

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081078.D
 Acq On : 19 Feb 2024 16:06
 Operator : JC\MD
 Sample : P1505-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1S

Quant Time: Feb 20 00:23:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

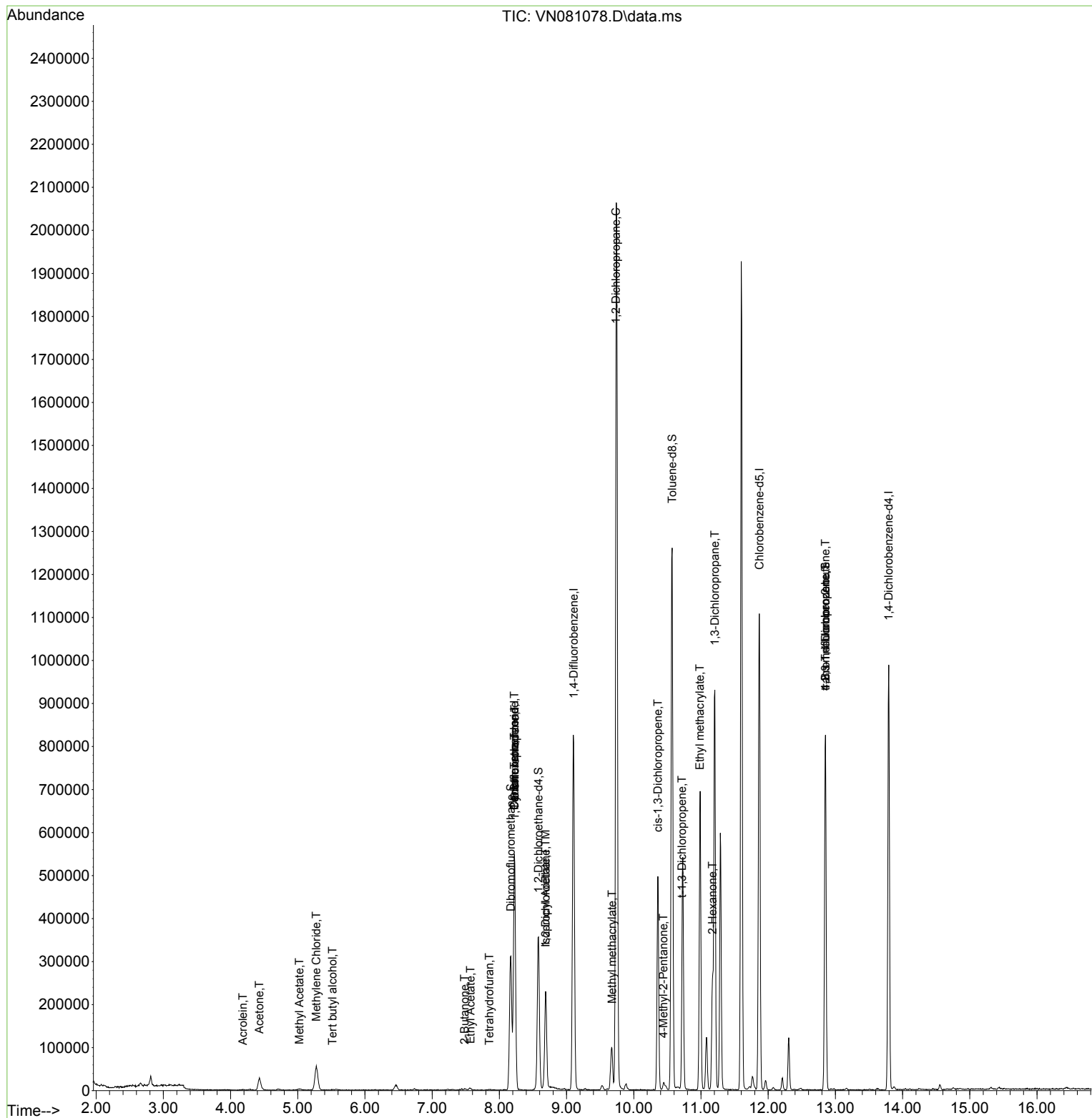
Internal Standards						
1) Pentafluorobenzene	8.224	168	383464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	727126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	649320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	262277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	284558	60.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.080%	
35) Dibromofluoromethane	8.171	113	223406	54.335	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.660%	
50) Toluene-d8	10.571	98	881138	60.337	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 120.680%#	
62) 4-Bromofluorobenzene	12.853	95	291870	53.190	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1986	Below Cal	#	77
6) Chloroethane	3.112	64	221	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	835	0.966	ug/l #	72
13) Acrolein	4.183	56	1566	3.380	ug/l	96
16) Acetone	4.430	43	50291	27.193	ug/l #	87
18) Methyl Acetate	5.024	43	5562	1.233	ug/l #	83
20) Methylene Chloride	5.277	84	43076	8.227	ug/l	86
25) 2-Butanone	7.483	43	5384	1.802	ug/l	97
29) Tetrahydrofuran	7.853	42	968	0.485	ug/l #	74
31) Cyclohexane	8.224	56	9359	1.153	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	32098	4.557	ug/l #	51
37) Ethyl Acetate	7.571	43	7435	1.169	ug/l #	88
38) Carbon Tetrachloride	8.224	117	42362	5.944	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1903	0.268	ug/l #	75
43) Isopropyl Acetate	8.688	43	265233	23.855	ug/l #	91
45) 1,2-Dichloropropane	9.735	63	3061	0.600	ug/l #	42
48) Methyl methacrylate	9.677	41	6425	1.242	ug/l #	48
49) 1,4-Dioxane	9.694	88	639	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.441	43	19099	2.986	ug/l #	81
53) t-1,3-Dichloropropene	10.718	75	1617	0.207	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	94063	11.131	ug/l #	57
56) Ethyl methacrylate	10.982	69	2251	0.297	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9633	1.122	ug/l #	43
59) 2-Hexanone	11.171	43	202523	39.939	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	151945	25.498	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151945	65.630	ug/l #	14

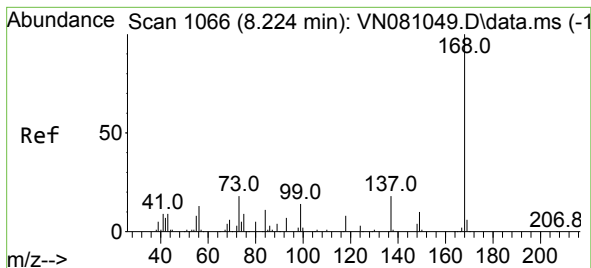
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
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Sample : P1505-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Feb 20 00:23:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

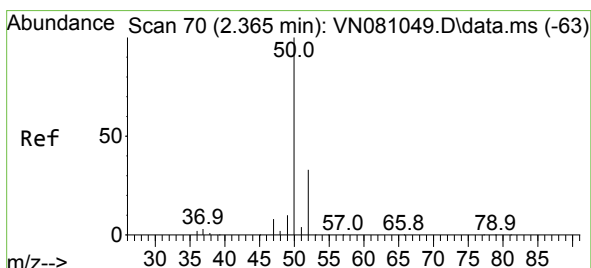
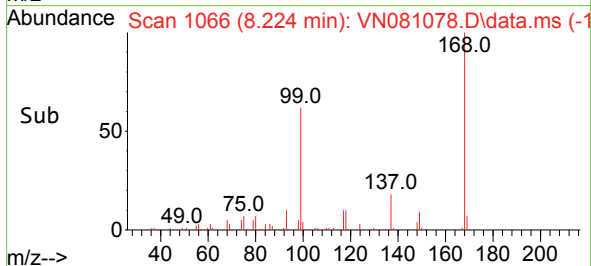
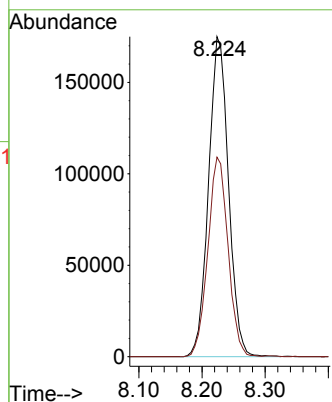
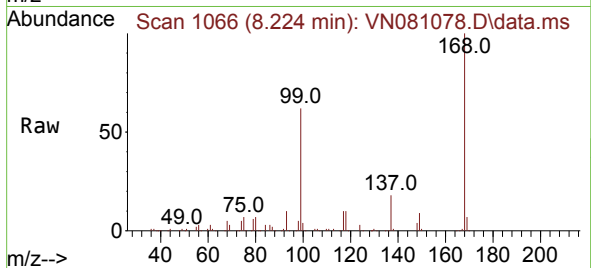




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

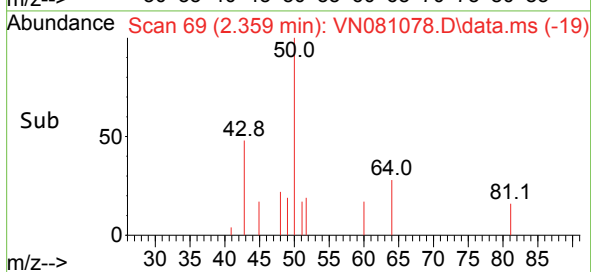
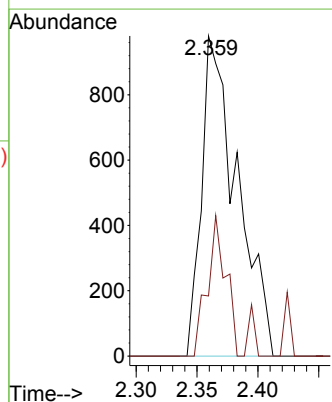
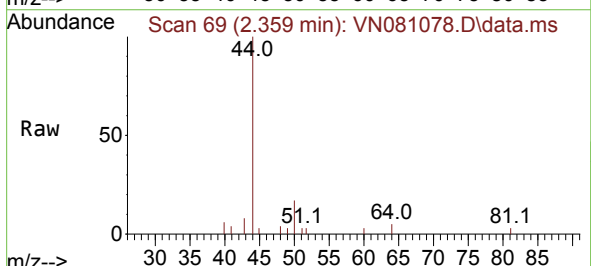
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

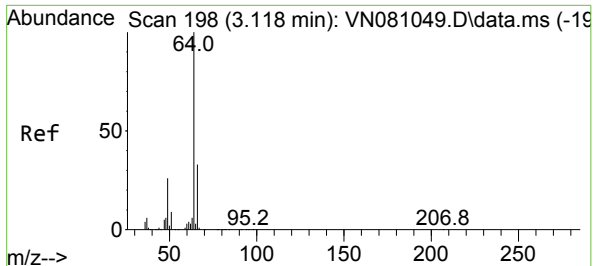
Tgt Ion:168 Resp: 383464
Ion Ratio Lower Upper
168 100
99 62.4 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 50 Resp: 1986
Ion Ratio Lower Upper
50 100
52 18.8 25.0 37.4#

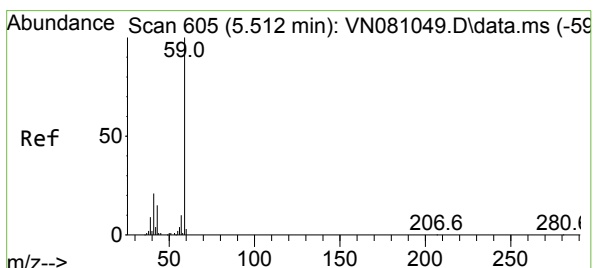
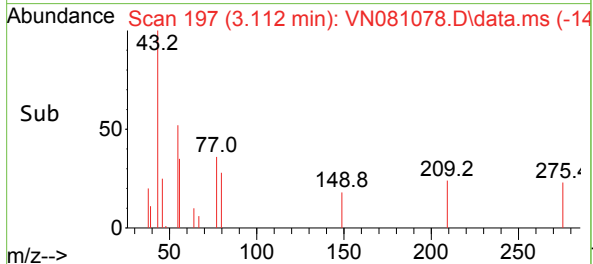
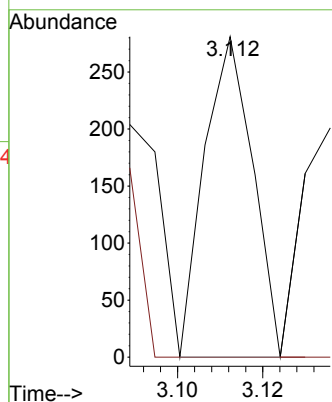
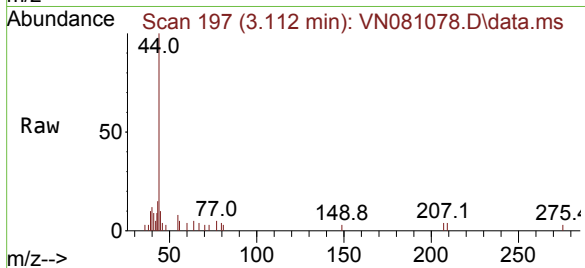




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

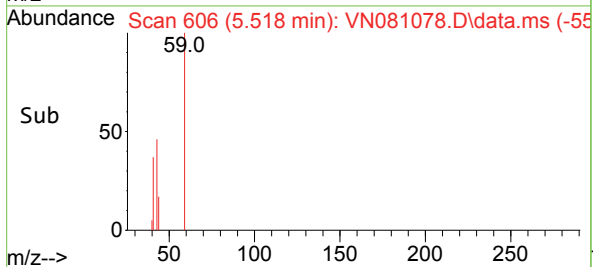
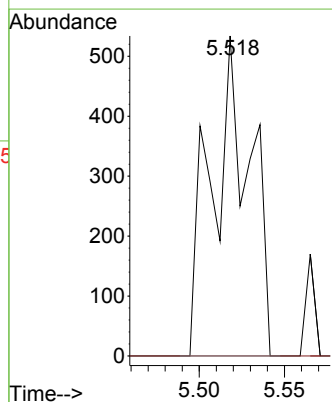
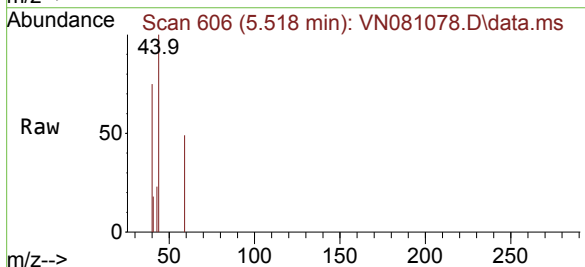
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

Tgt Ion: 64 Resp: 221
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.966 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 59 Resp: 835
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

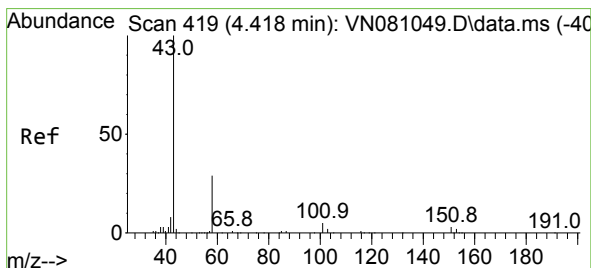
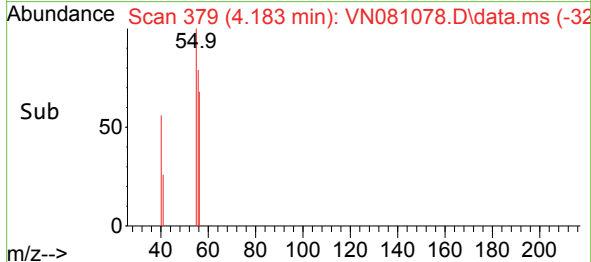
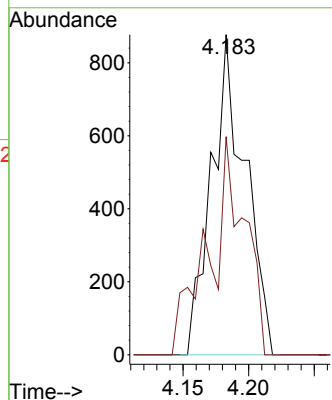
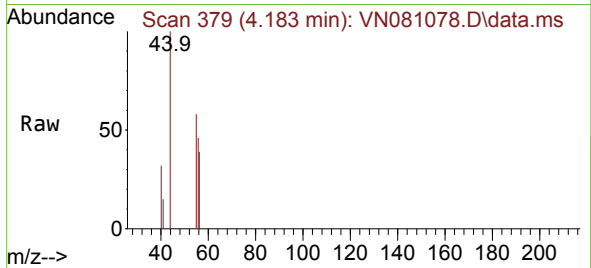




#13
Acrolein
Concen: 3.380 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

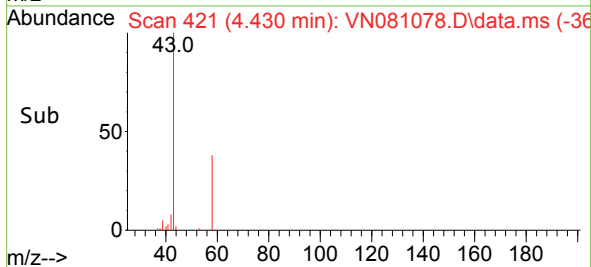
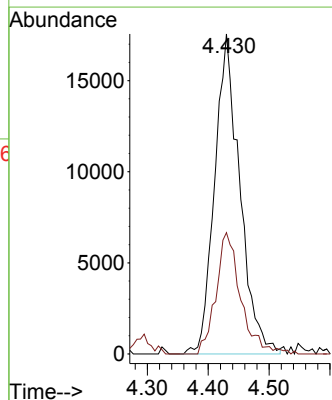
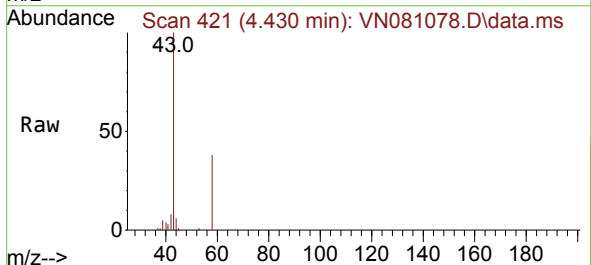
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

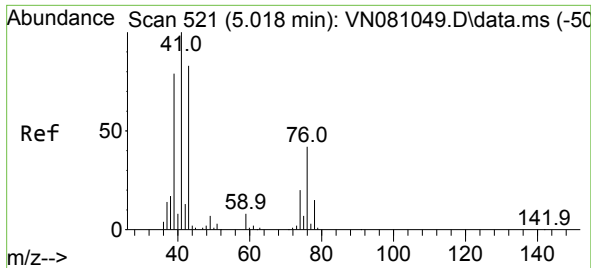
Tgt Ion: 56 Resp: 1566
Ion Ratio Lower Upper
56 100
55 72.5 55.3 82.9



#16
Acetone
Concen: 27.193 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 43 Resp: 50291
Ion Ratio Lower Upper
43 100
58 37.9 24.8 37.2#

