

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085258.D
 Acq On : 18 Dec 2024 18:20
 Operator : JC\MD
 Sample : P5291-07DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213DL

Quant Time: Dec 19 08:30:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

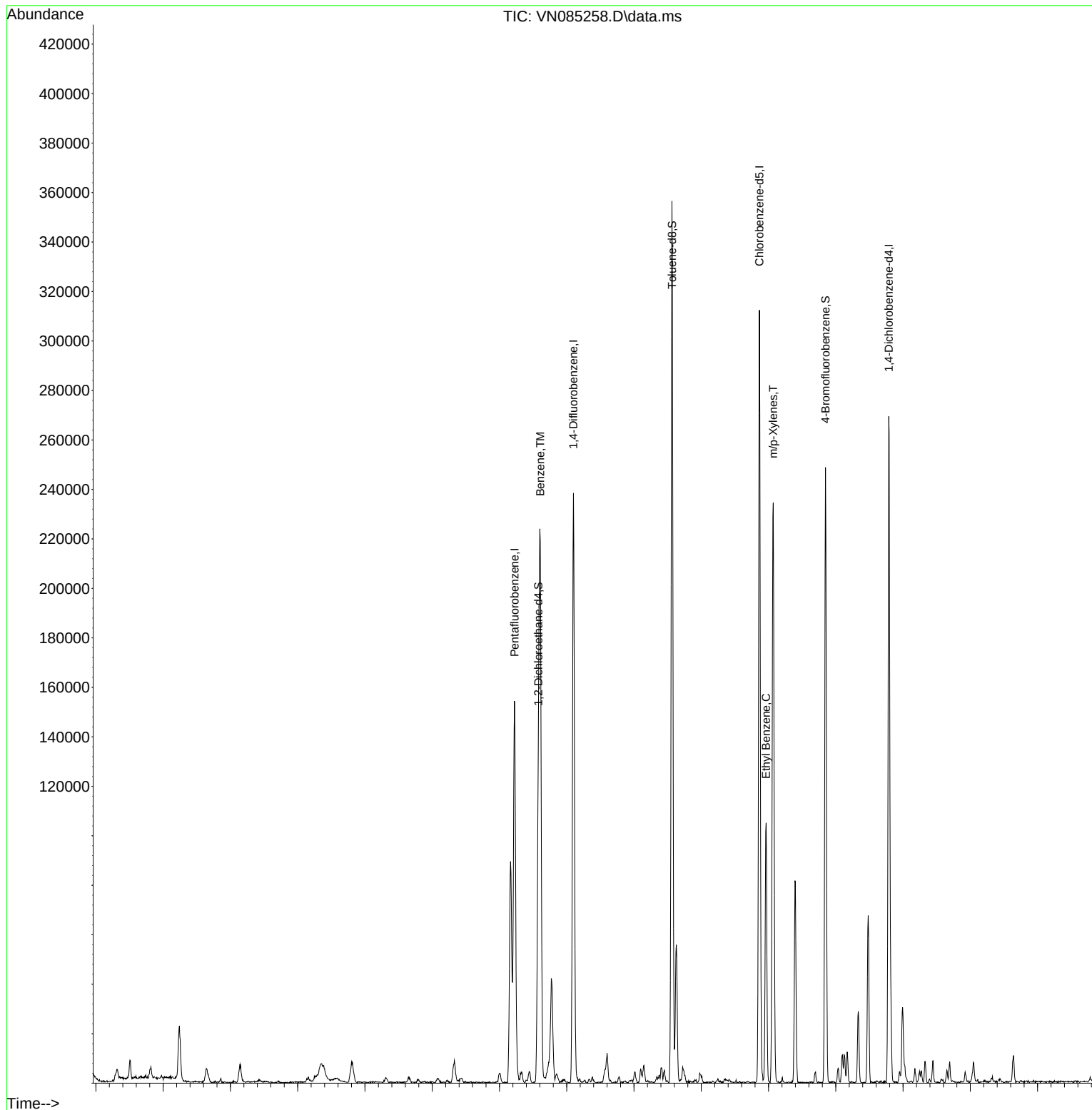
Internal Standards						
1) Pentafluorobenzene	8.224	168	100325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	186563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	158147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	68008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	87643	49.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.960%		
35) Dibromofluoromethane	8.165	113	63700	48.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	10.565	98	228155	47.592	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.180%		
62) 4-Bromofluorobenzene	12.847	95	80665	47.109	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.220%		
Target Compounds						
19) Methyl tert-butyl Ether	5.794	73	3398	0.866	ug/l #	1
39) Methylcyclohexane	9.600	83	4056	2.134	ug/l	87
40) Benzene	8.606	78	195230	34.360	ug/l	99
52) Toluene	10.629	92	24374	7.134	ug/l	98
67) Ethyl Benzene	11.964	91	74099	12.161	ug/l	100
68) m/p-Xylenes	12.070	106	72580	31.849	ug/l	99
69) o-Xylene	12.400	106	21497	10.036	ug/l	98
73) Isopropylbenzene	12.700	105	2785	0.568	ug/l	93
78) n-propylbenzene	13.029	91	5165	0.858	ug/l	93
80) 1,3,5-Trimethylbenzene	13.170	105	5816	1.421	ug/l	86
84) 1,2,4-Trimethylbenzene	13.482	105	36916	8.826	ug/l	100

