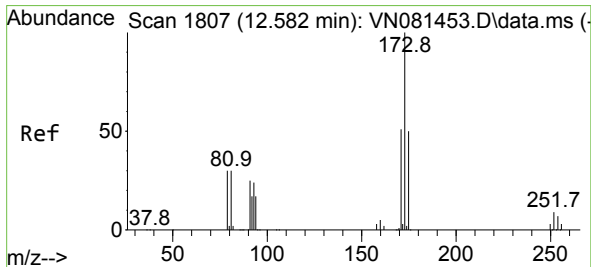
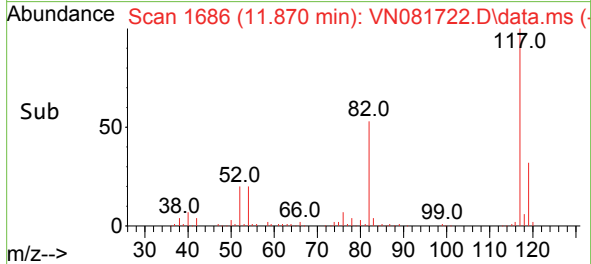
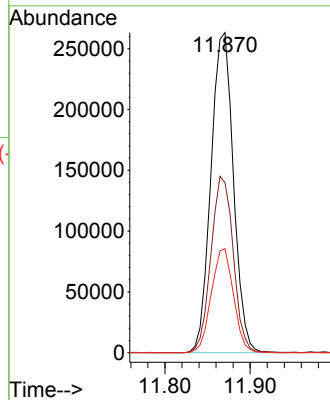


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

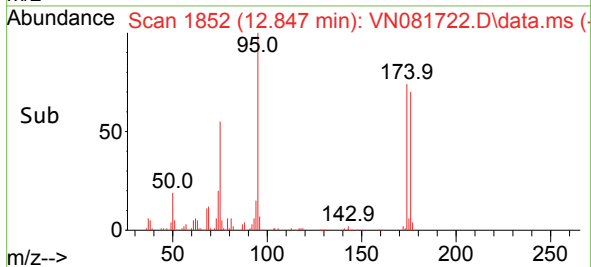
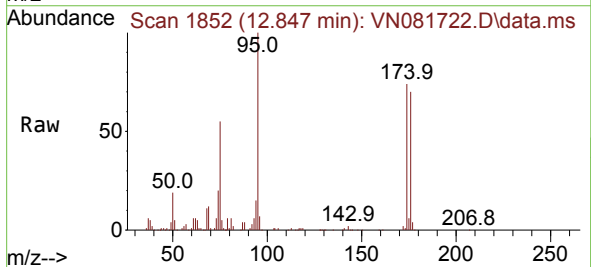
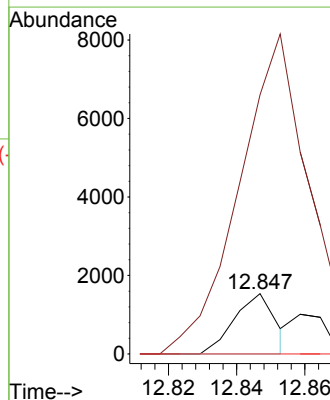


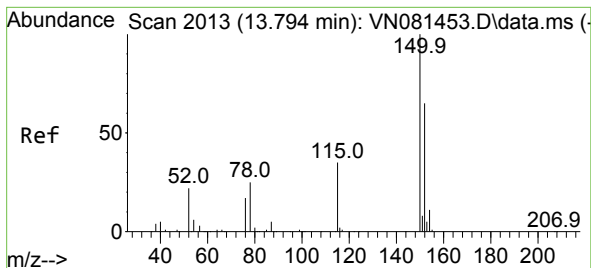
Tgt Ion:117 Resp: 483161
Ion Ratio Lower Upper
117 100
82 53.1 52.7 79.1
119 32.5 25.3 37.9



#71
Bromoform
Concen: 0.406 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Tgt Ion:173 Resp: 1290
Ion Ratio Lower Upper
173 100
175 764.1 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

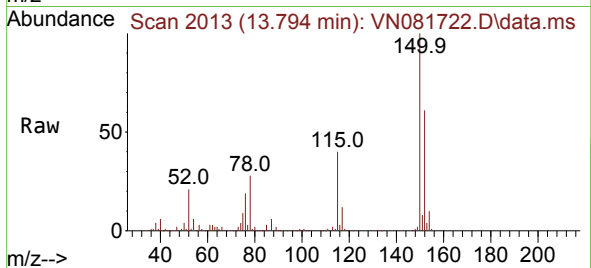
Lab File: VN081722.D

Acq: 12 Apr 2024 16:55

Instrument :

MSVOA_N

ClientSampleId :



