

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080484.D
 Acq On : 14 Dec 2023 15:52
 Operator : JC\MD
 Sample : 05670-03 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6A

Quant Time: Dec 15 00:28:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

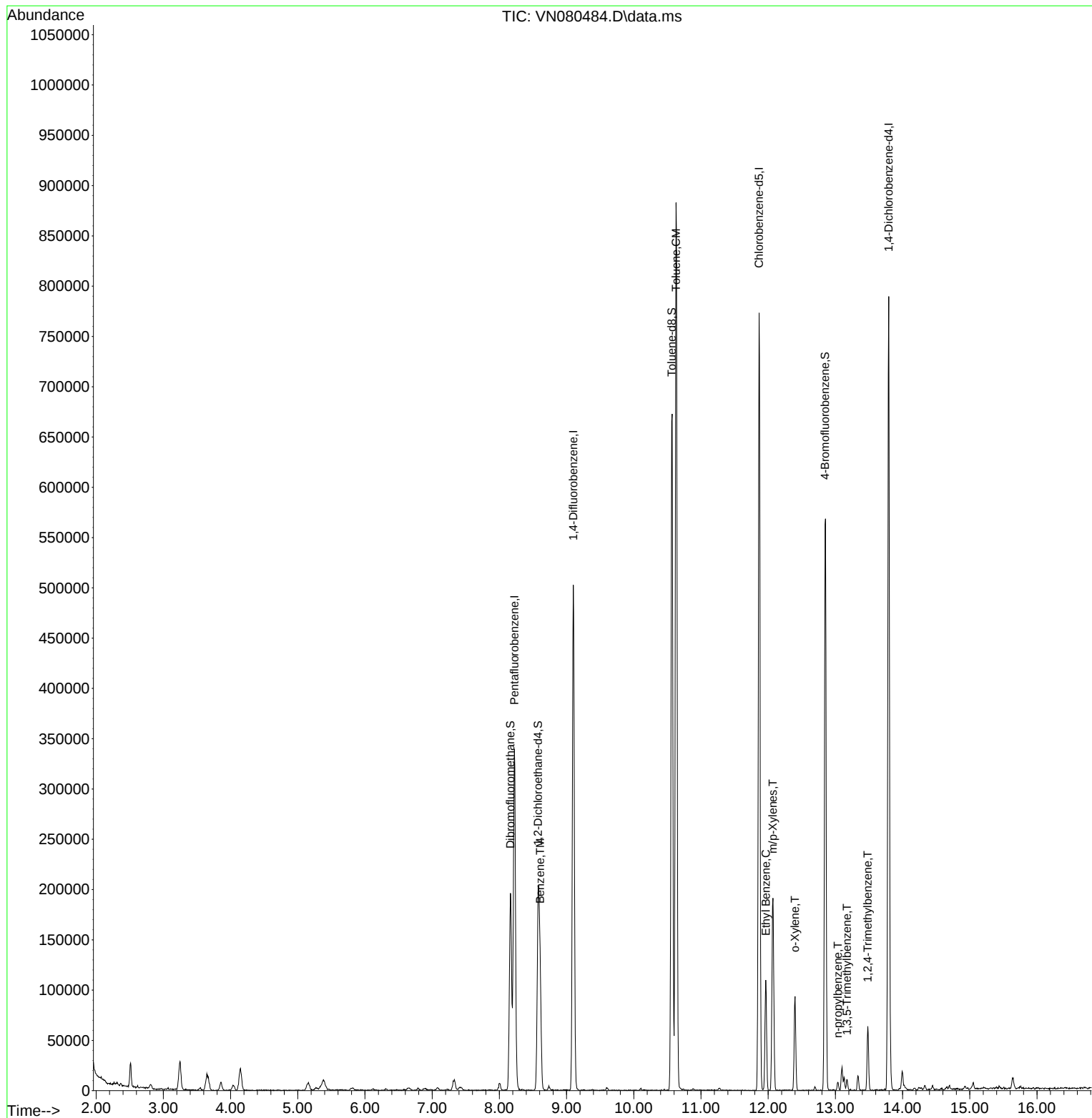
Internal Standards						
1) Pentafluorobenzene	8.224	168	238662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	433704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	442694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162390	53.273	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.540%			
35) Dibromofluoromethane	8.165	113	137343	49.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	10.565	98	482512	47.049	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.100%			
62) 4-Bromofluorobenzene	12.847	95	206339	52.985	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.960%			
Target Compounds					Qvalue	
40) Benzene	8.606	78	115605	8.904	ug/l	95
52) Toluene	10.629	92	404813	49.355	ug/l	98
67) Ethyl Benzene	11.965	91	77318	4.270	ug/l	97
68) m/p-Xylenes	12.070	106	62056	9.274	ug/l	87
69) o-Xylene	12.400	106	25115	3.837	ug/l	91
78) n-propylbenzene	13.035	91	7252	0.398	ug/l	90
80) 1,3,5-Trimethylbenzene	13.170	105	6005	0.422	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	35565	2.513	ug/l	96

