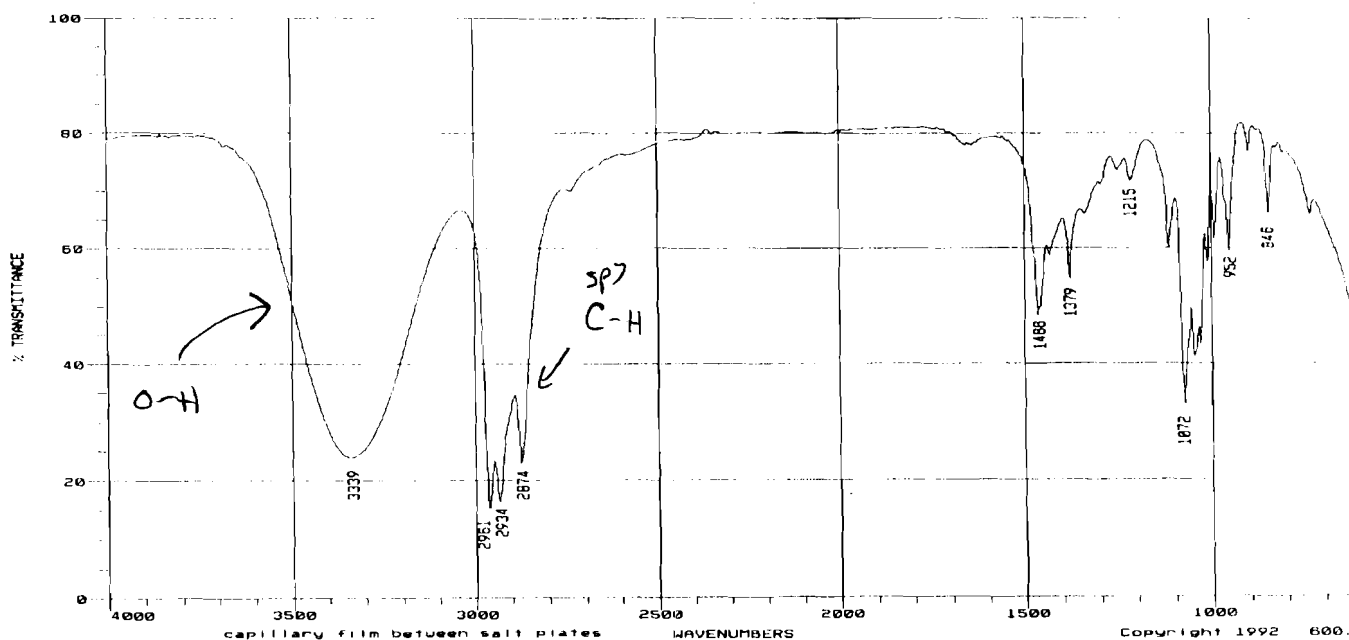
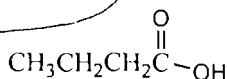
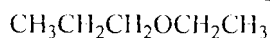
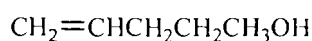
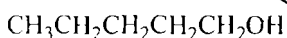
