

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077161.D
 Acq On : 23 Mar 2023 19:56
 Operator : JC\MD
 Sample : 02048-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Mar 24 01:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

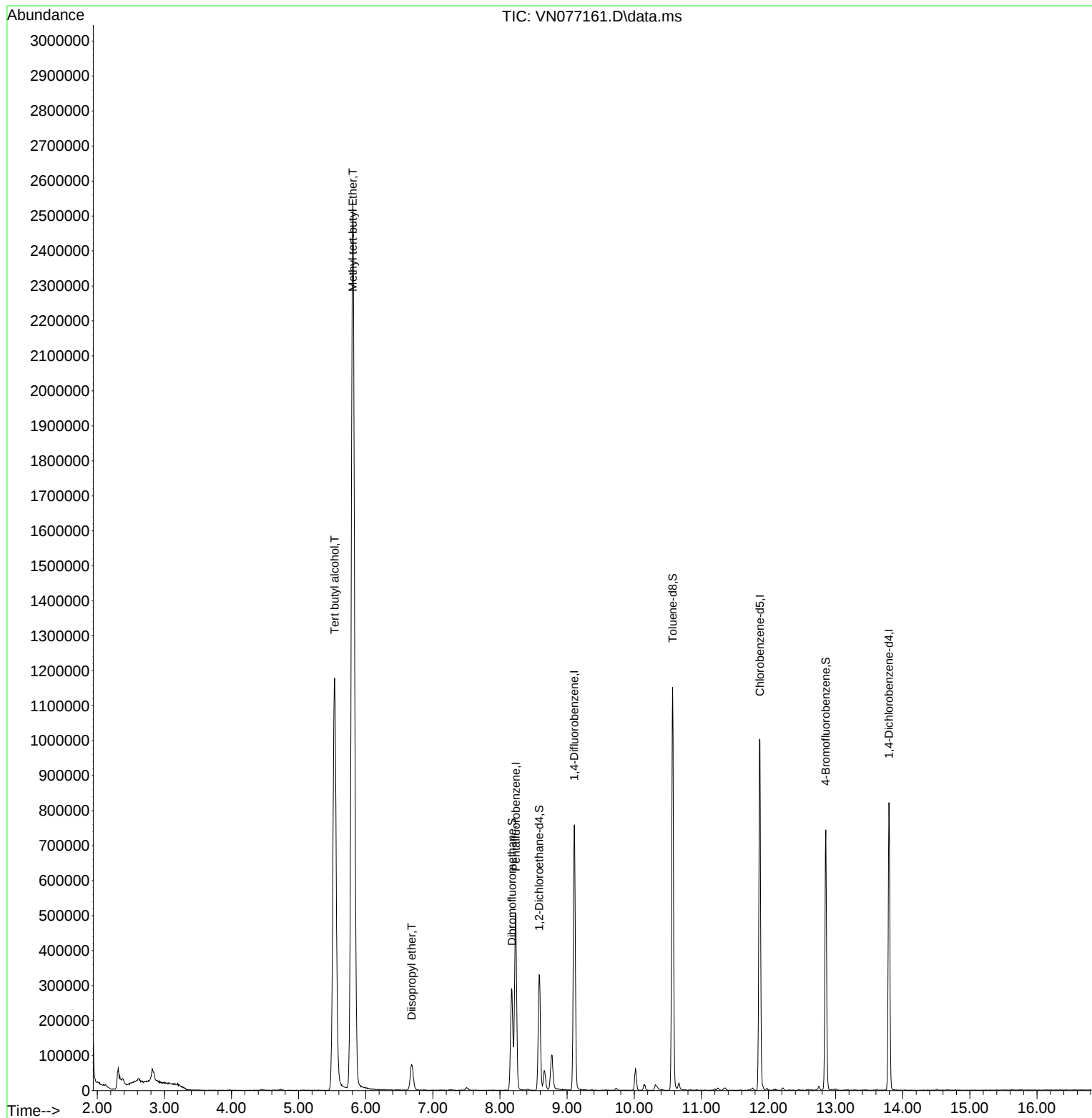
Internal Standards						
1) Pentafluorobenzene	8.236	168	349322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	634799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	549628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	208939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	272021	48.751	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.500%
35) Dibromofluoromethane	8.178	113	203422	45.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.520%
50) Toluene-d8	10.572	98	762864	48.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.854	95	231926	41.331	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.660%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.537	59	2049837	2521.092	ug/l	100
19) Methyl tert-butyl Ether	5.807	73	4028709	264.681	ug/l	98
22) Diisopropyl ether	6.684	45	88583	5.207	ug/l	94