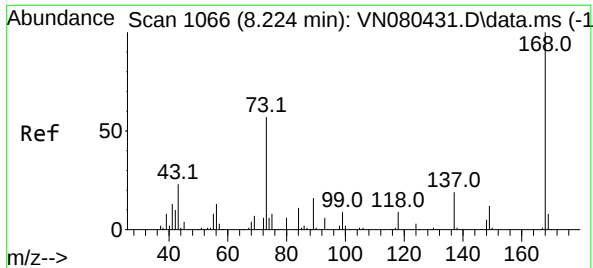
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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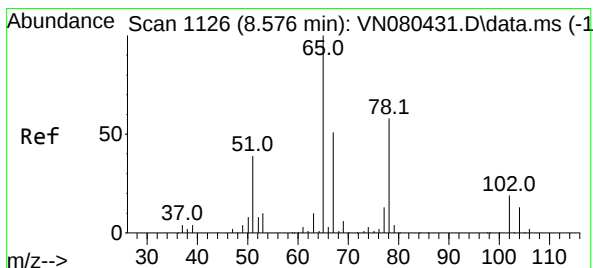
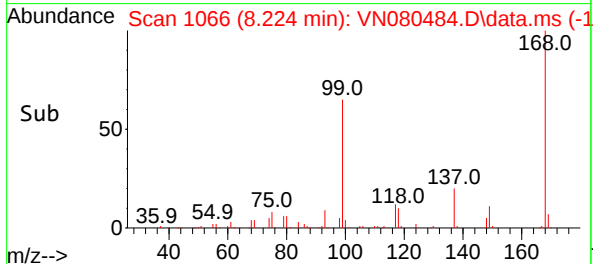
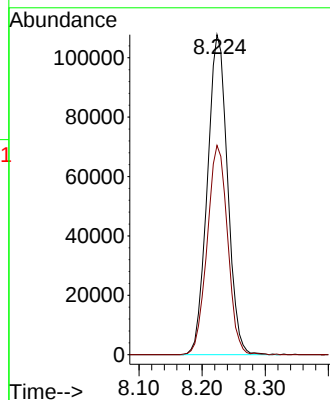
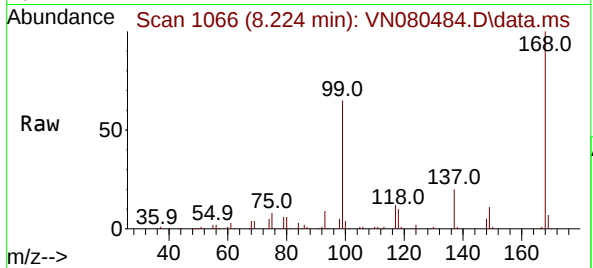




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080484.D
Acq: 14 Dec 2023 15:52

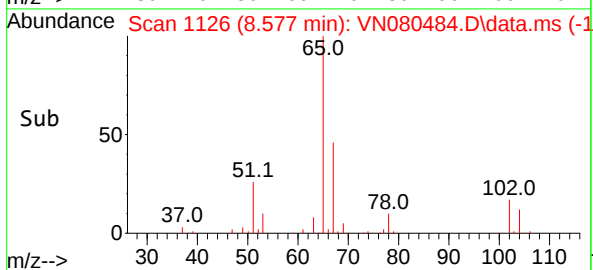
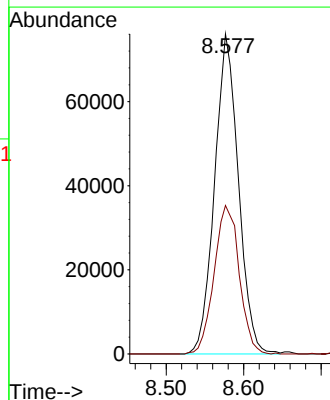
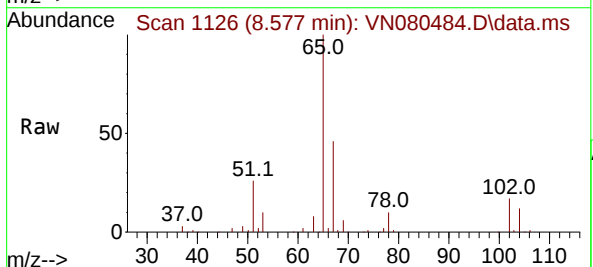
Instrument :
MSVOA_N
ClientSampleId :
MW-6A

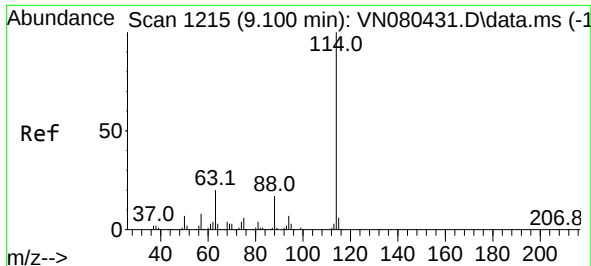
Tgt Ion:168 Resp: 238662
Ion Ratio Lower Upper
168 100
99 65.4 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 53.273 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080484.D
Acq: 14 Dec 2023 15:52

