

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081247.D
 Acq On : 28 Feb 2024 16:53
 Operator : JC\MD
 Sample : P1590-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW181S-20240223

Quant Time: Feb 28 23:28:51 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)

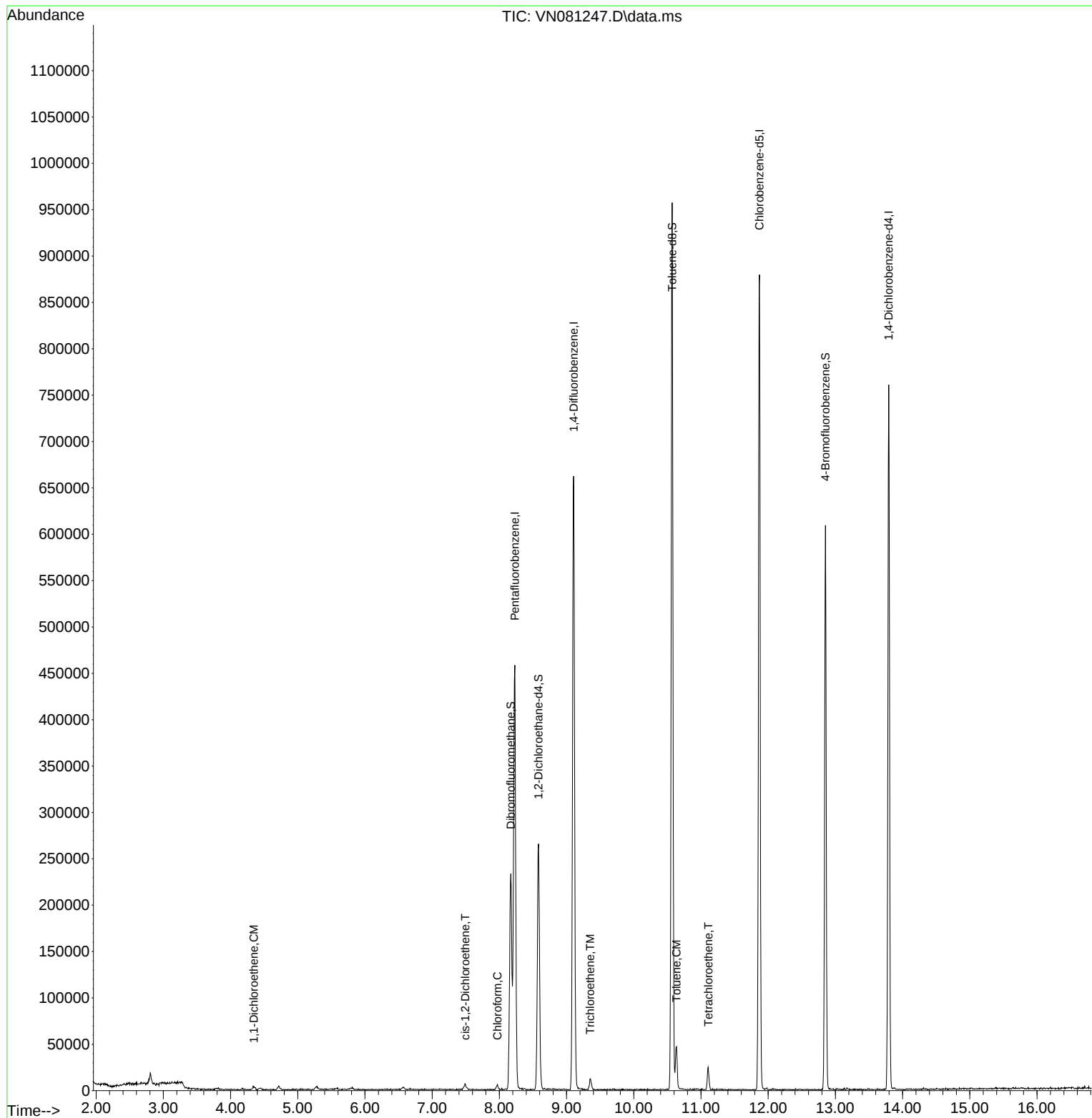
Internal Standards						
1) Pentafluorobenzene	8.229	168	308900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	504974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	190627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	211370	55.826	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.660%	
35) Dibromofluoromethane	8.171	113	162980	49.825	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.640%	
50) Toluene-d8	10.570	98	642457	55.299	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	110.600%	
62) 4-Bromofluorobenzene	12.853	95	203917	46.711	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	93.420%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.347	96	1932	0.553	ug/l #	59
27) cis-1,2-Dichloroethene	7.494	96	3332	0.736	ug/l	75
30) Chloroform	7.971	83	4253	0.588	ug/l #	79
44) Trichloroethene	9.353	130	4588	1.062	ug/l	87
52) Toluene	10.635	92	20160	1.963	ug/l	96
64) Tetrachloroethene	11.112	164	4660	1.352	ug/l #	72