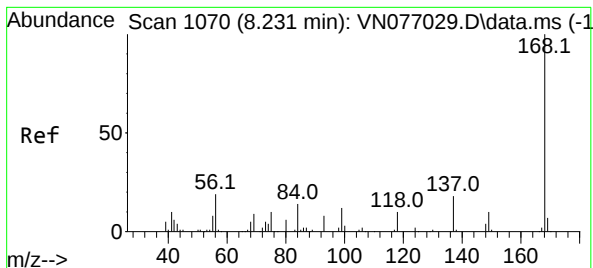
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1070

Delta R.T. 0.005 min

Lab File: VN077161.D

Acq: 23 Mar 2023 19:56

Instrument :

MSVOA_N

ClientSampleId :

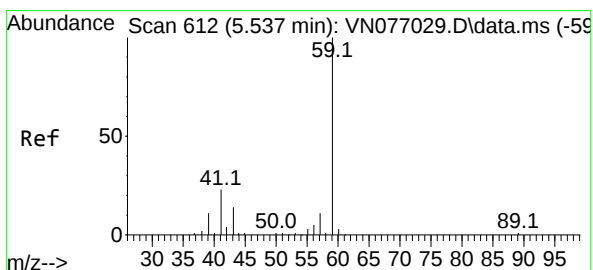
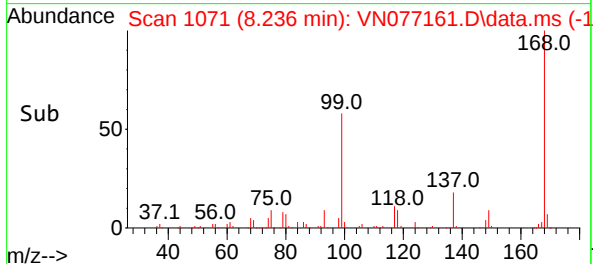
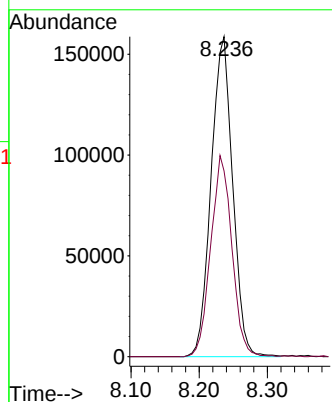
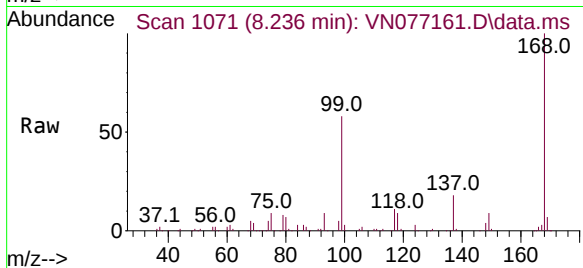
MW-7

