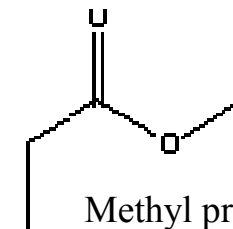
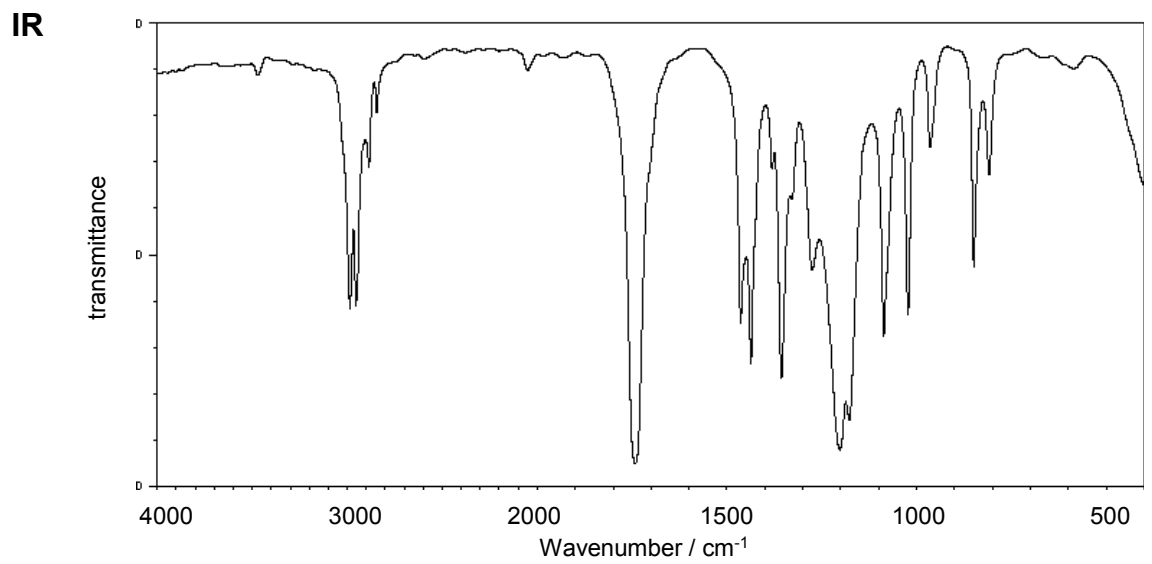


Elemental Analysis: C, 54.51; H, 9.09

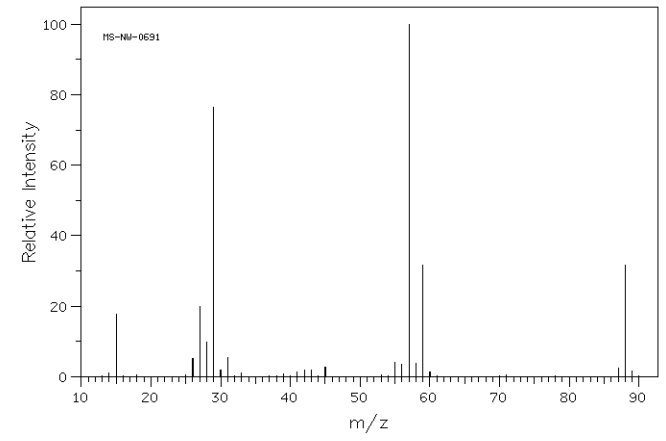
Example #1



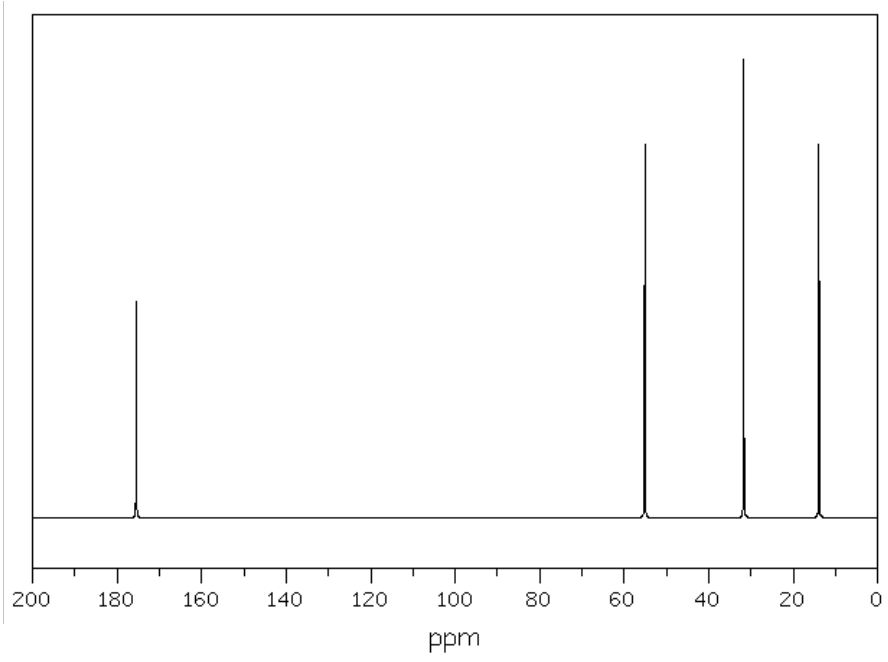
Methyl propionate



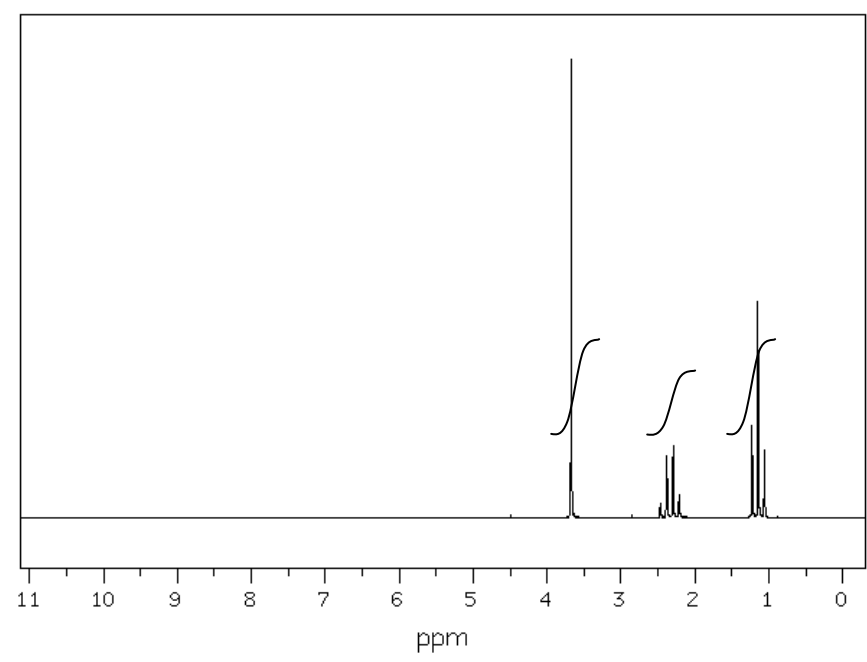
Mass Spec



¹³C NMR

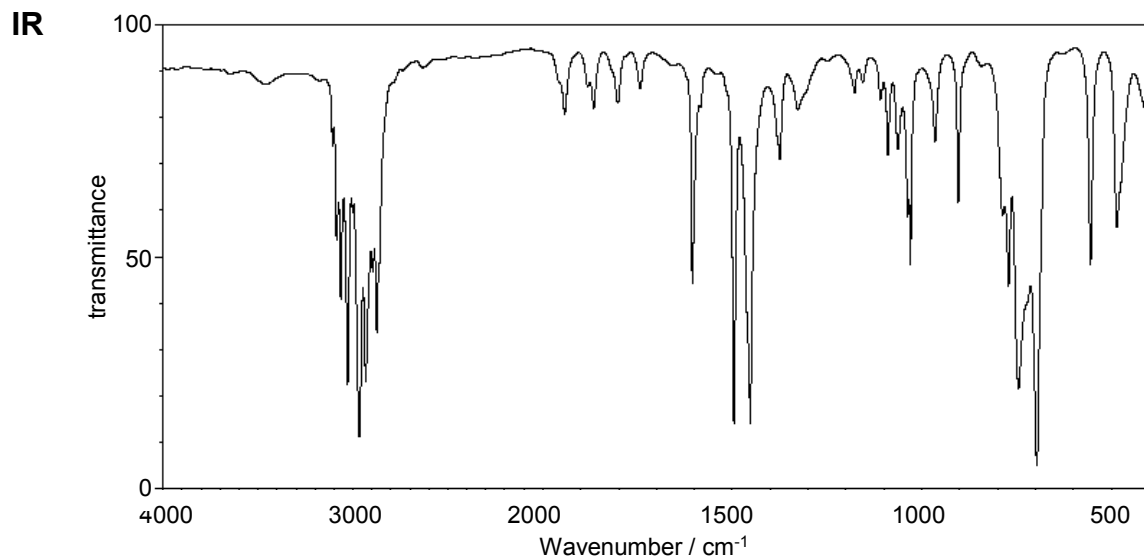
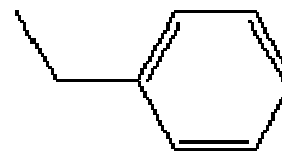


