

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080971.D
 Acq On : 08 Feb 2024 18:10
 Operator : JC\MD
 Sample : P1372-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CG-MW-17-ch4

Quant Time: Feb 09 01:25:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

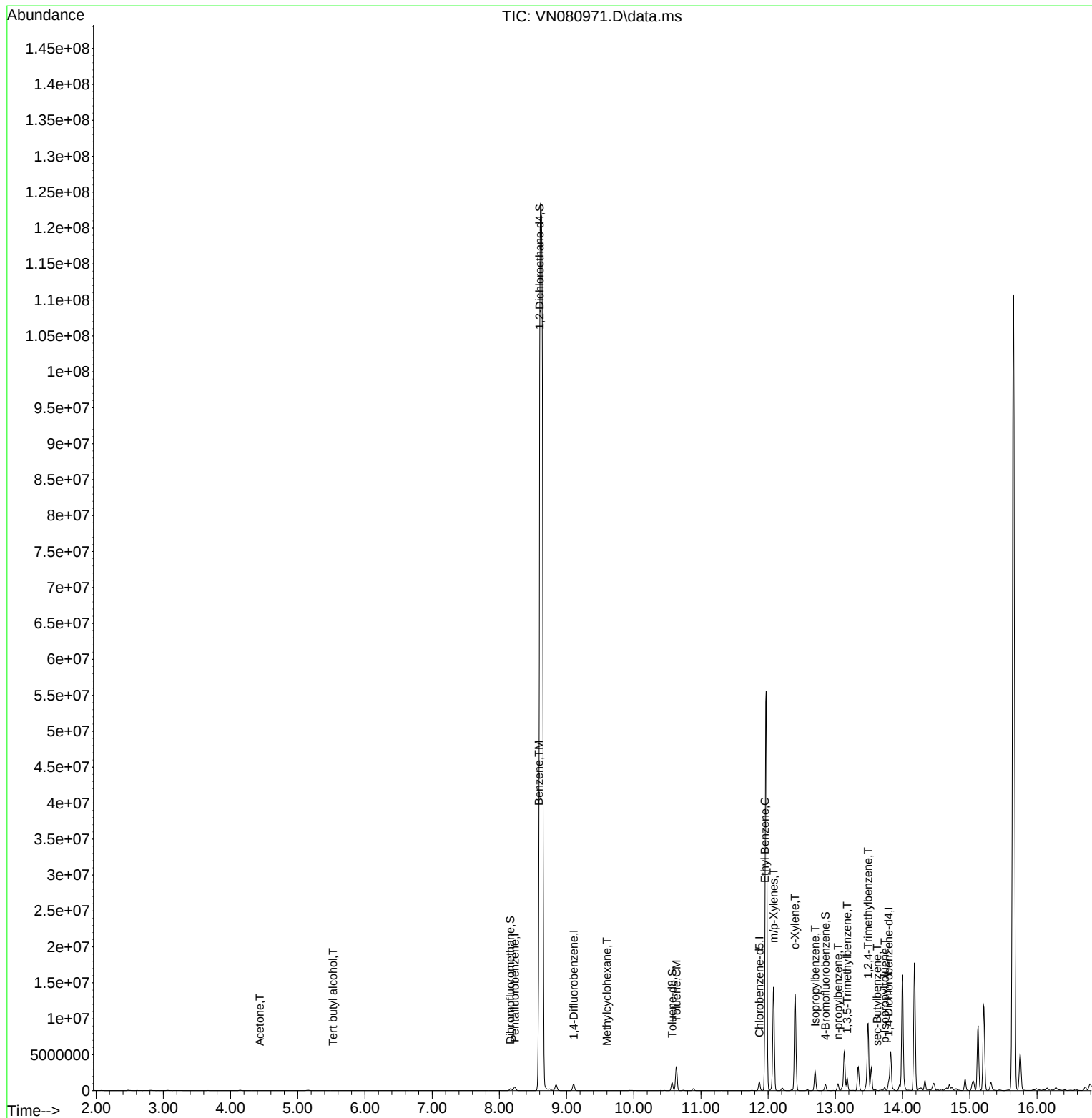
Internal Standards						
1) Pentafluorobenzene	8.230	168	368846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	806917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	718742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	343189	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.600	65	368768	79.254	ug/l	0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	158.500%#
35) Dibromofluoromethane	8.165	113	201718	46.587	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.180%
50) Toluene-d8	10.571	98	771621	49.268	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.540%
62) 4-Bromofluorobenzene	12.853	95	297817	52.345	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.680%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.524	59	6581	10.265	ug/l	# 93
16) Acetone	4.436	43	7046	4.603	ug/l	93
39) Methylcyclohexane	9.600	83	3674	0.512	ug/l	# 87
40) Benzene	8.588	78	43671708m	2227.318	ug/l	
52) Toluene	10.635	92	1512497	115.164	ug/l	98
67) Ethyl Benzene	11.953	91	22783307m	878.039	ug/l	
68) m/p-Xylenes	12.082	106	4346487	440.903	ug/l	91
69) o-Xylene	12.400	106	3760694	393.142	ug/l	91
73) Isopropylbenzene	12.700	105	1872928	70.172	ug/l	97
78) n-propylbenzene	13.041	91	774268	25.694	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	944110	43.519	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	5618962	260.050	ug/l	93
85) sec-Butylbenzene	13.623	105	13126m	0.528	ug/l	
86) p-Isopropyltoluene	13.735	119	165522	7.882	ug/l	93

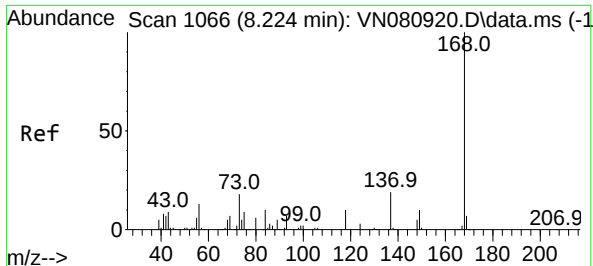
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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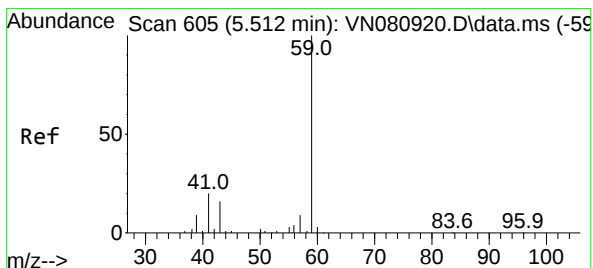
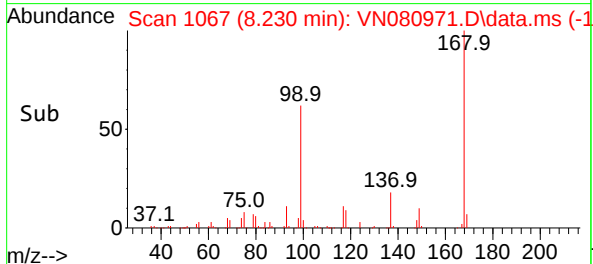
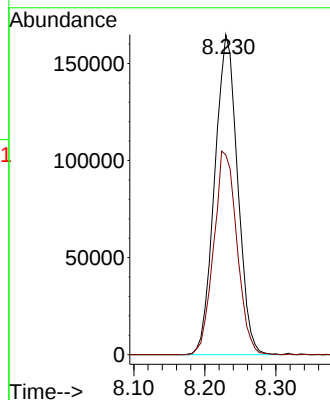
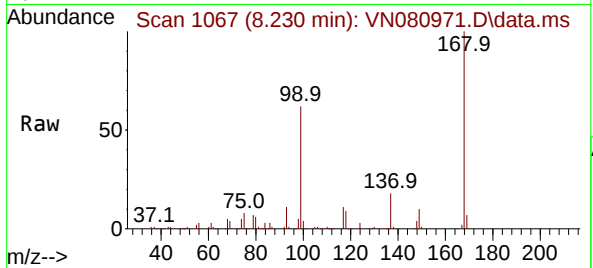




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

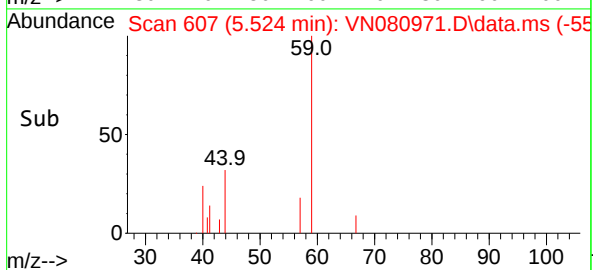
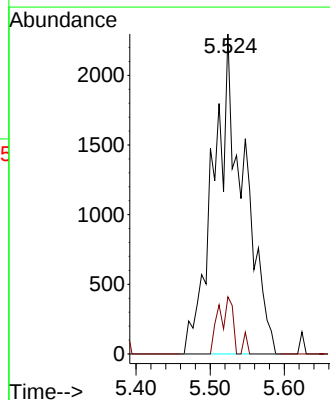
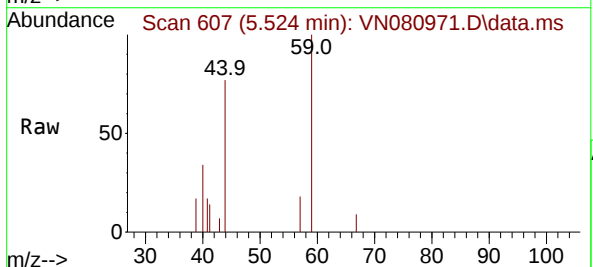
Instrument :
MSVOA_N
ClientSampleId :
CG-MW-17-ch4

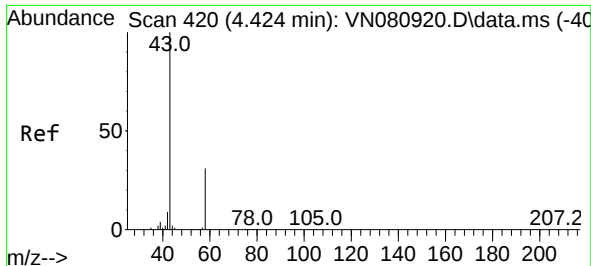
Tgt Ion:168 Resp: 368846
Ion Ratio Lower Upper
168 100
99 62.5 59.9 89.9



#11
Tert butyl alcohol
Concen: 10.265 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

Tgt Ion: 59 Resp: 6581
Ion Ratio Lower Upper
59 100
57 8.1 8.6 12.8#

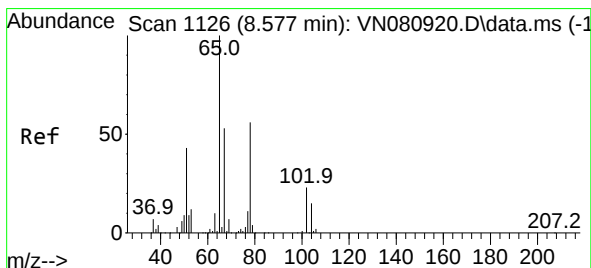
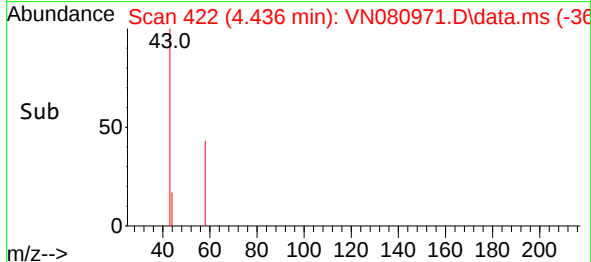
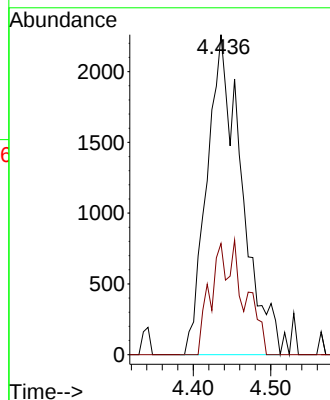
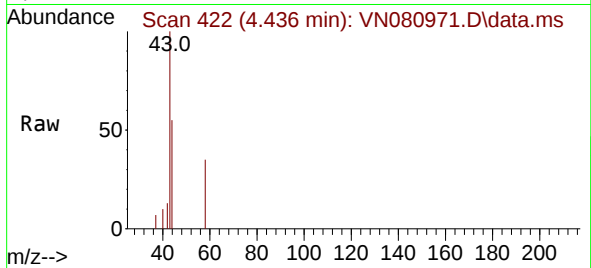




#16
Acetone
Concen: 4.603 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

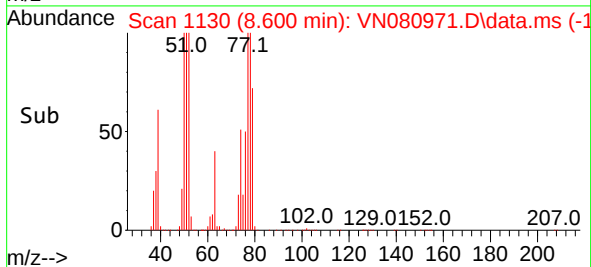
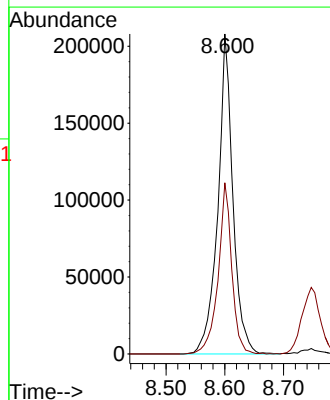
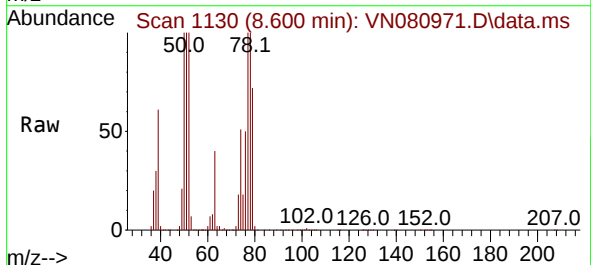
Instrument :
MSVOA_N
ClientSampleId :
CG-MW-17-ch4

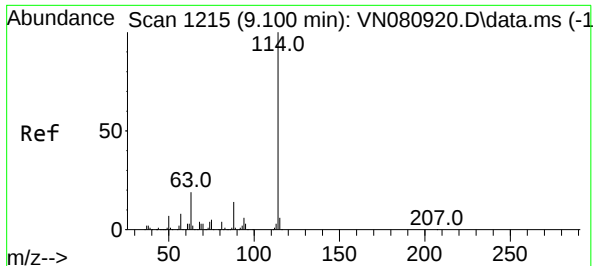
Tgt Ion: 43 Resp: 7046
Ion Ratio Lower Upper
43 100
58 34.8 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 79.254 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.023 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

Tgt Ion: 65 Resp: 368768
Ion Ratio Lower Upper
65 100
67 48.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

CG-MW-17-ch4

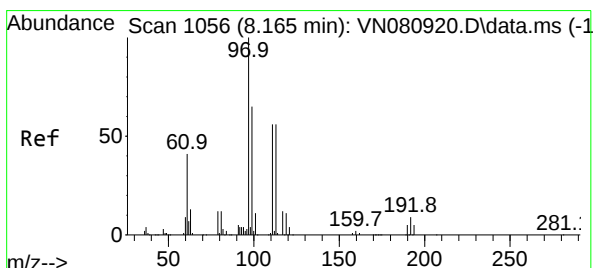
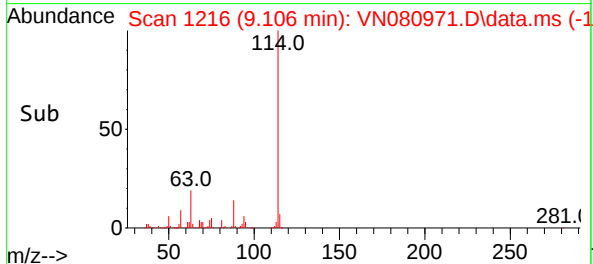
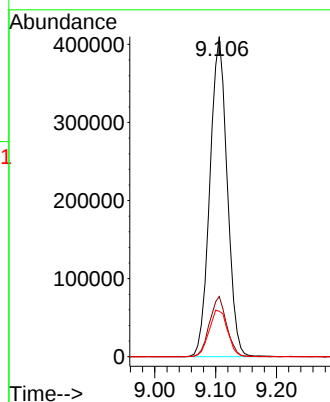
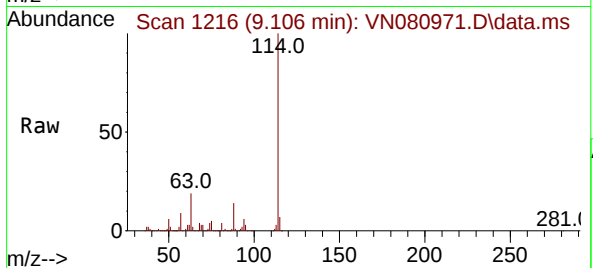
Tgt Ion:114 Resp: 806917

Ion Ratio Lower Upper

114 100

63 18.8 0.0 48.0

88 14.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 46.587 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

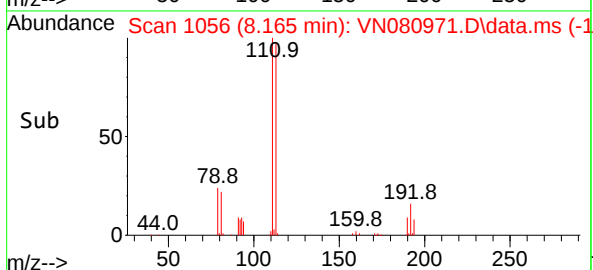
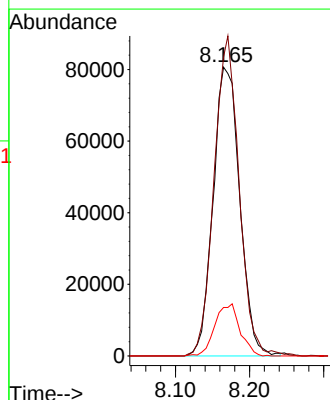
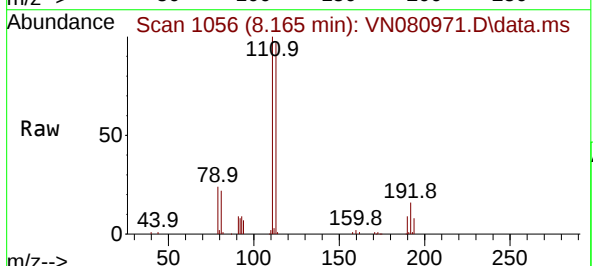
Tgt Ion:113 Resp: 201718

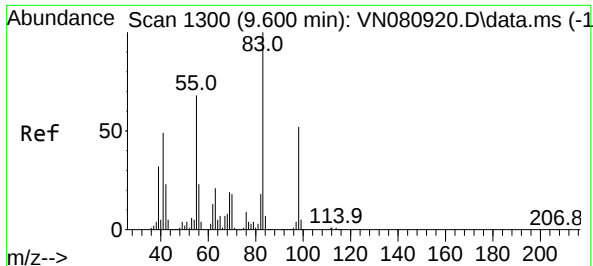
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 16.9 12.5 18.7





#39

Methylcyclohexane

Concen: 0.512 ug/l

RT: 9.600 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

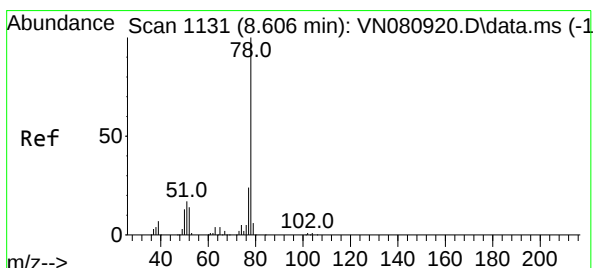
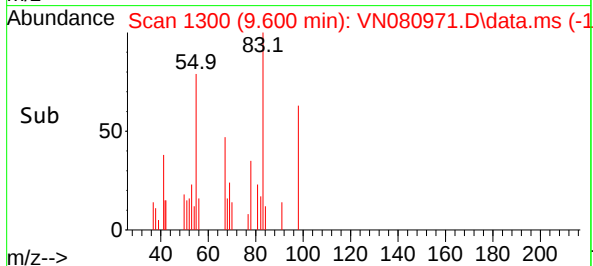
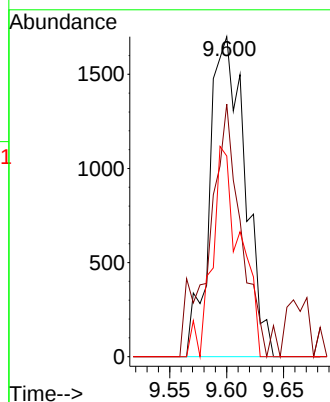
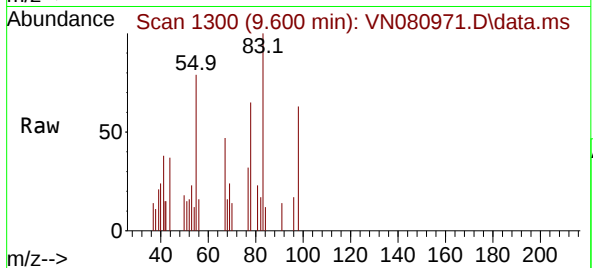
Instrument :

MSVOA_N

ClientSampleId :

CG-MW-17-ch4

Tgt Ion: 83	Resp:	3674
Ion	Ratio	Lower Upper
83	100	
55	78.9	65.7 98.5
98	62.7	33.8 50.6#



#40

Benzene

Concen: 2227.318 ug/l m

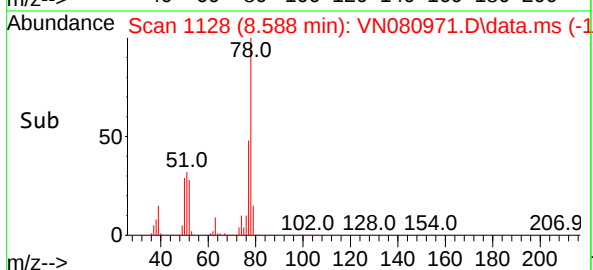
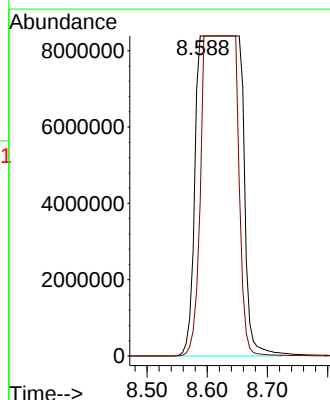
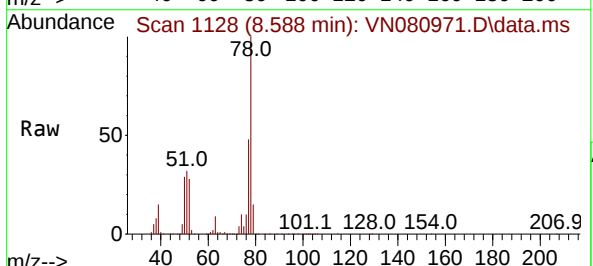
RT: 8.588 min Scan# 1128

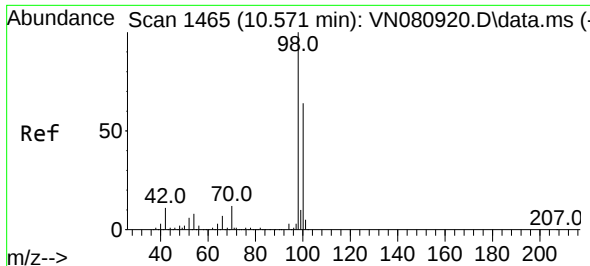
Delta R.T. -0.018 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

Tgt Ion: 78	Resp:	43671708
Ion	Ratio	Lower Upper
78	100	
77	48.1	20.4 30.6#

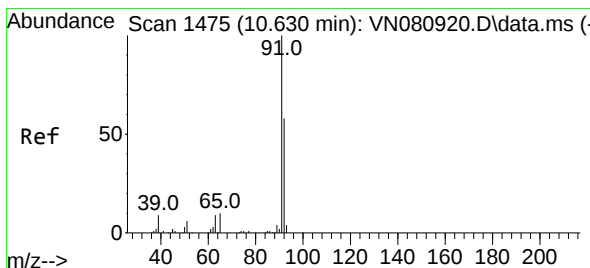
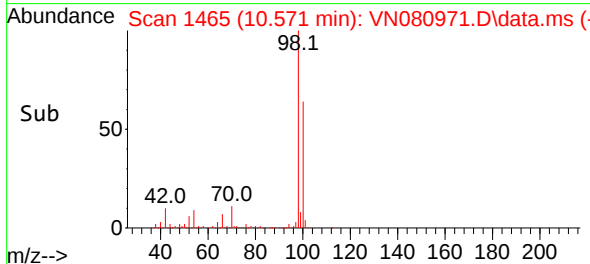
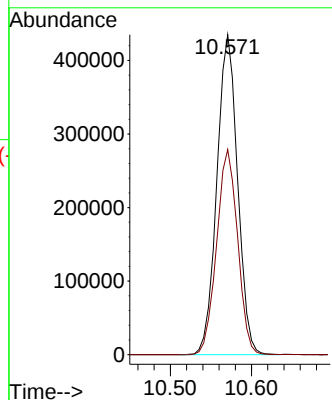
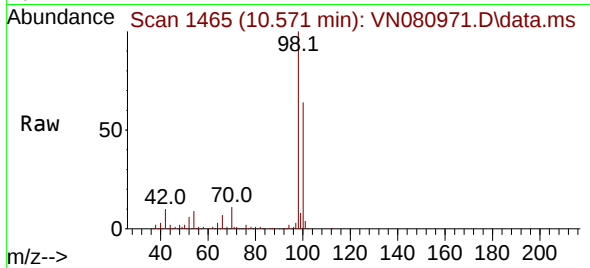




#50
Toluene-d8
Concen: 49.268 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

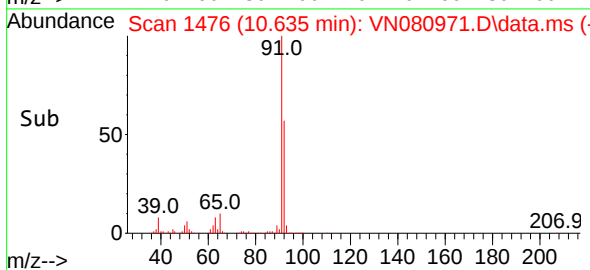
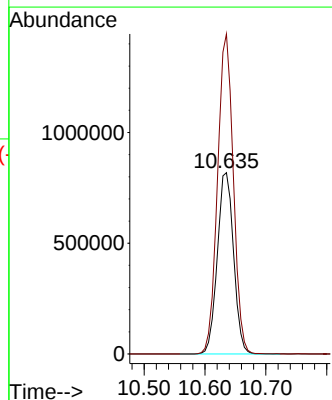
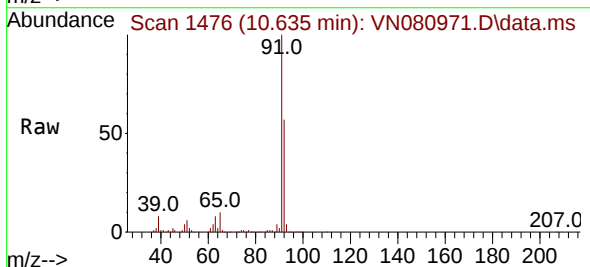
Instrument :
MSVOA_N
ClientSampleId :
CG-MW-17-ch4

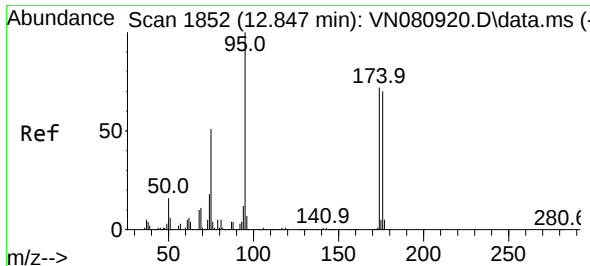
Tgt Ion: 98 Resp: 771621
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#52
Toluene
Concen: 115.164 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

Tgt Ion: 92 Resp: 1512497
Ion Ratio Lower Upper
92 100
91 171.7 139.4 209.0

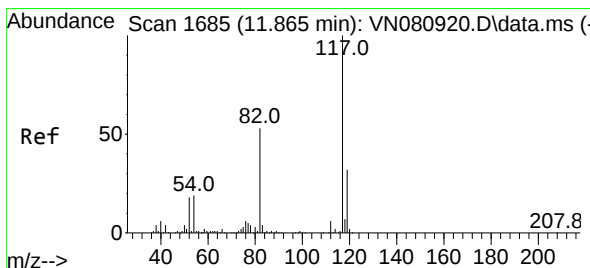
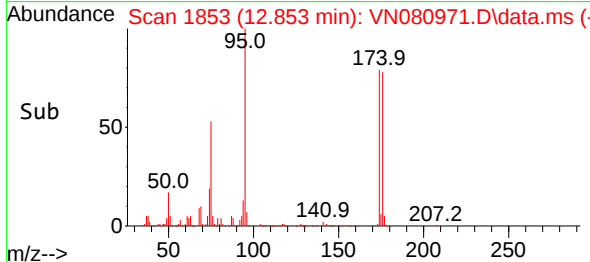
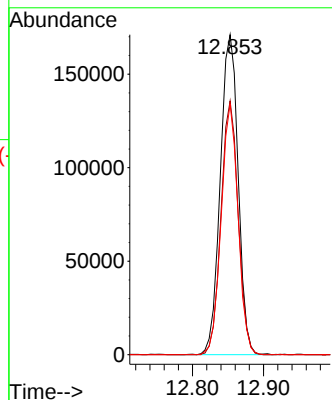
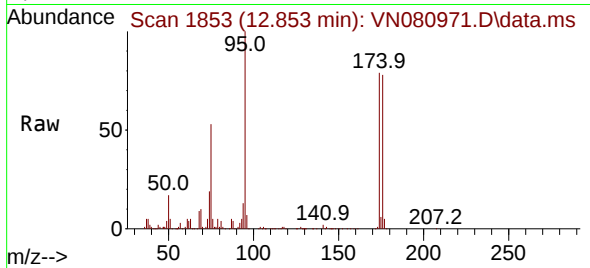




#62
4-Bromofluorobenzene
Concen: 52.345 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

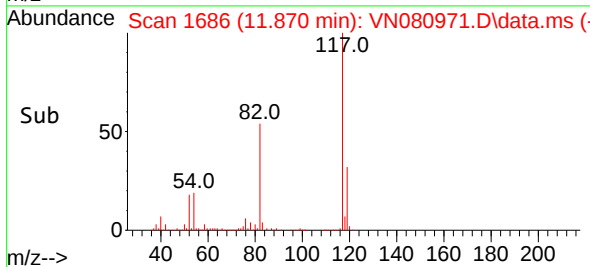
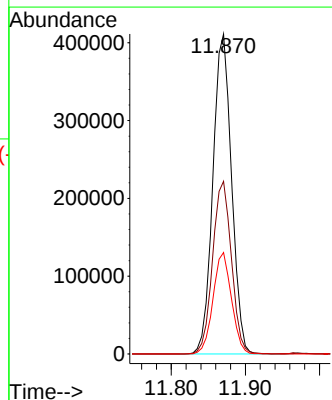
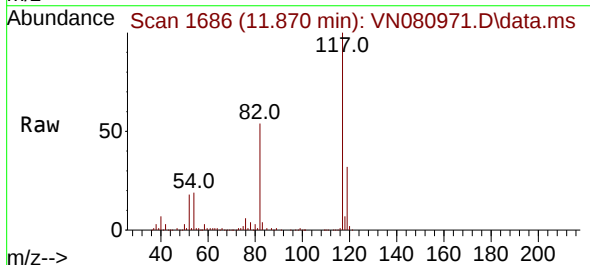
Instrument :
MSVOA_N
ClientSampleId :
CG-MW-17-ch4

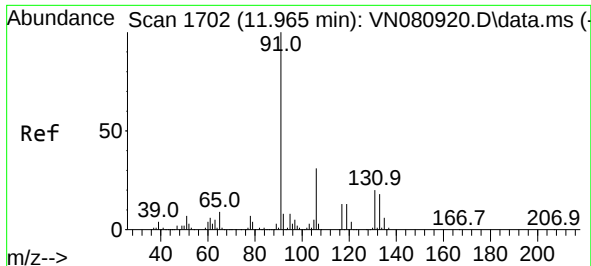
Tgt Ion: 95 Resp: 297817
Ion Ratio Lower Upper
95 100
174 76.5 0.0 120.4
176 73.9 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

Tgt Ion: 117 Resp: 718742
Ion Ratio Lower Upper
117 100
82 54.0 52.7 79.1
119 31.7 25.3 37.9





#67

Ethyl Benzene

Concen: 878.039 ug/l m

RT: 11.953 min Scan# 1700

Delta R.T. -0.012 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

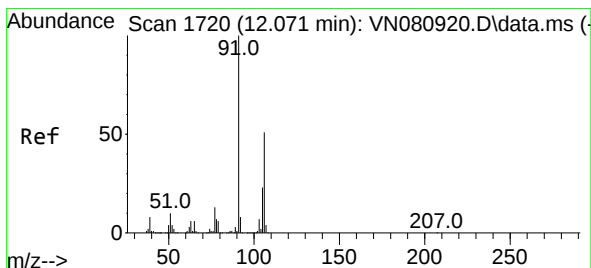
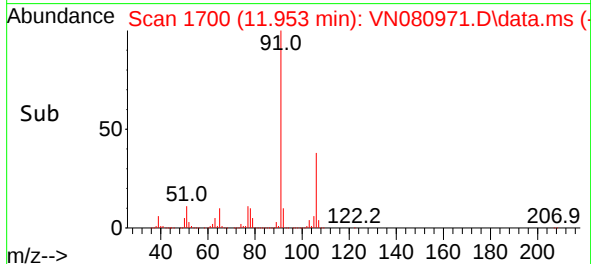
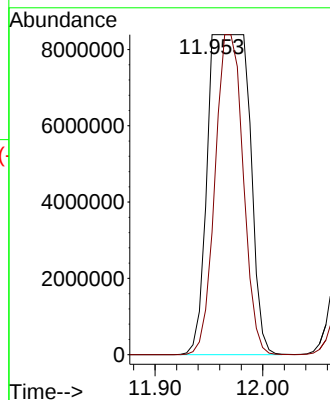
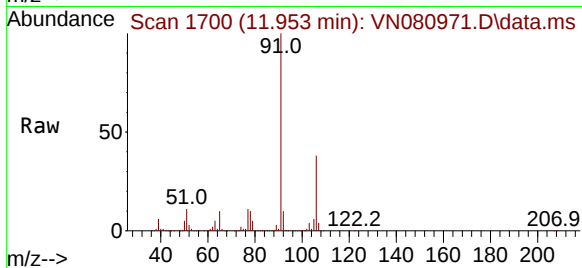
CG-MW-17-ch4

Tgt Ion: 91 Resp:22783307

Ion Ratio Lower Upper

91 100

106 38.3 23.8 35.6#



#68

m/p-Xylenes

Concen: 440.903 ug/l

RT: 12.082 min Scan# 1722

Delta R.T. 0.012 min

Lab File: VN080971.D

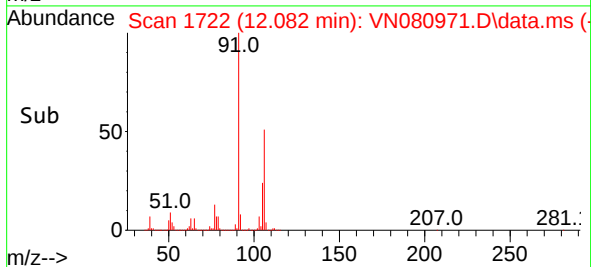
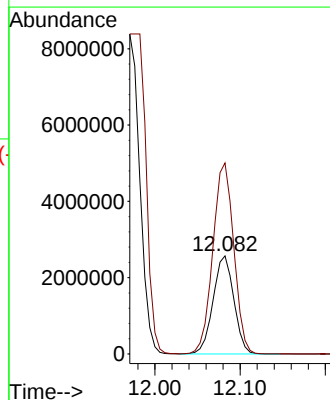
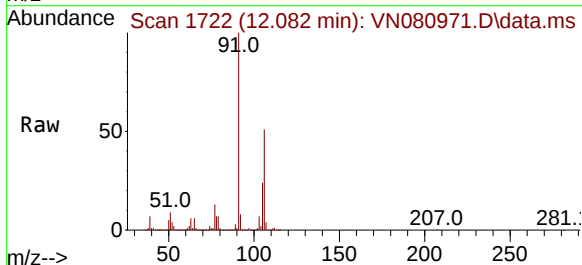
Acq: 08 Feb 2024 18:10

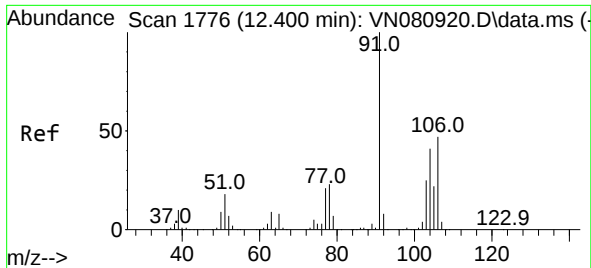
Tgt Ion:106 Resp: 4346487

Ion Ratio Lower Upper

106 100

91 196.9 169.0 253.6

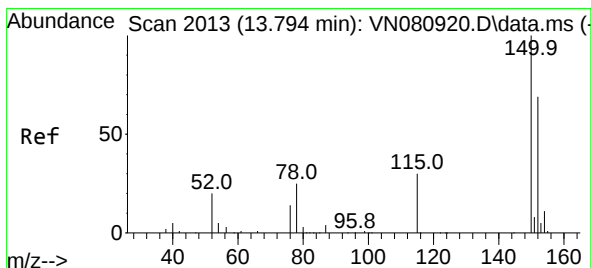
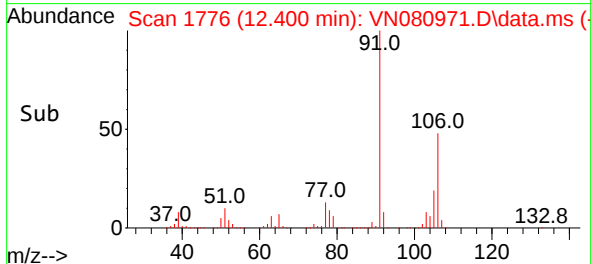
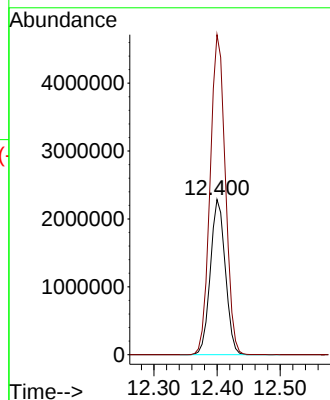
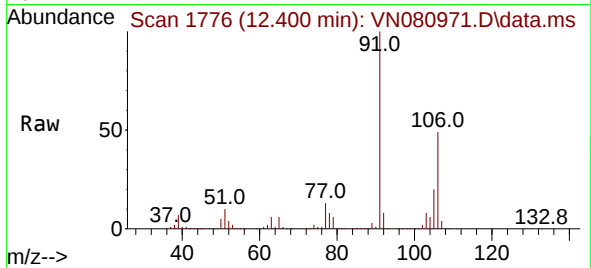




#69
o-Xylene
Concen: 393.142 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

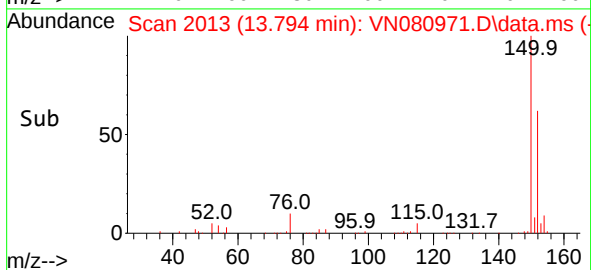
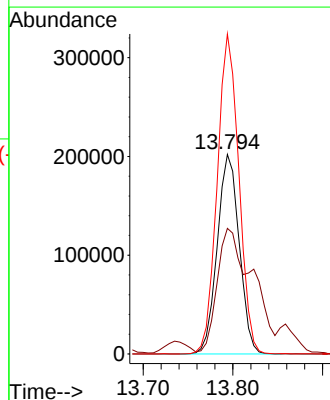
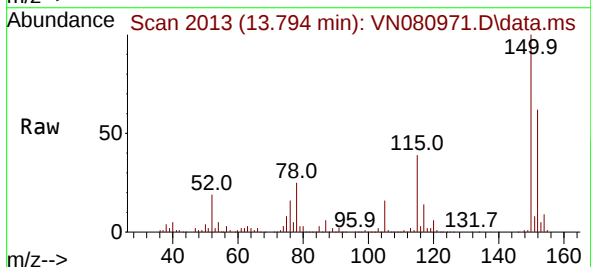
Instrument :
MSVOA_N
ClientSampleId :
CG-MW-17-ch4

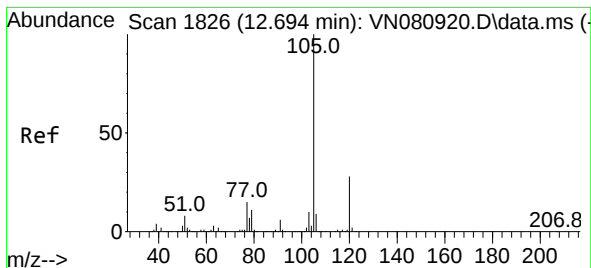
Tgt Ion:106 Resp: 3760694
Ion Ratio Lower Upper
106 100
91 209.7 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080971.D
Acq: 08 Feb 2024 18:10

Tgt Ion:152 Resp: 343189
Ion Ratio Lower Upper
152 100
115 98.6 32.3 96.8#
150 158.1 0.0 339.8





#73

Isopropylbenzene

Concen: 70.172 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.006 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

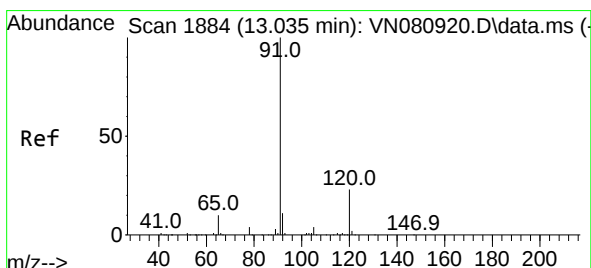
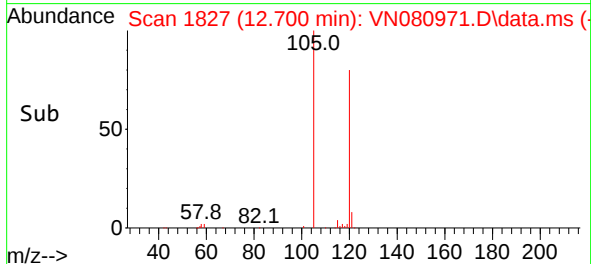
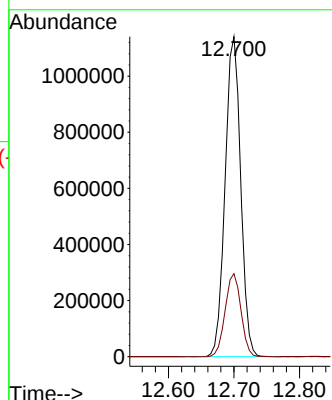
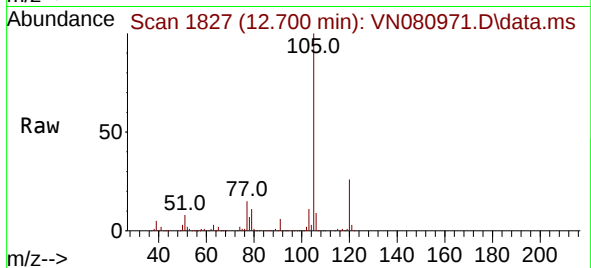
CG-MW-17-ch4

Tgt Ion:105 Resp: 1872928

Ion Ratio Lower Upper

105 100

120 26.4 12.6 37.6



#78

n-propylbenzene

Concen: 25.694 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN080971.D

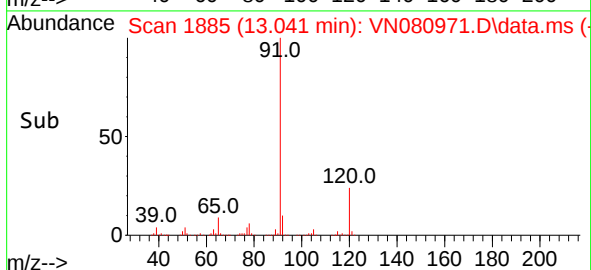
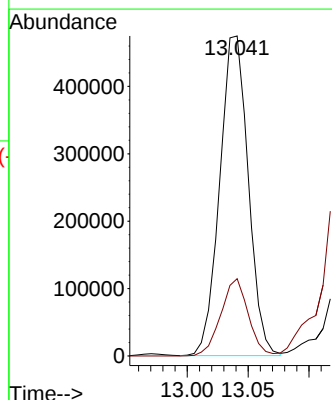
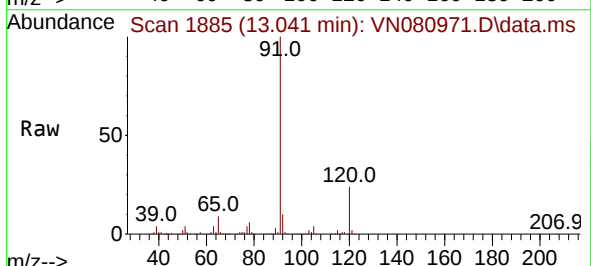
Acq: 08 Feb 2024 18:10

