

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081084.D
 Acq On : 19 Feb 2024 18:29
 Operator : JC\MD
 Sample : P1528-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-20240215

Quant Time: Feb 20 09:07:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

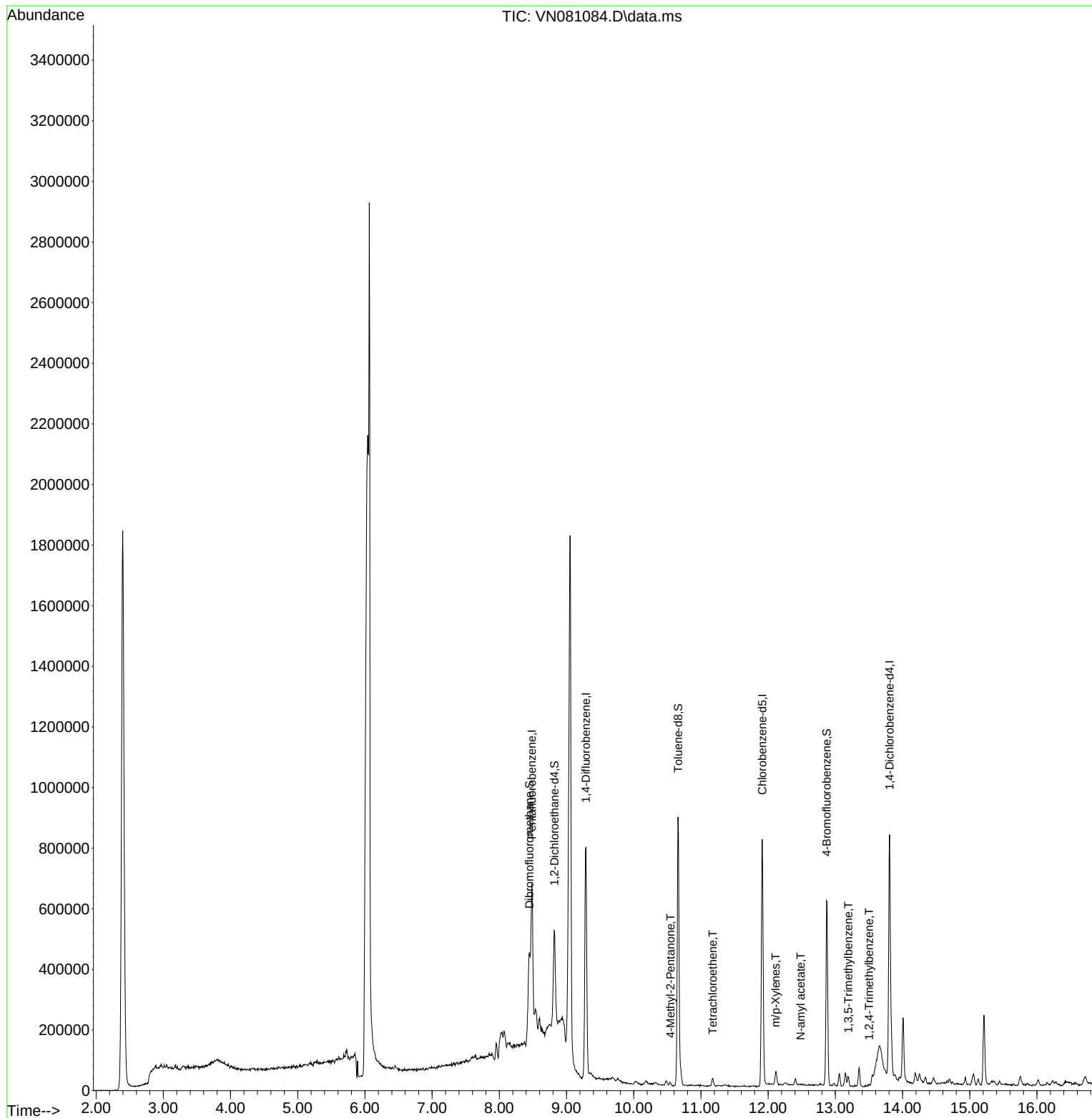
Internal Standards						
1) Pentafluorobenzene	8.483	168	322253m	50.000	ug/l	0.26
34) 1,4-Difluorobenzene	9.288	114	641637	50.000	ug/l	0.19
63) Chlorobenzene-d5	11.912	117	477570	50.000	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	13.806	152	205074	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.818	65	244519	61.905	ug/l	0.24
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.800%	
35) Dibromofluoromethane	8.447	113	199179	54.897	ug/l	0.28
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.800%	
50) Toluene-d8	10.659	98	638632	49.558	ug/l	0.09
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.120%	
62) 4-Bromofluorobenzene	12.871	95	221947	45.836	ug/l	0.02
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.680%	
Target Compounds						
					Qvalue	
51) 4-Methyl-2-Pentanone	10.547	43	8796	1.558	ug/l	99
64) Tetrachloroethene	11.177	164	5364	1.646	ug/l #	82
68) m/p-Xylenes	12.112	106	13023	1.837	ug/l	96
74) N-amyl acetate	12.482	43	2868	0.378	ug/l #	48
80) 1,3,5-Trimethylbenzene	13.194	105	15481	1.064	ug/l	98
84) 1,2,4-Trimethylbenzene	13.500	105	4906	0.338	ug/l	93