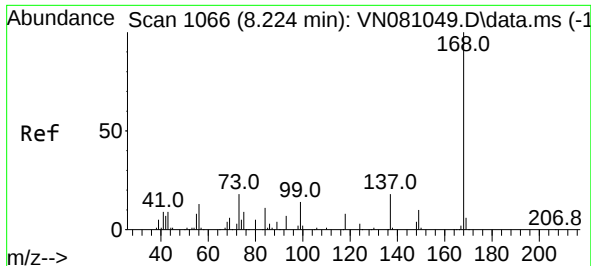
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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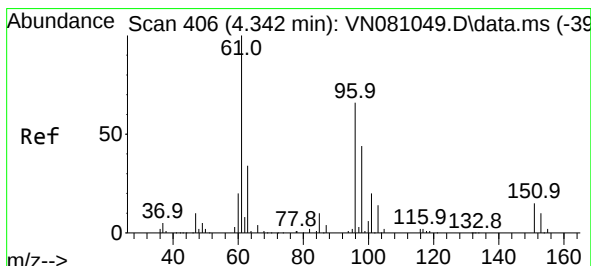
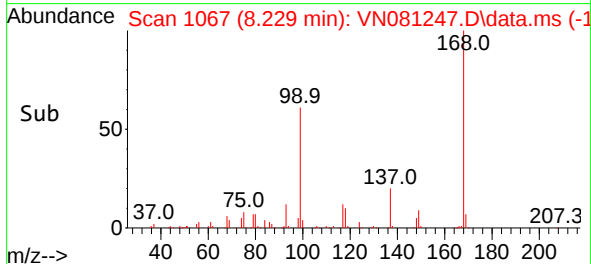
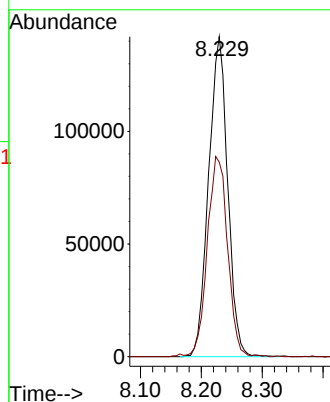
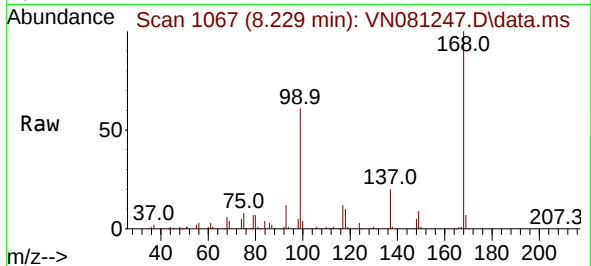




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

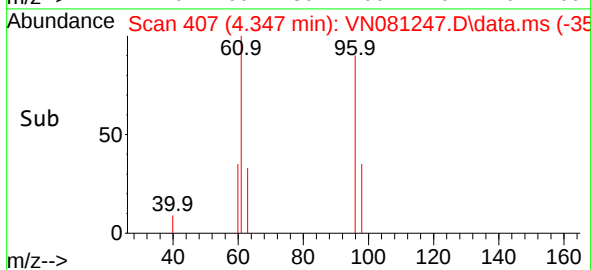
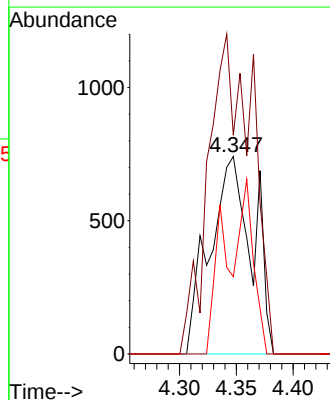
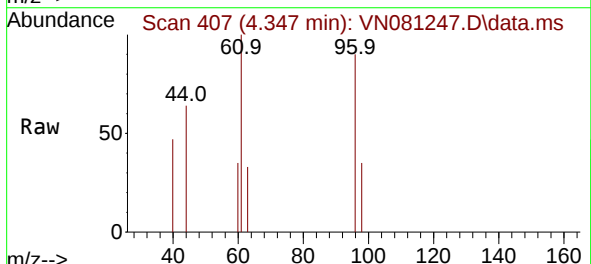
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