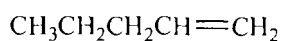


CHEM 242 IN-CLASS Assignment #1 (20 pts)

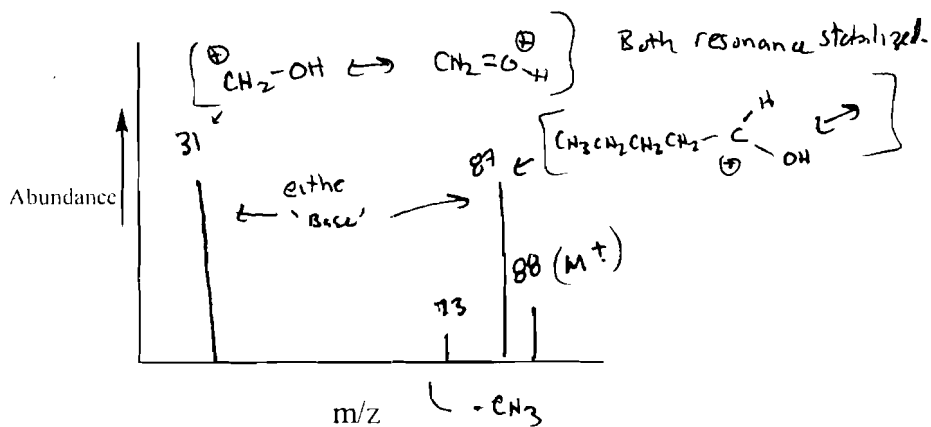
NAMES

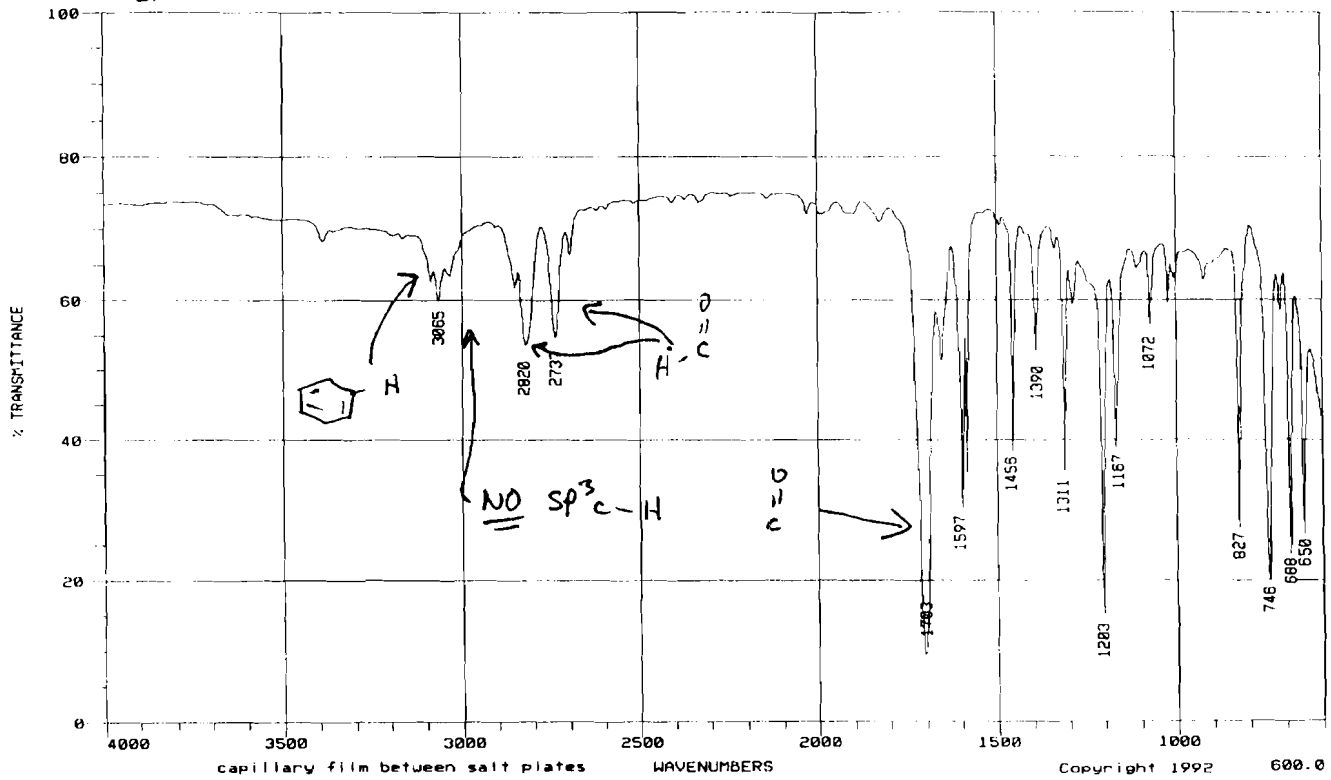
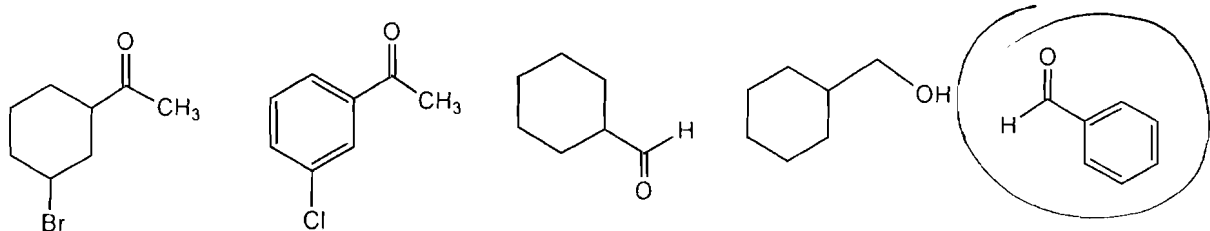
Pete Carroll

Above each spectra there are listed 5 compounds that it could be. Circle the compound which would best match the IR spectra. Use the tables in chapter 12 of your text or pg 851 of your lab text (PLKE).

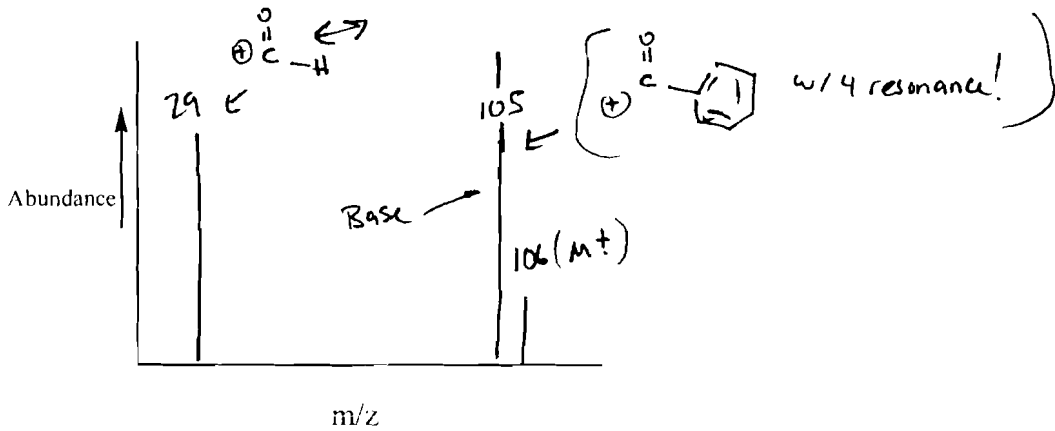


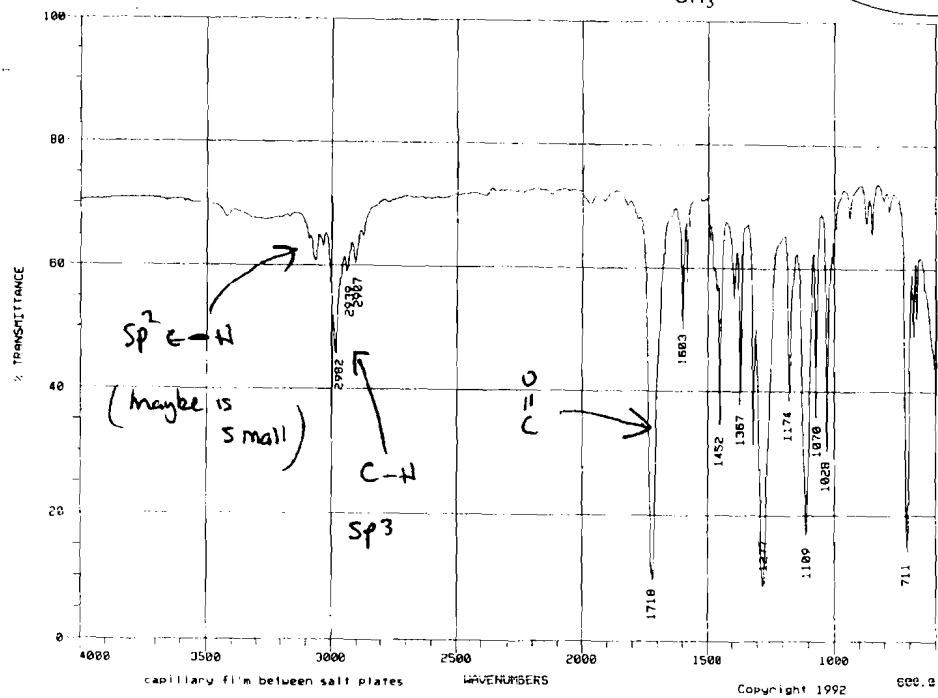
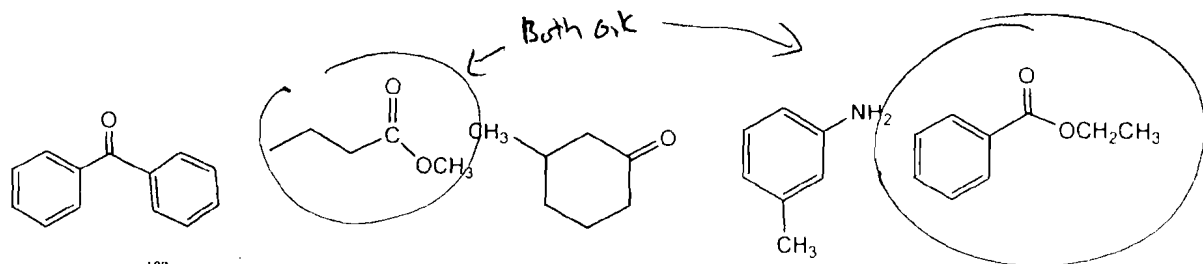
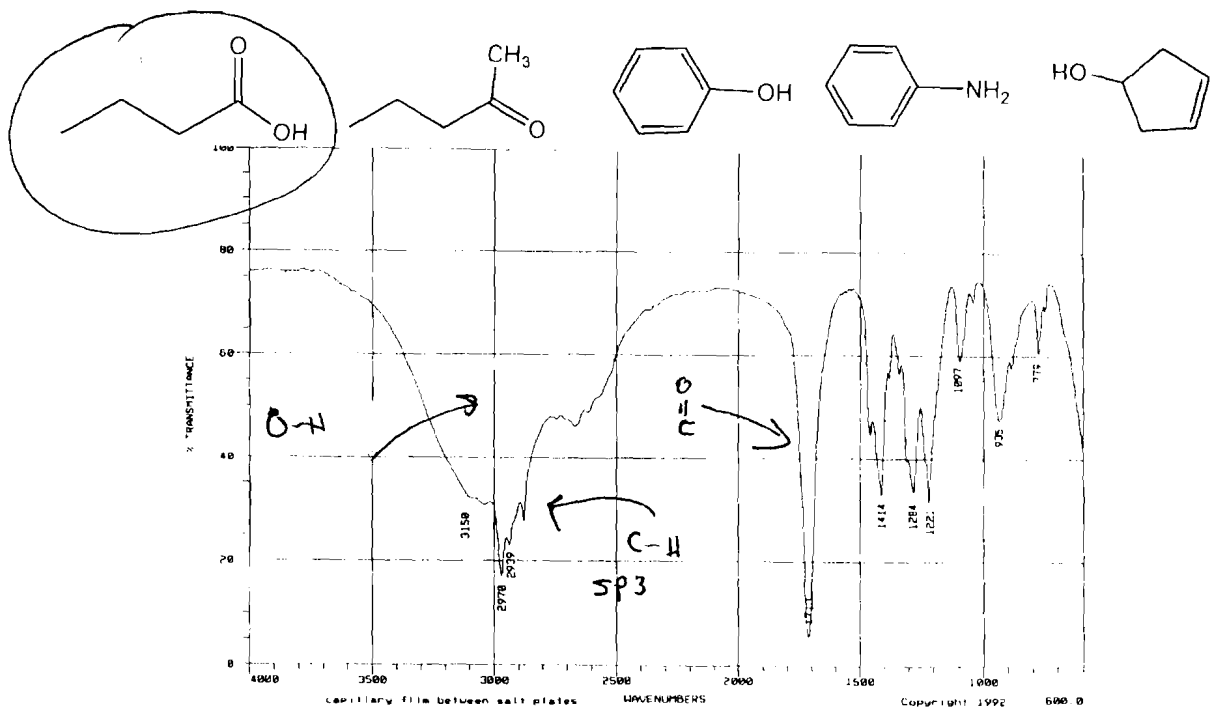
In the space below sketch the Mass Spectrum of the compound circled above. Show up to 3 possible fragments. Be sure to note which is the 'base peak; and which is the molecular ion (M⁺).

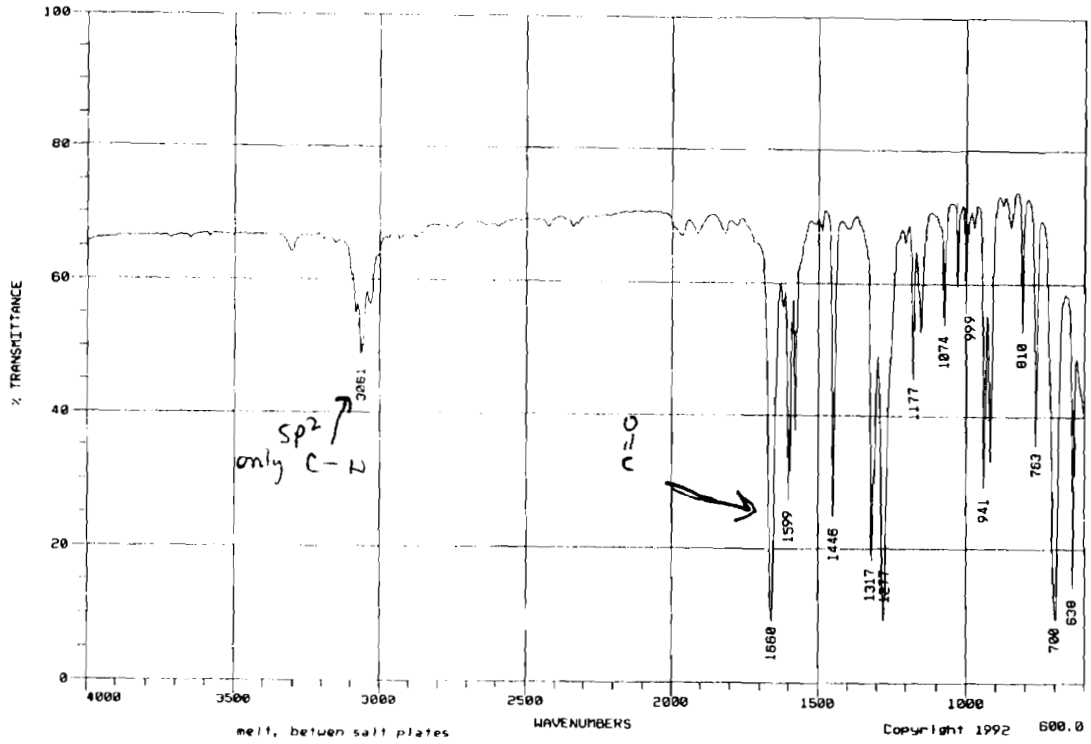
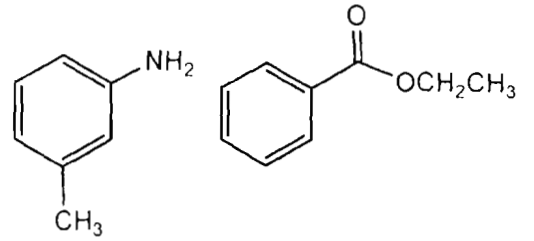
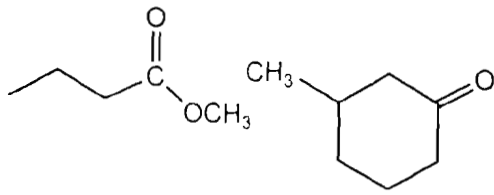
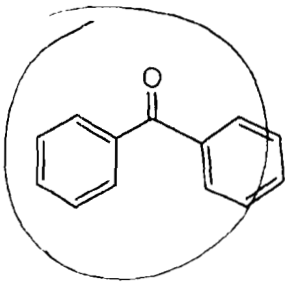


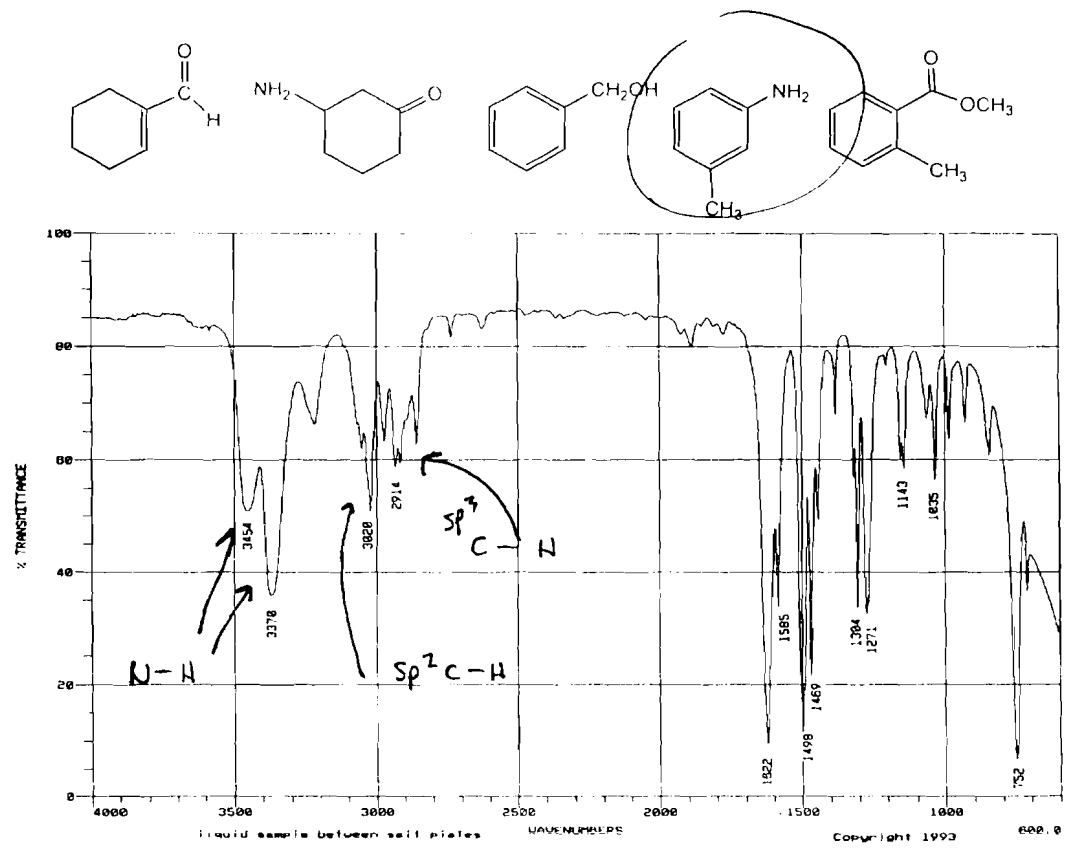
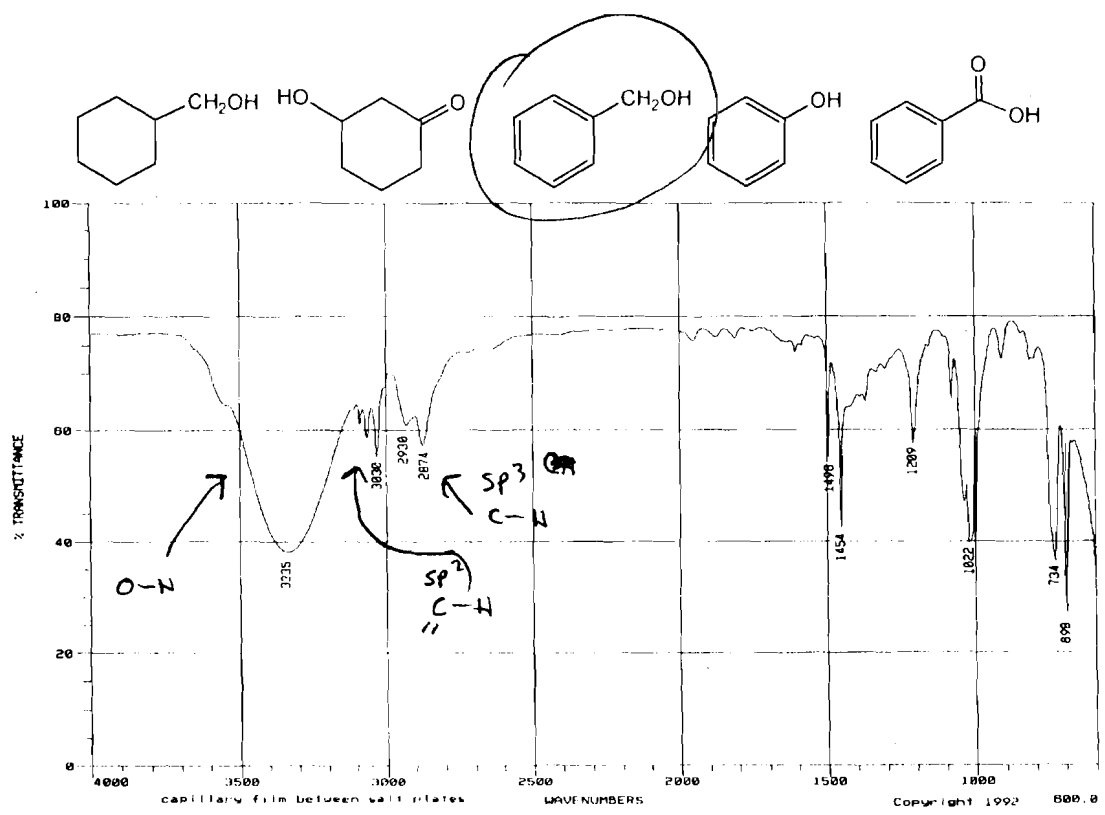


In the space below sketch the Mass Spectrum of the compound circled above. Show up to 3 possible fragments. Be sure to note which is the 'base peak; and which is the molecular ion (M⁺).









Circle one of the 5 compounds that would best match the IR and Mass spectra below.

