

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012423\
 Data File : VN076380.D
 Acq On : 24 Jan 2023 14:17
 Operator : JC\MD
 Sample : 01280-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 22-MW-3S

Quant Time: Jan 25 00:39:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

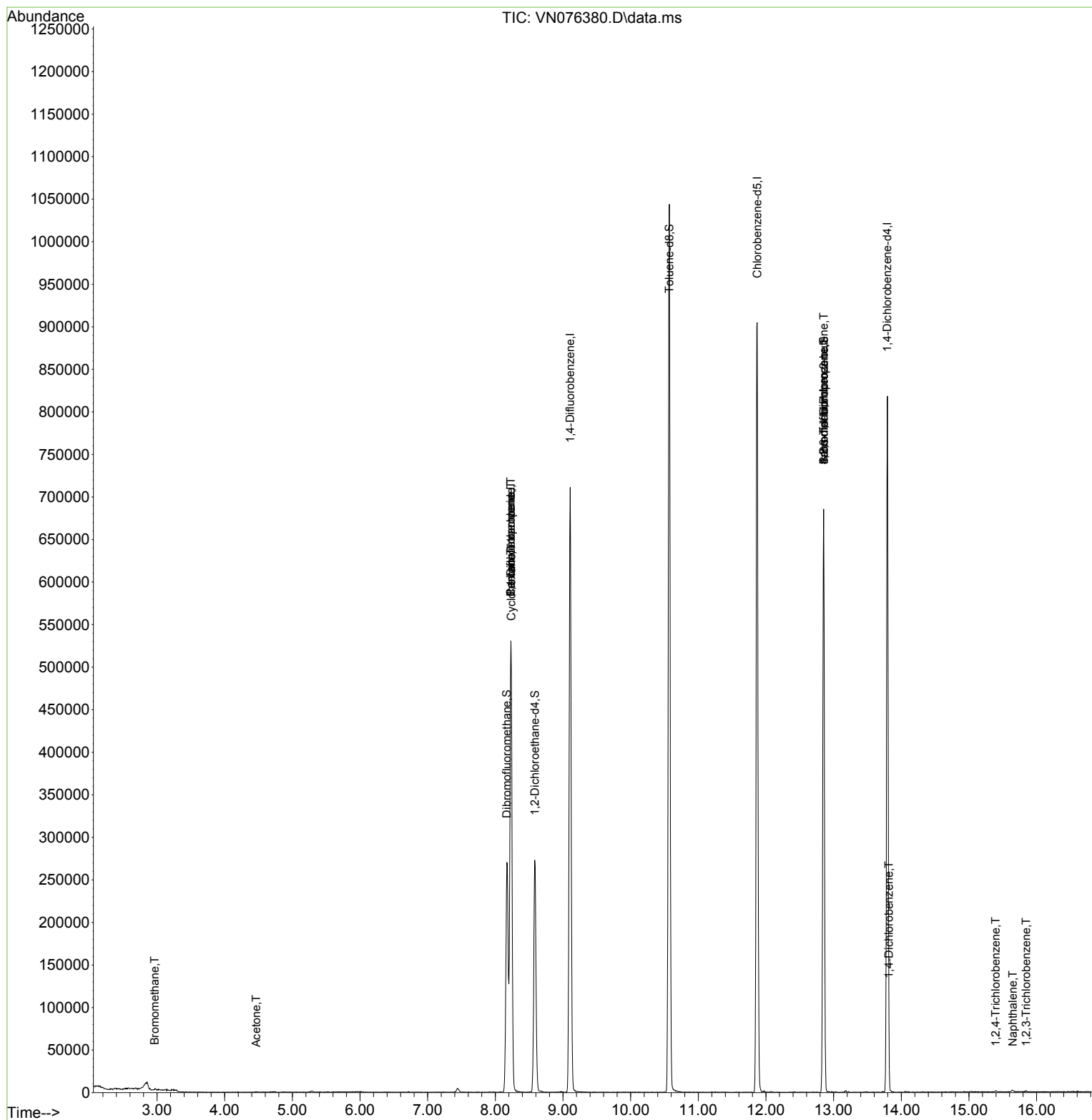
Internal Standards						
1) Pentafluorobenzene	8.230	168	403734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	640568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	547089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	227118	50.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.480%	
35) Dibromofluoromethane	8.171	113	196087	48.936	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.880%	
50) Toluene-d8	10.571	98	739035	49.940	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.880%	
62) 4-Bromofluorobenzene	12.853	95	227406	47.072	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	978	0.227	ug/l #	44
16) Acetone	4.465	43	762	0.452	ug/l #	41
20) Methylene Chloride	5.283	84	1002	Below Cal	#	68
31) Cyclohexane	8.235	56	8798	1.267	ug/l #	52
36) 1,1-Dichloropropene	8.230	75	30304	5.322	ug/l #	50
38) Carbon Tetrachloride	8.230	117	40099	6.315	ug/l #	17
71) Bromoform	12.853	173	1827	0.588	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	120219	29.603	ug/l #	1
77) Bromobenzene	12.982	156	55	Below Cal	#	53
81) trans-1,4-Dichloro-2-b...	12.853	75	120219	90.902	ug/l #	11
88) 1,4-Dichlorobenzene	13.817	146	966	0.228	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.394	180	582	1.452	ug/l #	80
95) Naphthalene	15.647	128	3021	2.093	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.847	180	368	1.252	ug/l	77

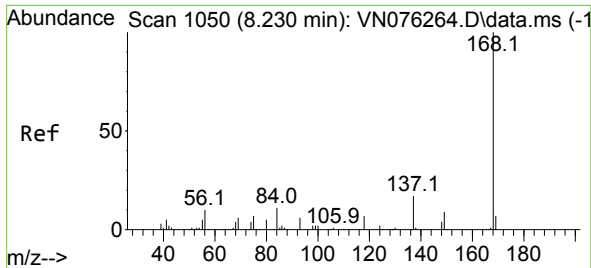
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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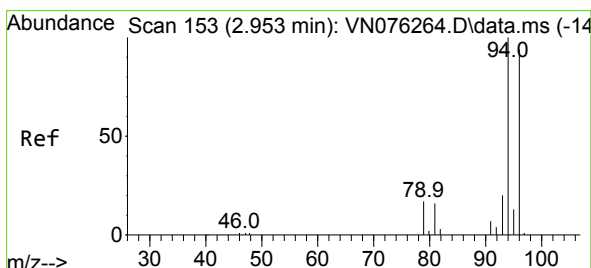
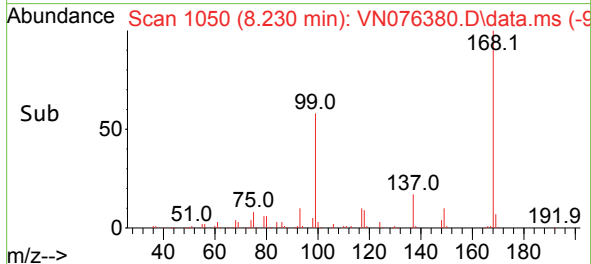
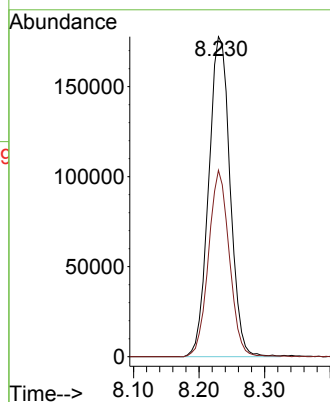
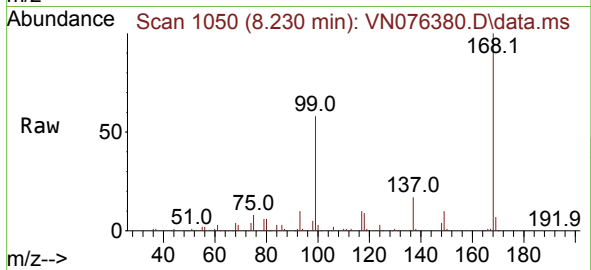




