

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077964.D
 Acq On : 30 May 2023 13:03
 Operator : JC\MD
 Sample : 02898-03 400X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW24BR-20230522DL

Quant Time: May 31 02:06:21 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)

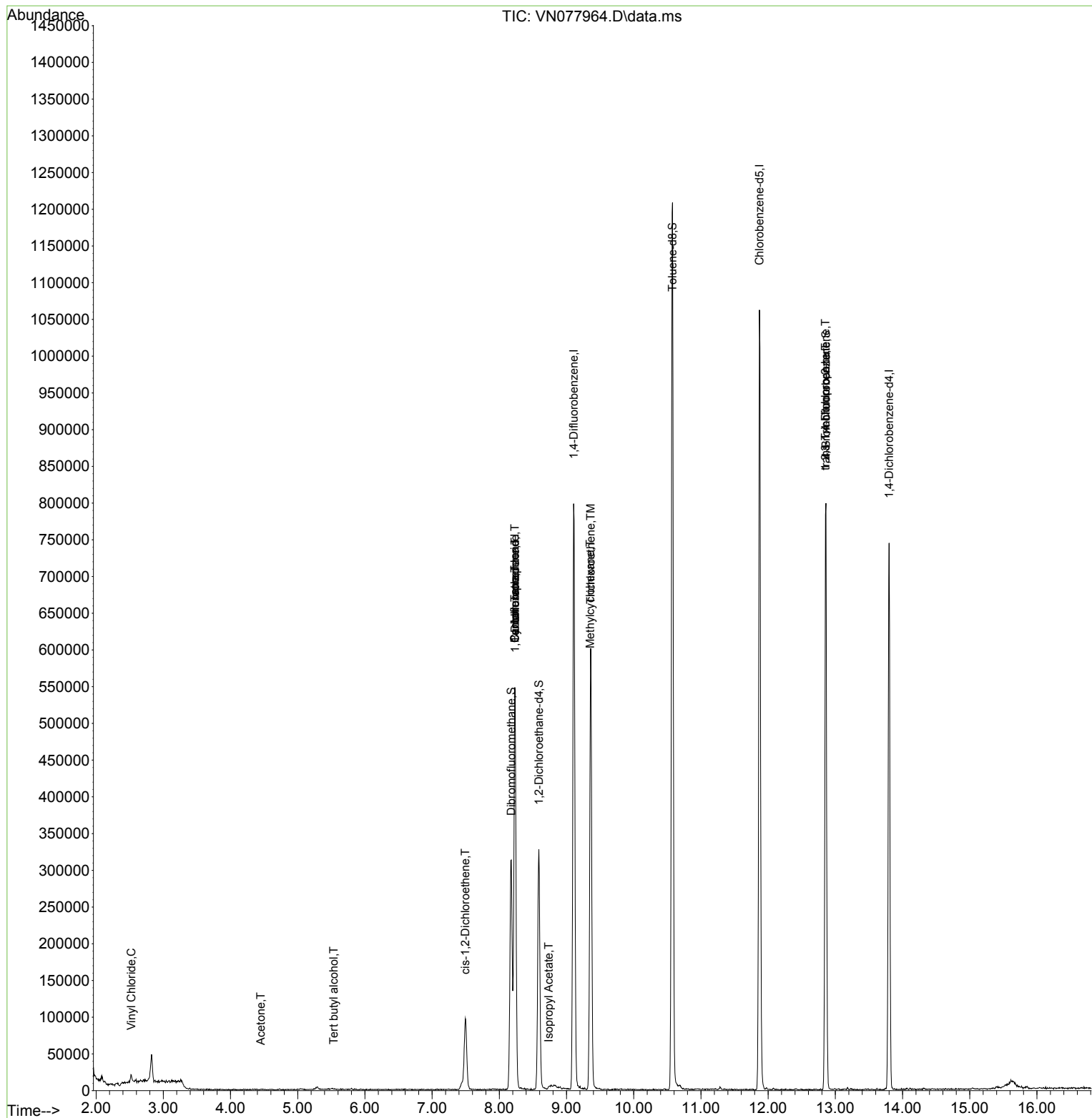
Internal Standards						
1) Pentafluorobenzene	8.230	168	385843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	710631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	638841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	204428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	269001	46.595	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.180%		
35) Dibromofluoromethane	8.177	113	232427	50.157	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.320%		
50) Toluene-d8	10.577	98	889246	49.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.720%		
62) 4-Bromofluorobenzene	12.859	95	289274	45.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.840%		
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1381	Below Cal	#	74
4) Vinyl Chloride	2.524	62	8665	1.565	ug/l	93
11) Tert butyl alcohol	5.536	59	217	0.272	ug/l #	72
13) Acrolein	4.189	56	125	Below Cal	#	1
16) Acetone	4.448	43	415	0.228	ug/l #	58
20) Methylene Chloride	5.295	84	1856	Below Cal	#	69
27) cis-1,2-Dichloroethene	7.494	96	58005	10.612	ug/l	99
31) Cyclohexane	8.230	56	9169	1.169	ug/l #	65
36) 1,1-Dichloropropene	8.236	75	33115	4.886	ug/l #	50
38) Carbon Tetrachloride	8.230	117	43780	6.397	ug/l #	15
39) Methylcyclohexane	9.353	83	3345	0.403	ug/l #	1
43) Isopropyl Acetate	8.736	43	1993	0.202	ug/l #	49
44) Trichloroethene	9.359	130	216844	42.817	ug/l	99
76) 1,2,3-Trichloropropane	12.853	75	152966	29.878	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152966	95.507	ug/l #	15

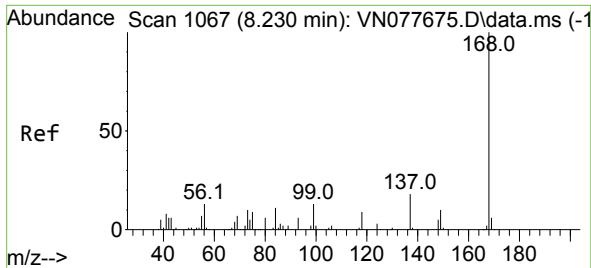
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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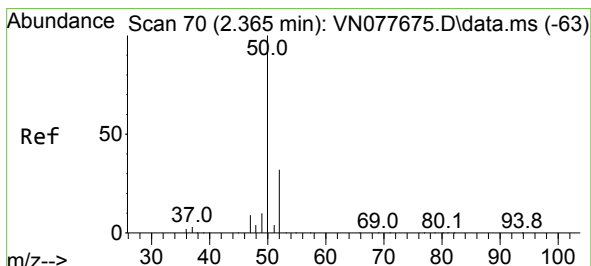
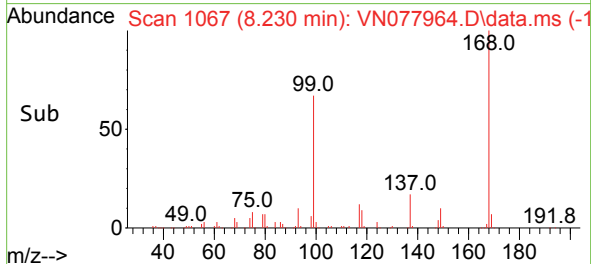
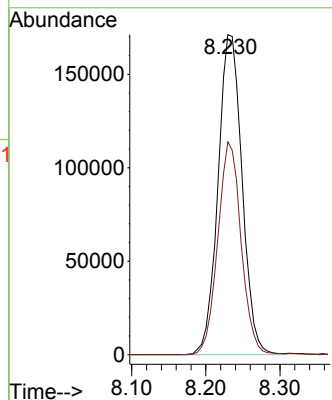
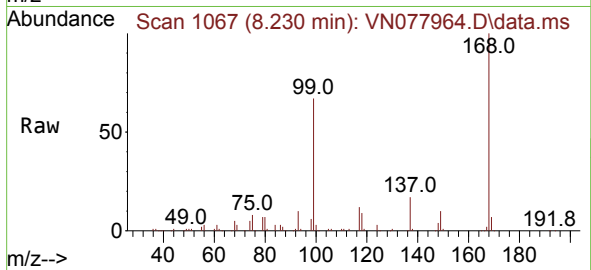




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

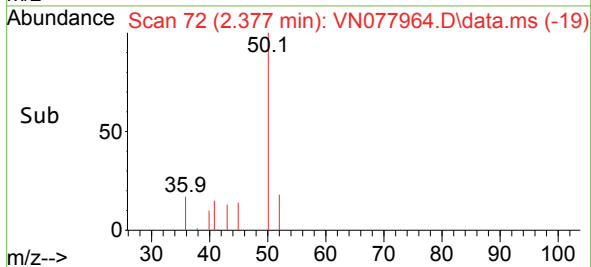
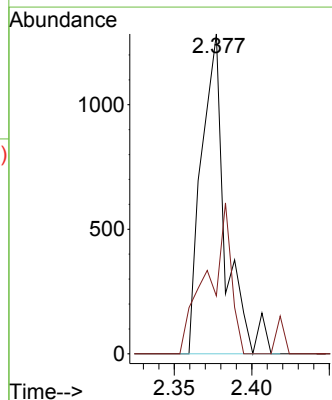
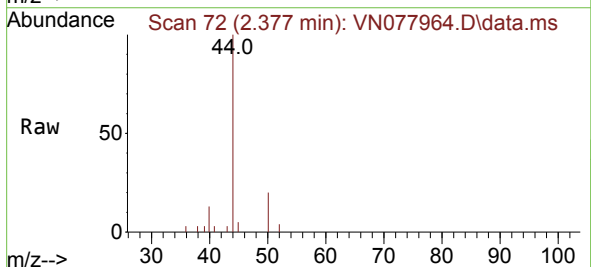
Instrument :
MSVOA_N
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MW24BR-20230522DL

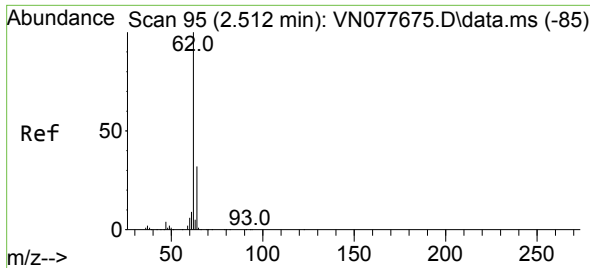
Tgt Ion:168 Resp: 385843
Ion Ratio Lower Upper
168 100
99 66.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

Tgt Ion: 50 Resp: 1381
Ion Ratio Lower Upper
50 100
52 18.1 26.5 39.7#

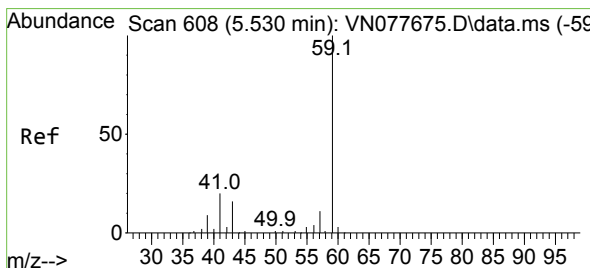
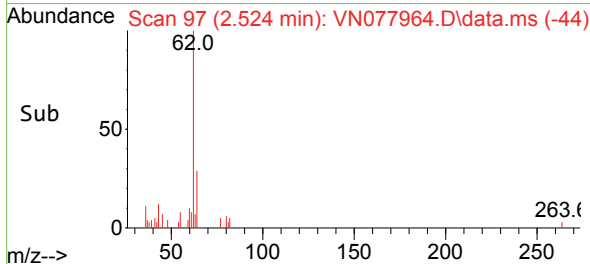
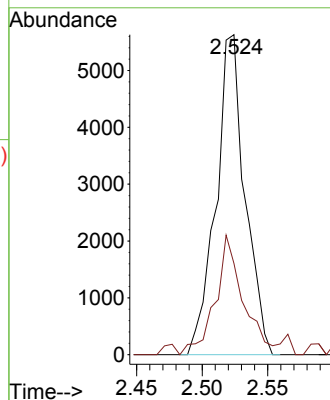
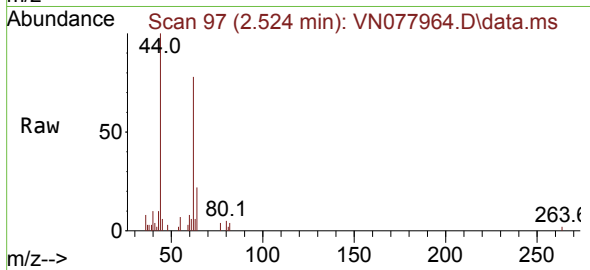




#4
 Vinyl Chloride
 Concen: 1.565 ug/l
 RT: 2.524 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VN077964.D
 Acq: 30 May 2023 13:03

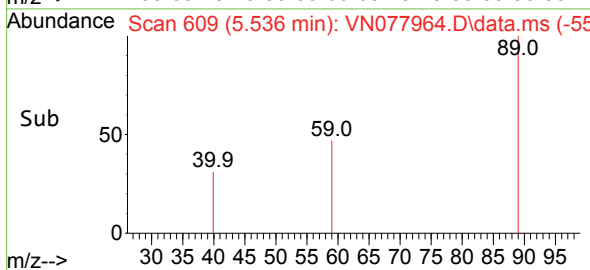
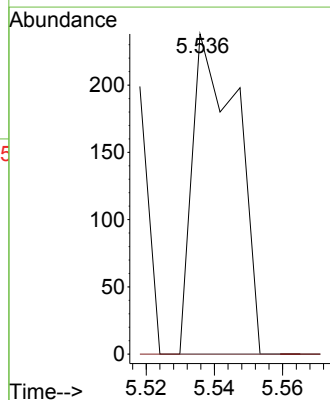
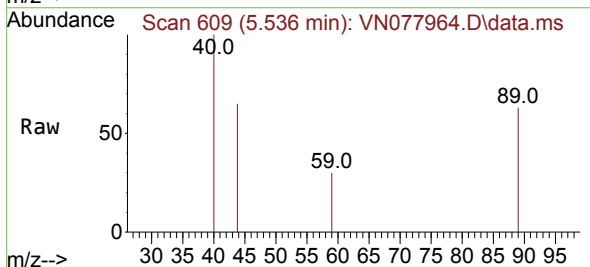
Instrument :
 MSVOA_N
 ClientSampleId :
 MW24BR-20230522DL

