

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070113.D
 Acq On : 15 Dec 2021 15:52
 Operator : JC/MD
 Sample : M4970-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27

Quant Time: Dec 16 05:39:37 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)

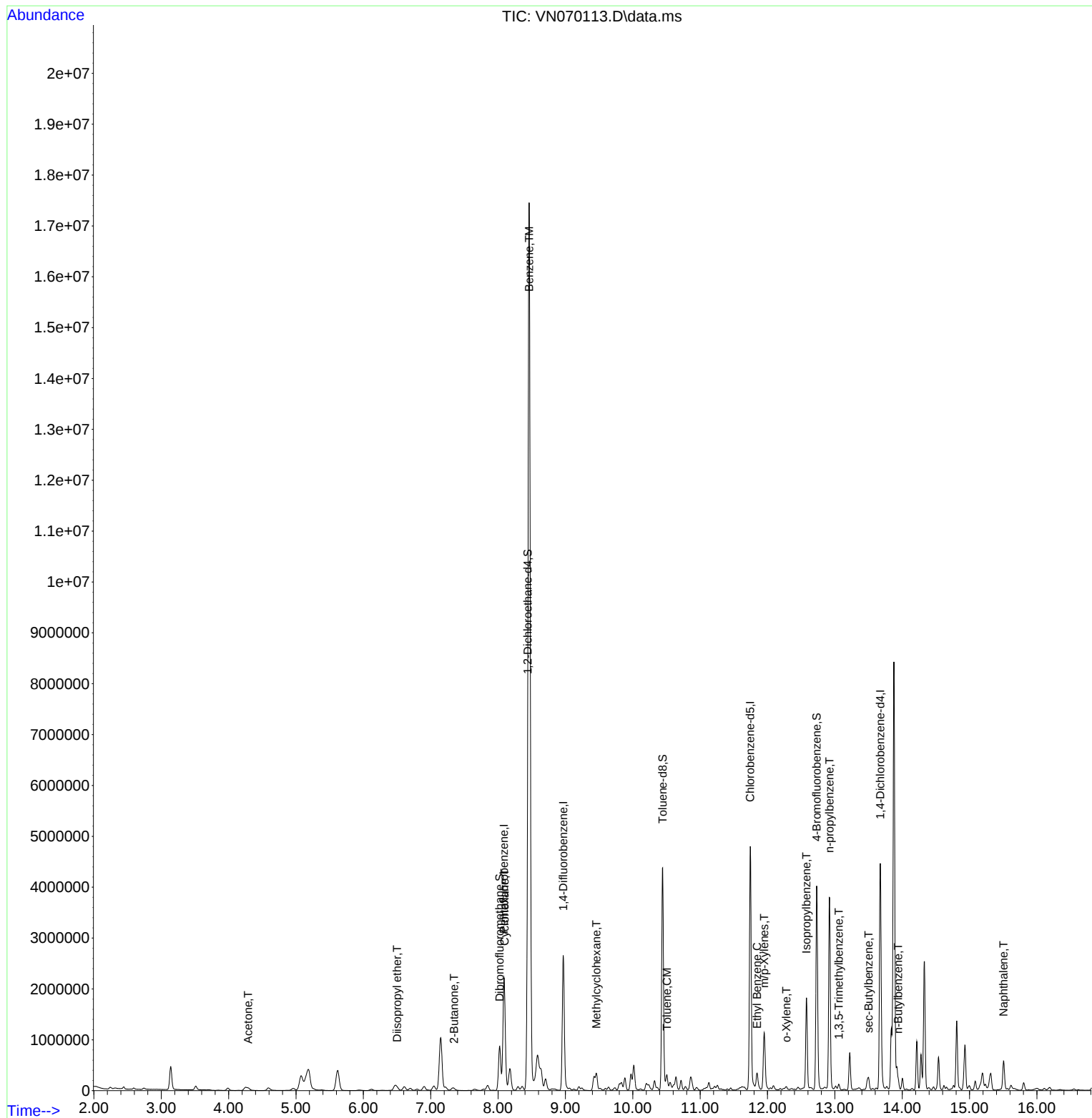
Internal Standards						
1) Pentafluorobenzene	8.088	168	1150319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2171084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2587465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1178013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	908984	51.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.36%			
35) Dibromofluoromethane	8.024	113	637989	46.91	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.82%			
50) Toluene-d8	10.443	98	2915774	53.40	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.80%			
62) 4-Bromofluorobenzene	12.731	95	1364098	68.96	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 137.92%#			
Target Compounds					Qvalue	
16) Acetone	4.291	43	79630	7.45	ug/l	92
22) Diisopropyl ether	6.501	45	75795	1.57	ug/l #	87
25) 2-Butanone	7.346	43	49044	3.38	ug/l #	79
31) Cyclohexane	8.096	56	440409	17.82	ug/l	89
39) Methylcyclohexane	9.459	83	139019	5.65	ug/l #	86
40) Benzene	8.461	78	17043889	269.79	ug/l	98
52) Toluene	10.508	92	112574	2.92	ug/l	98
67) Ethyl Benzene	11.846	91	183778	1.93	ug/l	94
68) m/p-Xylenes	11.950	106	358603	10.33	ug/l	93
69) o-Xylene	12.280	106	11766	0.34	ug/l	78
73) Isopropylbenzene	12.578	105	1160698	11.07	ug/l	98
78) n-propylbenzene	12.921	91	3064118	26.27	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	46405	0.55	ug/l	96
85) sec-Butylbenzene	13.501	105	137592	1.36	ug/l #	69
89) n-Butylbenzene	13.940	91	125945	1.96	ug/l #	74
95) Naphthalene	15.504	128	517887	12.26	ug/l	99

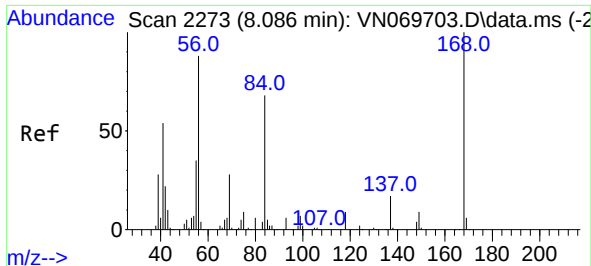
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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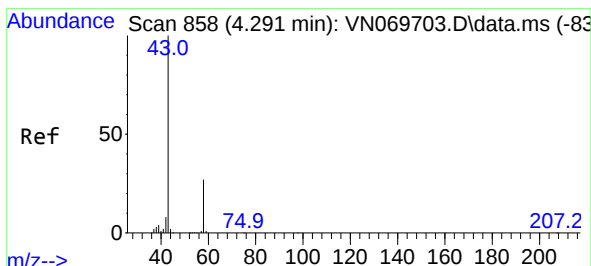
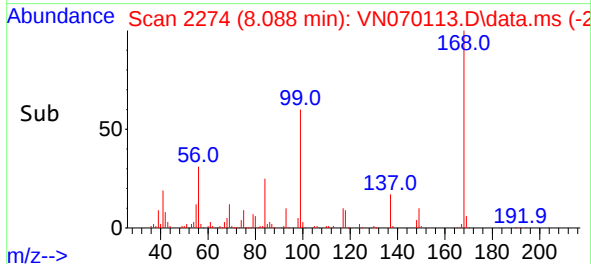
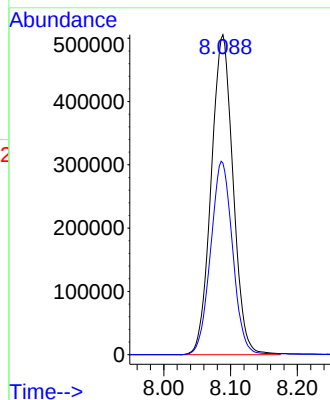
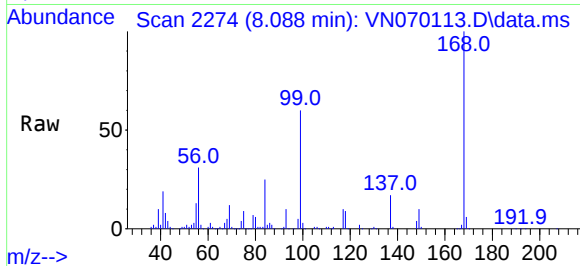