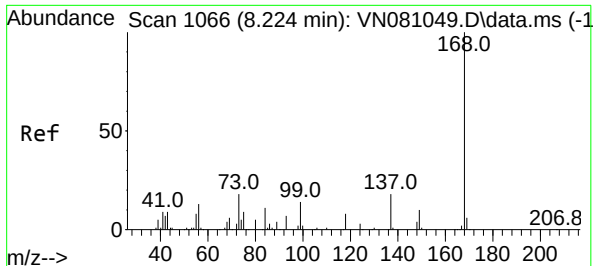
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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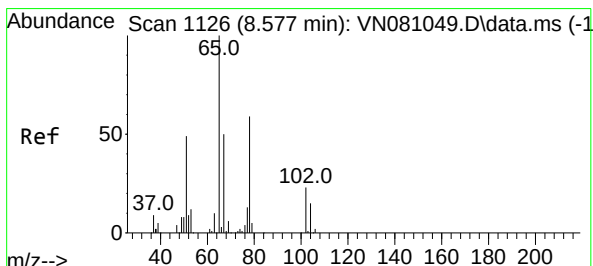
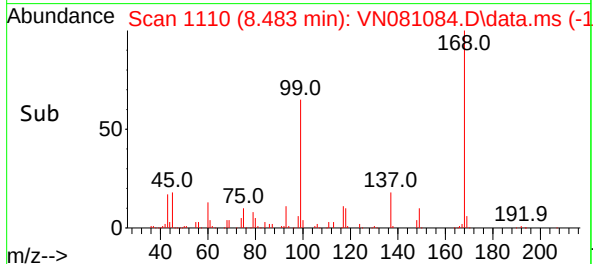
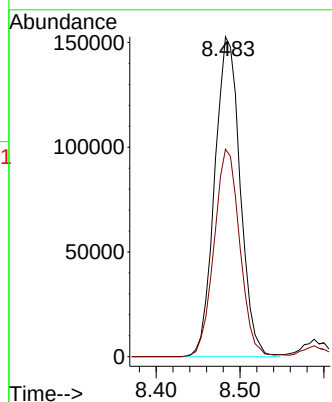
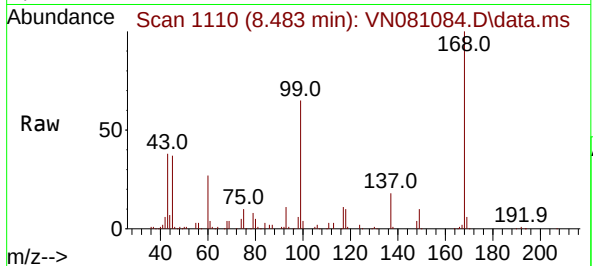




#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 8.483 min Scan# 1110
Delta R.T. 0.259 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

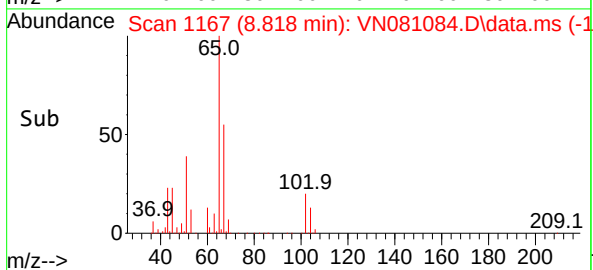
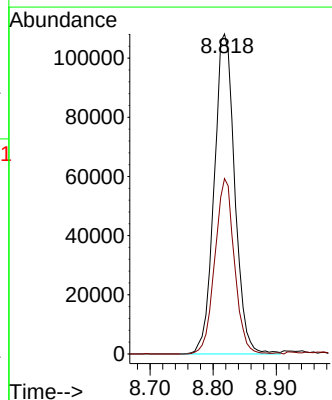
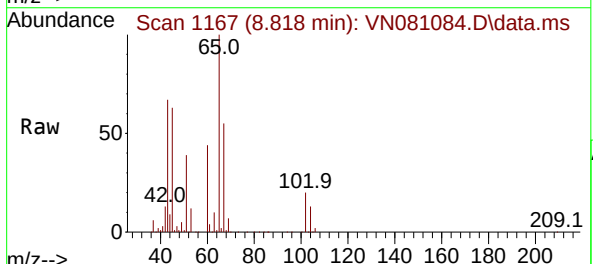
Instrument :
MSVOA_N
ClientSampleId :
IDW-20240215

