

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077159.D
 Acq On : 23 Mar 2023 19:08
 Operator : JC\MD
 Sample : 02048-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Mar 24 01:36:47 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)

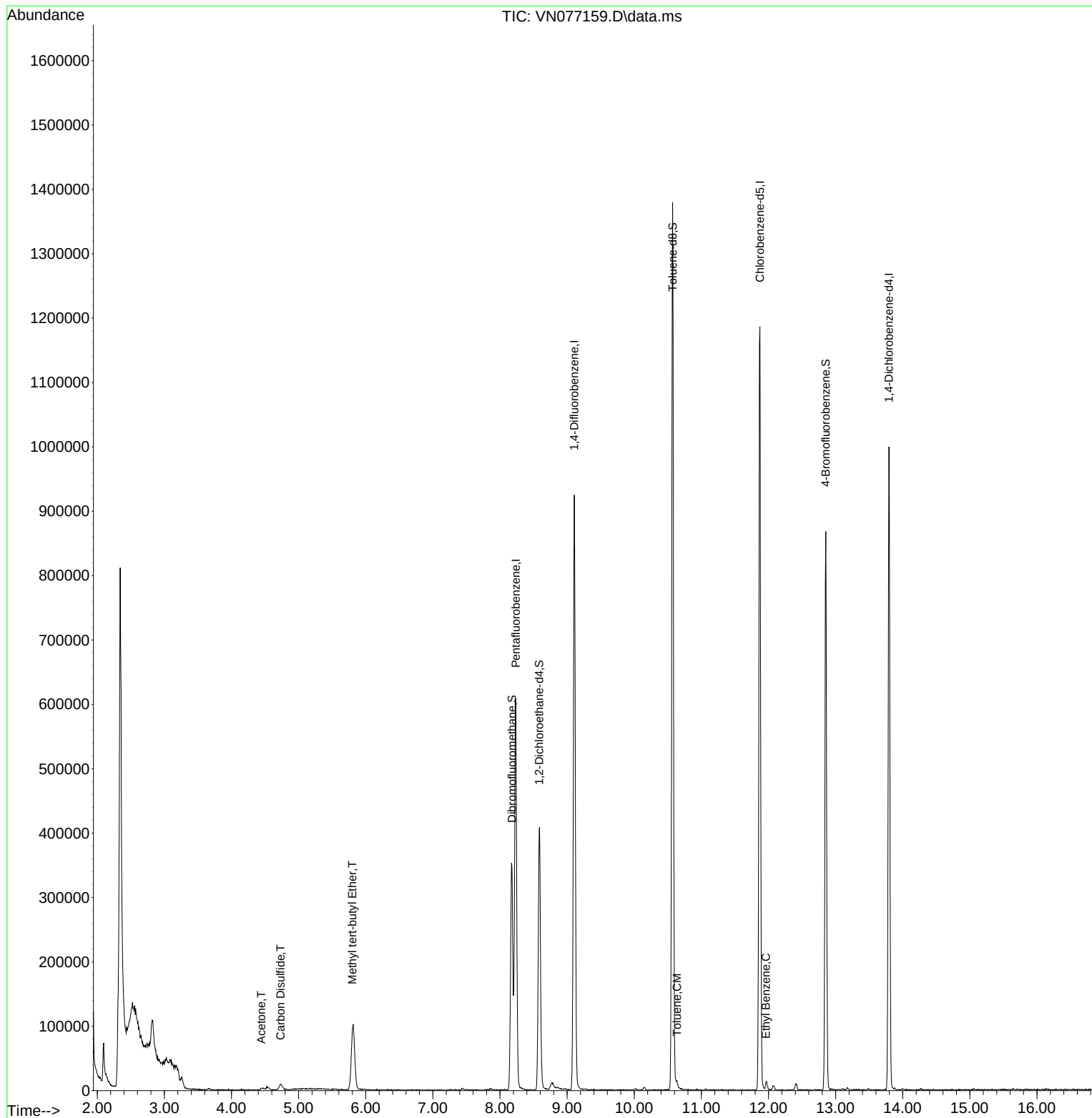
Internal Standards						
1) Pentafluorobenzene	8.236	168	411767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	738291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	649081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	250549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	332496	50.552	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.100%
35) Dibromofluoromethane	8.178	113	245505	47.483	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.960%
50) Toluene-d8	10.572	98	914968	49.540	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.080%
62) 4-Bromofluorobenzene	12.854	95	272110	41.694	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.380%
Target Compounds						
					Qvalue	
16) Acetone	4.443	43	7097	2.422	ug/l	94
17) Carbon Disulfide	4.731	76	11922	0.818	ug/l #	93
19) Methyl tert-butyl Ether	5.801	73	150275	8.376	ug/l	96
52) Toluene	10.636	92	3828	0.262	ug/l	99
67) Ethyl Benzene	11.960	91	8307	0.306	ug/l #	76

