

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070472.D
 Acq On : 4 Jan 2022 18:49
 Operator : JC/MD
 Sample : M5251-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Jan 05 03:20:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

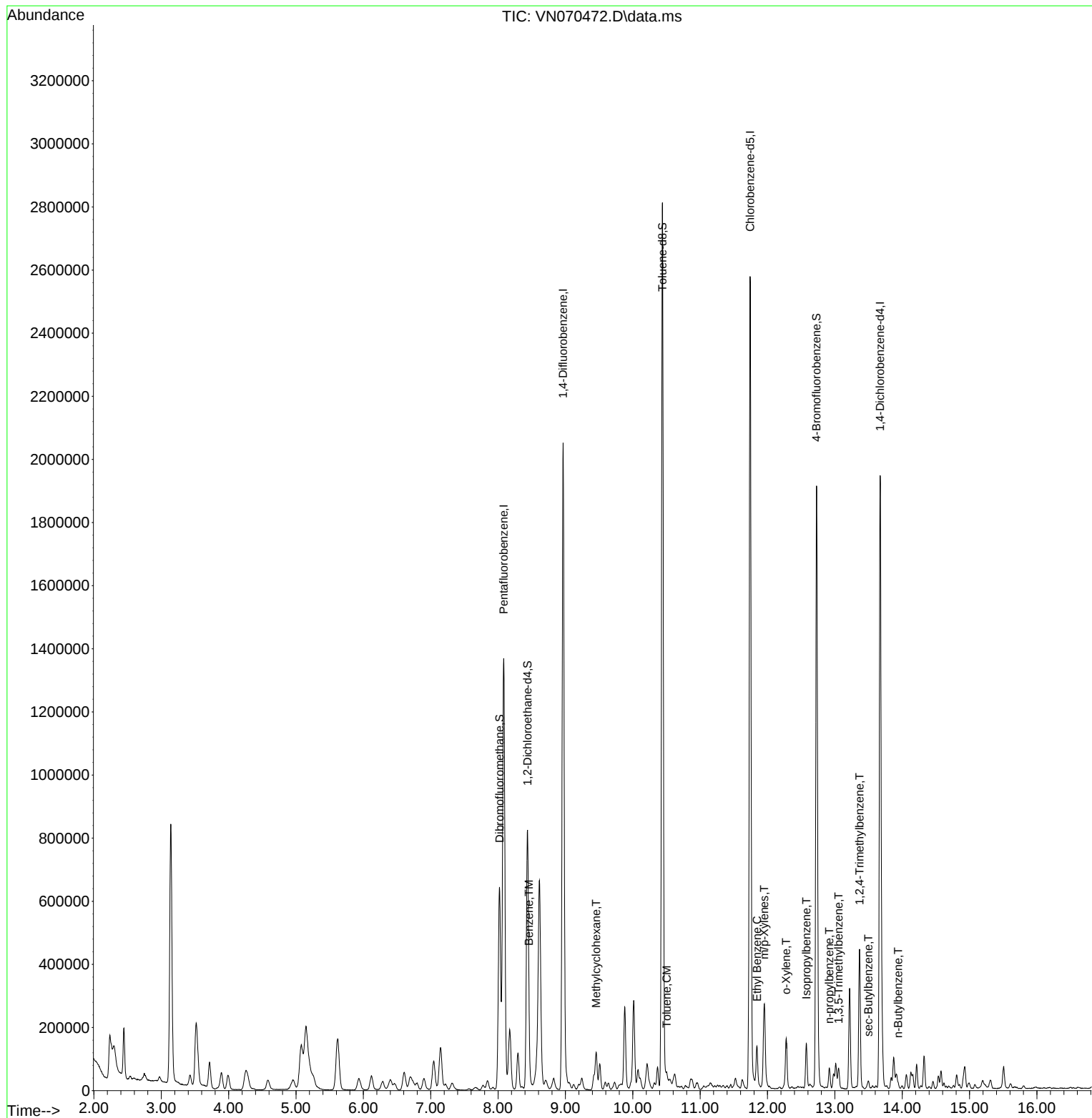
Internal Standards						
1) Pentafluorobenzene	8.083	168	1003533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1715487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1497475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	536746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	696924	48.301	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.600%
35) Dibromofluoromethane	8.021	113	477799	46.033	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.060%
50) Toluene-d8	10.440	98	1959453	46.212	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	92.420%
62) 4-Bromofluorobenzene	12.728	95	716687	46.798	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.600%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.456	83	22438	1.079	ug/l #	73
40) Benzene	8.459	78	16588	0.315	ug/l	99
52) Toluene	10.505	92	13895	0.436	ug/l	97
67) Ethyl Benzene	11.843	91	94108	1.617	ug/l	95
68) m/p-Xylenes	11.953	106	88406	4.172	ug/l	97
69) o-Xylene	12.278	106	44260	2.100	ug/l	92
73) Isopropylbenzene	12.575	105	92779	1.861	ug/l	99
78) n-propylbenzene	12.919	91	52449	0.950	ug/l	94
80) 1,3,5-Trimethylbenzene	13.055	105	27790	0.696	ug/l	98
84) 1,2,4-Trimethylbenzene	13.367	105	265709	6.908	ug/l	98
85) sec-Butylbenzene	13.498	105	15534	0.325	ug/l	84
89) n-Butylbenzene	13.940	91	9534	0.305	ug/l #	76

