

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060623\
 Data File : VN078069.D
 Acq On : 06 Jun 2023 14:38
 Operator : JC\MD
 Sample : 02907-01DL 5X
 Misc : 5.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTEDL

Quant Time: Jun 07 01:21:39 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)

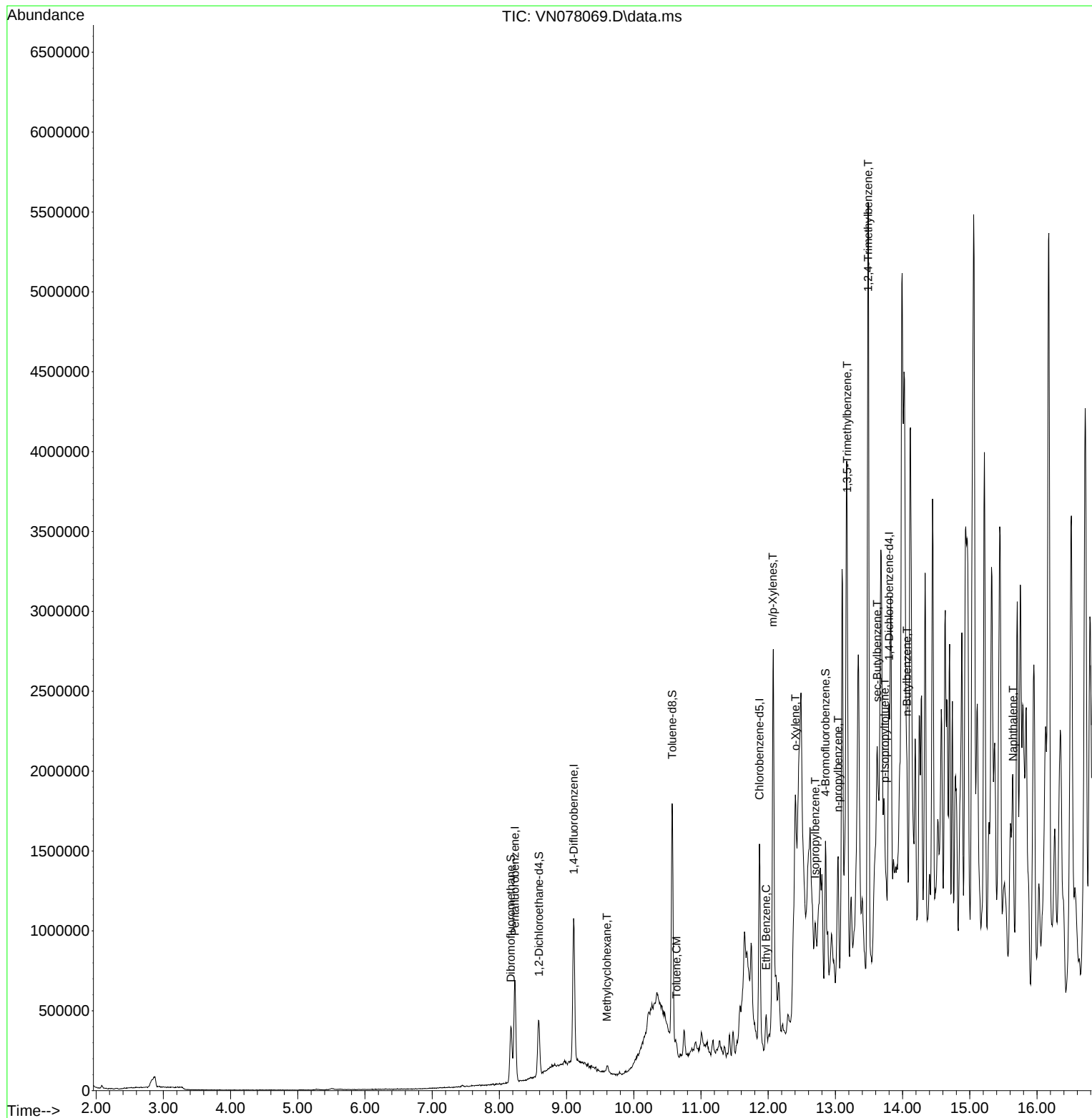
Internal Standards						
1) Pentafluorobenzene	8.230	168	458709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	824383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	787028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	303126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	289162	42.131	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.260%
35) Dibromofluoromethane	8.171	113	257926	47.980	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.960%
50) Toluene-d8	10.571	98	1043362	50.425	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.840%
62) 4-Bromofluorobenzene	12.853	95	346030	47.351	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.700%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.600	83	26481	2.751	ug/l #	87
52) Toluene	10.635	92	35348	2.447	ug/l	84
67) Ethyl Benzene	11.970	91	158516	5.184	ug/l	95
68) m/p-Xylenes	12.070	106	416793	35.976	ug/l	98
69) o-Xylene	12.406	106	260342	22.850	ug/l	92
73) Isopropylbenzene	12.700	105	175780	6.727	ug/l	96
78) n-propylbenzene	13.041	91	523339	16.989	ug/l	81
80) 1,3,5-Trimethylbenzene	13.176	105	675769	30.771	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	2812444	130.217	ug/l	98
85) sec-Butylbenzene	13.623	105	485258	17.810	ug/l	98
86) p-Isopropyltoluene	13.735	119	185223	8.527	ug/l	96
89) n-Butylbenzene	14.064	91	490430	24.547	ug/l #	83
95) Naphthalene	15.647	128	427564	20.634	ug/l #	89