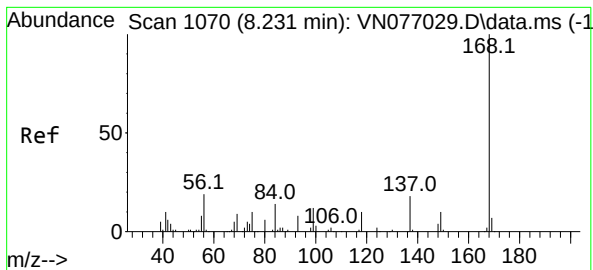
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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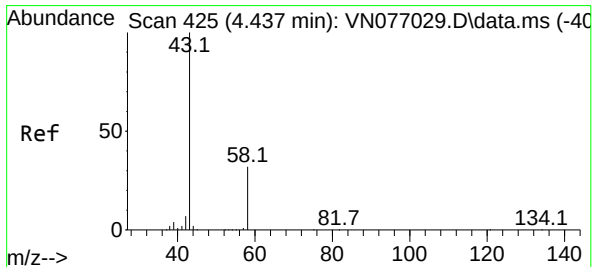
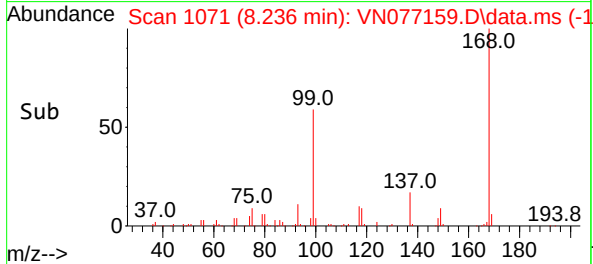
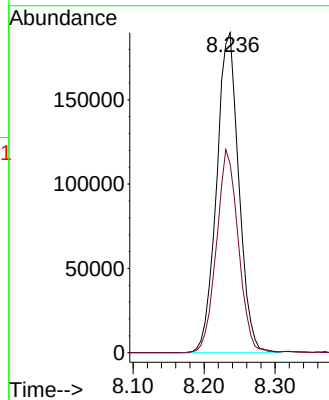
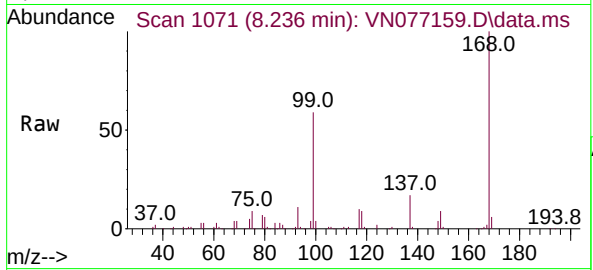




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN077159.D
Acq: 23 Mar 2023 19:08

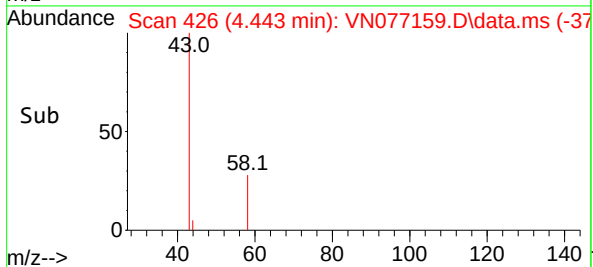
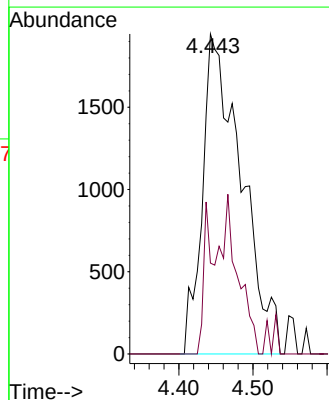
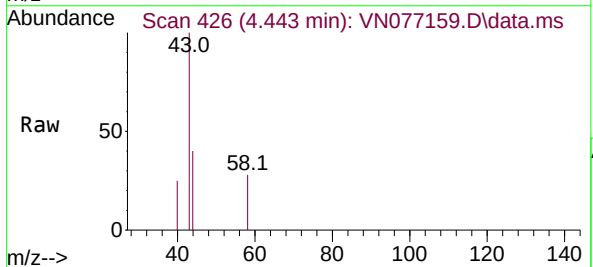
Instrument :
MSVOA_N
ClientSampleId :
MW-8

