

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078801.D
 Acq On : 08 Aug 2023 14:48
 Operator : JC\MD
 Sample : 03921-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Aug 09 02:48:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

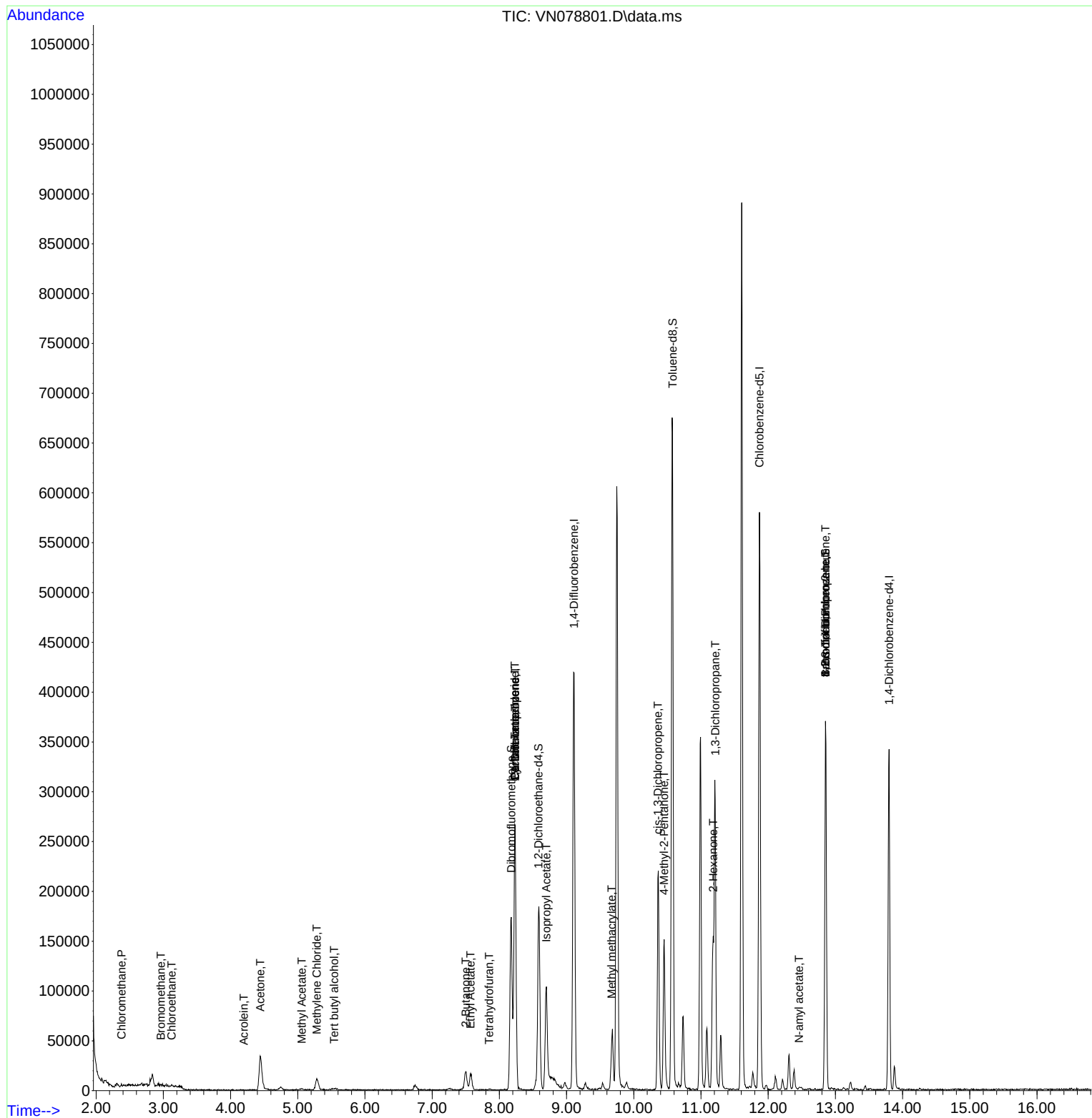
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	186217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	359683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	322590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	83239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	146424	52.450	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.900%	
35) Dibromofluoromethane	8.177	113	118951	48.972	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.940%	
50) Toluene-d8	10.576	98	444987	49.783	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.560%	
62) 4-Bromofluorobenzene	12.853	95	117153	43.855	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.700%	
Target Compounds						Qvalue
3) Chloromethane	2.377	50	715	0.223	ug/l #	42
5) Bromomethane	2.965	94	1128	0.526	ug/l #	4
6) Chloroethane	3.124	64	773	0.388	ug/l #	43
11) Tert butyl alcohol	5.542	59	1643	3.353	ug/l #	92
13) Acrolein	4.200	56	83	0.200	ug/l #	16
16) Acetone	4.442	43	63405	59.030	ug/l	95
18) Methyl Acetate	5.059	43	2240	0.464	ug/l #	68
20) Methylene Chloride	5.283	84	7585	2.851	ug/l #	70
25) 2-Butanone	7.500	43	31423	17.276	ug/l #	77
29) Tetrahydrofuran	7.847	42	427	0.351	ug/l #	30
31) Cyclohexane	8.235	56	5598	1.365	ug/l #	47
36) 1,1-Dichloropropene	8.235	75	17767	4.715	ug/l #	46
37) Ethyl Acetate	7.571	43	25287	6.311	ug/l #	95
38) Carbon Tetrachloride	8.230	117	21043	5.417	ug/l #	16
43) Isopropyl Acetate	8.700	43	126574	18.738	ug/l #	76
48) Methyl methacrylate	9.671	41	3768	1.207	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	106386	25.712	ug/l	86
54) cis-1,3-Dichloropropene	10.359	75	37221	8.284	ug/l #	69
57) 1,3-Dichloropropane	11.212	76	2857	0.594	ug/l #	42
59) 2-Hexanone	11.182	43	169259	57.772	ug/l #	27
71) Bromoform	12.853	173	1007	0.507	ug/l #	1
74) N-amyl acetate	12.459	43	1965	0.529	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	68930	30.629	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68930	82.187	ug/l #	15

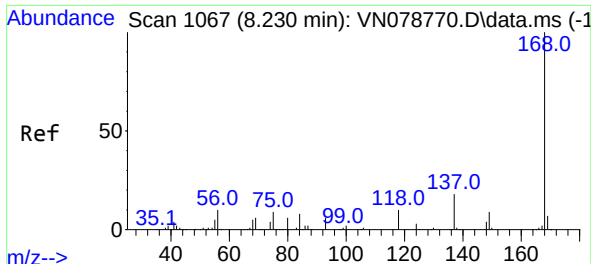
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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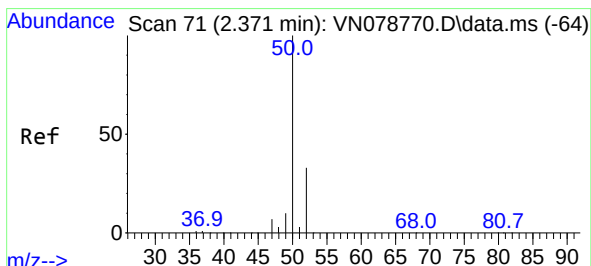
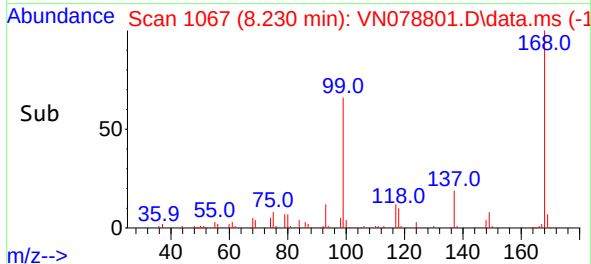
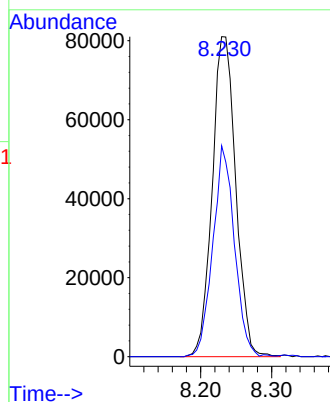
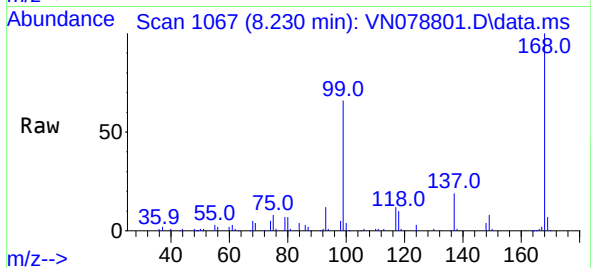




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

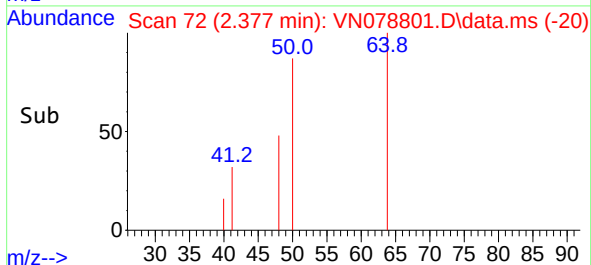
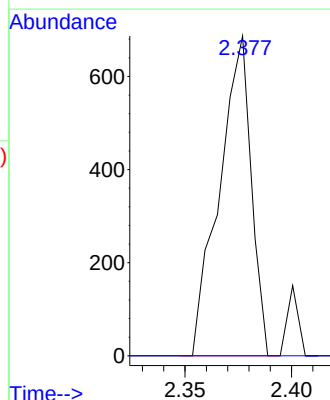
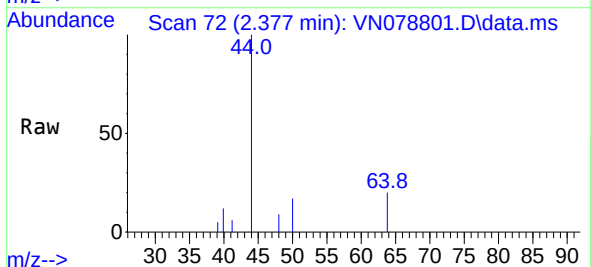
Instrument :
MSVOA_N
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WC-1

