

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077862.D
 Acq On : 24 May 2023 19:07
 Operator : JC\MD
 Sample : 02910-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW04BR-20230523

Quant Time: May 25 01:44:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

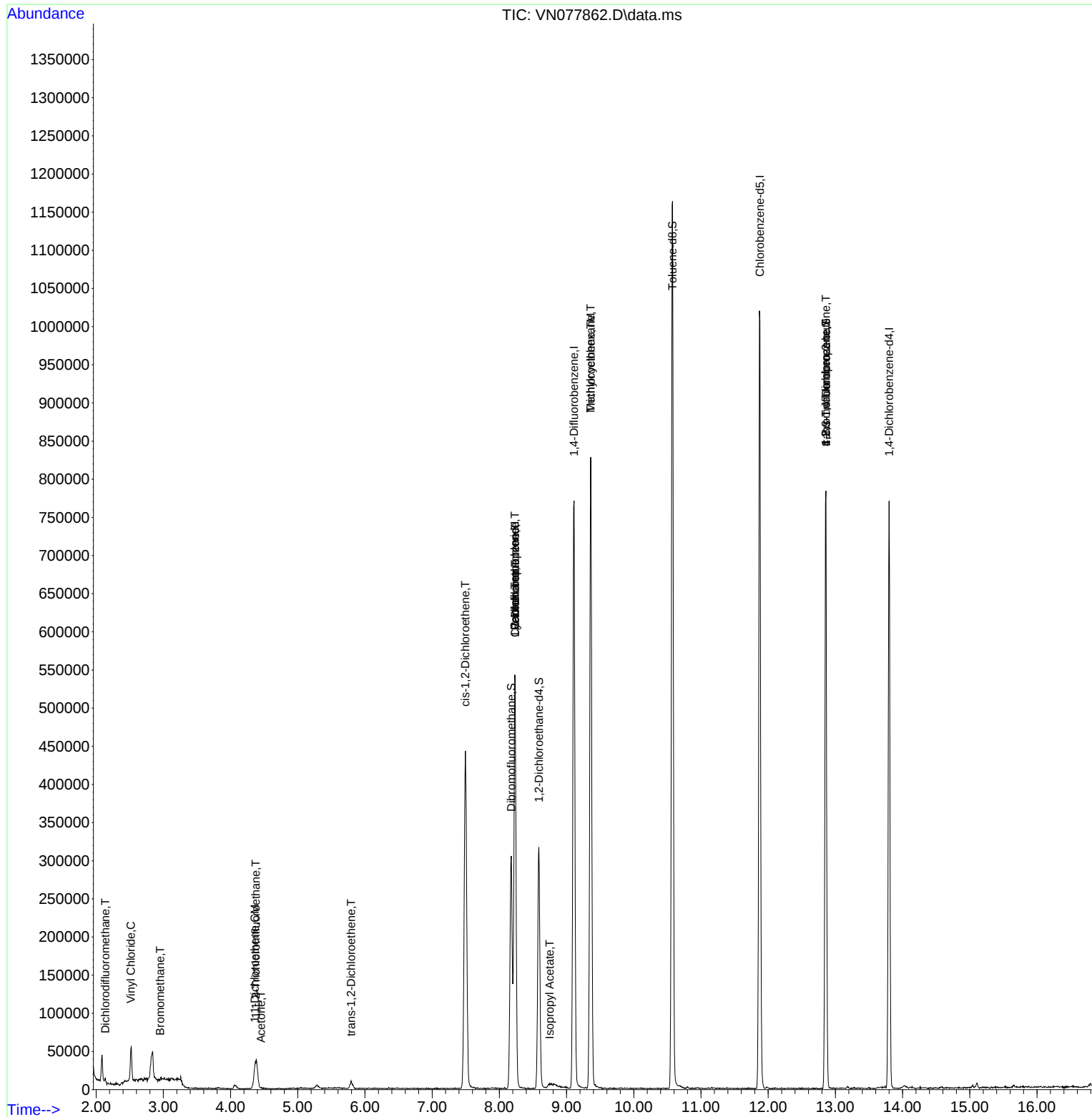
Internal Standards						
1) Pentafluorobenzene	8.230	168	389131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	685636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	623284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	259195	44.517	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.040%
35) Dibromofluoromethane	8.177	113	223569	50.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.000%
50) Toluene-d8	10.576	98	864691	50.246	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.859	95	282079	46.411	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	4257	0.961	ug/l	75
3) Chloromethane	2.371	50	1424	Below Cal	#	74
4) Vinyl Chloride	2.518	62	41081	7.358	ug/l	95
5) Bromomethane	2.953	94	1004	0.243	ug/l	# 77
9) 1,1,2-Trichlorotrifluo...	4.377	101	25644	5.955	ug/l	97
12) 1,1-Dichloroethene	4.359	96	4091	1.000	ug/l	# 74
13) Acrolein	4.183	56	58	Below Cal	#	16
16) Acetone	4.453	43	966	0.527	ug/l	# 40
20) Methylene Chloride	5.289	84	3625	Below Cal	#	75
21) trans-1,2-Dichloroethene	5.794	96	5963	1.297	ug/l	94
27) cis-1,2-Dichloroethene	7.494	96	273500	49.615	ug/l	97
31) Cyclohexane	8.235	56	9532	1.205	ug/l	# 1
36) 1,1-Dichloropropene	8.235	75	31978	4.890	ug/l	# 48
38) Carbon Tetrachloride	8.230	117	40335	6.108	ug/l	# 17
39) Methylcyclohexane	9.359	83	4107	0.513	ug/l	# 1
43) Isopropyl Acetate	8.747	43	4009	0.421	ug/l	# 49
44) Trichloroethene	9.359	130	295236	60.420	ug/l	91
76) 1,2,3-Trichloropropane	12.859	75	152978	29.017	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.859	75	152978	92.752	ug/l	# 15

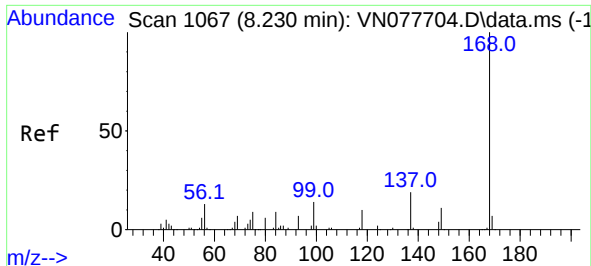
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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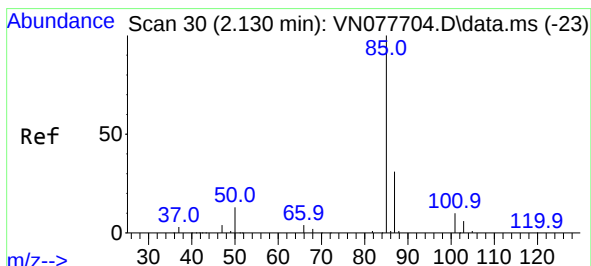
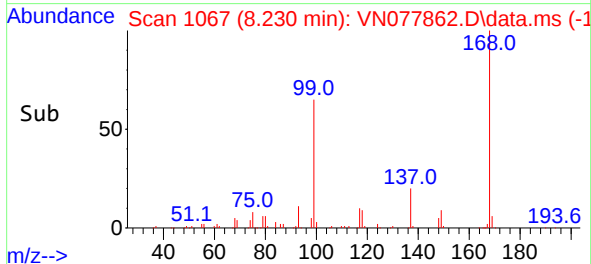
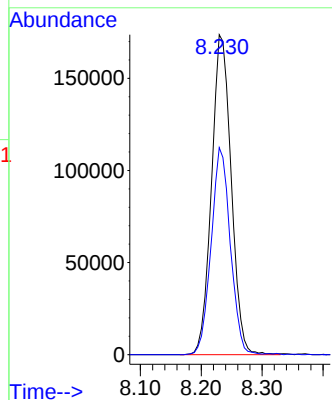
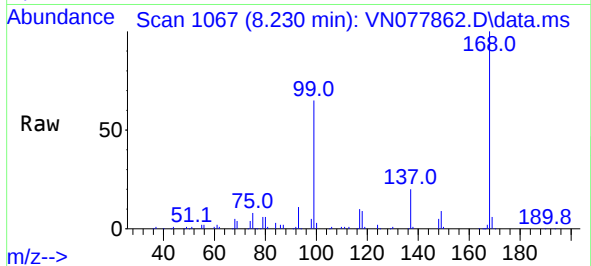