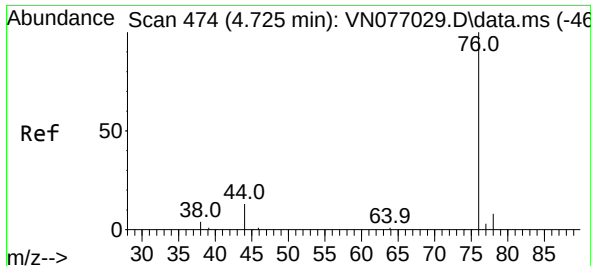
Tgt Ion:168 Resp: 411767
Ion Ratio Lower Upper
168 100
99 59.0 53.9 80.9



#16
Acetone
Concen: 2.422 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077159.D
Acq: 23 Mar 2023 19:08

Tgt Ion: 43 Resp: 7097
Ion Ratio Lower Upper
43 100
58 28.4 25.4 38.0

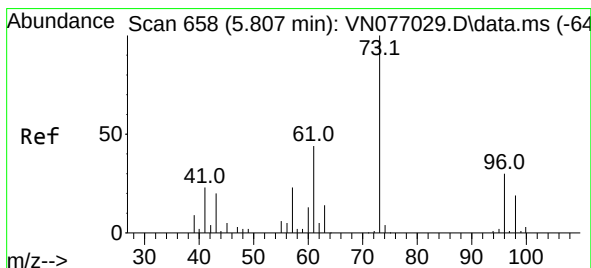
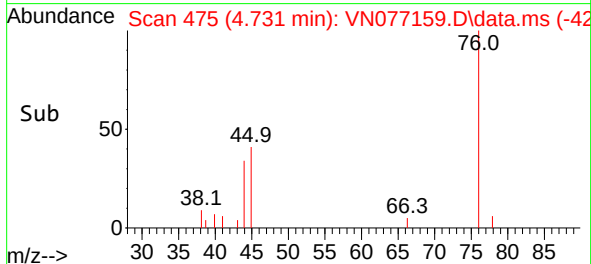
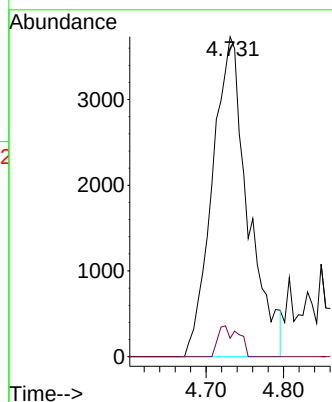
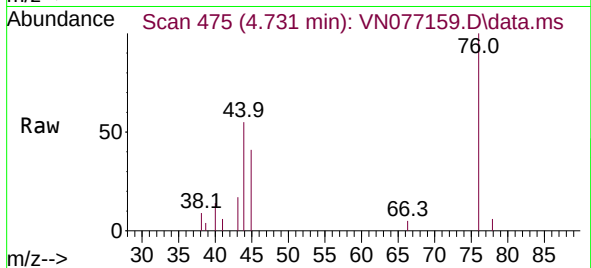




#17
Carbon Disulfide
Concen: 0.818 ug/l
RT: 4.731 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077159.D
Acq: 23 Mar 2023 19:08

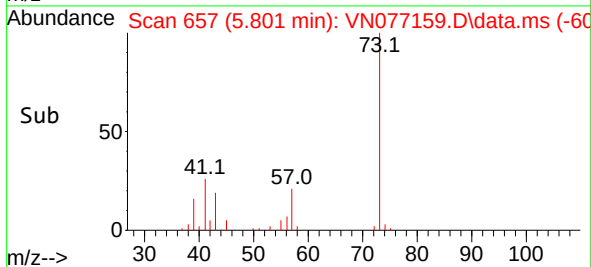
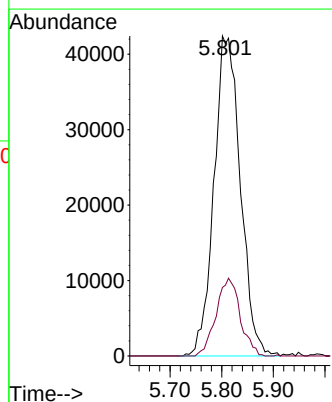
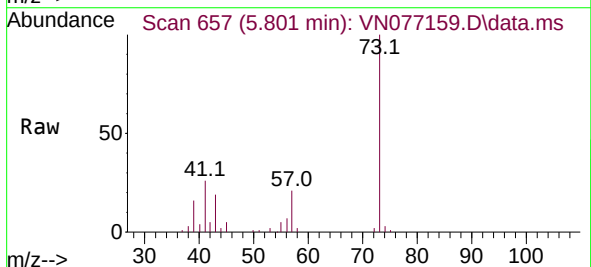
Instrument :
MSVOA_N
ClientSampleId :
MW-8

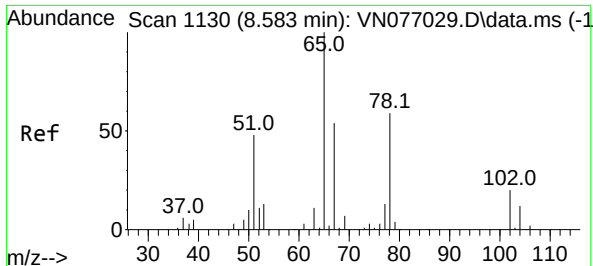
Tgt Ion: 76 Resp: 11922
Ion Ratio Lower Upper
76 100
78 5.8 6.6 10.0#



#19
Methyl tert-butyl Ether
Concen: 8.376 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN077159.D
Acq: 23 Mar 2023 19:08

Tgt Ion: 73 Resp: 150275
Ion Ratio Lower Upper
73 100
57 21.4 18.7 28.1





#33

1,2-Dichloroethane-d4

Concen: 50.552 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077159.D

Acq: 23 Mar 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

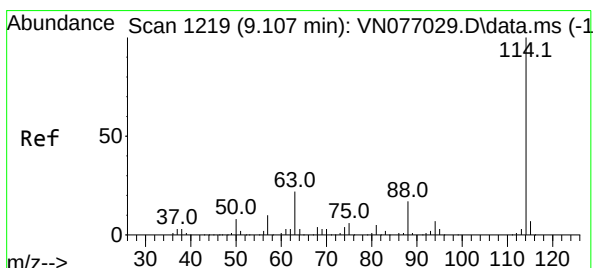
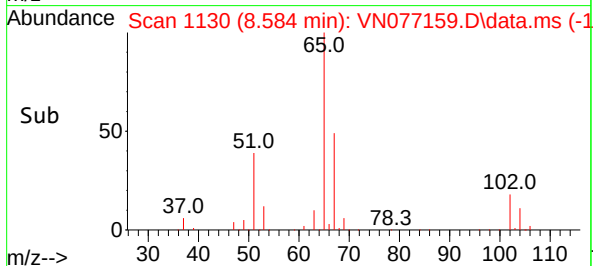
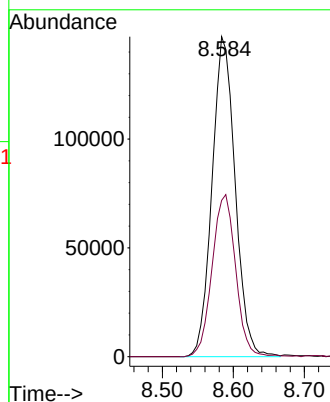
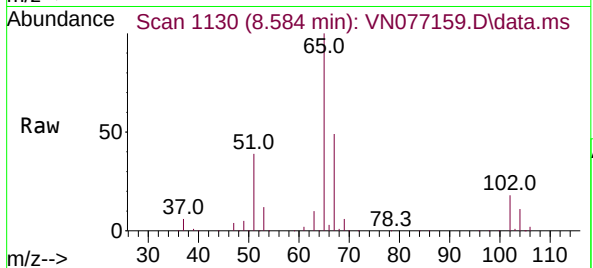
MW-8

