

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077053.D
 Acq On : 17 Mar 2023 23:26
 Operator : JC\MD
 Sample : 01941-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230314

Quant Time: Mar 18 02:37:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

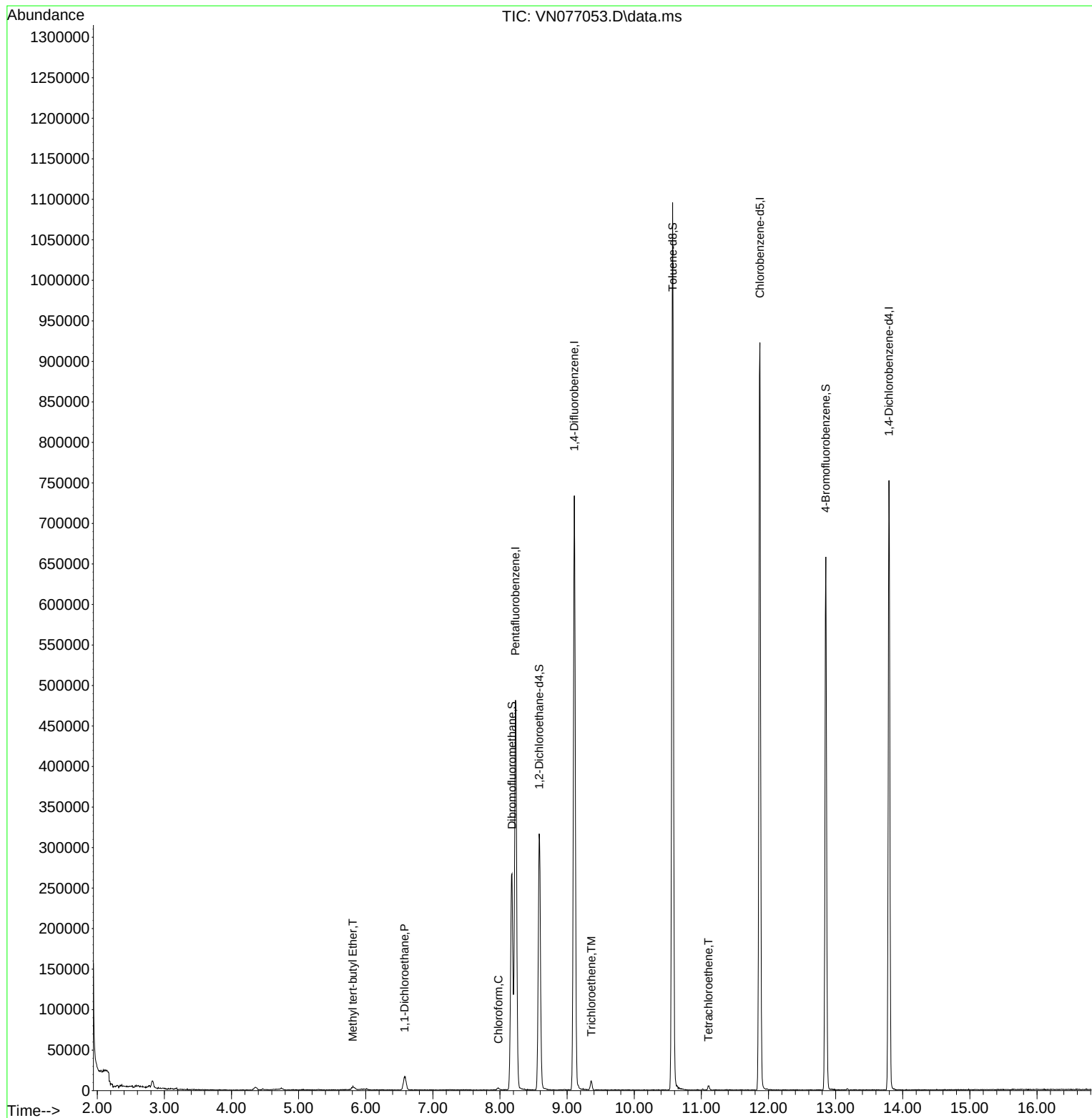
Internal Standards						
1) Pentafluorobenzene	8.231	168	324788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	592046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	516621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	188147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	266530	51.375	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.760%
35) Dibromofluoromethane	8.178	113	195028	47.038	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.080%
50) Toluene-d8	10.572	98	727449	49.117	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.240%
62) 4-Bromofluorobenzene	12.854	95	227235	43.419	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.840%
Target Compounds						
						Qvalue
19) Methyl tert-butyl Ether	5.807	73	5426	0.383	ug/l	94
24) 1,1-Dichloroethane	6.578	63	24640	2.722	ug/l	96
30) Chloroform	7.978	83	2543	0.289	ug/l	87
44) Trichloroethene	9.360	130	3979	0.882	ug/l	86
64) Tetrachloroethene	11.107	164	1111	0.320	ug/l #	85