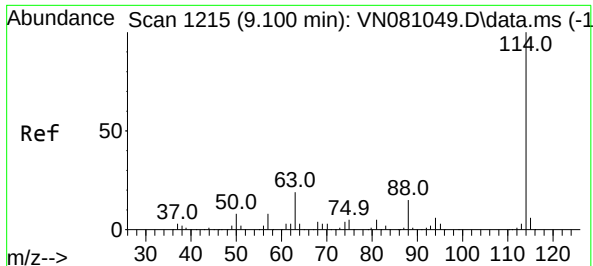
Tgt Ion:168 Resp: 322253
Ion Ratio Lower Upper
168 100
99 64.9 59.9 89.9



#33
1,2-Dichloroethane-d4
Concen: 61.905 ug/l
RT: 8.818 min Scan# 1167
Delta R.T. 0.241 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

Tgt Ion: 65 Resp: 244519
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.288 min Scan# 1104

Delta R.T. 0.188 min

Lab File: VN081084.D

Acq: 19 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

IDW-20240215

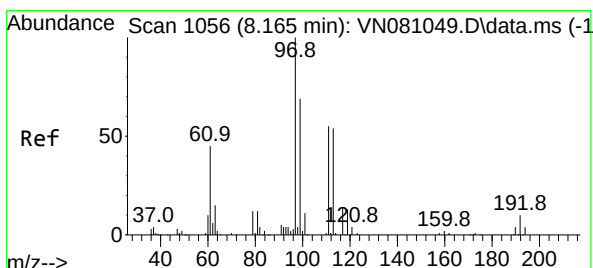
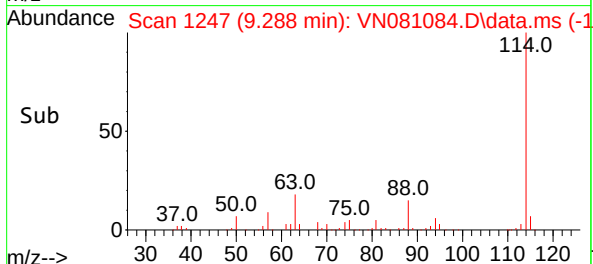
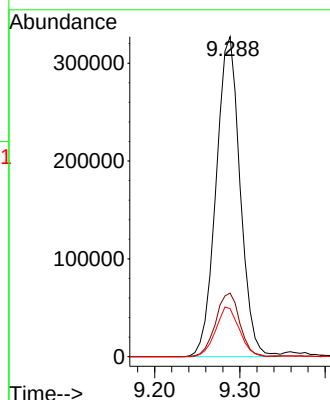
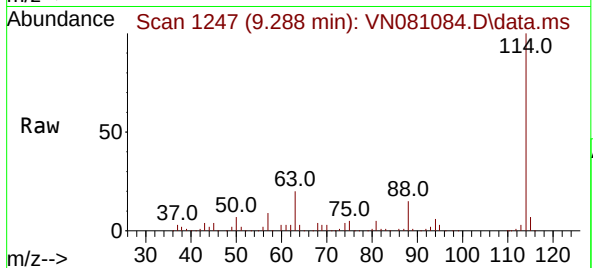
Tgt Ion:114 Resp: 641637

Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 15.0 0.0 34.8



#35

Dibromofluoromethane

Concen: 54.897 ug/l

RT: 8.447 min Scan# 1104

Delta R.T. 0.282 min

Lab File: VN081084.D

Acq: 19 Feb 2024 18:29

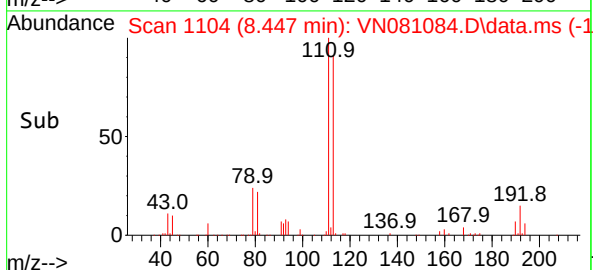
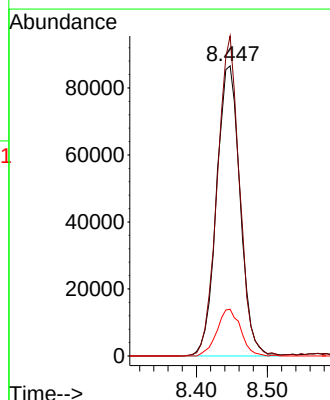
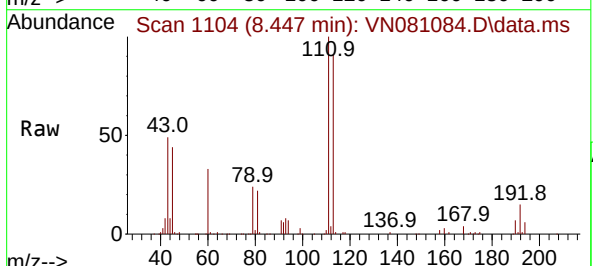
Tgt Ion:113 Resp: 199179

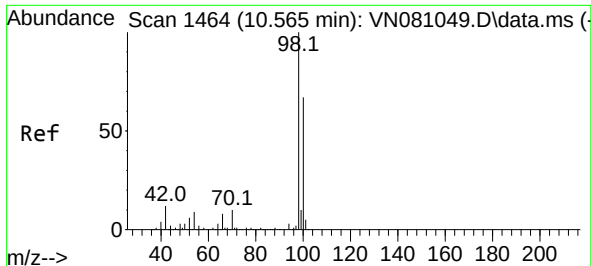
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 16.2 12.5 18.7

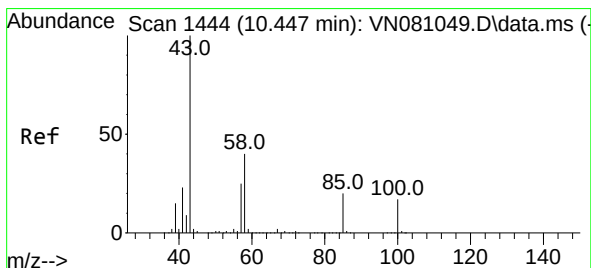
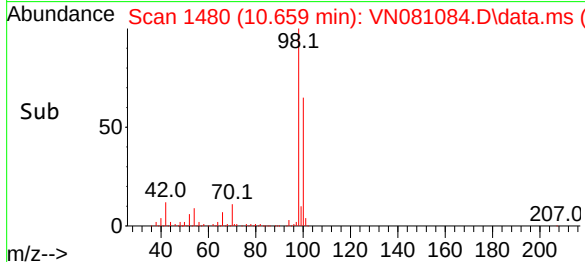
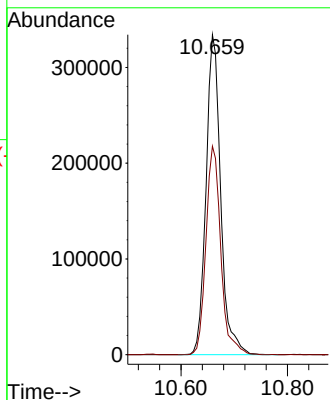
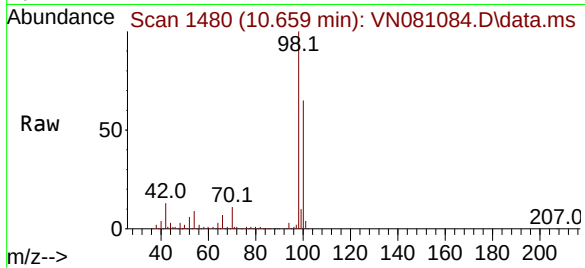




#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.659 min Scan# 1461
Delta R.T. 0.094 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

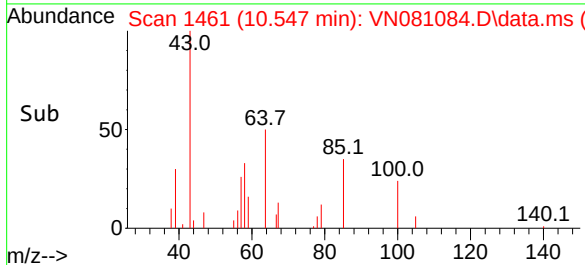
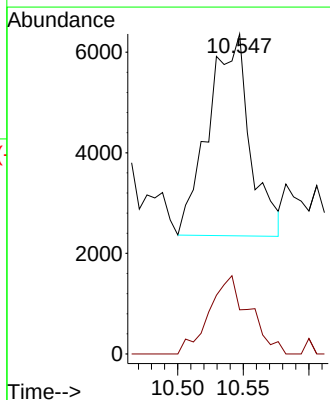
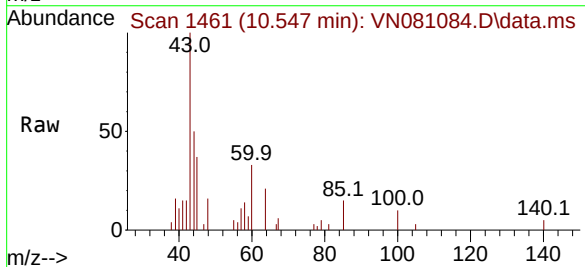
Instrument :
MSVOA_N
ClientSampleId :
IDW-20240215