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

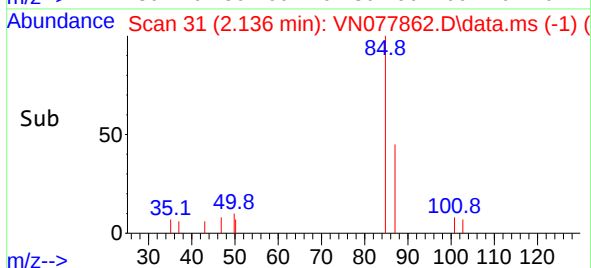
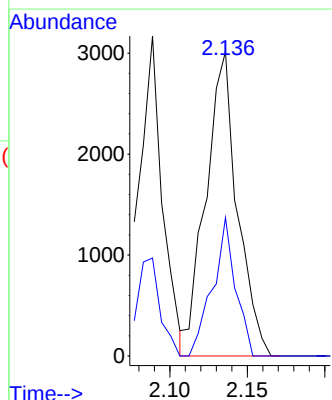
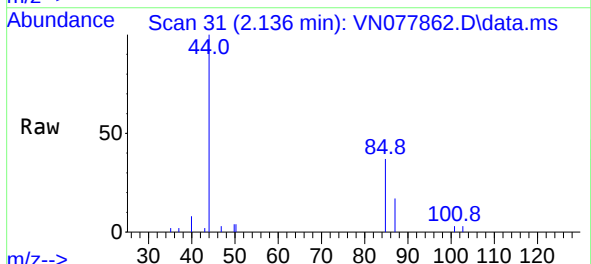
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MSVOA_N
ClientSampleId :
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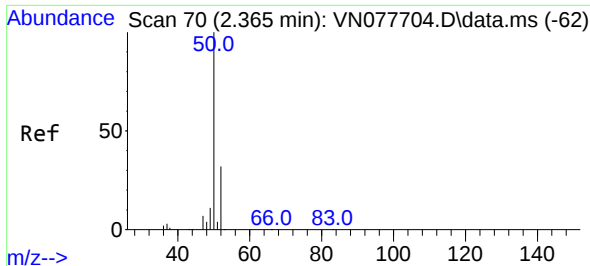
Tgt Ion:168 Resp: 389131
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.961 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 85 Resp: 4257
Ion Ratio Lower Upper
85 100
87 45.5 15.8 47.4

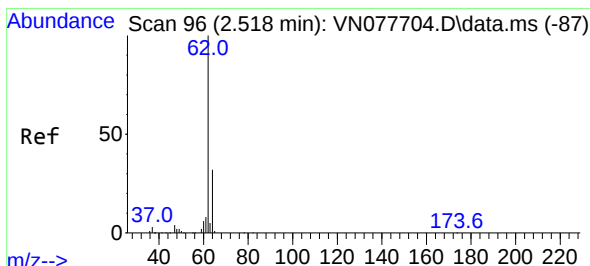
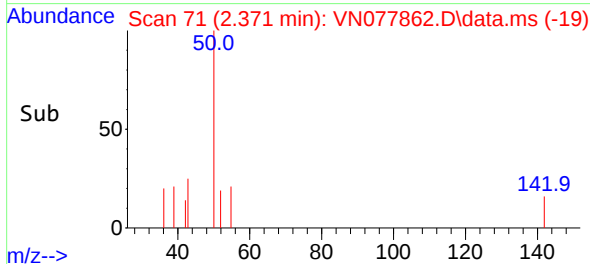
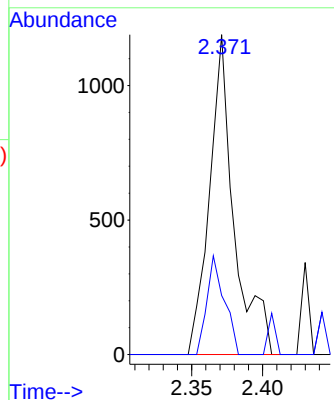
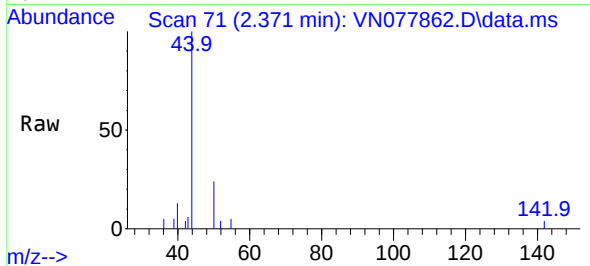




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Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

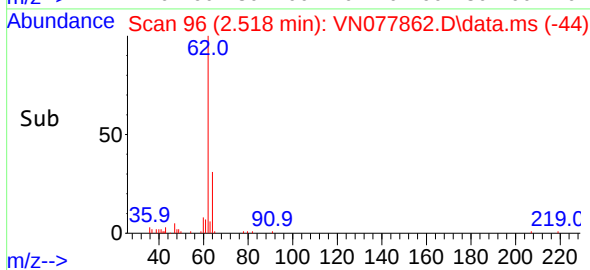
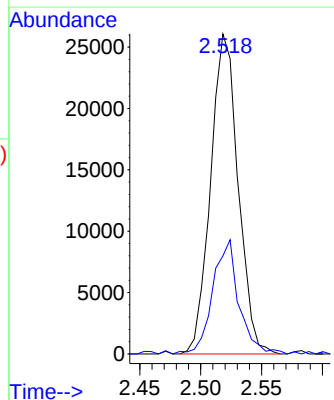
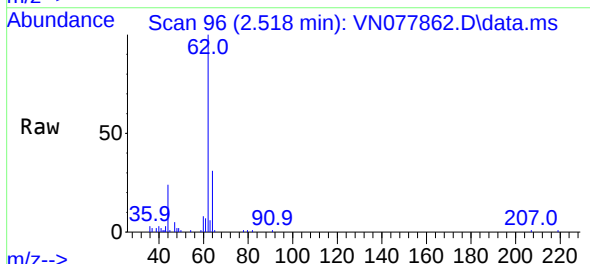
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

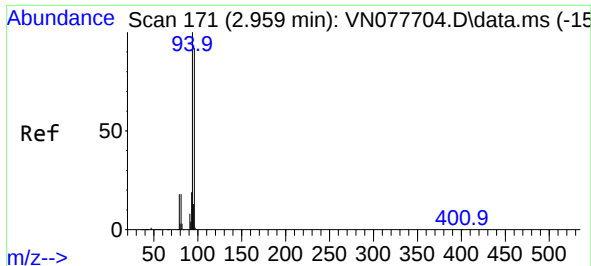
Tgt Ion: 50 Resp: 1424
Ion Ratio Lower Upper
50 100
52 18.5 26.5 39.7#



#4
Vinyl Chloride
Concen: 7.358 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 62 Resp: 41081
Ion Ratio Lower Upper
62 100
64 29.8 26.2 39.2

