

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080348.D
 Acq On : 04 Dec 2023 19:08
 Operator : JC\MD
 Sample : 05612-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04I

Quant Time: Dec 05 04:21:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

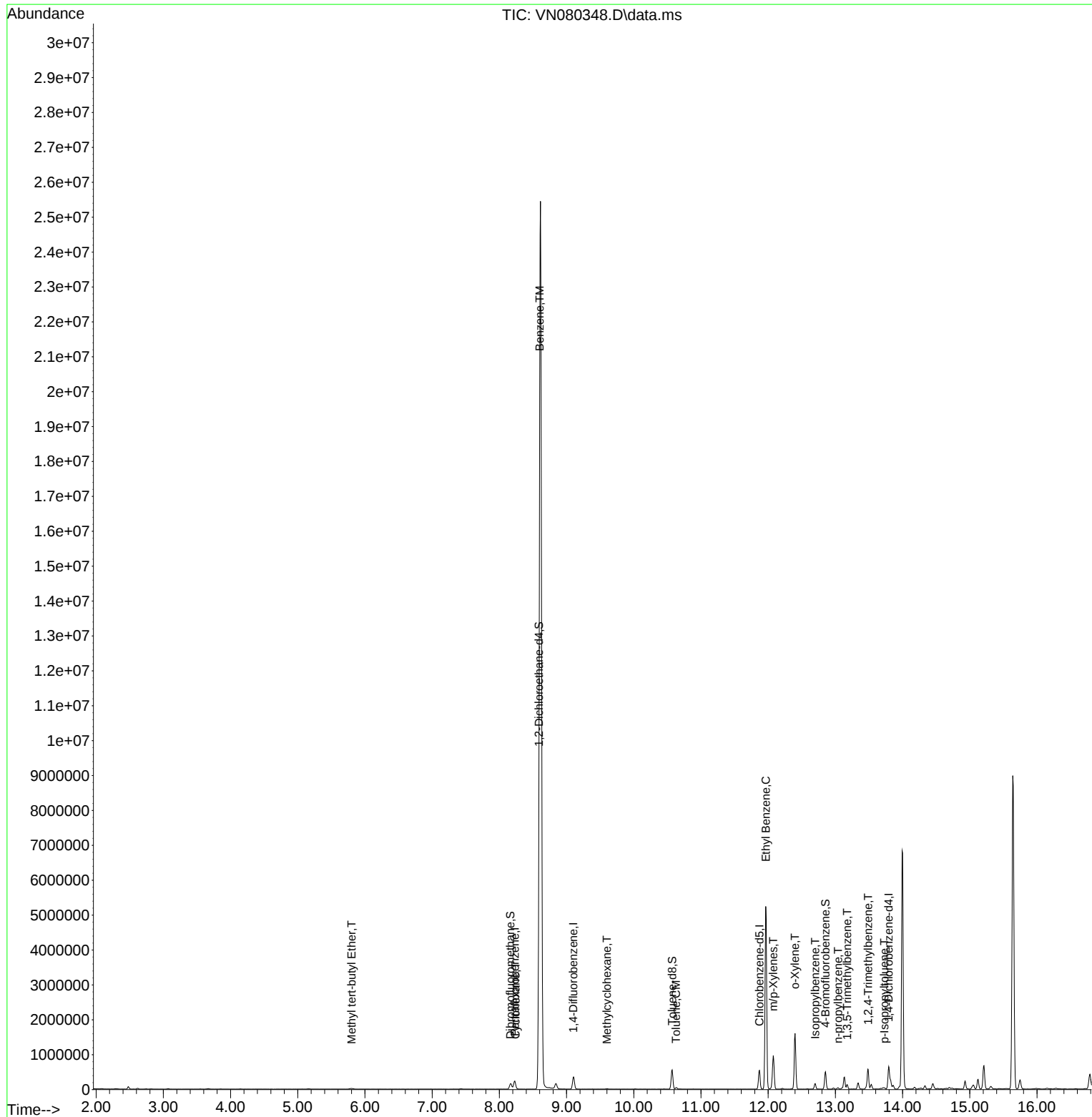
Internal Standards						
1) Pentafluorobenzene	8.230	168	156861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	304764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	163426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	149047	57.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.100%			
35) Dibromofluoromethane	8.165	113	110323	51.420	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	10.571	98	382529	49.459	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.920%			
62) 4-Bromofluorobenzene	12.853	95	170936	58.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.020%			
Target Compounds					Qvalue	
19) Methyl tert-butyl Ether	5.800	73	31871	5.443	ug/l	99
31) Cyclohexane	8.241	56	6203	2.202	ug/l #	44
39) Methylcyclohexane	9.600	83	3941	1.316	ug/l #	90
40) Benzene	8.600	78	23271254	2635.912	ug/l	95
52) Toluene	10.629	92	17616	3.188	ug/l	97
67) Ethyl Benzene	11.965	91	3816177	310.552	ug/l	95
68) m/p-Xylenes	12.076	106	286852	64.023	ug/l	86
69) o-Xylene	12.400	106	422459	100.051	ug/l	87
73) Isopropylbenzene	12.700	105	102584	8.078	ug/l	97
78) n-propylbenzene	13.041	91	31069	2.188	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	65890	5.960	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	333157	30.606	ug/l	98
86) p-Isopropyltoluene	13.729	119	12003	1.198	ug/l #	73