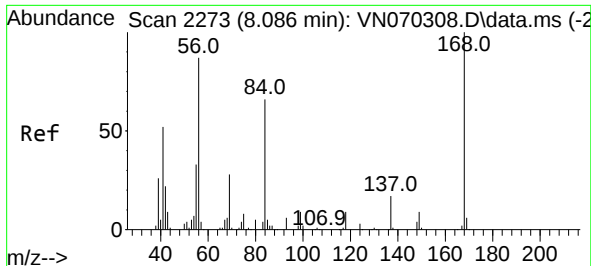
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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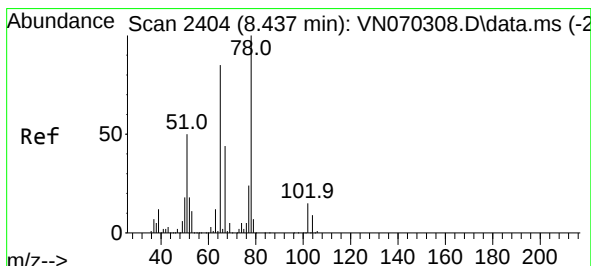
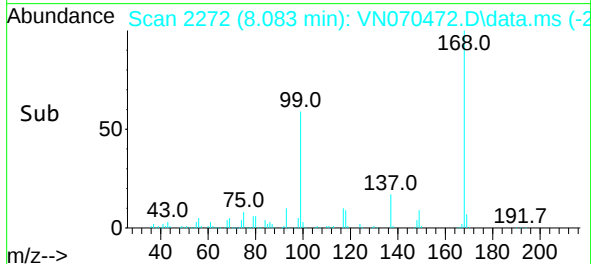
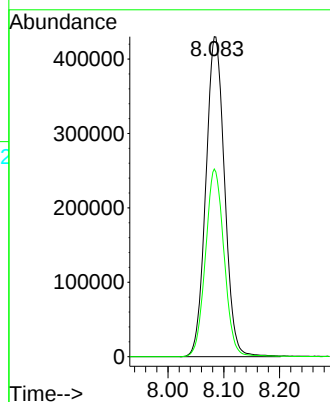
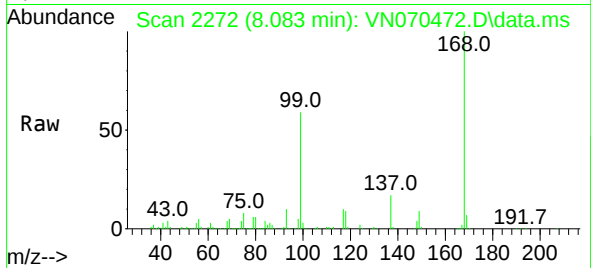




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

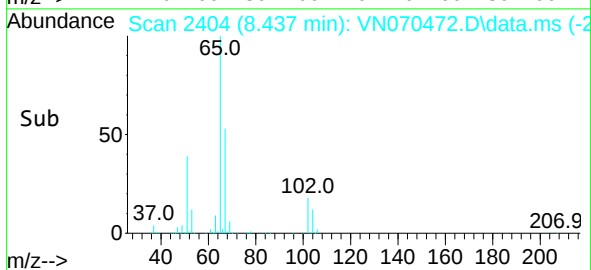
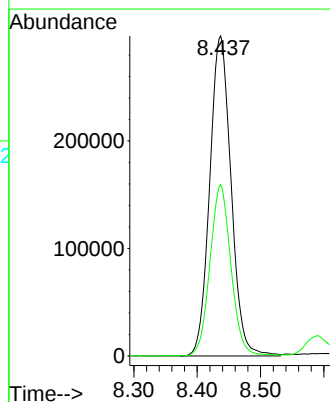
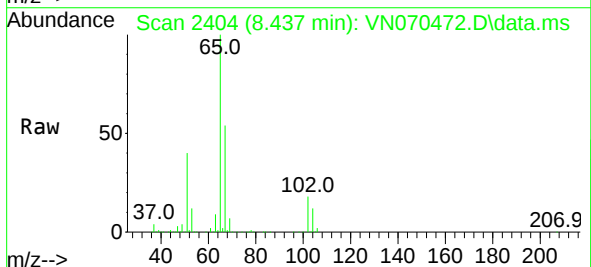
Instrument :
MSVOA_N
ClientSampleId :
MW-3

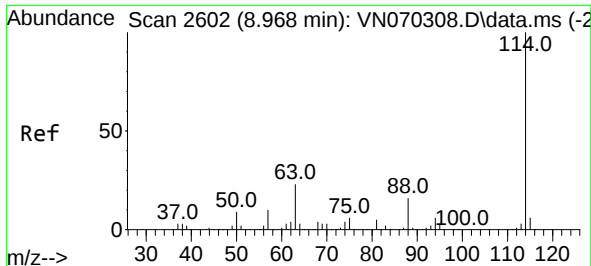
Tgt Ion:168 Resp: 1003533
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#33
1,2-Dichloroethane-d4
Concen: 48.301 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

Tgt Ion: 65 Resp: 696924
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0

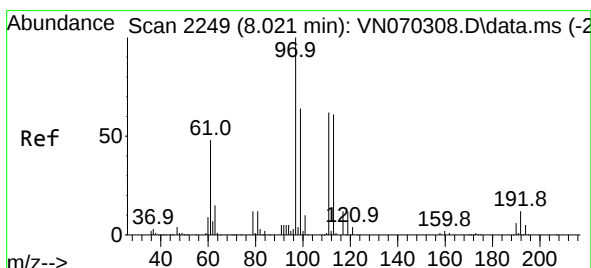
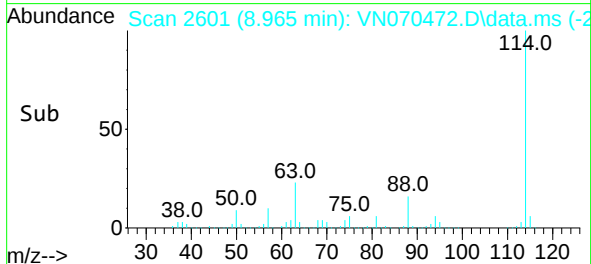
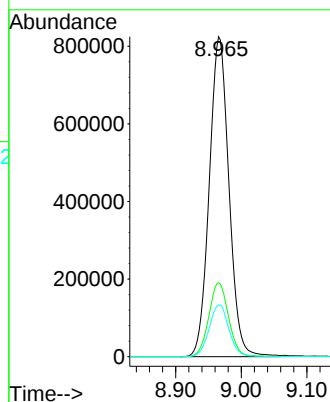
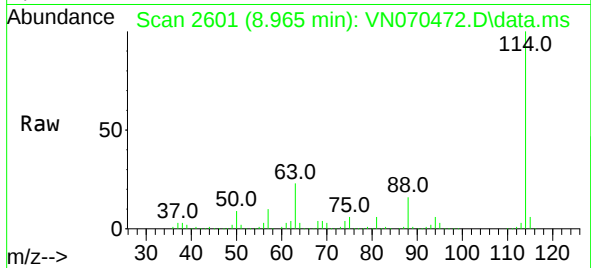