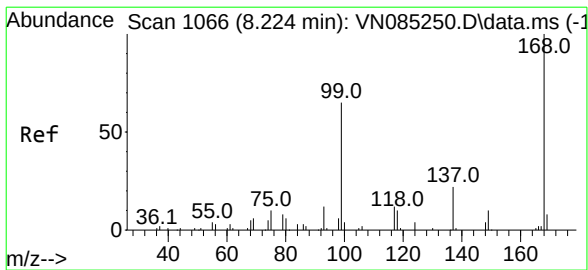
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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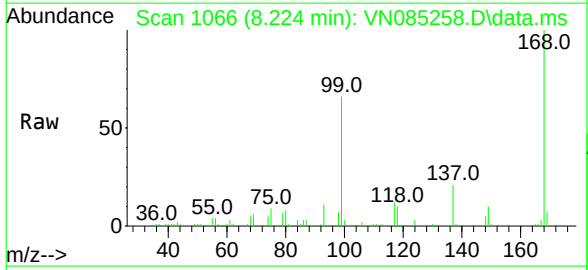
Quant Time: Dec 19 08:30:00 2024
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Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
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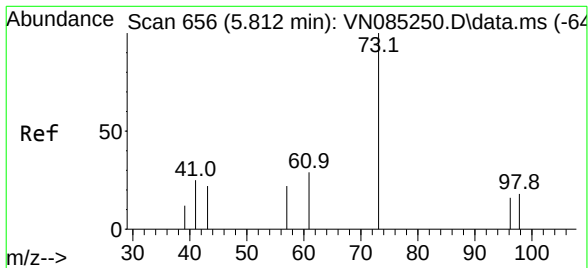
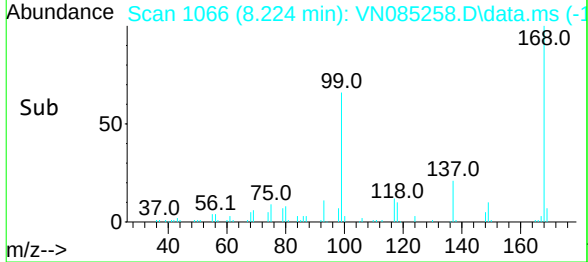
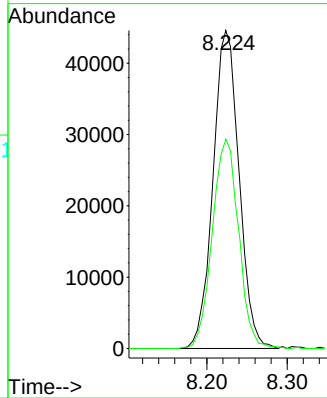


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213DL

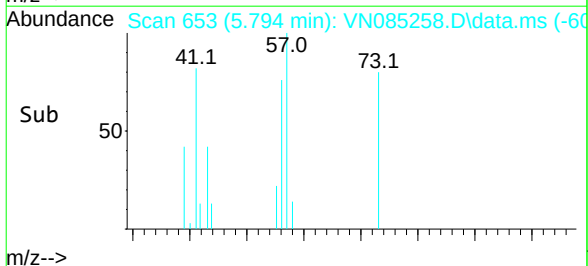
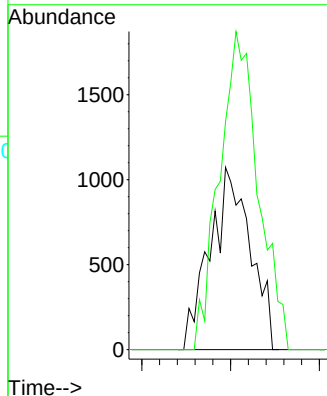
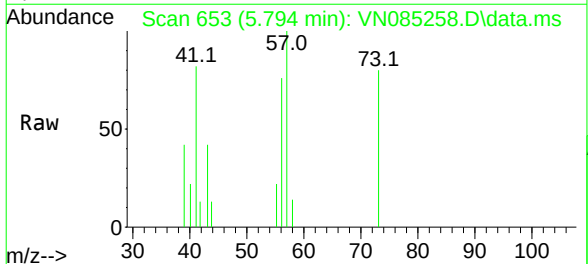


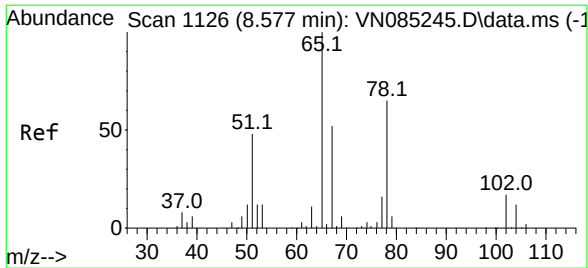
Tgt Ion:168 Resp: 100325
Ion Ratio Lower Upper
168 100
99 65.8 50.7 76.1



#19
Methyl tert-butyl Ether
Concen: 0.866 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

Tgt Ion: 73 Resp: 3398
Ion Ratio Lower Upper
73 100
57 125.0 17.0 25.6#

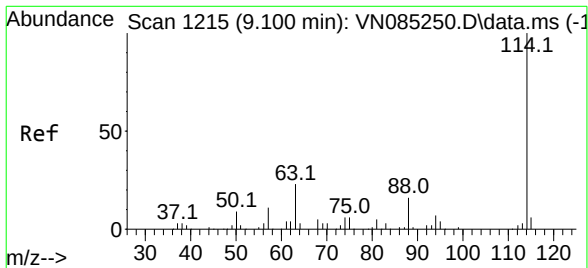
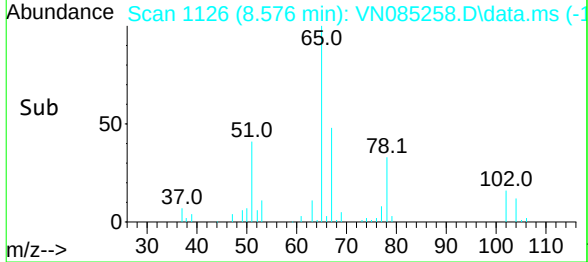
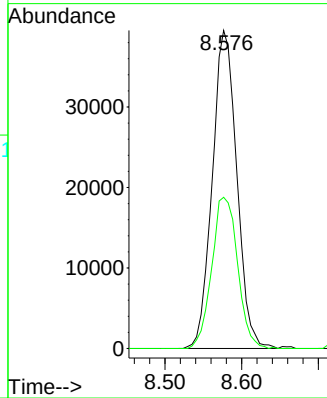
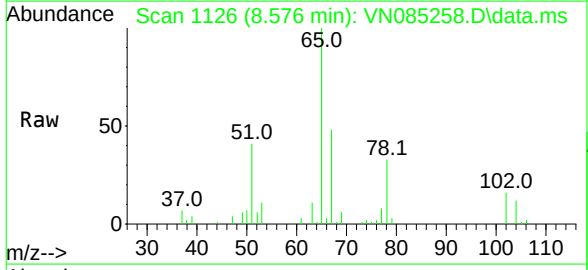




#33
1,2-Dichloroethane-d4
Concen: 49.981 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

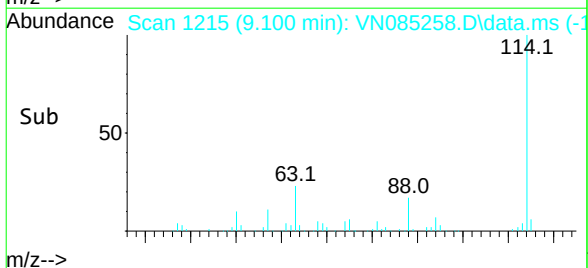
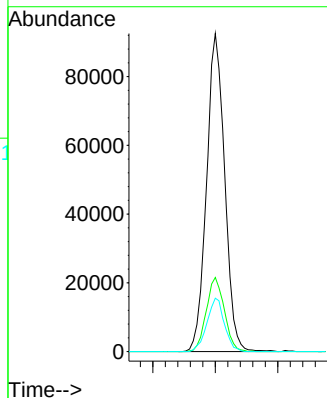
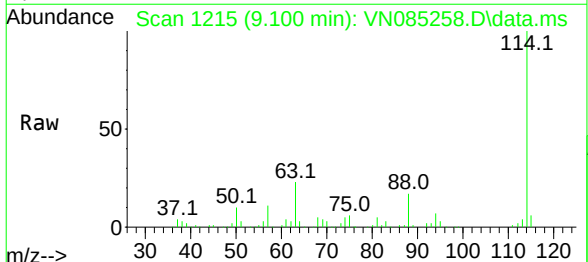
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213DL

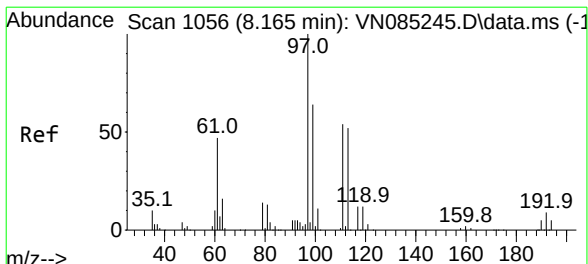
Tgt Ion: 65 Resp: 87643
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

Tgt Ion: 114 Resp: 186563
Ion Ratio Lower Upper
114 100
63 23.3 0.0 46.2
88 16.8 0.0 32.6

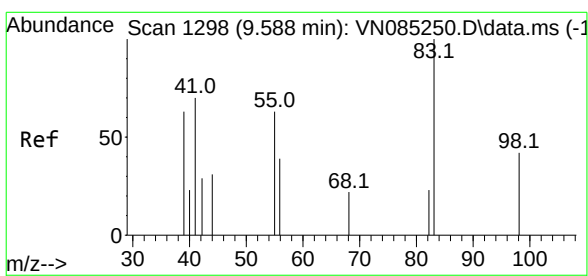
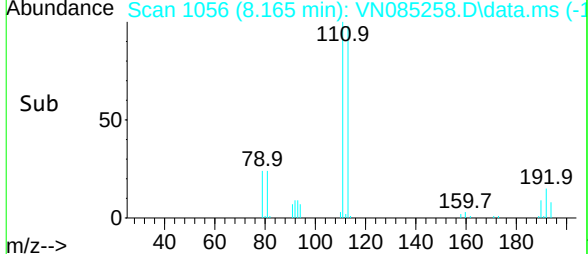
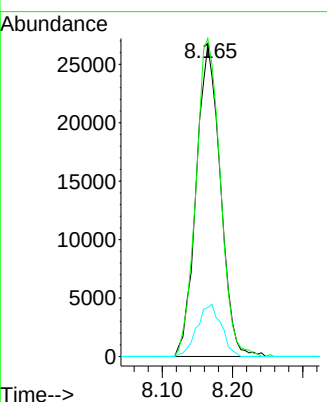
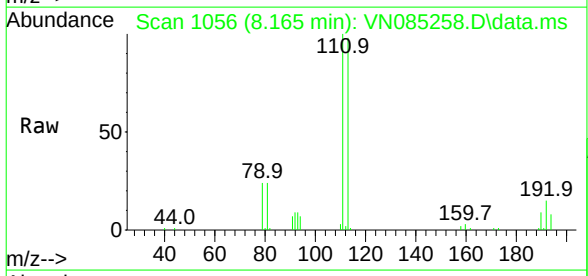




#35
 Dibromofluoromethane
 Concen: 48.565 ug/l
 RT: 8.165 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: VN085258.D
 Acq: 18 Dec 2024 18:20

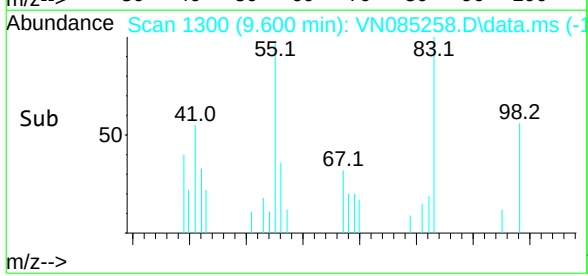
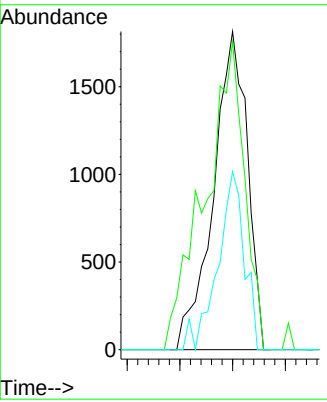
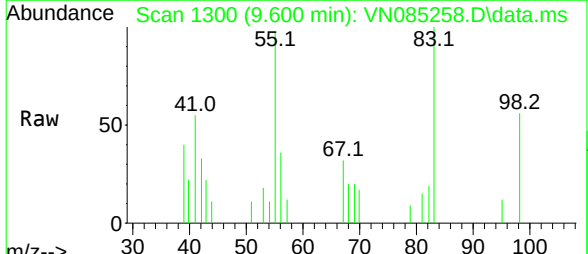
Instrument : MSVOA_N
 ClientSampleId : MW6-20241213DL

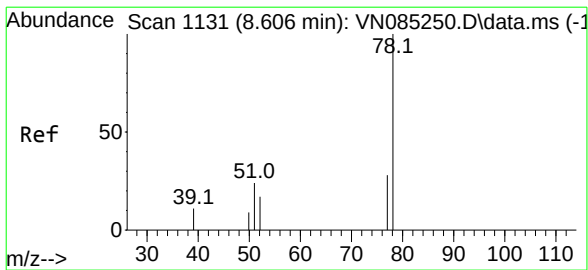
Tgt Ion:	113	Resp:	63700
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	16.8	13.4	20.0



#39
 Methylcyclohexane
 Concen: 2.134 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. -0.000 min
 Lab File: VN085258.D
 Acq: 18 Dec 2024 18:20

Tgt Ion:	83	Resp:	4056
Ion	Ratio	Lower	Upper
83	100		
55	96.8	66.8	100.2
98	55.9	39.4	59.2





#40

Benzene

Concen: 34.360 ug/l

RT: 8.606 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

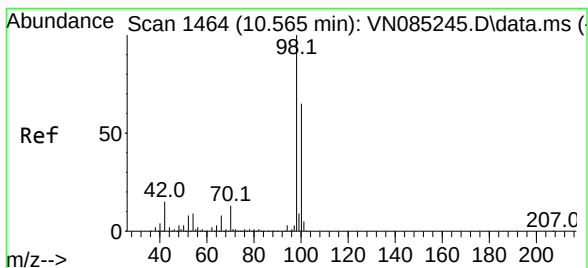
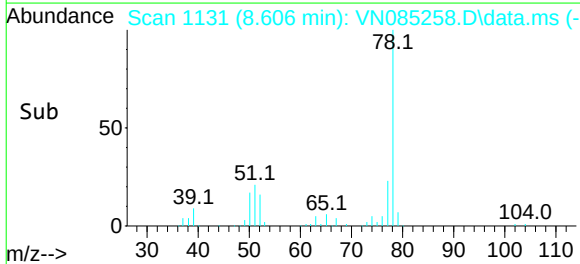
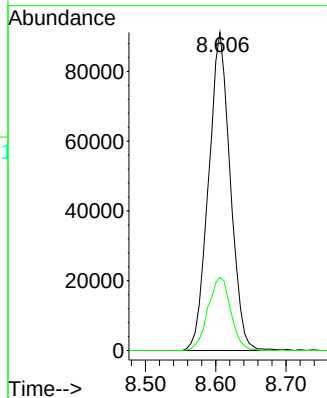
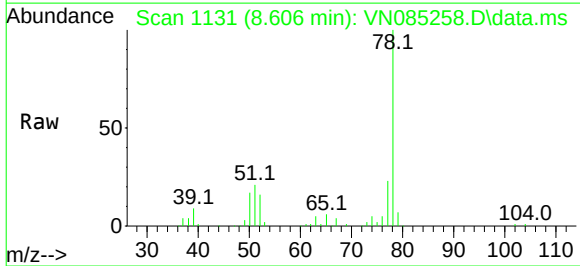
MW6-20241213DL

Tgt Ion: 78 Resp: 195230

Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3



#50

Toluene-d8

Concen: 47.592 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085258.D

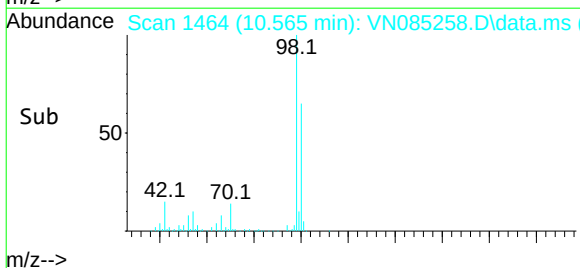
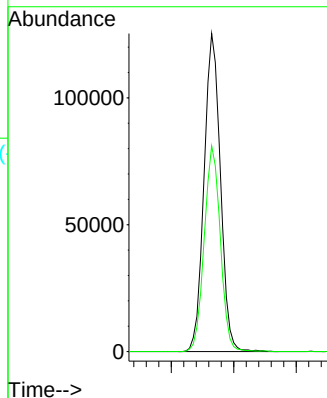
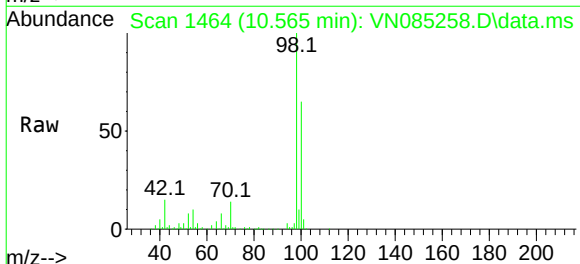
Acq: 18 Dec 2024 18:20

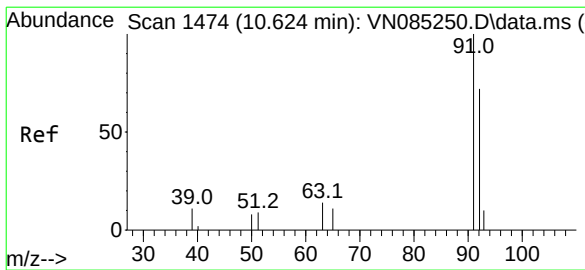
Tgt Ion: 98 Resp: 228155

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4





#52

Toluene

Concen: 7.134 ug/l

RT: 10.629 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

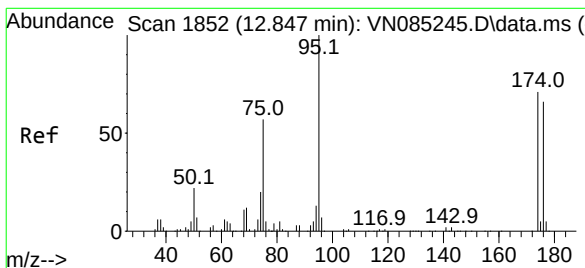
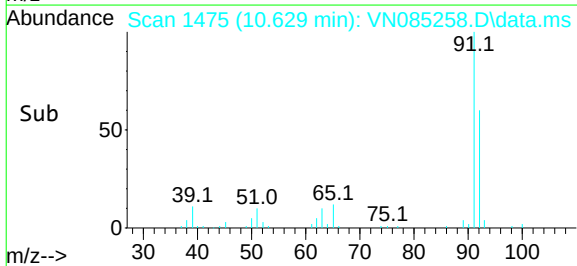
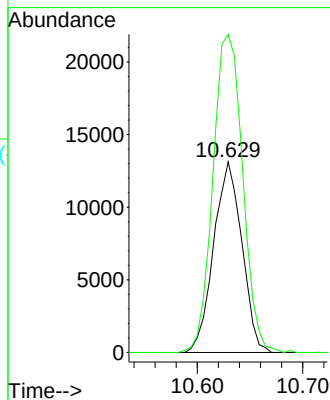
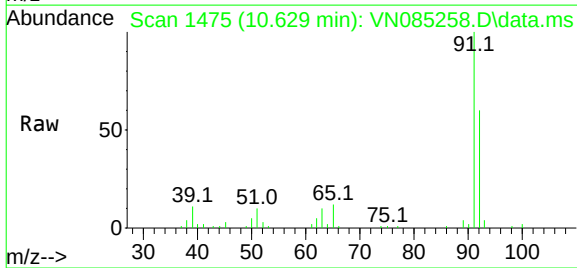
MW6-20241213DL

Tgt Ion: 92 Resp: 24374

Ion Ratio Lower Upper

92 100

91 176.2 138.9 208.3



#62

4-Bromofluorobenzene

Concen: 47.109 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

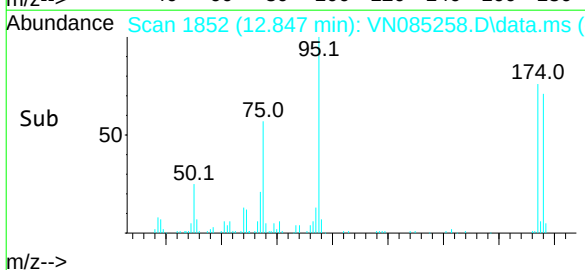
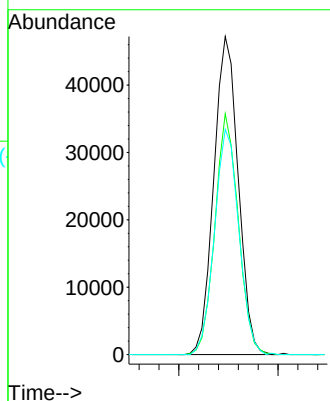
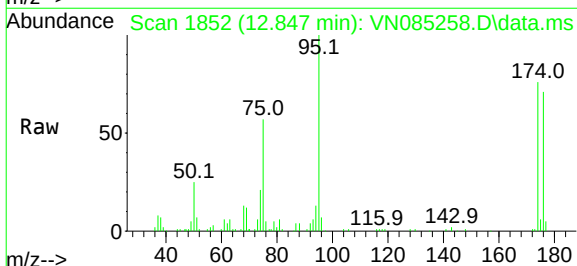
Tgt Ion: 95 Resp: 80665

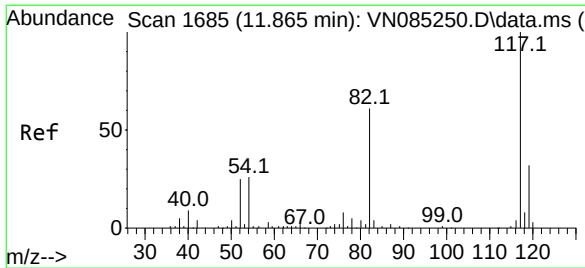
Ion Ratio Lower Upper

95 100

174 72.4 0.0 144.4

176 70.7 0.0 136.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213DL

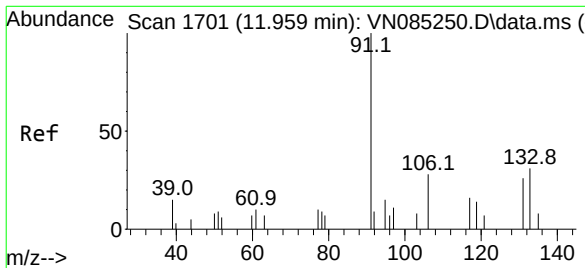
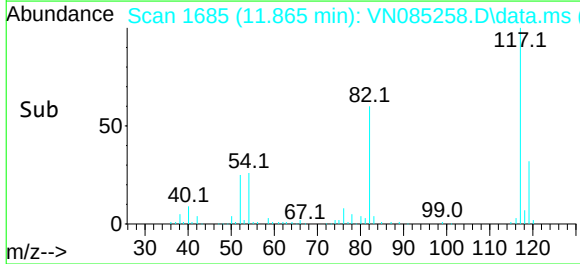
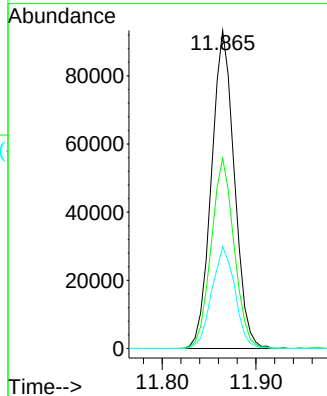
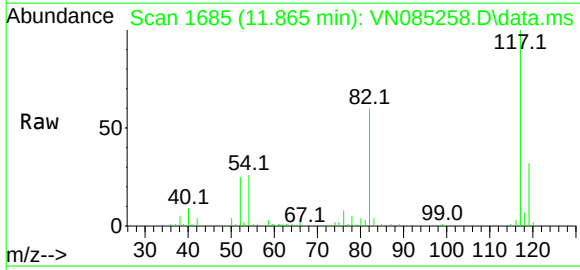
Tgt Ion:117 Resp: 158147

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.2

119 32.1 25.6 38.4



#67

Ethyl Benzene

Concen: 12.161 ug/l

RT: 11.964 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN085258.D

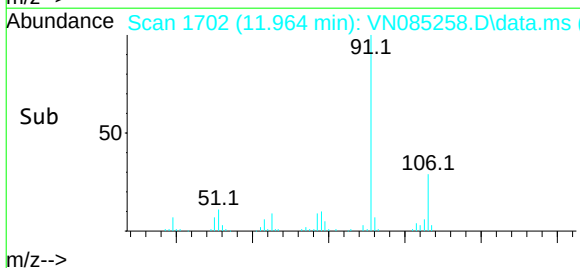
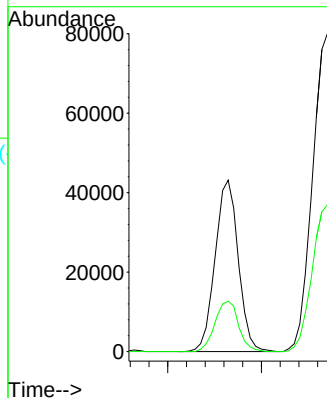
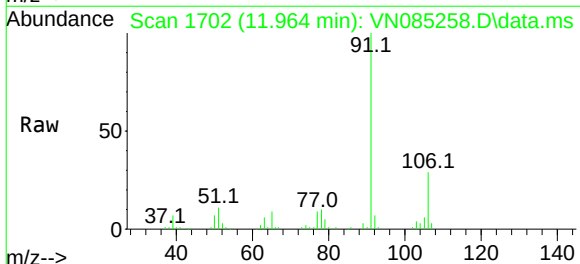
Acq: 18 Dec 2024 18:20

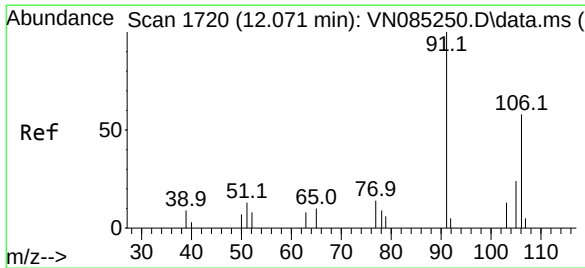
Tgt Ion: 91 Resp: 74099

Ion Ratio Lower Upper

91 100

106 29.4 23.5 35.3





#68

m/p-Xylenes

Concen: 31.849 ug/l

RT: 12.070 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

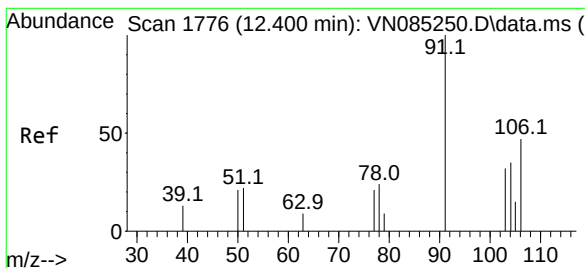
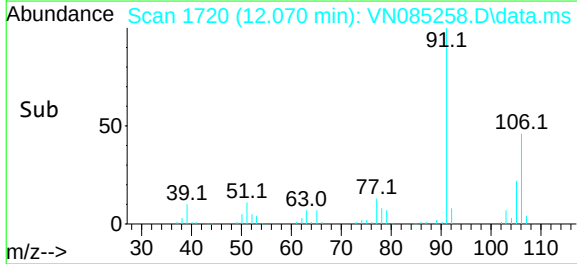
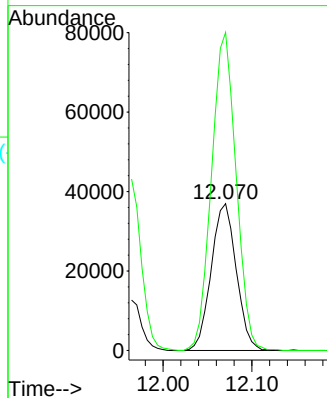
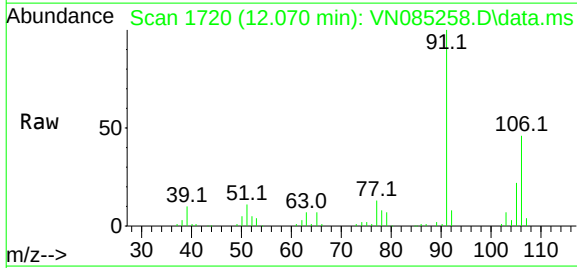
MW6-20241213DL

Tgt Ion:106 Resp: 72580

Ion Ratio Lower Upper

106 100

91 212.0 168.3 252.5



#69

o-Xylene

Concen: 10.036 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN085258.D

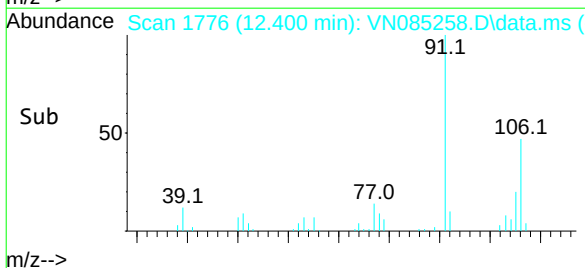
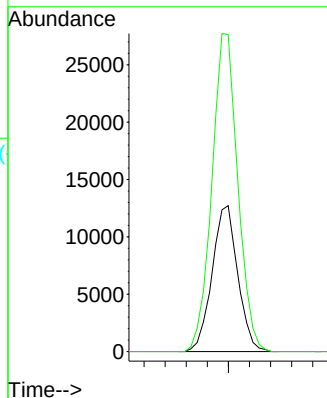
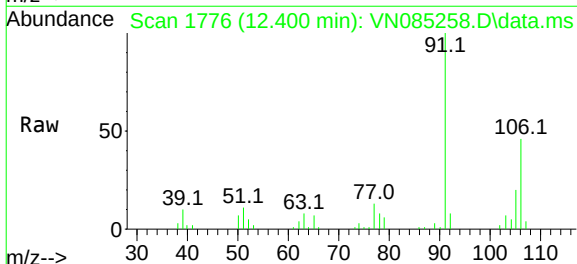
Acq: 18 Dec 2024 18:20

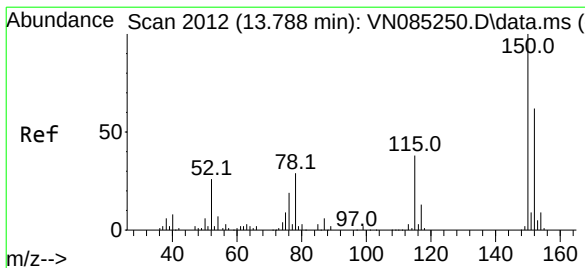
Tgt Ion:106 Resp: 21497

Ion Ratio Lower Upper

106 100

91 220.2 112.1 336.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085258.D

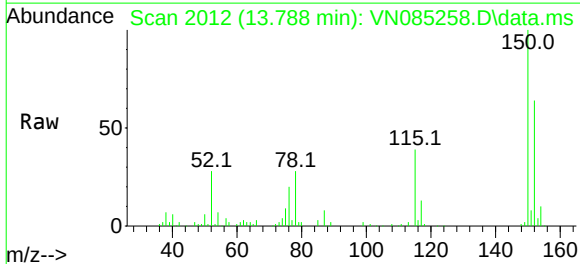
Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213DL



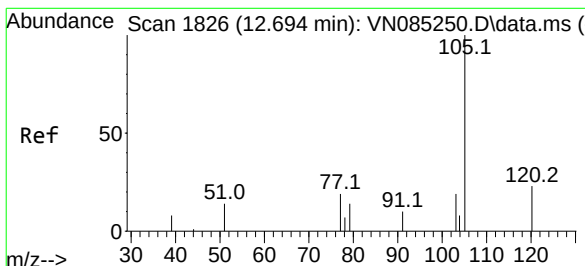
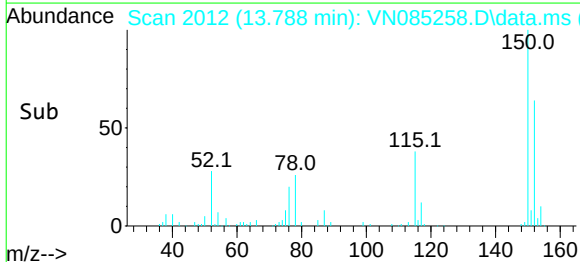
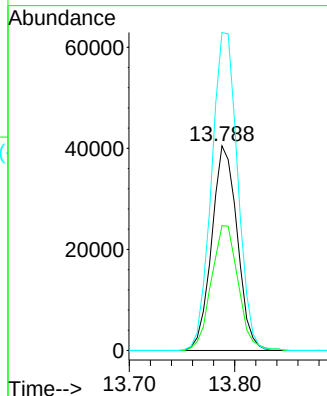
Tgt Ion:152 Resp: 68008

Ion Ratio Lower Upper

152 100

115 64.3 32.1 96.3

150 159.5 0.0 354.6



#73

Isopropylbenzene

Concen: 0.568 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.006 min

Lab File: VN085258.D

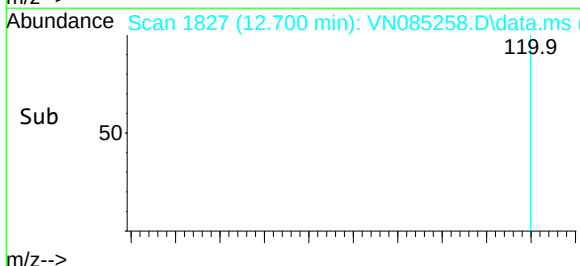
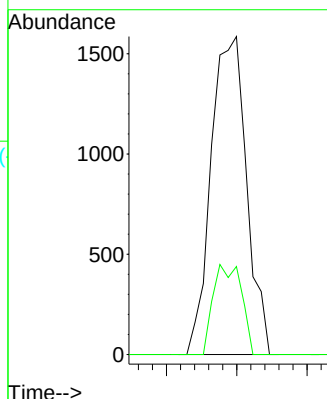
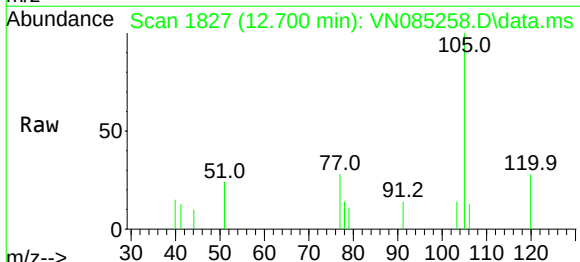
Acq: 18 Dec 2024 18:20