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

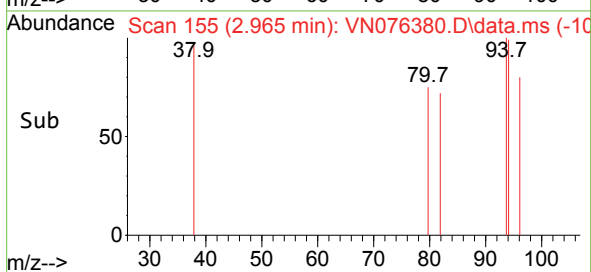
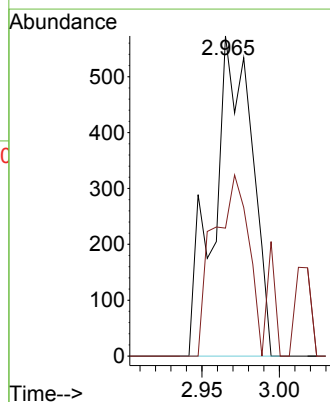
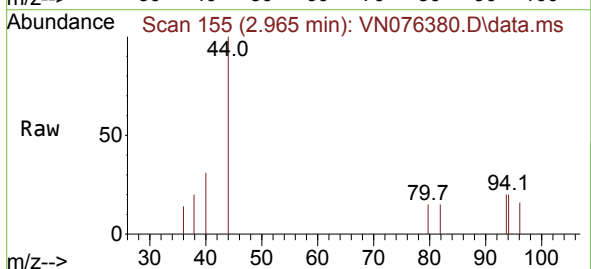
Instrument :
MSVOA_N
ClientSampleId :
22-MW-3S

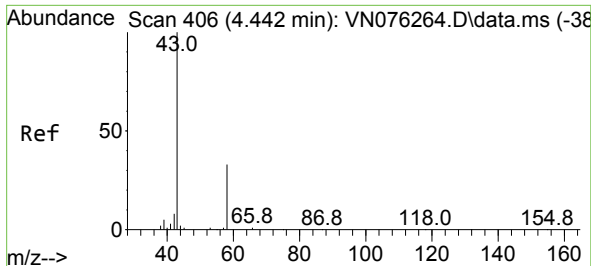
Tgt Ion:168 Resp: 403734
Ion Ratio Lower Upper
168 100
99 58.2 41.6 62.4



#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.965 min Scan# 155
Delta R.T. 0.012 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

Tgt Ion: 94 Resp: 978
Ion Ratio Lower Upper
94 100
96 40.0 75.1 112.7#





#16

Acetone

Concen: 0.452 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.023 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

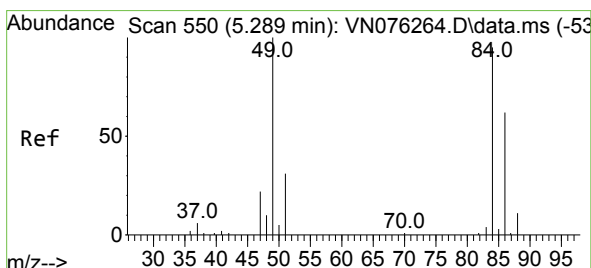
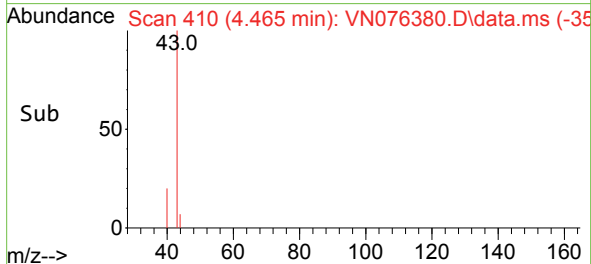
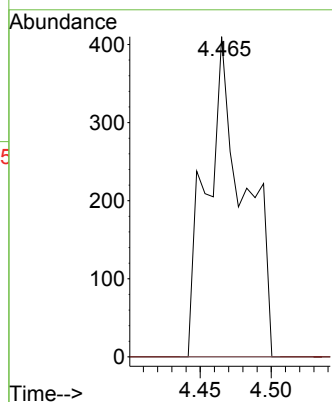
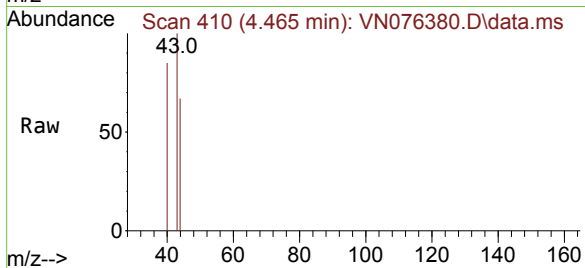
22-MW-3S

Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

Tgt Ion: 84 Resp: 1002

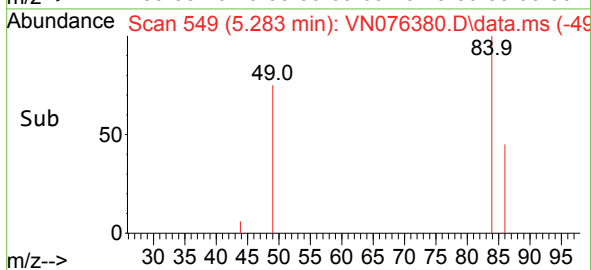
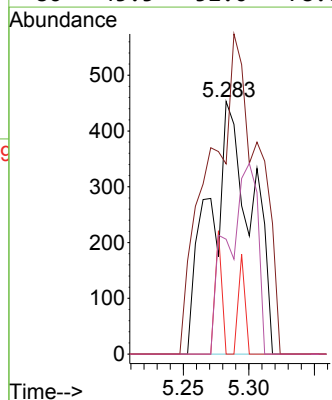
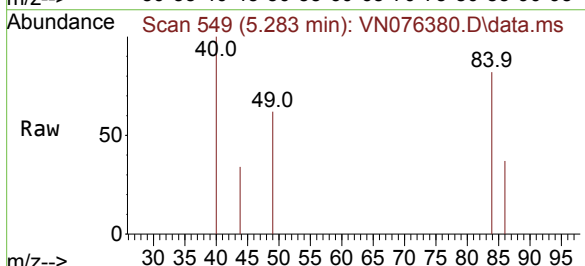
Ion Ratio Lower Upper

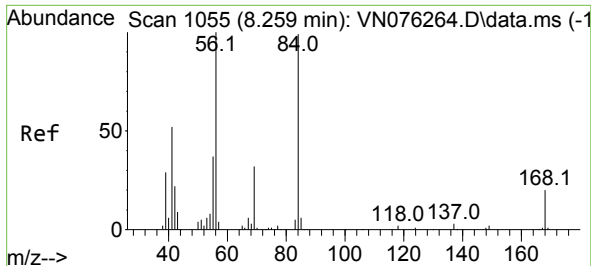
84 100

49 75.3 84.5 126.7#

51 0.0 26.0 39.0#

86 45.5 52.0 78.0#

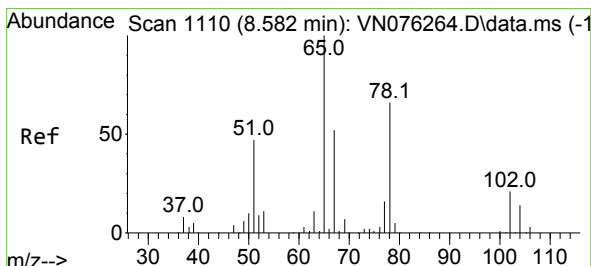
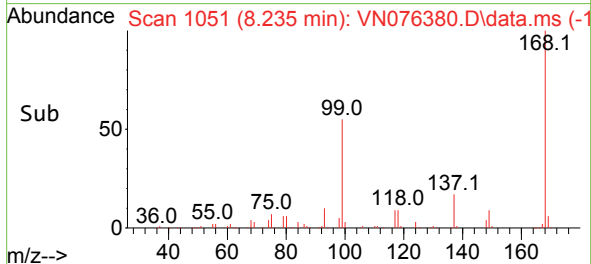
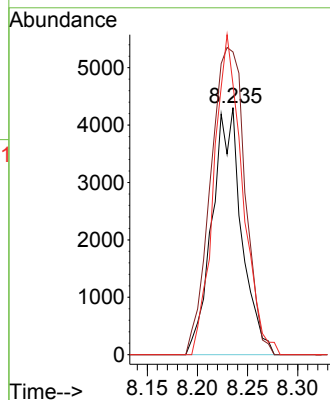
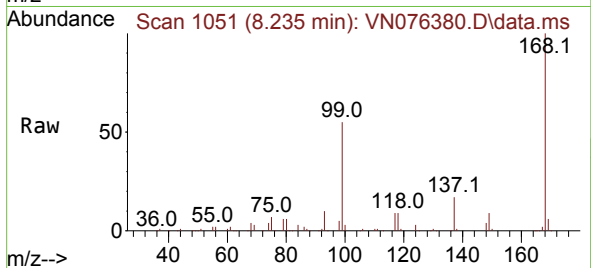




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

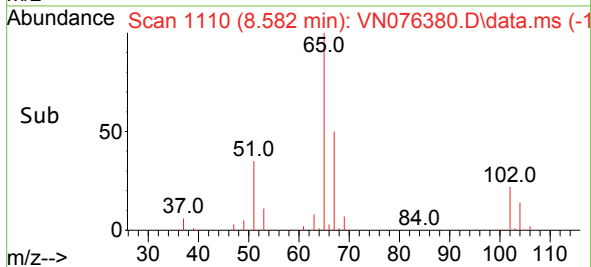
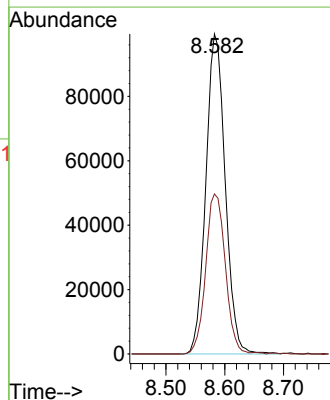
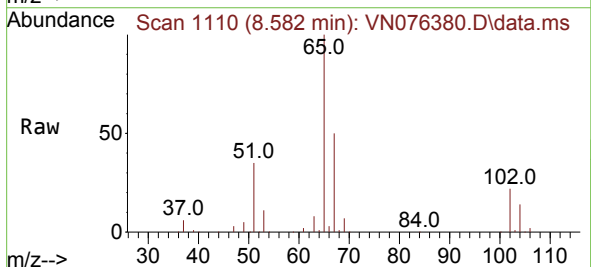
Instrument :
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22-MW-3S

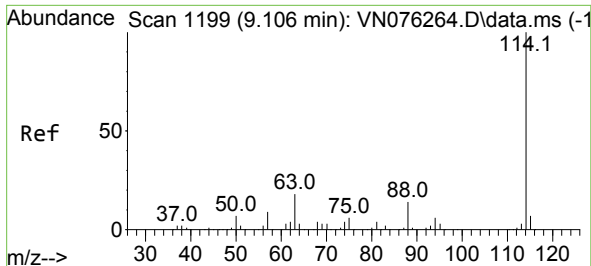
Tgt Ion: 56 Resp: 8798
Ion Ratio Lower Upper
56 100
69 122.5 25.8 38.8#
84 109.4 79.0 118.4



#33
1,2-Dichloroethane-d4
Concen: 50.241 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