Tgt Ion: 65 Resp: 332496

Ion Ratio Lower Upper

65 100

67 51.6 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: VN077159.D

Acq: 23 Mar 2023 19:08

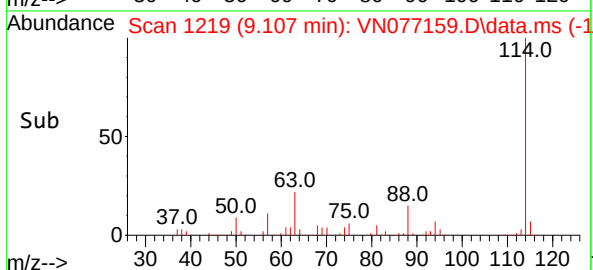
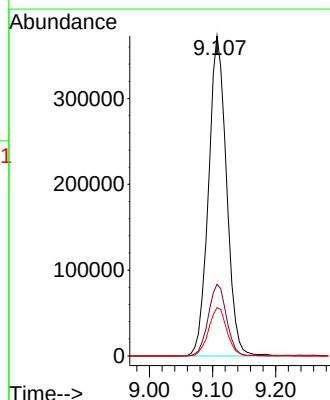
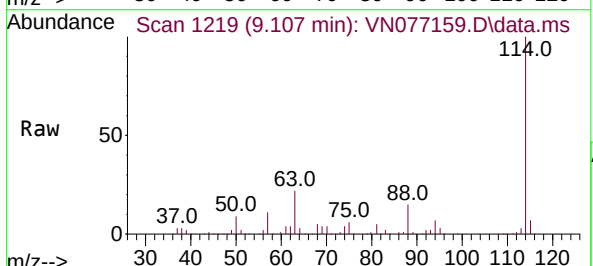
Tgt Ion: 114 Resp: 738291

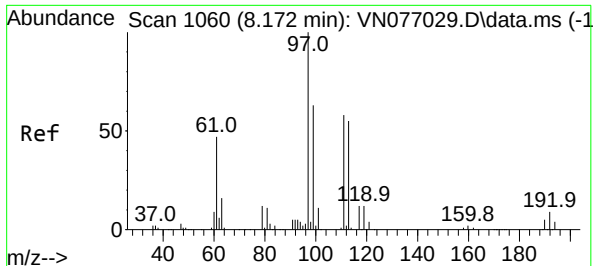
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 15.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.483 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN077159.D

Acq: 23 Mar 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

MW-8

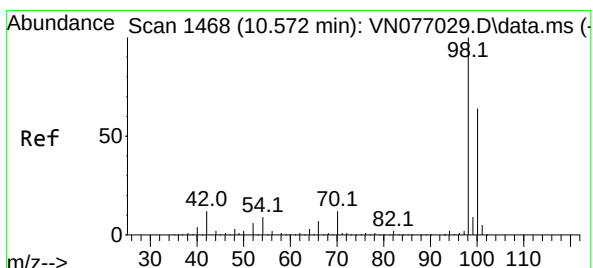
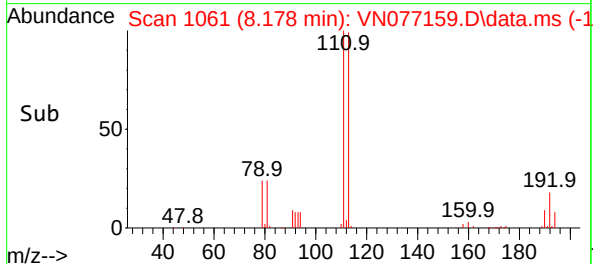
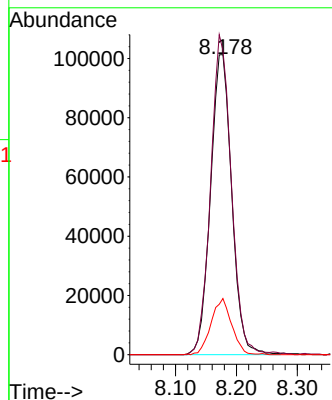
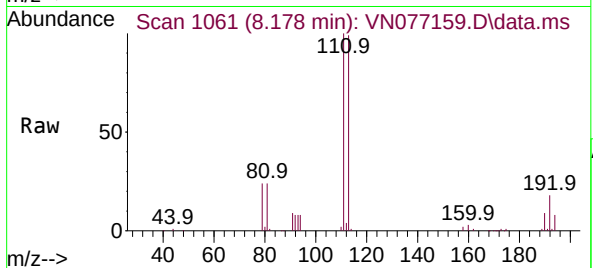
Tgt Ion:113 Resp: 245505

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

192 18.1 13.0 19.6



#50

Toluene-d8

Concen: 49.540 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077159.D

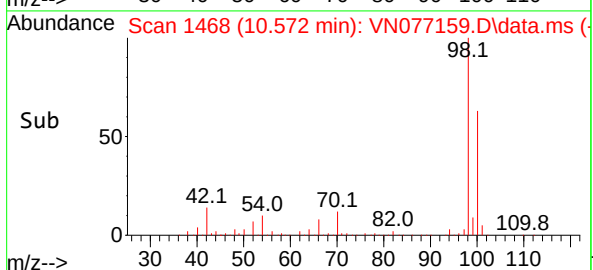
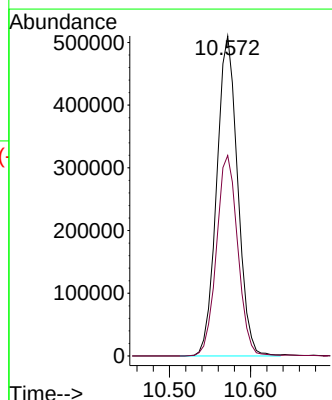
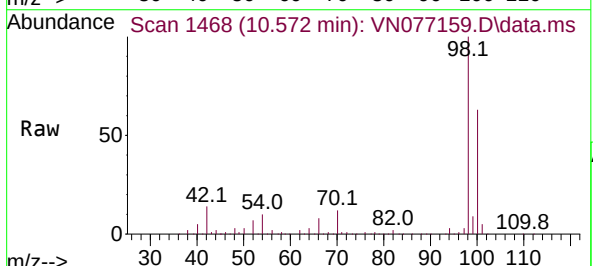
Acq: 23 Mar 2023 19:08

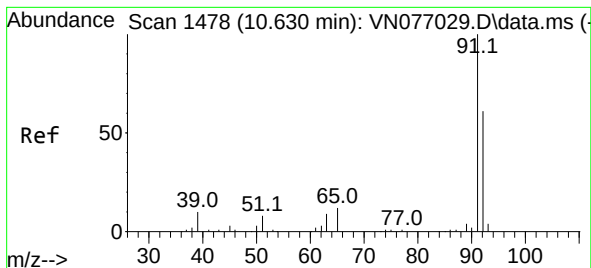
Tgt Ion: 98 Resp: 914968

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4





#52

Toluene

Concen: 0.262 ug/l

RT: 10.636 min Scan# 1478

Delta R.T. 0.006 min

Lab File: VN077159.D

Acq: 23 Mar 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

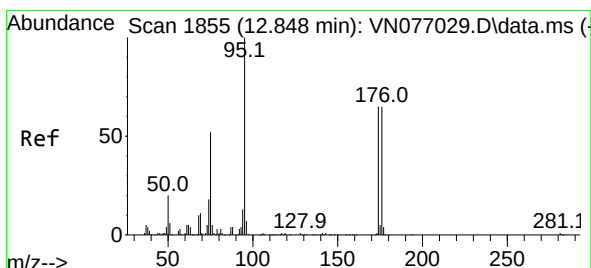
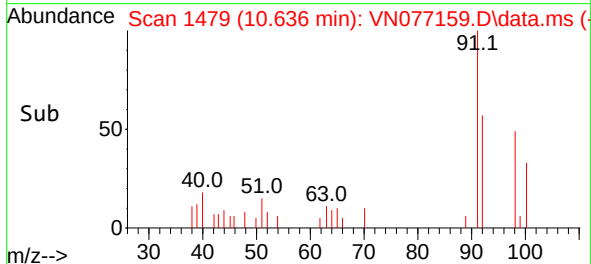
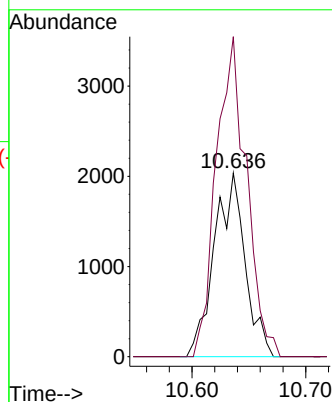
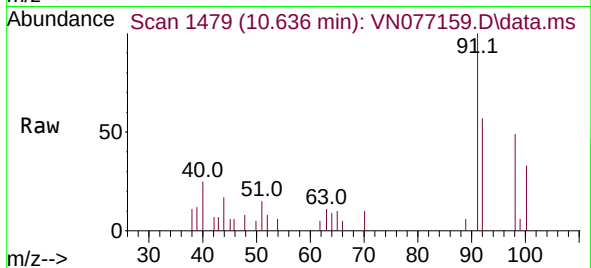
MW-8