¹H NMR

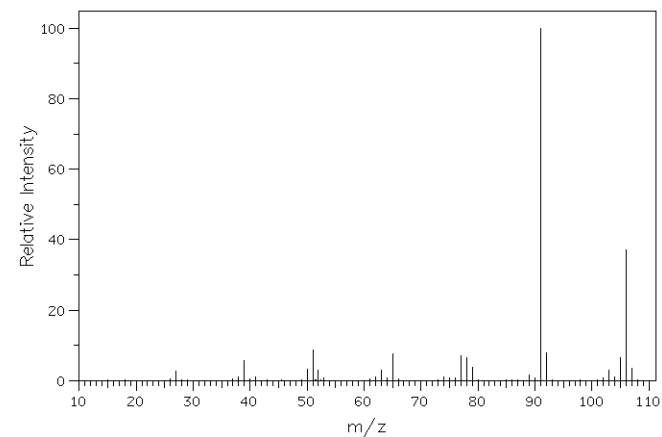


Elemental Analysis: C, 90.38; H, 9.47

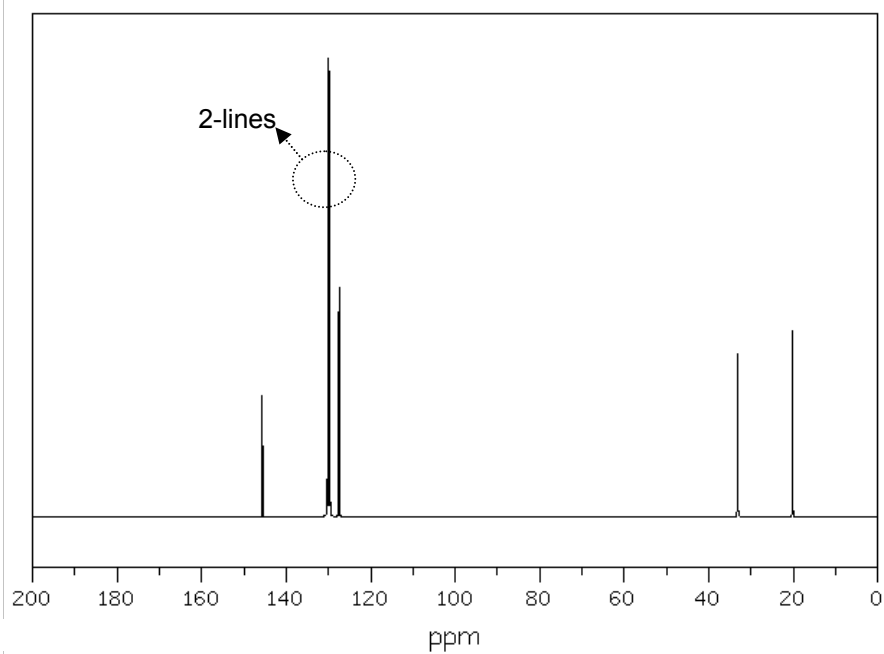
Example #2



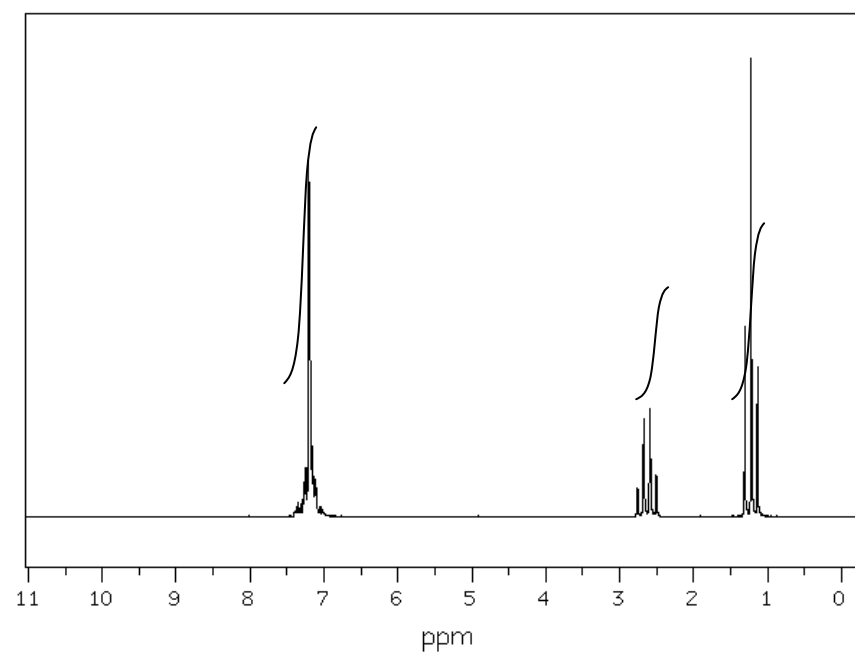
Mass Spec Ethyl benzene



^{13}C NMR

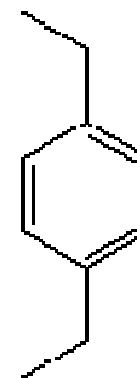
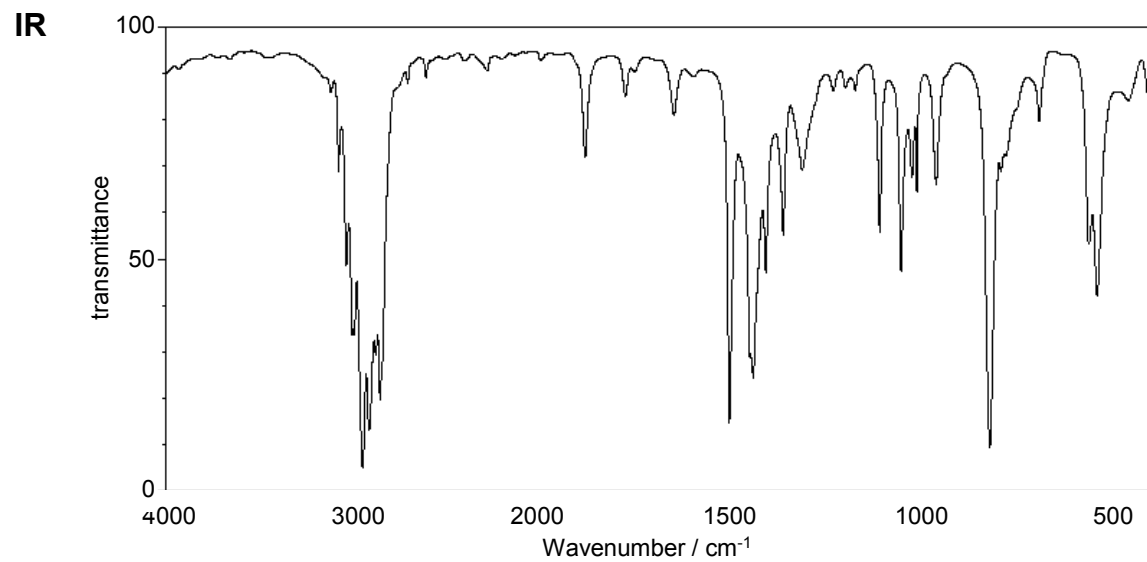