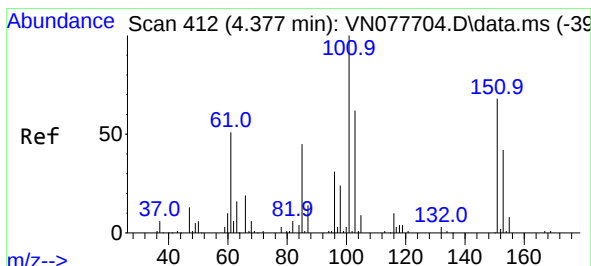
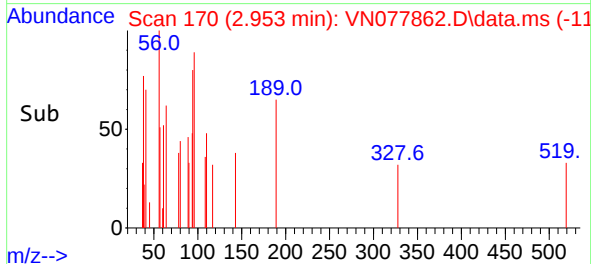
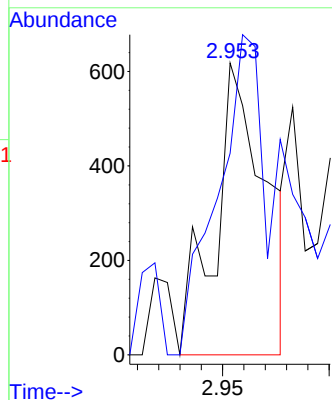
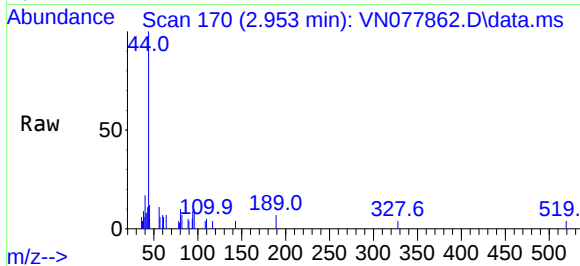




#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

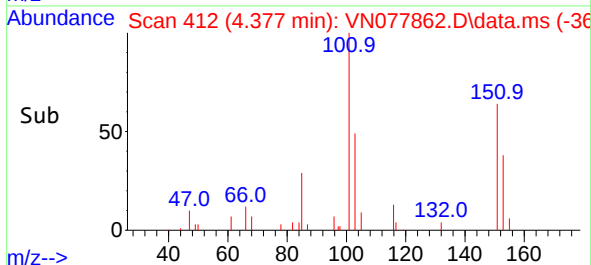
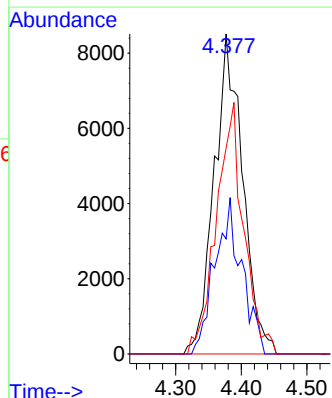
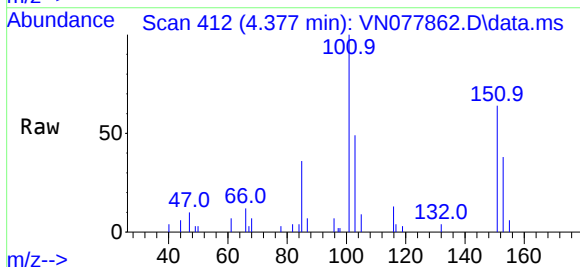
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

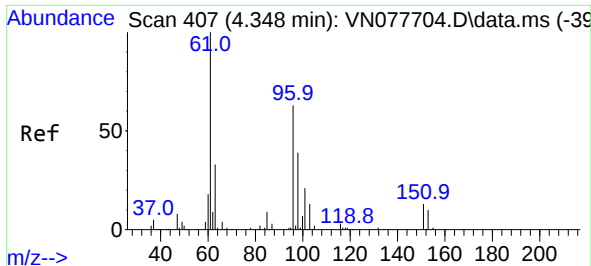
Tgt Ion: 94 Resp: 1004
Ion Ratio Lower Upper
94 100
96 69.1 73.1 109.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.955 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 101 Resp: 25644
Ion Ratio Lower Upper
101 100
85 45.9 36.6 55.0
151 75.6 57.6 86.4





#12

1,1-Dichloroethene

Concen: 1.000 ug/l

RT: 4.359 min Scan# 409

Delta R.T. 0.012 min

Lab File: VN077862.D

Acq: 24 May 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW04BR-20230523

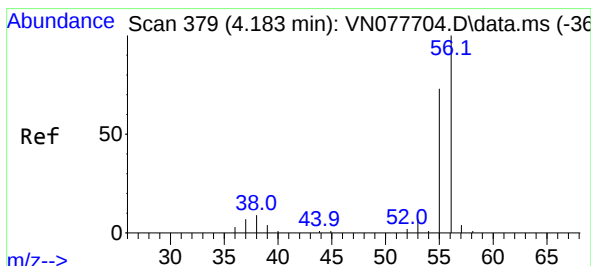
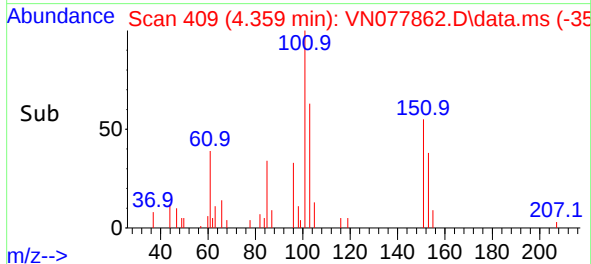
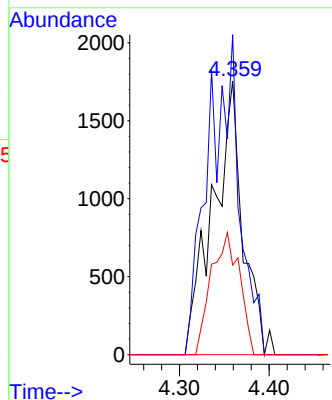
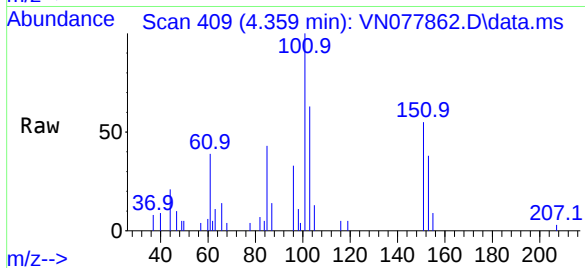
Tgt Ion: 96 Resp: 4091

Ion Ratio Lower Upper

96 100

61 117.0 112.7 169.1

98 32.7 51.2 76.8#



#13

Acrolein

Concen: Below Cal

RT: 4.183 min Scan# 379

Delta R.T. -0.006 min

Lab File: VN077862.D

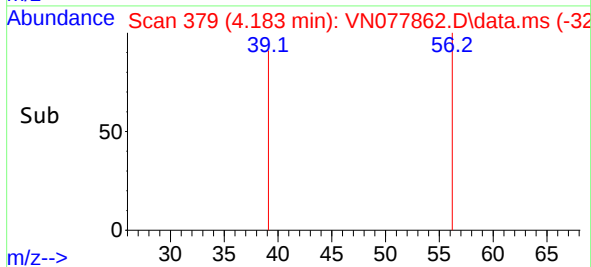
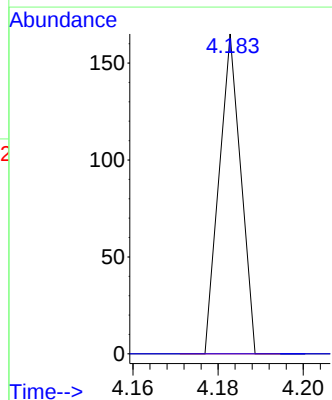
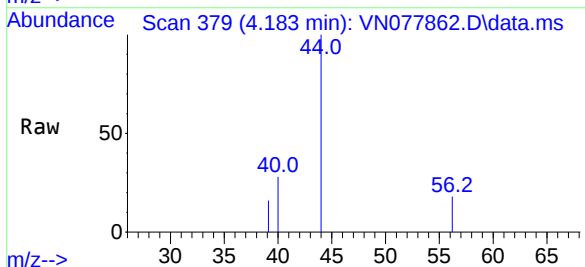
Acq: 24 May 2023 19:07

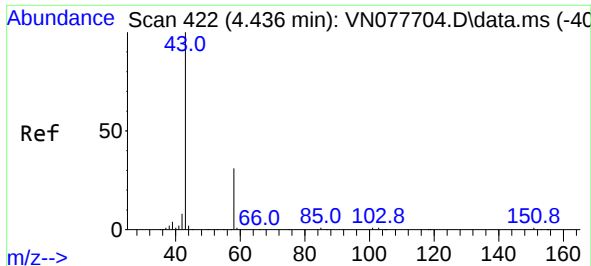
Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#

