

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122221\
 Data File : VN070290.D
 Acq On : 22 Dec 2021 15:08
 Operator : JC/MD
 Sample : M5039-02DL 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14DL

Quant Time: Dec 22 15:28:28 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)

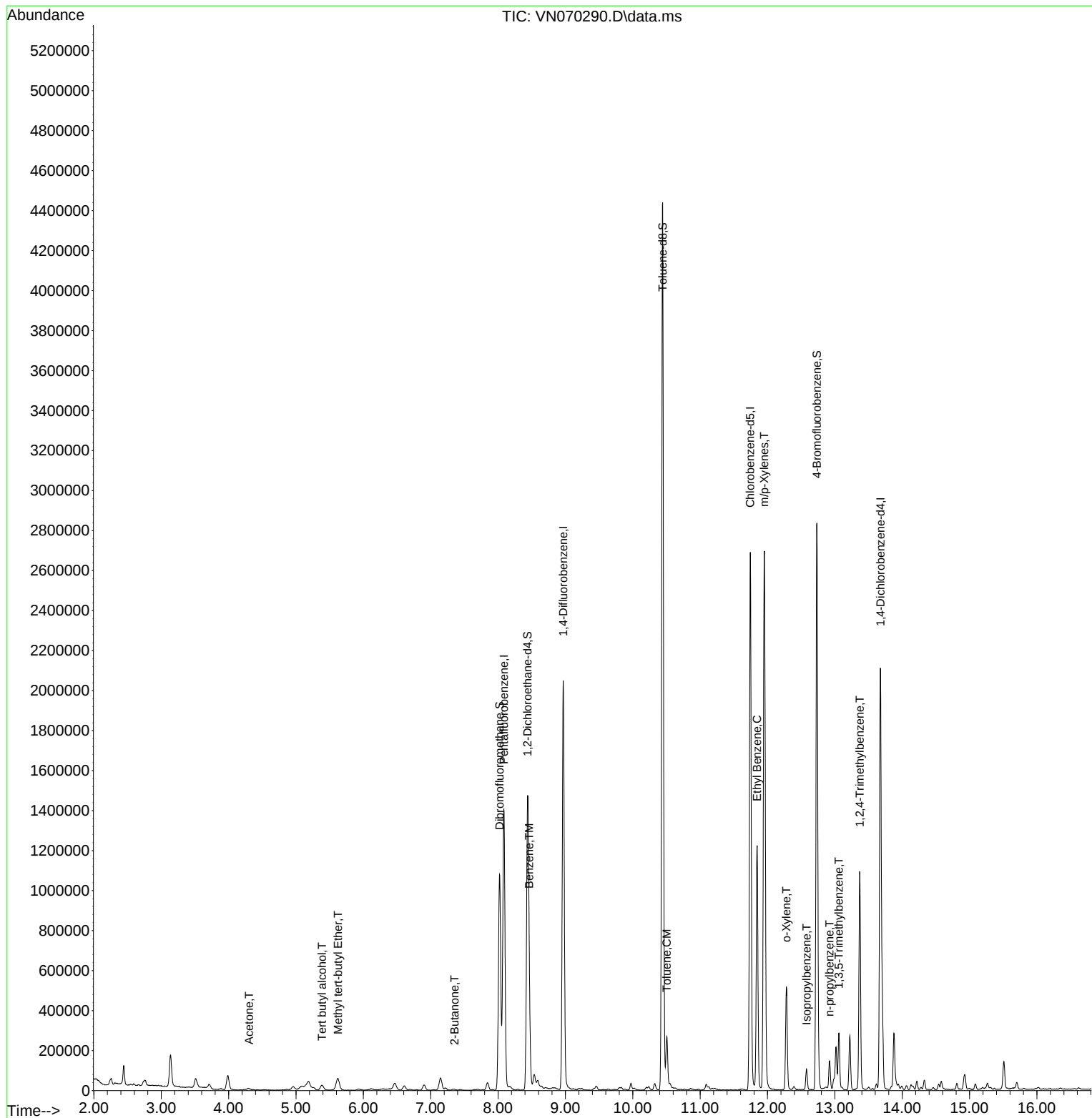
Internal Standards						
1) Pentafluorobenzene	8.086	168	1042267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1713014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1517560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	560513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1171799	72.816	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 145.640%#			
35) Dibromofluoromethane	8.021	113	789079	73.540	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 147.080%#			
50) Toluene-d8	10.443	98	3034833	70.439	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 140.880%#			
62) 4-Bromofluorobenzene	12.734	95	1033286	66.200	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 132.400%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.385	59	42017	13.813	ug/l #	91
16) Acetone	4.301	43	14272	1.474	ug/l	91
19) Methyl tert-butyl Ether	5.624	73	72555	1.880	ug/l #	70
25) 2-Butanone	7.354	43	7306	0.555	ug/l #	85
40) Benzene	8.461	78	342761	6.876	ug/l	98
52) Toluene	10.505	92	102841	3.379	ug/l	98
67) Ethyl Benzene	11.846	91	897407	16.047	ug/l	95
68) m/p-Xylenes	11.953	106	870920	42.771	ug/l	91
69) o-Xylene	12.280	106	139079	6.781	ug/l	90
73) Isopropylbenzene	12.581	105	66986	1.343	ug/l	98
78) n-propylbenzene	12.921	91	116995	2.108	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	155161	3.866	ug/l	97
84) 1,2,4-Trimethylbenzene	13.369	105	633931	16.583	ug/l	97

