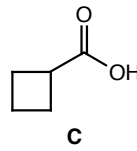
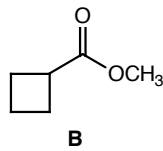
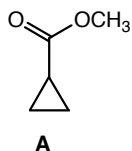
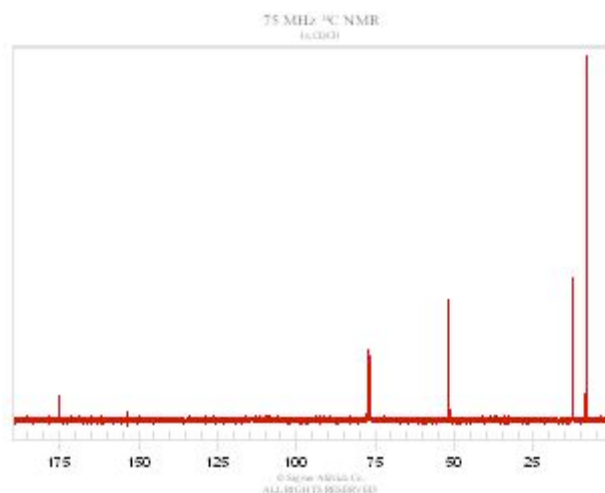
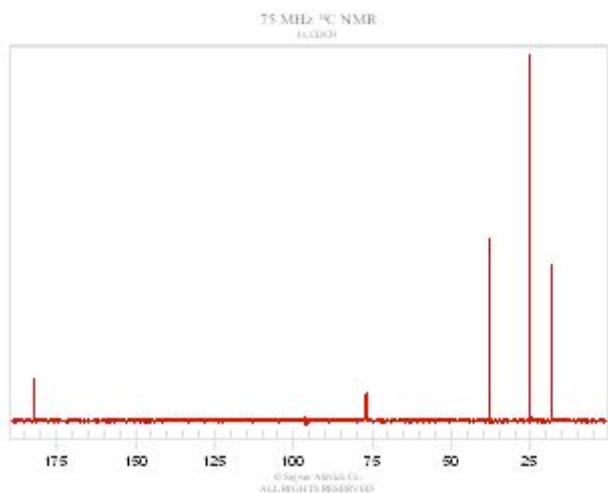


1. Match each ^{13}C NMR spectrum to one of the compounds shown below (the spectrum for one of the compounds is not given.).



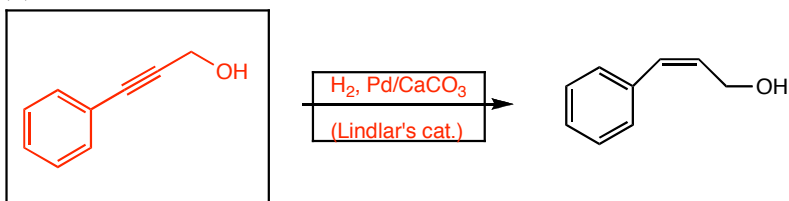
Compound C: four peaks, no C-O

Compound A: four peaks, one C-O



2. Give the appropriate starting material, reagents, and/or product in the following reactions. Be careful to show stereochemistry where appropriate.

(a)



(b)

