

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078309.D
 Acq On : 20 Jun 2023 15:00
 Operator : JC\MD
 Sample : 03321-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20

Quant Time: Jun 21 05:47:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

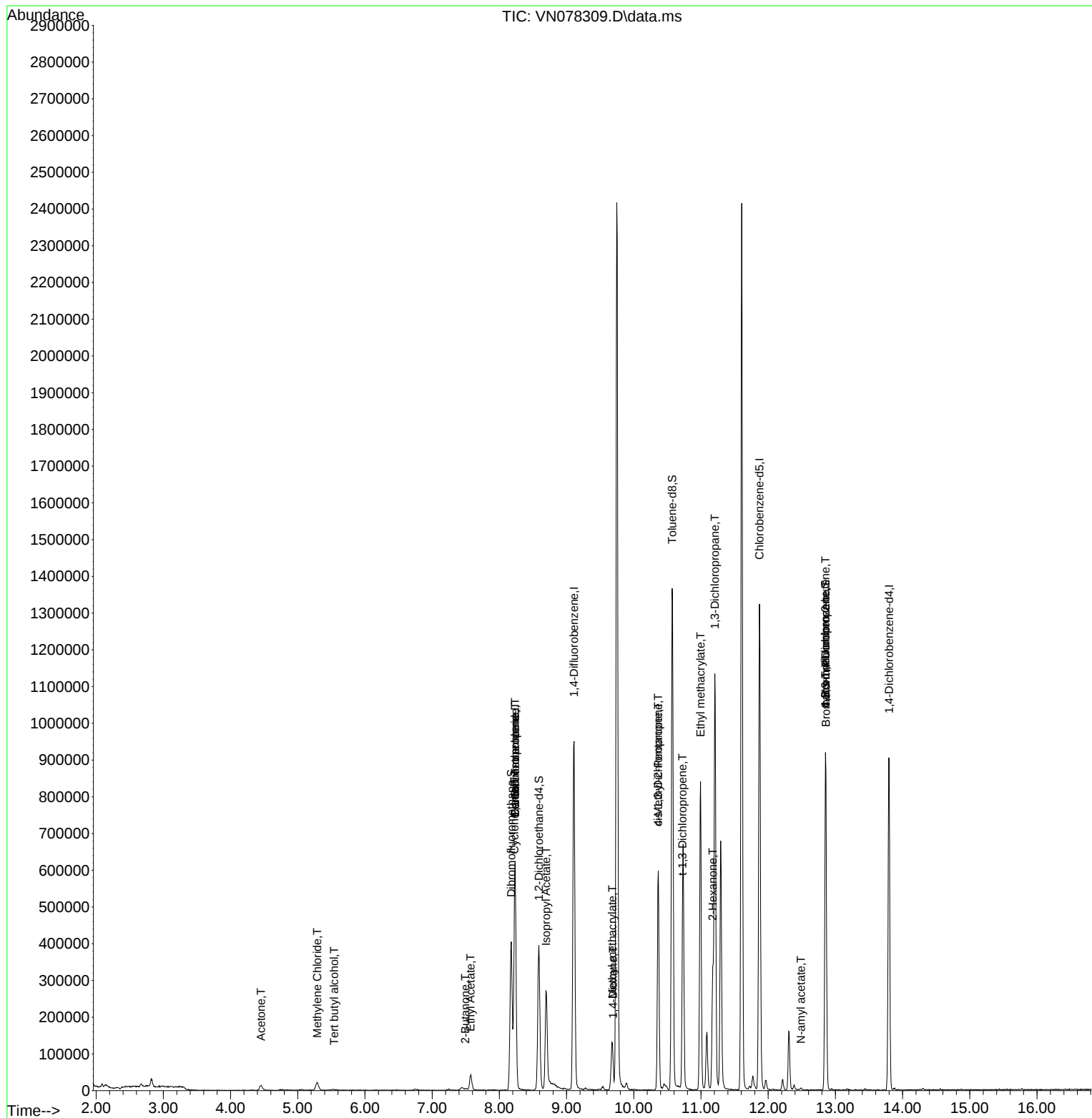
Internal Standards						
1) Pentafluorobenzene	8.235	168	447907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	832015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	789707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	250597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	316872	53.060	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.120%	
35) Dibromofluoromethane	8.177	113	293883	55.864	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.720%	
50) Toluene-d8	10.571	98	999352	49.276	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	12.853	95	323365	51.289	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1236	Below Cal		95
11) Tert butyl alcohol	5.541	59	1728	2.096	ug/l #	81
16) Acetone	4.453	43	26135	15.204	ug/l	99
20) Methylene Chloride	5.289	84	17274	3.041	ug/l #	77
25) 2-Butanone	7.494	43	6902	2.611	ug/l #	80
31) Cyclohexane	8.224	56	10145	1.324	ug/l #	48
36) 1,1-Dichloropropene	8.235	75	38260	5.070	ug/l #	49
37) Ethyl Acetate	7.571	43	62732	10.642	ug/l #	95
38) Carbon Tetrachloride	8.235	117	47818	6.001	ug/l #	17
43) Isopropyl Acetate	8.694	43	311031	27.589	ug/l #	82
48) Methyl methacrylate	9.682	41	8379	1.771	ug/l #	30
49) 1,4-Dioxane	9.694	88	285	2.866	ug/l #	30
51) 4-Methyl-2-Pentanone	10.365	43	214104	36.065	ug/l #	42
53) t-1,3-Dichloropropene	10.723	75	1814	0.227	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	113372	12.842	ug/l #	67
56) Ethyl methacrylate	10.994	69	3058	0.390	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	14218	1.565	ug/l #	42
59) 2-Hexanone	11.176	43	250249	60.541	ug/l #	19
71) Bromoform	12.859	173	3195	0.796	ug/l #	1
74) N-amyl acetate	12.488	43	2710	0.347	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.888	83	54	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	173185	29.233	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	173185	89.814	ug/l #	15

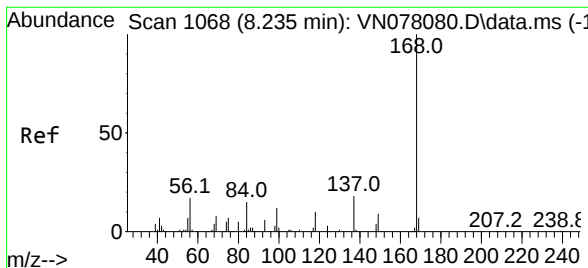
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
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Instrument :
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WC-20

Quant Time: Jun 21 05:47:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration

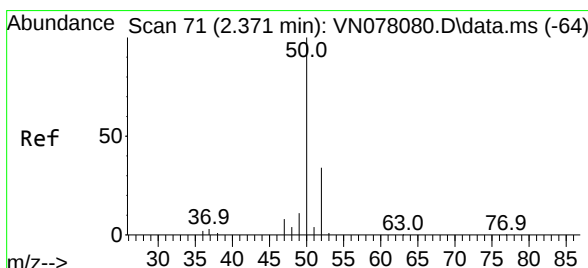
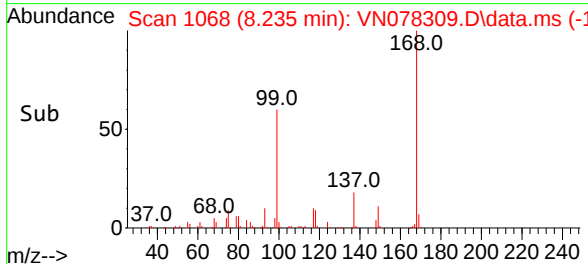
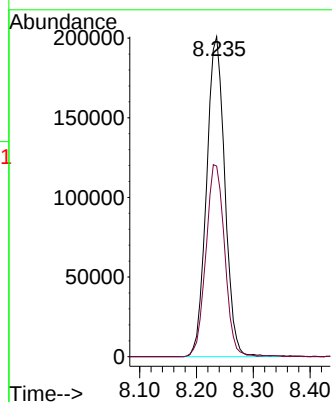
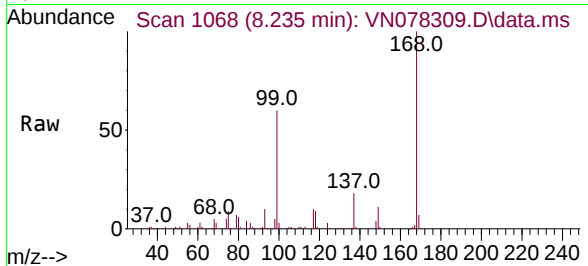




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

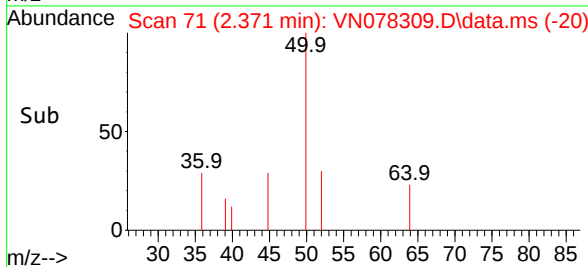
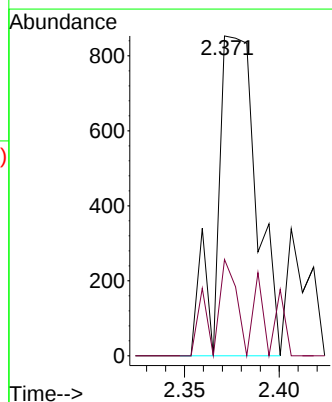
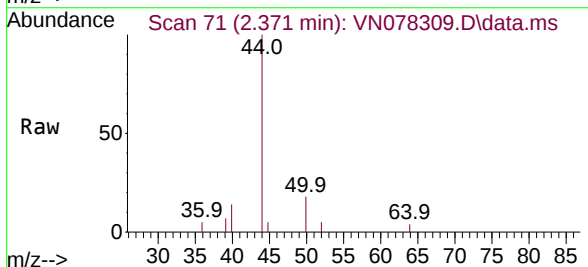
Instrument :
MSVOA_N
ClientSampleId :
WC-20