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

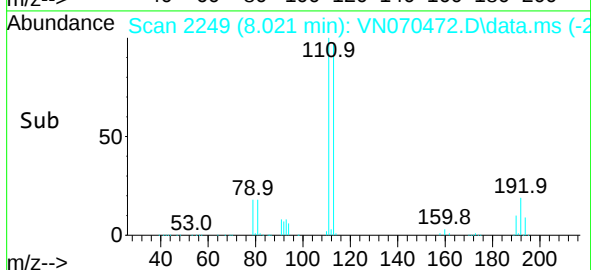
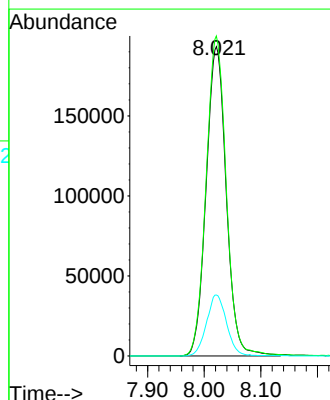
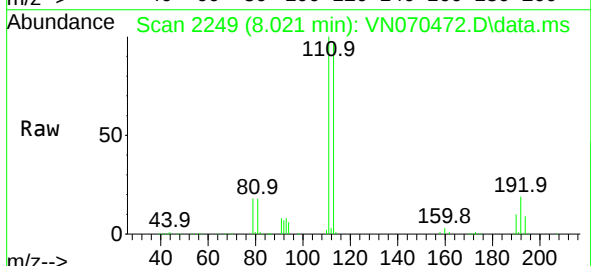
Instrument :
MSVOA_N
ClientSampleId :
MW-3

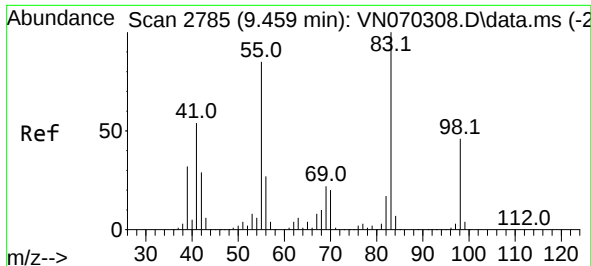
Tgt Ion:114 Resp: 1715487
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.033 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

Tgt Ion:113 Resp: 477799
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 19.7 16.9 25.3

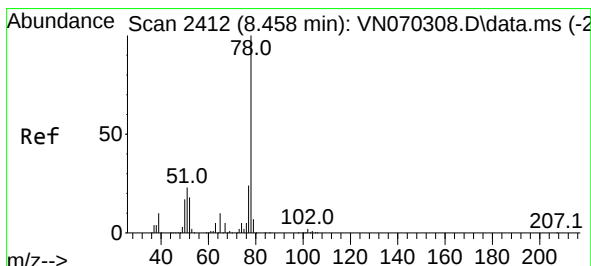
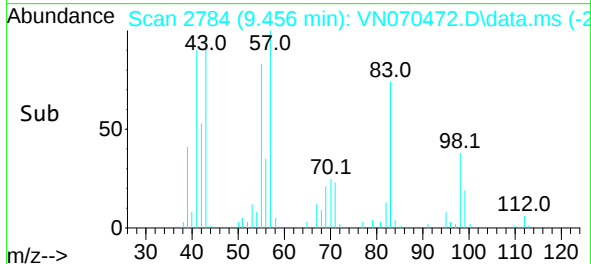
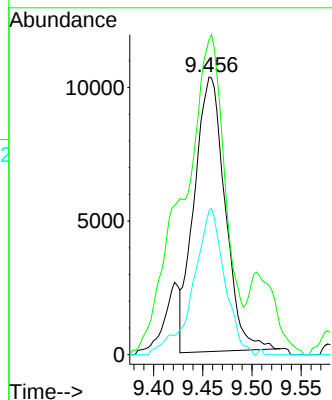
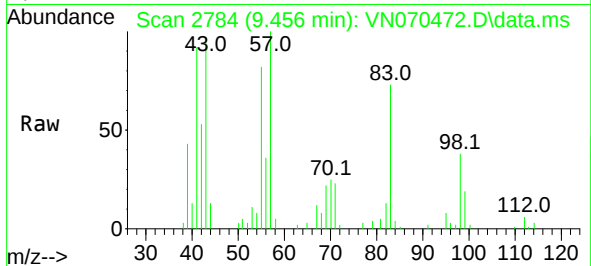




#39
Methylcyclohexane
Concen: 1.079 ug/l
RT: 9.456 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

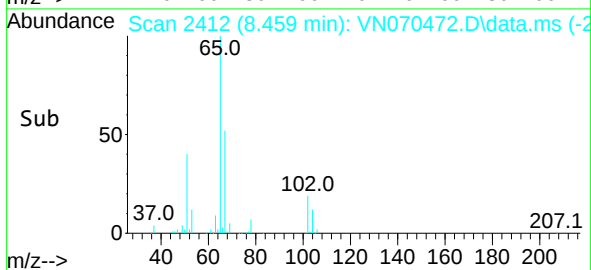
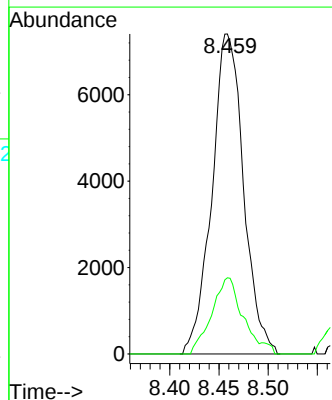
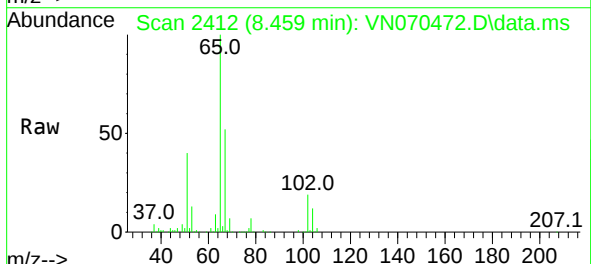
Instrument :
MSVOA_N
ClientSampleId :
MW-3

