

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077978.D
 Acq On : 30 May 2023 18:39
 Operator : JC\MD
 Sample : 02910-03 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW25BR-20230523DL

Quant Time: May 31 02:11:14 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)

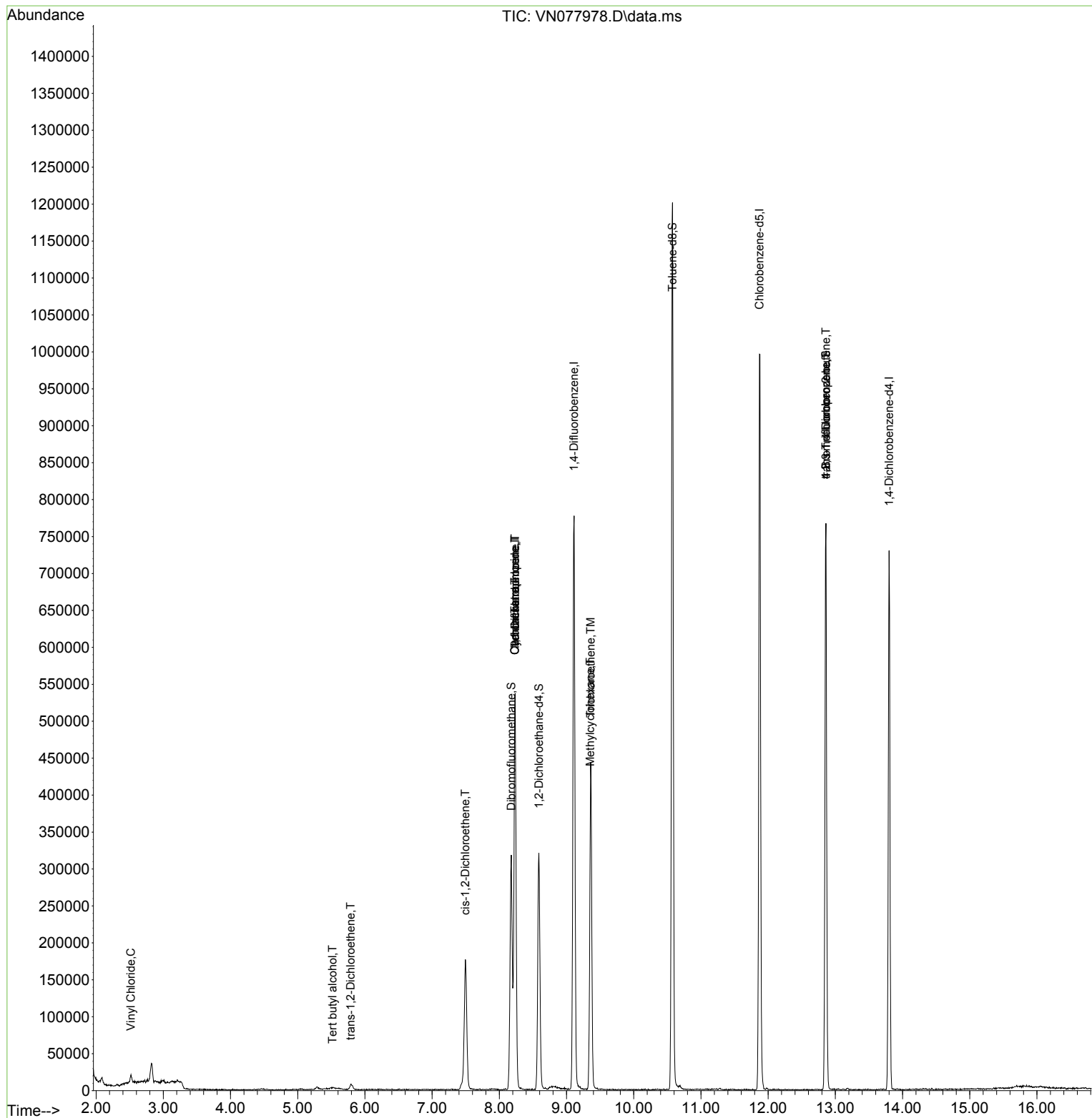
Internal Standards						
1) Pentafluorobenzene	8.236	168	375214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	697029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	611903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	197992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	266163	47.409	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.820%		
35) Dibromofluoromethane	8.177	113	223533	49.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.360%		
50) Toluene-d8	10.577	98	865426	49.467	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.859	95	279609	45.252	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.500%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1144	Below Cal		91
4) Vinyl Chloride	2.518	62	9030	1.677 ug/l		96
11) Tert butyl alcohol	5.518	59	665	0.858 ug/l #		72
13) Acrolein	4.183	56	70	Below Cal #		64
20) Methylene Chloride	5.277	84	1547	Below Cal #		27
21) trans-1,2-Dichloroethene	5.789	96	3092	0.697 ug/l #		84
27) cis-1,2-Dichloroethene	7.494	96	104775	19.712 ug/l		97
31) Cyclohexane	8.230	56	8917	1.169 ug/l #		1
36) 1,1-Dichloropropene	8.236	75	32870	4.944 ug/l #		48
38) Carbon Tetrachloride	8.230	117	41233	6.142 ug/l #		14
39) Methylcyclohexane	9.353	83	2175	0.267 ug/l #		1
44) Trichloroethene	9.359	130	156847	31.574 ug/l		96
76) 1,2,3-Trichloropropane	12.859	75	149558	30.162 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	149558	96.415 ug/l #		15

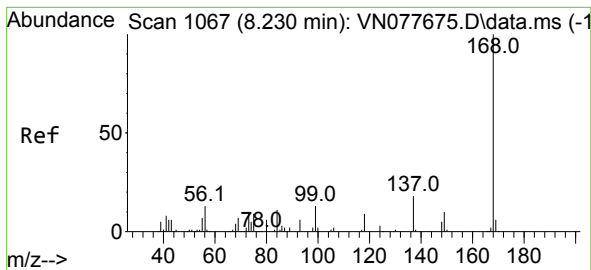
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Instrument :

MSVOA_N

ClientSampleId :

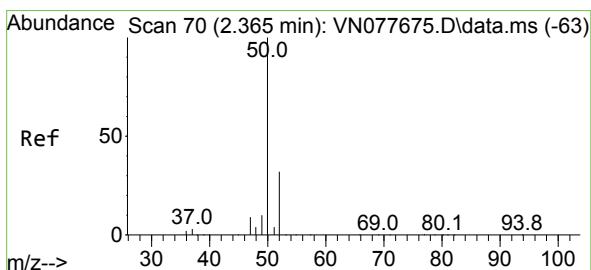
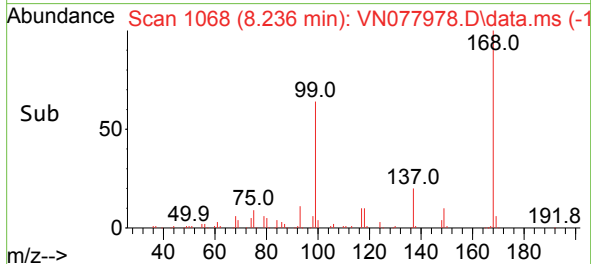
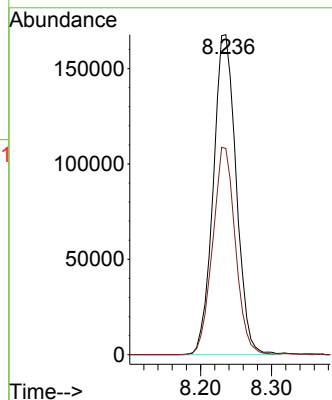
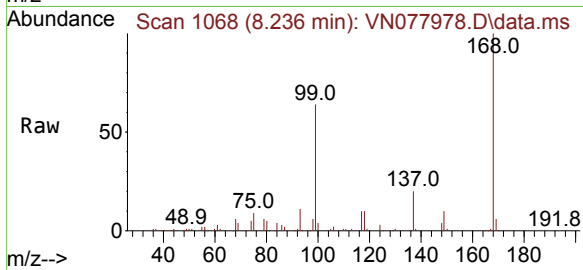
MW25BR-20230523DL

Tgt Ion:168 Resp: 375214

Ion Ratio Lower Upper

168 100

99 64.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077978.D

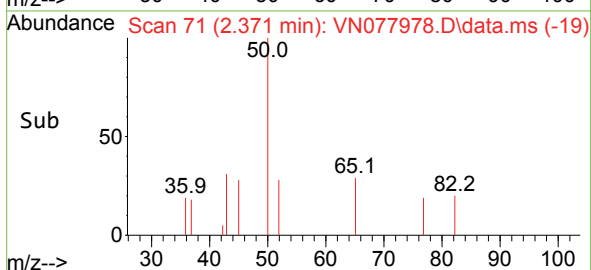
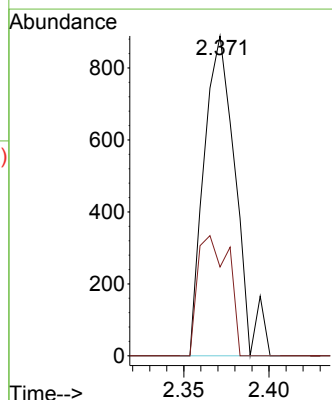
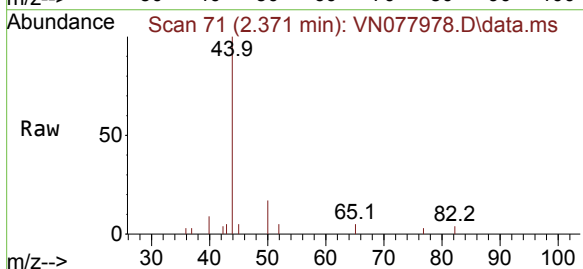
Acq: 30 May 2023 18:39

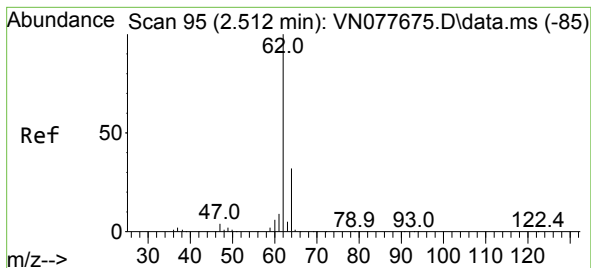
Tgt Ion: 50 Resp: 1144

Ion Ratio Lower Upper

50 100

52 27.8 26.5 39.7





#4

Vinyl Chloride

Concen: 1.677 ug/l

RT: 2.518 min Scan# 90

Delta R.T. 0.006 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Instrument :

MSVOA_N

ClientSampleId :

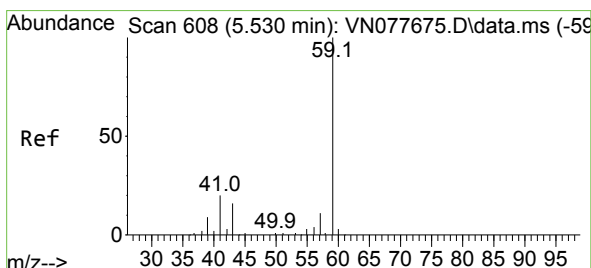
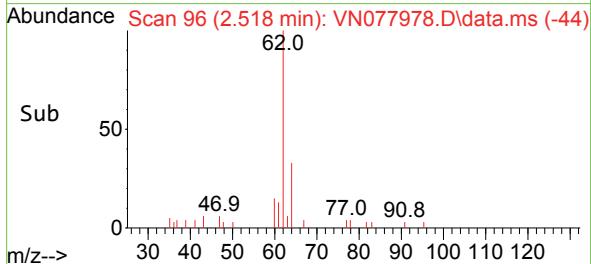
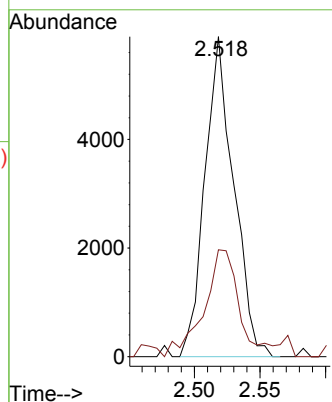
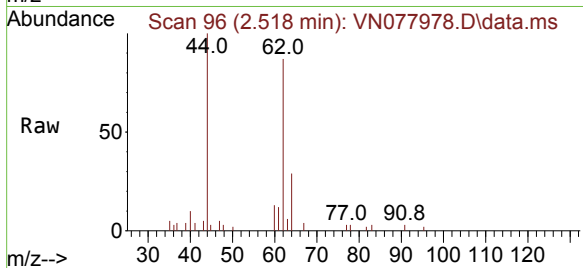
MW25BR-20230523DL

Tgt Ion: 62 Resp: 9030

Ion Ratio Lower Upper

62 100

64 30.6 26.2 39.2



#11

Tert butyl alcohol

Concen: 0.858 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.012 min

Lab File: VN077978.D

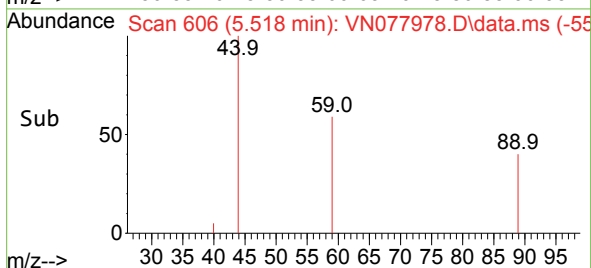
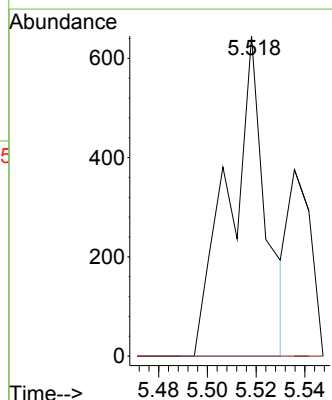
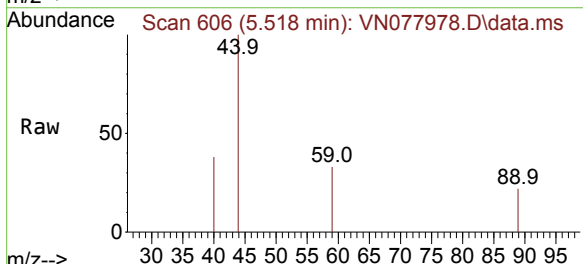
Acq: 30 May 2023 18:39

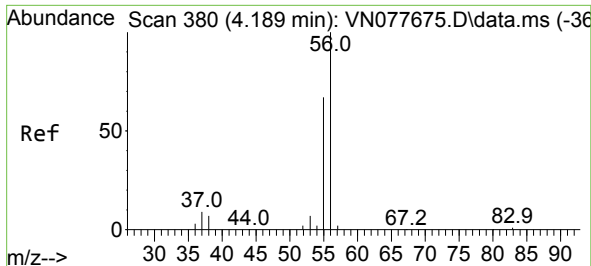
Tgt Ion: 59 Resp: 665

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 4.183 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Instrument :

MSVOA_N

ClientSampleId :

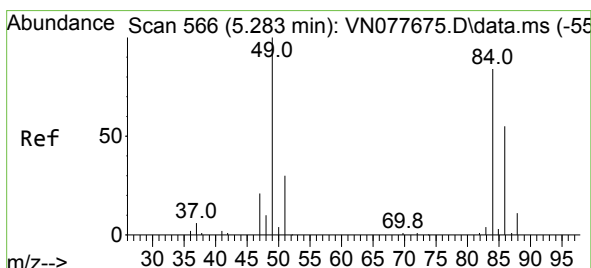
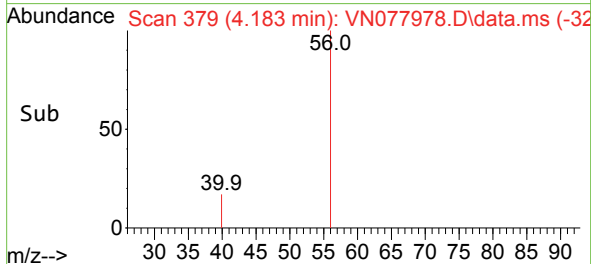
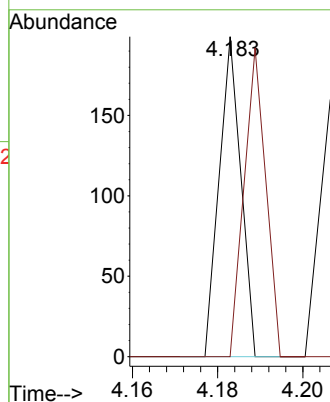
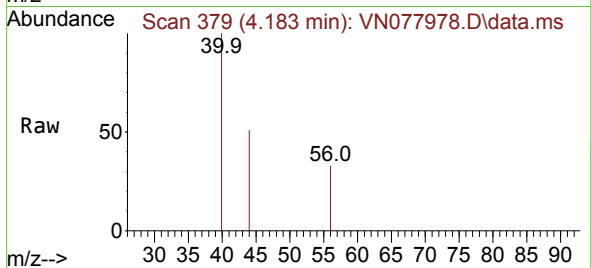
MW25BR-20230523DL

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 97.1 54.5 81.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Tgt Ion: 84 Resp: 1547

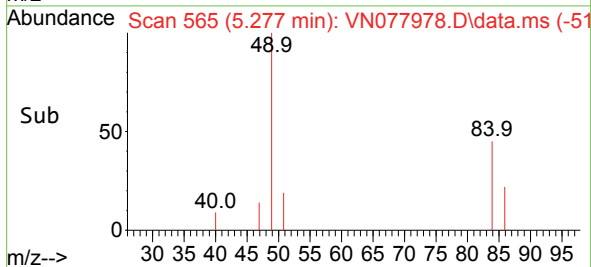
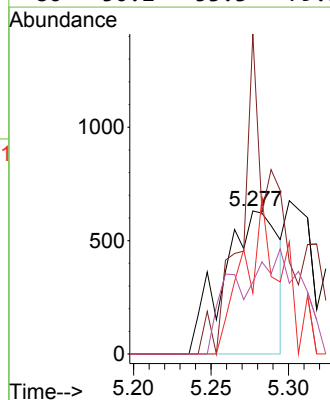
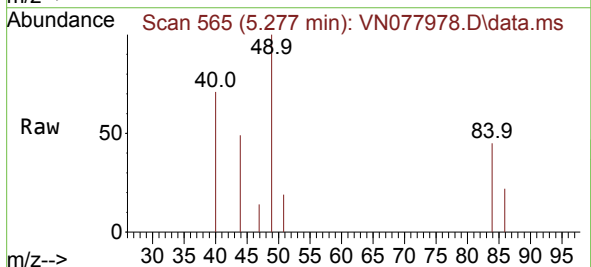
Ion Ratio Lower Upper

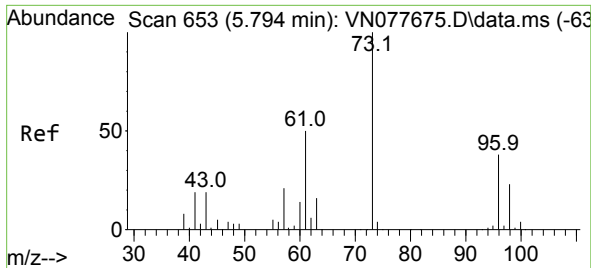
84 100

49 223.6 79.7 119.5#

51 42.6 25.2 37.8#

86 50.2 53.3 79.9#

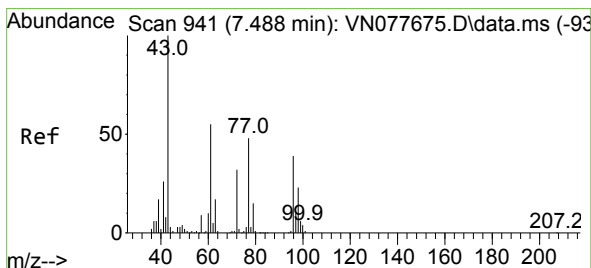
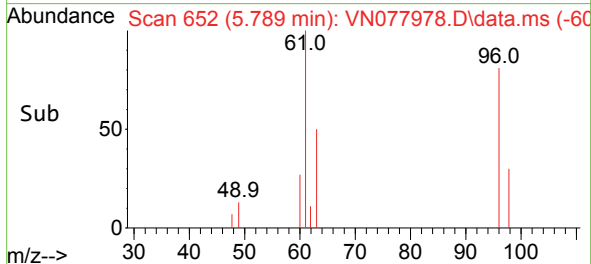
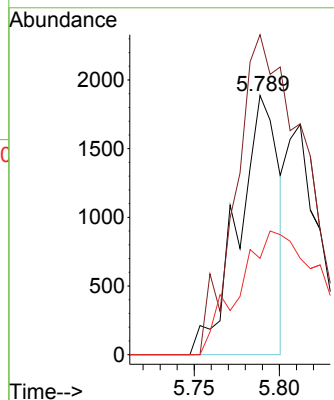
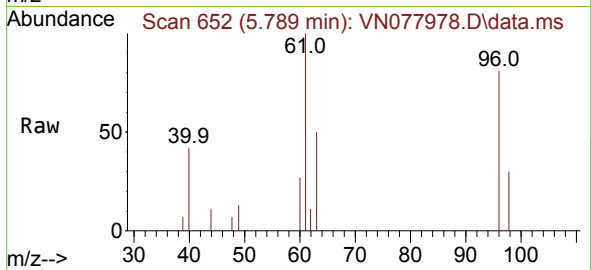




#21
trans-1,2-Dichloroethene
Concen: 0.697 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

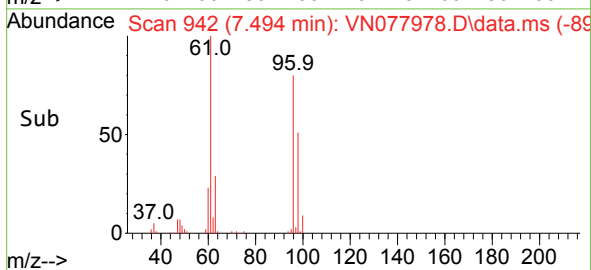
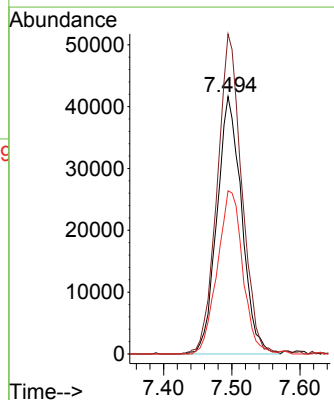
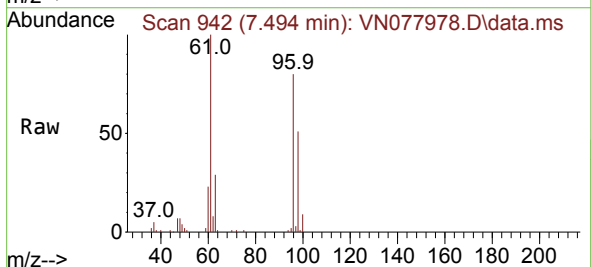
Instrument :
MSVOA_N
ClientSampleId :
MW25BR-20230523DL

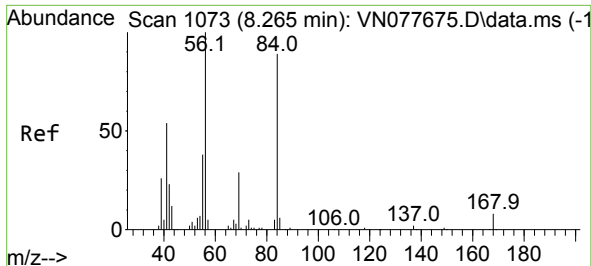
Tgt Ion: 96 Resp: 3092
Ion Ratio Lower Upper
96 100
61 123.5 90.1 135.1
98 37.1 46.4 69.6#



#27
cis-1,2-Dichloroethene
Concen: 19.712 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

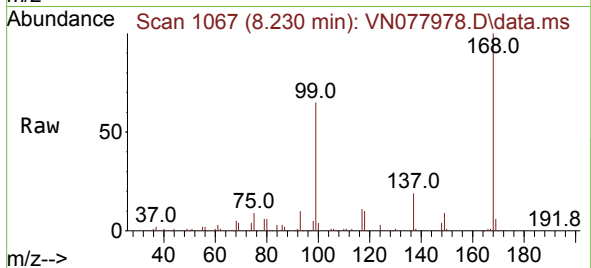
Tgt Ion: 96 Resp: 104775
Ion Ratio Lower Upper
96 100
61 123.6 0.0 255.2
98 65.1 0.0 128.8



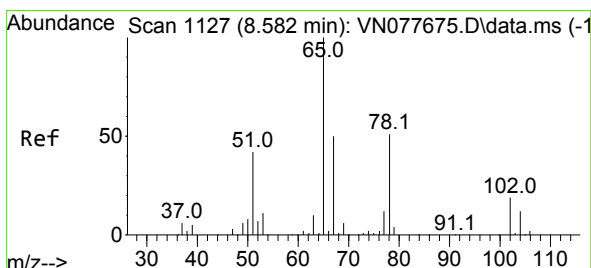
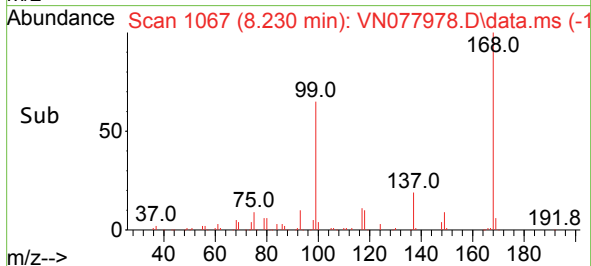
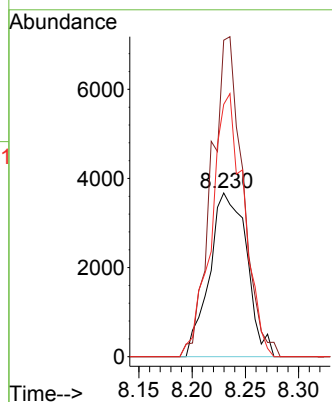


