

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077991.D
 Acq On : 31 May 2023 14:32
 Operator : JC\MD
 Sample : 02973-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140N-20230526

Quant Time: Jun 01 01:51:55 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)

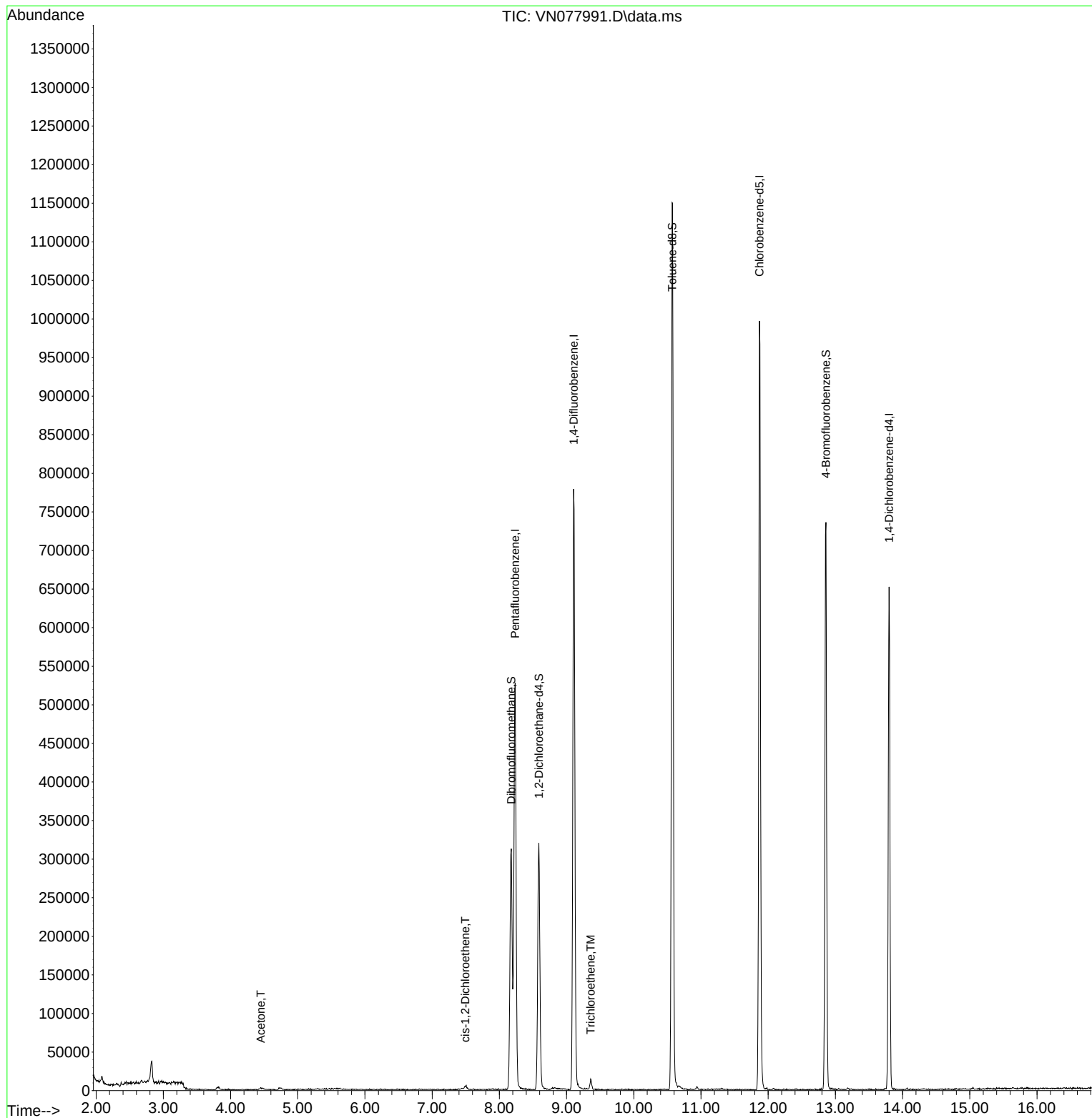
Internal Standards						
1) Pentafluorobenzene	8.235	168	380249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	697375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	600181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	176045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	266023	46.757	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.520%
35) Dibromofluoromethane	8.177	113	230062	50.591	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.180%
50) Toluene-d8	10.571	98	852182	48.686	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.859	95	266607	43.127	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	4039	2.256	ug/l #	86
27) cis-1,2-Dichloroethene	7.494	96	2713	0.504	ug/l	97
44) Trichloroethene	9.359	130	4221	0.849	ug/l	85