^1H NMR



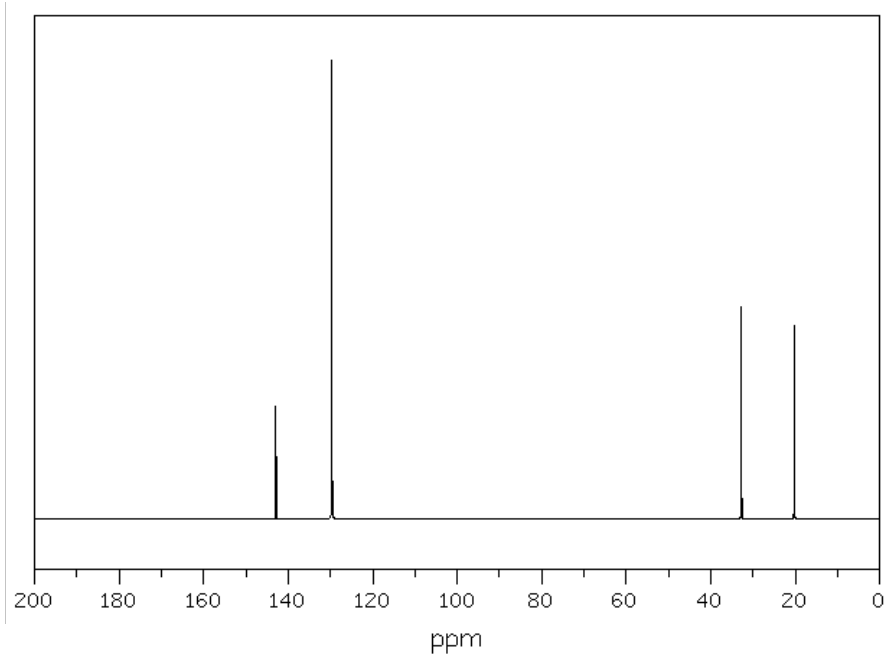
Empirical Formula: C_5H_7

Mass Spec: $M^+ m/e = 134$

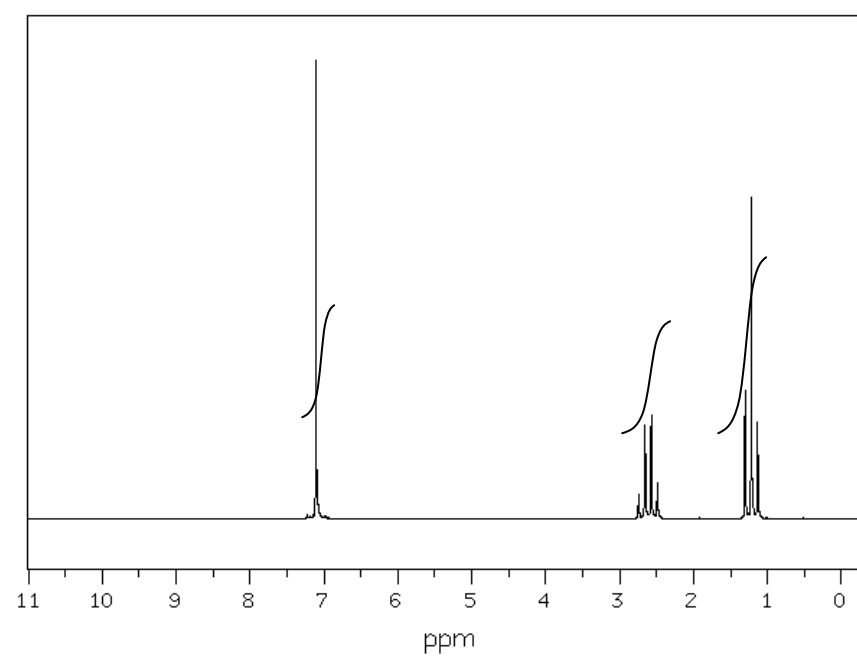


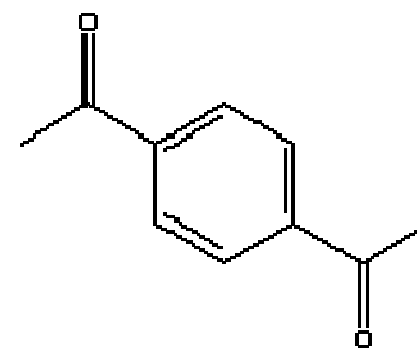
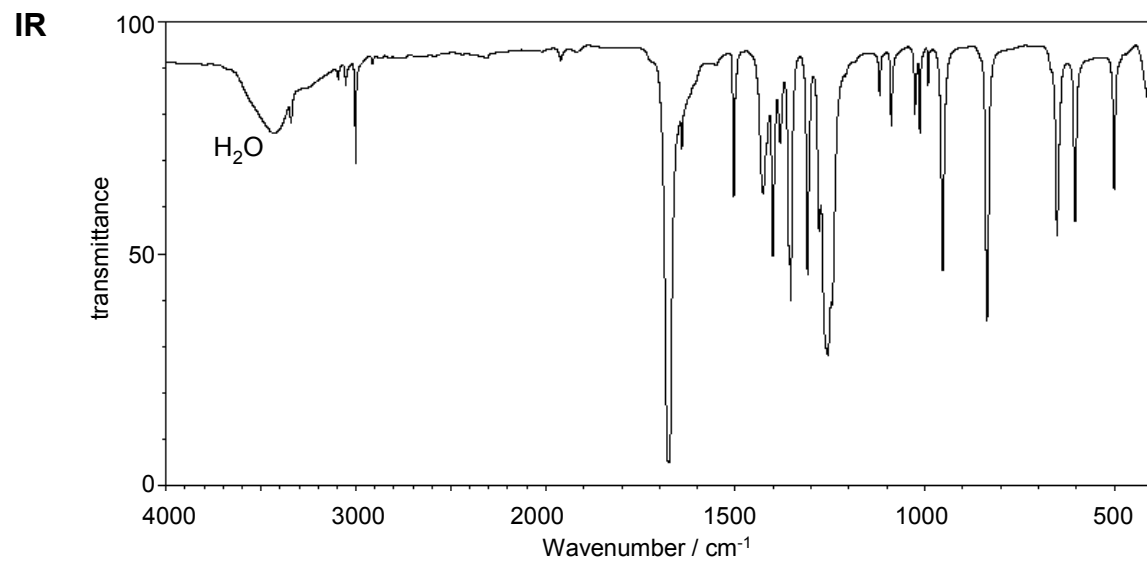
P-diethylbenzene

^{13}C NMR

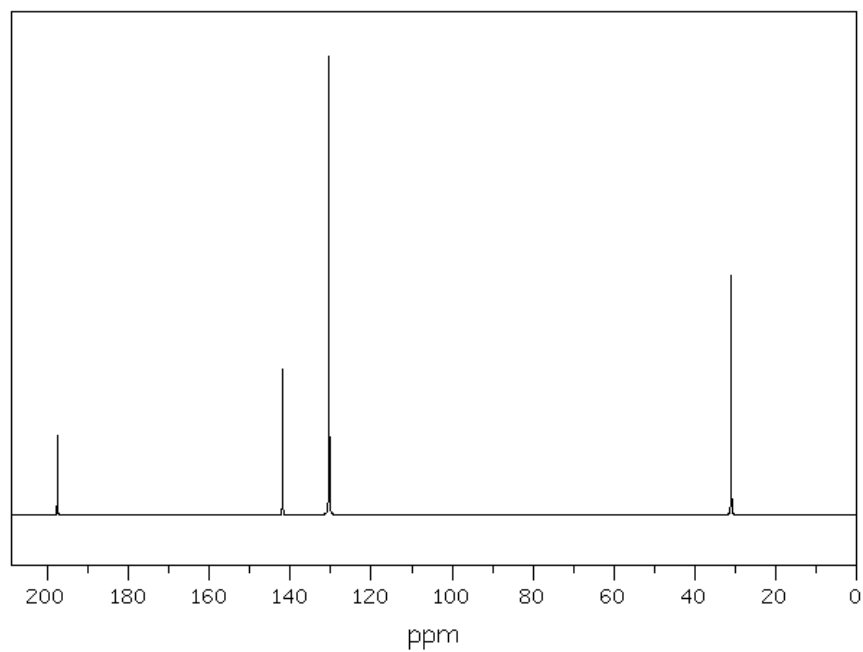
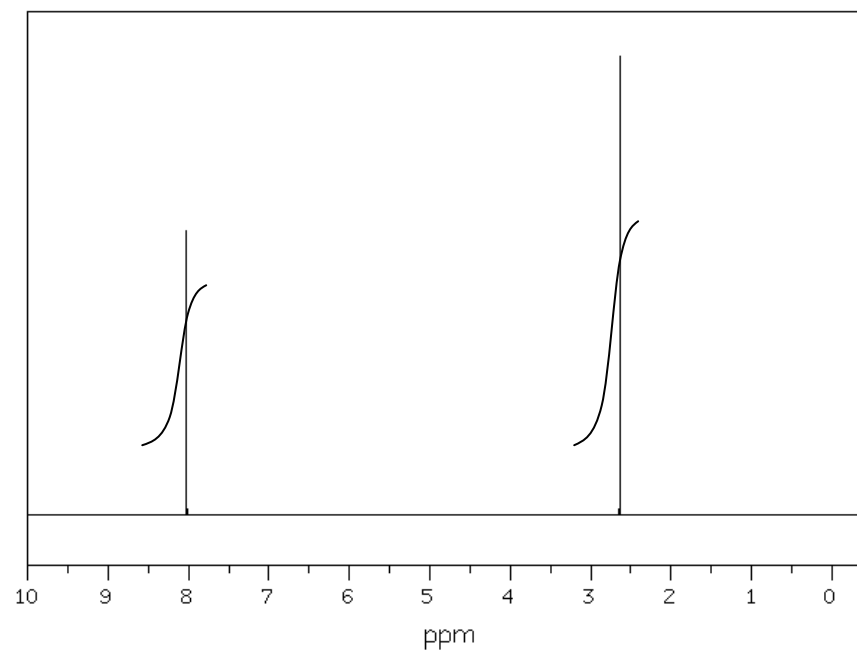


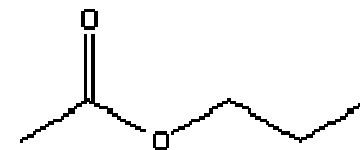
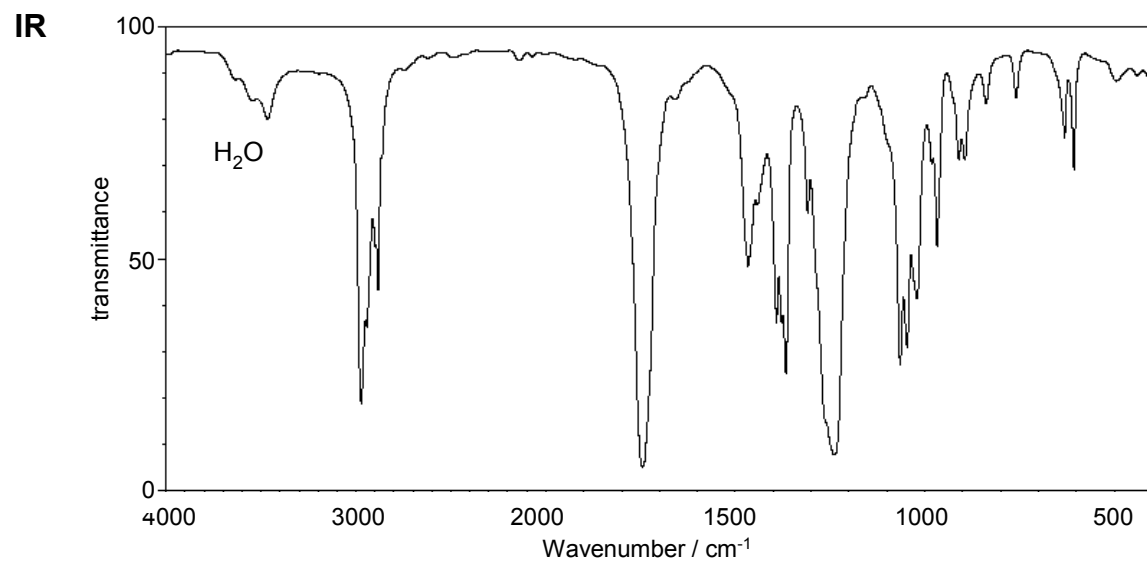
1H NMR