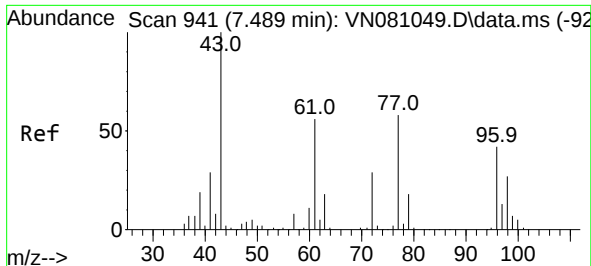
Tgt Ion:168 Resp: 308900
Ion Ratio Lower Upper
168 100
99 60.6 59.9 89.9



#12
1,1-Dichloroethene
Concen: 0.553 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 96 Resp: 1932
Ion Ratio Lower Upper
96 100
61 110.8 138.2 207.4#
98 39.1 49.2 73.8#

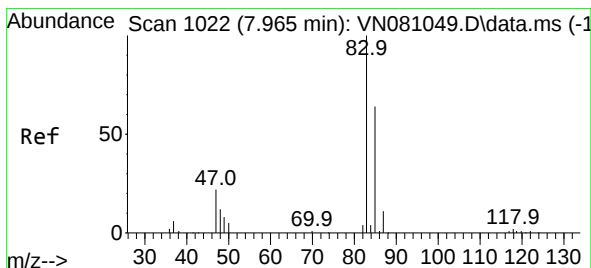
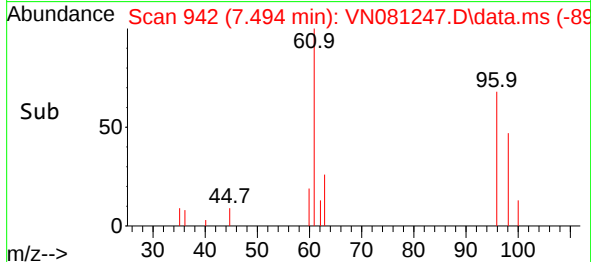
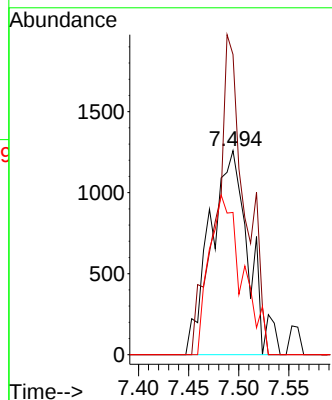
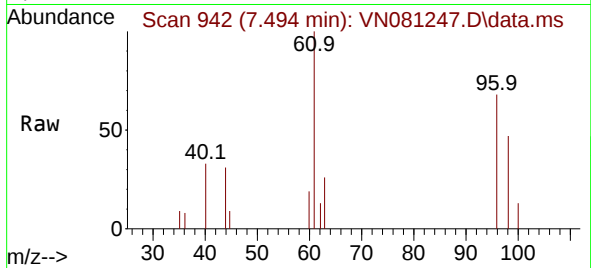




#27
 cis-1,2-Dichloroethene
 Concen: 0.736 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN081247.D
 Acq: 28 Feb 2024 16:53

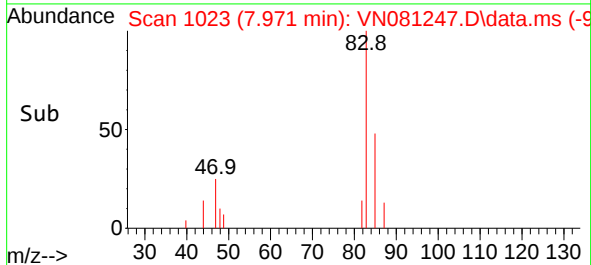
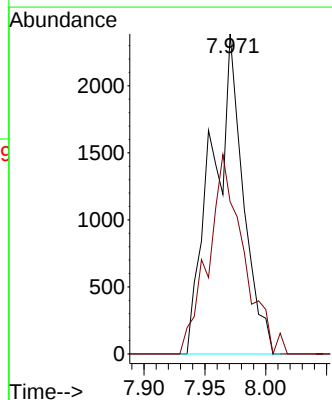
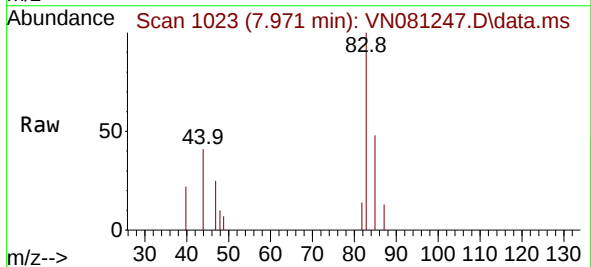
Instrument :
 MSVOA_N
 ClientSampleId :
 MW181S-20240223

