

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078418.D
 Acq On : 27 Jun 2023 15:53
 Operator : JC\MD
 Sample : 03376-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Quant Time: Jun 28 07:11:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

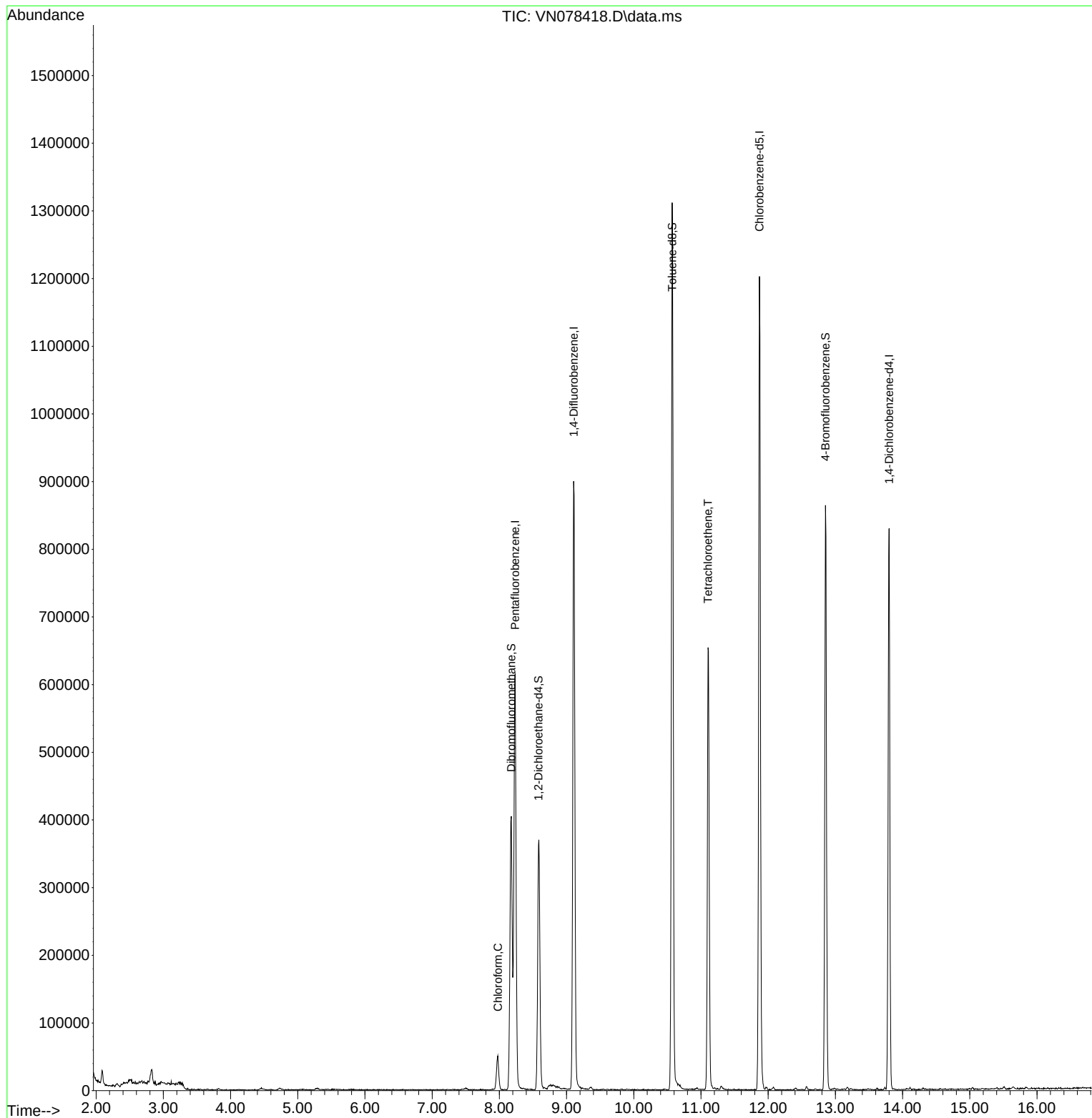
Internal Standards						
1) Pentafluorobenzene	8.235	168	447279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	814732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	737908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	237328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	305703	51.262	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.520%	
35) Dibromofluoromethane	8.177	113	292476	56.776	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.560%	
50) Toluene-d8	10.570	98	945929	47.631	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.260%	
62) 4-Bromofluorobenzene	12.853	95	312367	50.596	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.200%	
Target Compounds						
					Qvalue	
30) Chloroform	7.977	83	47779	4.796	ug/l	87
64) Tetrachloroethene	11.106	164	149742	30.418	ug/l	93

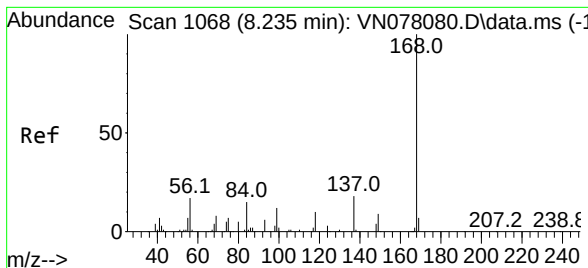
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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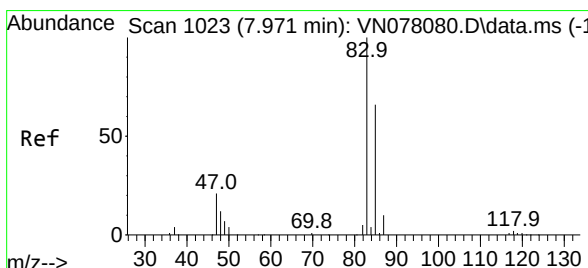
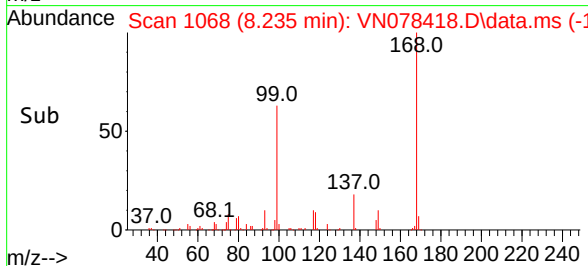
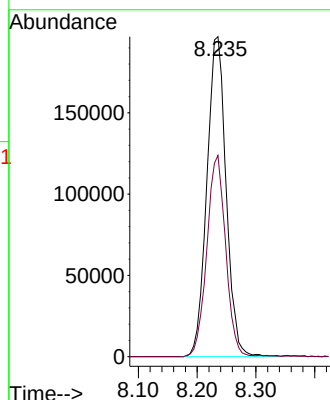
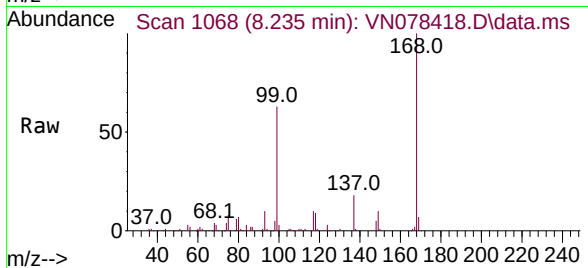




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078418.D
Acq: 27 Jun 2023 15:53

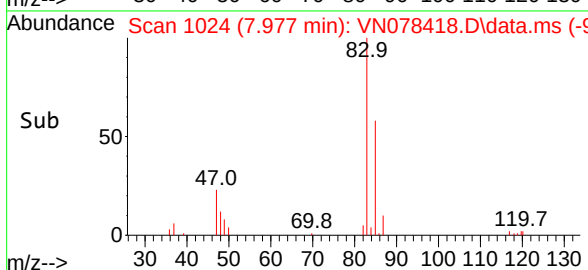
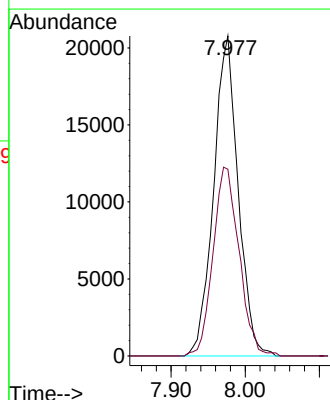
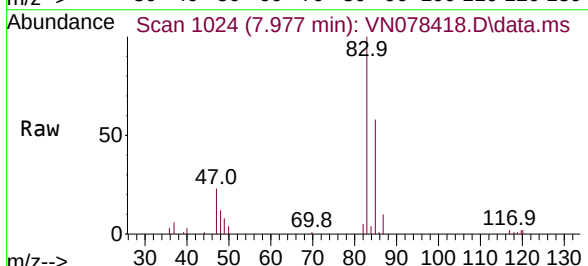
Instrument :
MSVOA_N
ClientSampleId :
TW-1