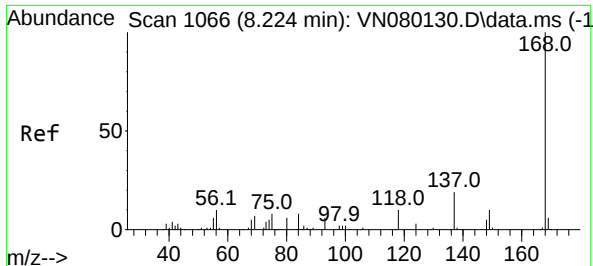
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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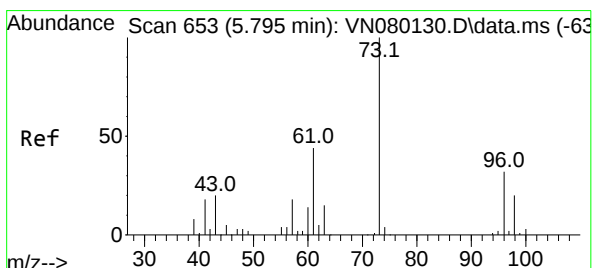
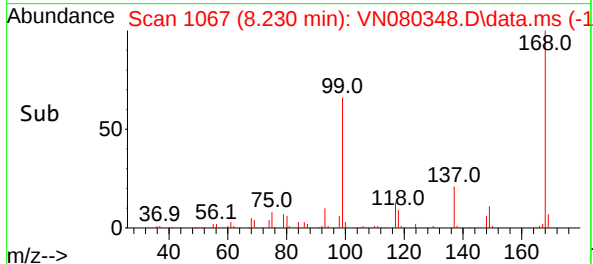
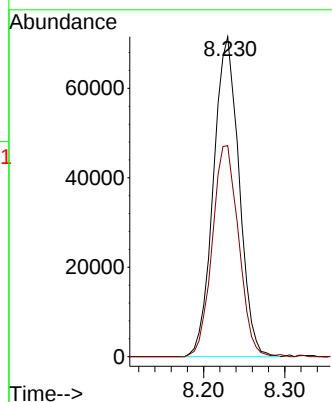
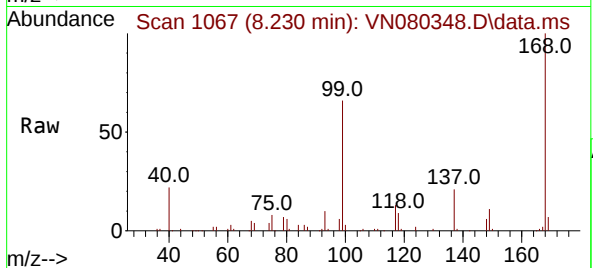




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

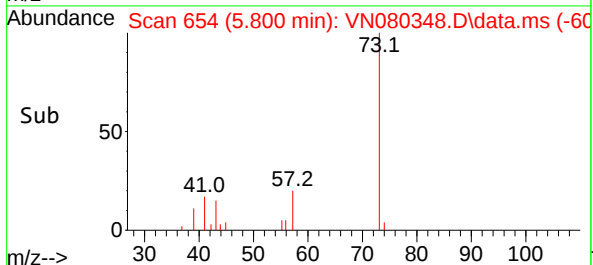
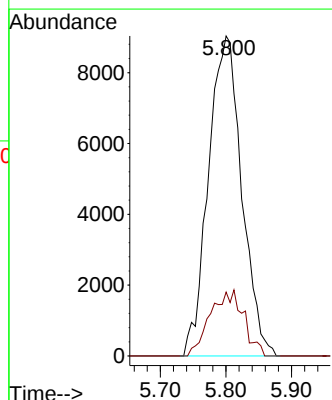
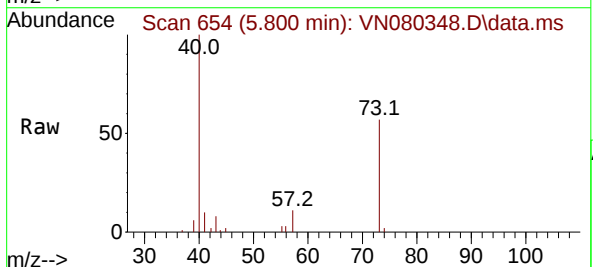
Instrument :
MSVOA_N
ClientSampleId :
MW-04I

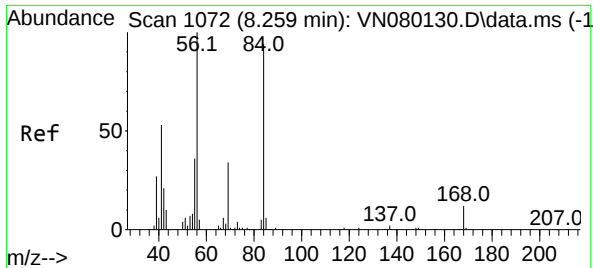
Tgt Ion:168 Resp: 156861
Ion Ratio Lower Upper
168 100
99 66.0 53.0 79.6



#19
Methyl tert-butyl Ether
Concen: 5.443 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

Tgt Ion: 73 Resp: 31871
Ion Ratio Lower Upper
73 100
57 20.0 15.6 23.4

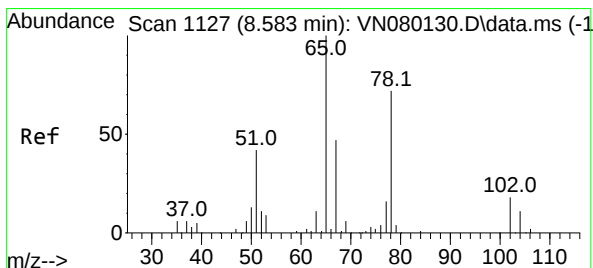
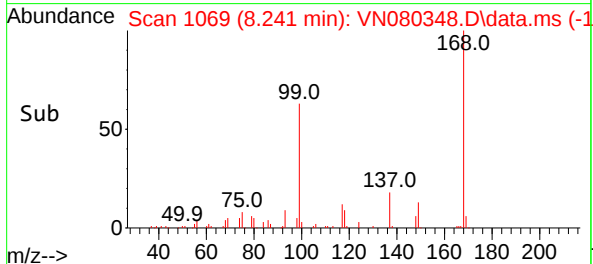
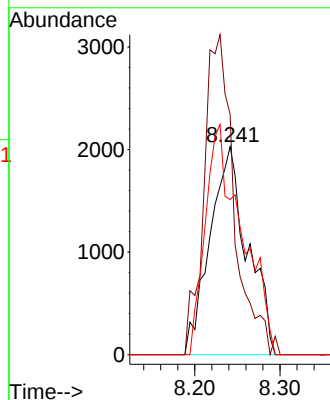
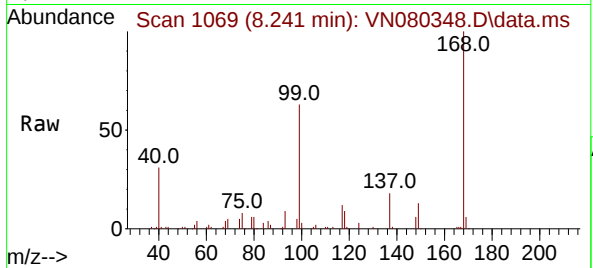




#31
Cyclohexane
Concen: 2.202 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.018 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