Tgt Ion: 65 Resp: 162390
Ion Ratio Lower Upper
65 100
67 48.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080484.D

Acq: 14 Dec 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :

MW-6A

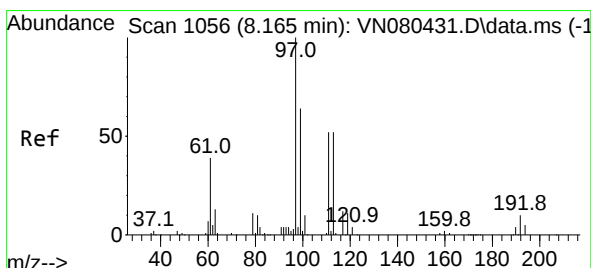
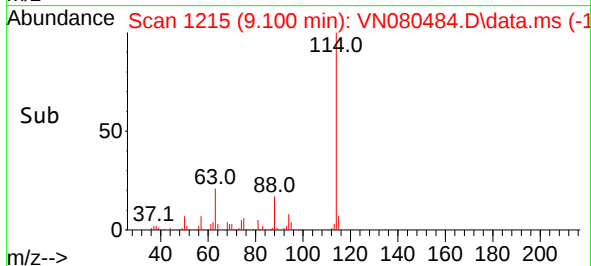
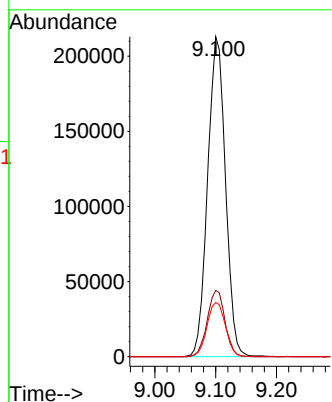
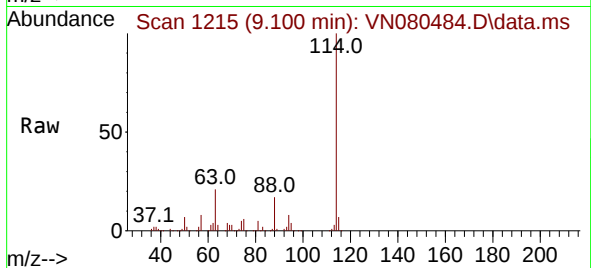
Tgt Ion:114 Resp: 433704

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 16.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.946 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080484.D

Acq: 14 Dec 2023 15:52

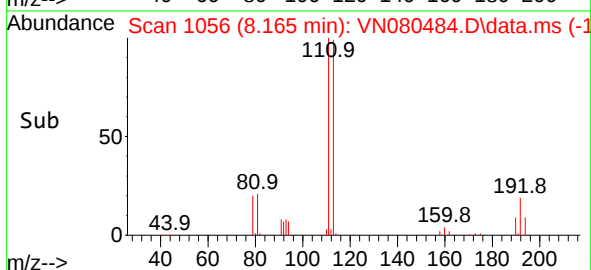
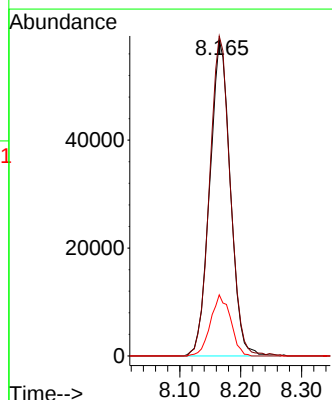
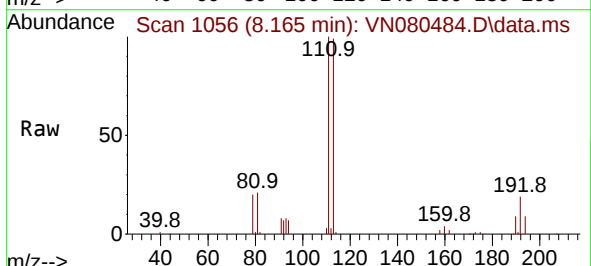
Tgt Ion:113 Resp: 137343

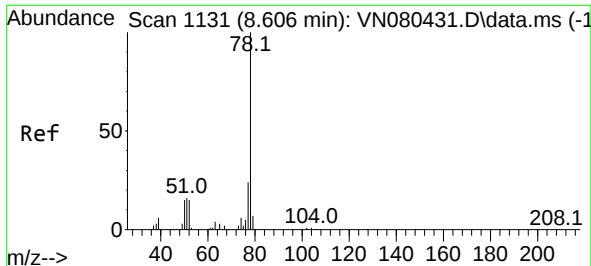
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 18.9 12.7 19.1