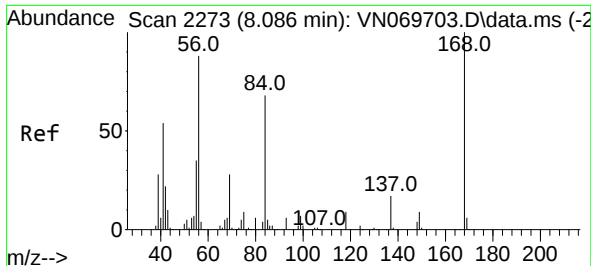
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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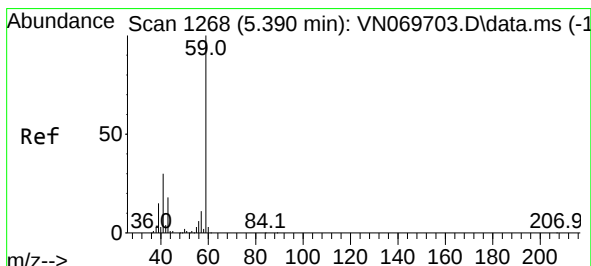
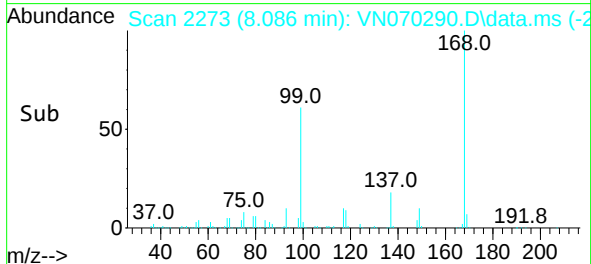
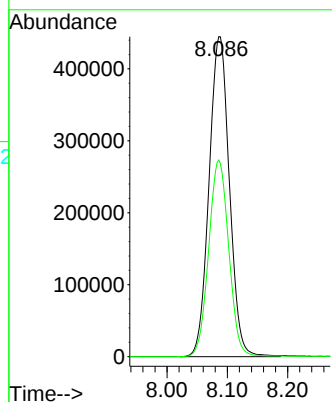
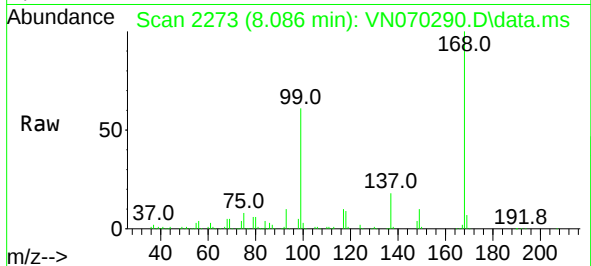




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

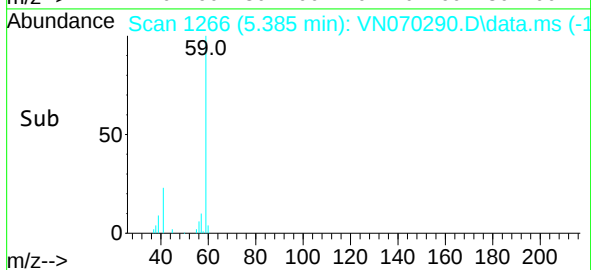
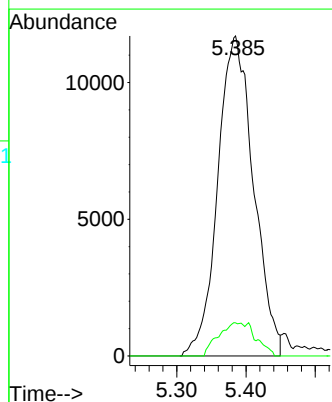
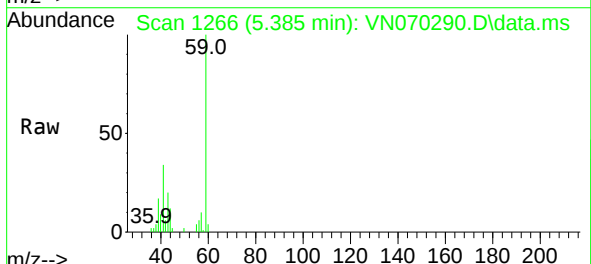
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MSVOA_N
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MW-14DL

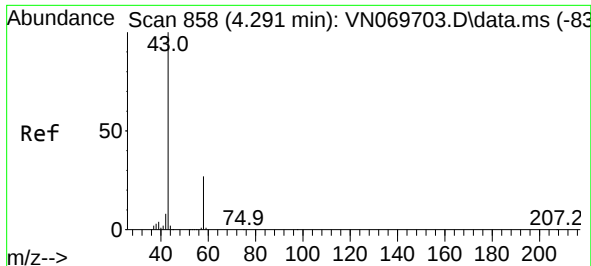
Tgt Ion:168 Resp: 1042267
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 13.813 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion: 59 Resp: 42017
Ion Ratio Lower Upper
59 100
57 7.4 8.7 13.1#

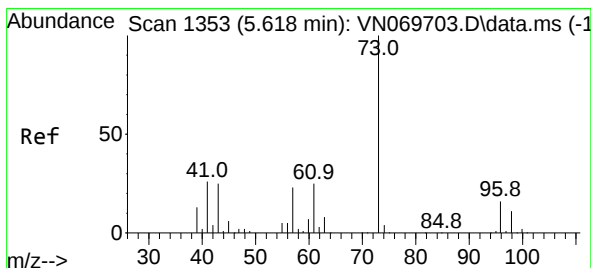
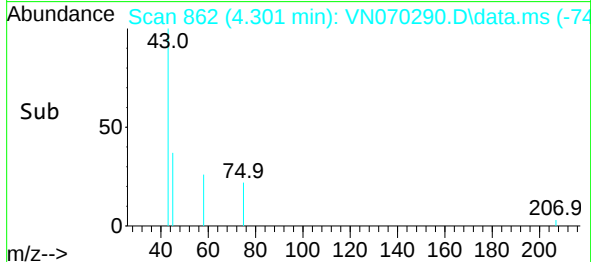
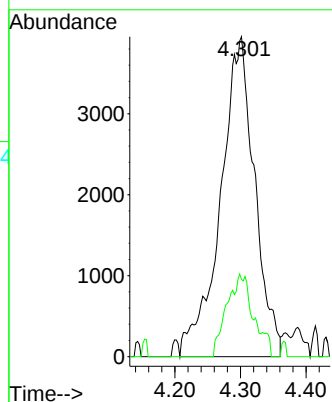
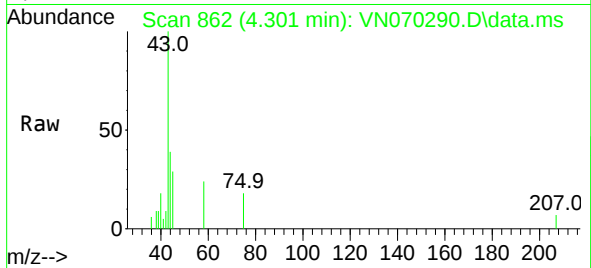




#16
Acetone
Concen: 1.474 ug/l
RT: 4.301 min Scan# 858
Delta R.T. 0.011 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