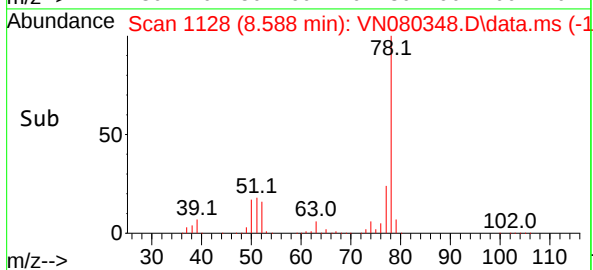
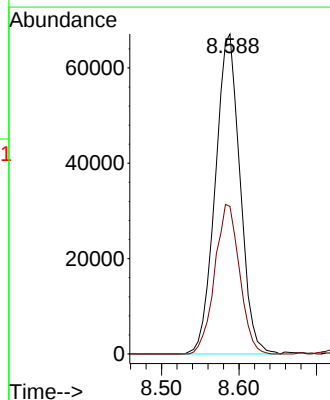
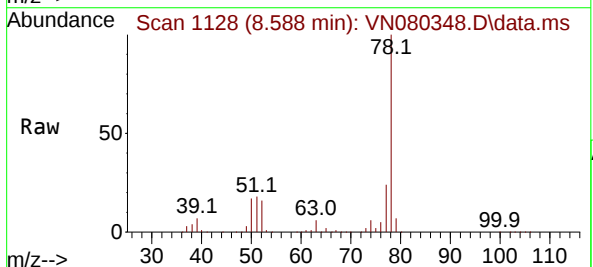
Instrument :
MSVOA_N
ClientSampleId :
MW-04I

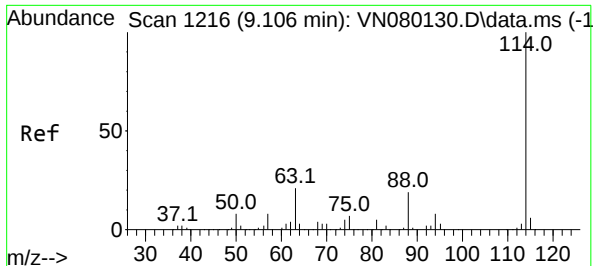
Tgt Ion: 56 Resp: 6203
Ion Ratio Lower Upper
56 100
69 115.5 26.8 40.2#
84 74.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 57.547 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

Tgt Ion: 65 Resp: 149047
Ion Ratio Lower Upper
65 100
67 46.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080348.D

Acq: 04 Dec 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

MW-04I

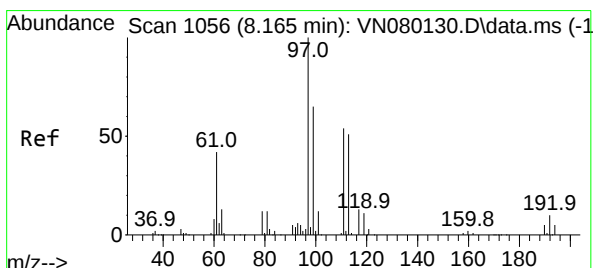
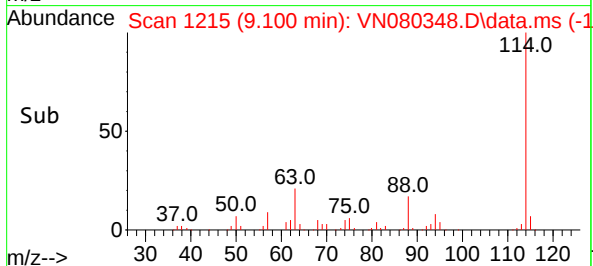
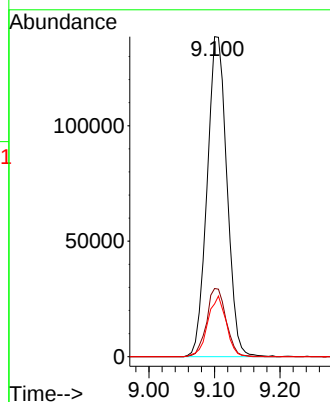
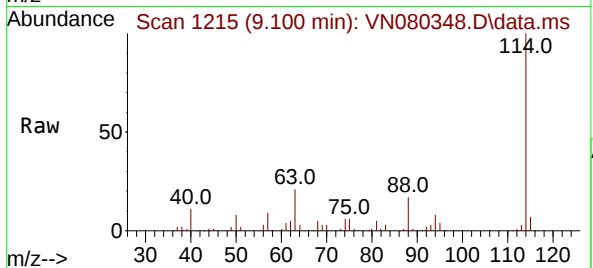
Tgt Ion:114 Resp: 290776

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.420 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080348.D

Acq: 04 Dec 2023 19:08

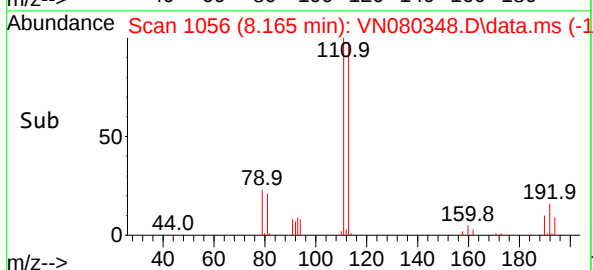
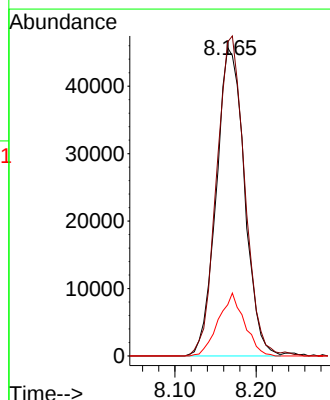
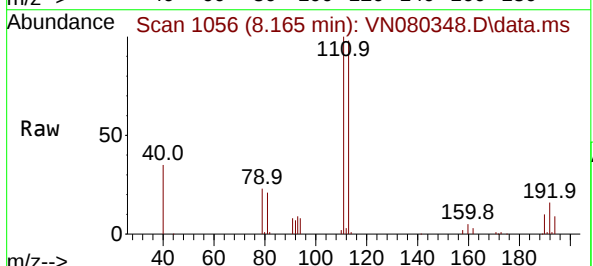
Tgt Ion:113 Resp: 110323

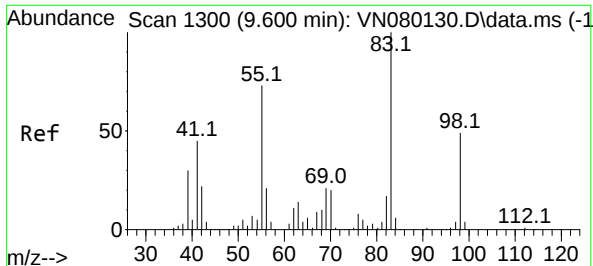
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 18.8 12.7 19.1