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

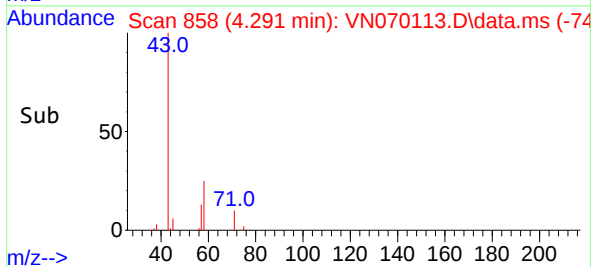
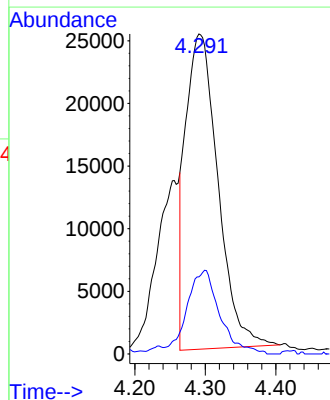
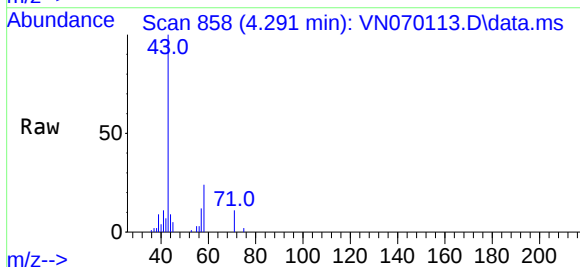
Instrument :
MSVOA_N
ClientSampleId :
MW-27

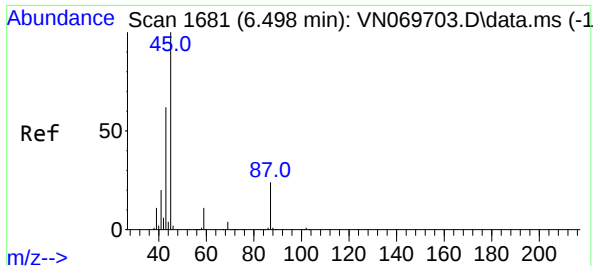
Tgt Ion:168 Resp: 1150319
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#16
Acetone
Concen: 7.45 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 43 Resp: 79630
Ion Ratio Lower Upper
43 100
58 24.8 23.1 34.7

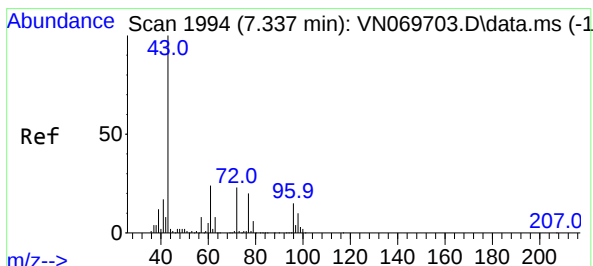
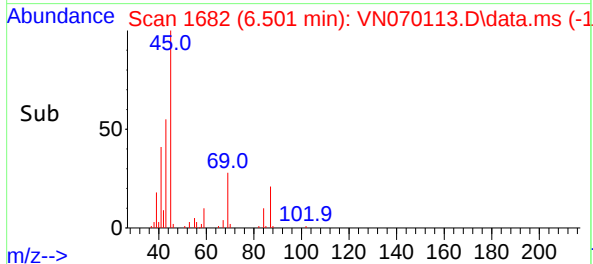
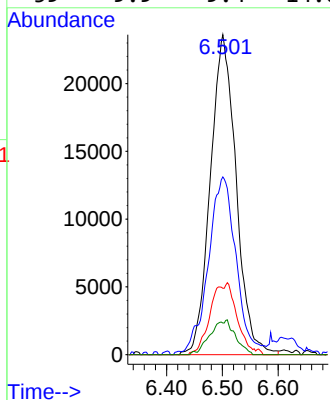
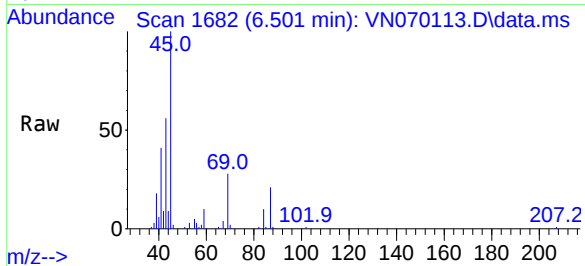




#22
Diisopropyl ether
Concen: 1.57 ug/l
RT: 6.501 min Scan# 1
Delta R.T. 0.003 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

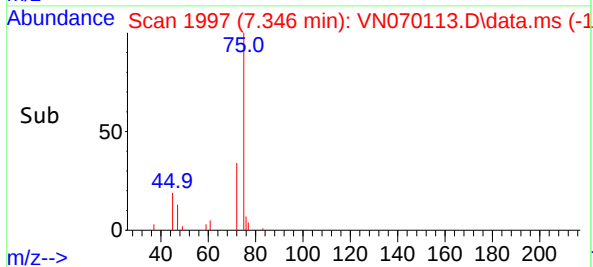
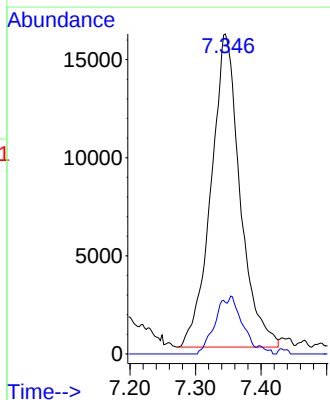
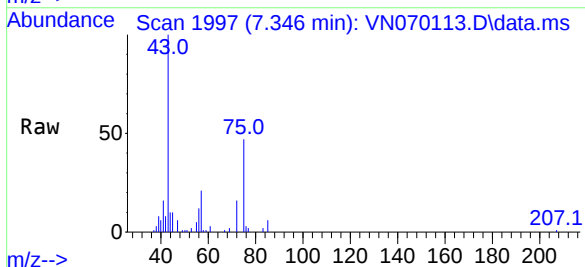
Instrument :
MSVOA_N
ClientSampleId :
MW-27