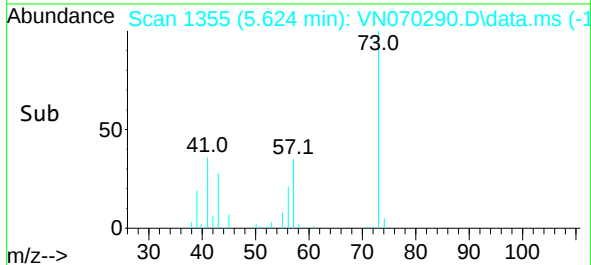
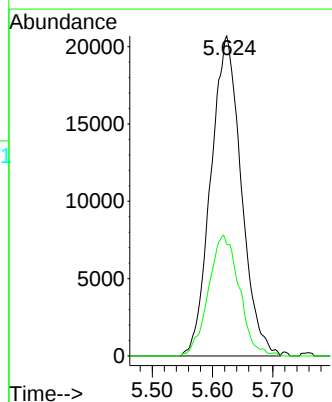
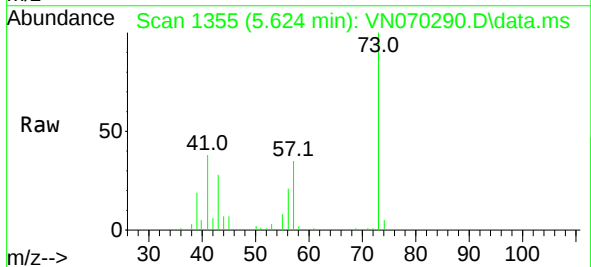
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MSVOA_N
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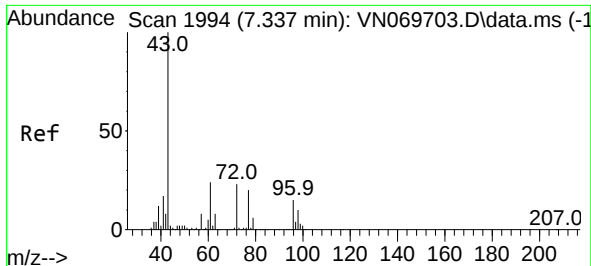
Tgt Ion: 43 Resp: 14272
Ion Ratio Lower Upper
43 100
58 24.1 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 1.880 ug/l
RT: 5.624 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion: 73 Resp: 72555
Ion Ratio Lower Upper
73 100
57 34.8 16.8 25.2#





#25

2-Butanone

Concen: 0.555 ug/l

RT: 7.354 min Scan# 2000

Delta R.T. 0.016 min

Lab File: VN070290.D

Acq: 22 Dec 2021 15:08

Instrument :

MSVOA_N

ClientSampleId :

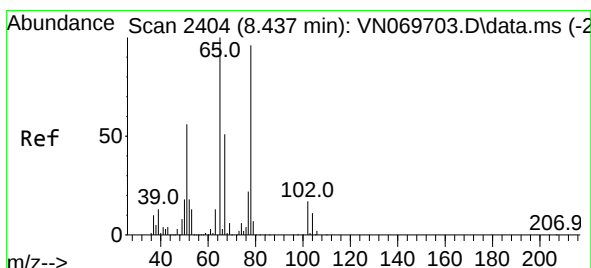
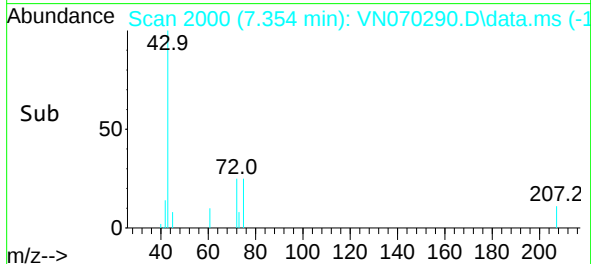
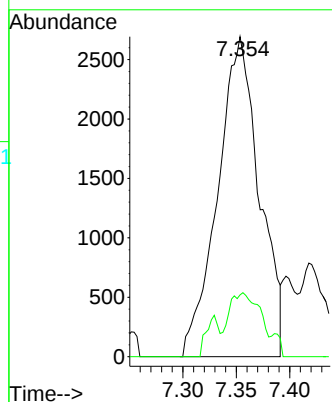
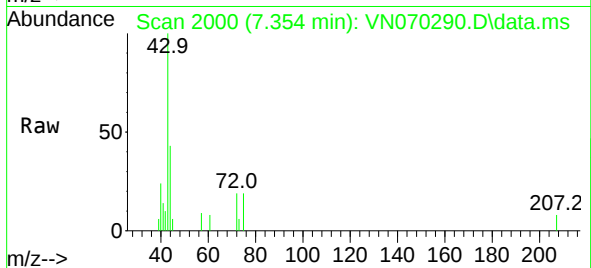
MW-14DL

Tgt Ion: 43 Resp: 7306

Ion Ratio Lower Upper

43 100

72 19.3 21.7 32.5#



#33

1,2-Dichloroethane-d4

Concen: 72.816 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070290.D

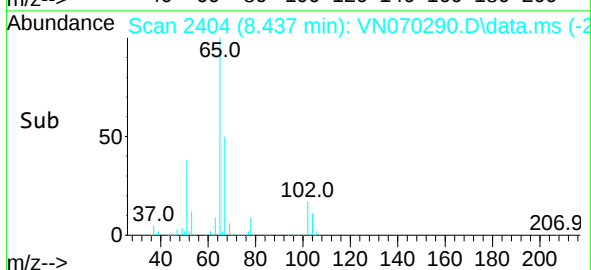
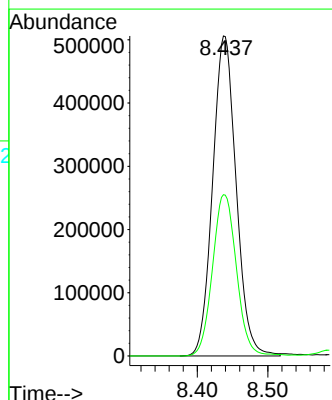
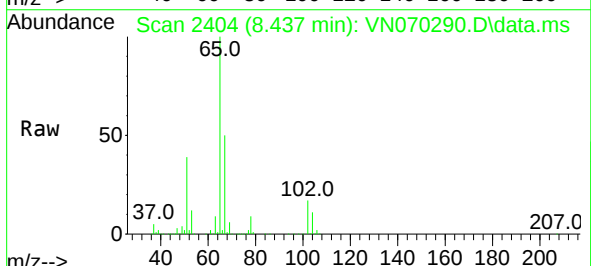
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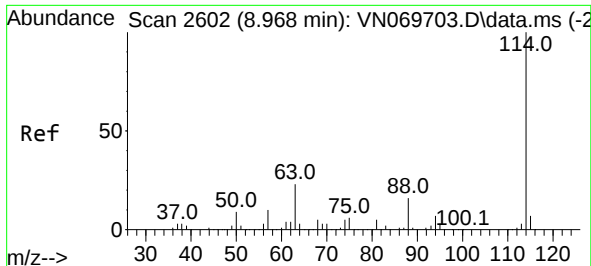
Tgt Ion: 65 Resp: 1171799