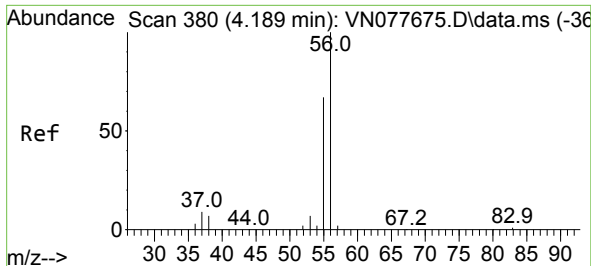
Tgt Ion: 62 Resp: 8665
 Ion Ratio Lower Upper
 62 100
 64 28.5 26.2 39.2



#11
 Tert butyl alcohol
 Concen: 0.272 ug/l
 RT: 5.536 min Scan# 609
 Delta R.T. 0.006 min
 Lab File: VN077964.D
 Acq: 30 May 2023 13:03

Tgt Ion: 59 Resp: 217
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

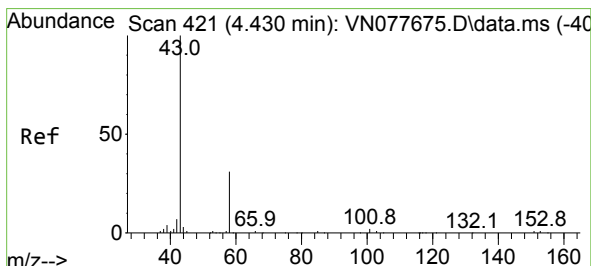
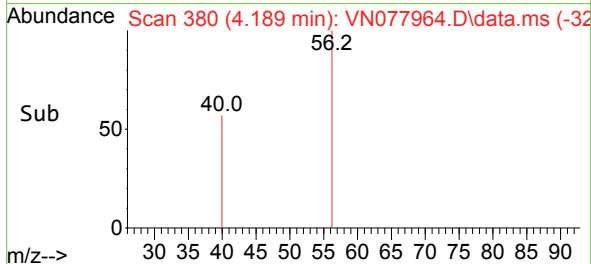
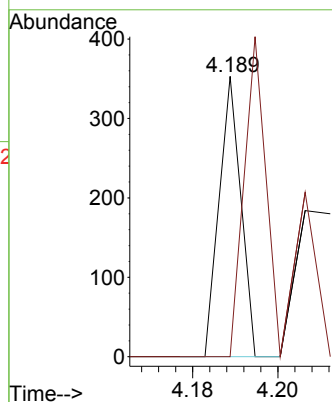
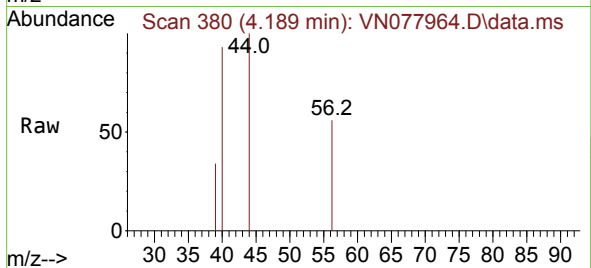




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

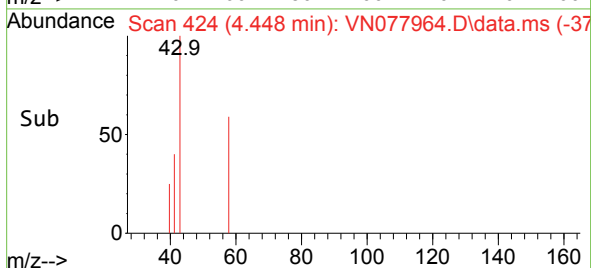
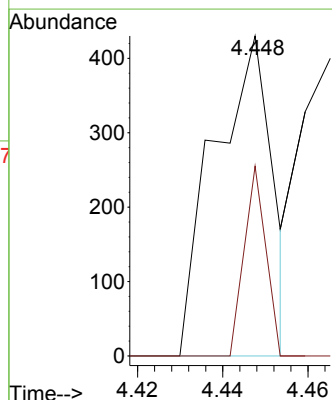
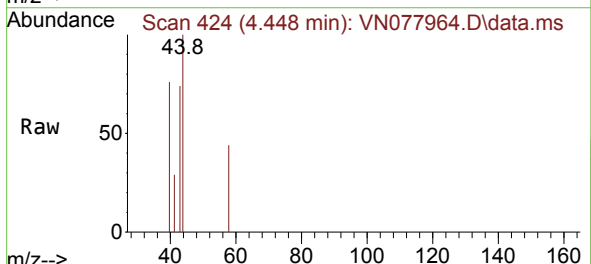
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522DL

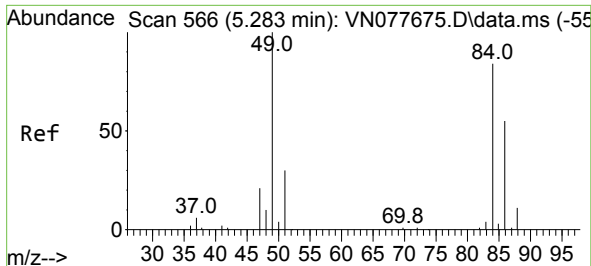
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 172.0 54.5 81.7#



#16
Acetone
Concen: 0.228 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

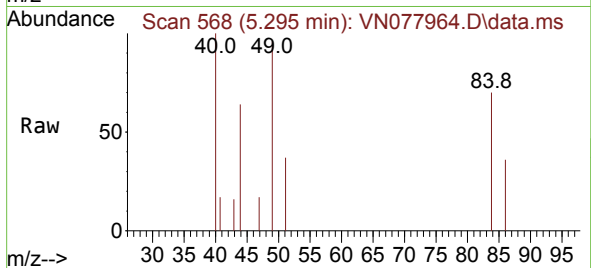
Tgt Ion: 43 Resp: 415
Ion Ratio Lower Upper
43 100
58 59.3 28.0 42.0#