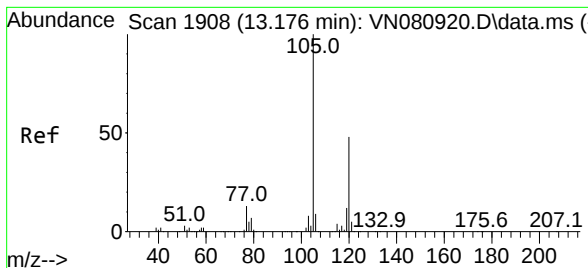
Tgt Ion: 91 Resp: 774268

Ion Ratio Lower Upper

91 100

120 23.2 10.3 30.9





#80

1,3,5-Trimethylbenzene

Concen: 43.519 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

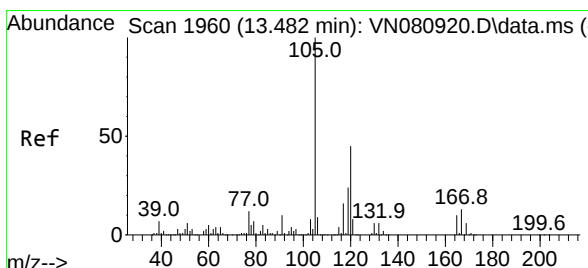
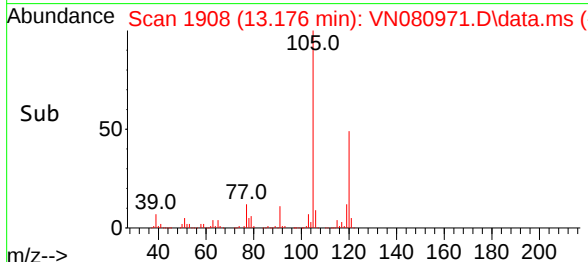
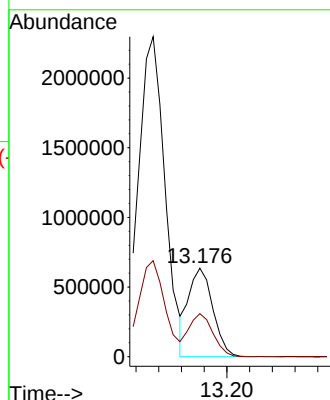
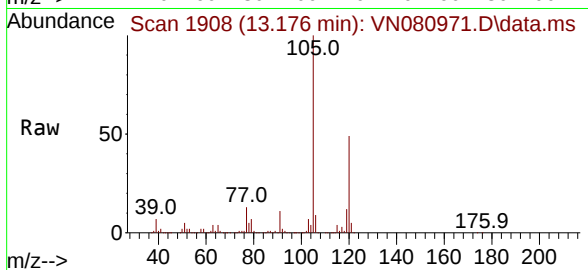
CG-MW-17-ch4

Tgt Ion:105 Resp: 944110

Ion Ratio Lower Upper

105 100

120 48.2 23.0 69.0



#84

1,2,4-Trimethylbenzene

Concen: 260.050 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN080971.D

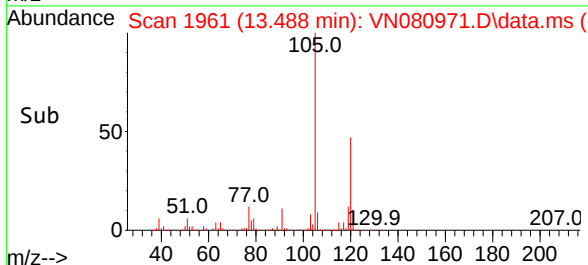
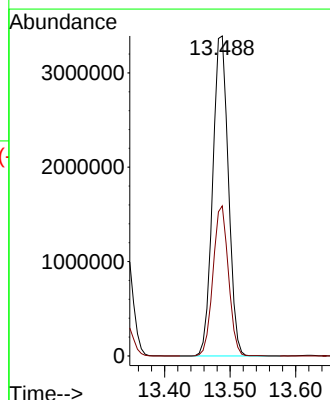
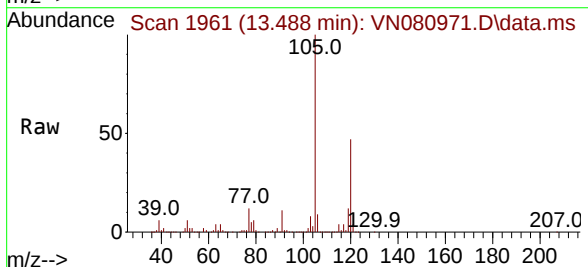
Acq: 08 Feb 2024 18:10

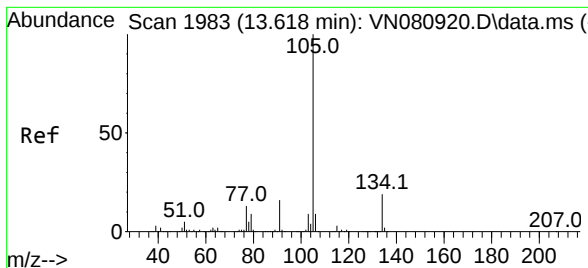
Tgt Ion:105 Resp: 5618962

Ion Ratio Lower Upper

105 100

120 46.2 20.9 62.7





#85

sec-Butylbenzene

Concen: 0.528 ug/l m

RT: 13.623 min Scan# 1983

Delta R.T. 0.006 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

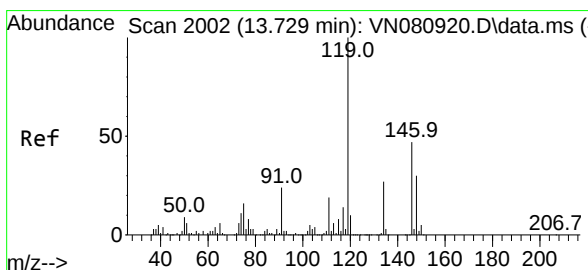
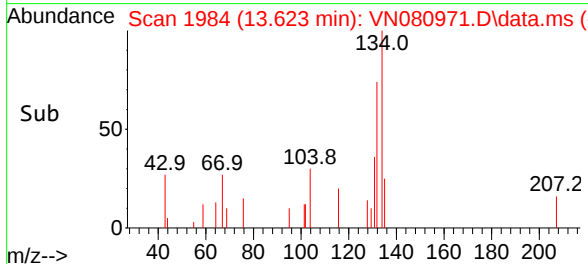
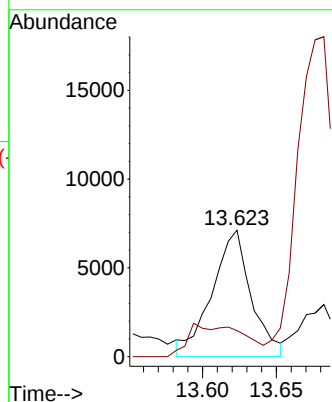
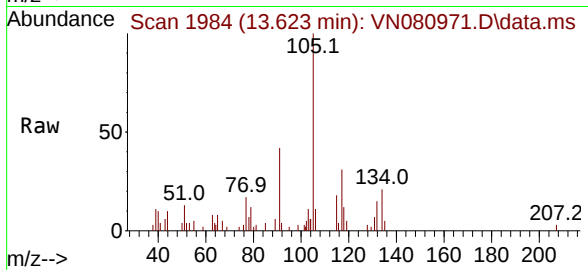
CG-MW-17-ch4

Tgt Ion:105 Resp: 13126

Ion Ratio Lower Upper

105 100

134 0.0 8.6 25.8#



#86

p-Isopropyltoluene

Concen: 7.882 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN080971.D

Acq: 08 Feb 2024 18:10

Tgt Ion:119 Resp: 165522

Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.2

91 32.7 13.5 40.4