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.0

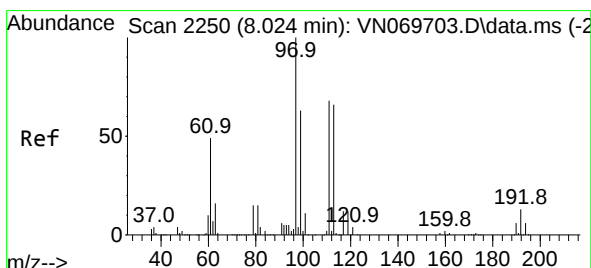
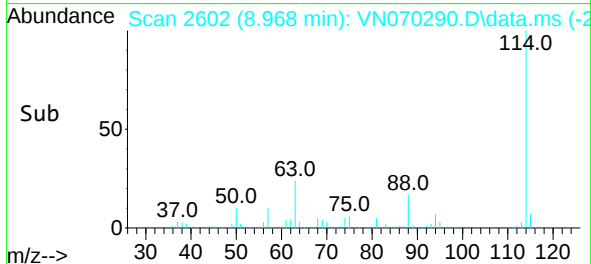
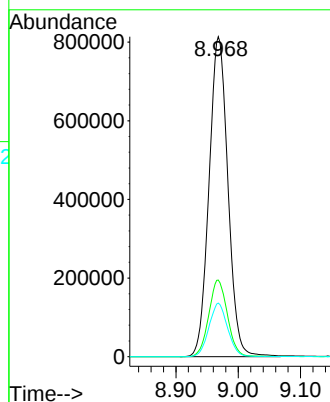
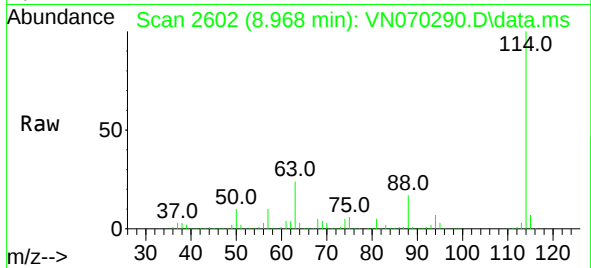




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

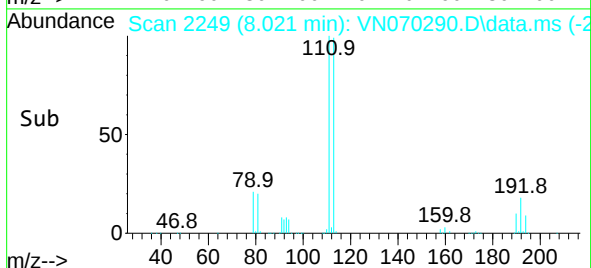
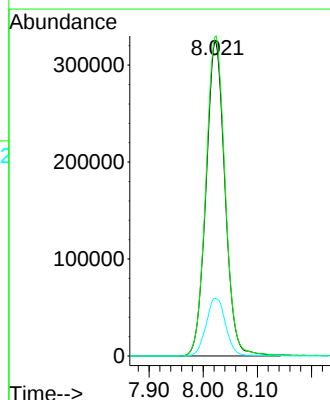
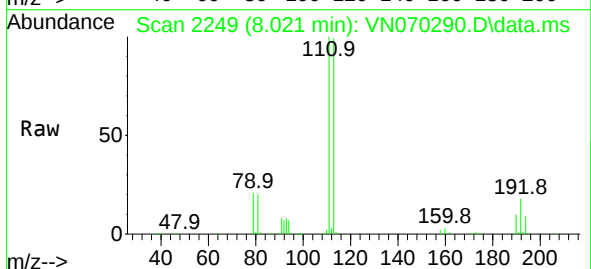
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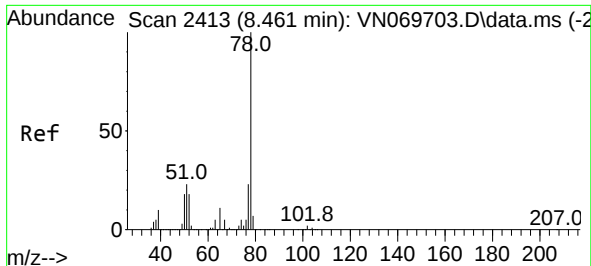
Tgt Ion:114 Resp: 1713014
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 73.540 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion:113 Resp: 789079
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.0 16.9 25.3

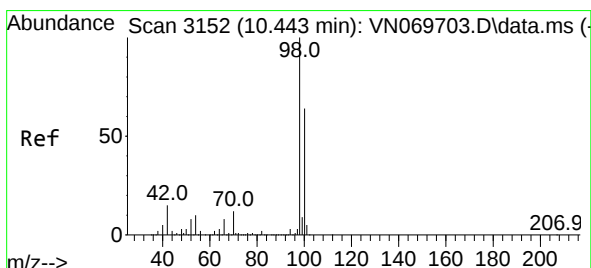
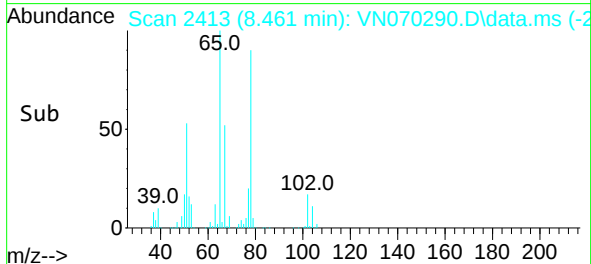
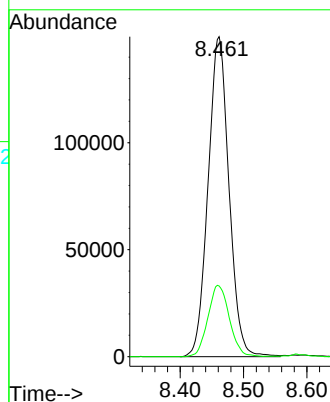
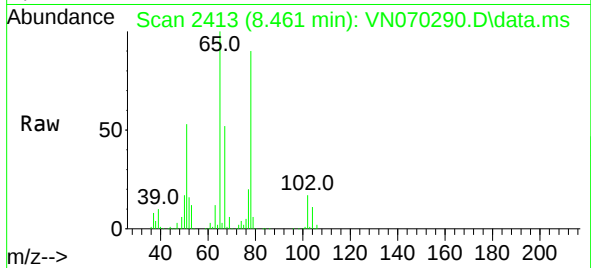