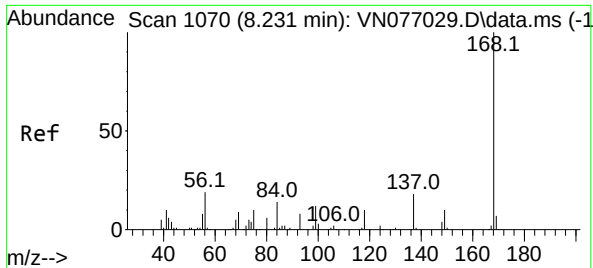
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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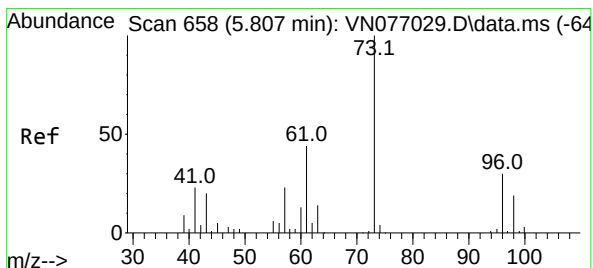
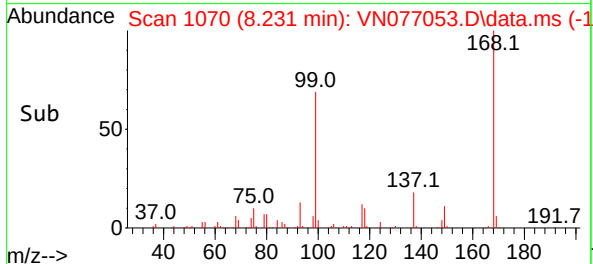
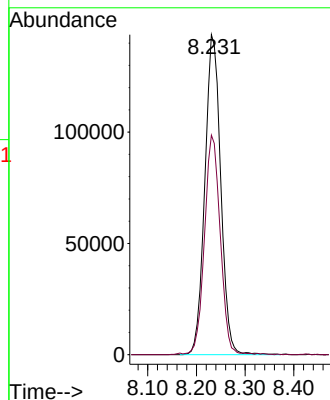
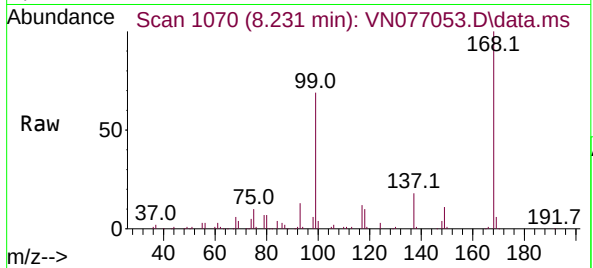




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

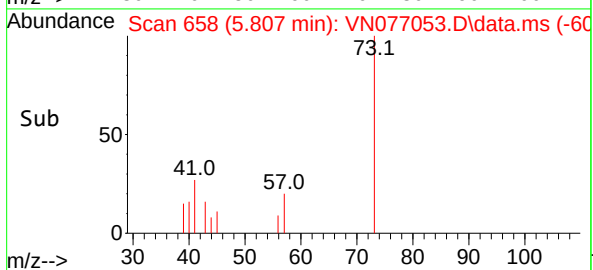
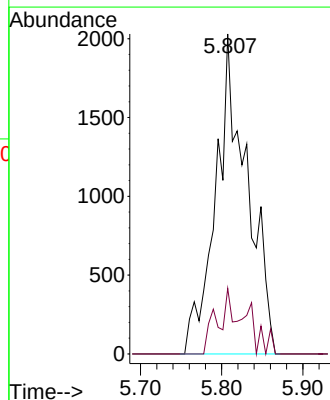
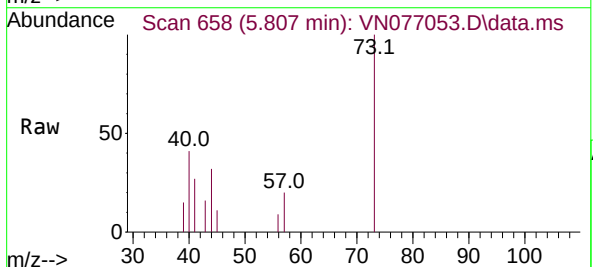
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

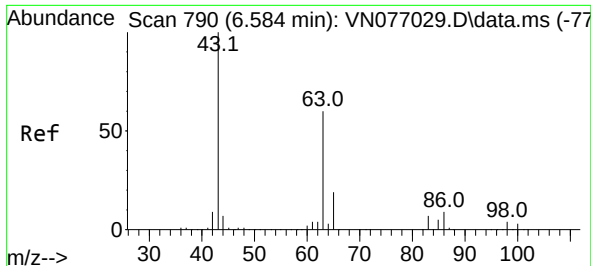
Tgt Ion:168 Resp: 324788
Ion Ratio Lower Upper
168 100
99 68.5 53.9 80.9



#19
Methyl tert-butyl Ether
Concen: 0.383 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion: 73 Resp: 5426
Ion Ratio Lower Upper
73 100
57 20.5 18.7 28.1

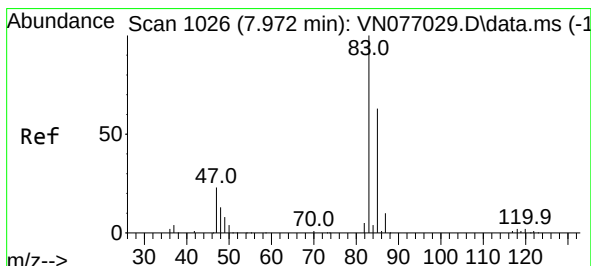
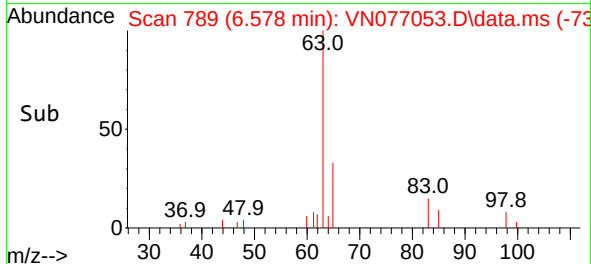
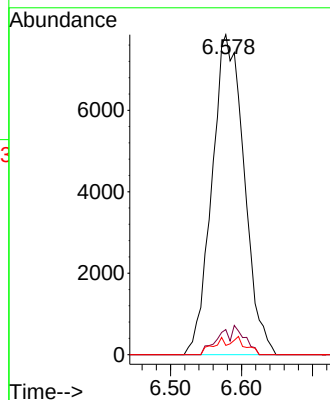
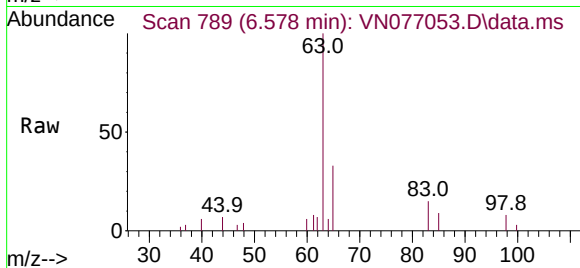




#24
1,1-Dichloroethane
Concen: 2.722 ug/l
RT: 6.578 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