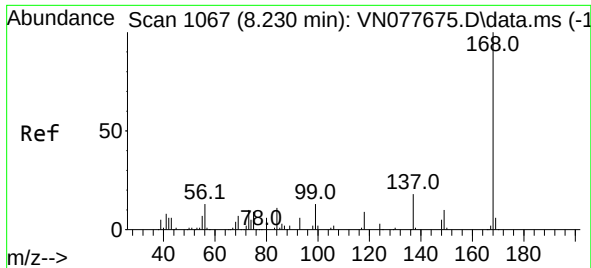
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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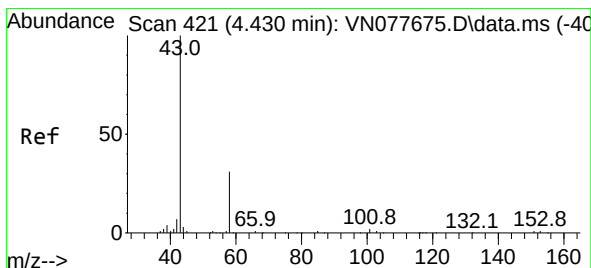
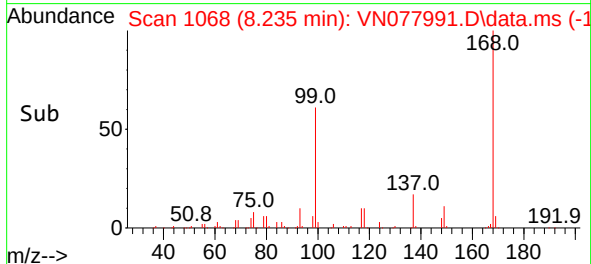
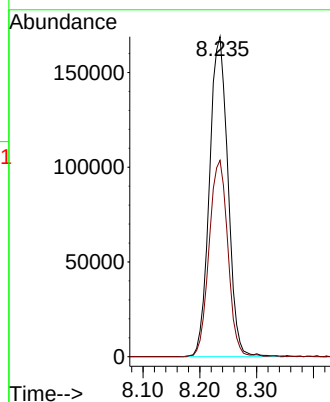
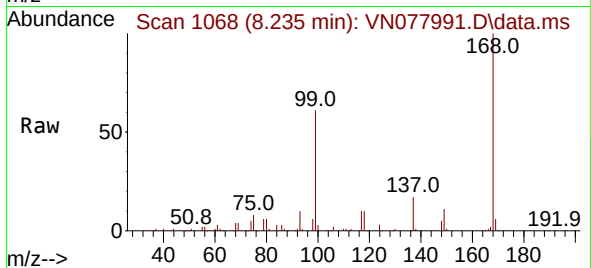




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

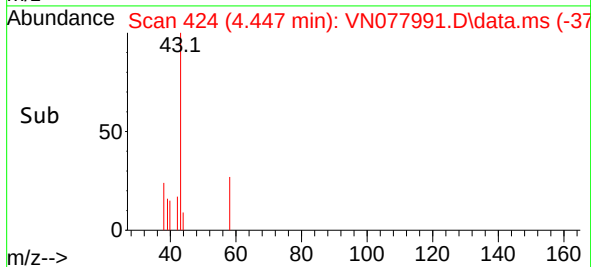
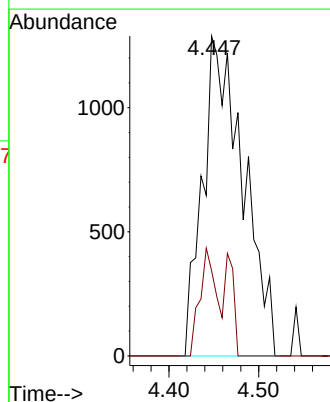
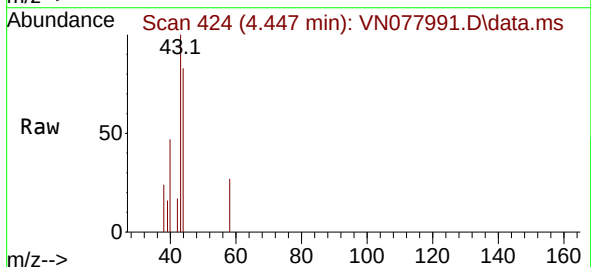
Instrument :
MSVOA_N
ClientSampleId :
MH-140N-20230526

