

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077098.D
 Acq On : 22 Mar 2023 11:04
 Operator : JC\MD
 Sample : VN0322WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBL01

Quant Time: Mar 22 23:19:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

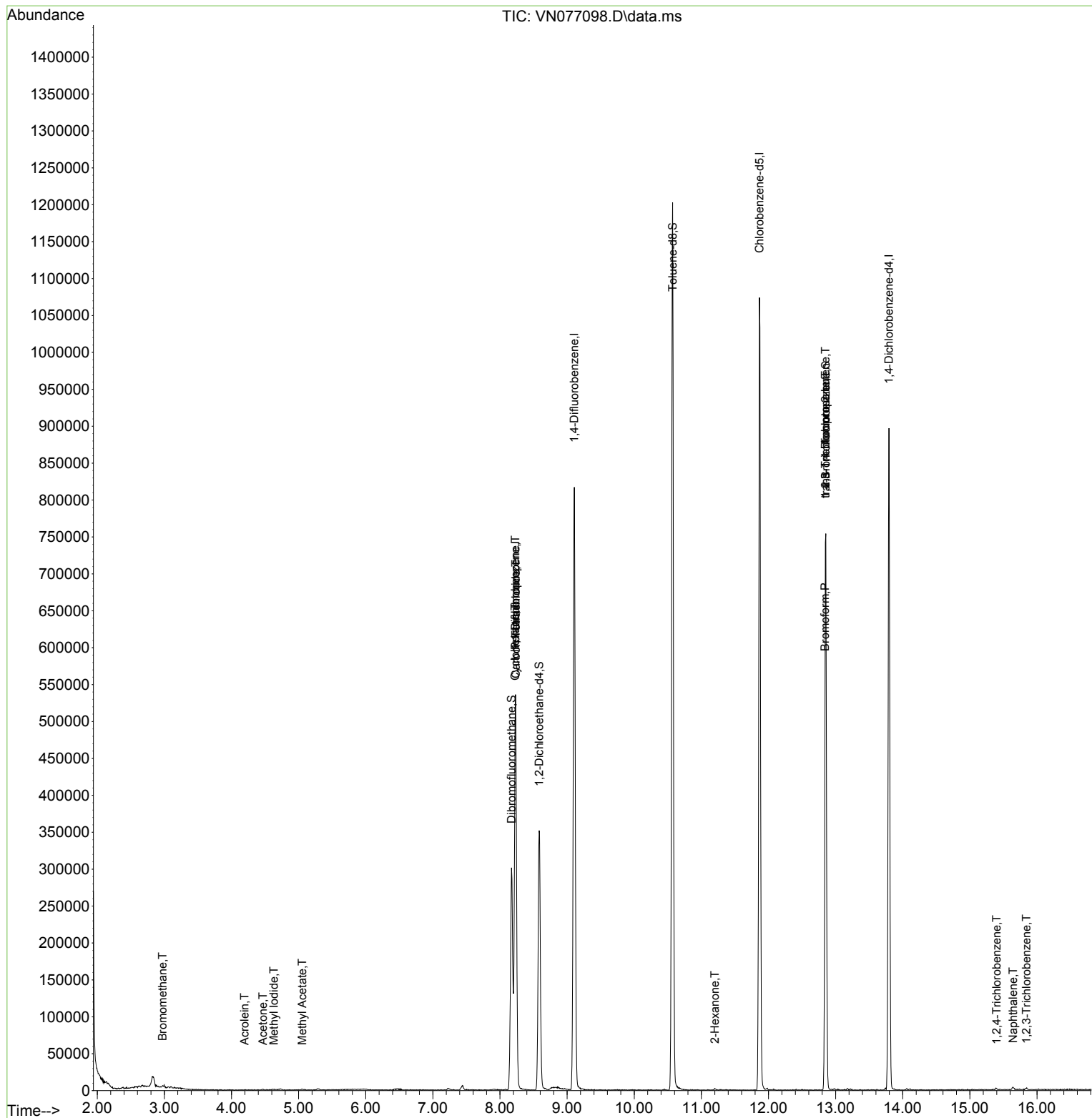
Internal Standards						
1) Pentafluorobenzene	8.231	168	357760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	667956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	581936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	224342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	294404	51.518	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.040%		
35) Dibromofluoromethane	8.172	113	213244	45.587	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 91.180%		
50) Toluene-d8	10.572	98	813981	48.713	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.420%		
62) 4-Bromofluorobenzene	12.854	95	265336	44.937	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 89.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	621	0.236	ug/l	81
10) Methyl Iodide	4.631	142	1115	0.208	ug/l #	39
13) Acrolein	4.196	56	272	0.264	ug/l	91
16) Acetone	4.466	43	1260	0.495	ug/l #	43
18) Methyl Acetate	5.054	43	2468	0.257	ug/l #	66
31) Cyclohexane	8.225	56	10176	1.088	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	34783	4.761	ug/l #	52
38) Carbon Tetrachloride	8.236	117	41780	5.871	ug/l #	15
59) 2-Hexanone	11.201	43	1785	0.324	ug/l	86
71) Bromoform	12.842	173	1039	0.309	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	146579	25.260	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	146579	69.528	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.401	180	963	0.251	ug/l	63
95) Naphthalene	15.642	128	4549	2.206	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.842	180	1191	0.309	ug/l #	83

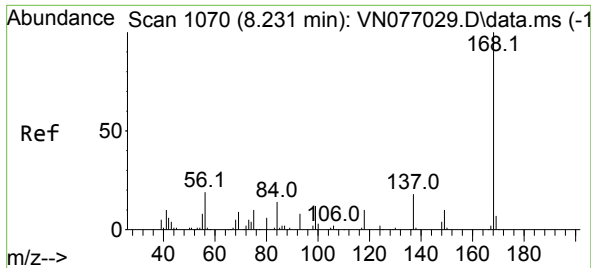
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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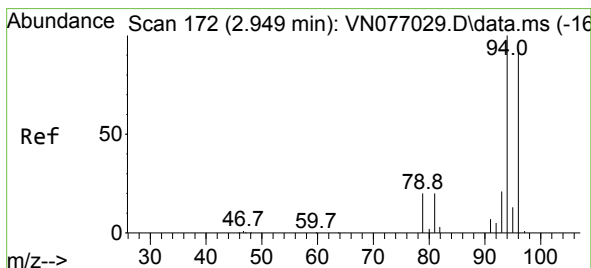
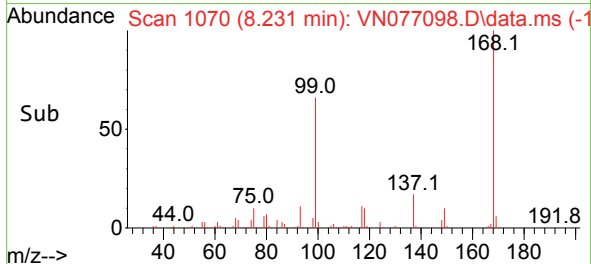
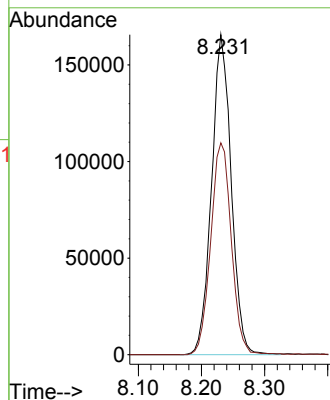
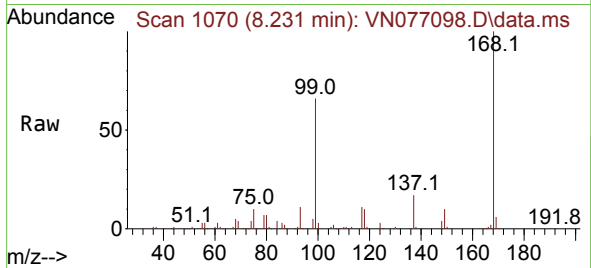




