

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069916.D
 Acq On : 9 Dec 2021 17:12
 Operator : JC/MD
 Sample : M4969-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Dec 10 06:17:52 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	1251363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2267722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2584647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1260111	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	951847	49.265	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.520%
35) Dibromofluoromethane	8.024	113	699770	49.264	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.520%
50) Toluene-d8	10.440	98	3010766	52.787	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.580%
62) 4-Bromofluorobenzene	12.731	95	1361864	65.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	131.820%

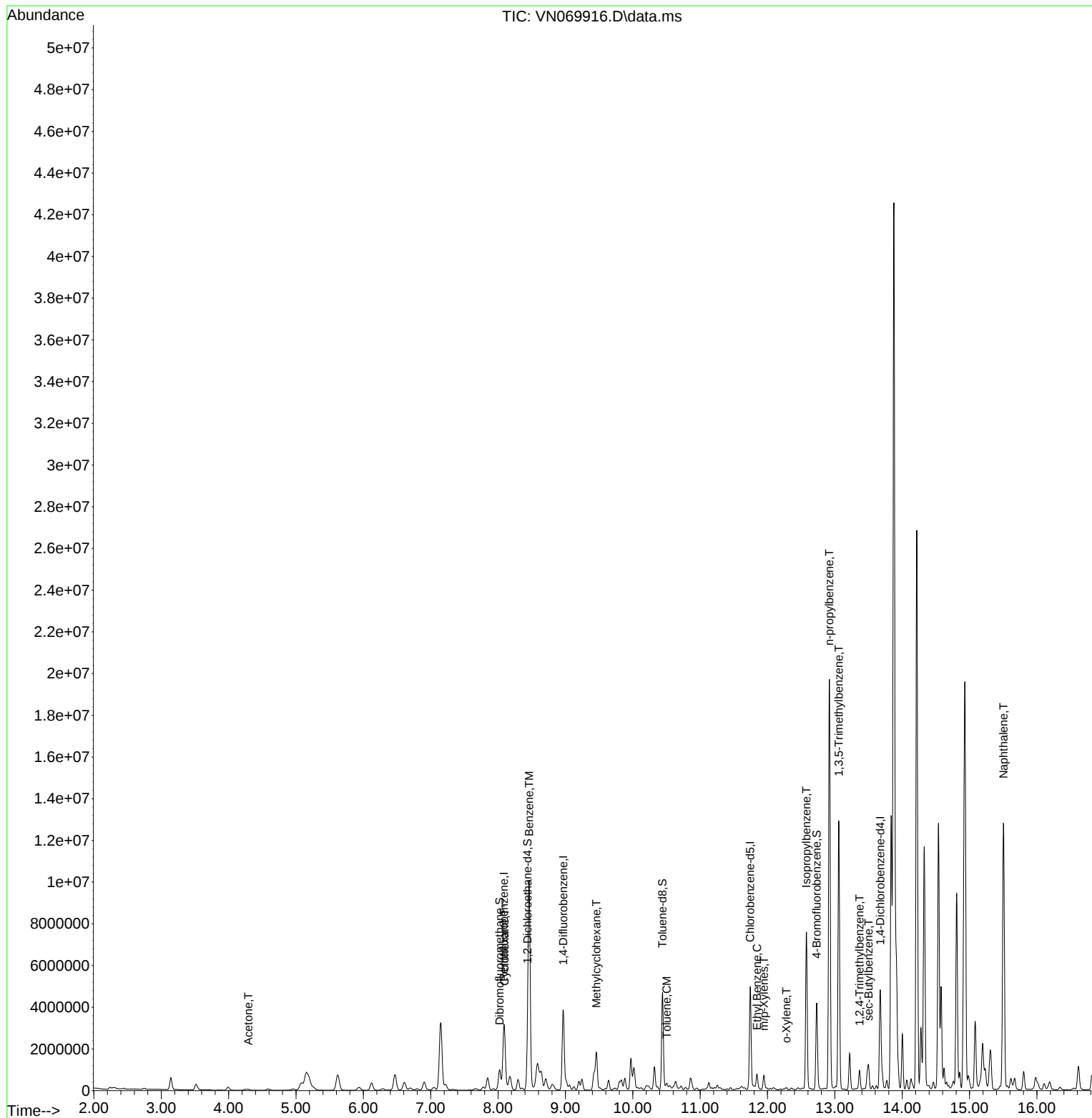
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.293	43	78931	6.791	ug/l	91
31) Cyclohexane	8.096	56	892992	33.211	ug/l	89
39) Methylcyclohexane	9.459	83	722039	28.118	ug/l	88
40) Benzene	8.461	78	9588204	145.306	ug/l	98
52) Toluene	10.505	92	111346	2.764	ug/l	98
67) Ethyl Benzene	11.843	91	425287	4.465	ug/l	97
68) m/p-Xylenes	11.948	106	192426	5.549	ug/l	91
69) o-Xylene	12.280	106	23440	0.671	ug/l	97
73) Isopropylbenzene	12.578	105	4856346	43.316	ug/l	99
78) n-propylbenzene	12.916	91	15347041	123.014	ug/l	98
80) 1,3,5-Trimethylbenzene	13.058	105	7035569	77.966	ug/l	97
84) 1,2,4-Trimethylbenzene	13.366	105	484547	5.638	ug/l	98
85) sec-Butylbenzene	13.501	105	731526	6.749	ug/l #	75
95) Naphthalene	15.504	128	11276399	172.504	ug/l	99

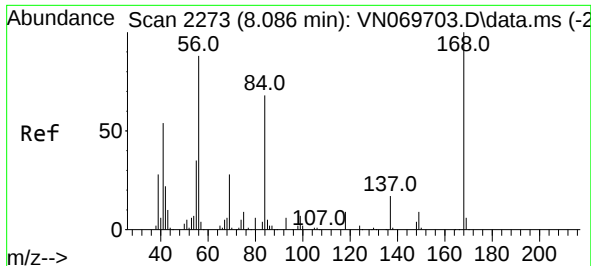
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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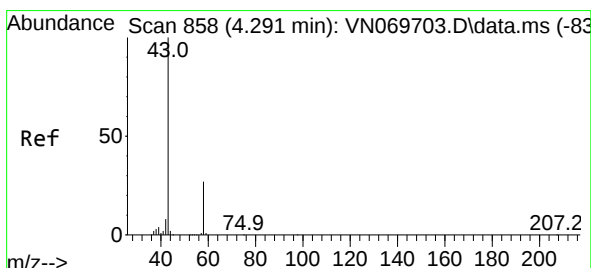
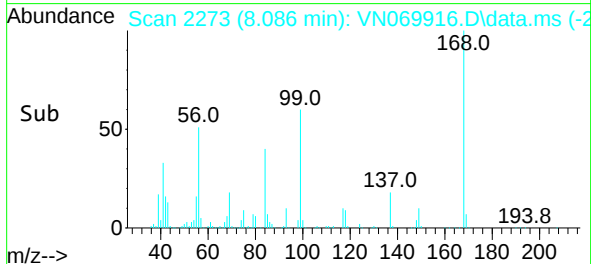
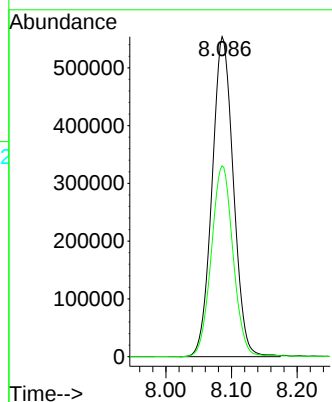
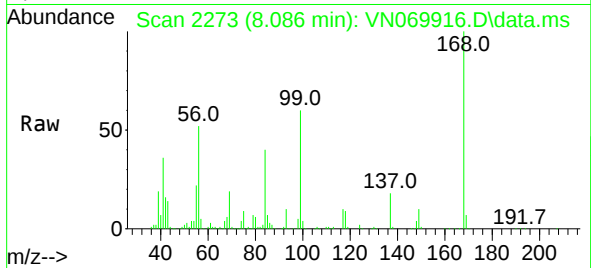




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

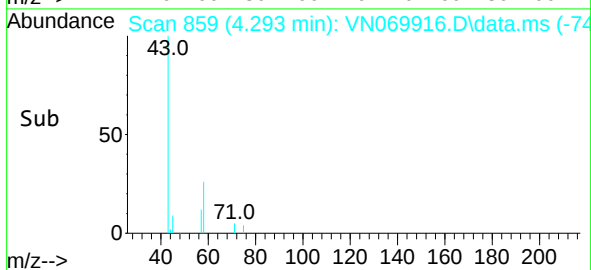
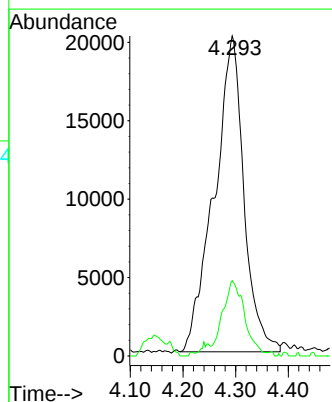
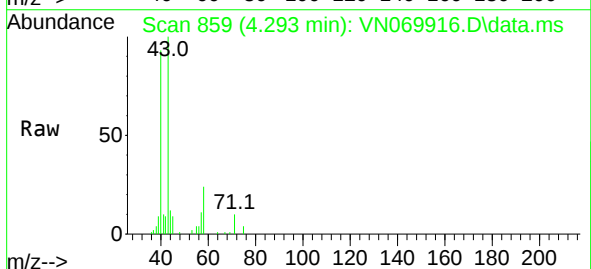
Instrument :
MSVOA_N
ClientSampleId :
MW-6

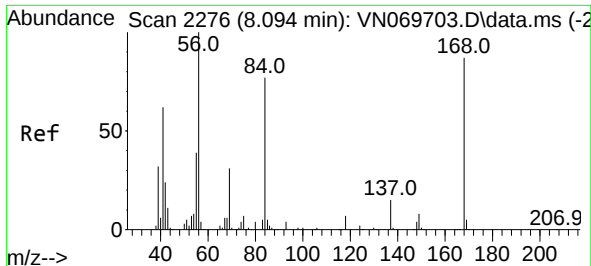
Tgt Ion:168 Resp: 1251363
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#16
Acetone
Concen: 6.791 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

Tgt Ion: 43 Resp: 78931
Ion Ratio Lower Upper
43 100
58 23.8 23.1 34.7

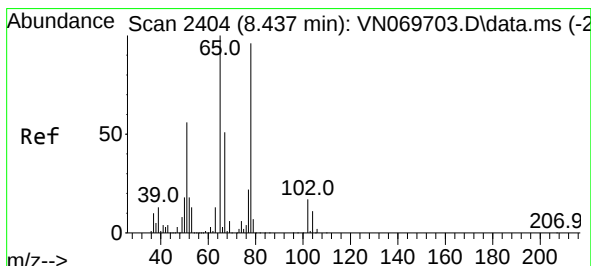
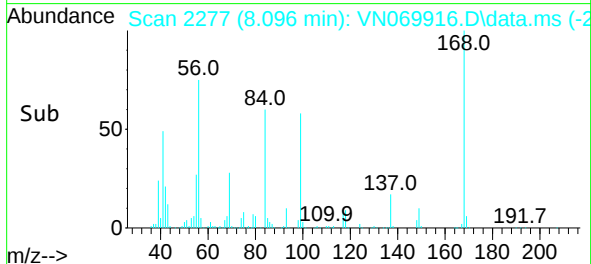
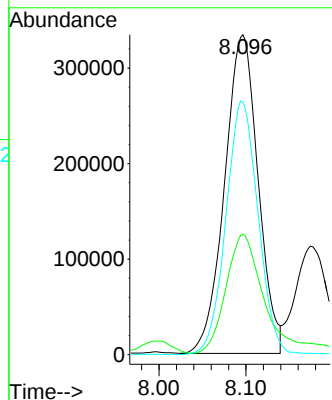
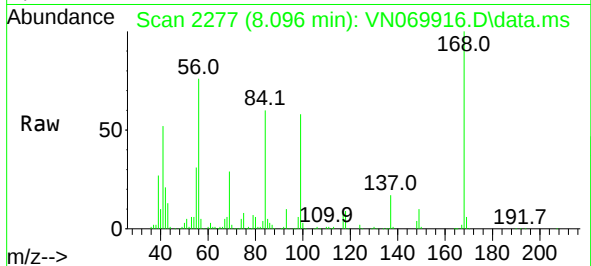




#31
Cyclohexane
Concen: 33.211 ug/l
RT: 8.096 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

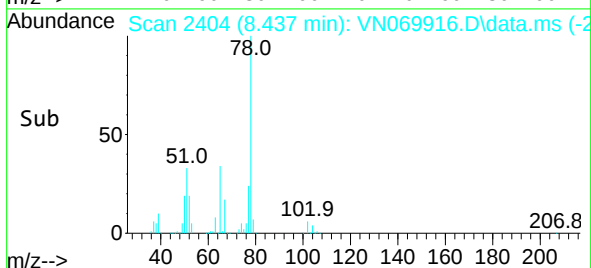
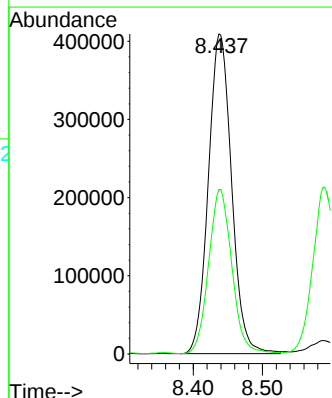
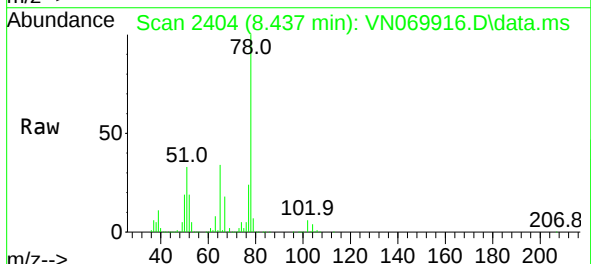
Instrument :
MSVOA_N
ClientSampleId :
MW-6