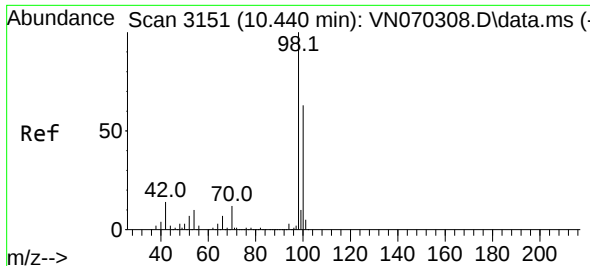
Tgt Ion: 83 Resp: 22438
Ion Ratio Lower Upper
83 100
55 105.6 58.1 87.1#
98 52.9 38.4 57.6



#40
Benzene
Concen: 0.315 ug/l
RT: 8.459 min Scan# 2412
Delta R.T. 0.001 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

Tgt Ion: 78 Resp: 16588
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

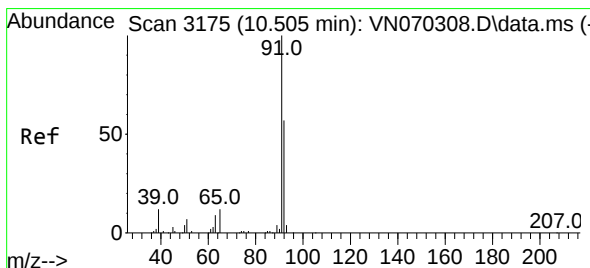
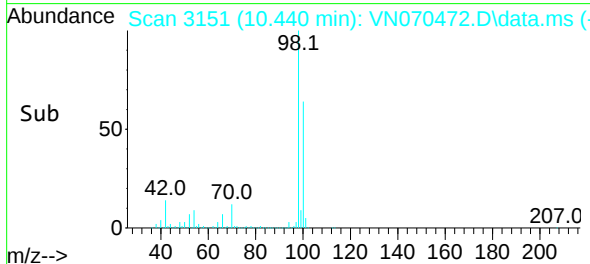
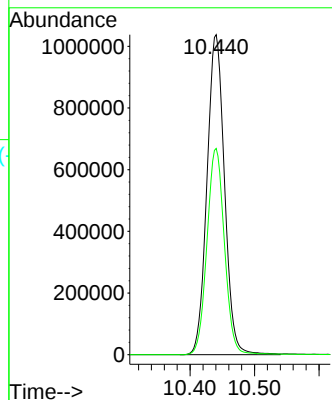
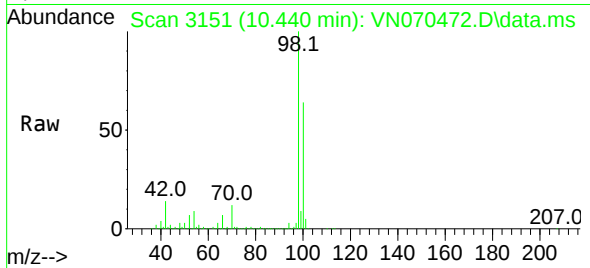




#50
Toluene-d8
Concen: 46.212 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

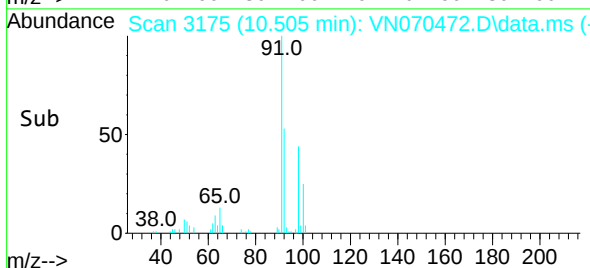
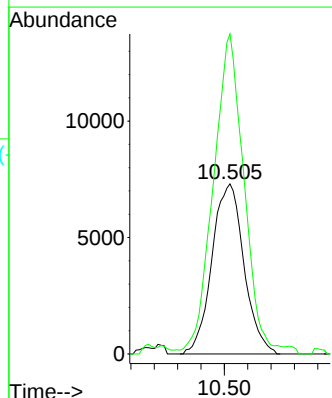
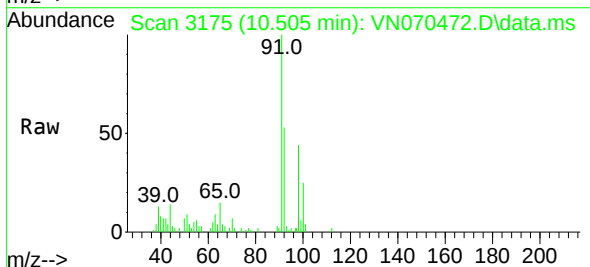
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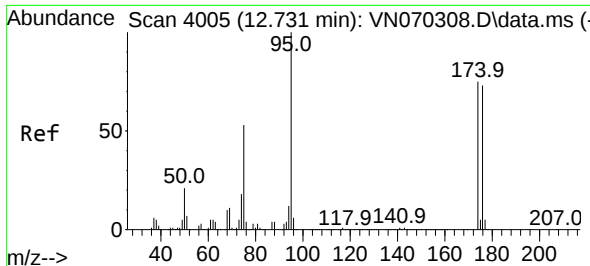
Tgt Ion: 98 Resp: 1959453
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#52
Toluene
Concen: 0.436 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