#39

Methylcyclohexane

Concen: 1.316 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN080348.D

Acq: 04 Dec 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

MW-04I

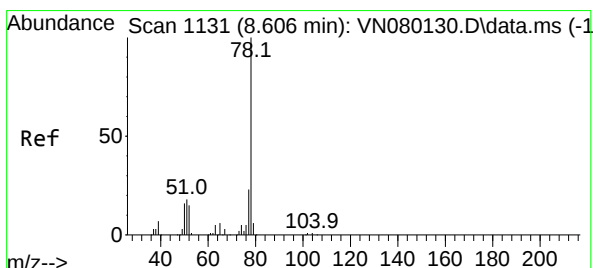
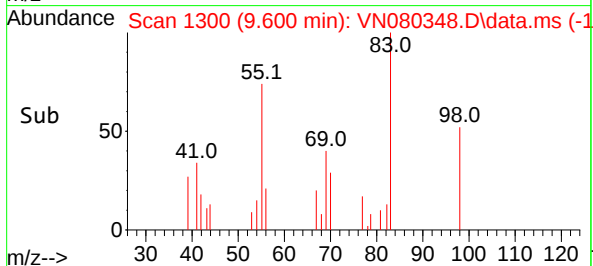
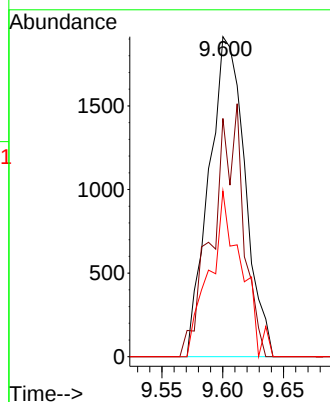
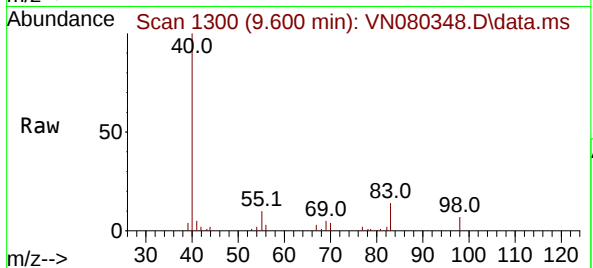
Tgt Ion: 83 Resp: 3941

Ion Ratio Lower Upper

83 100

55 74.5 49.1 73.7#

98 51.8 40.6 61.0



#40

Benzene

Concen: 2635.912 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN080348.D

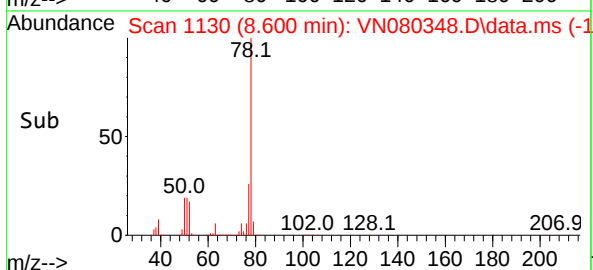
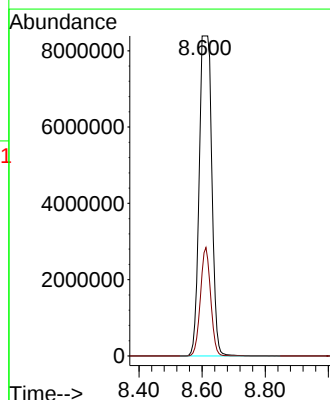
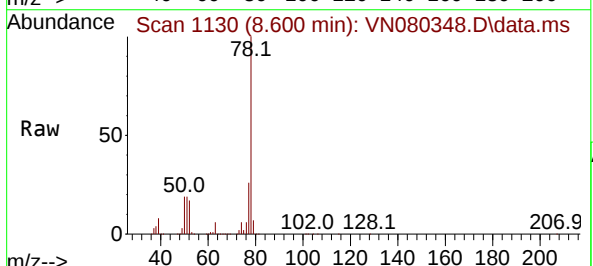
Acq: 04 Dec 2023 19:08

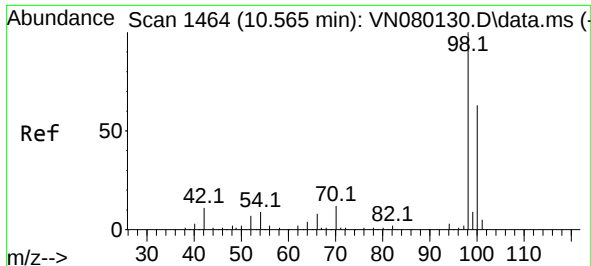
Tgt Ion: 78 Resp: 23271254

Ion Ratio Lower Upper

78 100

77 26.1 19.0 28.6

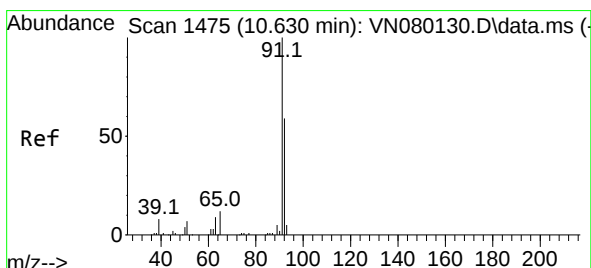
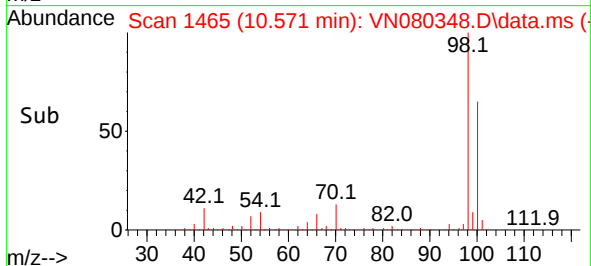
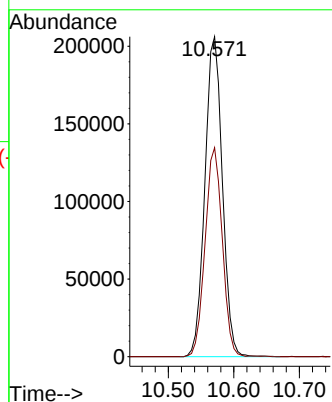
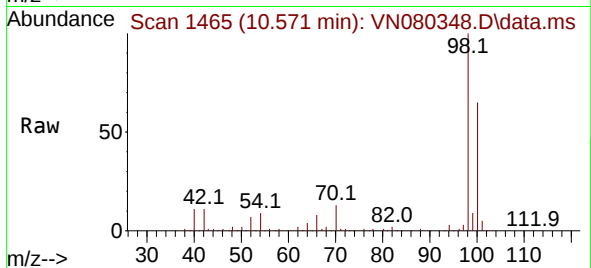