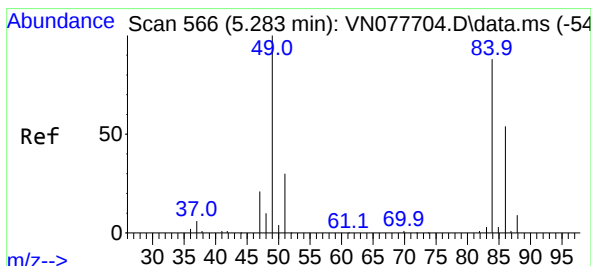
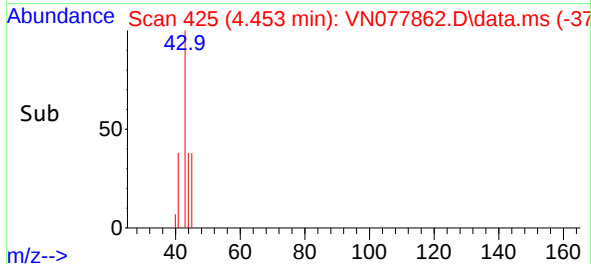
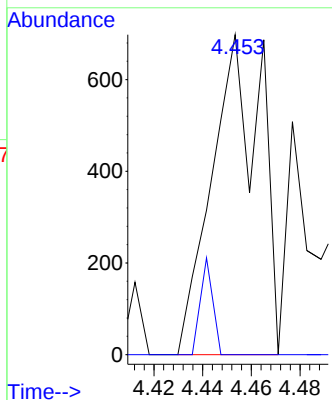
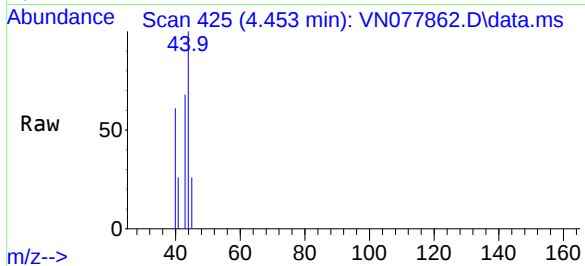




#16
Acetone
Concen: 0.527 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

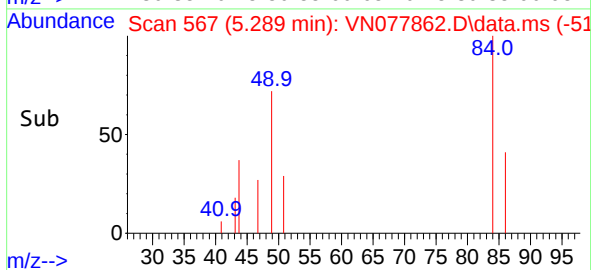
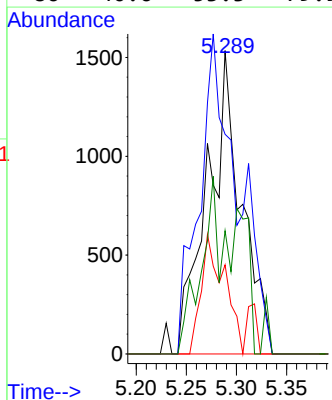
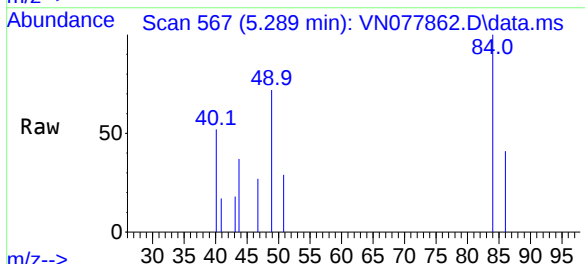
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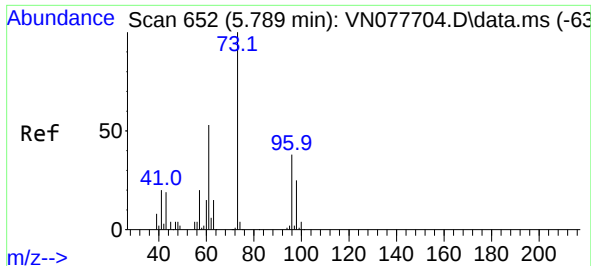
Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 84 Resp: 3625
Ion Ratio Lower Upper
84 100
49 72.4 79.7 119.5#
51 29.4 25.2 37.8
86 40.6 53.3 79.9#

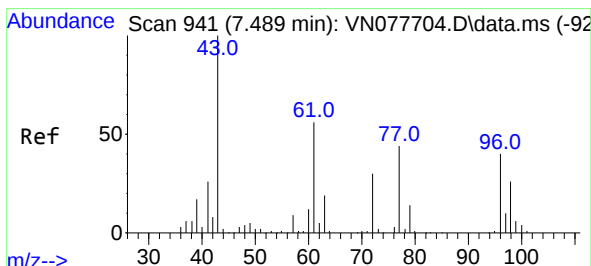
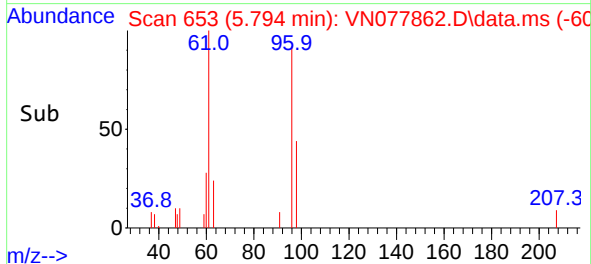
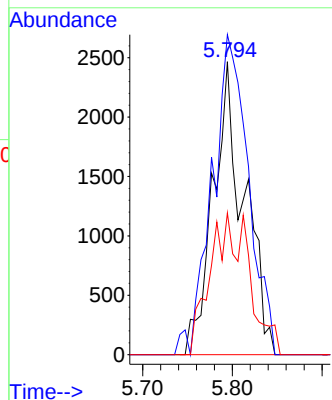
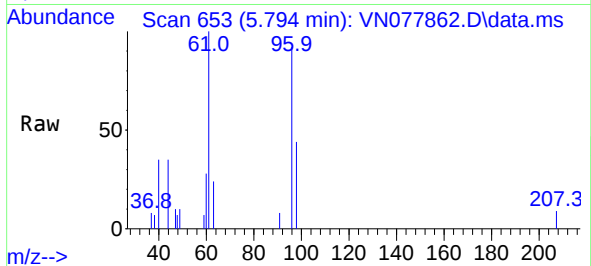




#21
trans-1,2-Dichloroethene
Concen: 1.297 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

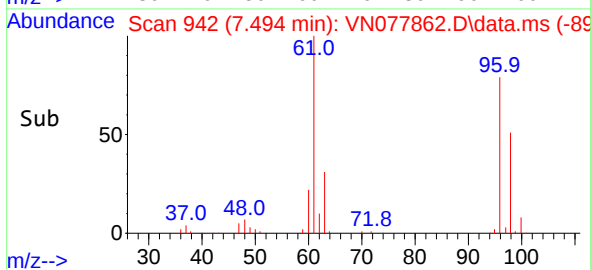
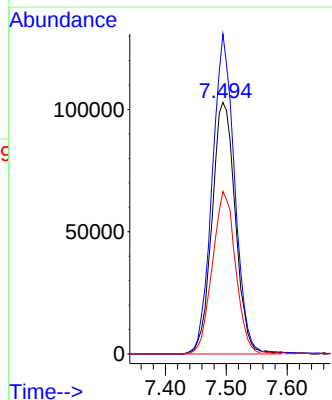
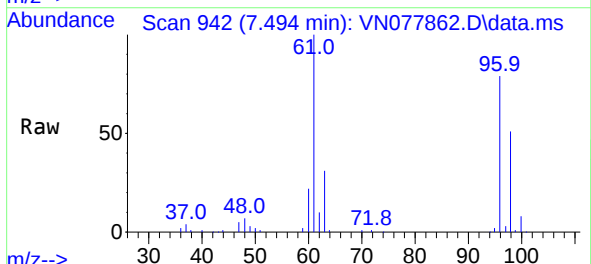
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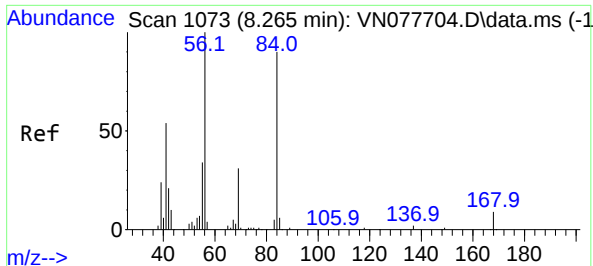
Tgt Ion: 96 Resp: 5963
Ion Ratio Lower Upper
96 100
61 109.2 90.1 135.1
98 48.4 46.4 69.6



