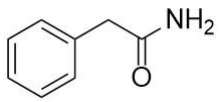
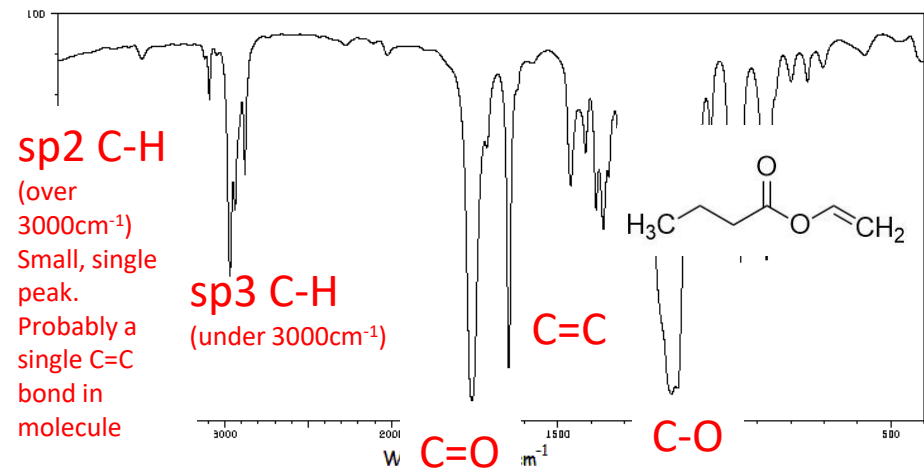


C-H peaks are obscured, but there is enough information to conclude this must be an amide

C=O



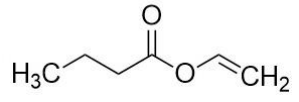
NH₂
(This broad "W" shape is characteristic of an NH₂)



sp² C-H
(over 3000cm⁻¹)
Small, single peak.
Probably a single C=C bond in molecule

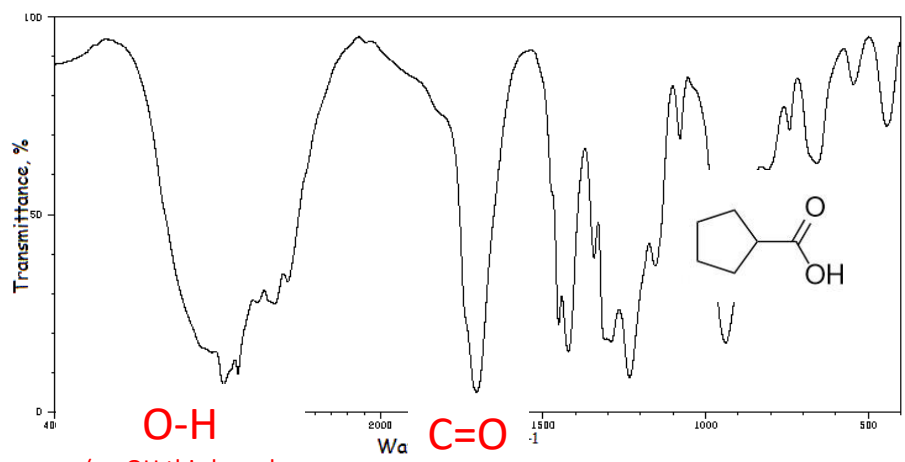
sp³ C-H
(under 3000cm⁻¹)

C=C



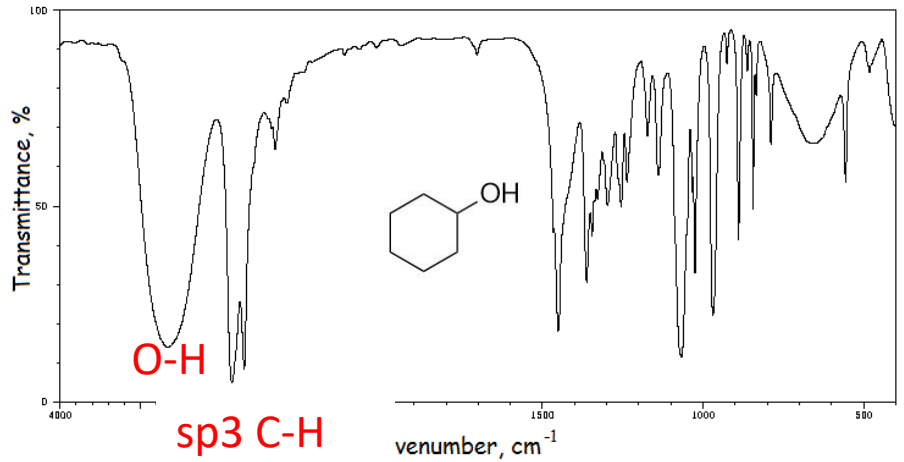
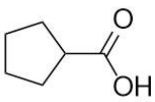
C=O

C-O



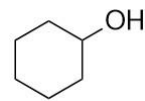
O-H
(an OH this broad and overlapping with C-H is characteristic of a carboxylic acid)

C=O



O-H

sp³ C-H
(under 3000cm⁻¹)



Wavenumber, cm⁻¹