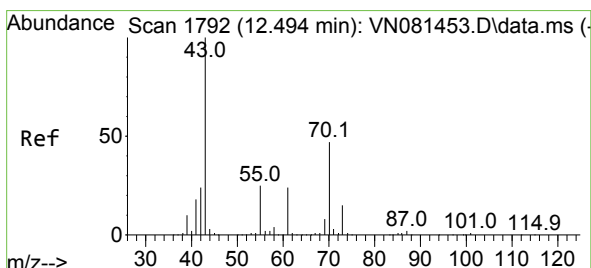
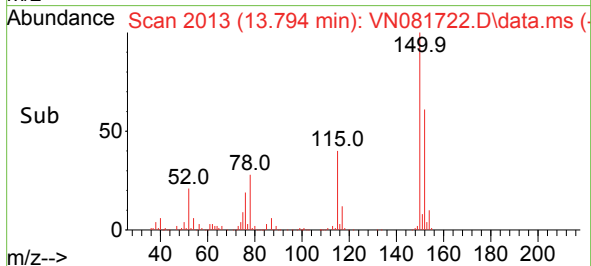
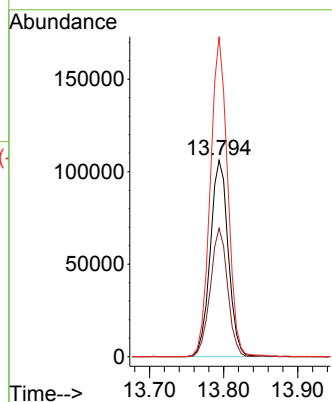
Tgt Ion:152 Resp: 179051

Ion Ratio Lower Upper

152 100

115 63.0 32.3 96.8

150 156.9 0.0 339.8



#74

N-ethyl acetate

Concen: 0.208 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN081722.D

Acq: 12 Apr 2024 16:55

Tgt Ion: 43 Resp: 1147

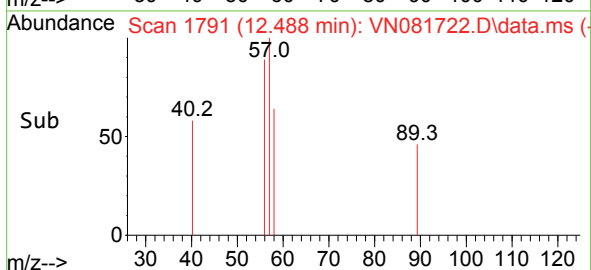
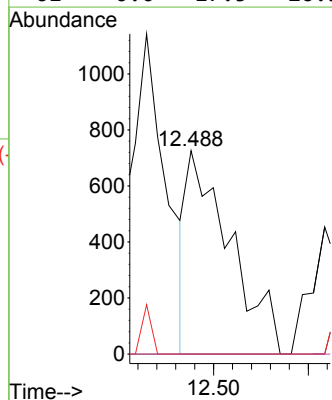
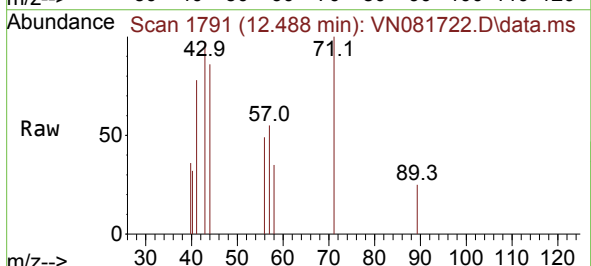
Ion Ratio Lower Upper

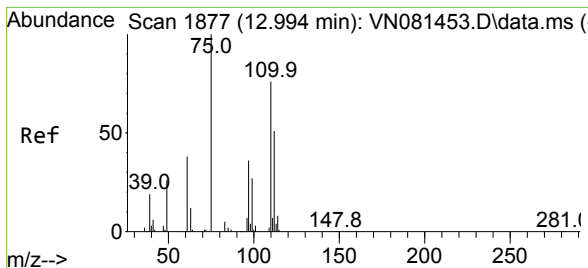
43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#

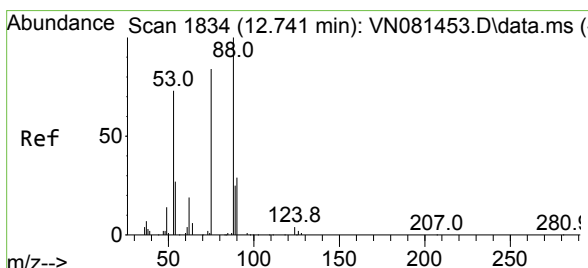
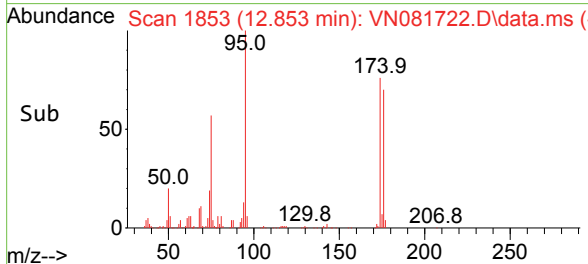
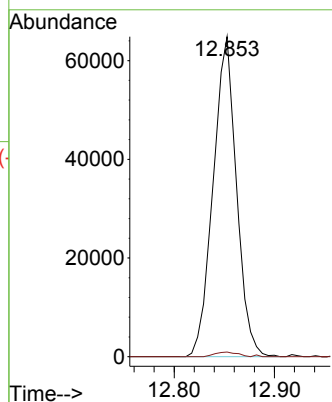
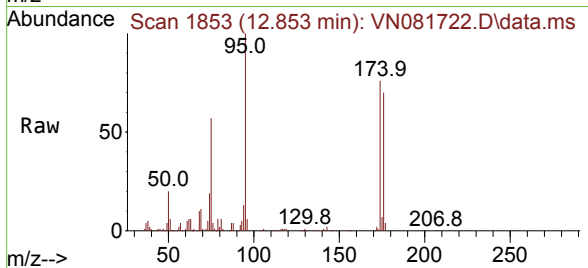




#76
1,2,3-Trichloropropane
Concen: 24.525 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 105039
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.274 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081722.D
Acq: 12 Apr 2024 16:55

Tgt Ion: 75 Resp: 105039
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.1 33.4 50.0#