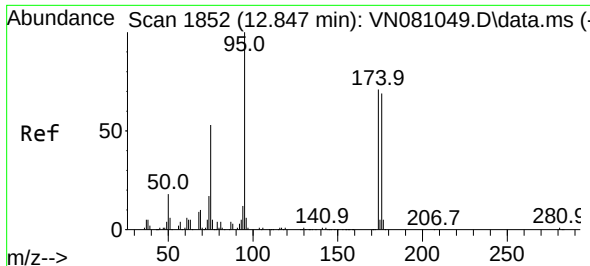
Tgt Ion: 98 Resp: 638632
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.558 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.100 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

Tgt Ion: 43 Resp: 8796
Ion Ratio Lower Upper
43 100
58 37.6 29.4 44.0

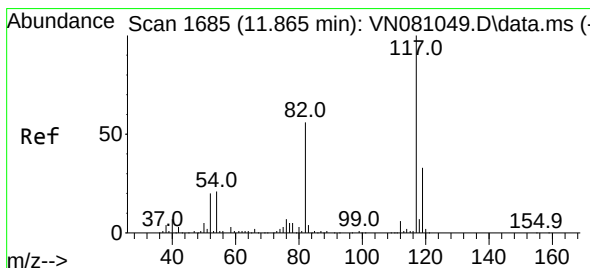
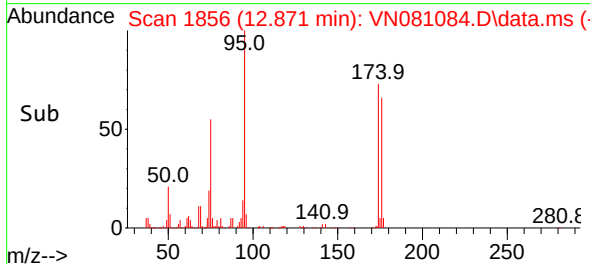
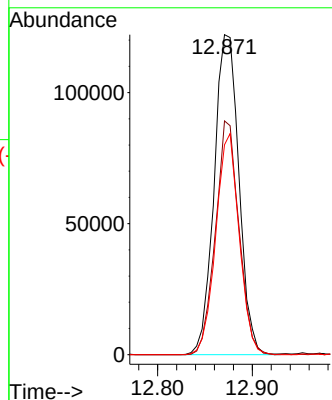
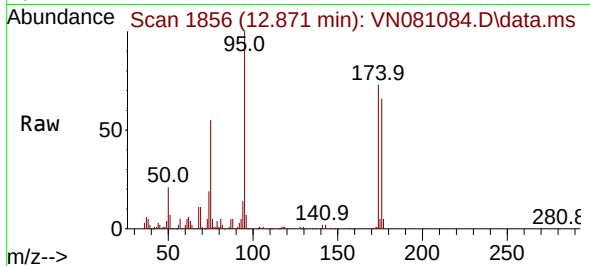




#62
4-Bromofluorobenzene
Concen: 45.836 ug/l
RT: 12.871 min Scan# 1856
Delta R.T. 0.024 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

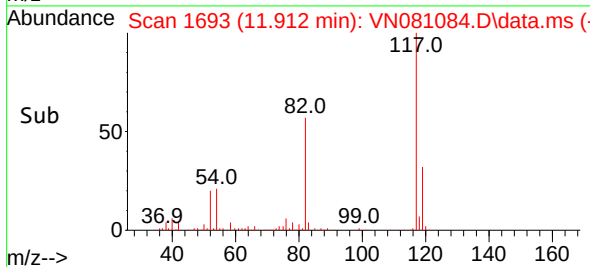
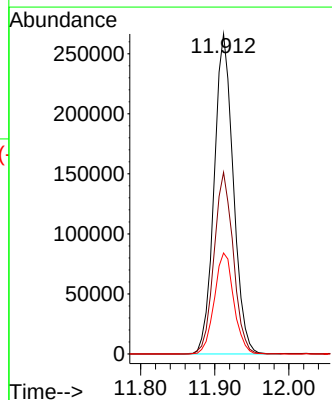
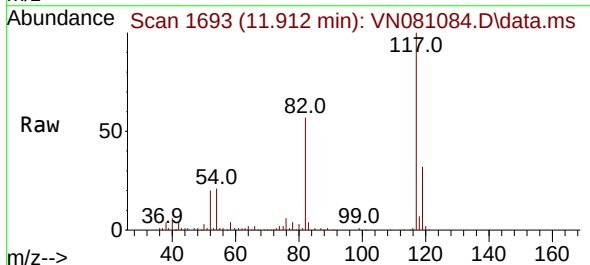
Instrument :
MSVOA_N
ClientSampleId :
IDW-20240215

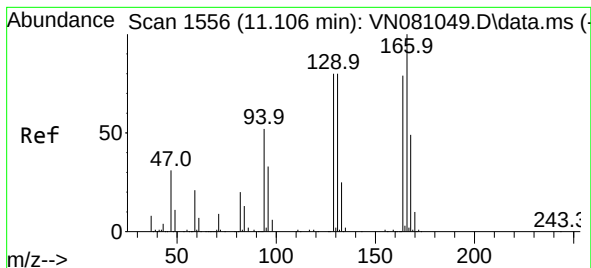
Tgt Ion: 95 Resp: 221947
Ion Ratio Lower Upper
95 100
174 69.2 0.0 120.4
176 65.3 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.912 min Scan# 1693
Delta R.T. 0.047 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

Tgt Ion: 117 Resp: 477570
Ion Ratio Lower Upper
117 100
82 56.7 52.7 79.1
119 31.6 25.3 37.9





#64

Tetrachloroethene

Concen: 1.646 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. 0.071 min

Lab File: VN081084.D

Acq: 19 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

IDW-20240215

Tgt Ion:164 Resp: 5364

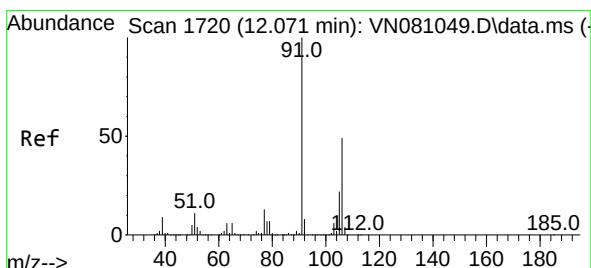
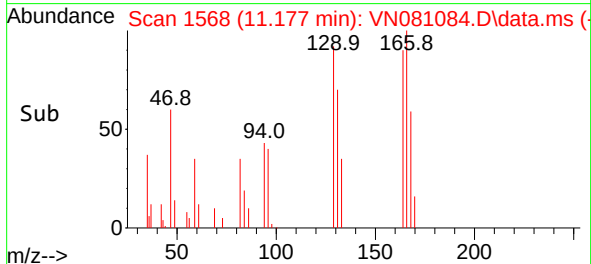
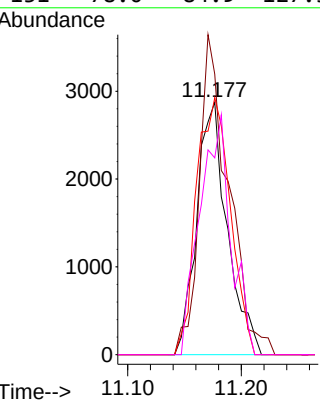
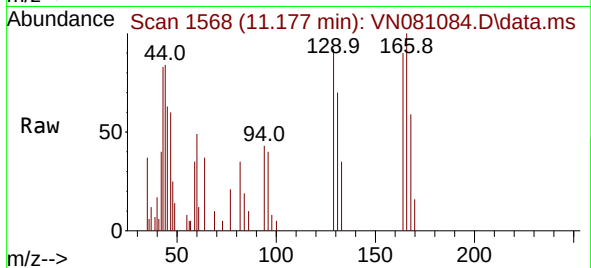
Ion Ratio Lower Upper

