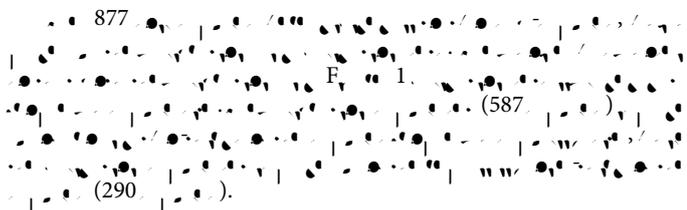




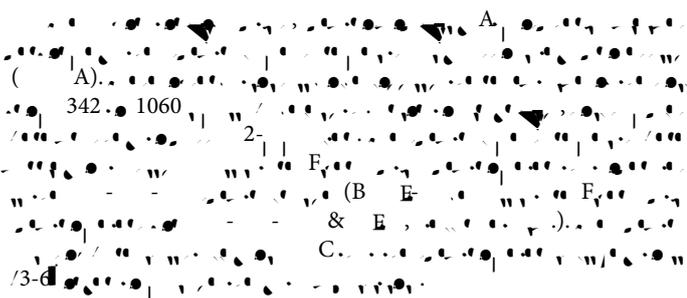


**Figure 1** FTIR spectra of samples A, B, C, and D.

Figure 1 shows the FTIR spectra of samples A, B, C, and D. The x-axis represents the wavenumber in cm⁻¹, ranging from 4000 to 400. The y-axis represents transmittance. The spectra show characteristic absorption bands for all samples, with the most prominent bands observed at approximately 3420, 1060, and 710 cm⁻¹.



**Figure 2** FTIR spectra of samples E, F, G, and H.



**Figure 3** FTIR spectra of samples I, J, K, and L.

Figure 3 shows the FTIR spectra of samples I, J, K, and L. The x-axis represents the wavenumber in cm⁻¹, ranging from 4000 to 400. The y-axis represents transmittance. The spectra show characteristic absorption bands for all samples, with the most prominent bands observed at approximately 3420, 1060, and 710 cm⁻¹.