Tgt Ion:168 Resp: 349322

Ion Ratio Lower Upper

168 100

99 58.1 53.9 80.9



#11

Tert butyl alcohol

Concen: 2521.092 ug/l

RT: 5.537 min Scan# 612

Delta R.T. -0.000 min

Lab File: VN077161.D

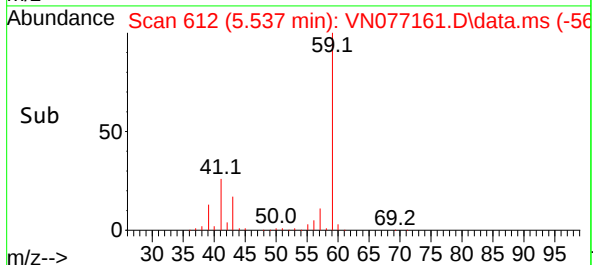
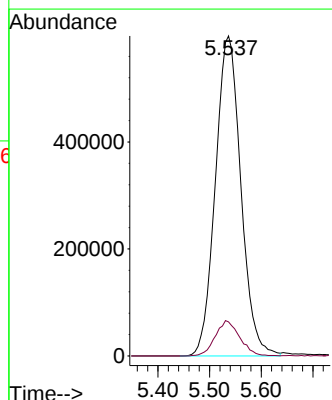
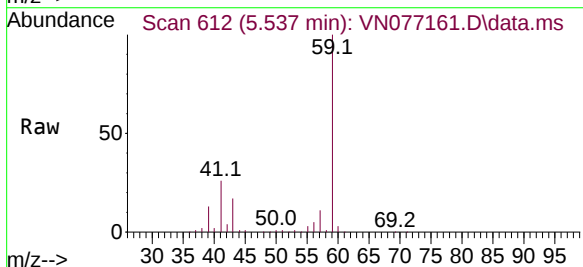
Acq: 23 Mar 2023 19:56

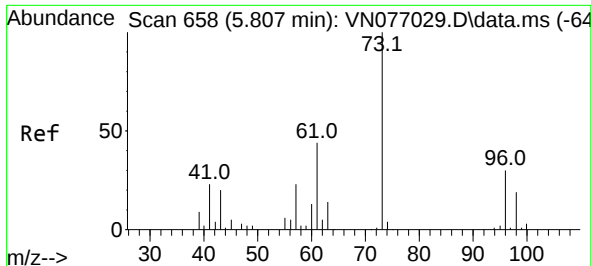
Tgt Ion: 59 Resp: 2049837

Ion Ratio Lower Upper

59 100

57 10.6 8.6 12.8

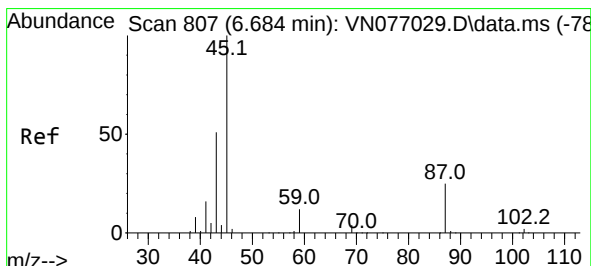
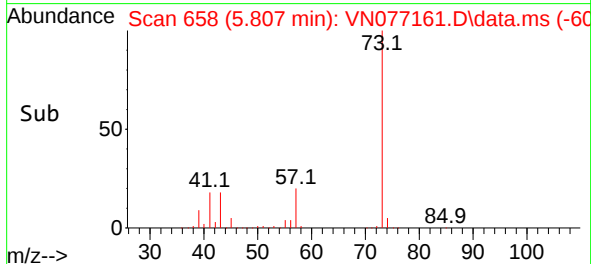
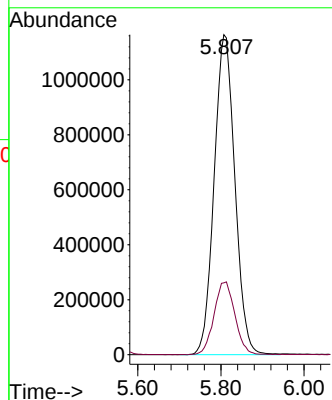
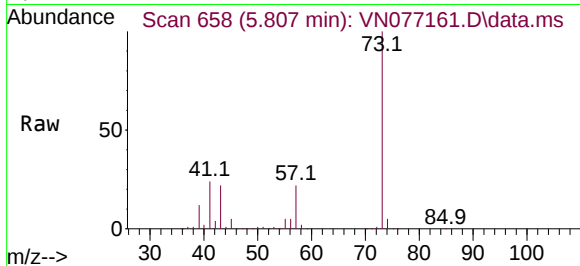




#19
Methyl tert-butyl Ether
Concen: 264.681 ug/l
RT: 5.807 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