164 100

166 111.1 105.8 158.6

129 101.8 89.6 134.4

131 78.0 84.9 127.3#



#68

m/p-Xylenes

Concen: 1.837 ug/l

RT: 12.112 min Scan# 1727

Delta R.T. 0.041 min

Lab File: VN081084.D

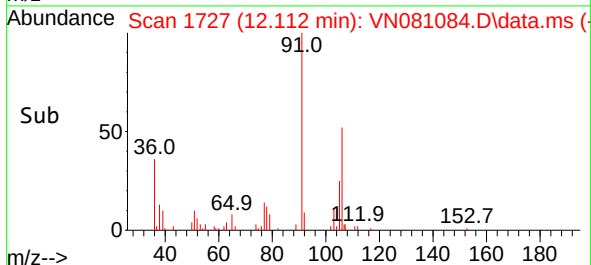
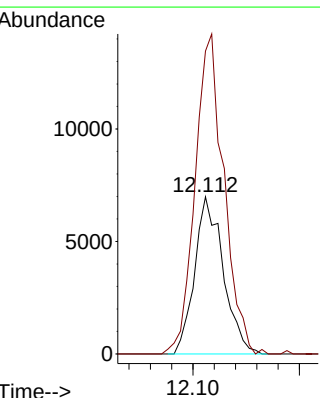
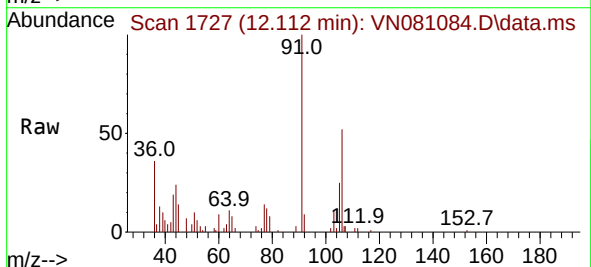
Acq: 19 Feb 2024 18:29

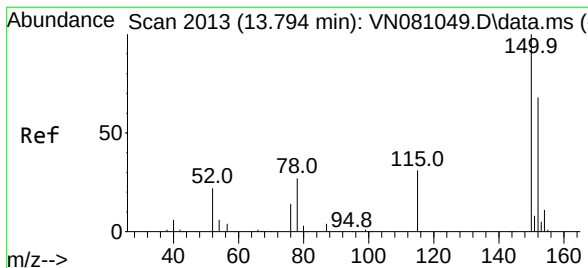
Tgt Ion:106 Resp: 13023

Ion Ratio Lower Upper

106 100

91 205.1 169.0 253.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. 0.012 min

Lab File: VN081084.D

Acq: 19 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

IDW-20240215

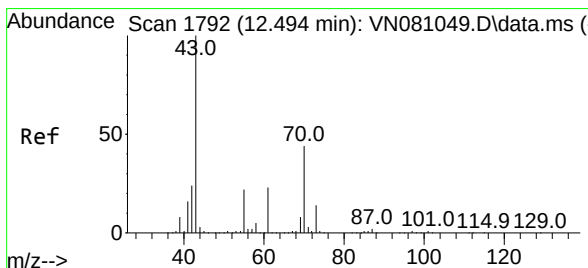
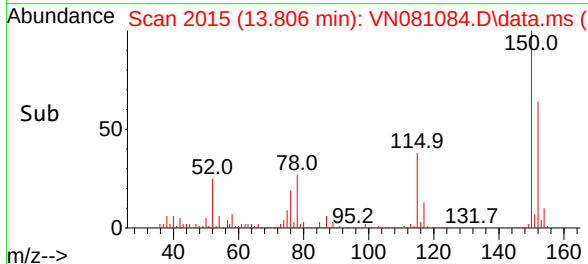
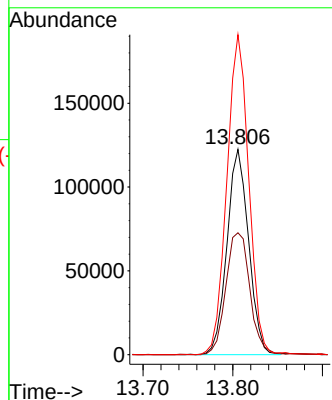
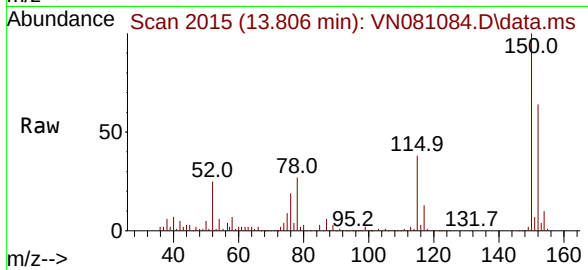
Tgt Ion:152 Resp: 205074