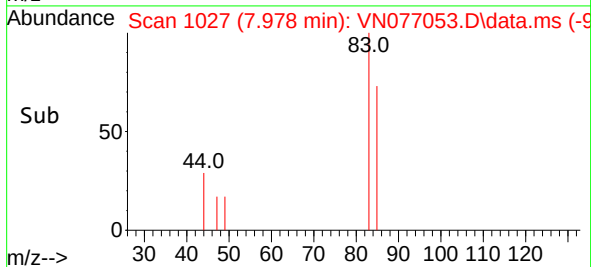
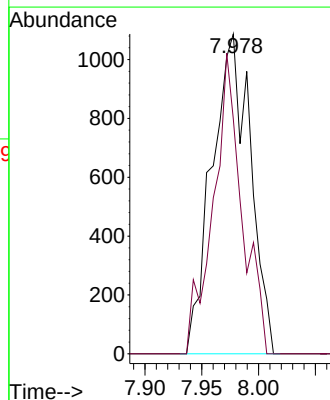
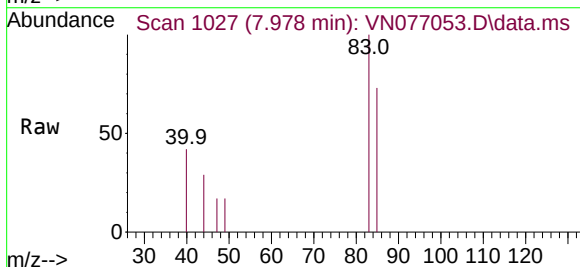
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

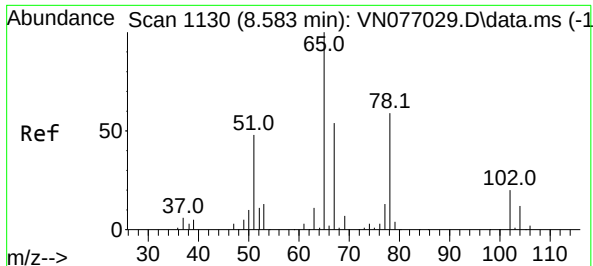
Tgt Ion: 63 Resp: 24640
Ion Ratio Lower Upper
63 100
98 7.9 3.1 9.4
100 2.9 2.1 6.3



#30
Chloroform
Concen: 0.289 ug/l
RT: 7.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion: 83 Resp: 2543
Ion Ratio Lower Upper
83 100
85 73.4 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 51.375 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

Instrument :

MSVOA_N

ClientSampleId :

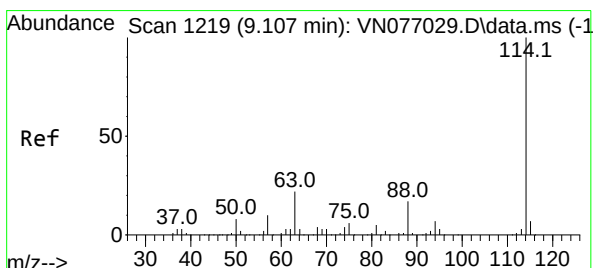
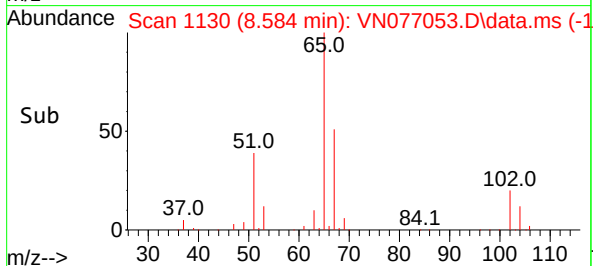
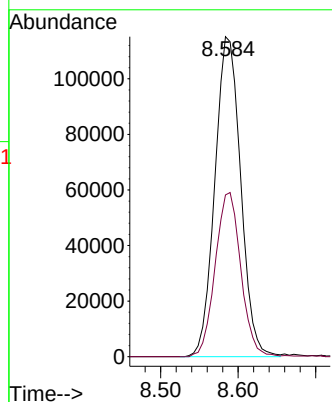
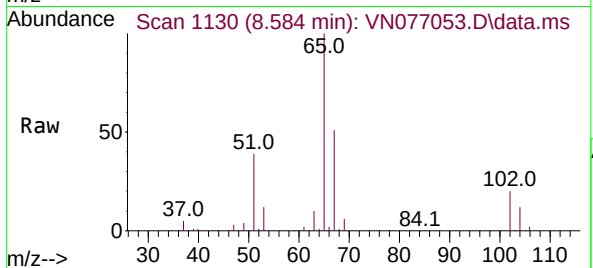
TT161S1-20230314

