

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070093.D
 Acq On : 15 Dec 2021 1:12
 Operator : JC/MD
 Sample : M5011-01 10X
 Misc : 5.81g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HSB-1-(9-9.5)

Quant Time: Dec 15 05:28:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

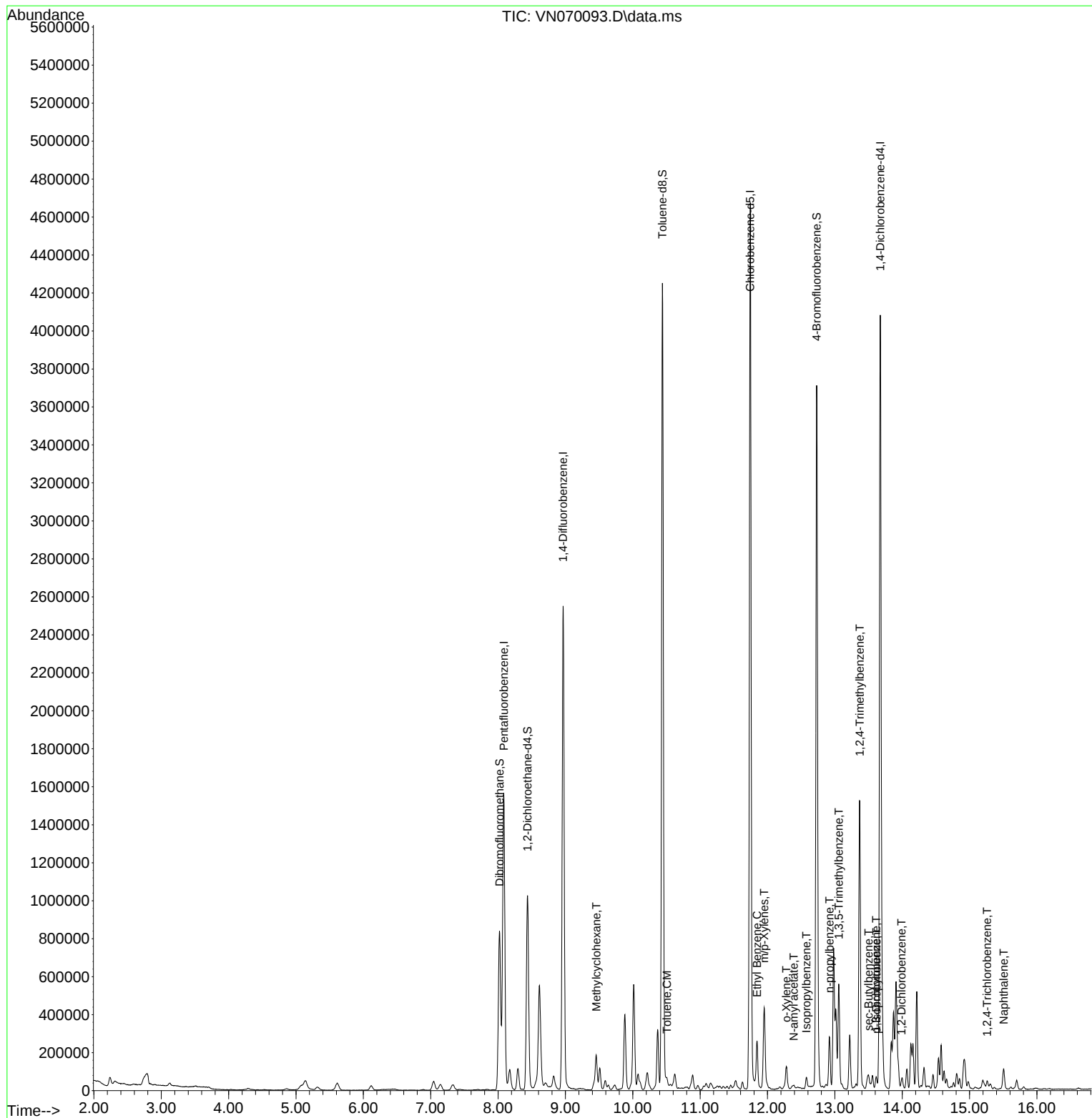
Internal Standards						
1) Pentafluorobenzene	8.086	168	1114306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2137212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2554859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1074564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	887688	51.595	ug/l	0.00
Spiked Amount 50.000	Range	61 - 141	Recovery	=	103.200%	
35) Dibromofluoromethane	8.021	113	614172	45.878	ug/l	0.00
Spiked Amount 50.000	Range	69 - 133	Recovery	=	91.760%	
50) Toluene-d8	10.440	98	2883534	53.644	ug/l	0.00
Spiked Amount 50.000	Range	65 - 126	Recovery	=	107.280%	
62) 4-Bromofluorobenzene	12.731	95	1293536	66.425	ug/l	0.00
Spiked Amount 50.000	Range	58 - 135	Recovery	=	132.840%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.459	83	26146	1.080	ug/l #	64
52) Toluene	10.507	92	16082	0.424	ug/l	93
67) Ethyl Benzene	11.846	91	174372	1.852	ug/l	94
68) m/p-Xylenes	11.950	106	123776	3.611	ug/l	90
69) o-Xylene	12.280	106	29284	0.848	ug/l	89
73) Isopropylbenzene	12.578	105	39734	0.416	ug/l	100
74) N-amyl acetate	12.390	43	14422	0.341	ug/l	92
78) n-propylbenzene	12.921	91	222723	2.093	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	291467	3.788	ug/l	97
84) 1,2,4-Trimethylbenzene	13.369	105	889799	12.142	ug/l	97
85) sec-Butylbenzene	13.501	105	40490	0.438	ug/l #	68
86) p-Isopropyltoluene	13.619	119	22452	0.311	ug/l	98
87) 1,3-Dichlorobenzene	13.613	146	7657	0.208	ug/l	94
91) 1,2-Dichlorobenzene	13.989	146	8036	0.224	ug/l	91
93) 1,2,4-Trichlorobenzene	15.263	180	13336	3.591	ug/l	95
95) Naphthalene	15.507	128	96959	5.684	ug/l	98

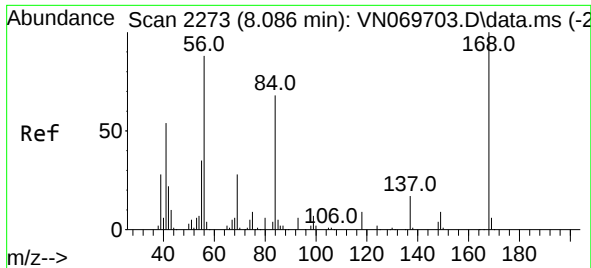
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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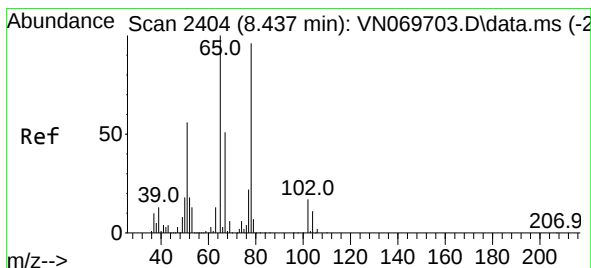
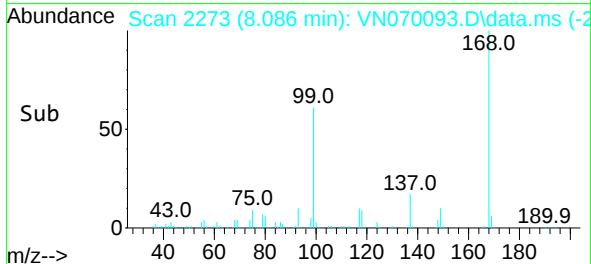
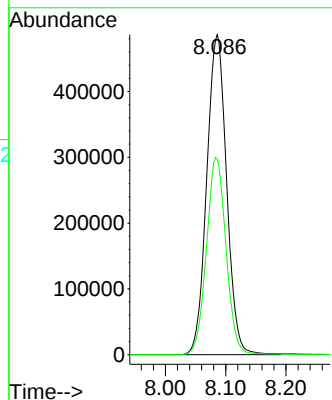
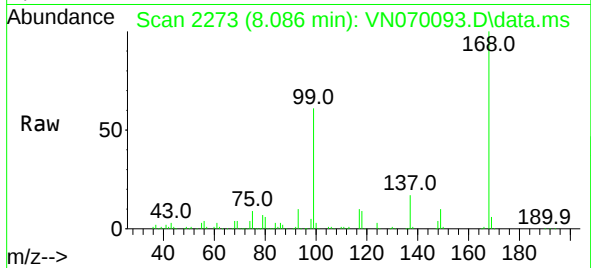