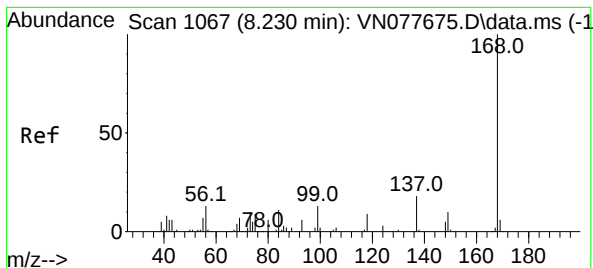
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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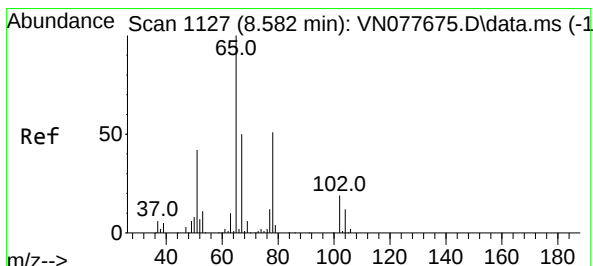
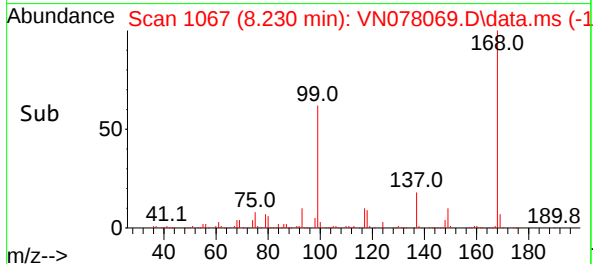
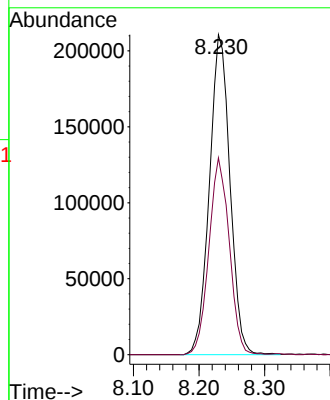
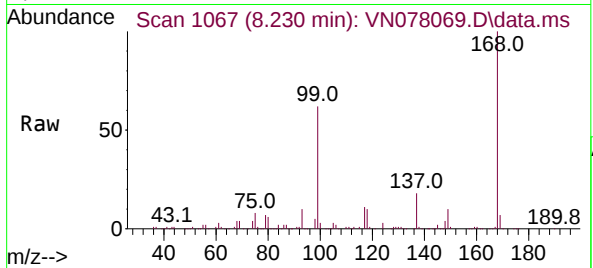




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

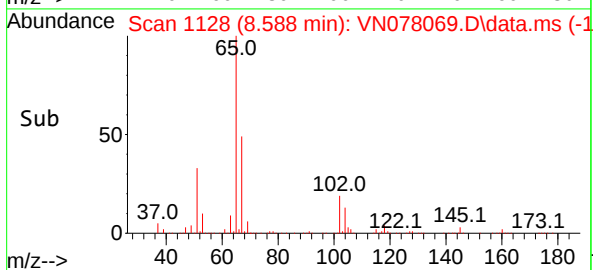
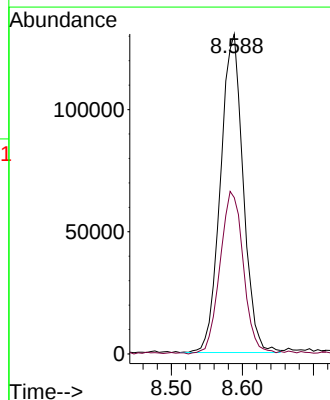
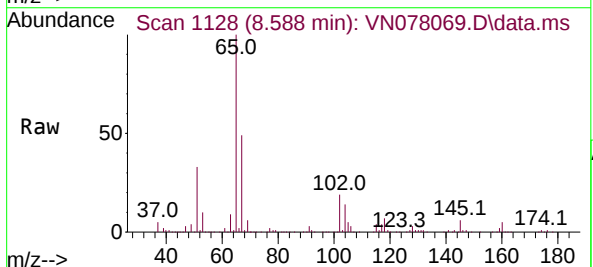
Instrument :
MSVOA_N
ClientSampleId :
WASTEDL

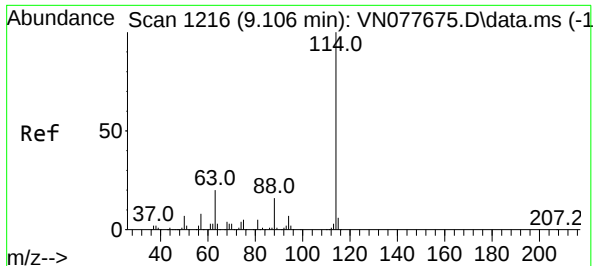
Tgt Ion:168 Resp: 458709
Ion Ratio Lower Upper
168 100
99 61.5 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 42.131 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Tgt Ion: 65 Resp: 289162
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6

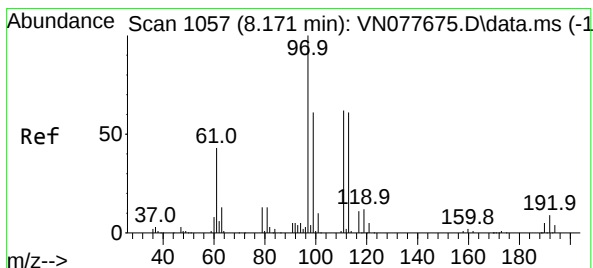
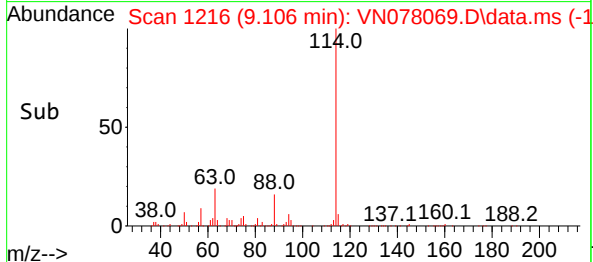
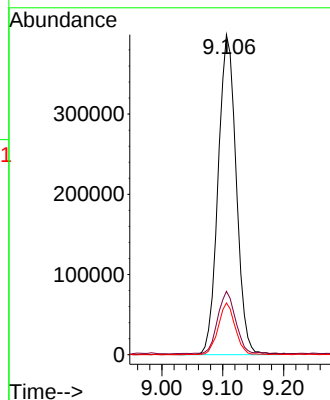
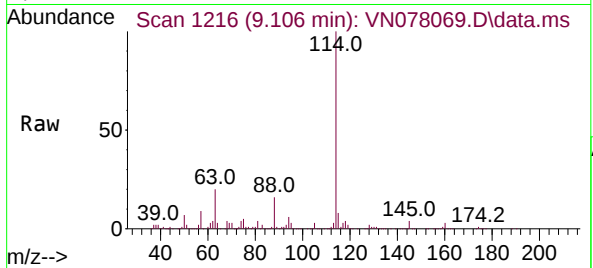




