

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069917.D
 Acq On : 9 Dec 2021 17:37
 Operator : JC/MD
 Sample : M4969-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

Quant Time: Dec 10 06:18:31 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)

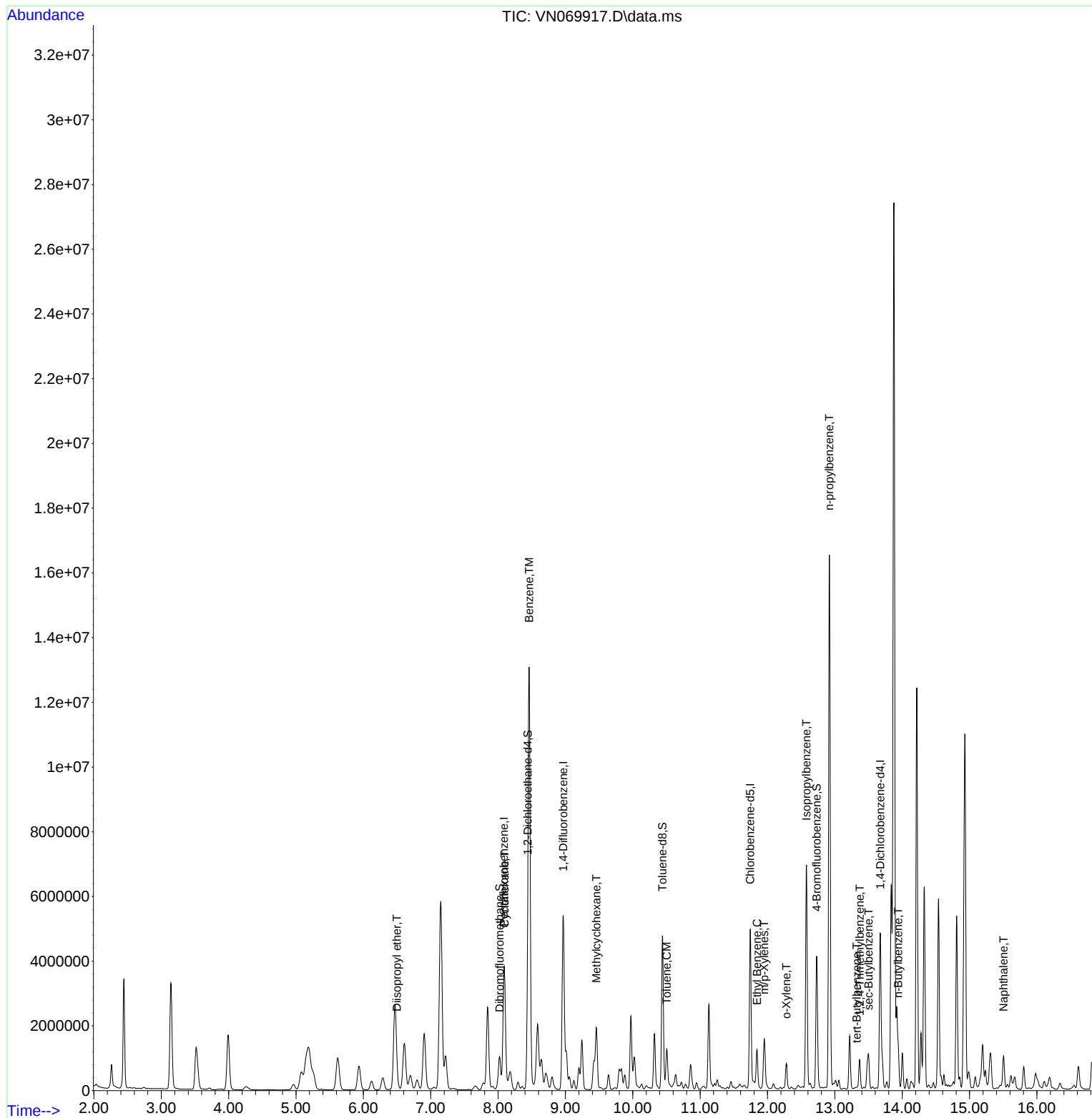
Internal Standards						
1) Pentafluorobenzene	8.086	168	1284217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2318722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2626527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1244301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	976734	49.260	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.520%
35) Dibromofluoromethane	8.021	113	712078	49.028	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.060%
50) Toluene-d8	10.441	98	3075456	52.735	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.480%
62) 4-Bromofluorobenzene	12.731	95	1382925	65.456	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	130.920%
Target Compounds						
					Qvalue	
22) Diisopropyl ether	6.498	45	177495	3.294	ug/l #	90
31) Cyclohexane	8.096	56	1307675	47.390	ug/l	90
39) Methylcyclohexane	9.459	83	773409	29.457	ug/l #	87
40) Benzene	8.461	78	12535758	185.797	ug/l	98
52) Toluene	10.505	92	513326	12.462	ug/l	97
67) Ethyl Benzene	11.843	91	763387	7.887	ug/l	96
68) m/p-Xylenes	11.953	106	484891	13.759	ug/l	91
69) o-Xylene	12.280	106	213363	6.011	ug/l	95
73) Isopropylbenzene	12.578	105	4518474	40.814	ug/l	99
78) n-propylbenzene	12.919	91	13069879	106.092	ug/l	97
83) tert-Butylbenzene	13.324	119	20877	0.265	ug/l #	81
84) 1,2,4-Trimethylbenzene	13.369	105	481185	5.670	ug/l	98
85) sec-Butylbenzene	13.501	105	641122	5.991	ug/l #	72
89) n-Butylbenzene	13.940	91	862330	12.707	ug/l #	73
95) Naphthalene	15.504	128	918506	17.886	ug/l	98

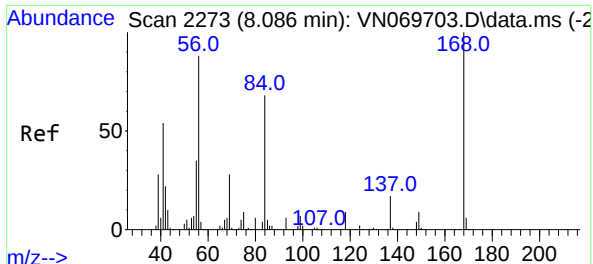
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