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

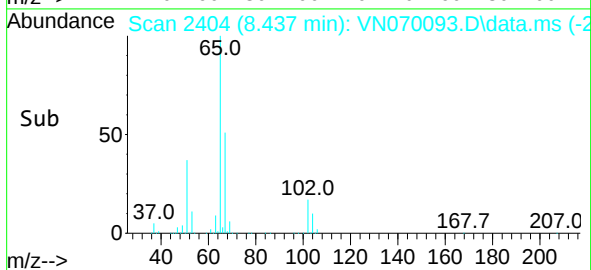
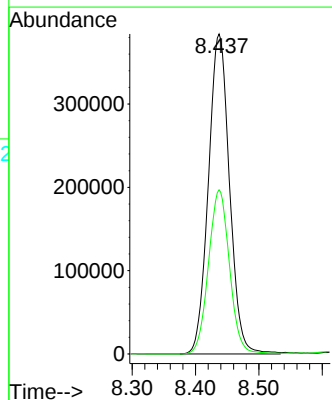
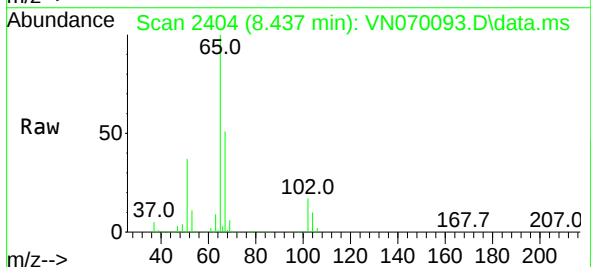
Instrument :
MSVOA_N
ClientSampleId :
HSB-1-(9-9.5)

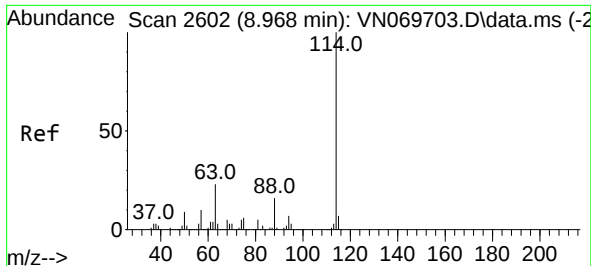
Tgt Ion:168 Resp: 1114306
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#33
1,2-Dichloroethane-d4
Concen: 51.595 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

Tgt Ion: 65 Resp: 887688
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0

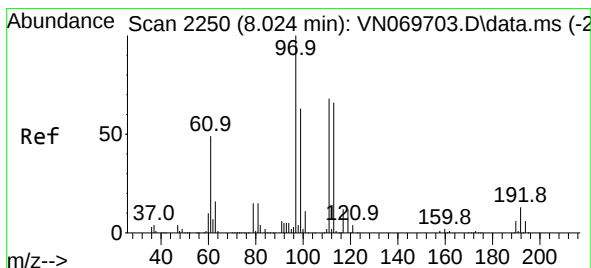
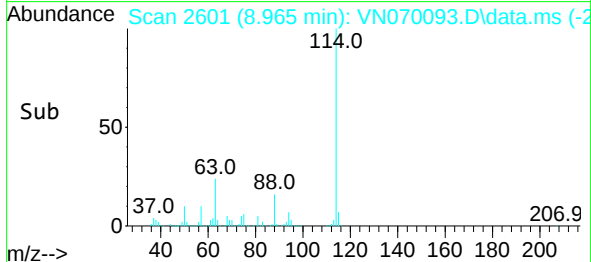
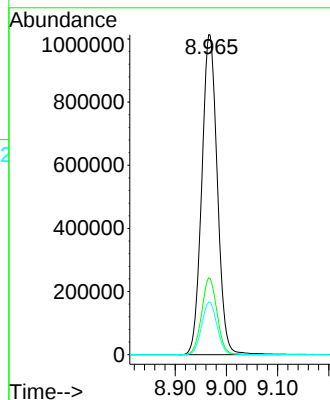
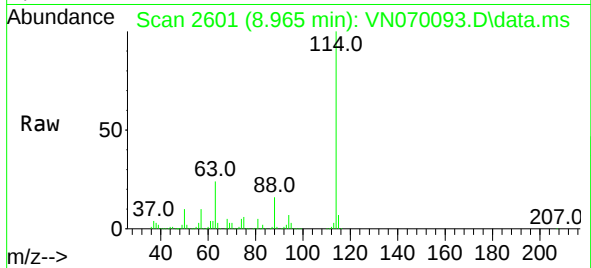




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

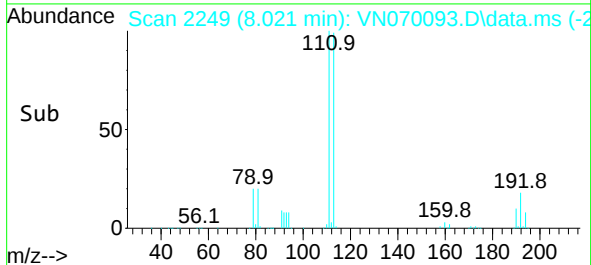
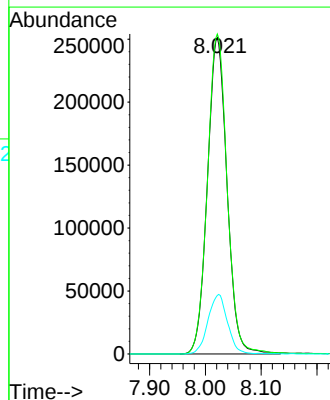
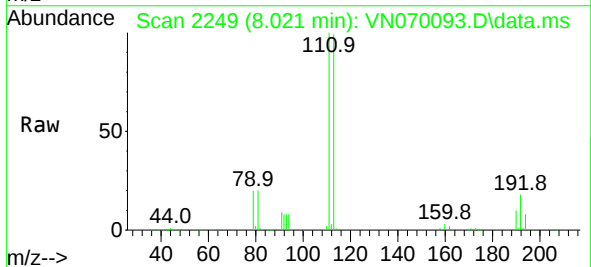
Instrument :
 MSVOA_N
 ClientSampleId :
 HSB-1-(9-9.5)

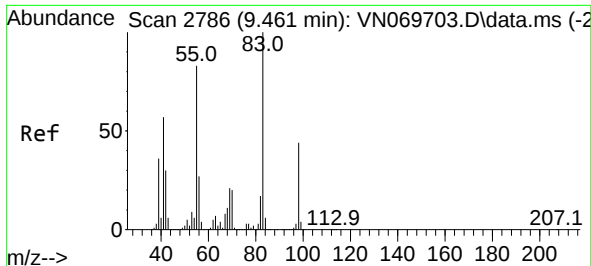
Tgt Ion:114 Resp: 2137212
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 37.8
 88 16.4 0.0 27.4



#35
 Dibromofluoromethane
 Concen: 45.878 ug/l
 RT: 8.021 min Scan# 2249
 Delta R.T. -0.003 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

Tgt Ion:113 Resp: 614172
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.2
 192 18.7 16.9 25.3

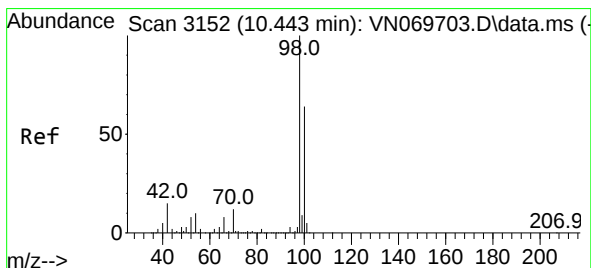
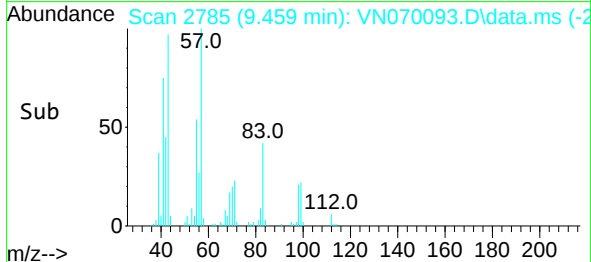
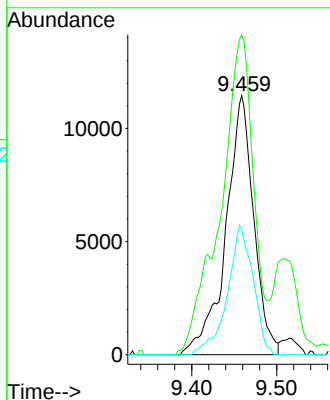
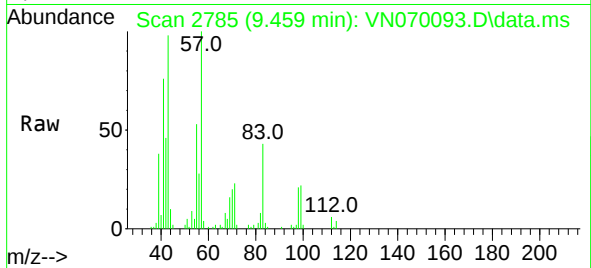




#39
Methylcyclohexane
Concen: 1.080 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

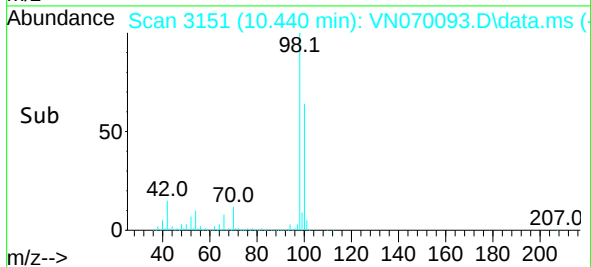
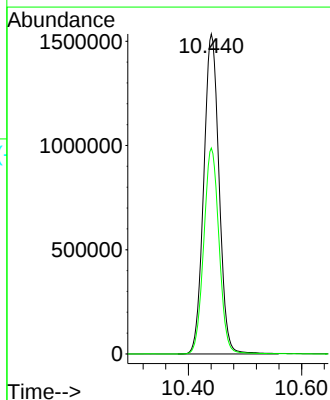
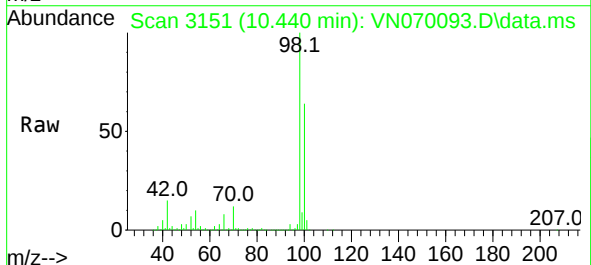
Instrument :
MSVOA_N
ClientSampleId :
HSB-1-(9-9.5)

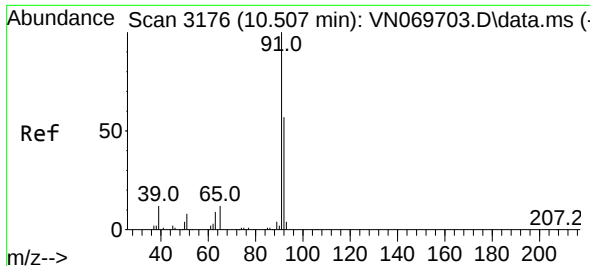
Tgt Ion: 83 Resp: 26146
Ion Ratio Lower Upper
83 100
55 122.2 58.1 87.1#
98 48.4 38.4 57.6



#50
Toluene-d8
Concen: 53.644 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

Tgt Ion: 98 Resp: 2883534
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6

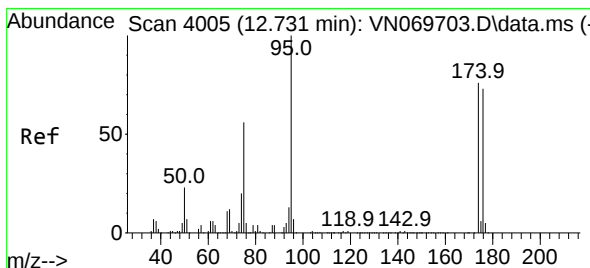
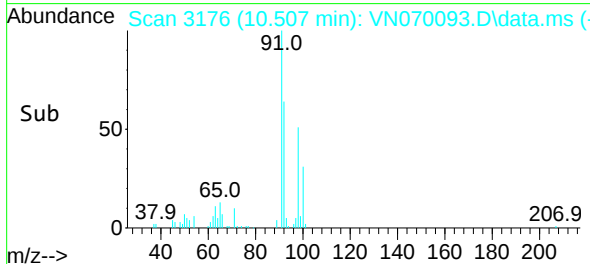
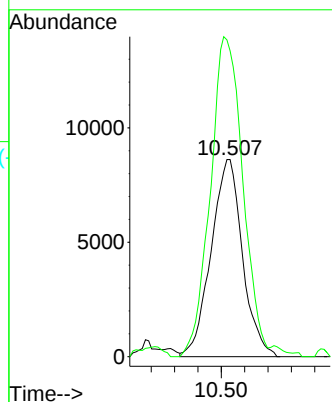
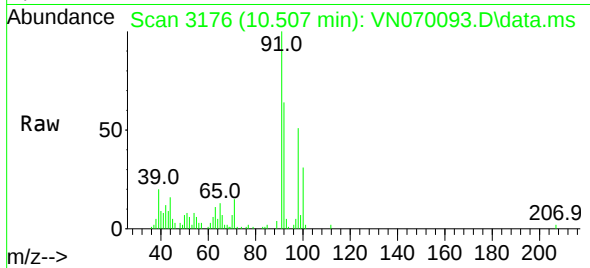




#52
Toluene
Concen: 0.424 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

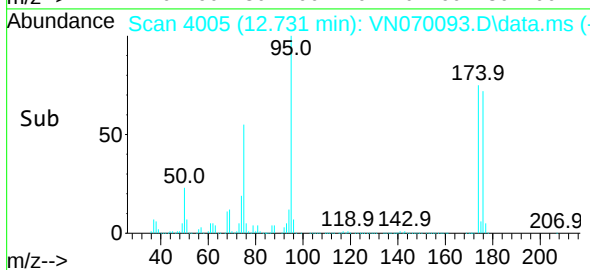
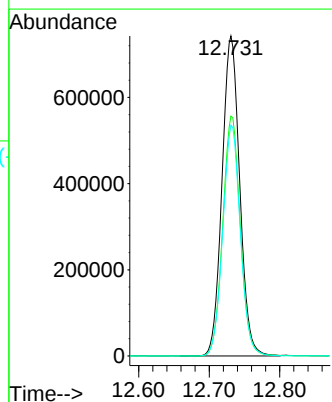
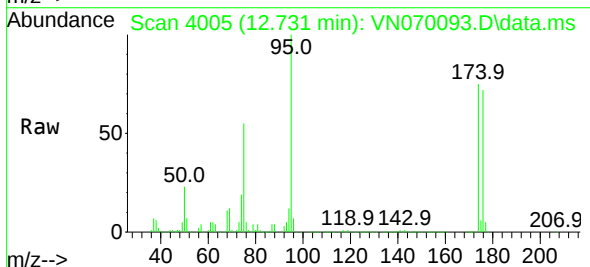
Instrument :
MSVOA_N
ClientSampleId :
HSB-1-(9-9.5)

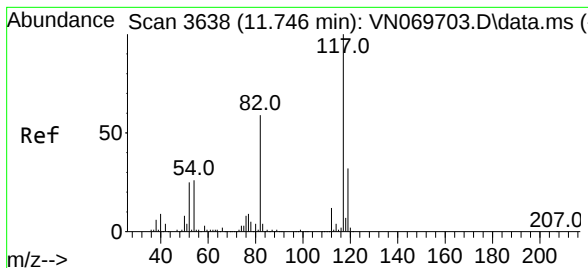
Tgt Ion: 92 Resp: 16082
Ion Ratio Lower Upper
92 100
91 168.0 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 66.425 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

Tgt Ion: 95 Resp: 1293536
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 71.7 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3638

Delta R.T. -0.002 min

Lab File: VN070093.D

Acq: 15 Dec 2021 1:12

Instrument :

MSVOA_N

ClientSampleId :

HSB-1-(9-9.5)

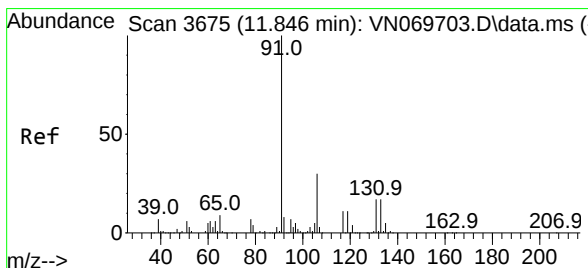
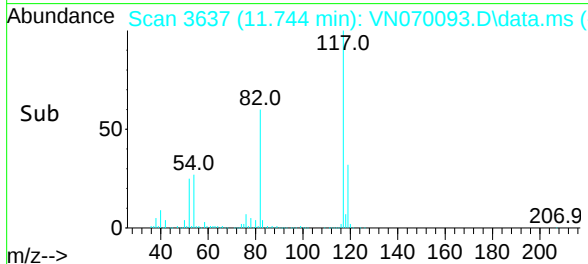
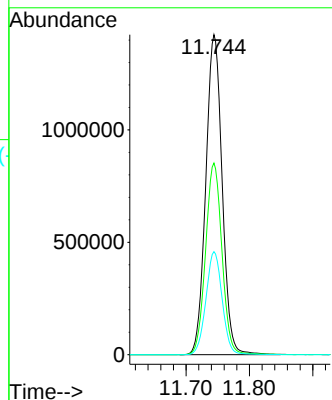
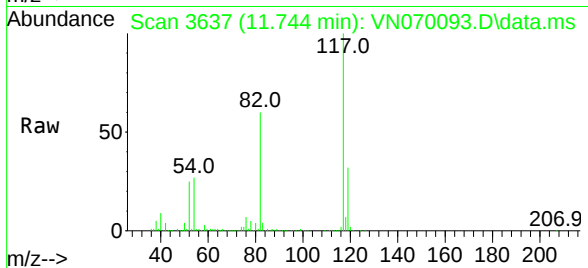
Tgt Ion:117 Resp: 2554859

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 32.2 25.4 38.2



#67

Ethyl Benzene

Concen: 1.852 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070093.D

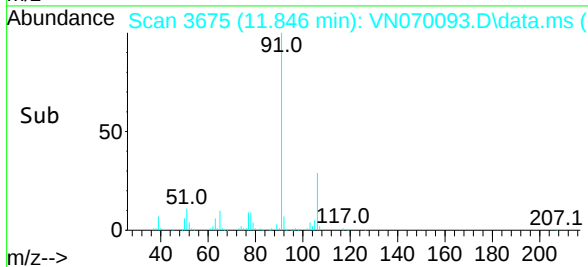
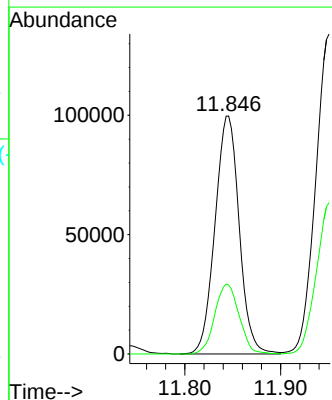
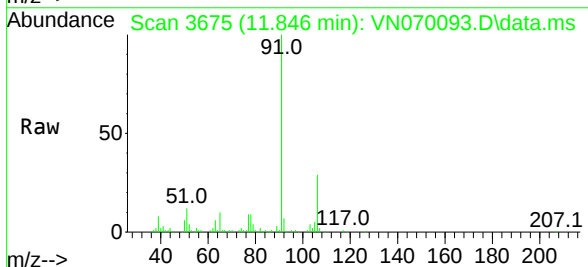
Acq: 15 Dec 2021 1:12

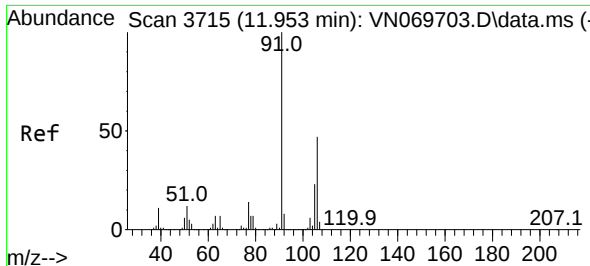
Tgt Ion: 91 Resp: 174372

Ion Ratio Lower Upper

91 100

106 29.0 25.7 38.5

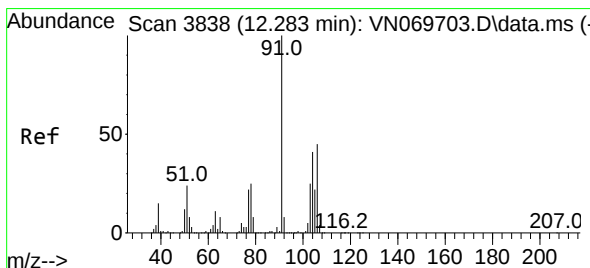
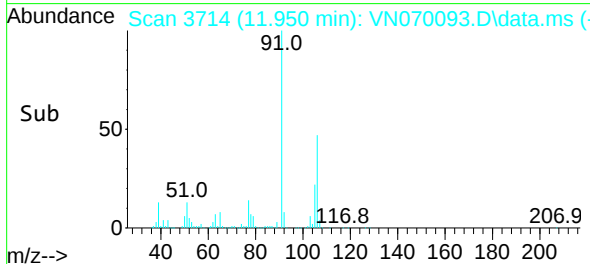
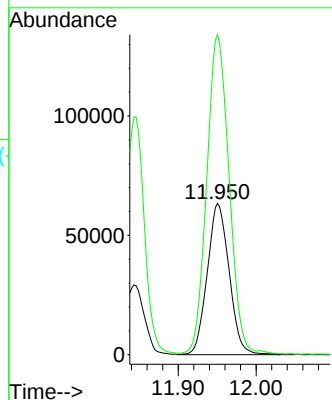
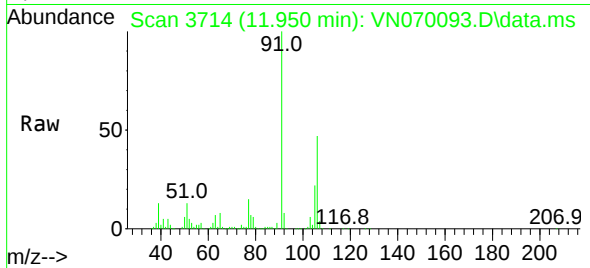




#68
m/p-Xylenes
Concen: 3.611 ug/l
RT: 11.950 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

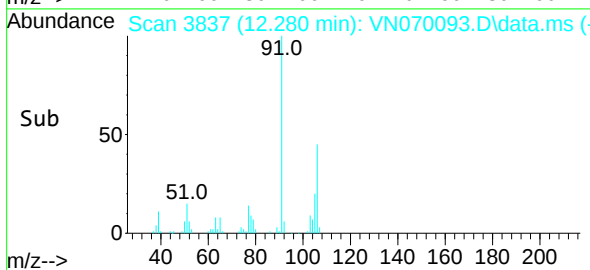
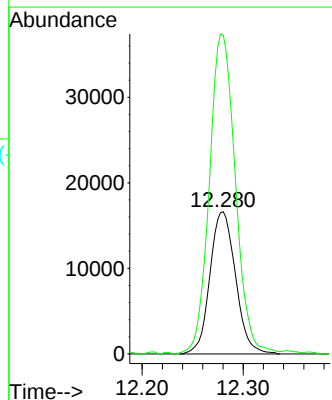
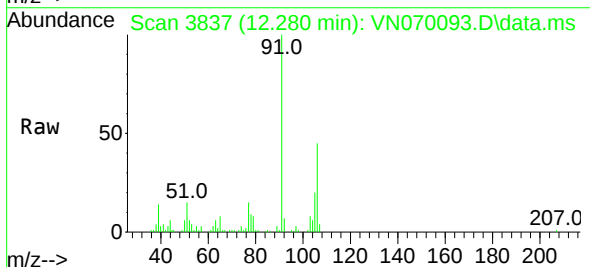
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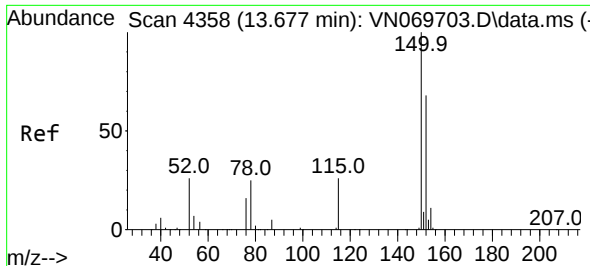
Tgt Ion:106 Resp: 123776
Ion Ratio Lower Upper
106 100
91 215.8 160.6 240.8



#69
o-Xylene
Concen: 0.848 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

Tgt Ion:106 Resp: 29284
Ion Ratio Lower Upper
106 100
91 228.8 105.8 317.3

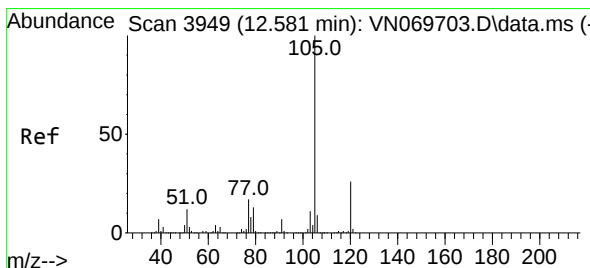
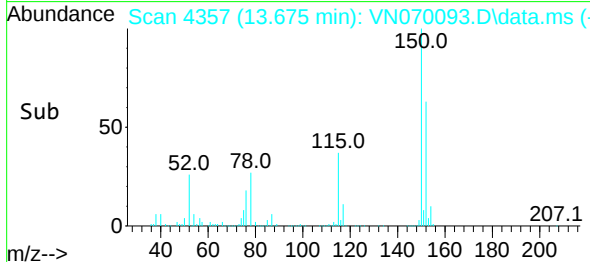
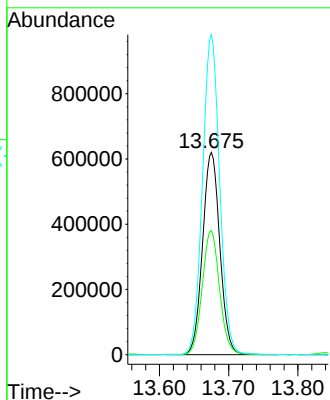
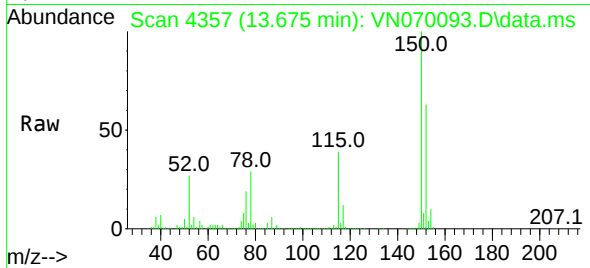




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

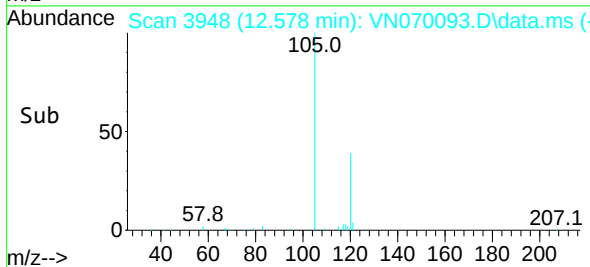
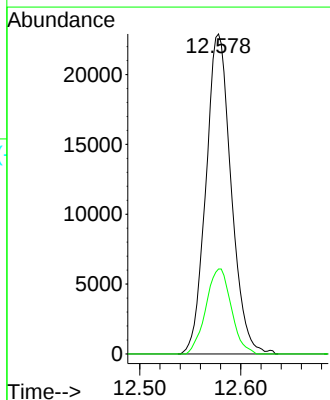
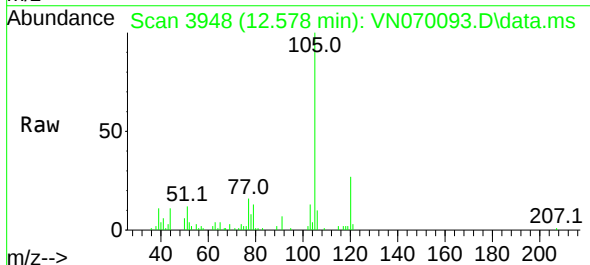
Instrument :
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 HSB-1-(9-9.5)

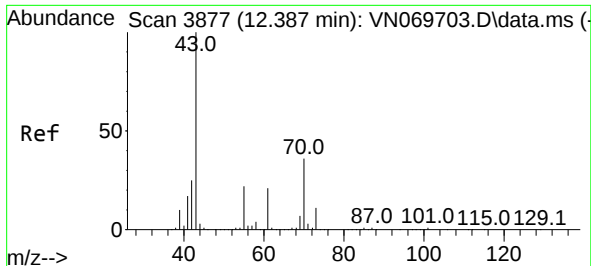
Tgt Ion:152 Resp: 1074564
 Ion Ratio Lower Upper
 152 100
 115 61.5 27.5 82.5
 150 156.9 0.0 344.4



#73
 Isopropylbenzene
 Concen: 0.416 ug/l
 RT: 12.578 min Scan# 3948
 Delta R.T. -0.003 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

Tgt Ion:105 Resp: 39734
 Ion Ratio Lower Upper
 105 100
 120 26.7 13.4 40.1

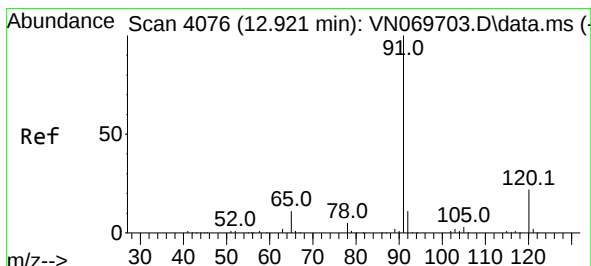
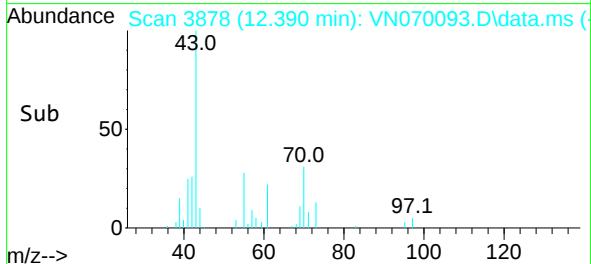
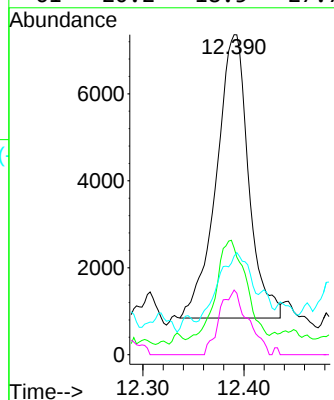
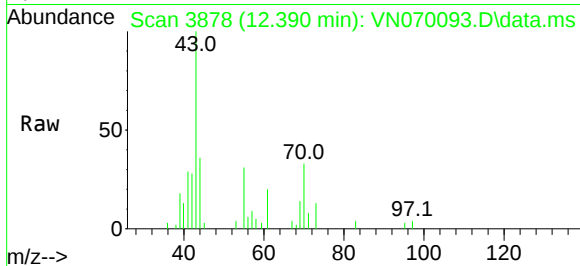




#74
N-amy1 acetate
Concen: 0.341 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

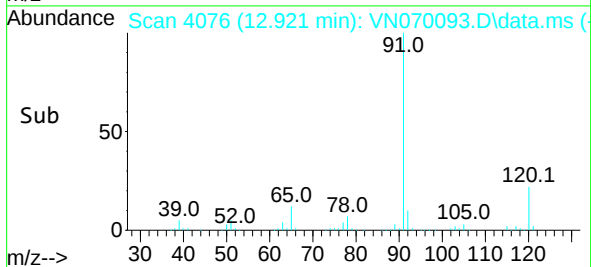
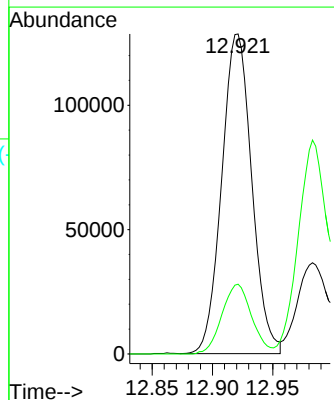
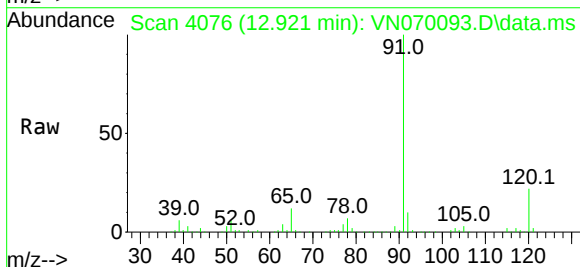
Instrument :
MSVOA_N
ClientSampleId :
HSB-1-(9-9.5)

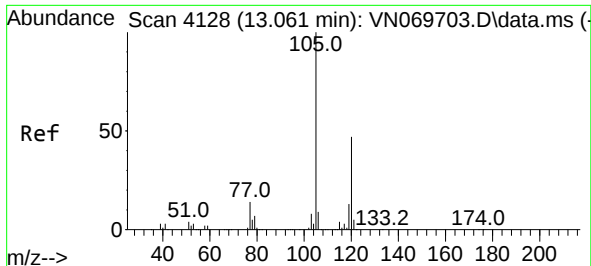
Tgt Ion: 43	Resp: 14422
Ion Ratio	Lower Upper
43 100	
70 33.4	33.4 50.0
55 24.1	19.3 28.9
61 20.2	18.5 27.7



#78
n-propylbenzene
Concen: 2.093 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

Tgt Ion: 91	Resp: 222723
Ion Ratio	Lower Upper
91 100	
120 21.7	11.9 35.9

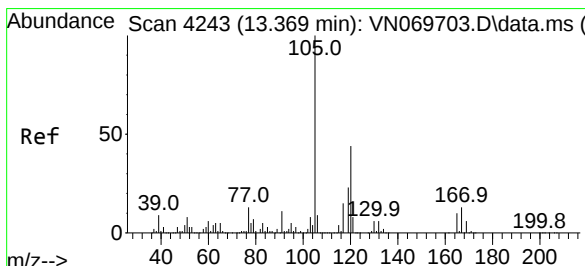
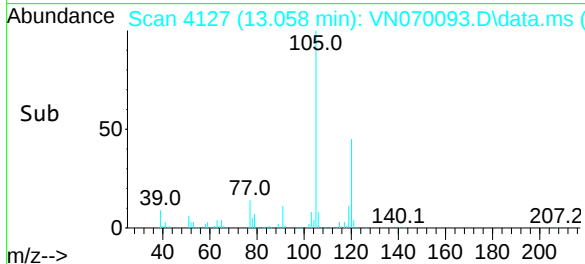
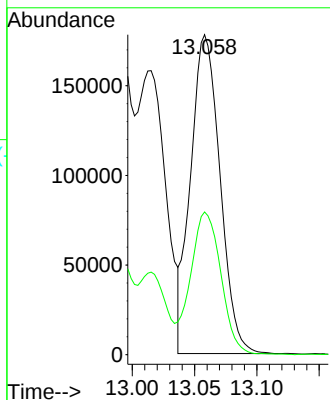
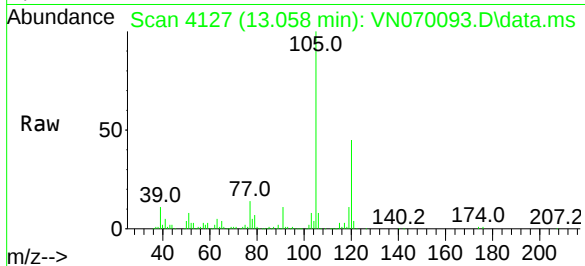




#80
1,3,5-Trimethylbenzene
Concen: 3.788 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.003 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

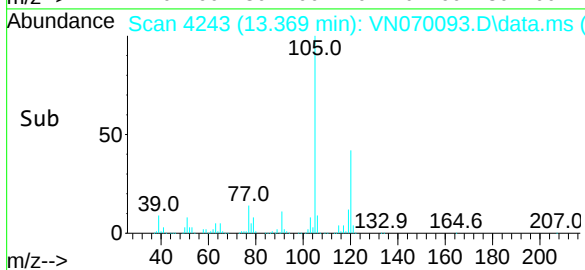
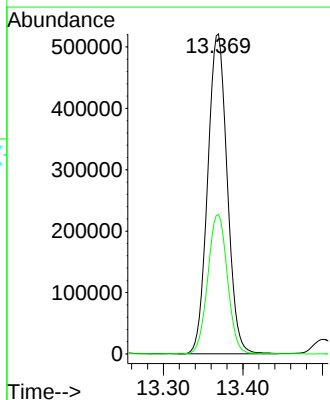
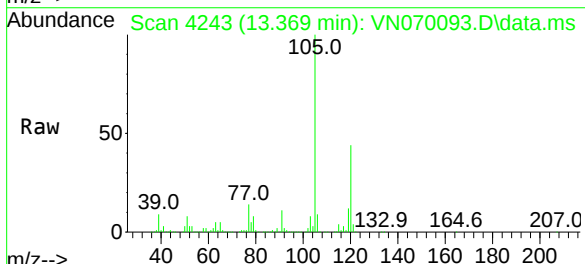
Instrument :
MSVOA_N
ClientSampleId :
HSB-1-(9-9.5)

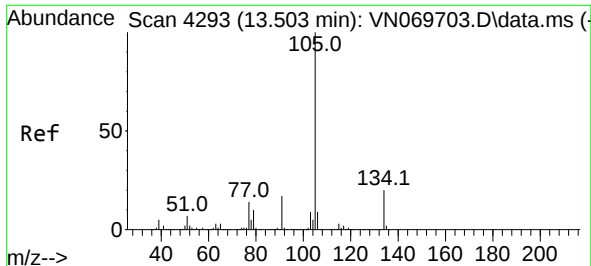
Tgt Ion:105 Resp: 291467
Ion Ratio Lower Upper
105 100
120 46.8 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 12.142 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070093.D
Acq: 15 Dec 2021 1:12

Tgt Ion:105 Resp: 889799
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4

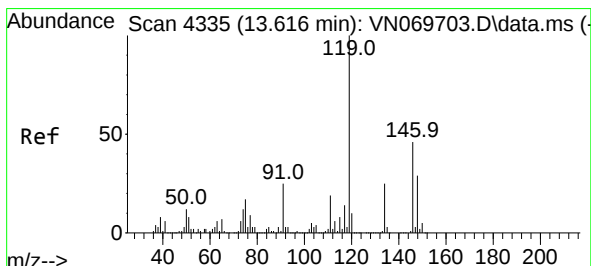
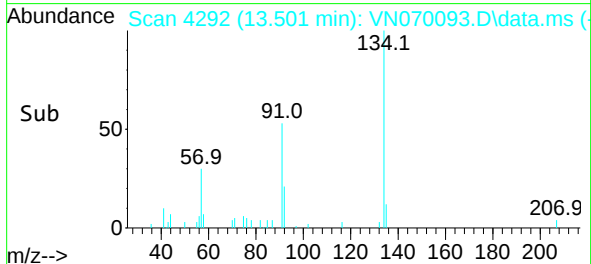
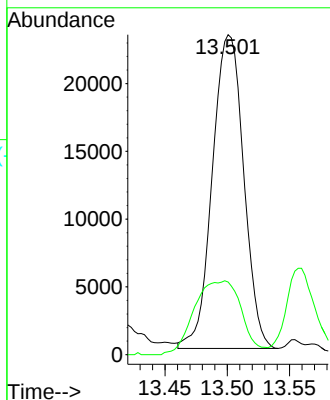
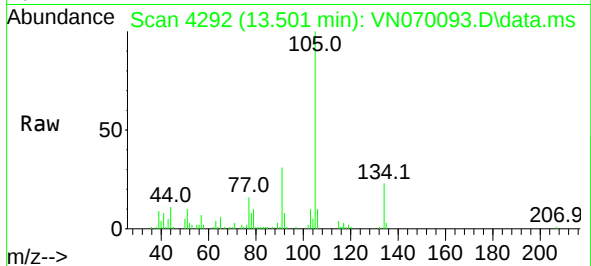




#85
 sec-Butylbenzene
 Concen: 0.438 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

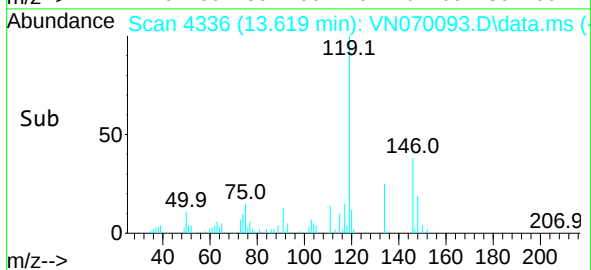
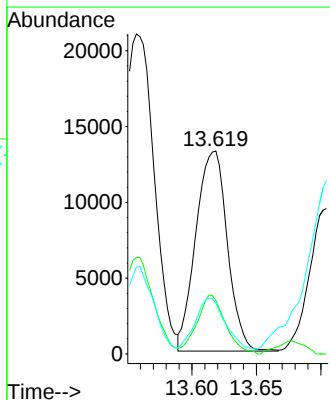
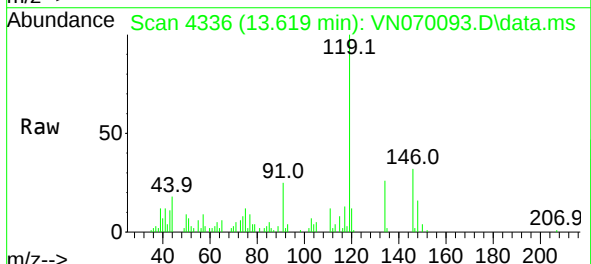
Instrument :
 MSVOA_N
 ClientSampleId :
 HSB-1-(9-9.5)

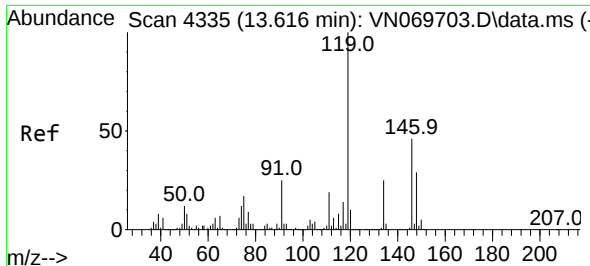
Tgt Ion:105 Resp: 40490
 Ion Ratio Lower Upper
 105 100
 134 35.5 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 0.311 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.003 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

Tgt Ion:119 Resp: 22452
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.6 40.7
 91 23.8 11.4 34.1

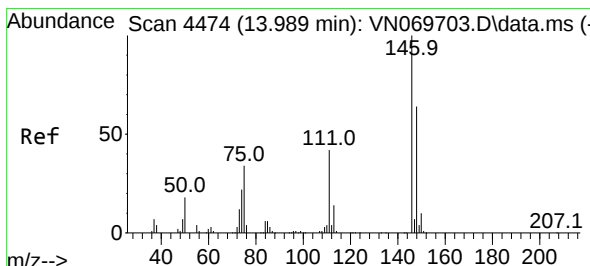
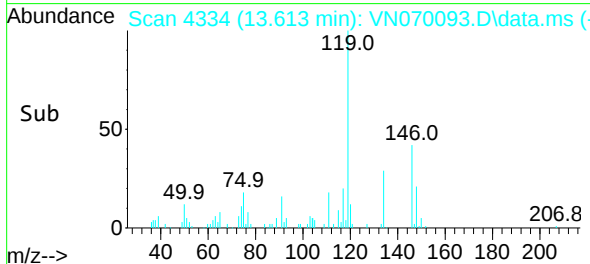
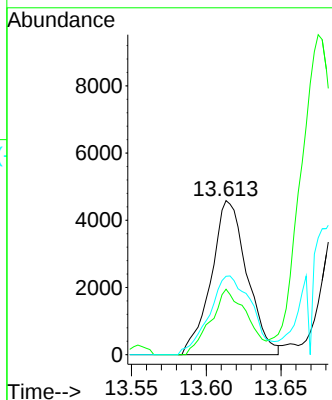
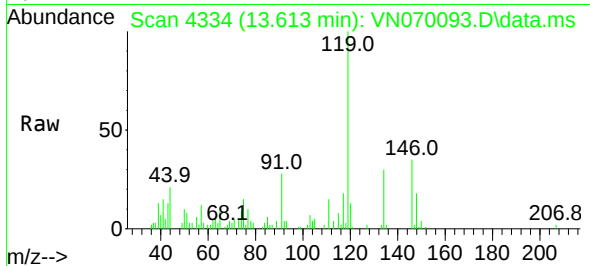




#87
 1,3-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.613 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

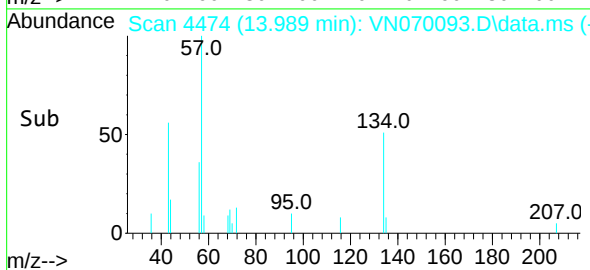
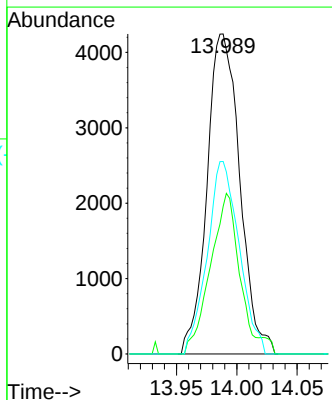
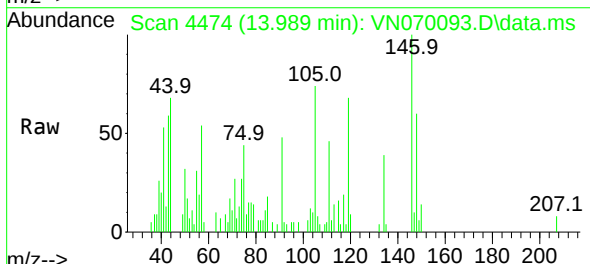
Instrument :
 MSVOA_N
 ClientSampleId :
 HSB-1-(9-9.5)

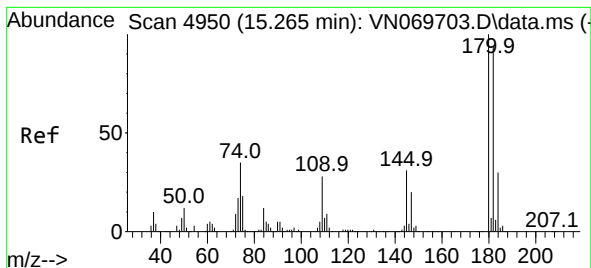
Tgt Ion:146 Resp: 7657
 Ion Ratio Lower Upper
 146 100
 111 43.3 18.6 55.6
 148 60.9 31.6 95.0



#91
 1,2-Dichlorobenzene
 Concen: 0.224 ug/l
 RT: 13.989 min Scan# 4474
 Delta R.T. 0.000 min
 Lab File: VN070093.D
 Acq: 15 Dec 2021 1:12

Tgt Ion:146 Resp: 8036
 Ion Ratio Lower Upper
 146 100
 111 45.7 19.1 57.3
 148 58.5 32.1 96.3





#93

1,2,4-Trichlorobenzene

Concen: 3.591 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

Lab File: VN070093.D

Acq: 15 Dec 2021 1:12

Instrument :

MSVOA_N

ClientSampleId :

HSB-1-(9-9.5)

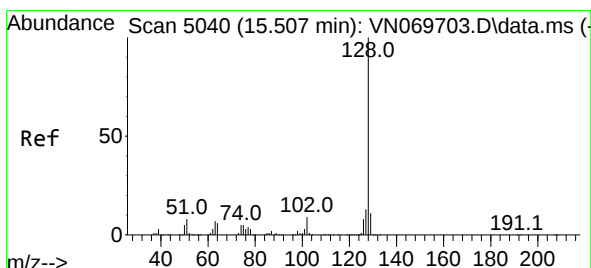
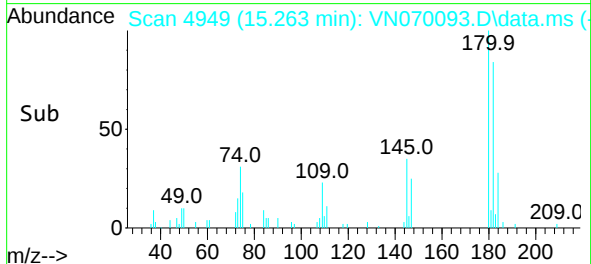
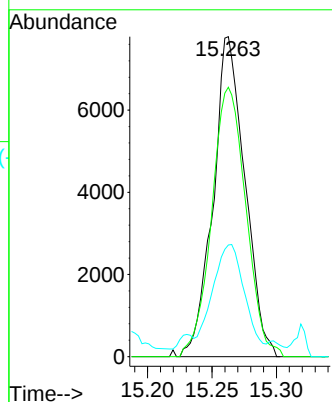
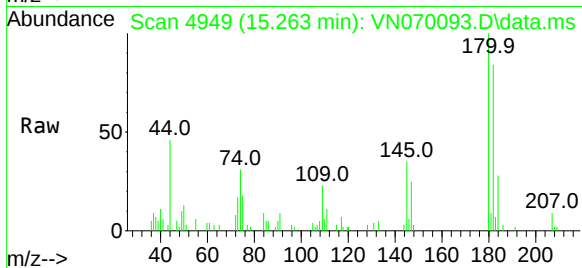
Tgt Ion:180 Resp: 13336

Ion Ratio Lower Upper

180 100

182 90.8 48.3 144.9

145 30.7 14.5 43.5



#95

Naphthalene

Concen: 5.684 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070093.D

Acq: 15 Dec 2021 1:12

Tgt Ion:128 Resp: 96959

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 11.3 8.7 13.1