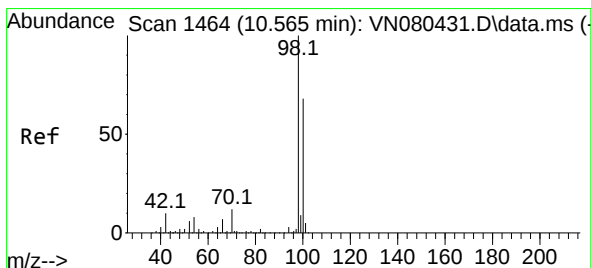
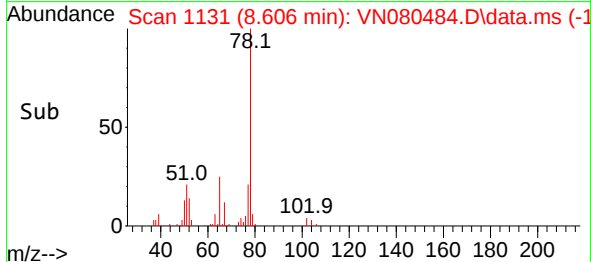
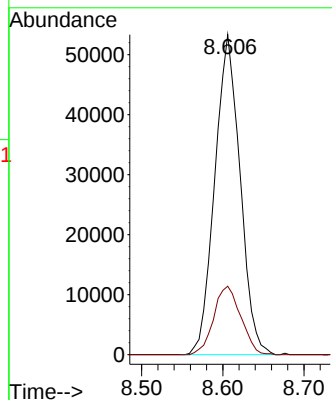
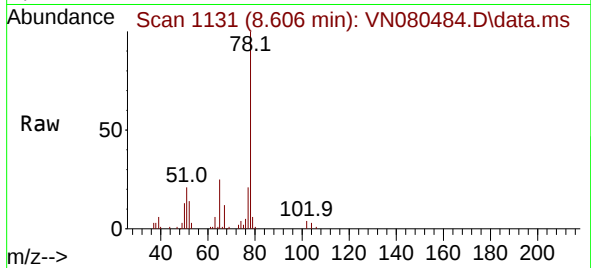




#40
Benzene
Concen: 8.904 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080484.D
Acq: 14 Dec 2023 15:52

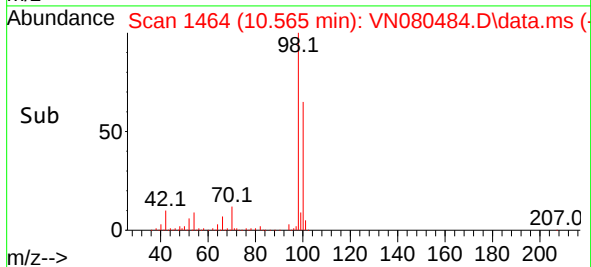
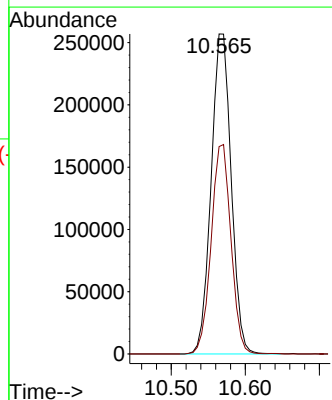
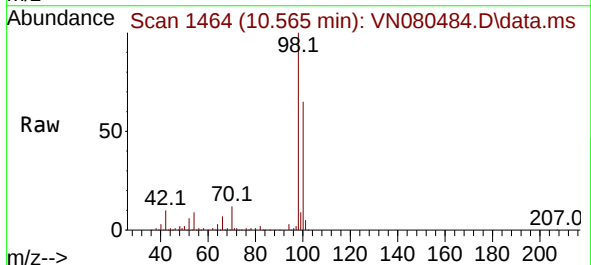
Instrument :
MSVOA_N
ClientSampleId :
MW-6A

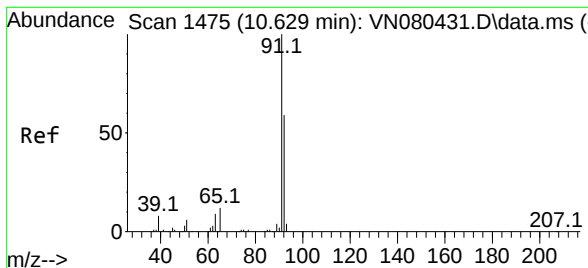
Tgt Ion: 78 Resp: 115605
Ion Ratio Lower Upper
78 100
77 21.4 19.0 28.6



#50
Toluene-d8
Concen: 47.049 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080484.D
Acq: 14 Dec 2023 15:52

Tgt Ion: 98 Resp: 482512
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#52

Toluene

Concen: 49.355 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080484.D

Acq: 14 Dec 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :

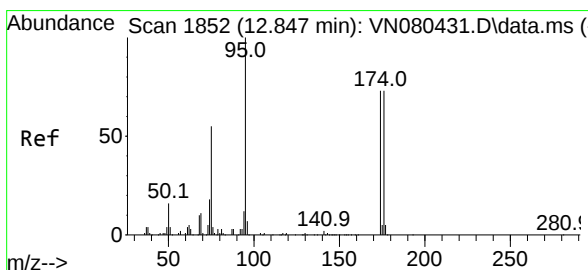
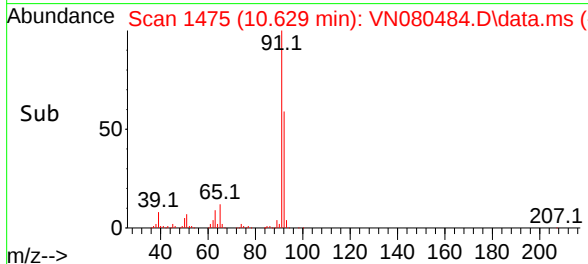
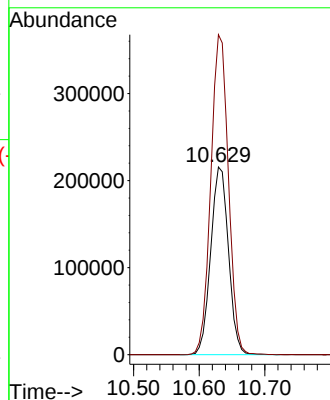
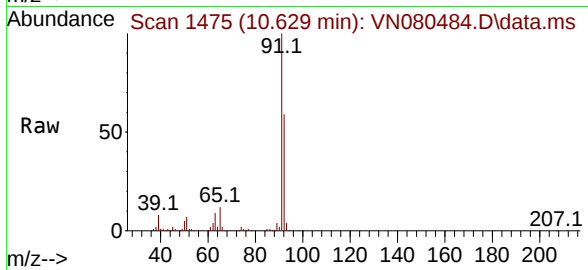
MW-6A

Tgt Ion: 92 Resp: 404813

Ion Ratio Lower Upper

92 100

91 169.3 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 52.985 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN080484.D

Acq: 14 Dec 2023 15:52

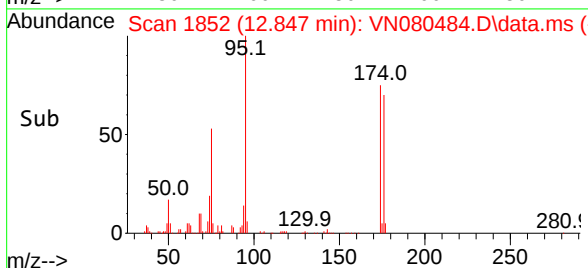
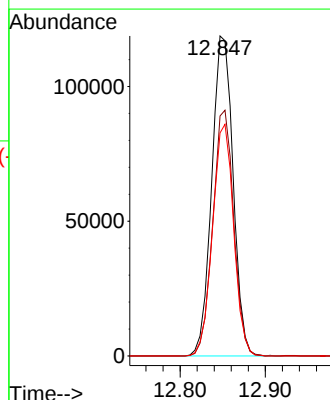
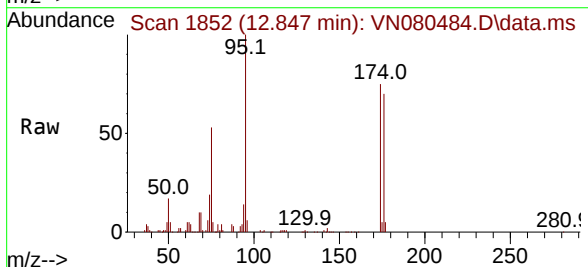
Tgt Ion: 95 Resp: 206339

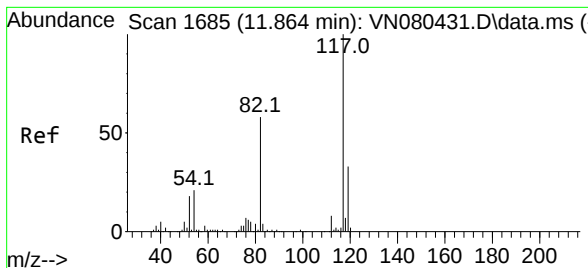
Ion Ratio Lower Upper

95 100

174 75.5 0.0 143.8

176 71.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080484.D

Acq: 14 Dec 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :

MW-6A

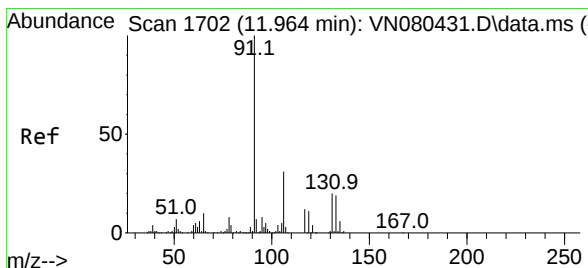
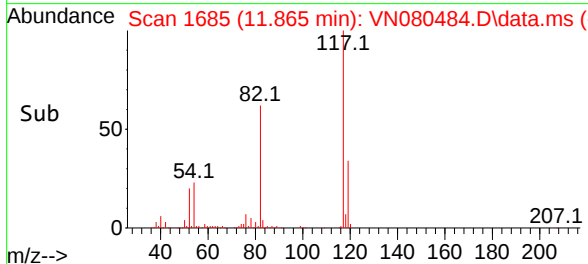
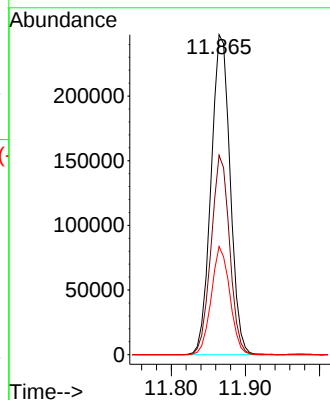
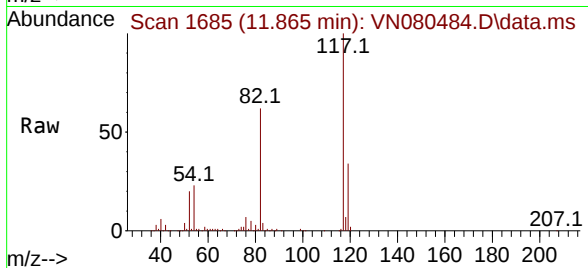
Tgt Ion:117 Resp: 442694