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

Instrument :
MSVOA_N
ClientSampleId :
MW25BR-20230523DL

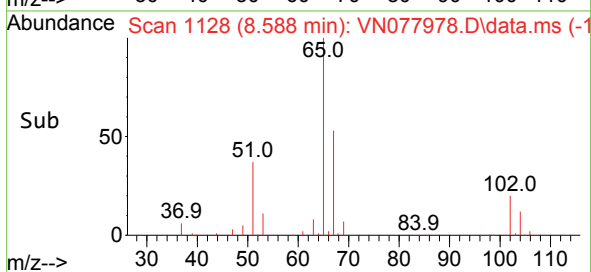
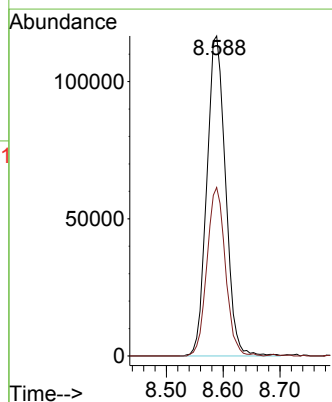
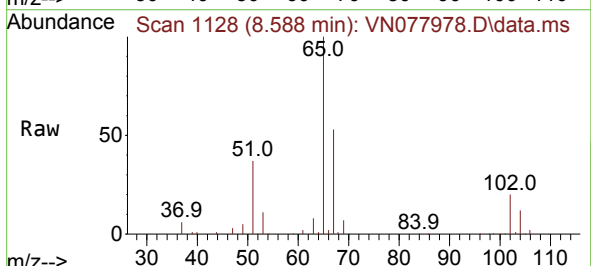


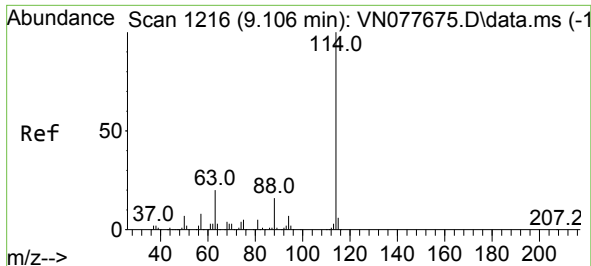
Tgt Ion: 56 Resp: 8917
Ion Ratio Lower Upper
56 100
69 193.4 26.8 40.2#
84 154.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.409 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

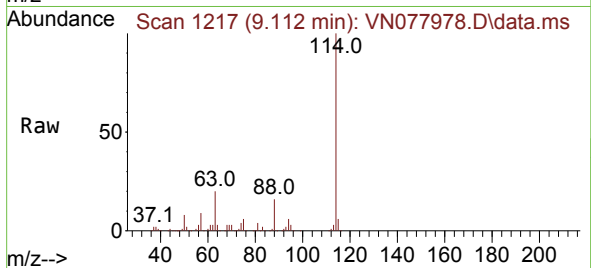
Tgt Ion: 65 Resp: 266163
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6



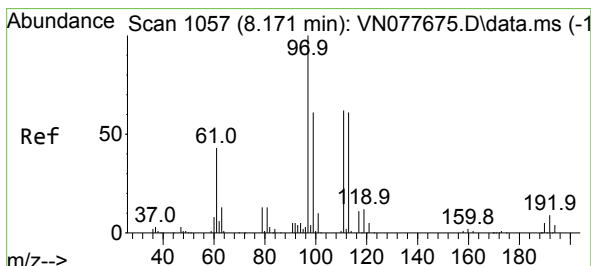
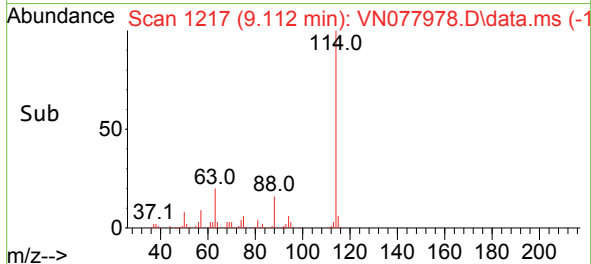
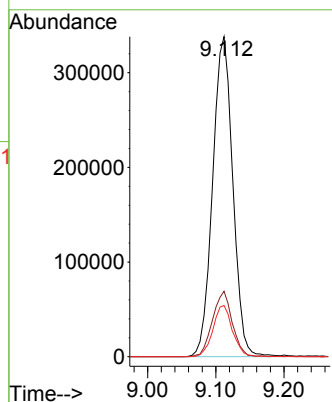


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

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MSVOA_N
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MW25BR-20230523DL

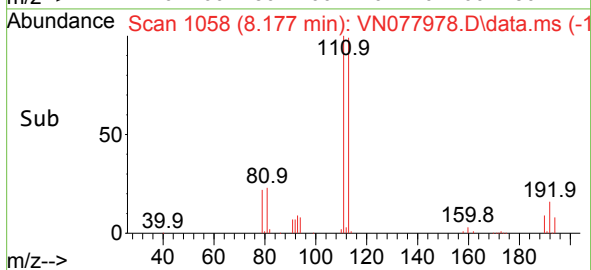
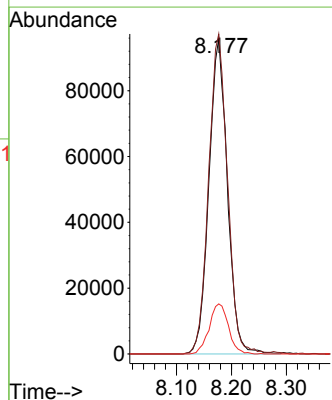
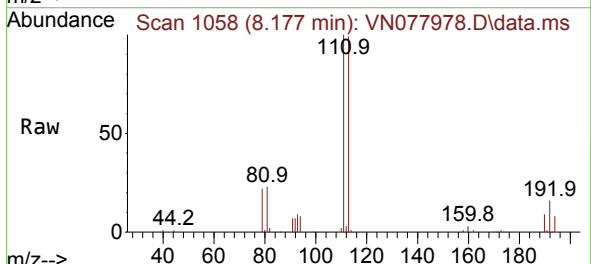


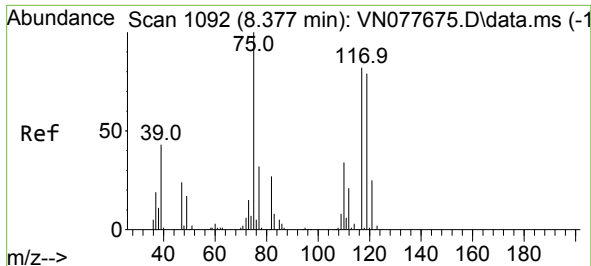
Tgt Ion:114 Resp: 697029
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.179 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

Tgt Ion:113 Resp: 223533
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.944 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077978.D

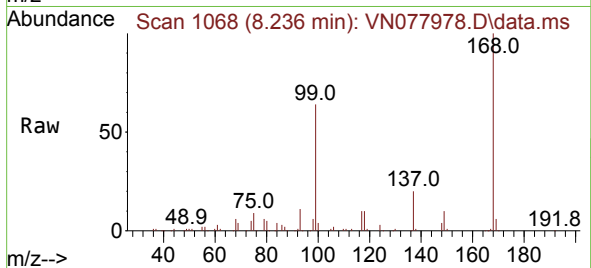
Acq: 30 May 2023 18:39

Instrument :