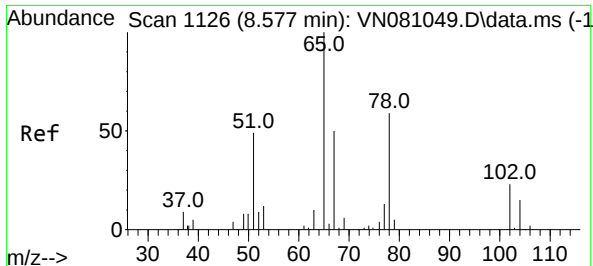
Tgt Ion: 96 Resp: 3332
 Ion Ratio Lower Upper
 96 100
 61 117.5 0.0 325.4
 98 67.7 0.0 130.4



#30
 Chloroform
 Concen: 0.588 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.006 min
 Lab File: VN081247.D
 Acq: 28 Feb 2024 16:53

Tgt Ion: 83 Resp: 4253
 Ion Ratio Lower Upper
 83 100
 85 47.5 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 55.826 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

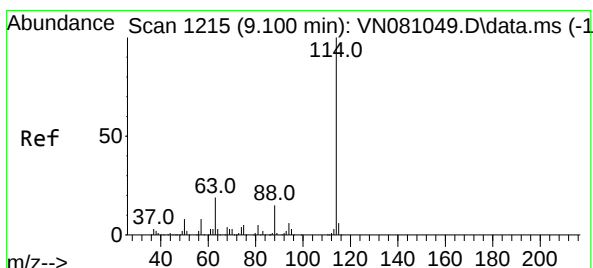
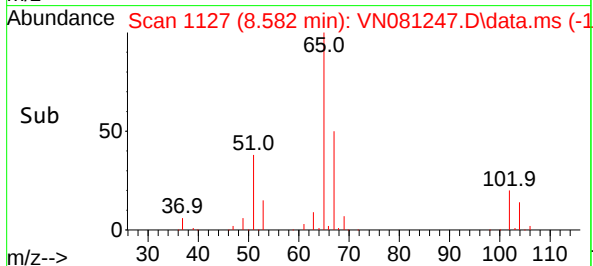
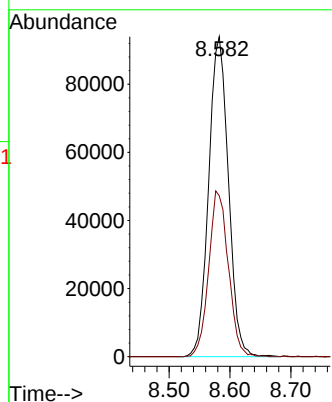
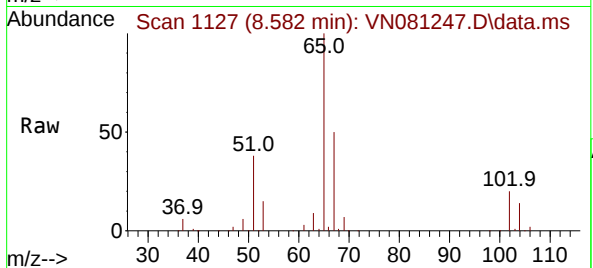
MW181S-20240223

