

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077798.D
 Acq On : 22 May 2023 18:41
 Operator : JC\MD
 Sample : 02880-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230519

Quant Time: May 23 04:21:19 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)

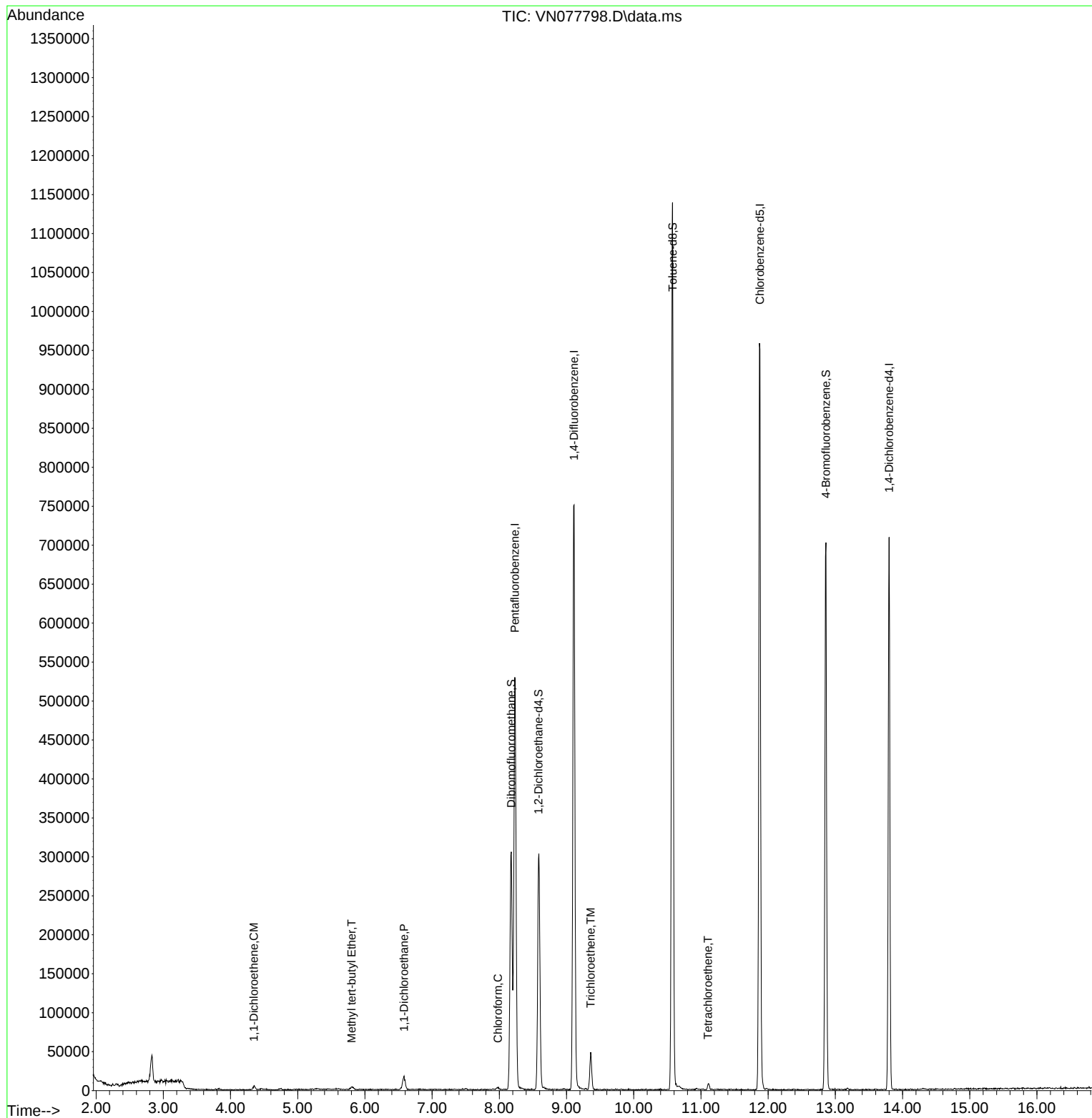
Internal Standards						
1) Pentafluorobenzene	8.230	168	382401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	678424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	593804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	190408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	249592	43.622	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.240%		
35) Dibromofluoromethane	8.177	113	220340	49.806	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.620%		
50) Toluene-d8	10.577	98	826180	48.519	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.040%		
62) 4-Bromofluorobenzene	12.859	95	255772	42.530	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.060%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.348	96	2581	0.642	ug/l #	74
19) Methyl tert-butyl Ether	5.800	73	5146	0.353	ug/l	94
24) 1,1-Dichloroethane	6.583	63	23031	2.714	ug/l	95
30) Chloroform	7.977	83	2826	0.303	ug/l #	79
44) Trichloroethene	9.359	130	15708	3.249	ug/l	91
64) Tetrachloroethene	11.106	164	2146	0.517	ug/l #	52