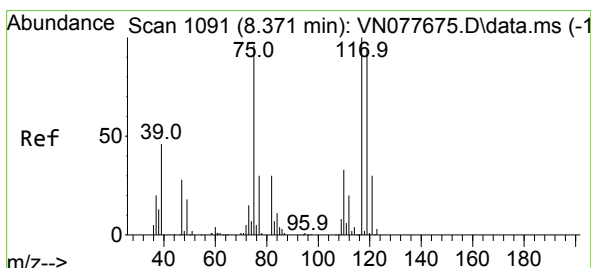
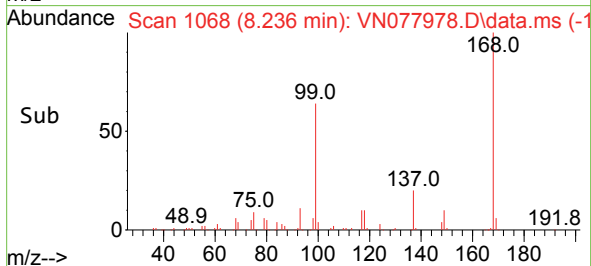
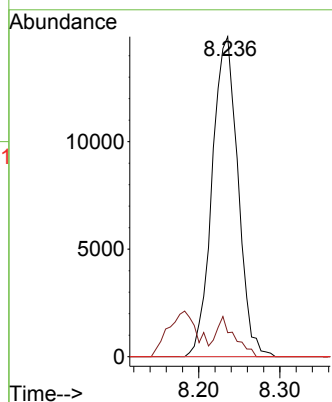
MSVOA_N

ClientSampleId :

MW25BR-20230523DL



Tgt Ion: 75	Resp: 32870
Ion Ratio	Lower Upper
75	100
110	9.0 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.142 ug/l

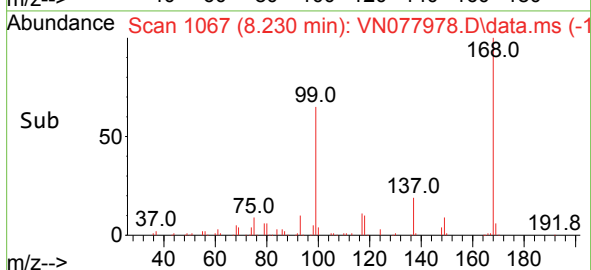
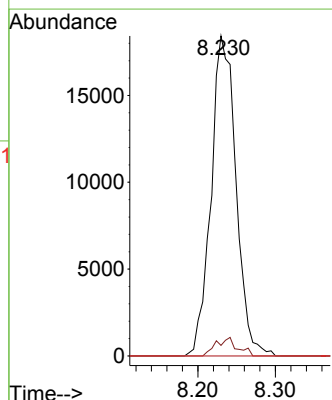
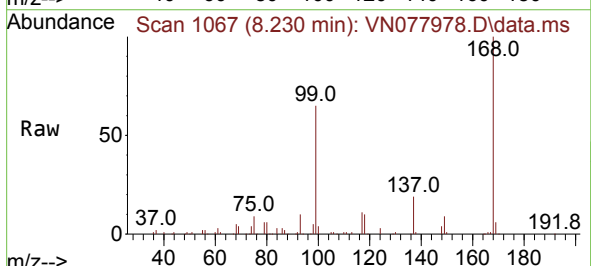
RT: 8.230 min Scan# 1067

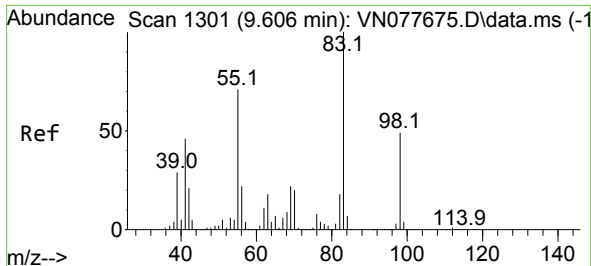
Delta R.T. -0.141 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Tgt Ion: 117	Resp: 41233
Ion Ratio	Lower Upper
117	100
119	3.3 77.3 115.9#
121	0.0 23.3 34.9#

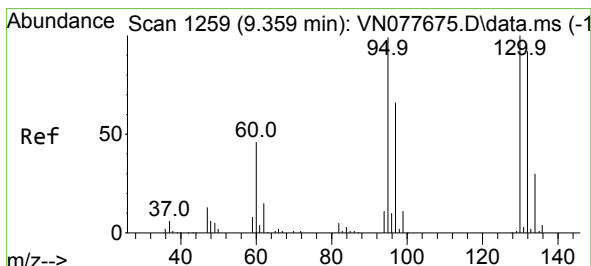
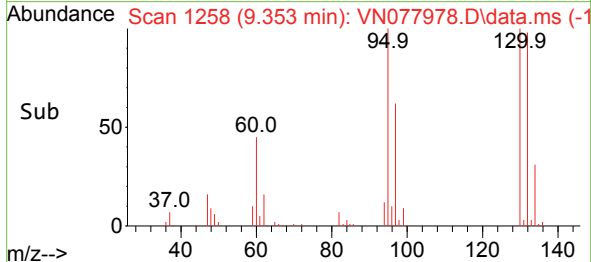
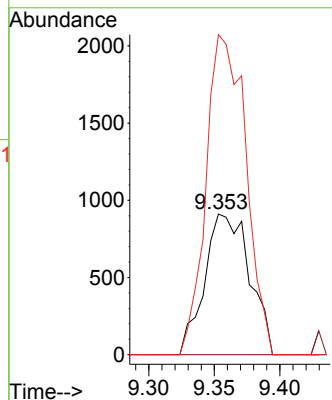
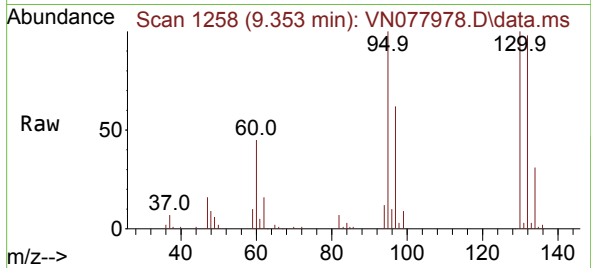




#39
Methylcyclohexane
Concen: 0.267 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