Tgt Ion: 65 Resp: 227118
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

22-MW-3S

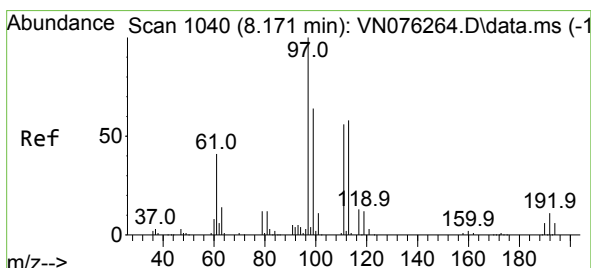
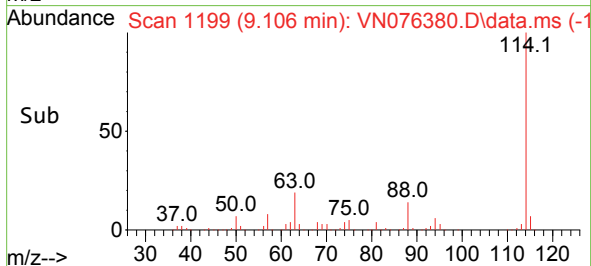
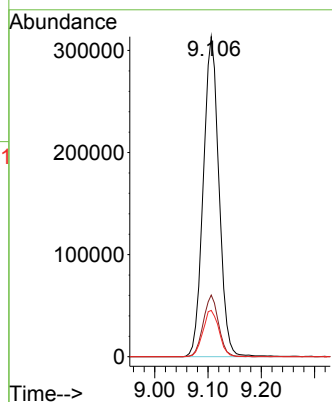
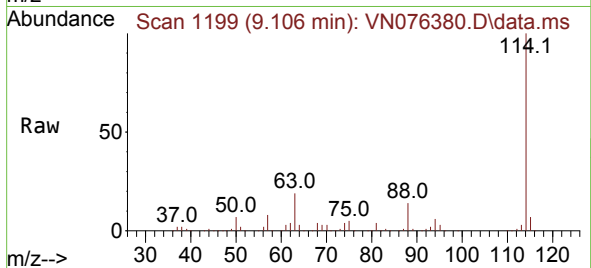
Tgt Ion:114 Resp: 640568

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.8

88 14.4 0.0 28.0



#35

Dibromofluoromethane

Concen: 48.936 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

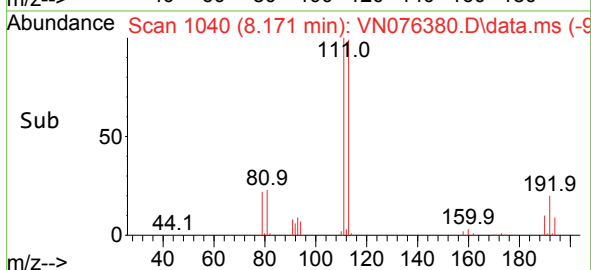
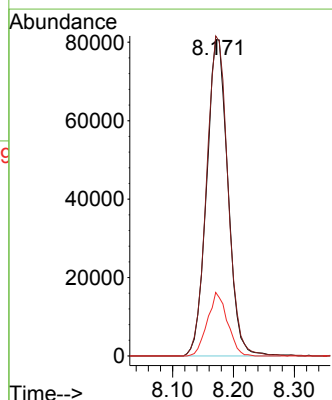
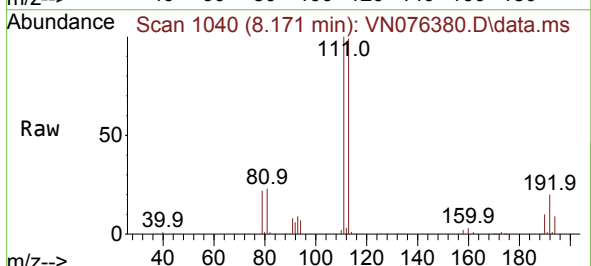
Tgt Ion:113 Resp: 196087

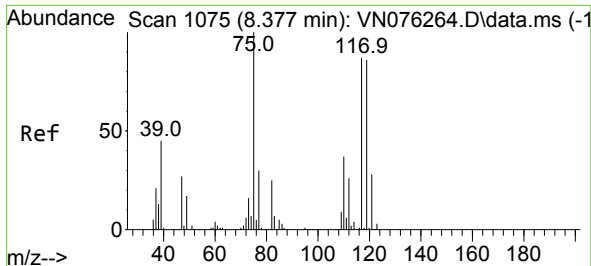
Ion Ratio Lower Upper

113 100

111 101.7 82.7 124.1

192 18.9 15.6 23.4

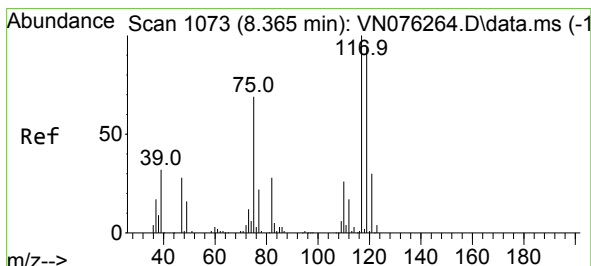
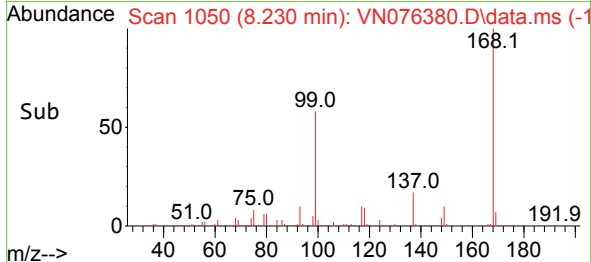
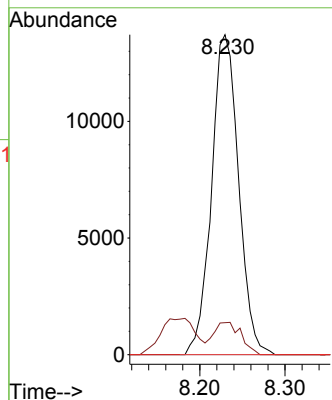
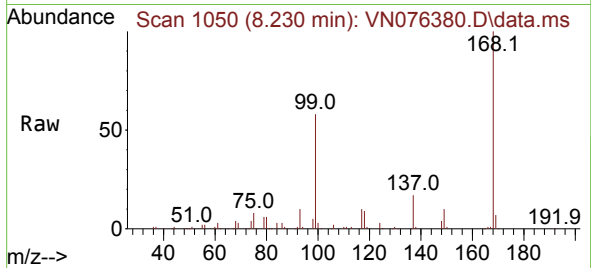