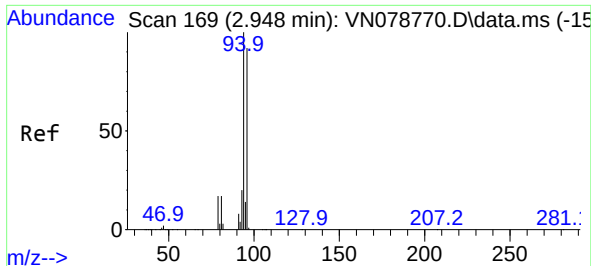
Tgt Ion:168 Resp: 186217
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: 0.223 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 50 Resp: 715
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

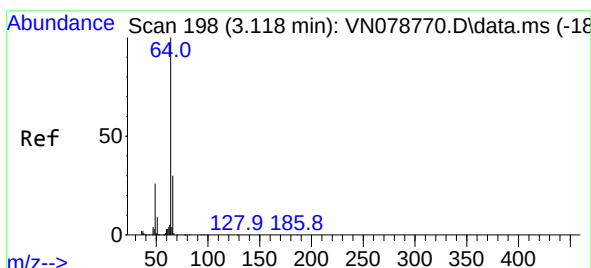
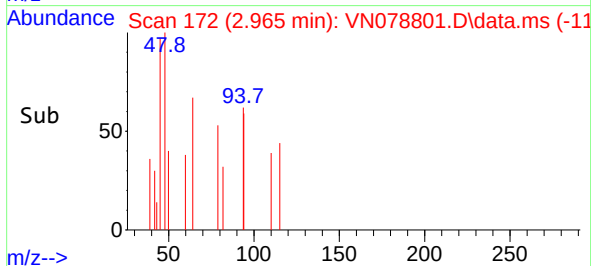
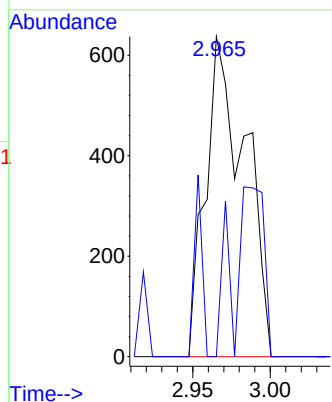
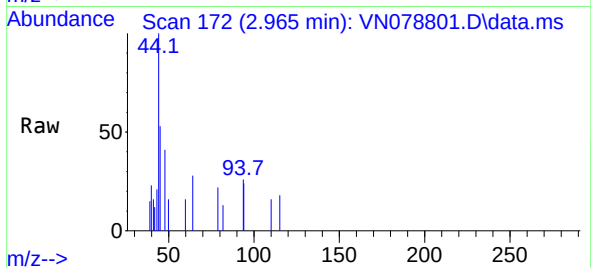




#5
Bromomethane
Concen: 0.526 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

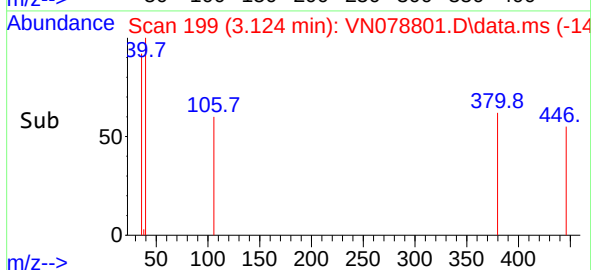
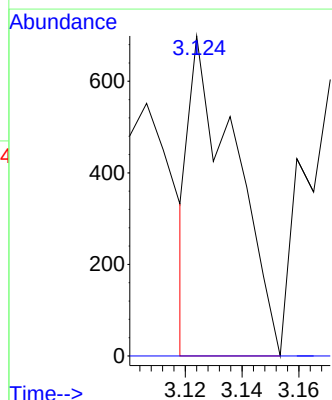
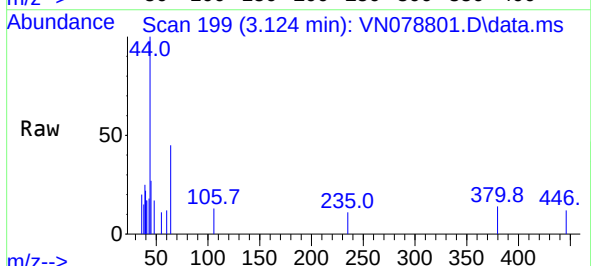
Instrument :
MSVOA_N
ClientSampleId :
WC-1

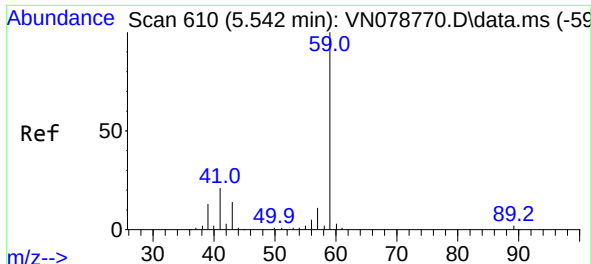
Tgt Ion: 94 Resp: 1128
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: 0.388 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 64 Resp: 773
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

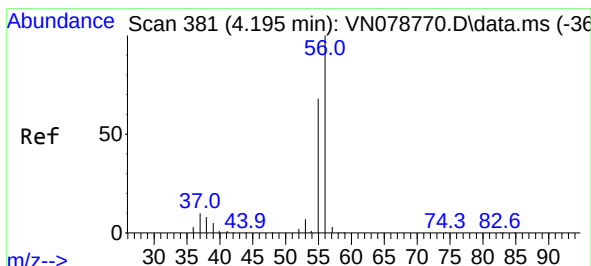
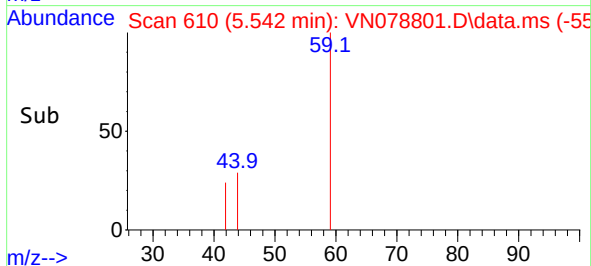
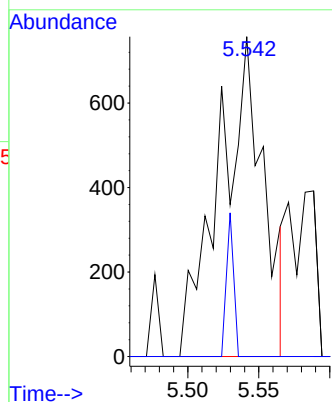
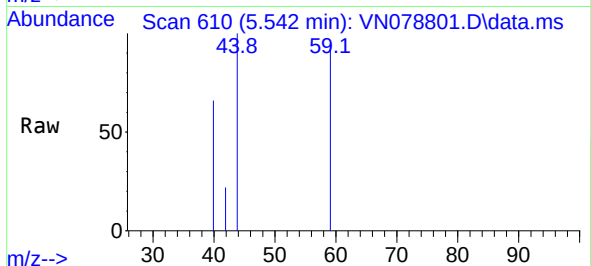




#11
Tert butyl alcohol
Concen: 3.353 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

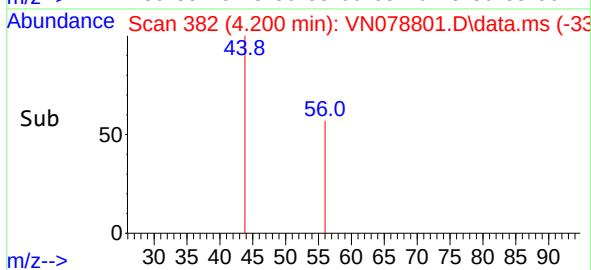
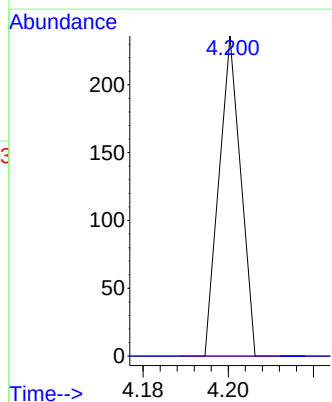
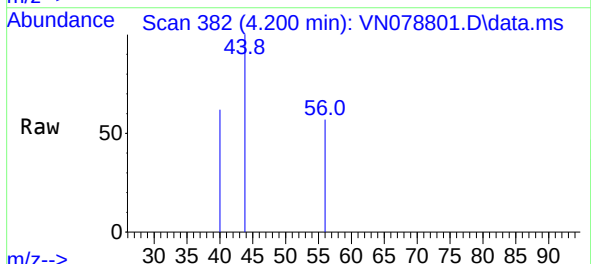
Instrument :
MSVOA_N
ClientSampleId :
WC-1