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

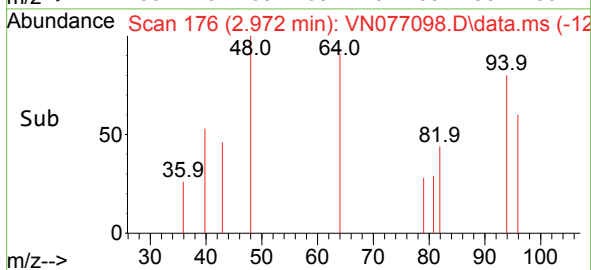
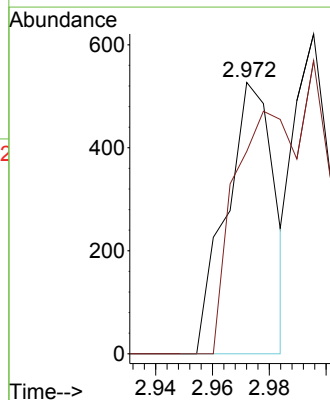
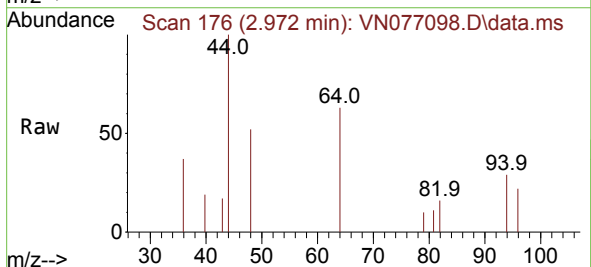
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBL01

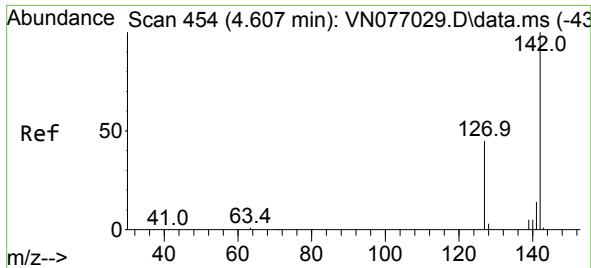
Tgt Ion:168 Resp: 357760
Ion Ratio Lower Upper
168 100
99 66.2 53.9 80.9



#5
Bromomethane
Concen: 0.236 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.023 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Tgt Ion: 94 Resp: 621
Ion Ratio Lower Upper
94 100
96 74.6 74.1 111.1

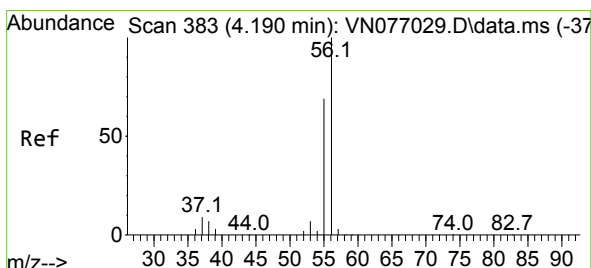
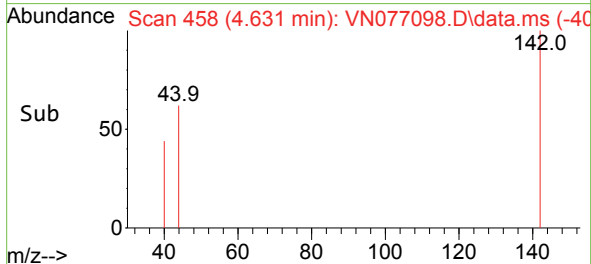
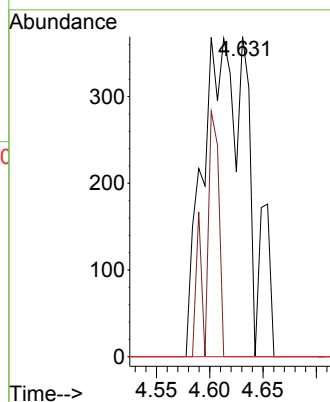
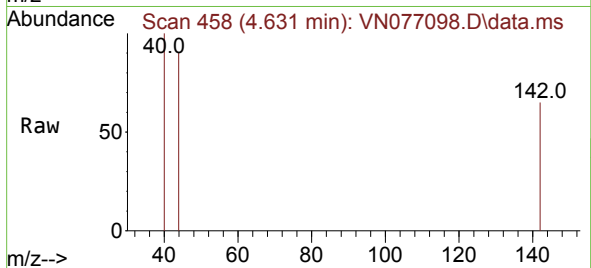




#10
Methyl Iodide
Concen: 0.208 ug/l
RT: 4.631 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

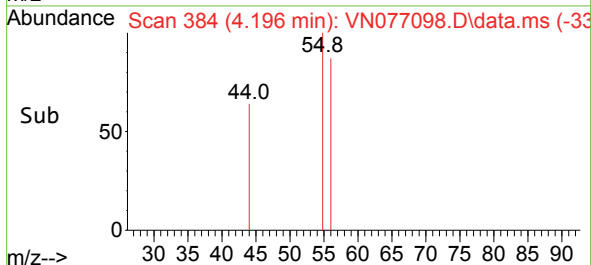
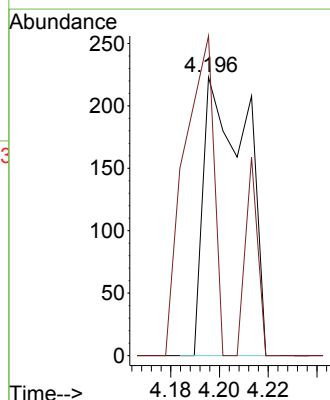
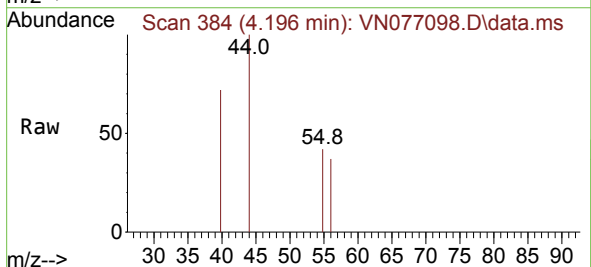
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBL01

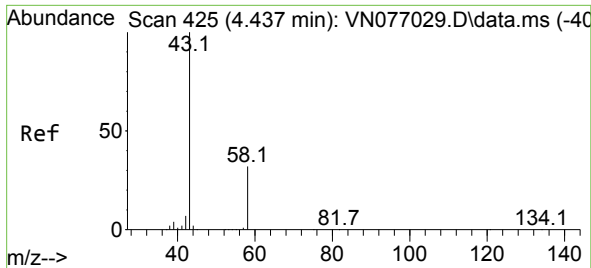
Tgt Ion:142 Resp: 1115
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 10.8 16.2#



#13
Acrolein
Concen: 0.264 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.005 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 79.0 57.0 85.6

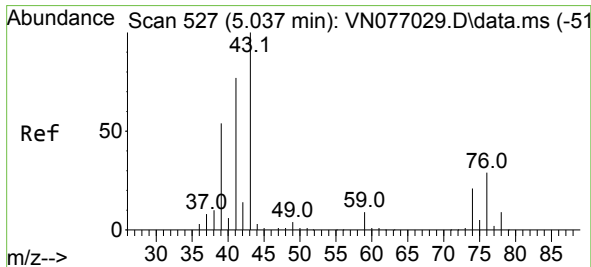
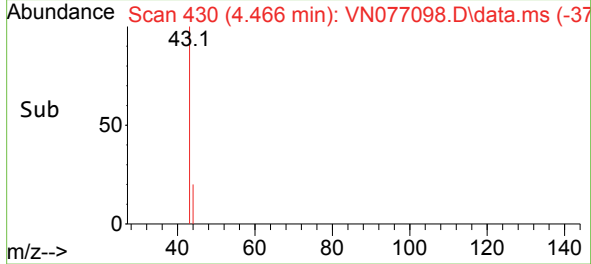
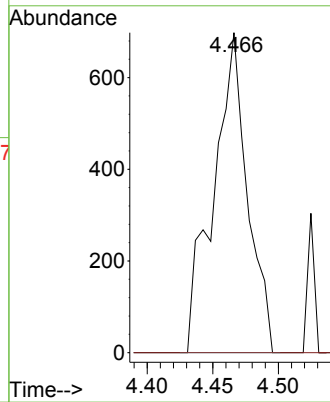
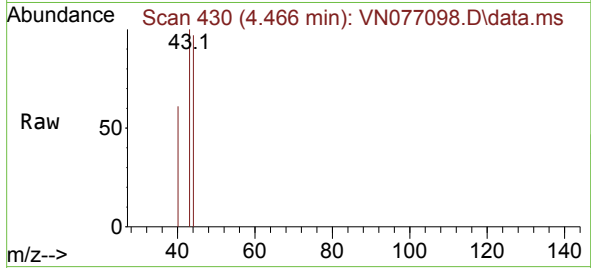




#16
Acetone
Concen: 0.495 ug/l
RT: 4.466 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

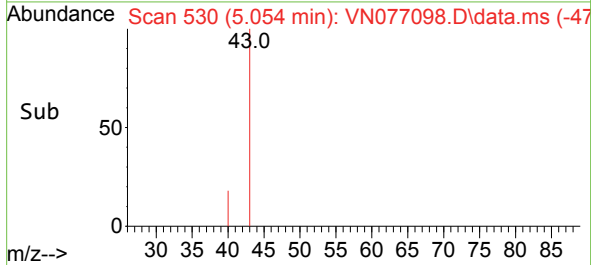
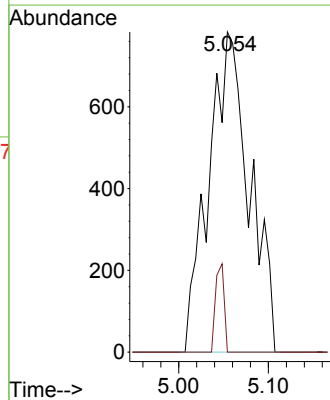
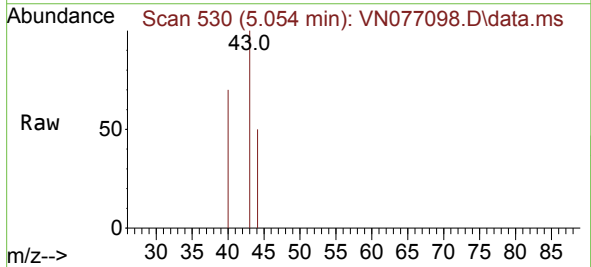
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBL01

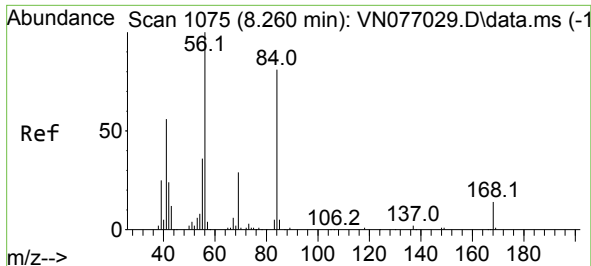
Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

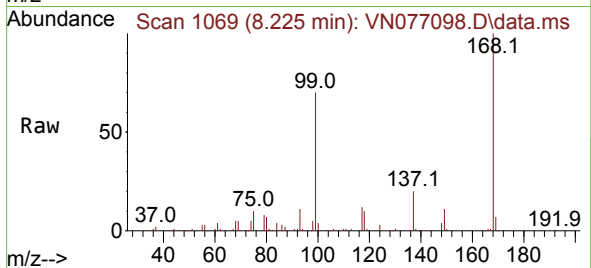
Tgt Ion: 43 Resp: 2468
Ion Ratio Lower Upper
43 100
74 5.8 17.7 26.5#



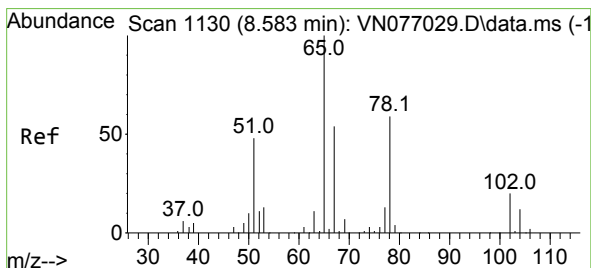
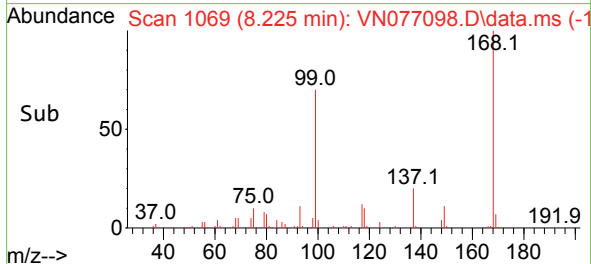
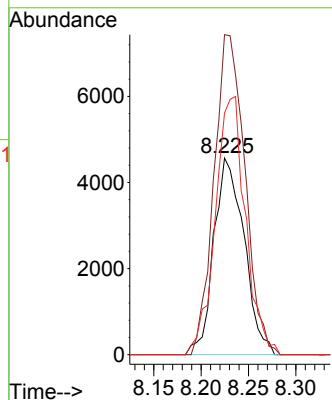


#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBL01

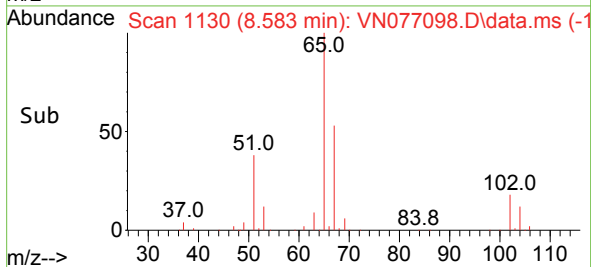
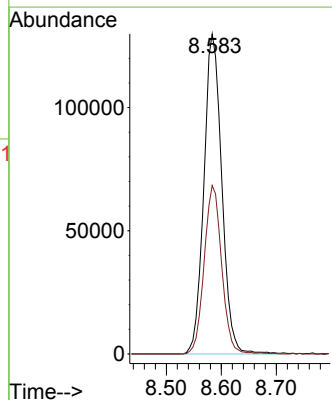
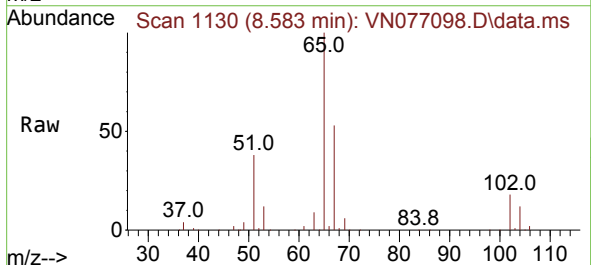


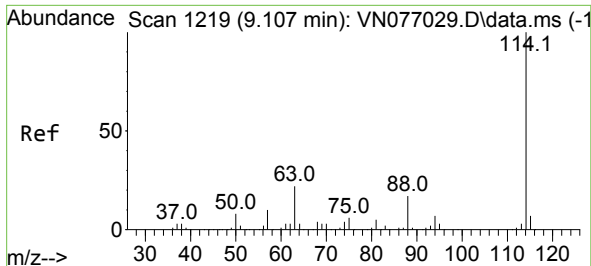
Tgt Ion: 56 Resp: 10176
Ion Ratio Lower Upper
56 100
69 162.7 22.8 34.2#
84 122.8 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 51.518 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Tgt Ion: 65 Resp: 294404
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2

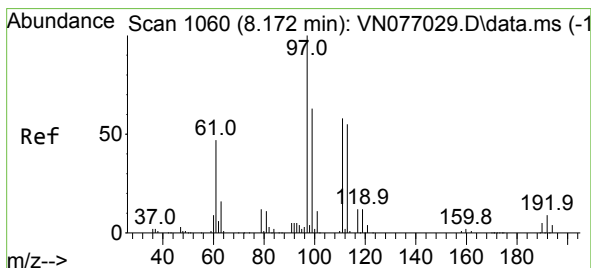
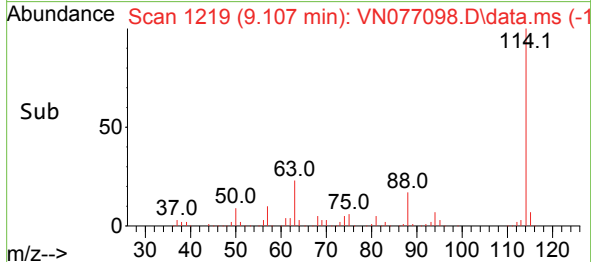
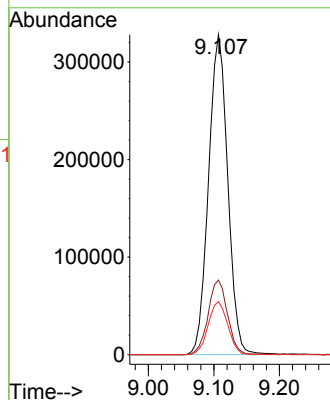
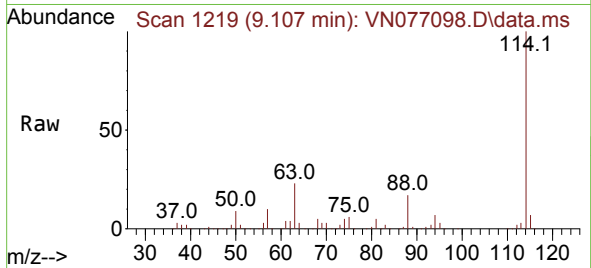




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

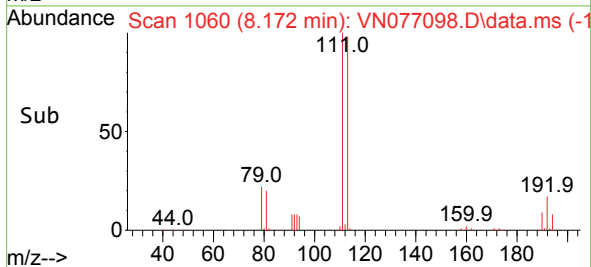
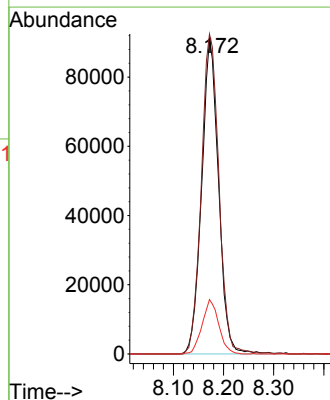
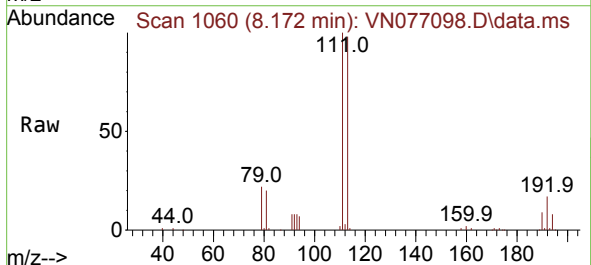
Instrument :
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ClientSampleId :
VN0322WBL01

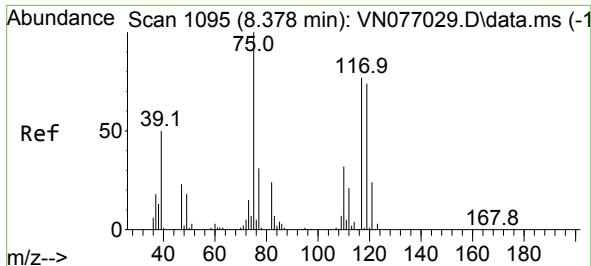
Tgt Ion:114 Resp: 667956
Ion Ratio Lower Upper
114 100
63 23.3 0.0 44.6
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.587 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Tgt Ion:113 Resp: 213244
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.2
192 17.0 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077098.D

Acq: 22 Mar 2023 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBL01

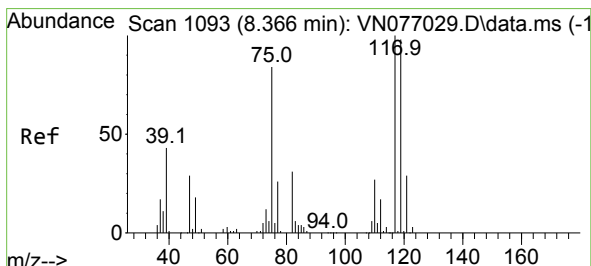
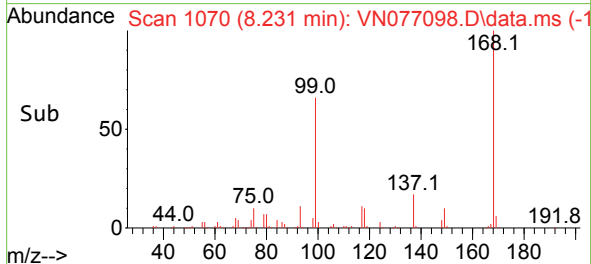
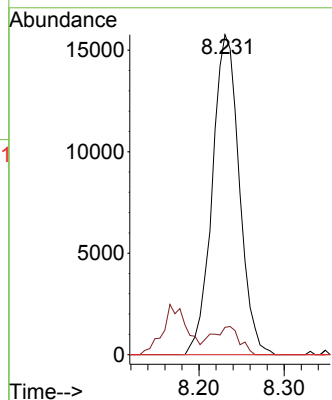
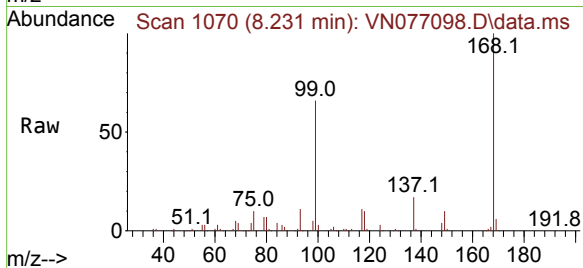
Tgt Ion: 75 Resp: 34783

Ion Ratio Lower Upper

75 100

110 9.1 15.9 47.7#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.871 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.129 min

Lab File: VN077098.D

Acq: 22 Mar 2023 11:04

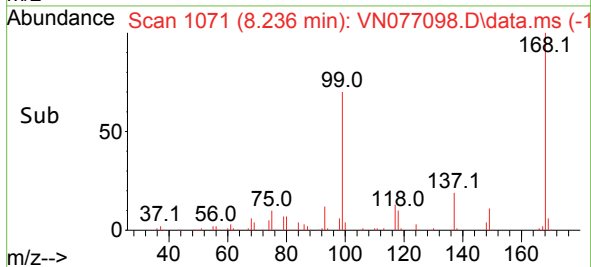
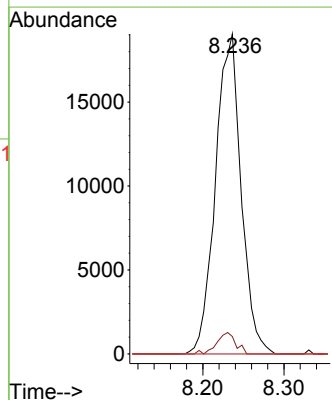
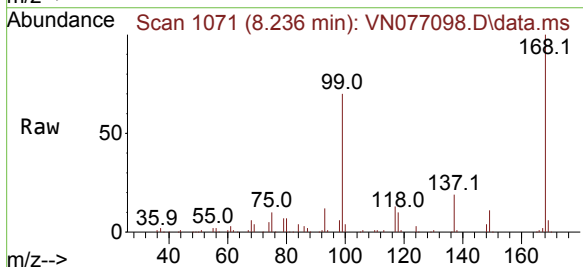
Tgt Ion: 117 Resp: 41780

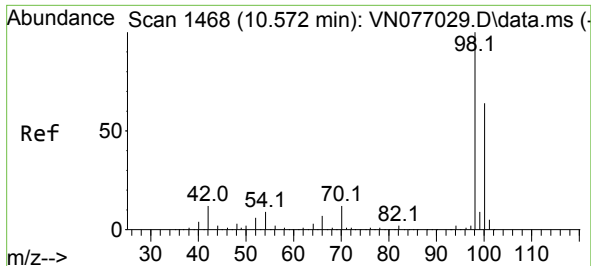
Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

121 0.0 23.2 34.8#

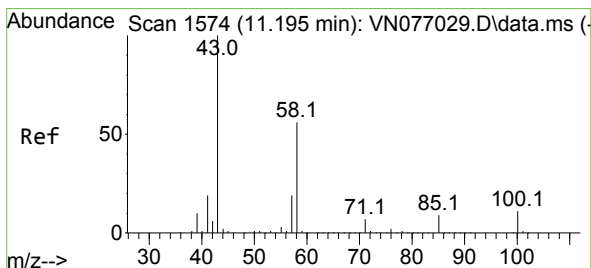
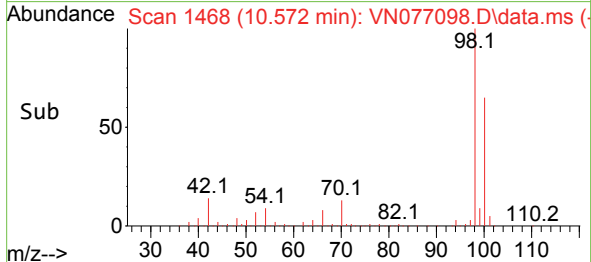
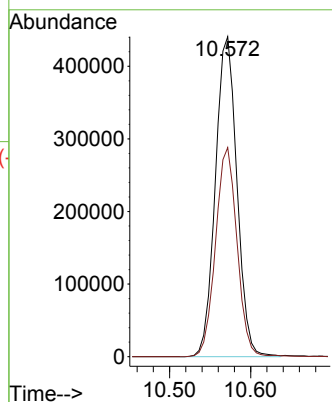
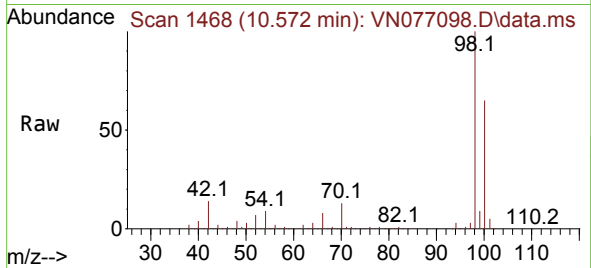




#50
Toluene-d8
Concen: 48.713 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

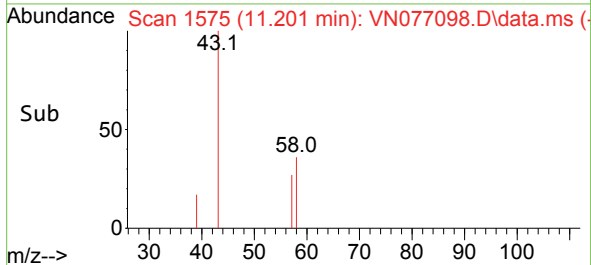
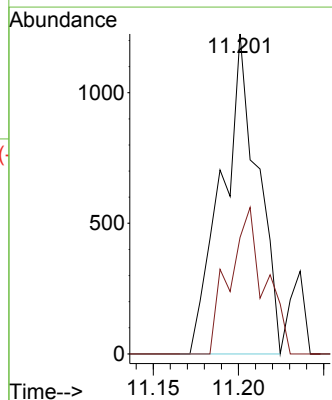
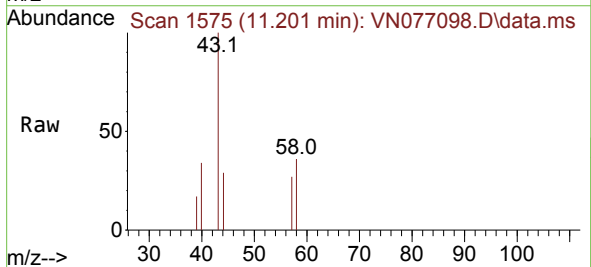
Instrument :
MSVOA_N
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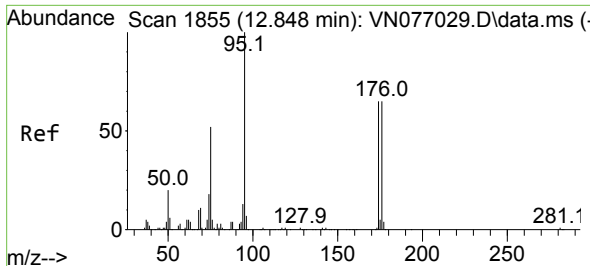
Tgt Ion: 98 Resp: 813981
Ion Ratio Lower Upper
98 100
100 65.2 51.6 77.4



#59
2-Hexanone
Concen: 0.324 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Tgt Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
58 45.0 27.7 83.1

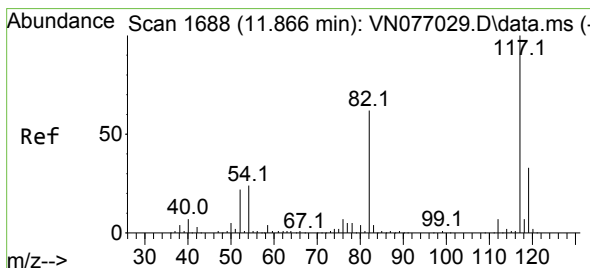
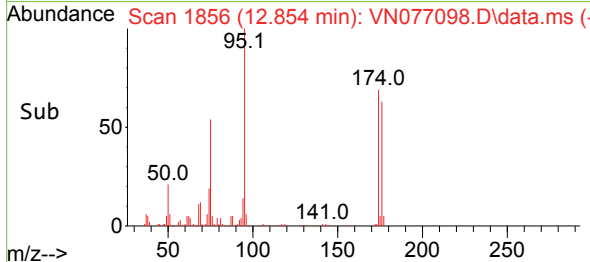
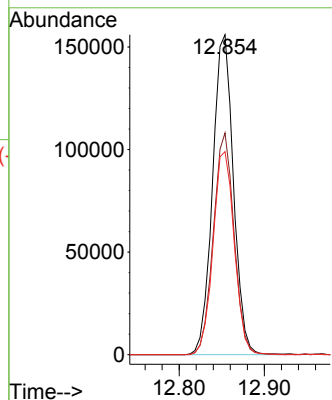
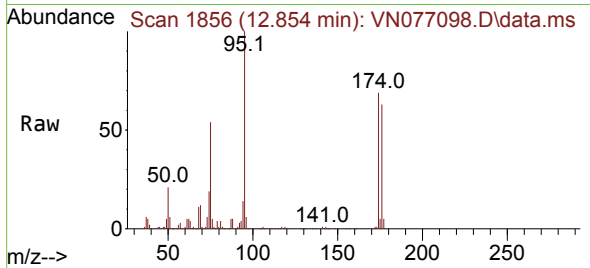




#62
4-Bromofluorobenzene
Concen: 44.937 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

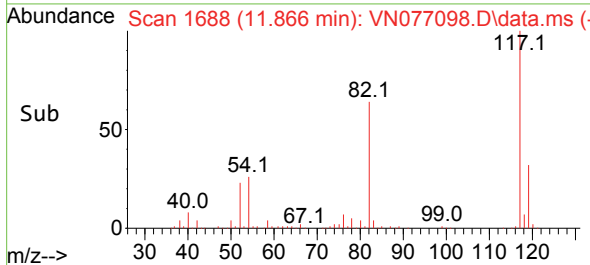
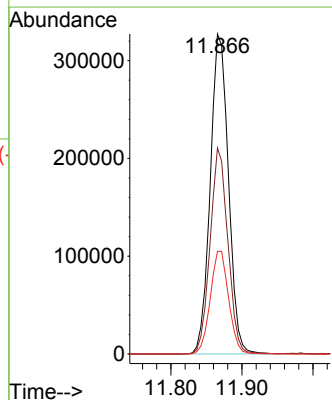
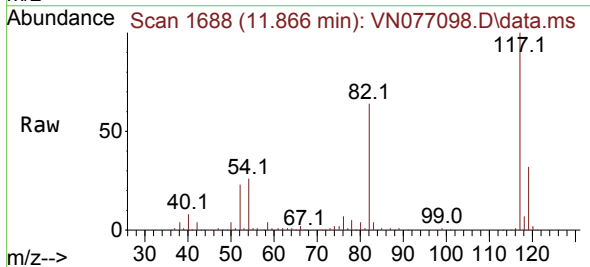
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBL01

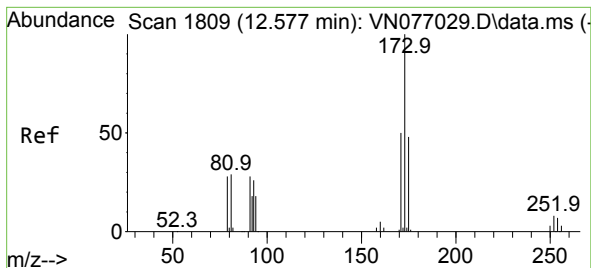
Tgt Ion: 95 Resp: 265336
Ion Ratio Lower Upper
95 100
174 68.9 0.0 136.6
176 64.7 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Tgt Ion: 117 Resp: 581936
Ion Ratio Lower Upper
117 100
82 64.4 49.4 74.0
119 32.1 26.5 39.7





#71

Bromoform

Concen: 0.309 ug/l

RT: 12.842 min Scan# 1854

Delta R.T. 0.265 min

Lab File: VN077098.D

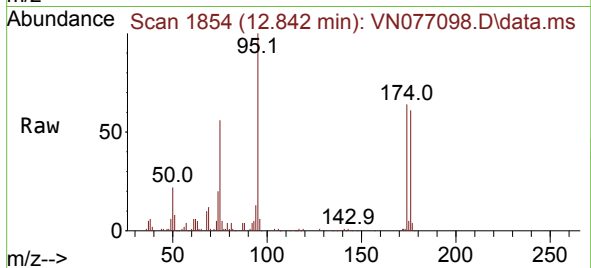
Acq: 22 Mar 2023 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBL01



