

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078359.D
 Acq On : 22 Jun 2023 18:52
 Operator : JC\MD
 Sample : 03357-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SCAN-04-G

Quant Time: Jun 23 08:04:07 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)

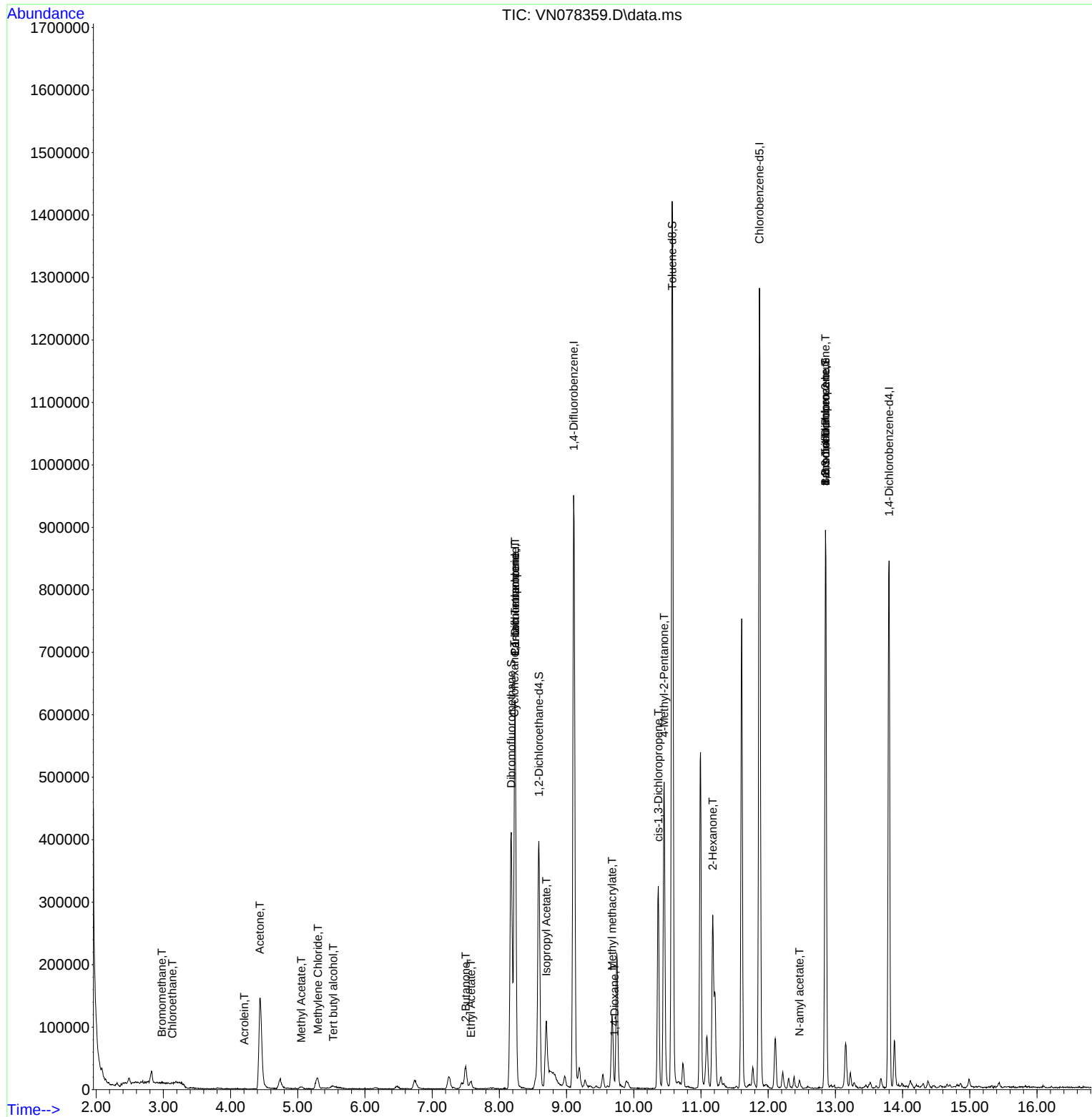
Internal Standards						
1) Pentafluorobenzene	8.235	168	441923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	850091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	770370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	233386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	323704	54.938	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.880%			
35) Dibromofluoromethane	8.177	113	299310	55.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.380%			
50) Toluene-d8	10.571	98	1016563	49.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.120%			
62) 4-Bromofluorobenzene	12.853	95	307305	47.705	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.420%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1153	Below Cal	#	77
5) Bromomethane	2.977	94	1370	0.277	ug/l #	75
6) Chloroethane	3.136	64	1558	0.349	ug/l #	43
11) Tert butyl alcohol	5.530	59	4044	4.971	ug/l #	76
13) Acrolein	4.206	56	213	0.238	ug/l #	65
16) Acetone	4.436	43	270323	159.390	ug/l	98
18) Methyl Acetate	5.053	43	7287	0.933	ug/l	89
20) Methylene Chloride	5.300	84	13894	2.479	ug/l	93
25) 2-Butanone	7.500	43	55016	21.095	ug/l #	84
31) Cyclohexane	8.224	56	10544	1.395	ug/l #	46
36) 1,1-Dichloropropene	8.235	75	37534	4.868	ug/l #	48
37) Ethyl Acetate	7.577	43	18855	3.131	ug/l #	94
38) Carbon Tetrachloride	8.235	117	49130	6.035	ug/l #	15
43) Isopropyl Acetate	8.700	43	124942	10.847	ug/l #	76
48) Methyl methacrylate	9.677	41	6750	1.396	ug/l #	36
49) 1,4-Dioxane	9.712	88	158	1.555	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	327022	53.915	ug/l	90
54) cis-1,3-Dichloropropene	10.365	75	58962	6.537	ug/l #	72
59) 2-Hexanone	11.176	43	228099	54.009	ug/l #	19
71) Bromoform	12.853	173	2460	0.628	ug/l #	1
74) N-amyl acetate	12.465	43	8520	1.172	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.947	83	226	Below Cal	#	87
76) 1,2,3-Trichloropropane	12.853	75	168992	30.629	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	168992	94.103	ug/l #	15

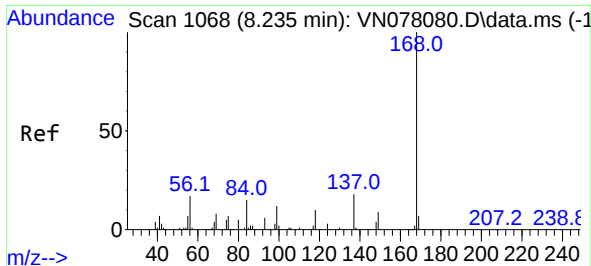
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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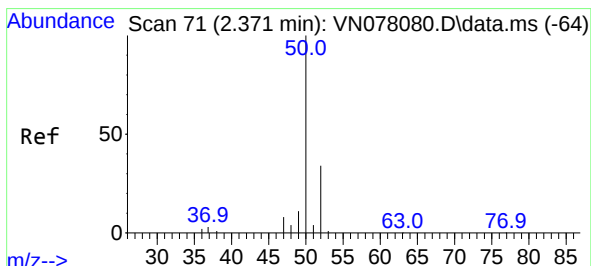
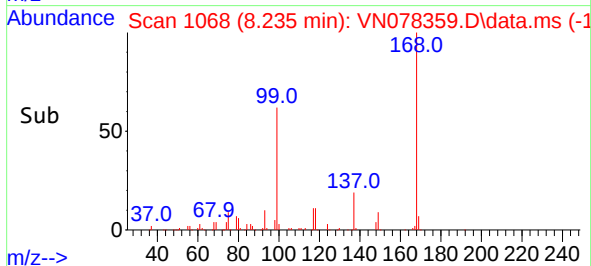
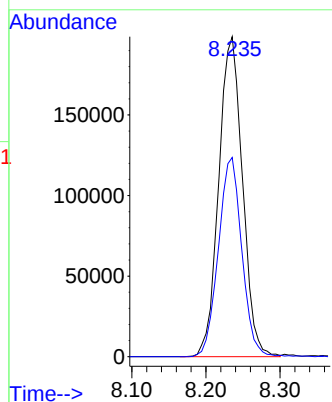
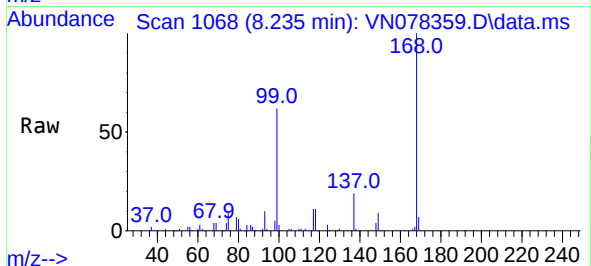




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

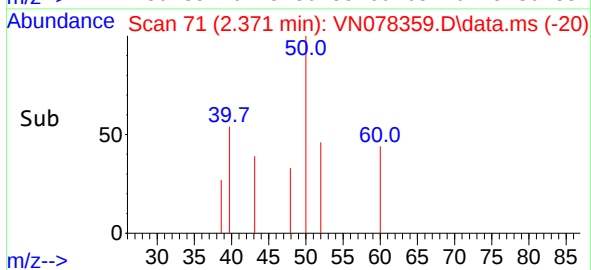
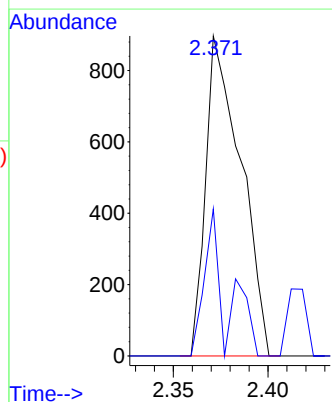
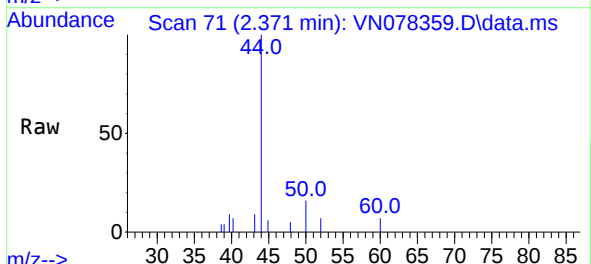
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

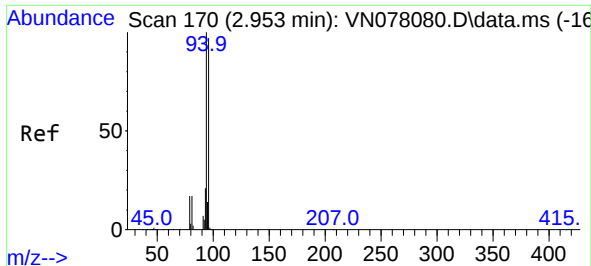
Tgt Ion:168 Resp: 441923
Ion Ratio Lower Upper
168 100
99 62.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 50 Resp: 1153
Ion Ratio Lower Upper
50 100
52 45.9 26.5 39.7#

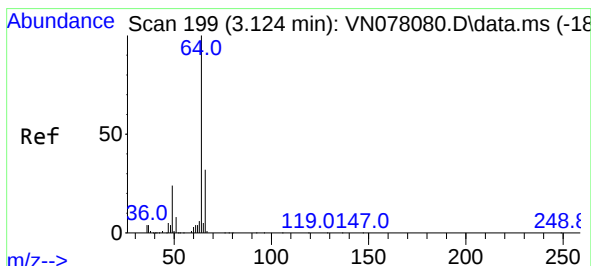
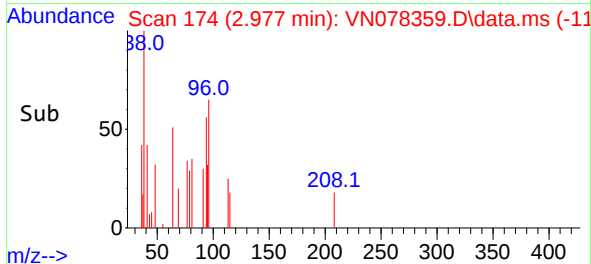
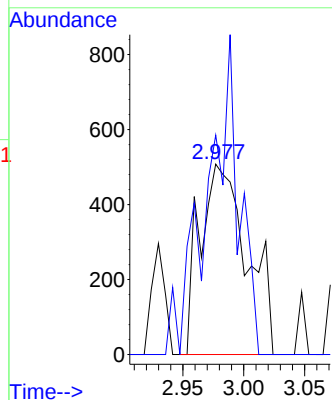
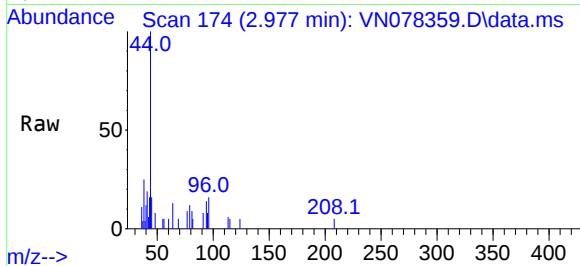




#5
Bromomethane
Concen: 0.277 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

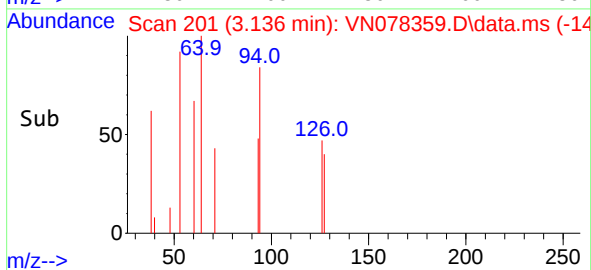
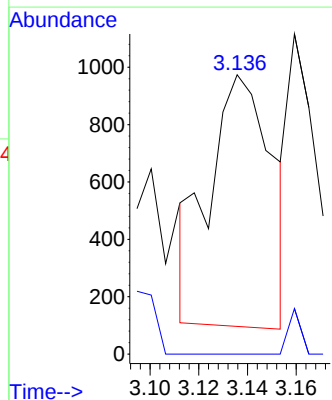
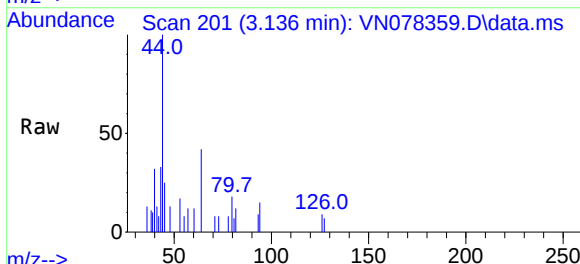
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

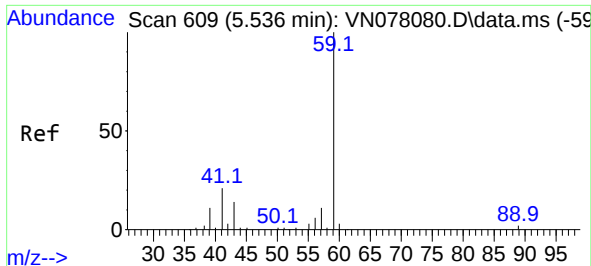
Tgt Ion: 94 Resp: 1370
Ion Ratio Lower Upper
94 100
96 115.2 73.1 109.7#



#6
Chloroethane
Concen: 0.349 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 64 Resp: 1558
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

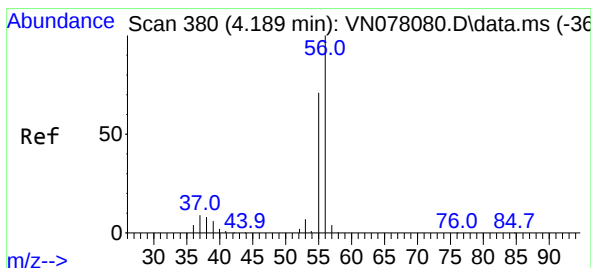
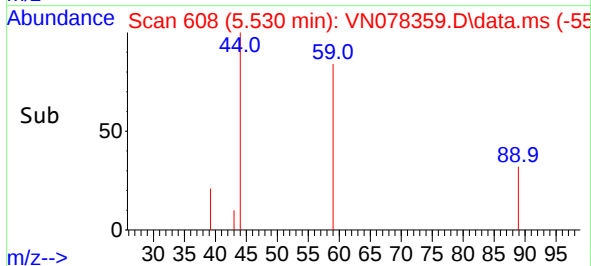
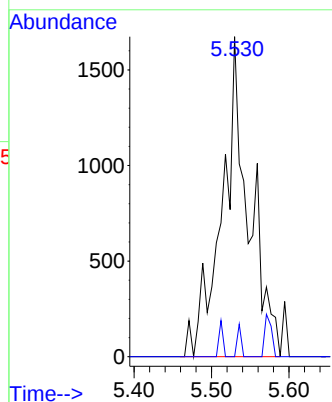
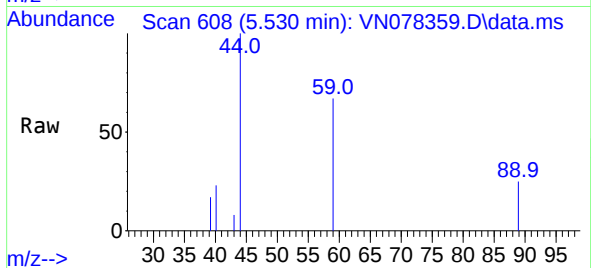




#11
Tert butyl alcohol
Concen: 4.971 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

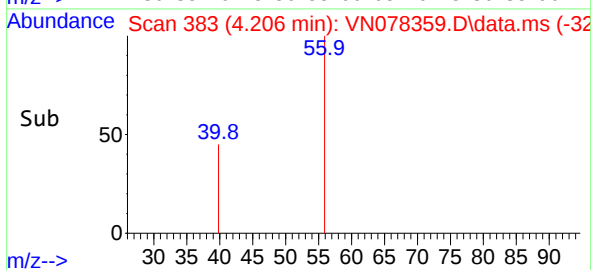
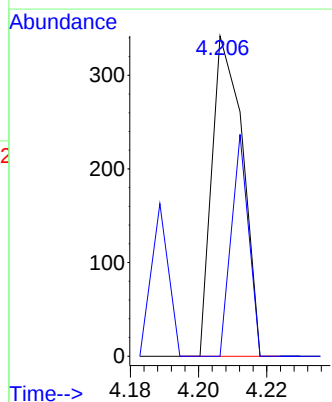
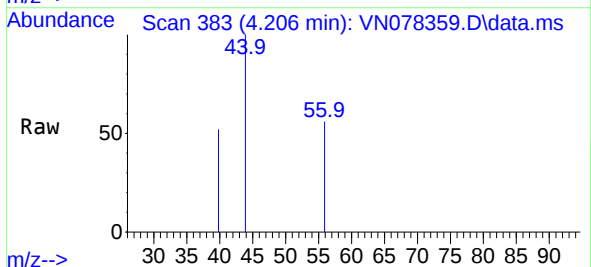
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

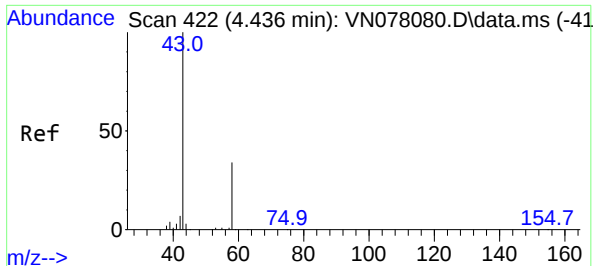
Tgt Ion: 59 Resp: 4044
Ion Ratio Lower Upper
59 100
57 1.5 8.2 12.4#



#13
Acrolein
Concen: 0.238 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 39.4 54.5 81.7#

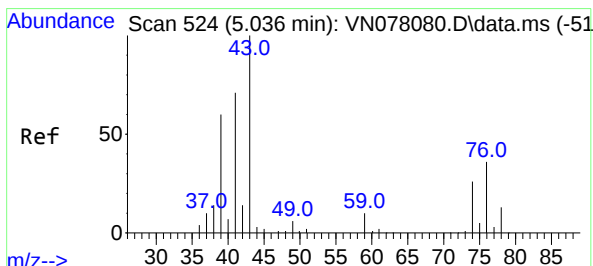
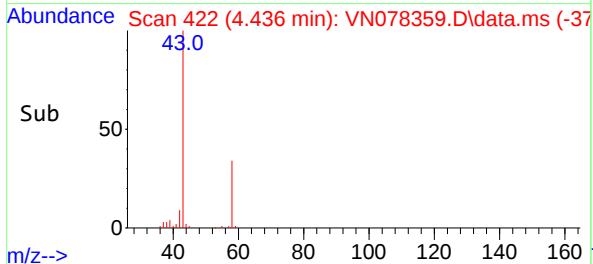
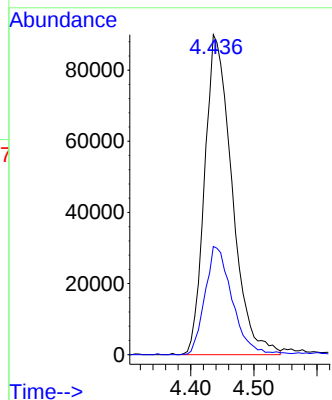
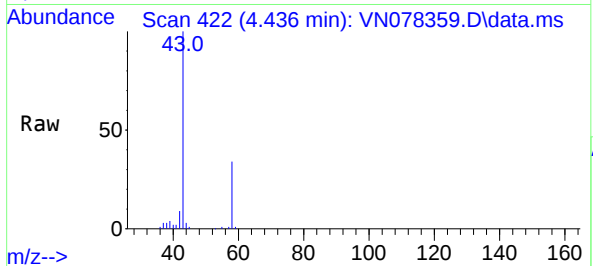




#16
Acetone
Concen: 159.390 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

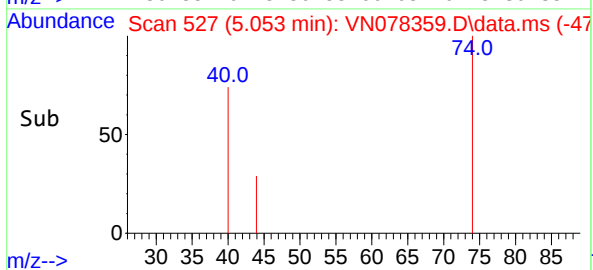
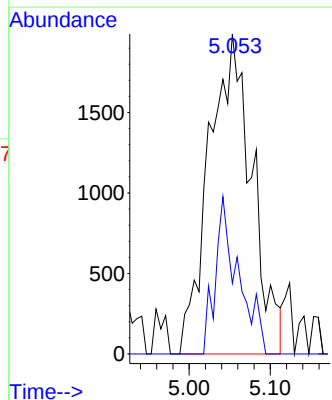
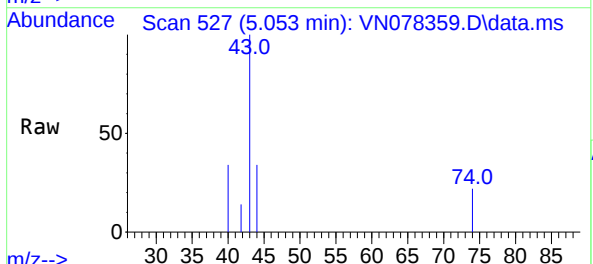
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

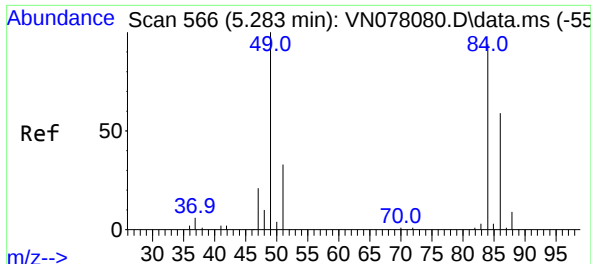
Tgt Ion: 43 Resp: 270323
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.933 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.018 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 43 Resp: 7287
Ion Ratio Lower Upper
43 100
74 26.5 26.2 39.4

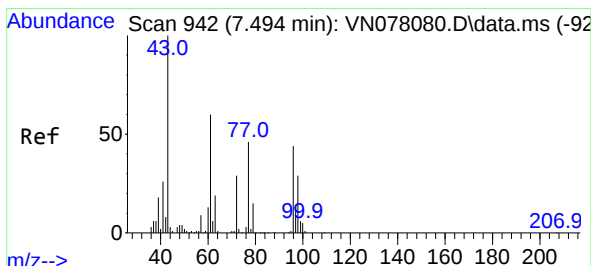
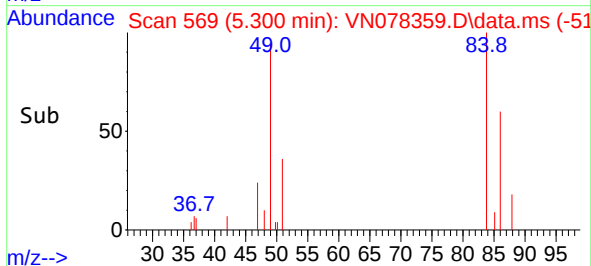
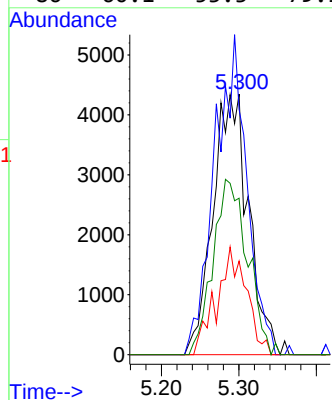
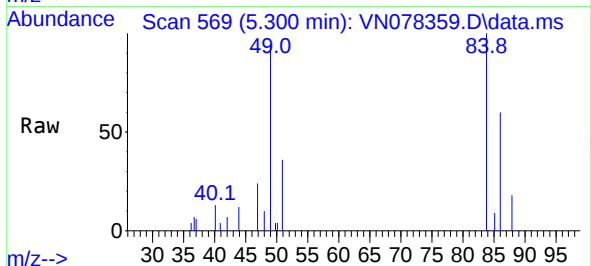




#20
Methylene Chloride
Concen: 2.479 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

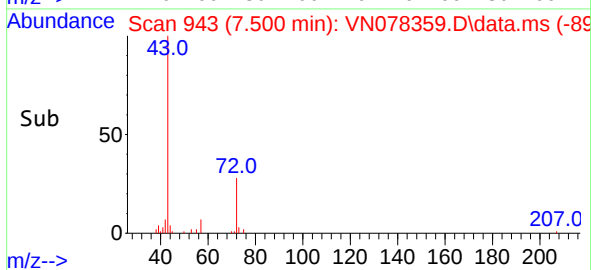
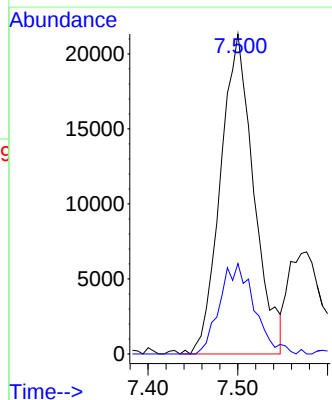
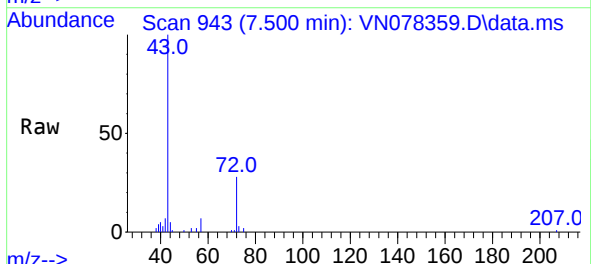
Instrument :
MSVOA_N
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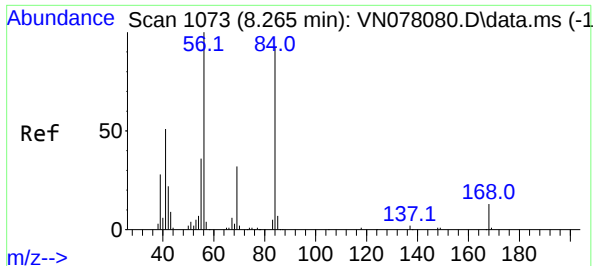
Tgt Ion: 84	Resp: 13894
Ion Ratio	Lower Upper
84 100	
49 94.1	79.7 119.5
51 35.9	25.2 37.8
86 60.1	53.3 79.9