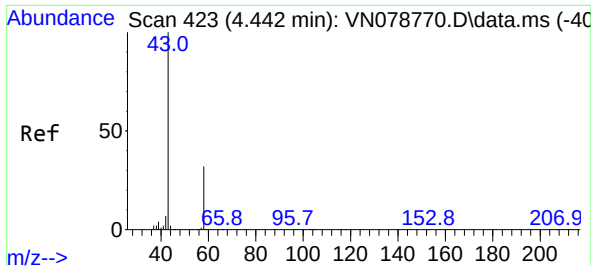
Tgt Ion: 59 Resp: 1643
Ion Ratio Lower Upper
59 100
57 7.3 8.2 12.4#



#13
Acrolein
Concen: 0.200 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.005 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

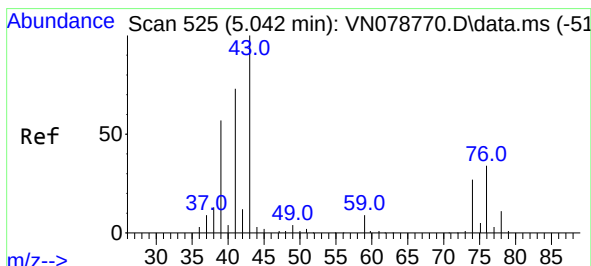
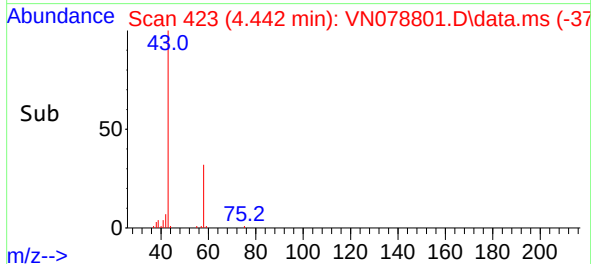
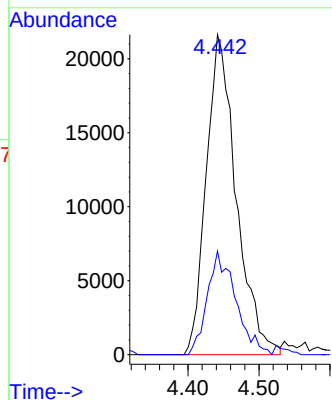
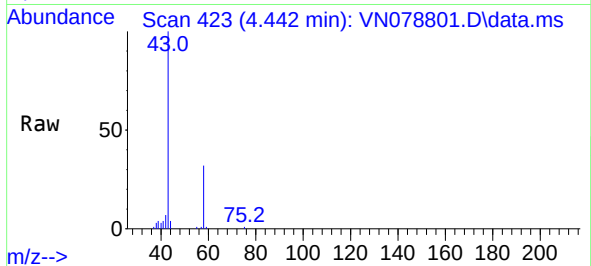




#16
Acetone
Concen: 59.030 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

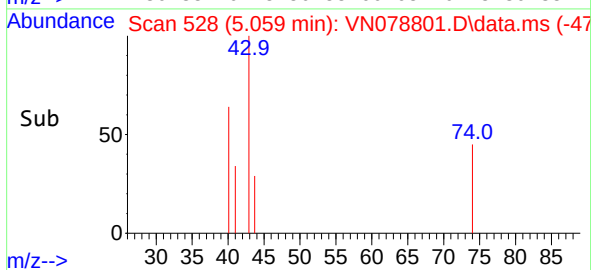
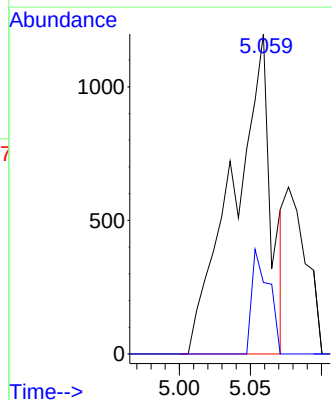
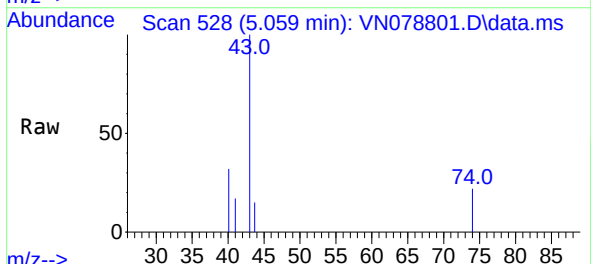
Instrument :
MSVOA_N
ClientSampleId :
WC-1

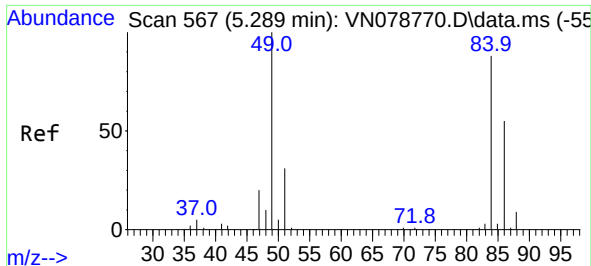
Tgt Ion: 43 Resp: 63405
Ion Ratio Lower Upper
43 100
58 32.4 28.0 42.0



#18
Methyl Acetate
Concen: 0.464 ug/l
RT: 5.059 min Scan# 528
Delta R.T. 0.017 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

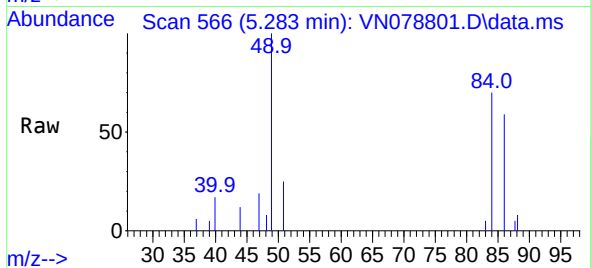
Tgt Ion: 43 Resp: 2240
Ion Ratio Lower Upper
43 100
74 14.5 26.2 39.4#





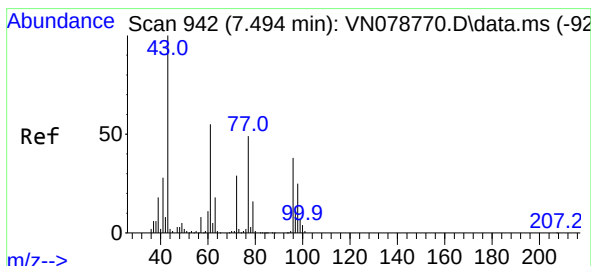
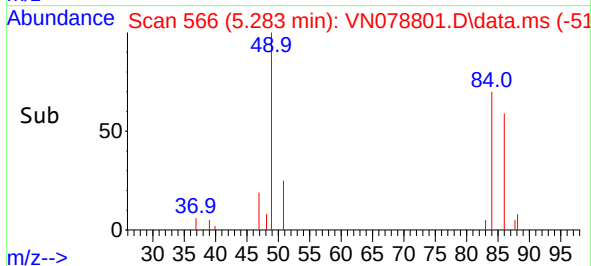
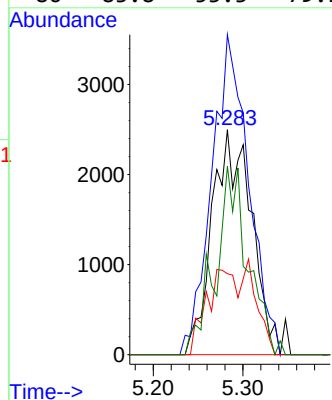
#20
Methylene Chloride
Concen: 2.851 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Instrument :
MSVOA_N
ClientSampleId :
WC-1



Tgt Ion: 84 Resp: 7585

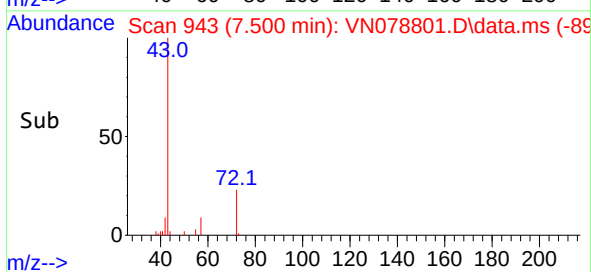
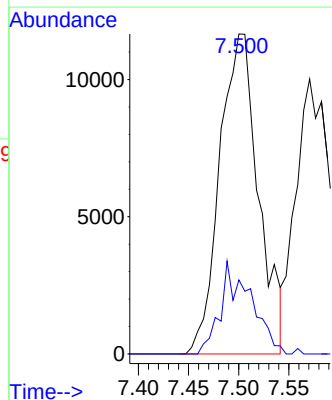
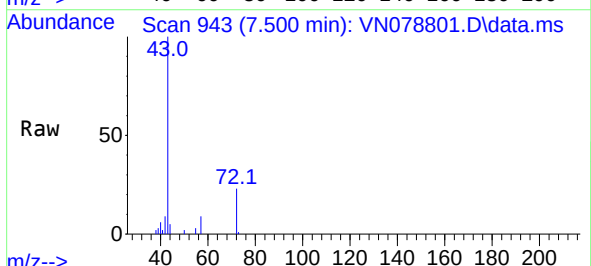
Ion	Ratio	Lower	Upper
84	100		
49	142.2	79.7	119.5#
51	35.9	25.2	37.8
86	83.8	53.3	79.9#