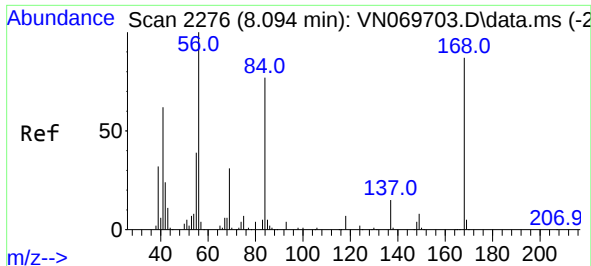
Tgt Ion:	45	Resp:	75795
Ion	Ratio	Lower	Upper
45	100		
43	54.5	51.7	77.5
87	20.8	23.2	34.8#
59	9.9	9.4	14.0



#25
2-Butanone
Concen: 3.38 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:	43	Resp:	49044
Ion	Ratio	Lower	Upper
43	100		
72	16.4	21.7	32.5#

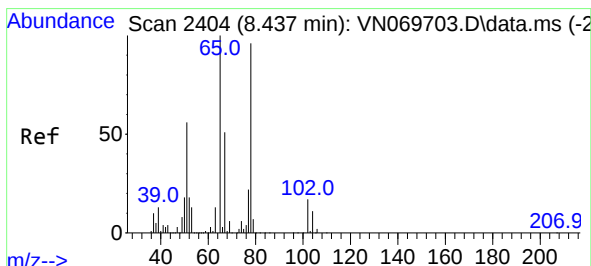
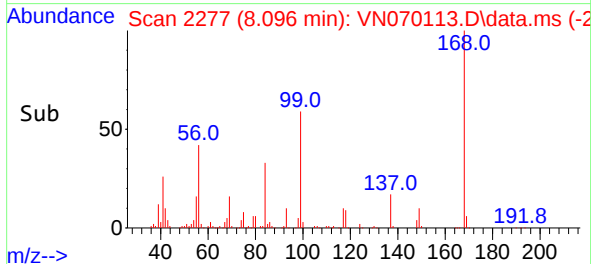
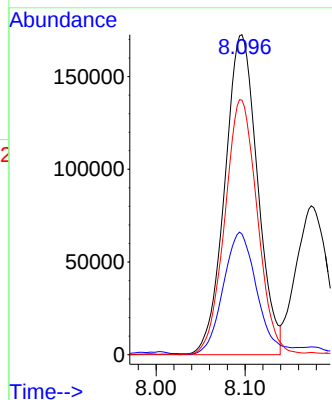
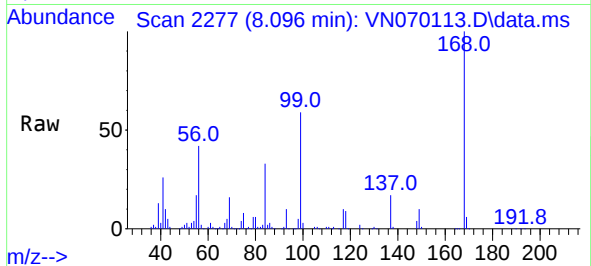




#31
Cyclohexane
Concen: 17.82 ug/l
RT: 8.096 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

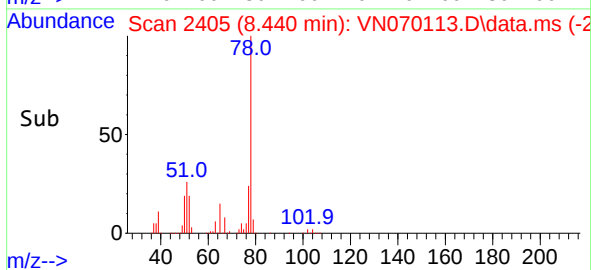
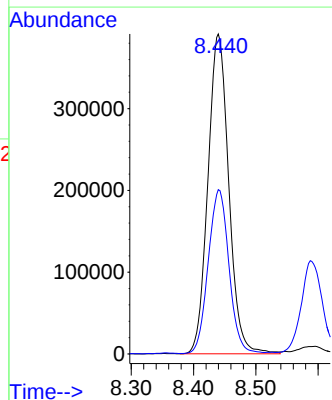
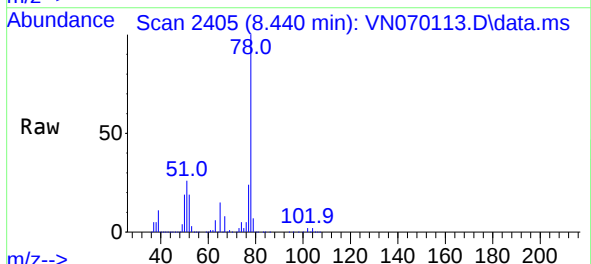
Instrument :
MSVOA_N
ClientSampleId :
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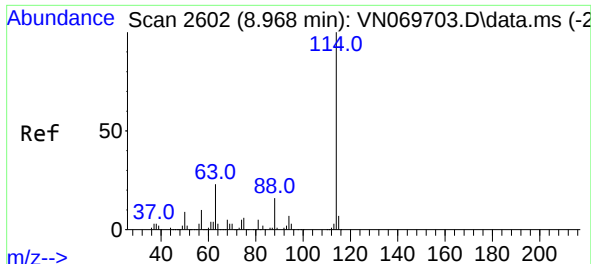
Tgt Ion: 56 Resp: 440409
Ion Ratio Lower Upper
56 100
69 37.4 27.1 40.7
84 79.5 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.18 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 65 Resp: 908984
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

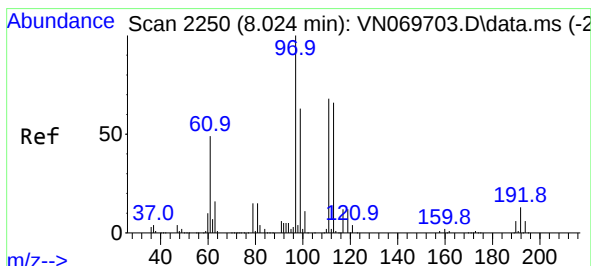
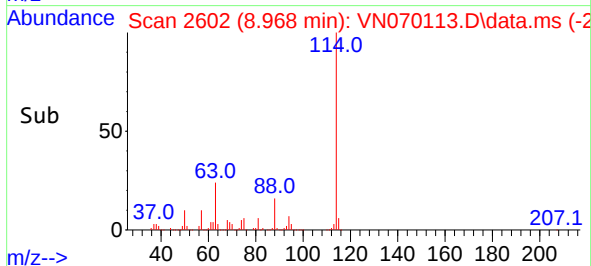
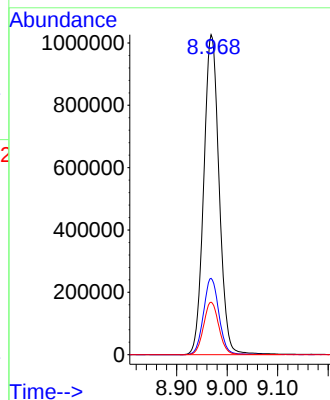
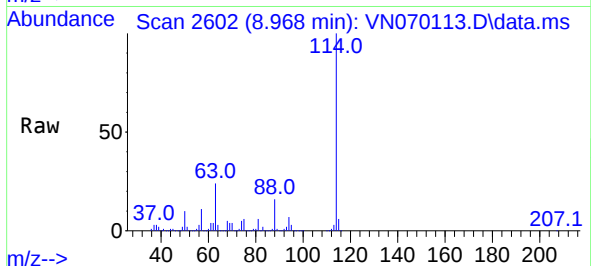




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2171084
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

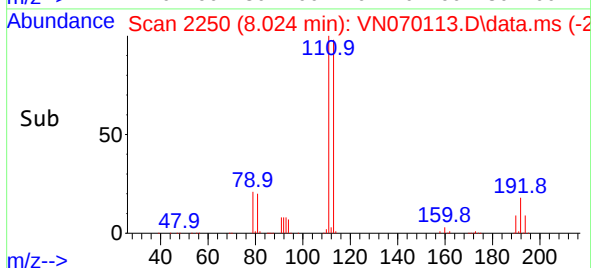
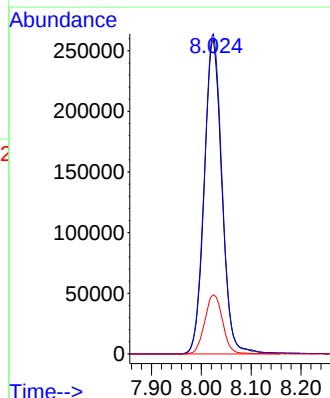
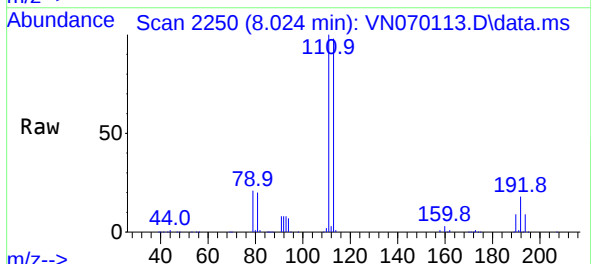
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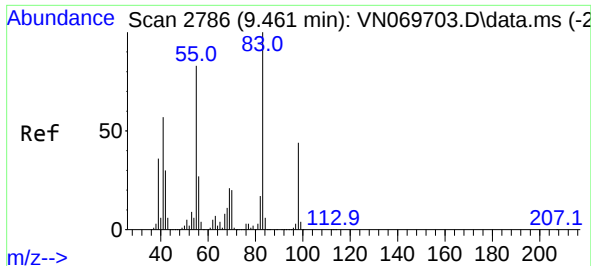
Tgt Ion:114 Resp: 2171084
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.91 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:113 Resp: 637989
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.1 16.9 25.3

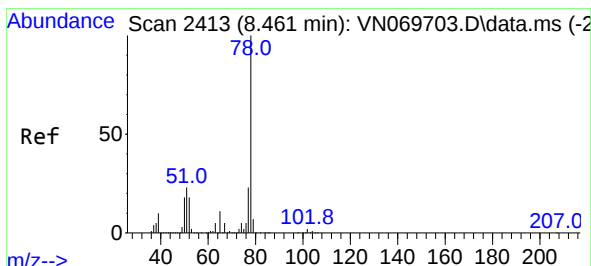
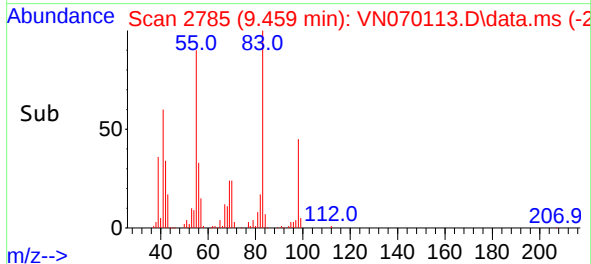
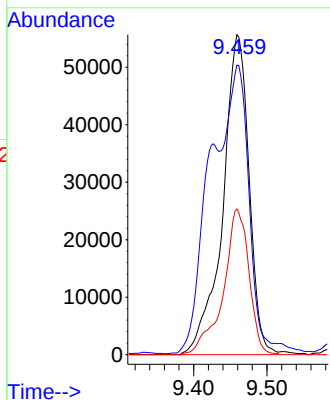
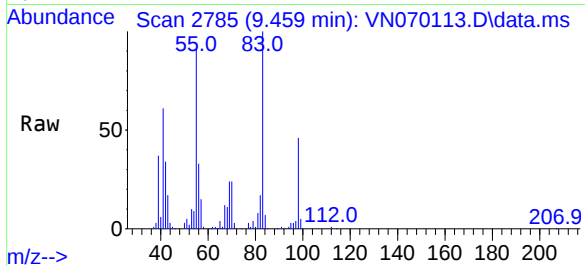




#39
Methylcyclohexane
Concen: 5.65 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

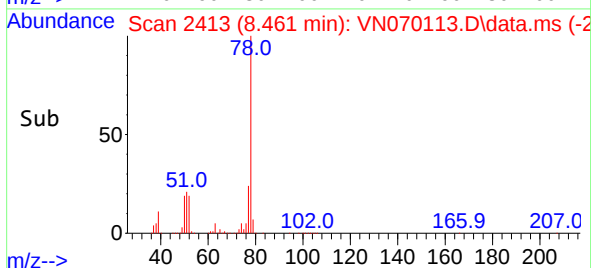
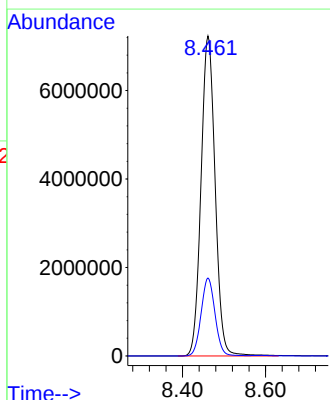
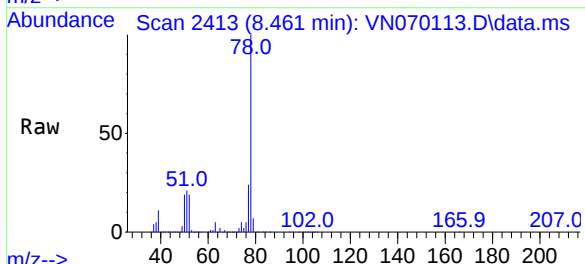
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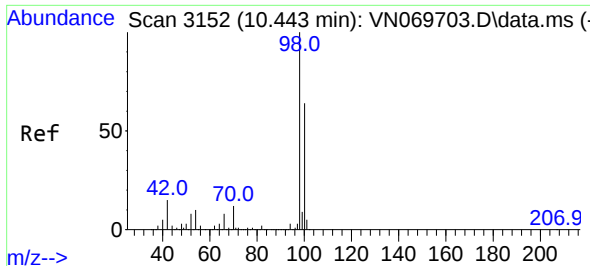
Tgt Ion: 83 Resp: 139019
Ion Ratio Lower Upper
83 100
55 89.8 58.1 87.1#
98 45.6 38.4 57.6



#40
Benzene
Concen: 269.79 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 78 Resp:17043889
Ion Ratio Lower Upper
78 100
77 24.4 18.6 27.8

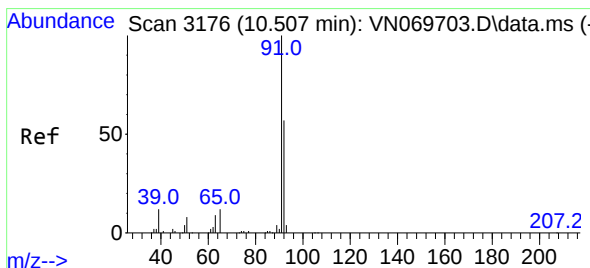
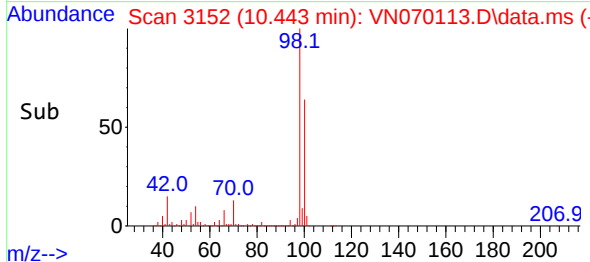
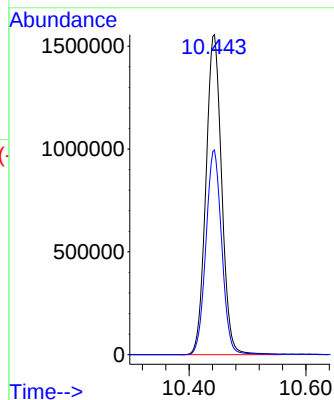
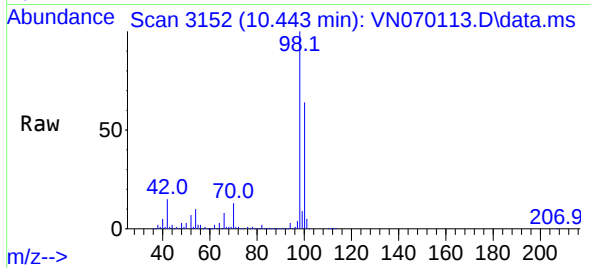




#50
Toluene-d8
Concen: 53.40 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

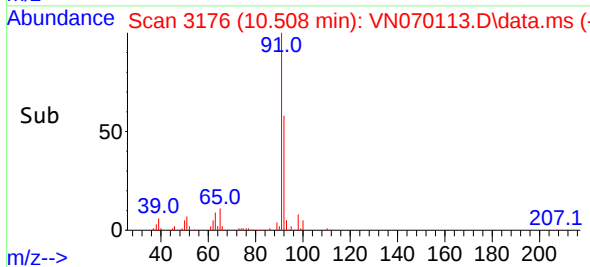
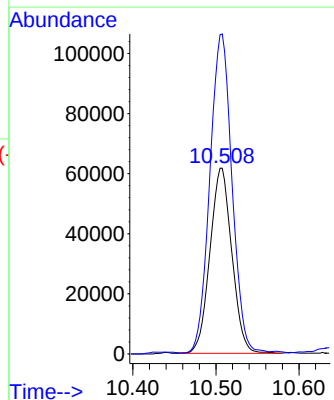
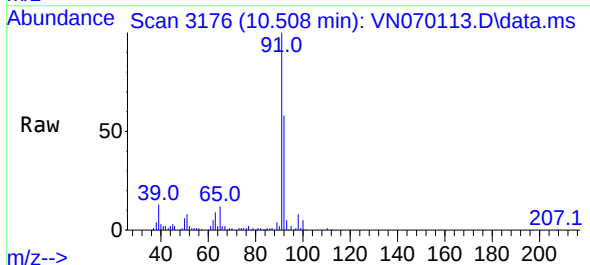
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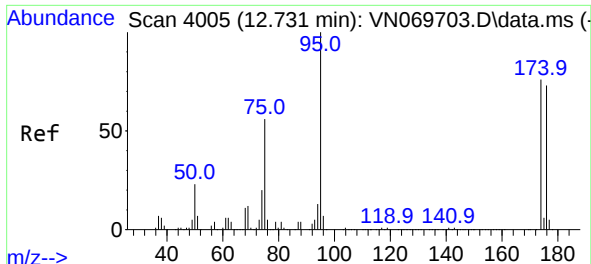
Tgt Ion: 98 Resp: 2915774
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#52
Toluene
Concen: 2.92 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 92 Resp: 112574
Ion Ratio Lower Upper
92 100
91 174.4 142.0 213.0





#62

4-Bromofluorobenzene

Concen: 68.96 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.000 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

ClientSampleId :

MW-27

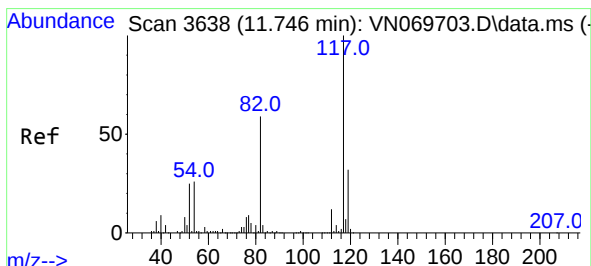
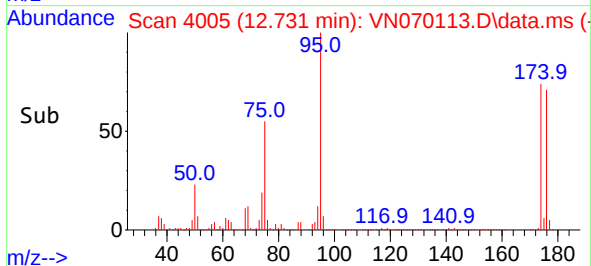
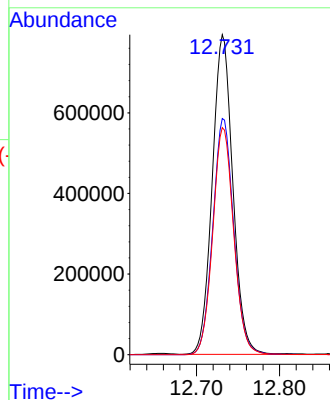
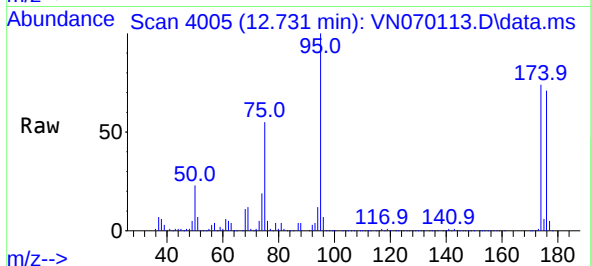
Tgt Ion: 95 Resp: 1364098

Ion Ratio Lower Upper

95 100

174 75.1 0.0 187.2

176 72.4 0.0 181.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.002 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

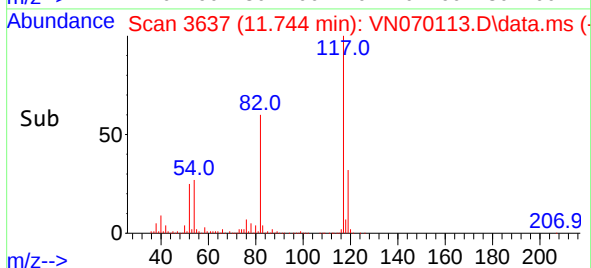
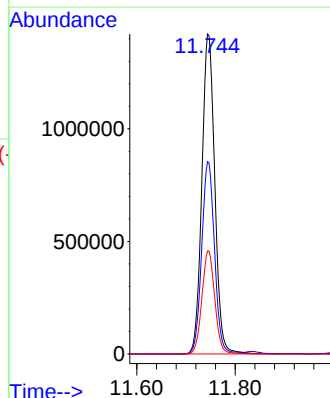
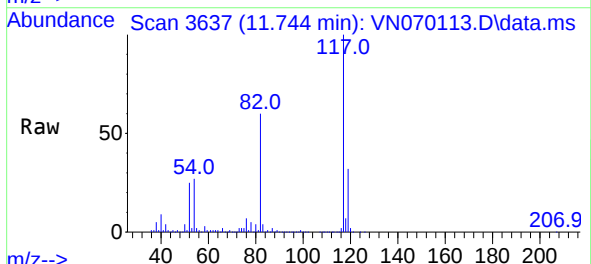
Tgt Ion: 117 Resp: 2587465