#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

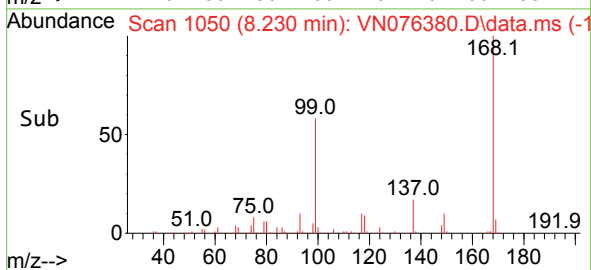
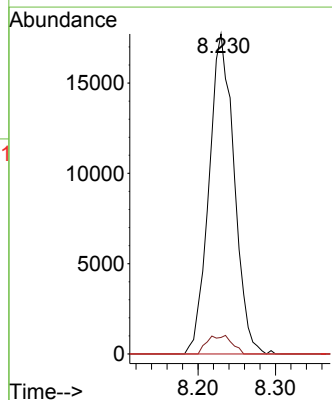
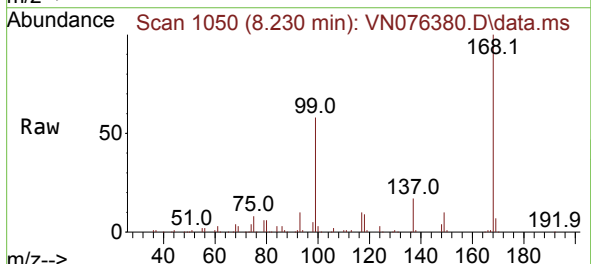
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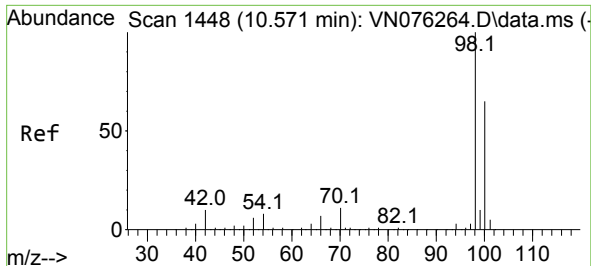
Tgt Ion: 75 Resp: 30304
Ion Ratio Lower Upper
75 100
110 10.3 18.8 56.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.315 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

Tgt Ion: 117 Resp: 40099
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.0#
121 0.0 24.2 36.2#

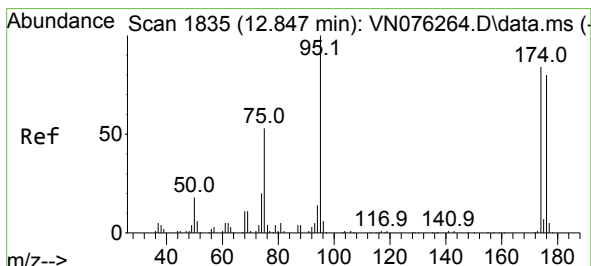
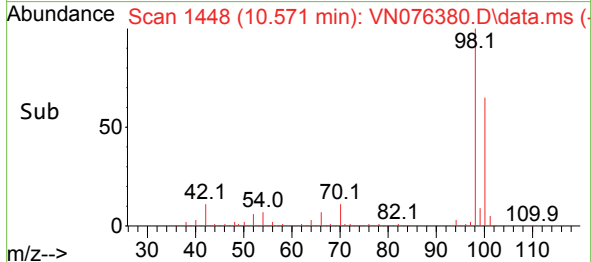
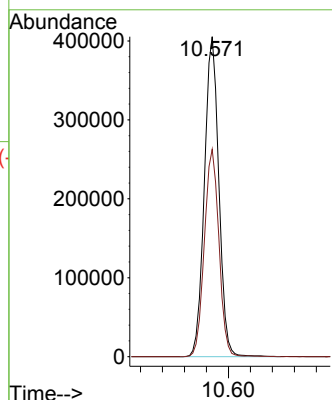
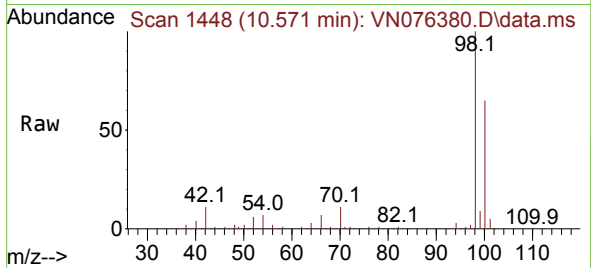




#50
Toluene-d8
Concen: 49.940 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

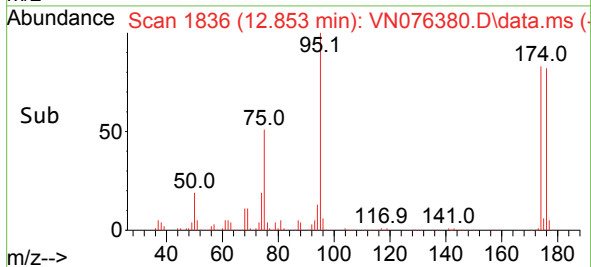
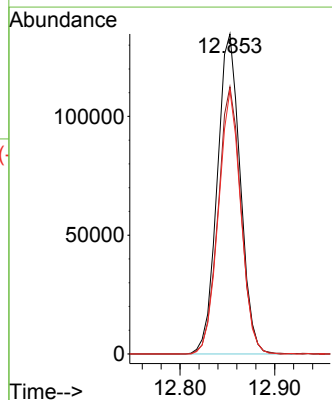
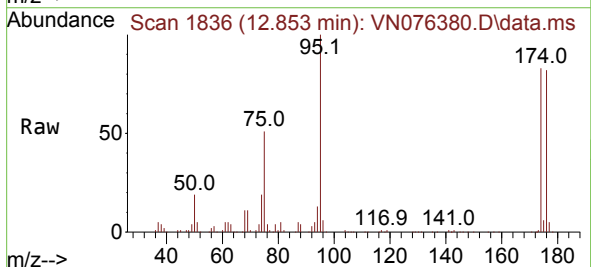
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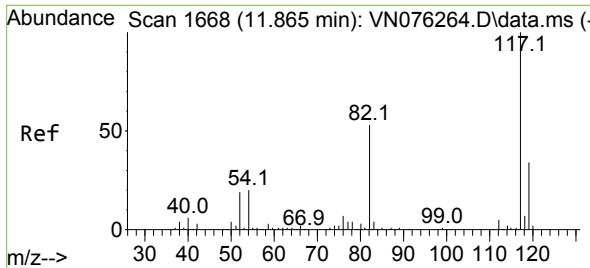
Tgt Ion: 98 Resp: 739035
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 47.072 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

Tgt Ion: 95 Resp: 227406
Ion Ratio Lower Upper
95 100
174 83.1 0.0 174.6
176 80.2 0.0 167.8