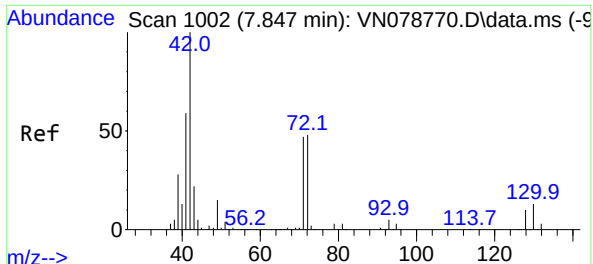


#25
2-Butanone
Concen: 17.276 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 43 Resp: 31423

Ion	Ratio	Lower	Upper
43	100		
72	24.0	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN078801.D

Acq: 08 Aug 2023 14:48

Instrument :

MSVOA_N

ClientSampleId :

WC-1

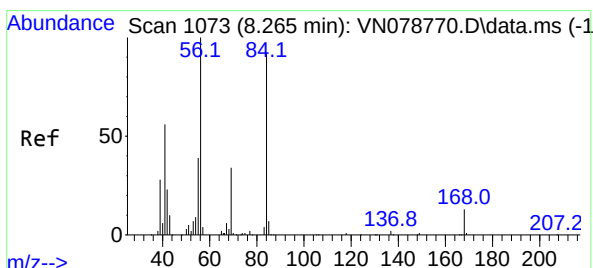
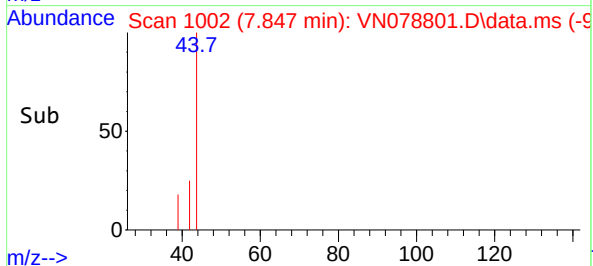
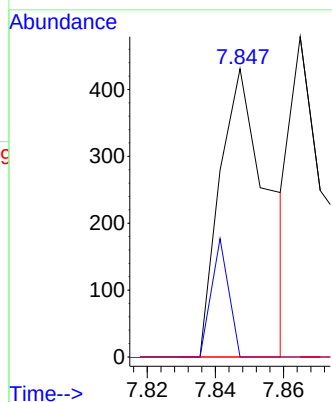
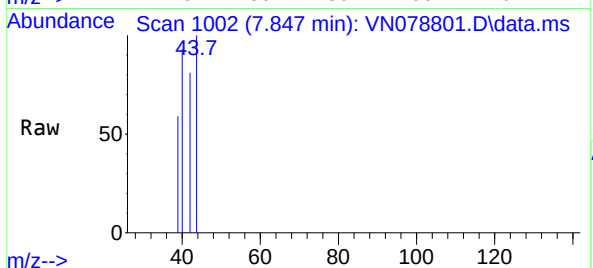
Tgt Ion: 42 Resp: 427

Ion Ratio Lower Upper

42 100

72 14.5 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.365 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN078801.D

Acq: 08 Aug 2023 14:48

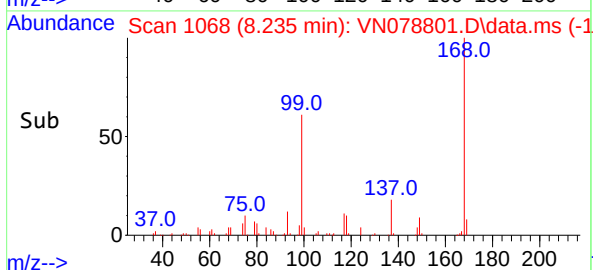
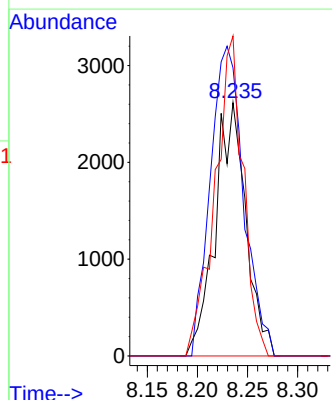
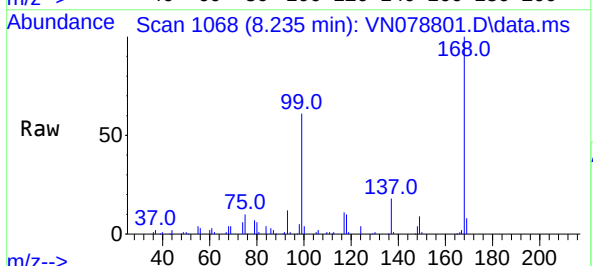
Tgt Ion: 56 Resp: 5598

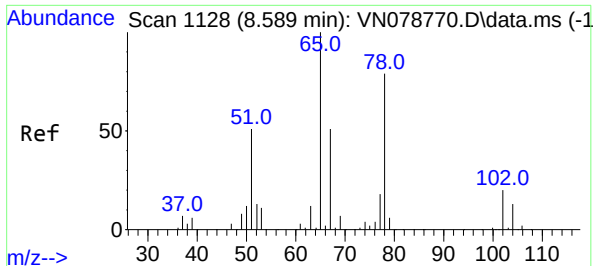
Ion Ratio Lower Upper

56 100

69 113.8 26.8 40.2#

84 126.3 81.8 122.6#

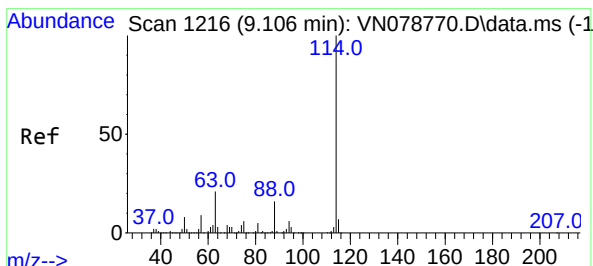
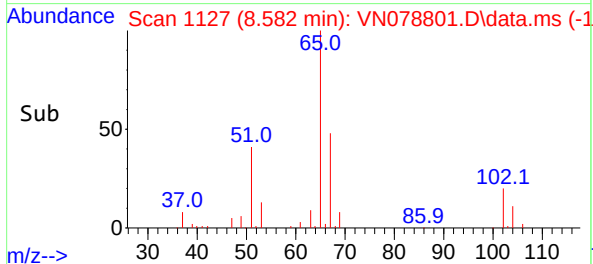
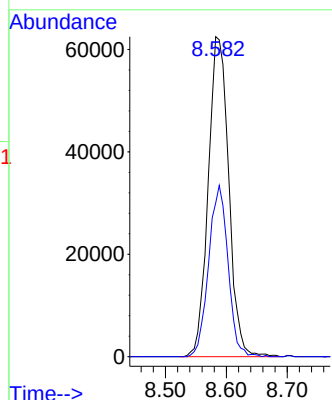
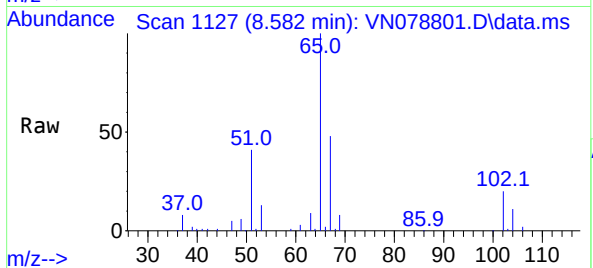




#33
 1,2-Dichloroethane-d4
 Concen: 52.450 ug/l
 RT: 8.582 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VN078801.D
 Acq: 08 Aug 2023 14:48

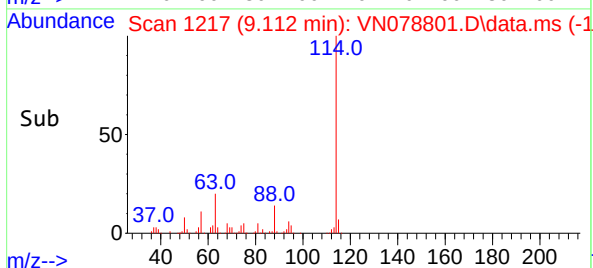
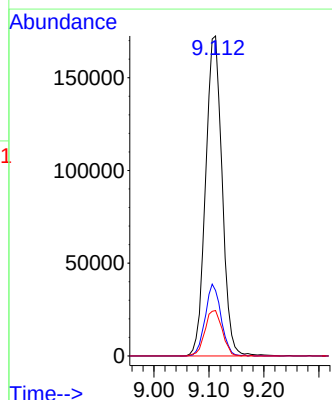
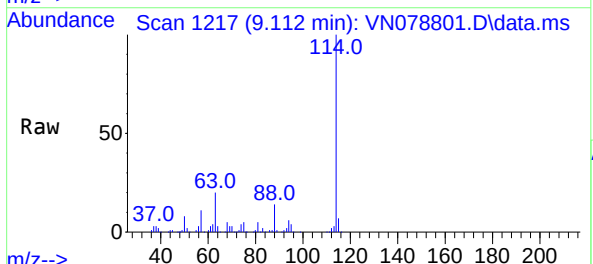
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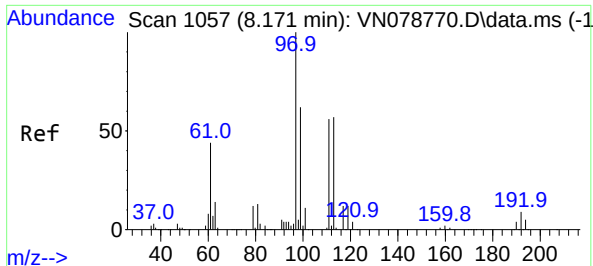
Tgt Ion: 65 Resp: 146424
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.112 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VN078801.D
 Acq: 08 Aug 2023 14:48

Tgt Ion: 114 Resp: 359683
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 36.4
 88 14.2 0.0 30.6

