We have measured the absolute intensities as well as H2-, N2- and He- broadened half-widths of lines in the P- and R- branches of the v5- fundamental and hot bands of C2H2 at temperatures between 149K and 296K employing a Fourier-Transform-Spectrometer with spectral resolution as high as 0.0016 cm\(^{-1}\). Our intensity values are about 10 percent larger than those in the HITRAN database. The broadening coefficients are in good agreement with results of Bouanich et al (at 296K and 177K) and Dana et al (at room temperature). Intensity and self-broadening coefficients of hundreds of lines of CH\(_2\)Cl in the 670-770 cm\(^{-1}\) region have been measured at temperatures 296, 243 and 203 K. Comparison with the existing data banks was made upon line intensities. Measurements of lines of C\(_2\)H\(_4\) were performed in 850-1100 cm\(^{-1}\) spectral region. We present a preliminary set of results.