

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077811.D
 Acq On : 23 May 2023 13:07
 Operator : JC\MD
 Sample : 02880-16DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230519DL

Quant Time: May 24 02:54:02 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)

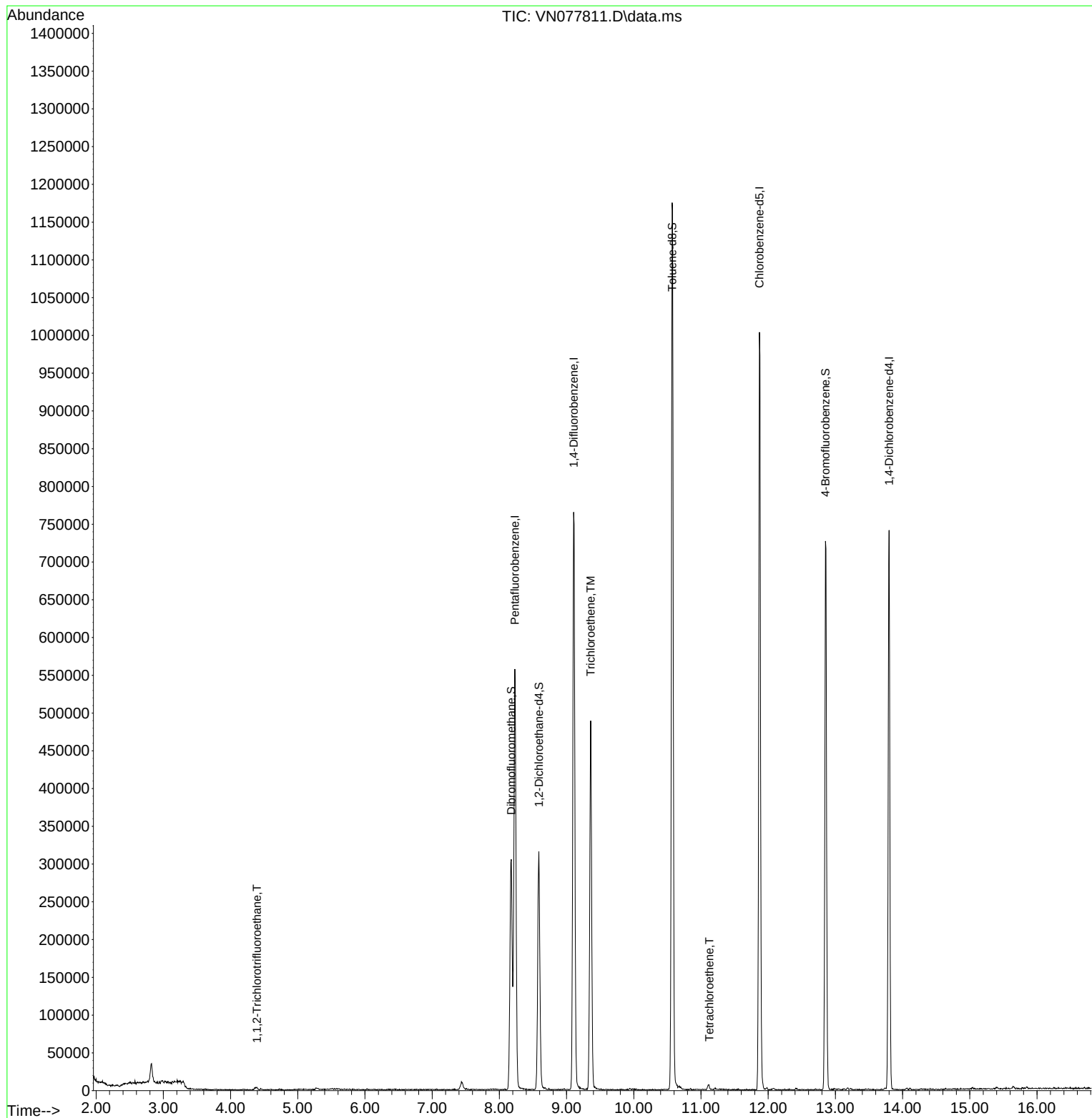
Internal Standards						
1) Pentafluorobenzene	8.229	168	397575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	700518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	606471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	203354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257630	43.308	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.620%
35) Dibromofluoromethane	8.177	113	225815	49.434	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.860%
50) Toluene-d8	10.571	98	859399	48.878	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.853	95	272027	43.806	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.620%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.394	101	2472	0.562	ug/l #	33
44) Trichloroethene	9.359	130	172600	34.572	ug/l	95
64) Tetrachloroethene	11.123	164	1708	0.403	ug/l #	67