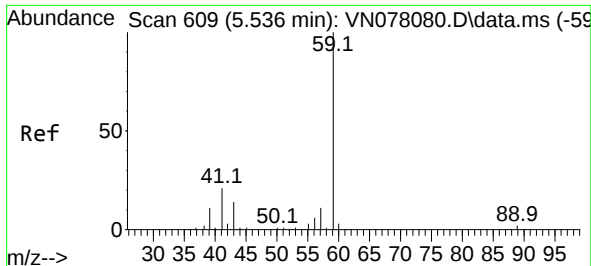
Tgt Ion:168 Resp: 447907
Ion Ratio Lower Upper
168 100
99 59.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 50 Resp: 1236
Ion Ratio Lower Upper
50 100
52 30.1 26.5 39.7

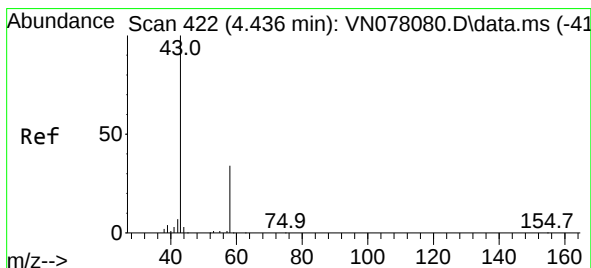
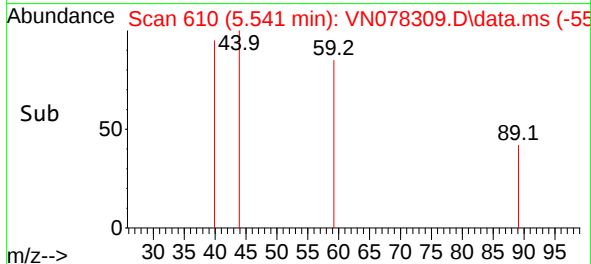
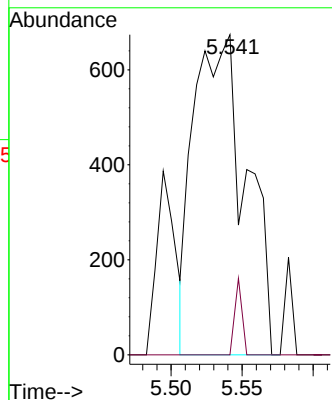
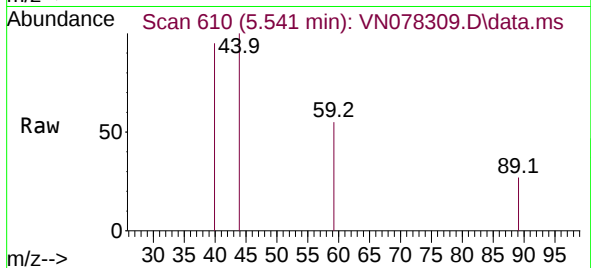




#11
Tert butyl alcohol
Concen: 2.096 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

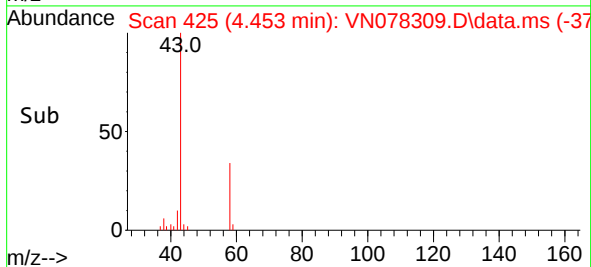
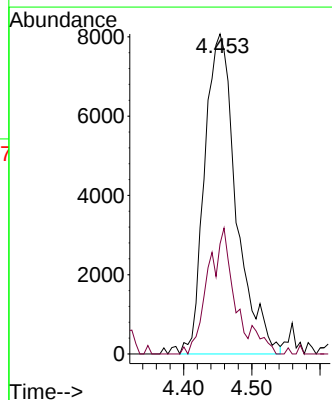
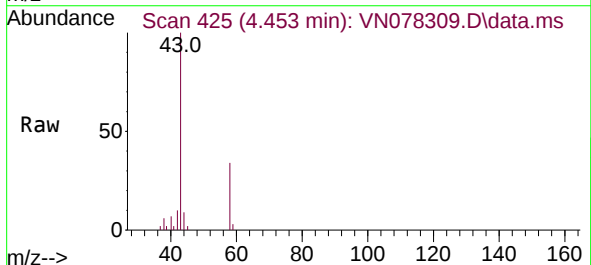
Instrument :
MSVOA_N
ClientSampleId :
WC-20

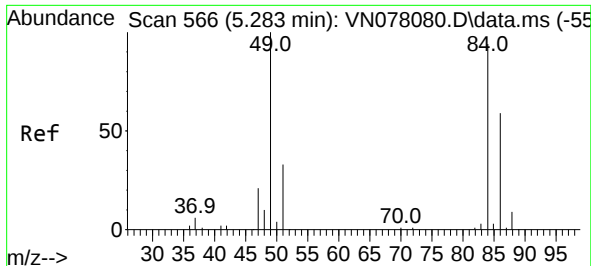
Tgt Ion: 59 Resp: 1728
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.4#



#16
Acetone
Concen: 15.204 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 43 Resp: 26135
Ion Ratio Lower Upper
43 100
58 34.4 28.0 42.0

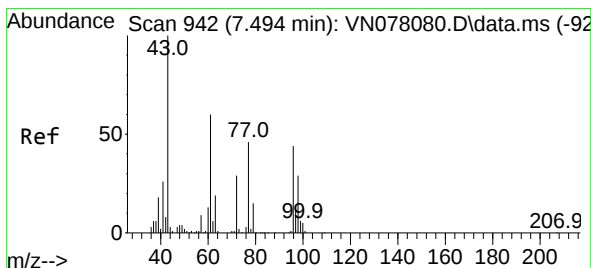
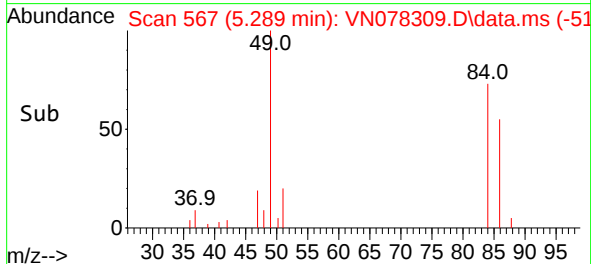
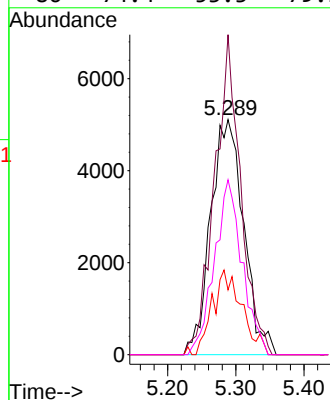
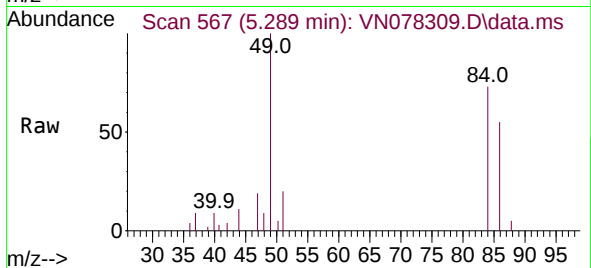




#20
Methylene Chloride
Concen: 3.041 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

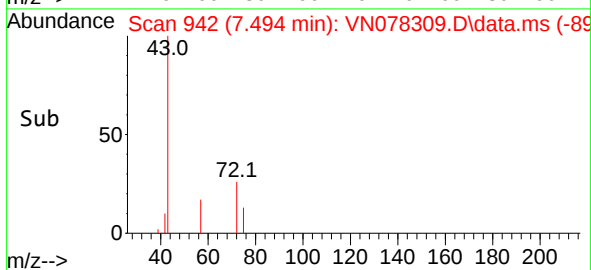
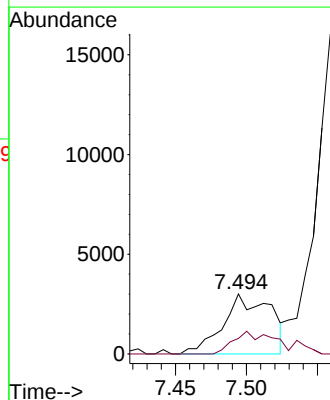
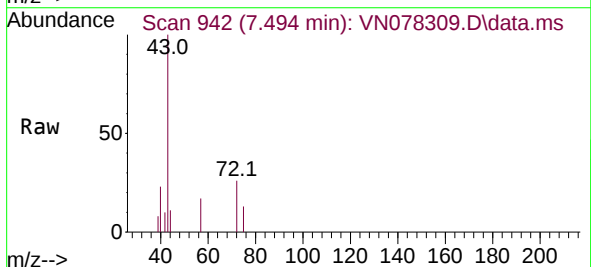
Instrument :
MSVOA_N
ClientSampleId :
WC-20

