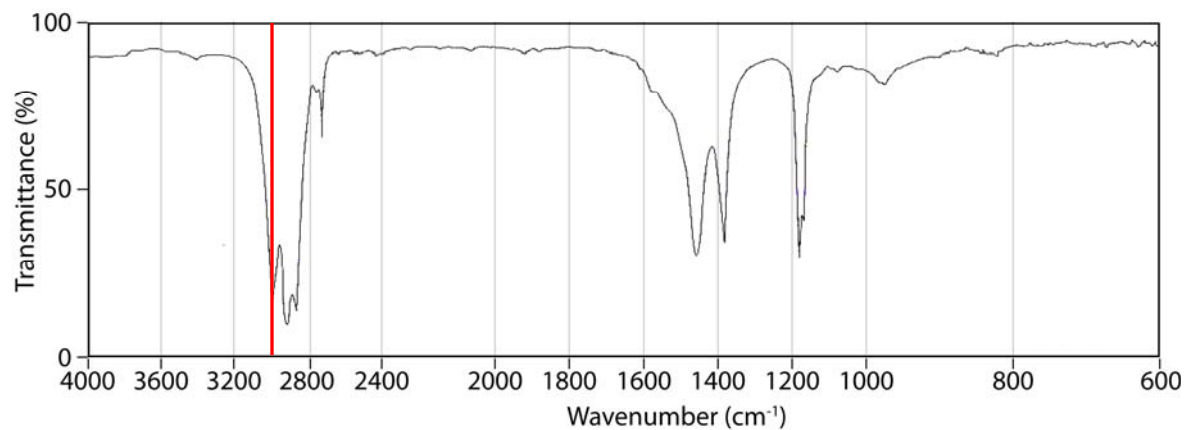
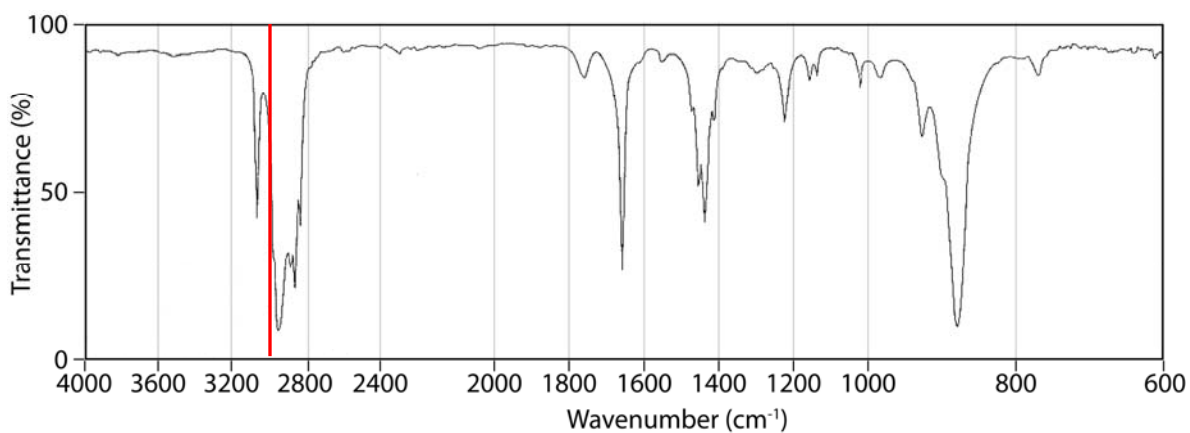
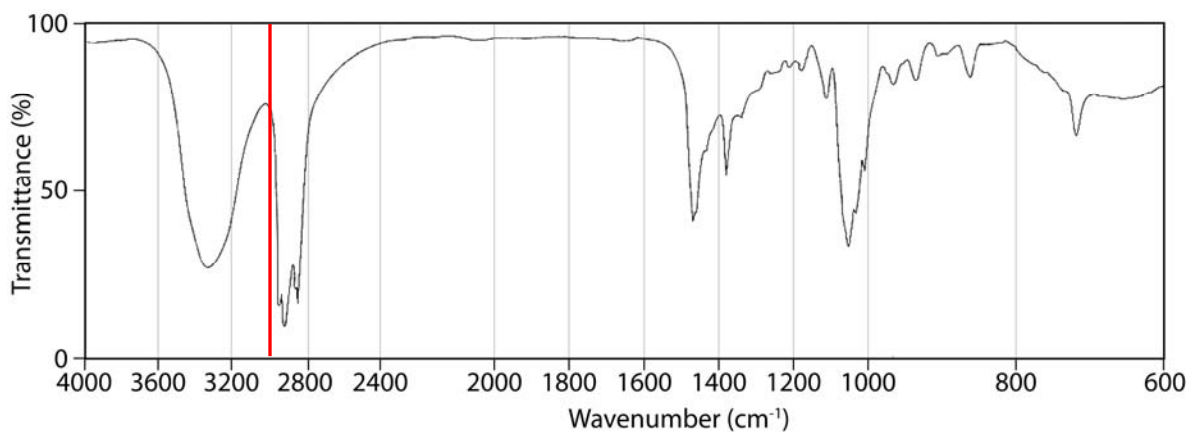
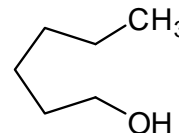
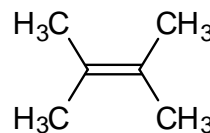
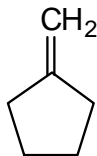
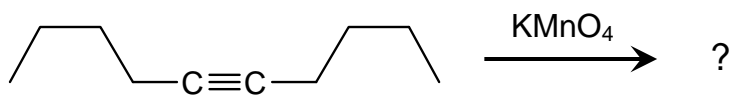


**In-Class Exercise:
Interpreting IR Spectra**

1. Match each of the IR spectra on this page to one of these three molecules:



2. The reaction shown below was performed under conditions that weren't monitored—meaning that it wasn't clear whether the reaction was cold or hot, or acidic, basic or neutral.



The product of the reaction was analyzed by IR spectroscopy, and the product IR is shown below. What is the product?