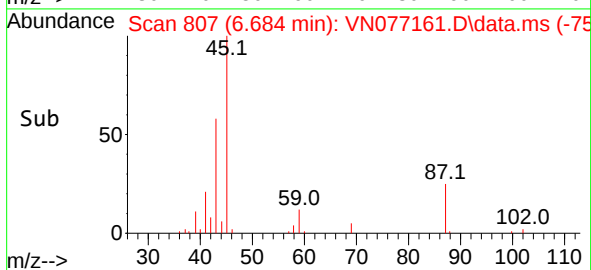
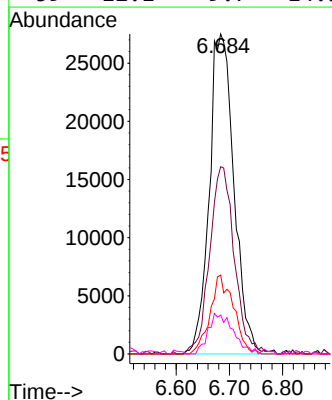
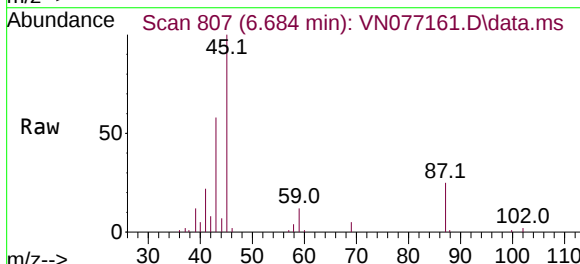
Instrument :
MSVOA_N
ClientSampleId :
MW-7

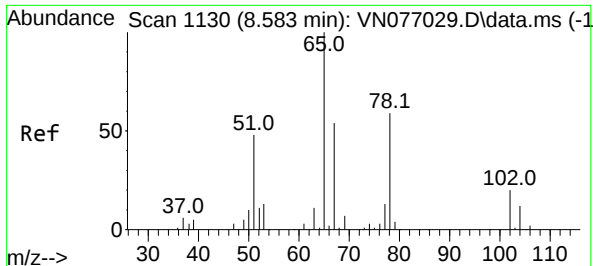
Tgt Ion: 73 Resp: 4028709
Ion Ratio Lower Upper
73 100
57 22.4 18.7 28.1



#22
Diisopropyl ether
Concen: 5.207 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Tgt Ion: 45 Resp: 88583
Ion Ratio Lower Upper
45 100
43 58.5 41.5 62.3
87 24.6 20.6 30.8
59 12.1 9.7 14.5





#33

1,2-Dichloroethane-d4

Concen: 48.751 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077161.D

Acq: 23 Mar 2023 19:56

Instrument :

MSVOA_N

ClientSampleId :

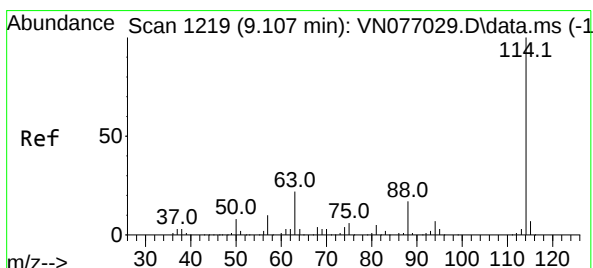
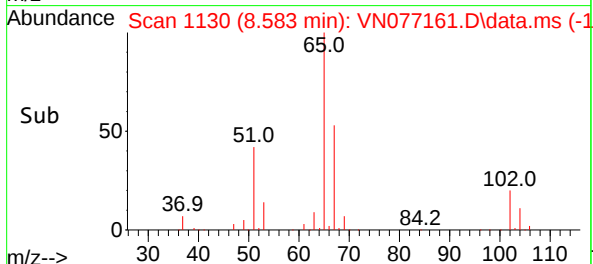
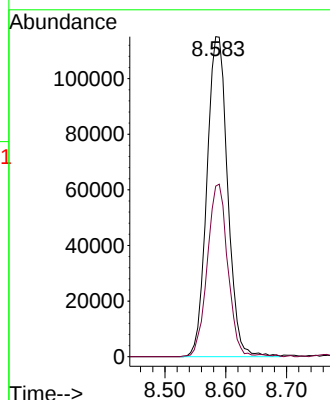
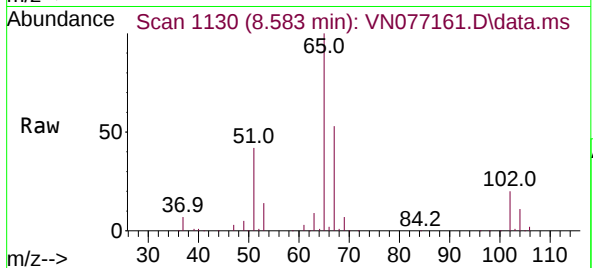
MW-7