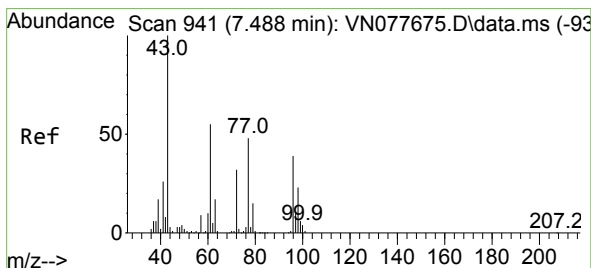
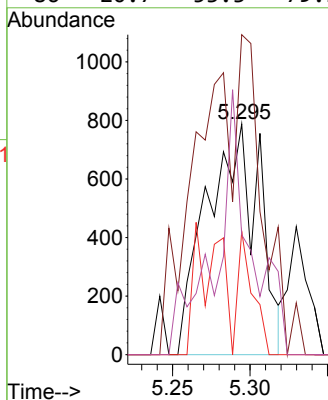
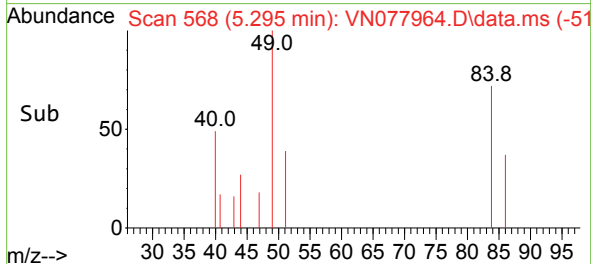


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

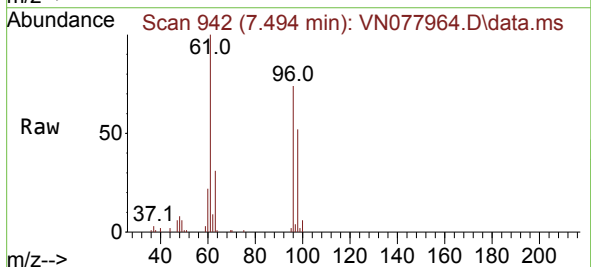
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522DL



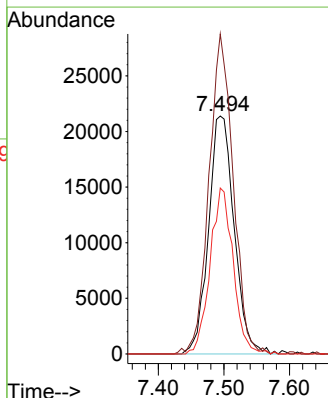
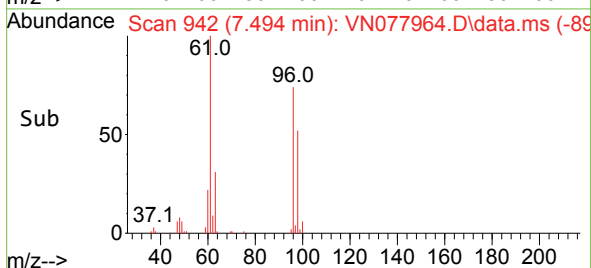
Tgt Ion: 84 Resp: 1856
Ion Ratio Lower Upper
84 100
49 111.0 79.7 119.5
51 53.4 25.2 37.8#
86 20.7 53.3 79.9#

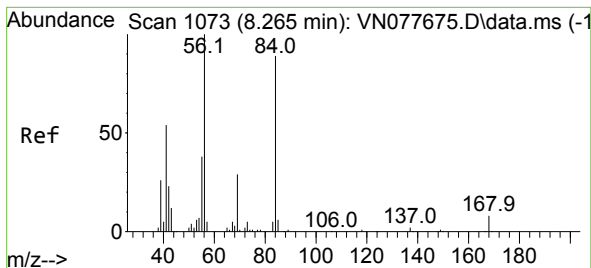


#27
cis-1,2-Dichloroethene
Concen: 10.612 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03



Tgt Ion: 96 Resp: 58005
Ion Ratio Lower Upper
96 100
61 126.9 0.0 255.2
98 63.0 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: VN077964.D

Acq: 30 May 2023 13:03

Instrument :

MSVOA_N

ClientSampleId :

MW24BR-20230522DL

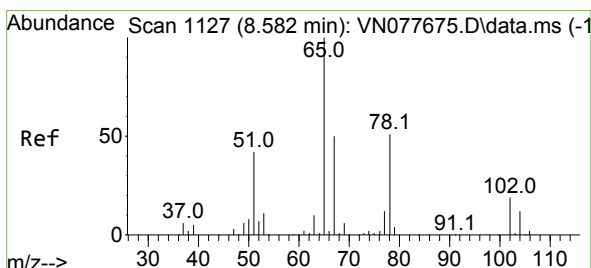
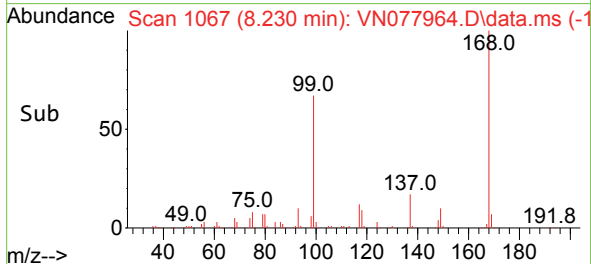
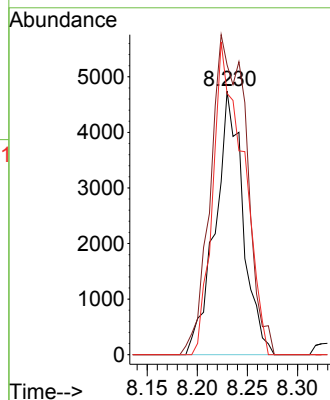
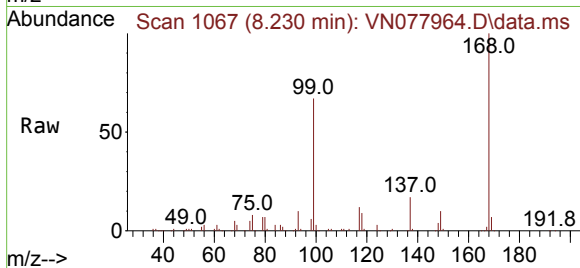
Tgt Ion: 56 Resp: 9169

Ion Ratio Lower Upper

56 100

69 110.0 26.8 40.2#

84 99.1 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 46.595 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077964.D

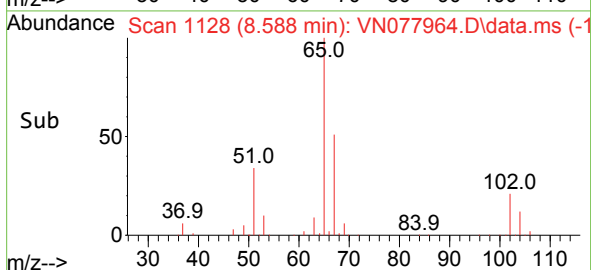
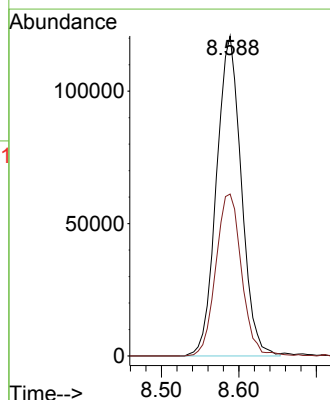
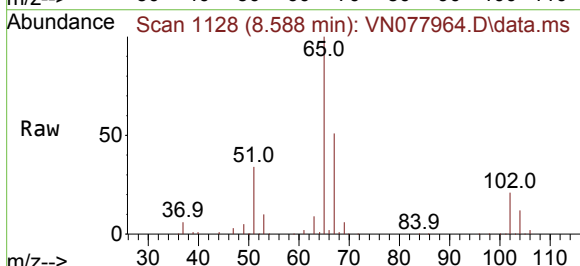
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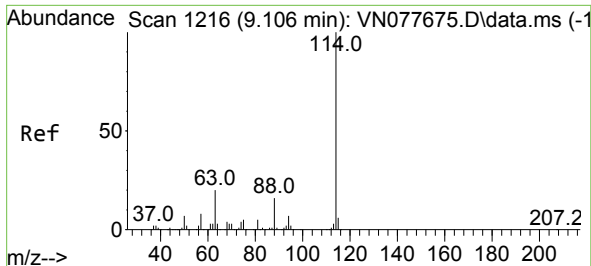
Tgt Ion: 65 Resp: 269001