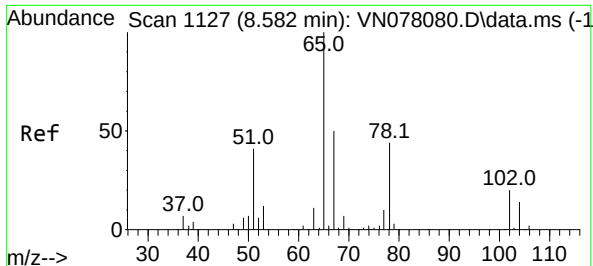
Tgt Ion:168 Resp: 447279
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#30
Chloroform
Concen: 4.796 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN078418.D
Acq: 27 Jun 2023 15:53

Tgt Ion: 83 Resp: 47779
Ion Ratio Lower Upper
83 100
85 58.3 55.4 83.0





#33

1,2-Dichloroethane-d4

Concen: 51.262 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078418.D

Acq: 27 Jun 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

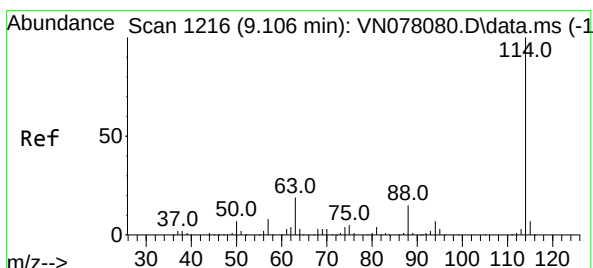
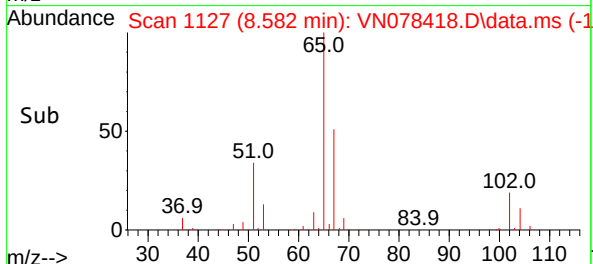
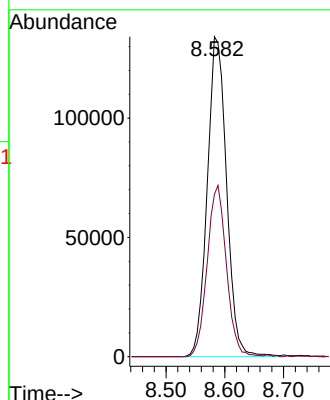
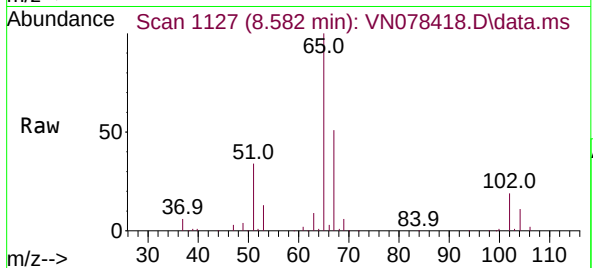
TW-1

Tgt Ion: 65 Resp: 305703

Ion Ratio Lower Upper

65 100

67 53.2 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: VN078418.D

Acq: 27 Jun 2023 15:53

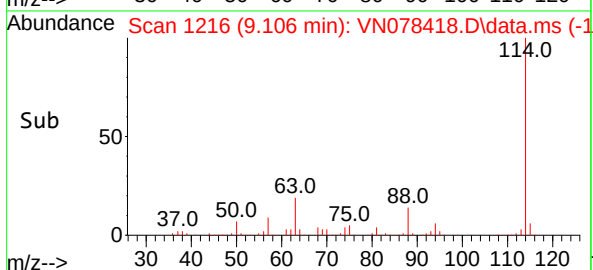
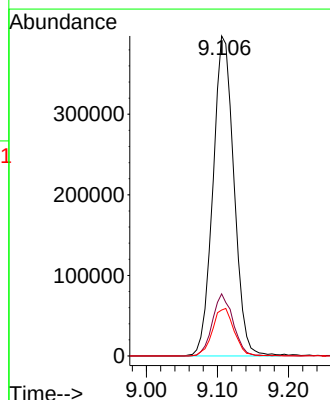
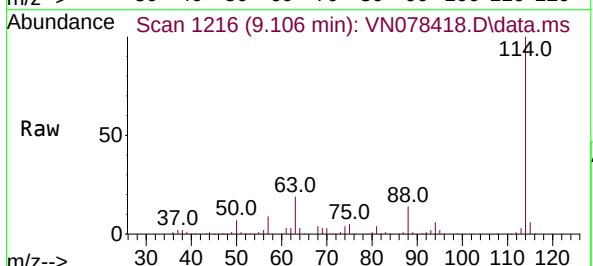
Tgt Ion: 114 Resp: 814732

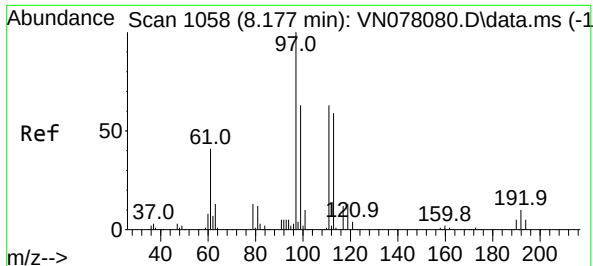
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 14.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.776 ug/l

RT: 8.177 min Scan# 113

Delta R.T. -0.000 min

Lab File: VN078418.D

Acq: 27 Jun 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1

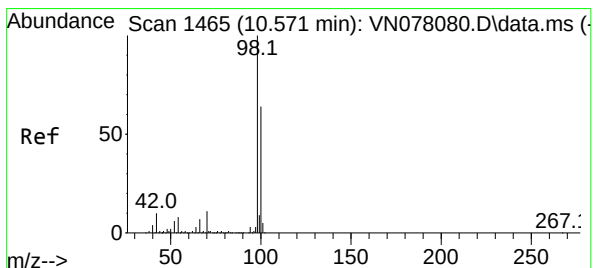
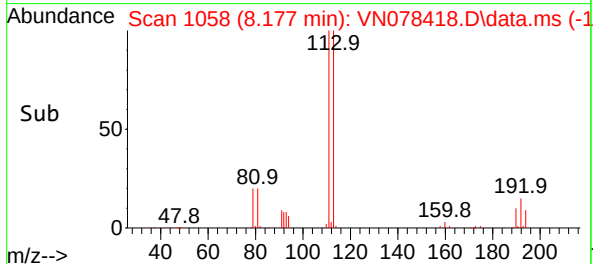
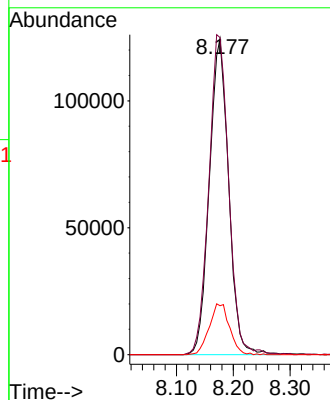
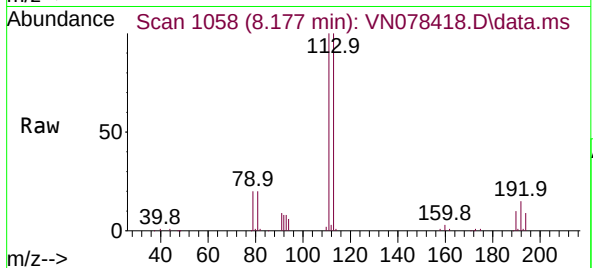
Tgt Ion:113 Resp: 292476

Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

192 17.0 12.7 19.1



#50

Toluene-d8

Concen: 47.631 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078418.D

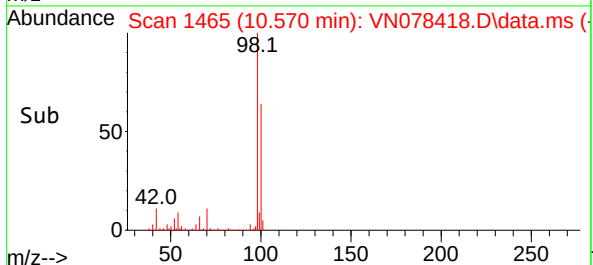
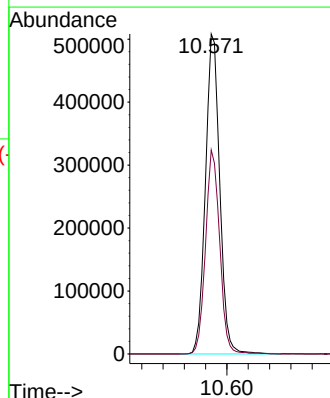
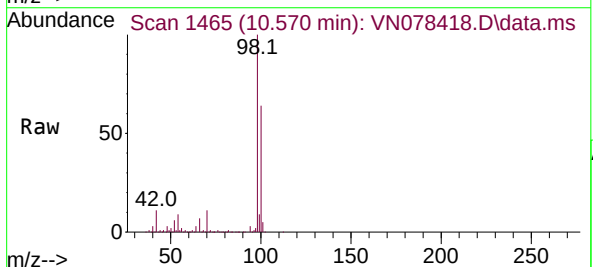
Acq: 27 Jun 2023 15:53

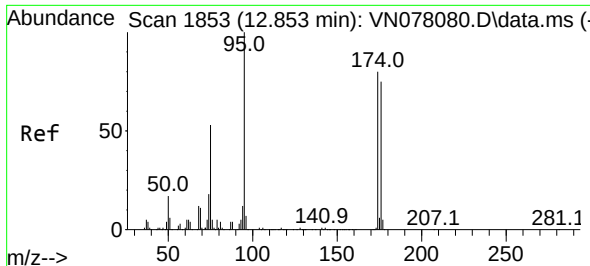
Tgt Ion: 98 Resp: 945929

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

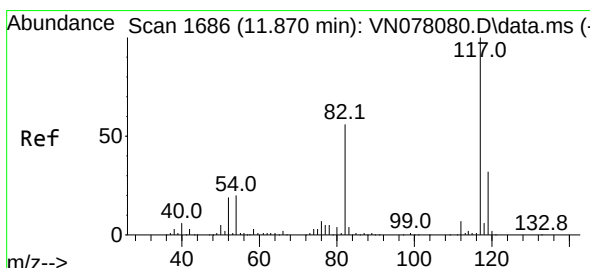
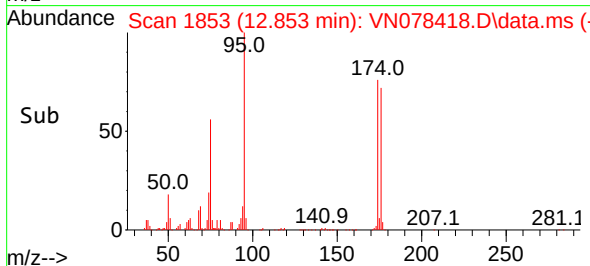
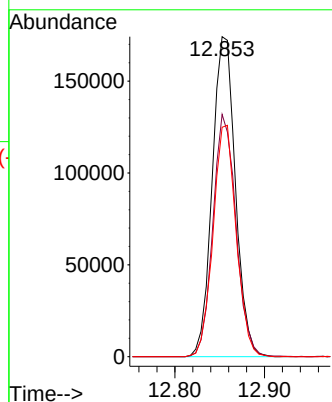
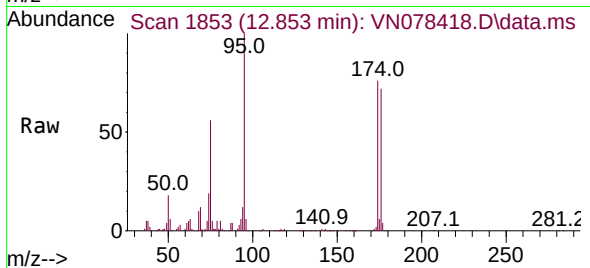




#62
4-Bromofluorobenzene
Concen: 50.596 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078418.D
Acq: 27 Jun 2023 15:53