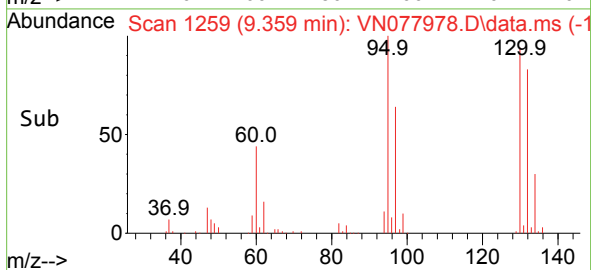
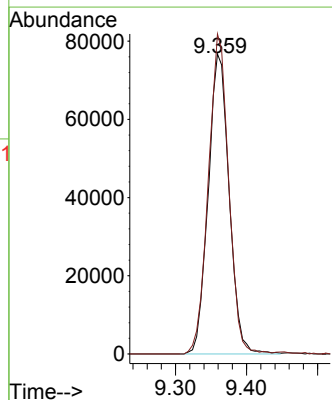
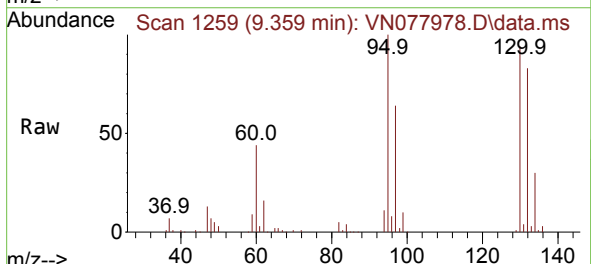
Instrument :
MSVOA_N
ClientSampleId :
MW25BR-20230523DL

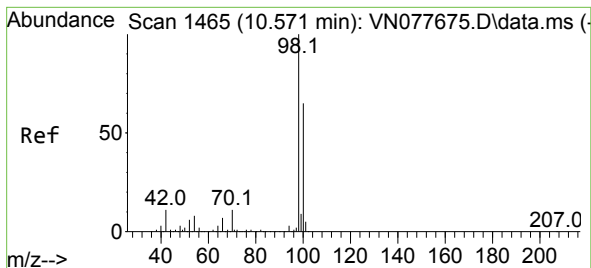
Tgt Ion: 83 Resp: 2175
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 227.6 40.6 61.0#



#44
Trichloroethene
Concen: 31.574 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

Tgt Ion:130 Resp: 156847
Ion Ratio Lower Upper
130 100
95 106.7 0.0 204.6





#50

Toluene-d8

Concen: 49.467 ug/l

RT: 10.577 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Instrument :

MSVOA_N

ClientSampleId :

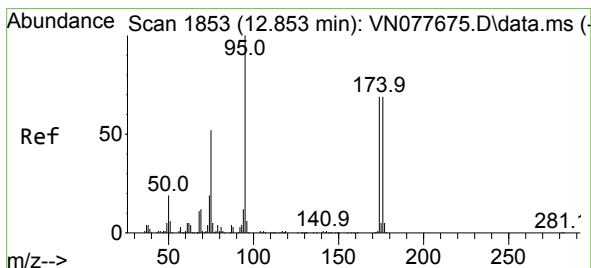
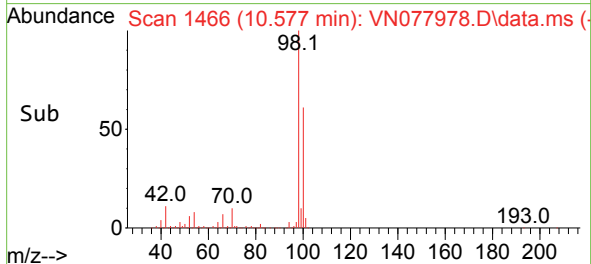
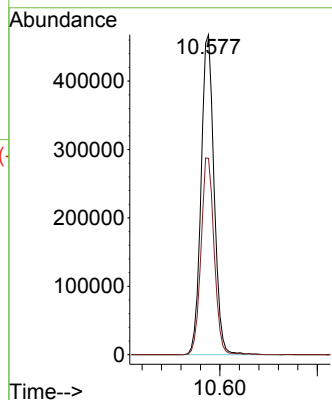
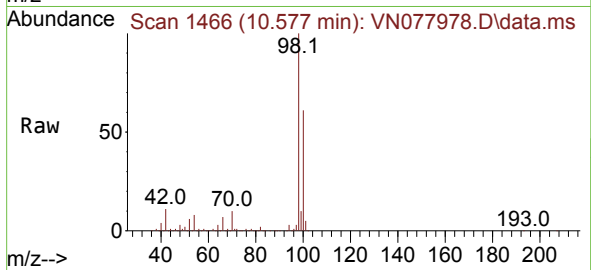
MW25BR-20230523DL

Tgt Ion: 98 Resp: 865426

Ion Ratio Lower Upper

98 100

100 62.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 45.252 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

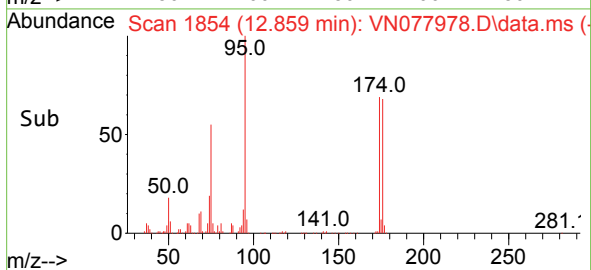
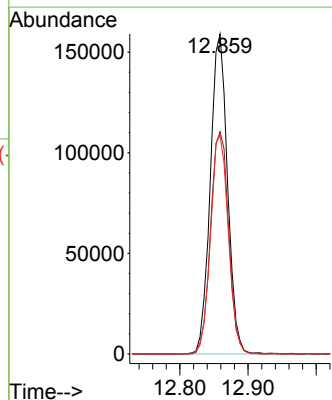
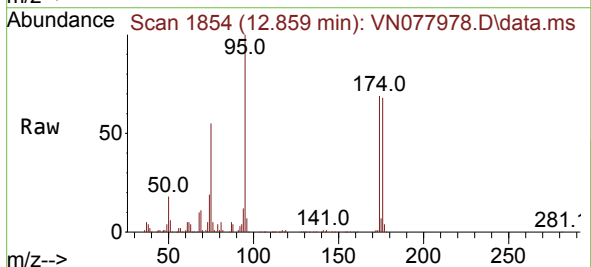
Tgt Ion: 95 Resp: 279609