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6

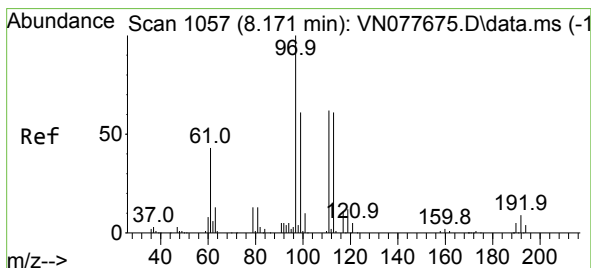
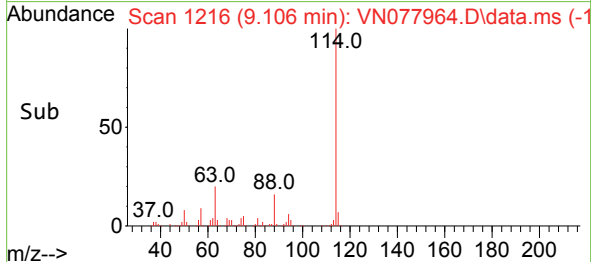
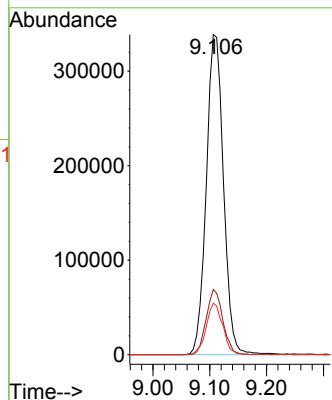
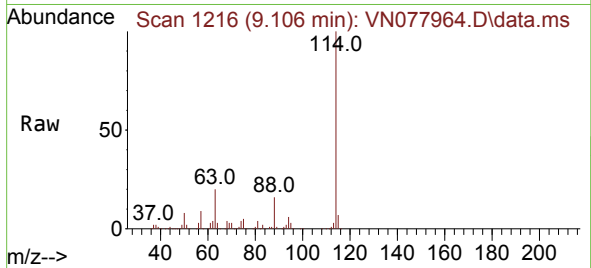




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

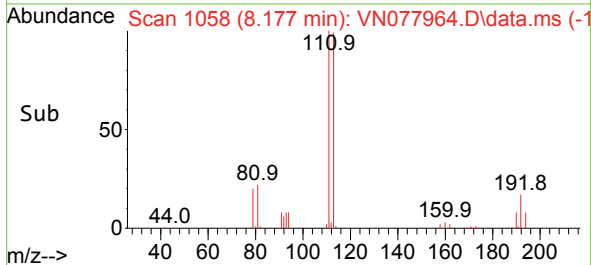
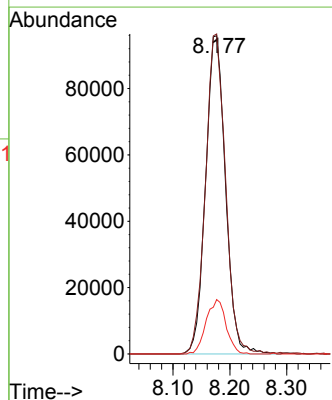
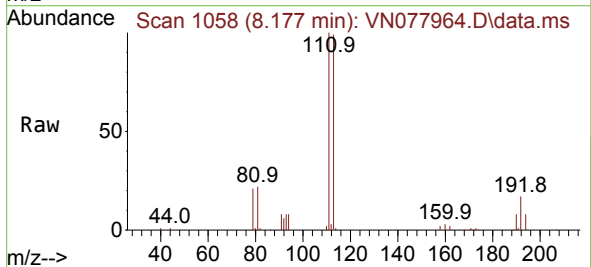
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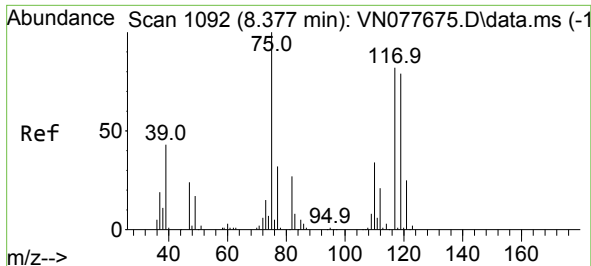
Tgt Ion:114 Resp: 710631
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.4
88 16.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.157 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

Tgt Ion:113 Resp: 232427
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.886 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077964.D

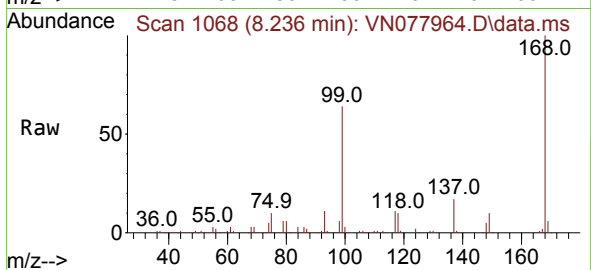
Acq: 30 May 2023 13:03

Instrument :

MSVOA_N

ClientSampleId :

MW24BR-20230522DL



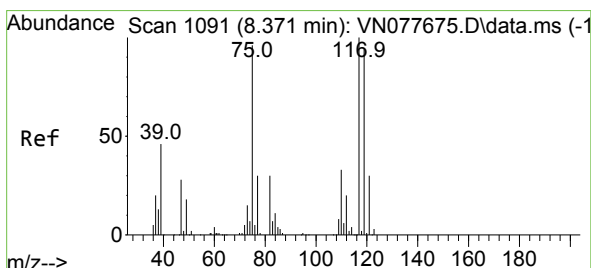
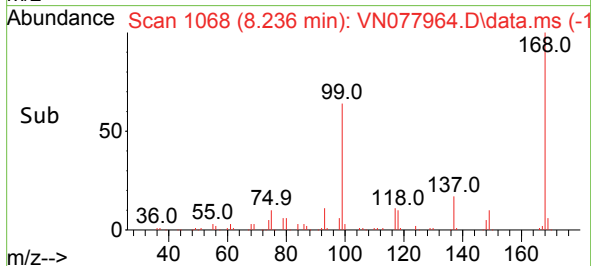
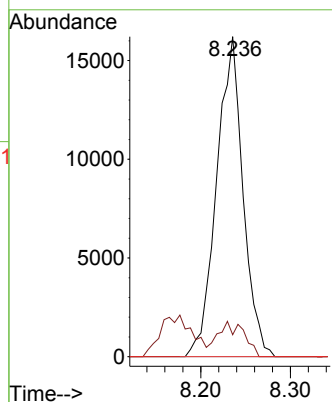
Tgt Ion: 75 Resp: 33115

Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.397 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077964.D

Acq: 30 May 2023 13:03

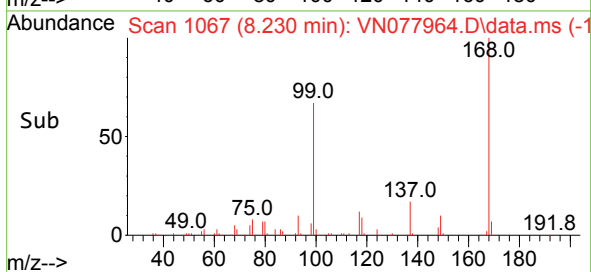
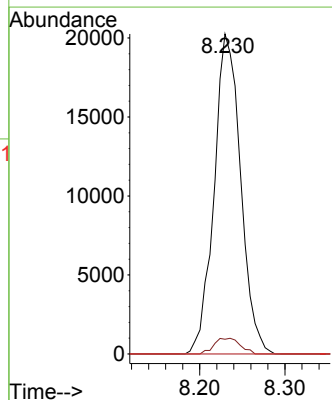
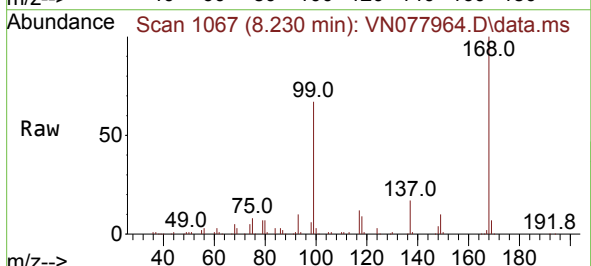
Tgt Ion: 117 Resp: 43780

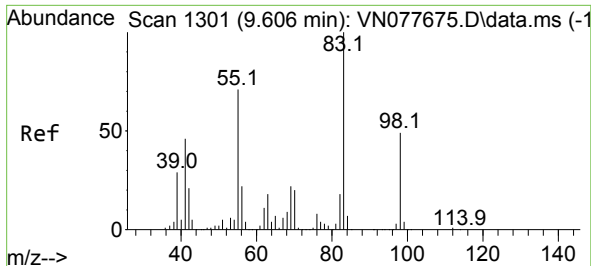
Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 23.3 34.9#

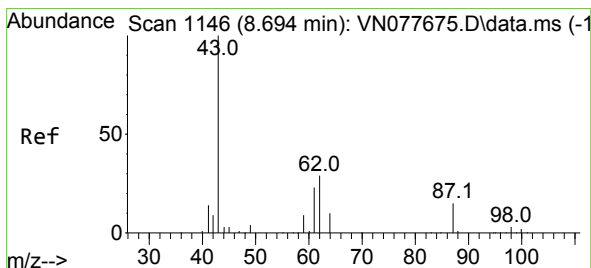
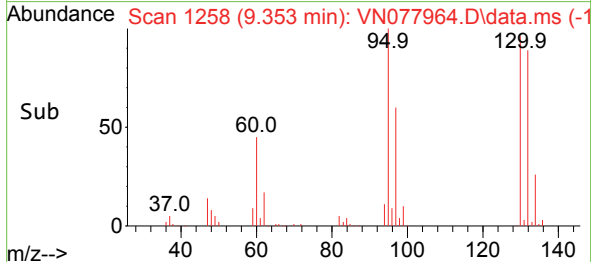
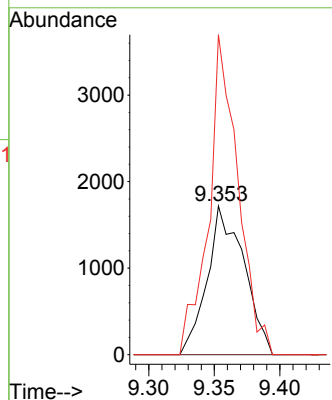
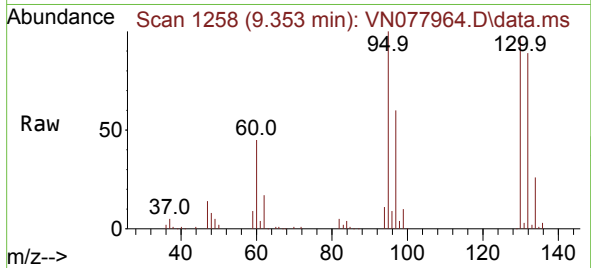




#39
Methylcyclohexane
Concen: 0.403 ug/l
RT: 9.353 min Scan# 1153
Delta R.T. -0.253 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

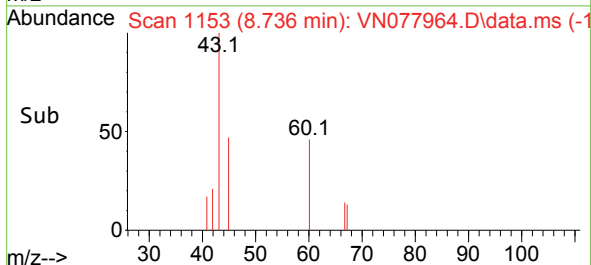
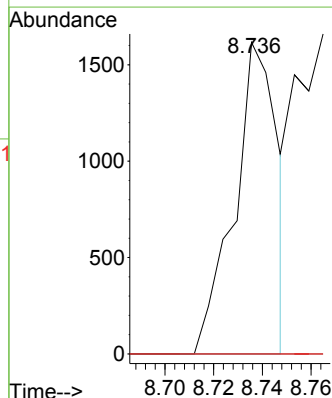
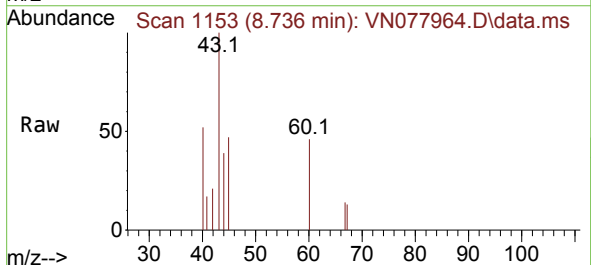
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522DL

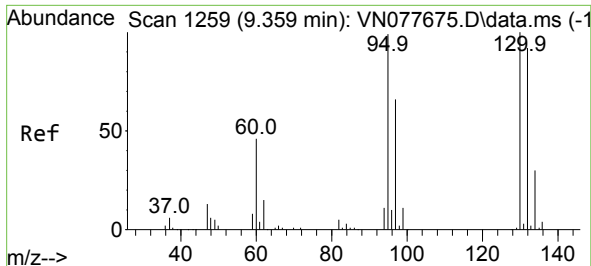
Tgt Ion: 83 Resp: 3345
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 215.4 40.6 61.0#