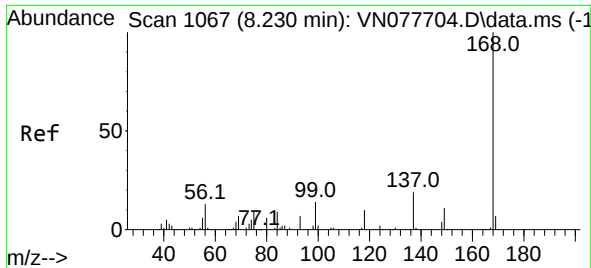
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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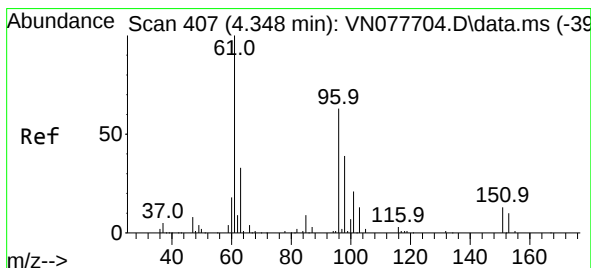
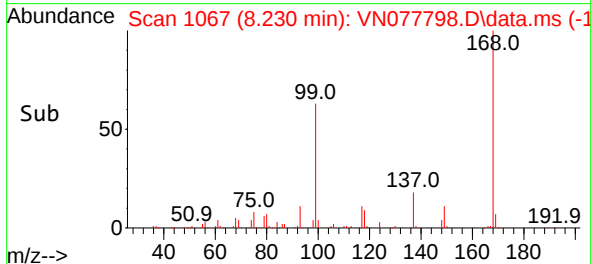
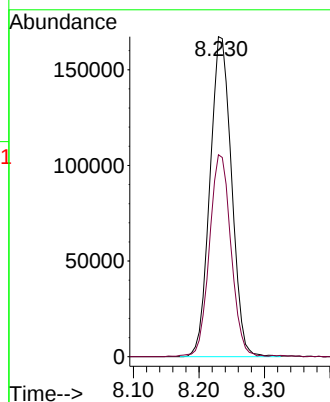
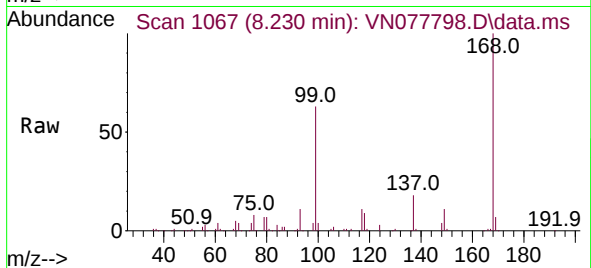




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

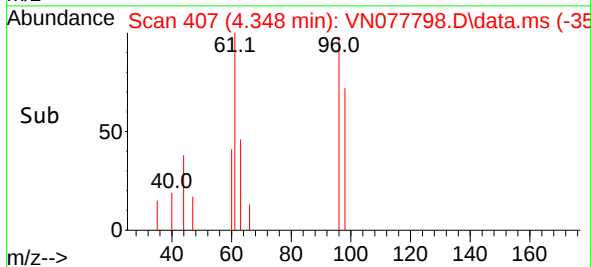
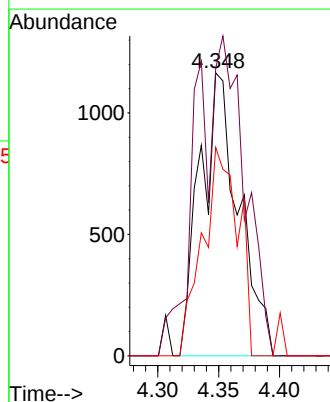
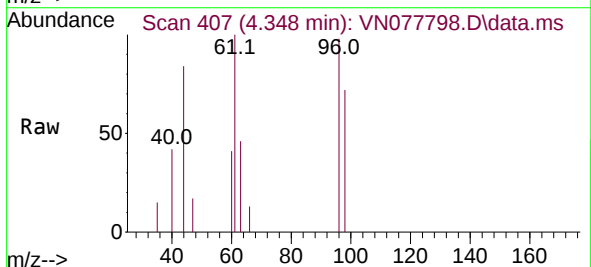
Instrument :
MSVOA_N
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TT161S1-20230519

