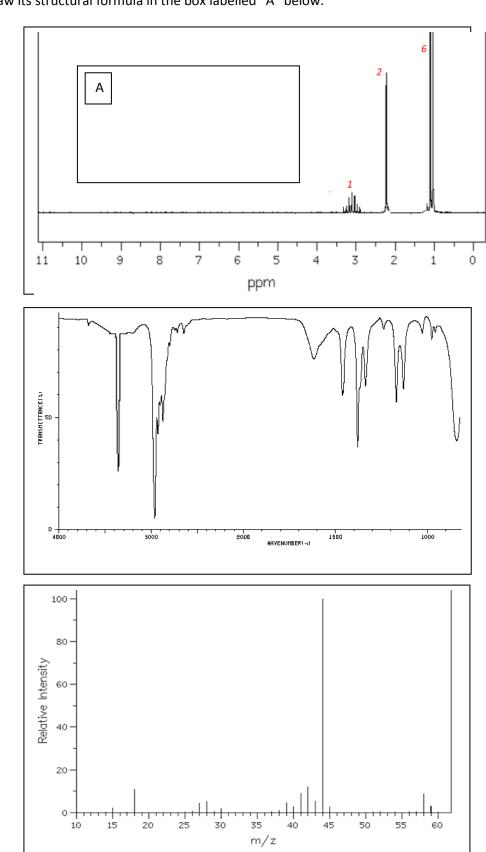
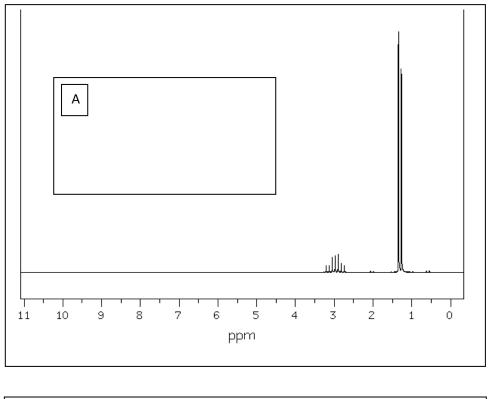
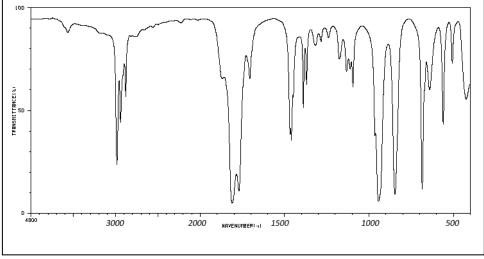
Friday Worksheet 3 Infared Radiation (IR)

Name:



 The ¹HNMR, IR and the MS of a compound with the *empirical* formula C₃H₉N are shown below. Draw its structural formula in the box labelled "A" below. 2) Below are the ¹HNMR and IR spectra of a molecule with the molecular formula C_4H_7CIO . Draw the structural formula of the compound in the box labelled "A" below.





3) Which of the following molecules cannot be identified through IR? Explain why. CH_3OH , CO_2 , Cl_2 , CH_4 and O_2 .