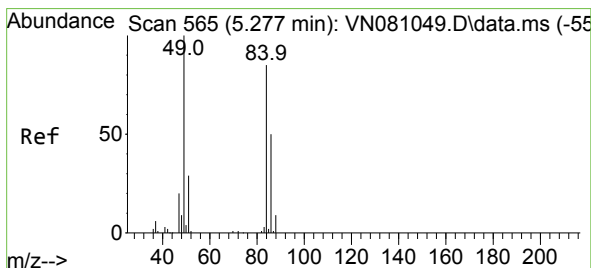
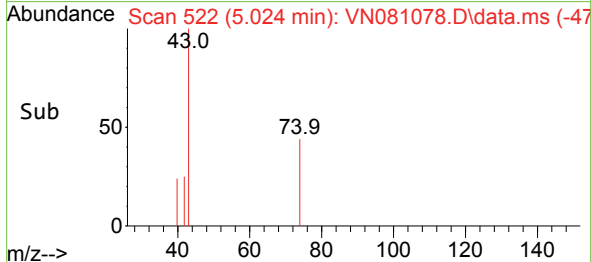
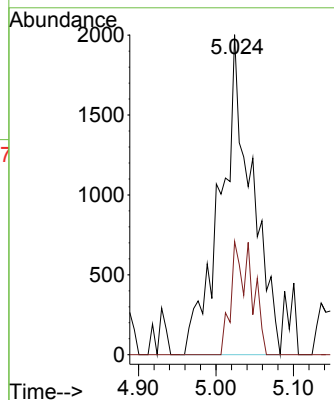
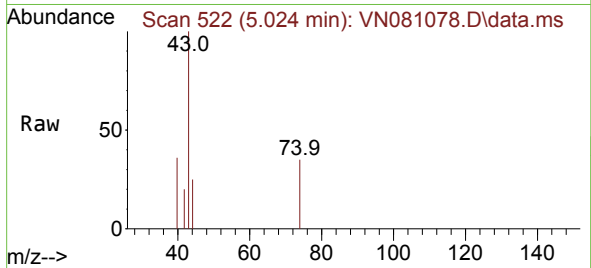




#18
Methyl Acetate
Concen: 1.233 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

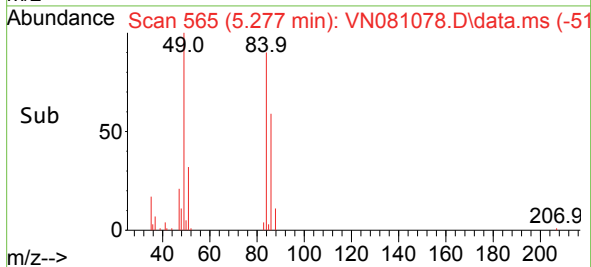
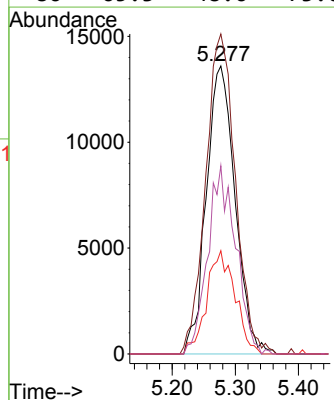
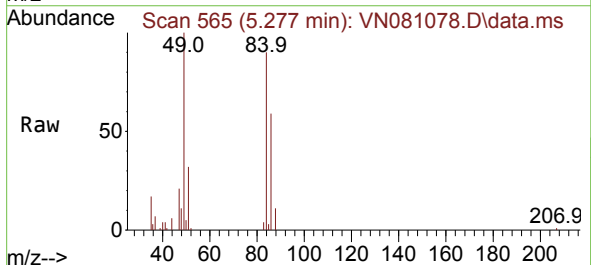
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

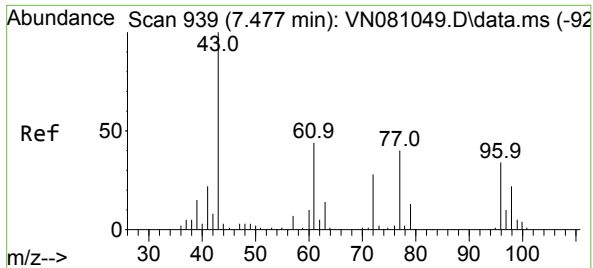
Tgt Ion: 43 Resp: 5562
Ion Ratio Lower Upper
43 100
74 13.4 17.3 25.9#



#20
Methylene Chloride
Concen: 8.227 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 84 Resp: 43076
Ion Ratio Lower Upper
84 100
49 111.1 108.1 162.1
51 35.8 32.9 49.3
86 65.3 48.6 73.0

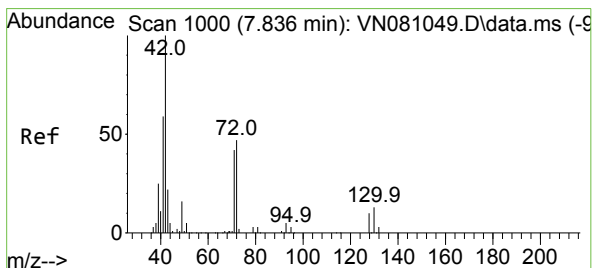
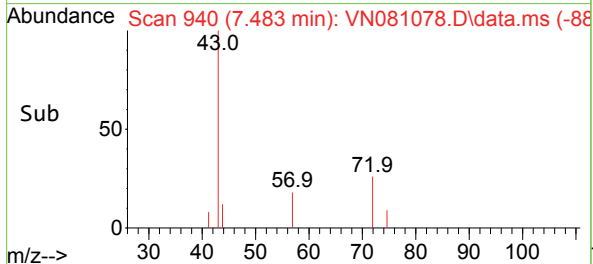
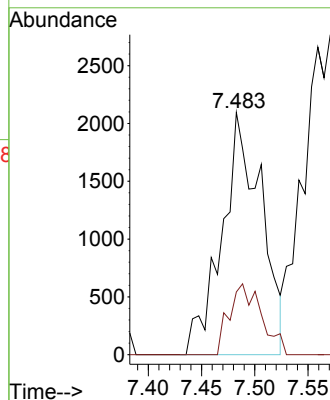
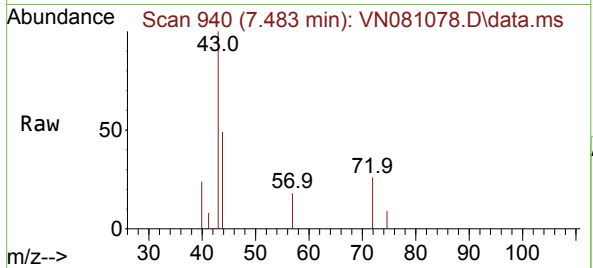




#25
2-Butanone
Concen: 1.802 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

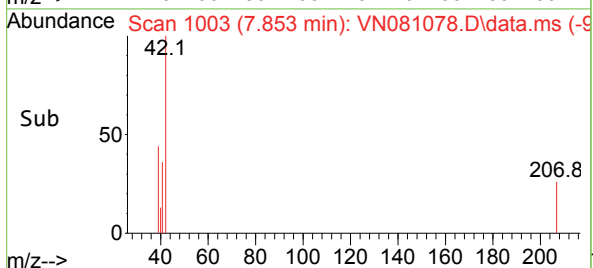
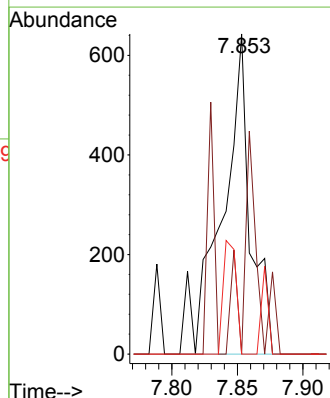
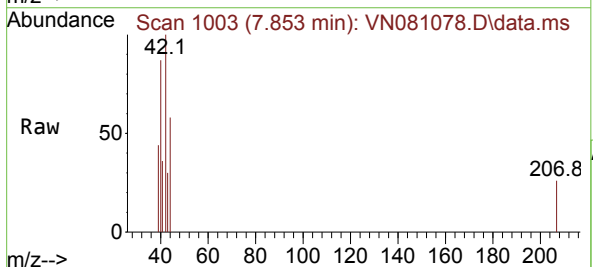
Instrument :
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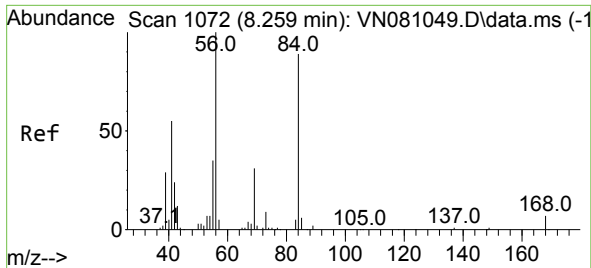
Tgt Ion: 43 Resp: 5384
Ion Ratio Lower Upper
43 100
72 25.9 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.485 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 42 Resp: 968
Ion Ratio Lower Upper
42 100
72 36.6 31.1 46.7
71 6.4 28.3 42.5#

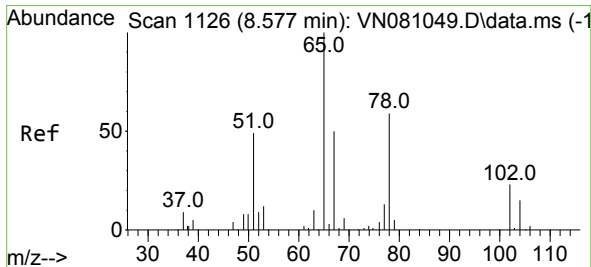
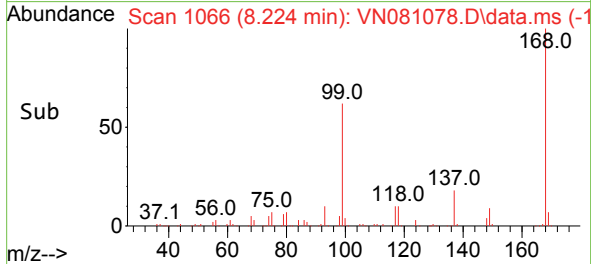
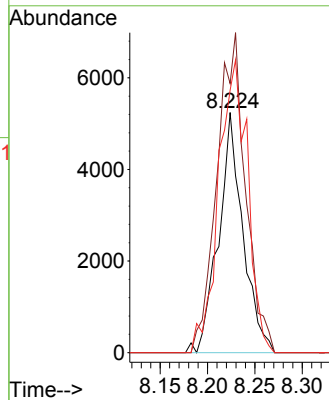
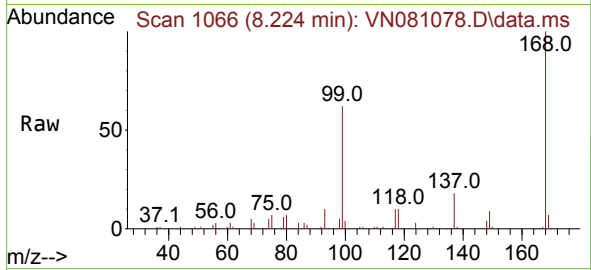