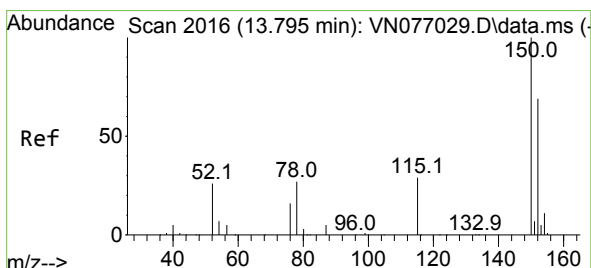
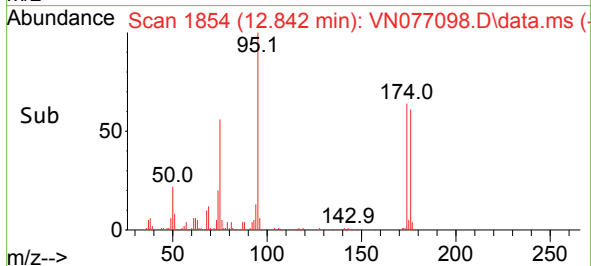
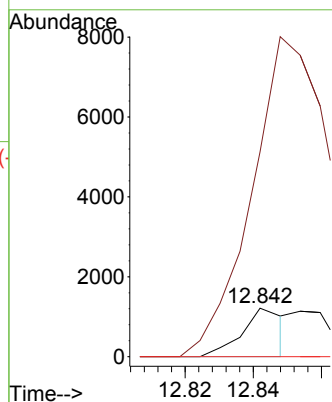
Tgt Ion:173 Resp: 1039

Ion Ratio Lower Upper

173 100

175 851.0 24.5 73.5#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077098.D

Acq: 22 Mar 2023 11:04

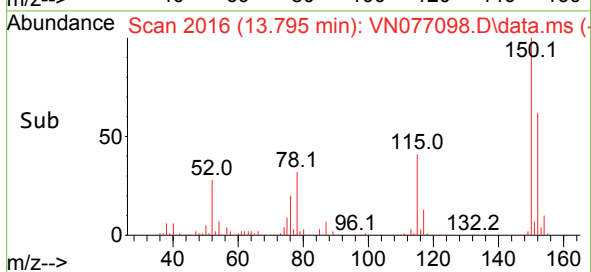
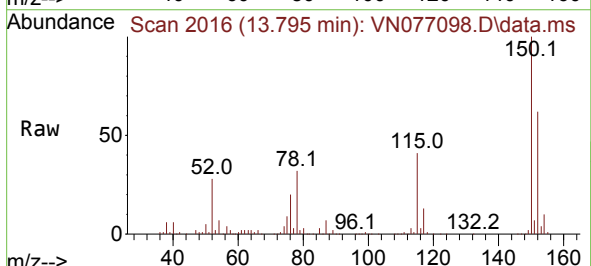
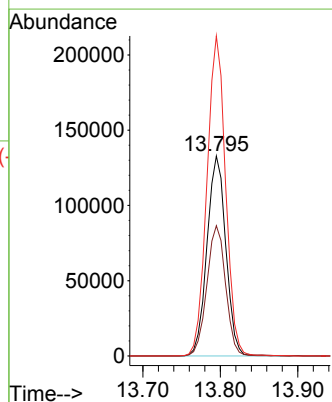
Tgt Ion:152 Resp: 224342

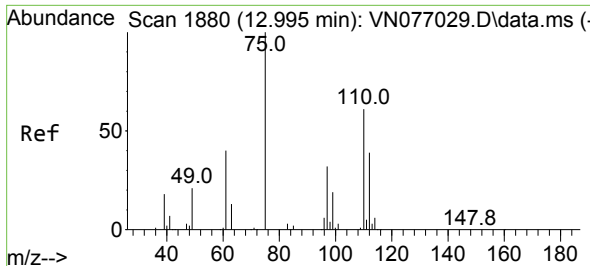
Ion Ratio Lower Upper

152 100

115 64.8 31.9 95.7

150 158.3 0.0 348.0

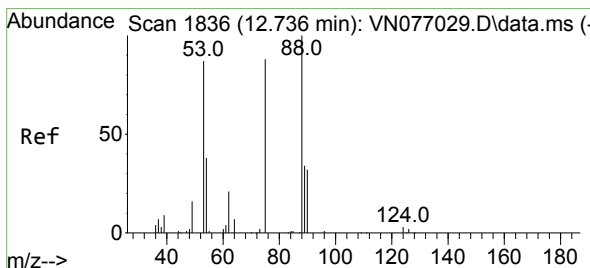
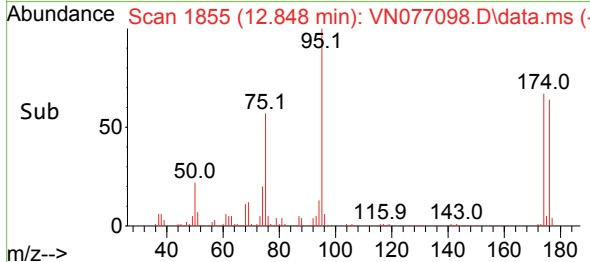
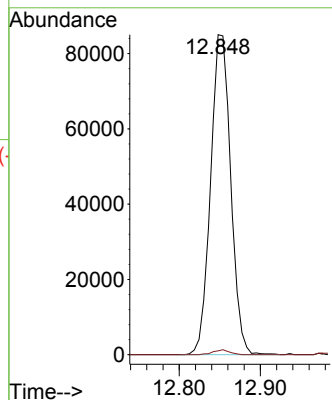
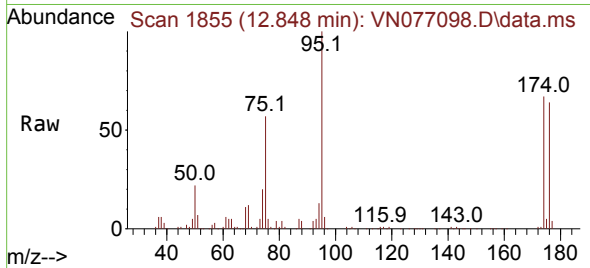




#76
1,2,3-Trichloropropane
Concen: 25.260 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