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

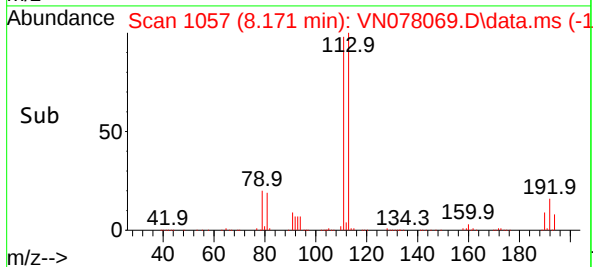
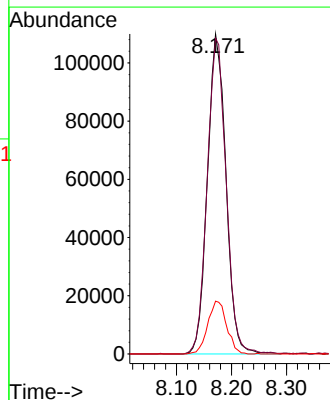
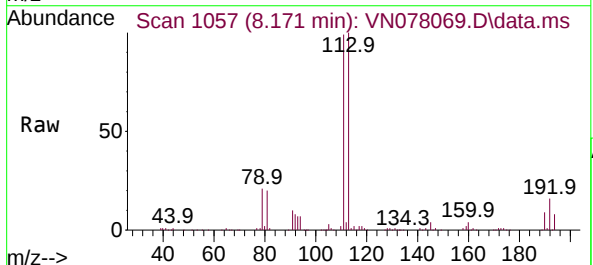
Instrument :
MSVOA_N
ClientSampleId :
WASTEDL

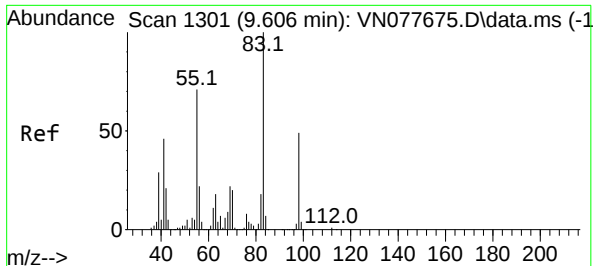
Tgt Ion:114 Resp: 824383
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.980 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Tgt Ion:113 Resp: 257926
Ion Ratio Lower Upper
113 100
111 100.9 82.6 123.8
192 16.8 12.7 19.1





#39

Methylcyclohexane

Concen: 2.751 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078069.D

Acq: 06 Jun 2023 14:38

Instrument :

MSVOA_N

ClientSampleId :

WASTEDL

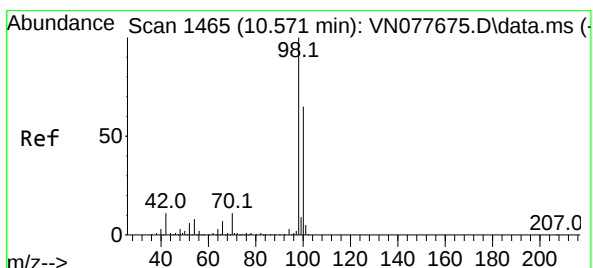
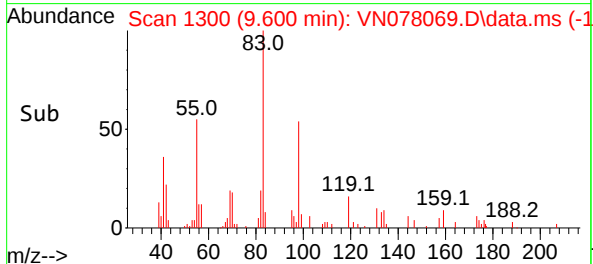
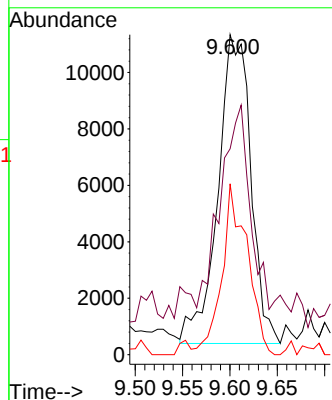
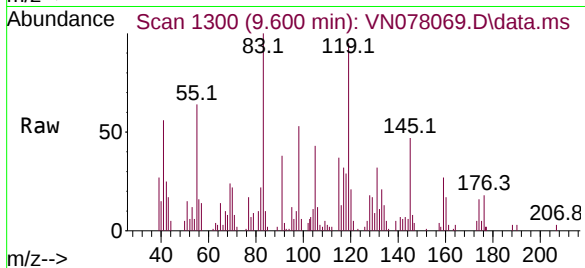
Tgt Ion: 83 Resp: 26481

Ion Ratio Lower Upper

83 100

55 47.4 49.1 73.7#

98 55.4 40.6 61.0



#50

Toluene-d8

Concen: 50.425 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078069.D

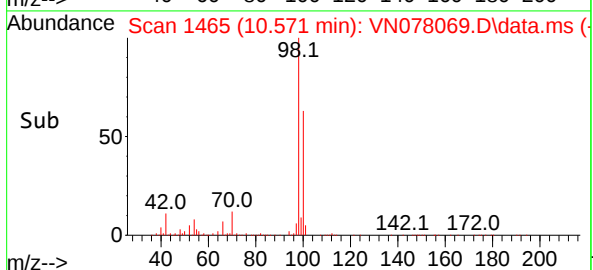
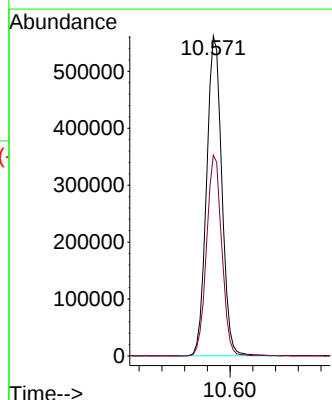
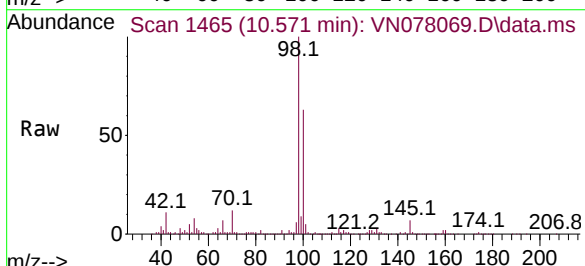
Acq: 06 Jun 2023 14:38

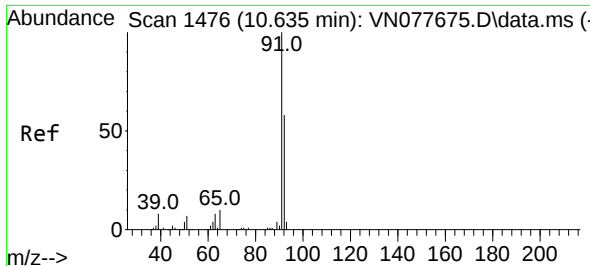
Tgt Ion: 98 Resp: 1043362

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0

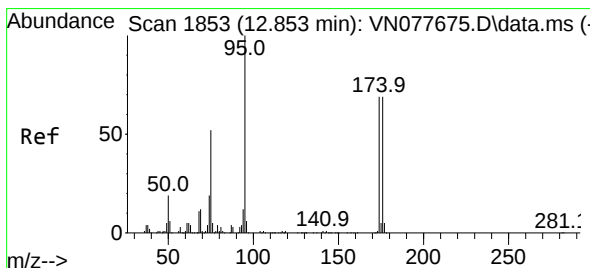
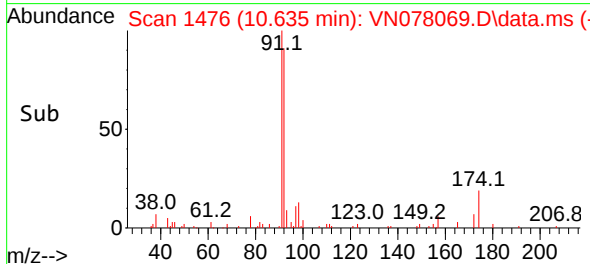
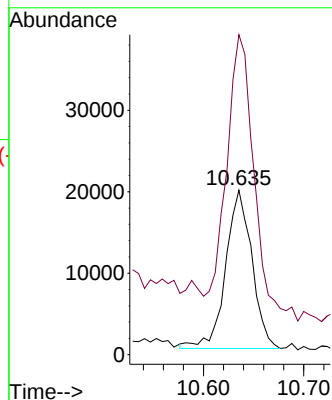
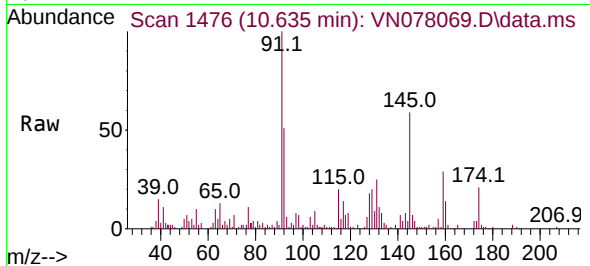




#52
Toluene
Concen: 2.447 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

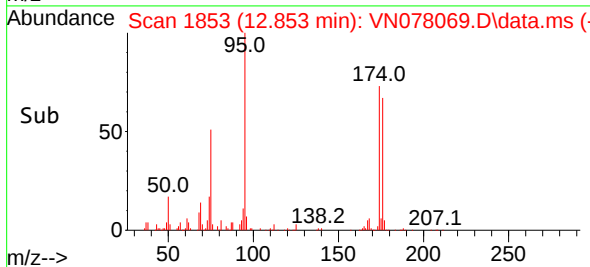
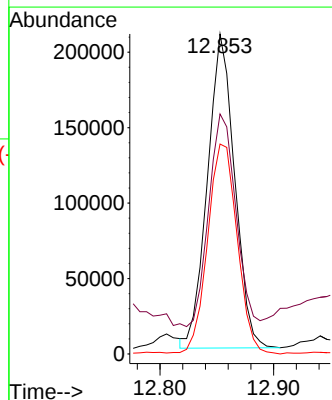
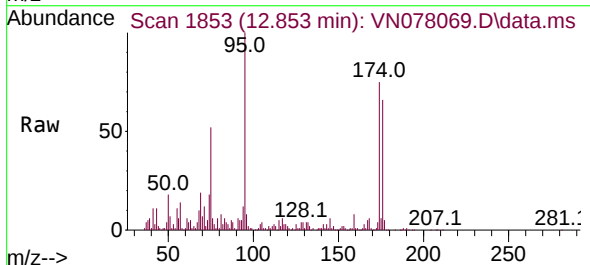
Instrument :
MSVOA_N
ClientSampleId :
WASTEDL

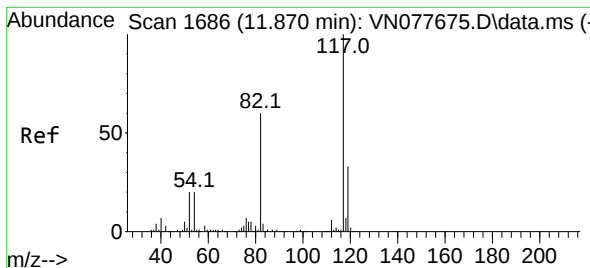
Tgt Ion: 92 Resp: 35348
Ion Ratio Lower Upper
92 100
91 193.4 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 47.351 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Tgt Ion: 95 Resp: 346030
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 72.7 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: VN078069.D

Acq: 06 Jun 2023 14:38

Instrument :

MSVOA_N

ClientSampleId :

WASTEDL

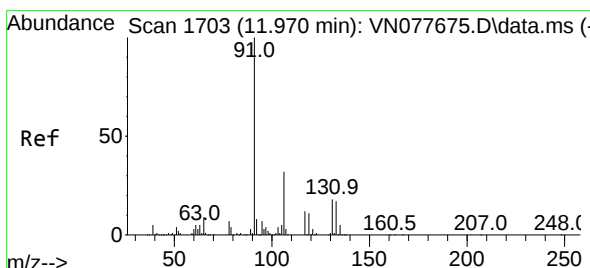
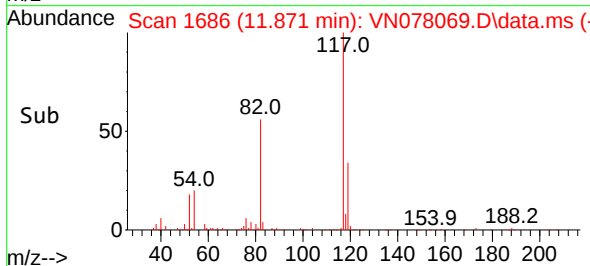
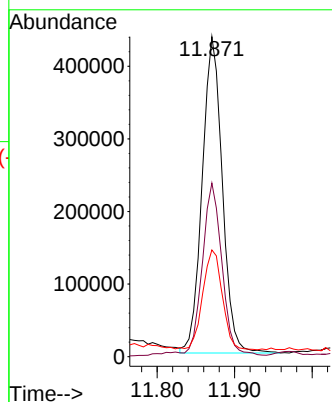
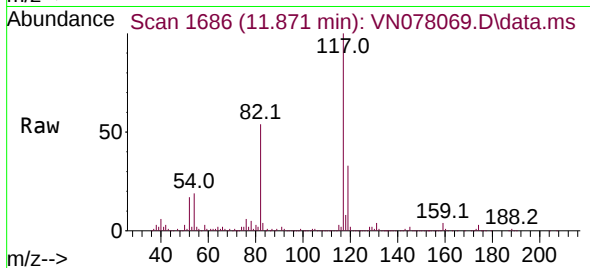
Tgt Ion:117 Resp: 787028

Ion Ratio Lower Upper

117 100

82 53.7 44.0 66.0

119 31.4 25.6 38.4



#67

Ethyl Benzene

Concen: 5.184 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VN078069.D

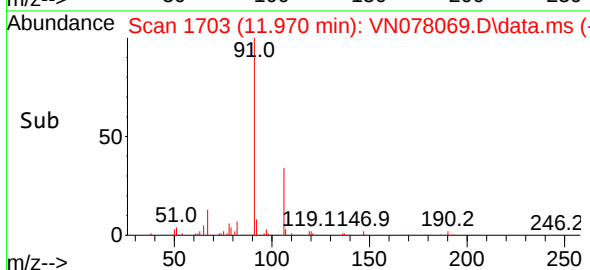
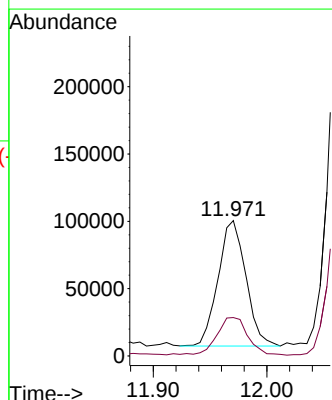
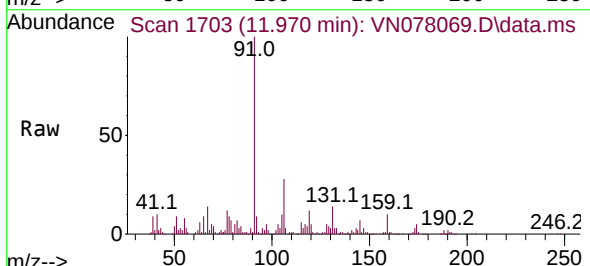
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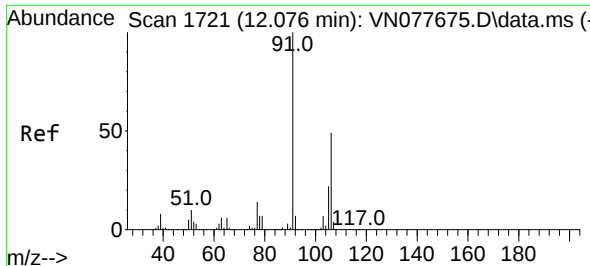
Tgt Ion: 91 Resp: 158516

Ion Ratio Lower Upper

91 100

106 29.4 25.6 38.4

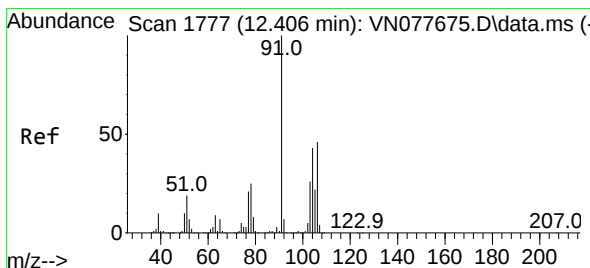
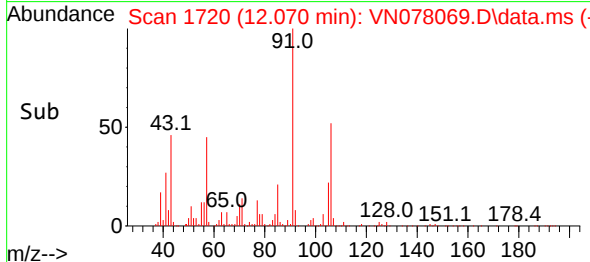
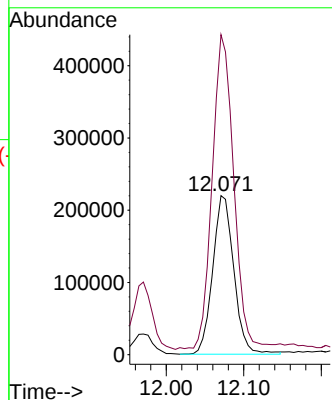
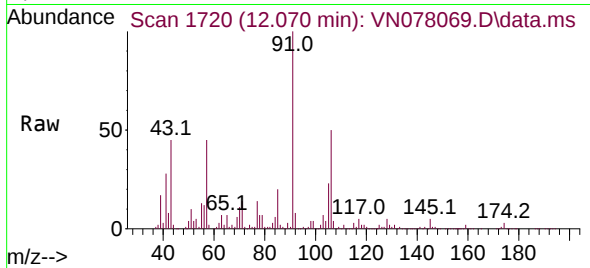




#68
m/p-Xylenes
Concen: 35.976 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

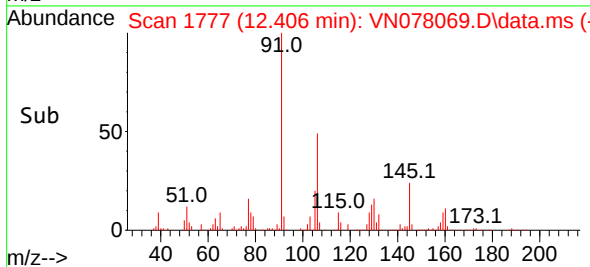
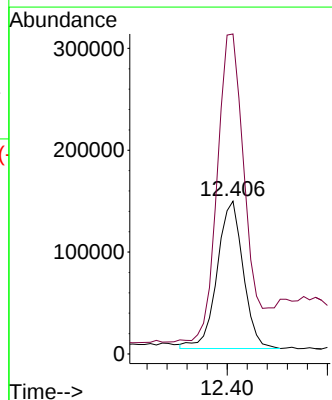
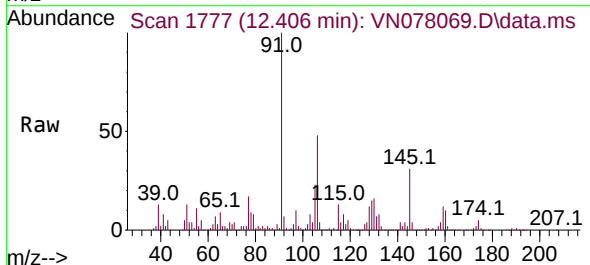
Instrument :
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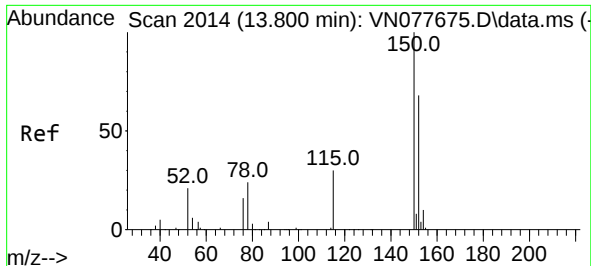
Tgt Ion:106 Resp: 416793
Ion Ratio Lower Upper
106 100
91 202.9 159.6 239.4



#69
o-Xylene
Concen: 22.850 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Tgt Ion:106 Resp: 260342
Ion Ratio Lower Upper
106 100
91 222.1 105.2 315.5

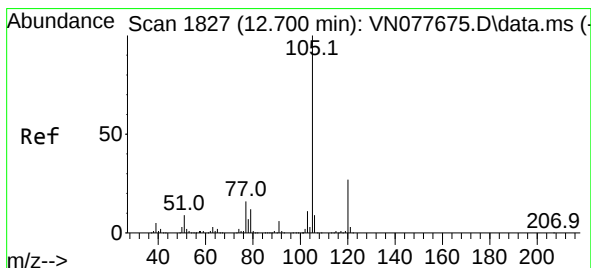
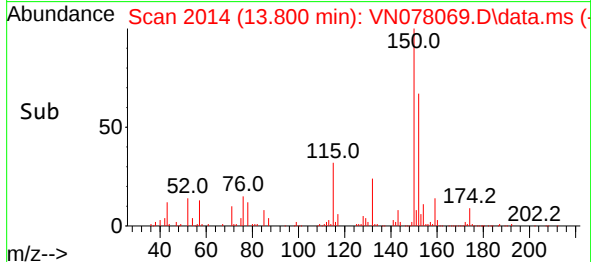
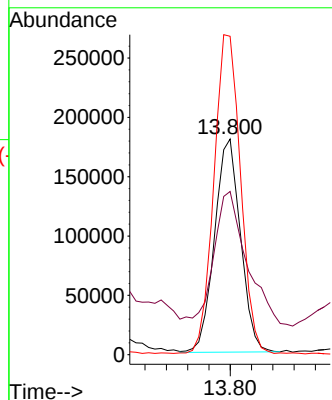
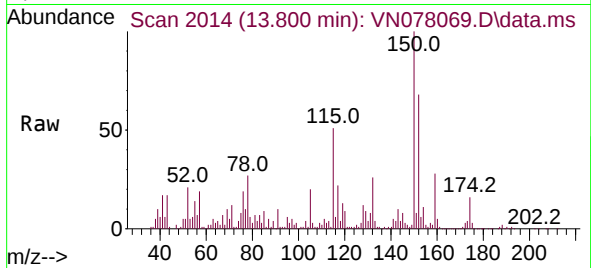




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

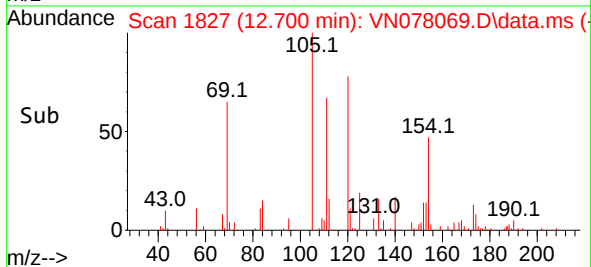
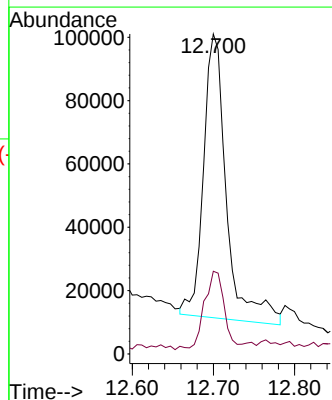
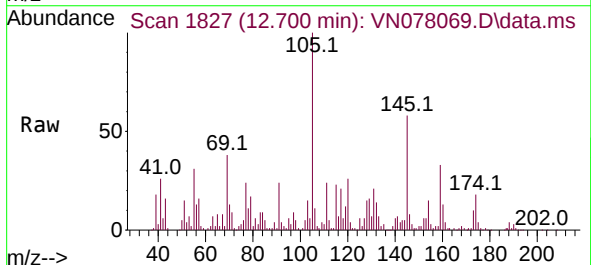
Instrument :
MSVOA_N
ClientSampleId :
WASTEDL

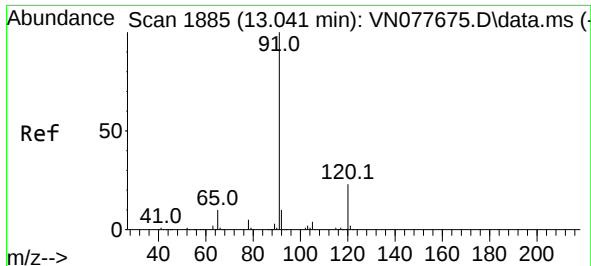
Tgt Ion:152 Resp: 303126
Ion Ratio Lower Upper
152 100
115 83.9 32.3 96.8
150 153.4 0.0 355.8



#73
Isopropylbenzene
Concen: 6.727 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Tgt Ion:105 Resp: 175780
Ion Ratio Lower Upper
105 100
120 24.3 13.1 39.1

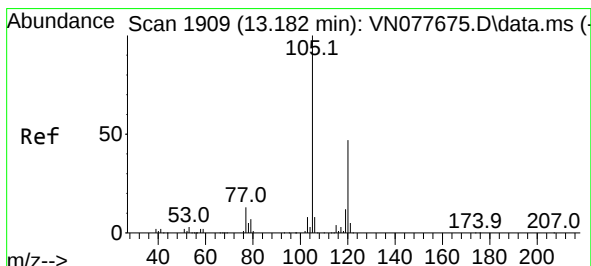
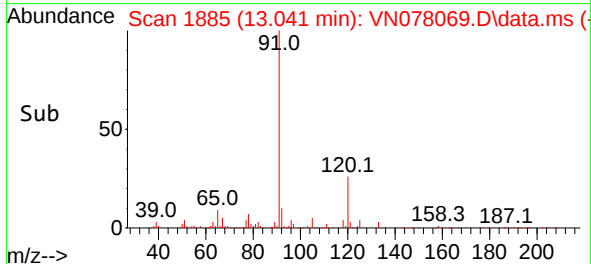
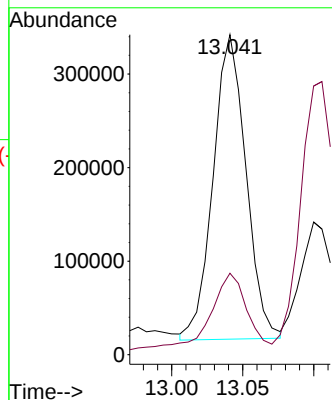
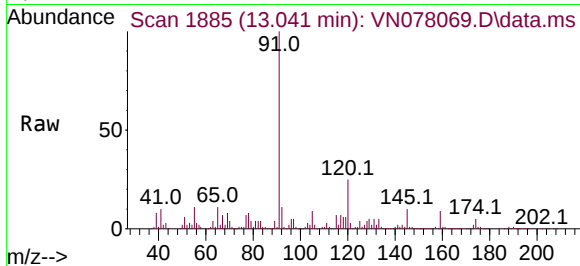




#78
n-propylbenzene
Concen: 16.989 ug/l
RT: 13.041 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

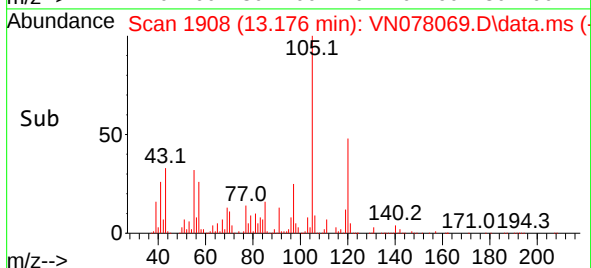
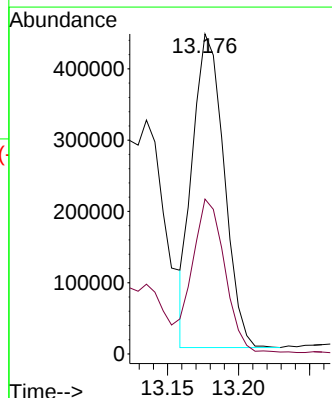
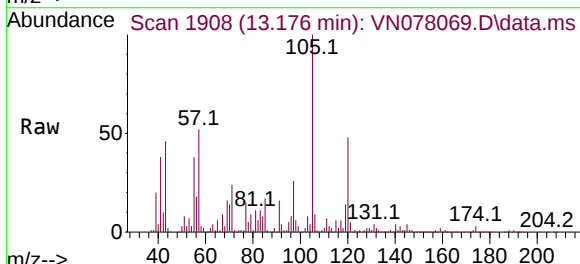
Instrument :
MSVOA_N
ClientSampleId :
WASTEDL

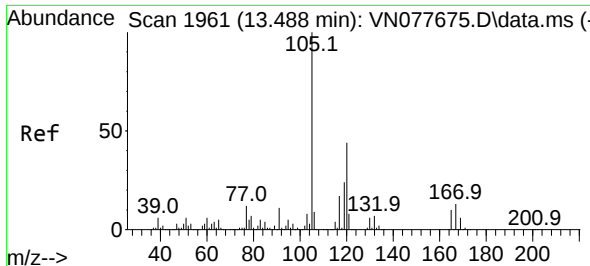
Tgt Ion: 91 Resp: 523339
Ion Ratio Lower Upper
91 100
120 32.3 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 30.771 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Tgt Ion: 105 Resp: 675769
Ion Ratio Lower Upper
105 100
120 51.6 24.1 72.3

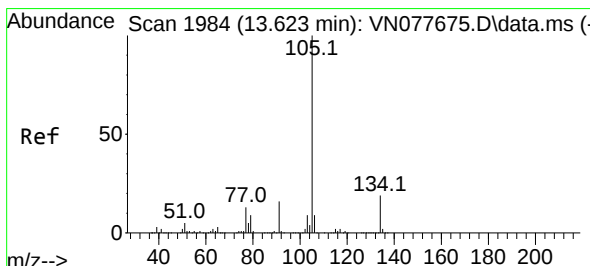
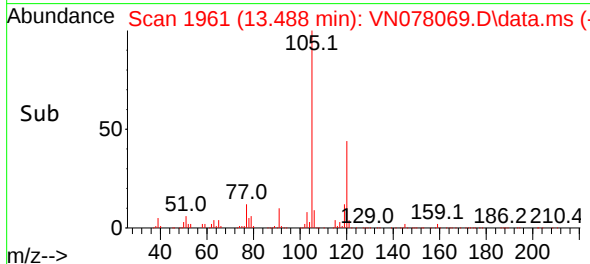
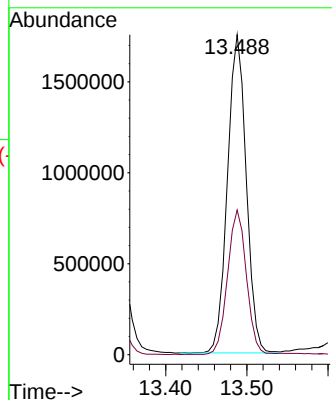
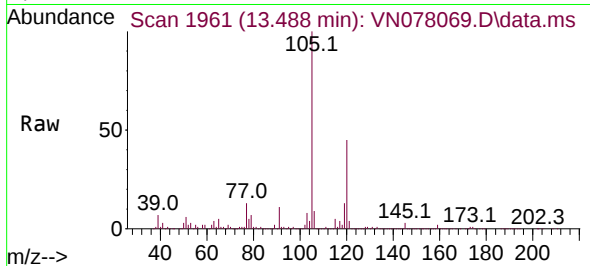




#84
1,2,4-Trimethylbenzene
Concen: 130.217 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

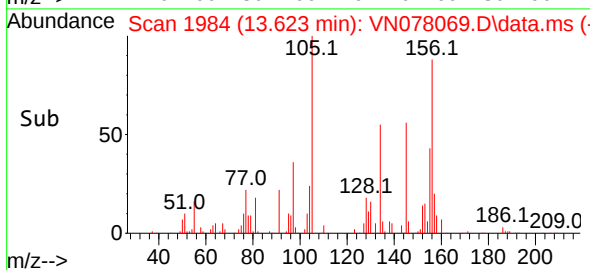
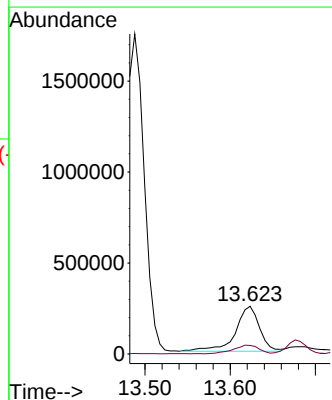
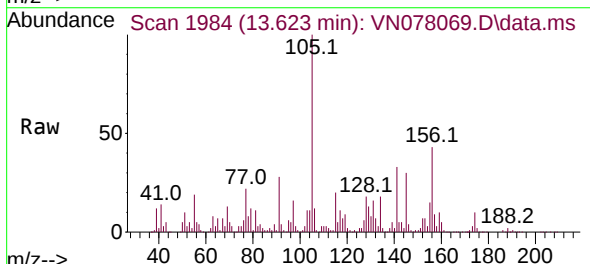
Instrument :
MSVOA_N
ClientSampleId :
WASTEDL

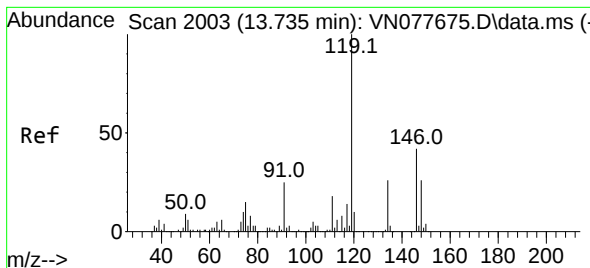
Tgt Ion:105 Resp: 2812444
Ion Ratio Lower Upper
105 100
120 45.4 22.0 66.0



#85
sec-Butylbenzene
Concen: 17.810 ug/l
RT: 13.623 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Tgt Ion:105 Resp: 485258
Ion Ratio Lower Upper
105 100
134 20.2 9.8 29.3





#86

p-Isopropyltoluene

Concen: 8.527 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078069.D

Acq: 06 Jun 2023 14:38

Instrument :

MSVOA_N

ClientSampleId :

WASTEDL

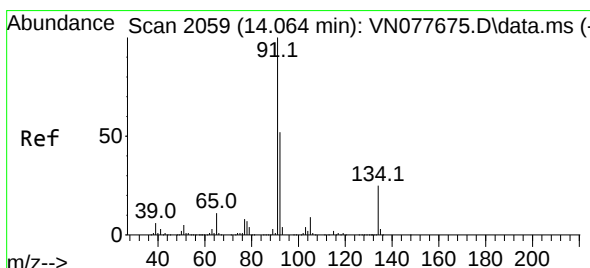
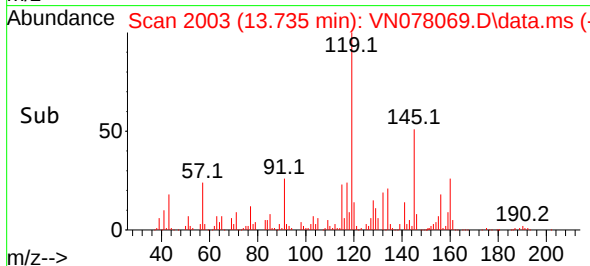
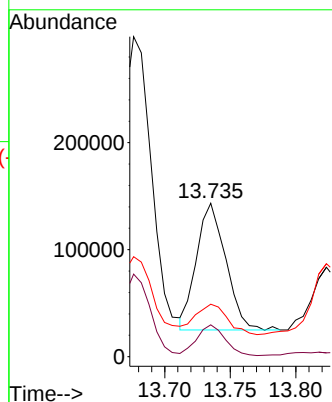
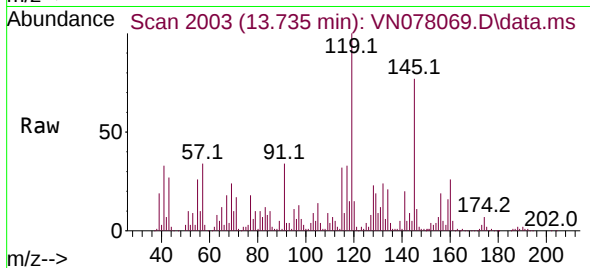
Tgt Ion:119 Resp: 185223

Ion Ratio Lower Upper

119 100

134 22.9 12.6 37.8

91 26.0 12.4 37.2



#89

n-Butylbenzene

Concen: 24.547 ug/l

RT: 14.064 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VN078069.D

Acq: 06 Jun 2023 14:38

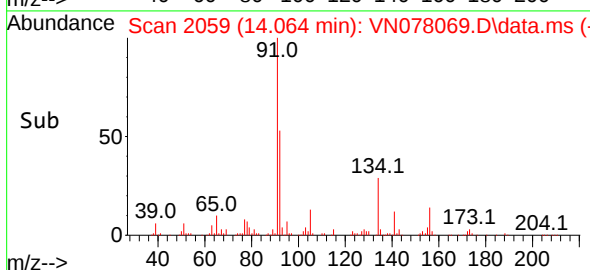
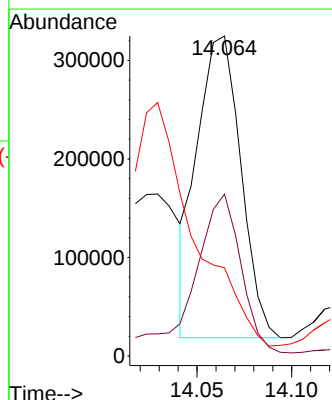
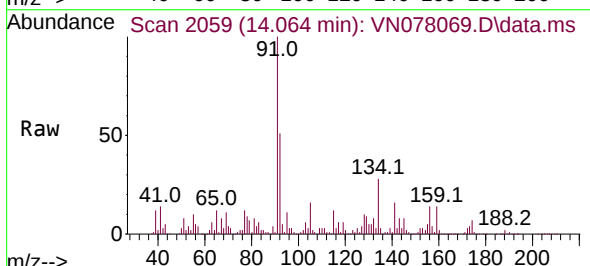
Tgt Ion: 91 Resp: 490430

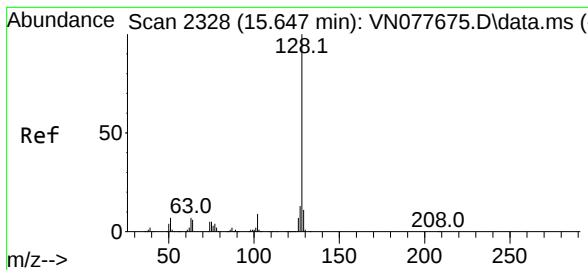
Ion Ratio Lower Upper

91 100

92 53.7 26.4 79.0

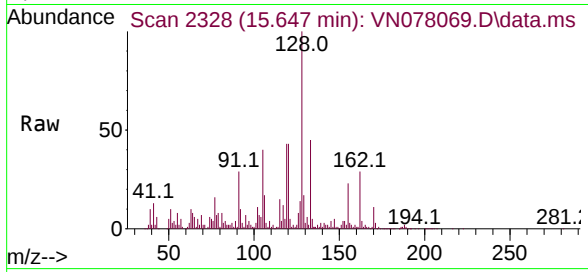
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 20.634 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078069.D
Acq: 06 Jun 2023 14:38

Instrument :
MSVOA_N
ClientSampleId :
WASTEDL



Tgt Ion:128 Resp: 427564

Ion	Ratio	Lower	Upper
128	100		
127	17.5	10.0	15.0#
129	7.4	8.7	13.1#