#50
Toluene-d8
Concen: 49.459 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

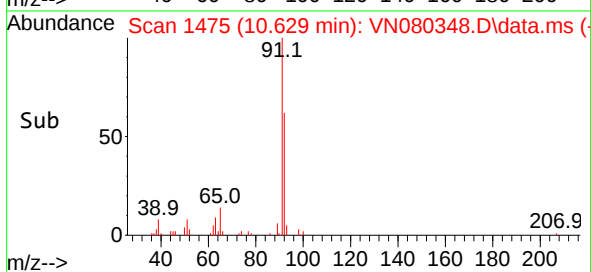
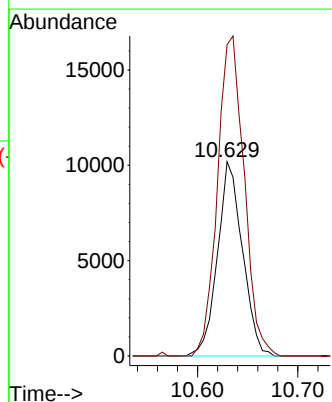
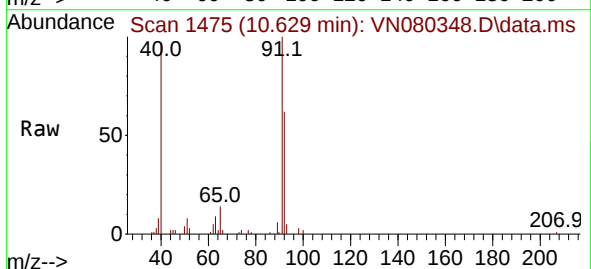
Instrument :
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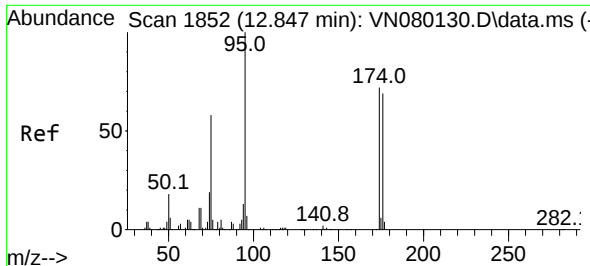
Tgt Ion: 98 Resp: 382529
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#52
Toluene
Concen: 3.188 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

Tgt Ion: 92 Resp: 17616
Ion Ratio Lower Upper
92 100
91 175.6 137.4 206.0

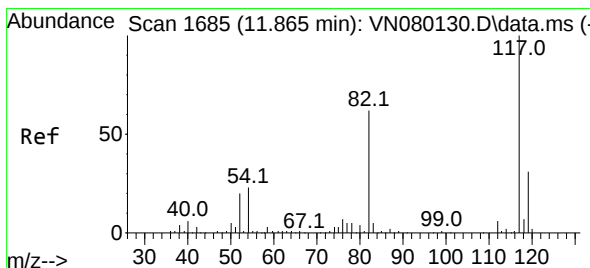
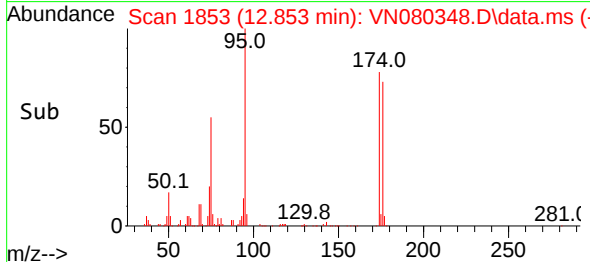
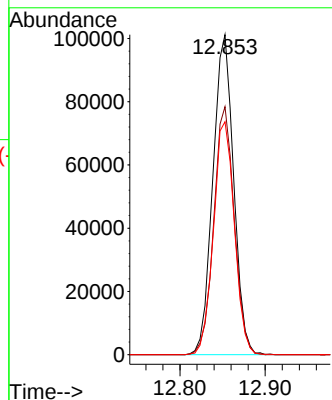
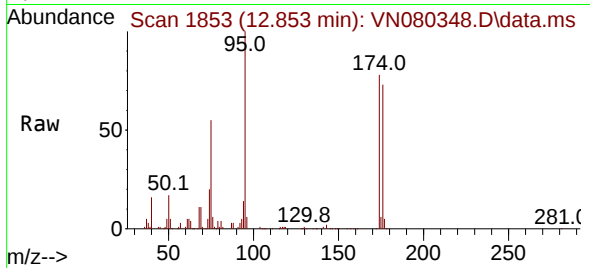




#62
4-Bromofluorobenzene
Concen: 58.513 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

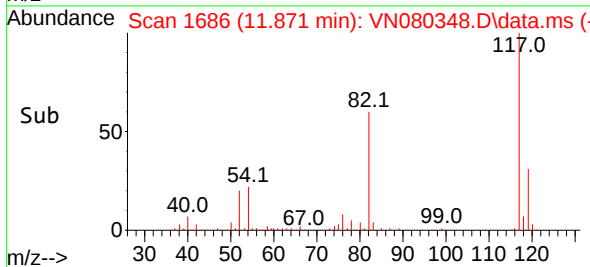
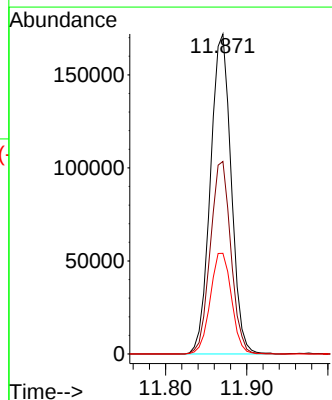
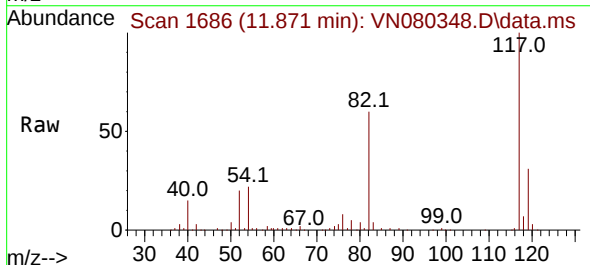
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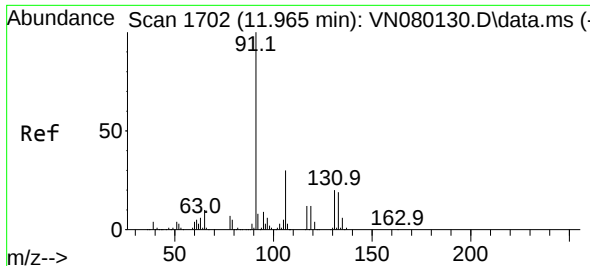
Tgt Ion: 95 Resp: 170936
Ion Ratio Lower Upper
95 100
174 76.6 0.0 143.8
176 73.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

Tgt Ion: 117 Resp: 304764
Ion Ratio Lower Upper
117 100
82 60.2 44.0 66.0
119 31.5 25.6 38.4

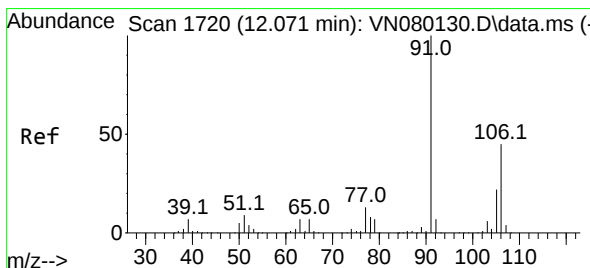
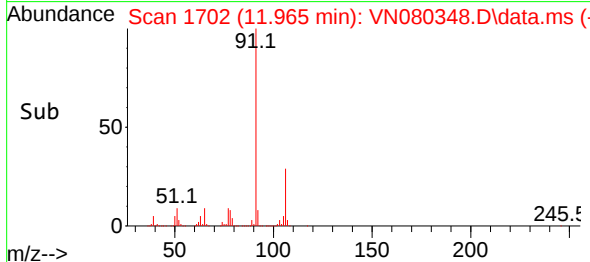
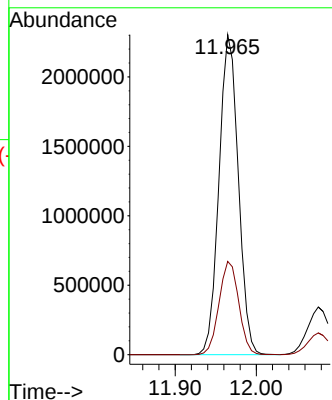
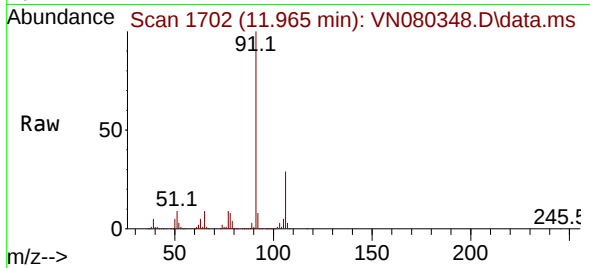




#67
Ethyl Benzene
Concen: 310.552 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

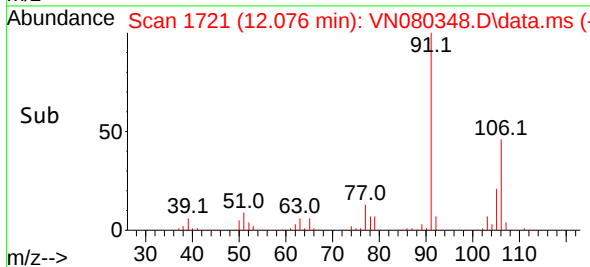
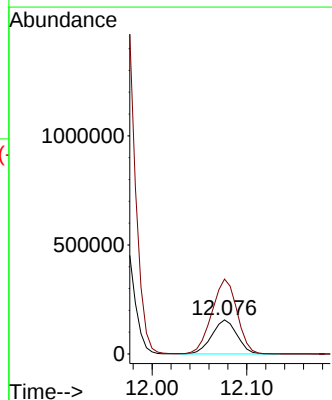
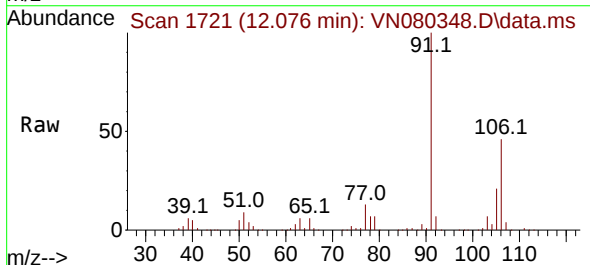
Instrument :
MSVOA_N
ClientSampleId :
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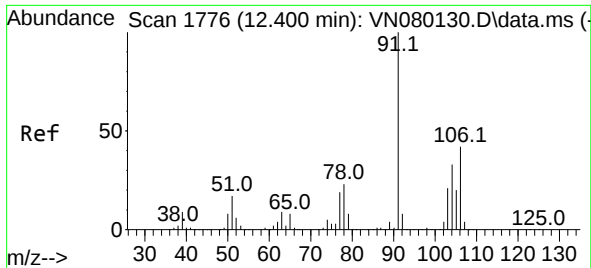
Tgt Ion: 91 Resp: 3816177
Ion Ratio Lower Upper
91 100
106 29.2 25.6 38.4



#68
m/p-Xylenes
Concen: 64.023 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

Tgt Ion:106 Resp: 286852
Ion Ratio Lower Upper
106 100
91 221.3 159.6 239.4

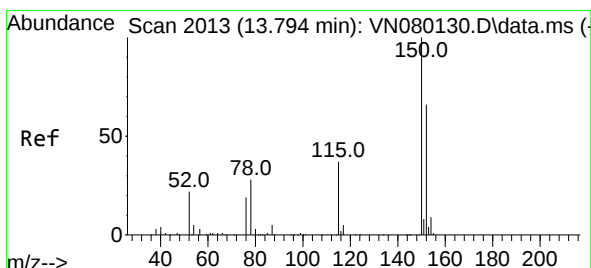
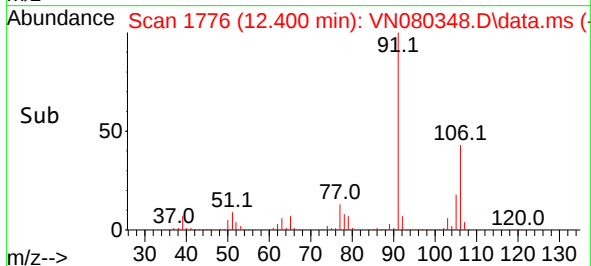
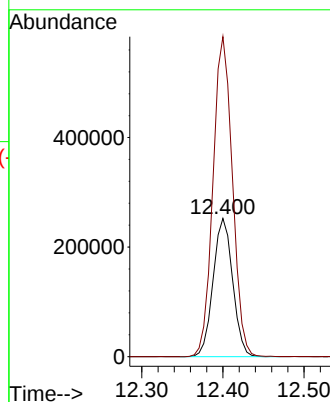
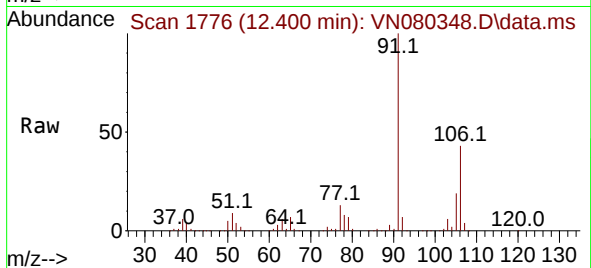