#31
Cyclohexane
Concen: 1.153 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

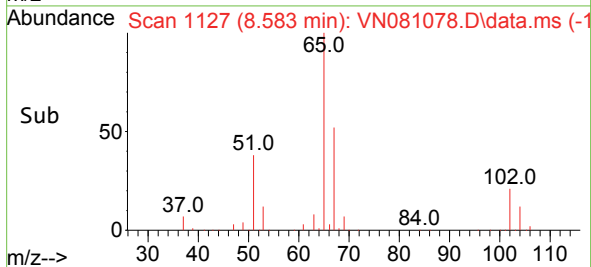
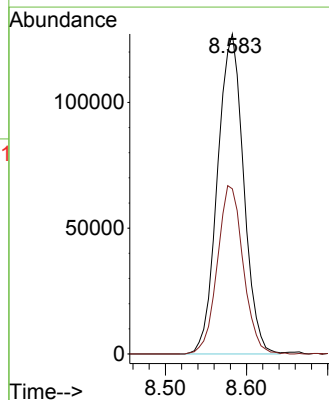
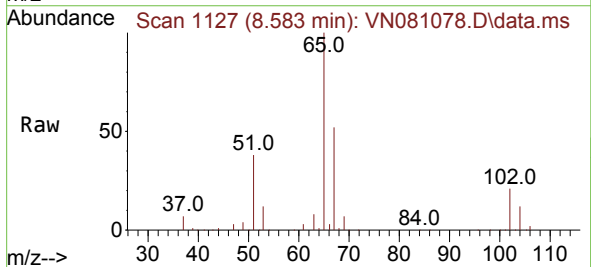
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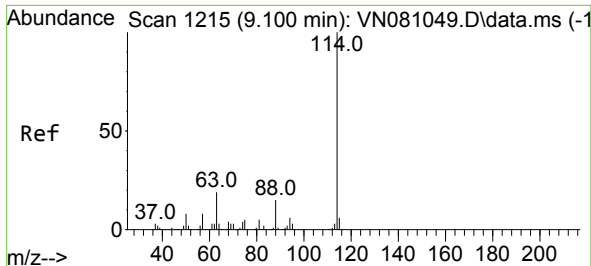
Tgt Ion: 56 Resp: 9359
Ion Ratio Lower Upper
56 100
69 112.1 20.1 30.1#
84 109.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 60.542 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 65 Resp: 284558
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.4

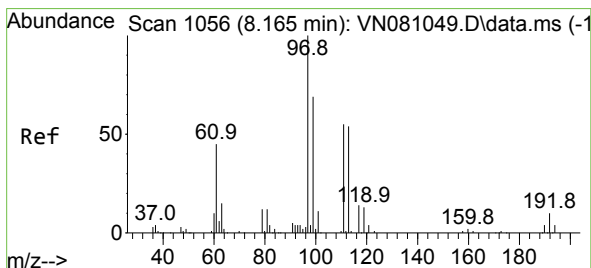
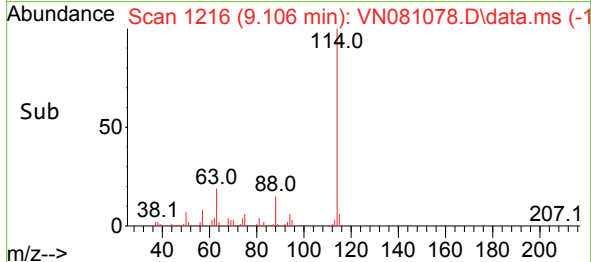
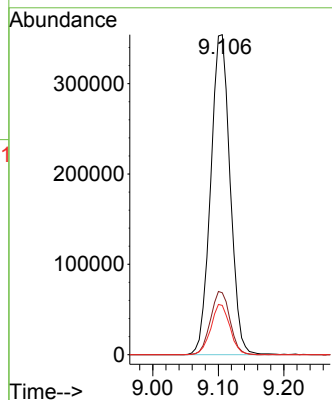
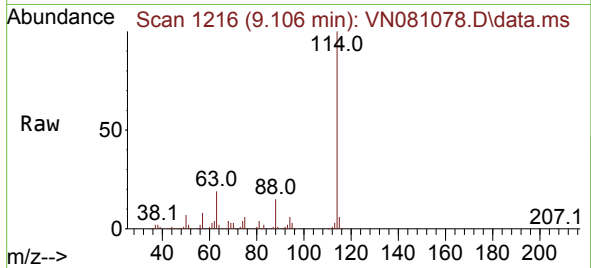




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

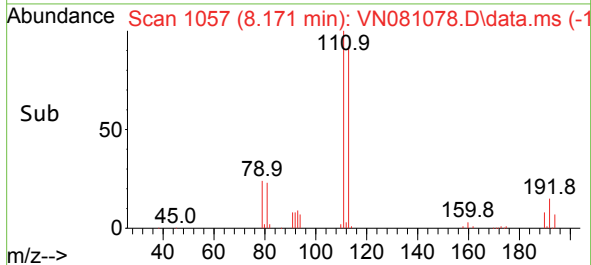
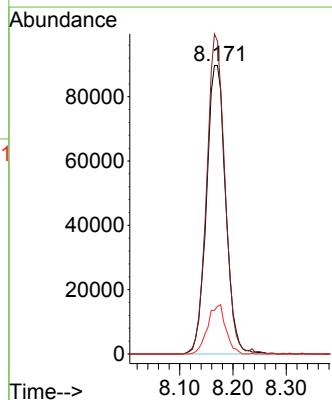
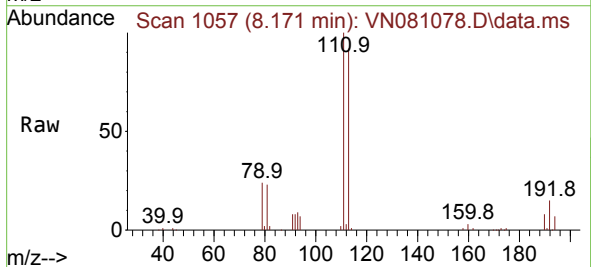
Instrument :
MSVOA_N
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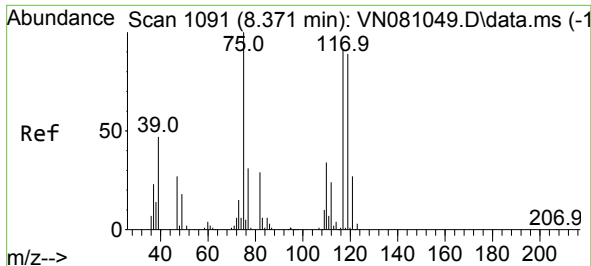
Tgt Ion:114 Resp: 727126
Ion Ratio Lower Upper
114 100
63 19.4 0.0 48.0
88 15.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 54.335 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion:113 Resp: 223406
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.4
192 16.2 12.5 18.7

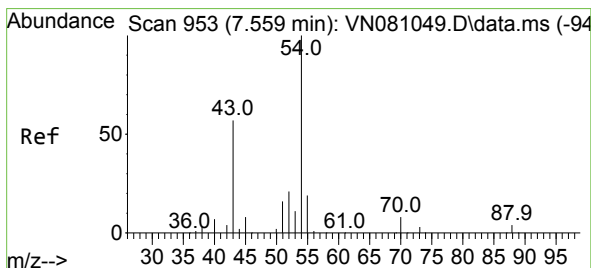
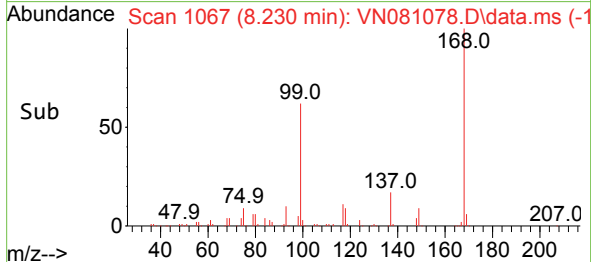
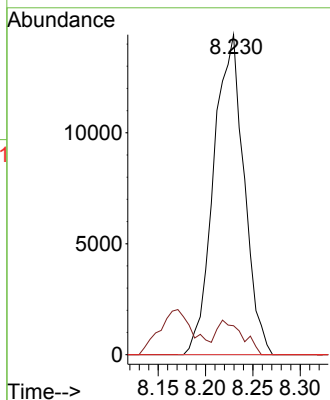
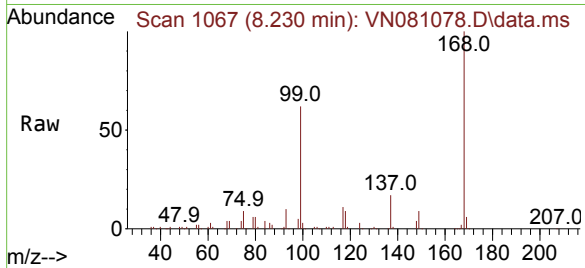




#36
 1,1-Dichloropropene
 Concen: 4.557 ug/l
 RT: 8.230 min Scan# 1091
 Delta R.T. -0.141 min
 Lab File: VN081078.D
 Acq: 19 Feb 2024 16:06