Tgt Ion: 65 Resp: 272021

Ion Ratio Lower Upper

65 100

67 52.9 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: VN077161.D

Acq: 23 Mar 2023 19:56

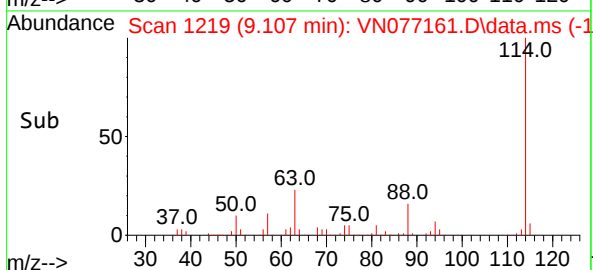
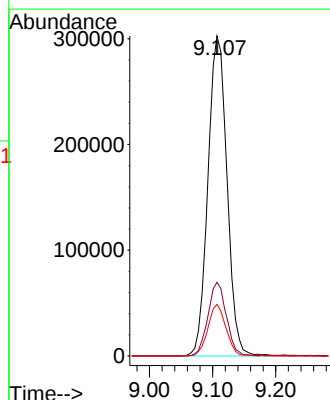
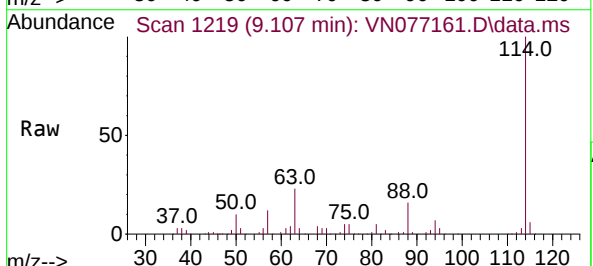
Tgt Ion: 114 Resp: 634799

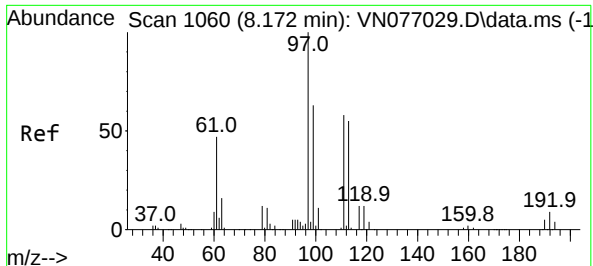
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.6

88 16.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.758 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN077161.D

Acq: 23 Mar 2023 19:56

Instrument :

MSVOA_N

ClientSampleId :