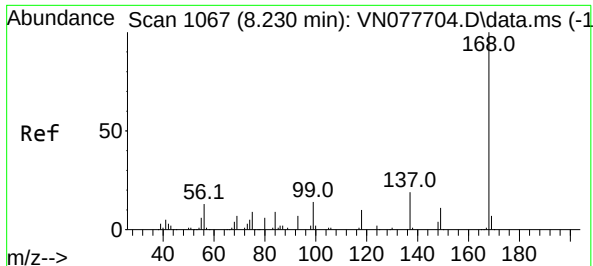
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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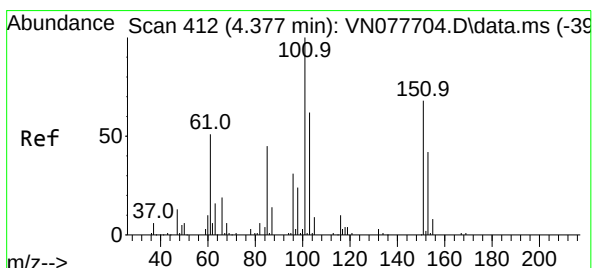
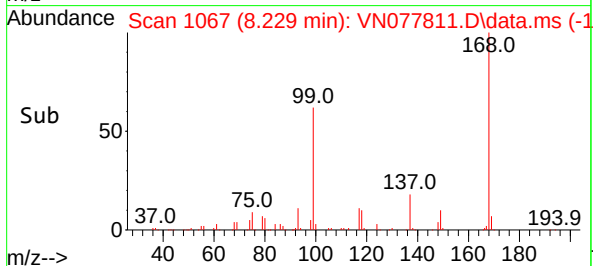
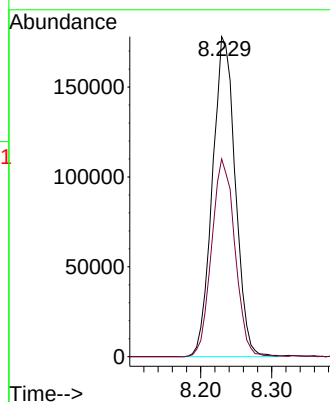
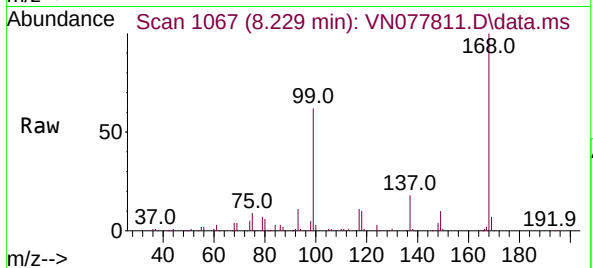




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

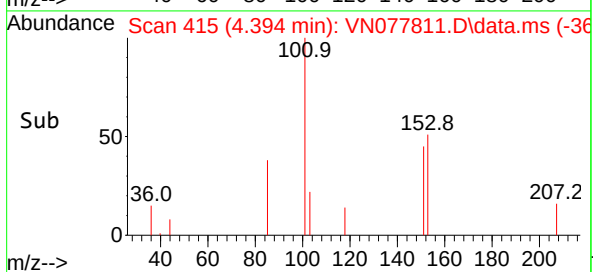
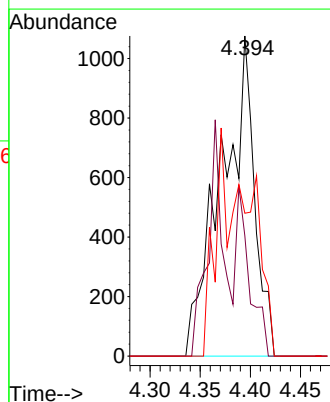
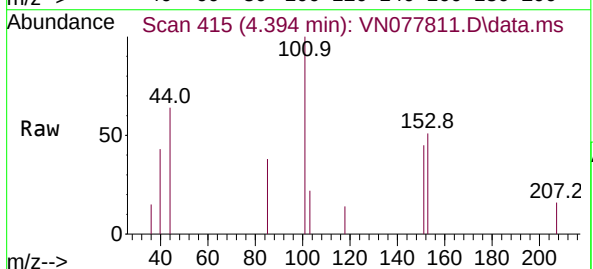
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