Ion Ratio Lower Upper

117 100

82 62.3 44.0 66.0

119 33.8 25.6 38.4



#67

Ethyl Benzene

Concen: 4.270 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN080484.D

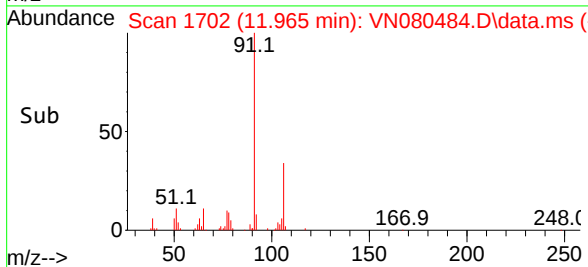
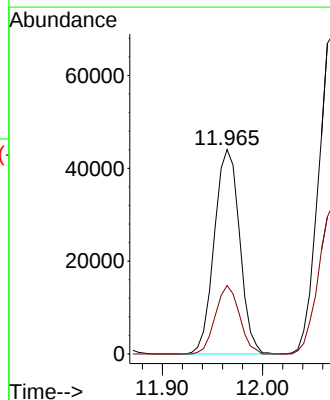
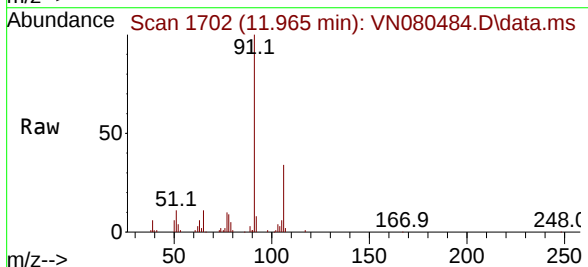
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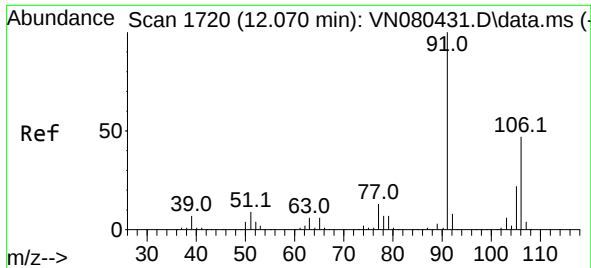
Tgt Ion: 91 Resp: 77318

Ion Ratio Lower Upper

91 100

106 33.5 25.6 38.4

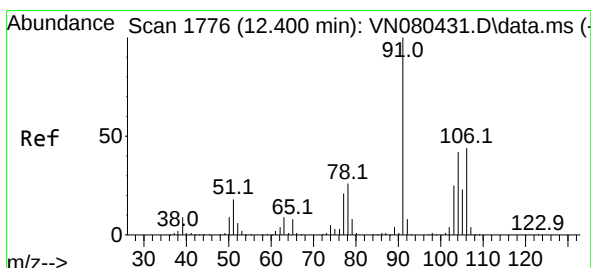
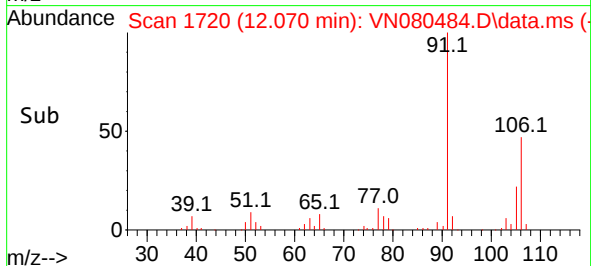
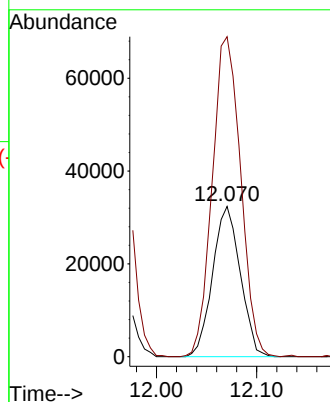
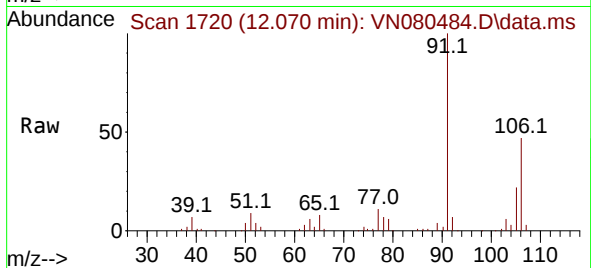




#68
m/p-Xylenes
Concen: 9.274 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080484.D
Acq: 14 Dec 2023 15:52

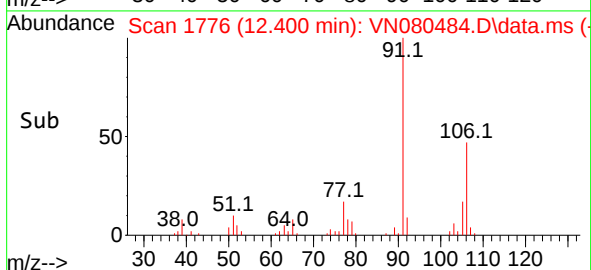
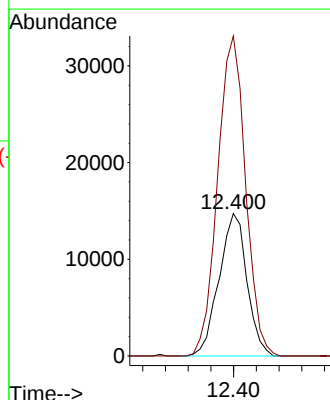
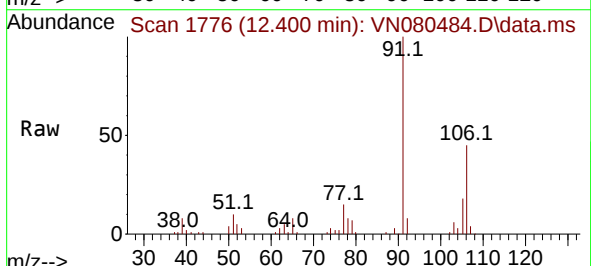
Instrument :
MSVOA_N
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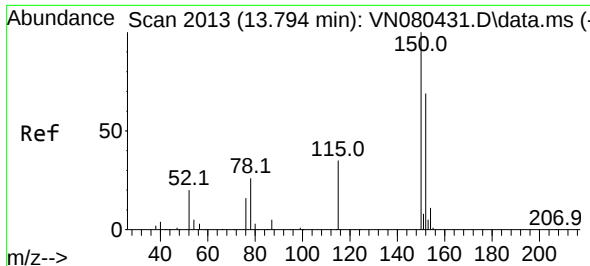
Tgt Ion:106 Resp: 62056
Ion Ratio Lower Upper
106 100
91 218.5 159.6 239.4



#69
o-Xylene
Concen: 3.837 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080484.D
Acq: 14 Dec 2023 15:52

Tgt Ion:106 Resp: 25115
Ion Ratio Lower Upper
106 100
91 224.6 105.2 315.5

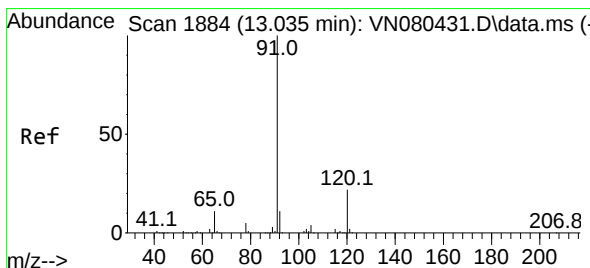
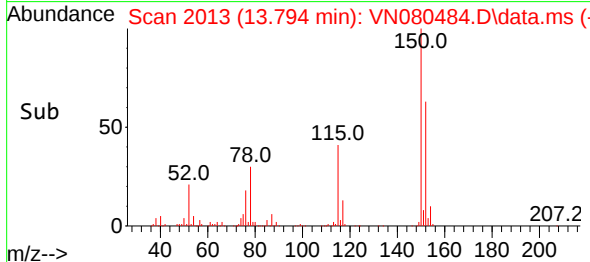
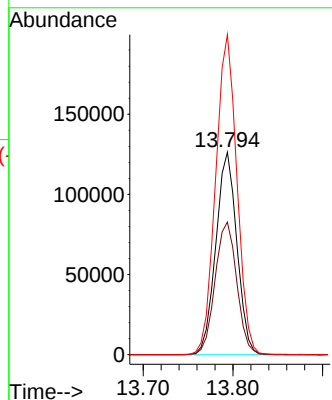
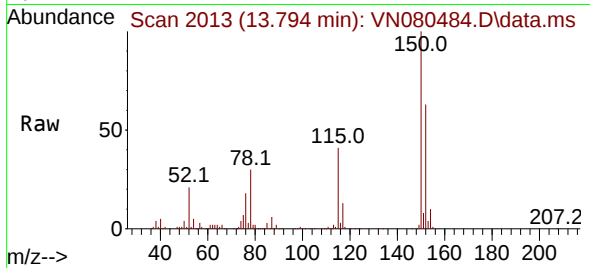




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080484.D
 Acq: 14 Dec 2023 15:52