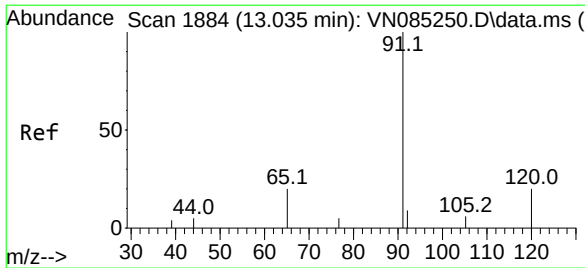
Tgt Ion:105 Resp: 2785

Ion Ratio Lower Upper

105 100

120 22.5 13.0 38.9

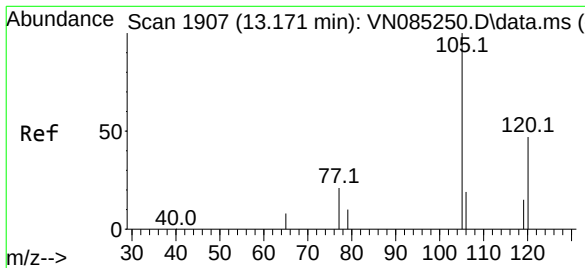
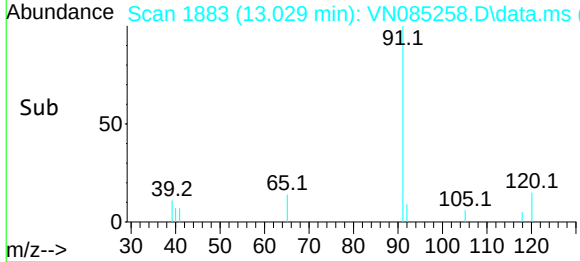
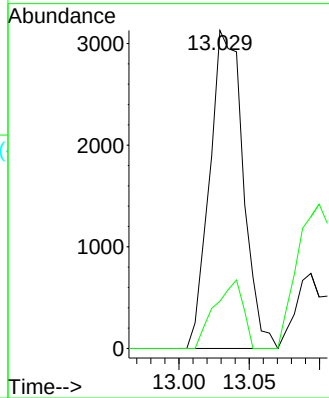
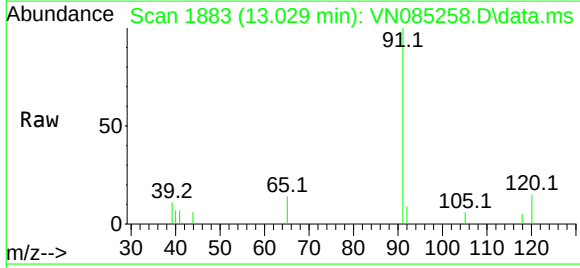




#78
n-propylbenzene
Concen: 0.858 ug/l
RT: 13.029 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

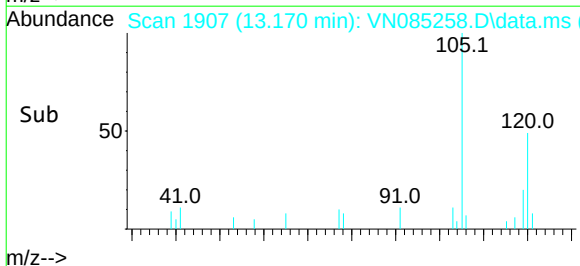
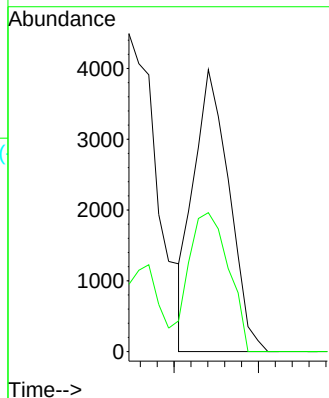
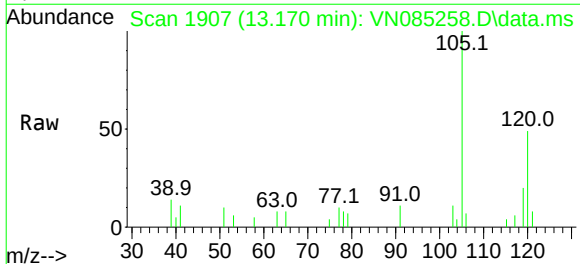
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213DL

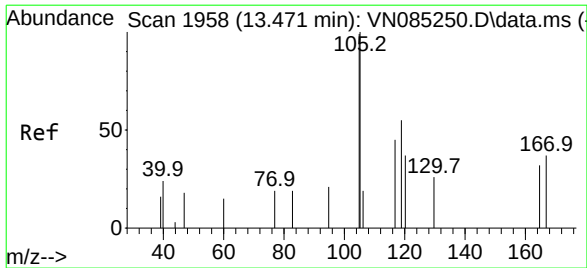
Tgt Ion: 91 Resp: 5165
Ion Ratio Lower Upper
91 100
120 18.3 10.8 32.3



#80
1,3,5-Trimethylbenzene
Concen: 1.421 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

Tgt Ion: 105 Resp: 5816
Ion Ratio Lower Upper
105 100
120 56.3 23.4 70.2





#84

1,2,4-Trimethylbenzene

Concen: 8.826 ug/l

RT: 13.482 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085258.D

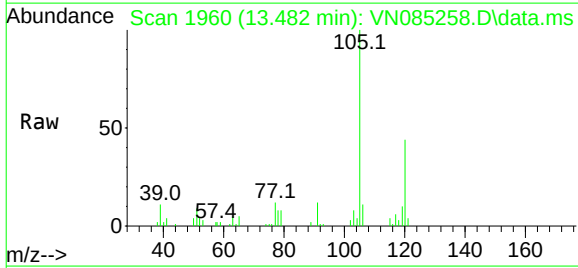
Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213DL



Tgt Ion:105 Resp: 36916

Ion Ratio Lower Upper

105 100

120 43.5 21.8 65.3