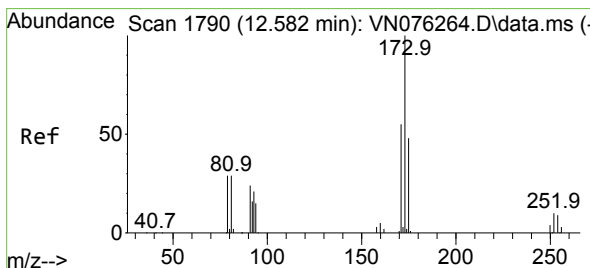
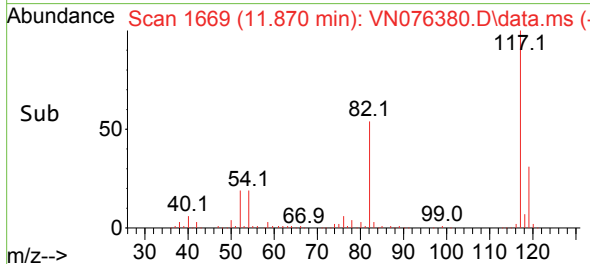
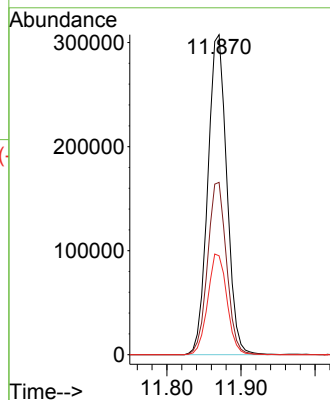
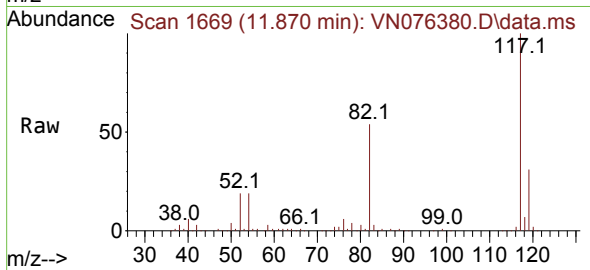




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

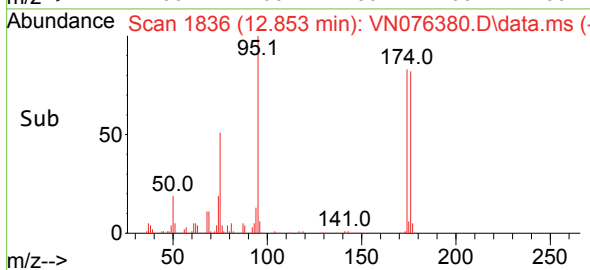
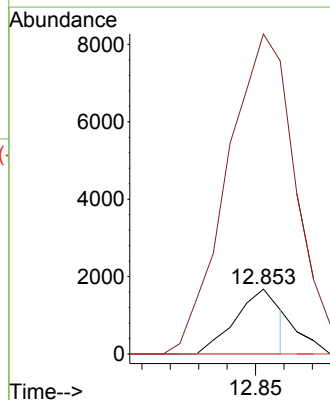
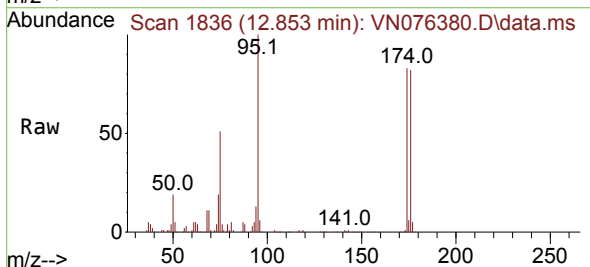
Instrument :
MSVOA_N
ClientSampleId :
22-MW-3S

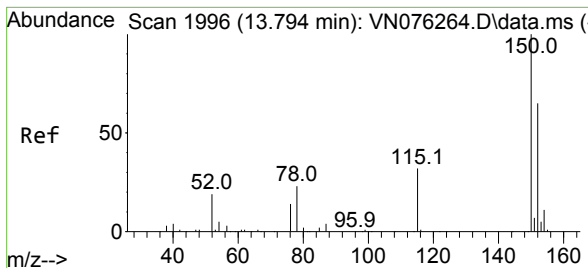
Tgt Ion:117 Resp: 547089
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.2
119 30.9 26.9 40.3



#71
Bromoform
Concen: 0.588 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076380.D
Acq: 24 Jan 2023 14:17

Tgt Ion:173 Resp: 1827
Ion Ratio Lower Upper
173 100
175 626.2 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

22-MW-3S

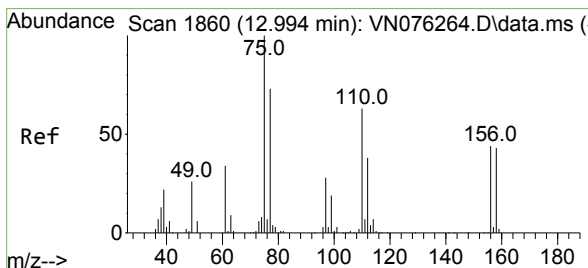
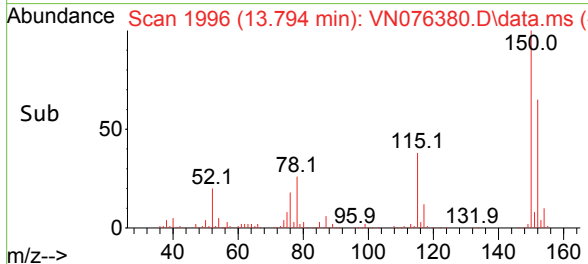
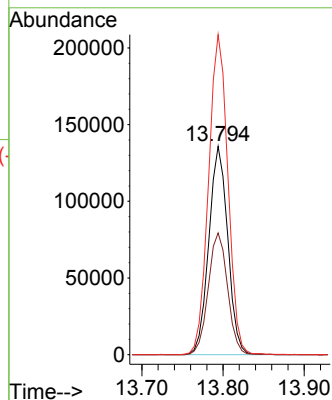
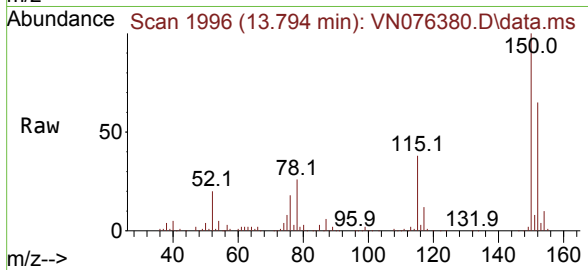
Tgt Ion:152 Resp: 220043

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.9

150 156.9 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 29.603 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076380.D

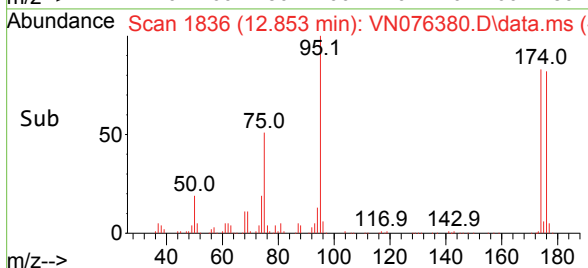
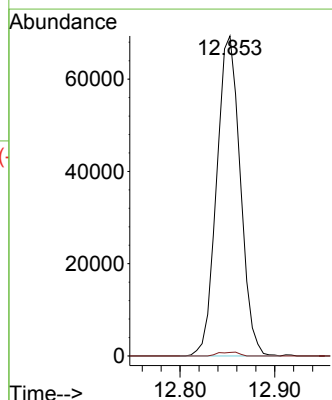
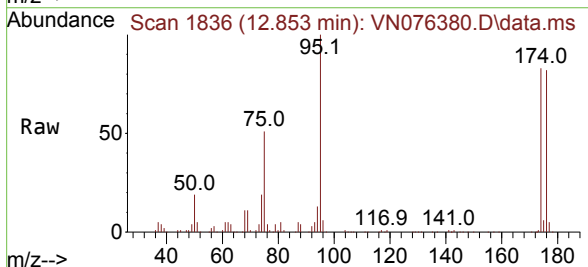
Acq: 24 Jan 2023 14:17