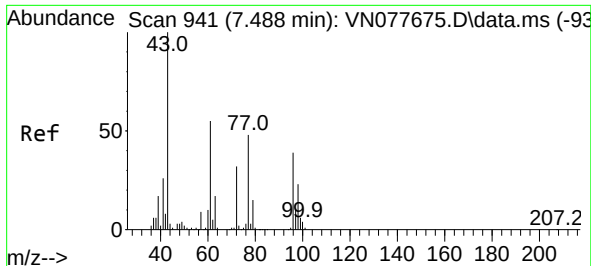
Tgt Ion:168 Resp: 380249
Ion Ratio Lower Upper
168 100
99 61.3 53.0 79.6



#16
Acetone
Concen: 2.256 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Tgt Ion: 43 Resp: 4039
Ion Ratio Lower Upper
43 100
58 26.7 28.0 42.0#

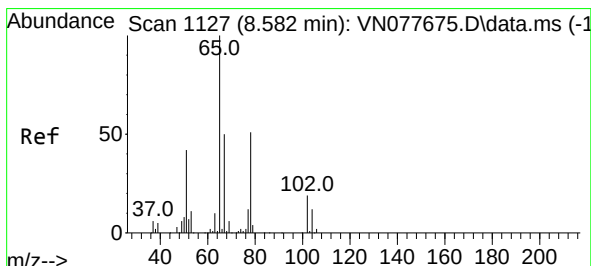
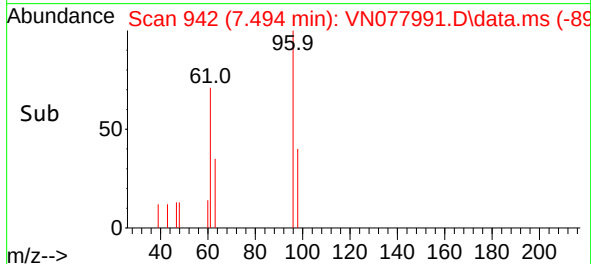
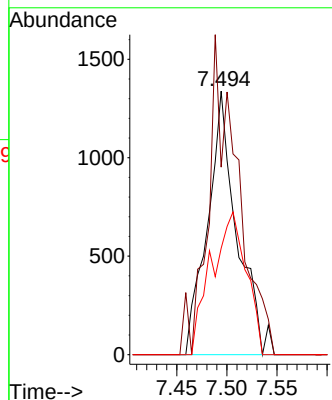
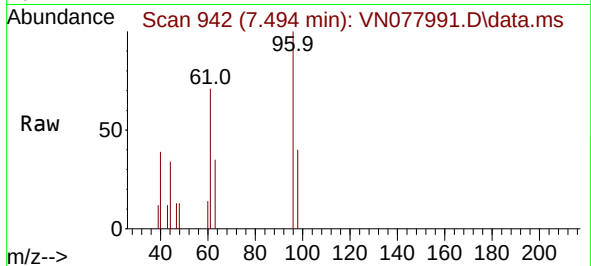




#27
 cis-1,2-Dichloroethene
 Concen: 0.504 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: VN077991.D
 Acq: 31 May 2023 14:32