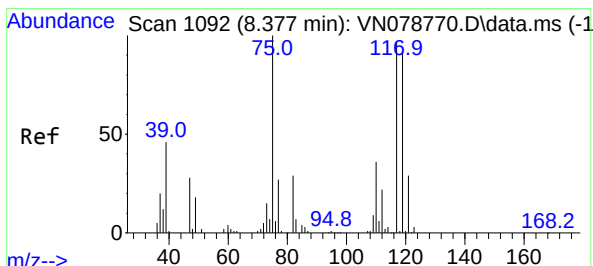
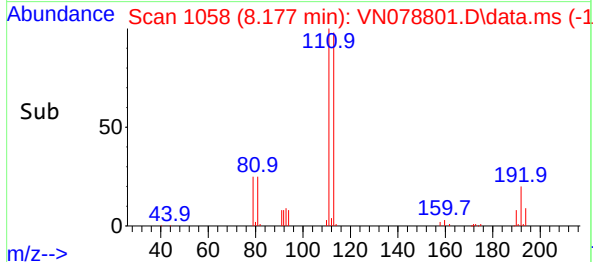
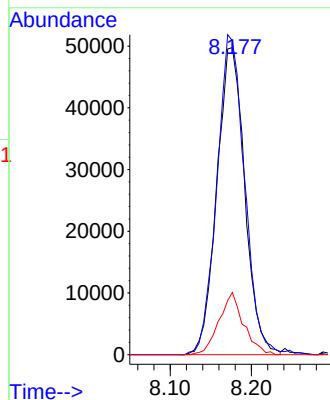
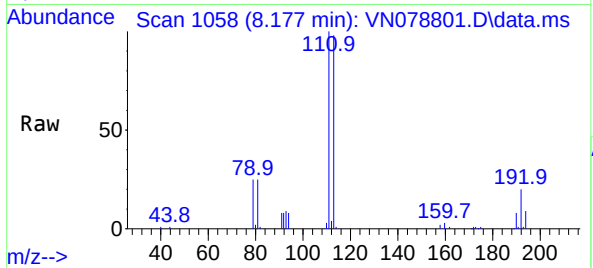




#35
Dibromofluoromethane
Concen: 48.972 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

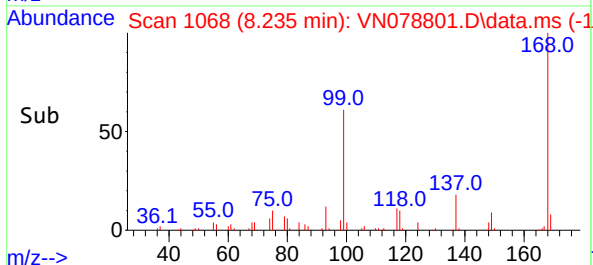
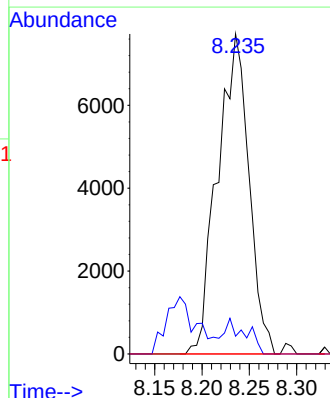
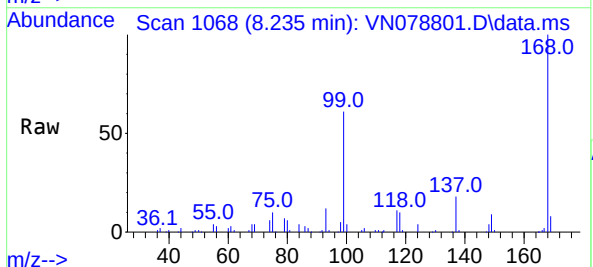
Instrument :
MSVOA_N
ClientSampleId :
WC-1

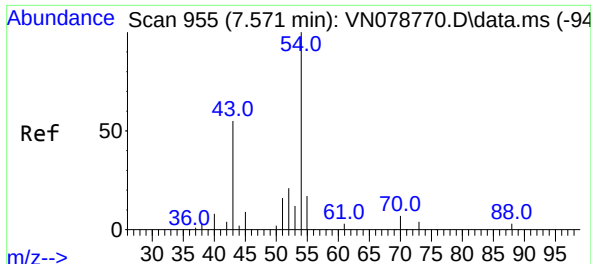
Tgt Ion:113 Resp: 118951
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.715 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 75 Resp: 17767
Ion Ratio Lower Upper
75 100
110 7.3 19.1 57.3#
77 0.0 25.0 37.4#

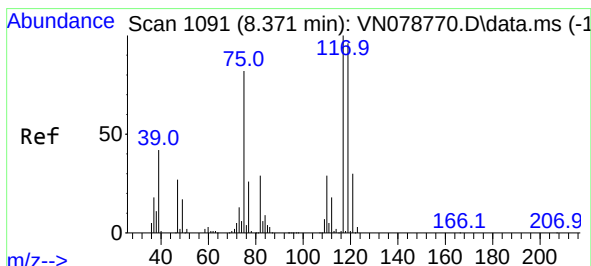
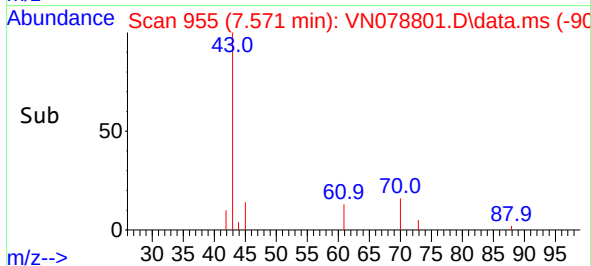
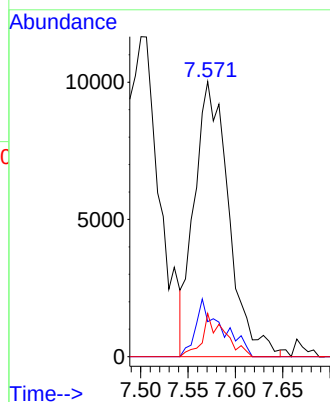
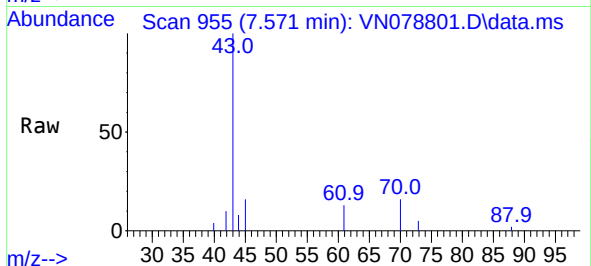




#37
Ethyl Acetate
Concen: 6.311 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

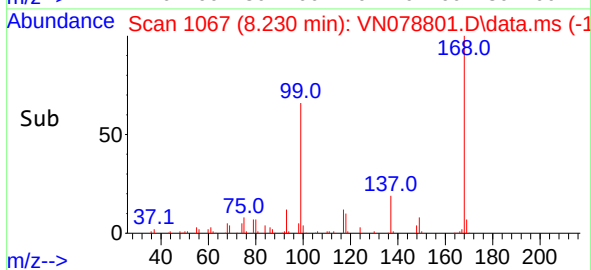
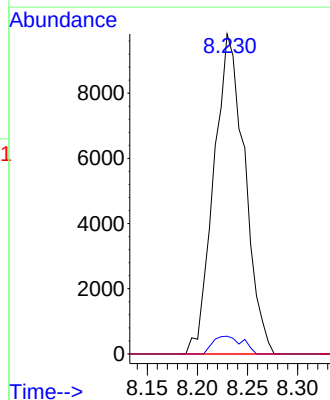
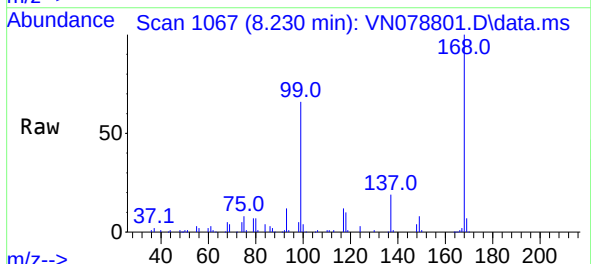
Instrument :
MSVOA_N
ClientSampleId :
WC-1

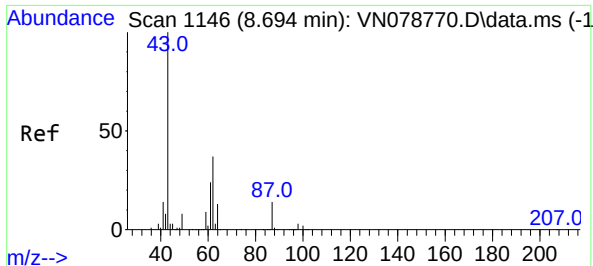
Tgt Ion:	43	Resp:	25287
Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.2	19.8
70	10.2	11.3	16.9#



#38
Carbon Tetrachloride
Concen: 5.417 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion:	117	Resp:	21043
Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.3	115.9#
121	0.0	23.3	34.9#