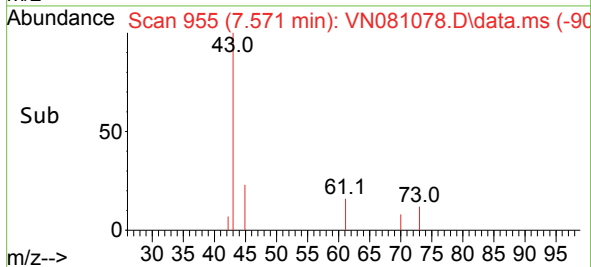
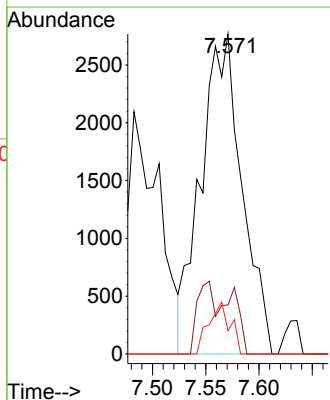
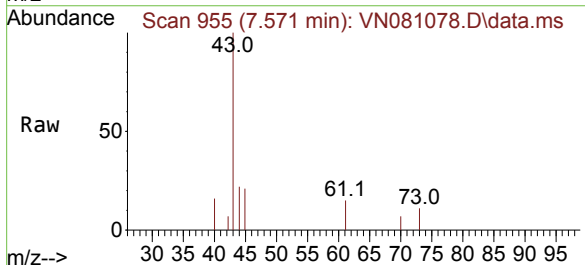
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1S

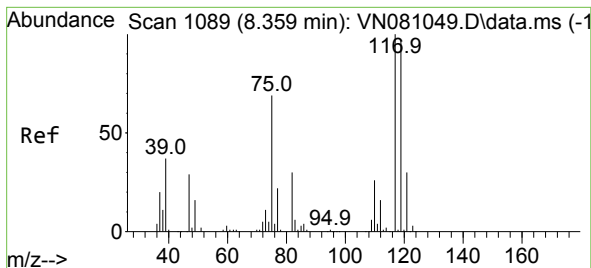
Tgt Ion: 75 Resp: 32098
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.0 48.0#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 1.169 ug/l
 RT: 7.571 min Scan# 955
 Delta R.T. 0.012 min
 Lab File: VN081078.D
 Acq: 19 Feb 2024 16:06

Tgt Ion: 43 Resp: 7435
 Ion Ratio Lower Upper
 43 100
 61 6.3 10.6 15.8#
 70 8.4 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.944 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081078.D

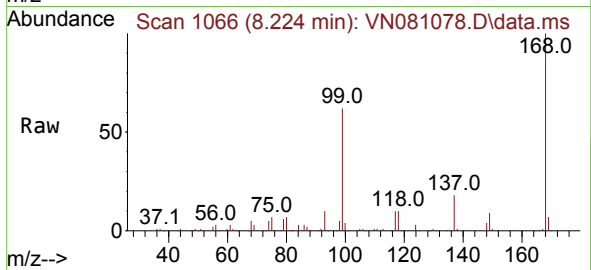
Acq: 19 Feb 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :

WC-1S



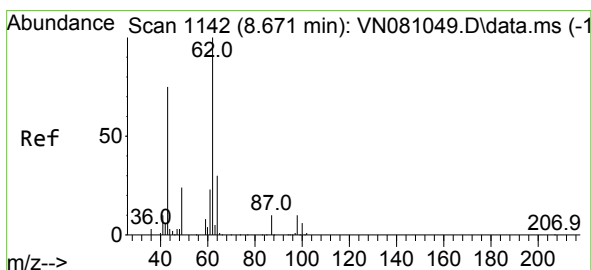
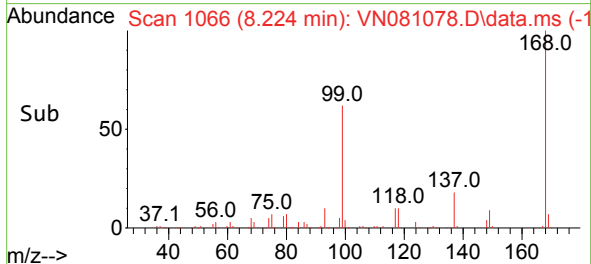
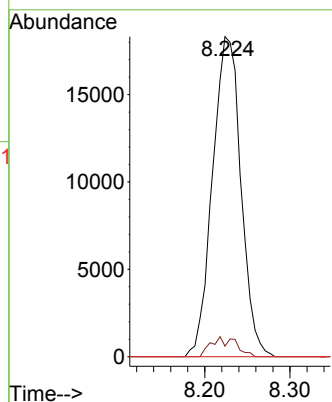
Tgt Ion:117 Resp: 42362

Ion Ratio Lower Upper

117 100

119 3.3 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.268 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN081078.D

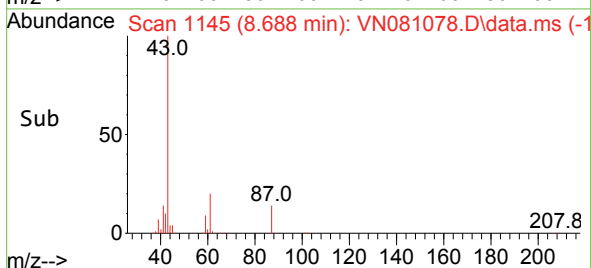
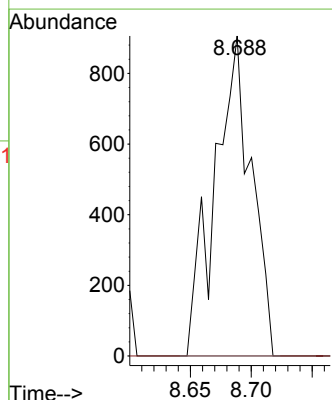
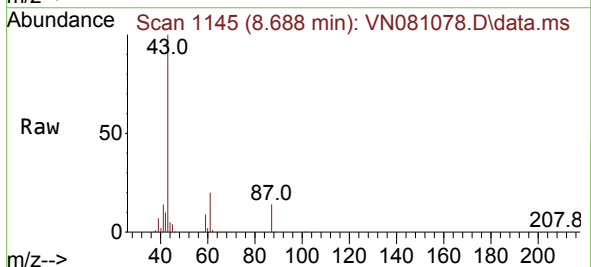
Acq: 19 Feb 2024 16:06

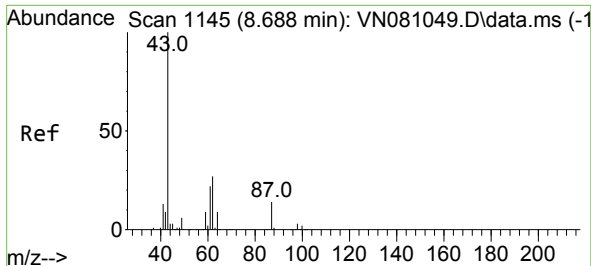
Tgt Ion: 62 Resp: 1903

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

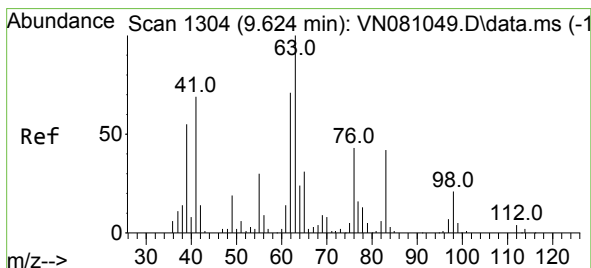
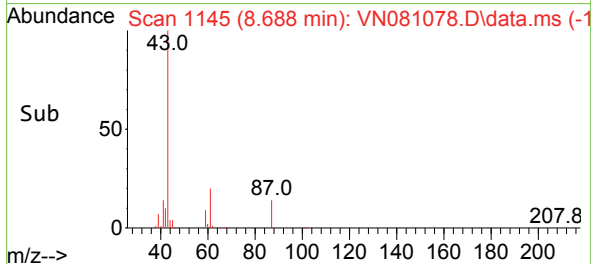
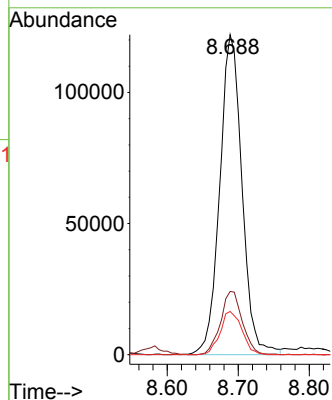
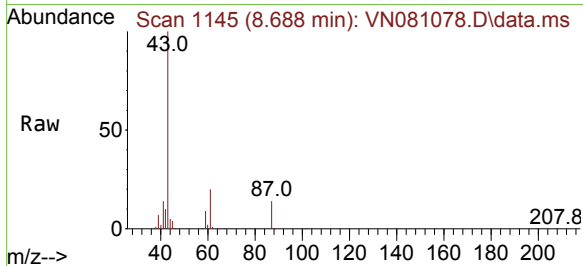




#43
Isopropyl Acetate
Concen: 23.855 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

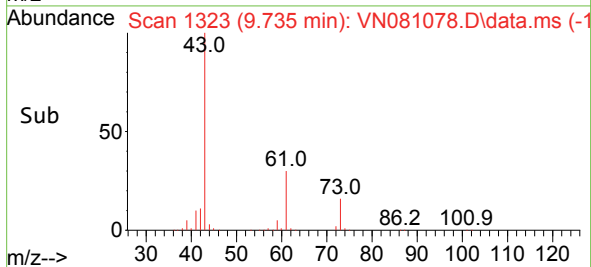
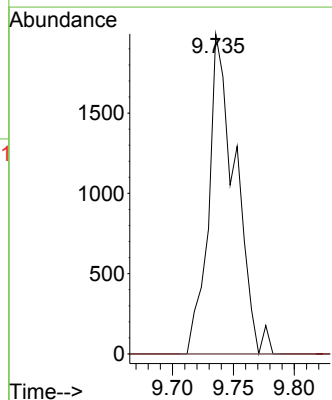
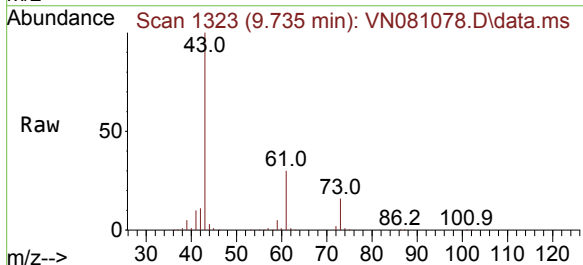
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

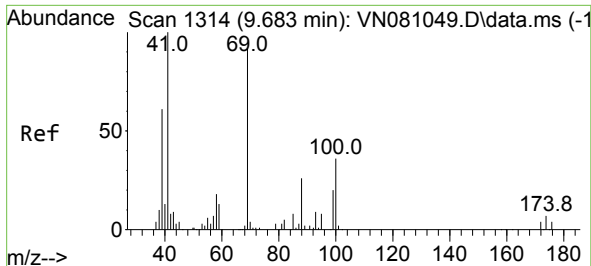
Tgt Ion: 43 Resp: 265233
Ion Ratio Lower Upper
43 100
61 19.4 19.9 29.9#
87 13.2 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.600 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 63 Resp: 3061
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

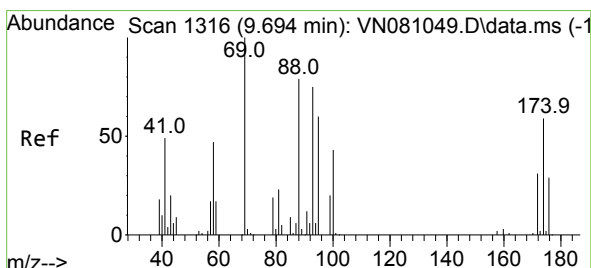
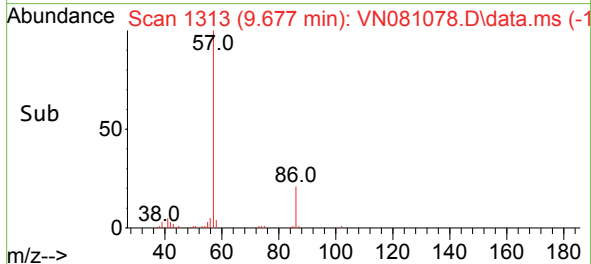
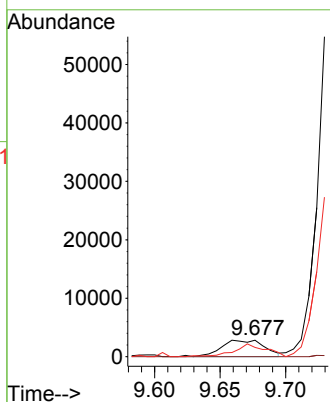
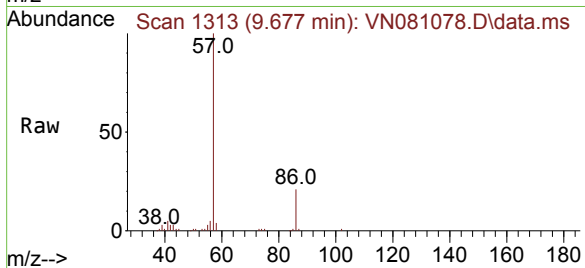




#48
Methyl methacrylate
Concen: 1.242 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

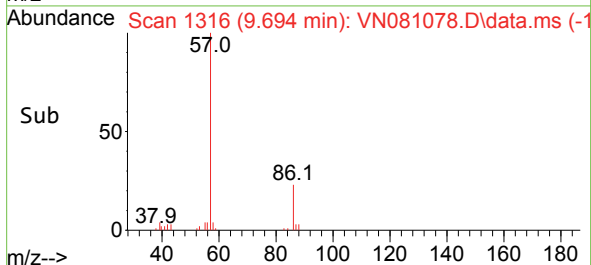
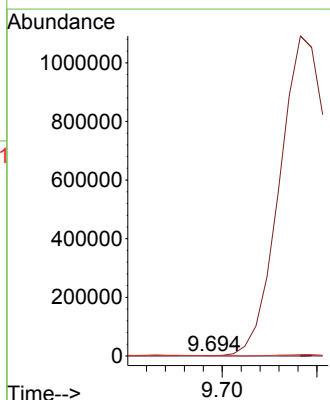
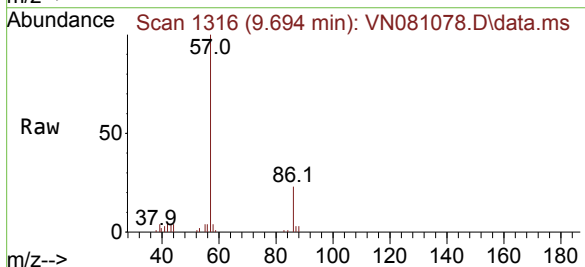
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

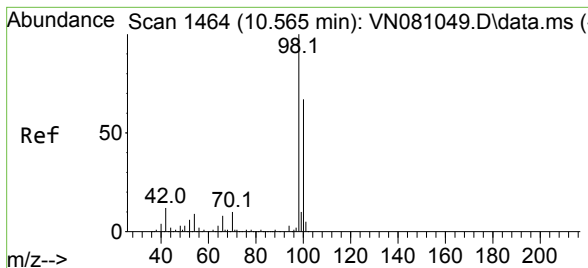
Tgt Ion: 41 Resp: 6425
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 57.3 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 88 Resp: 639
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

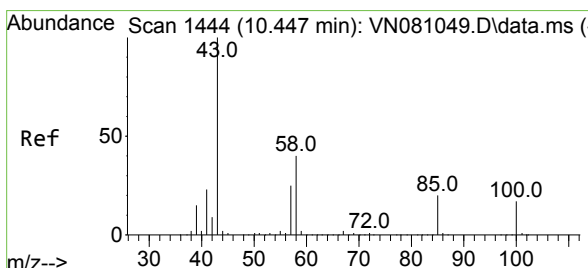
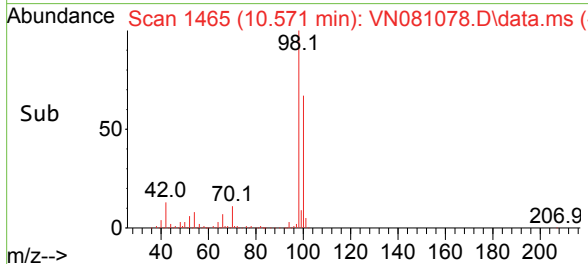
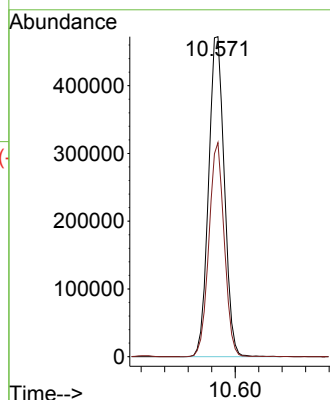
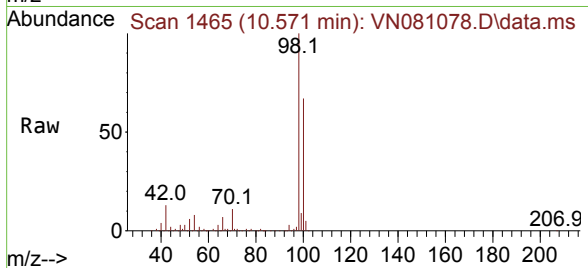




#50
Toluene-d8
Concen: 60.337 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

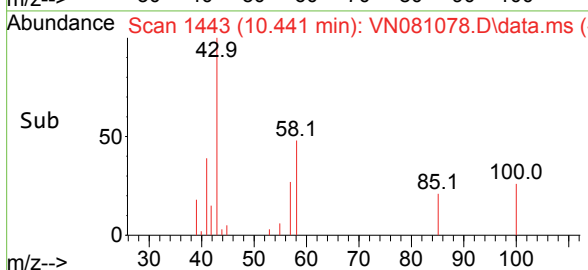
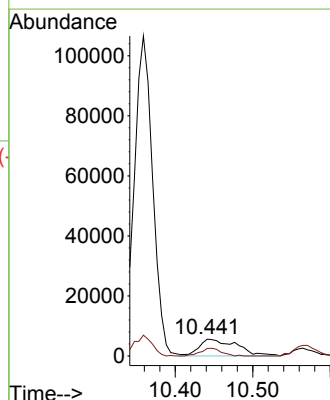
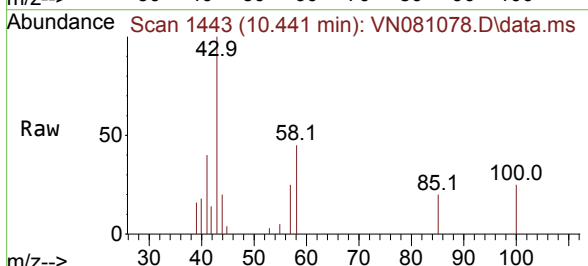
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

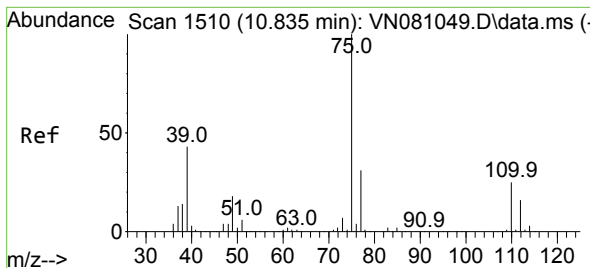
Tgt Ion: 98 Resp: 881138
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.986 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 43 Resp: 19099
Ion Ratio Lower Upper
43 100
58 25.2 29.4 44.0#