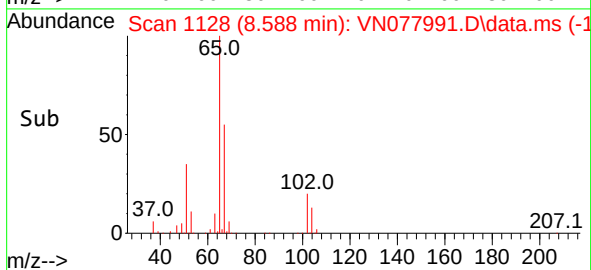
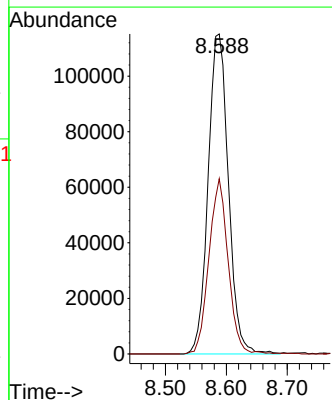
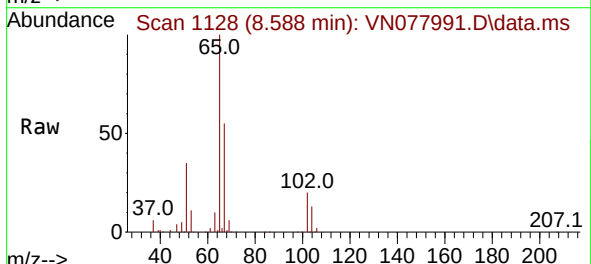
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140N-20230526

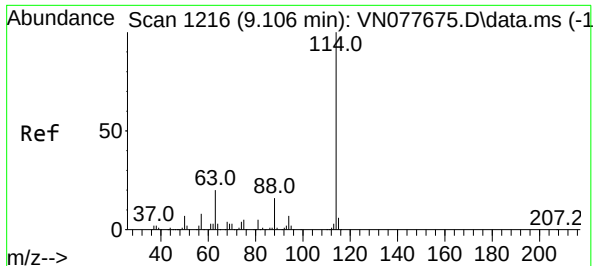
Tgt Ion: 96 Resp: 2713
 Ion Ratio Lower Upper
 96 100
 61 123.2 0.0 255.2
 98 64.8 0.0 128.8



#33
 1,2-Dichloroethane-d4
 Concen: 46.757 ug/l
 RT: 8.588 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VN077991.D
 Acq: 31 May 2023 14:32

Tgt Ion: 65 Resp: 266023
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MH-140N-20230526

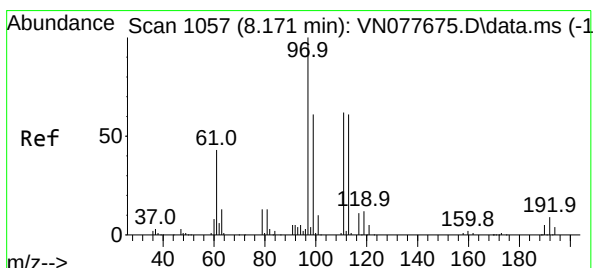
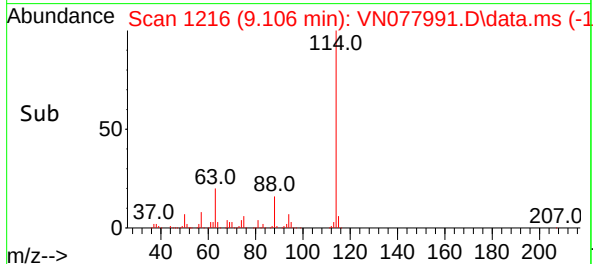
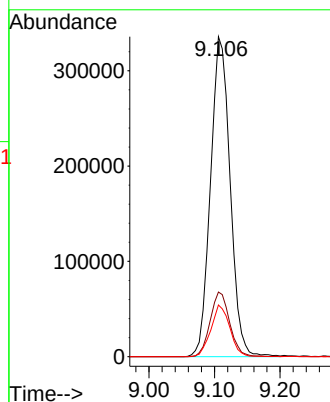
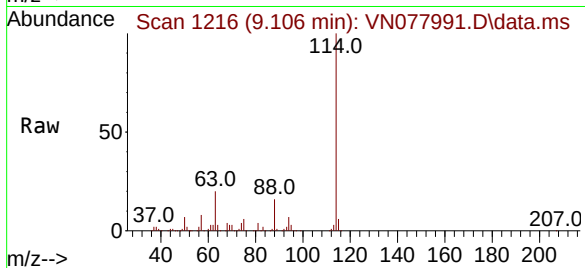
Tgt Ion:114 Resp: 697375