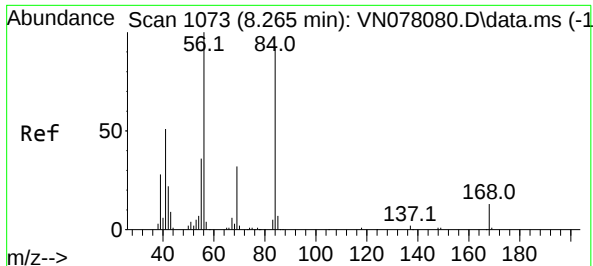
Tgt Ion: 84	Resp: 17274
Ion Ratio	Lower Upper
84 100	
49 136.1	79.7 119.5#
51 27.6	25.2 37.8
86 74.4	53.3 79.9



#25
2-Butanone
Concen: 2.611 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 43	Resp: 6902		
Ion Ratio	Lower	Upper	
43 100			
72 25.9	30.2	45.2#	

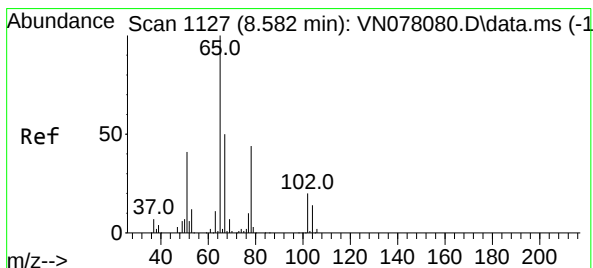
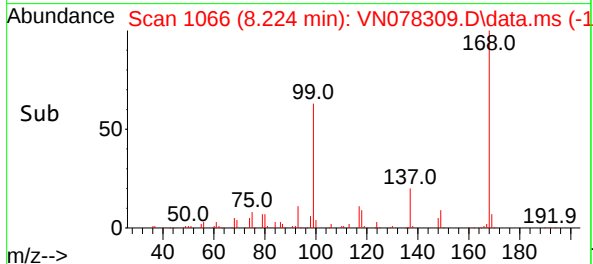
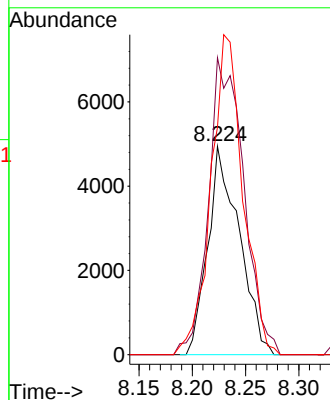
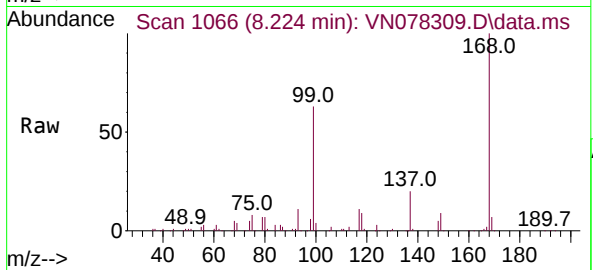




#31
Cyclohexane
Concen: 1.324 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

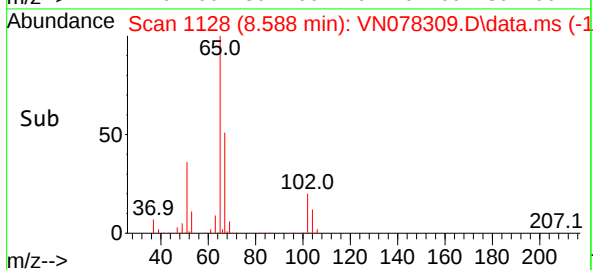
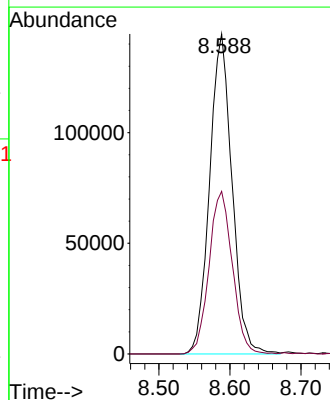
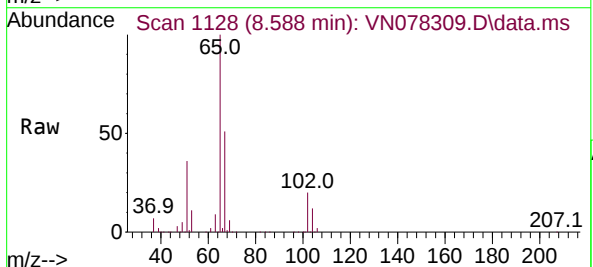
Instrument :
MSVOA_N
ClientSampleId :
WC-20

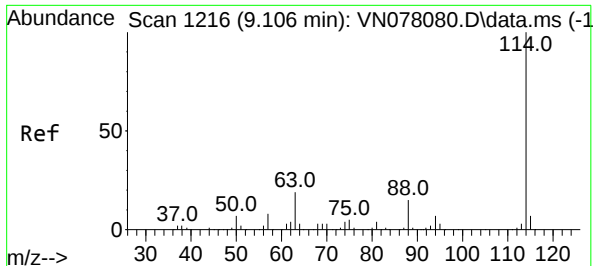
Tgt Ion: 56 Resp: 10145
Ion Ratio Lower Upper
56 100
69 142.6 26.8 40.2#
84 109.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.060 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 65 Resp: 316872
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078309.D

Acq: 20 Jun 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :

WC-20

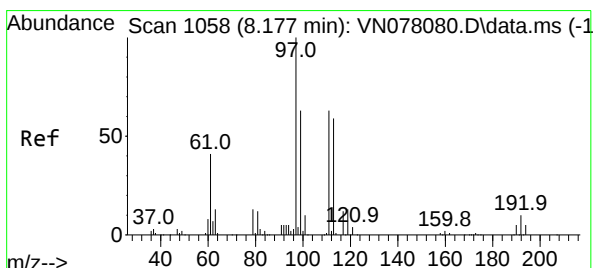
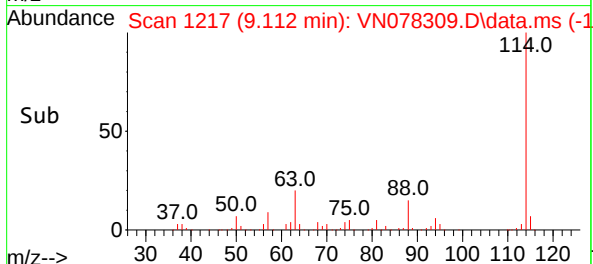
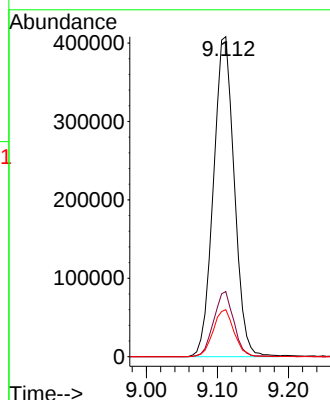
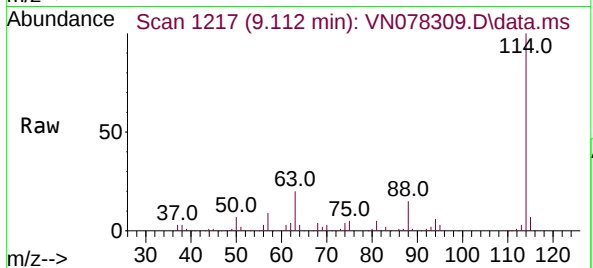
Tgt Ion:114 Resp: 832015

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.864 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078309.D

Acq: 20 Jun 2023 15:00

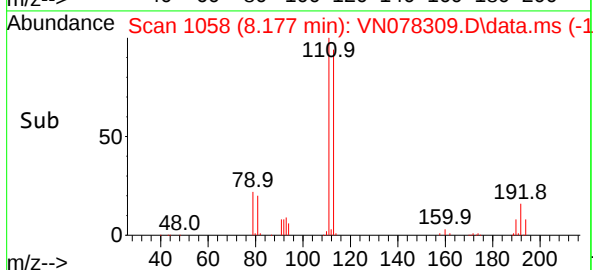
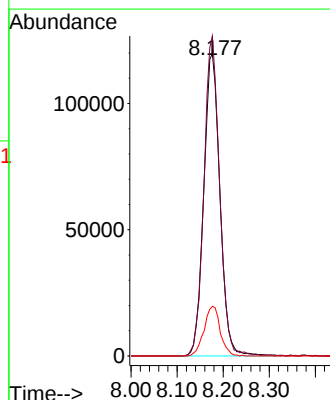
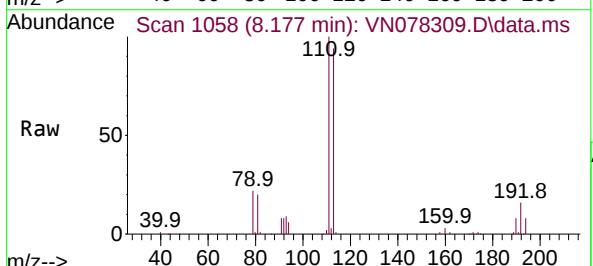
Tgt Ion:113 Resp: 293883