Ion Ratio Lower Upper

152 100

115 66.2 32.3 96.8

150 158.0 0.0 339.8



#74

N-ethyl acetate

Concen: 0.378 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN081084.D

Acq: 19 Feb 2024 18:29

Tgt Ion: 43 Resp: 2868

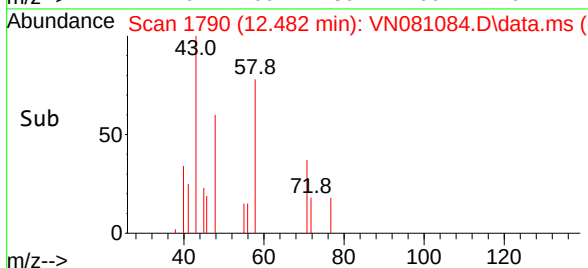
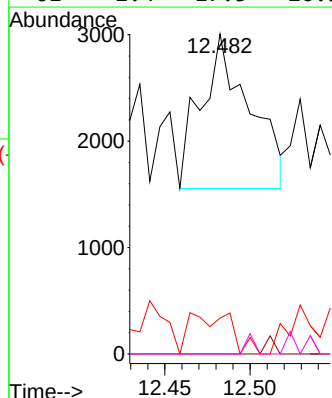
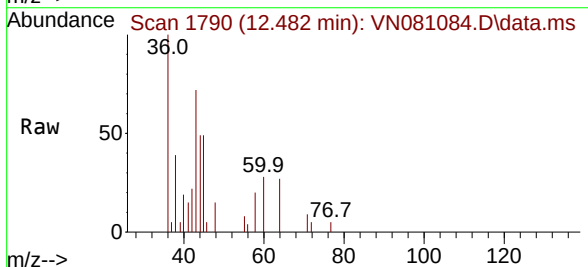
Ion Ratio Lower Upper

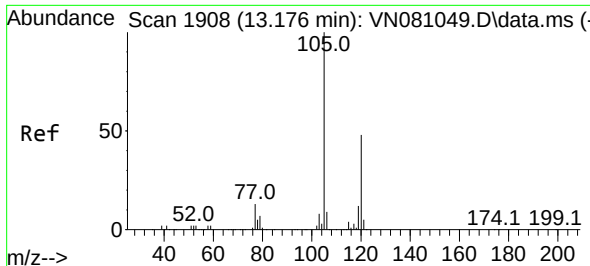
43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 2.4 17.5 26.3#

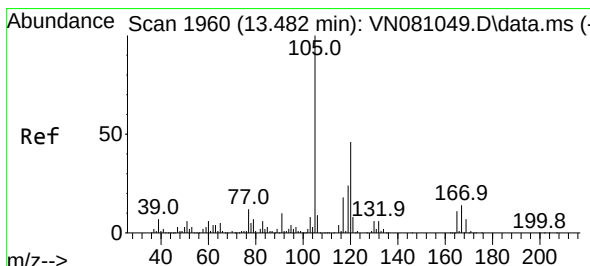
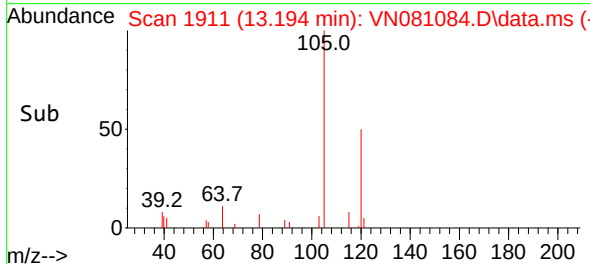
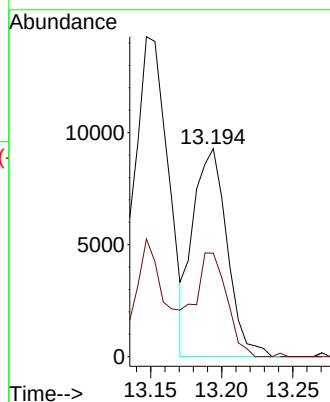
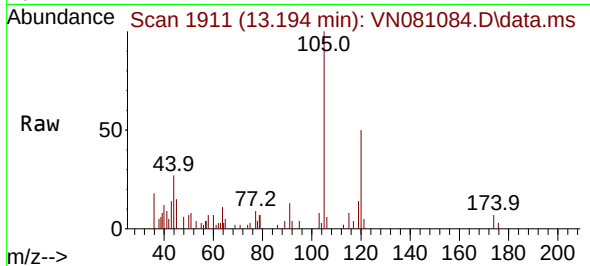




#80
1,3,5-Trimethylbenzene
Concen: 1.064 ug/l
RT: 13.194 min Scan# 1911
Delta R.T. 0.018 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :
IDW-20240215

Tgt Ion:105 Resp: 15481
Ion Ratio Lower Upper
105 100
120 47.0 23.0 69.0



#84
1,2,4-Trimethylbenzene
Concen: 0.338 ug/l
RT: 13.500 min Scan# 1963
Delta R.T. 0.018 min
Lab File: VN081084.D
Acq: 19 Feb 2024 18:29

Tgt Ion:105 Resp: 4906
Ion Ratio Lower Upper
105 100
120 37.5 20.9 62.7

