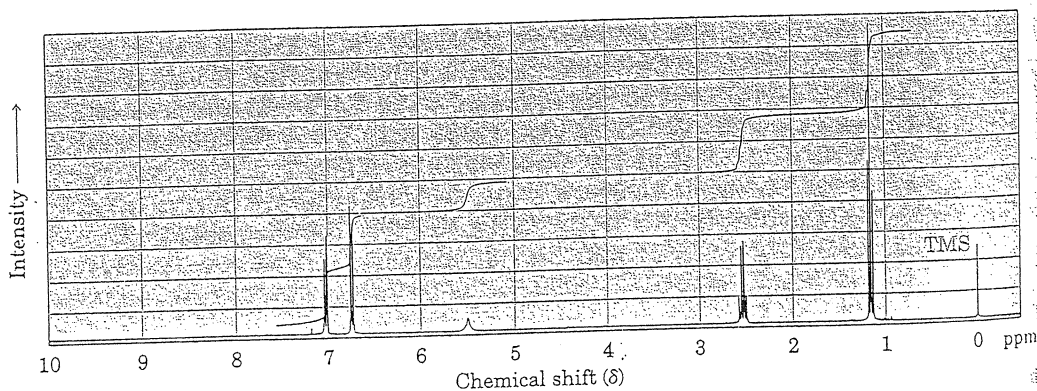
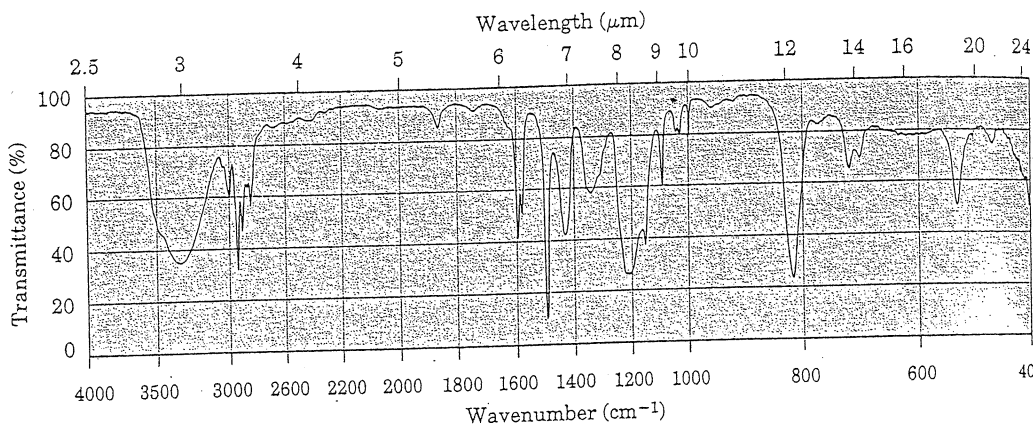


EXTRA CREDIT**-Pick either A or B. ANSWER ONLY ONE.****A.**

Compound A, $C_8H_{10}O$, has the IR and 1H NMR spectra shown. Propose a structure consistent with the observed spectra, and assign each peak in the NMR spectrum. Note that the absorption at 5.5δ disappears when D_2O is added.



B. Provide a structure for $C_5H_8Cl_2$ that is consistent with the following data:

- δ 1.4 /triplet /4 H
- δ 1.2 /triplet /4 H