MW-7

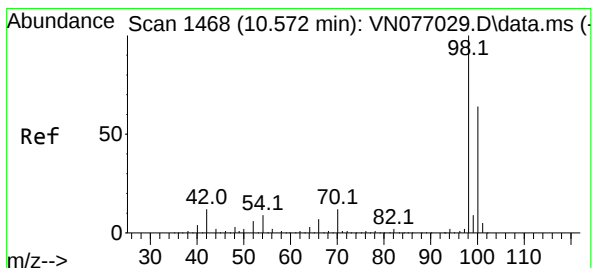
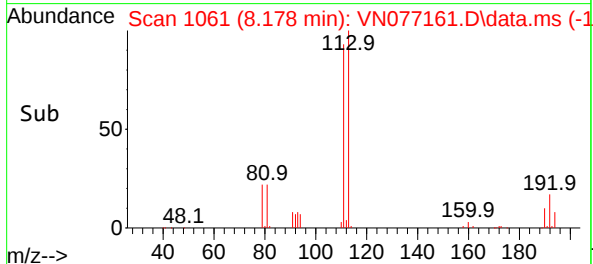
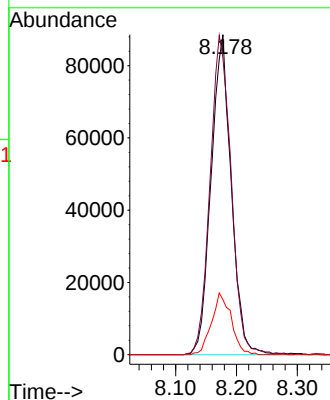
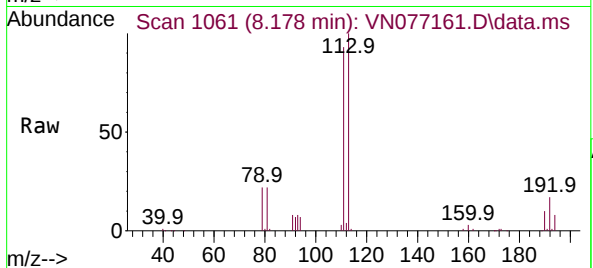
Tgt Ion:113 Resp: 203422

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.2

192 18.8 13.0 19.6



#50

Toluene-d8

Concen: 48.039 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077161.D

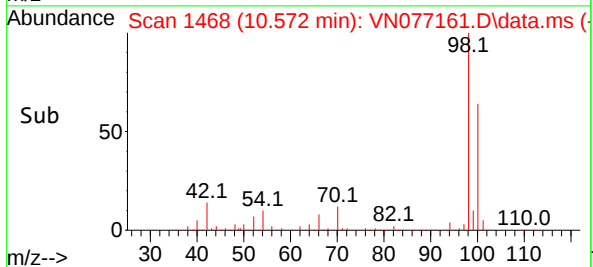
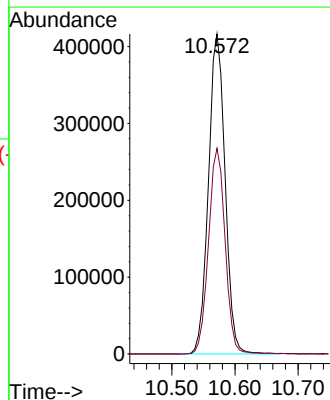
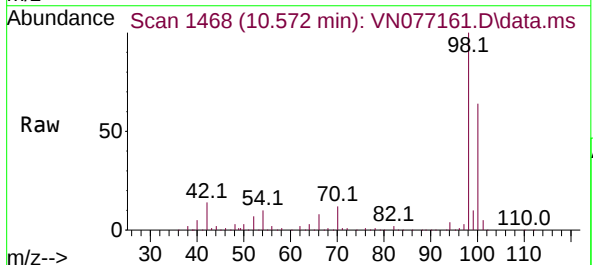
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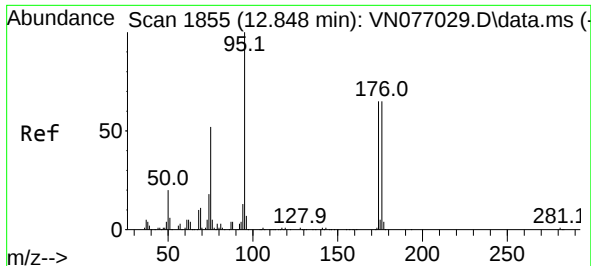
Tgt Ion: 98 Resp: 762864