Tgt Ion: 65 Resp: 266530

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

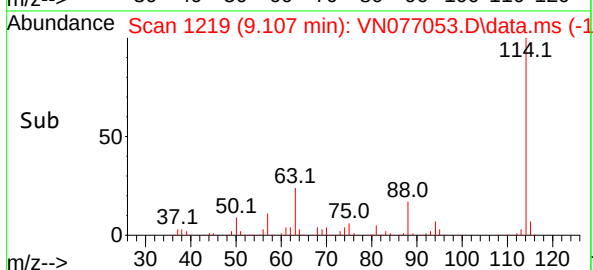
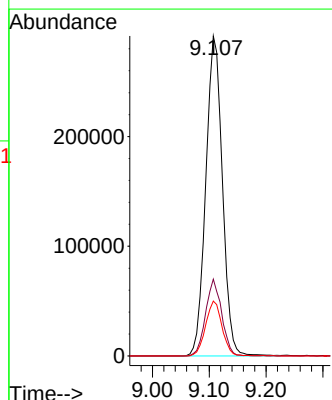
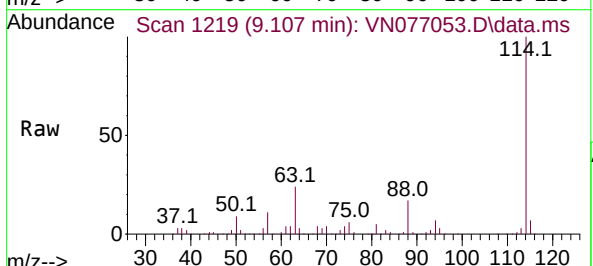
Tgt Ion: 114 Resp: 592046

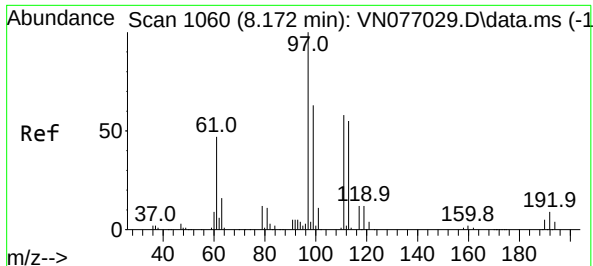
Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.6

88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.038 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

Instrument :

MSVOA_N

ClientSampleId :

TT161S1-20230314

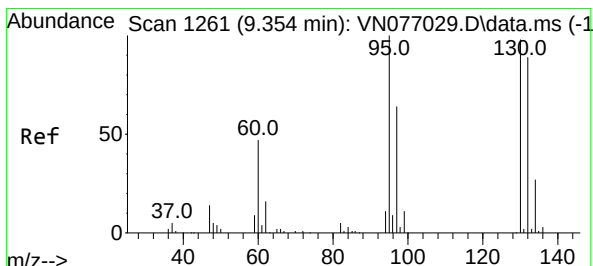
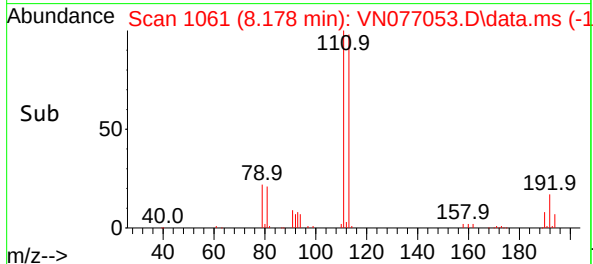
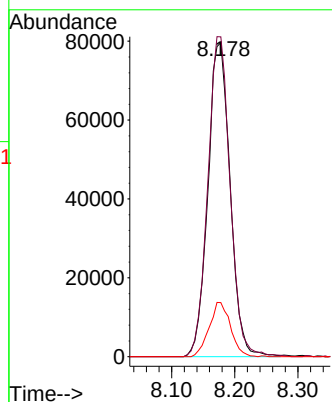
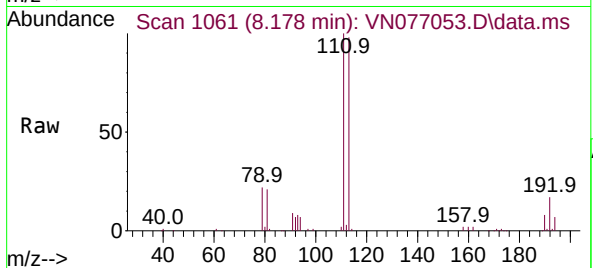
Tgt Ion:113 Resp: 195028

