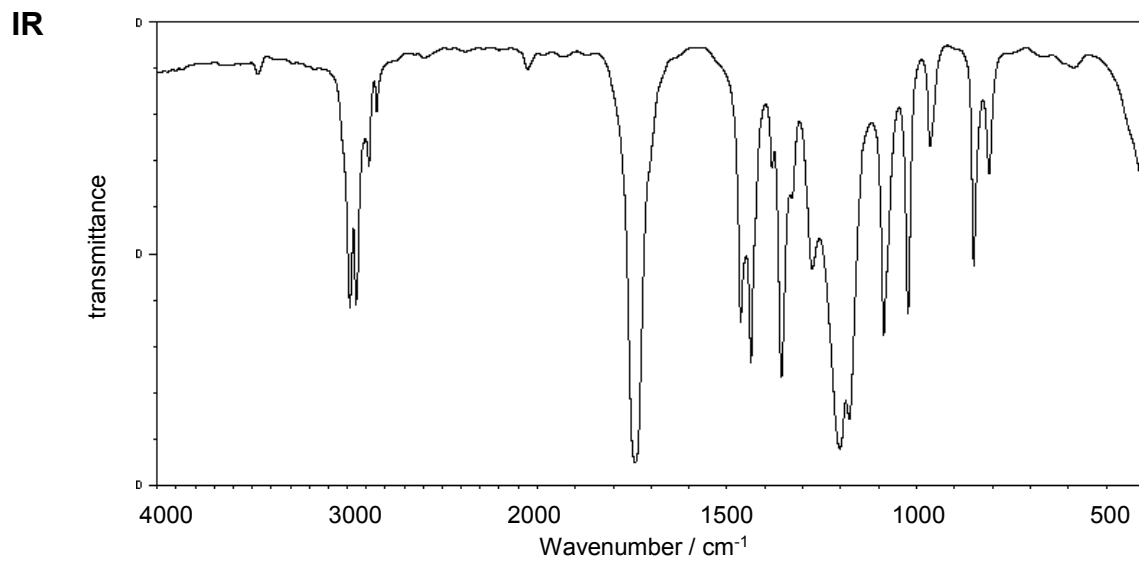
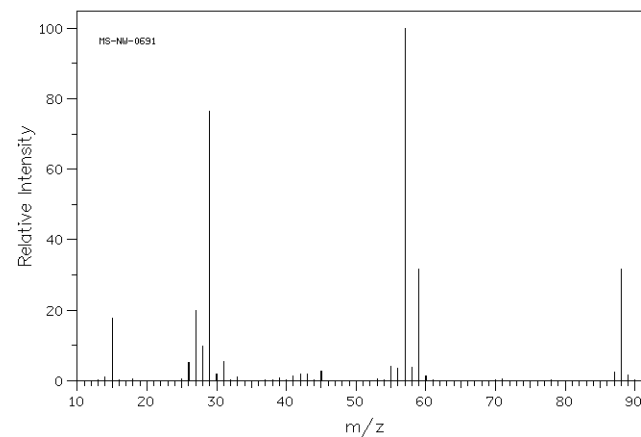


Elemental Analysis: C, 54.51; H, 9.09

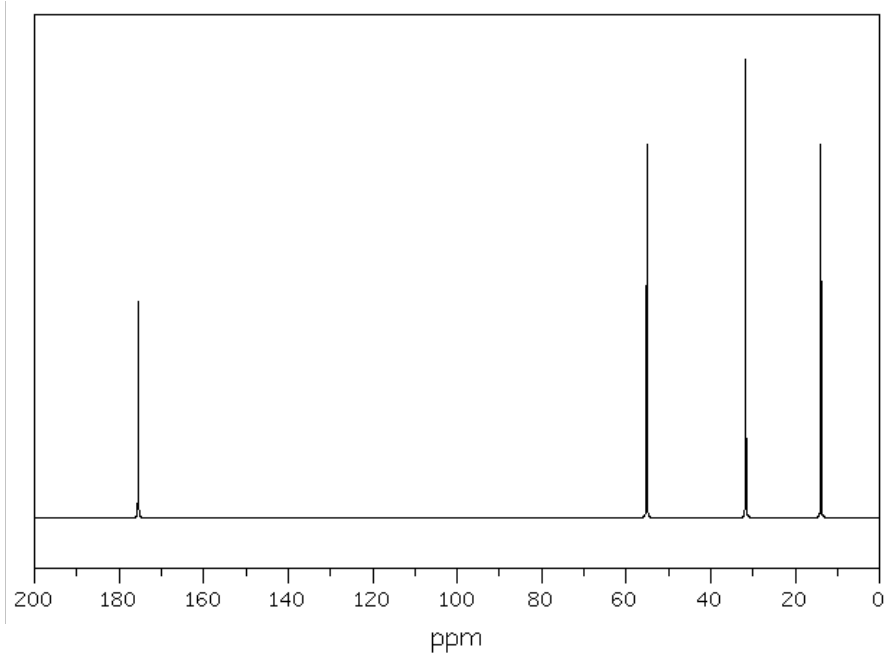
Example #1



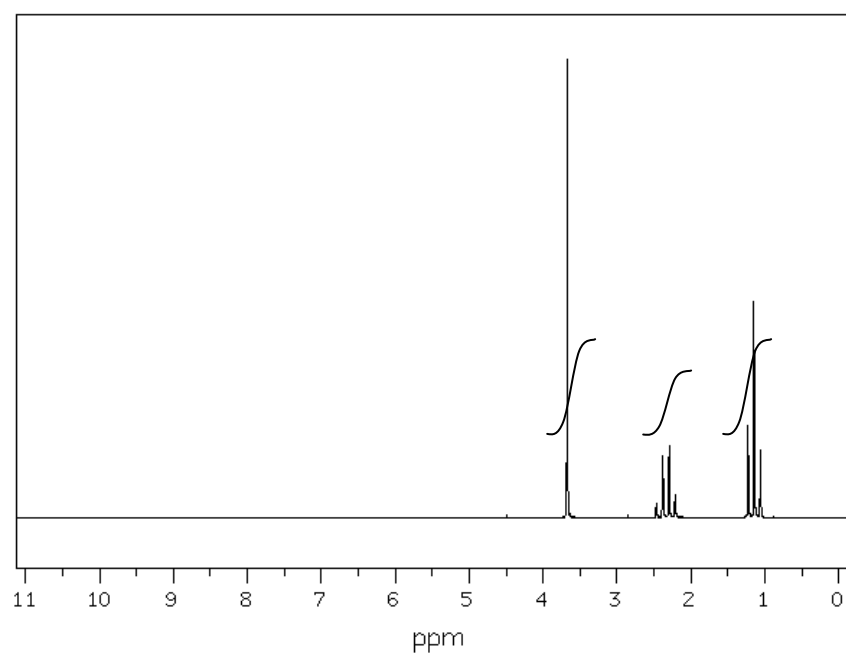
Mass Spec



¹³C NMR

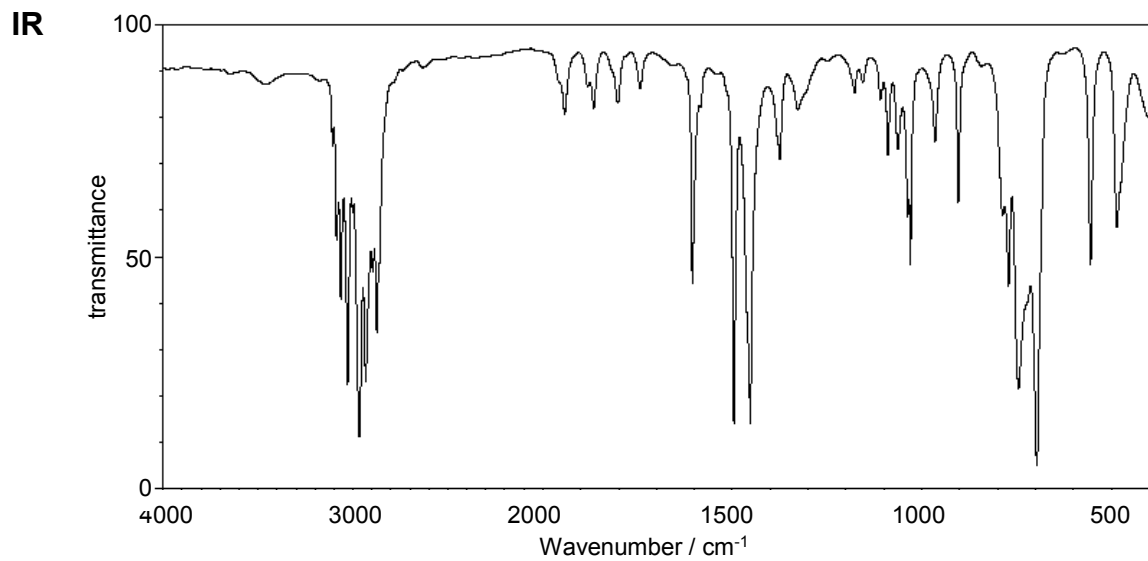


¹H NMR

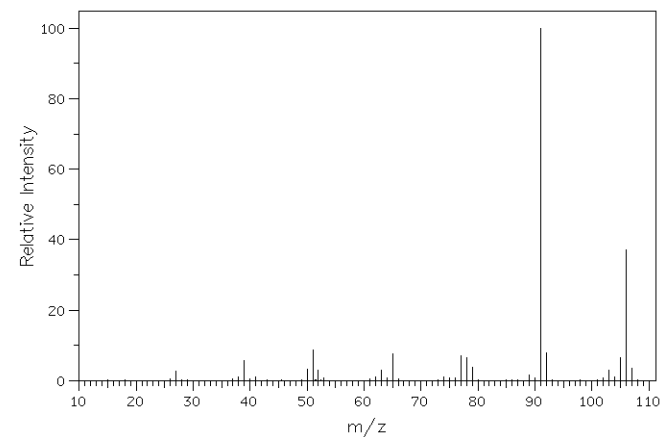


Elemental Analysis: C, 90.38; H, 9.47

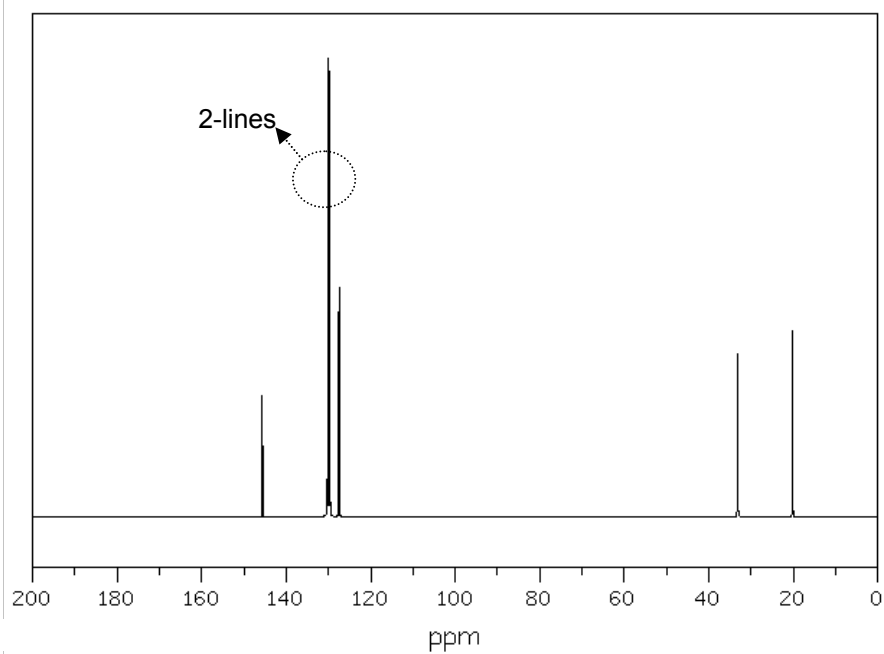
Example #2