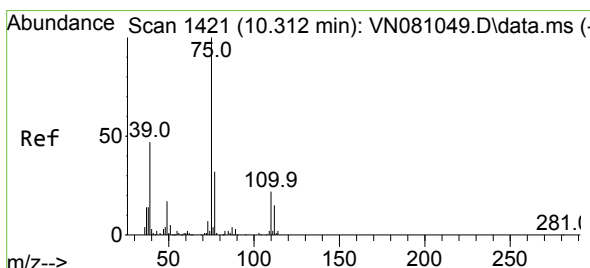
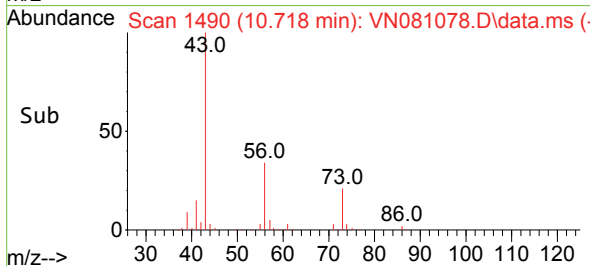
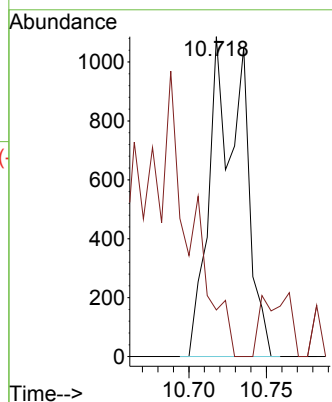
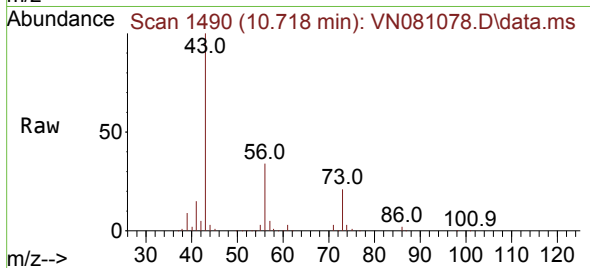




#53
 t-1,3-Dichloropropene
 Concen: 0.207 ug/l
 RT: 10.718 min Scan# 1490
 Delta R.T. -0.118 min
 Lab File: VN081078.D
 Acq: 19 Feb 2024 16:06

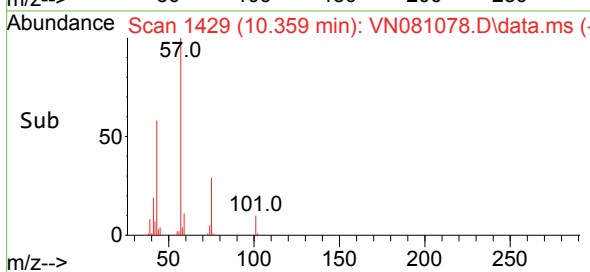
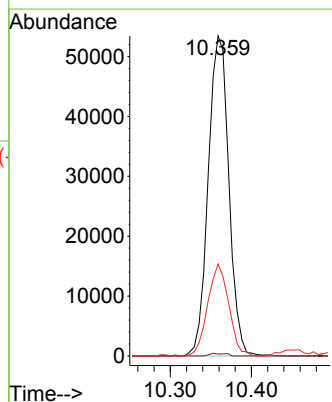
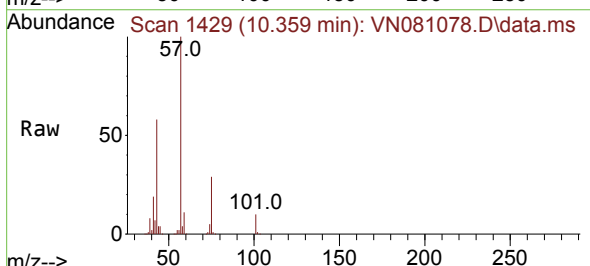
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1S

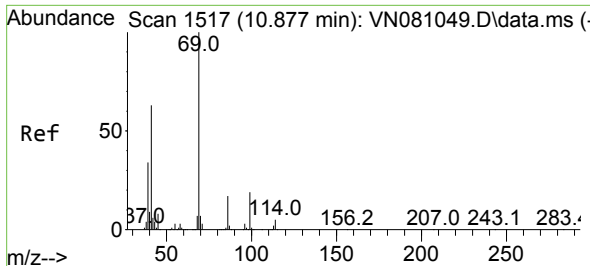
Tgt Ion: 75 Resp: 1617
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.131 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081078.D
 Acq: 19 Feb 2024 16:06

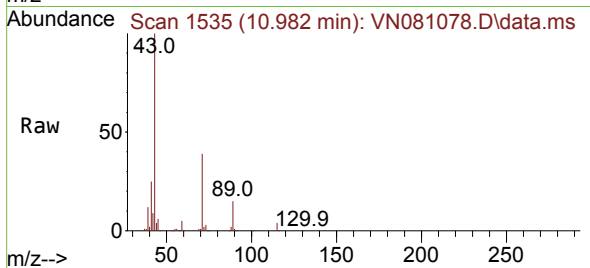
Tgt Ion: 75 Resp: 94063
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 28.7 44.6 66.8#



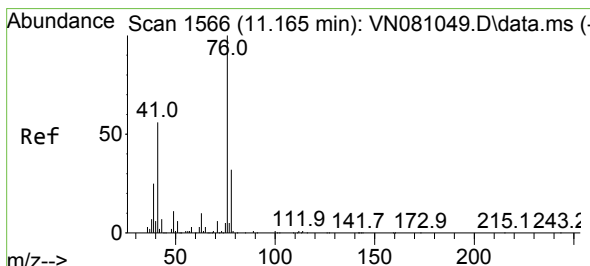
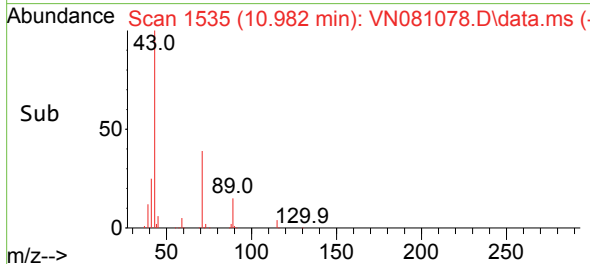
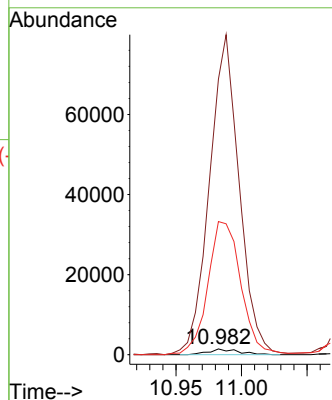


#56
Ethyl methacrylate
Concen: 0.297 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Instrument :
MSVOA_N
ClientSampleId :
WC-1S

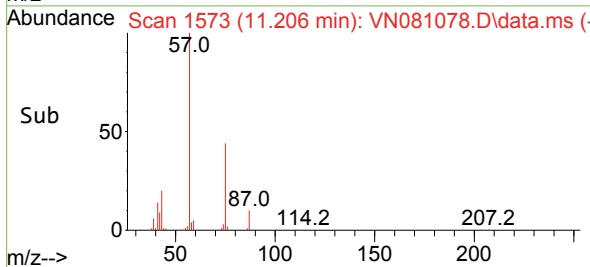
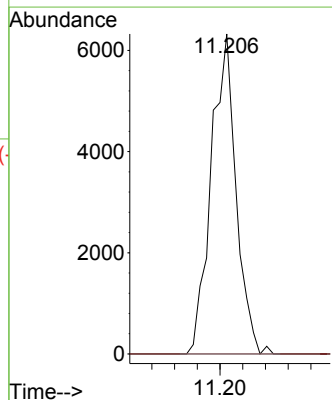
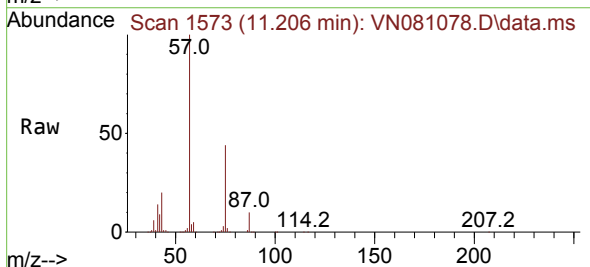


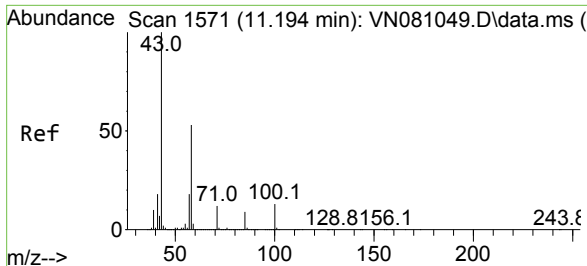
Tgt Ion: 69 Resp: 2251
Ion Ratio Lower Upper
69 100
41 5615.1 61.0 91.6#
39 2589.6 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.122 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 76 Resp: 9633
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

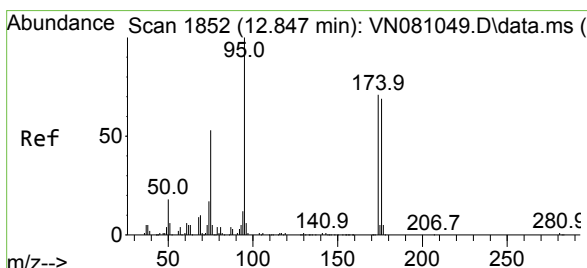
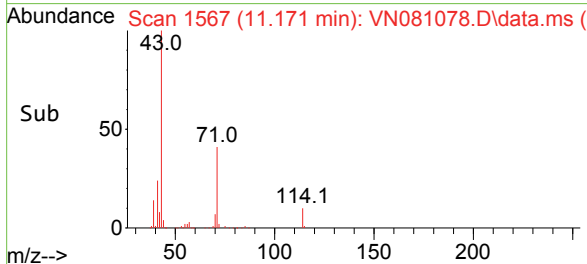
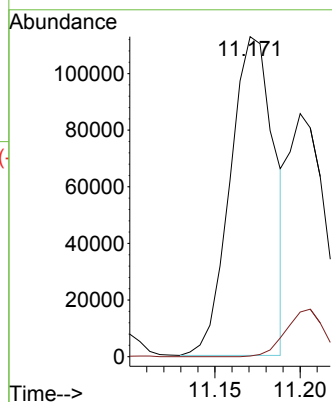
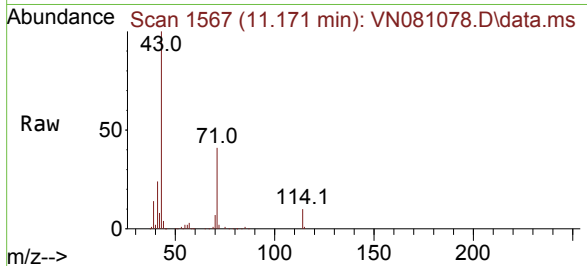