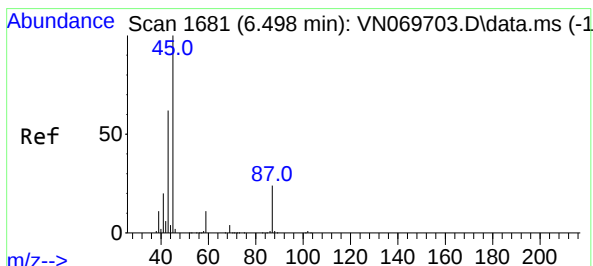
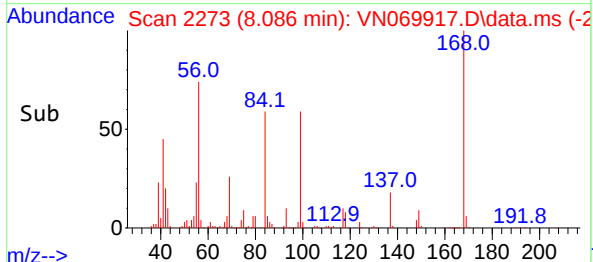
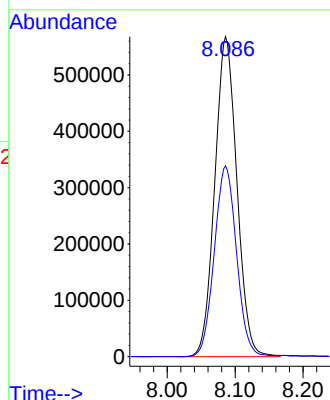
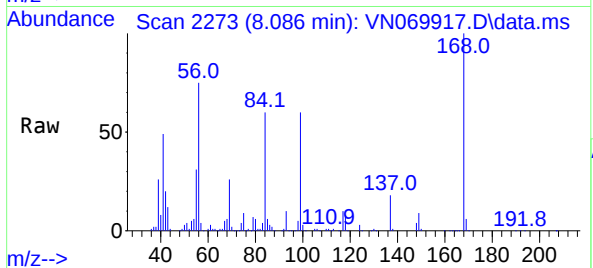




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

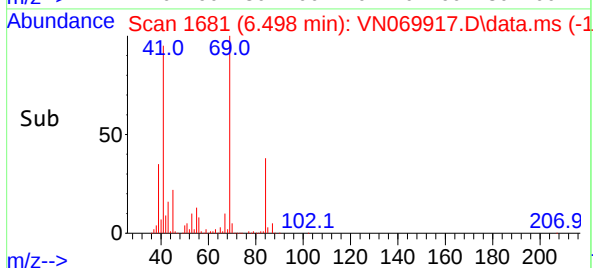
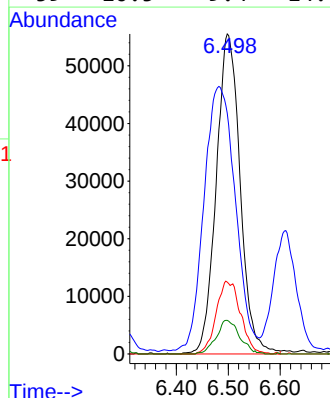
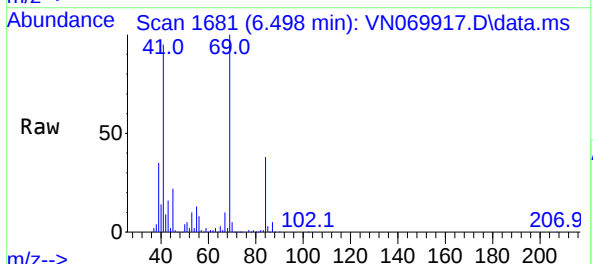
Instrument :
MSVOA_N
ClientSampleId :
MW-4A

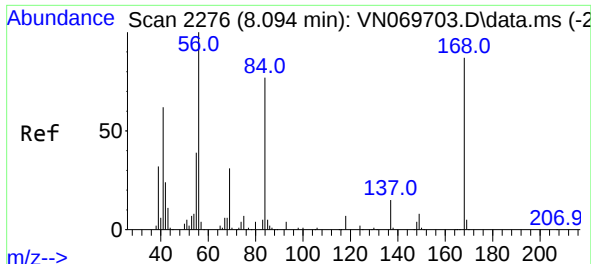
Tgt Ion:168 Resp: 1284217
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#22
Diisopropyl ether
Concen: 3.294 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

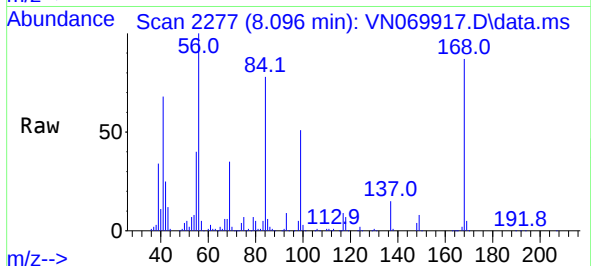
Tgt Ion: 45 Resp: 177495
Ion Ratio Lower Upper
45 100
43 73.2 51.7 77.5
87 22.5 23.2 34.8#
59 10.5 9.4 14.0



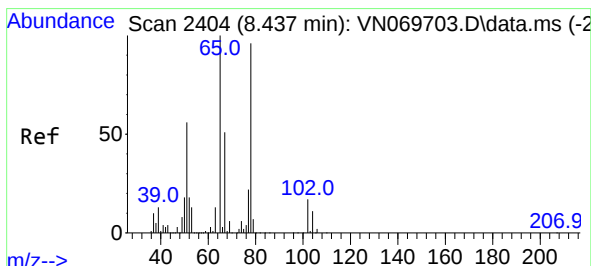
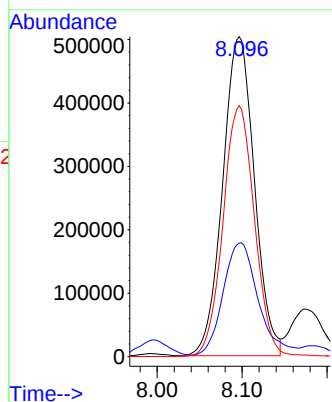
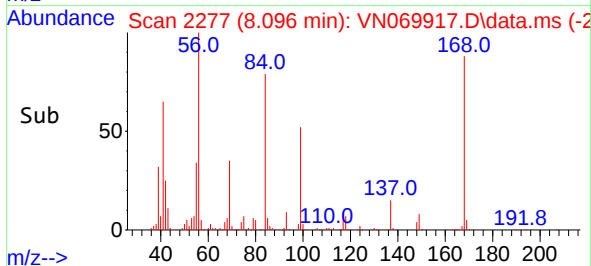


#31
Cyclohexane
Concen: 47.390 ug/l
RT: 8.096 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

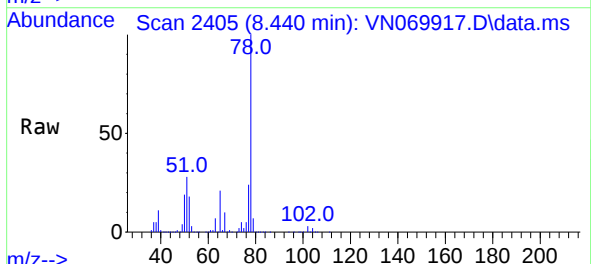
Instrument :
MSVOA_N
ClientSampleId :
MW-4A



