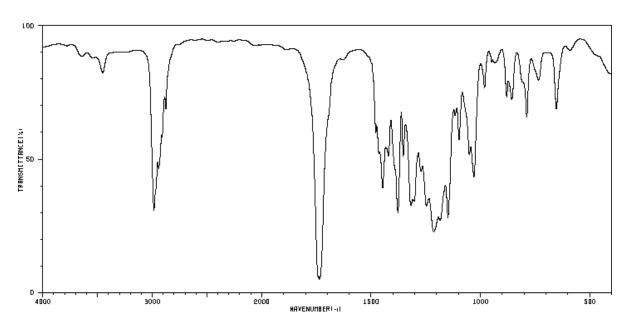
CHM 202-01	Name
Take-home question for Exam II	
Due at 12:00 noon on February 28, 2014	

You are to work individually – no collaboration with peers. You *may not* use the internet for any reason. You may use your text only (although I don't think you will need it).

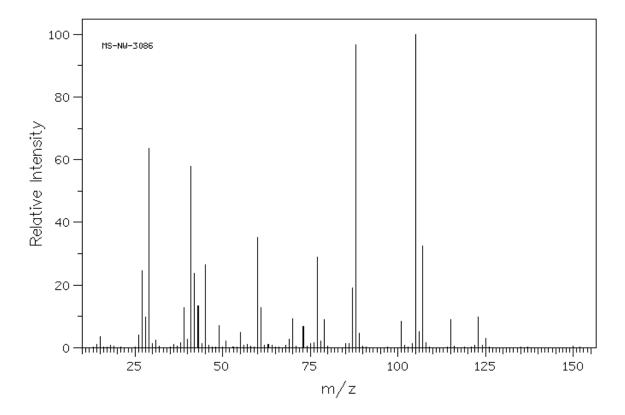
Your signature below states that you have abided by the above guidelines.

8.(15) Identify (draw the structure) the compound that gives rise to the following **IR**, **mass**, and ¹**H NMR** spectra. Show all of your thought processes. The ¹H NMR spectrum shows 3 different triplets, a quartet and a quintet (not in that order).

IR:

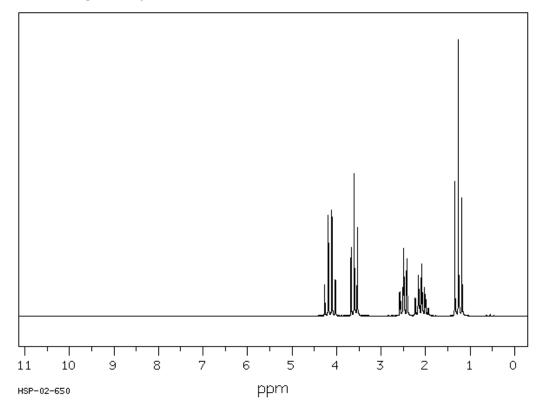


Mass: m⁺ = 150; m+2 = 152



8.(continued)

1H NMR: Integration upfield to downfield is 3:2:2:2:2



¹³C NMR:

