Match each of the spectra with one of the structural isomers of C5H10 below by drawing the structure to the right of the corresponding spectrum. There are more compounds than spectra so not all of the compounds will be used. Briefly justify your choices. The spectra are all decoupled carbon NMR spectra with the DEPT-135 information shown above each peak. Note that + → CH or CH3, - → CH2, and null (0) → quaternary carbon (no hydrogens attached). Any signal at 0 ppm is a reference that should be ignored.
Match each of the spectra with one of the structural isomers of C₅H₁₀ below by drawing the structure to the right of the corresponding spectrum. There are more compounds than spectra so not all of the compounds will be used. Briefly justify your choices. The spectra are all decoupled carbon NMR spectra with the DEPT-135 information shown above each peak. Note that + → CH or CH₃, - → CH₂, and null (0) → quaternary carbon (no hydrogens attached). Any signal at 0 ppm is a reference that should be ignored.