Tgt Ion: 92 Resp: 13895
Ion Ratio Lower Upper
92 100
91 173.5 142.0 213.0

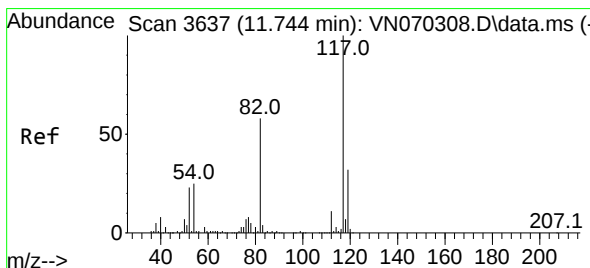
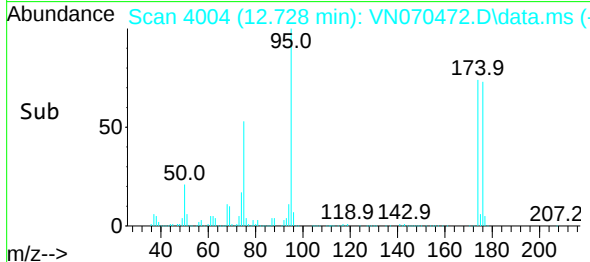
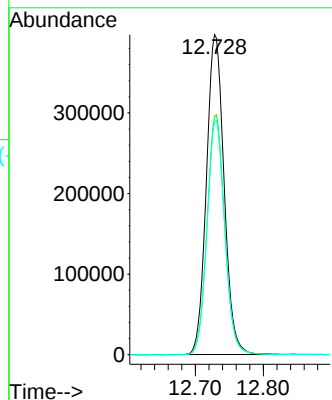
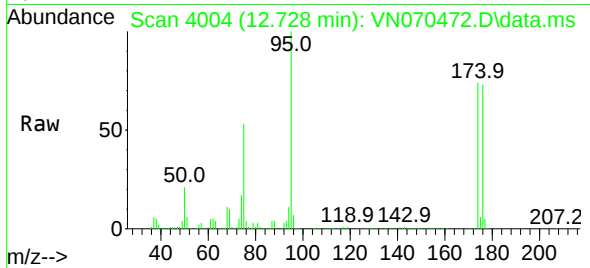




#62
4-Bromofluorobenzene
Concen: 46.798 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

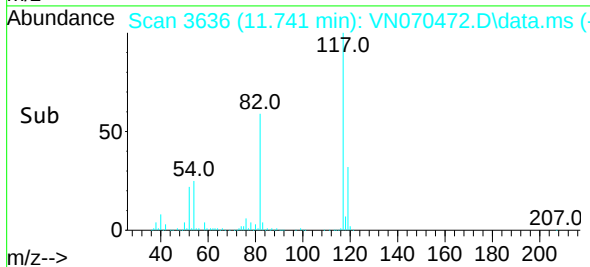
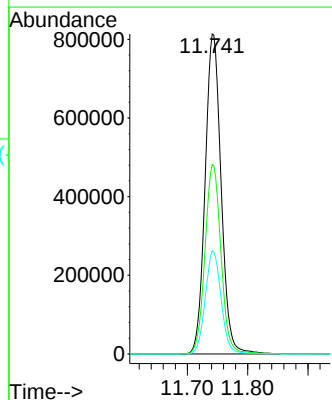
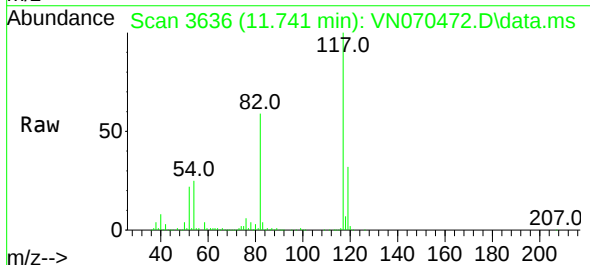
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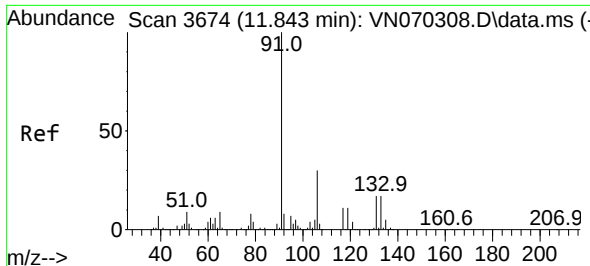
Tgt Ion: 95 Resp: 716687
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. -0.003 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

Tgt Ion: 117 Resp: 1497475
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.2 25.4 38.2

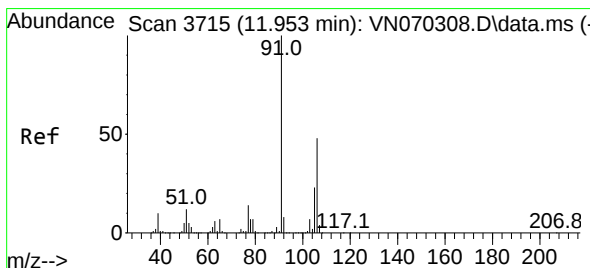
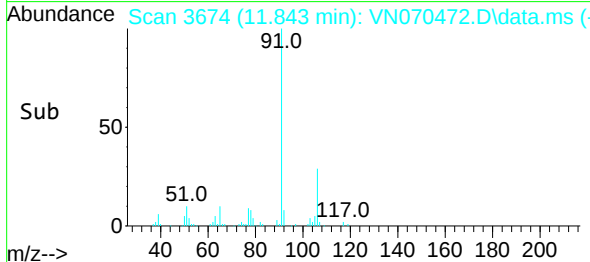
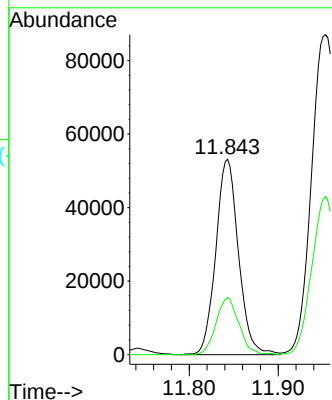
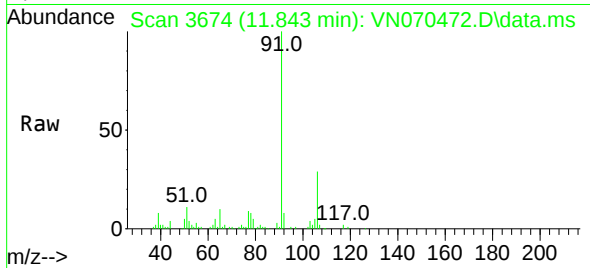




#67
Ethyl Benzene
Concen: 1.617 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