#69
o-Xylene
Concen: 100.051 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

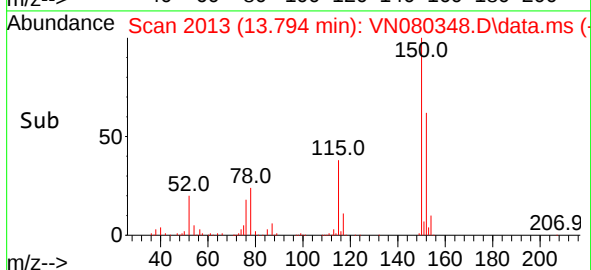
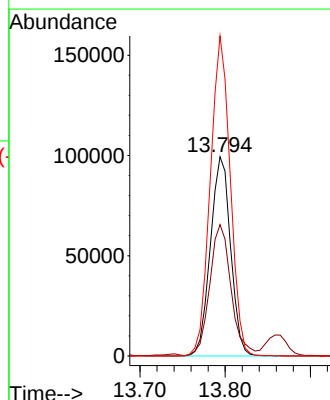
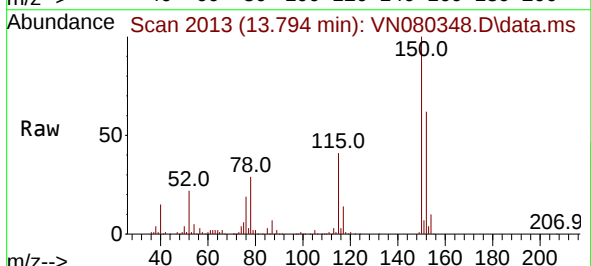
Instrument :
MSVOA_N
ClientSampleId :
MW-04I

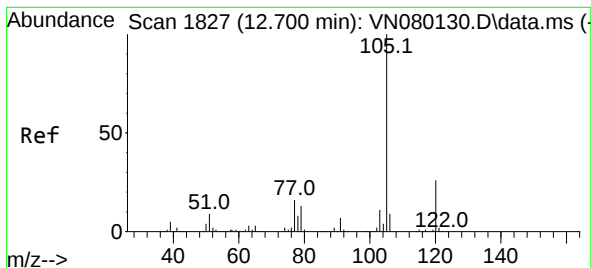
Tgt Ion:106 Resp: 422459
Ion Ratio Lower Upper
106 100
91 230.2 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080348.D
Acq: 04 Dec 2023 19:08

Tgt Ion:152 Resp: 163426
Ion Ratio Lower Upper
152 100
115 69.3 32.3 96.8
150 158.6 0.0 355.8





#73

Isopropylbenzene

Concen: 8.078 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080348.D

Acq: 04 Dec 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

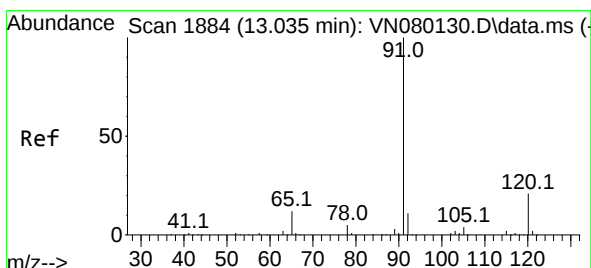
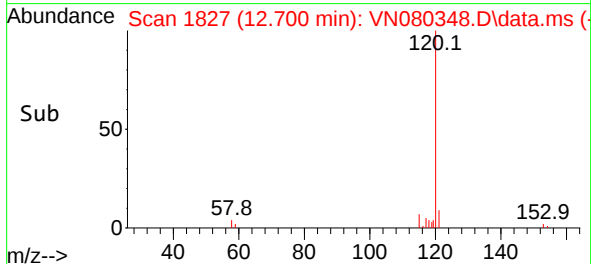
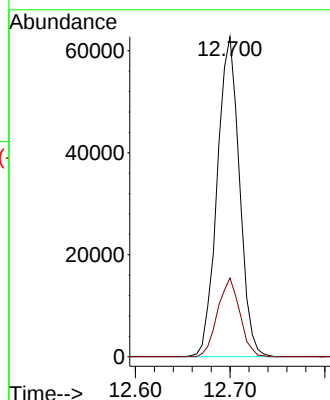
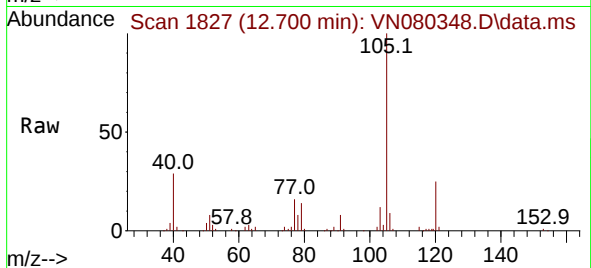
MW-04I