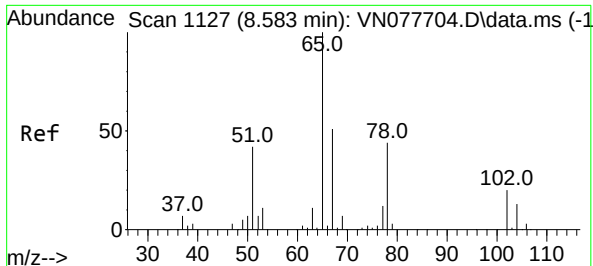
Tgt Ion:168 Resp: 397575
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.562 ug/l
RT: 4.394 min Scan# 415
Delta R.T. 0.017 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion:101 Resp: 2472
Ion Ratio Lower Upper
101 100
85 21.1 36.6 55.0#
151 0.0 57.6 86.4#





#33

1,2-Dichloroethane-d4

Concen: 43.308 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077811.D

Acq: 23 May 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

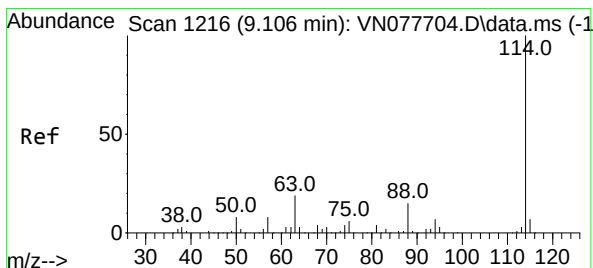
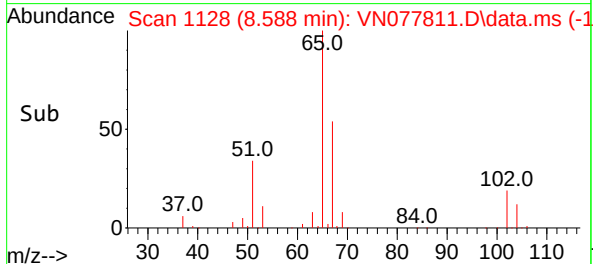
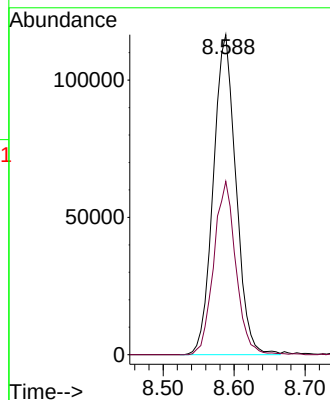
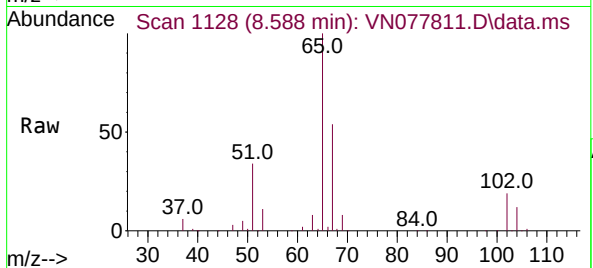
RW4-20230519DL

Tgt Ion: 65 Resp: 257630

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077811.D

Acq: 23 May 2023 13:07

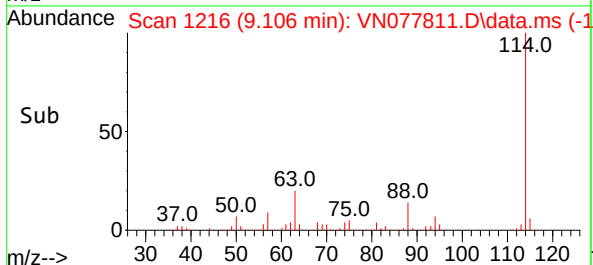
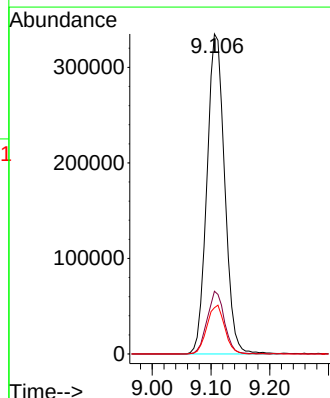
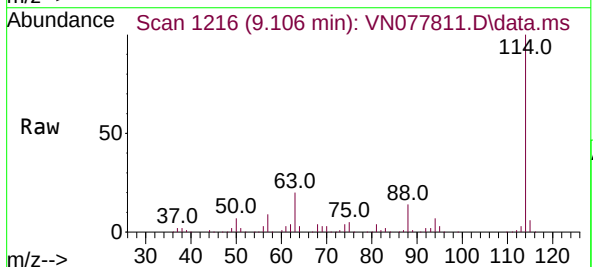
Tgt Ion: 114 Resp: 700518

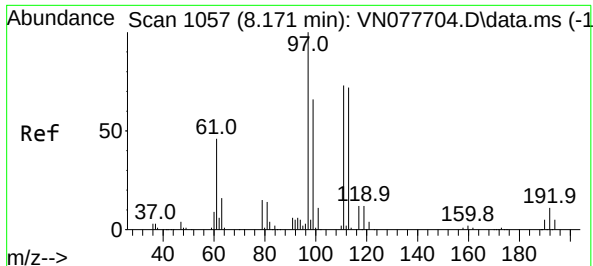
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 14.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.434 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077811.D

Acq: 23 May 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

RW4-20230519DL

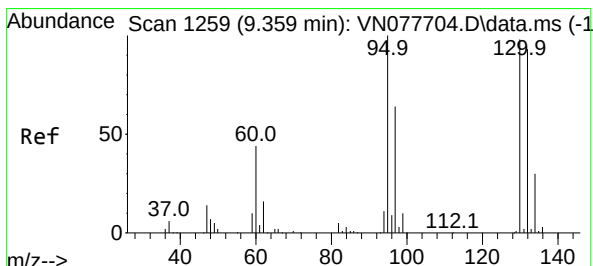
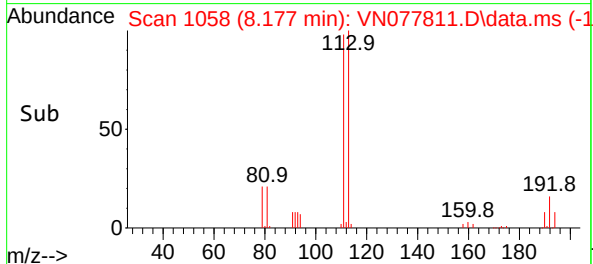
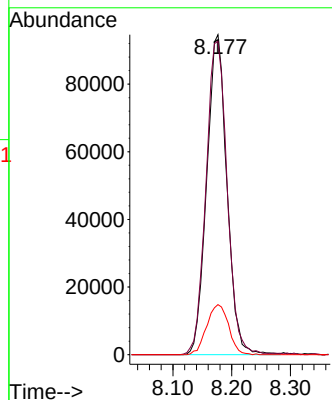
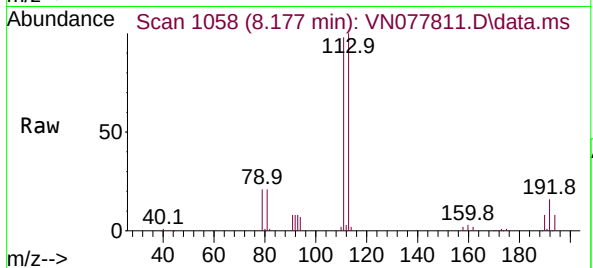
Tgt Ion:113 Resp: 225815