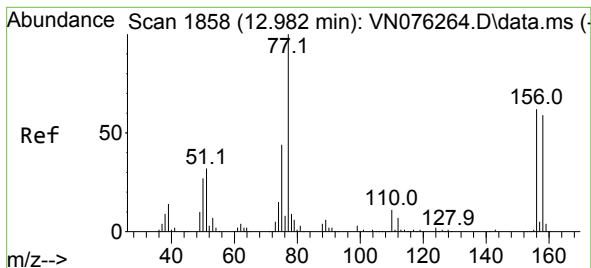
Tgt Ion: 75 Resp: 120219

Ion Ratio Lower Upper

75 100

77 1.0 75.2 225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

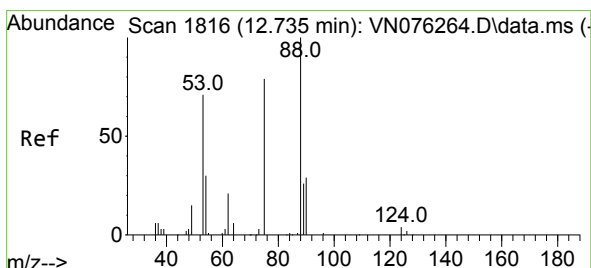
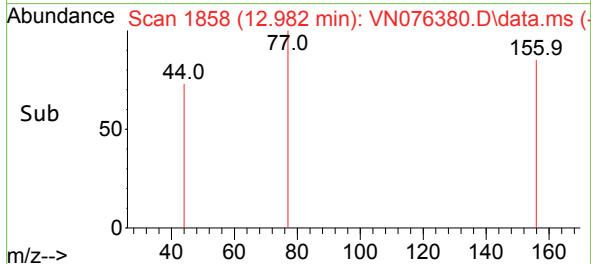
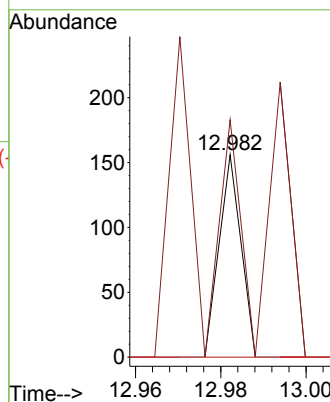
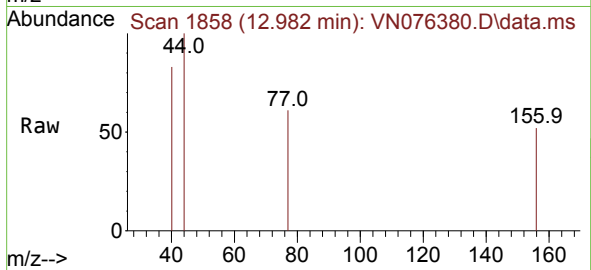
Instrument :

MSVOA_N

ClientSampleId :

22-MW-3S

Tgt Ion:	156	Resp:	55
Ion	Ratio	Lower	Upper
156	100		
77	158.2	93.4	280.2
158	0.0	48.4	145.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.902 ug/l

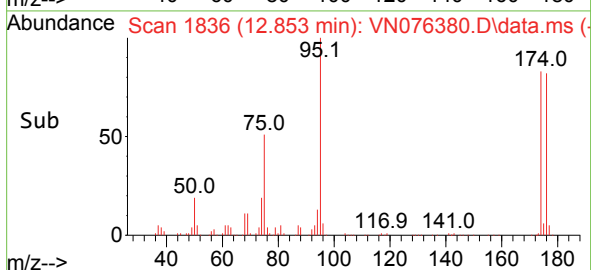
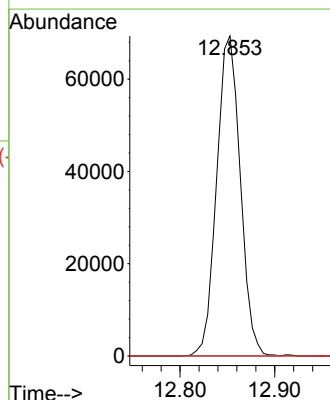
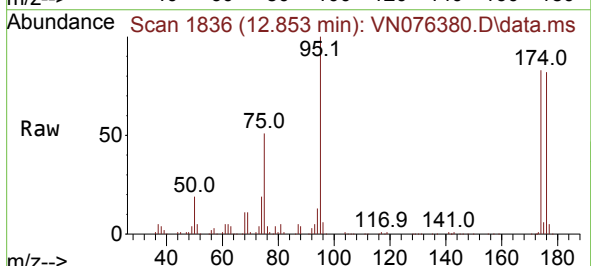
RT: 12.853 min Scan# 1836

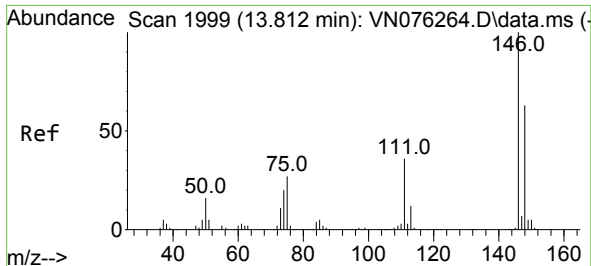
Delta R.T. 0.118 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

Tgt Ion:	75	Resp:	120219
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.0	37.0	55.6#

