

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103123\
 Data File : VN079755.D
 Acq On : 31 Oct 2023 19:43
 Operator : JC\MD
 Sample : 05107-09ME 20X
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1079ME

Quant Time: Nov 01 01:26:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

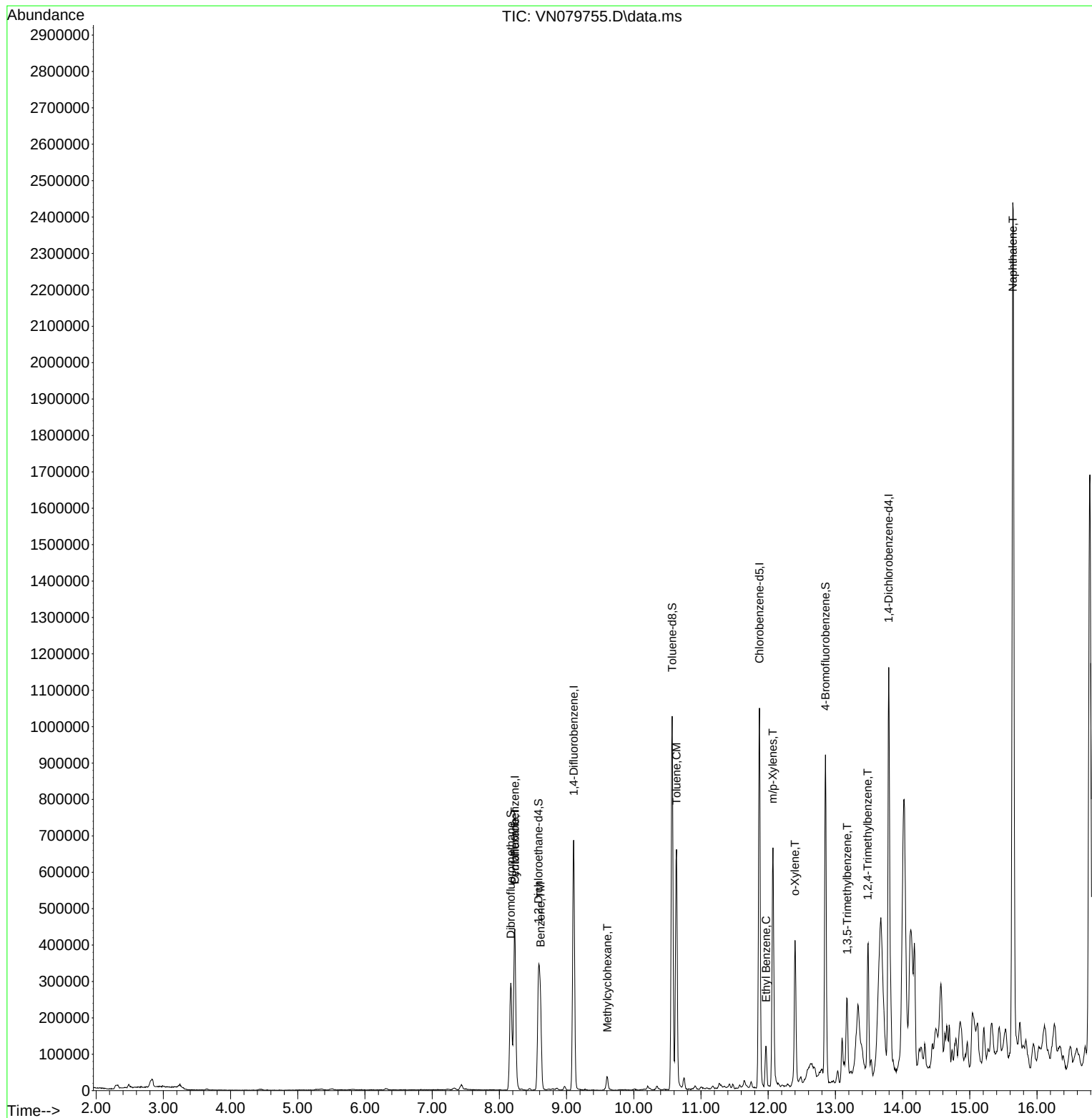
Internal Standards						
1) Pentafluorobenzene	8.230	168	319516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	587333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	601493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	282540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	227987	44.433	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.860%		
35) Dibromofluoromethane	8.171	113	210291	50.107	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.220%		
50) Toluene-d8	10.571	98	700267	44.760	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.520%		
62) 4-Bromofluorobenzene	12.853	95	299909	60.873	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	121.740%		
Target Compounds					Qvalue	
31) Cyclohexane	8.230	56	14616	2.088	ug/l #	61
39) Methylcyclohexane	9.606	83	14257	2.302	ug/l	91
40) Benzene	8.612	78	234360	12.754	ug/l	100
52) Toluene	10.635	92	292180	26.046	ug/l	99
67) Ethyl Benzene	11.970	91	84588	3.607	ug/l	97
68) m/p-Xylenes	12.070	106	190388	21.947	ug/l	98
69) o-Xylene	12.400	106	106358	12.750	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	93904	4.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	211495	10.509	ug/l	97
95) Naphthalene	15.641	128	2130776	248.649	ug/l	99

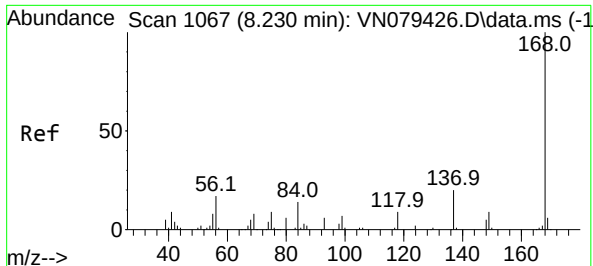
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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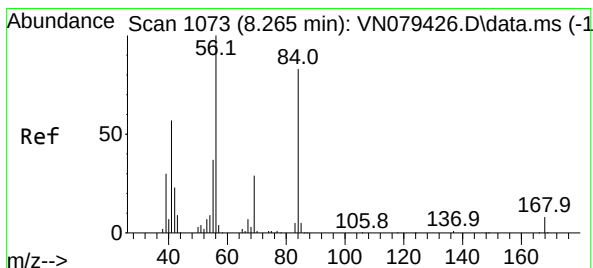
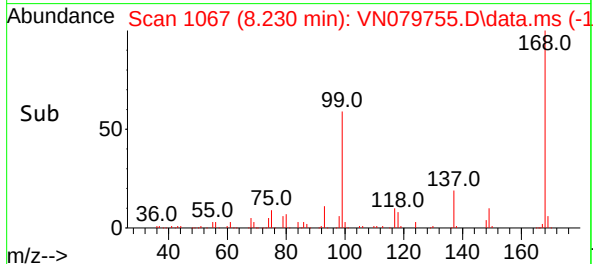
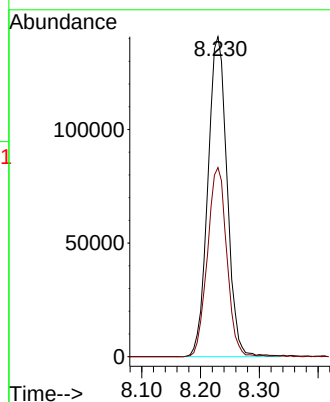
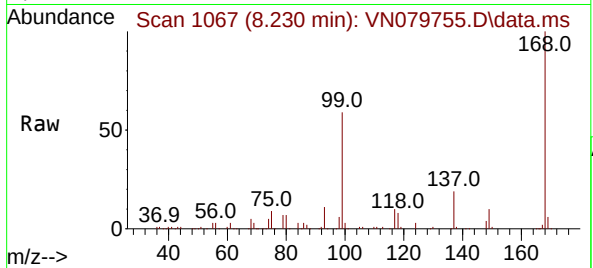




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079755.D
Acq: 31 Oct 2023 19:43

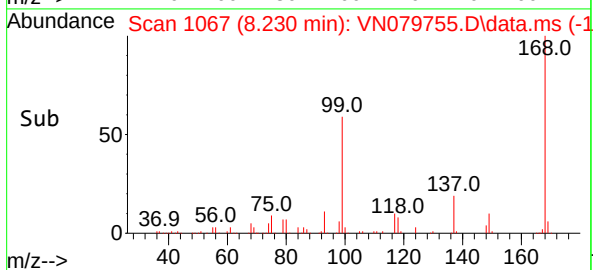
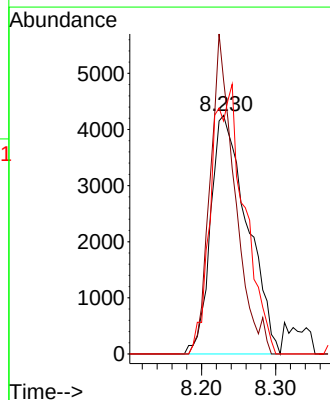
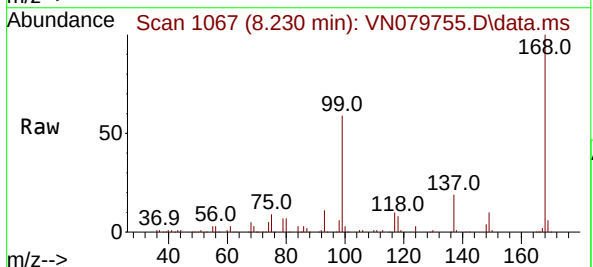
Instrument :
MSVOA_N
ClientSampleId :
1079ME

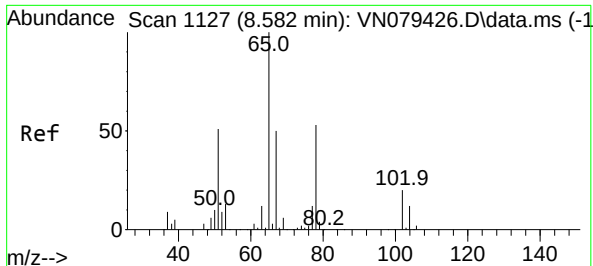
Tgt Ion:168 Resp: 319516
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#31
Cyclohexane
Concen: 2.088 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079755.D
Acq: 31 Oct 2023 19:43

Tgt Ion: 56 Resp: 14616
Ion Ratio Lower Upper
56 100
69 114.9 26.8 40.2#
84 97.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 44.433 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

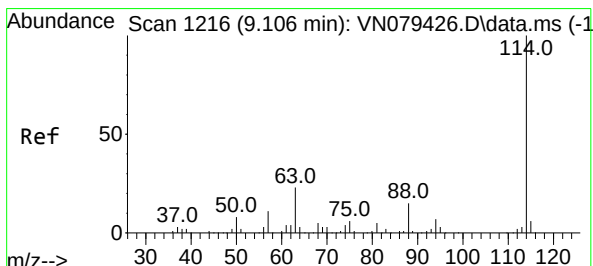
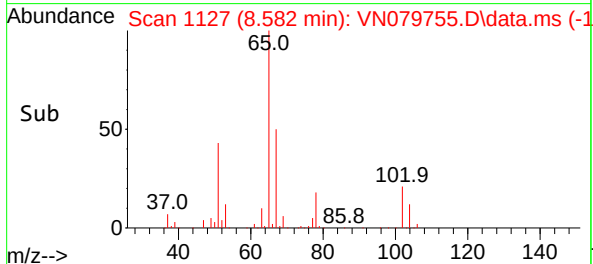
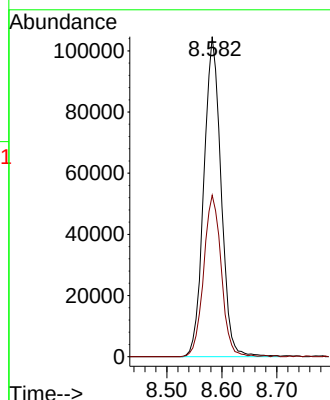
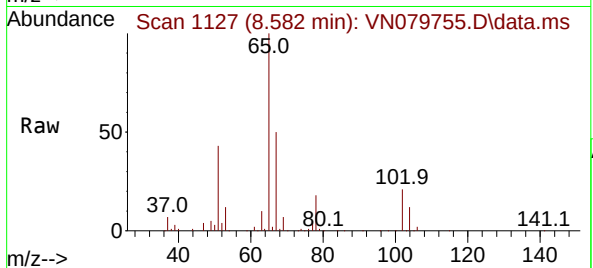
1079ME

Tgt Ion: 65 Resp: 227987

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

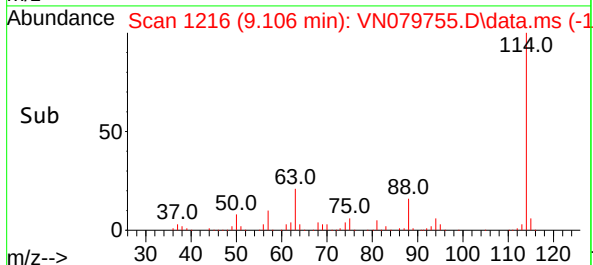
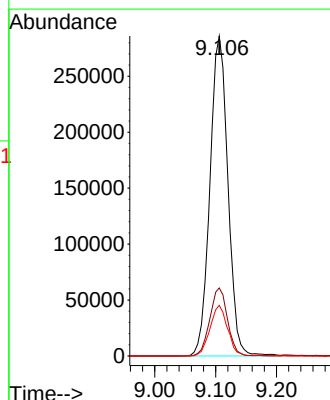
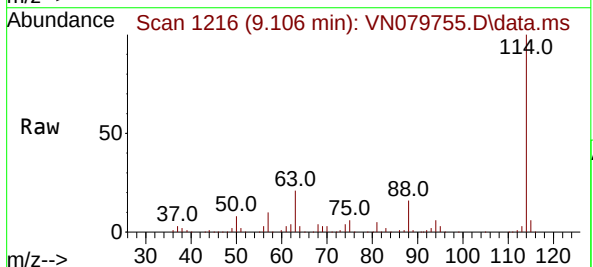
Tgt Ion: 114 Resp: 587333

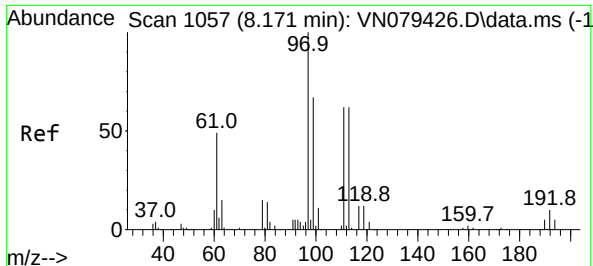
Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.107 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

1079ME

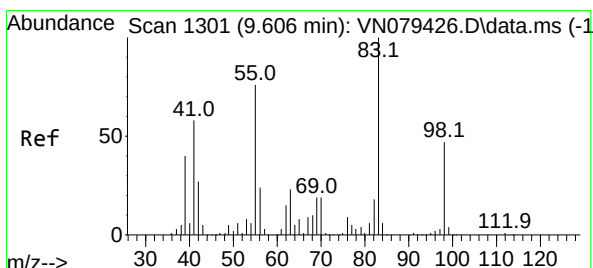
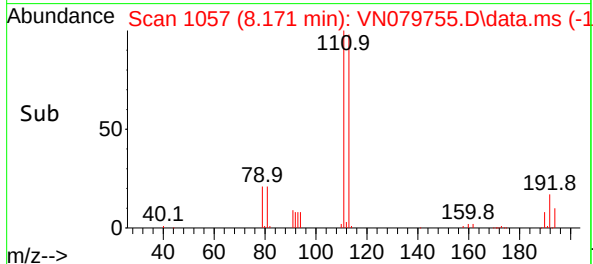
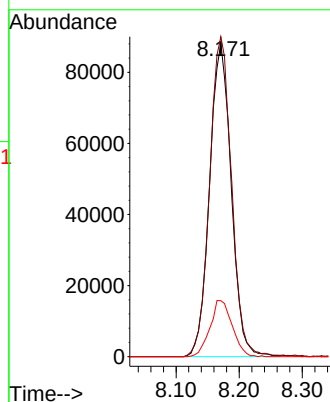
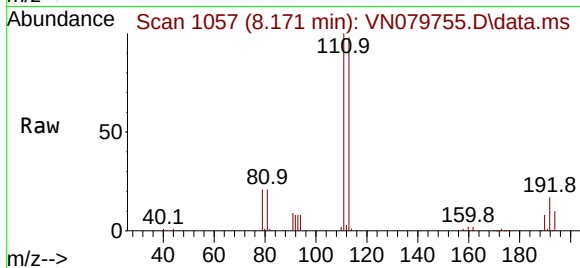
Tgt Ion:113 Resp: 210291

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.4 12.7 19.1



#39

Methylcyclohexane

Concen: 2.302 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

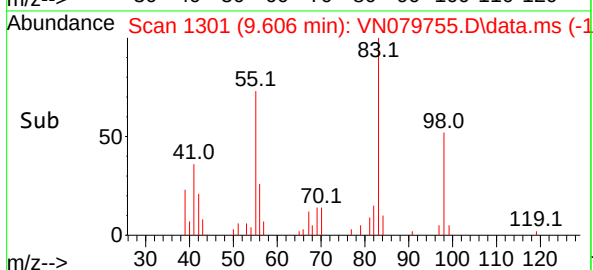
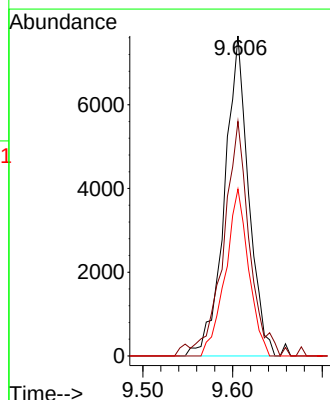
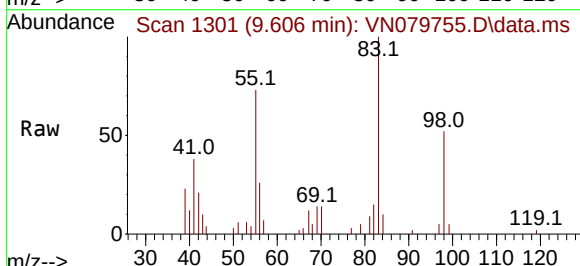
Tgt Ion: 83 Resp: 14257

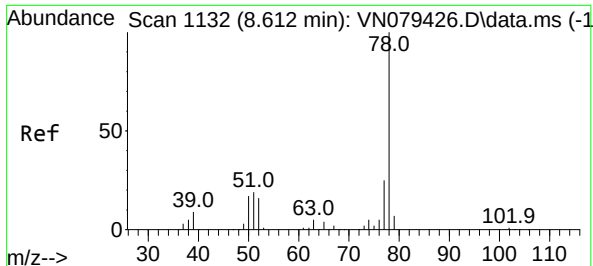
Ion Ratio Lower Upper

83 100

55 73.3 49.1 73.7

98 52.2 40.6 61.0





#40

Benzene

Concen: 12.754 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

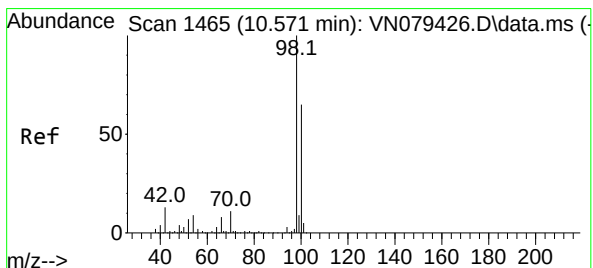
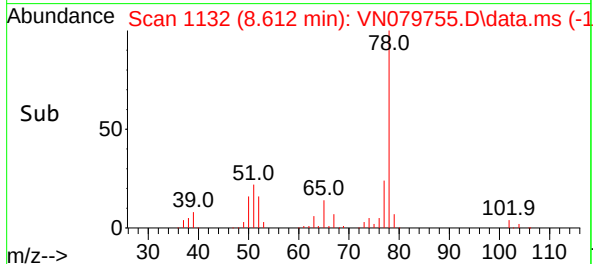
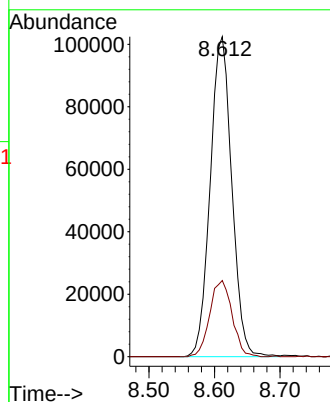
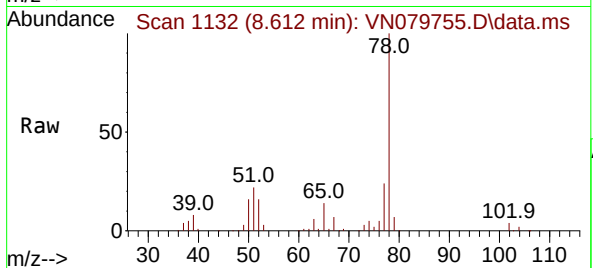
1079ME

Tgt Ion: 78 Resp: 234360

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



#50

Toluene-d8

Concen: 44.760 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079755.D

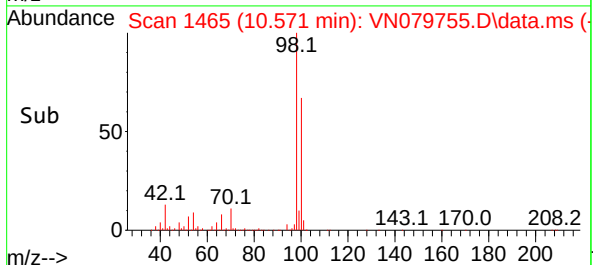
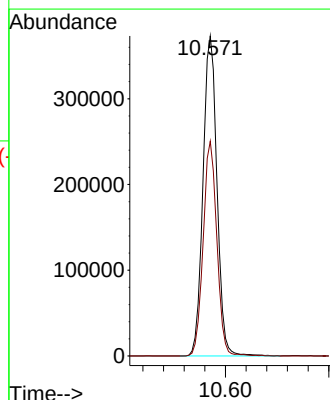
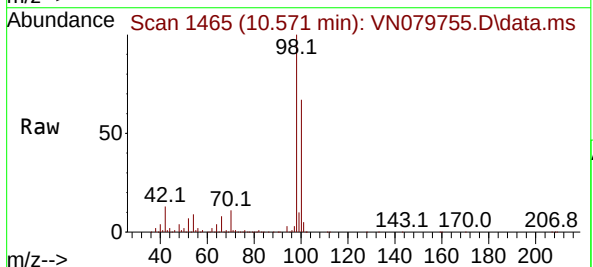
Acq: 31 Oct 2023 19:43

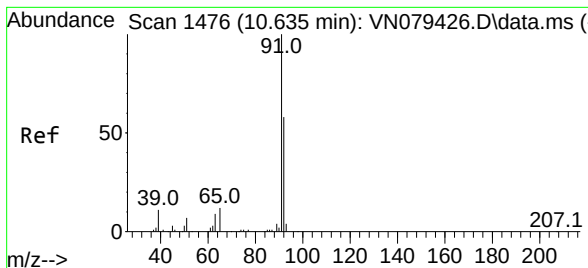
Tgt Ion: 98 Resp: 700267

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0





#52

Toluene

Concen: 26.046 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

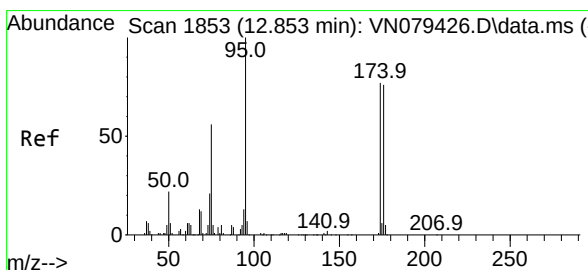
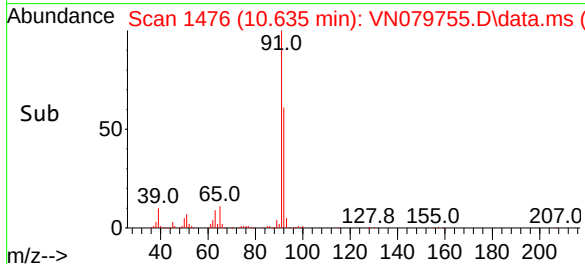
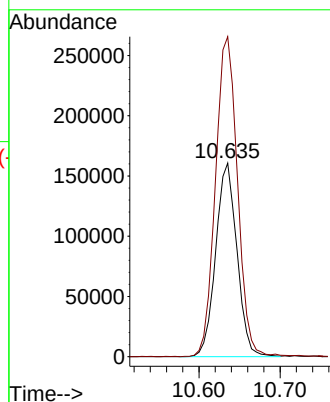
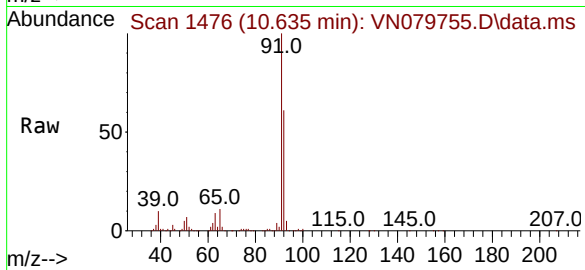
1079ME

Tgt Ion: 92 Resp: 292180

Ion Ratio Lower Upper

92 100

91 172.4 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 60.873 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

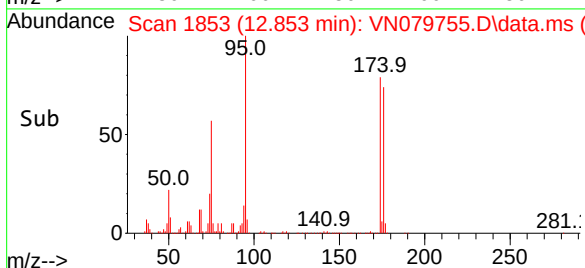
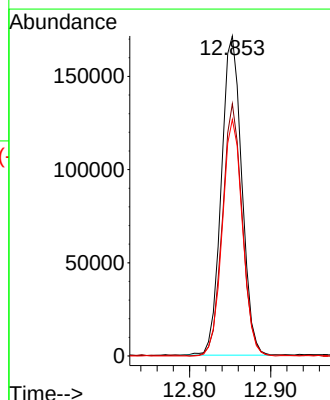
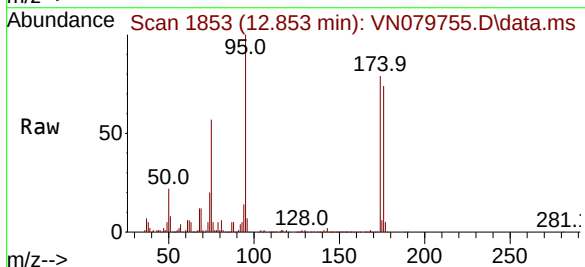
Tgt Ion: 95 Resp: 299909

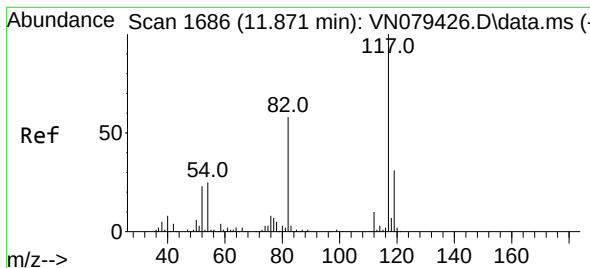
Ion Ratio Lower Upper

95 100

174 76.8 0.0 143.8

176 73.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN079755.D

Acq: 31 Oct 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

1079ME

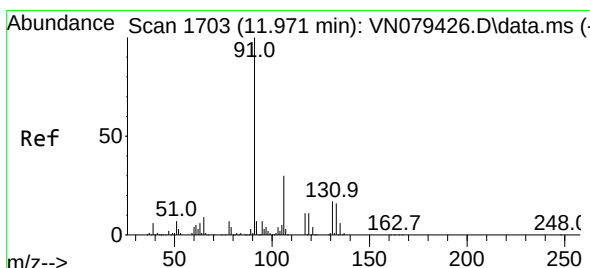
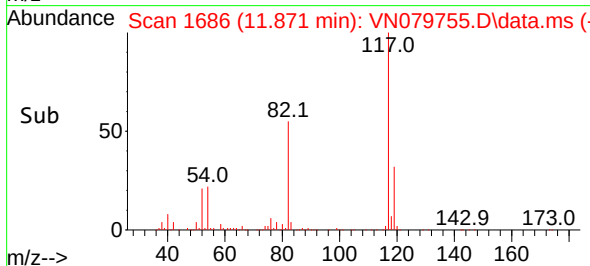
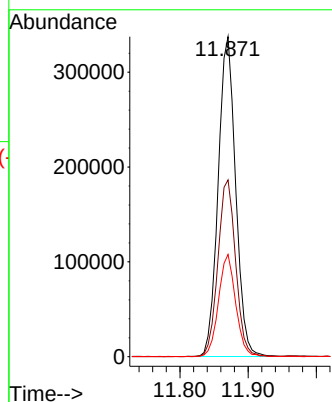
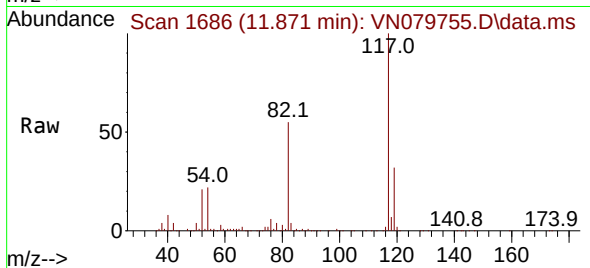
Tgt Ion:117 Resp: 601493

Ion Ratio Lower Upper

117 100

82 55.3 44.0 66.0

119 31.9 25.6 38.4



#67

Ethyl Benzene

Concen: 3.607 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. -0.001 min

Lab File: VN079755.D

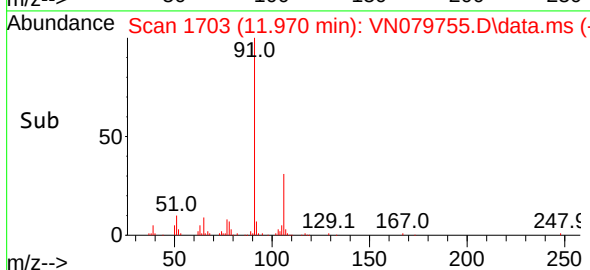
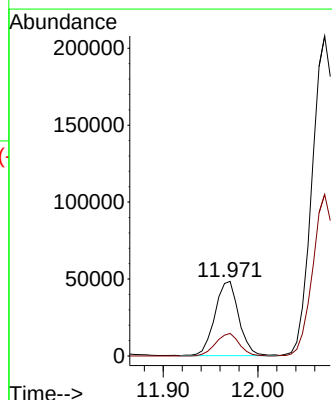
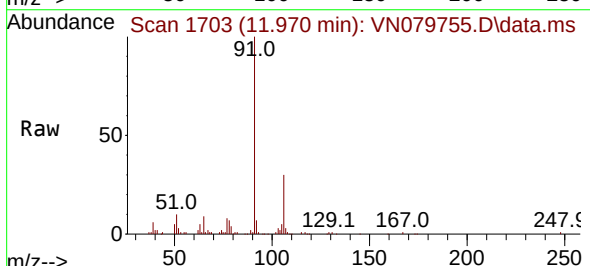
Acq: 31 Oct 2023 19:43

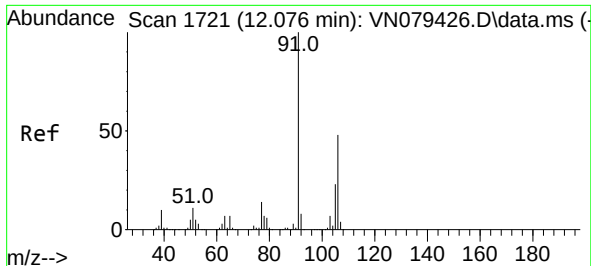
Tgt Ion: 91 Resp: 84588

Ion Ratio Lower Upper

91 100

106 30.5 25.6 38.4

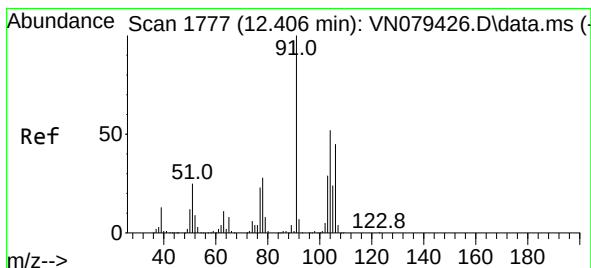
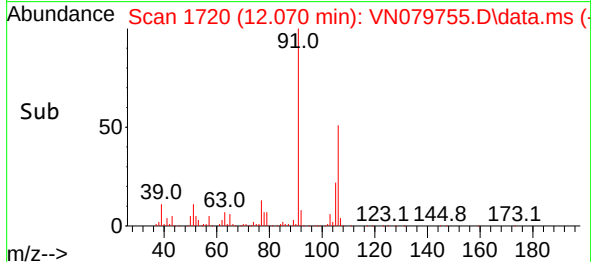
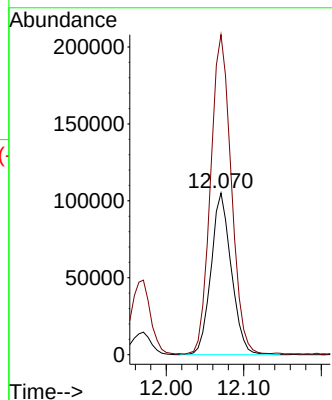
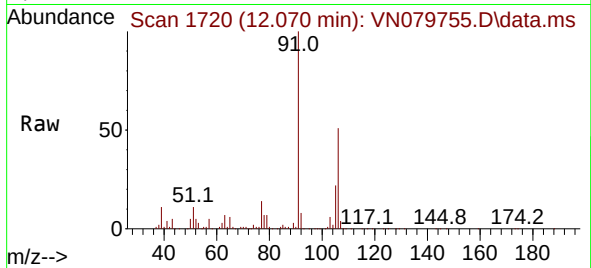




#68
m/p-Xylenes
Concen: 21.947 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN079755.D
Acq: 31 Oct 2023 19:43

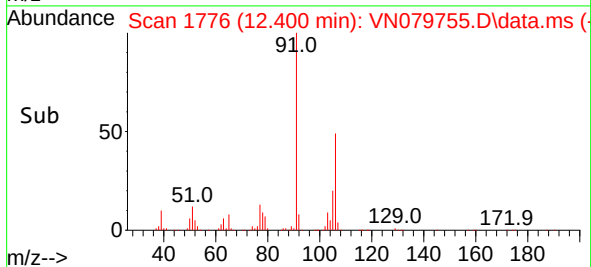
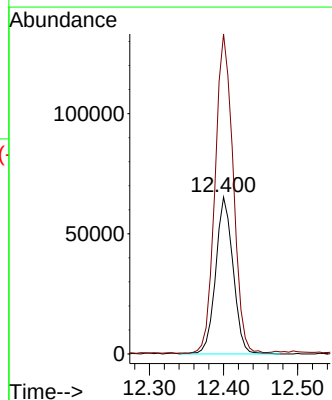
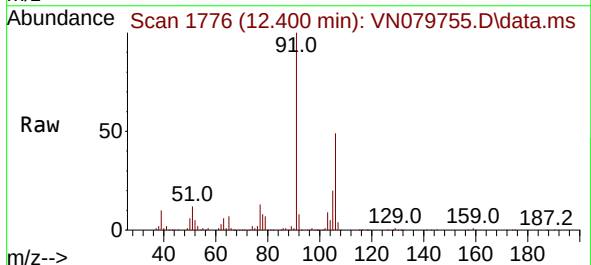
Instrument :
MSVOA_N
ClientSampleId :
1079ME

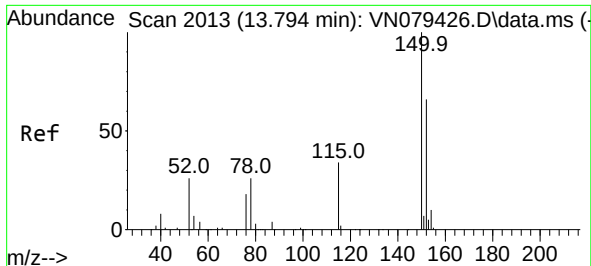
Tgt Ion:106 Resp: 190388
Ion Ratio Lower Upper
106 100
91 202.1 159.6 239.4



#69
o-Xylene
Concen: 12.750 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN079755.D
Acq: 31 Oct 2023 19:43

Tgt Ion:106 Resp: 106358
Ion Ratio Lower Upper
106 100
91 211.0 105.2 315.5

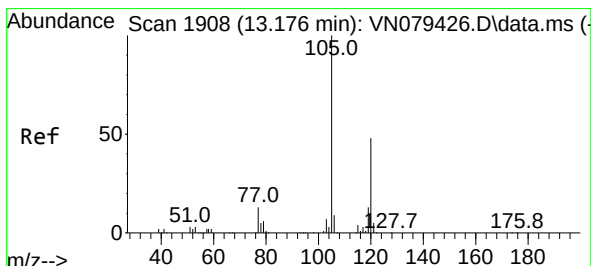
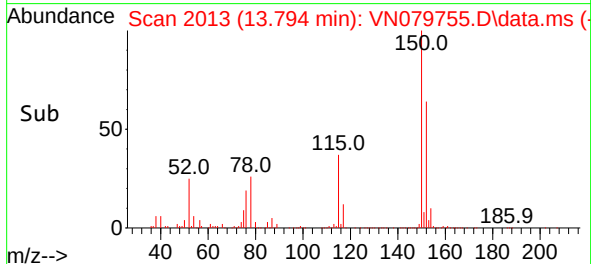
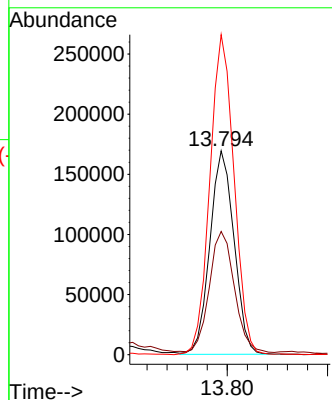
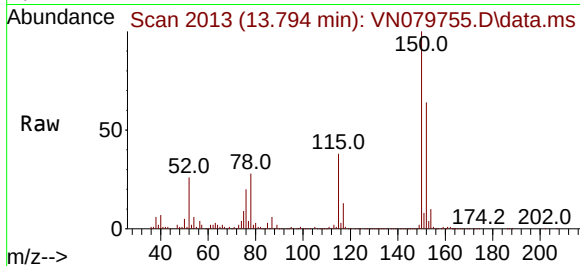