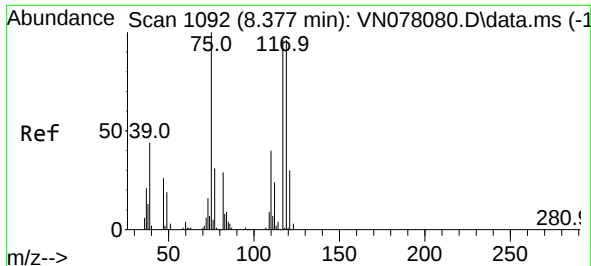
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 16.4 12.7 19.1

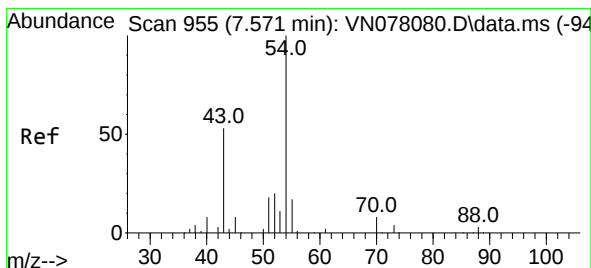
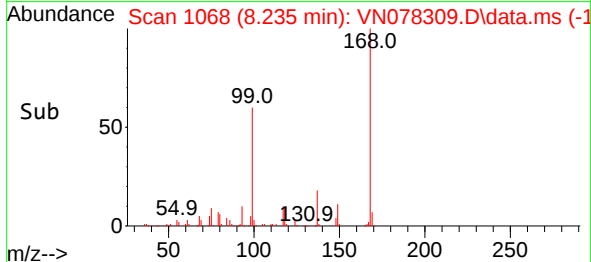
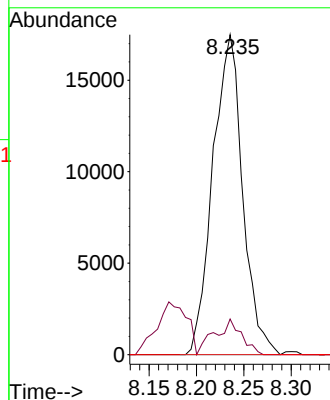
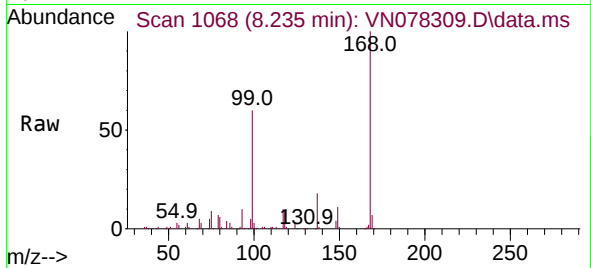




#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

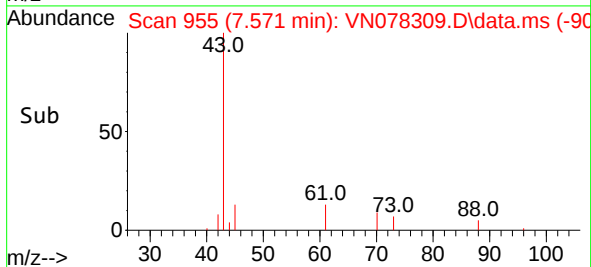
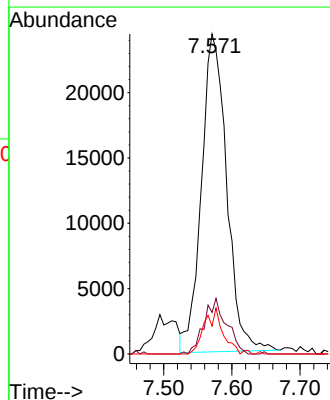
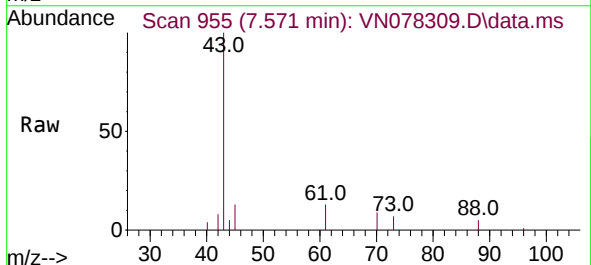
Instrument :
MSVOA_N
ClientSampleId :
WC-20

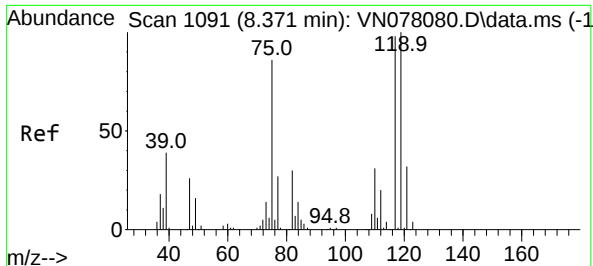
Tgt Ion: 75 Resp: 38260
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.642 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

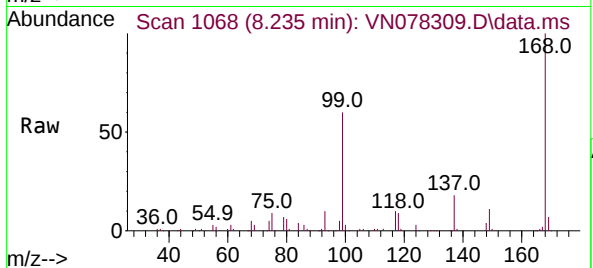
Tgt Ion: 43 Resp: 62732
Ion Ratio Lower Upper
43 100
61 15.5 13.2 19.8
70 10.8 11.3 16.9#



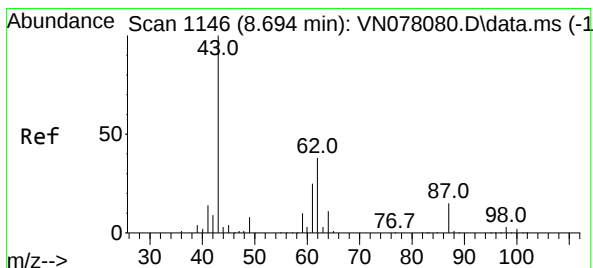
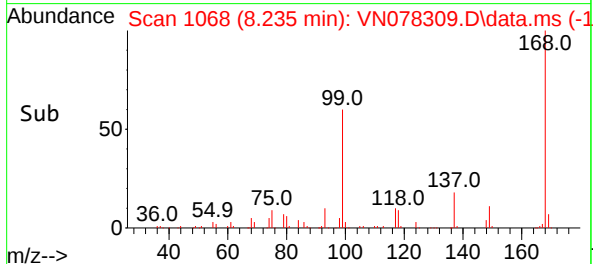
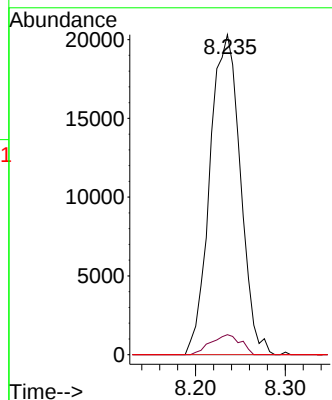


#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Instrument :
MSVOA_N
ClientSampleId :
WC-20

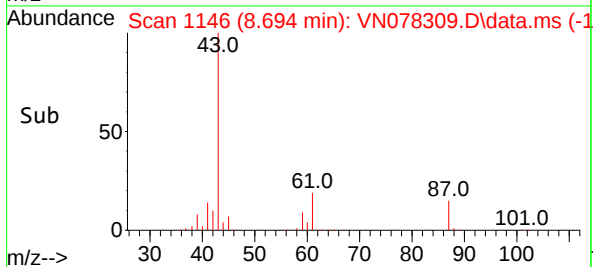
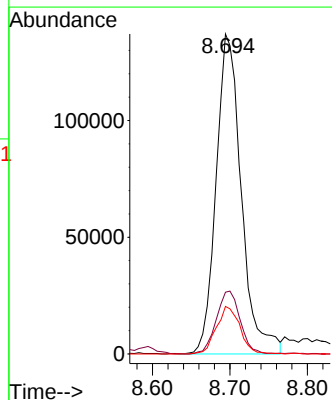
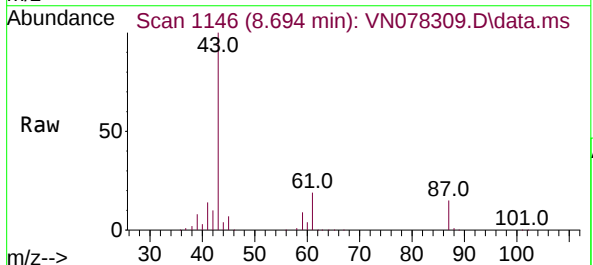


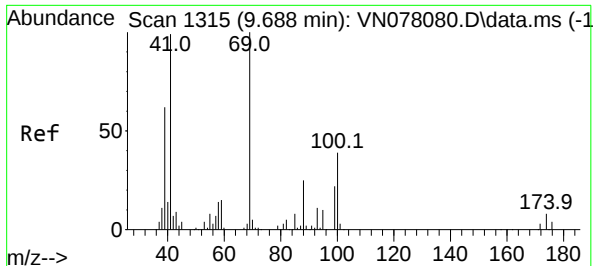
Tgt Ion:117 Resp: 47818
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 27.589 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 43 Resp: 311031
Ion Ratio Lower Upper
43 100
61 18.5 24.7 37.1#
87 13.9 14.6 21.8#

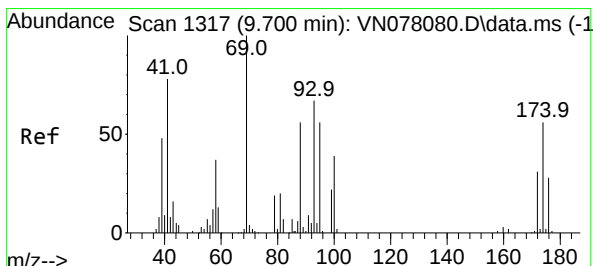
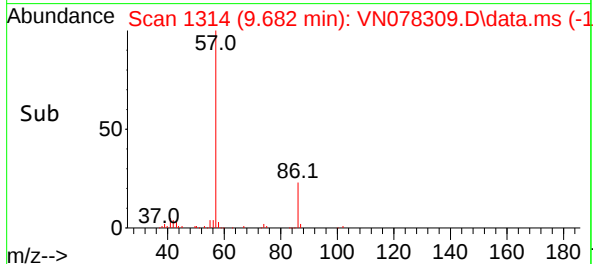
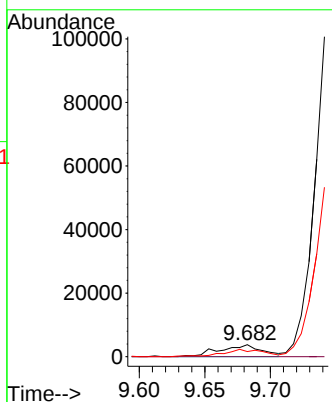
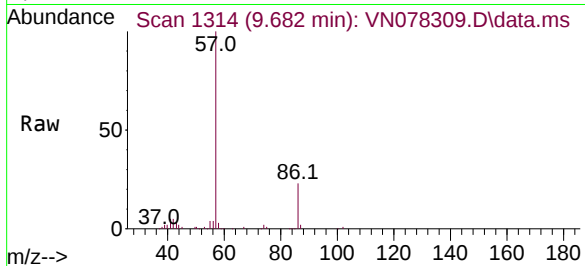




#48
Methyl methacrylate
Concen: 1.771 ug/l
RT: 9.682 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

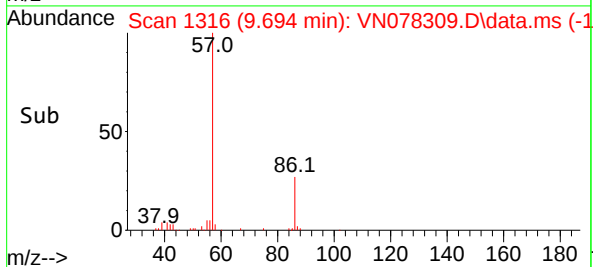
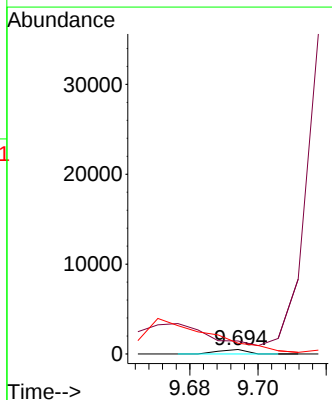
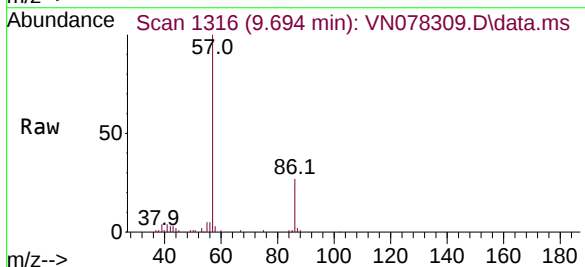
Instrument :
MSVOA_N
ClientSampleId :
WC-20

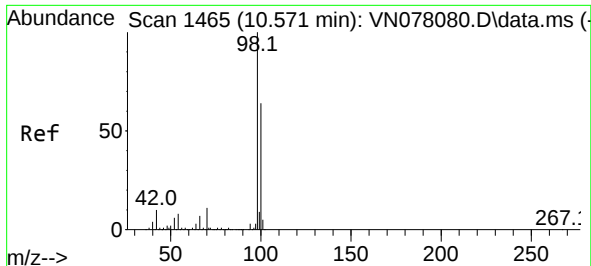
Tgt Ion: 41 Resp: 8379
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 59.1 54.6 81.8



#49
1,4-Dioxane
Concen: 2.866 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 88 Resp: 285
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

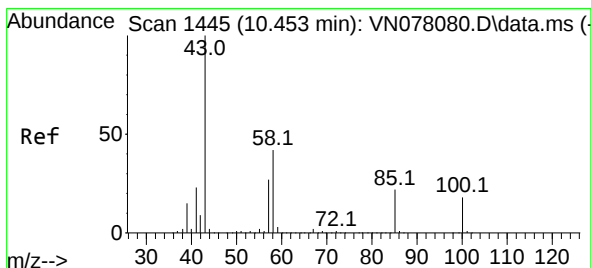
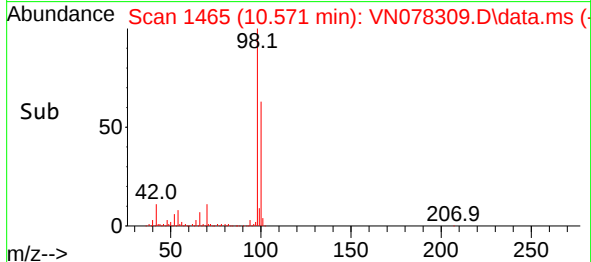
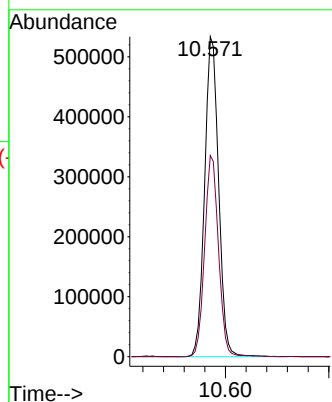
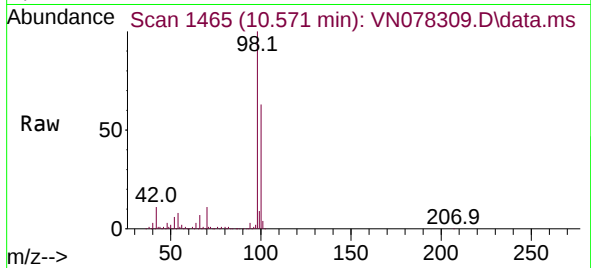




#50
Toluene-d8
Concen: 49.276 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

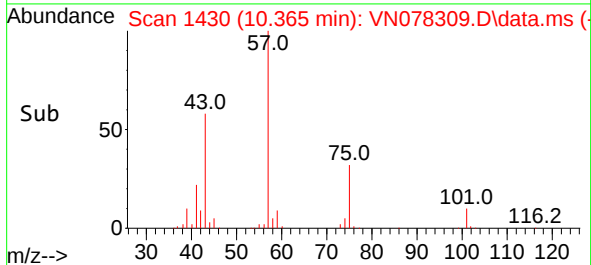
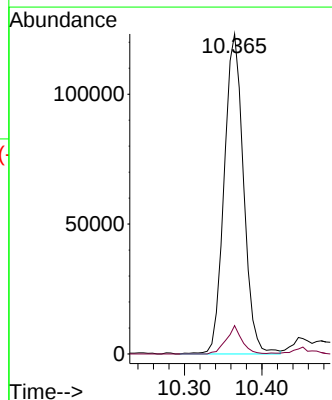
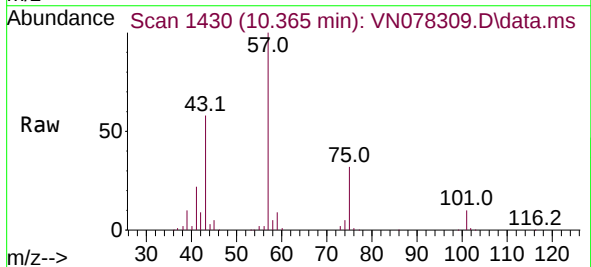
Instrument :
MSVOA_N
ClientSampleId :
WC-20