#25
2-Butanone
Concen: 21.095 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 43	Resp: 55016		
Ion Ratio	Lower	Upper	
43 100			
72 28.3	30.2	45.2#	





#31

Cyclohexane

Concen: 1.395 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN078359.D

Acq: 22 Jun 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

WC-SCAN-04-G

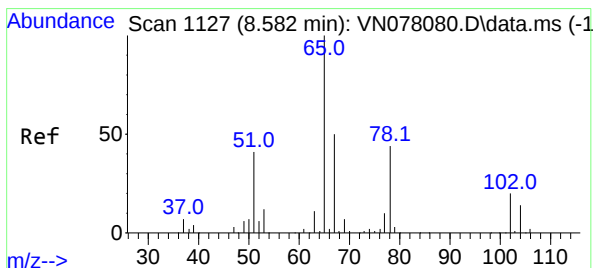
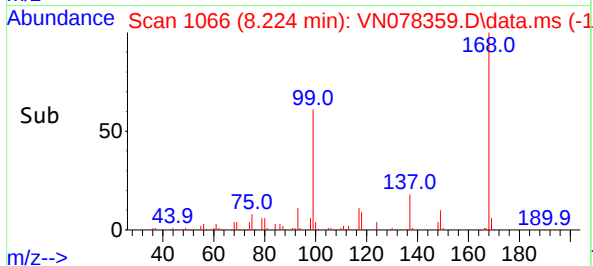
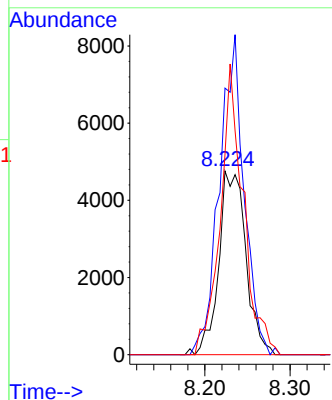
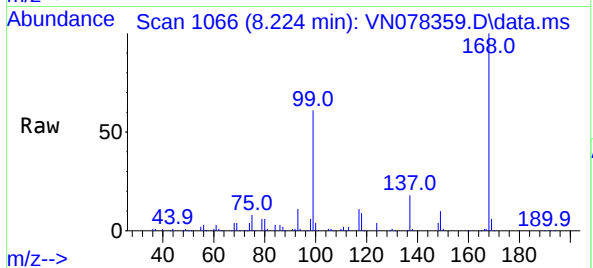
Tgt Ion: 56 Resp: 10544

Ion Ratio Lower Upper

56 100

69 145.2 26.8 40.2#

84 109.2 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 54.938 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078359.D

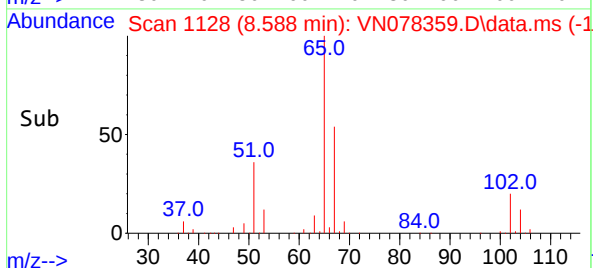
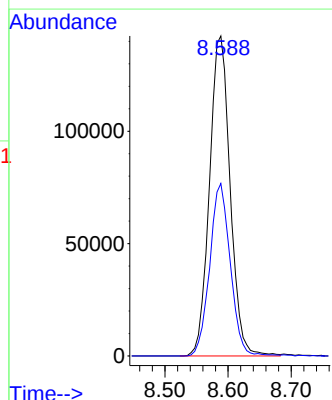
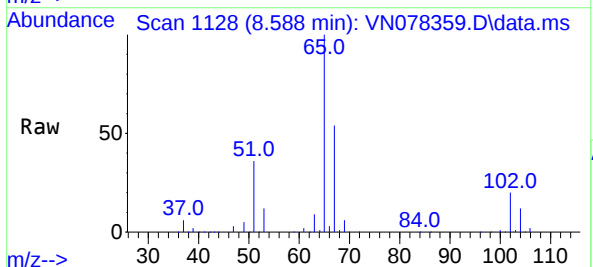
Acq: 22 Jun 2023 18:52

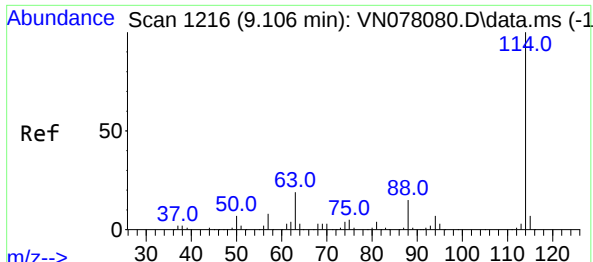
Tgt Ion: 65 Resp: 323704

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



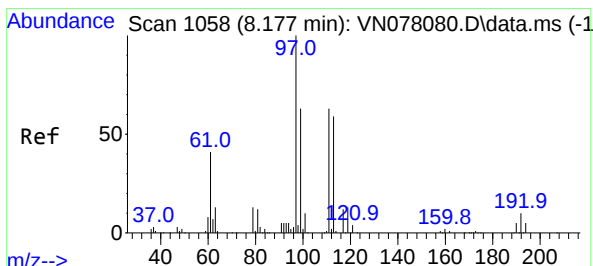
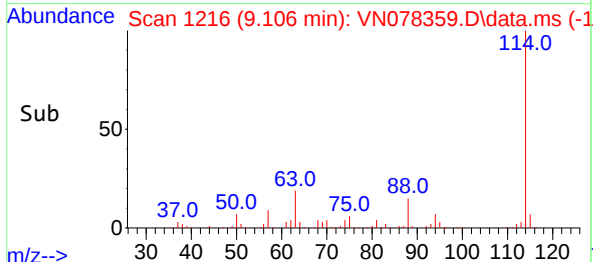
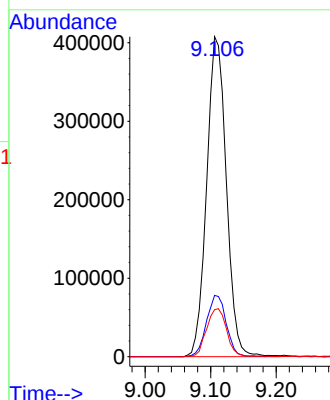
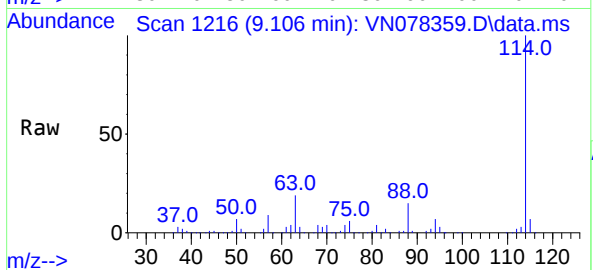


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

Tgt Ion:114 Resp: 850091

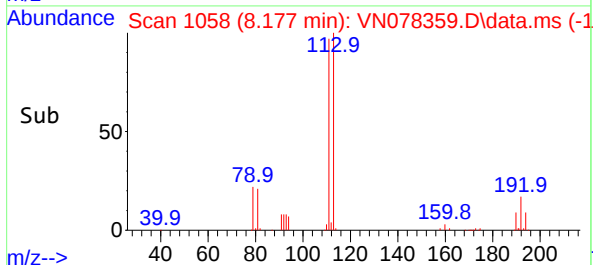
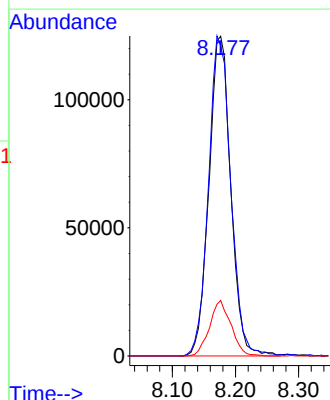
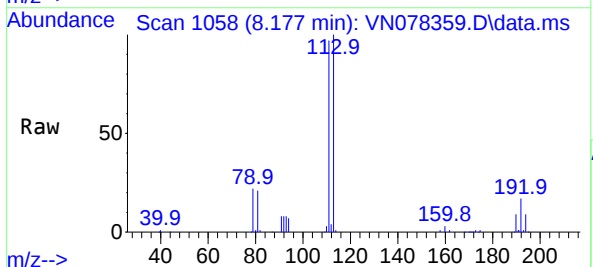
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	36.4
88	14.7	0.0	30.6

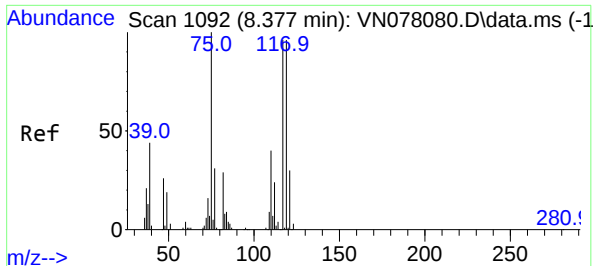


#35
Dibromofluoromethane
Concen: 55.685 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion:113 Resp: 299310

