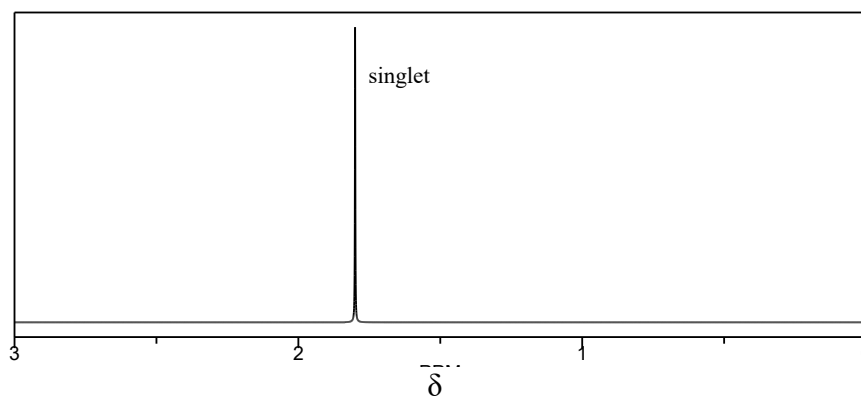
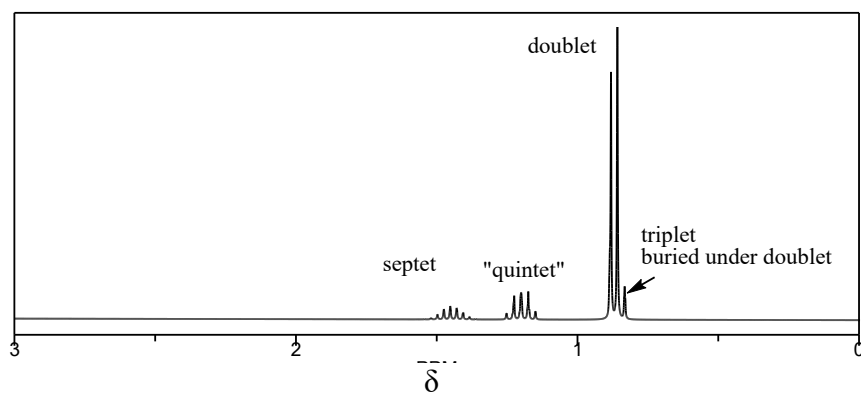
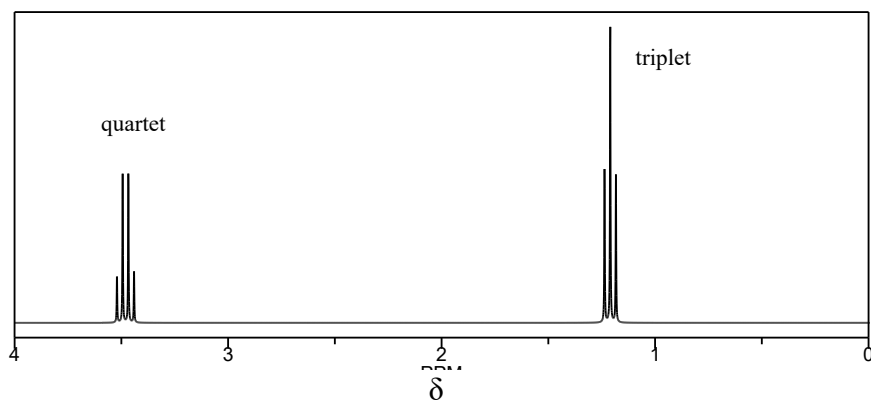
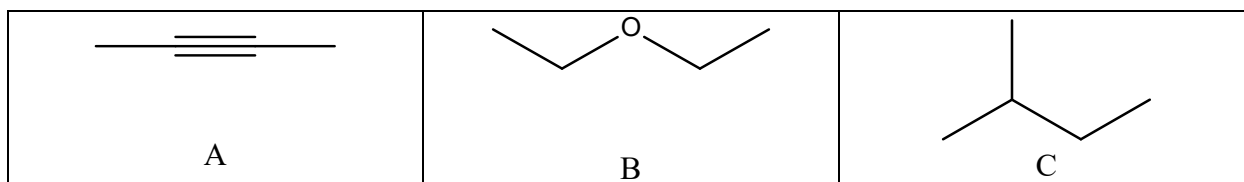
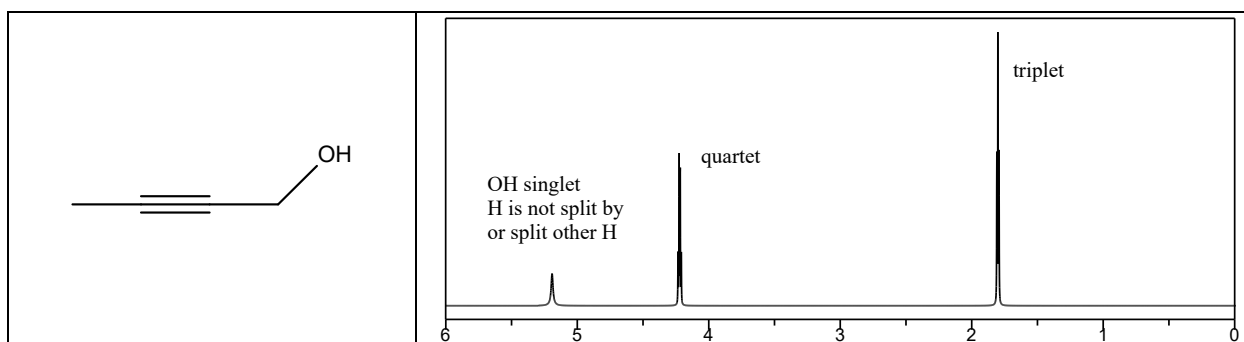
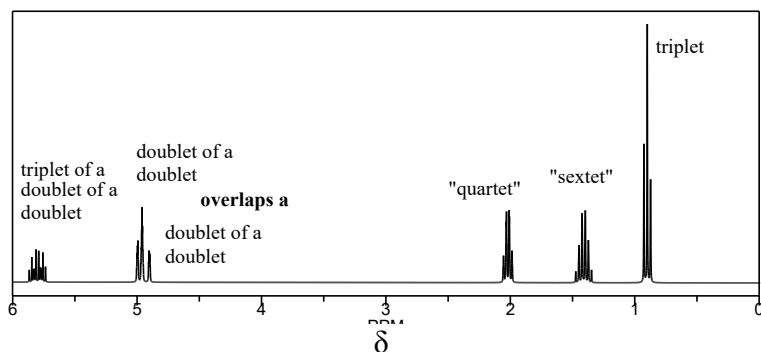
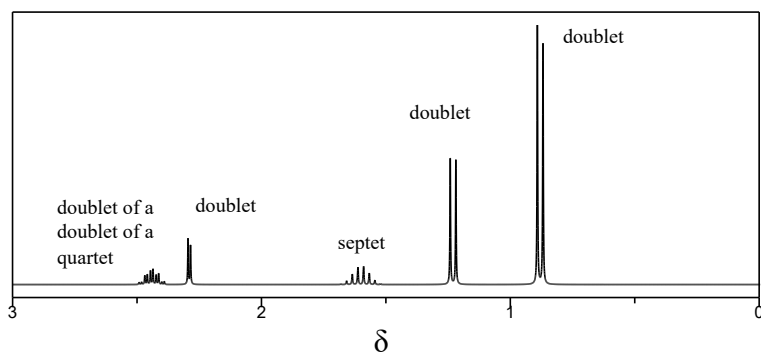
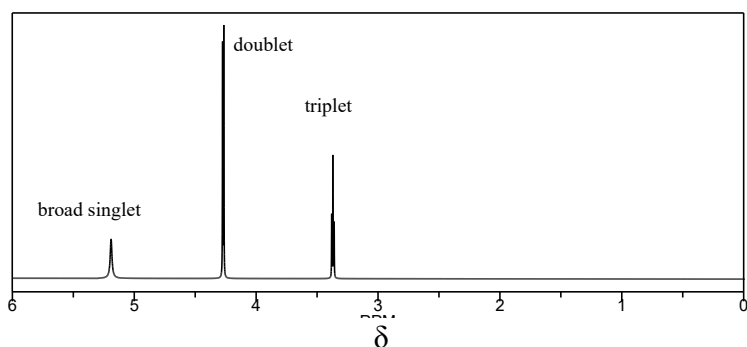
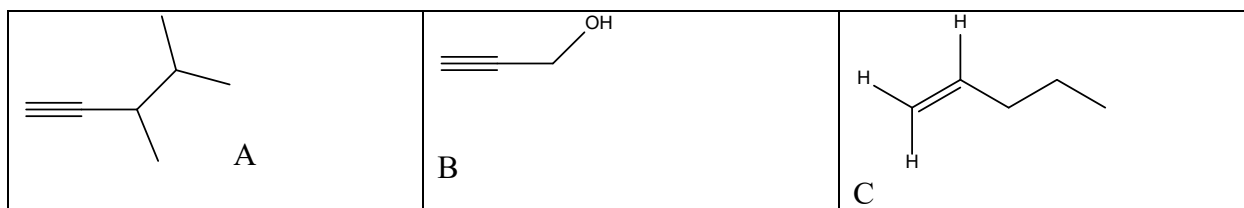