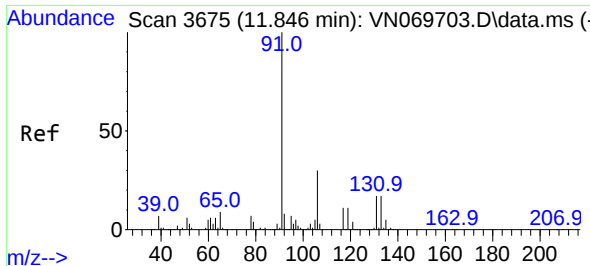
Ion Ratio Lower Upper

117 100

82 60.1 42.4 63.6

119 32.2 25.4 38.2

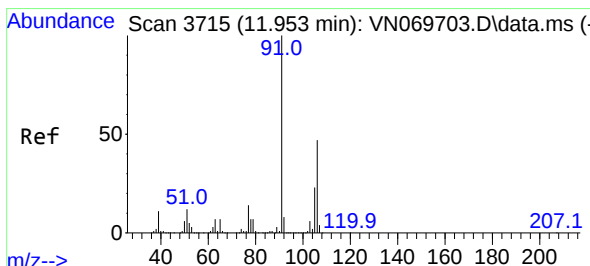
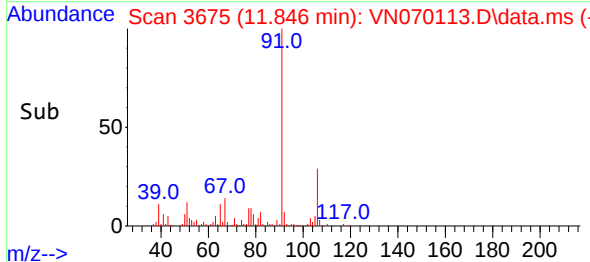
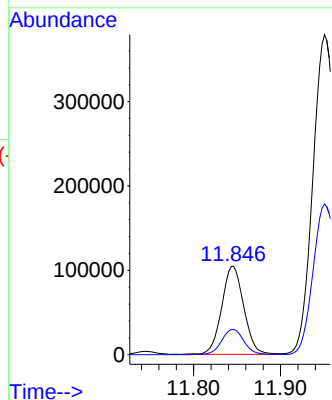
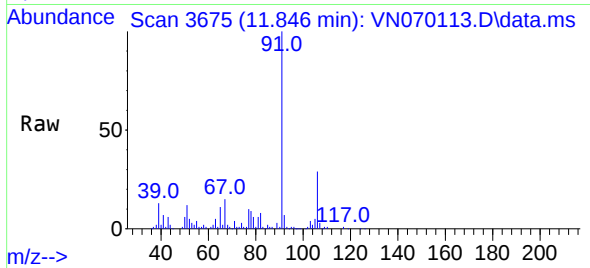




#67
Ethyl Benzene
Concen: 1.93 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

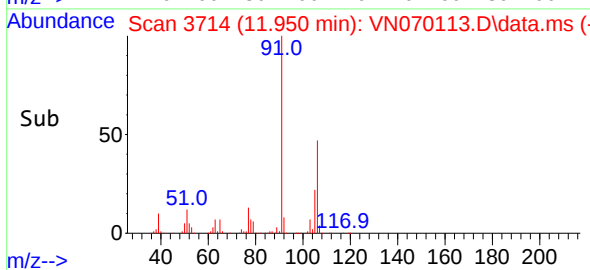
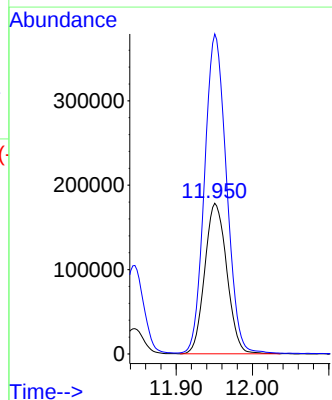
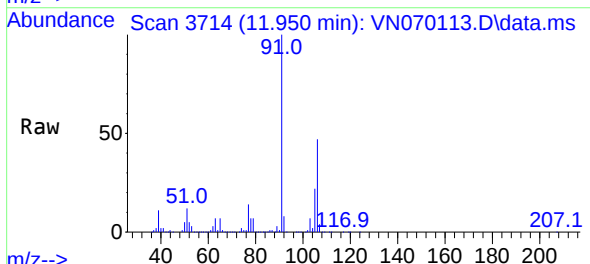
Instrument :
MSVOA_N
ClientSampleId :
MW-27

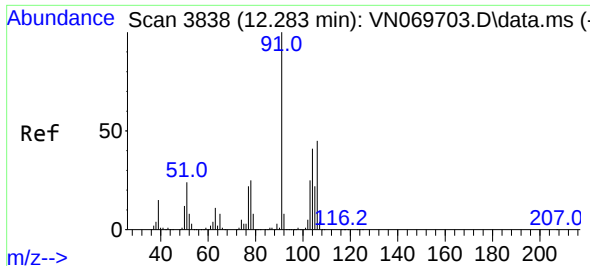
Tgt Ion: 91 Resp: 183778
Ion Ratio Lower Upper
91 100
106 28.7 25.7 38.5



#68
m/p-Xylenes
Concen: 10.33 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:106 Resp: 358603
Ion Ratio Lower Upper
106 100
91 210.8 160.6 240.8

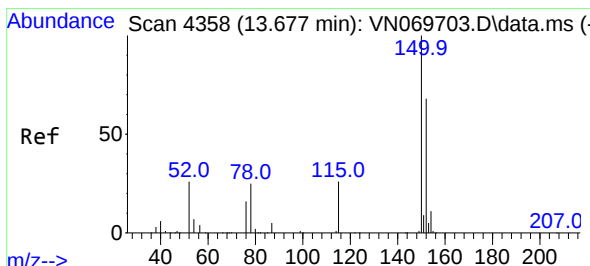
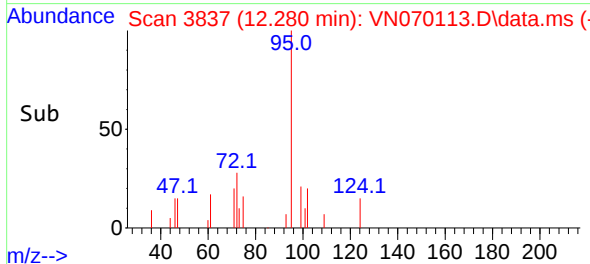
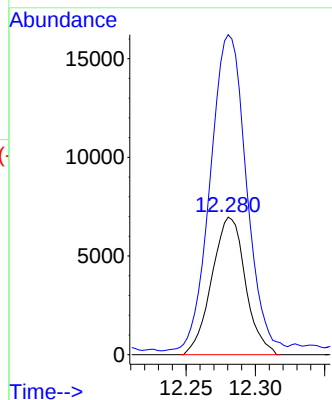
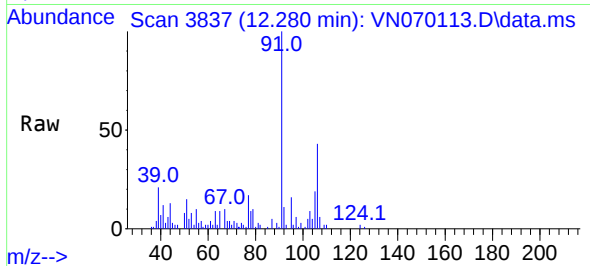