#27
cis-1,2-Dichloroethene
Concen: 49.615 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 96 Resp: 273500
Ion Ratio Lower Upper
96 100
61 121.9 0.0 255.2
98 64.4 0.0 128.8

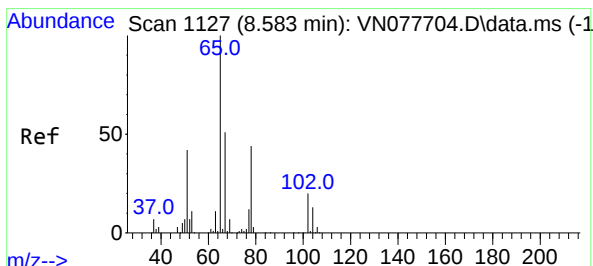
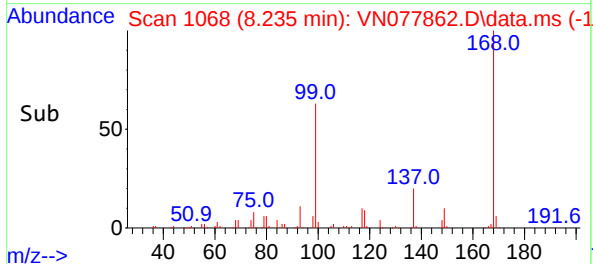
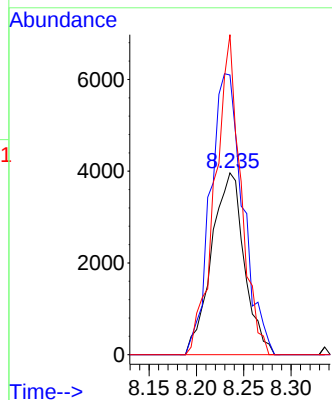
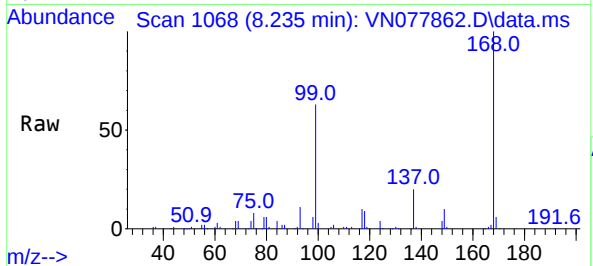




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

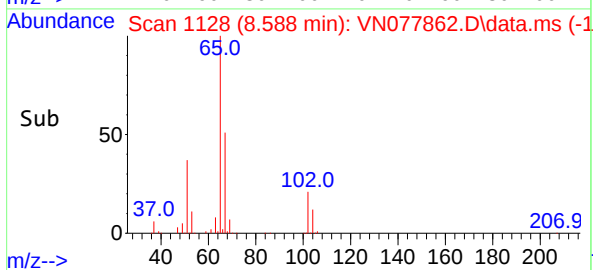
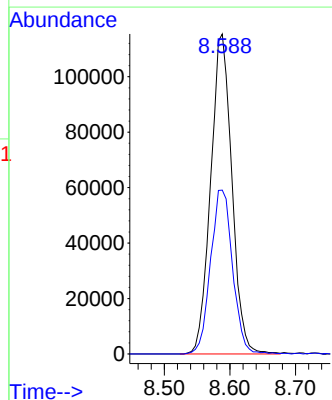
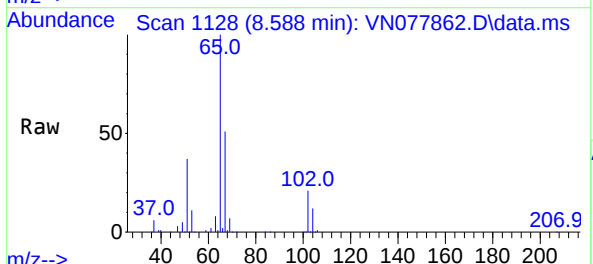
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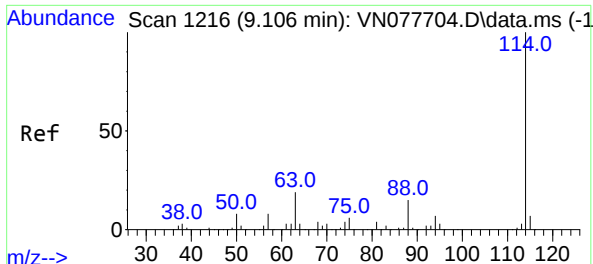
Tgt Ion: 56 Resp: 9532
Ion Ratio Lower Upper
56 100
69 153.8 26.8 40.2#
84 176.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 44.517 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 65 Resp: 259195
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077862.D

Acq: 24 May 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW04BR-20230523

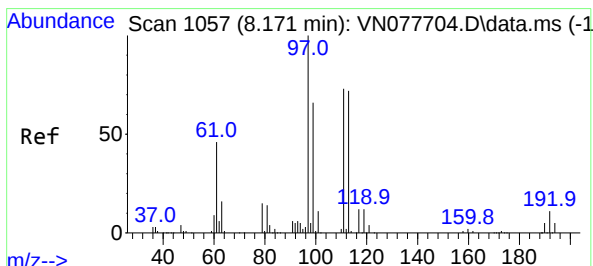
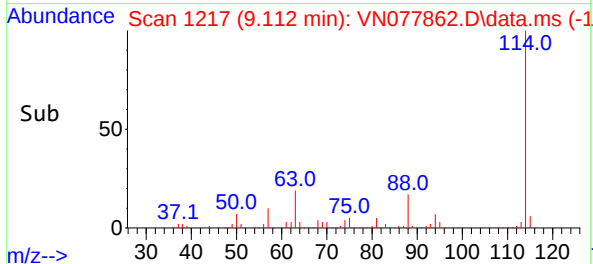
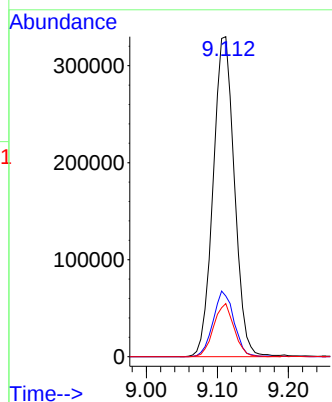
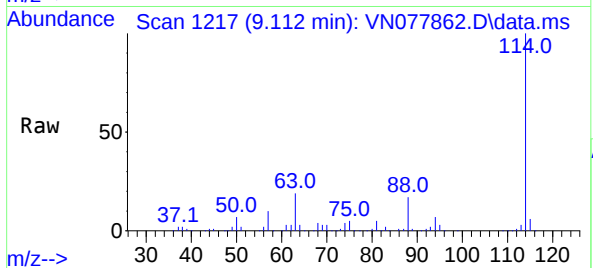
Tgt Ion:114 Resp: 685636

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 16.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.005 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077862.D

Acq: 24 May 2023 19:07

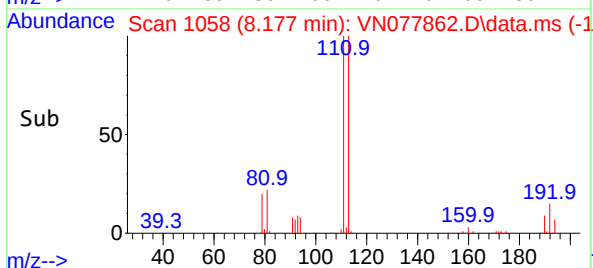
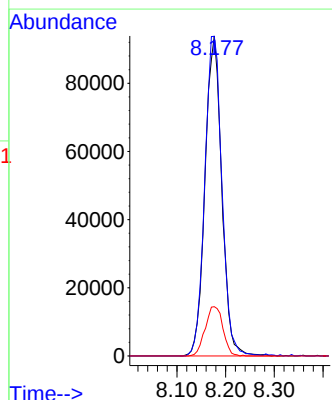
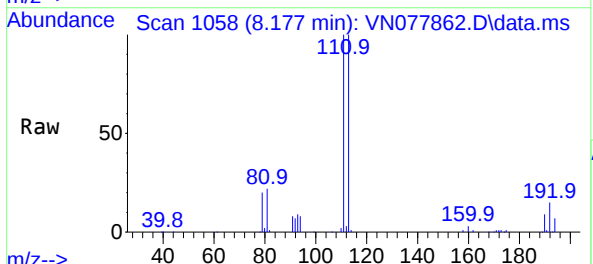
Tgt Ion:113 Resp: 223569

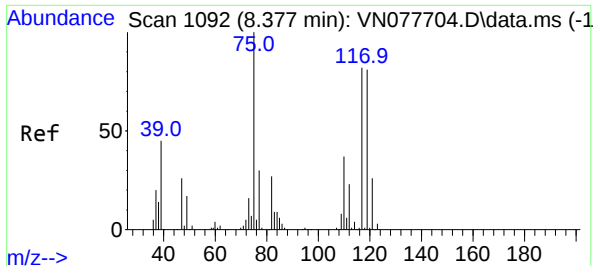
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 16.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077862.D

Acq: 24 May 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW04BR-20230523

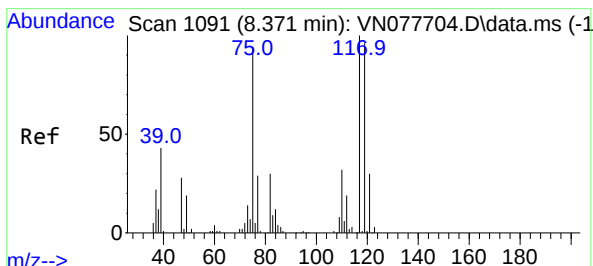
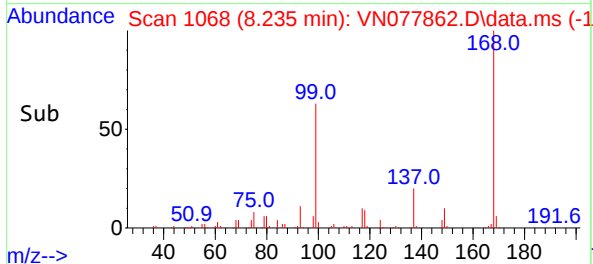
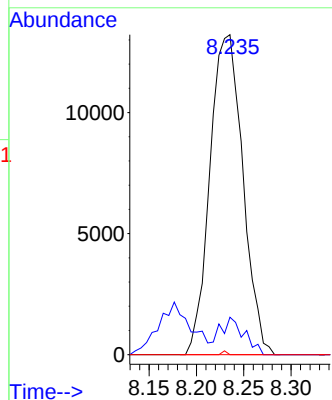
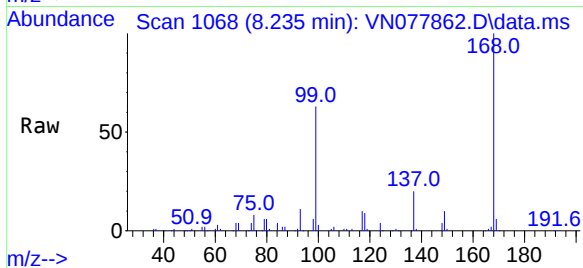
Tgt Ion: 75 Resp: 31978

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.2 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.108 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077862.D

Acq: 24 May 2023 19:07

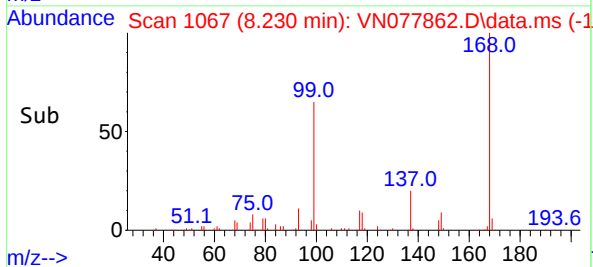
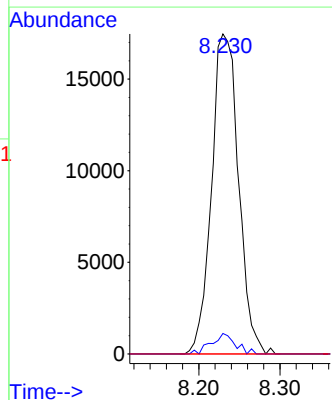
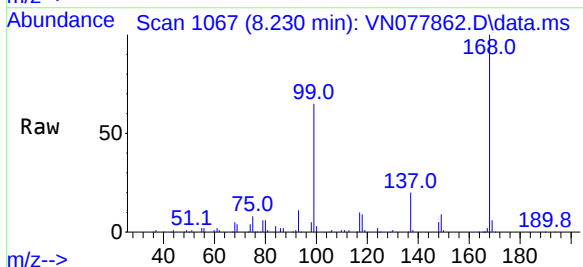
Tgt Ion: 117 Resp: 40335

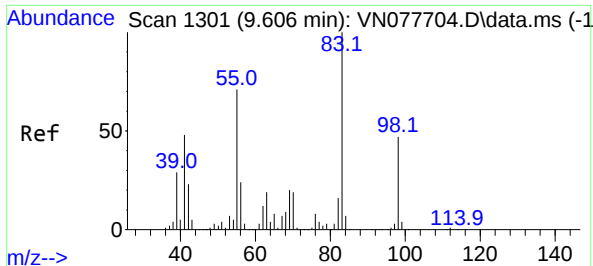
Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.513 ug/l

RT: 9.359 min Scan# 1155

Delta R.T. -0.247 min

Lab File: VN077862.D

Acq: 24 May 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW04BR-20230523

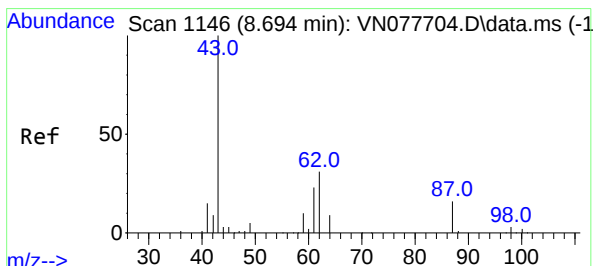
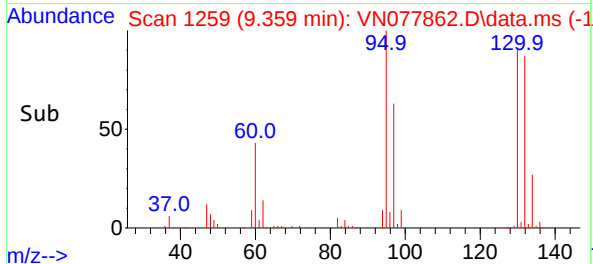
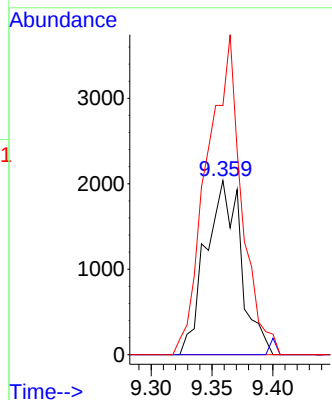
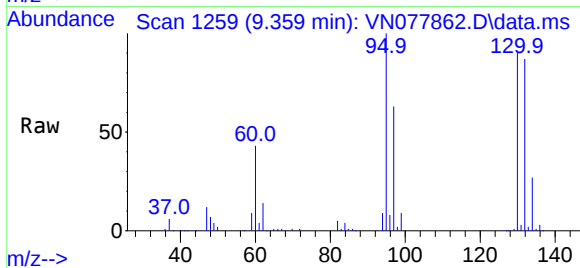
Tgt Ion: 83 Resp: 4107