Tgt Ion: 65 Resp: 211370

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

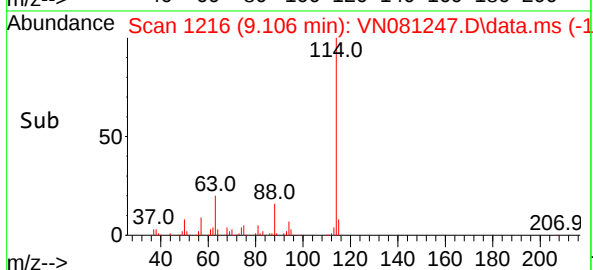
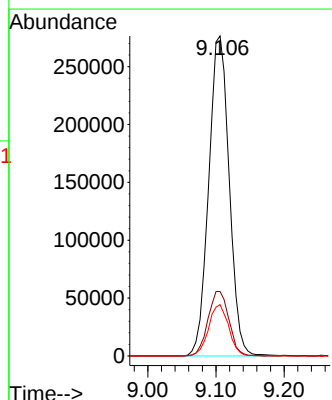
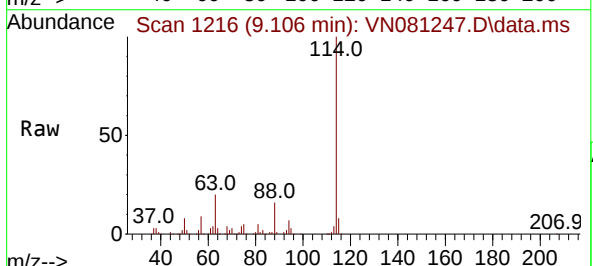
Tgt Ion: 114 Resp: 578466

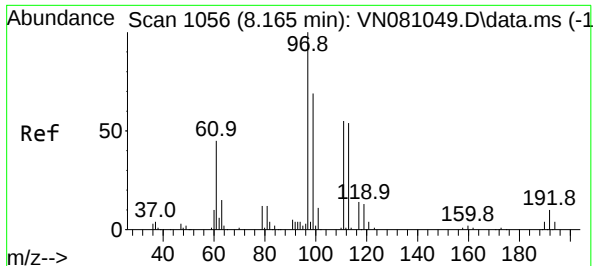
Ion Ratio Lower Upper

114 100

63 20.2 0.0 48.0

88 16.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.825 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

MW181S-20240223

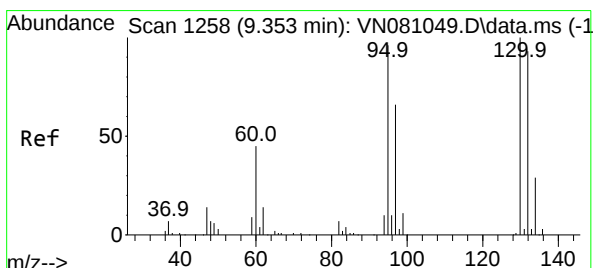
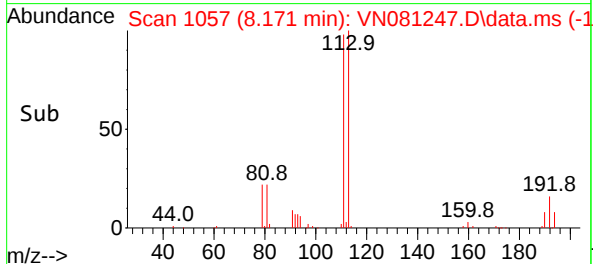
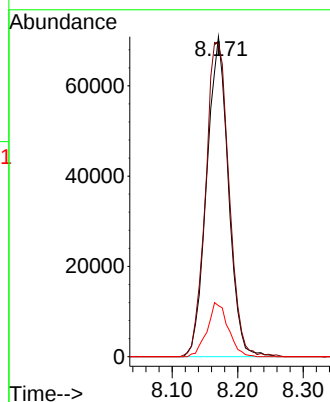
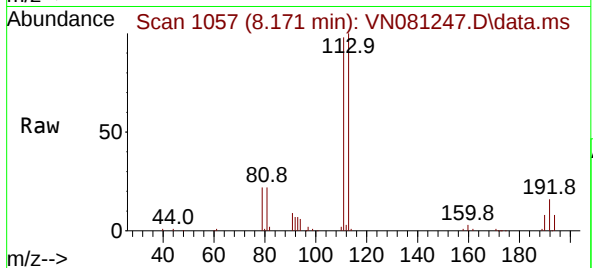
Tgt Ion:113 Resp: 162980