#69
o-Xylene
Concen: 0.34 ug/l
RT: 12.280 min Scan# 3838
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

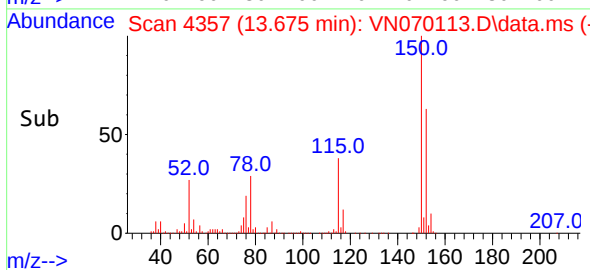
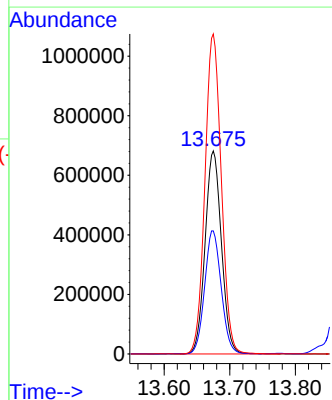
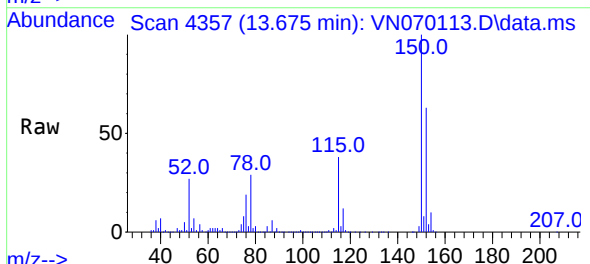
Instrument :
MSVOA_N
ClientSampleId :
MW-27

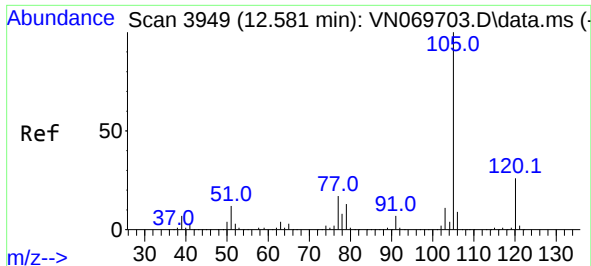
Tgt Ion:106 Resp: 11766
Ion Ratio Lower Upper
106 100
91 245.7 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:152 Resp: 1178013
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 157.5 0.0 344.4

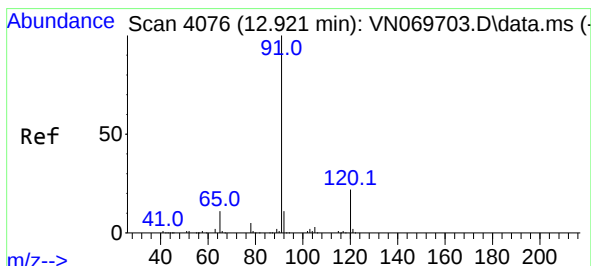
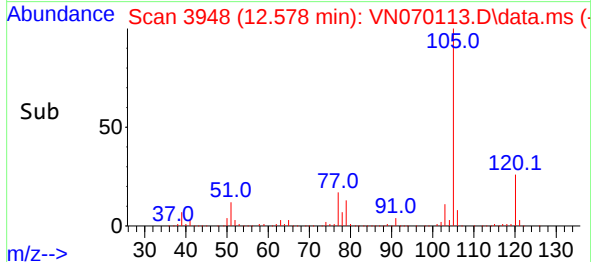
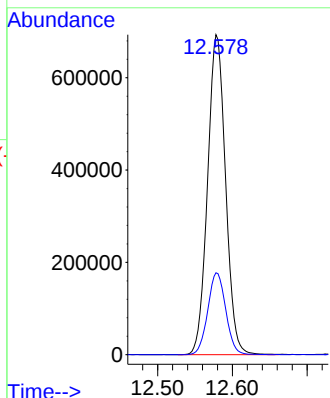
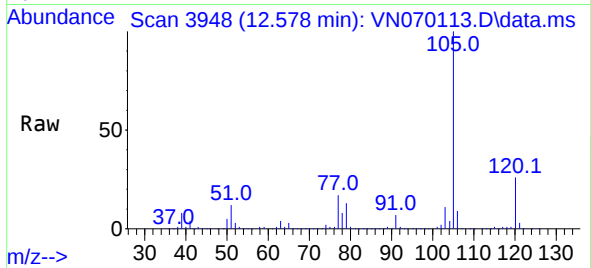




#73
Isopropylbenzene
Concen: 11.07 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

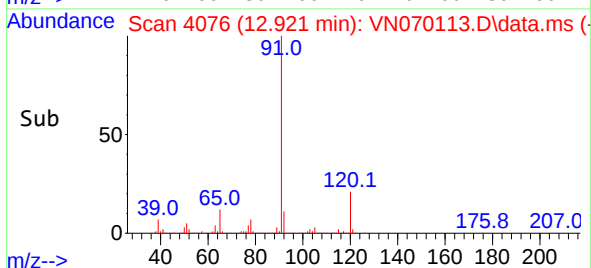
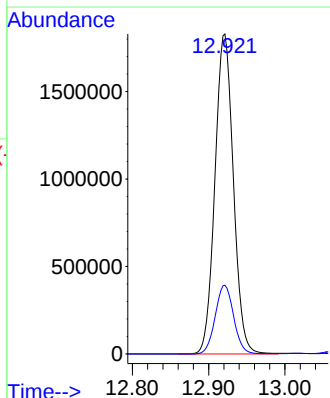
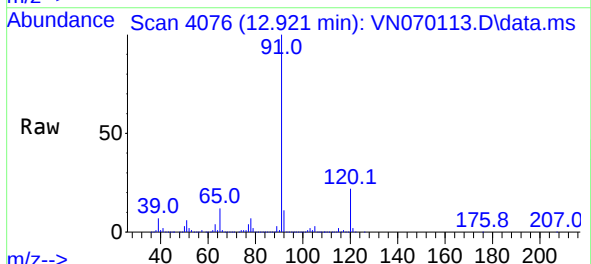
Instrument :
MSVOA_N
ClientSampleId :
MW-27

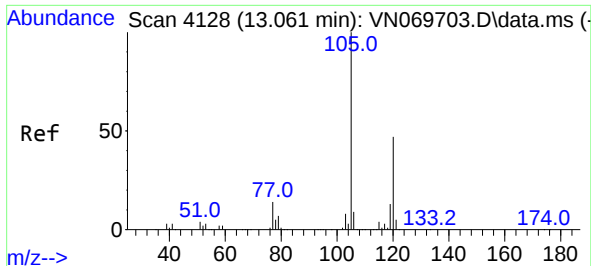
Tgt Ion:105 Resp: 1160698
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1



#78
n-propylbenzene
Concen: 26.27 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 91 Resp: 3064118
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.9

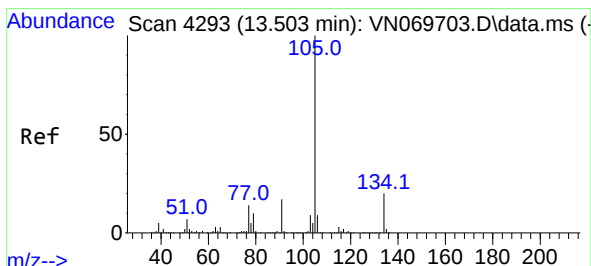
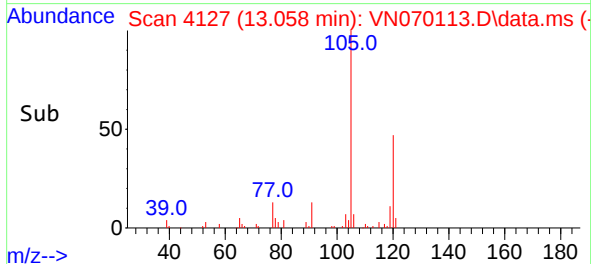
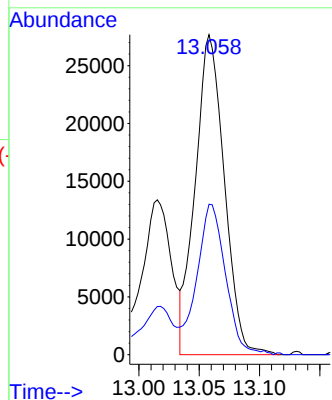
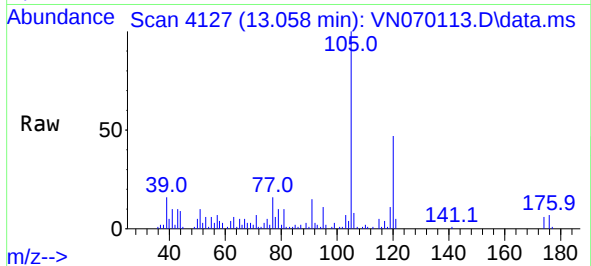




#80
1,3,5-Trimethylbenzene
Concen: 0.55 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

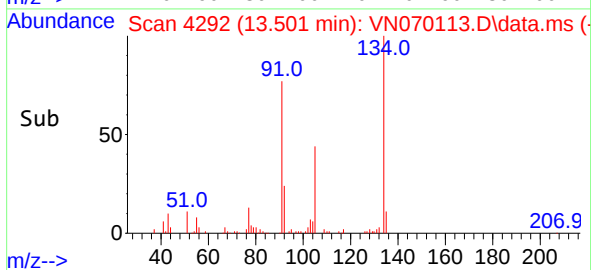
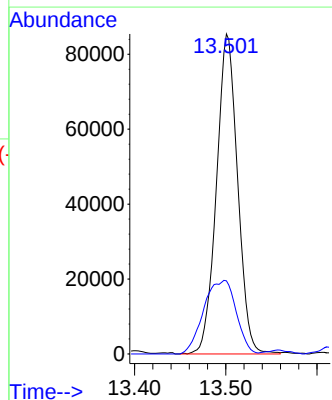
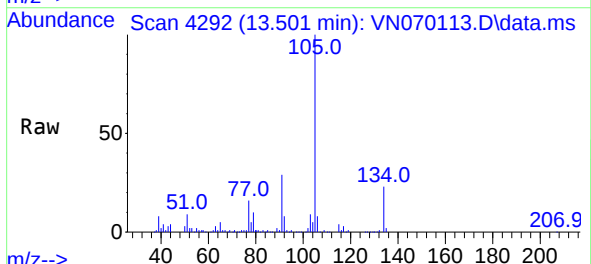
Instrument :
MSVOA_N
ClientSampleId :
MW-27

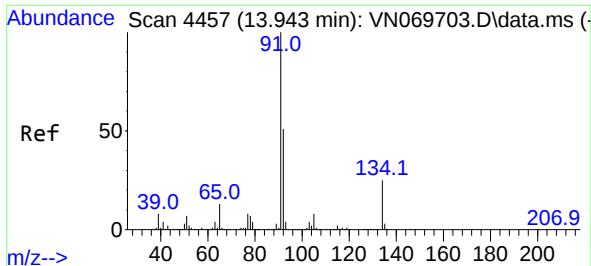
Tgt Ion:105 Resp: 46405
Ion Ratio Lower Upper
105 100
120 46.2 24.6 73.6



#85
sec-Butylbenzene
Concen: 1.36 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:105 Resp: 137592
Ion Ratio Lower Upper
105 100
134 35.3 10.4 31.1#

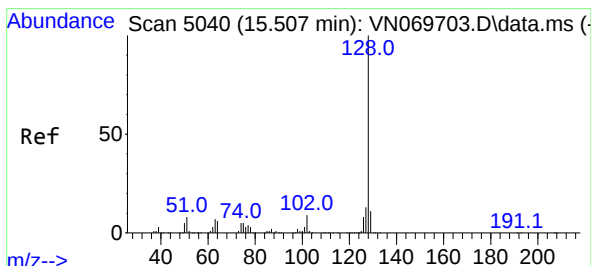
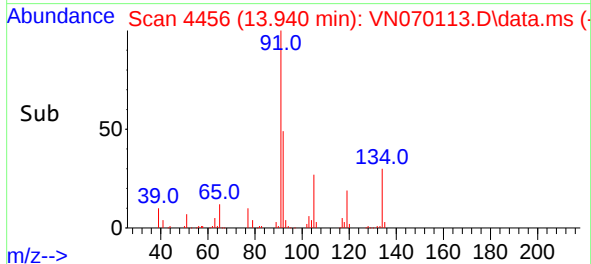
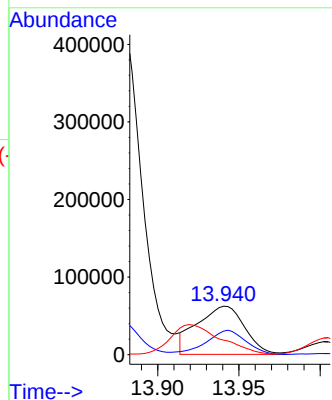
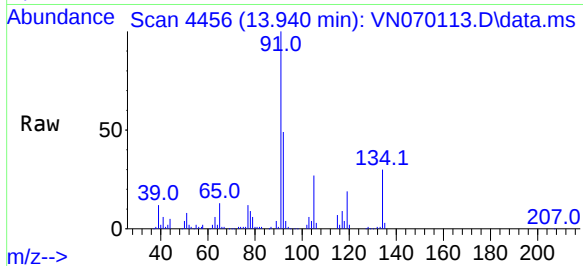




#89
n-Butylbenzene
Concen: 1.96 ug/l
RT: 13.940 min Scan# 4457
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :
MW-27

Tgt Ion: 91 Resp: 125945
Ion Ratio Lower Upper
91 100
92 43.0 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 12.26 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:128 Resp: 517887
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.5 8.7 13.1