#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 8.736 min Scan# 1153
Delta R.T. 0.042 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

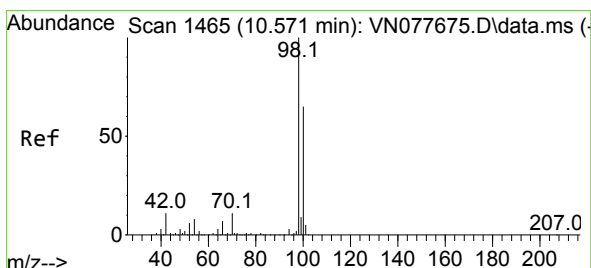
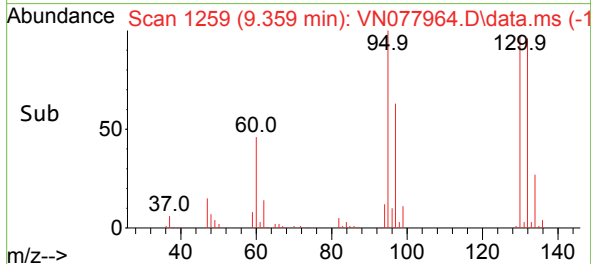
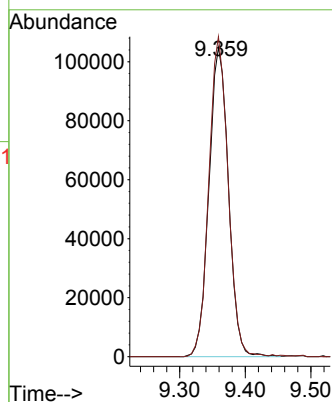
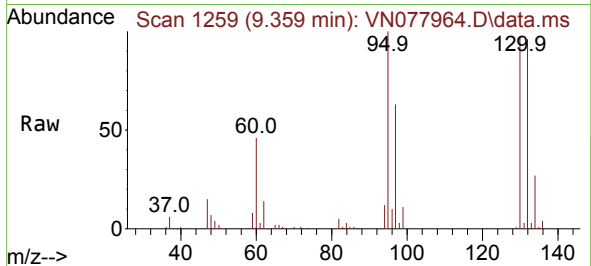




#44
Trichloroethene
Concen: 42.817 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

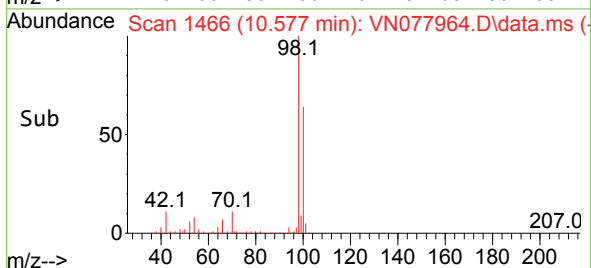
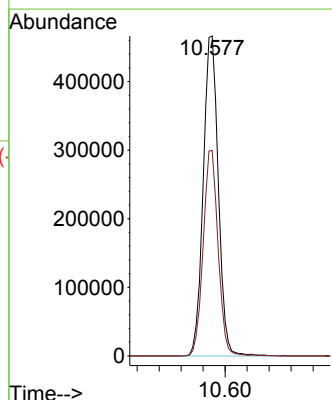
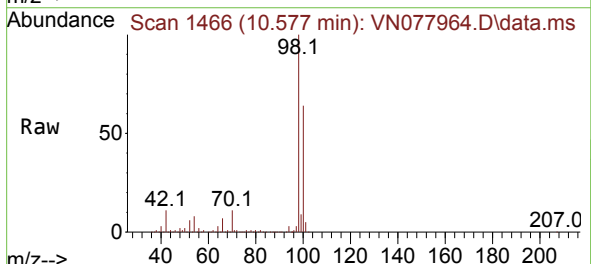
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522DL

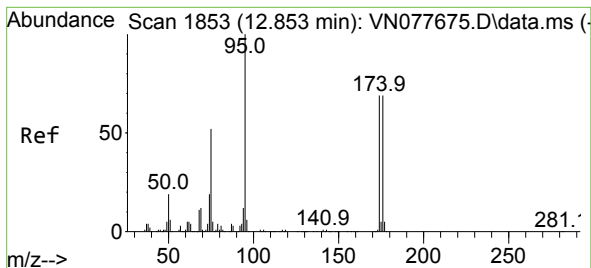
Tgt Ion:130 Resp: 216844
Ion Ratio Lower Upper
130 100
95 103.5 0.0 204.6



#50
Toluene-d8
Concen: 49.856 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077964.D
Acq: 30 May 2023 13:03

Tgt Ion: 98 Resp: 889246
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 45.921 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077964.D

Acq: 30 May 2023 13:03

Instrument :

MSVOA_N

ClientSampleId :

MW24BR-20230522DL

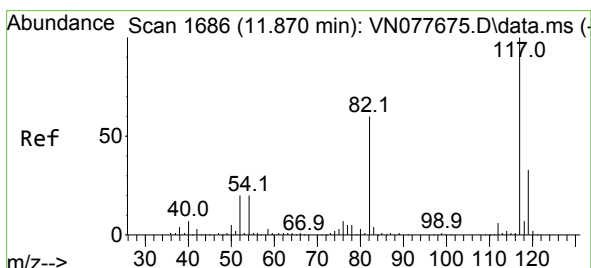
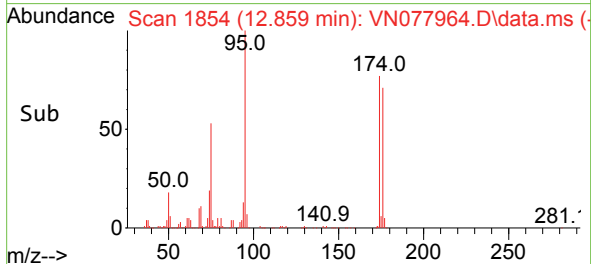
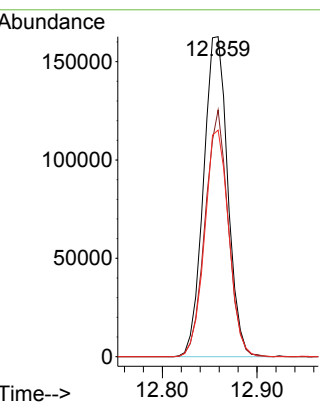
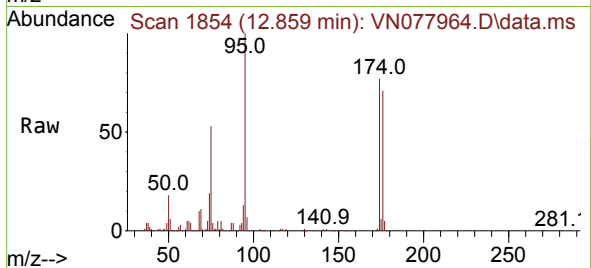
Tgt Ion: 95 Resp: 289274

Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.8

176 70.7 0.0 135.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VN077964.D

Acq: 30 May 2023 13:03

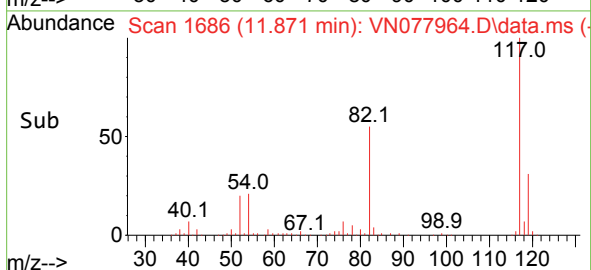
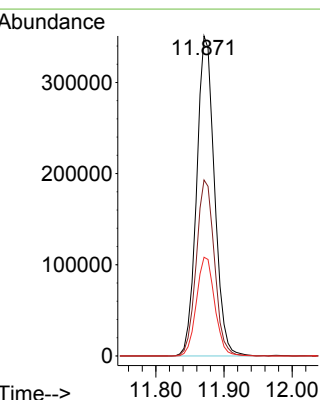
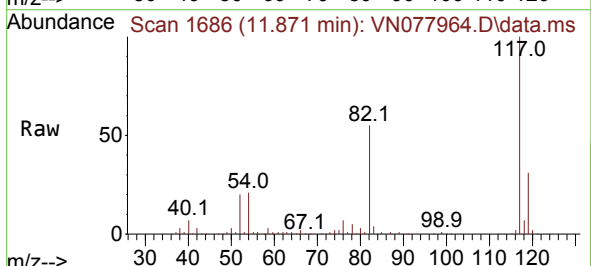
Tgt Ion: 117 Resp: 638841

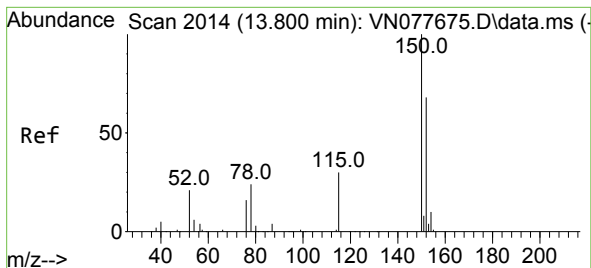
Ion Ratio Lower Upper

117 100

82 55.0 44.0 66.0

119 30.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN077964.D

Acq: 30 May 2023 13:03

Instrument :

MSVOA_N

ClientSampleId :

MW24BR-20230522DL

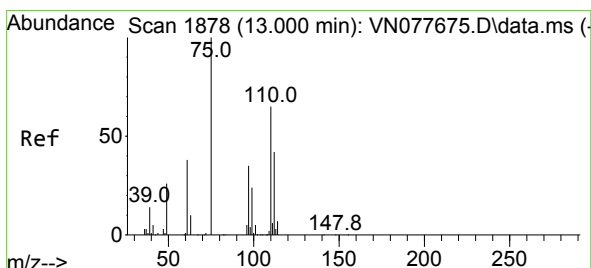
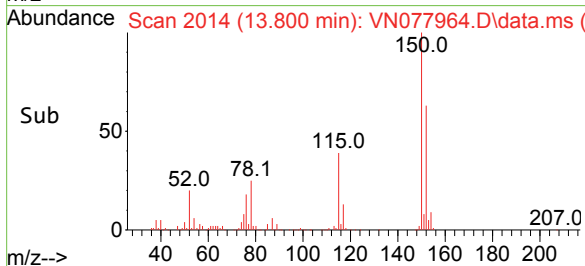
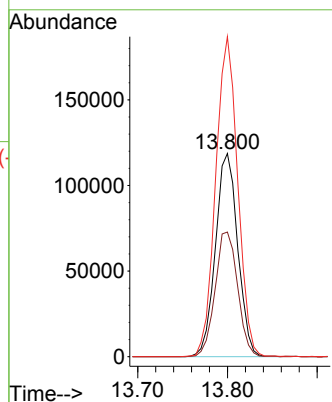
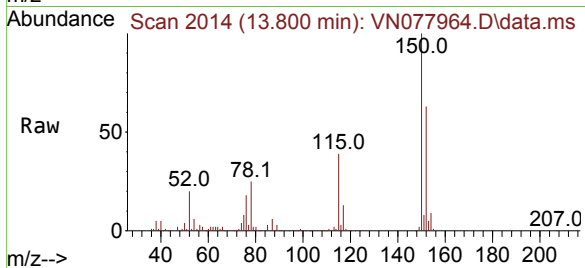
Tgt Ion:152 Resp: 204428

Ion Ratio Lower Upper

152 100

115 62.1 32.3 96.8

150 155.9 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 29.878 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN077964.D

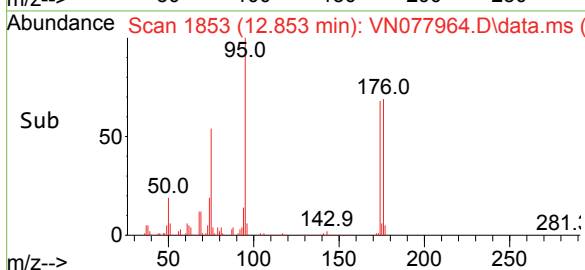
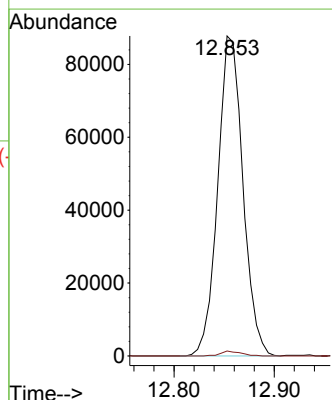
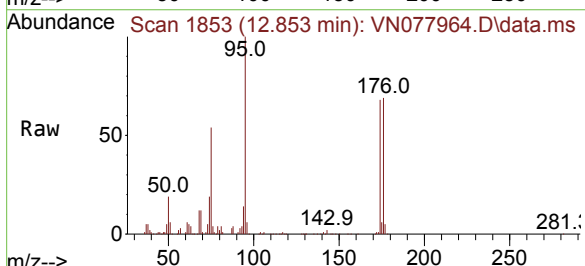
Acq: 30 May 2023 13:03

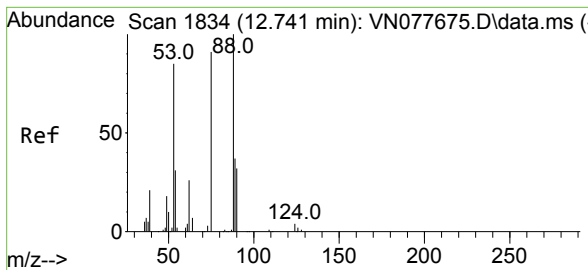
Tgt Ion: 75 Resp: 152966

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.507 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077964.D
 Acq: 30 May 2023 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 MW24BR-20230522DL

Tgt Ion: 75 Resp: 152966
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