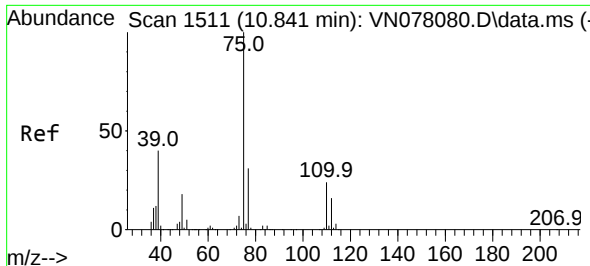
Tgt Ion: 98 Resp: 999352
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 36.065 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.088 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 43 Resp: 214104
Ion Ratio Lower Upper
43 100
58 7.2 36.6 54.8#

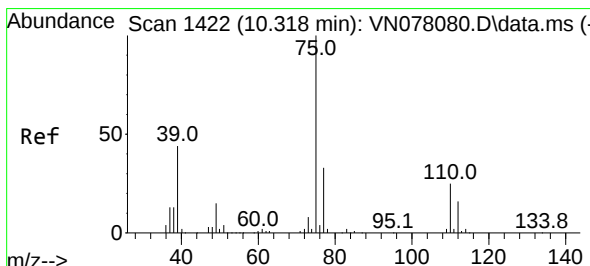
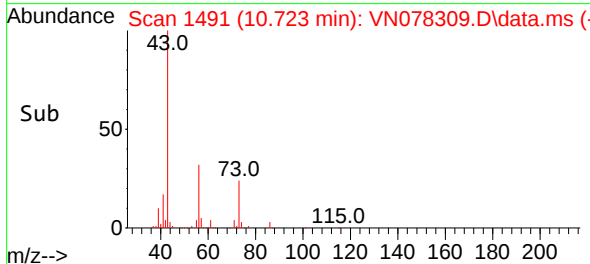
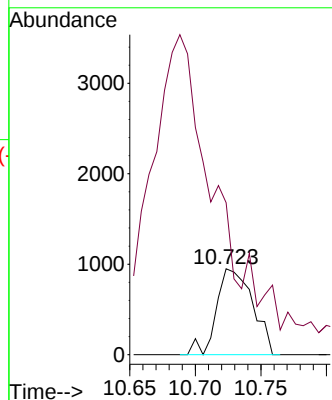
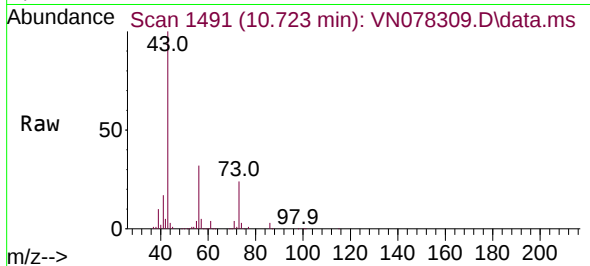




#53
t-1,3-Dichloropropene
Concen: 0.227 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.118 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

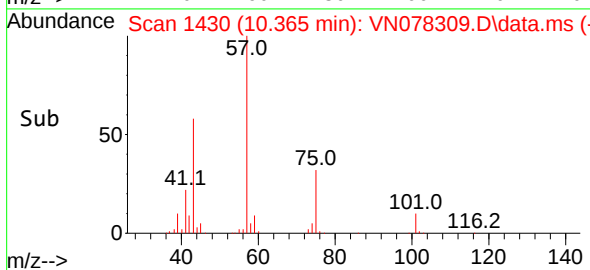
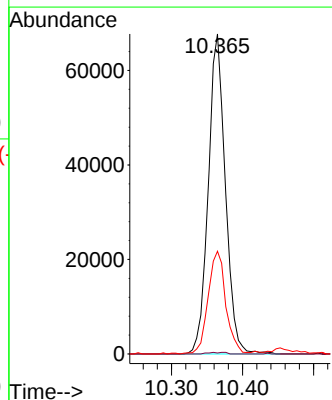
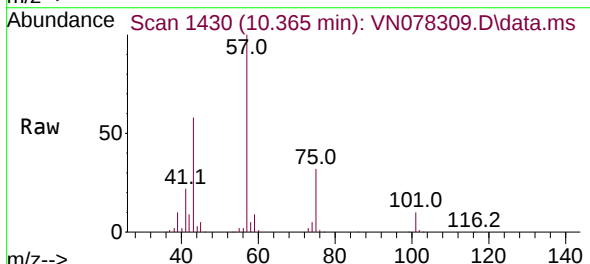
Instrument :
MSVOA_N
ClientSampleId :
WC-20

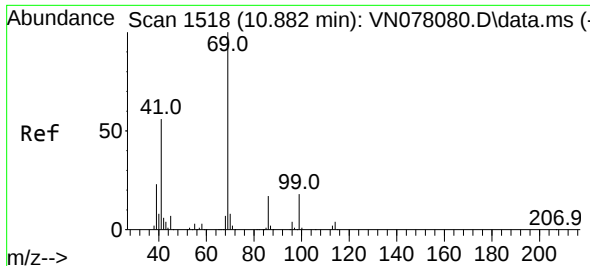
Tgt Ion: 75 Resp: 1814
Ion Ratio Lower Upper
75 100
77 148.3 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 12.842 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 75 Resp: 113372
Ion Ratio Lower Upper
75 100
77 0.3 26.1 39.1#
39 32.1 31.6 47.4

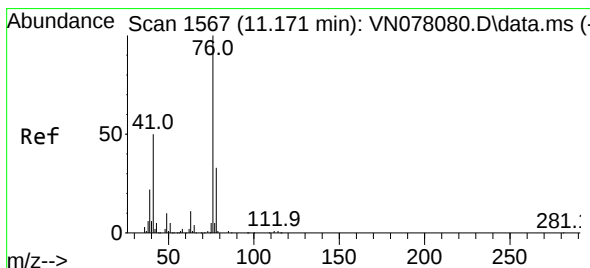
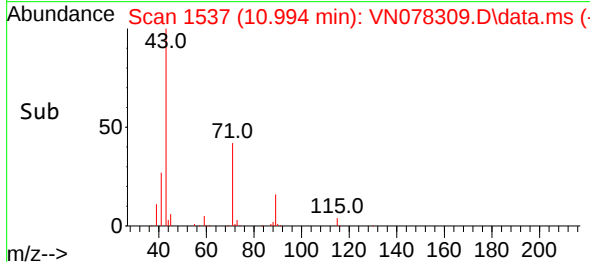
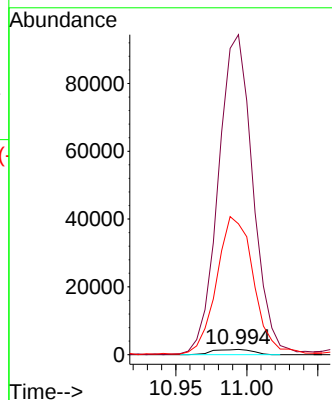
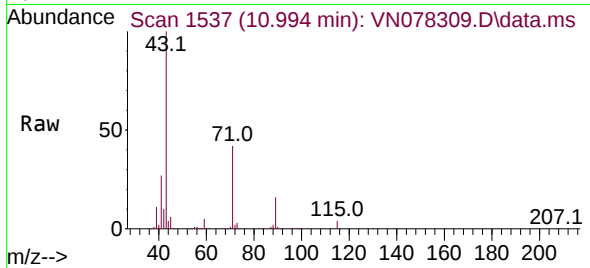




#56
Ethyl methacrylate
Concen: 0.390 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.112 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

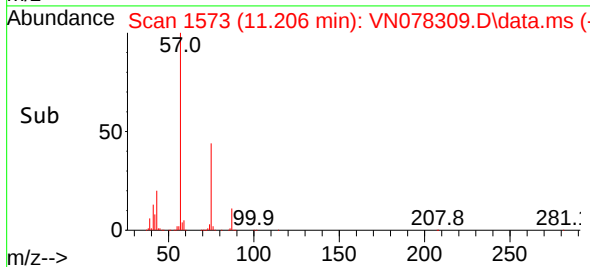
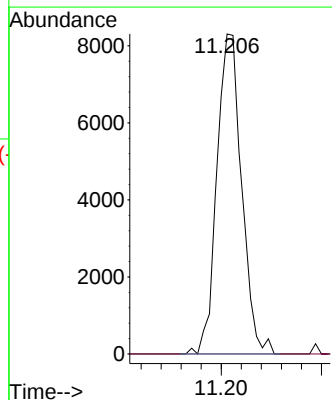
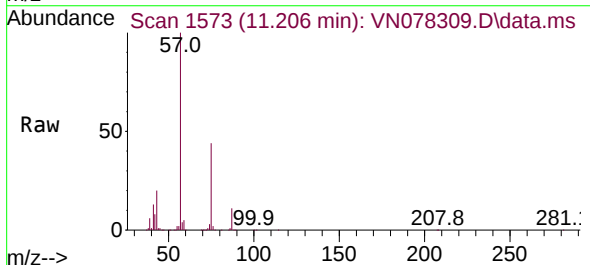
Instrument :
MSVOA_N
ClientSampleId :
WC-20

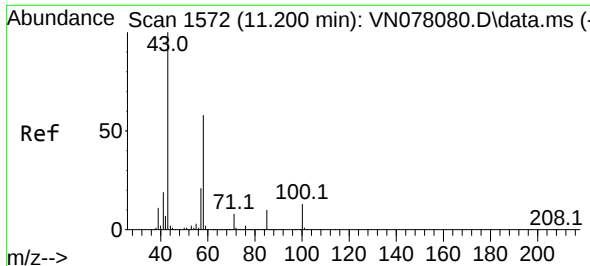
Tgt Ion: 69 Resp: 3058
Ion Ratio Lower Upper
69 100
41 5247.7 39.6 59.4#
39 2439.6 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.565 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 76 Resp: 14218
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

