

Homework 5

Match the C-13 spectra below to the correct isomer:

_____ toluene

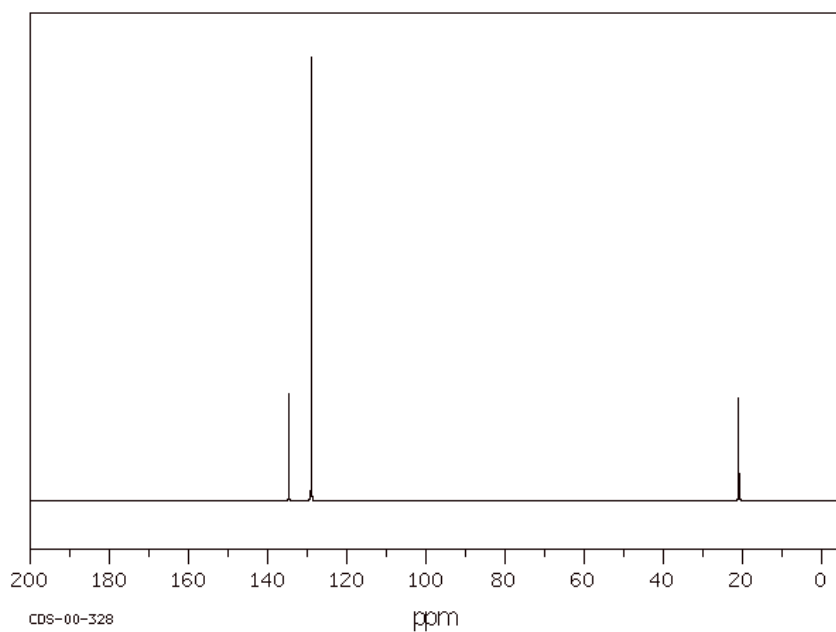
_____ 1,3 dimethylbenzene or *m*-xylene

_____ 1,2 dimethylbenzene or *o*-xylene

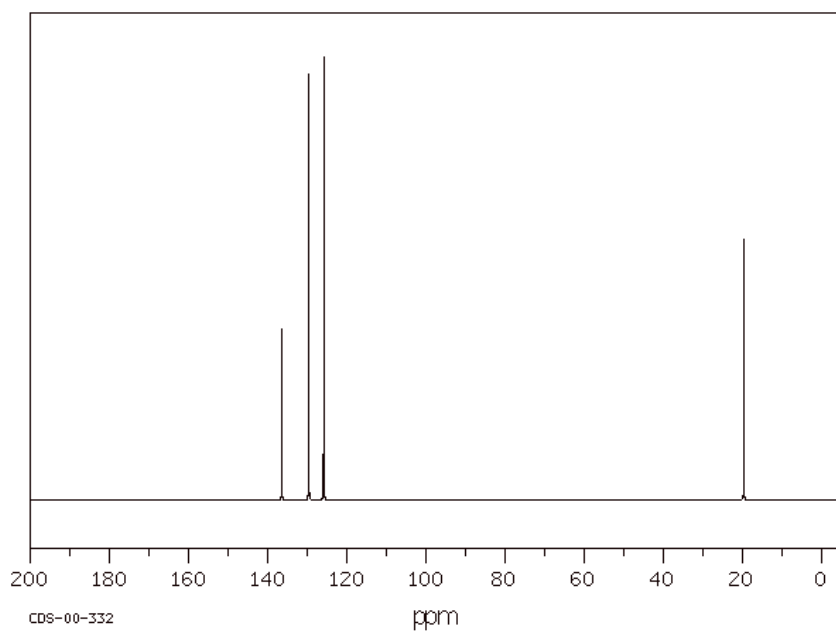
_____ 1,4 dimethylbenzene or *p*-xylene

Explain your logic. You may do so by doing a summary chart of each and correlating it to the structure.

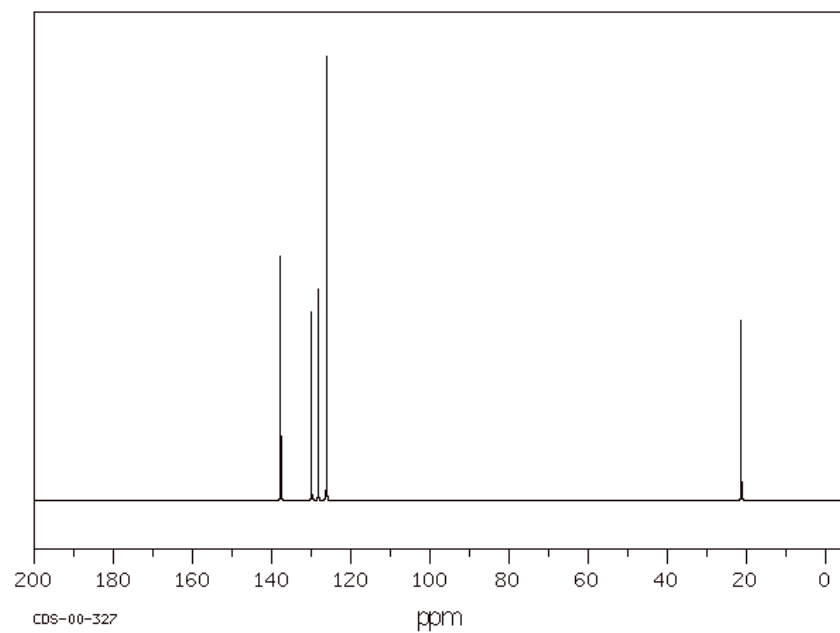
Spectrum A



Spectrum B



Spectrum C



Spectrum D