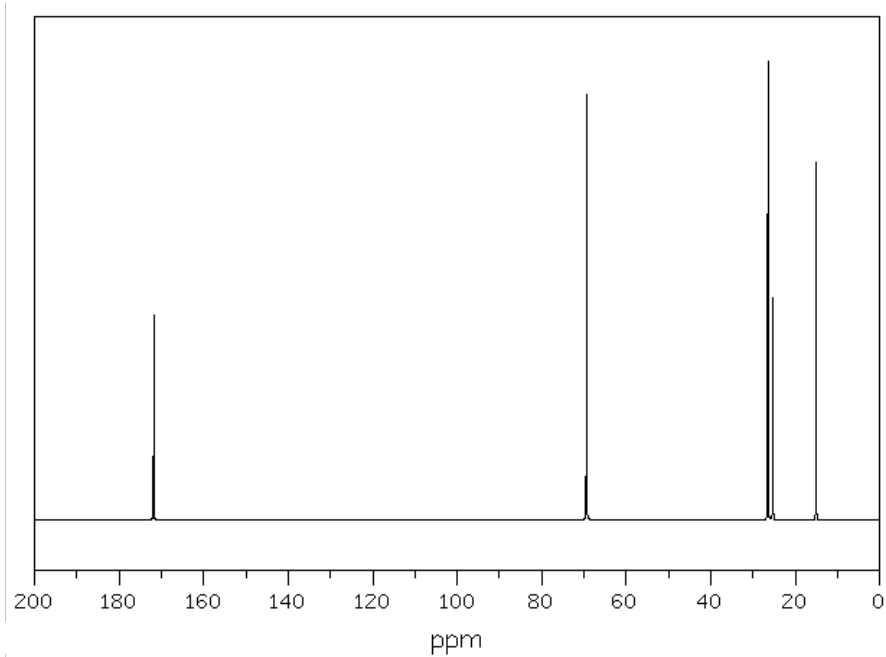
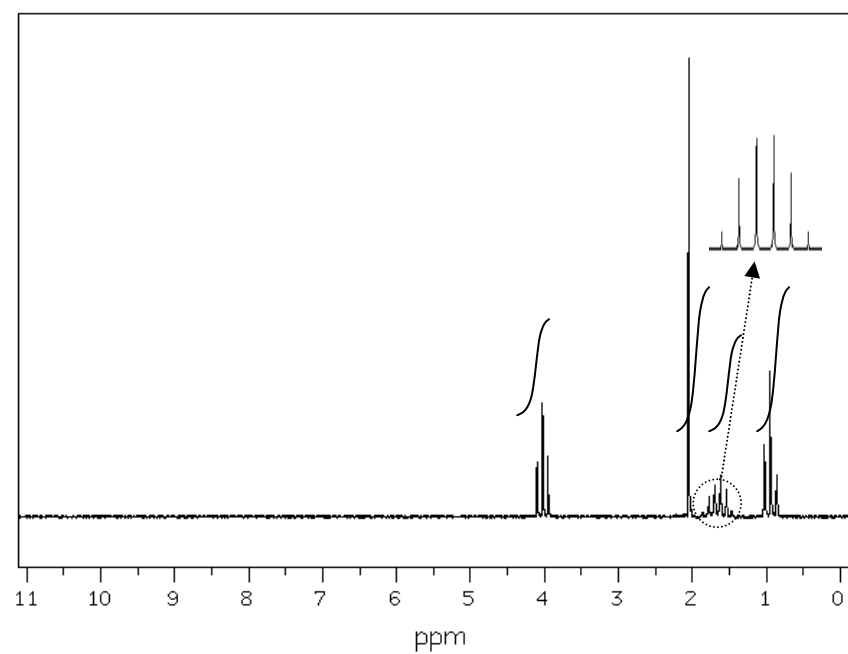
Empirical Formula: C_5H_5O Mass Spec: $M^+ m/e = 162$ 

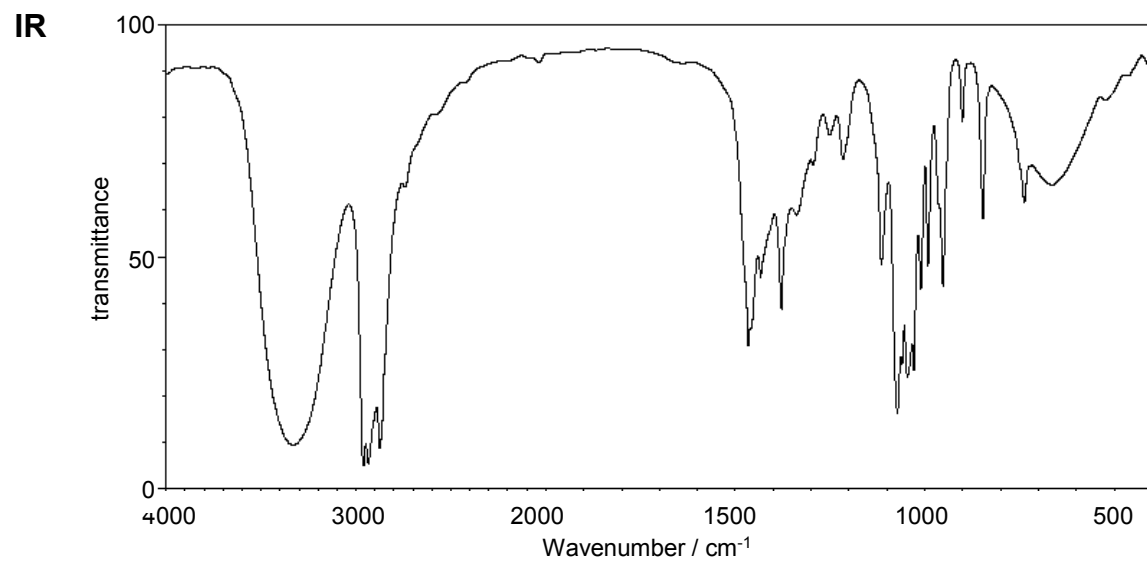
P-diacetylbenzene

 ^{13}C NMR 1H NMR

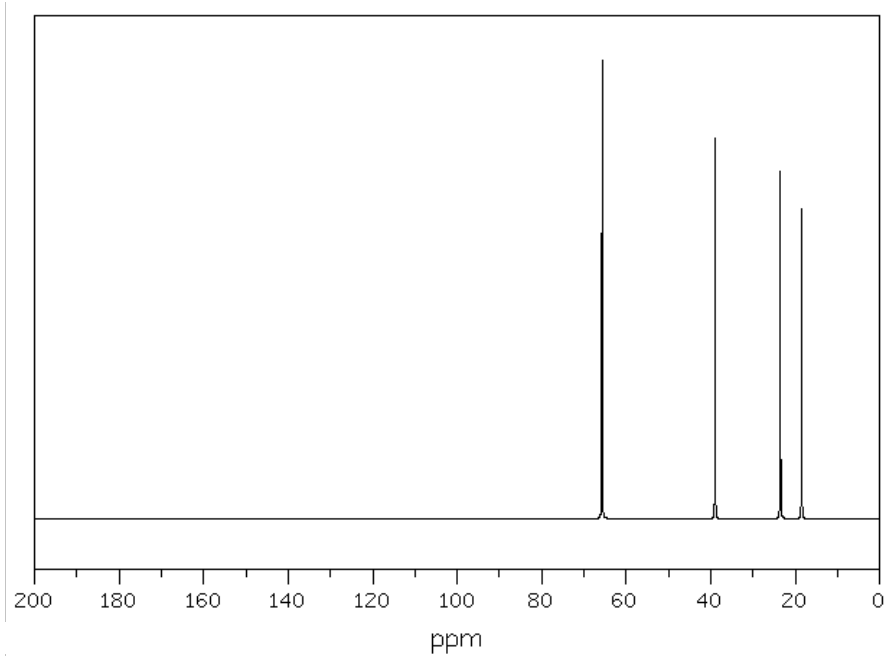
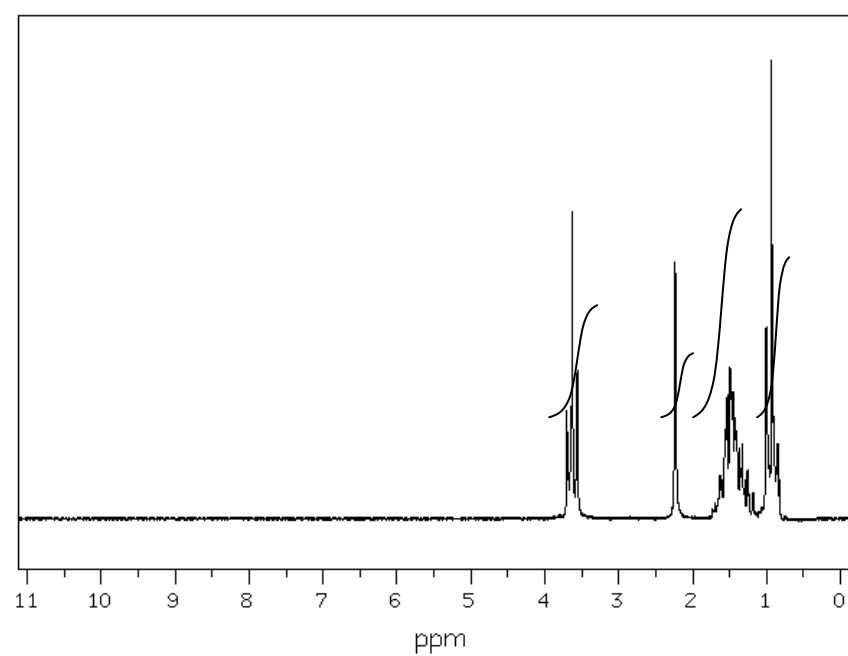
Empirical Formula: $C_5H_{10}O_2$ Mass Spec: $M^+ m/e = 102$ 

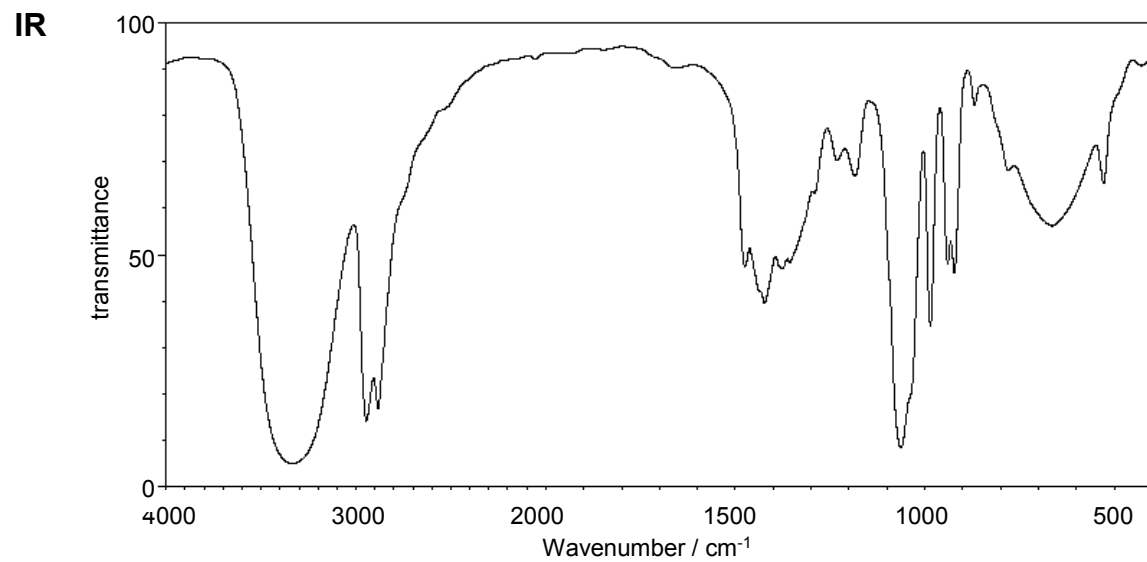
Propyl acetate

 ^{13}C NMR 1H NMR

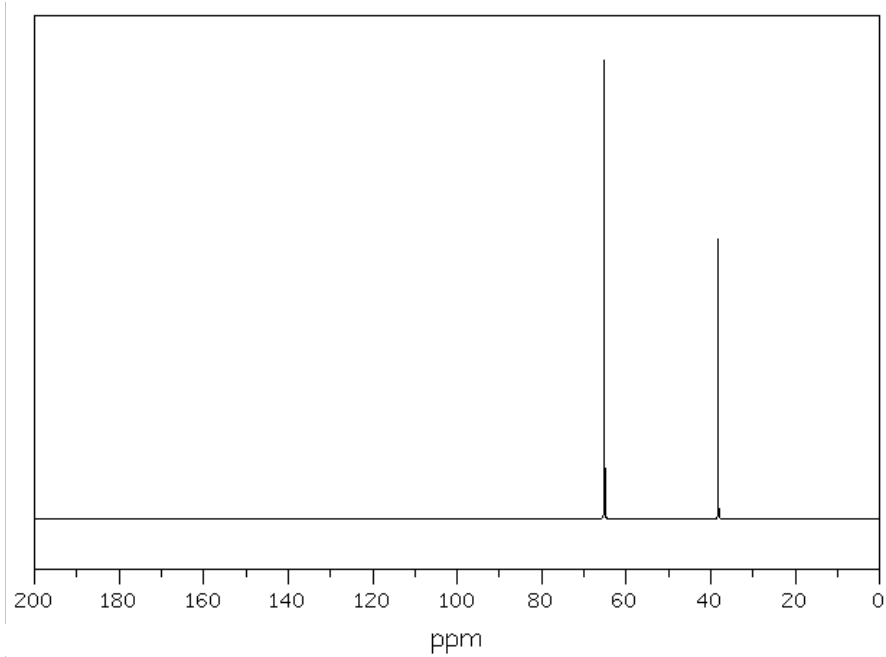
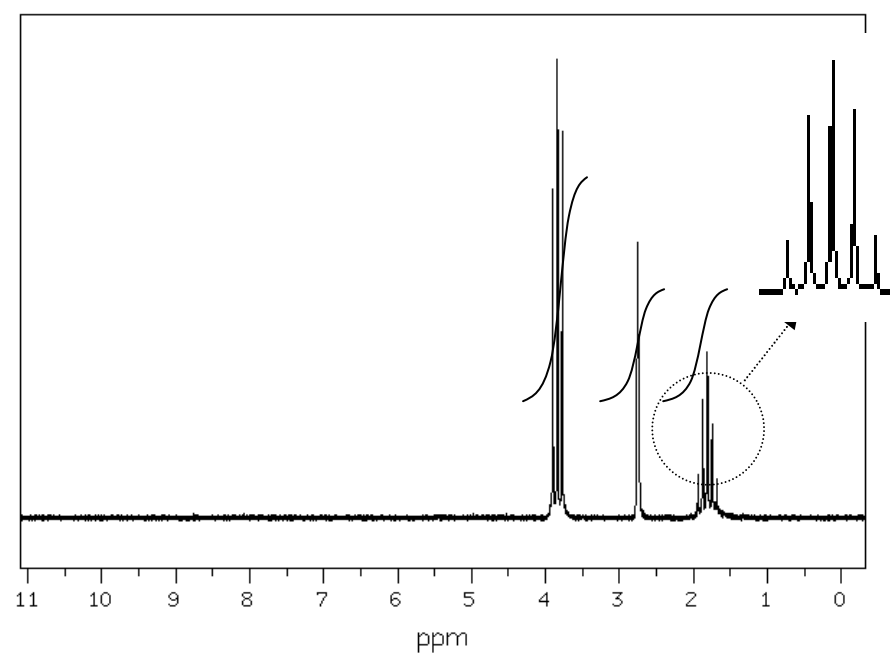
Empirical Formula: $C_4H_{10}O$ Mass Spec: $M^+ m/e = 74$ 

1-butanol

 ^{13}C NMR 1H NMR

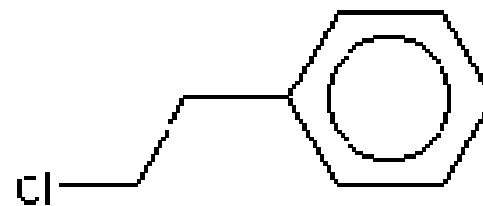
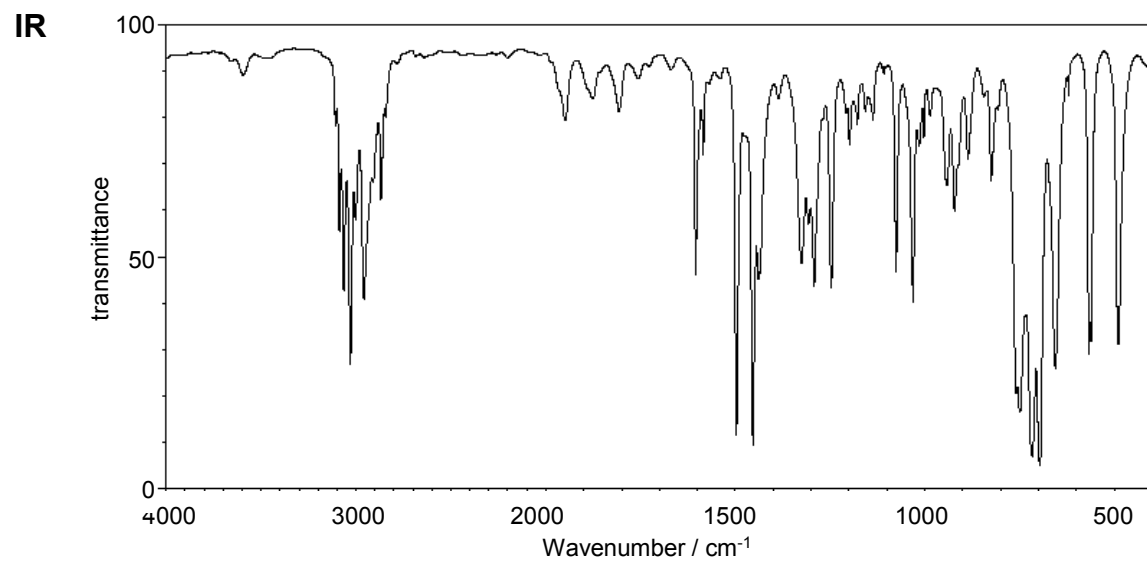
Empirical Formula: $C_3H_8O_2$ Mass Spec: $M^+ m/e = 76$ 

1,3-propanediol

 ^{13}C NMR 1H NMR

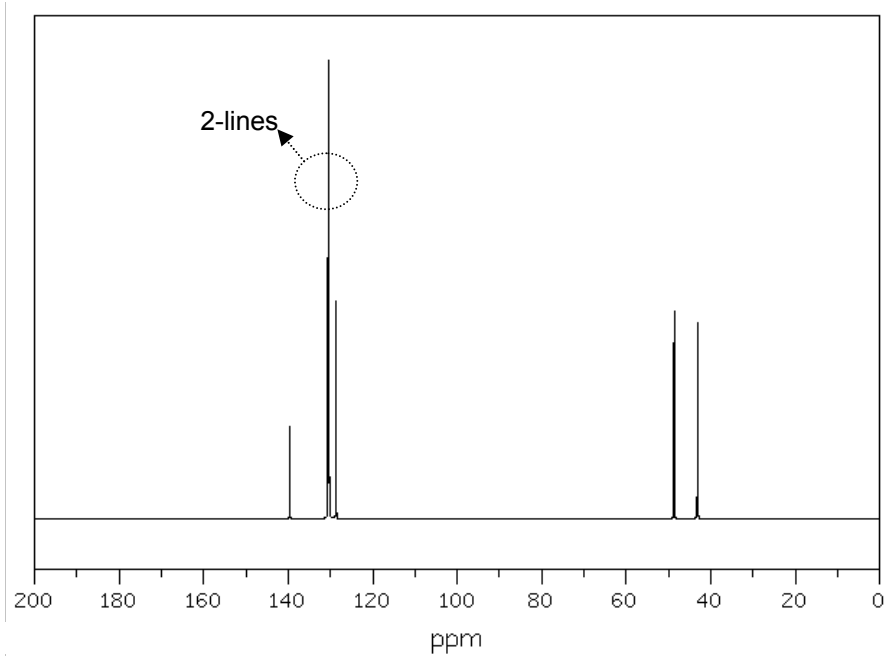
Empirical Formula: C_8H_9Cl

Mass Spec: M^+ $m/e = 140$ and 142 (3:1 ratio)

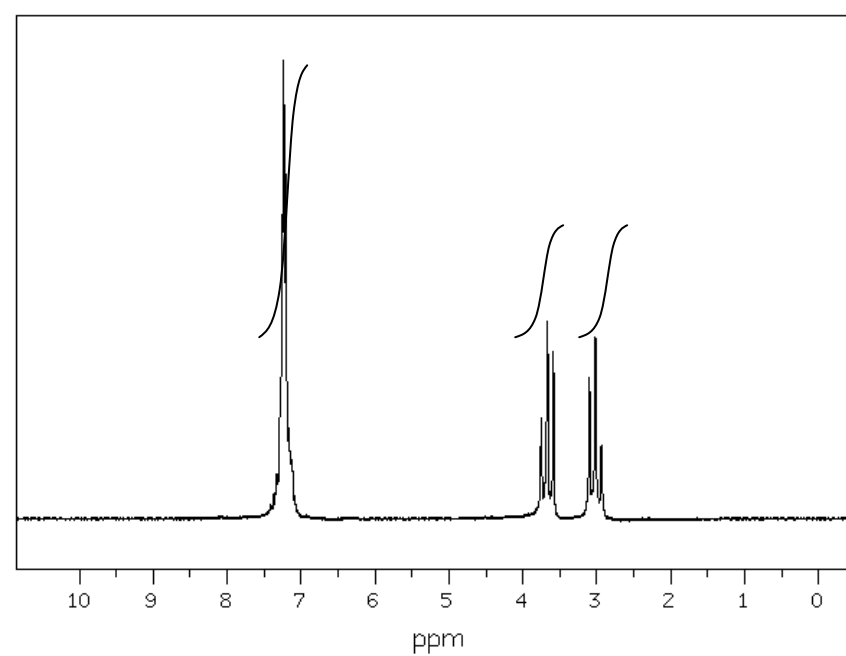


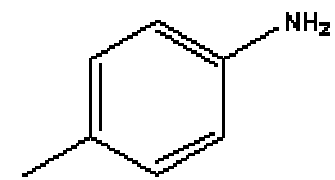
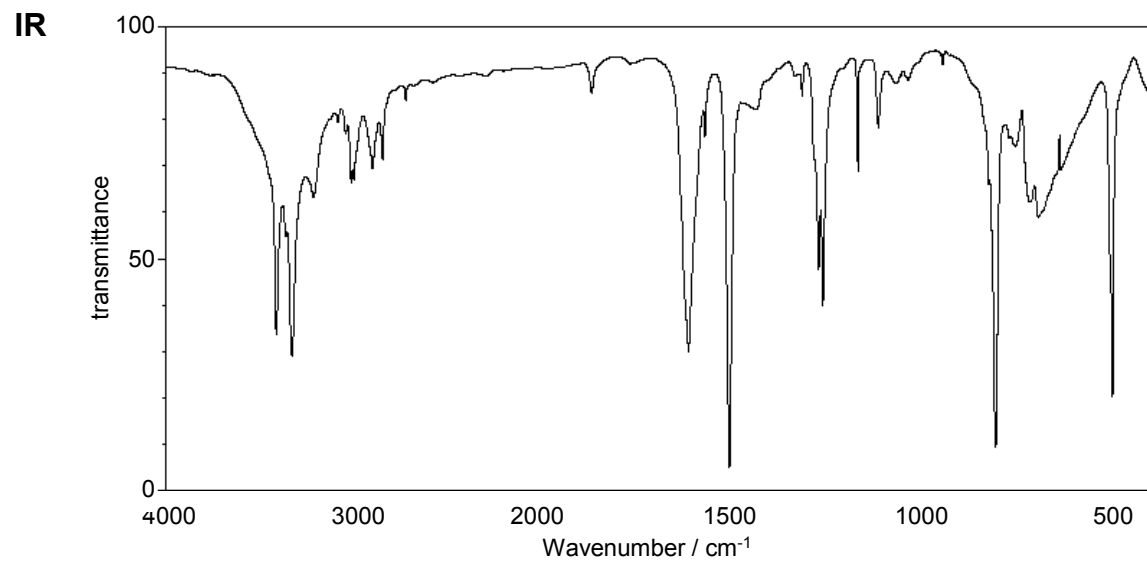
1-chloro-2-phenylethane

^{13}C NMR

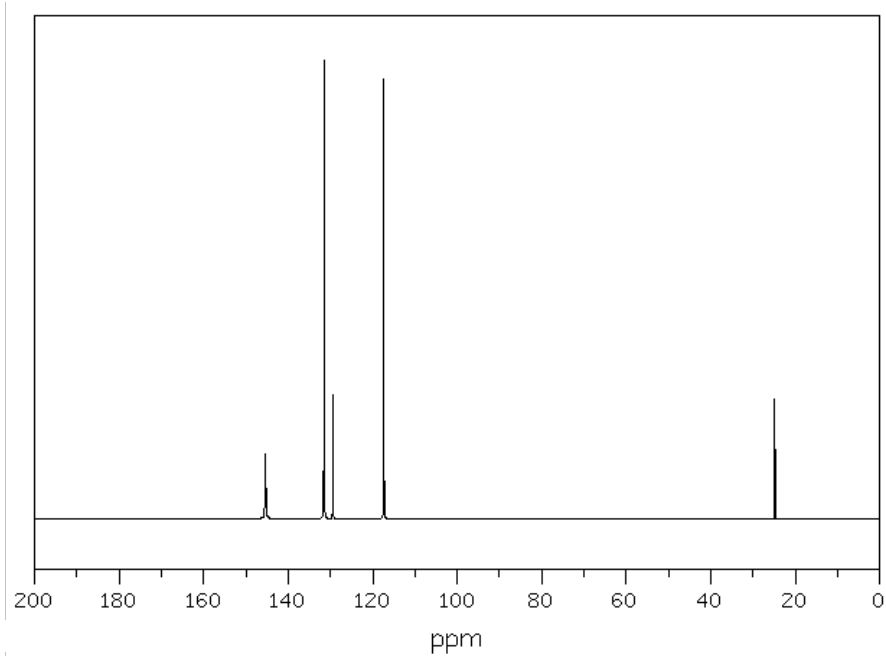
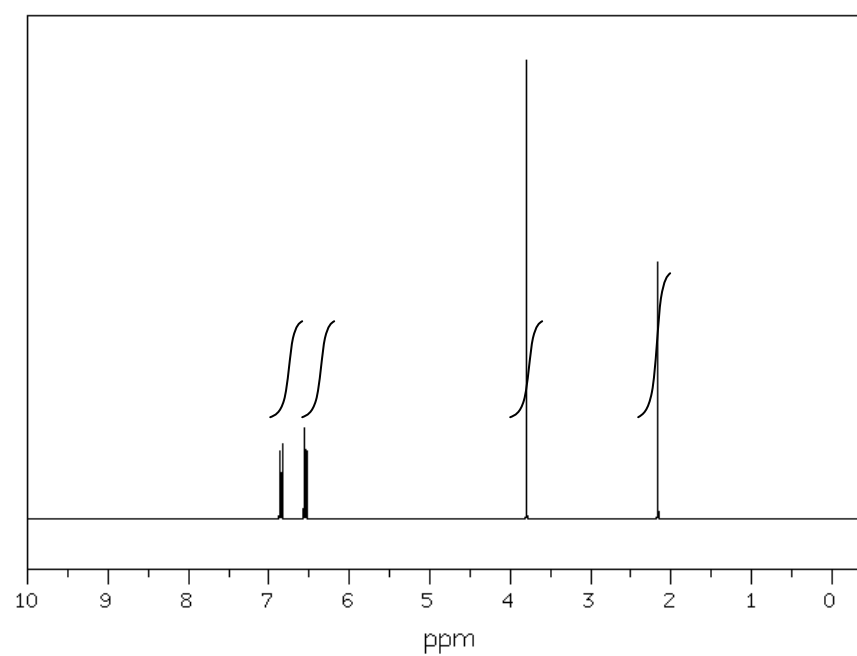


1H NMR



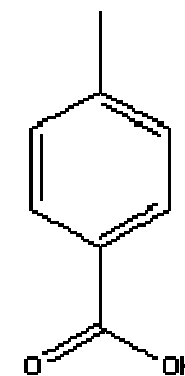
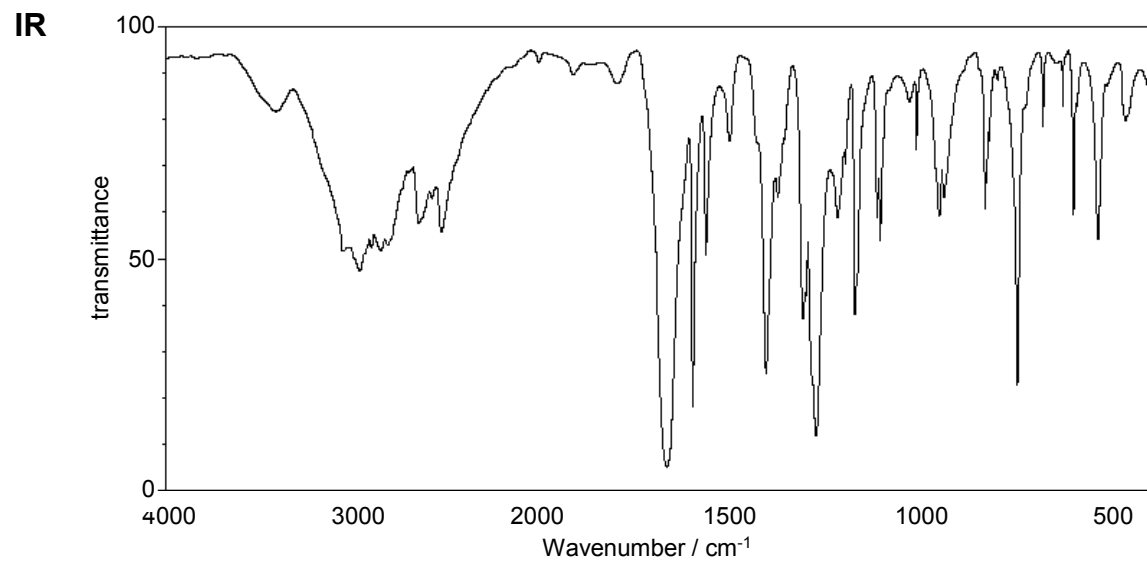
Empirical Formula: C_7H_9N Mass Spec: $M^+ m/e = 107$ 

P-toluidine

 ^{13}C NMR 1H NMR

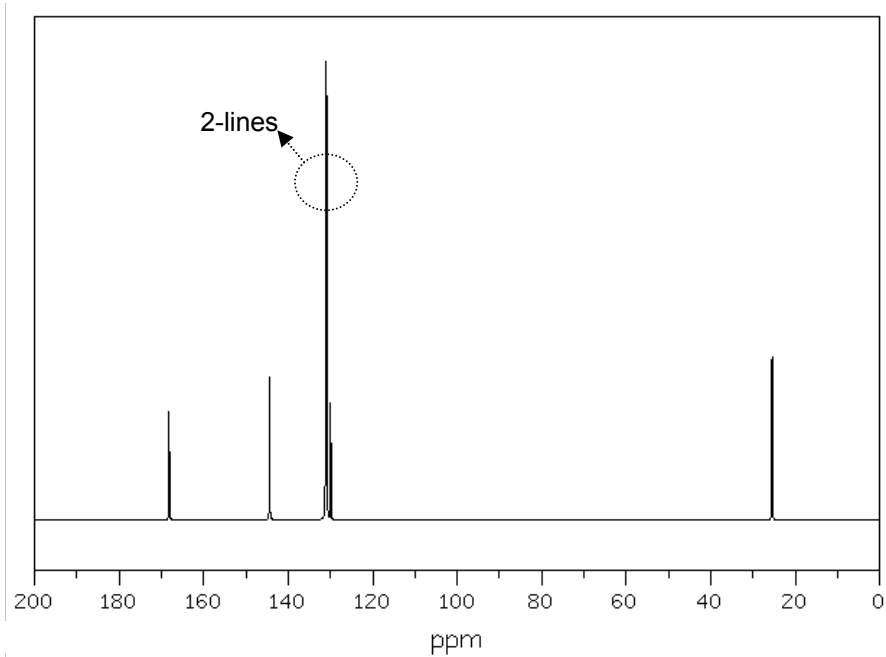
Empirical Formula: C_4H_4O

Mass Spec: $M^+ m/e = 136$

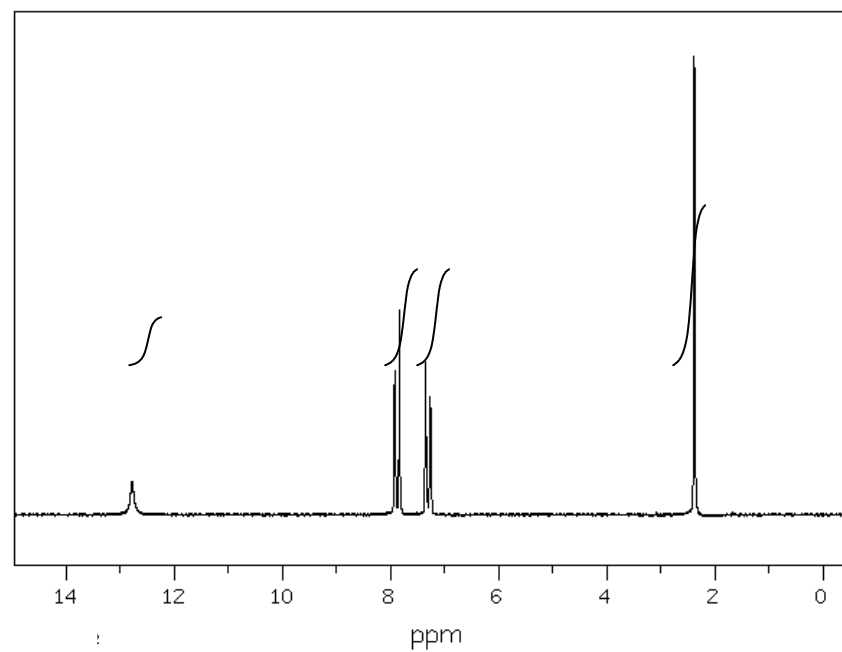


P-toluic acid

^{13}C NMR

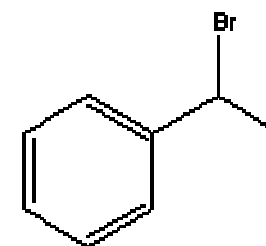
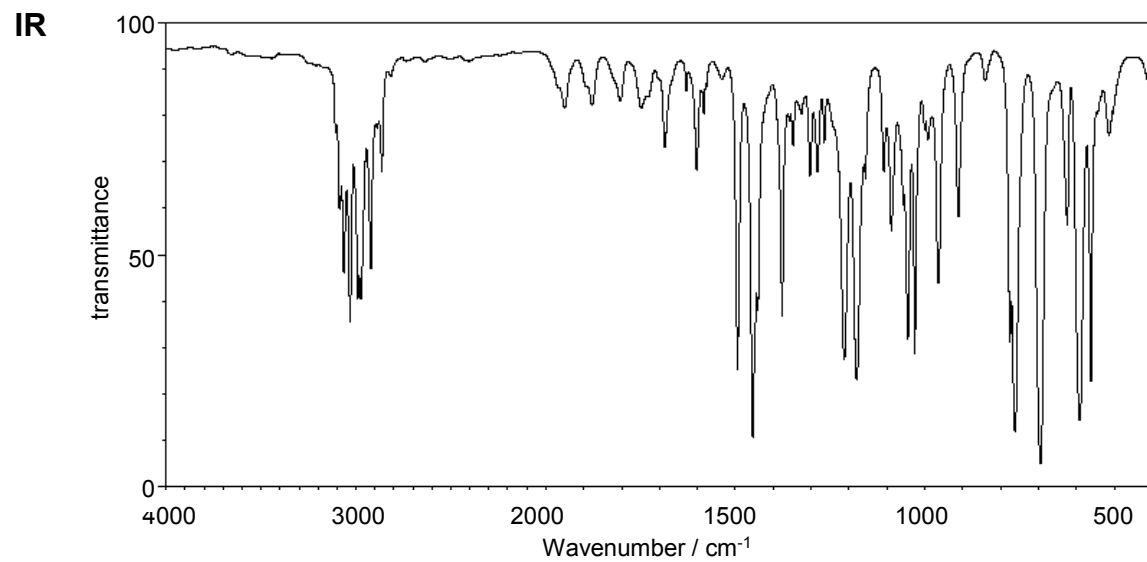


1H NMR



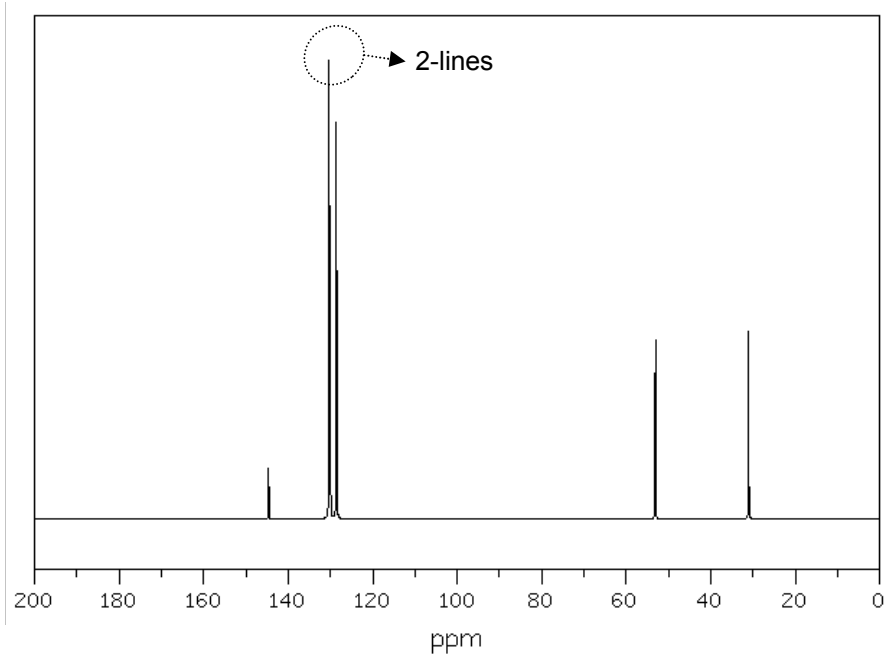
Empirical Formula: C_8H_9Br

Mass Spec: M^+ $m/e = 184$ and 186 (1:1 ratio)

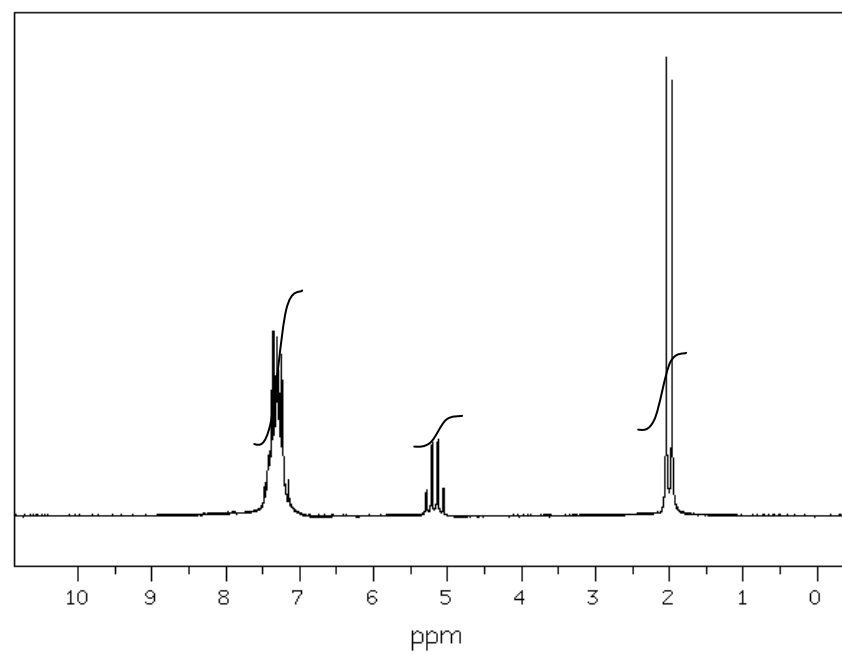


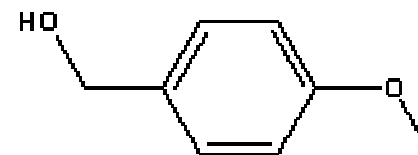
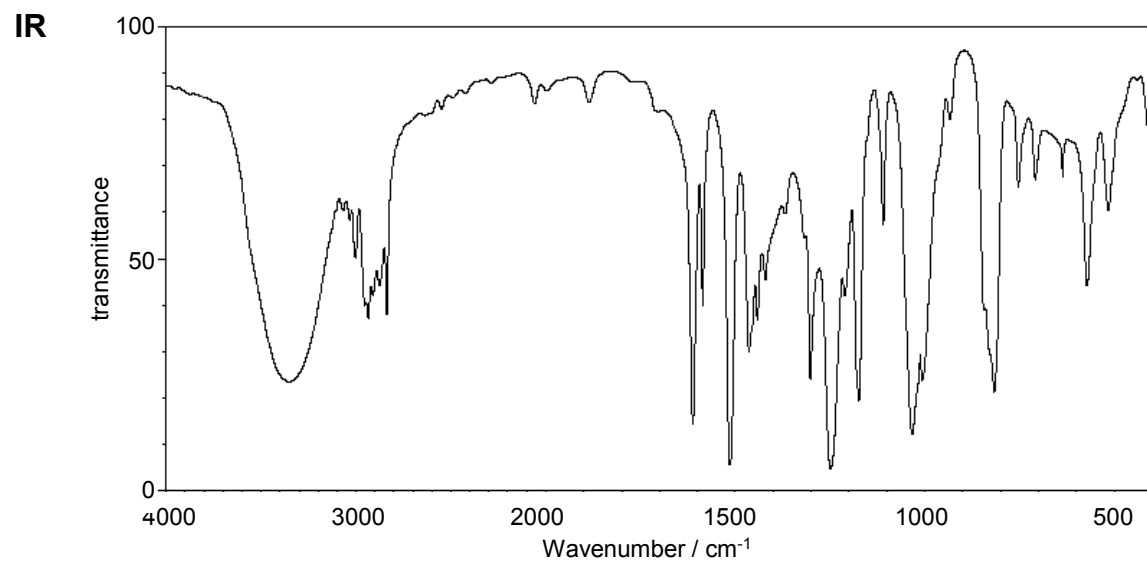
1-bromoethylbenzene

^{13}C NMR

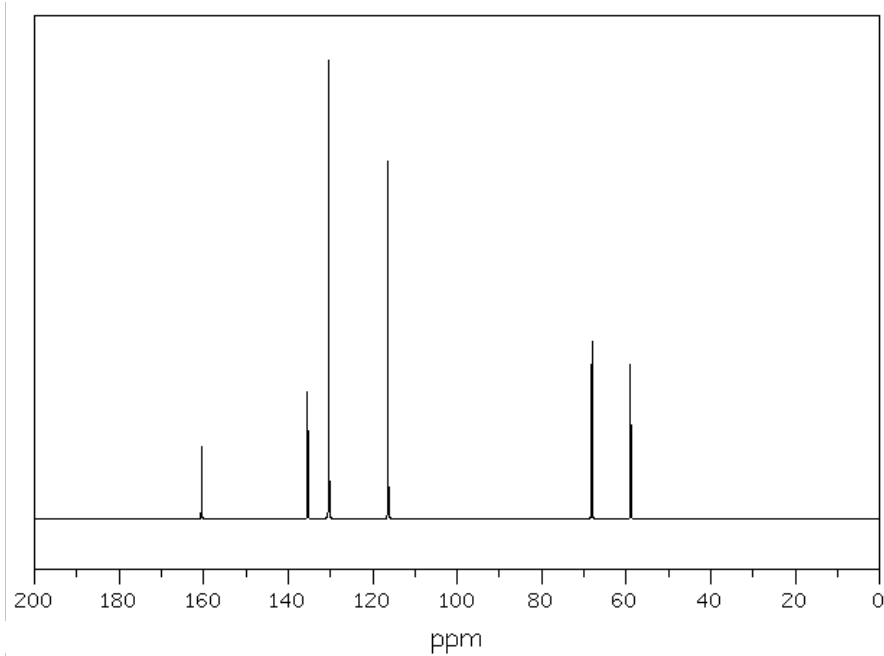


1H NMR



Empirical Formula: C_4H_5O Mass Spec: $M^+ m/e = 138$ 

P-methoxy benzyl alcohol

 ^{13}C NMR 1H NMR