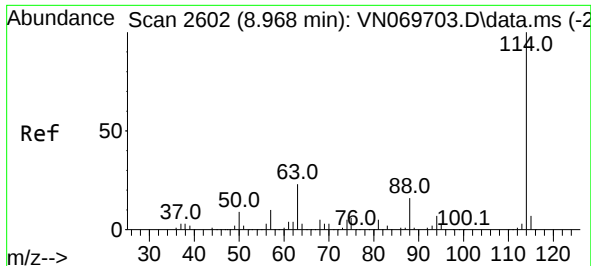
Tgt Ion: 56 Resp: 892992
Ion Ratio Lower Upper
56 100
69 36.5 27.1 40.7
84 79.2 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 49.265 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

Tgt Ion: 65 Resp: 951847
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.000 min

Lab File: VN069916.D

Acq: 9 Dec 2021 17:12

Instrument :

MSVOA_N

ClientSampleId :

MW-6

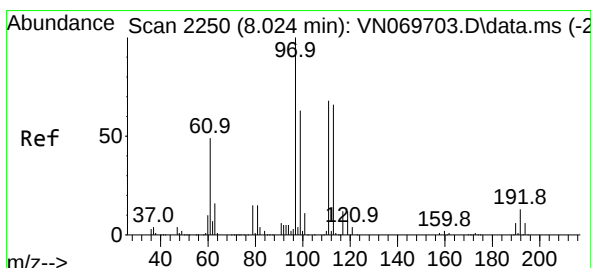
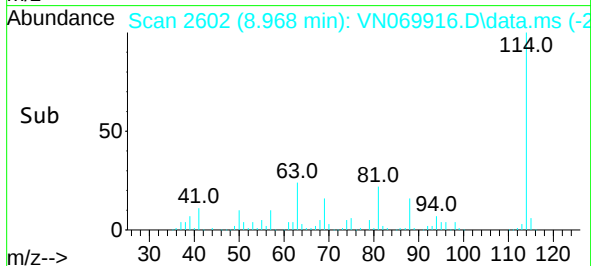
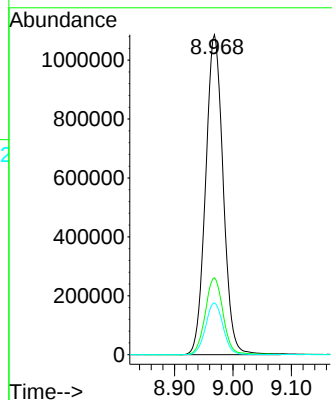
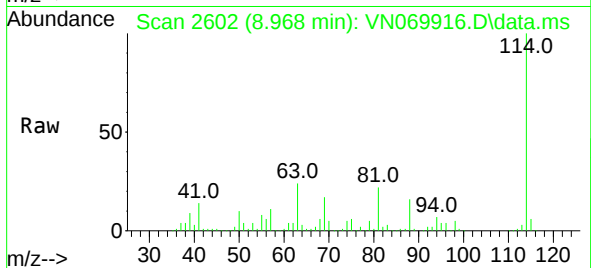
Tgt Ion:114 Resp: 2267722

Ion Ratio Lower Upper

114 100

63 24.1 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 49.264 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN069916.D

Acq: 9 Dec 2021 17:12

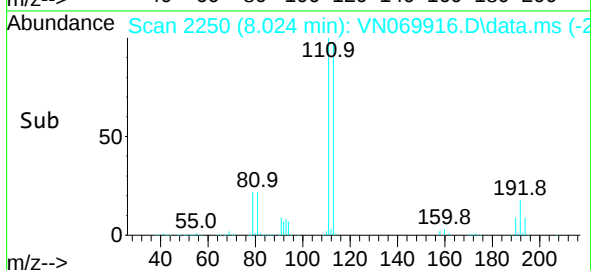
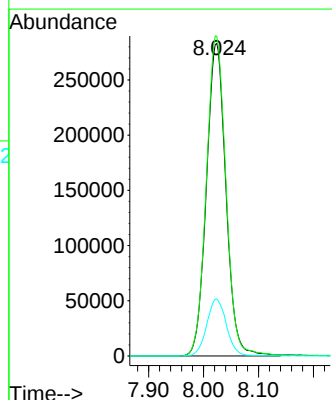
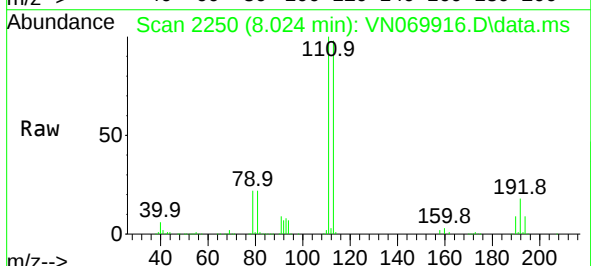
Tgt Ion:113 Resp: 699770

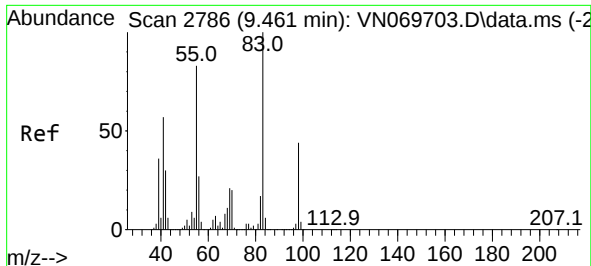
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 18.3 16.9 25.3