#59
2-Hexanone
Concen: 39.939 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

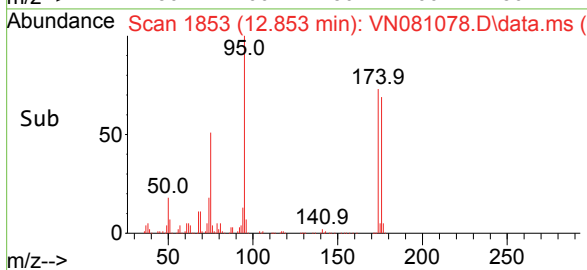
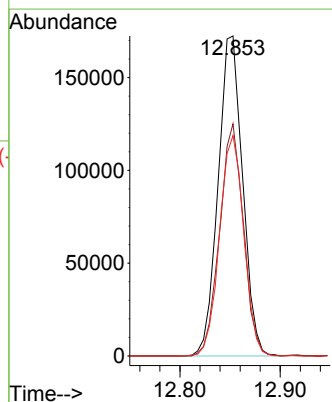
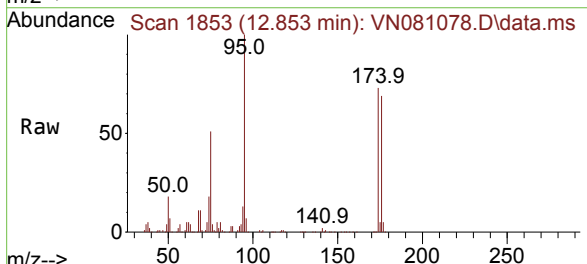
Instrument :
MSVOA_N
ClientSampleId :
WC-1S

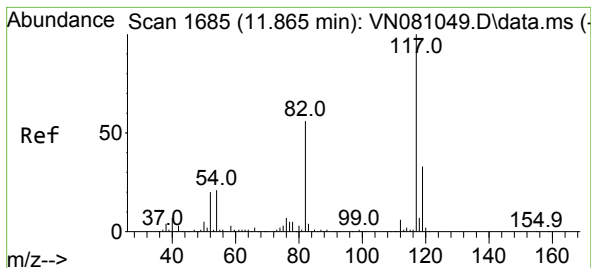
Tgt Ion: 43 Resp: 202523
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 53.190 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 95 Resp: 291870
Ion Ratio Lower Upper
95 100
174 70.3 0.0 120.4
176 68.1 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: VN081078.D

Acq: 19 Feb 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :

WC-1S

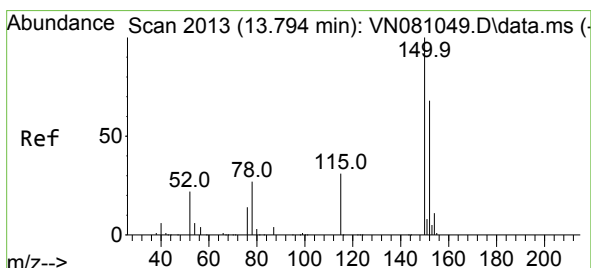
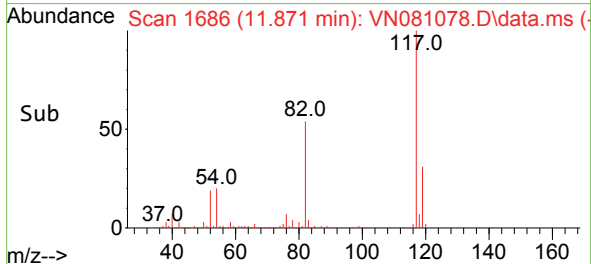
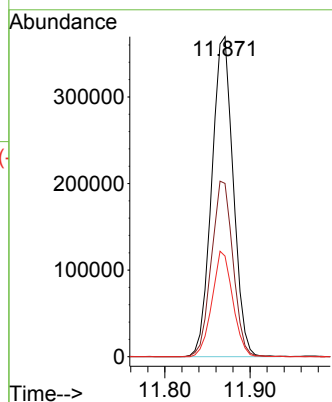
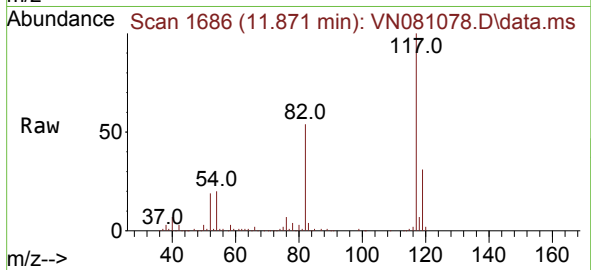
Tgt Ion:117 Resp: 649320

Ion Ratio Lower Upper

117 100

82 54.1 52.7 79.1

119 31.4 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081078.D

Acq: 19 Feb 2024 16:06

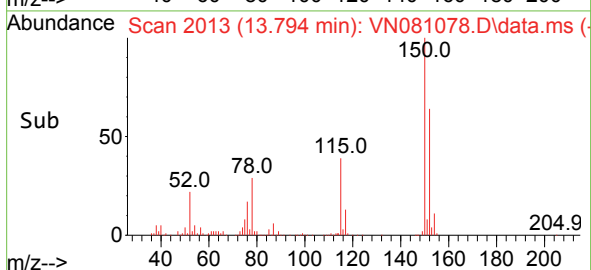
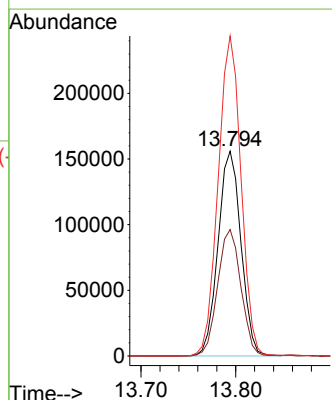
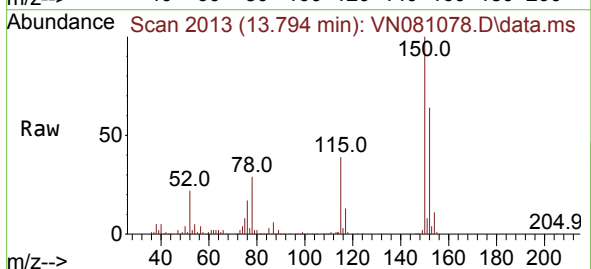
Tgt Ion:152 Resp: 262277

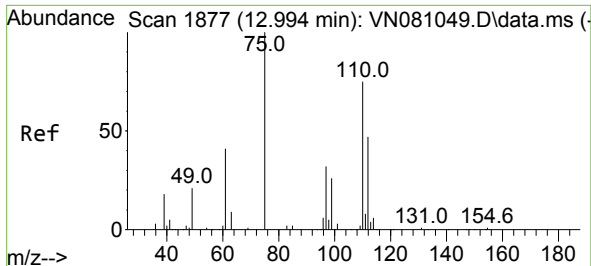
Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 155.8 0.0 339.8

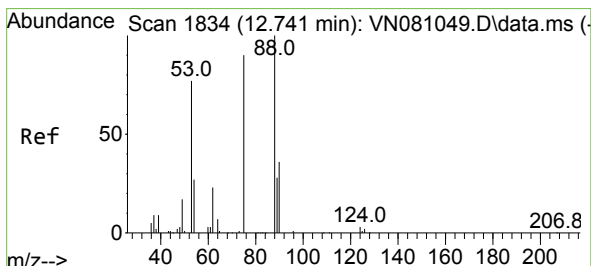
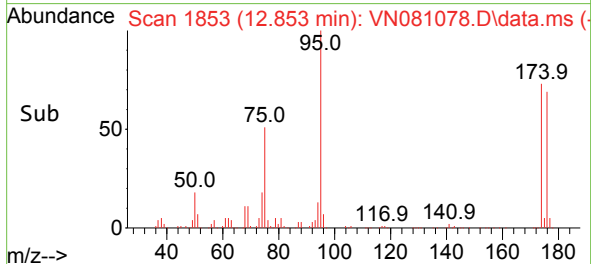
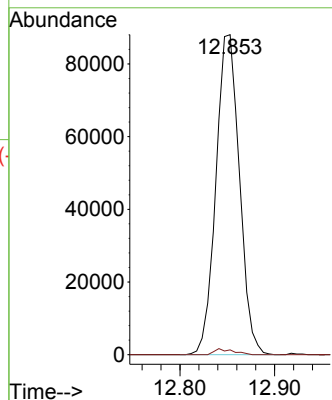
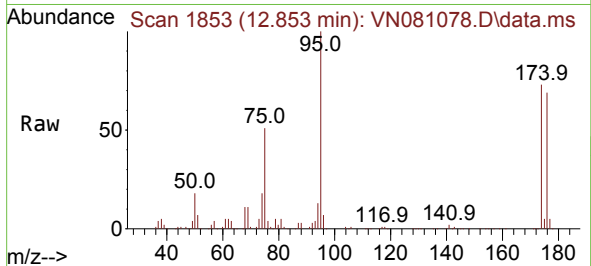




#76
1,2,3-Trichloropropane
Concen: 25.498 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Instrument :
MSVOA_N
ClientSampleId :
WC-1S

Tgt Ion: 75 Resp: 151945
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.630 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081078.D
Acq: 19 Feb 2024 16:06

Tgt Ion: 75 Resp: 151945
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

