

IR Assignment Summer 2004

Name of Student:

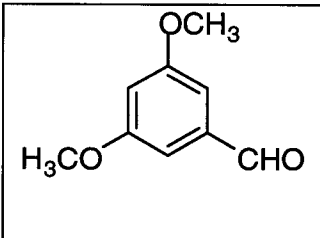
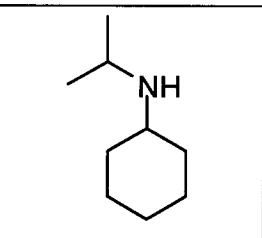
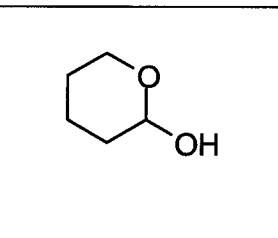
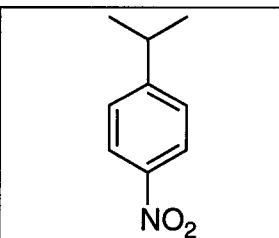

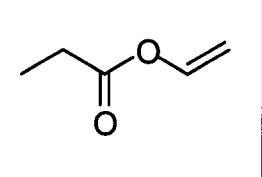
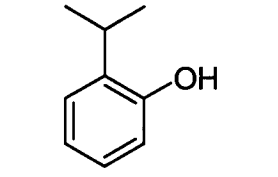
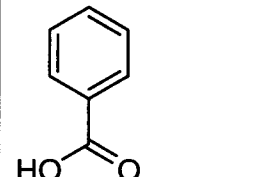
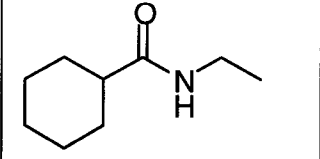
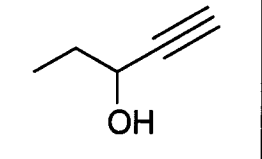
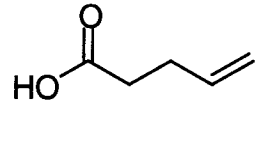
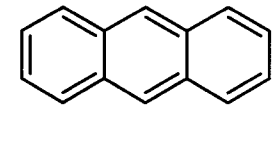
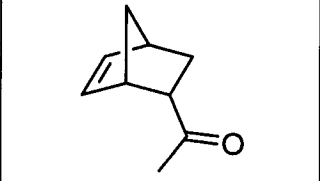
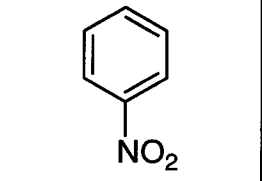
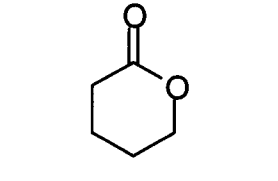
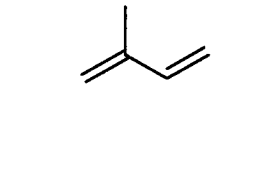
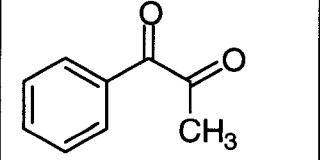
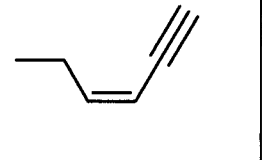
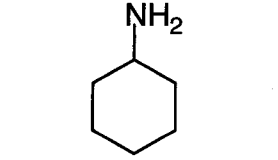
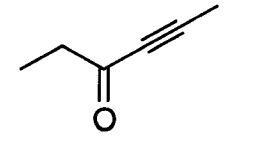
Score:

Student ID:

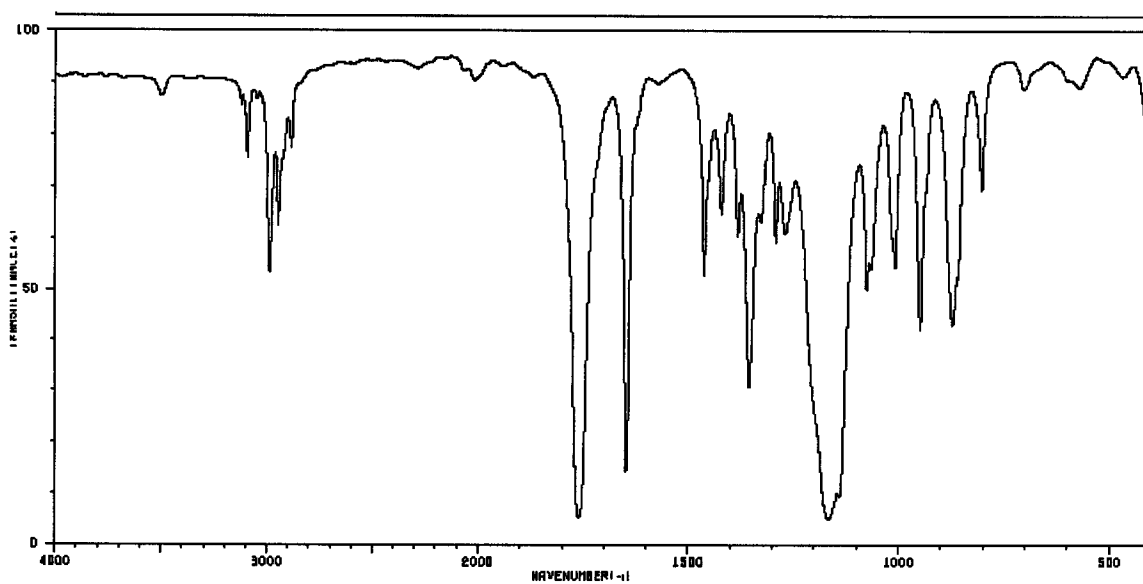
Name of TA:

Identify the following spectra. Full credit is only given if the pertinent peaks are assigned. Print out the entire assignment and turn in the entire package. Label the peaks on the spectrum and place the structure of the compound (from the table below, no numbering scheme) in the lower left hand corner of the spectrum. Leave the pages in order and do not print them out double-sided. Staple the assignment on the upper left corner. Make sure to place your name, your section and your TA's name on the cover page of your assignment. If do not follow directions, points will be taken off. Good luck! :-)

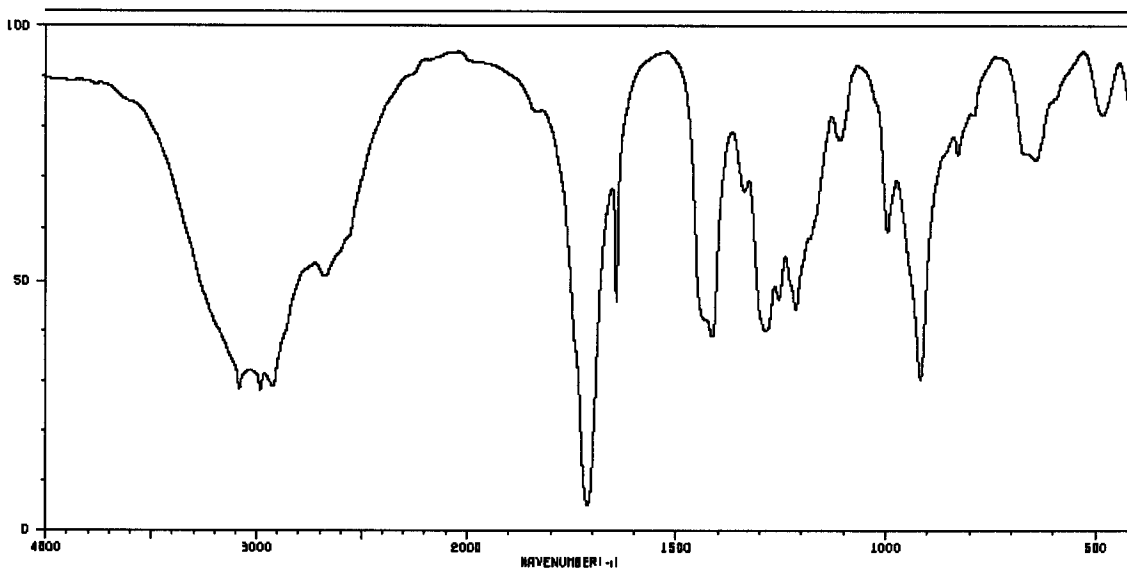
The assignment is due on July 18, 2004 at 5:00 pm at YH 1217. No late assignments will be honored.