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

192 16.6 13.0 19.6



#44

Trichloroethene

Concen: 0.882 ug/l

RT: 9.360 min Scan# 1262

Delta R.T. 0.006 min

Lab File: VN077053.D

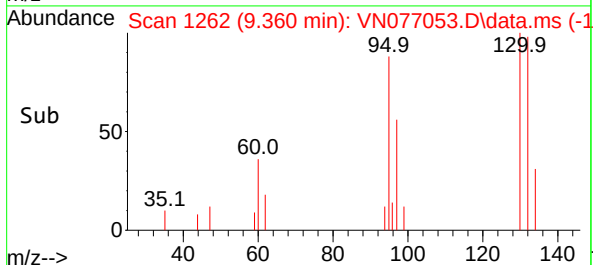
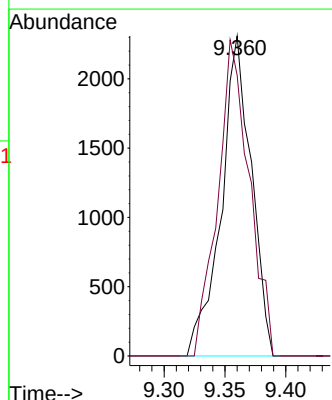
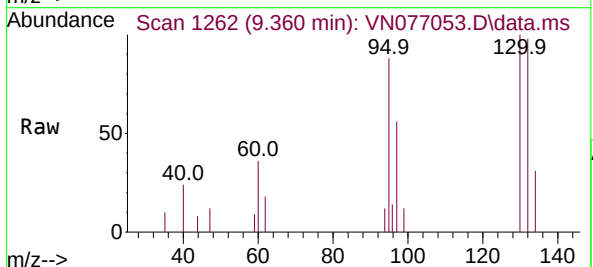
Acq: 17 Mar 2023 23:26

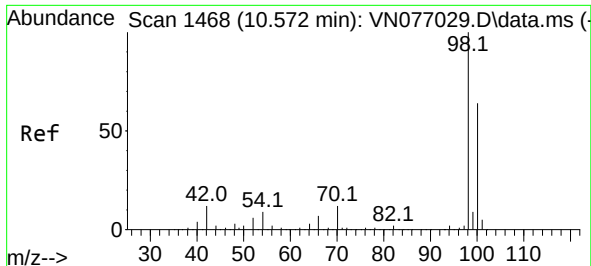
Tgt Ion:130 Resp: 3979

Ion Ratio Lower Upper

130 100

95 87.7 0.0 204.4

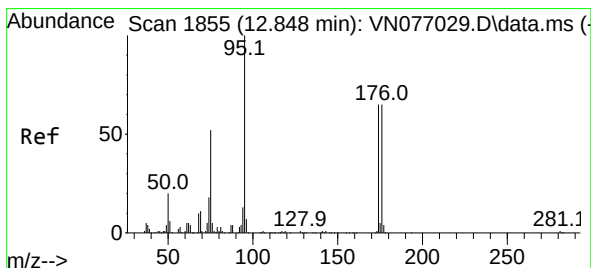
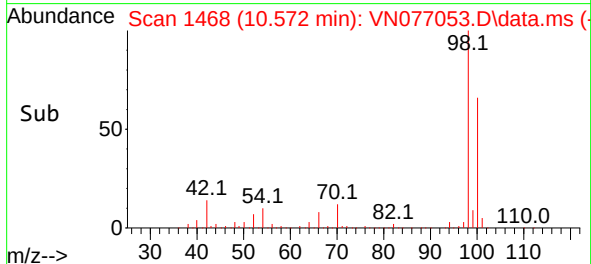
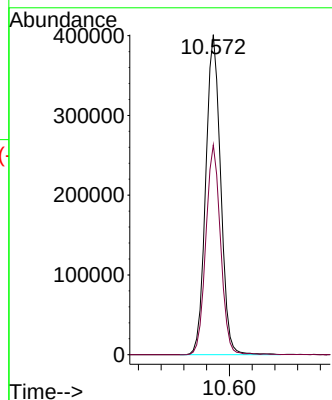
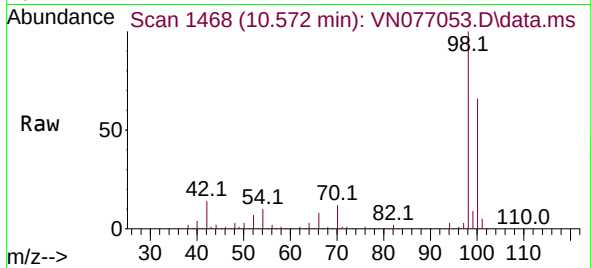