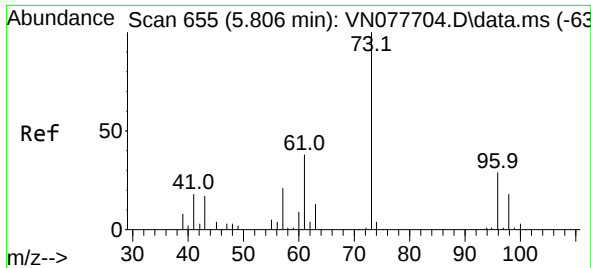
Tgt Ion:168 Resp: 382401
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#12
1,1-Dichloroethene
Concen: 0.642 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 96 Resp: 2581
Ion Ratio Lower Upper
96 100
61 101.6 112.7 169.1#
98 73.6 51.2 76.8

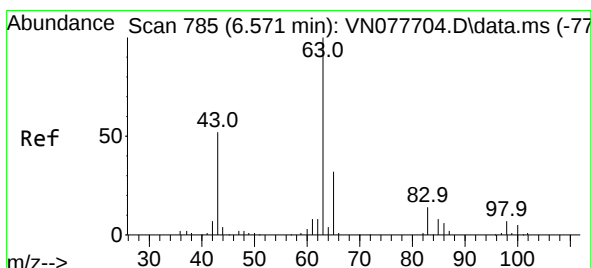
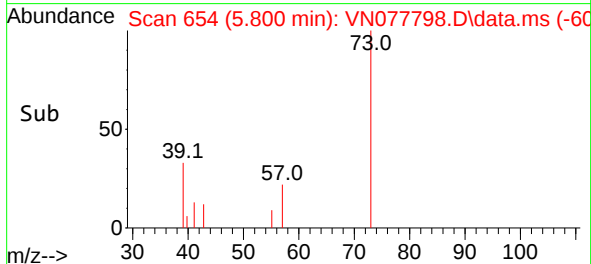
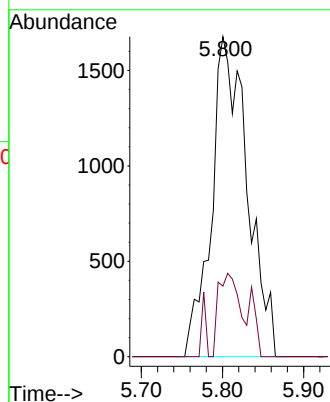
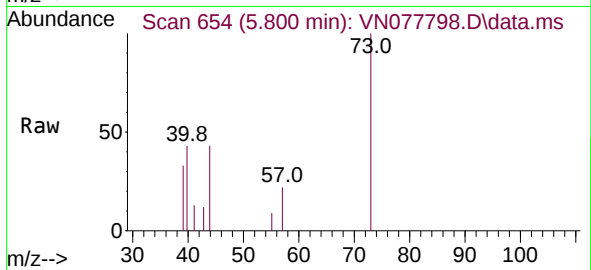




#19
Methyl tert-butyl Ether
Concen: 0.353 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

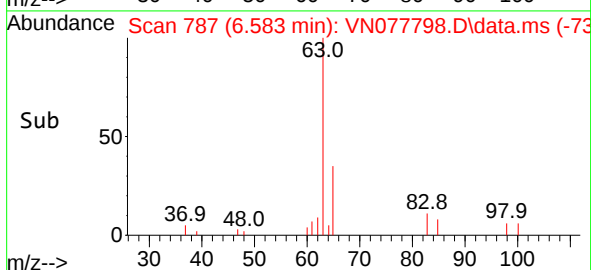
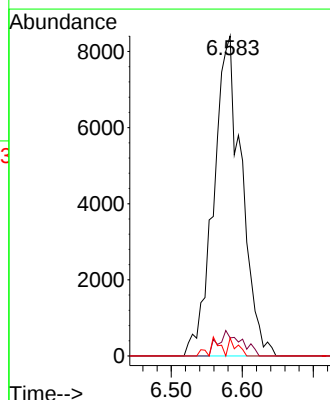
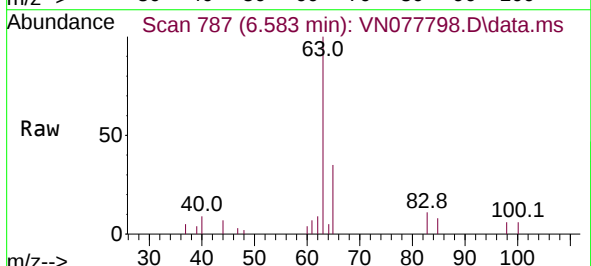
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

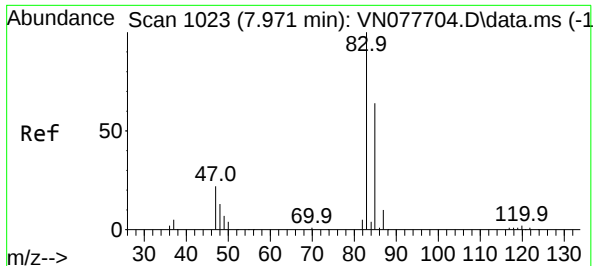
Tgt Ion: 73 Resp: 5146
Ion Ratio Lower Upper
73 100
57 22.1 15.6 23.4



#24
1,1-Dichloroethane
Concen: 2.714 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.012 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 63 Resp: 23031
Ion Ratio Lower Upper
63 100
98 5.7 3.9 11.7
100 5.6 2.5 7.4





#30

Chloroform

Concen: 0.303 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN077798.D

Acq: 22 May 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

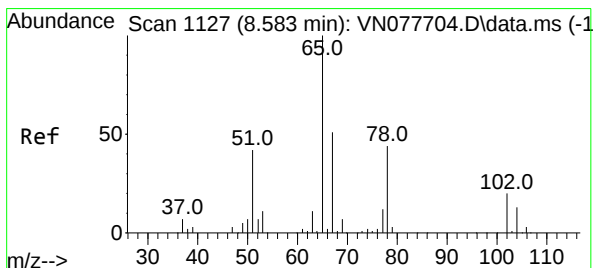
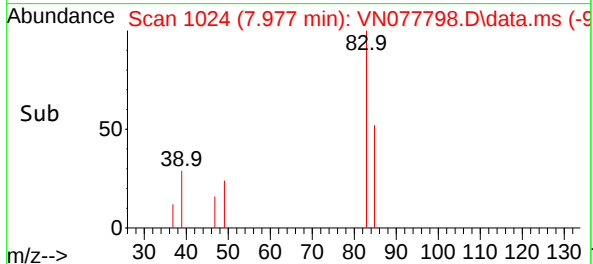
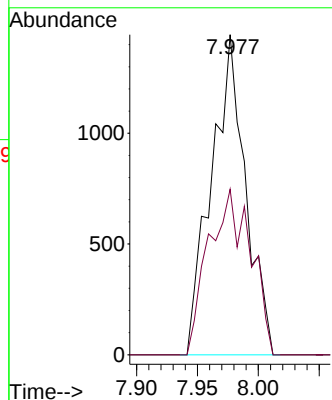
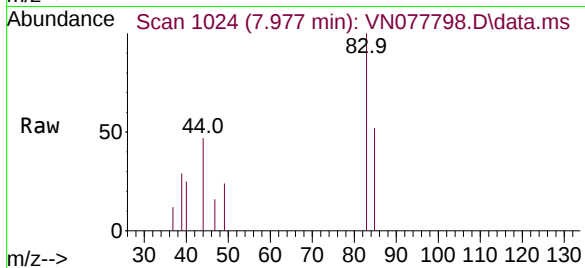
TT161S1-20230519

Tgt Ion: 83 Resp: 2826

Ion Ratio Lower Upper

83 100

85 51.7 55.4 83.0#



#33

1,2-Dichloroethane-d4

Concen: 43.622 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077798.D

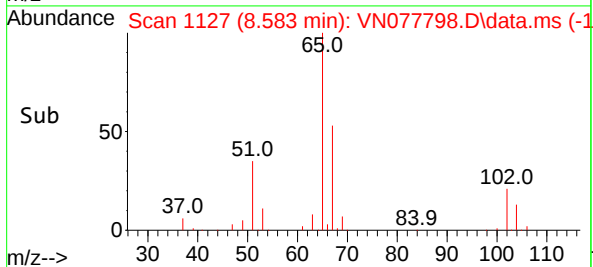
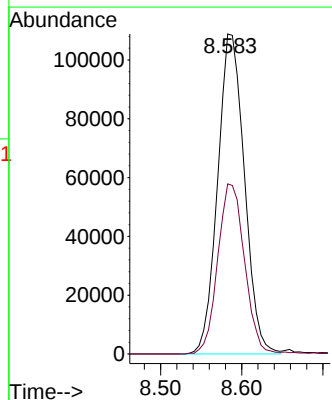
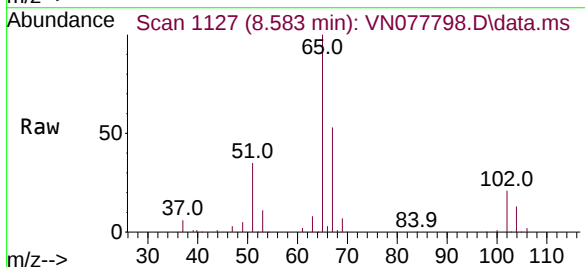
Acq: 22 May 2023 18:41

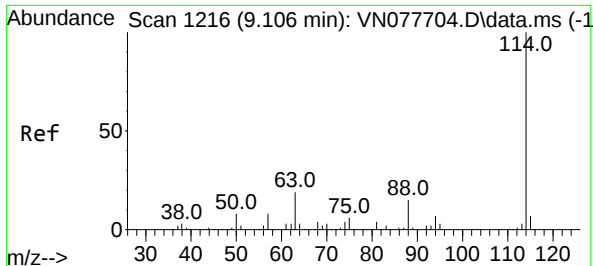
Tgt Ion: 65 Resp: 249592

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077798.D

Acq: 22 May 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

TT161S1-20230519

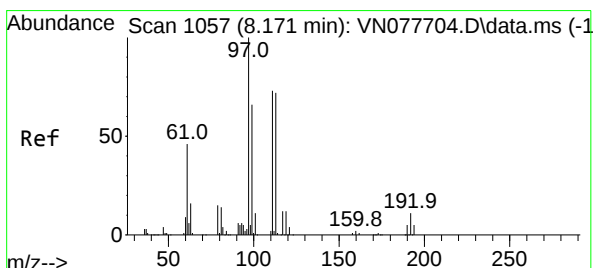
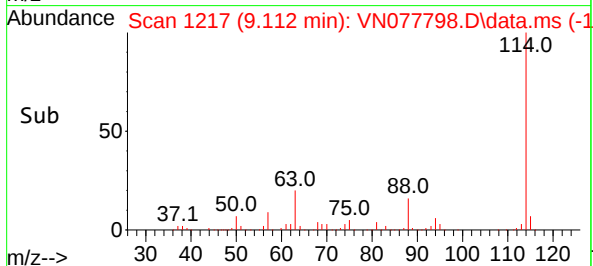
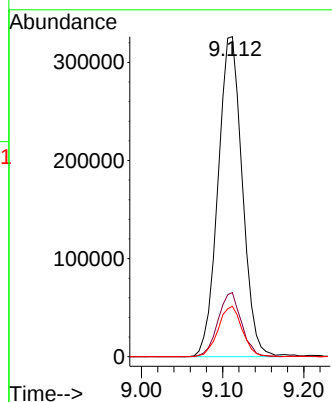
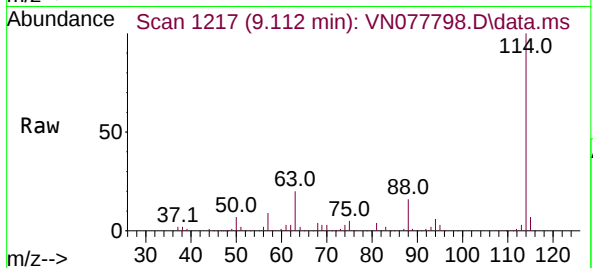
Tgt Ion:114 Resp: 678424

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.806 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077798.D