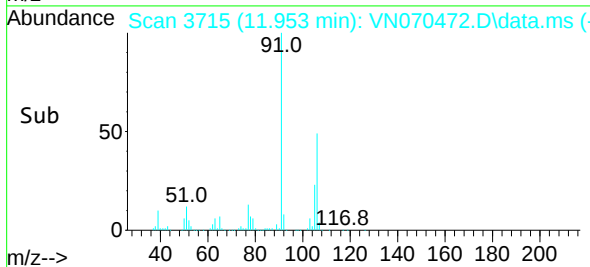
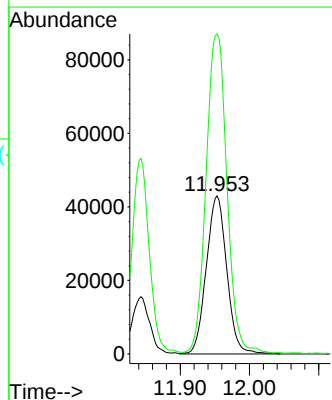
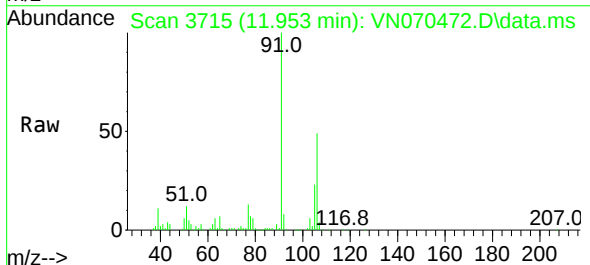
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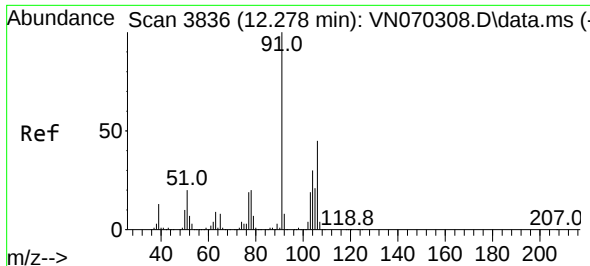
Tgt Ion: 91 Resp: 94108
Ion Ratio Lower Upper
91 100
106 29.3 25.7 38.5



#68
m/p-Xylenes
Concen: 4.172 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

Tgt Ion: 106 Resp: 88406
Ion Ratio Lower Upper
106 100
91 205.4 160.6 240.8

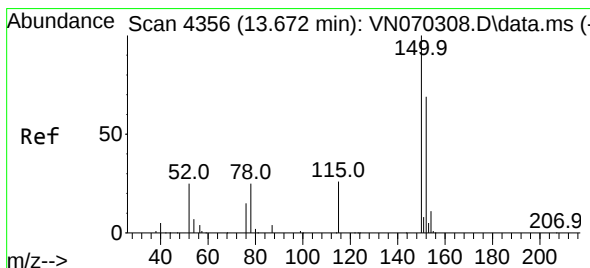
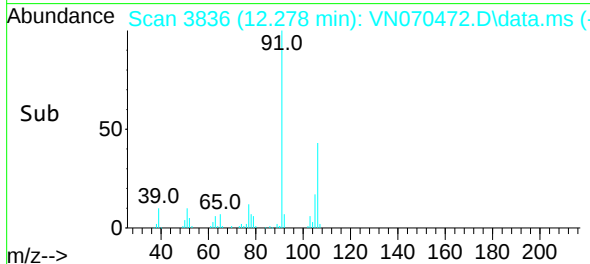
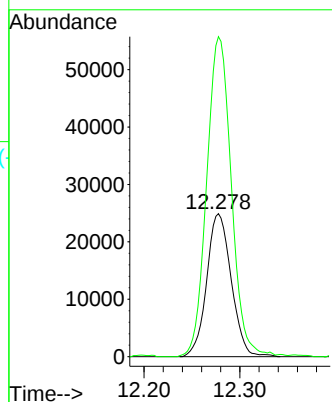
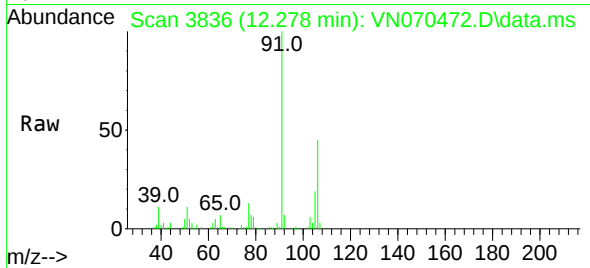




#69
o-Xylene
Concen: 2.100 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

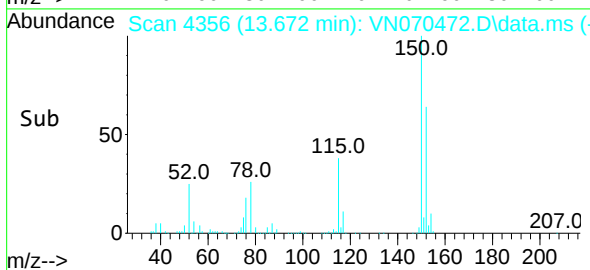
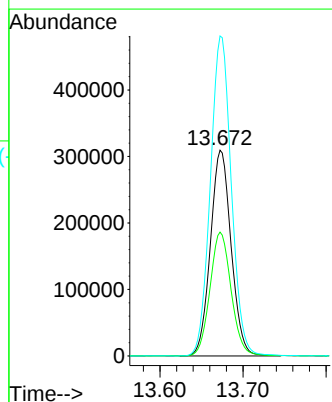
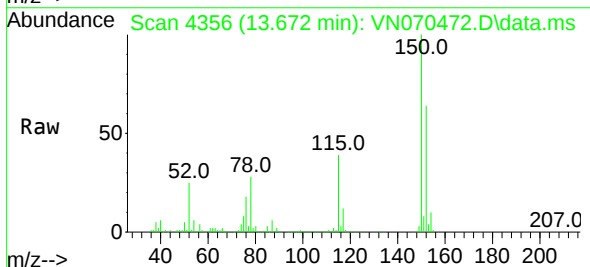
Instrument :
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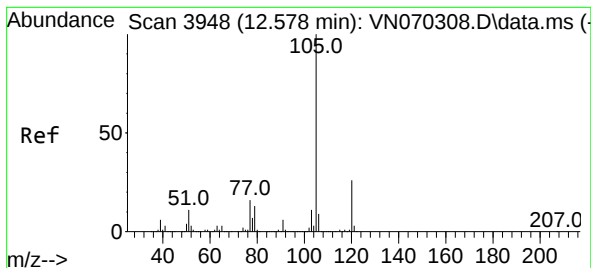
Tgt Ion:106 Resp: 44260
Ion Ratio Lower Upper
106 100
91 224.8 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070472.D
Acq: 4 Jan 2022 18:49

Tgt Ion:152 Resp: 536746
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.1 0.0 344.4