#40
Benzene
Concen: 6.876 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

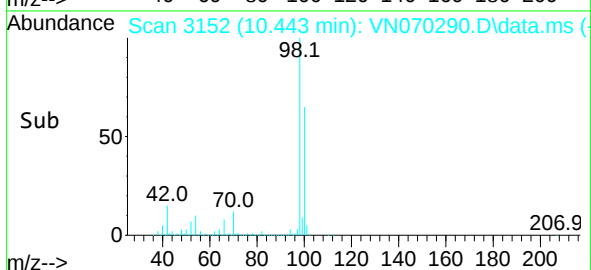
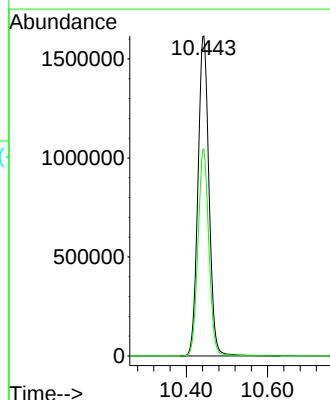
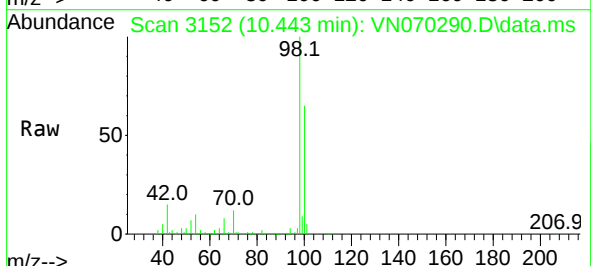
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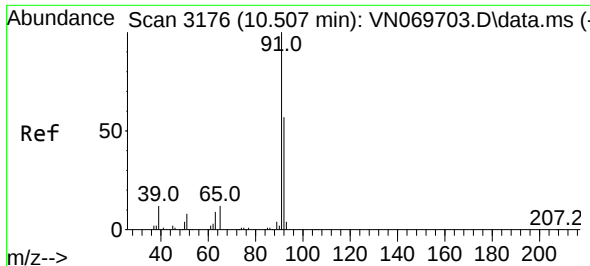
Tgt Ion: 78 Resp: 342761
Ion Ratio Lower Upper
78 100
77 22.1 18.6 27.8



#50
Toluene-d8
Concen: 70.439 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion: 98 Resp: 3034833
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6

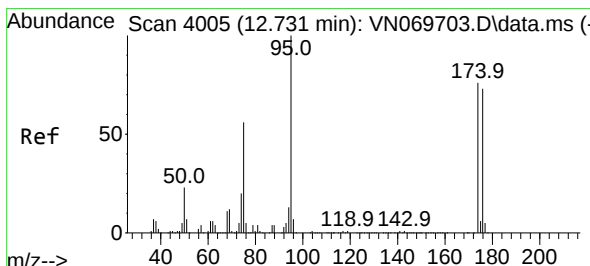
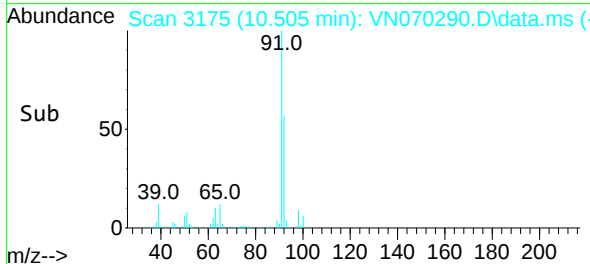
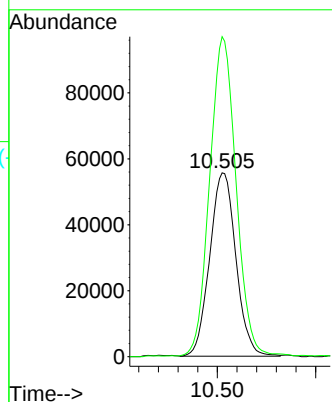
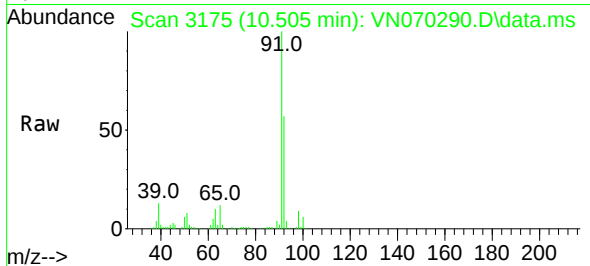




#52
Toluene
Concen: 3.379 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

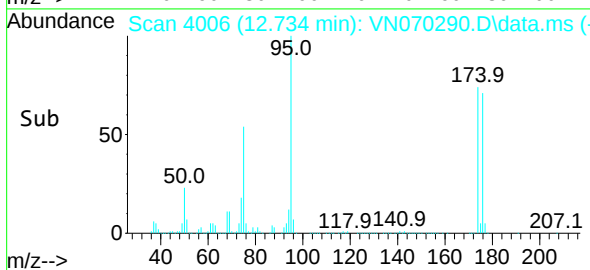
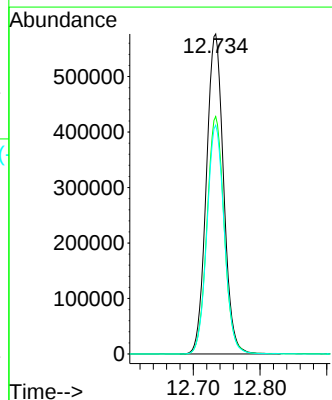
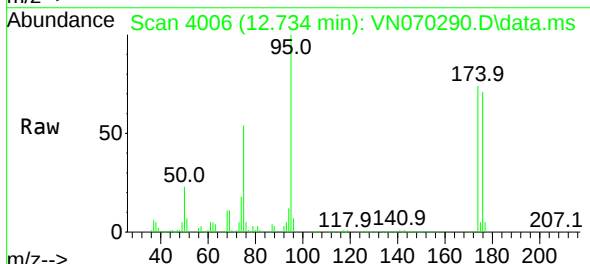
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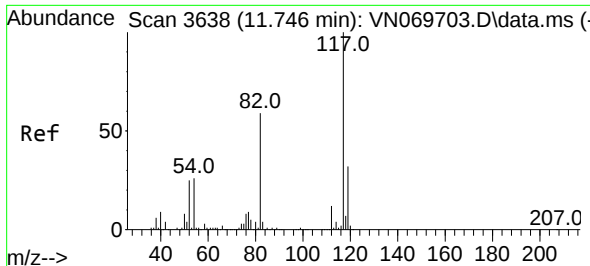
Tgt Ion: 92 Resp: 102841
Ion Ratio Lower Upper
92 100
91 175.2 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 66.200 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion: 95 Resp: 1033286
Ion Ratio Lower Upper
95 100
174 74.1 0.0 187.2
176 71.7 0.0 181.4