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	17.1	12.7	19.1

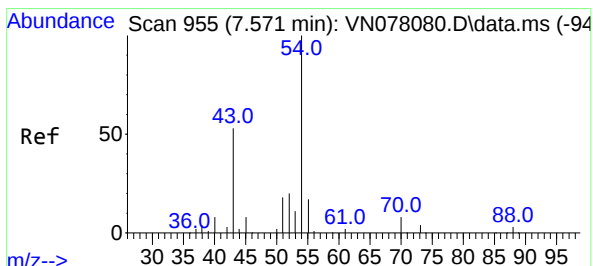
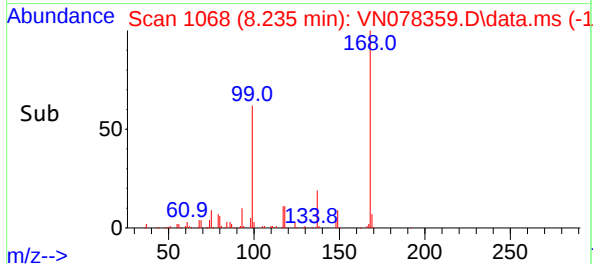
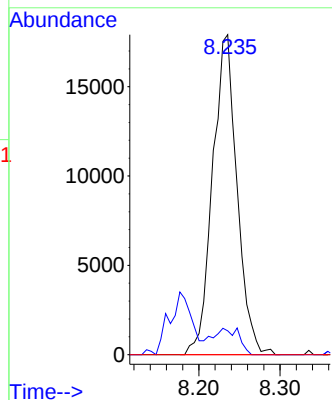
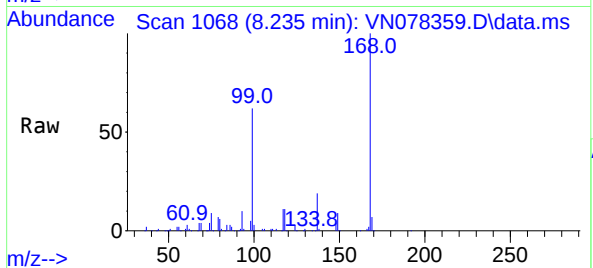




#36
1,1-Dichloropropene
Concen: 4.868 ug/l
RT: 8.235 min Scan# 1092
Delta R.T. -0.141 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

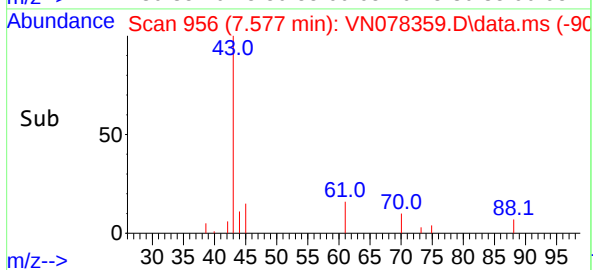
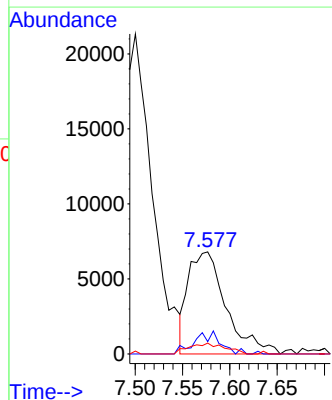
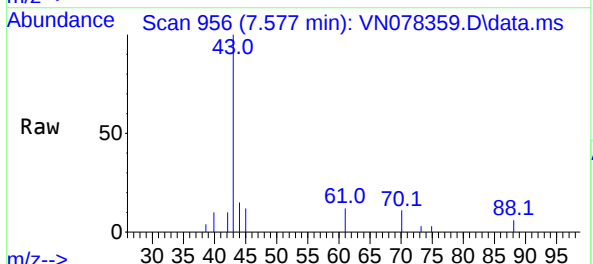
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

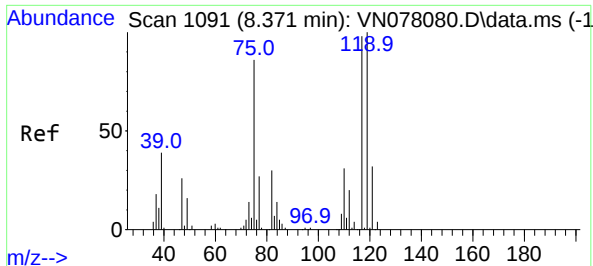
Tgt Ion: 75 Resp: 37534
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 3.131 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 43 Resp: 18855
Ion Ratio Lower Upper
43 100
61 15.2 13.2 19.8
70 10.1 11.3 16.9#

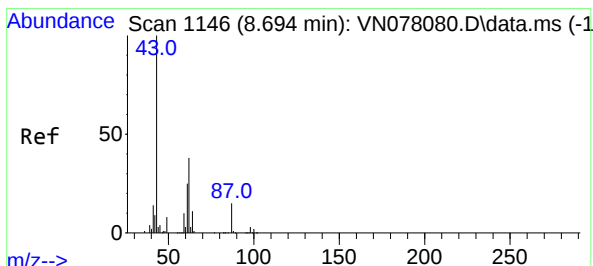
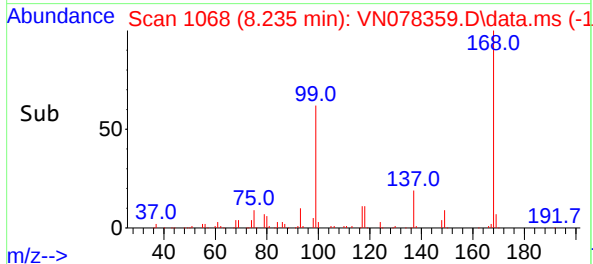
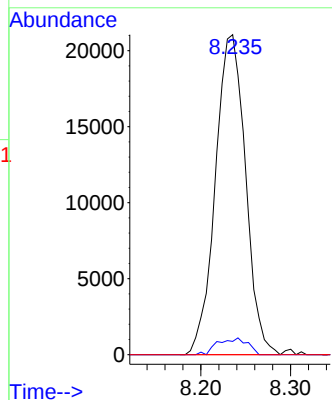
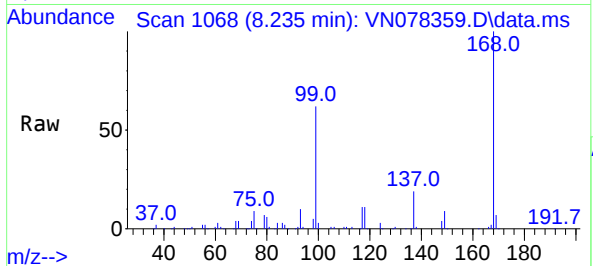




#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

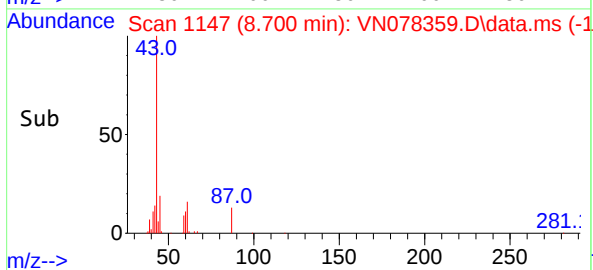
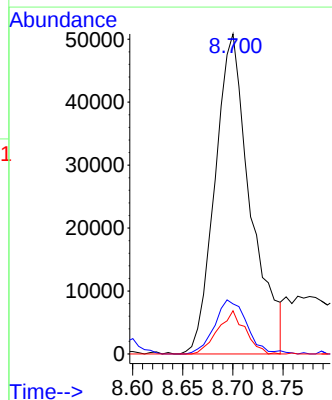
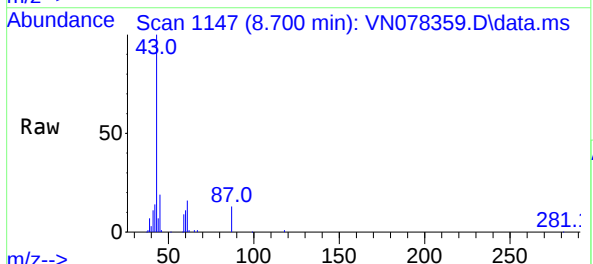
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

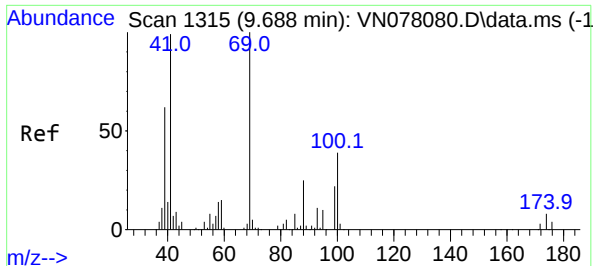
Tgt Ion:117 Resp: 49130
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 10.847 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 43 Resp: 124942
Ion Ratio Lower Upper
43 100
61 15.5 24.7 37.1#
87 10.4 14.6 21.8#

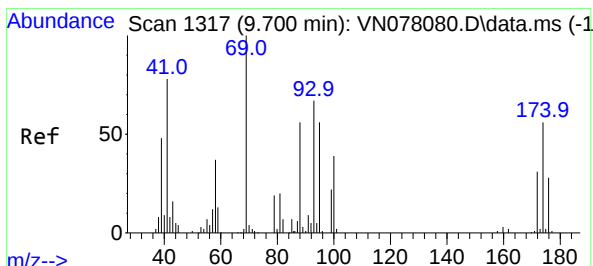
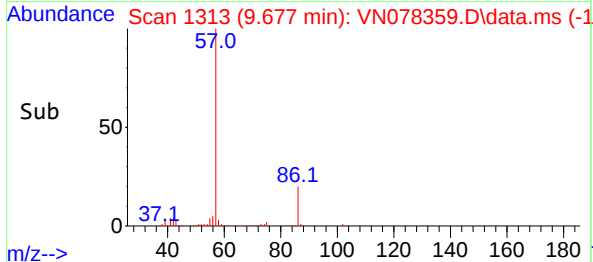
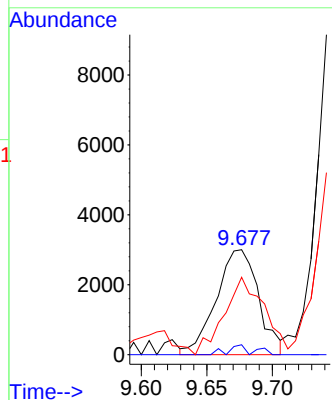
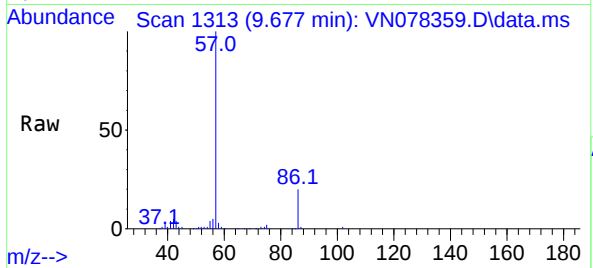




#48
Methyl methacrylate
Concen: 1.396 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

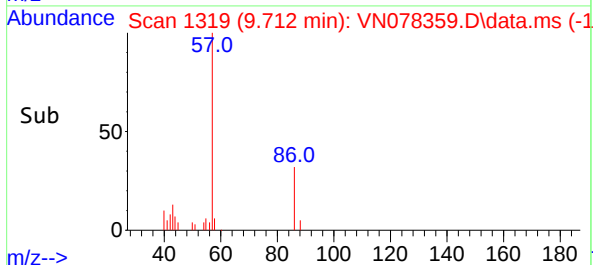
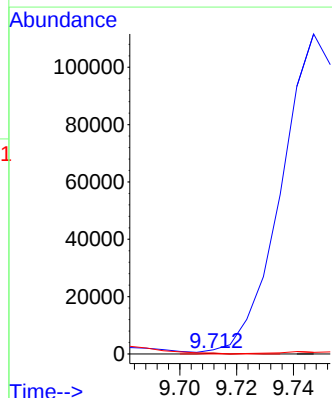
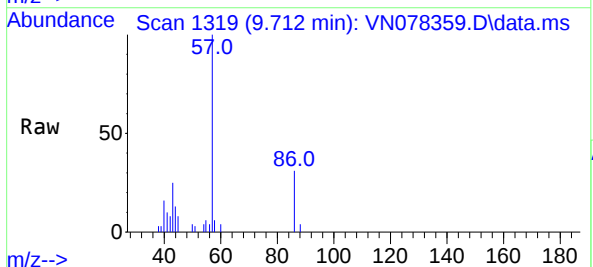
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

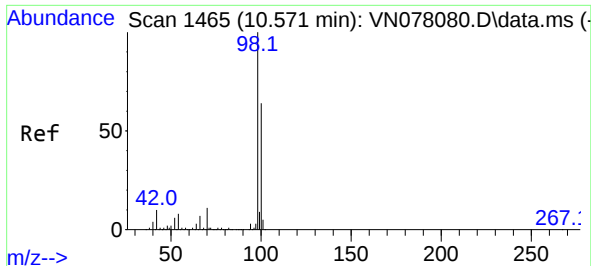
Tgt Ion: 41 Resp: 6750
Ion Ratio Lower Upper
41 100
69 3.6 90.4 135.6#
39 69.6 54.6 81.8



#49
1,4-Dioxane
Concen: 1.555 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

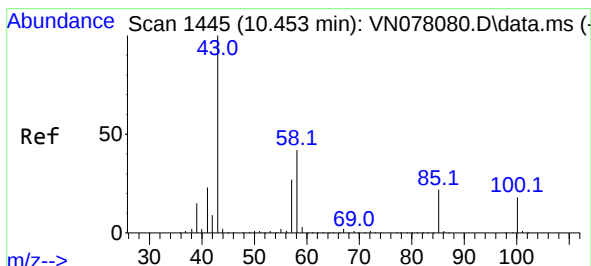
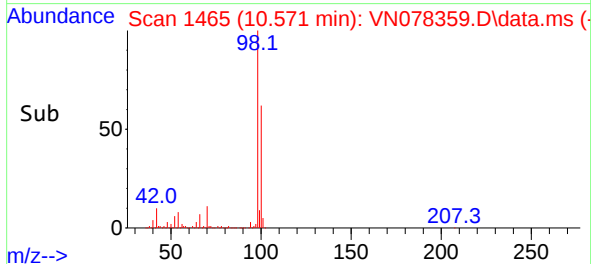
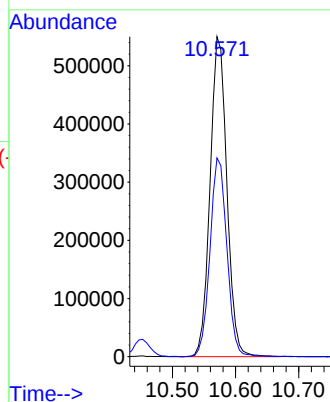
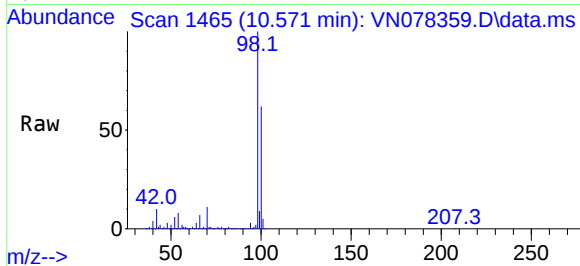




#50
Toluene-d8
Concen: 49.059 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

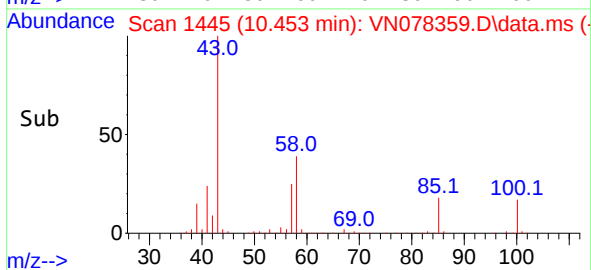
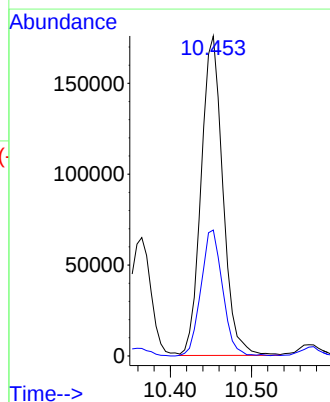
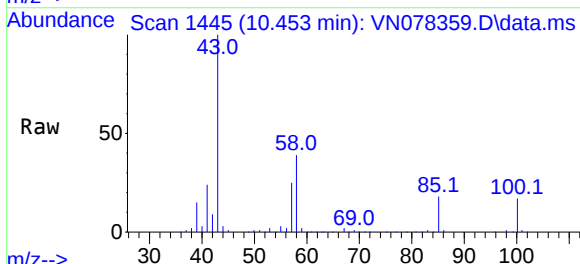
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

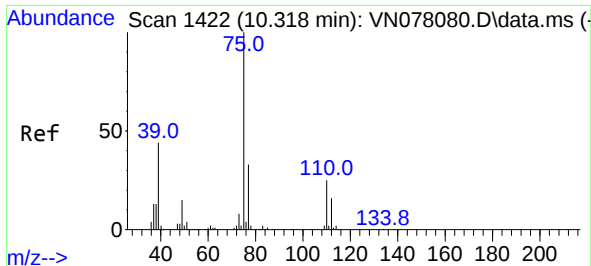
Tgt Ion: 98 Resp: 1016563
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 53.915 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 43 Resp: 327022
Ion Ratio Lower Upper
43 100
58 39.4 36.6 54.8

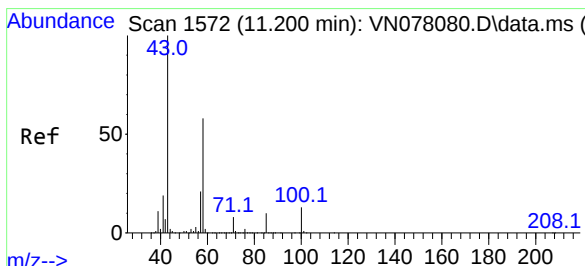
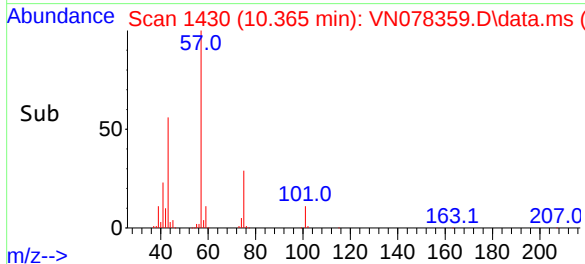
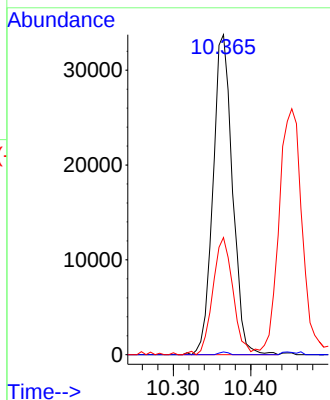
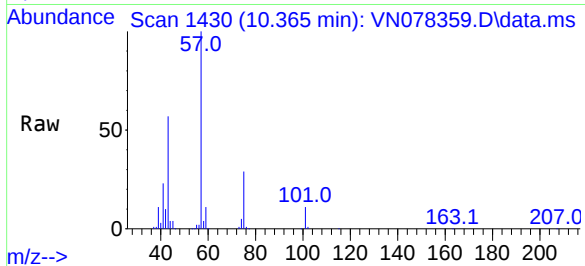