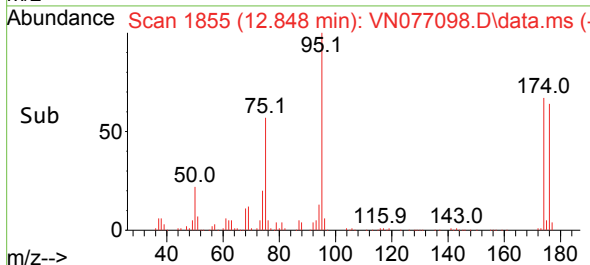
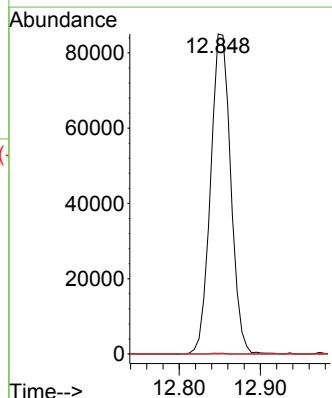
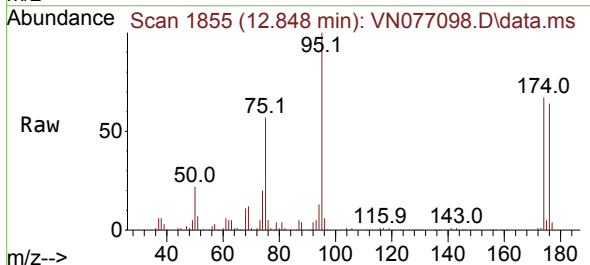
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBL01

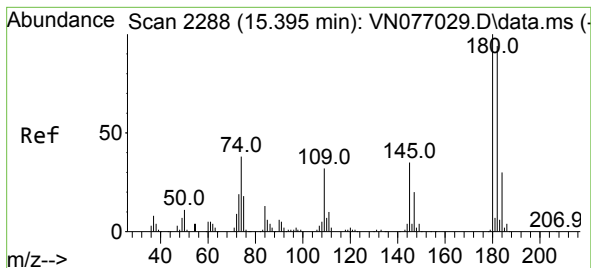
Tgt Ion: 75 Resp: 146579
Ion Ratio Lower Upper
75 100
77 1.2 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.528 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN077098.D
Acq: 22 Mar 2023 11:04

Tgt Ion: 75 Resp: 146579
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.251 ug/l

RT: 15.401 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN077098.D

Acq: 22 Mar 2023 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBL01

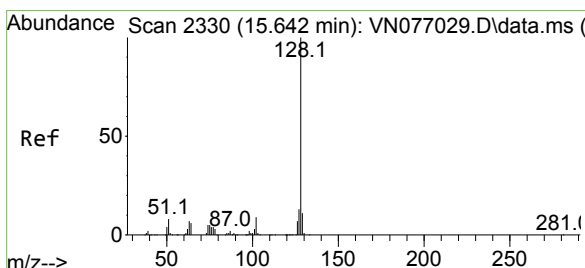
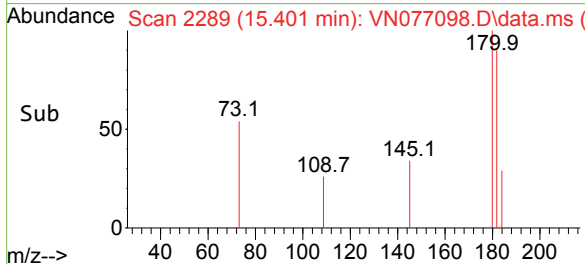
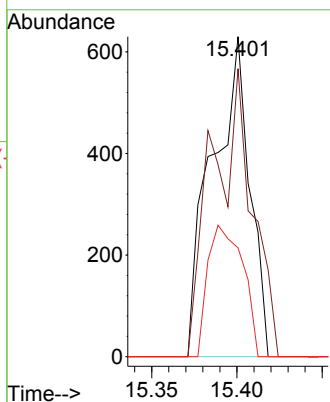
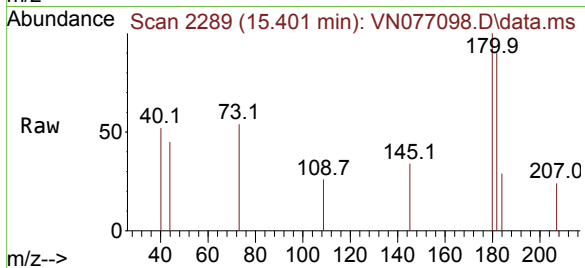
Tgt Ion:180 Resp: 963

Ion Ratio Lower Upper

180 100

182 48.5 47.3 141.9

145 38.3 16.9 50.7



#95

Naphthalene

Concen: 2.206 ug/l

RT: 15.642 min Scan# 2330

Delta R.T. -0.000 min

Lab File: VN077098.D

Acq: 22 Mar 2023 11:04

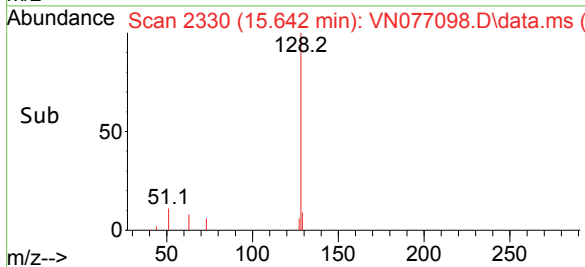
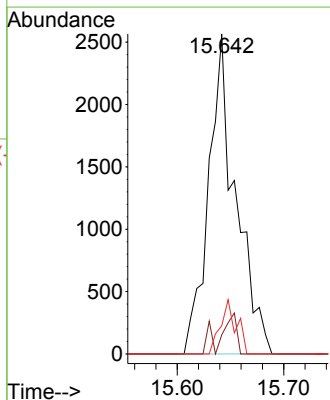
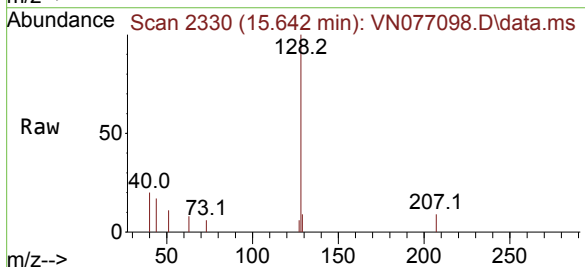
Tgt Ion:128 Resp: 4549

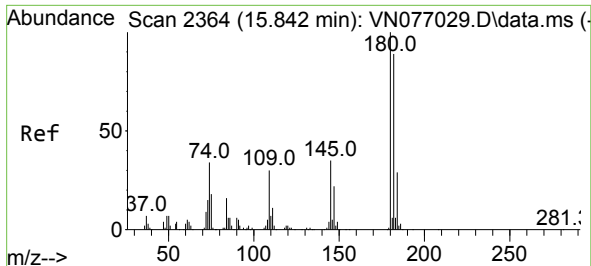
Ion Ratio Lower Upper

128 100

127 5.7 10.0 15.0#

129 9.9 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.309 ug/l

RT: 15.842 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077098.D

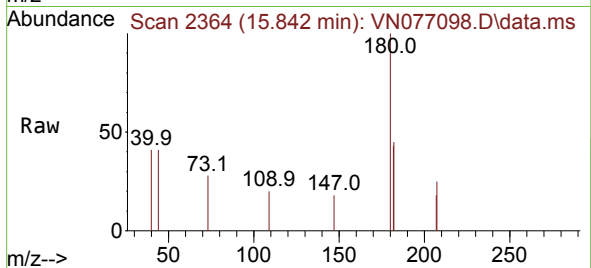
Acq: 22 Mar 2023 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBL01



Tgt Ion:180 Resp: 1191

Ion Ratio Lower Upper

180 100

182 101.9 47.4 142.2

145 11.5 17.9 53.8#