 <chem>COc1cc(OC)cc(C=O)c1</chem>	 <chem>CC(C)N1CCCCC1</chem>	 <chem>O=C1CCCCC1</chem>	 <chem>CC1=CC=C(C=C1)[N+](=O)[O-]</chem>
 <chem>C12CCC(CC1)C2</chem>	 <chem>CCCOC=C</chem>	 <chem>CC(C)c1ccccc1O</chem>	 <chem>OC(=O)c1ccccc1</chem>
 <chem>CCNC(=O)C1CCCCC1</chem>	 <chem>CCC(O)C#C</chem>	 <chem>CCC=CC(=O)O</chem>	 <chem>c1ccc2cc3ccccc3cc2c1</chem>
 <chem>CC(=O)C12CCC(CC1)C2</chem>	 <chem>O=[N+]([O-])c1ccccc1</chem>	 <chem>O=C1CCCCC1</chem>	 <chem>CC(C)=CC</chem>
 <chem>CC(=O)C(=O)c1ccccc1</chem>	 <chem>CCC=CC</chem>	 <chem>NC1CCCCC1</chem>	 <chem>CCC(=O)C#C</chem>

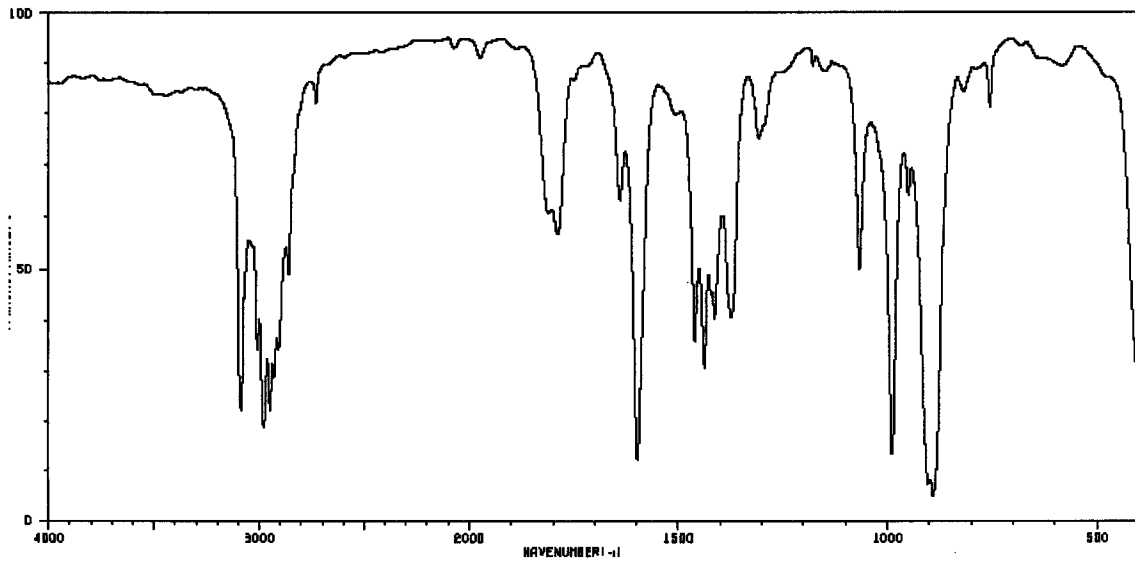
Spectrum 1:



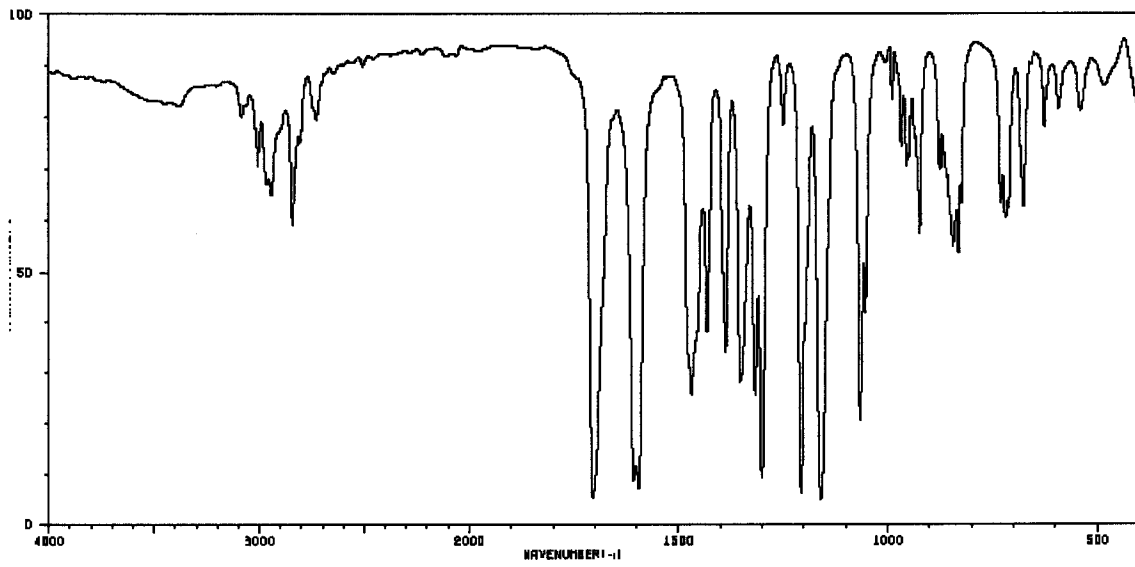
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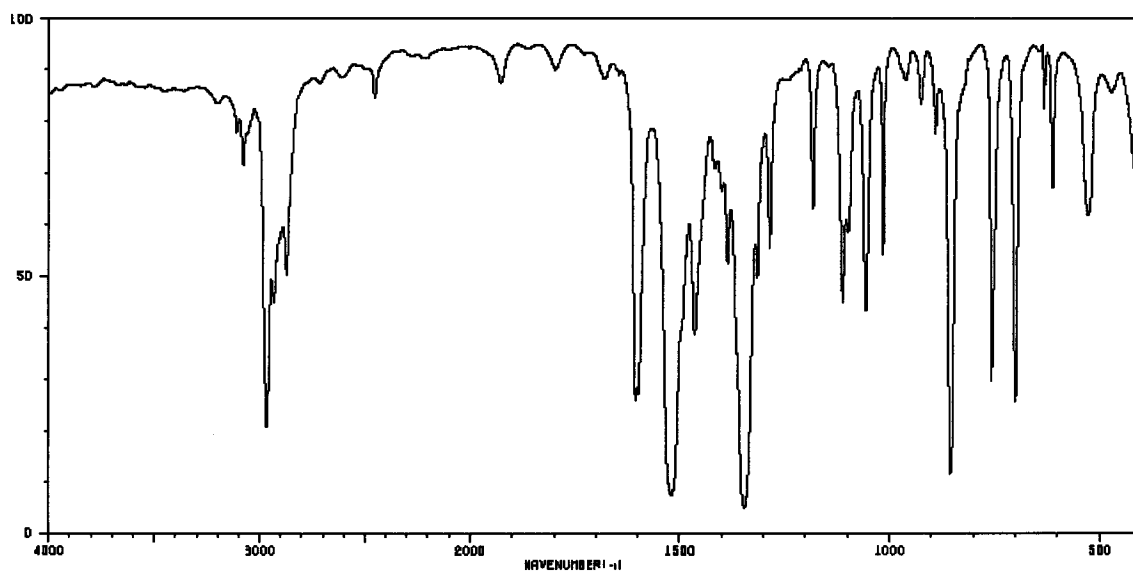
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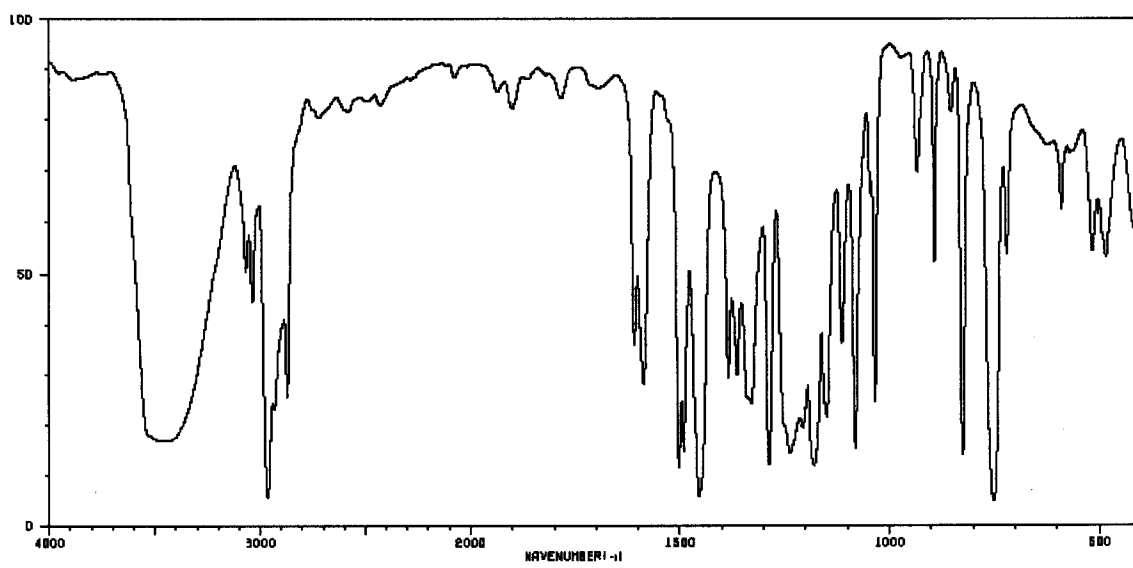
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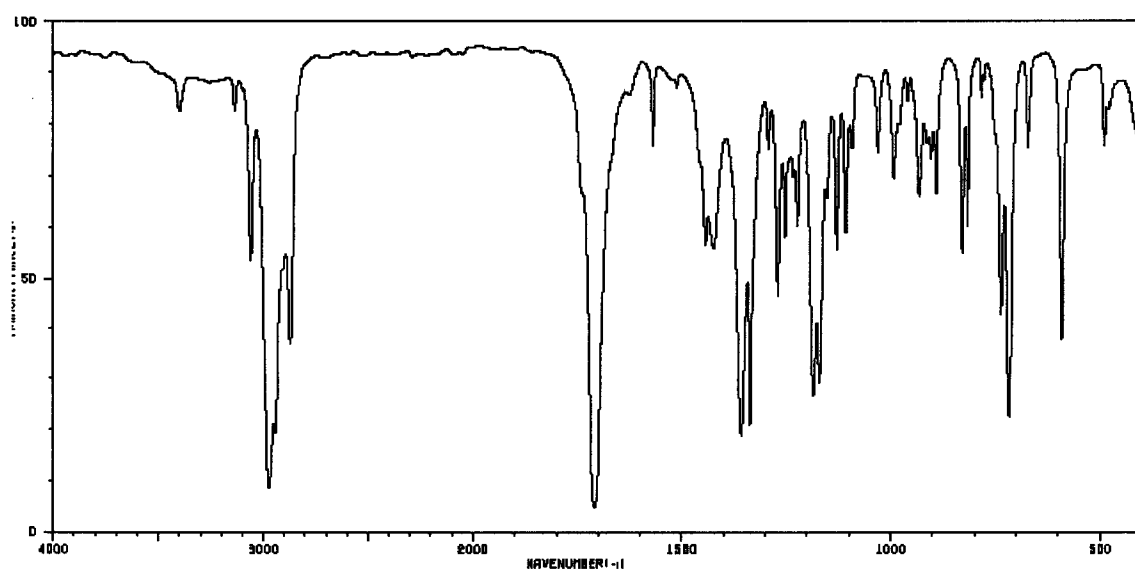
Spectrum 5:



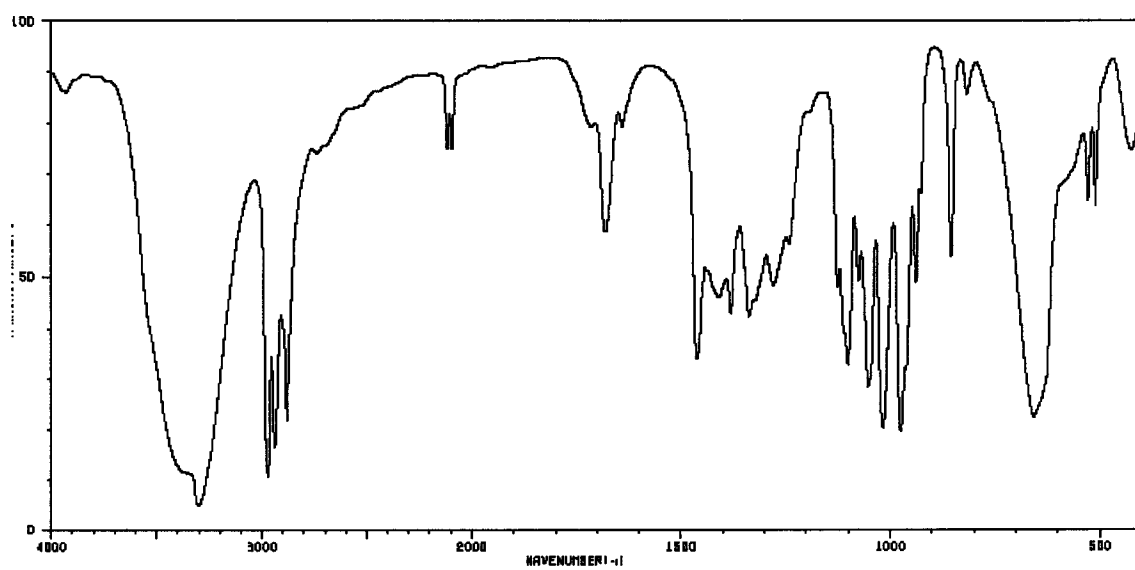
Spectrum 6:



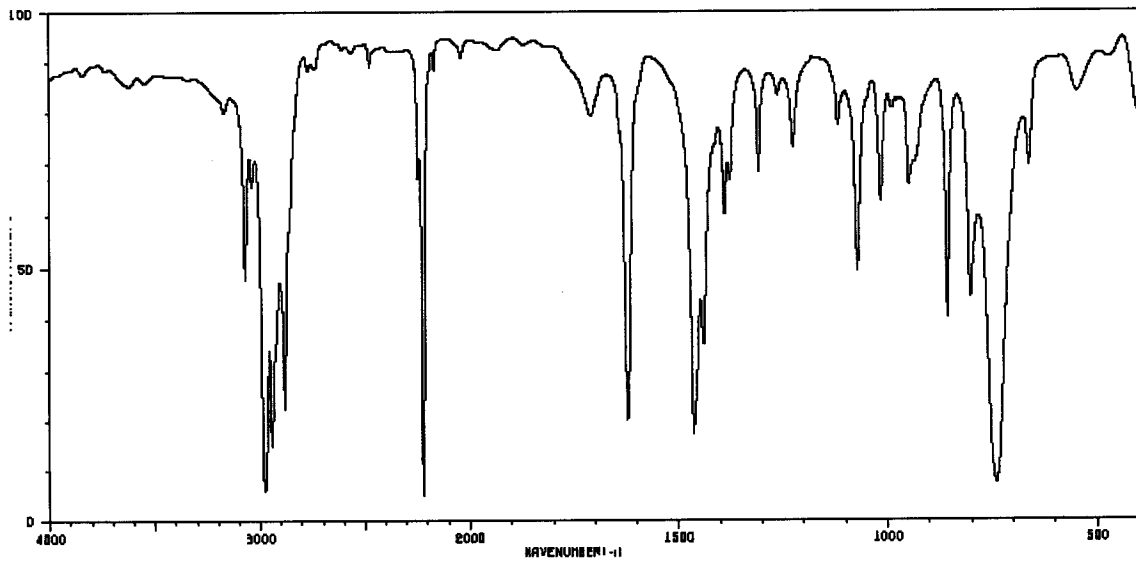
Spectrum 7:



Spectrum 8:



Spectrum 9:



Spectrum 10:

