

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060623\
 Data File : VN078068.D
 Acq On : 06 Jun 2023 14:01
 Operator : JC\MD
 Sample : 02907-01
 Misc : 5.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE

Quant Time: Jun 07 01:21:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

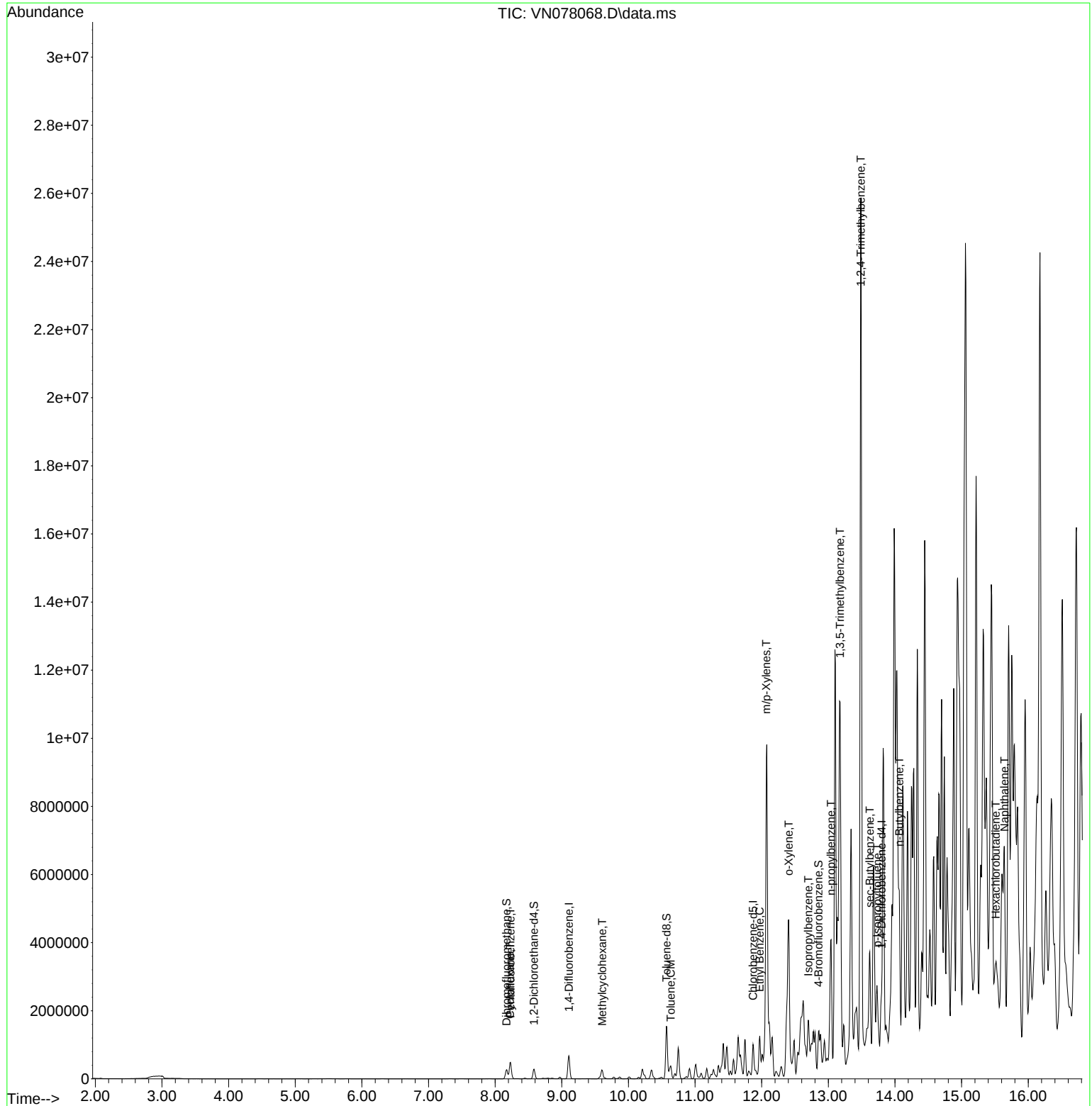
Internal Standards						
1) Pentafluorobenzene	8.230	168	338517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	611166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	579329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	272683	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	232516	45.906	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.820%
35) Dibromofluoromethane	8.171	113	196390	49.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.560%
50) Toluene-d8	10.571	98	789736	51.483	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.960%
62) 4-Bromofluorobenzene	12.853	95	319552	58.983	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.960%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.224	56	14498	2.106	ug/l #	73
39) Methylcyclohexane	9.606	83	115963	16.249	ug/l	91
52) Toluene	10.635	92	152807	14.269	ug/l	99
67) Ethyl Benzene	11.970	91	704385	31.297	ug/l	98
68) m/p-Xylenes	12.070	106	1939799	227.463	ug/l	100
69) o-Xylene	12.406	106	1132487	135.032	ug/l	97
73) Isopropylbenzene	12.700	105	699726	29.769	ug/l	99
78) n-propylbenzene	13.041	91	2491709	89.917	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	3365956	170.382	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	13849665	712.832	ug/l	96
85) sec-Butylbenzene	13.623	105	1846332	75.330	ug/l	88
86) p-Isopropyltoluene	13.735	119	796294	40.752	ug/l	98
89) n-Butylbenzene	14.064	91	2435363	135.504	ug/l #	81
94) Hexachlorobutadiene	15.511	225	3761	1.673	ug/l	97
95) Naphthalene	15.647	128	2056501	110.323	ug/l #	94

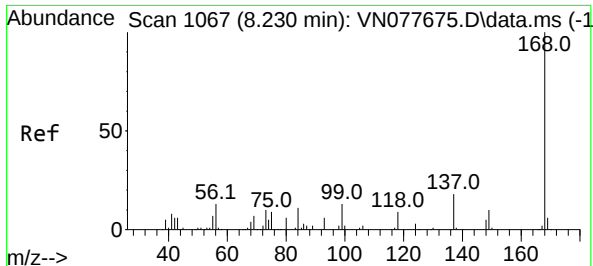
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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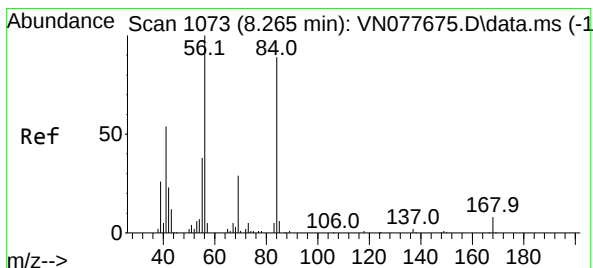
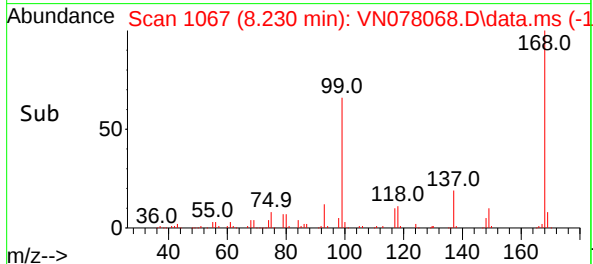
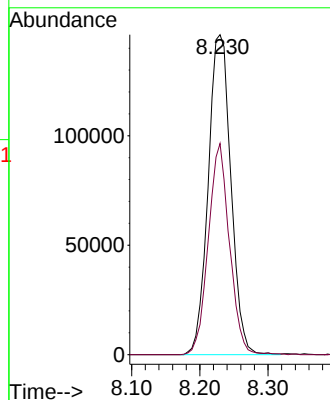
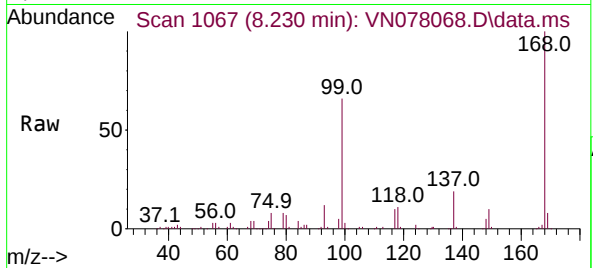