Ion Ratio Lower Upper

113 100

111 106.1 82.2 123.4

192 16.4 12.5 18.7



#44

Trichloroethene

Concen: 1.062 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN081247.D

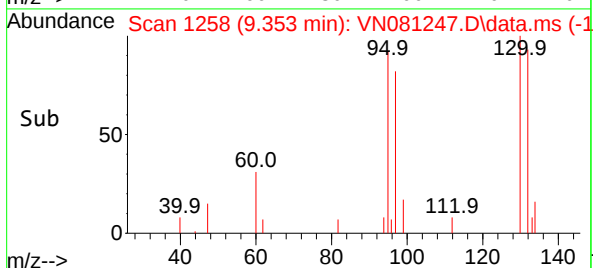
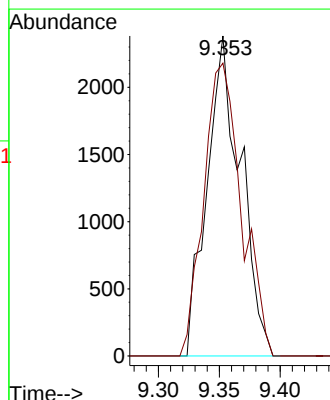
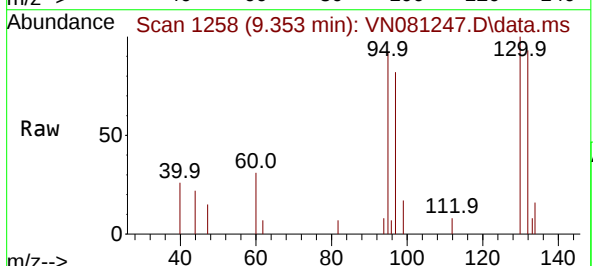
Acq: 28 Feb 2024 16:53

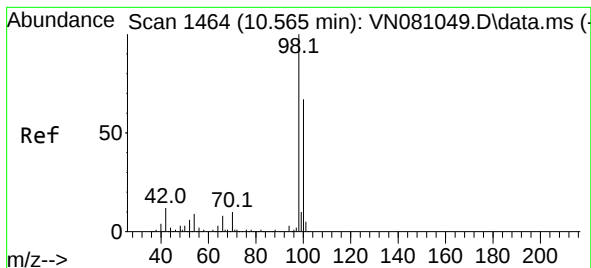
Tgt Ion:130 Resp: 4588

Ion Ratio Lower Upper

130 100

95 91.5 0.0 210.4





#50

Toluene-d8

Concen: 55.299 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

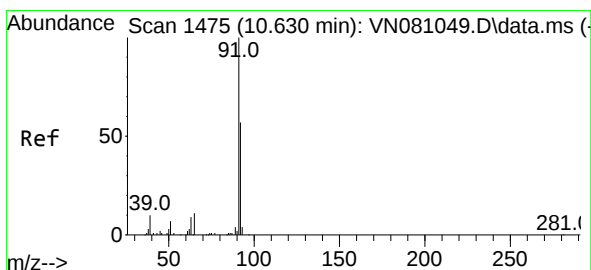
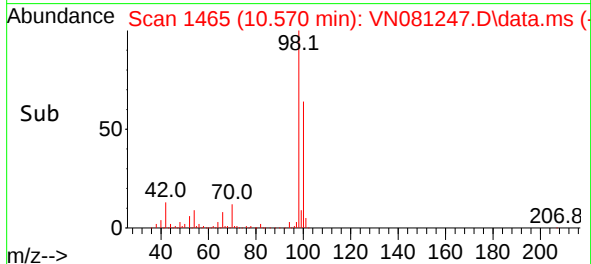
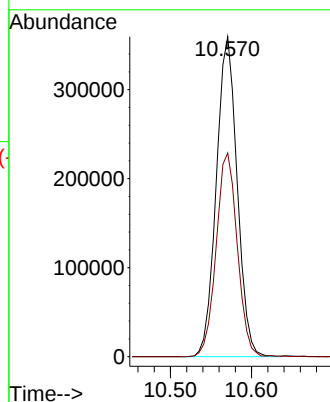
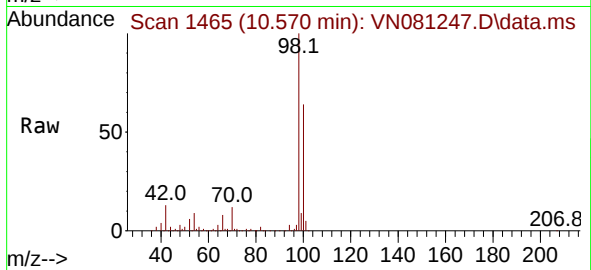
MW181S-20240223