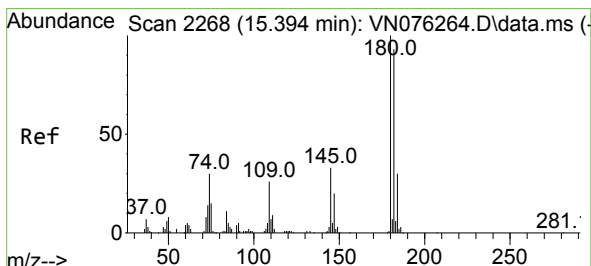
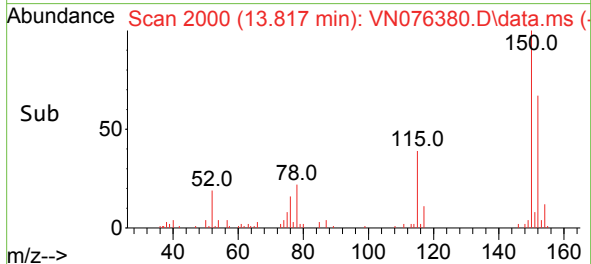
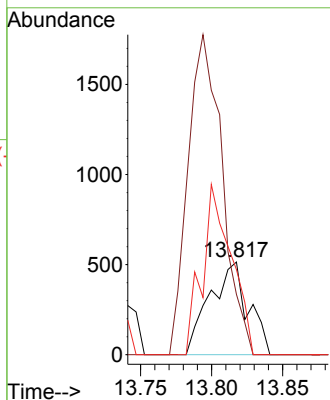
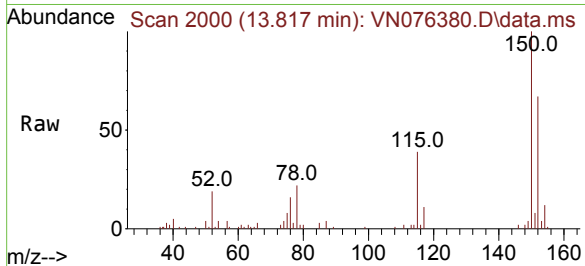




#88
 1,4-Dichlorobenzene
 Concen: 0.228 ug/l
 RT: 13.817 min Scan# 2000
 Delta R.T. 0.005 min
 Lab File: VN076380.D
 Acq: 24 Jan 2023 14:17

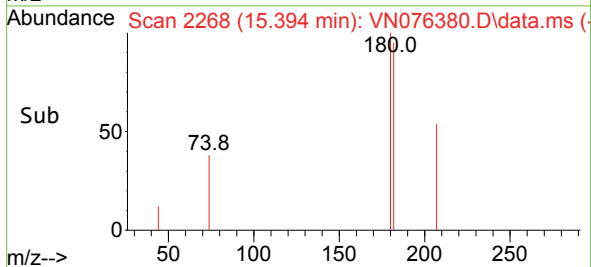
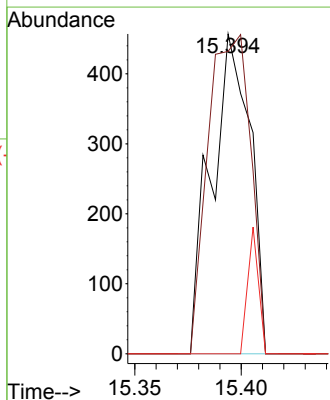
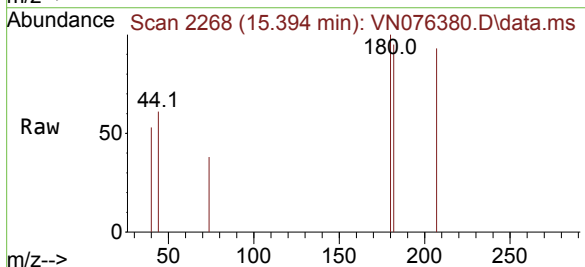
Instrument :
 MSVOA_N
 ClientSampleId :
 22-MW-3S

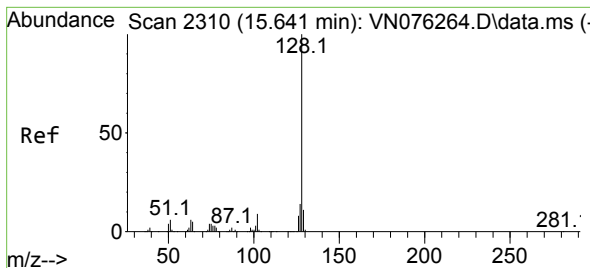
Tgt Ion:146 Resp: 966
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.5#
 148 0.0 31.9 95.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.452 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076380.D
 Acq: 24 Jan 2023 14:17

Tgt Ion:180 Resp: 582
 Ion Ratio Lower Upper
 180 100
 182 108.8 47.0 141.2
 145 11.0 15.2 45.5#





#95

Naphthalene

Concen: 2.093 ug/l

RT: 15.647 min Scan# 2310

Delta R.T. 0.006 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

22-MW-3S

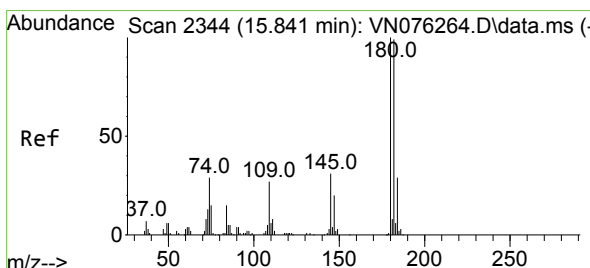
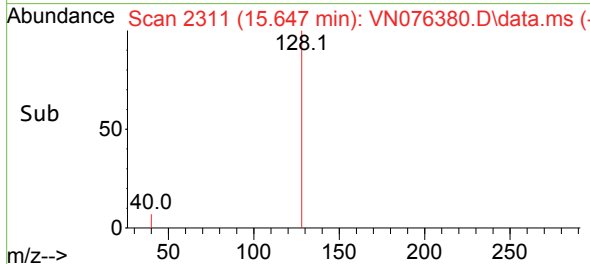
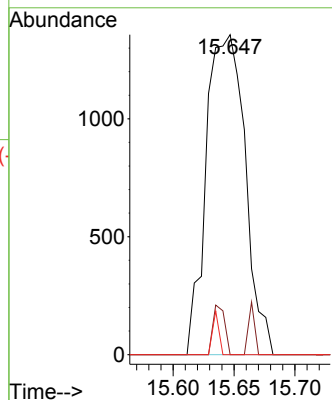
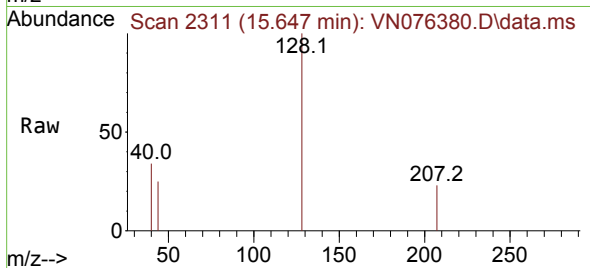
Tgt Ion:128 Resp: 3021

Ion Ratio Lower Upper

128 100

127 4.6 10.3 15.5#

129 2.2 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.252 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076380.D

Acq: 24 Jan 2023 14:17

Tgt Ion:180 Resp: 368

Ion Ratio Lower Upper

180 100

182 121.7 47.5 142.5

145 36.4 15.9 47.6