Tgt Ion: 92 Resp: 3828

Ion Ratio Lower Upper

92 100

91 171.5 135.8 203.8



#62

4-Bromofluorobenzene

Concen: 41.694 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077159.D

Acq: 23 Mar 2023 19:08

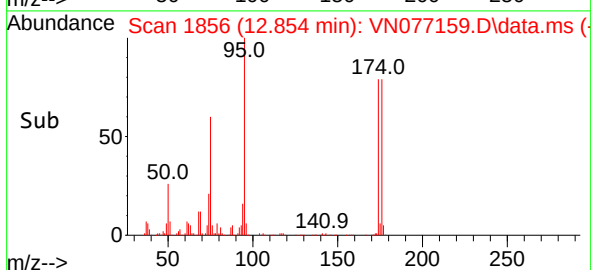
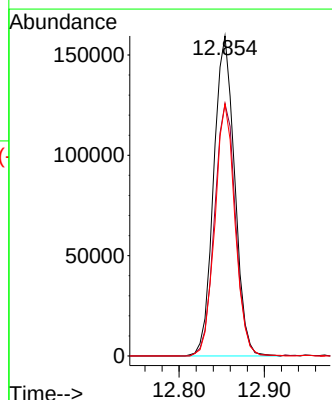
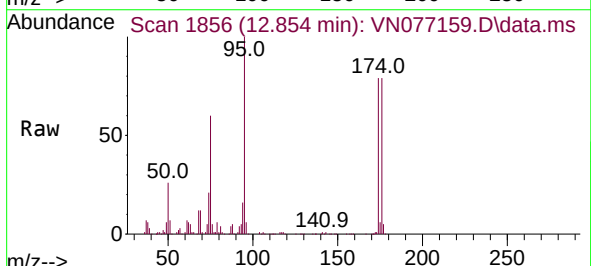
Tgt Ion: 95 Resp: 272110