Tgt Ion: 98 Resp: 642457

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



#52

Toluene

Concen: 1.963 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN081247.D

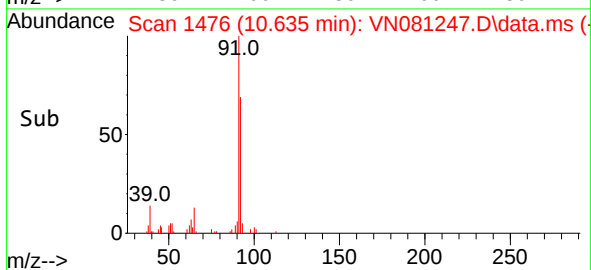
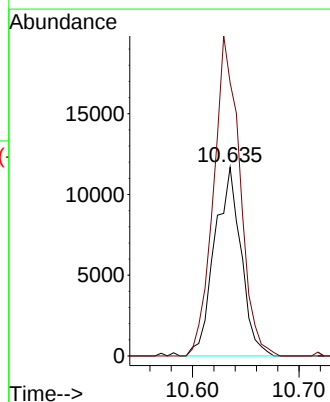
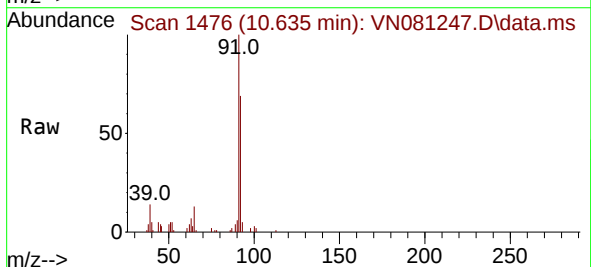
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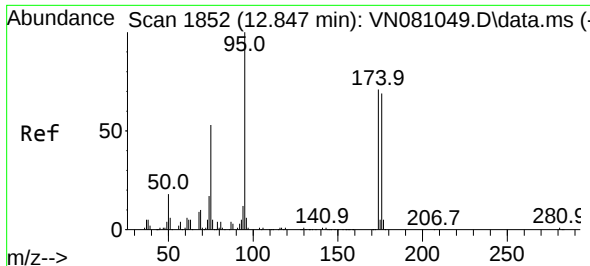
Tgt Ion: 92 Resp: 20160

Ion Ratio Lower Upper

92 100

91 168.3 139.4 209.0

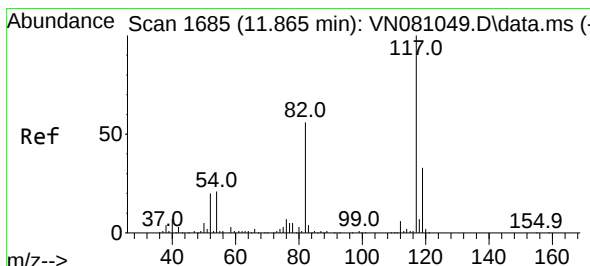
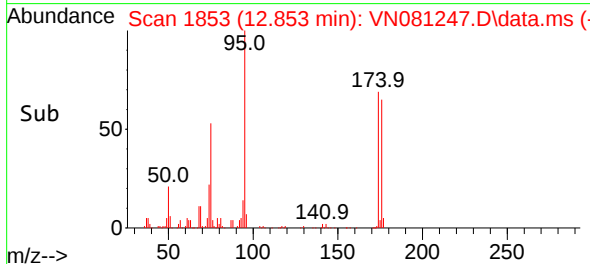
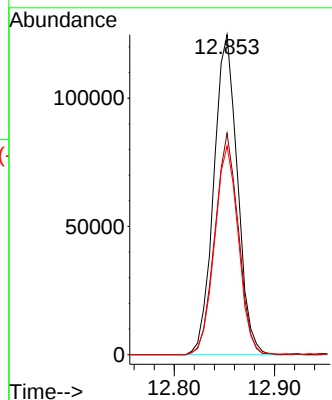
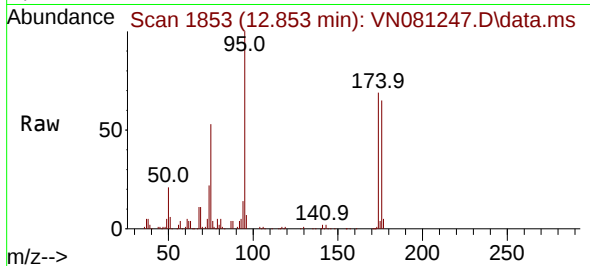




#62
4-Bromofluorobenzene
Concen: 46.711 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