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 143.2 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.421 ug/l

RT: 8.747 min Scan# 1155

Delta R.T. 0.053 min

Lab File: VN077862.D

Acq: 24 May 2023 19:07

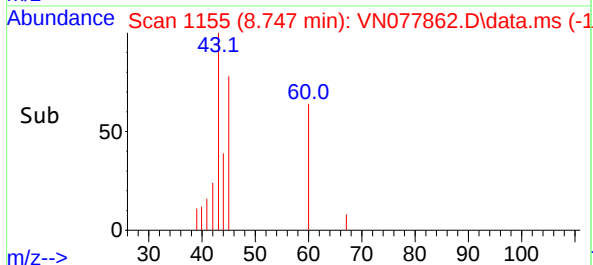
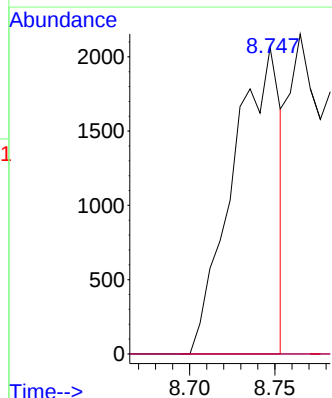
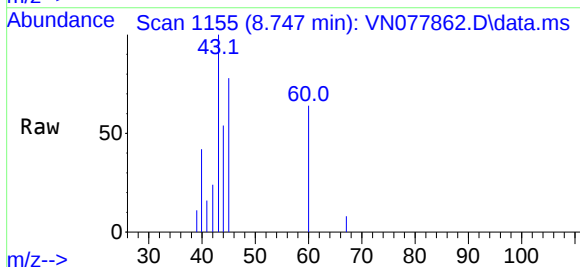
Tgt Ion: 43 Resp: 4009

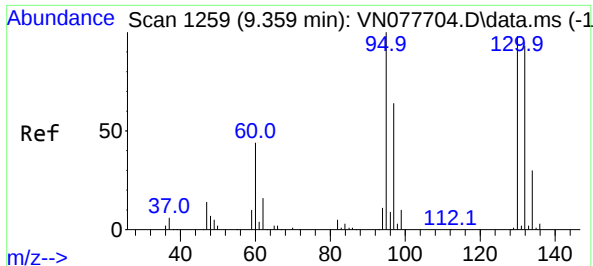
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

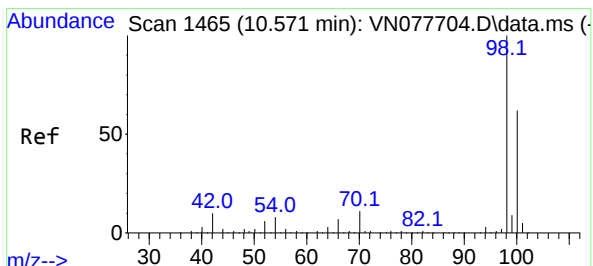
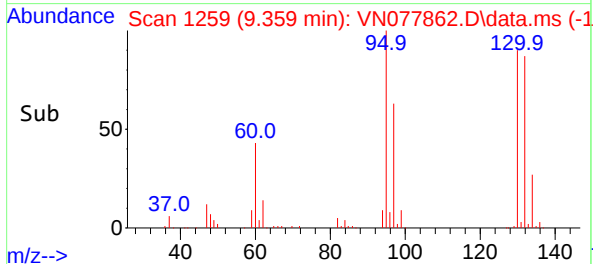
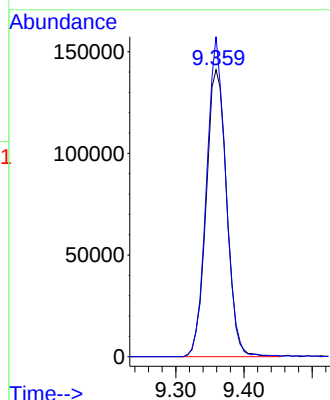
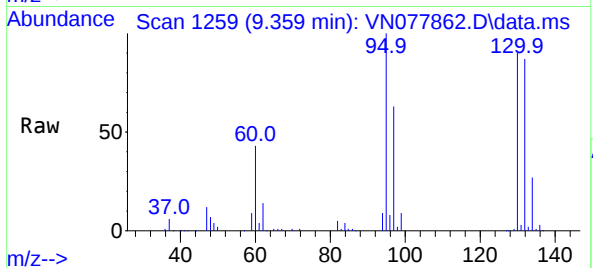




#44
Trichloroethene
Concen: 60.420 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

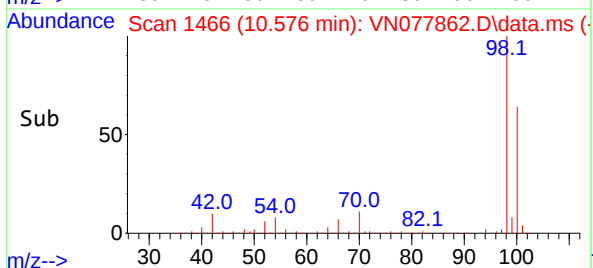
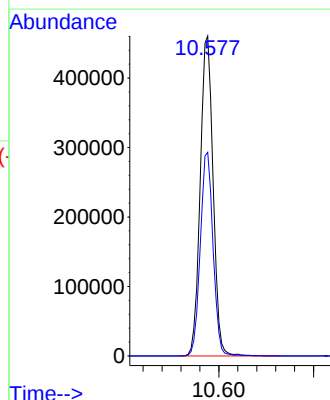
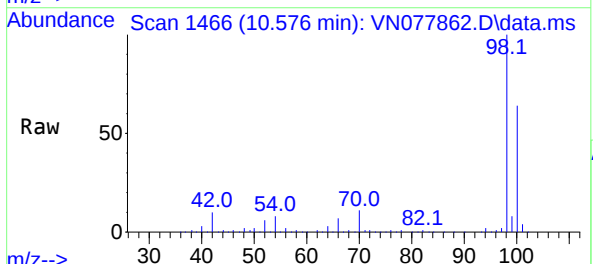
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

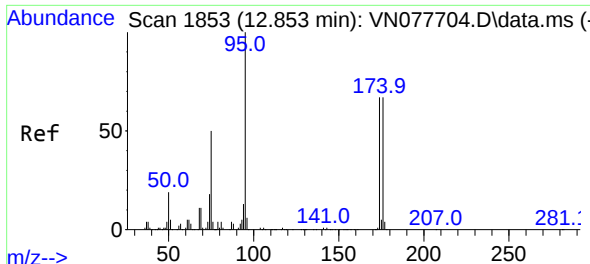
Tgt Ion:130 Resp: 295236
Ion Ratio Lower Upper
130 100
95 111.5 0.0 204.6



#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 98 Resp: 864691
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

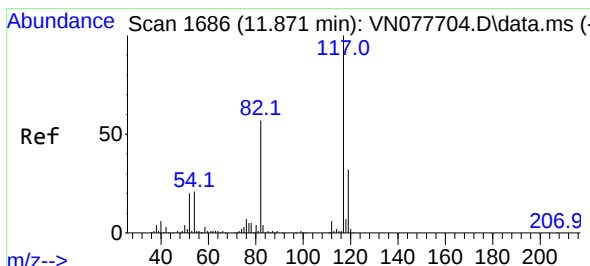
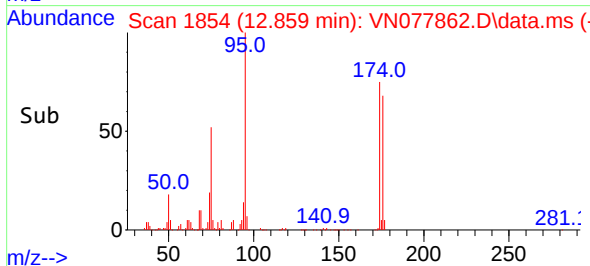
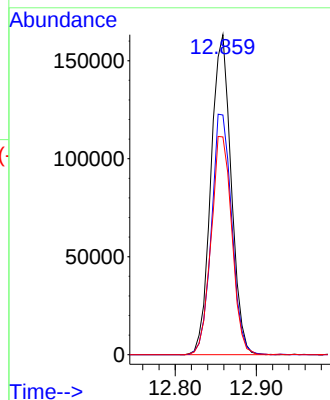
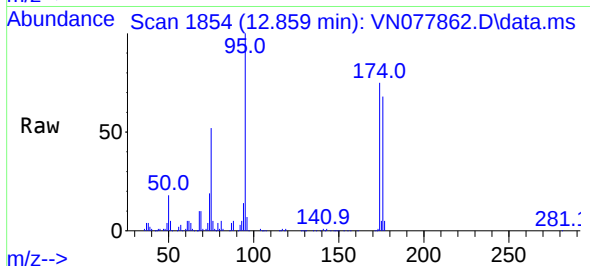