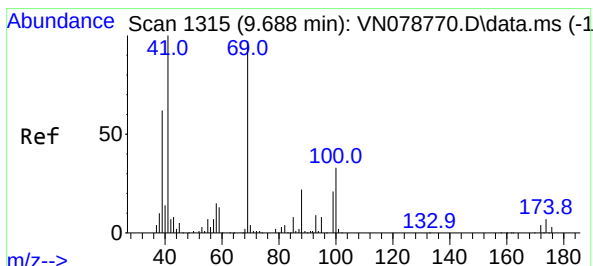
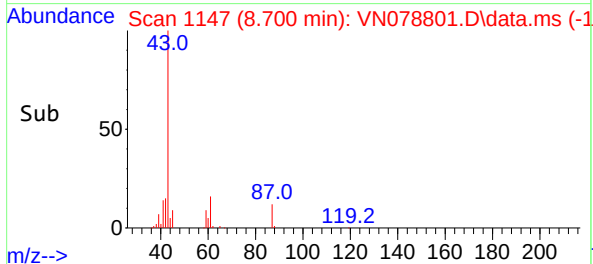
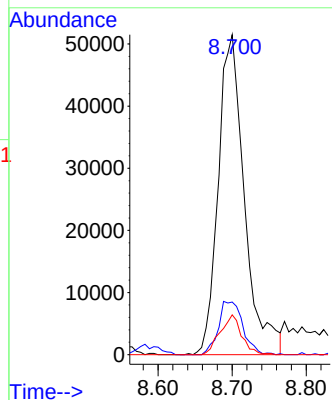
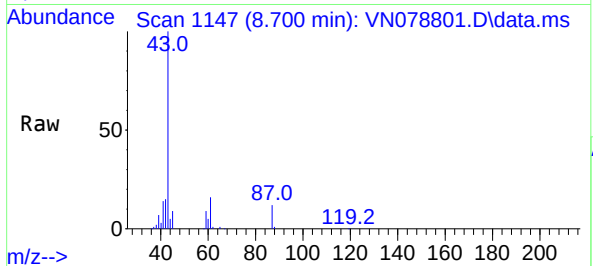




#43
Isopropyl Acetate
Concen: 18.738 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

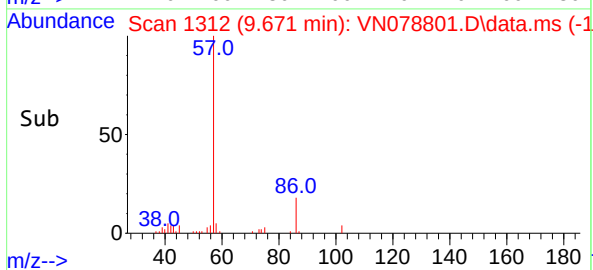
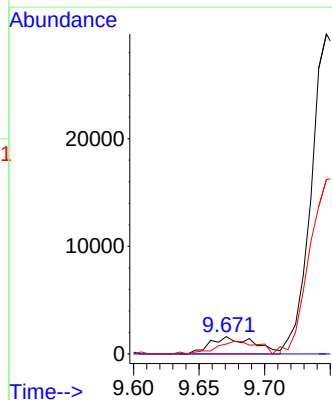
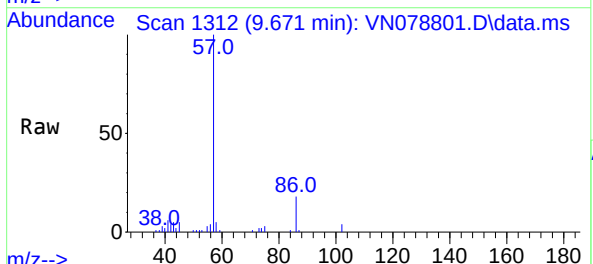
Instrument :
MSVOA_N
ClientSampleId :
WC-1

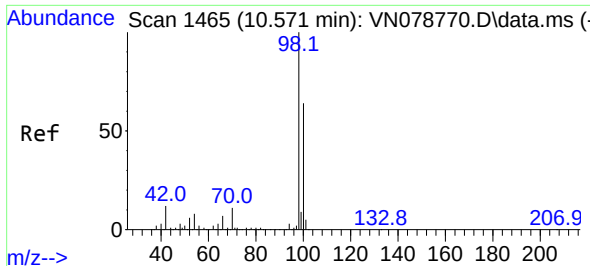
Tgt Ion: 43 Resp: 126574
Ion Ratio Lower Upper
43 100
61 15.6 24.7 37.1#
87 10.3 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.207 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 41 Resp: 3768
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 70.2 54.6 81.8

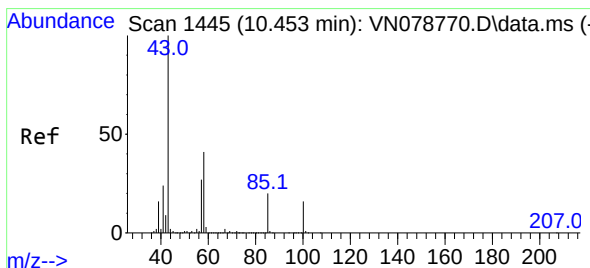
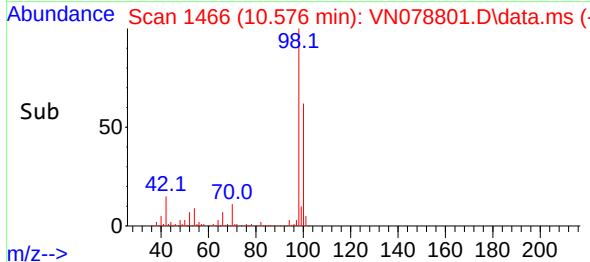
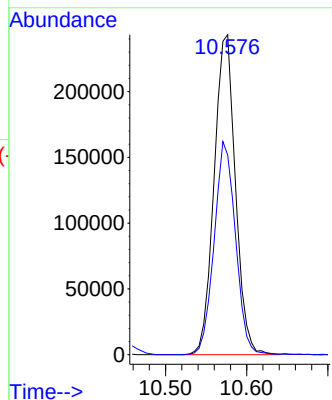
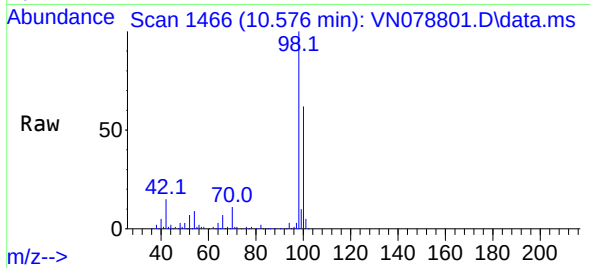




#50
Toluene-d8
Concen: 49.783 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

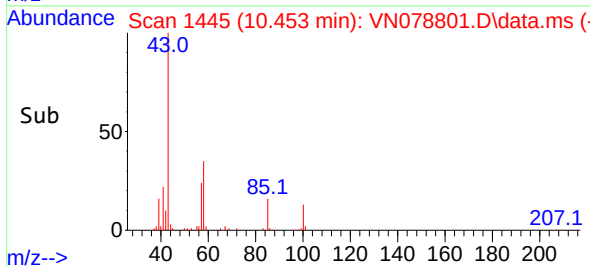
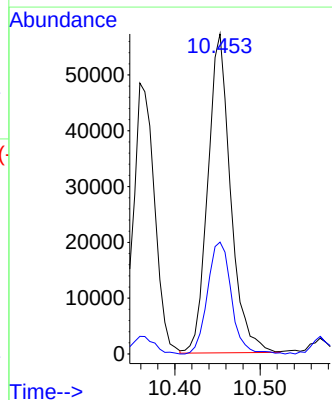
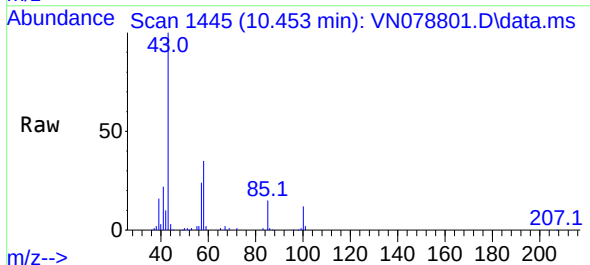
Instrument :
MSVOA_N
ClientSampleId :
WC-1

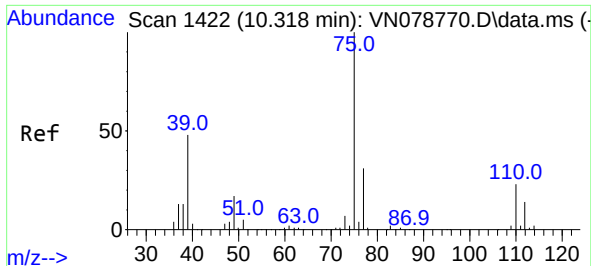
Tgt Ion: 98 Resp: 444987
Ion Ratio Lower Upper
98 100
100 66.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 25.712 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 43 Resp: 106386
Ion Ratio Lower Upper
43 100
58 36.6 36.6 54.8