#73

Isopropylbenzene

Concen: 1.861 ug/l

RT: 12.575 min Scan# 3947

Delta R.T. -0.003 min

Lab File: VN070472.D

Acq: 4 Jan 2022 18:49

Instrument :

MSVOA_N

ClientSampleId :

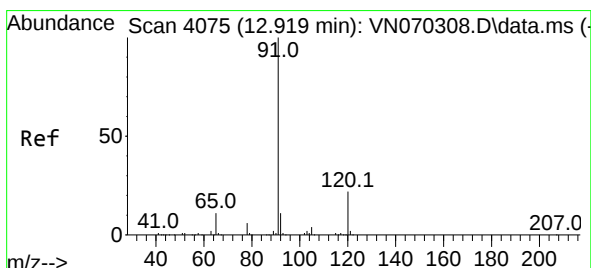
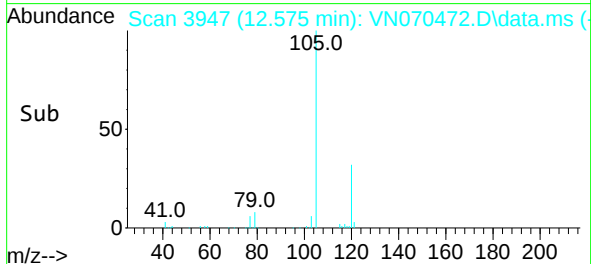
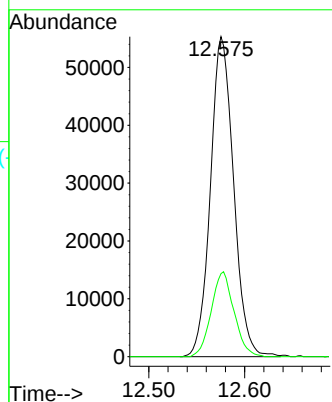
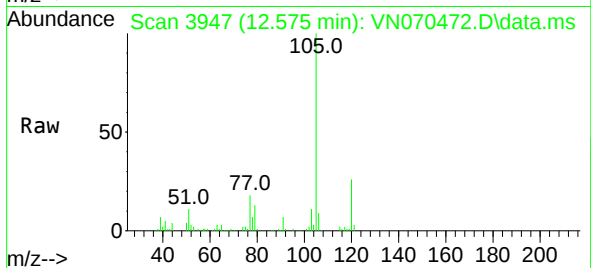
MW-3

Tgt Ion:105 Resp: 92779

Ion Ratio Lower Upper

105 100

120 26.0 13.4 40.1



#78

n-propylbenzene

Concen: 0.950 ug/l

RT: 12.919 min Scan# 4075

Delta R.T. -0.000 min

Lab File: VN070472.D

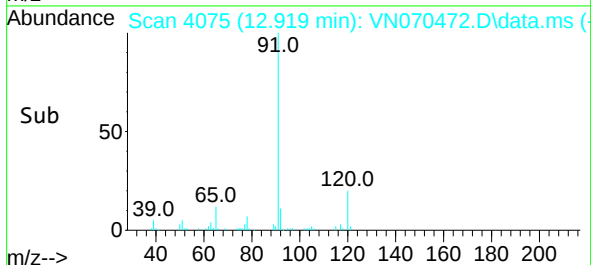
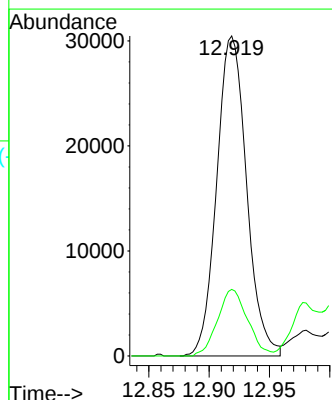
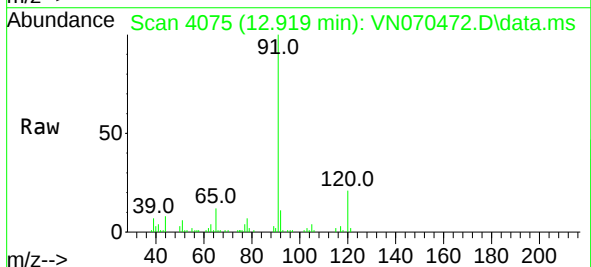
Acq: 4 Jan 2022 18:49

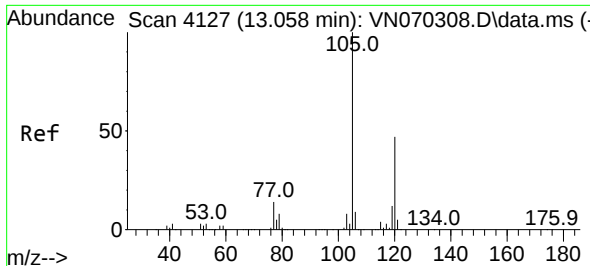
Tgt Ion: 91 Resp: 52449

Ion Ratio Lower Upper

91 100

120 21.0 11.9 35.9

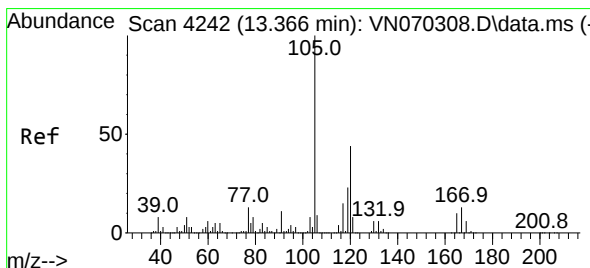
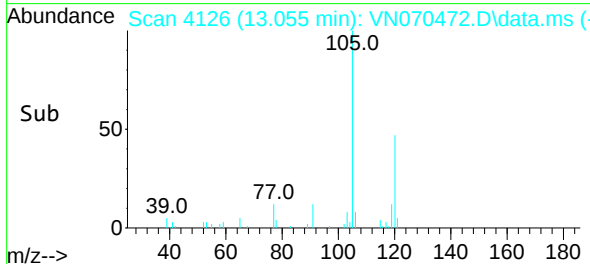
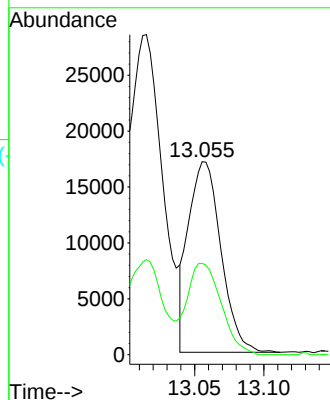
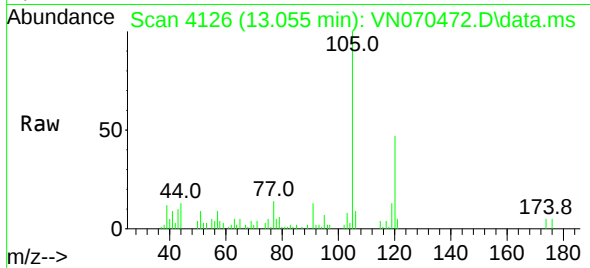