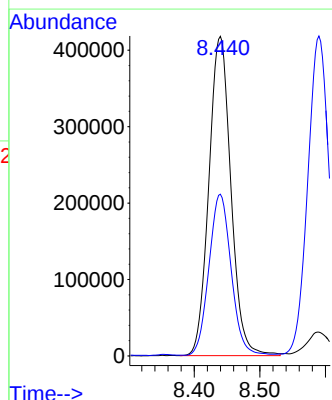
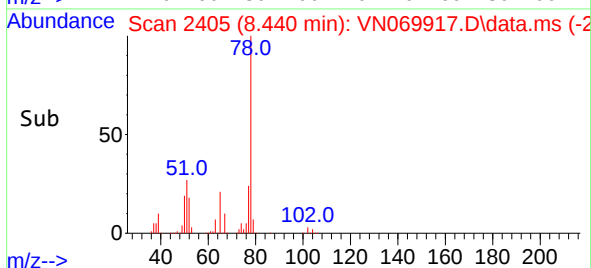
Tgt Ion: 56 Resp: 1307675
Ion Ratio Lower Upper
56 100
69 34.4 27.1 40.7
84 78.6 73.4 110.0

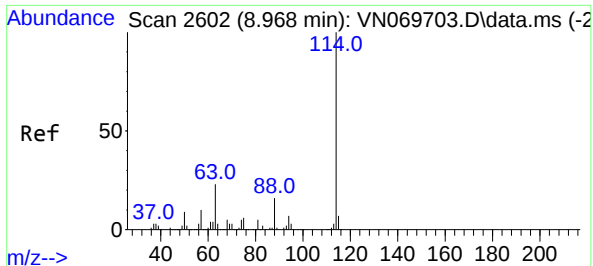


#33
1,2-Dichloroethane-d4
Concen: 49.260 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37



Tgt Ion: 65 Resp: 976734
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

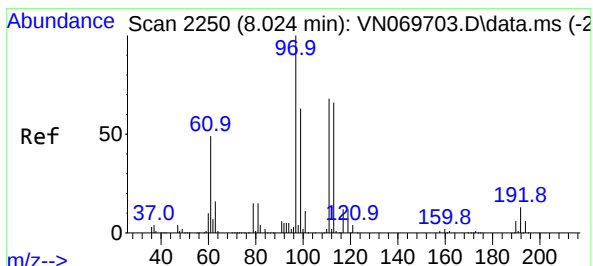
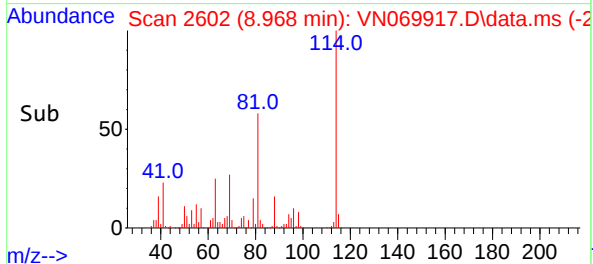
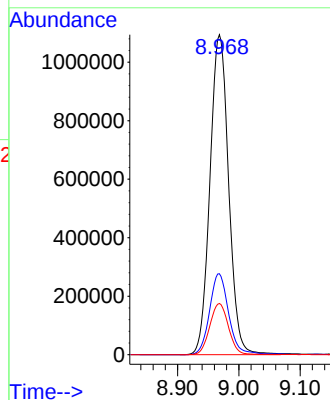
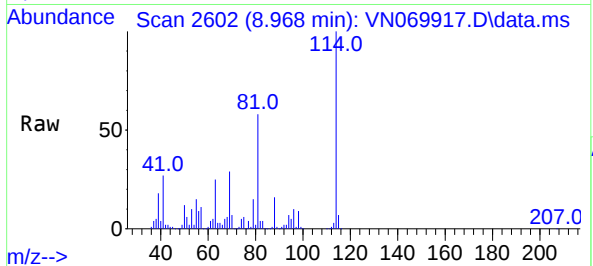




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

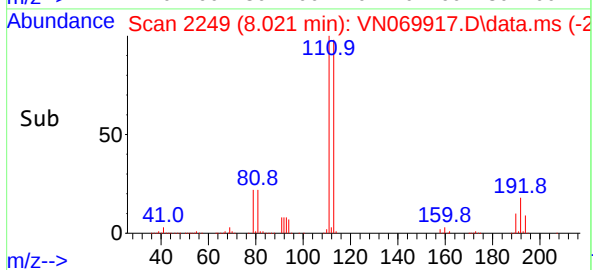
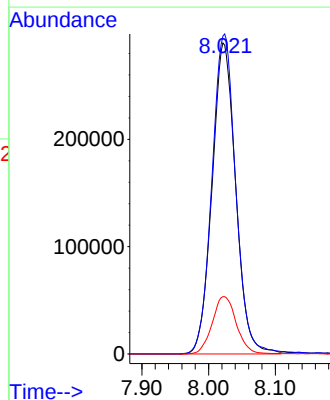
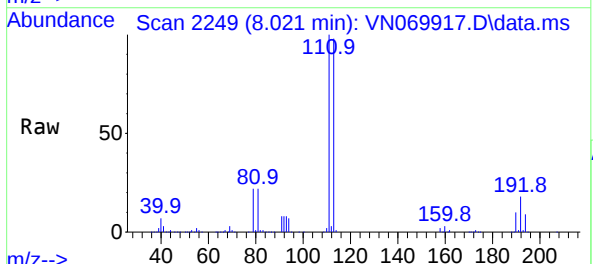
Instrument :
MSVOA_N
ClientSampleId :
MW-4A

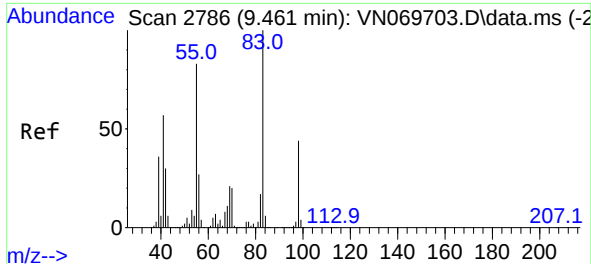
Tgt Ion:114 Resp: 2318722
Ion Ratio Lower Upper
114 100
63 25.3 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.028 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion:113 Resp: 712078
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 18.9 16.9 25.3