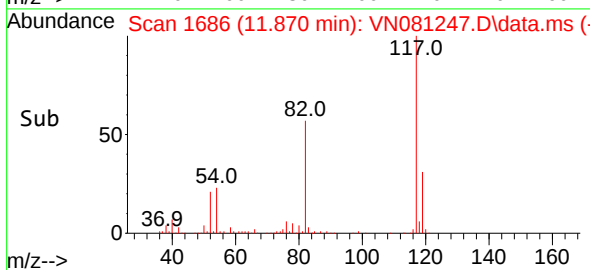
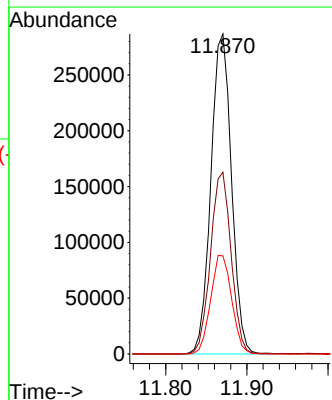
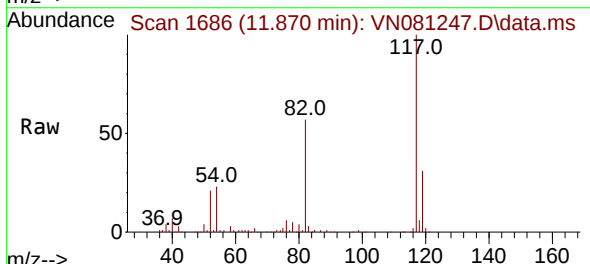
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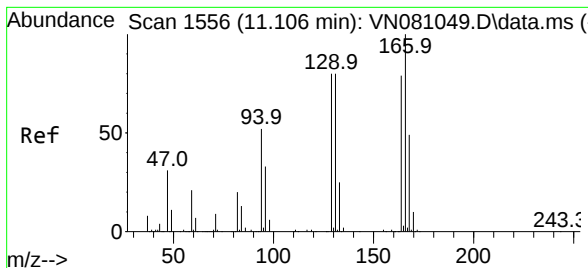
Tgt Ion: 95 Resp: 203917
Ion Ratio Lower Upper
95 100
174 68.8 0.0 120.4
176 65.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 117 Resp: 504974
Ion Ratio Lower Upper
117 100
82 56.8 52.7 79.1
119 30.7 25.3 37.9





#64

Tetrachloroethene

Concen: 1.352 ug/l

RT: 11.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081247.D

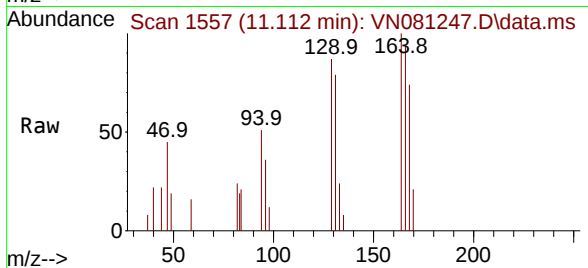
Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

MW181S-20240223



Tgt Ion:164 Resp: 4660

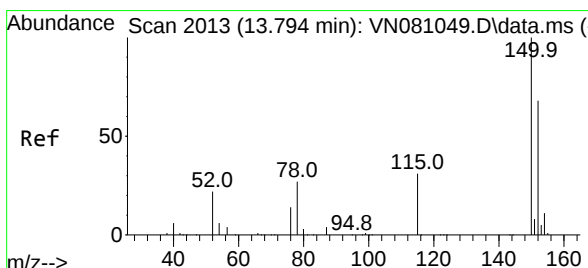
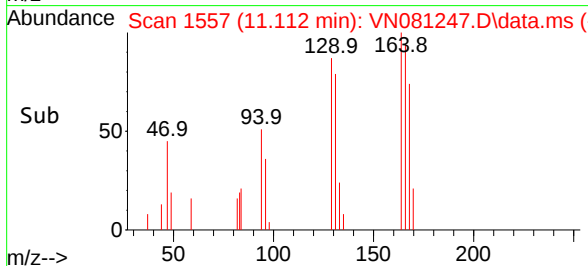
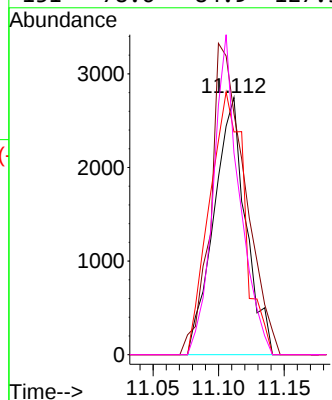
Ion Ratio Lower Upper

164 100

166 93.8 105.8 158.6#

129 86.6 89.6 134.4#

131 78.6 84.9 127.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Tgt Ion:152 Resp: 190627

Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

150 162.0 0.0 339.8