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.591 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

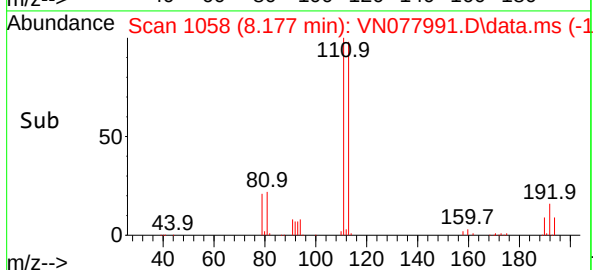
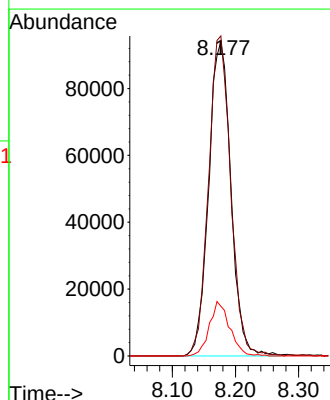
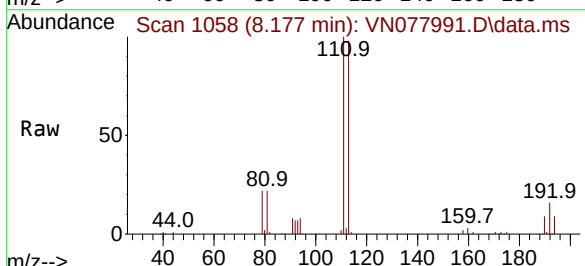
Tgt Ion:113 Resp: 230062

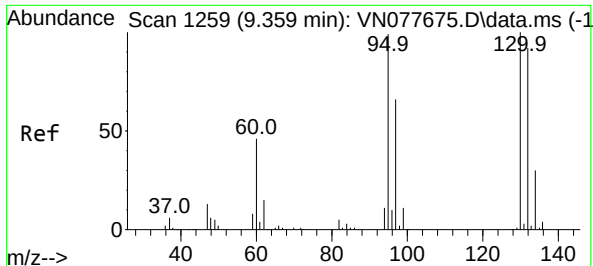
Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

192 15.9 12.7 19.1

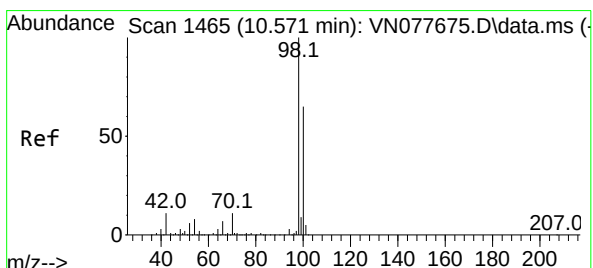
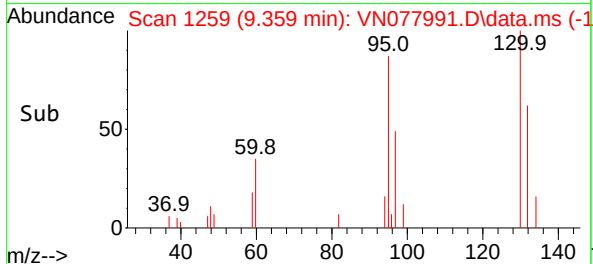
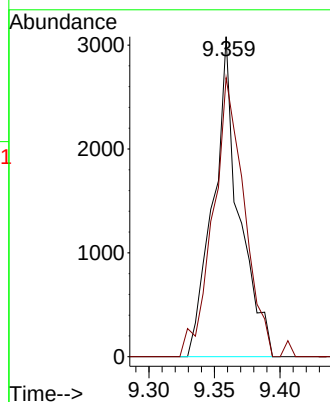
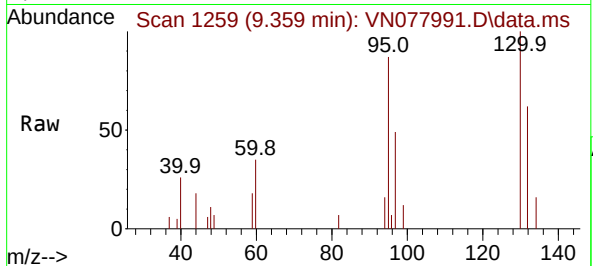




#44
Trichloroethene
Concen: 0.849 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

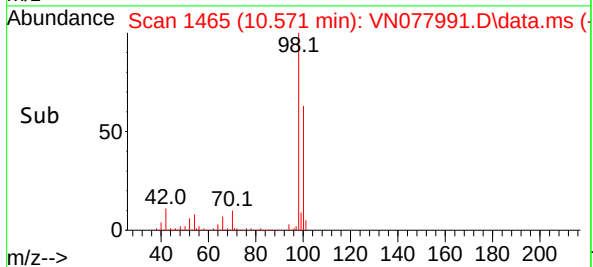
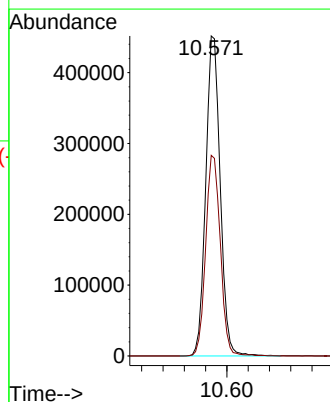
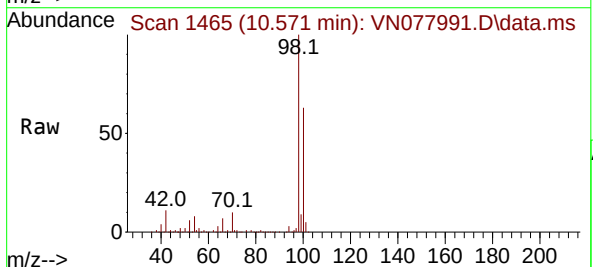
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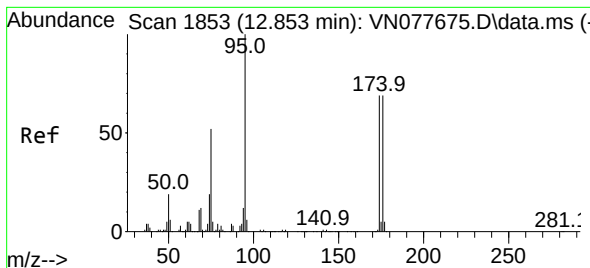
Tgt Ion:130 Resp: 4221
Ion Ratio Lower Upper
130 100
95 87.2 0.0 204.6



#50
Toluene-d8
Concen: 48.686 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Tgt Ion: 98 Resp: 852182
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 43.127 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MH-140N-20230526

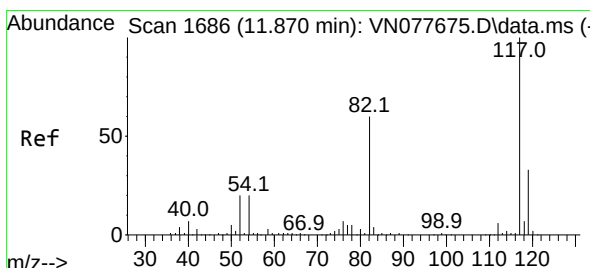
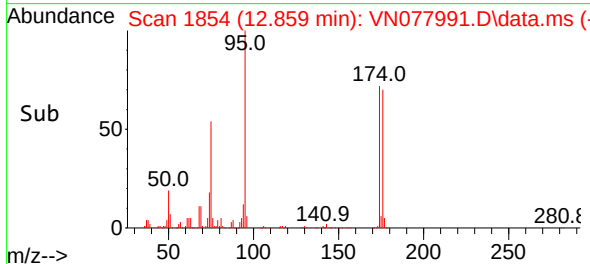
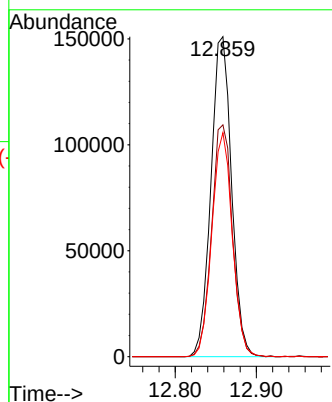
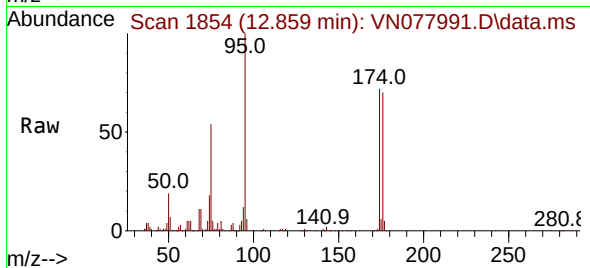
Tgt Ion: 95 Resp: 266607