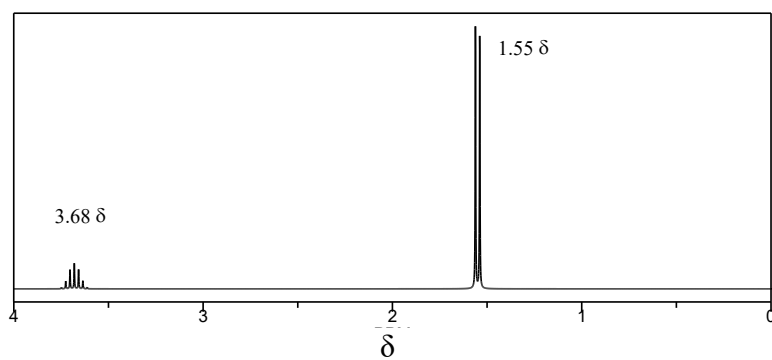
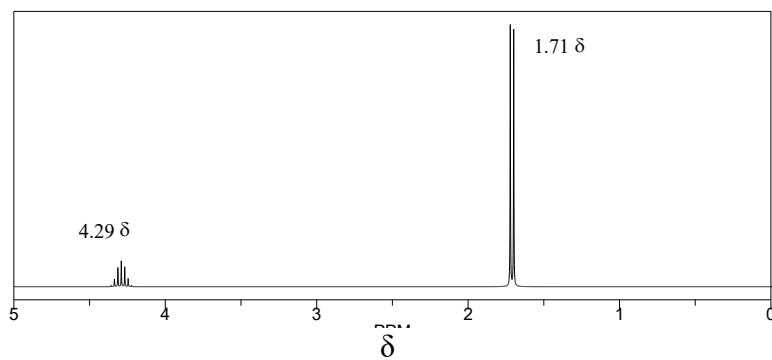
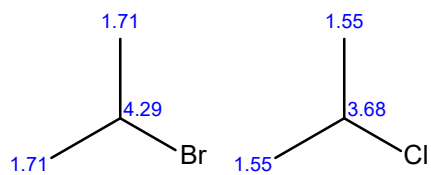


NOTICE

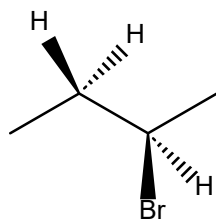


Knowing this 3-bond coupling distance for alkyne-Hs match the following:

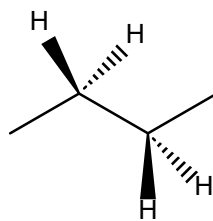




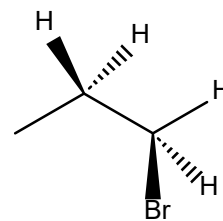
How many unique ^1H signals will be observed in the ^1H NMR?



5 (Why?)



2 (Why?)



3 (Why?)