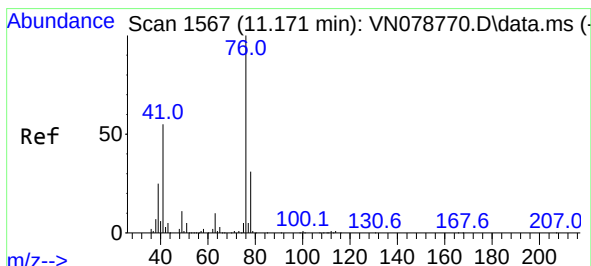
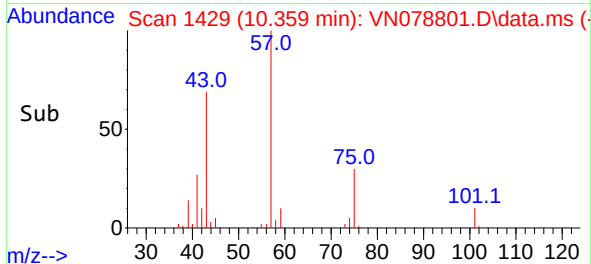
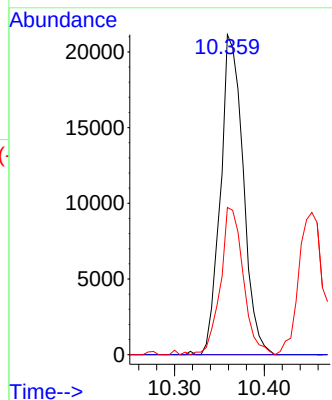
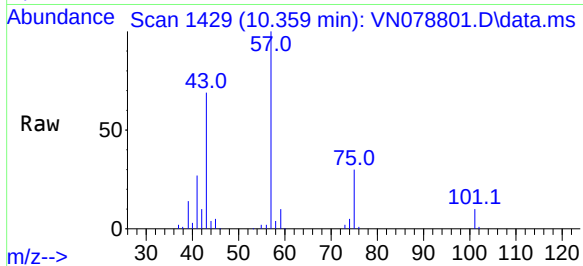




#54
cis-1,3-Dichloropropene
Concen: 8.284 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

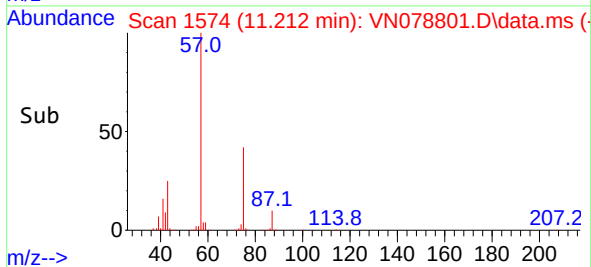
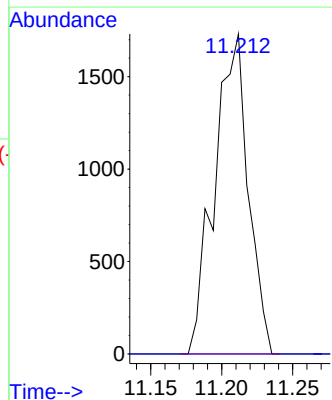
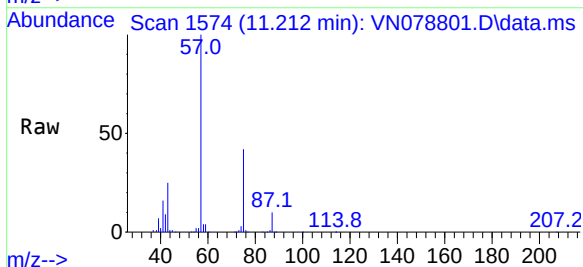
Instrument :
MSVOA_N
ClientSampleId :
WC-1

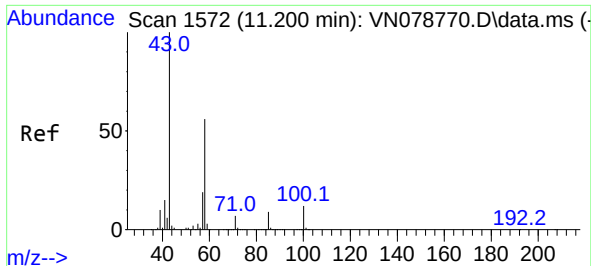
Tgt Ion: 75 Resp: 37221
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 45.0 31.6 47.4



#57
1,3-Dichloropropane
Concen: 0.594 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 76 Resp: 2857
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

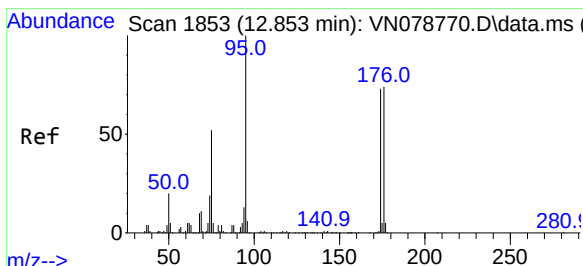
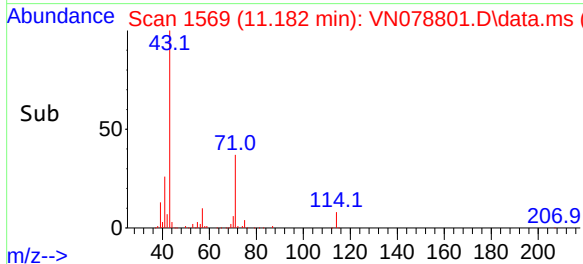
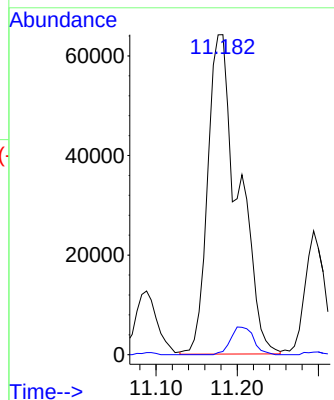
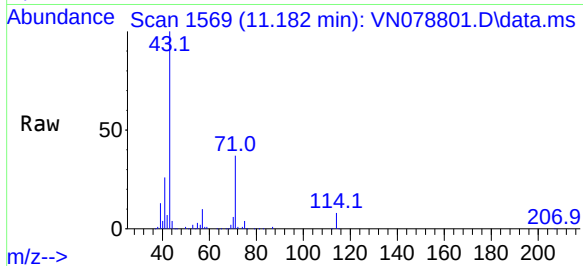




#59
2-Hexanone
Concen: 57.772 ug/l
RT: 11.182 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

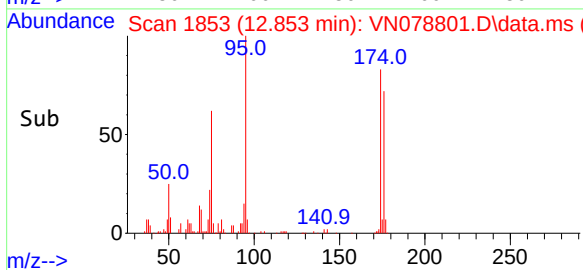
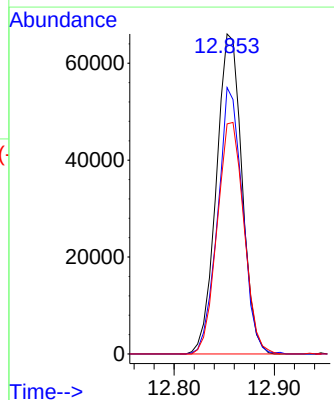
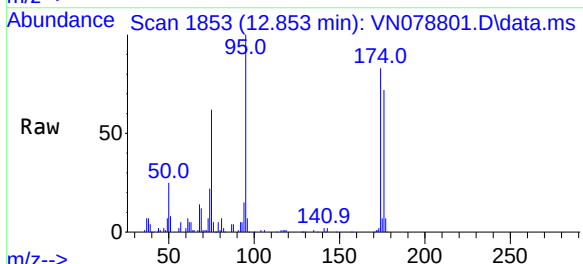
Instrument :
MSVOA_N
ClientSampleId :
WC-1

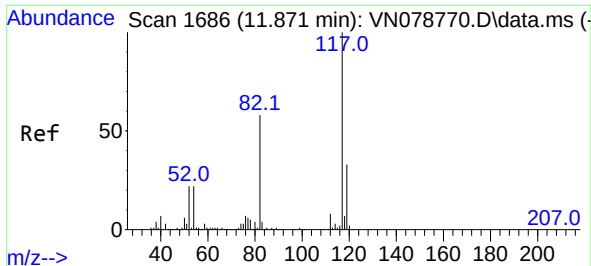
Tgt Ion: 43 Resp: 169259
Ion Ratio Lower Upper
43 100
58 6.5 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 43.855 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 95 Resp: 117153
Ion Ratio Lower Upper
95 100
174 80.6 0.0 143.8
176 75.4 0.0 135.8

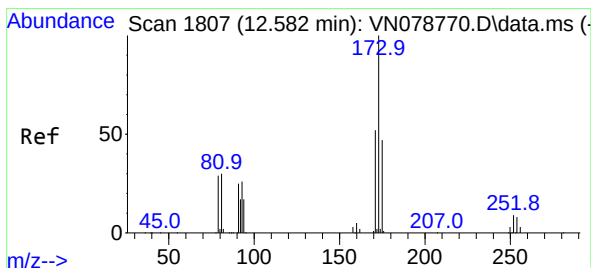
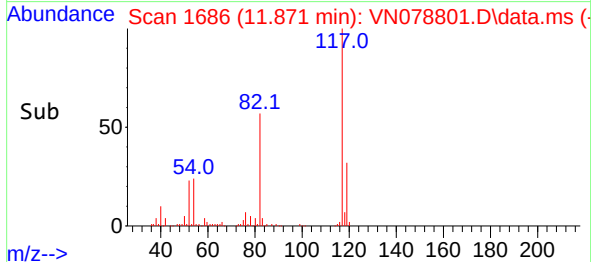
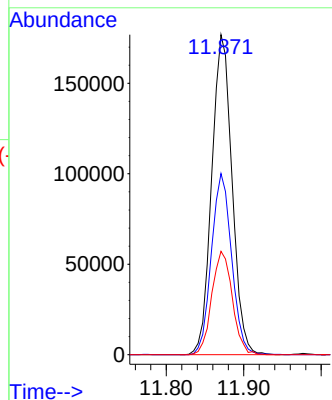
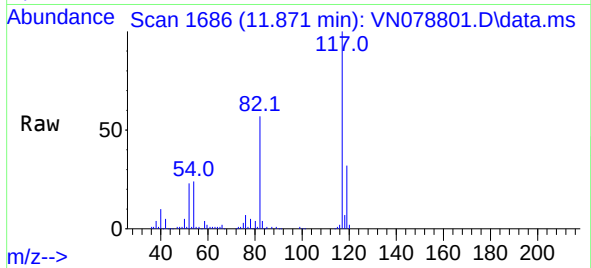