#80
 1,3,5-Trimethylbenzene
 Concen: 0.696 ug/l
 RT: 13.055 min Scan# 4127
 Delta R.T. -0.003 min
 Lab File: VN070472.D
 Acq: 4 Jan 2022 18:49

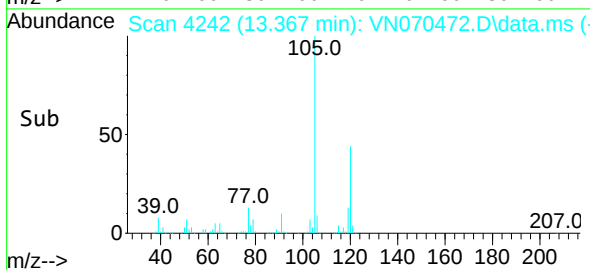
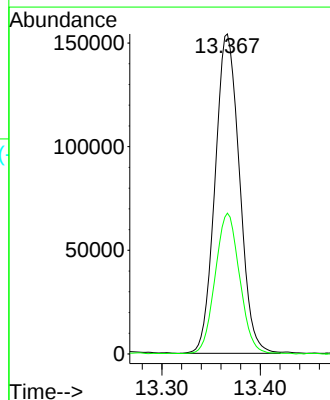
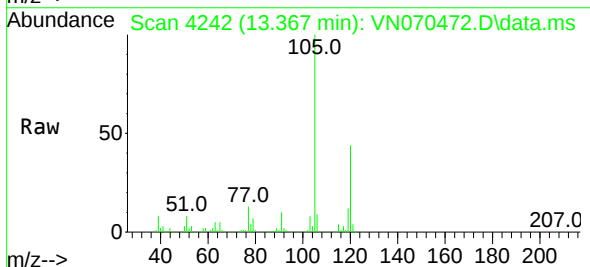
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

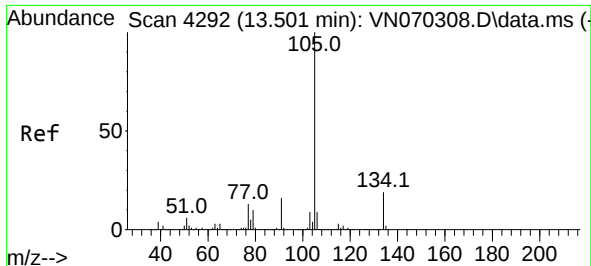
Tgt Ion:105 Resp: 27790
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 6.908 ug/l
 RT: 13.367 min Scan# 4242
 Delta R.T. 0.001 min
 Lab File: VN070472.D
 Acq: 4 Jan 2022 18:49

Tgt Ion:105 Resp: 265709
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.4

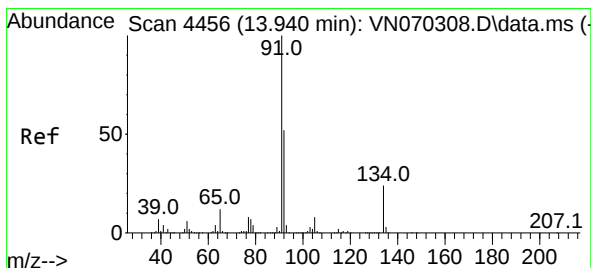
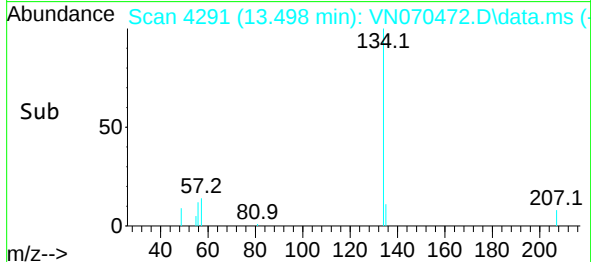
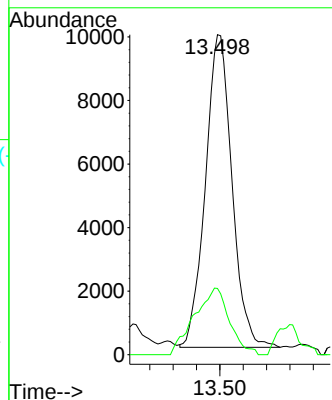
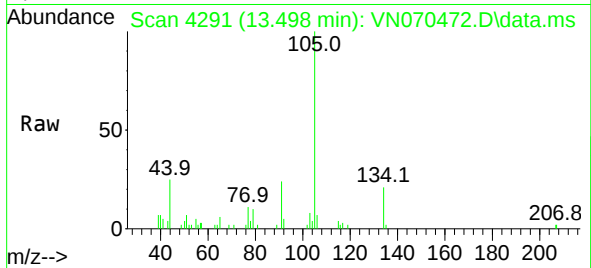




#85
 sec-Butylbenzene
 Concen: 0.325 ug/l
 RT: 13.498 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070472.D
 Acq: 4 Jan 2022 18:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tgt Ion:105 Resp: 15534
 Ion Ratio Lower Upper
 105 100
 134 28.0 10.4 31.1



#89
 n-Butylbenzene
 Concen: 0.305 ug/l
 RT: 13.940 min Scan# 4456
 Delta R.T. 0.000 min
 Lab File: VN070472.D
 Acq: 4 Jan 2022 18:49

Tgt Ion: 91 Resp: 9534
 Ion Ratio Lower Upper
 91 100
 92 56.7 25.4 76.0
 134 0.0 13.6 40.8#