#54
cis-1,3-Dichloropropene
Concen: 6.537 ug/l
RT: 10.365 min Scan# 1422
Delta R.T. 0.047 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

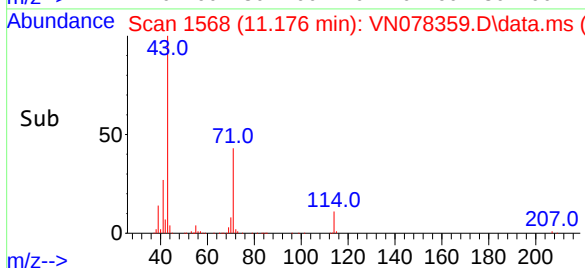
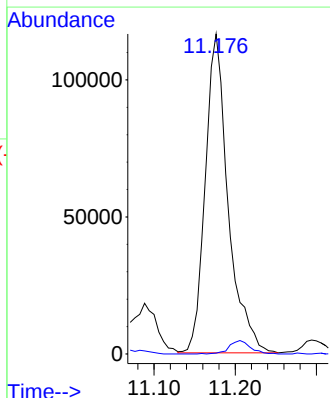
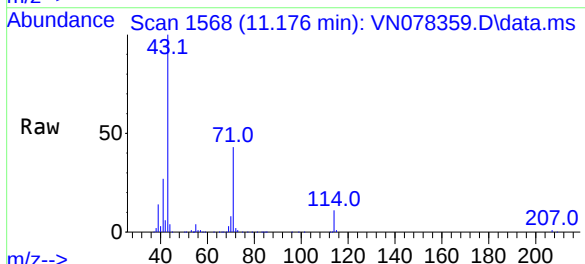
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

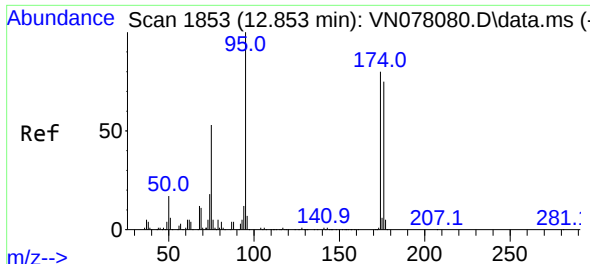
Tgt Ion: 75 Resp: 58962
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 36.6 31.6 47.4



#59
2-Hexanone
Concen: 54.009 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 43 Resp: 228099
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



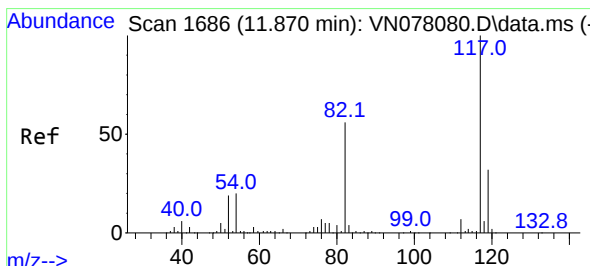
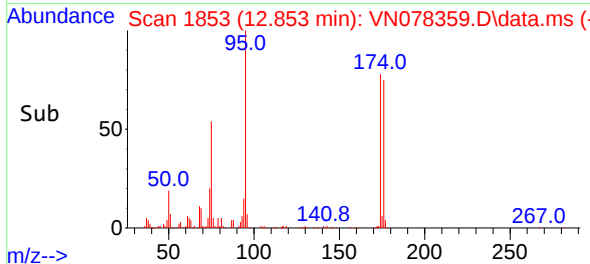
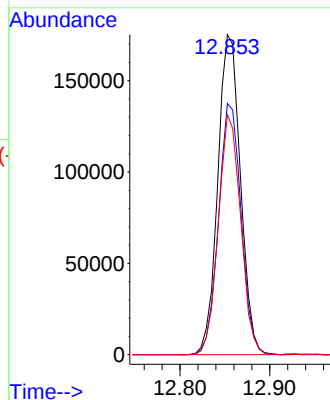
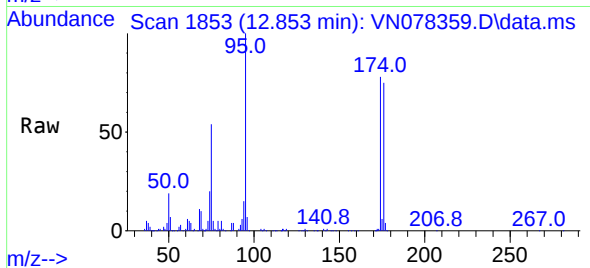


#62
4-Bromofluorobenzene
Concen: 47.705 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

Tgt Ion: 95 Resp: 307305

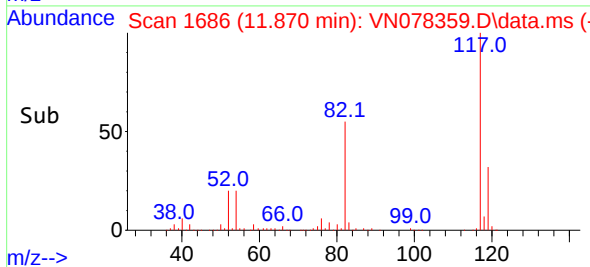
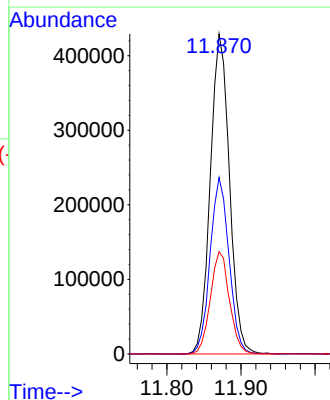
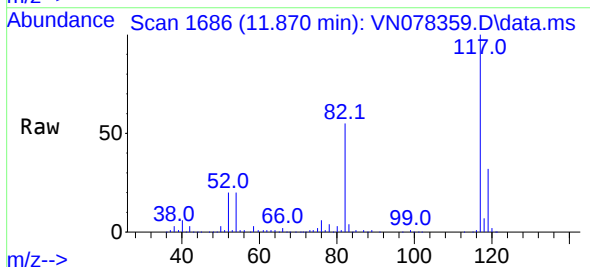
Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	143.8
176	73.7	0.0	135.8

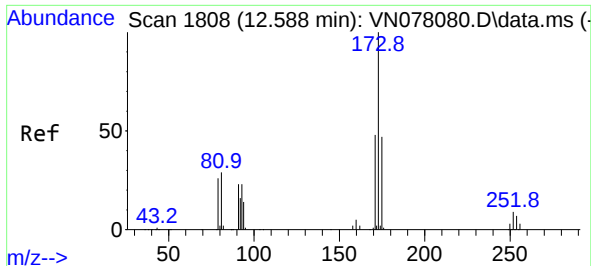


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 117 Resp: 770370

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.0	66.0
119	32.0	25.6	38.4

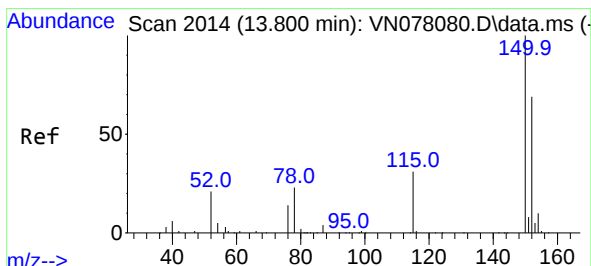
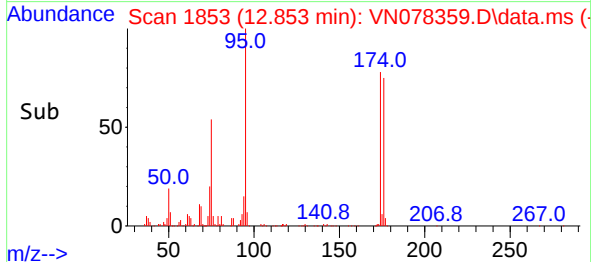
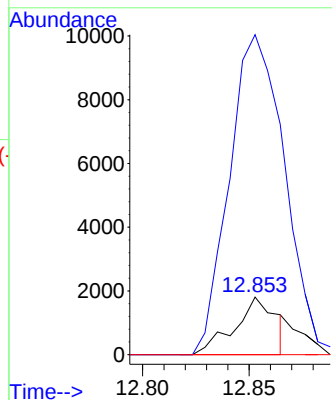
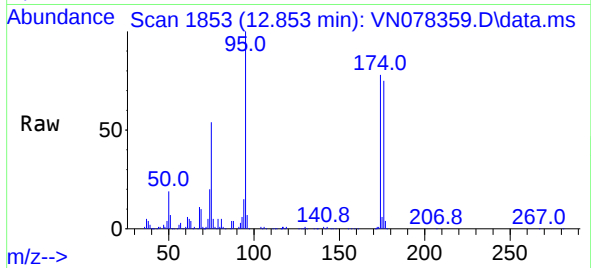