Ion Ratio Lower Upper

95 100

174 73.3 0.0 143.8

176 69.5 0.0 135.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

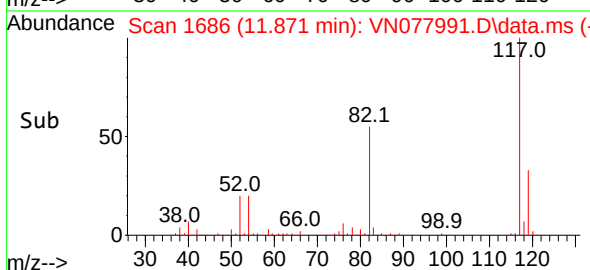
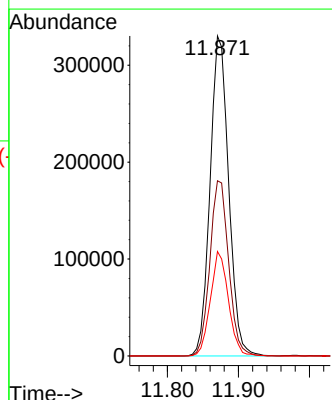
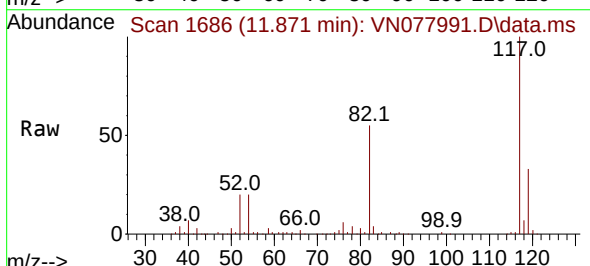
Tgt Ion: 117 Resp: 600181

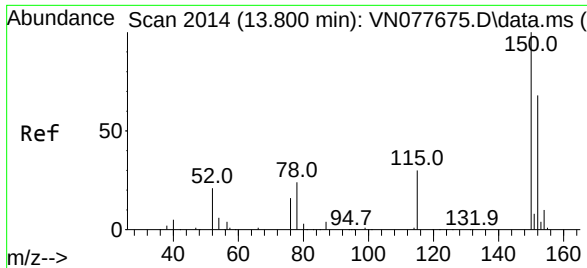
Ion Ratio Lower Upper

117 100

82 54.7 44.0 66.0

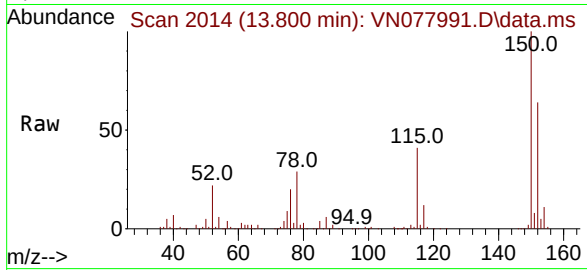
119 32.6 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077991.D
 Acq: 31 May 2023 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140N-20230526



Tgt Ion:152 Resp: 176045
 Ion Ratio Lower Upper
 152 100
 115 61.4 32.3 96.8
 150 158.0 0.0 355.8