#50
Toluene-d8
Concen: 49.117 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

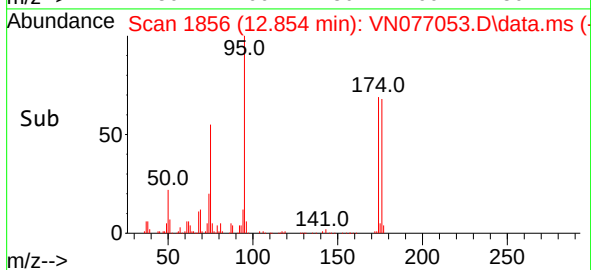
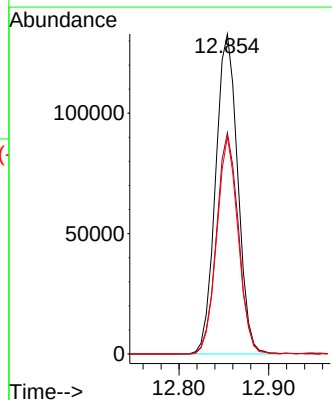
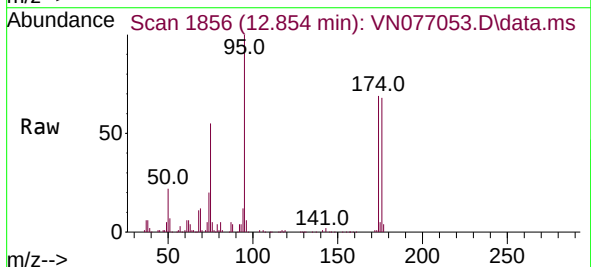
Instrument :
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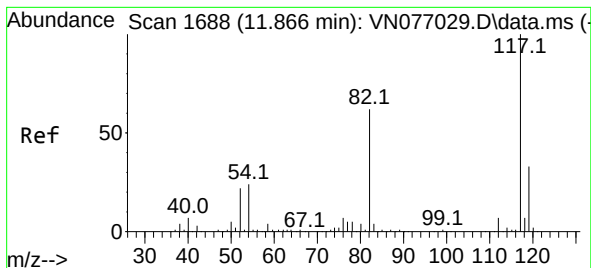
Tgt Ion: 98 Resp: 727449
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.419 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion: 95 Resp: 227235
Ion Ratio Lower Upper
95 100
174 68.6 0.0 136.6
176 65.6 0.0 130.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.872 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

Instrument :

MSVOA_N

ClientSampleId :

TT161S1-20230314

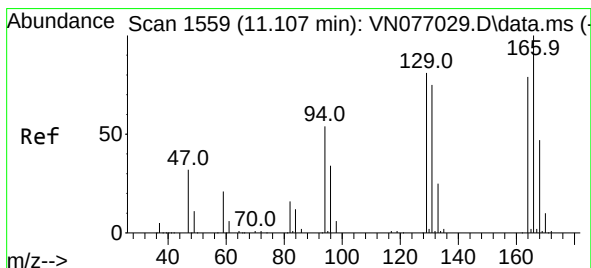
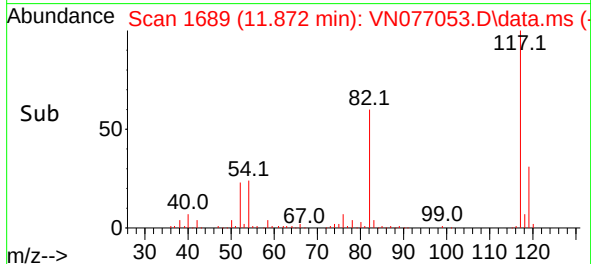
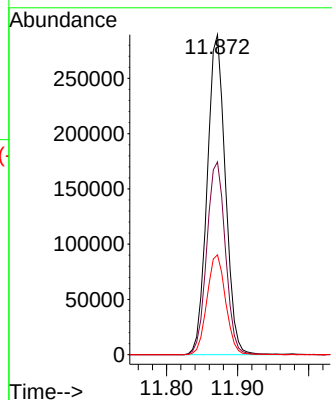
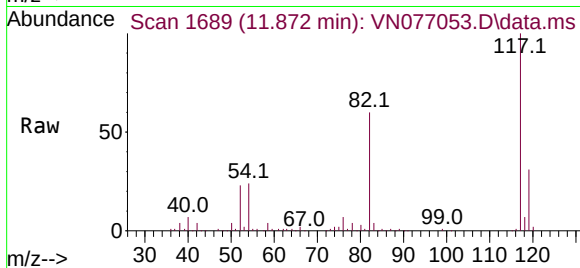
Tgt Ion:117 Resp: 516621