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN079755.D
 Acq: 31 Oct 2023 19:43

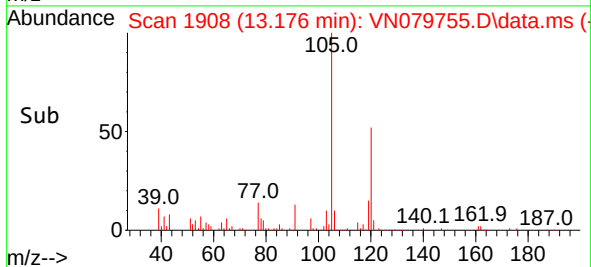
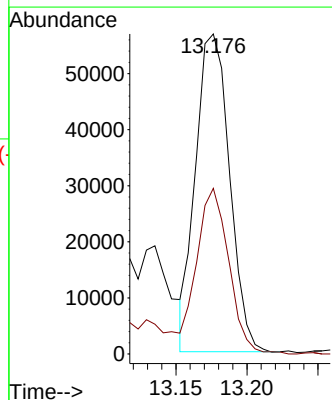
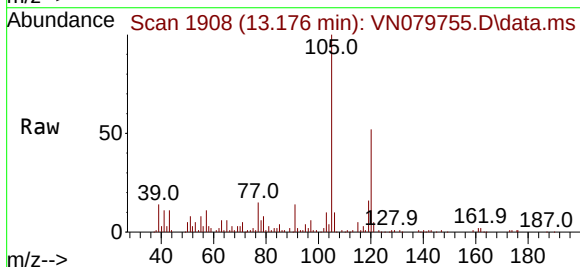
Instrument :
 MSVOA_N
 ClientSampleId :
 1079ME

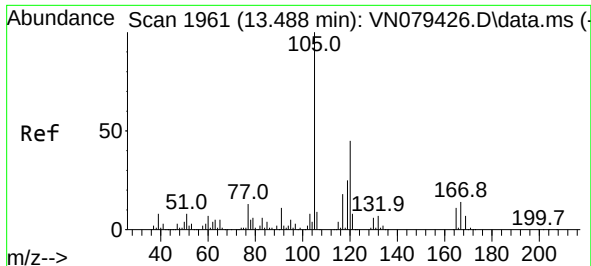
Tgt Ion:152 Resp: 282540
 Ion Ratio Lower Upper
 152 100
 115 61.7 32.3 96.8
 150 157.8 0.0 355.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.501 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079755.D
 Acq: 31 Oct 2023 19:43

Tgt Ion:105 Resp: 93904
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.3

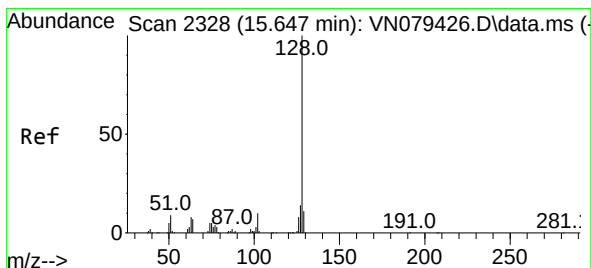
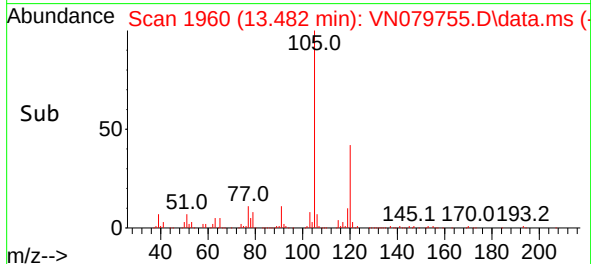
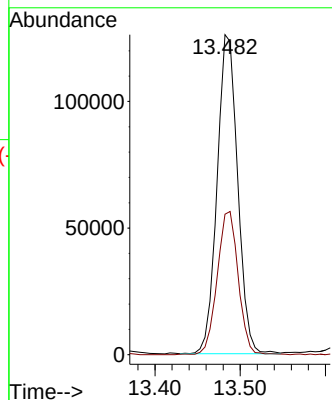
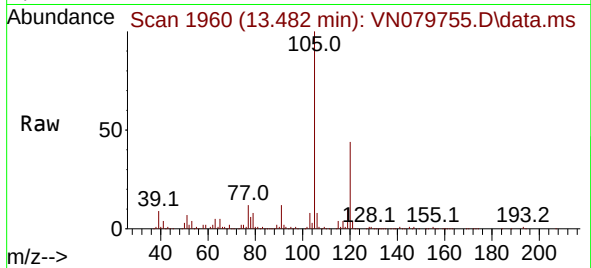




#84
1,2,4-Trimethylbenzene
Concen: 10.509 ug/l
RT: 13.482 min Scan# 1961
Delta R.T. -0.006 min
Lab File: VN079755.D
Acq: 31 Oct 2023 19:43

Instrument :
MSVOA_N
ClientSampleId :
1079ME

Tgt Ion:105 Resp: 211495
Ion Ratio Lower Upper
105 100
120 46.0 22.0 66.0



#95
Naphthalene
Concen: 248.649 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079755.D
Acq: 31 Oct 2023 19:43

Tgt Ion:128 Resp: 2130776
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.9 8.7 13.1