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

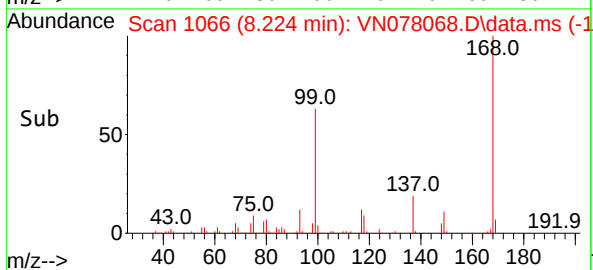
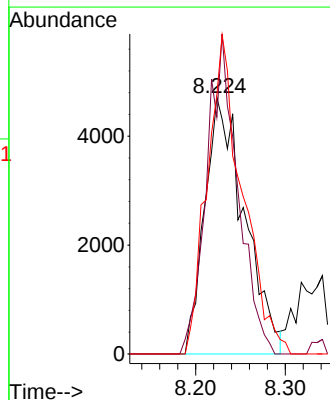
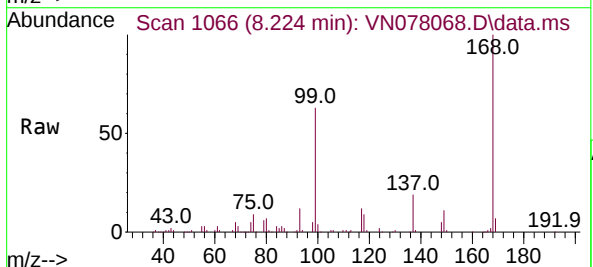
Instrument :
MSVOA_N
ClientSampleId :
WASTE

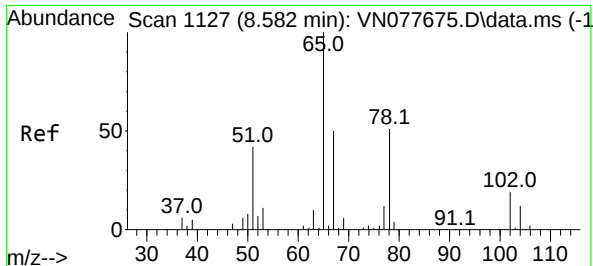
Tgt Ion:168 Resp: 338517
Ion Ratio Lower Upper
168 100
99 66.0 53.0 79.6



#31
Cyclohexane
Concen: 2.106 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Tgt Ion: 56 Resp: 14498
Ion Ratio Lower Upper
56 100
69 92.3 26.8 40.2#
84 100.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 45.906 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078068.D

Acq: 06 Jun 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

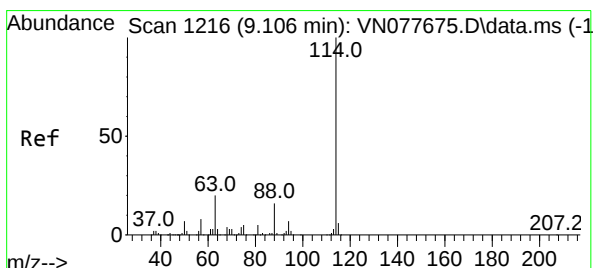
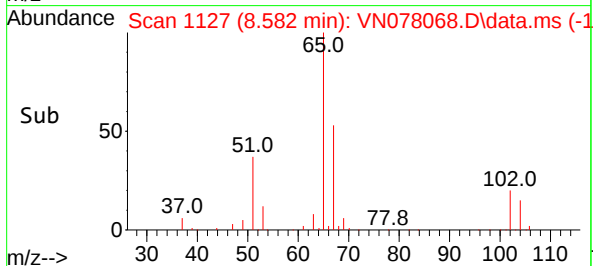
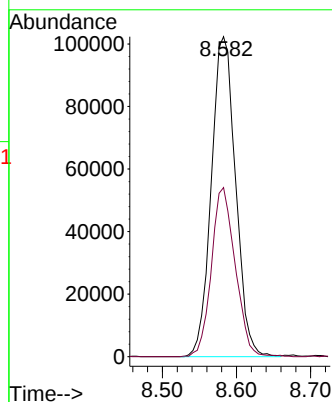
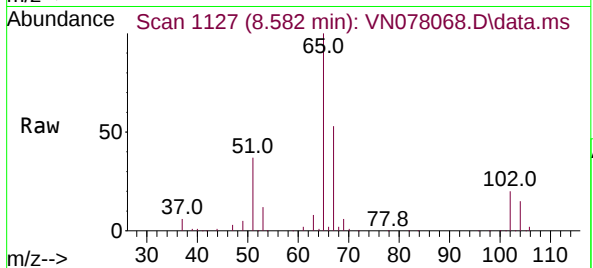
WASTE

Tgt Ion: 65 Resp: 232516

Ion Ratio Lower Upper

65 100

67 51.9 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: VN078068.D

Acq: 06 Jun 2023 14:01

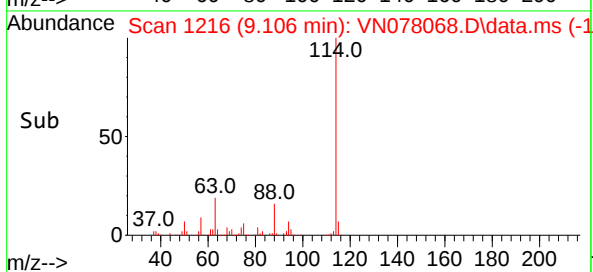
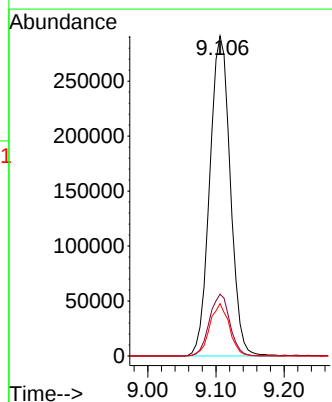
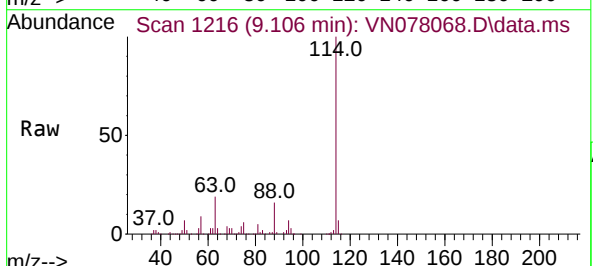
Tgt Ion: 114 Resp: 611166

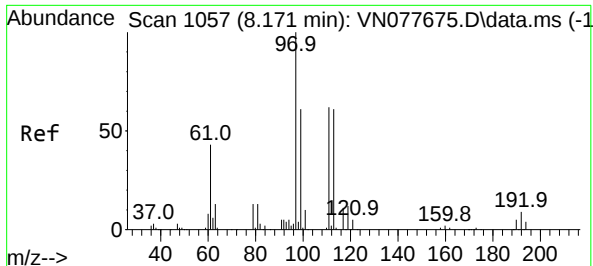
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 16.3 0.0 30.6

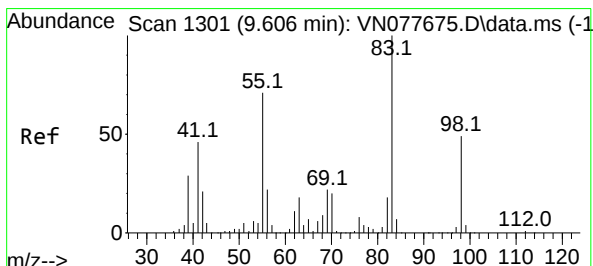
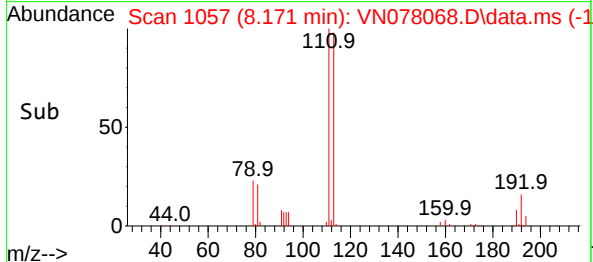
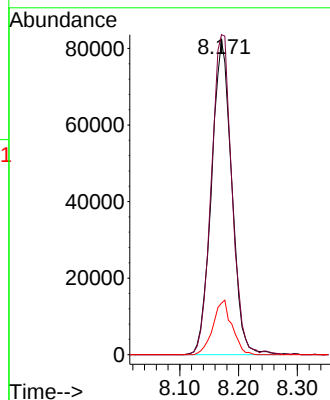
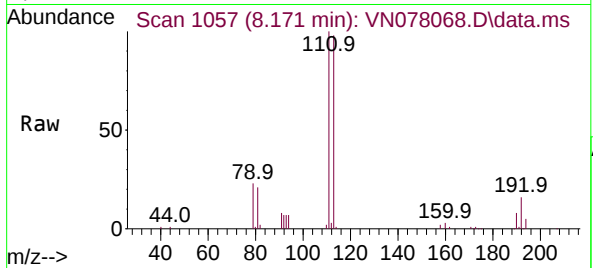




#35
Dibromofluoromethane
Concen: 49.278 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

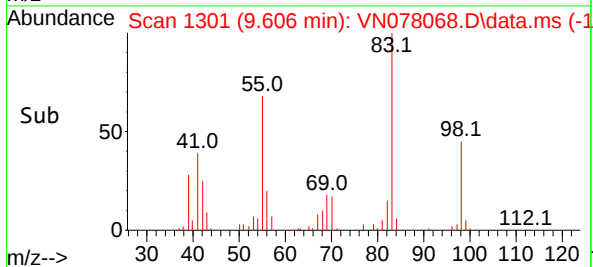
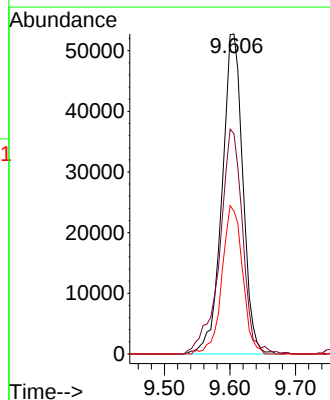
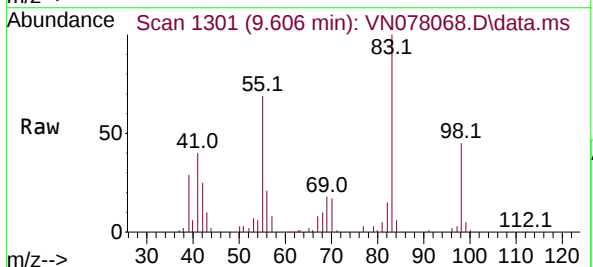
Instrument :
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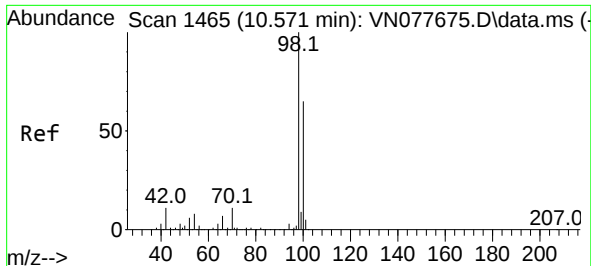
Tgt Ion:113 Resp: 196390
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 16.2 12.7 19.1



#39
Methylcyclohexane
Concen: 16.249 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Tgt Ion: 83 Resp: 115963
Ion Ratio Lower Upper
83 100
55 68.9 49.1 73.7
98 44.6 40.6 61.0

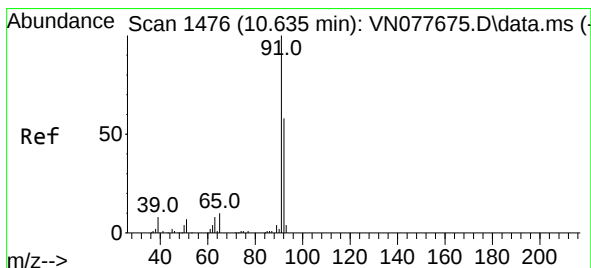
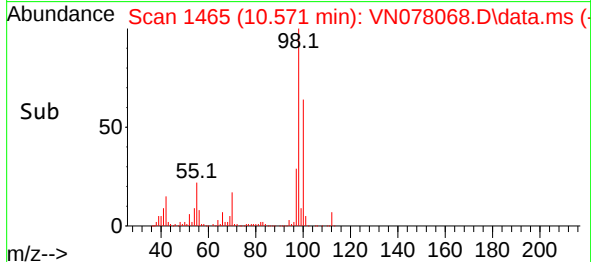
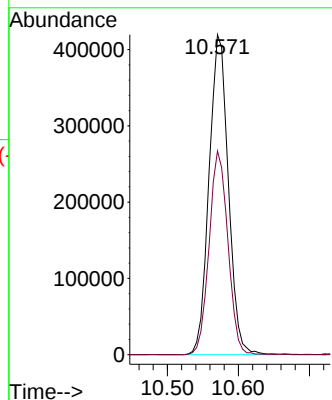
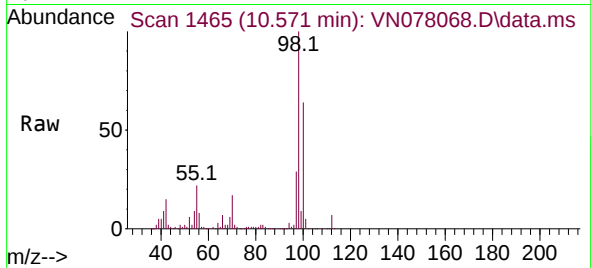




#50
Toluene-d8
Concen: 51.483 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

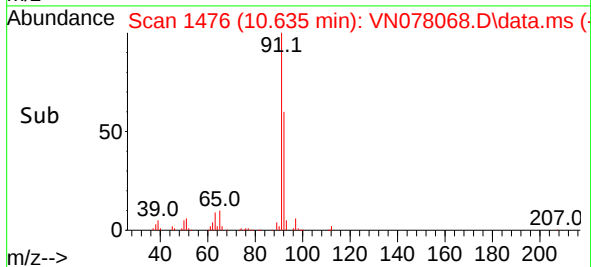
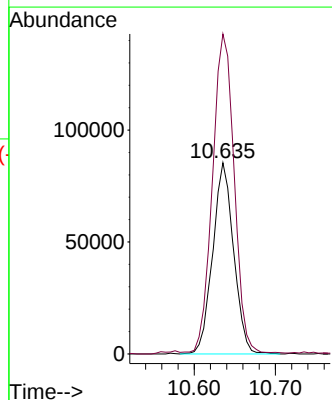
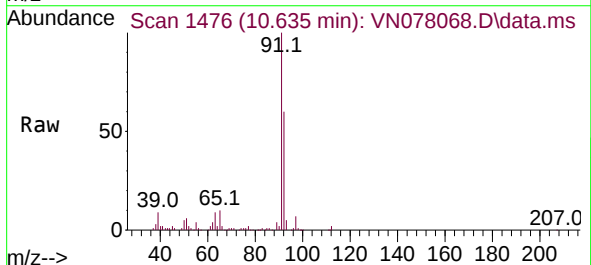
Instrument :
MSVOA_N
ClientSampleId :
WASTE

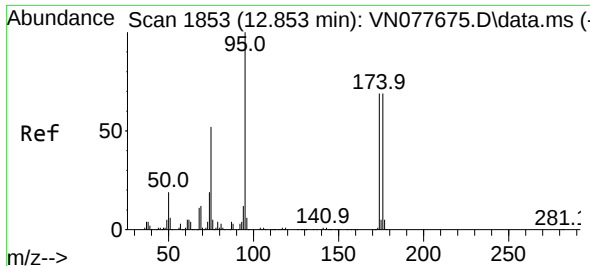
Tgt Ion: 98 Resp: 789736
Ion Ratio Lower Upper
98 100
100 62.1 52.0 78.0



#52
Toluene
Concen: 14.269 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Tgt Ion: 92 Resp: 152807
Ion Ratio Lower Upper
92 100
91 172.7 137.4 206.0

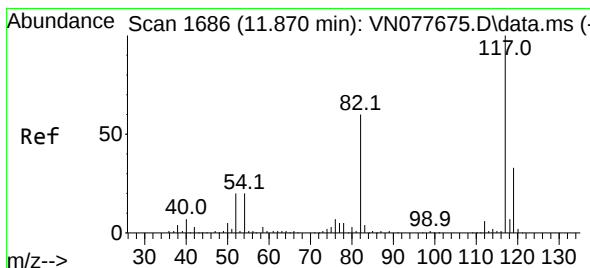
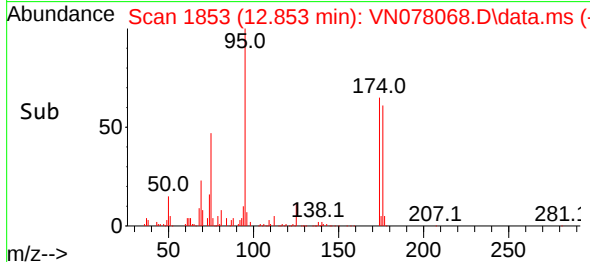
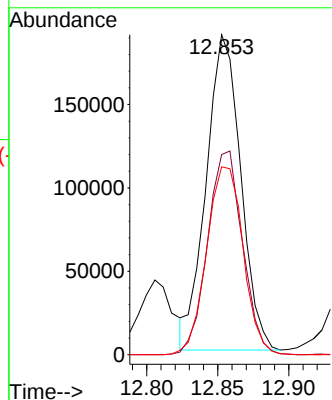
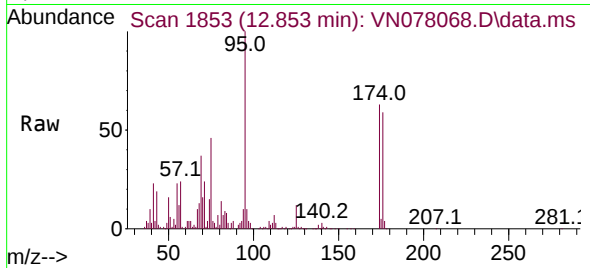




#62
4-Bromofluorobenzene
Concen: 58.983 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

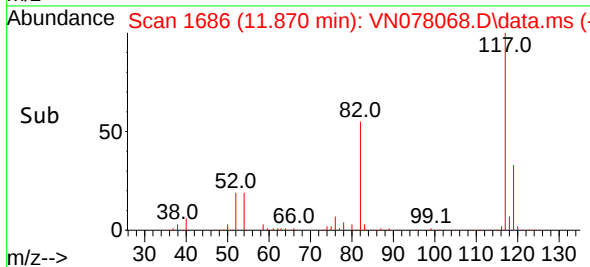
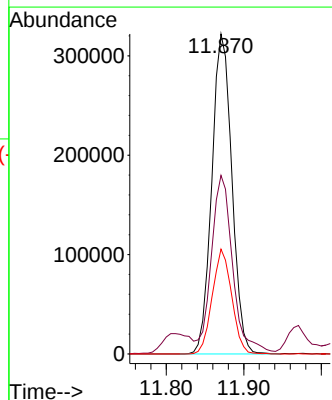
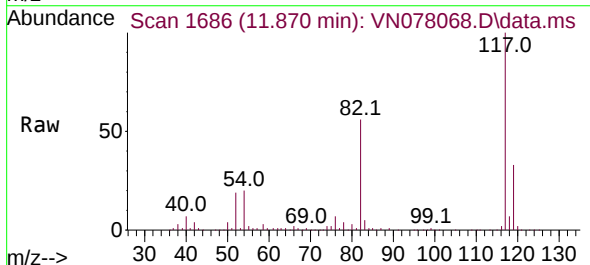
Instrument :
MSVOA_N
ClientSampleId :
WASTE

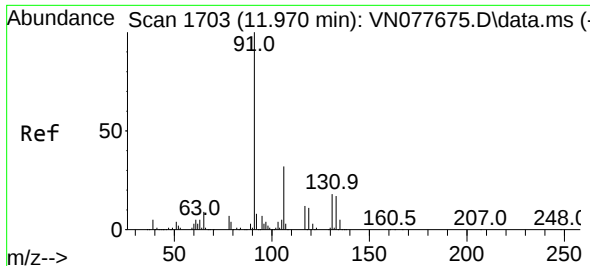
Tgt Ion: 95 Resp: 319552
Ion Ratio Lower Upper
95 100
174 65.4 0.0 143.8
176 63.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Tgt Ion: 117 Resp: 579329
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 32.8 25.6 38.4





#67

Ethyl Benzene

Concen: 31.297 ug/l

RT: 11.970 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078068.D

Acq: 06 Jun 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

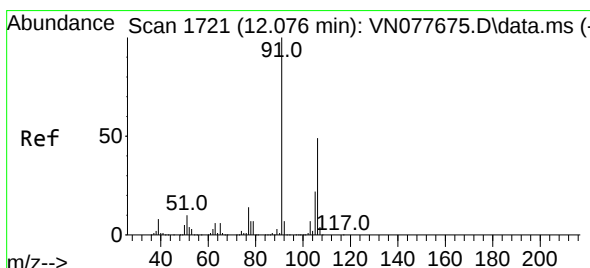
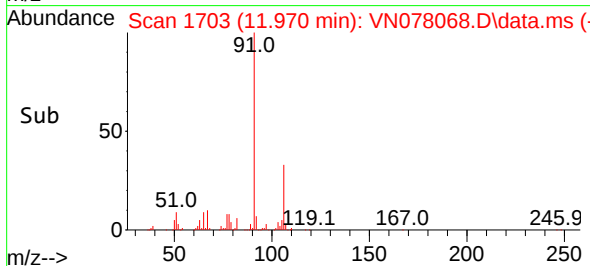
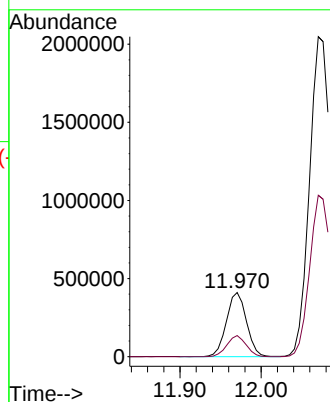
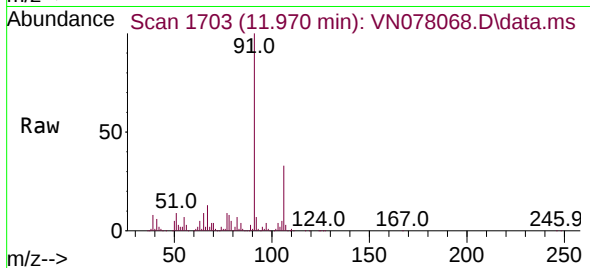
WASTE

Tgt Ion: 91 Resp: 704385

Ion Ratio Lower Upper

91 100

106 33.0 25.6 38.4



#68

m/p-Xylenes

Concen: 227.463 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.006 min

Lab File: VN078068.D

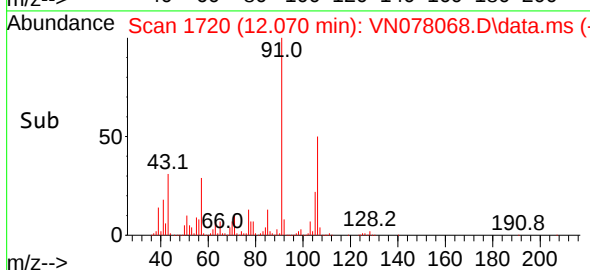
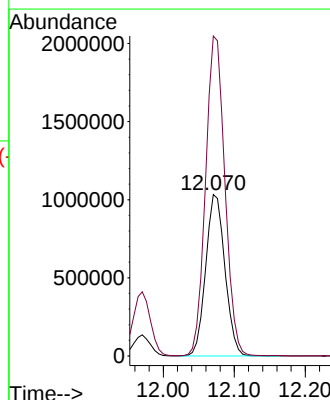
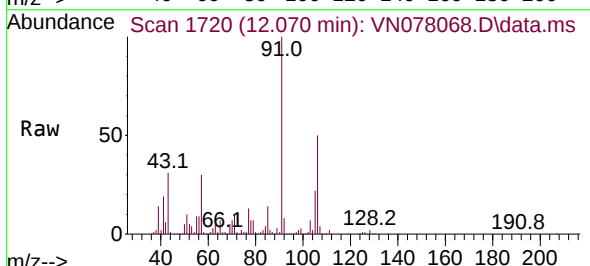
Acq: 06 Jun 2023 14:01

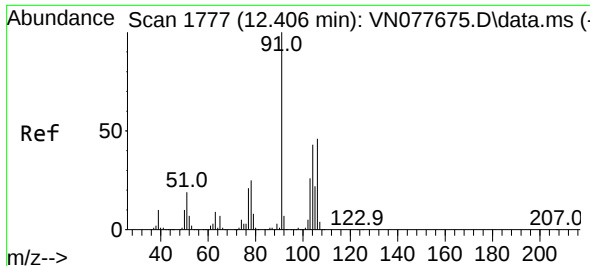
Tgt Ion:106 Resp: 1939799

Ion Ratio Lower Upper

106 100

91 199.9 159.6 239.4

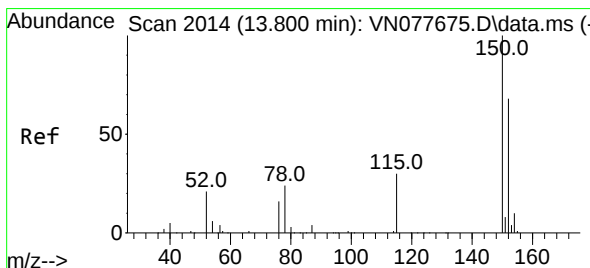
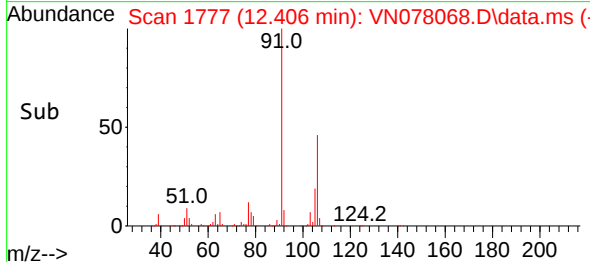
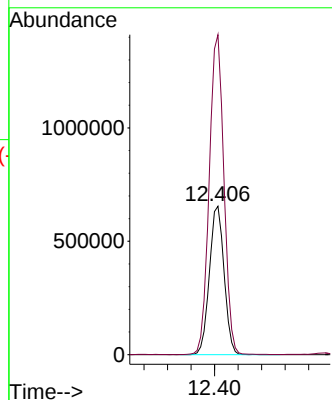
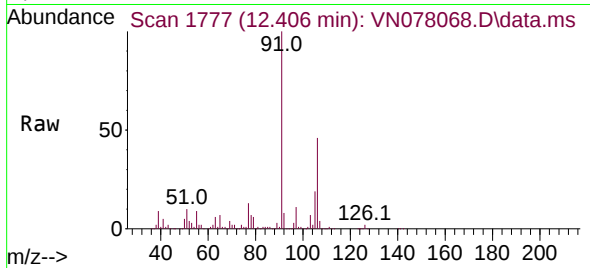




#69
o-Xylene
Concen: 135.032 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

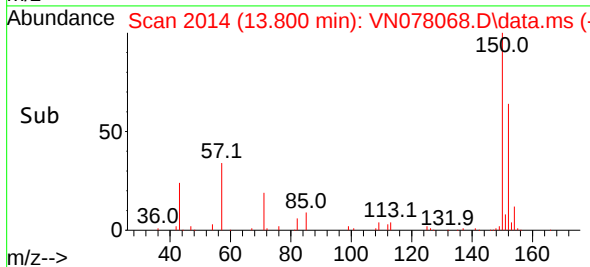
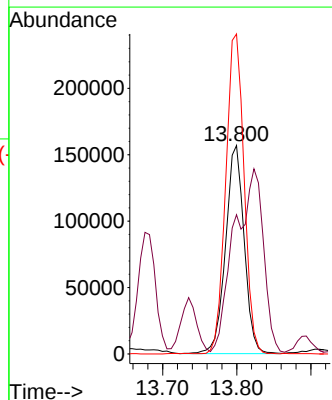
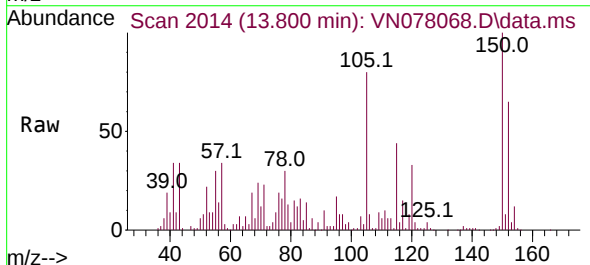
Instrument :
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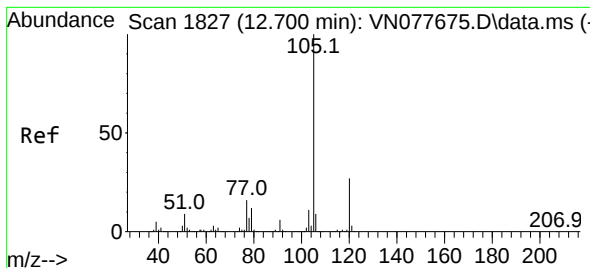
Tgt Ion:106 Resp: 1132487
Ion Ratio Lower Upper
106 100
91 215.8 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Tgt Ion:152 Resp: 272683
Ion Ratio Lower Upper
152 100
115 0.0 32.3 96.8#
150 151.0 0.0 355.8





#73

Isopropylbenzene

Concen: 29.769 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN078068.D

Acq: 06 Jun 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

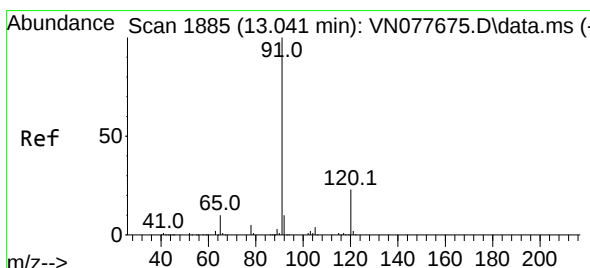
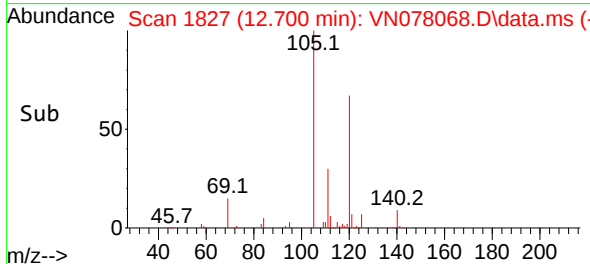
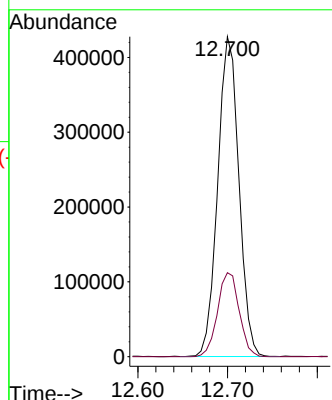
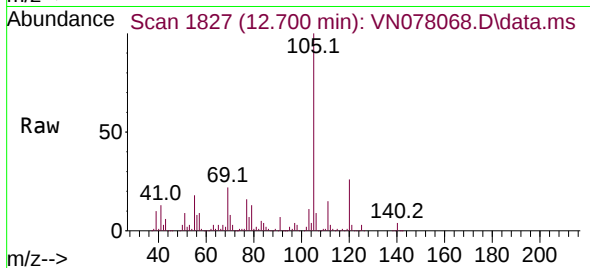
WASTE

Tgt Ion:105 Resp: 699726

Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.1



#78

n-propylbenzene

Concen: 89.917 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN078068.D

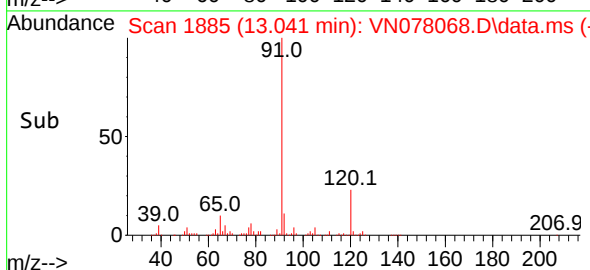
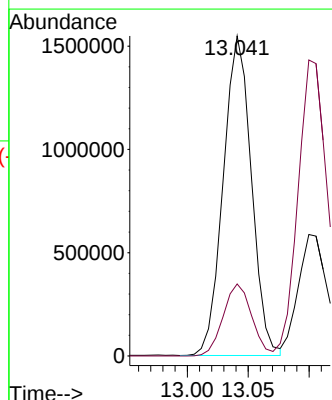
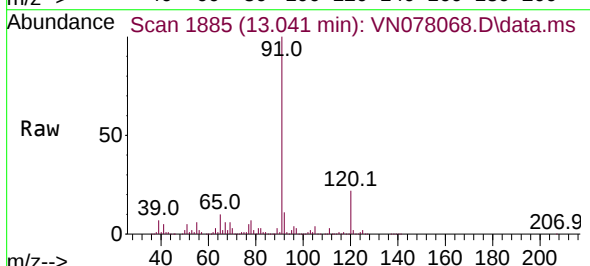
Acq: 06 Jun 2023 14:01

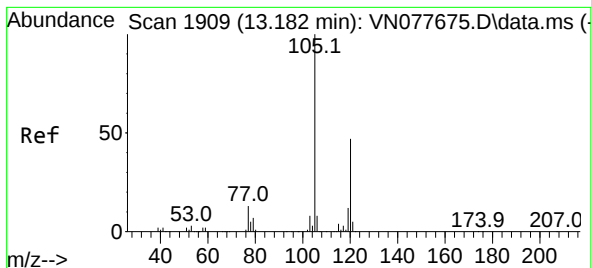
Tgt Ion: 91 Resp: 2491709

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4

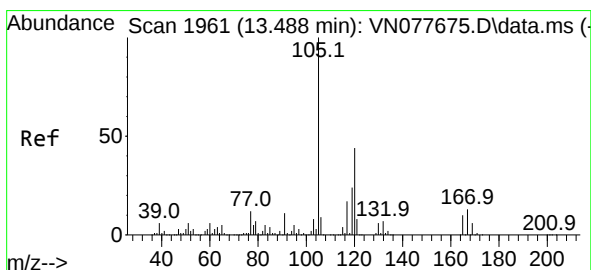
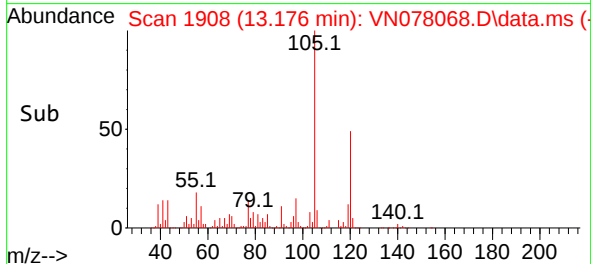
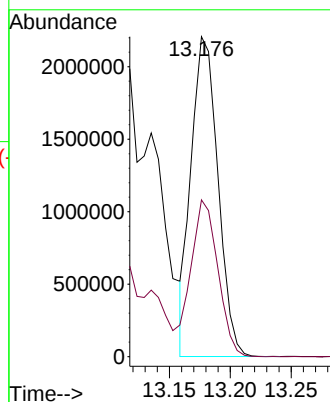
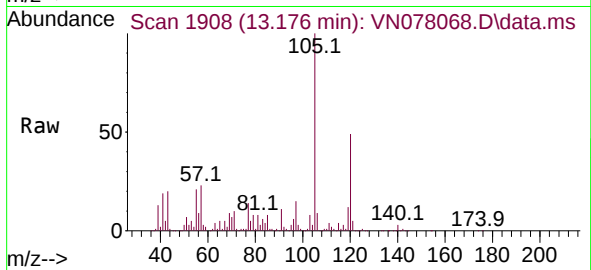




#80
1,3,5-Trimethylbenzene
Concen: 170.382 ug/l
RT: 13.176 min Scan# 1909
Delta R.T. -0.006 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

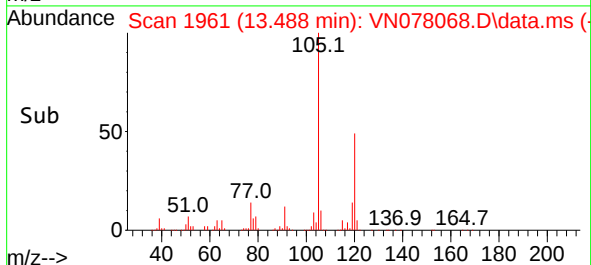
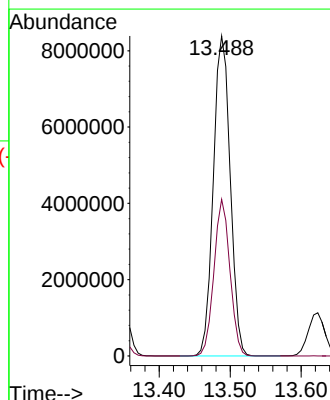
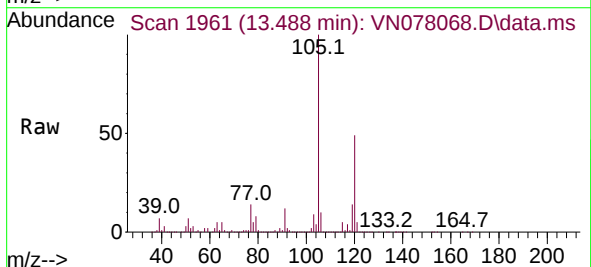
Instrument :
MSVOA_N
ClientSampleId :
WASTE

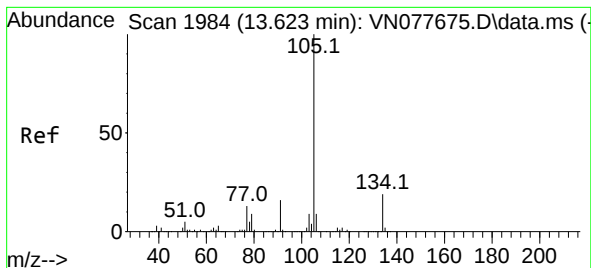
Tgt Ion:105 Resp: 3365956
Ion Ratio Lower Upper
105 100
120 50.5 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 712.832 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Tgt Ion:105 Resp:13849665
Ion Ratio Lower Upper
105 100
120 46.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 75.330 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078068.D

Acq: 06 Jun 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

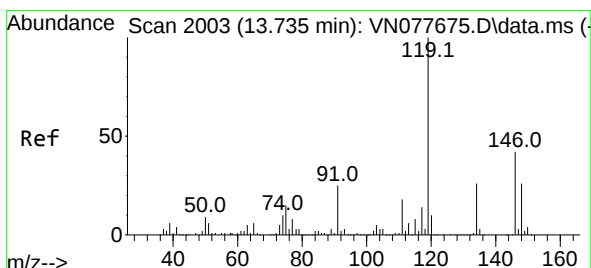
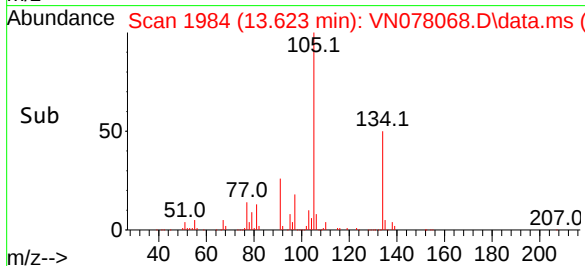
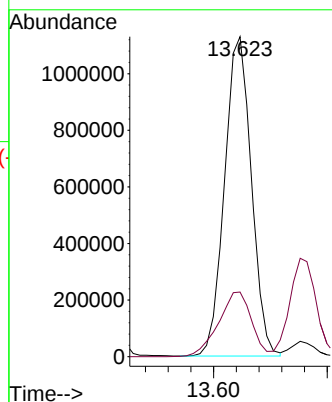
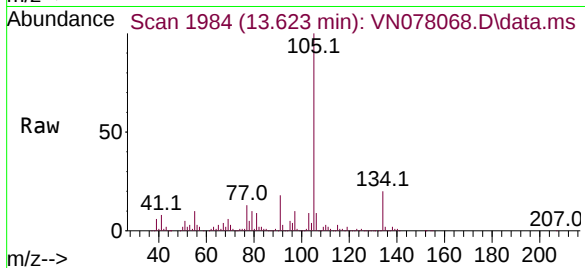
WASTE

Tgt Ion:105 Resp: 1846332

Ion Ratio Lower Upper

105 100

134 24.9 9.8 29.3



#86

p-Isopropyltoluene

Concen: 40.752 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078068.D

Acq: 06 Jun 2023 14:01

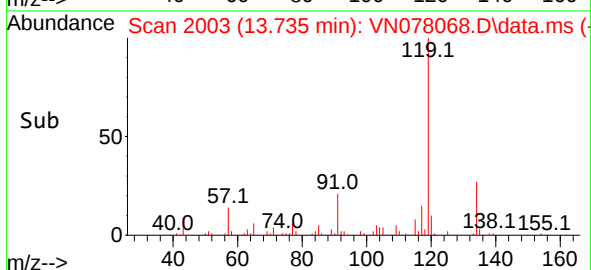
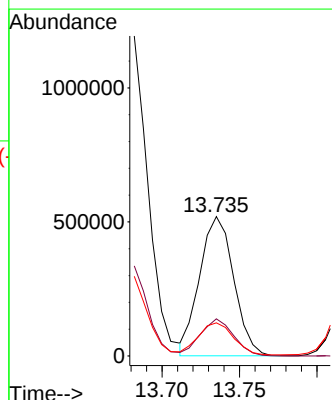
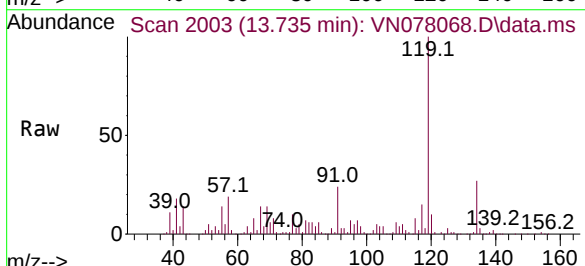
Tgt Ion:119 Resp: 796294

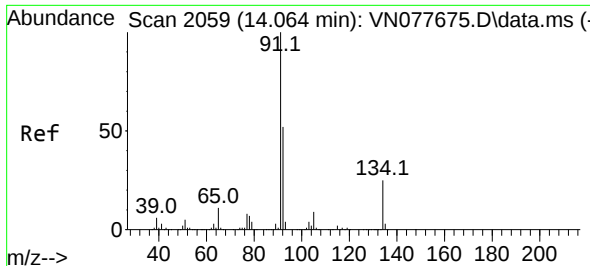
Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

91 23.4 12.4 37.2

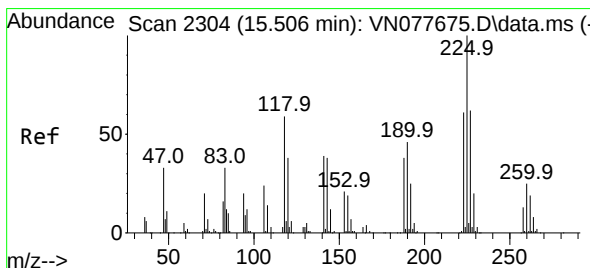
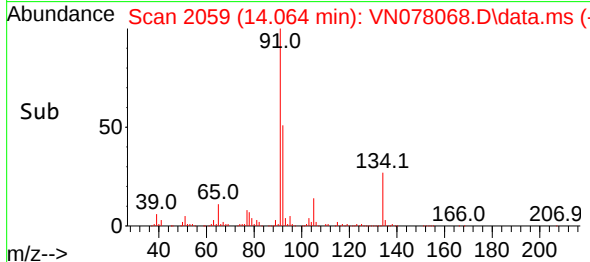
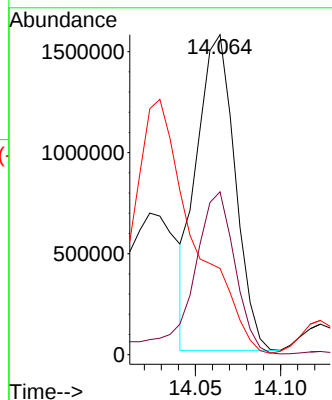
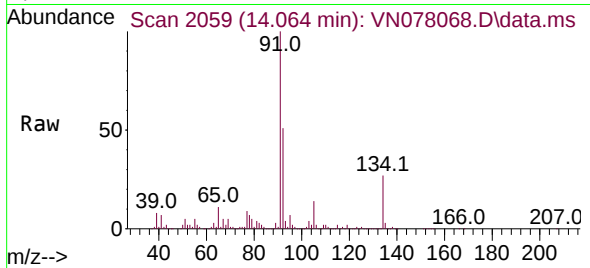




#89
n-Butylbenzene
Concen: 135.504 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

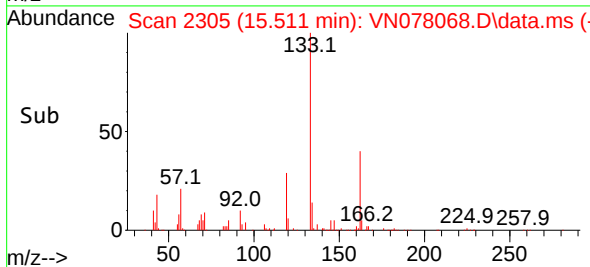
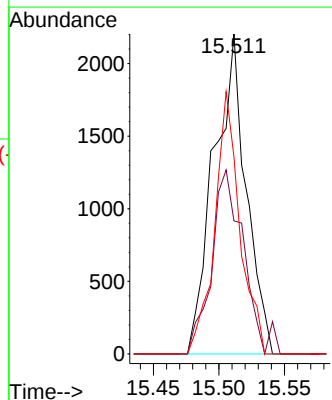
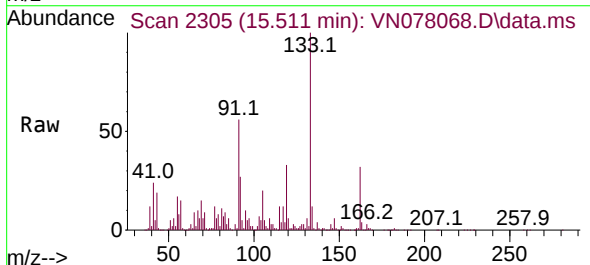
Instrument :
MSVOA_N
ClientSampleId :
WASTE

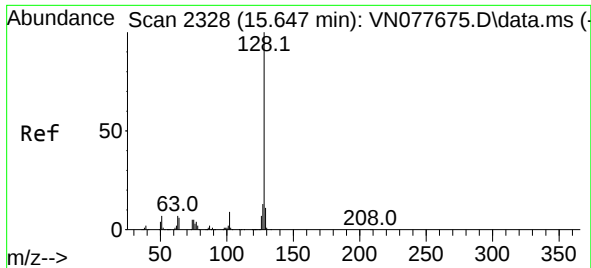
Tgt Ion: 91 Resp: 2435363
Ion Ratio Lower Upper
91 100
92 55.5 26.4 79.0
134 0.0 12.6 37.6#



#94
Hexachlorobutadiene
Concen: 1.673 ug/l
RT: 15.511 min Scan# 2305
Delta R.T. 0.005 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Tgt Ion: 225 Resp: 3761
Ion Ratio Lower Upper
225 100
223 57.3 31.3 93.8
227 63.7 31.9 95.9





#95
Naphthalene
Concen: 110.323 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078068.D
Acq: 06 Jun 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
WASTE

Tgt Ion:128 Resp: 2056501
Ion Ratio Lower Upper
128 100
127 14.4 10.0 15.0
129 7.9 8.7 13.1#