#71
Bromoform
Concen: 0.628 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

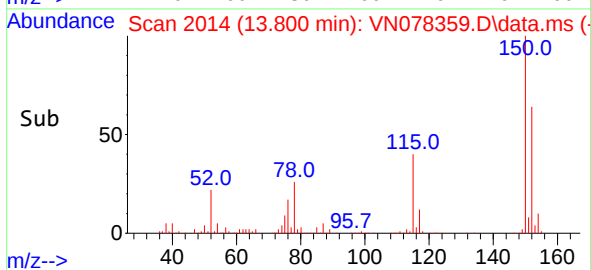
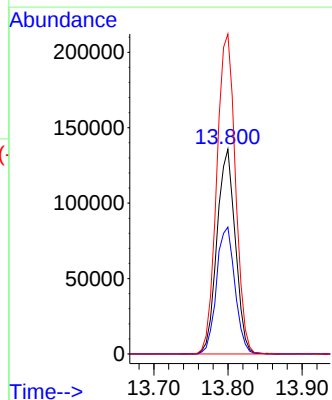
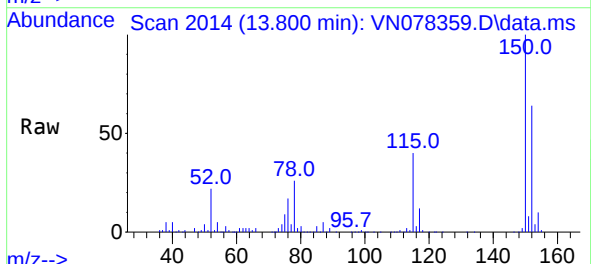
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

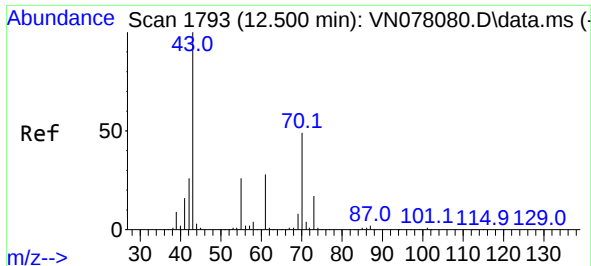
Tgt Ion:173 Resp: 2460
Ion Ratio Lower Upper
173 100
175 643.7 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion:152 Resp: 233386
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 159.0 0.0 355.8

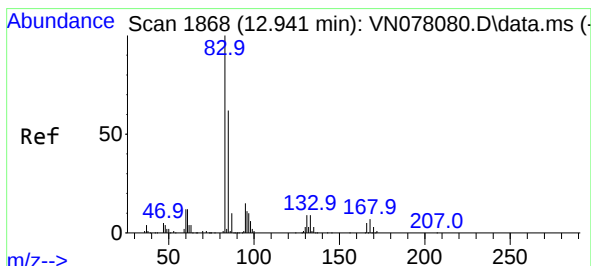
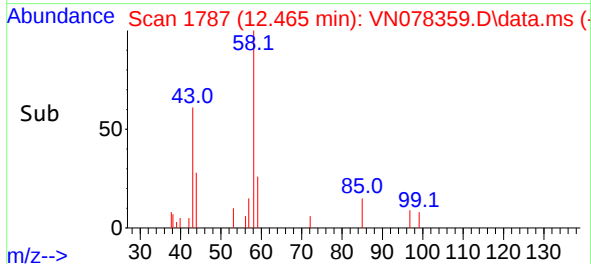
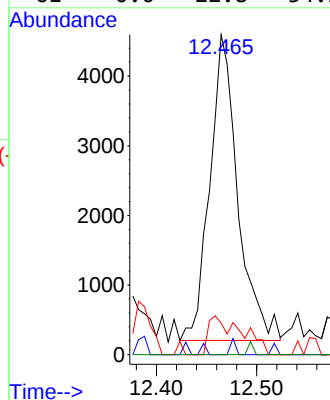
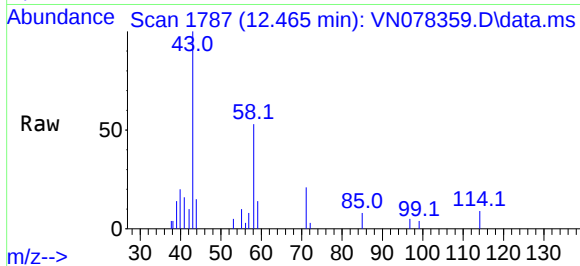




#74
N-amy1 acetate
Concen: 1.172 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.035 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

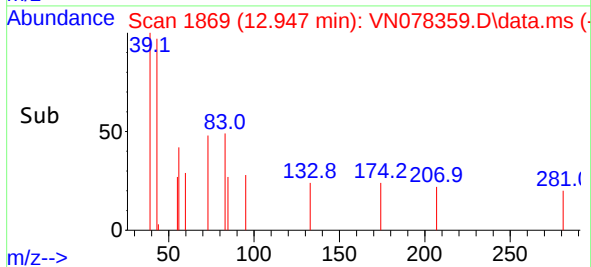
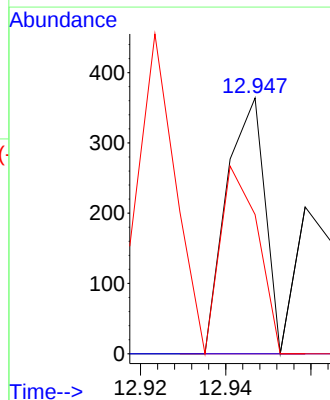
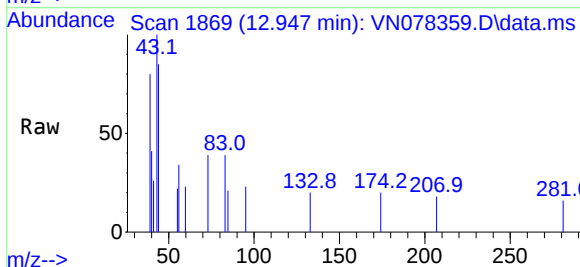
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

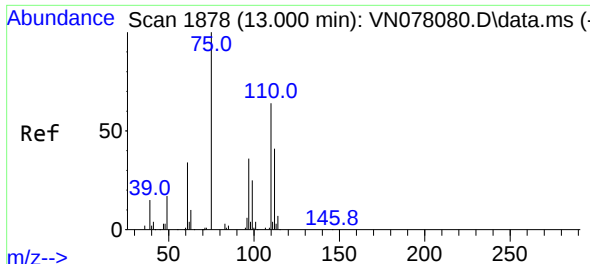
Tgt Ion:	43	Resp:	8520
Ion	Ratio	Lower	Upper
43	100		
70	0.7	43.4	65.2#
55	7.4	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion:	83	Resp:	226
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	72.6	31.9	95.7

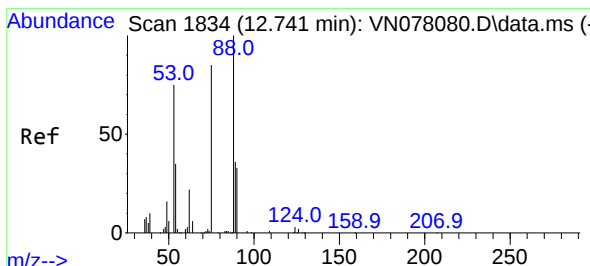
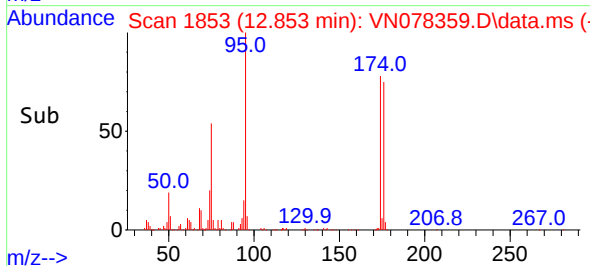
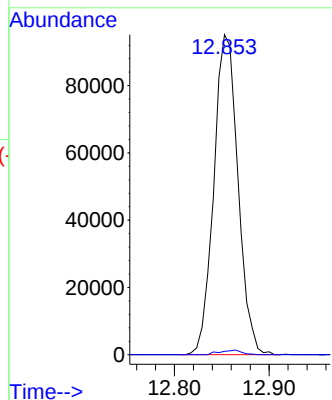
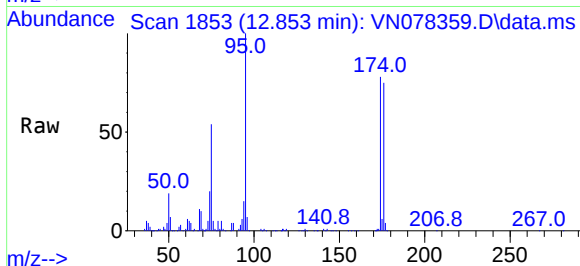




#76
1,2,3-Trichloropropane
Concen: 30.629 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-04-G

Tgt Ion: 75 Resp: 168992
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.103 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078359.D
Acq: 22 Jun 2023 18:52

Tgt Ion: 75 Resp: 168992
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