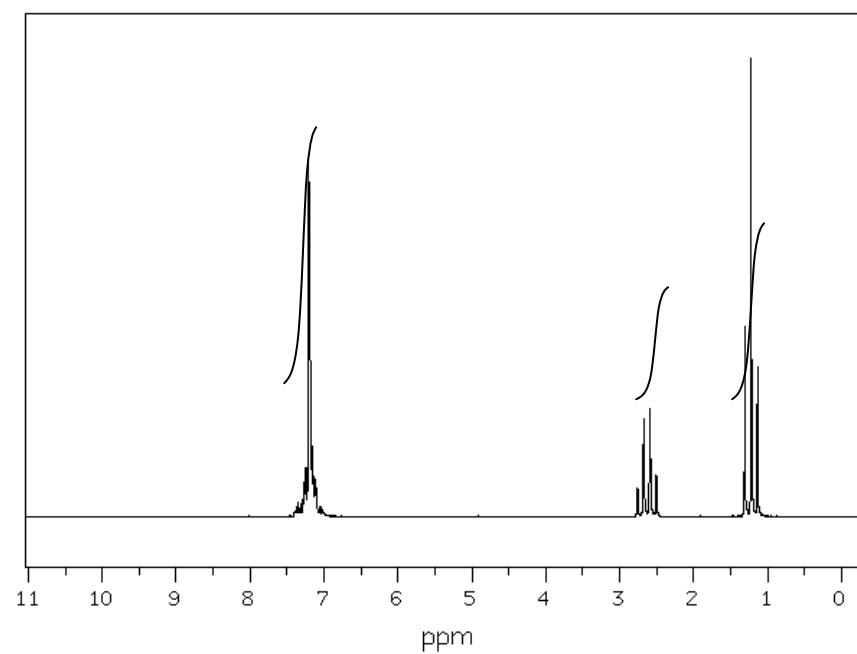
Mass Spec



^{13}C NMR

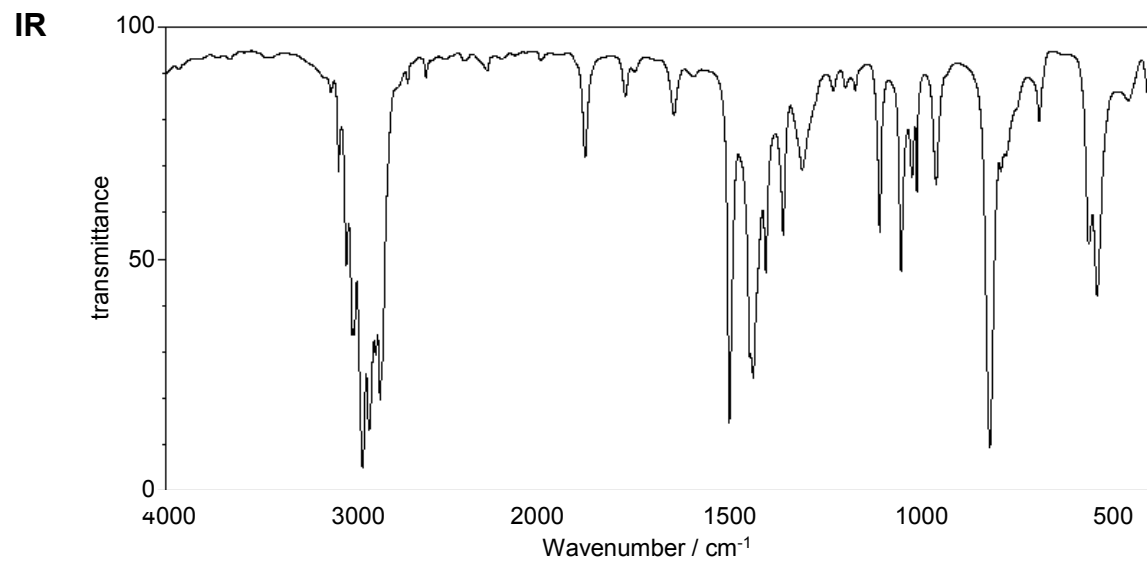


^1H NMR

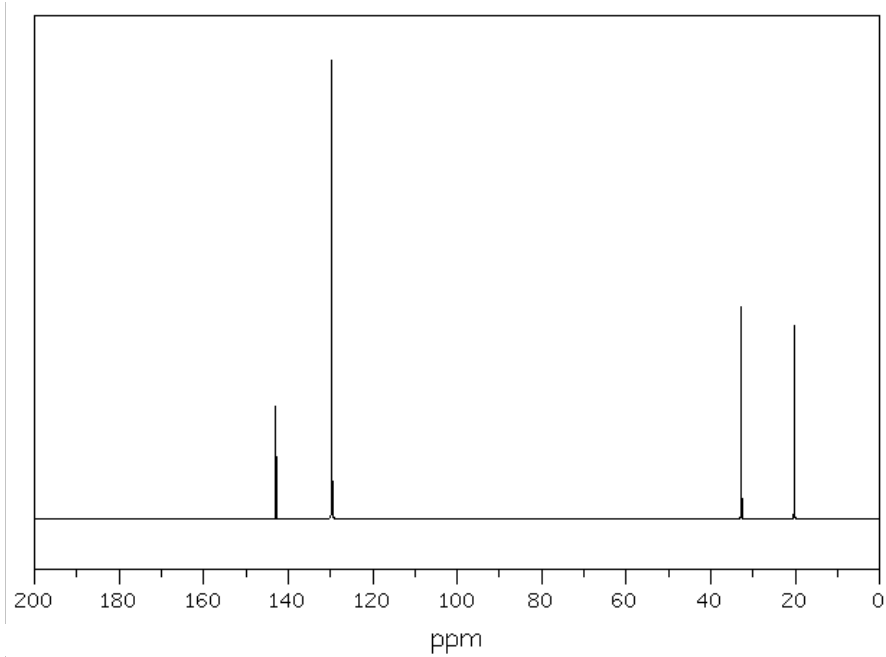


Empirical Formula: C_5H_7

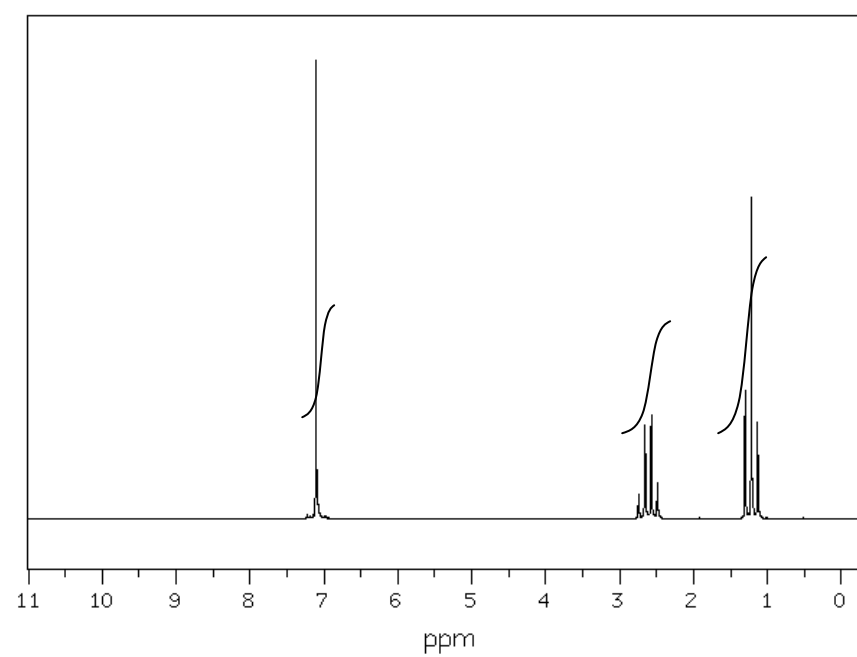
Mass Spec: $M^+ m/e = 134$

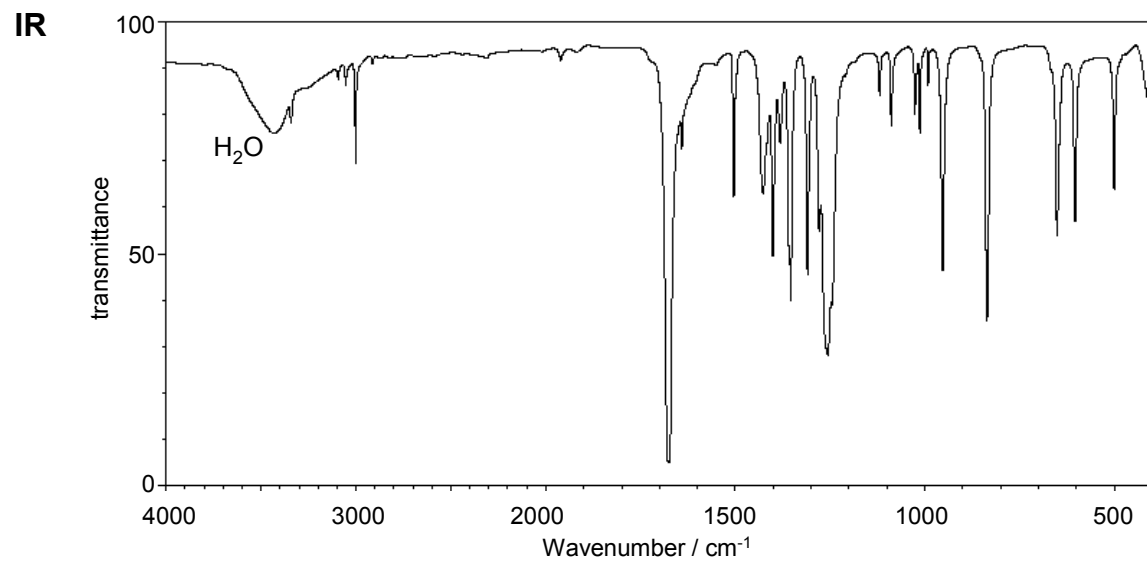
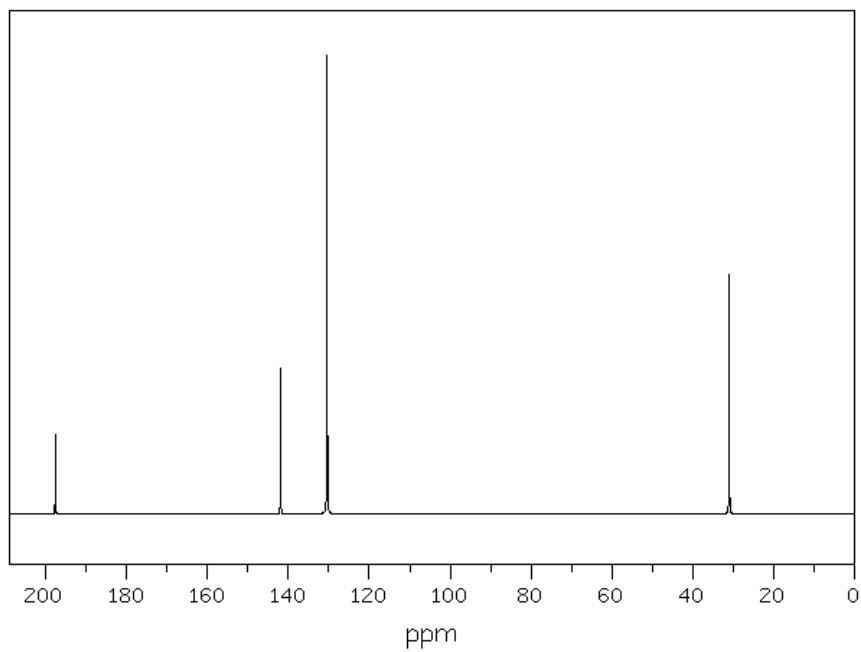
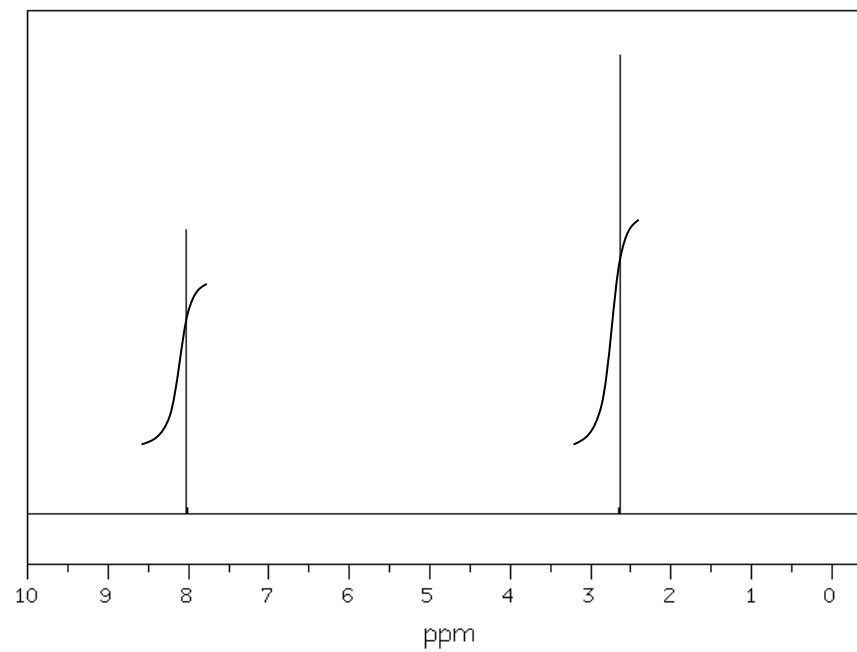


^{13}C NMR



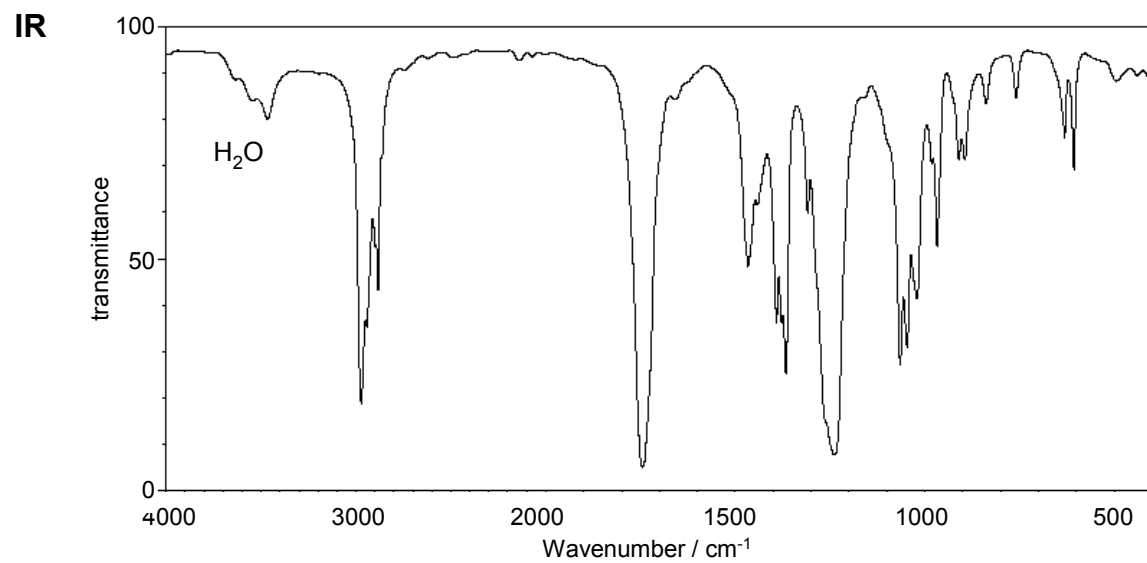
1H NMR



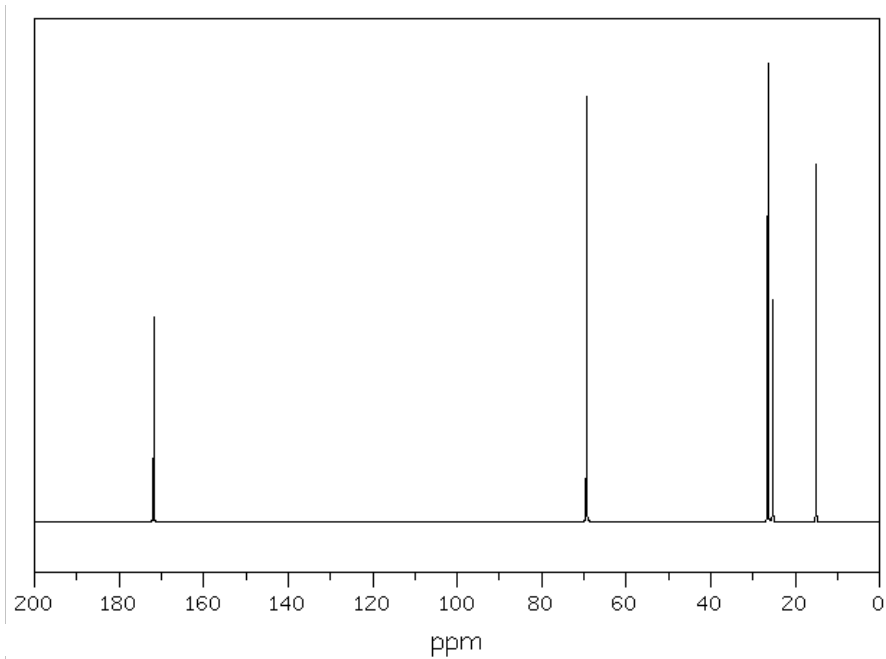
Empirical Formula: C_5H_5O Mass Spec: $M^+ m/e = 162$  ^{13}C NMR 1H NMR

Empirical Formula: $C_5H_{10}O_2$

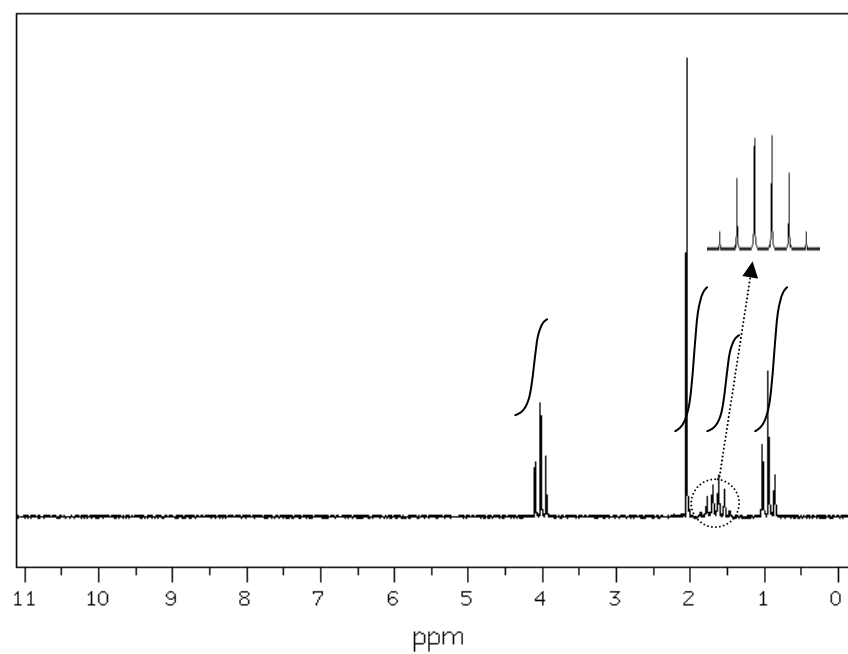
Mass Spec: $M^+ m/e = 102$



^{13}C NMR

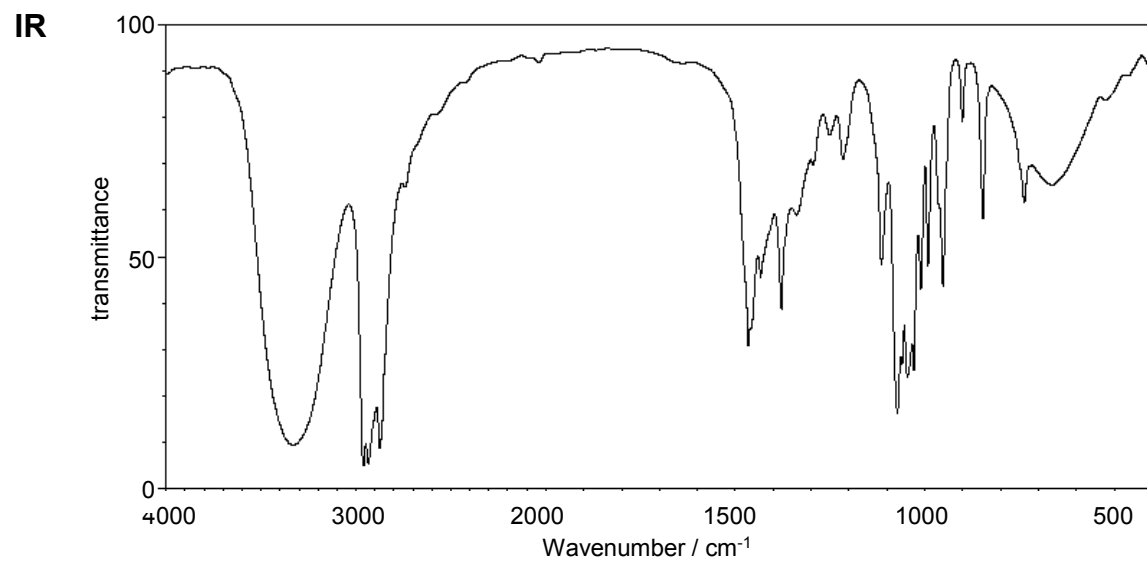


1H NMR

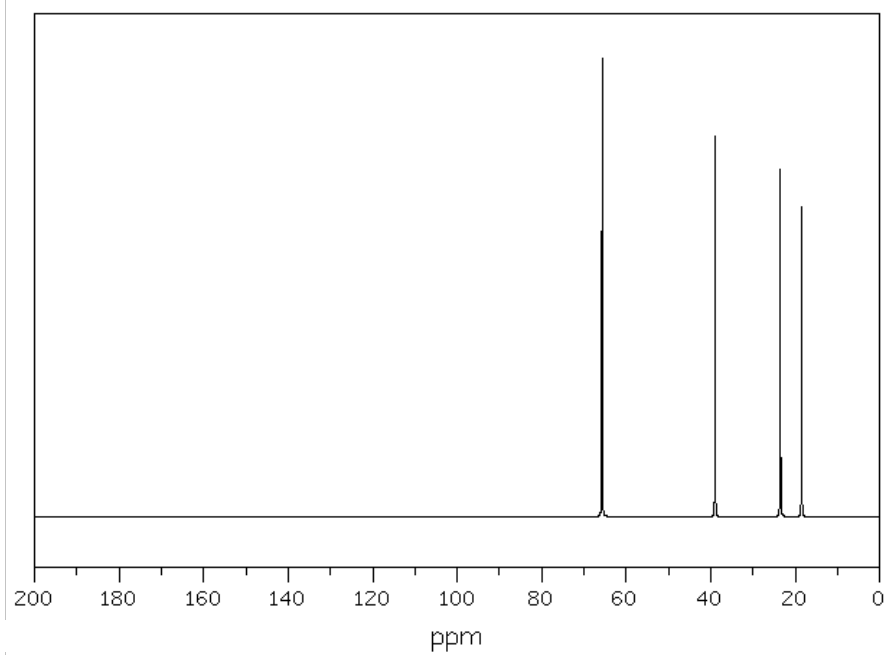


Empirical Formula: $C_4H_{10}O$

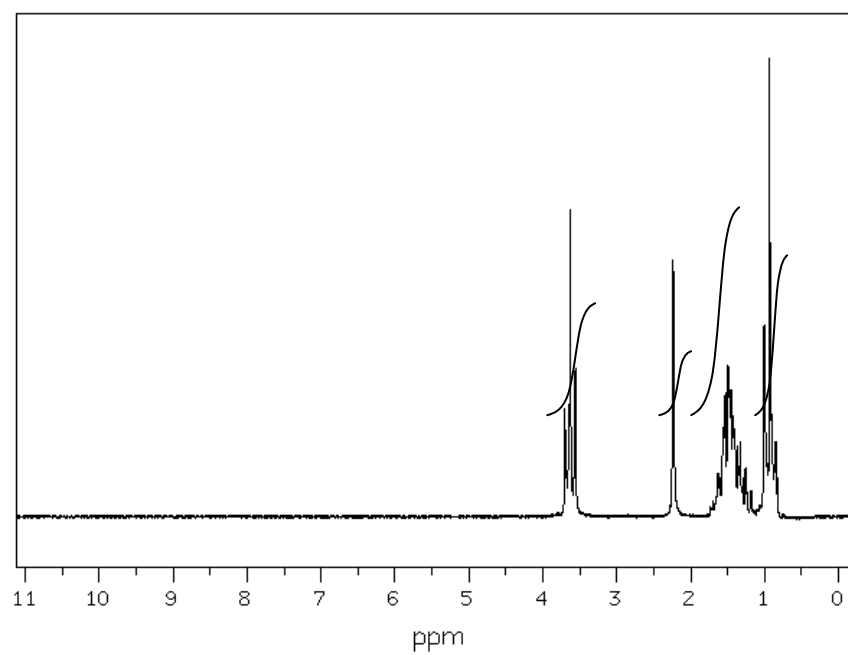
Mass Spec: $M^+ m/e = 74$

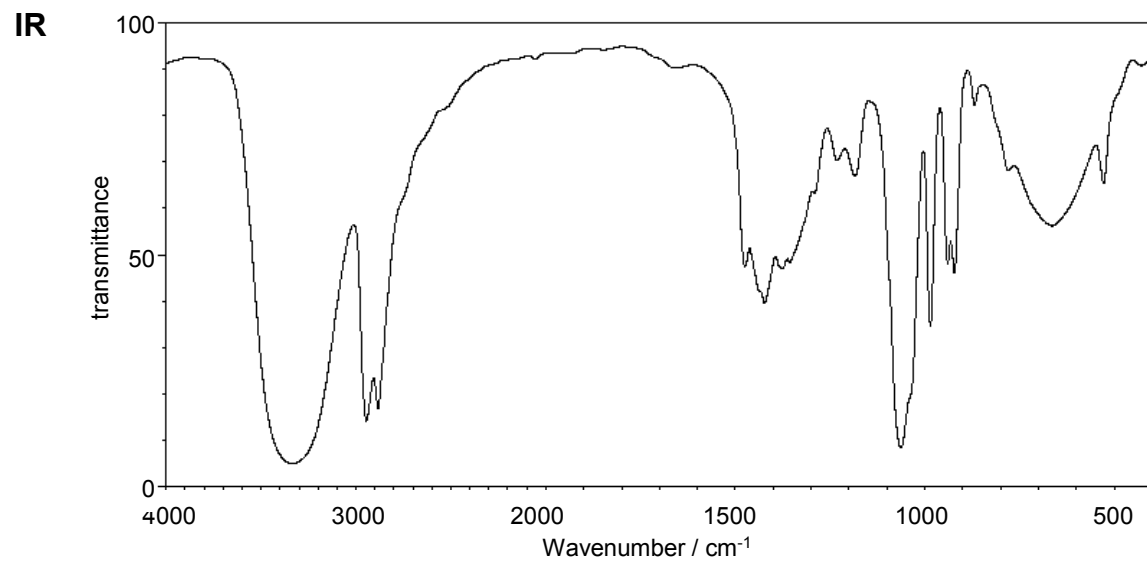
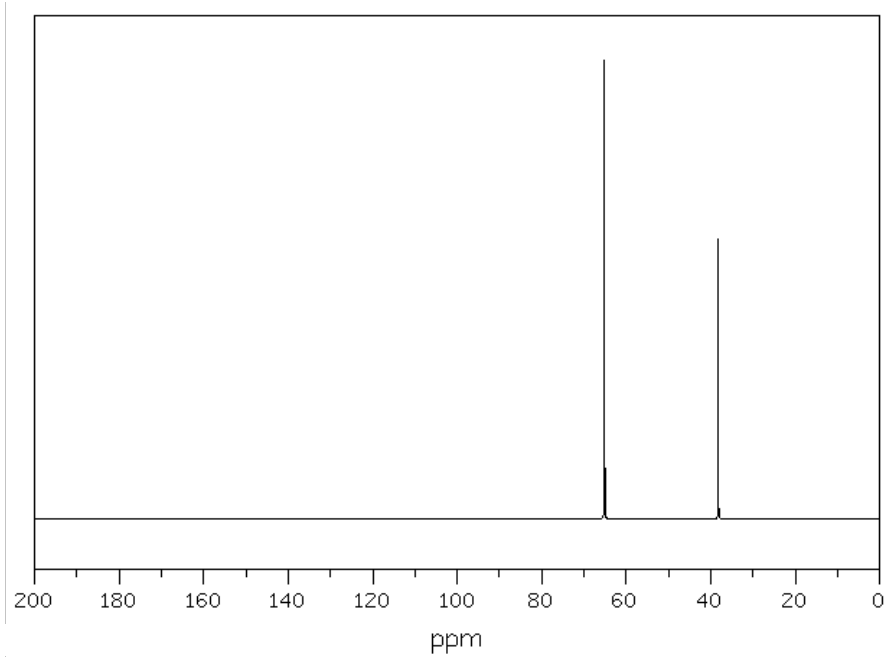
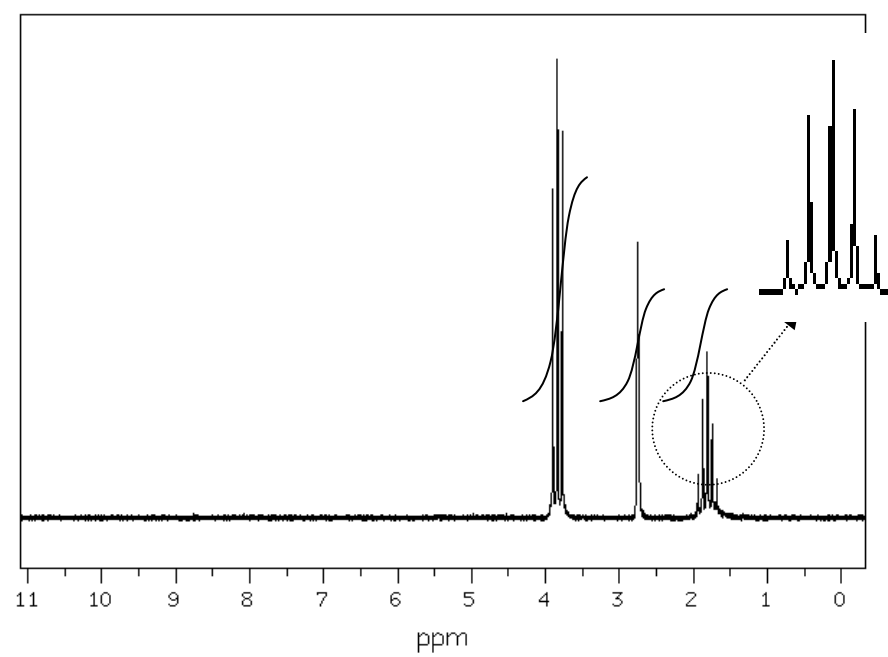


^{13}C NMR



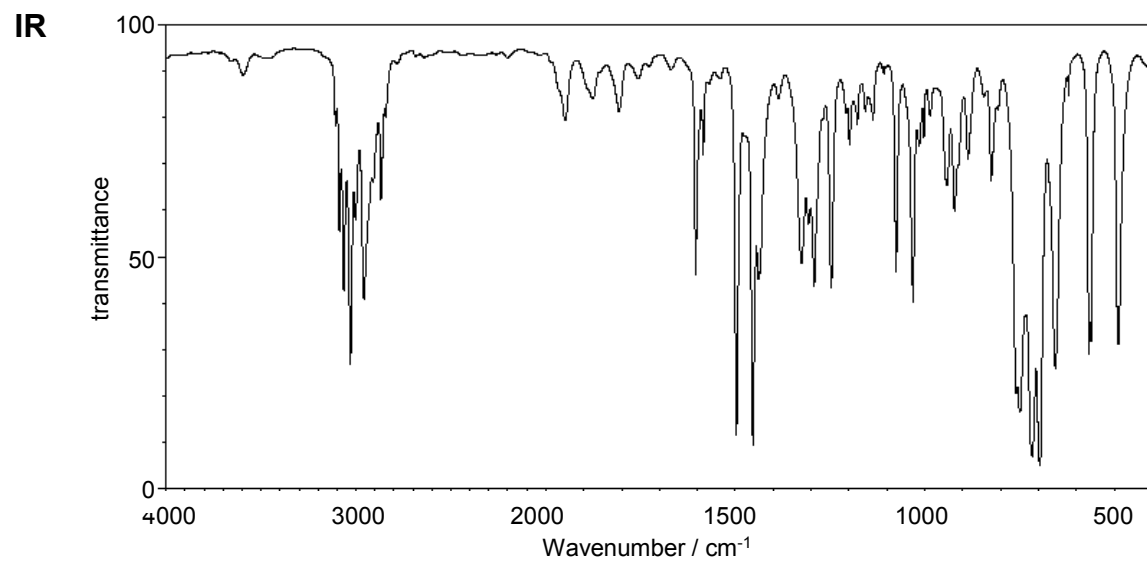
1H NMR



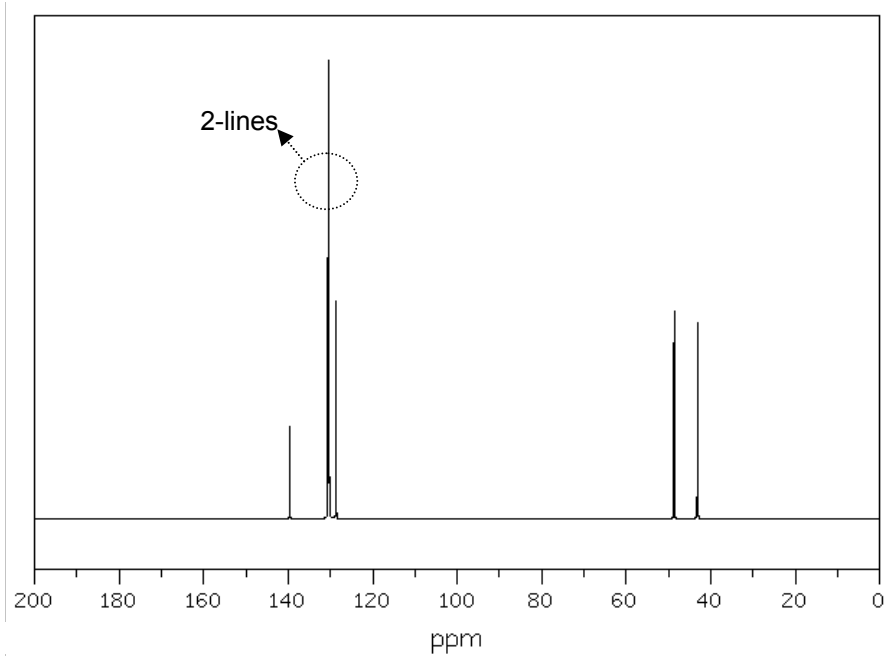
Empirical Formula: $C_3H_8O_2$ Mass Spec: $M^+ m/e = 76$  ^{13}C NMR 1H NMR

Empirical Formula: C_8H_9Cl

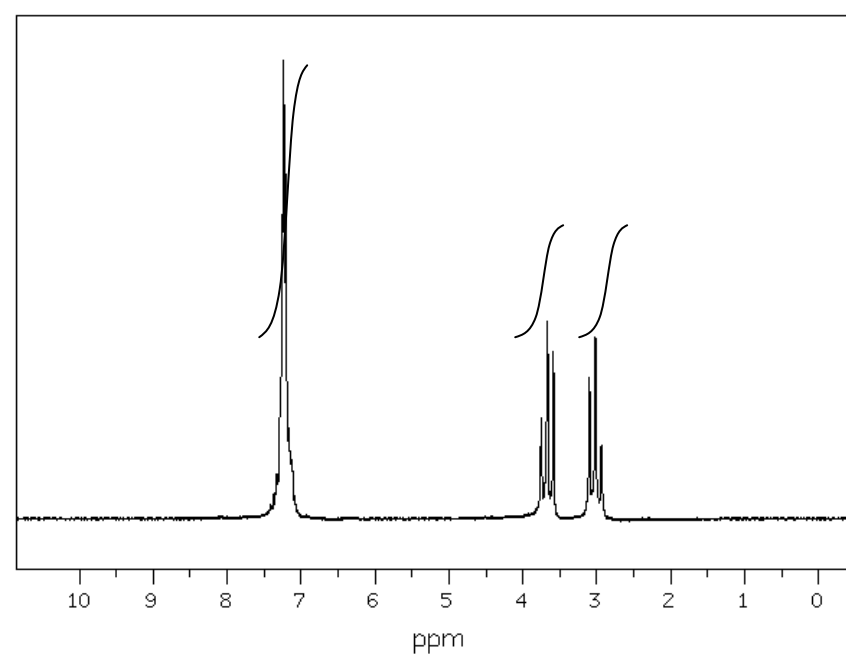
Mass Spec: M^+ $m/e = 140$ and 142 (3:1 ratio)

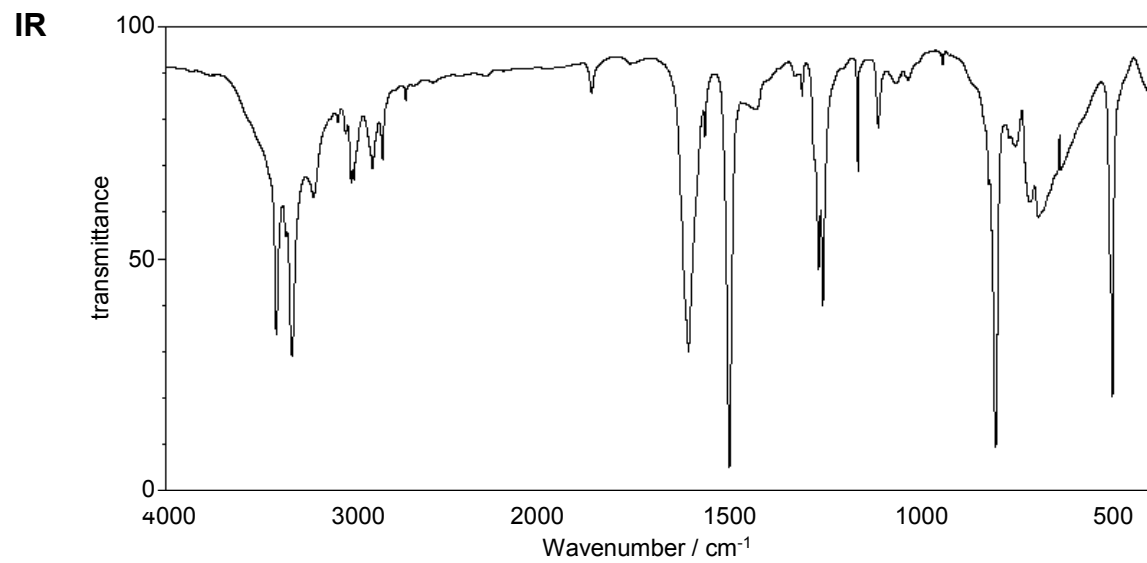
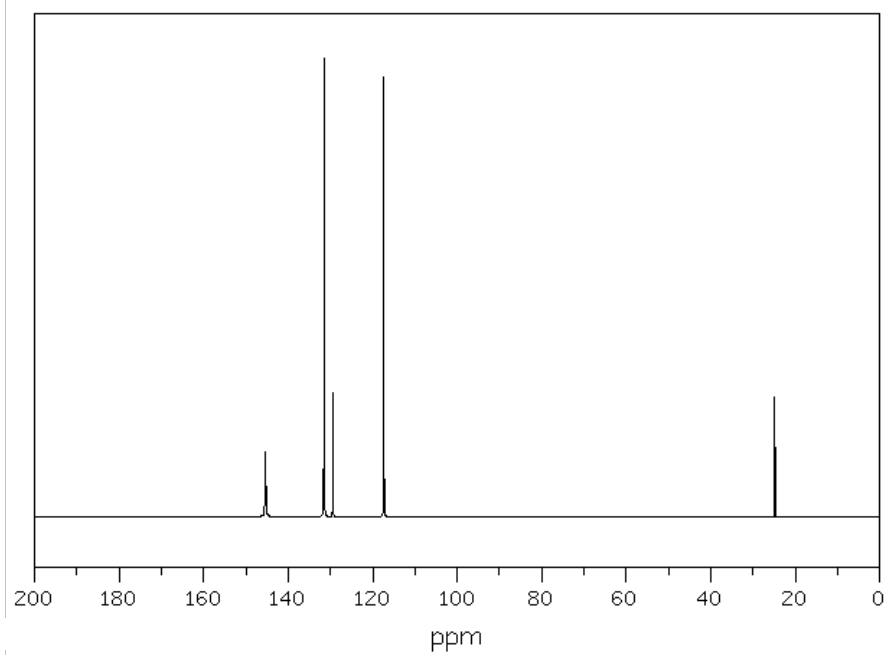
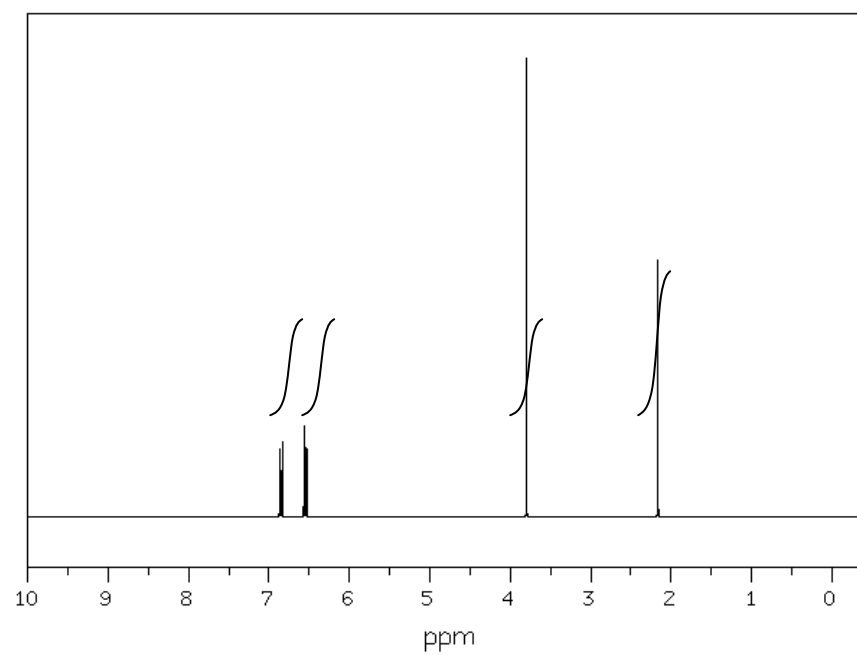


^{13}C NMR



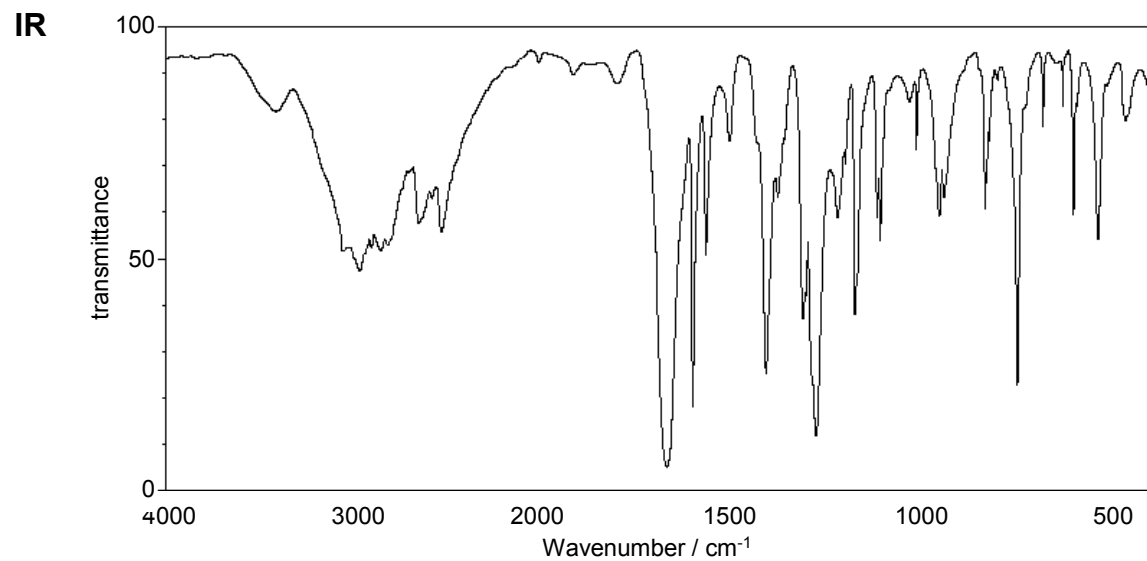
1H NMR



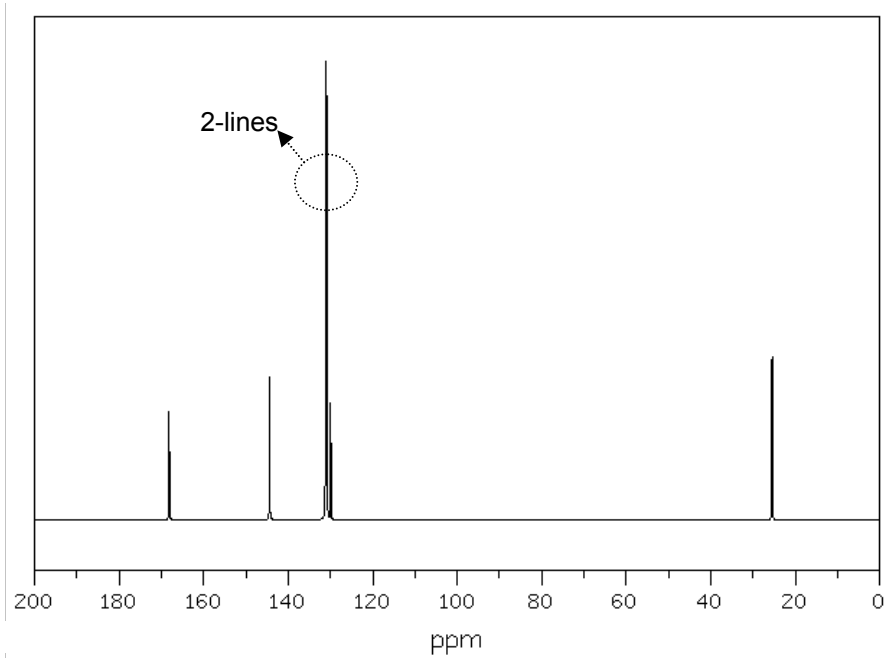
Empirical Formula: C_7H_9N Mass Spec: $M^+ m/e = 107$  ^{13}C NMR 1H NMR

Empirical Formula: C_4H_4O

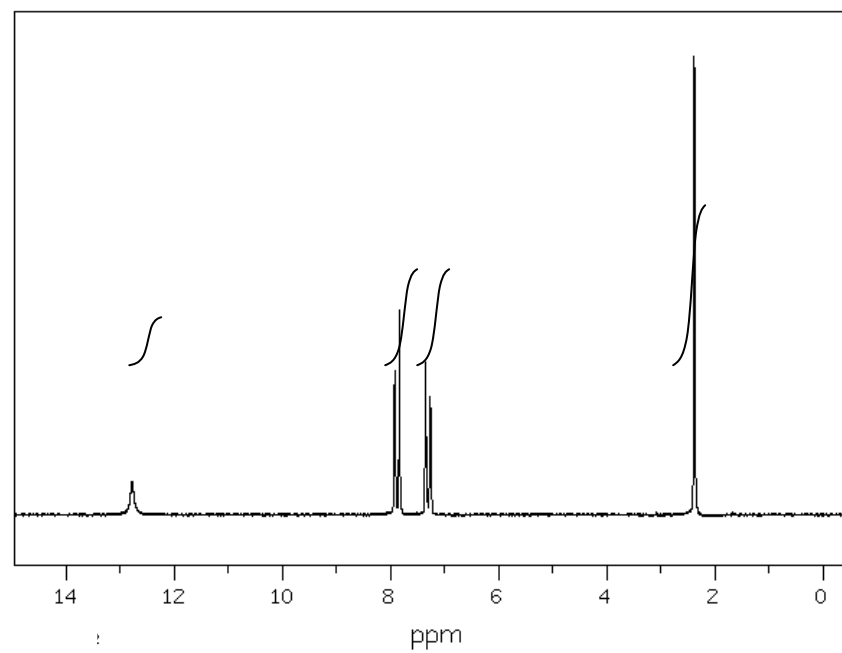
Mass Spec: $M^+ m/e = 136$



^{13}C NMR

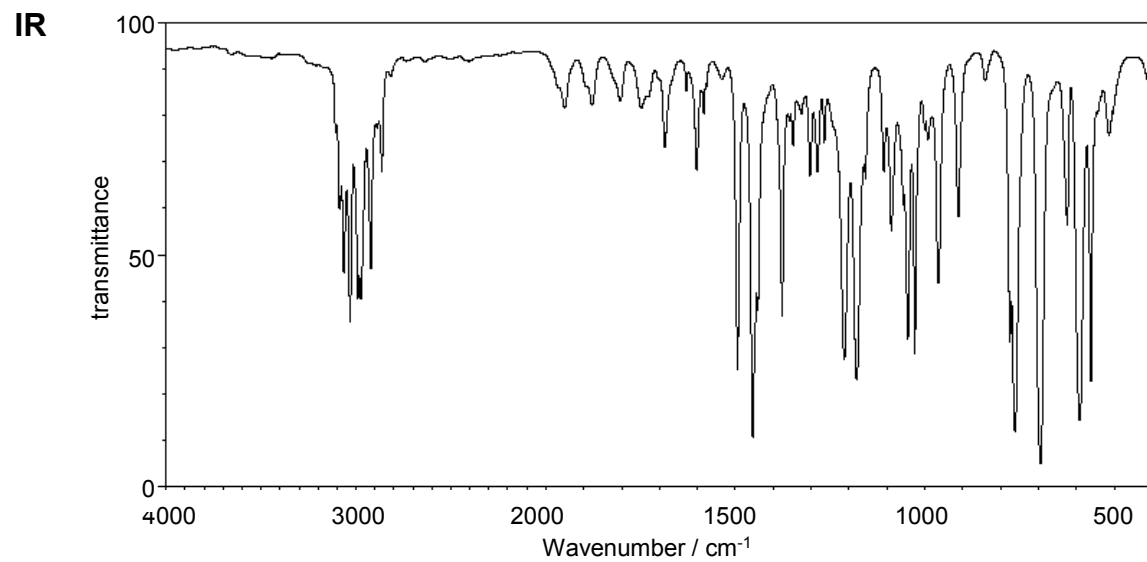


1H NMR

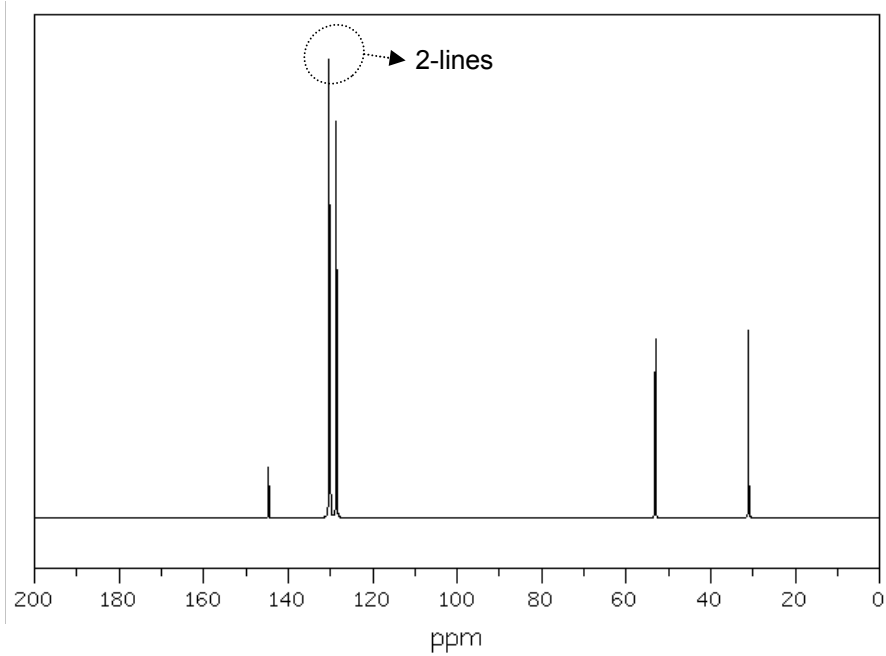


Empirical Formula: C_8H_9Br

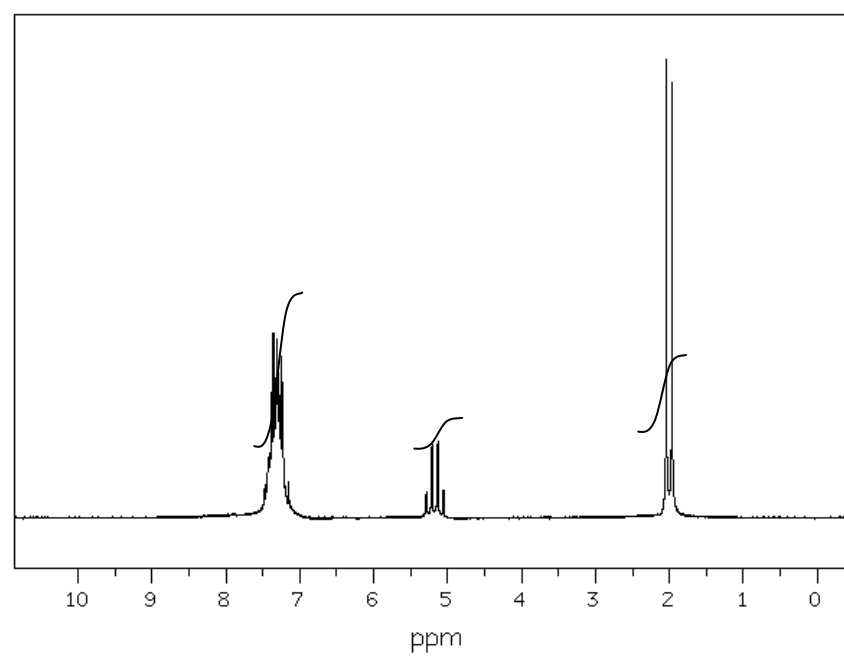
Mass Spec: M^+ $m/e = 184$ and 186 (1:1 ratio)



^{13}C NMR

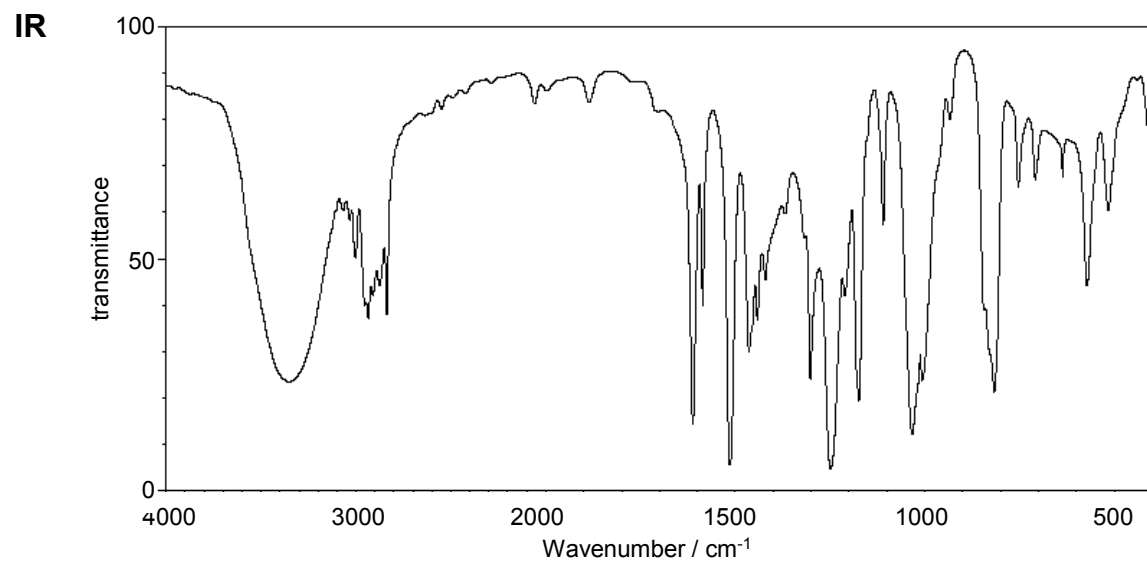


1H NMR

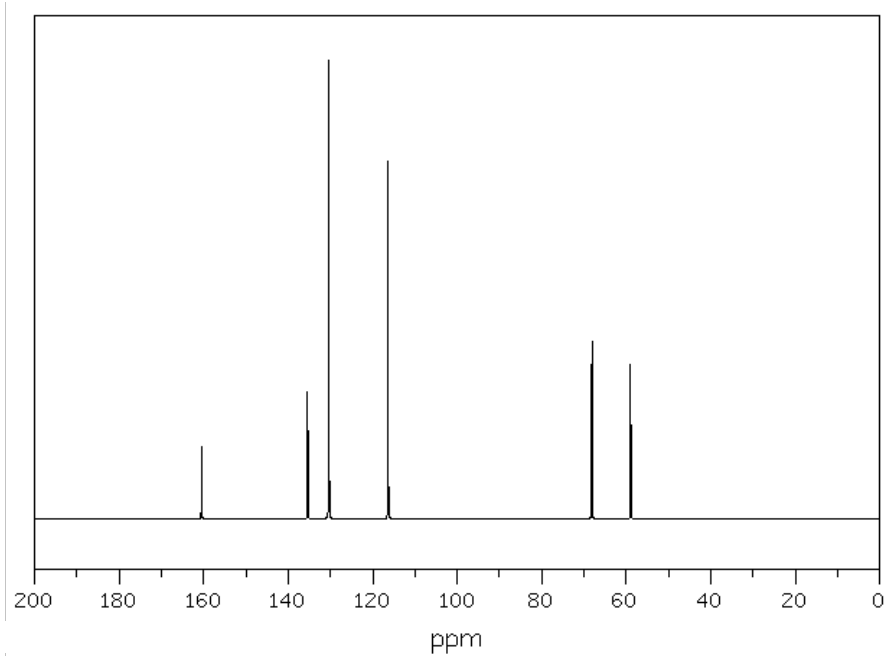


Empirical Formula: C_4H_5O

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



^{13}C NMR



1H NMR

