The $^{12,13}$C isotopic substitution method applied to IR absorption spectra has been successful in identifying the size and the geometry of many molecular systems, including carbon clusters. Using this method we obtained $^{13}$C-labeled IR spectra in the $\nu > 2200 \text{ cm}^{-1}$ region for linear carbon clusters isolated in an Ar matrix. By comparison to the calculated isotopomer frequencies at the B3LYP/6-31G* level, the observed bands have been assigned to combination modes of $^{12,13}$C$_n$ clusters. In addition, from these combination band frequencies the few symmetrical mode vibrations in the linear C$_n$ ($n<10$) clusters have been deduced.