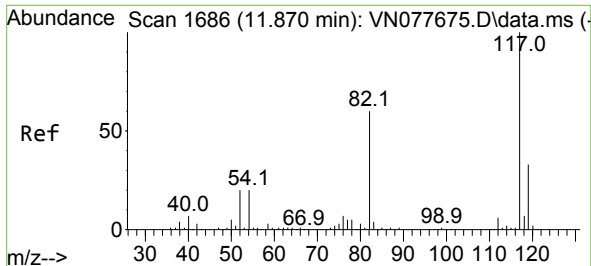
Ion Ratio Lower Upper

95 100

174 72.7 0.0 143.8

176 70.3 0.0 135.8

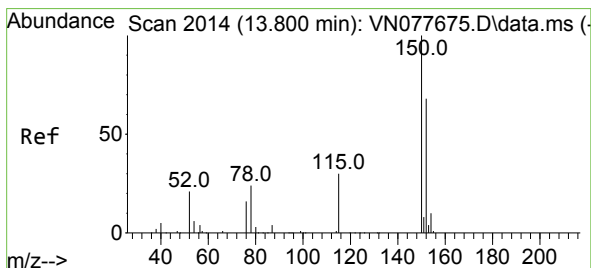
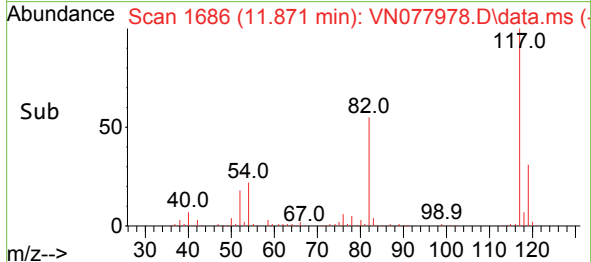
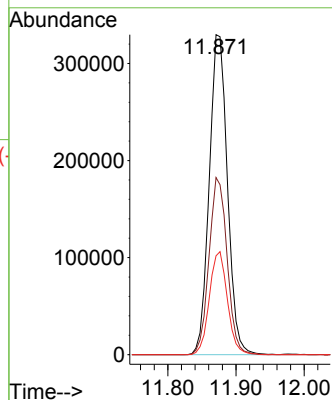
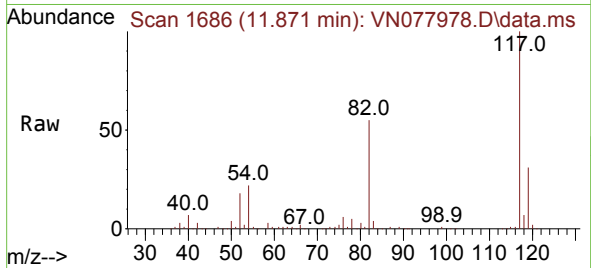




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

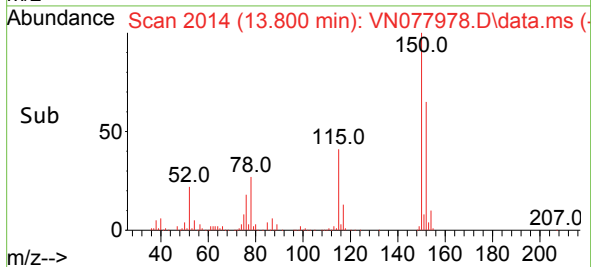
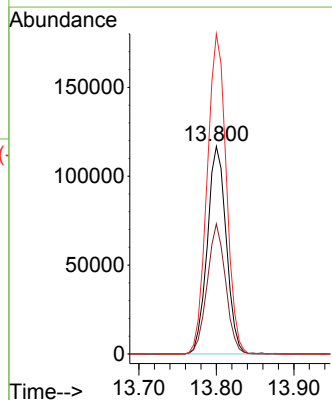
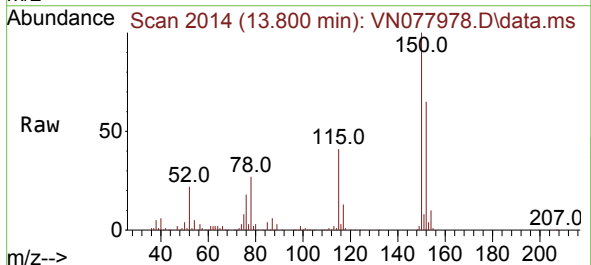
Instrument :
MSVOA_N
ClientSampleId :
MW25BR-20230523DL

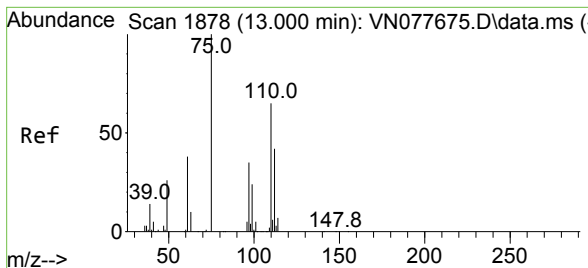
Tgt Ion:117 Resp: 611903
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 30.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077978.D
Acq: 30 May 2023 18:39

Tgt Ion:152 Resp: 197992
Ion Ratio Lower Upper
152 100
115 61.1 32.3 96.8
150 156.0 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 30.162 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Instrument :

MSVOA_N

ClientSampleId :

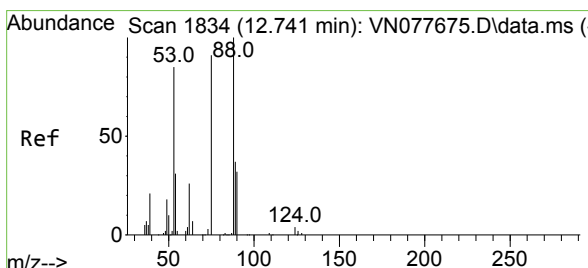
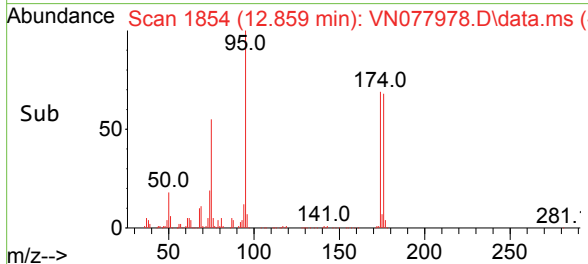
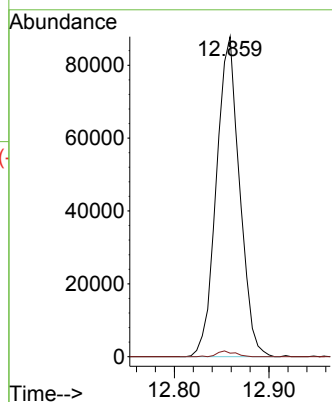
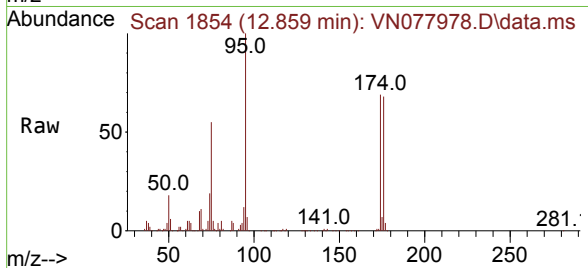
MW25BR-20230523DL

Tgt Ion: 75 Resp: 149558

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.415 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN077978.D

Acq: 30 May 2023 18:39

Tgt Ion: 75 Resp: 149558

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