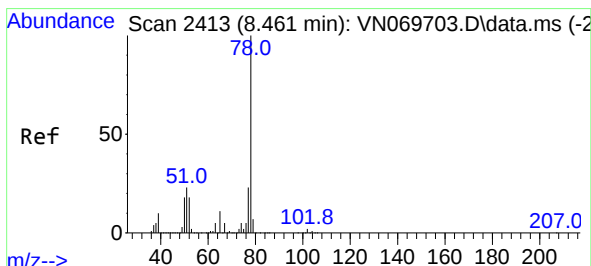
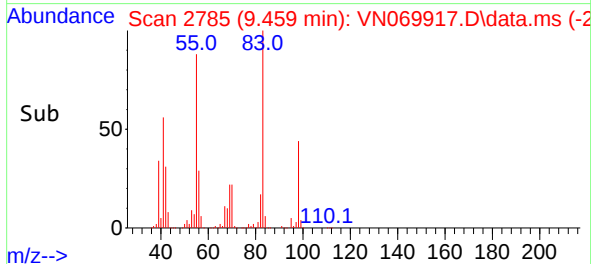
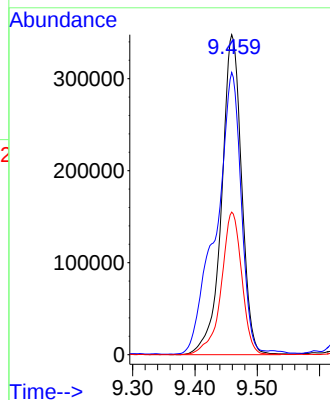
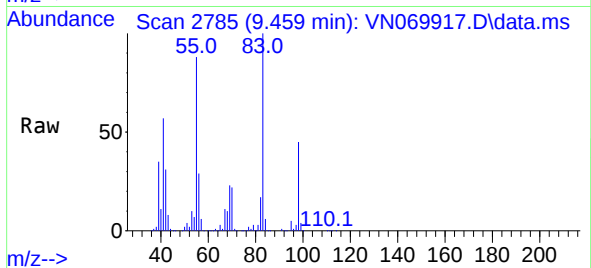




#39
Methylcyclohexane
Concen: 29.457 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

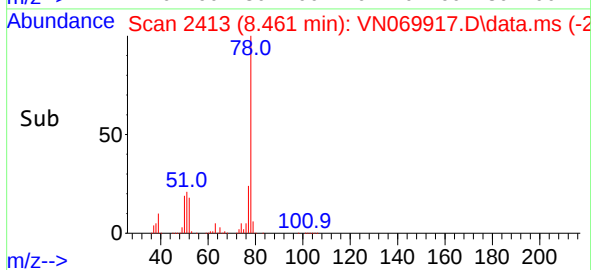
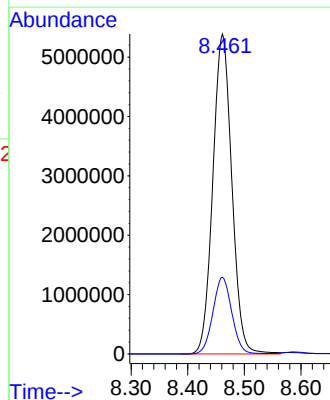
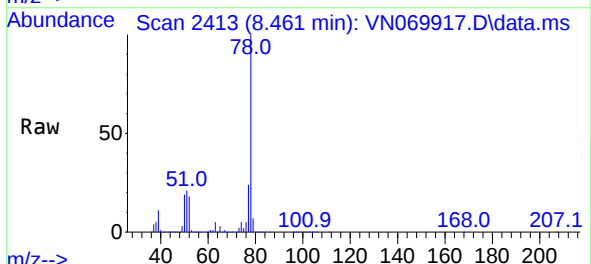
Instrument :
MSVOA_N
ClientSampleId :
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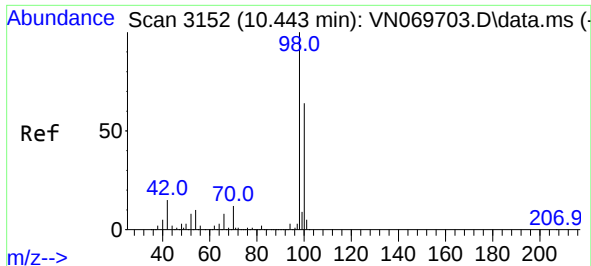
Tgt Ion: 83 Resp: 773409
Ion Ratio Lower Upper
83 100
55 87.9 58.1 87.1#
98 44.6 38.4 57.6



#40
Benzene
Concen: 185.797 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion: 78 Resp:12535758
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8

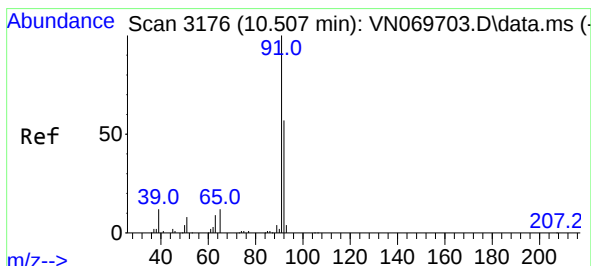
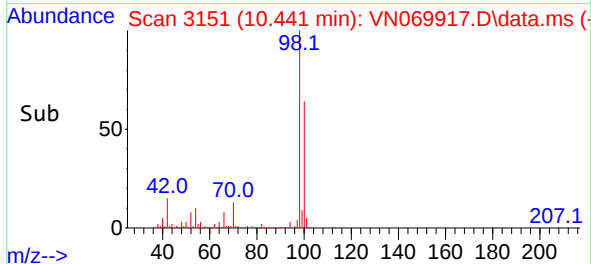
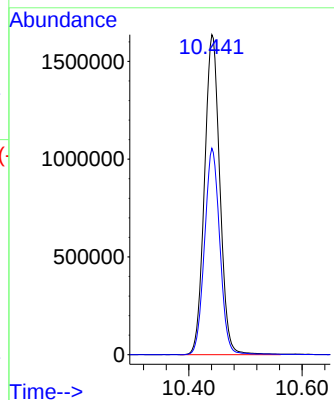
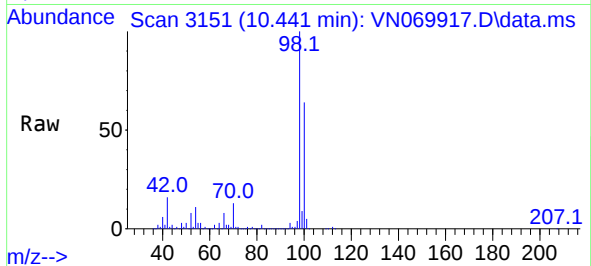




#50
Toluene-d8
Concen: 52.735 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