Tgt Ion:105 Resp: 102584

Ion Ratio Lower Upper

105 100

120 24.5 13.1 39.1



#78

n-propylbenzene

Concen: 2.188 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN080348.D

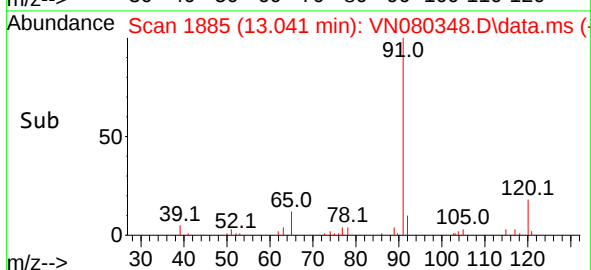
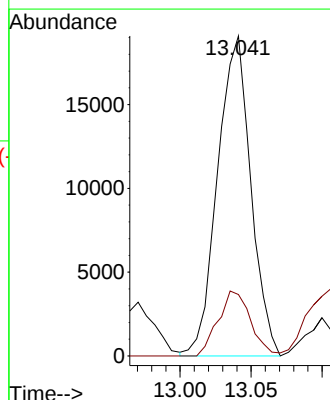
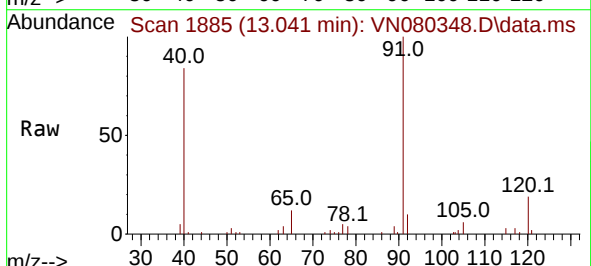
Acq: 04 Dec 2023 19:08

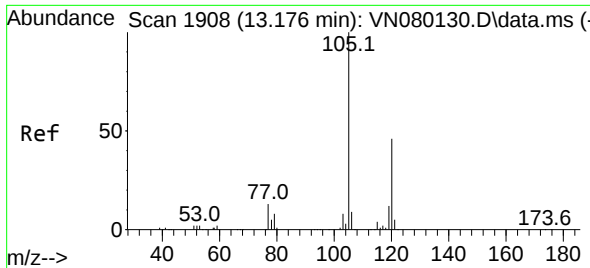
Tgt Ion: 91 Resp: 31069

Ion Ratio Lower Upper

91 100

120 19.9 11.5 34.4

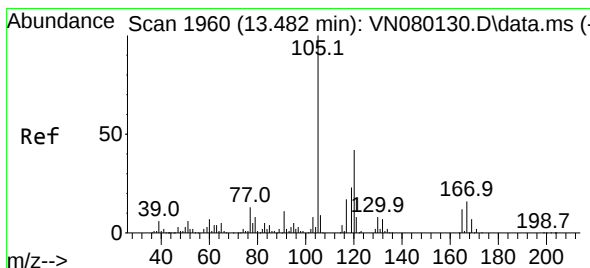
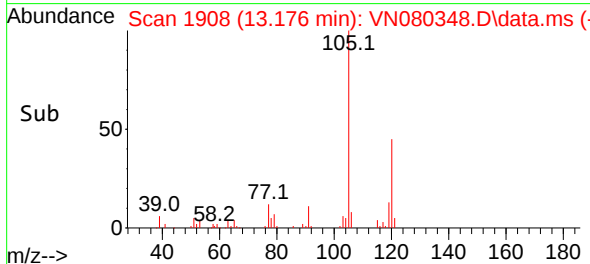
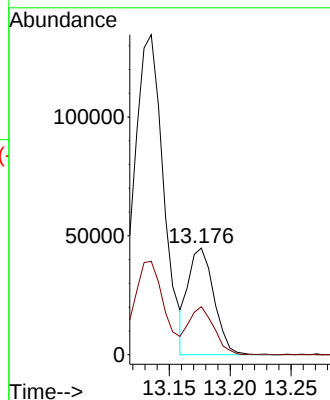
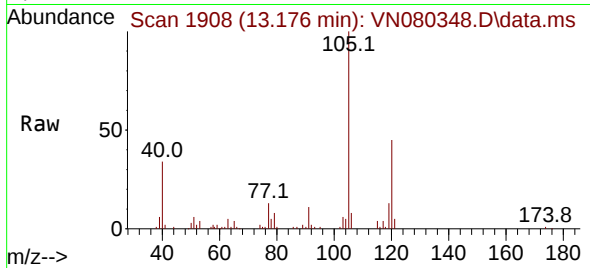




#80
 1,3,5-Trimethylbenzene
 Concen: 5.960 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VN080348.D
 Acq: 04 Dec 2023 19:08

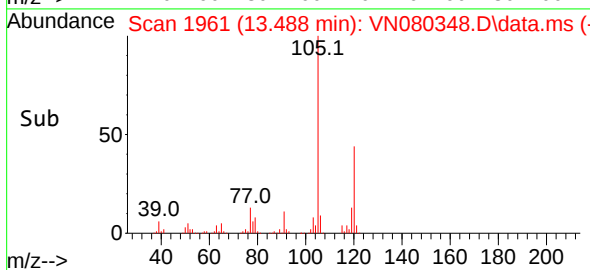
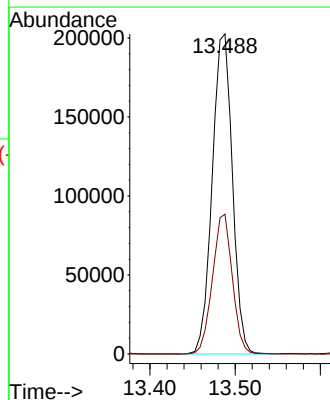
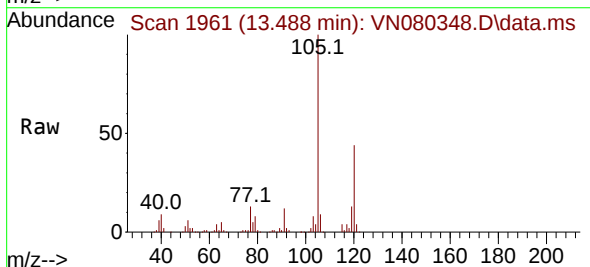
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04I

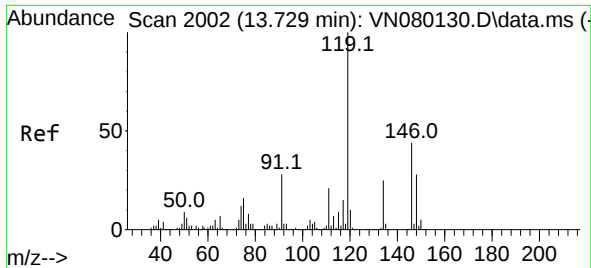
Tgt Ion:105 Resp: 65890
 Ion Ratio Lower Upper
 105 100
 120 44.1 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 30.606 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.006 min
 Lab File: VN080348.D
 Acq: 04 Dec 2023 19:08

Tgt Ion:105 Resp: 333157
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.0 66.0





#86
 p-Isopropyltoluene
 Concen: 1.198 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080348.D
 Acq: 04 Dec 2023 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04I

Tgt Ion:119 Resp: 12003
 Ion Ratio Lower Upper
 119 100
 134 22.6 12.6 37.8
 91 0.0 12.4 37.2#