#62
4-Bromofluorobenzene
Concen: 46.411 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

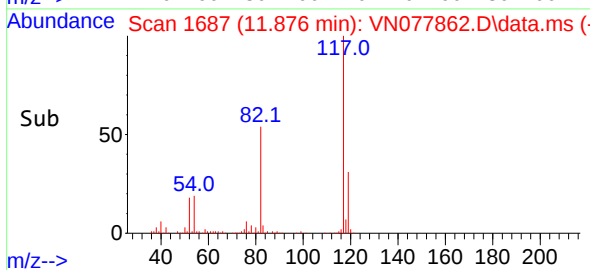
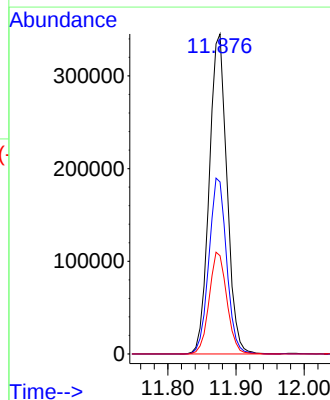
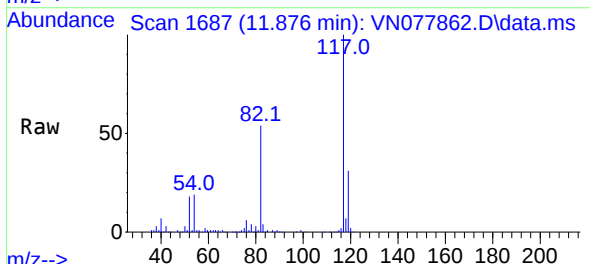
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

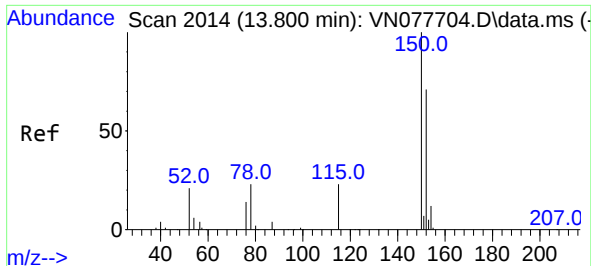
Tgt Ion: 95 Resp: 282079
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 70.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Tgt Ion: 117 Resp: 623284
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 30.7 25.6 38.4

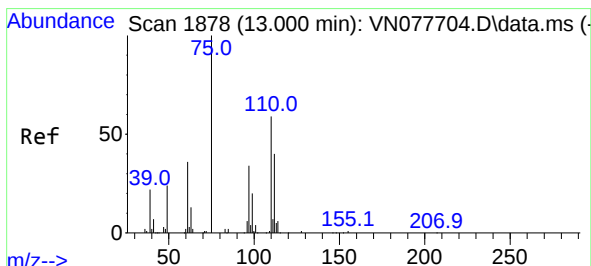
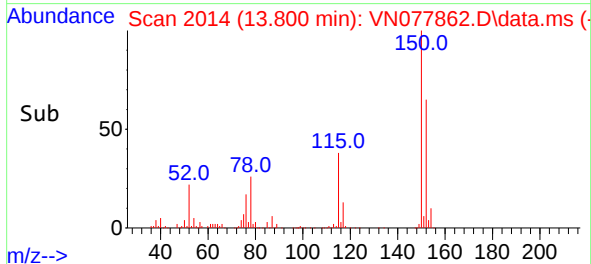
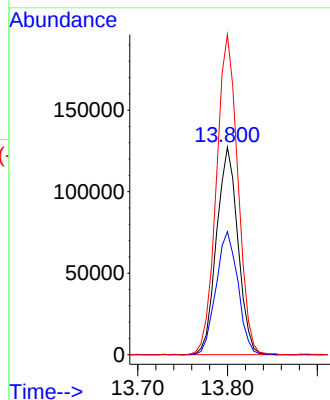
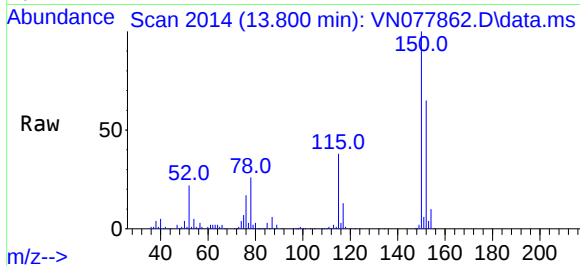




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

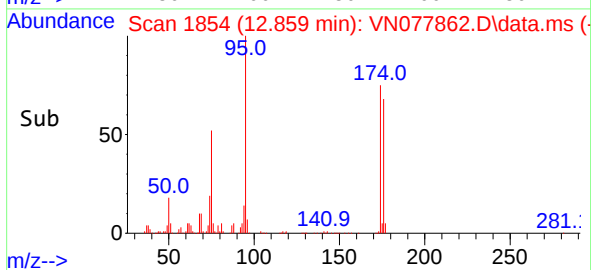
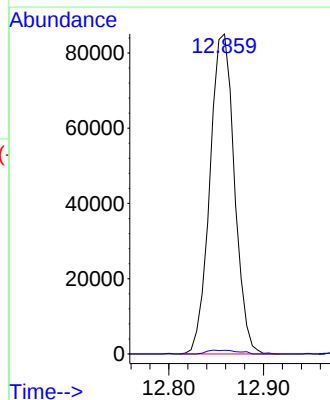
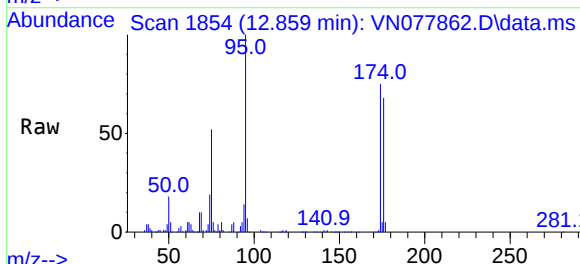
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

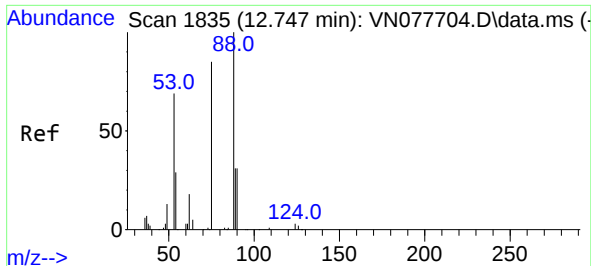
Tgt Ion:152 Resp: 210517
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 155.1 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 29.017 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

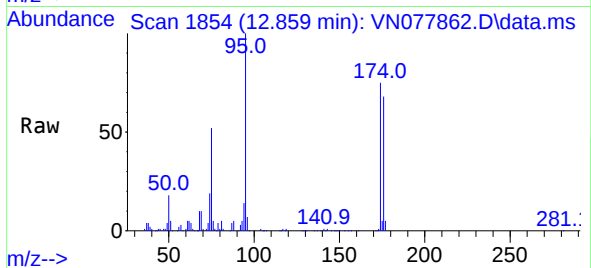
Tgt Ion: 75 Resp: 152978
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.752 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077862.D
Acq: 24 May 2023 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523



Tgt Ion: 75 Resp: 152978
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