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.0 12.7 19.1



#44

Trichloroethene

Concen: 34.572 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN077811.D

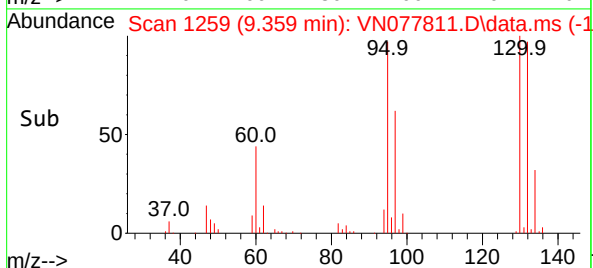
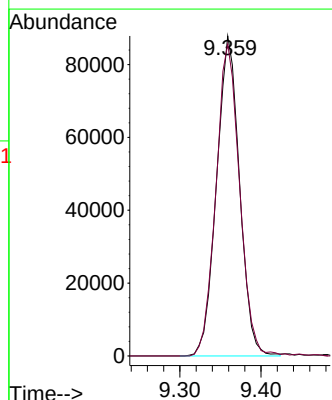
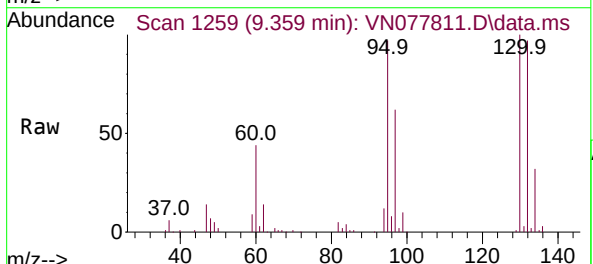
Acq: 23 May 2023 13:07

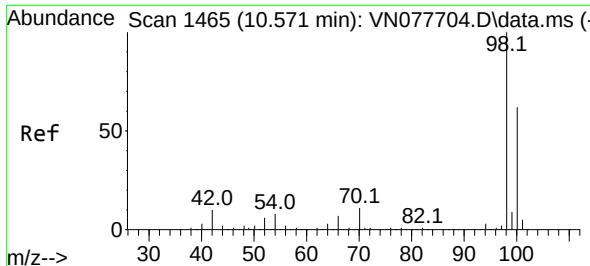
Tgt Ion:130 Resp: 172600

Ion Ratio Lower Upper

130 100

95 97.4 0.0 204.6

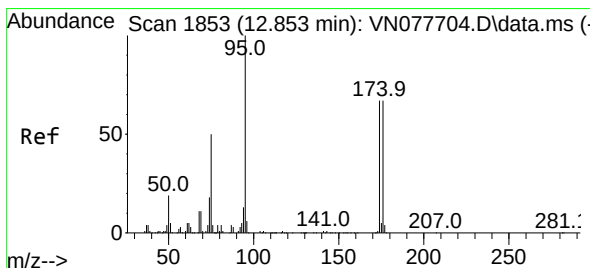
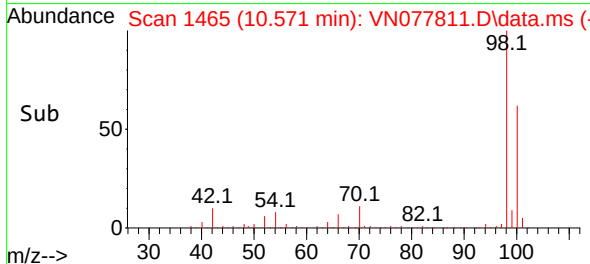
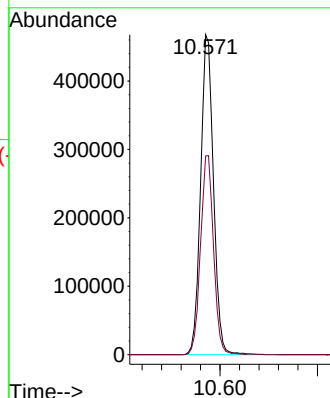
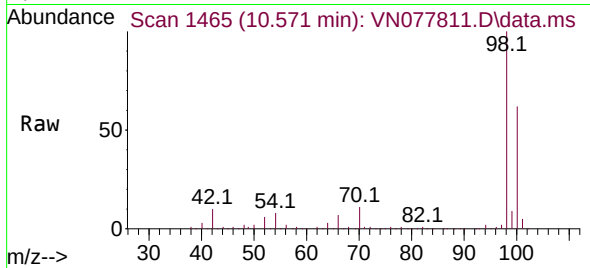