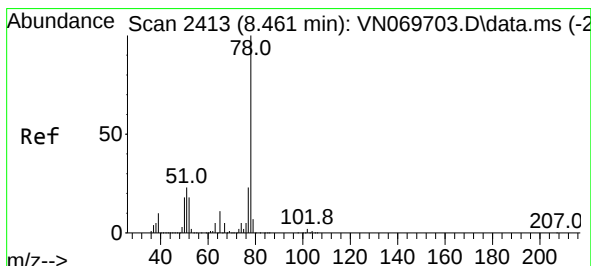
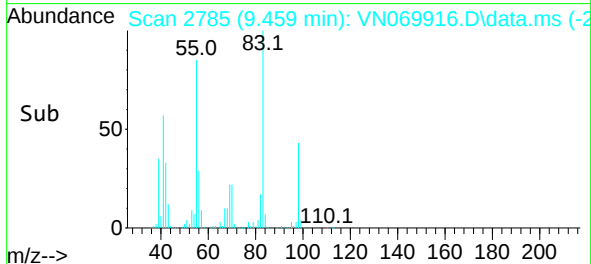
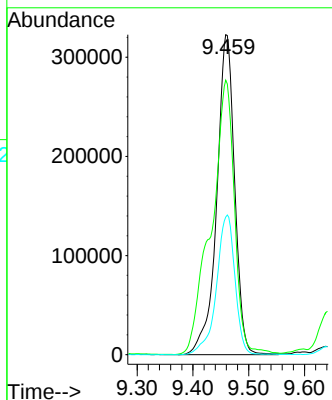
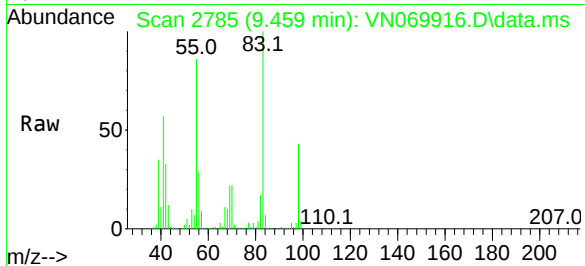




#39
Methylcyclohexane
Concen: 28.118 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

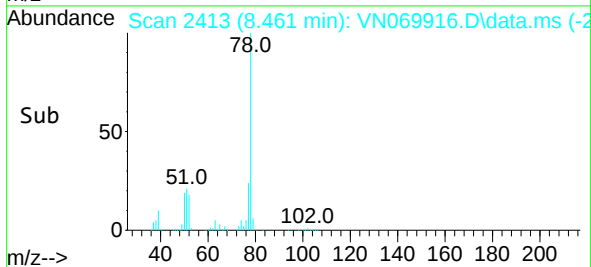
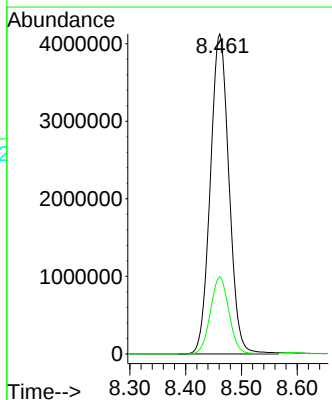
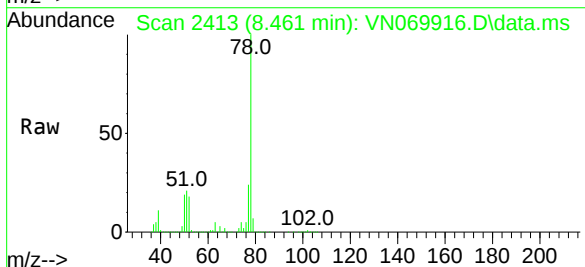
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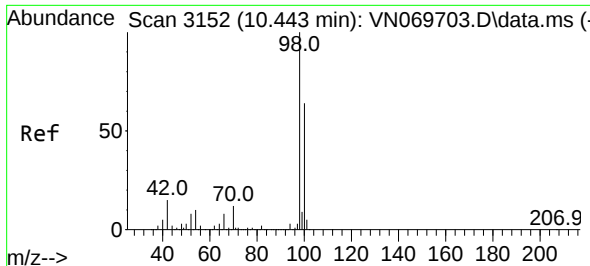
Tgt Ion: 83 Resp: 722039
Ion Ratio Lower Upper
83 100
55 85.6 58.1 87.1
98 43.0 38.4 57.6



#40
Benzene
Concen: 145.306 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

Tgt Ion: 78 Resp: 9588204
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8

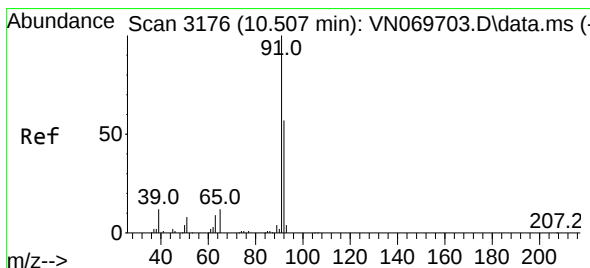
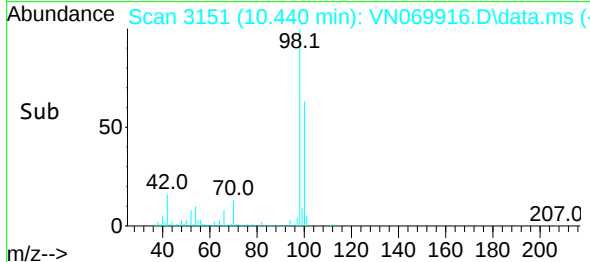
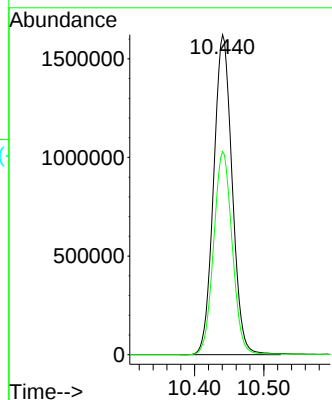
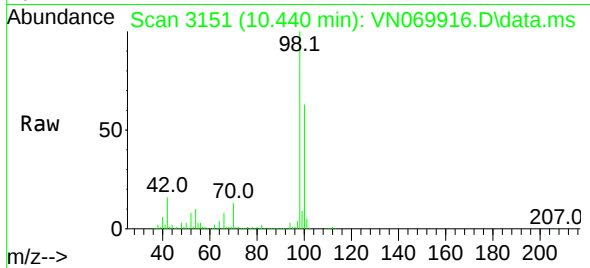




#50
Toluene-d8
Concen: 52.787 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

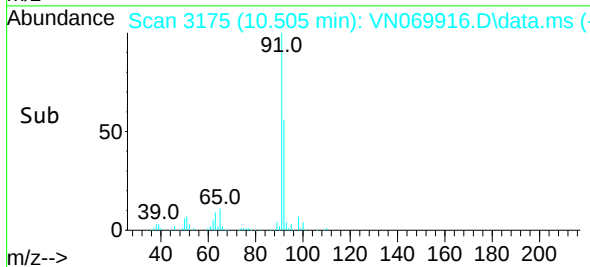
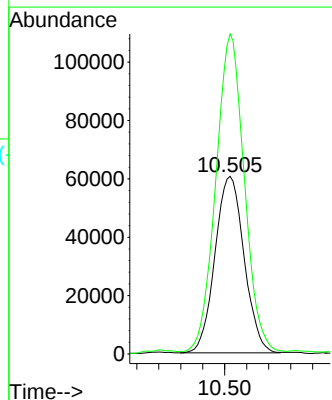
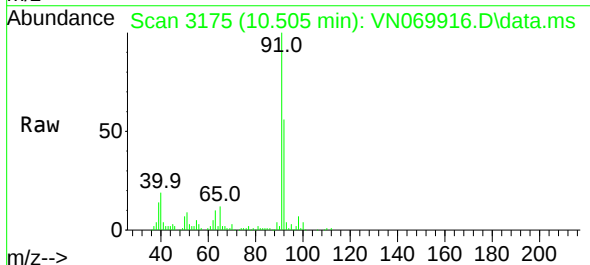
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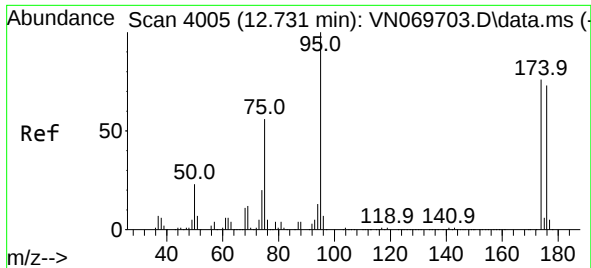
Tgt Ion: 98 Resp: 3010766
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#52
Toluene
Concen: 2.764 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

Tgt Ion: 92 Resp: 111346
Ion Ratio Lower Upper
92 100
91 175.3 142.0 213.0

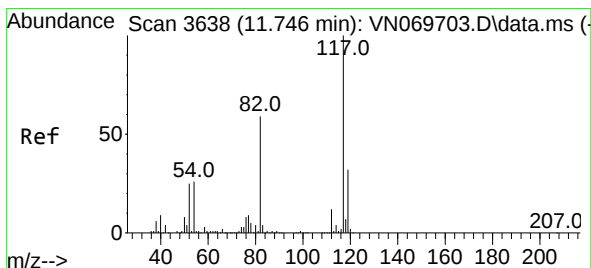
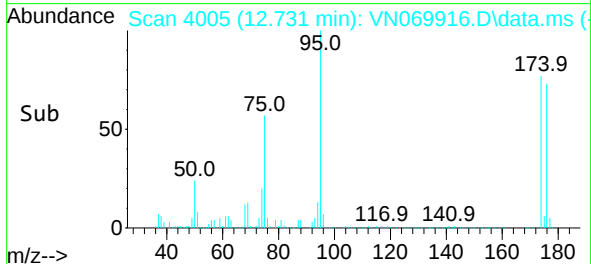
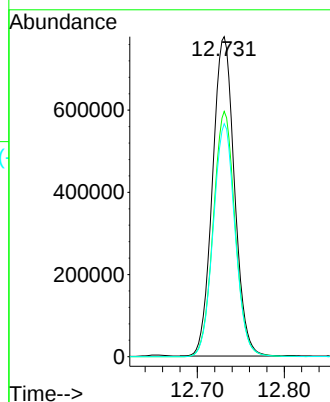
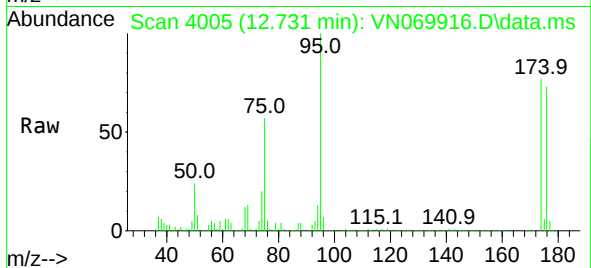




#62
4-Bromofluorobenzene
Concen: 65.909 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

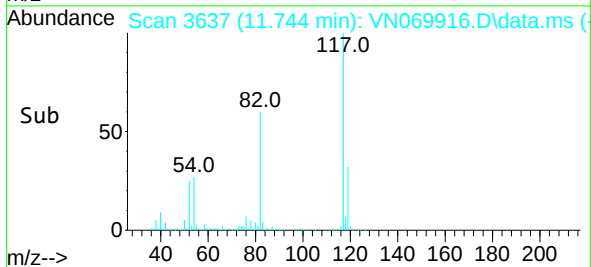
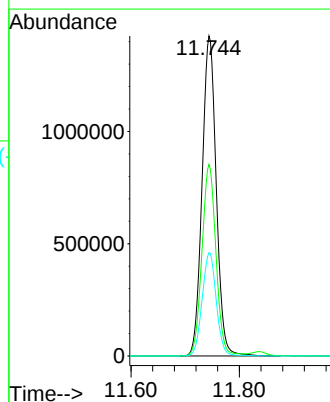
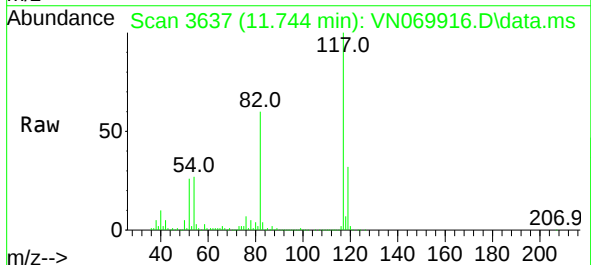
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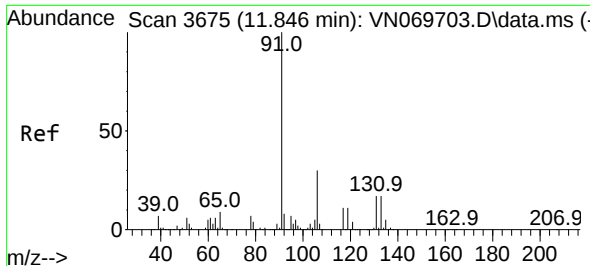
Tgt Ion: 95 Resp: 1361864
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 72.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

Tgt Ion: 117 Resp: 2584647
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 32.3 25.4 38.2





#67

Ethyl Benzene

Concen: 4.465 ug/l

RT: 11.843 min Scan# 3

Delta R.T. -0.003 min

Lab File: VN069916.D

Acq: 9 Dec 2021 17:12

Instrument :

MSVOA_N

ClientSampleId :

