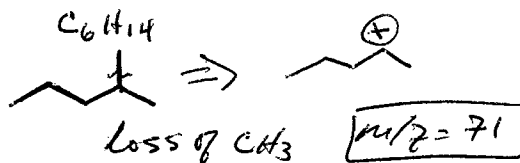
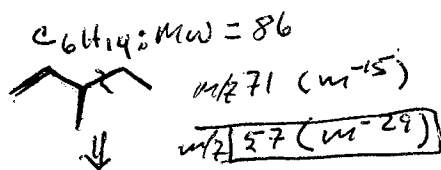


Organic Chemistry 2342-Quiz 4

1. In the mass spectrum of the following compounds, which would be more intense- the peak at $m/z = 57$ or the peak at $m/z = 71$?

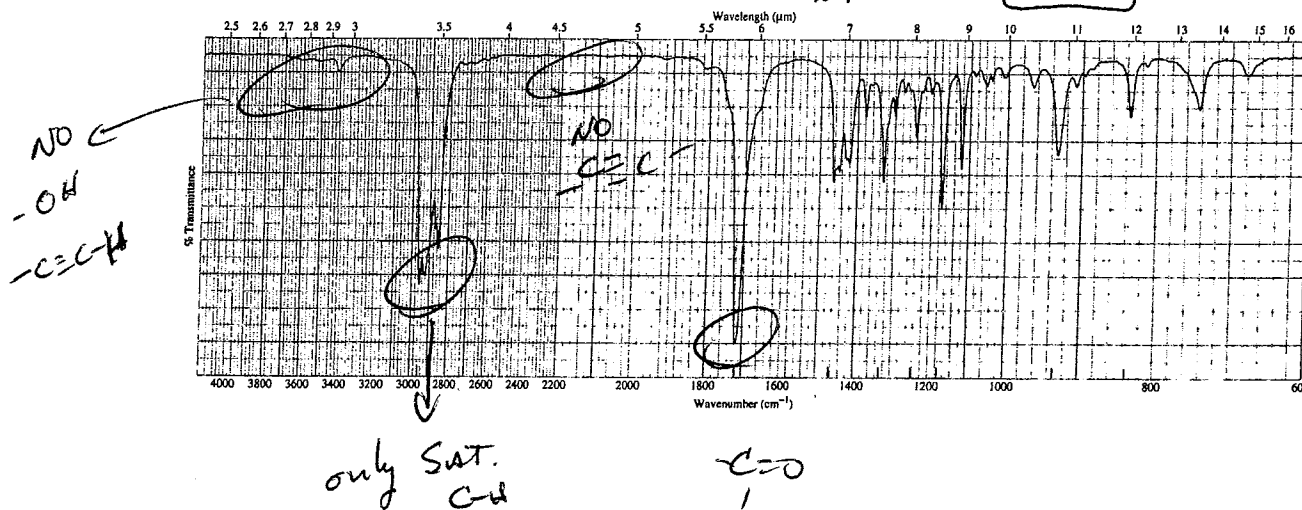
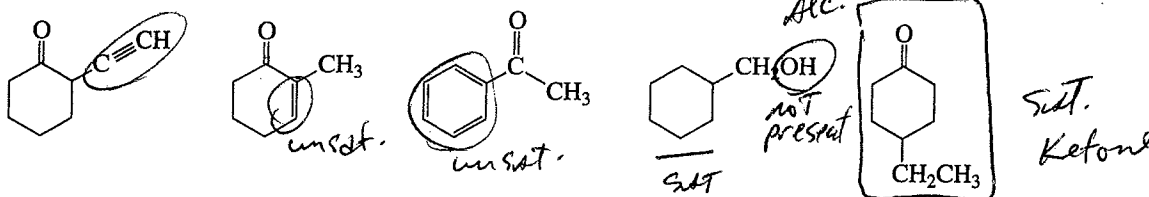
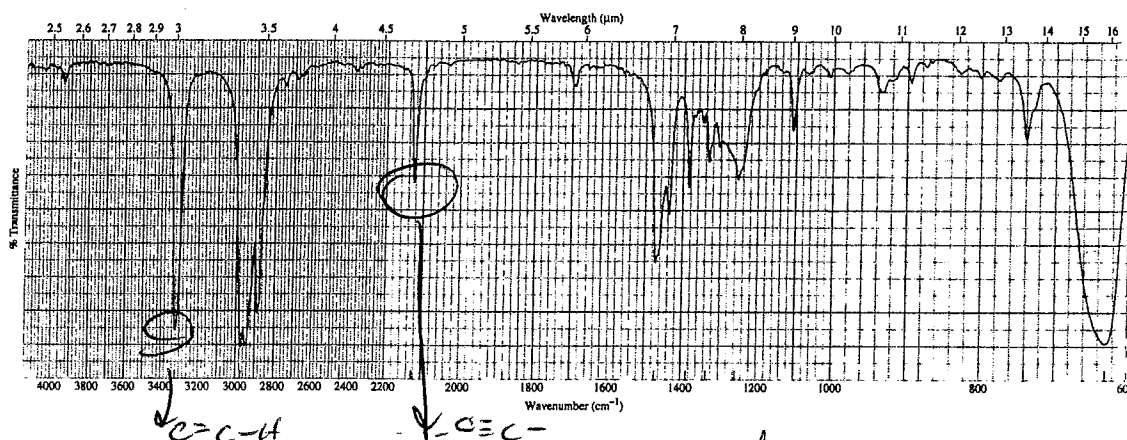
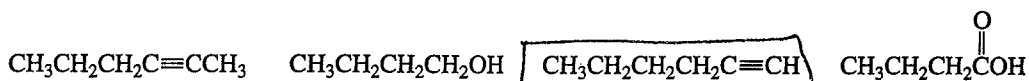
a) 3-methylpentane

b) 2-methylpentane



$\text{log } S$ of ethyl^+

2. Indicate which of the four compounds from each set shown is responsible for the spectrum shown below each set.



3. Provide the molecular weight, the mass of the base peak and the molecular formula derived from the following mass spectrum. You do not need to provide a structure.