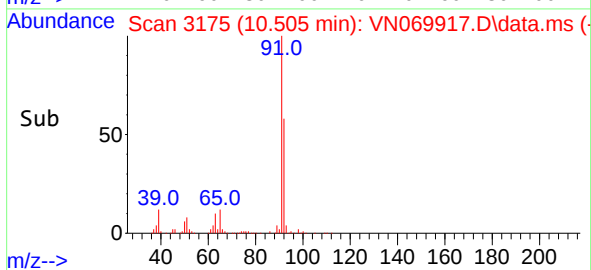
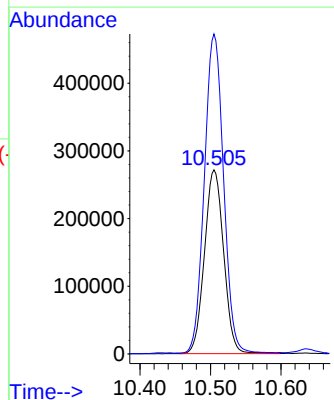
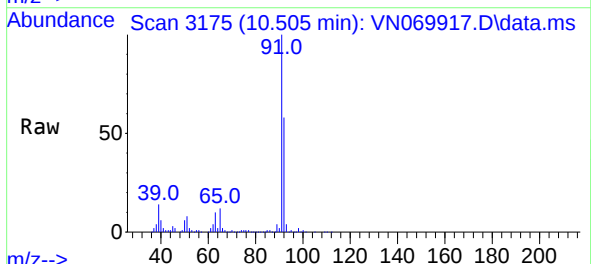
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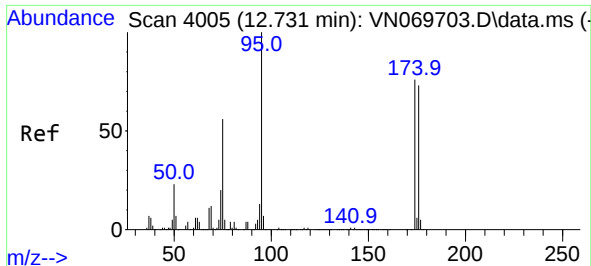
Tgt Ion: 98 Resp: 3075456
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#52
Toluene
Concen: 12.462 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion: 92 Resp: 513326
Ion Ratio Lower Upper
92 100
91 173.0 142.0 213.0

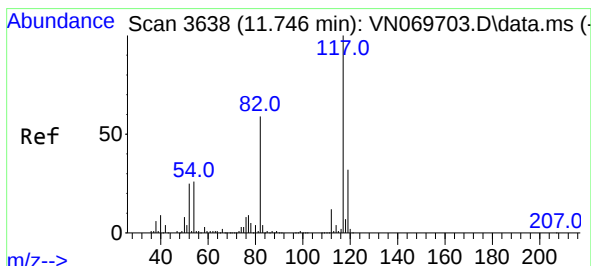
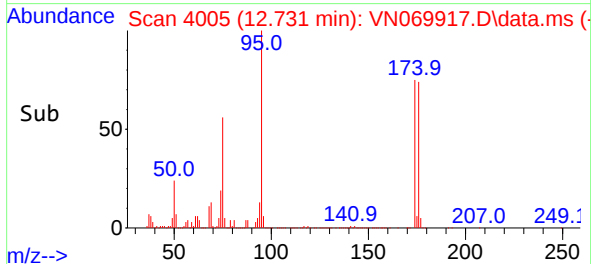
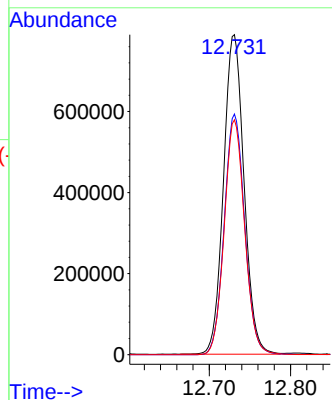
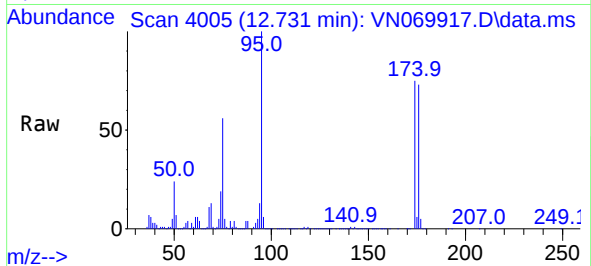




#62
4-Bromofluorobenzene
Concen: 65.456 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

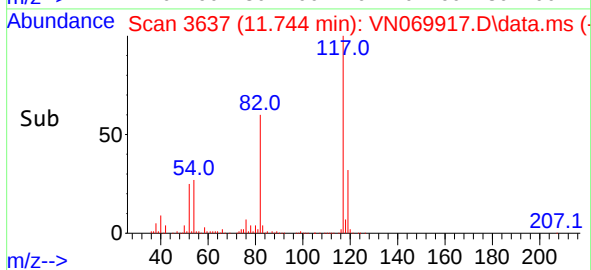
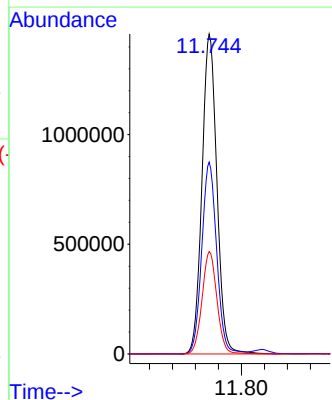
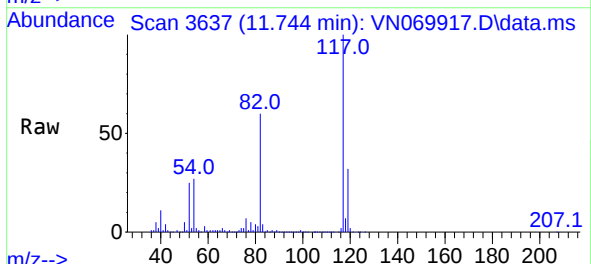
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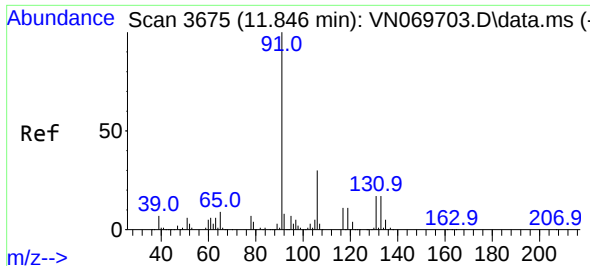
Tgt Ion: 95 Resp: 1382925
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion: 117 Resp: 2626527
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.0 25.4 38.2

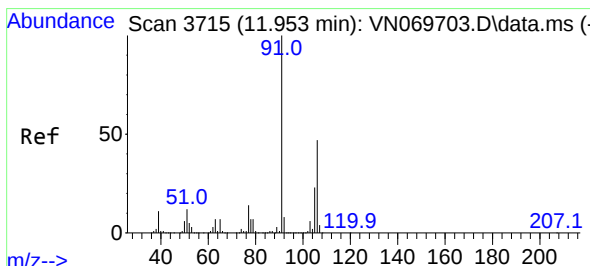
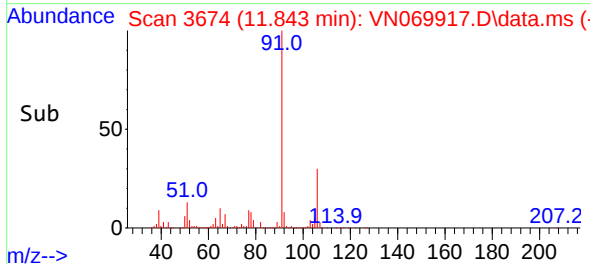
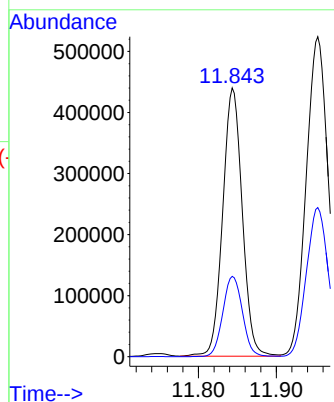
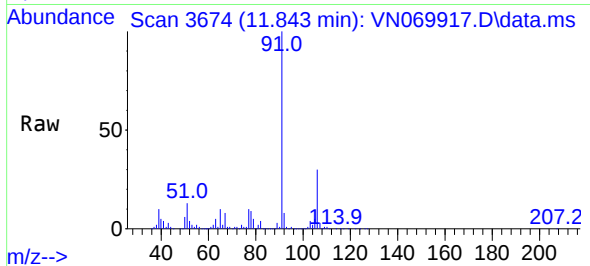




#67
Ethyl Benzene
Concen: 7.887 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

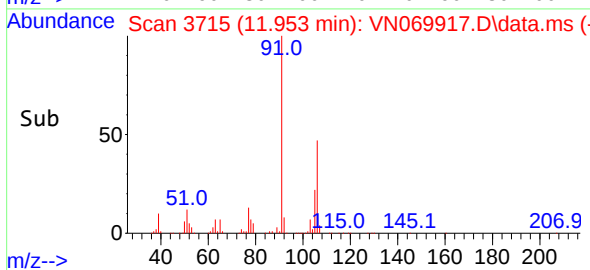
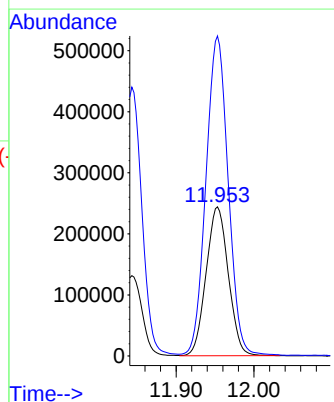
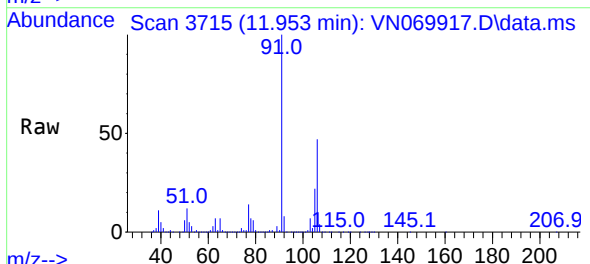
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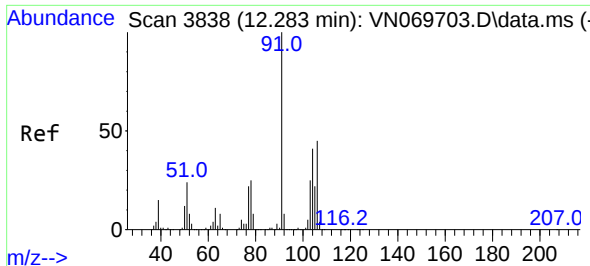
Tgt Ion: 91 Resp: 763387
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5



#68
m/p-Xylenes
Concen: 13.759 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion:106 Resp: 484891
Ion Ratio Lower Upper
106 100
91 213.7 160.6 240.8

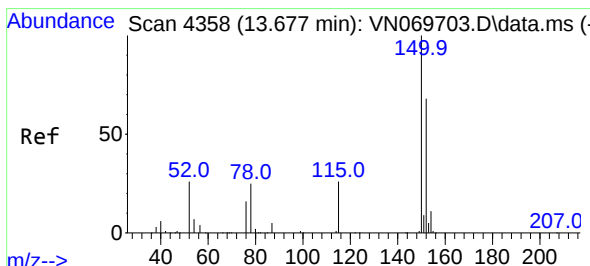
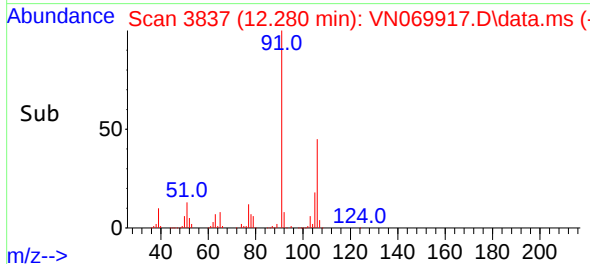
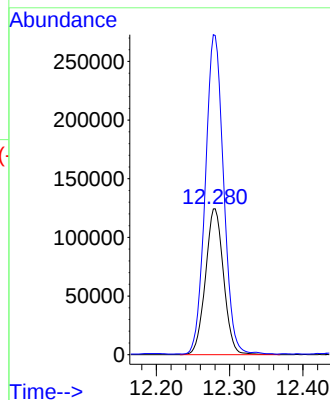
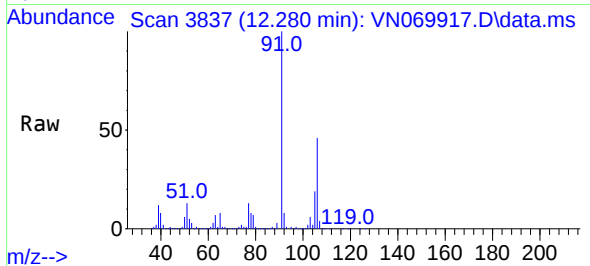




#69
o-Xylene
Concen: 6.011 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

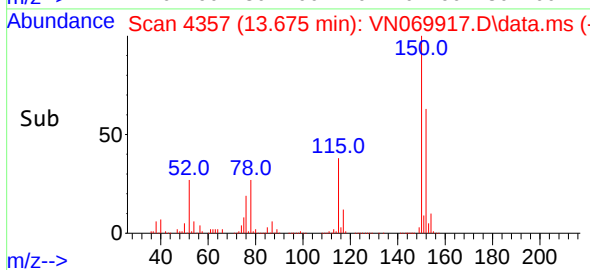
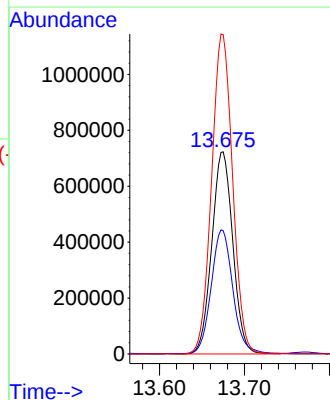
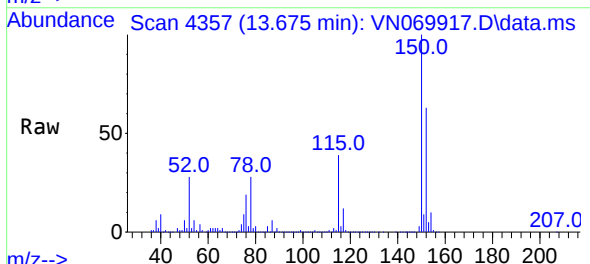
Instrument :
MSVOA_N
ClientSampleId :
MW-4A

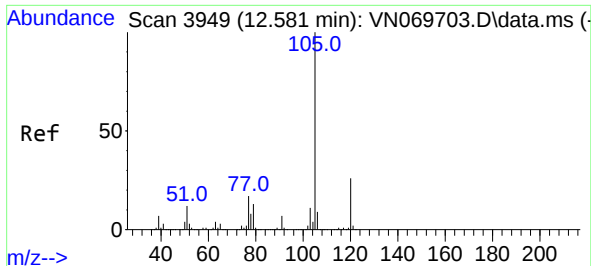
Tgt Ion:106 Resp: 213363
Ion Ratio Lower Upper
106 100
91 219.6 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion:152 Resp: 1244301
Ion Ratio Lower Upper
152 100
115 62.4 27.5 82.5
150 157.9 0.0 344.4

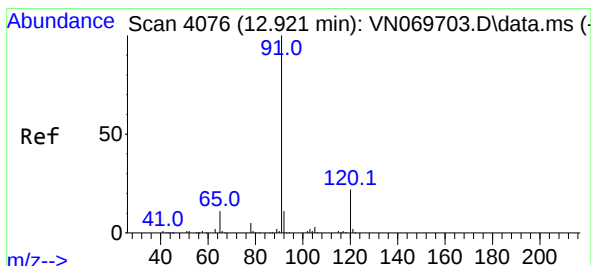
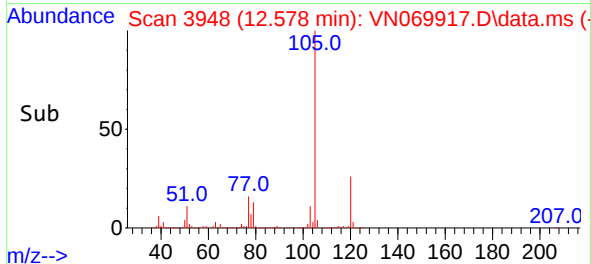
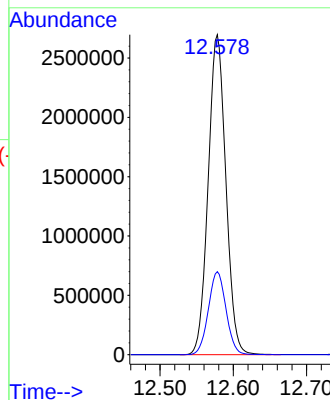
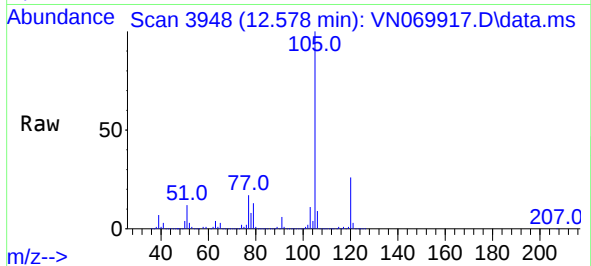




#73
Isopropylbenzene
Concen: 40.814 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

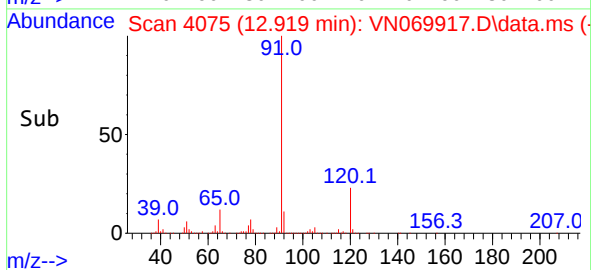
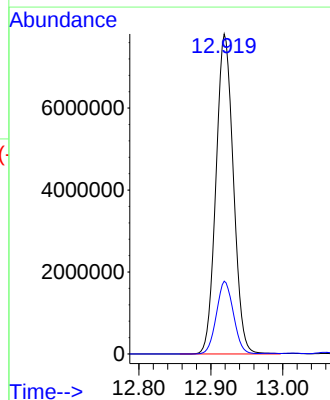
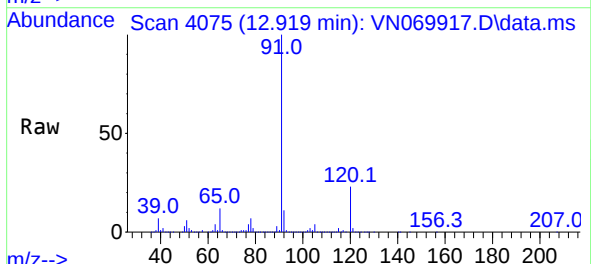
Instrument :
MSVOA_N
ClientSampleId :
MW-4A

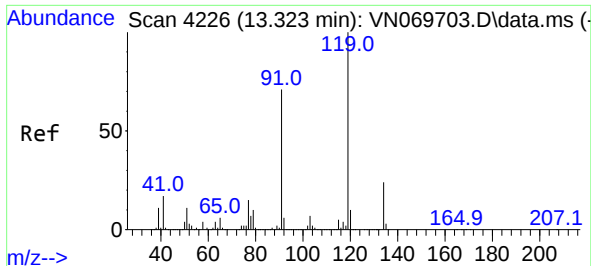
Tgt Ion:105 Resp: 4518474
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.1



#78
n-propylbenzene
Concen: 106.092 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.002 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion: 91 Resp:13069879
Ion Ratio Lower Upper
91 100
120 22.2 11.9 35.9

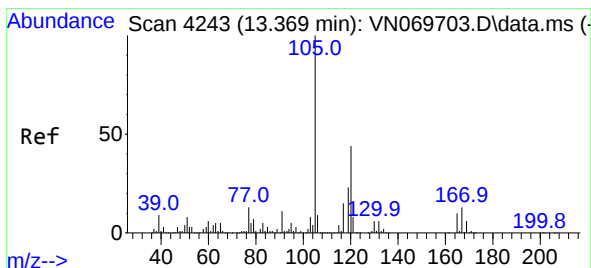
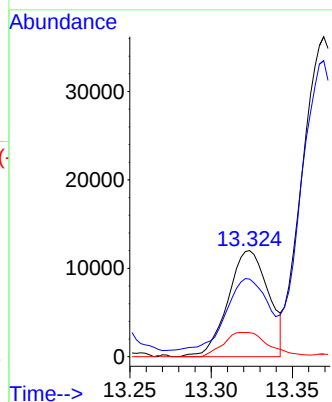




#83
tert-Butylbenzene
Concen: 0.265 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. 0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

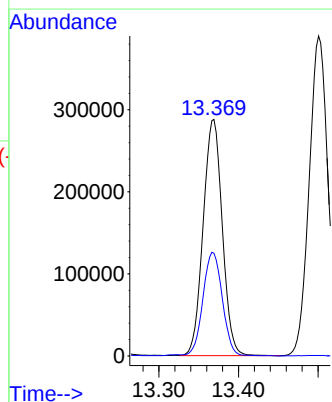
Instrument :
MSVOA_N
ClientSampleId :
MW-4A

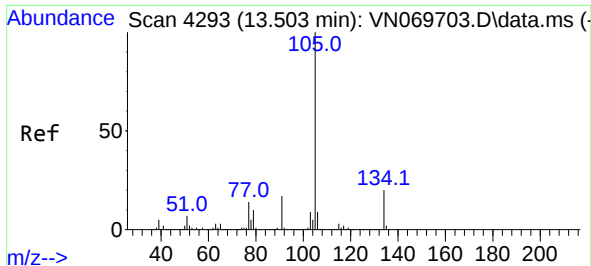
Tgt Ion:119 Resp: 20877
Ion Ratio Lower Upper
119 100
91 68.5 31.5 94.5
134 0.0 12.4 37.4#



#84
1,2,4-Trimethylbenzene
Concen: 5.670 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Tgt Ion:105 Resp: 481185
Ion Ratio Lower Upper
105 100
120 44.1 22.8 68.4

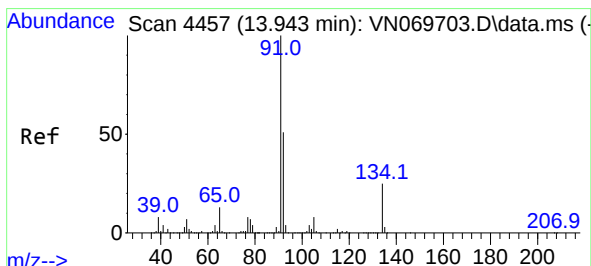
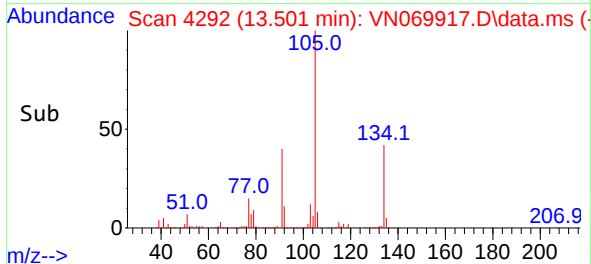
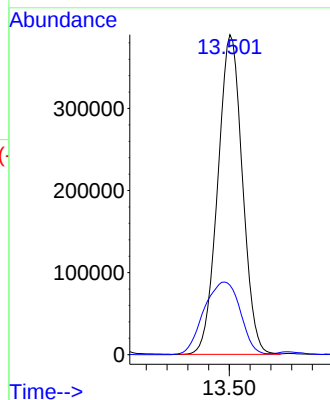
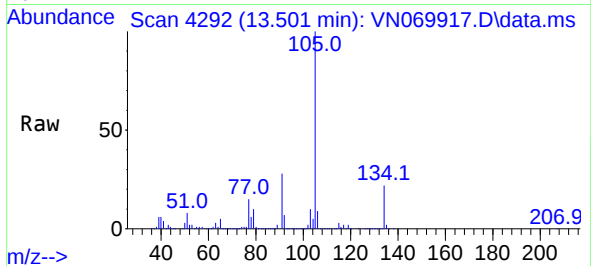




#85
 sec-Butylbenzene
 Concen: 5.991 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN069917.D
 Acq: 9 Dec 2021 17:37

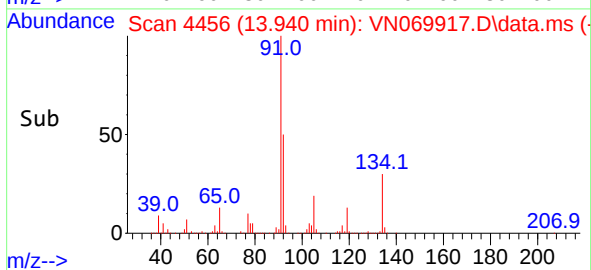
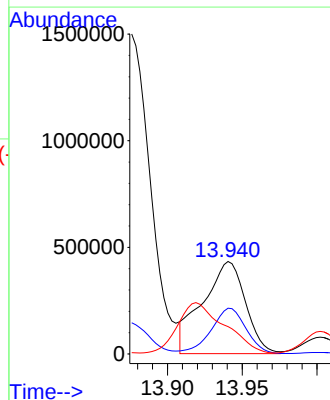
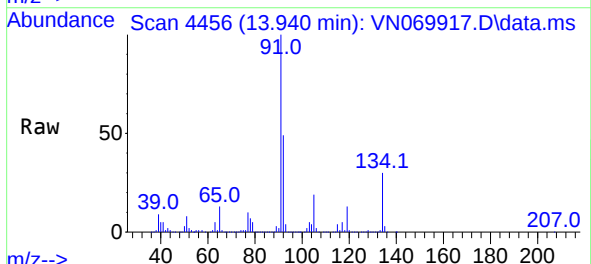
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

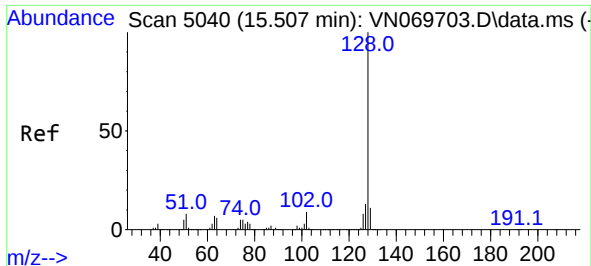
Tgt Ion:105 Resp: 641122
 Ion Ratio Lower Upper
 105 100
 134 33.6 10.4 31.1#



#89
 n-Butylbenzene
 Concen: 12.707 ug/l
 RT: 13.940 min Scan# 4456
 Delta R.T. -0.002 min
 Lab File: VN069917.D
 Acq: 9 Dec 2021 17:37

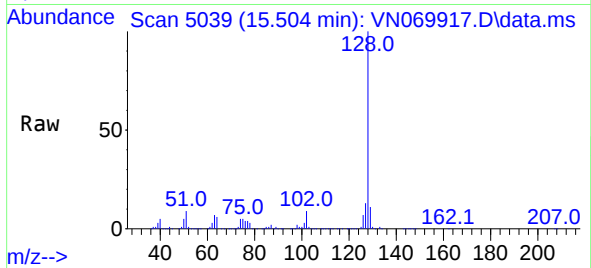
Tgt Ion: 91 Resp: 862330
 Ion Ratio Lower Upper
 91 100
 92 41.0 25.4 76.0
 134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 17.886 ug/l
RT: 15.504 min Scan# 50
Delta R.T. -0.003 min
Lab File: VN069917.D
Acq: 9 Dec 2021 17:37

Instrument :
MSVOA_N
ClientSampleId :
MW-4A



Tgt Ion:128 Resp: 918506
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 10.0 8.7 13.1