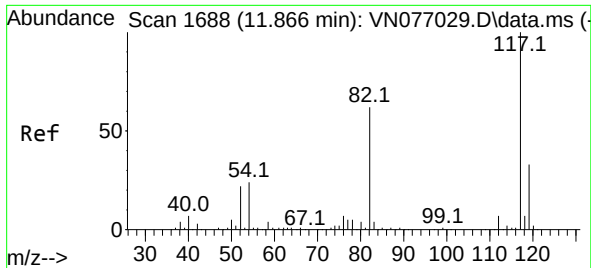
Ion Ratio Lower Upper

95 100

174 79.2 0.0 136.6

176 75.8 0.0 130.0

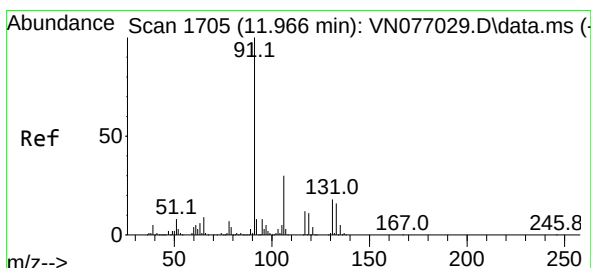
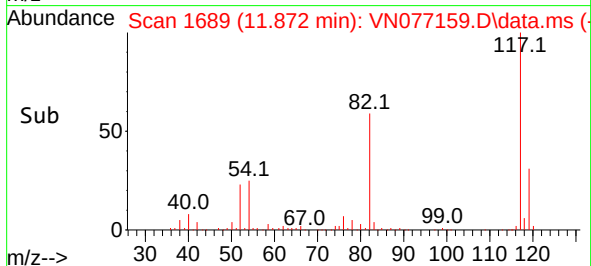
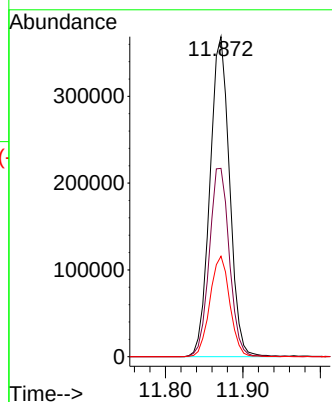
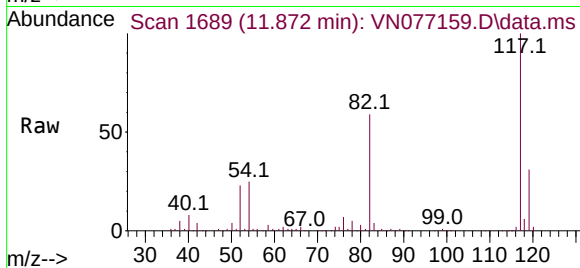




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077159.D
Acq: 23 Mar 2023 19:08

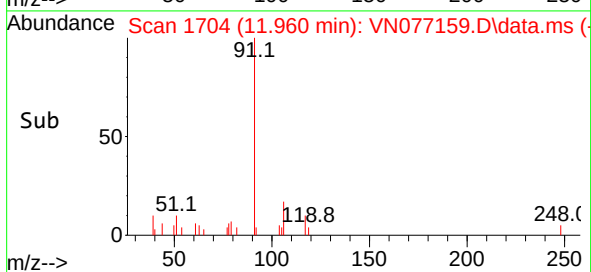
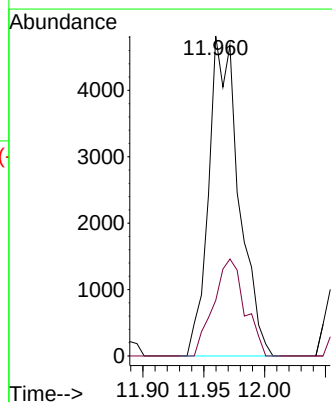
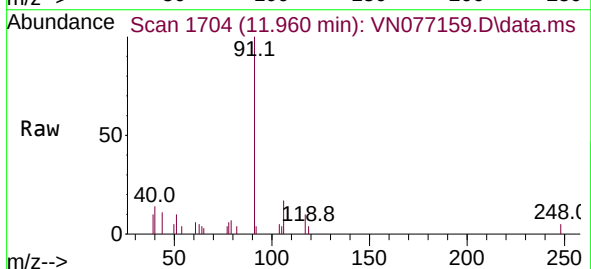
Instrument :
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MW-8

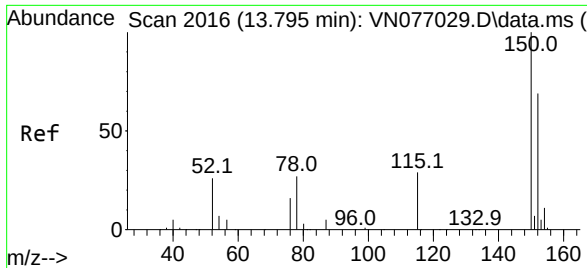
Tgt Ion:117 Resp: 649081
Ion Ratio Lower Upper
117 100
82 58.9 49.4 74.0
119 31.4 26.5 39.7



#67
Ethyl Benzene
Concen: 0.306 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN077159.D
Acq: 23 Mar 2023 19:08

Tgt Ion: 91 Resp: 8307
Ion Ratio Lower Upper
91 100
106 17.3 24.3 36.5#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077159.D
 Acq: 23 Mar 2023 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Tgt Ion:152 Resp: 250549
 Ion Ratio Lower Upper
 152 100
 115 60.8 31.9 95.7
 150 160.2 0.0 348.0