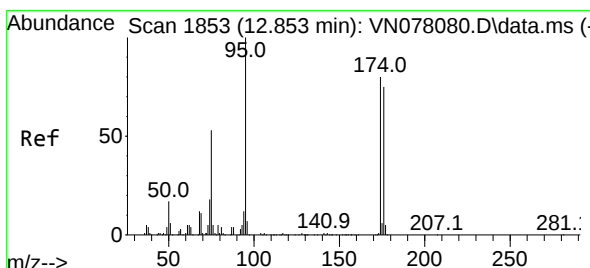
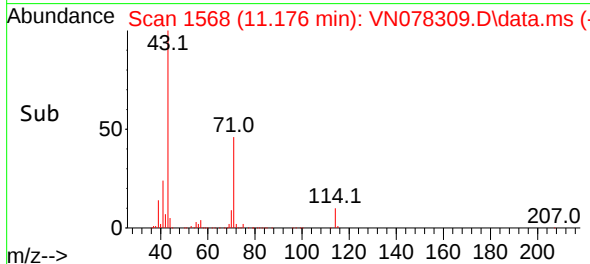
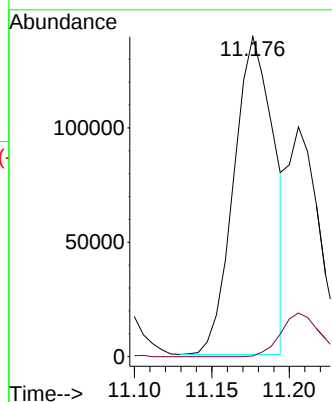
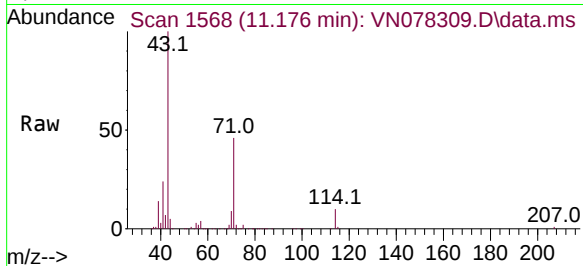




#59
2-Hexanone
Concen: 60.541 ug/l
RT: 11.176 min Scan# 1117
Delta R.T. -0.024 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

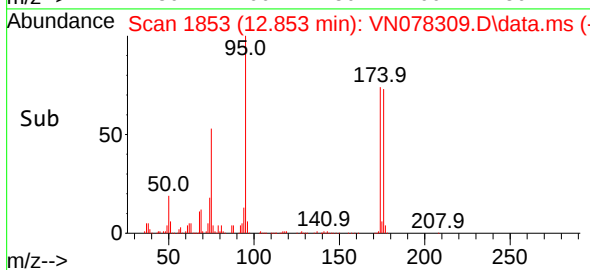
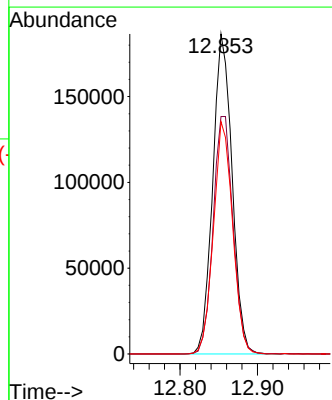
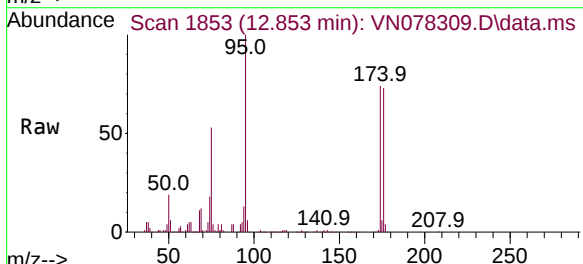
Instrument :
MSVOA_N
ClientSampleId :
WC-20

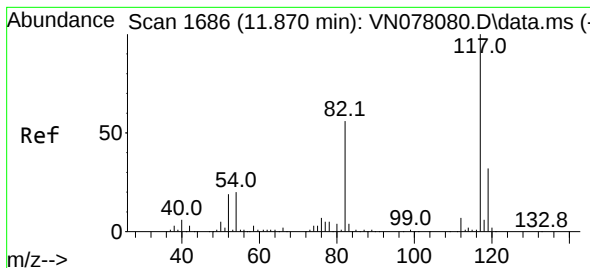
Tgt Ion: 43 Resp: 250249
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.289 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 95 Resp: 323365
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 72.0 0.0 135.8

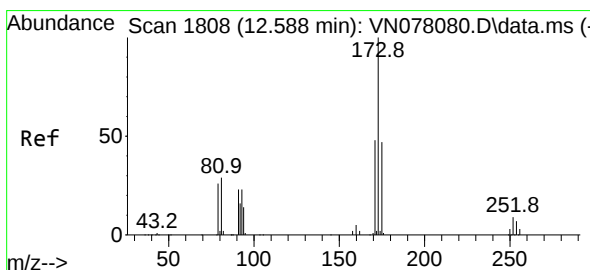
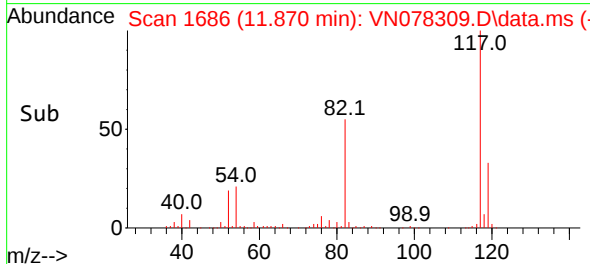
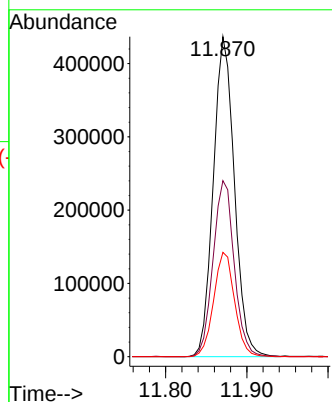
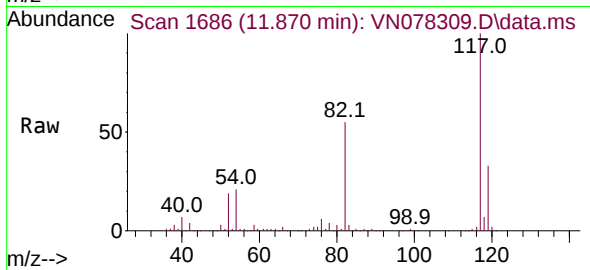




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

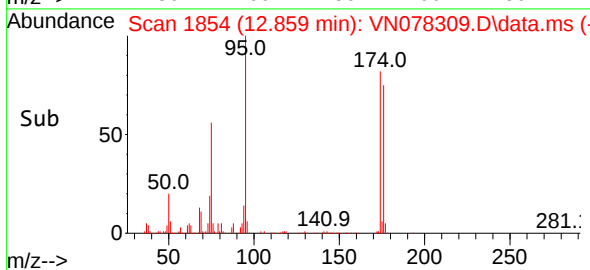
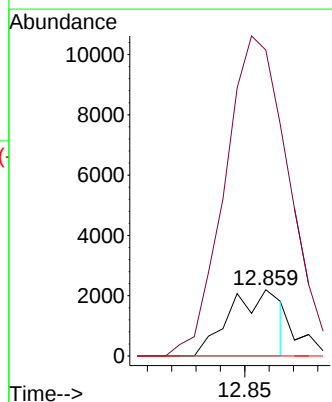
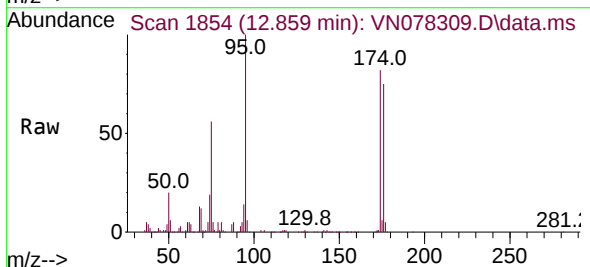
Instrument :
MSVOA_N
ClientSampleId :
WC-20

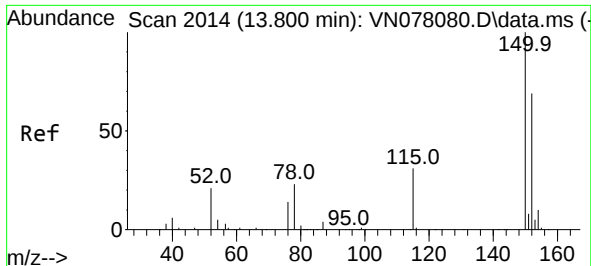
Tgt Ion:117 Resp: 789707
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 32.6 25.6 38.4



#71
Bromoform
Concen: 0.796 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion:173 Resp: 3195
Ion Ratio Lower Upper
173 100
175 512.1 24.3 73.0#
254 0.0 0.0 0.0