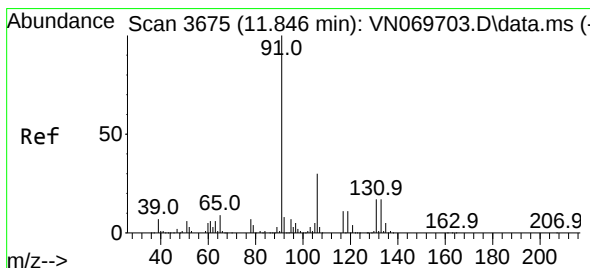
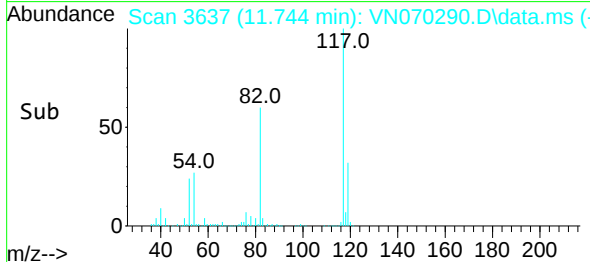
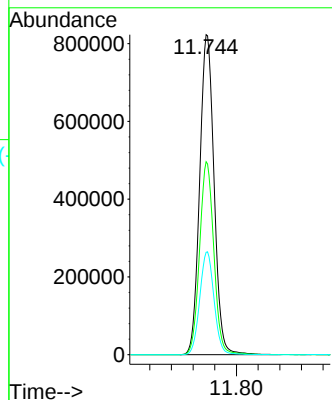
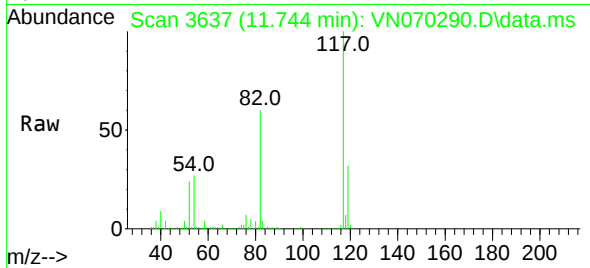




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

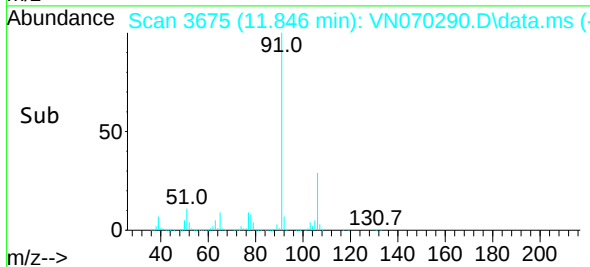
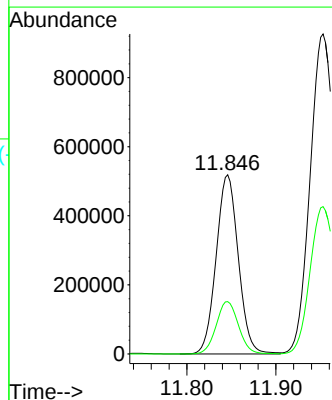
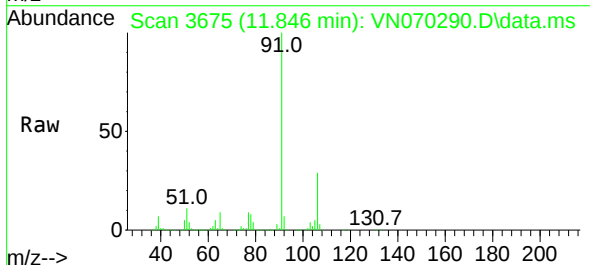
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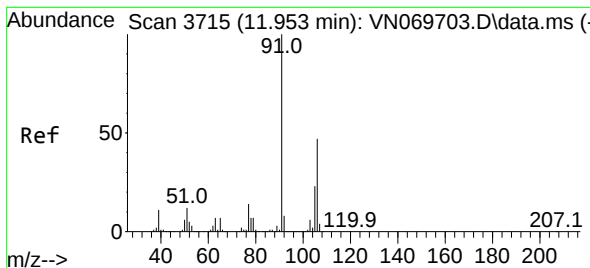
Tgt Ion:117 Resp: 1517560
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 32.0 25.4 38.2



#67
Ethyl Benzene
Concen: 16.047 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion: 91 Resp: 897407
Ion Ratio Lower Upper
91 100
106 29.2 25.7 38.5

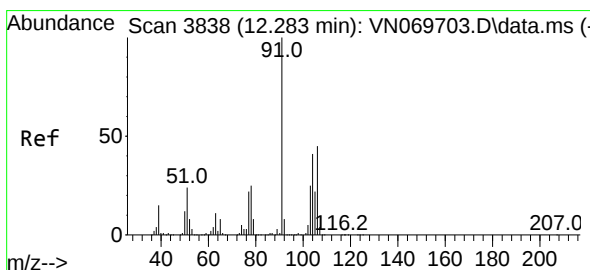
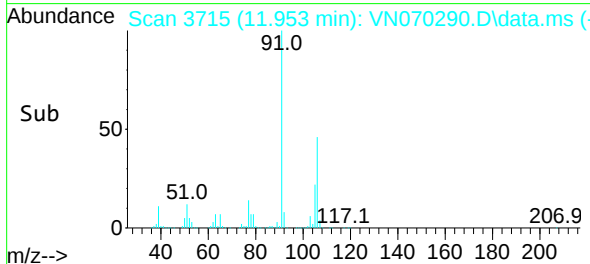
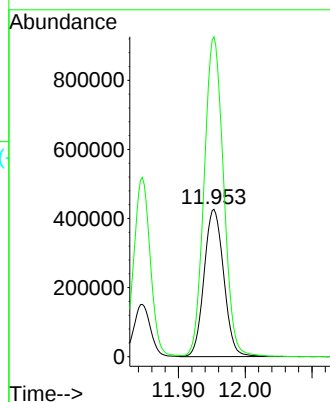
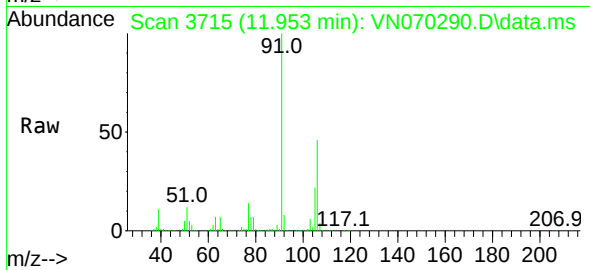




#68
m/p-Xylenes
Concen: 42.771 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

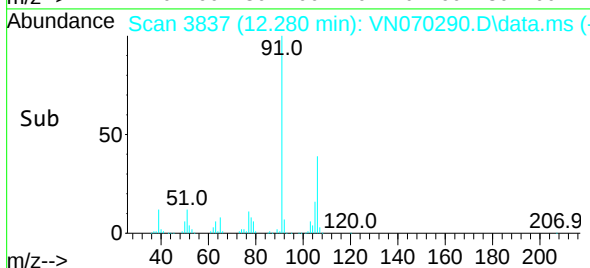
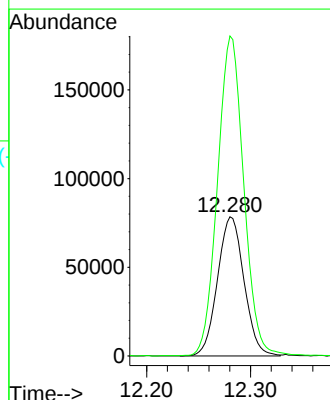
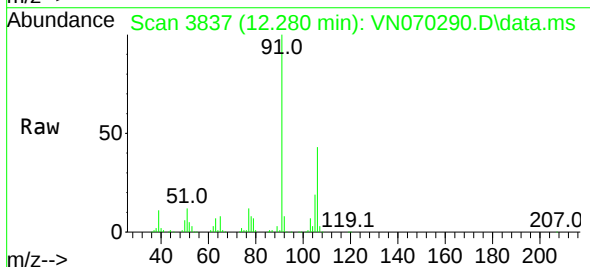
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

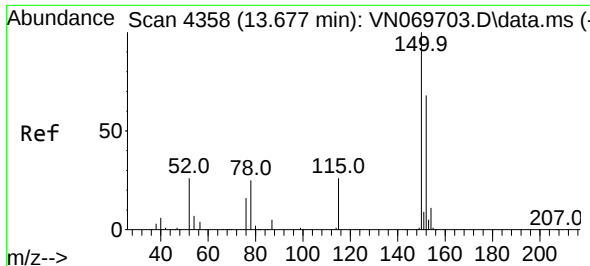
Tgt Ion:106 Resp: 870920
Ion Ratio Lower Upper
106 100
91 214.6 160.6 240.8



#69
o-Xylene
Concen: 6.781 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion:106 Resp: 139079
Ion Ratio Lower Upper
106 100
91 227.2 105.8 317.3

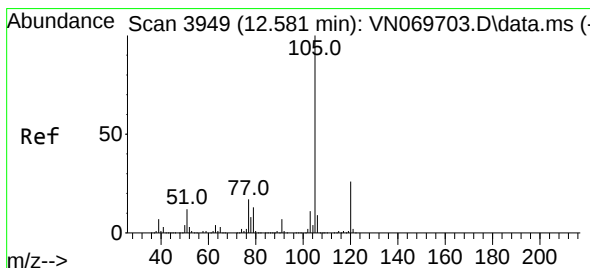
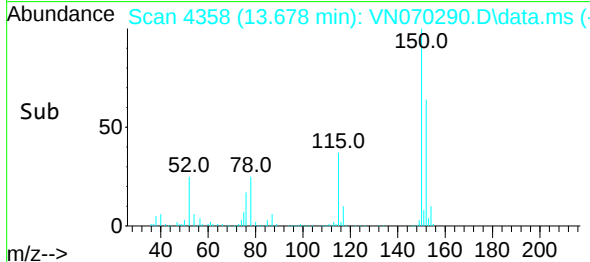
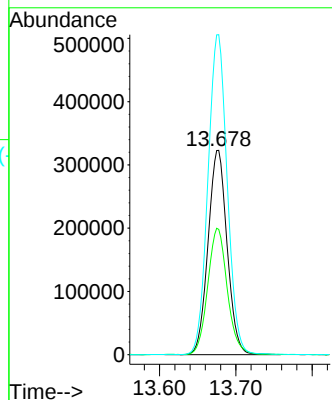
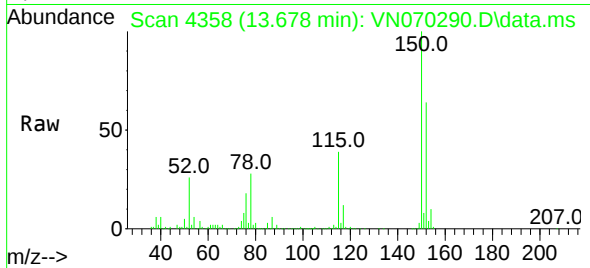




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

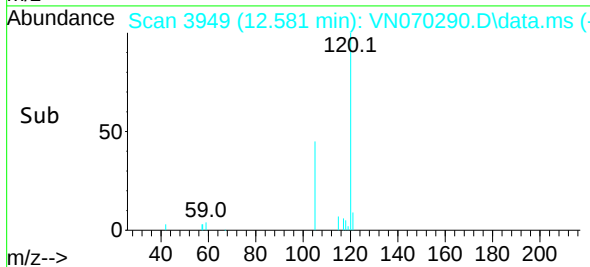
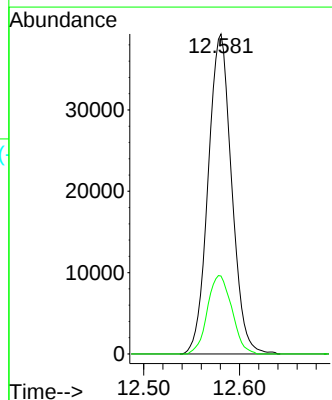
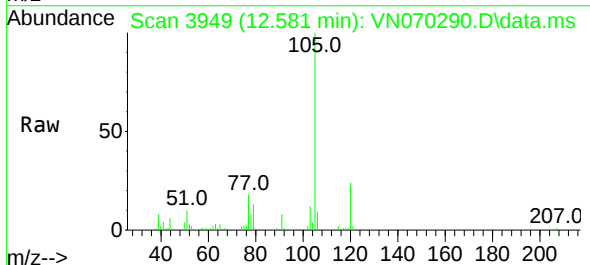
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