#50
Toluene-d8
Concen: 48.878 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

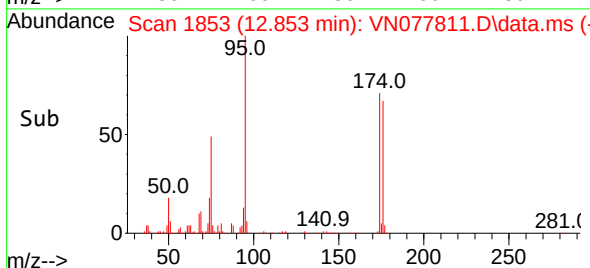
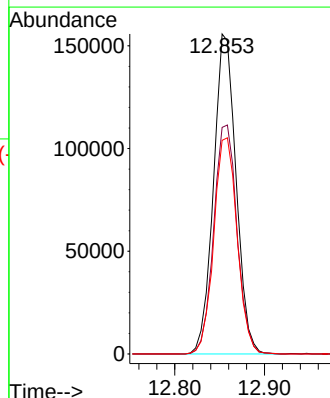
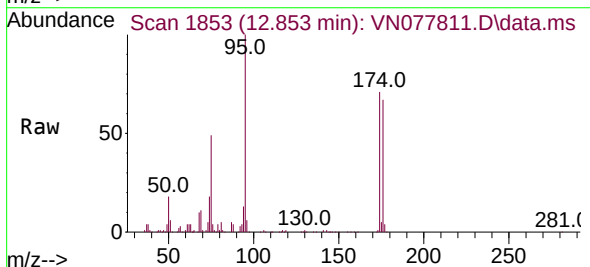
Instrument :
MSVOA_N
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RW4-20230519DL

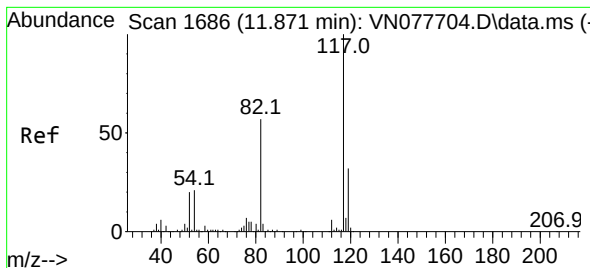
Tgt Ion: 98 Resp: 859399
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.806 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 95 Resp: 272027
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 69.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077811.D

Acq: 23 May 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

RW4-20230519DL

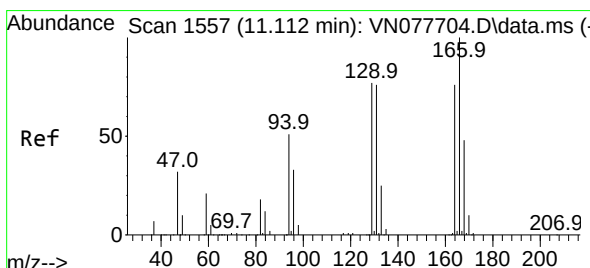
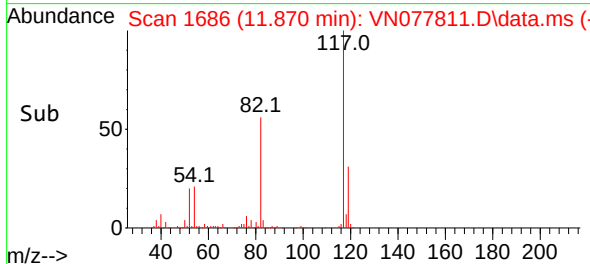
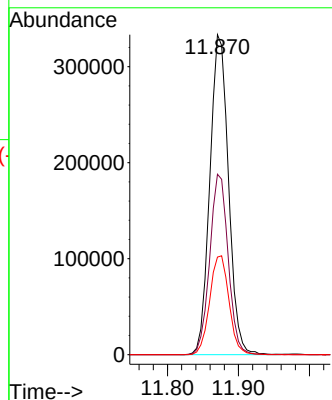
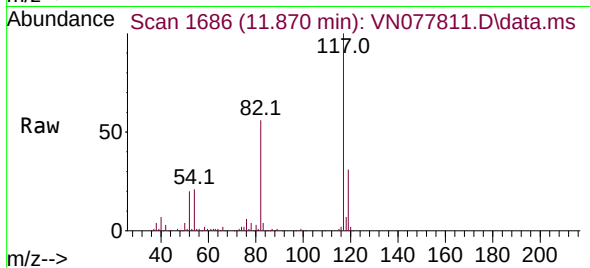
Tgt Ion:117 Resp: 606471