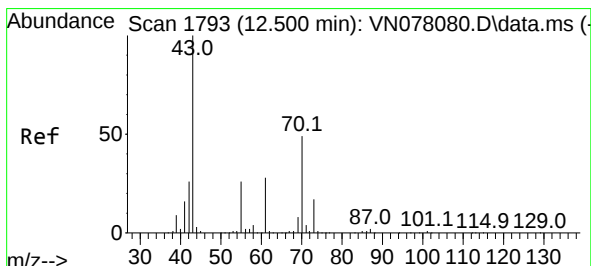
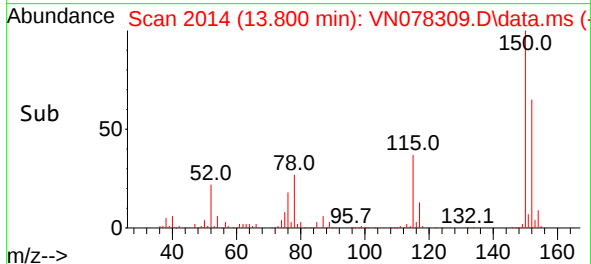
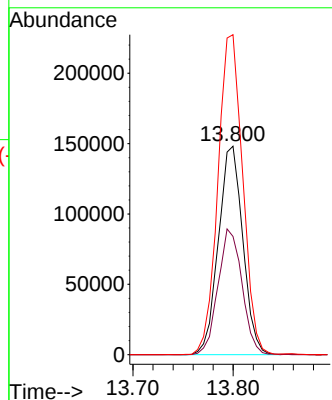
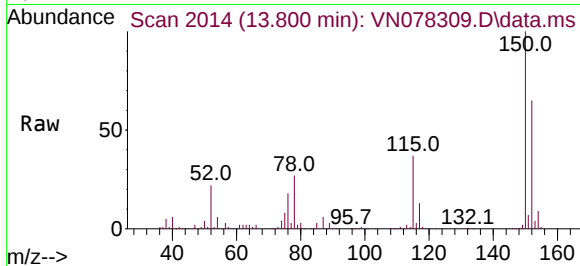




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078309.D
 Acq: 20 Jun 2023 15:00

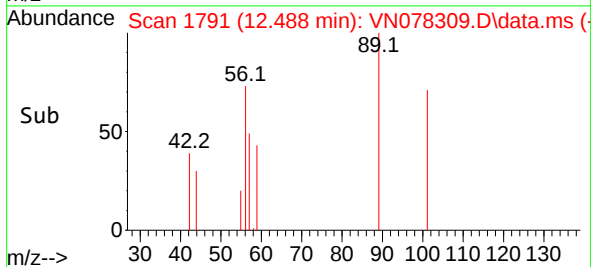
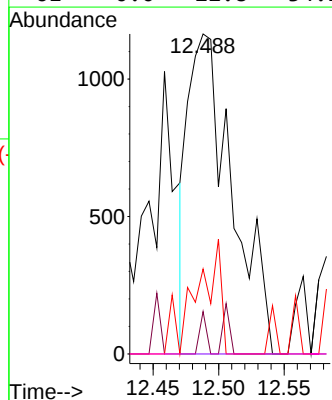
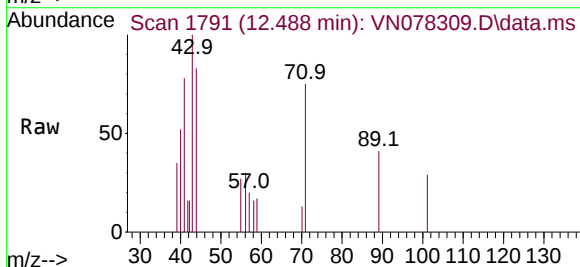
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20

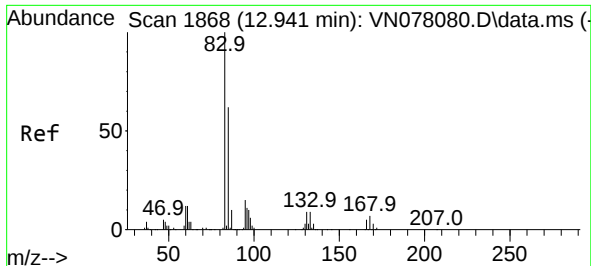
Tgt Ion:152 Resp: 250597
 Ion Ratio Lower Upper
 152 100
 115 59.1 32.3 96.8
 150 155.7 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.347 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN078309.D
 Acq: 20 Jun 2023 15:00

Tgt Ion: 43 Resp: 2710
 Ion Ratio Lower Upper
 43 100
 70 2.4 43.4 65.2#
 55 20.3 21.4 32.0#
 61 0.0 22.8 34.2#

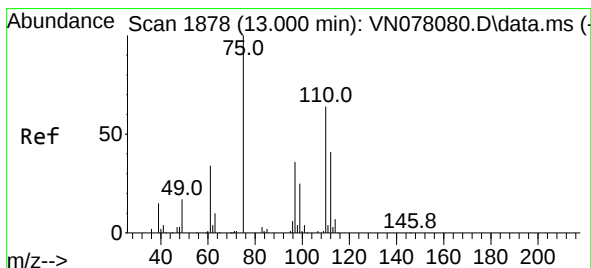
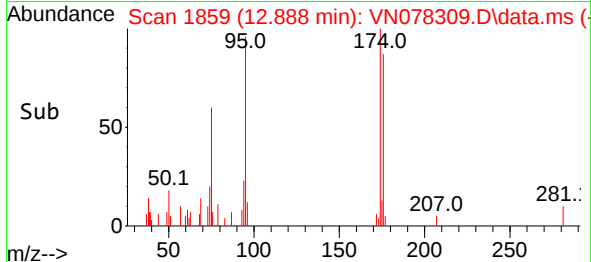
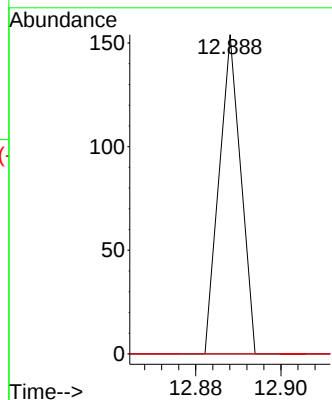
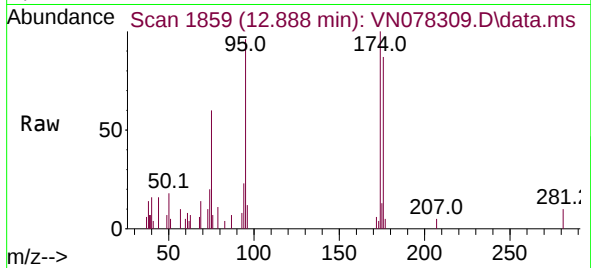




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.888 min Scan# 1859
Delta R.T. -0.053 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

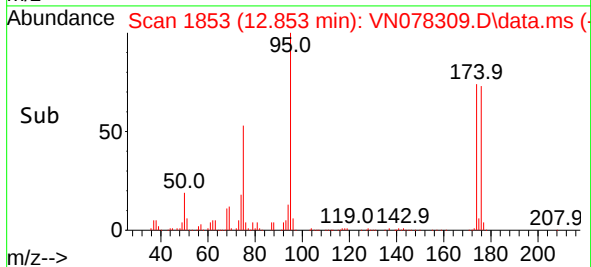
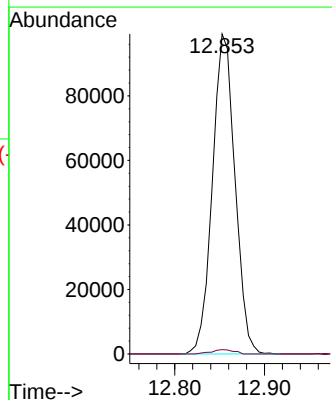
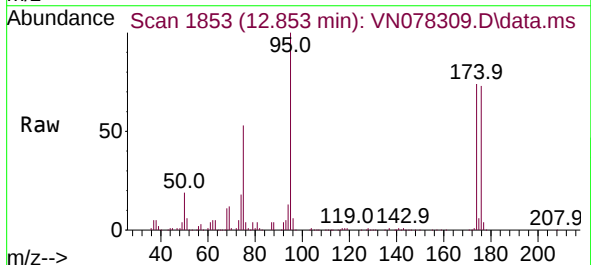
Instrument :
MSVOA_N
ClientSampleId :
WC-20

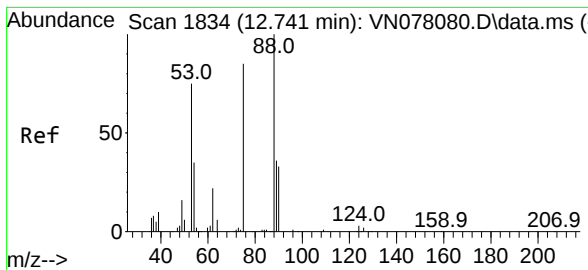
Tgt Ion: 83 Resp: 54
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 29.233 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Tgt Ion: 75 Resp: 173185
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 89.814 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078309.D
Acq: 20 Jun 2023 15:00

Instrument :
MSVOA_N
ClientSampleId :
WC-20

Tgt Ion: 75 Resp: 173185
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