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4

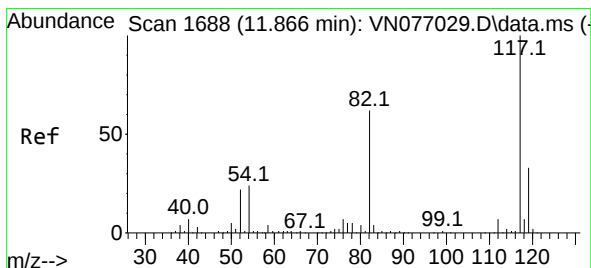
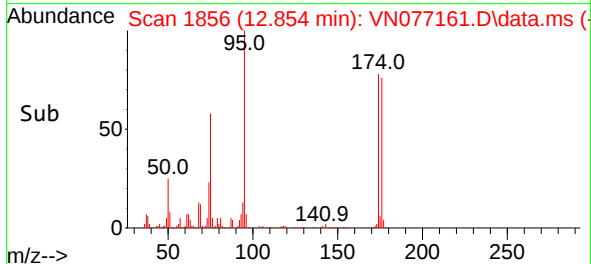
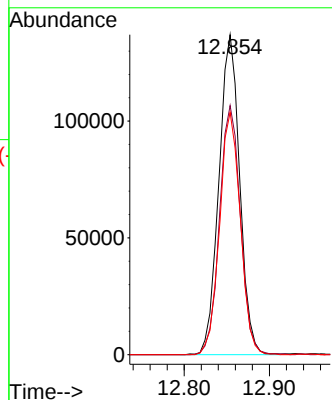
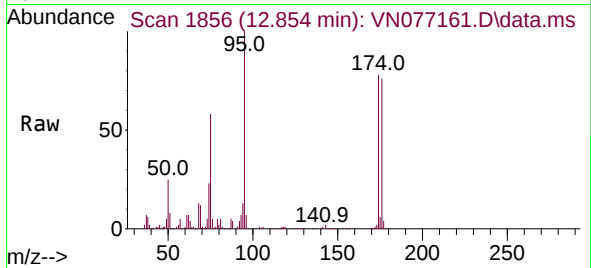




#62
4-Bromofluorobenzene
Concen: 41.331 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

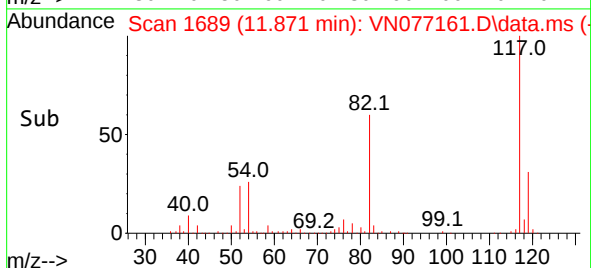
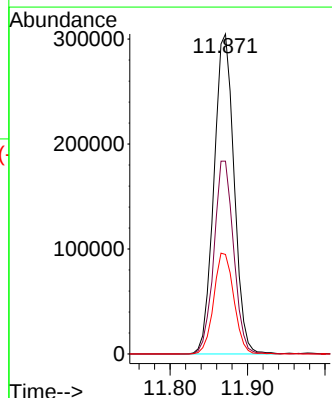
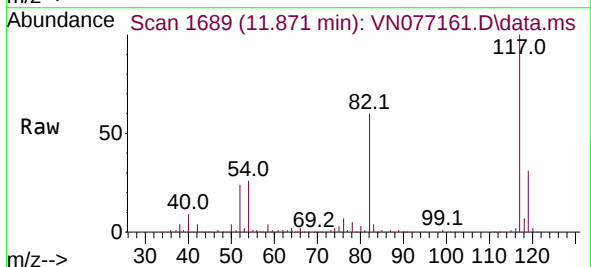
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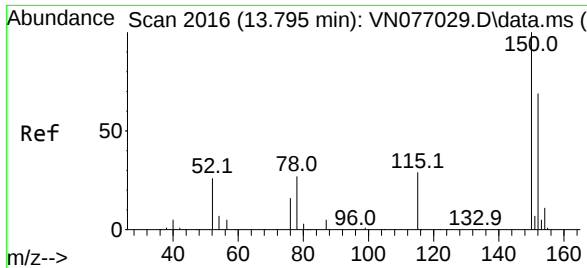
Tgt Ion: 95 Resp: 231926
Ion Ratio Lower Upper
95 100
174 78.1 0.0 136.6
176 75.4 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Tgt Ion: 117 Resp: 549628
Ion Ratio Lower Upper
117 100
82 60.3 49.4 74.0
119 31.1 26.5 39.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077161.D
 Acq: 23 Mar 2023 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Tgt Ion:152 Resp: 208939
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.9 95.7
 150 155.7 0.0 348.0