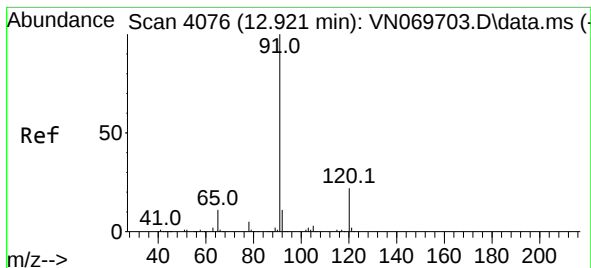
Tgt Ion:152 Resp: 560513
Ion Ratio Lower Upper
152 100
115 63.2 27.5 82.5
150 157.9 0.0 344.4



#73
Isopropylbenzene
Concen: 1.343 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN070290.D
Acq: 22 Dec 2021 15:08

Tgt Ion:105 Resp: 66986
Ion Ratio Lower Upper
105 100
120 25.4 13.4 40.1





#78

n-propylbenzene

Concen: 2.108 ug/l

RT: 12.921 min Scan# 4076

Delta R.T. 0.000 min

Lab File: VN070290.D

Acq: 22 Dec 2021 15:08

Instrument :

MSVOA_N

ClientSampleId :

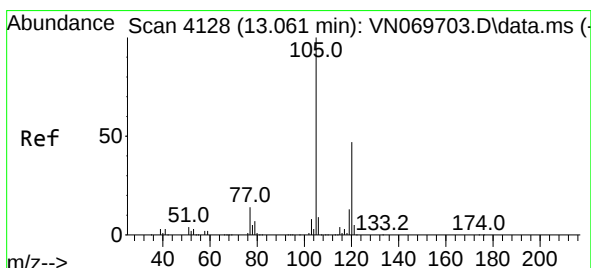
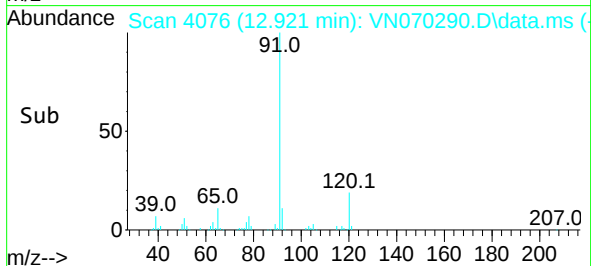
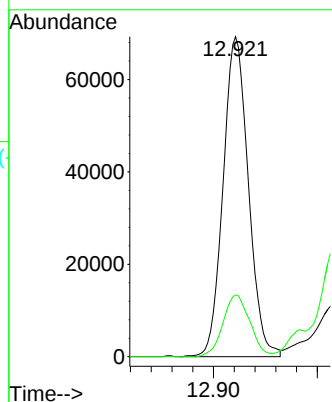
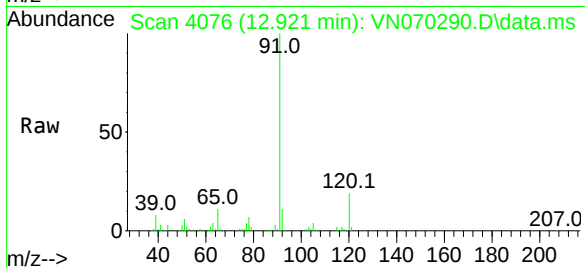
MW-14DL

Tgt Ion: 91 Resp: 116995

Ion Ratio Lower Upper

91 100

120 20.5 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 3.866 ug/l

RT: 13.061 min Scan# 4128

Delta R.T. 0.000 min

Lab File: VN070290.D

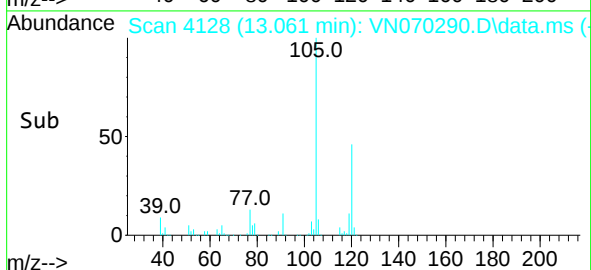
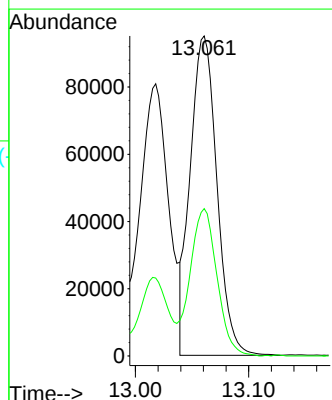
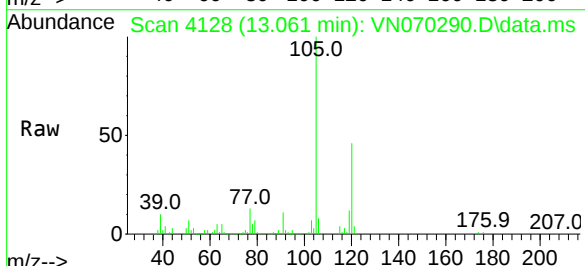
Acq: 22 Dec 2021 15:08

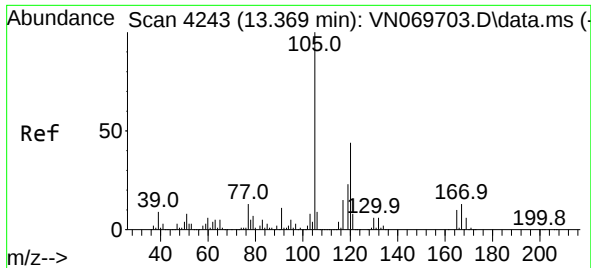
Tgt Ion:105 Resp: 155161

Ion Ratio Lower Upper

105 100

120 46.7 24.6 73.6





#84
 1,2,4-Trimethylbenzene
 Concen: 16.583 ug/l
 RT: 13.369 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070290.D
 Acq: 22 Dec 2021 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14DL

Tgt Ion:105 Resp: 633931
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.8 68.4