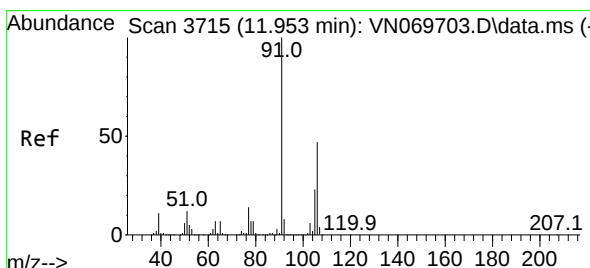
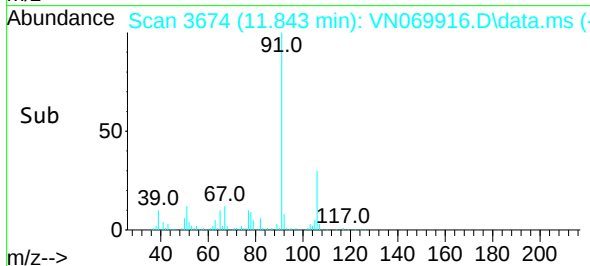
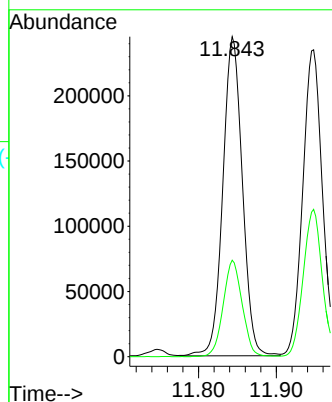
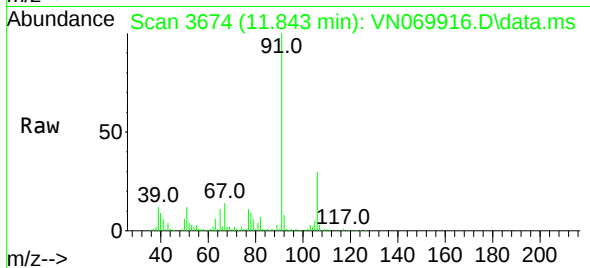
MW-6

Tgt Ion: 91 Resp: 425287

Ion Ratio Lower Upper

91 100

106 30.3 25.7 38.5



#68

m/p-Xylenes

Concen: 5.549 ug/l

RT: 11.948 min Scan# 3713

Delta R.T. -0.005 min

Lab File: VN069916.D

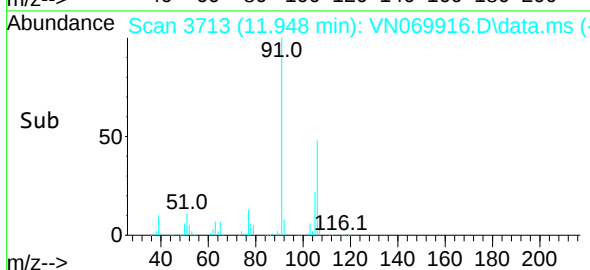
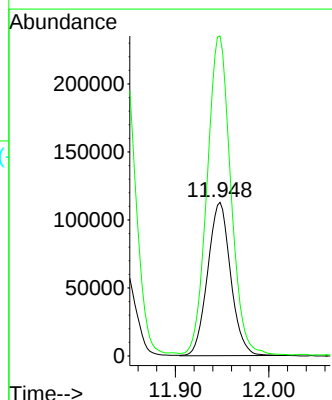
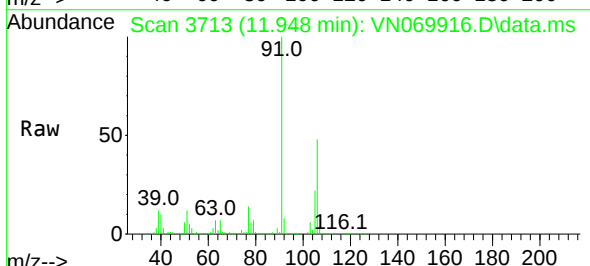
Acq: 9 Dec 2021 17:12

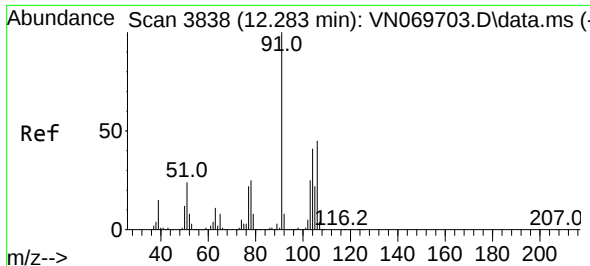
Tgt Ion:106 Resp: 192426

Ion Ratio Lower Upper

106 100

91 214.4 160.6 240.8

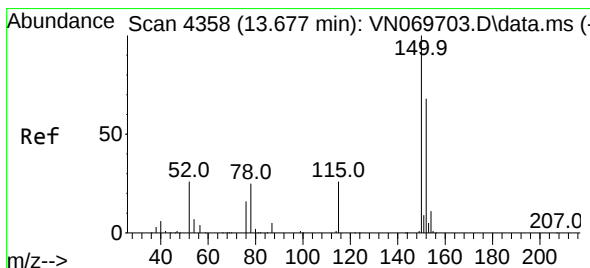
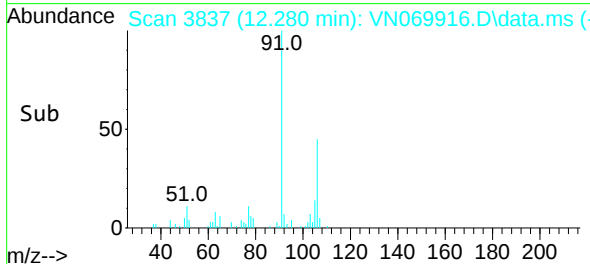
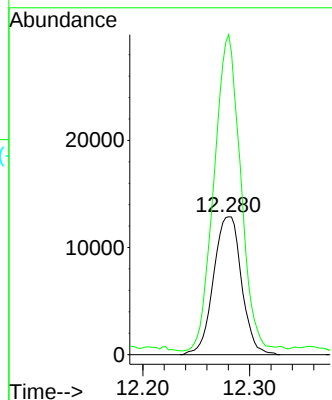
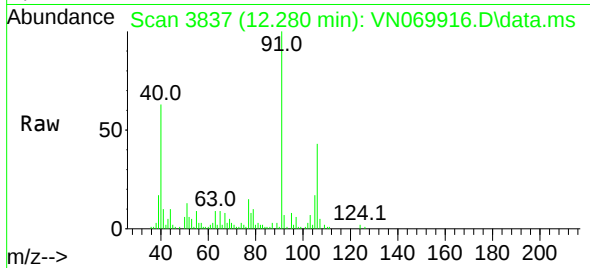




#69
o-Xylene
Concen: 0.671 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

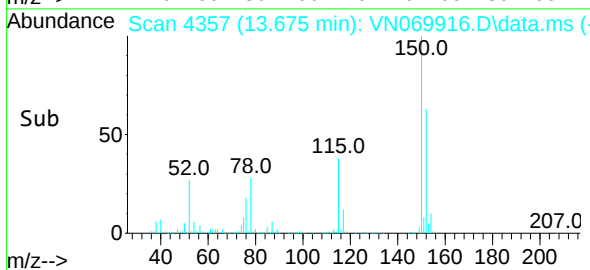
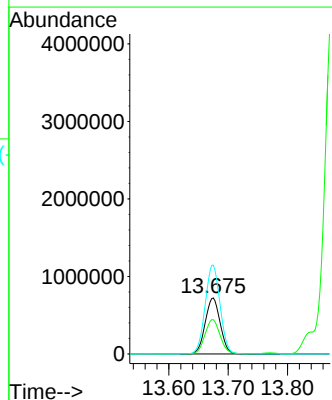
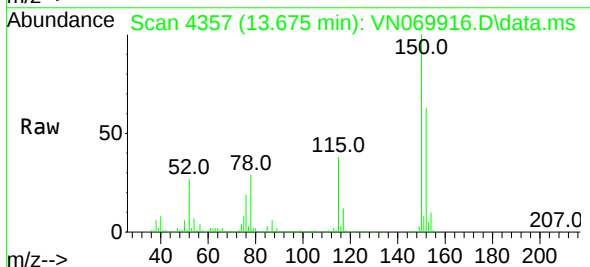
Instrument :
MSVOA_N
ClientSampleId :
MW-6

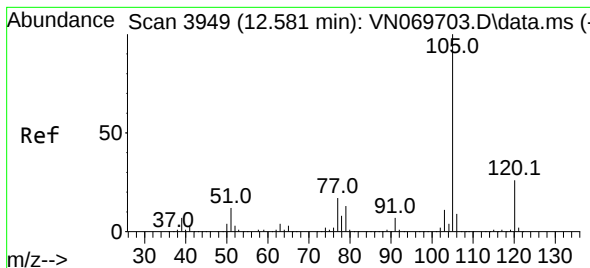
Tgt Ion:106 Resp: 23440
Ion Ratio Lower Upper
106 100
91 216.7 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069916.D
Acq: 9 Dec 2021 17:12

Tgt Ion:152 Resp: 1260111
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 158.2 0.0 344.4





#73

Isopropylbenzene

Concen: 43.316 ug/l

RT: 12.578 min Scan# 3948

Delta R.T. -0.003 min

Lab File: VN069916.D

Acq: 9 Dec 2021 17:12

Instrument :

MSVOA_N

ClientSampleId :

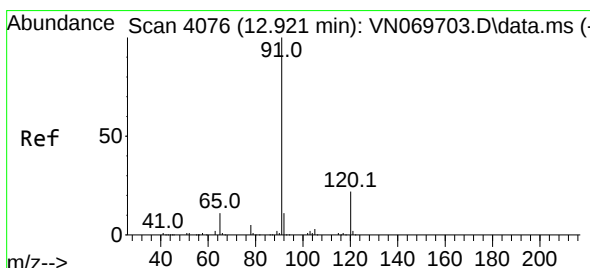
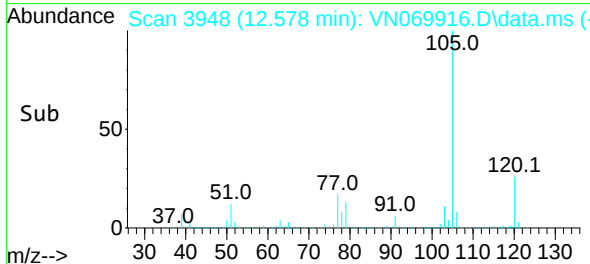
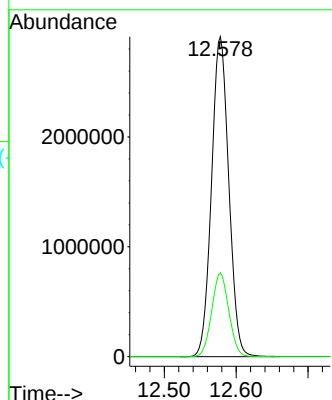
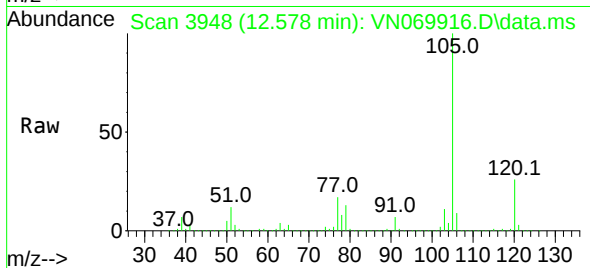
MW-6

Tgt Ion:105 Resp: 4856346

Ion Ratio Lower Upper

105 100

120 26.0 13.4 40.1



#78

n-propylbenzene

Concen: 123.014 ug/l

RT: 12.916 min Scan# 4074

Delta R.T. -0.005 min

Lab File: VN069916.D

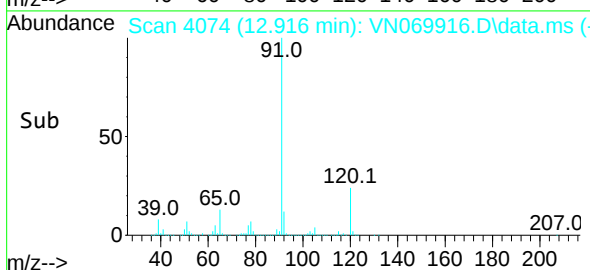
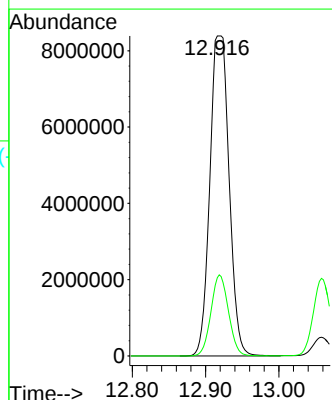
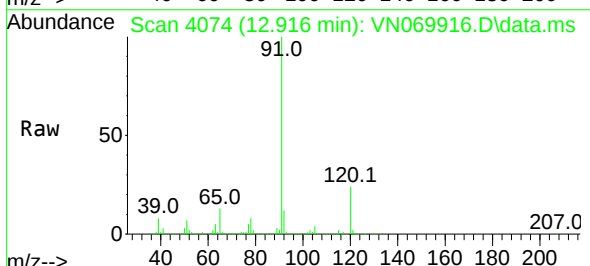
Acq: 9 Dec 2021 17:12