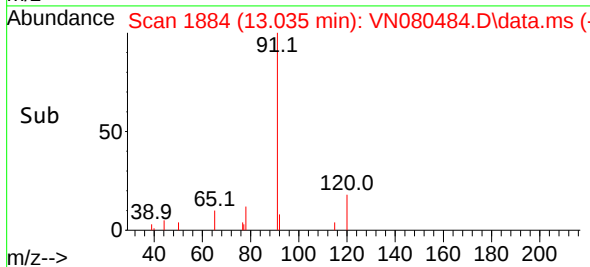
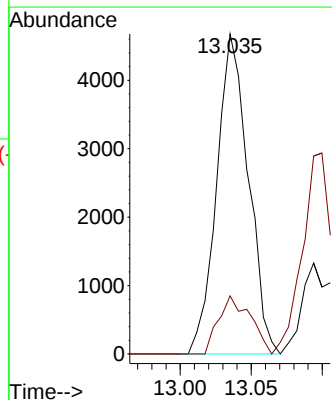
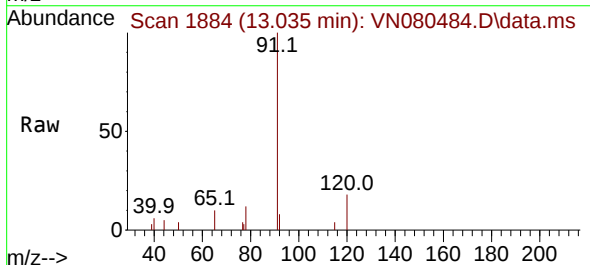
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6A

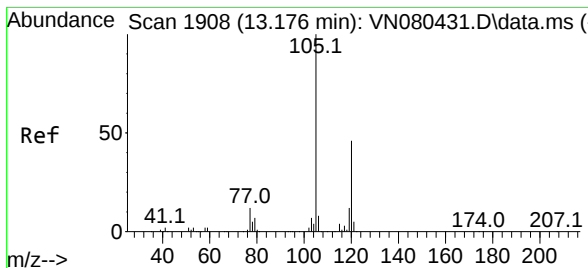
Tgt Ion:152 Resp: 205657
 Ion Ratio Lower Upper
 152 100
 115 67.6 32.3 96.8
 150 159.7 0.0 355.8



#78
 n-propylbenzene
 Concen: 0.398 ug/l
 RT: 13.035 min Scan# 1884
 Delta R.T. 0.000 min
 Lab File: VN080484.D
 Acq: 14 Dec 2023 15:52

Tgt Ion: 91 Resp: 7252
 Ion Ratio Lower Upper
 91 100
 120 18.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.422 ug/l

RT: 13.170 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VN080484.D

Acq: 14 Dec 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :

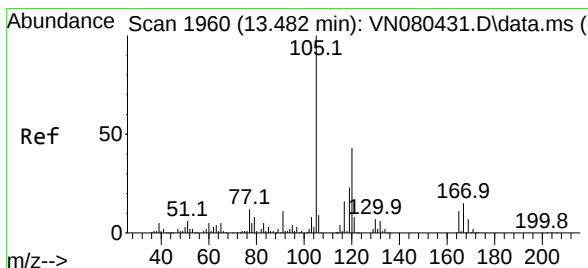
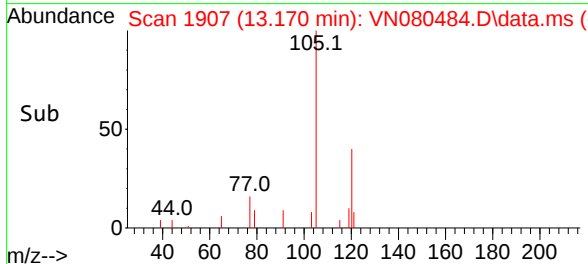
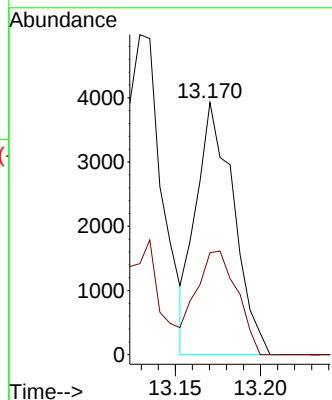
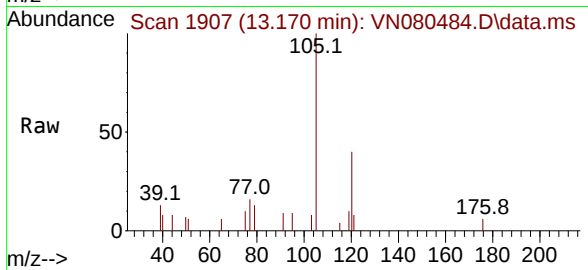
MW-6A

Tgt Ion:105 Resp: 6005

Ion Ratio Lower Upper

105 100

120 44.8 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 2.513 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080484.D

Acq: 14 Dec 2023 15:52

Tgt Ion:105 Resp: 35565

Ion Ratio Lower Upper

105 100

120 46.9 22.0 66.0