Ion Ratio Lower Upper

117 100

82 56.4 44.0 66.0

119 30.5 25.6 38.4



#64

Tetrachloroethene

Concen: 0.403 ug/l

RT: 11.123 min Scan# 1559

Delta R.T. 0.011 min

Lab File: VN077811.D

Acq: 23 May 2023 13:07

Tgt Ion:164 Resp: 1708

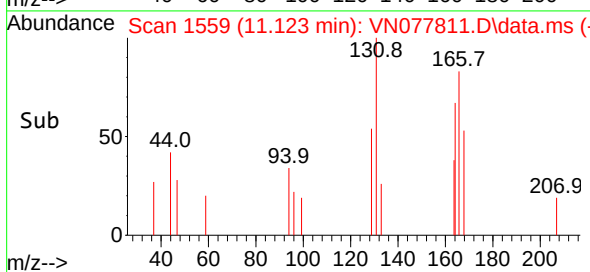
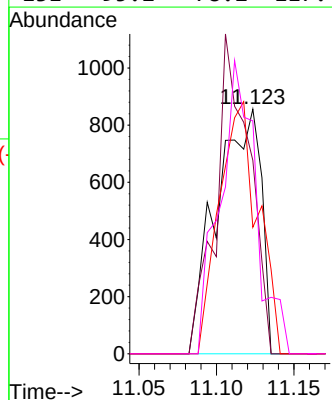
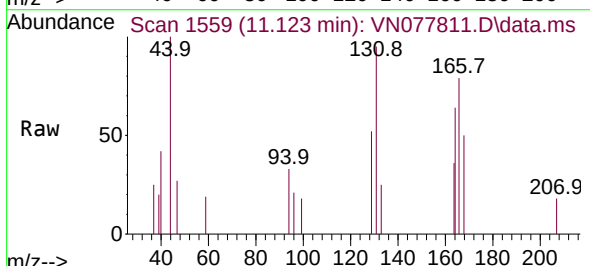
Ion Ratio Lower Upper

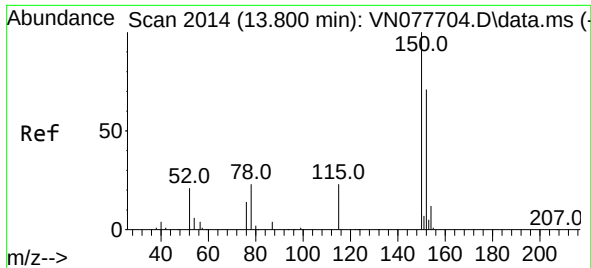
164 100

166 79.1 101.4 152.0#

129 51.8 82.4 123.6#

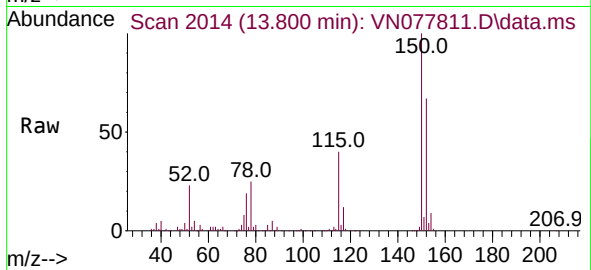
131 95.2 78.2 117.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077811.D
 Acq: 23 May 2023 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230519DL



Tgt Ion:152 Resp: 203354
 Ion Ratio Lower Upper
 152 100
 115 60.4 32.3 96.8
 150 156.1 0.0 355.8

