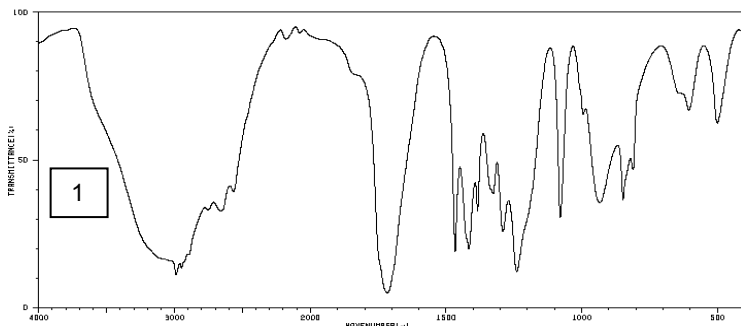




IR PROBLEMS 2

The IR spectra of five compounds are shown. Next to its IR spectrum, draw the structure of the compound and identify by wavenumber and bond the key signals that helped you identify that compound.

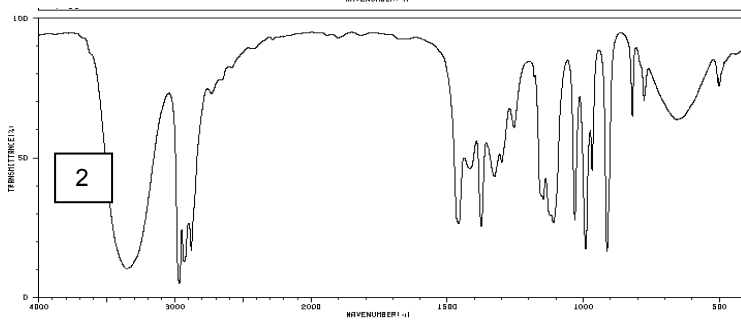
propanoic acid, butanone, 2-methylbut-2-ene, 1-hydroxypropanone, butan-2-ol



Compound

Bond & range (cm⁻¹)

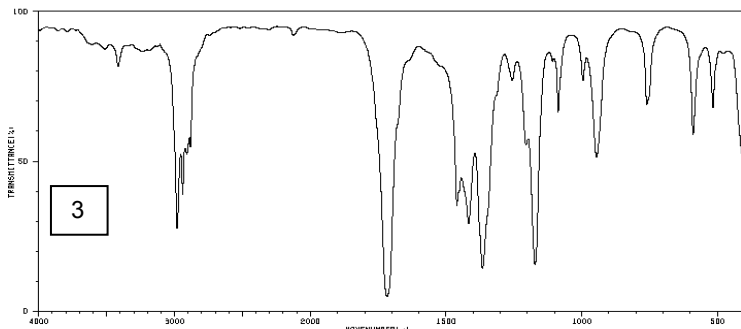
Bond & range (cm⁻¹)



Compound

Bond & range (cm⁻¹)

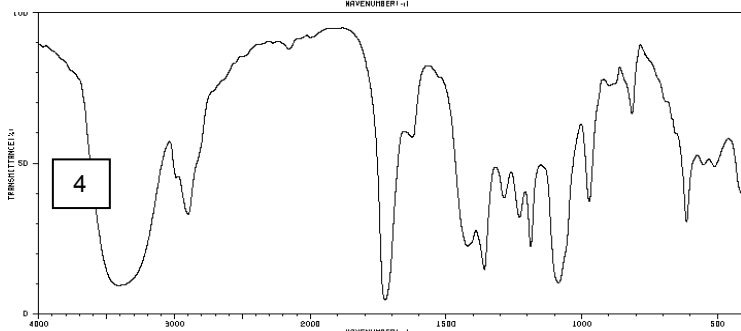
Bond & range (cm⁻¹)



Compound

Bond & range (cm⁻¹)

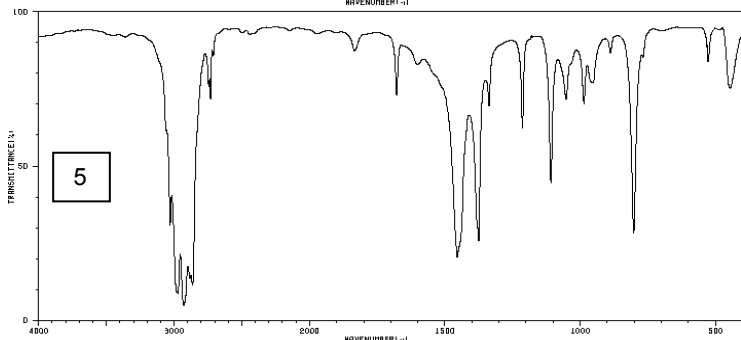
Bond & range (cm⁻¹)



Compound

Bond & range (cm⁻¹)

Bond & range (cm⁻¹)



Compound

Bond & range (cm⁻¹)

Bond & range (cm⁻¹)