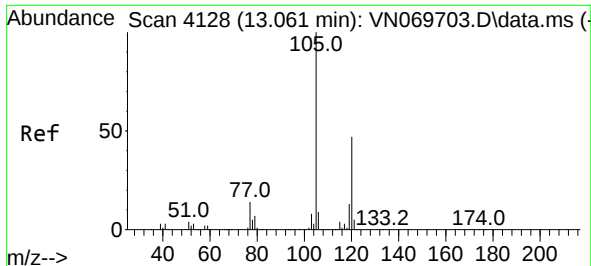
Tgt Ion: 91 Resp:15347041

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.9

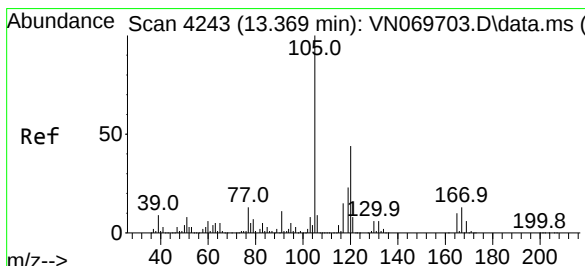
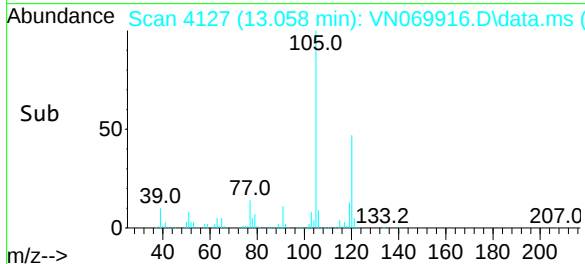
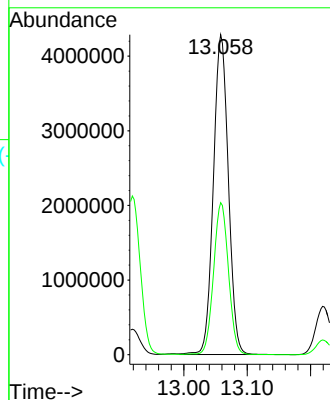
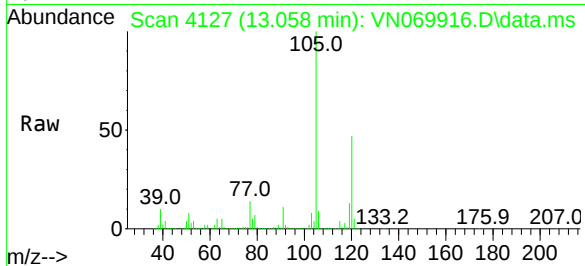




#80
 1,3,5-Trimethylbenzene
 Concen: 77.966 ug/l
 RT: 13.058 min Scan# 4128
 Delta R.T. -0.003 min
 Lab File: VN069916.D
 Acq: 9 Dec 2021 17:12

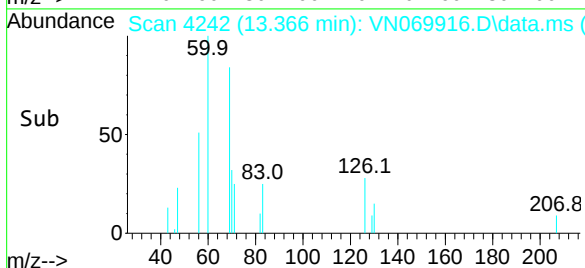
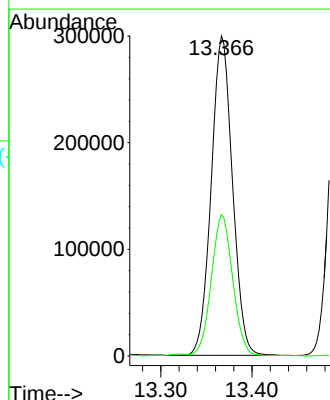
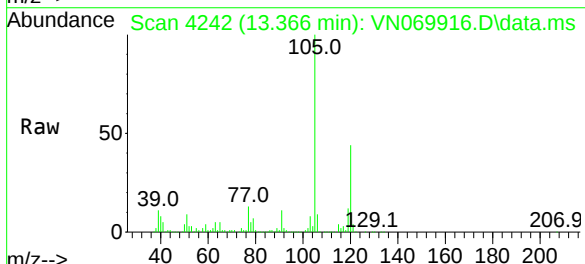
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

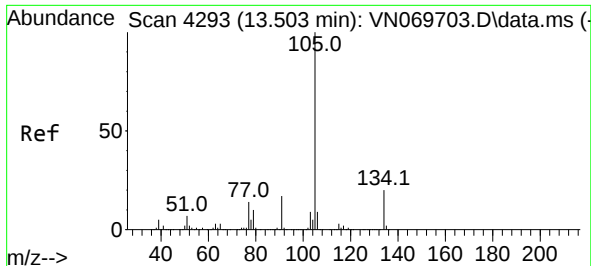
Tgt Ion:105 Resp: 7035569
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.638 ug/l
 RT: 13.366 min Scan# 4242
 Delta R.T. -0.003 min
 Lab File: VN069916.D
 Acq: 9 Dec 2021 17:12

Tgt Ion:105 Resp: 484547
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.8 68.4

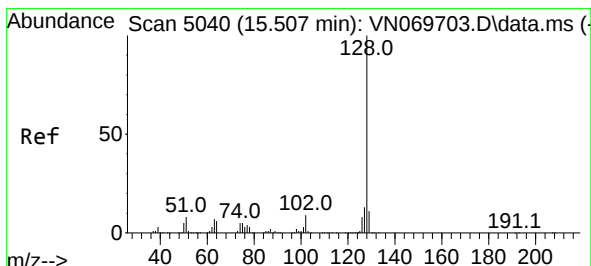
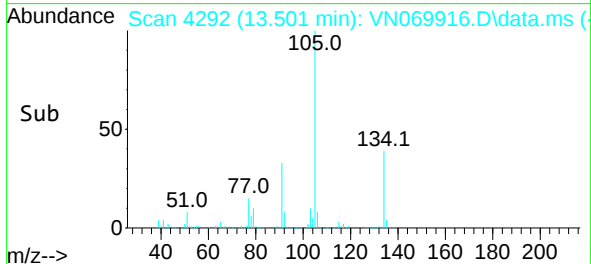
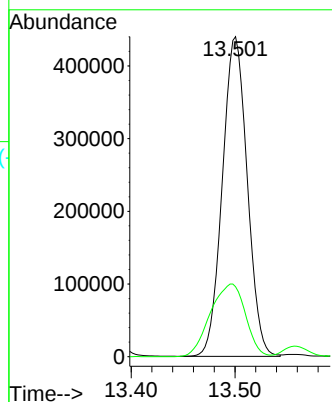
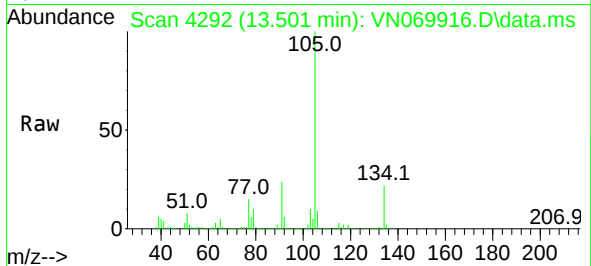




#85
 sec-Butylbenzene
 Concen: 6.749 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069916.D
 Acq: 9 Dec 2021 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Tgt Ion:105 Resp: 731526
 Ion Ratio Lower Upper
 105 100
 134 32.2 10.4 31.1#



#95
 Naphthalene
 Concen: 172.504 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.003 min
 Lab File: VN069916.D
 Acq: 9 Dec 2021 17:12

Tgt Ion:128 Resp:11276399
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.5 15.7
 129 11.0 8.7 13.1