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

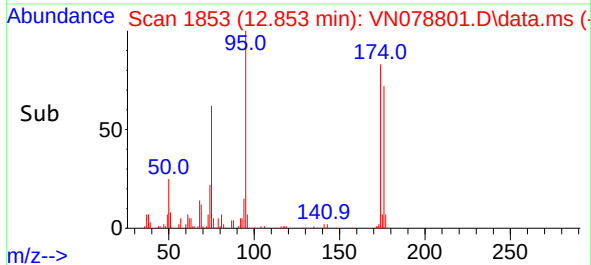
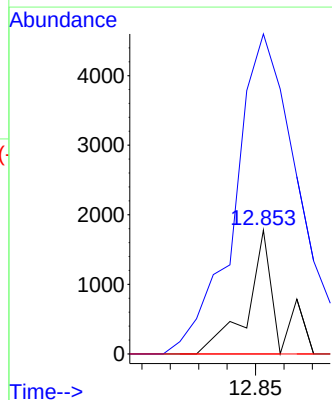
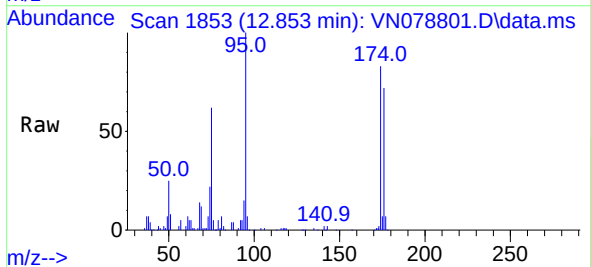
Instrument :
MSVOA_N
ClientSampleId :
WC-1

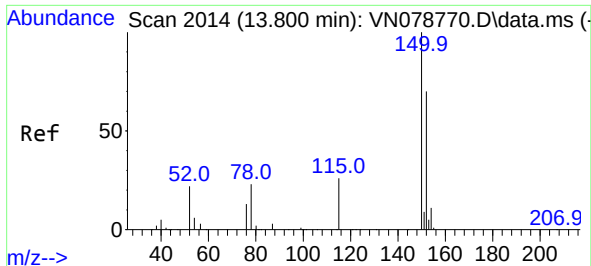
Tgt Ion:117 Resp: 322590
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.507 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

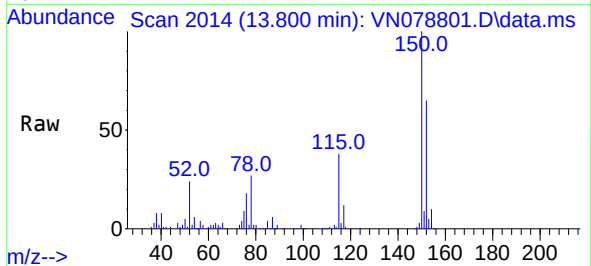
Tgt Ion:173 Resp: 1007
Ion Ratio Lower Upper
173 100
175 536.0 24.3 73.0#
254 0.0 0.0 0.0



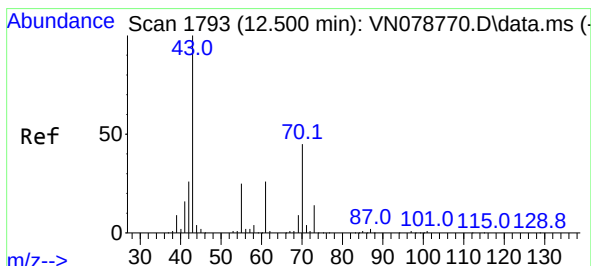
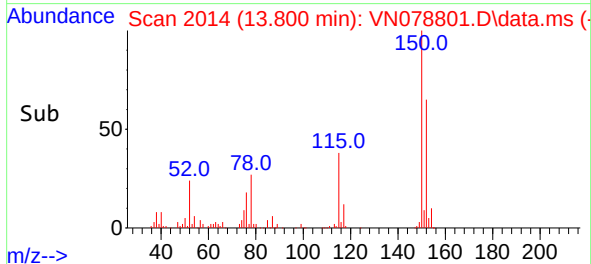
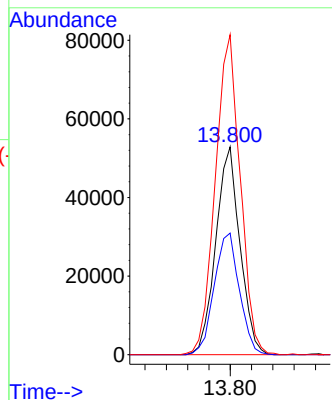


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Instrument :
MSVOA_N
ClientSampleId :
WC-1

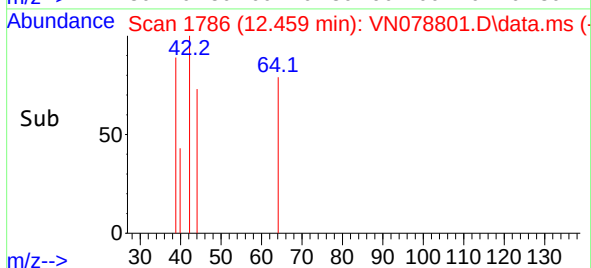
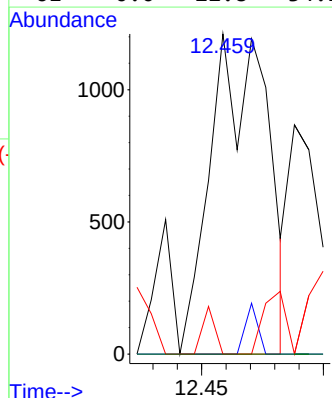
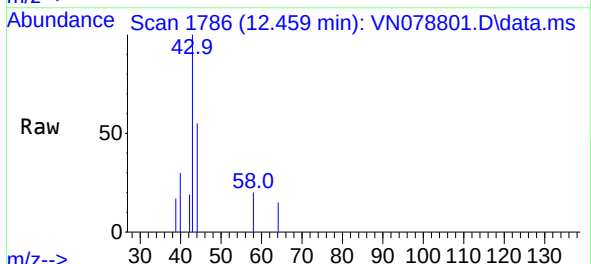


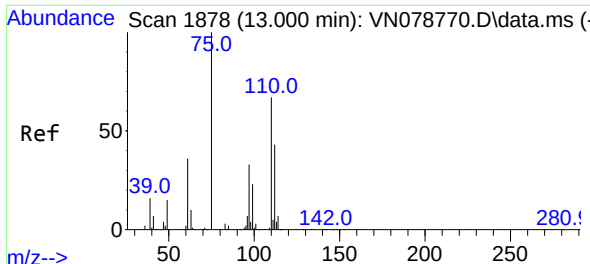
Tgt Ion:152 Resp: 83239
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 158.7 0.0 355.8



#74
N-ethyl acetate
Concen: 0.529 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.041 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.2 21.4 32.0#
61 0.0 22.8 34.2#

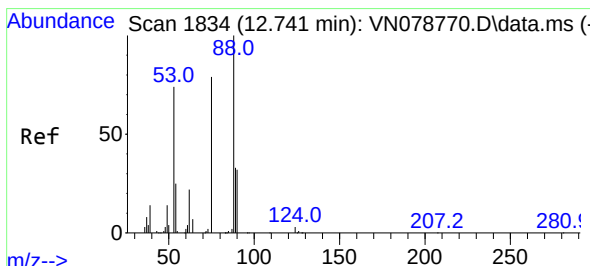
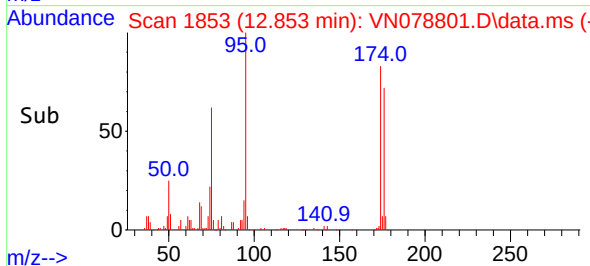
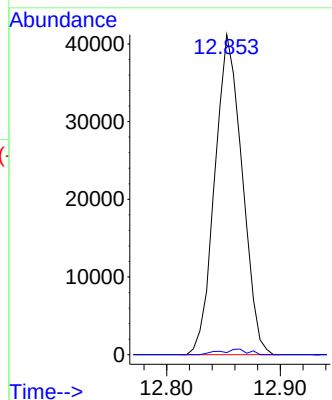
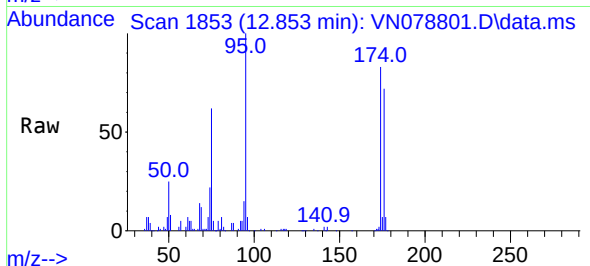




#76
1,2,3-Trichloropropane
Concen: 30.629 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 68930
Ion Ratio Lower Upper
75 100
77 1.7 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.187 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078801.D
Acq: 08 Aug 2023 14:48

Tgt Ion: 75 Resp: 68930
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