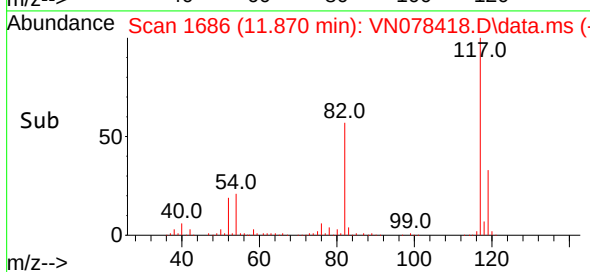
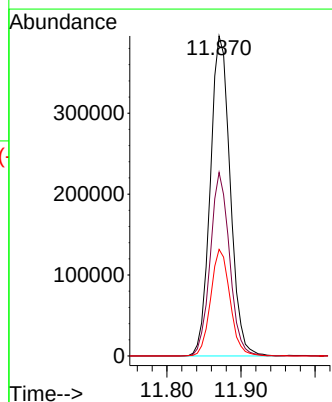
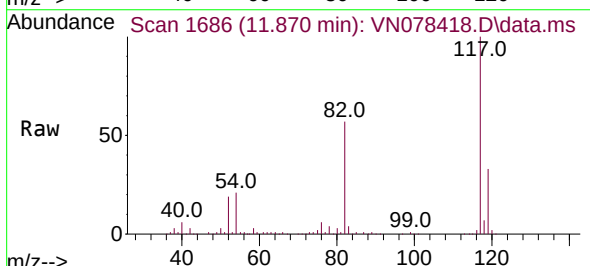
Instrument :
MSVOA_N
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TW-1

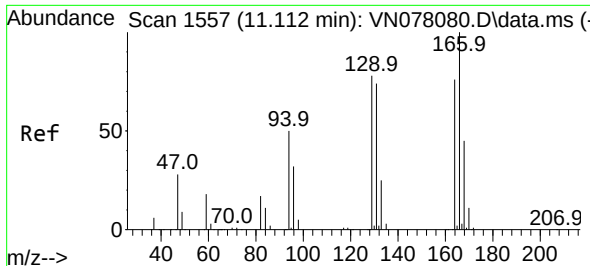
Tgt Ion: 95 Resp: 312367
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078418.D
Acq: 27 Jun 2023 15:53

Tgt Ion: 117 Resp: 737908
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 33.3 25.6 38.4



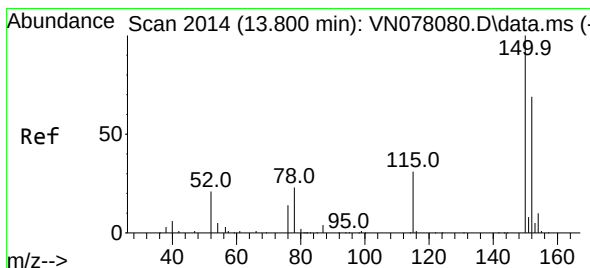
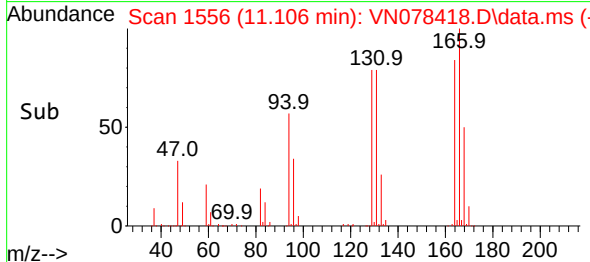
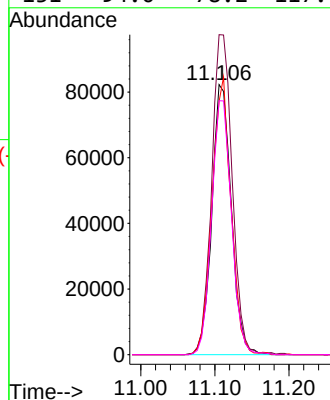
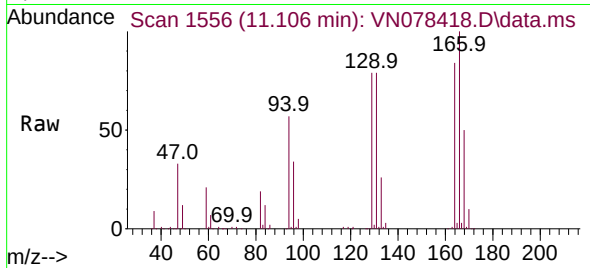


#64
Tetrachloroethene
Concen: 30.418 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078418.D
Acq: 27 Jun 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
TW-1

Tgt Ion:164 Resp: 149742

Ion	Ratio	Lower	Upper
164	100		
166	118.4	101.4	152.0
129	93.7	82.4	123.6
131	94.0	78.2	117.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078418.D
Acq: 27 Jun 2023 15:53

Tgt Ion:152 Resp: 237328

Ion	Ratio	Lower	Upper
152	100		
115	58.3	32.3	96.8
150	152.9	0.0	355.8