Ion Ratio Lower Upper

117 100

82 60.3 49.4 74.0

119 31.2 26.5 39.7



#64

Tetrachloroethene

Concen: 0.320 ug/l

RT: 11.107 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

Tgt Ion:164 Resp: 1111

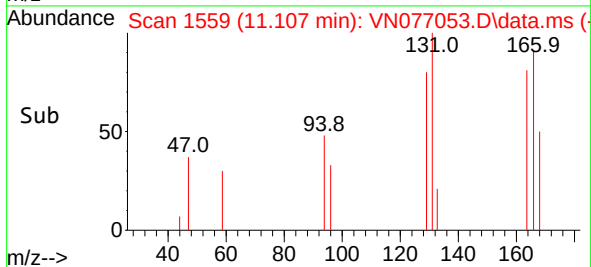
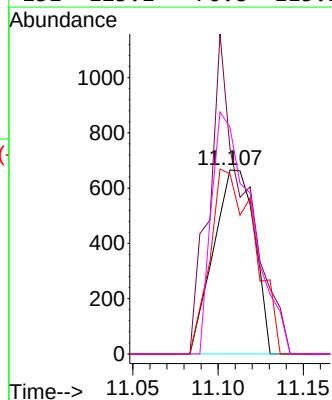
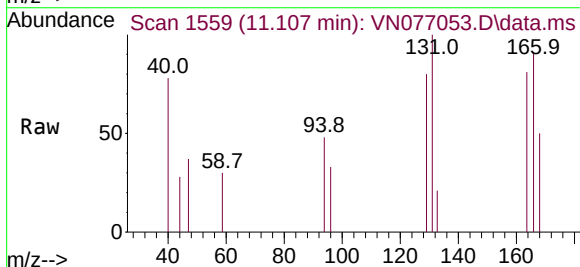
Ion Ratio Lower Upper

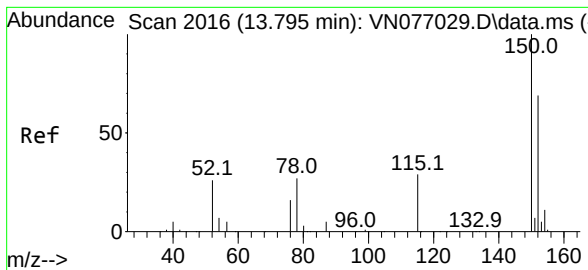
164 100

166 111.7 101.9 152.9

129 97.9 82.6 123.8

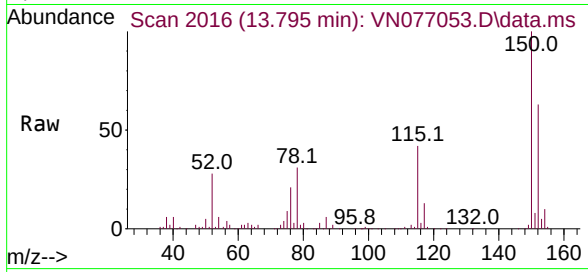
131 123.1 76.8 115.2#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN077053.D
 Acq: 17 Mar 2023 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230314



Tgt Ion:152 Resp: 188147
 Ion Ratio Lower Upper
 152 100
 115 64.4 31.9 95.7
 150 157.7 0.0 348.0