Acq: 22 May 2023 18:41

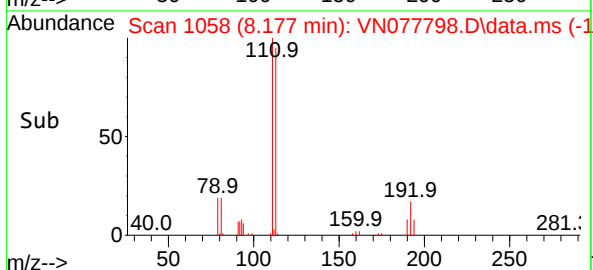
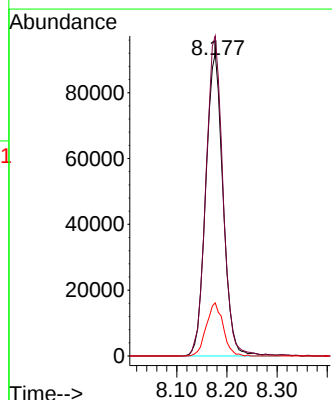
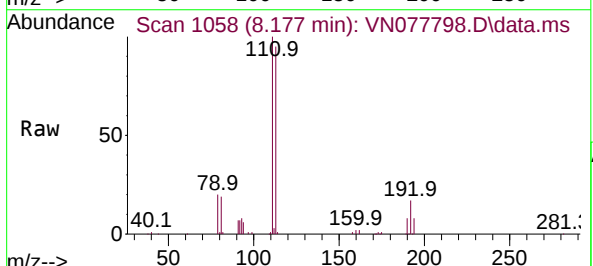
Tgt Ion:113 Resp: 220340

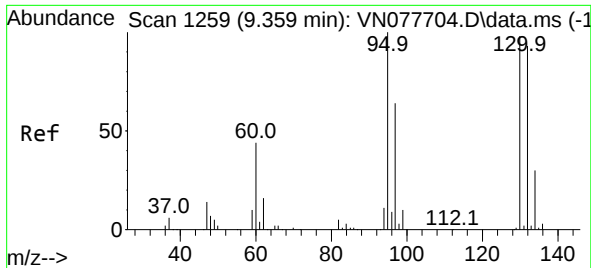
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.1 12.7 19.1

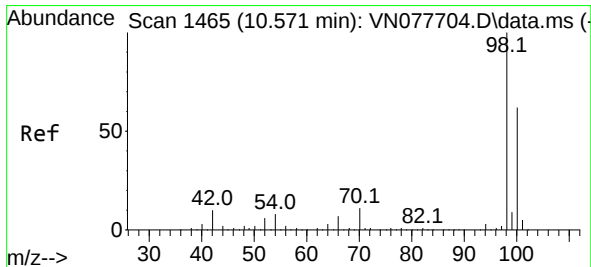
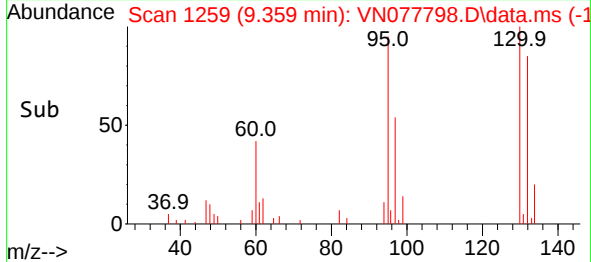
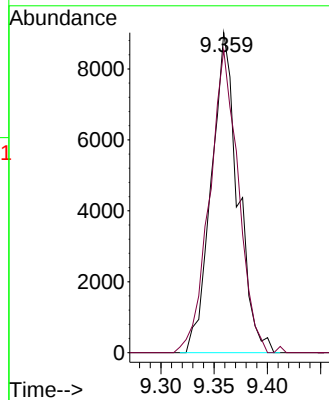
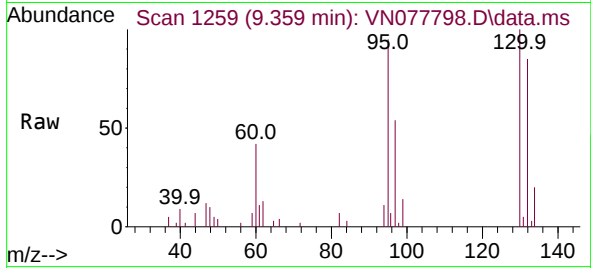




#44
Trichloroethene
Concen: 3.249 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

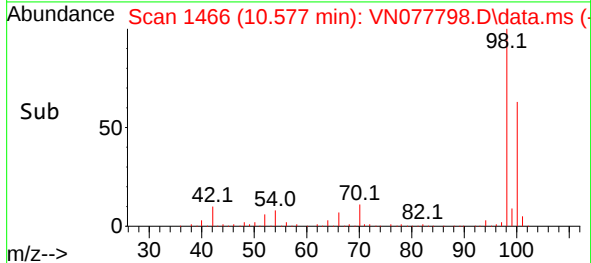
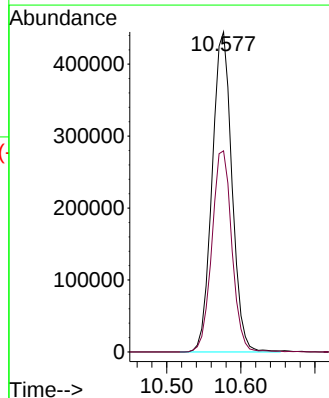
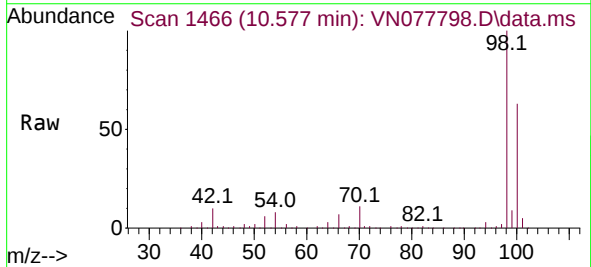
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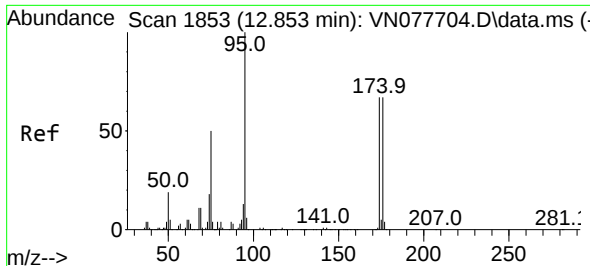
Tgt Ion:130 Resp: 15708
Ion Ratio Lower Upper
130 100
95 92.9 0.0 204.6



#50
Toluene-d8
Concen: 48.519 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 98 Resp: 826180
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

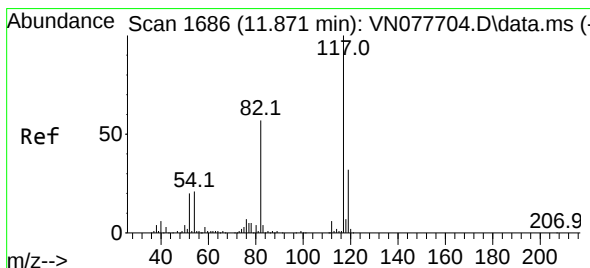
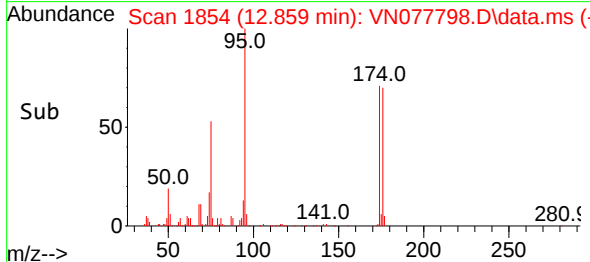
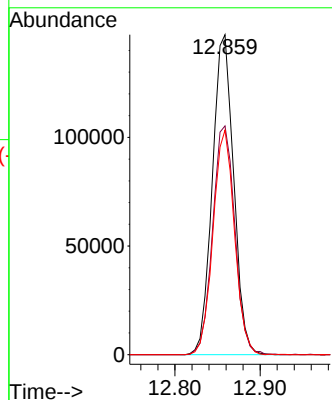
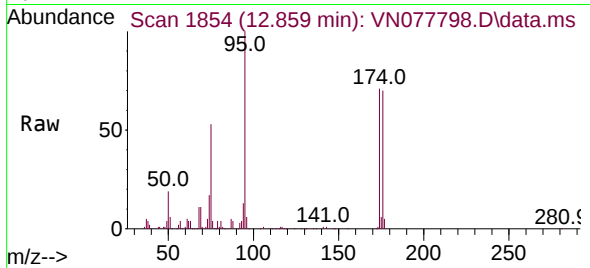




#62
4-Bromofluorobenzene
Concen: 42.530 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

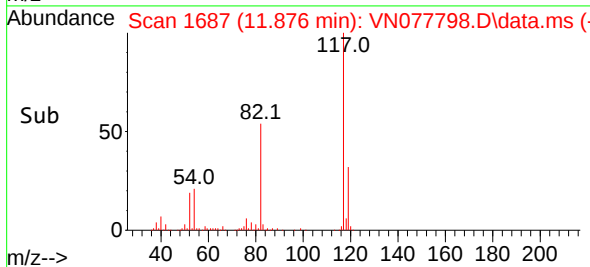
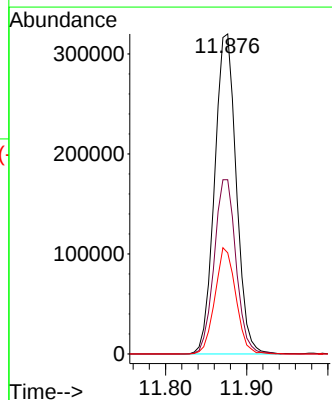
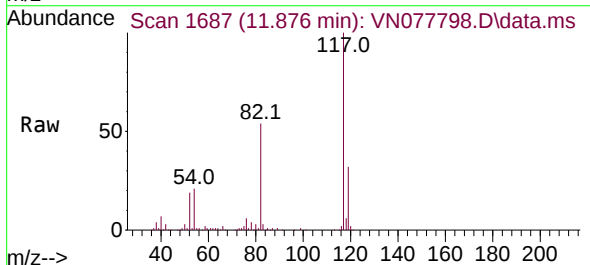
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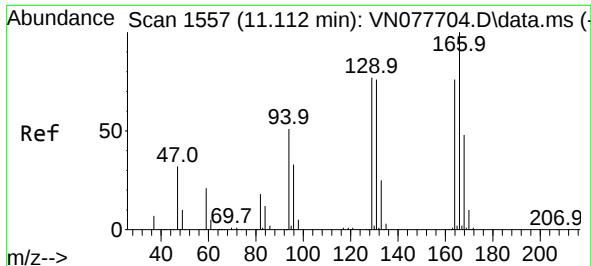
Tgt Ion: 95 Resp: 255772
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 70.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 117 Resp: 593804
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 31.6 25.6 38.4

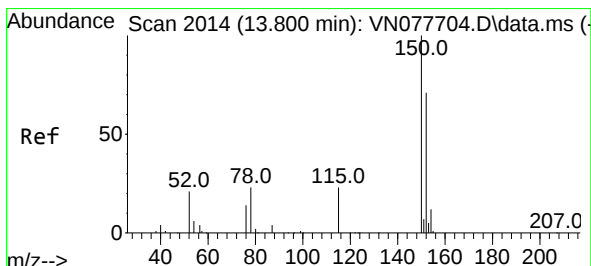
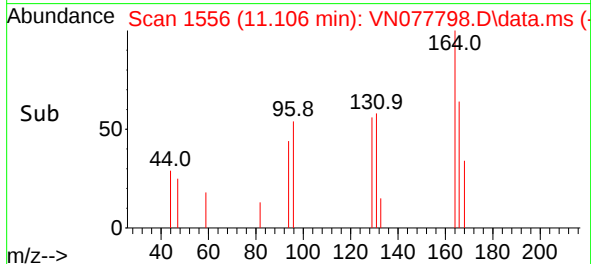
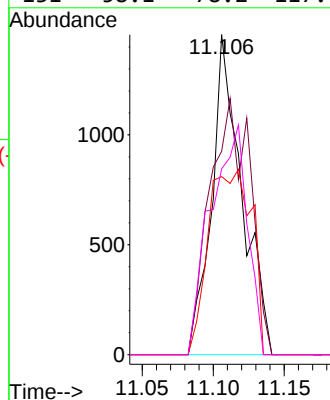
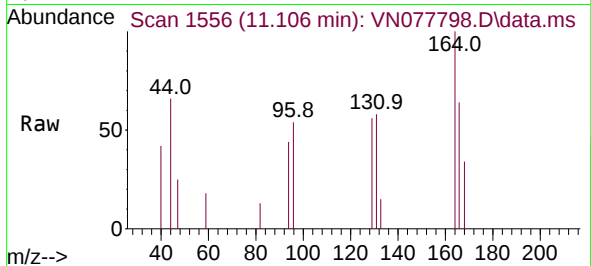




#64
Tetrachloroethene
Concen: 0.517 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:164 Resp: 2146
Ion Ratio Lower Upper
164 100
166 63.5 101.4 152.0#
129 55.6 82.4 123.6#
131 58.1 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: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion:152 Resp: 190408
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 157.0 0.0 355.8

