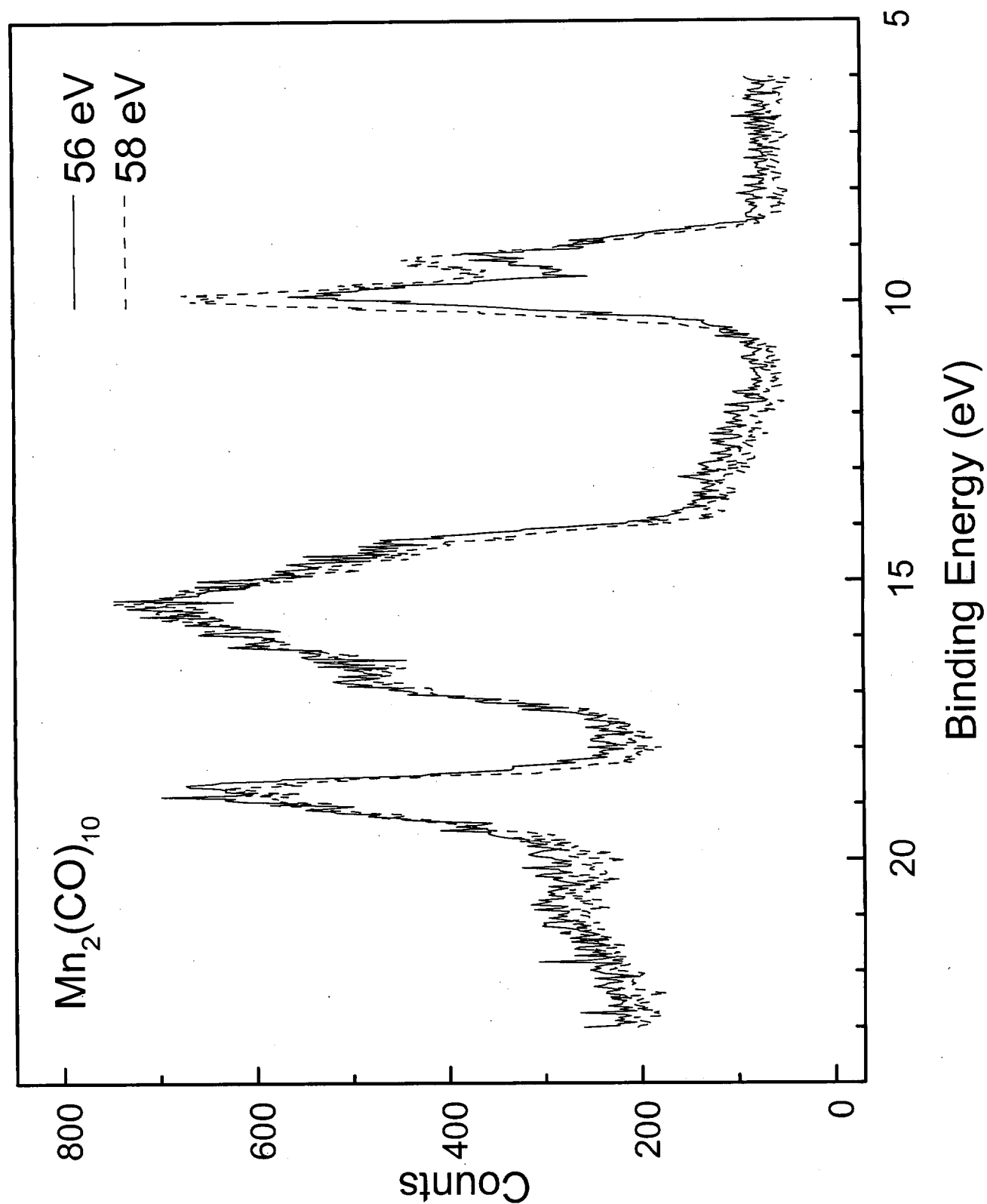
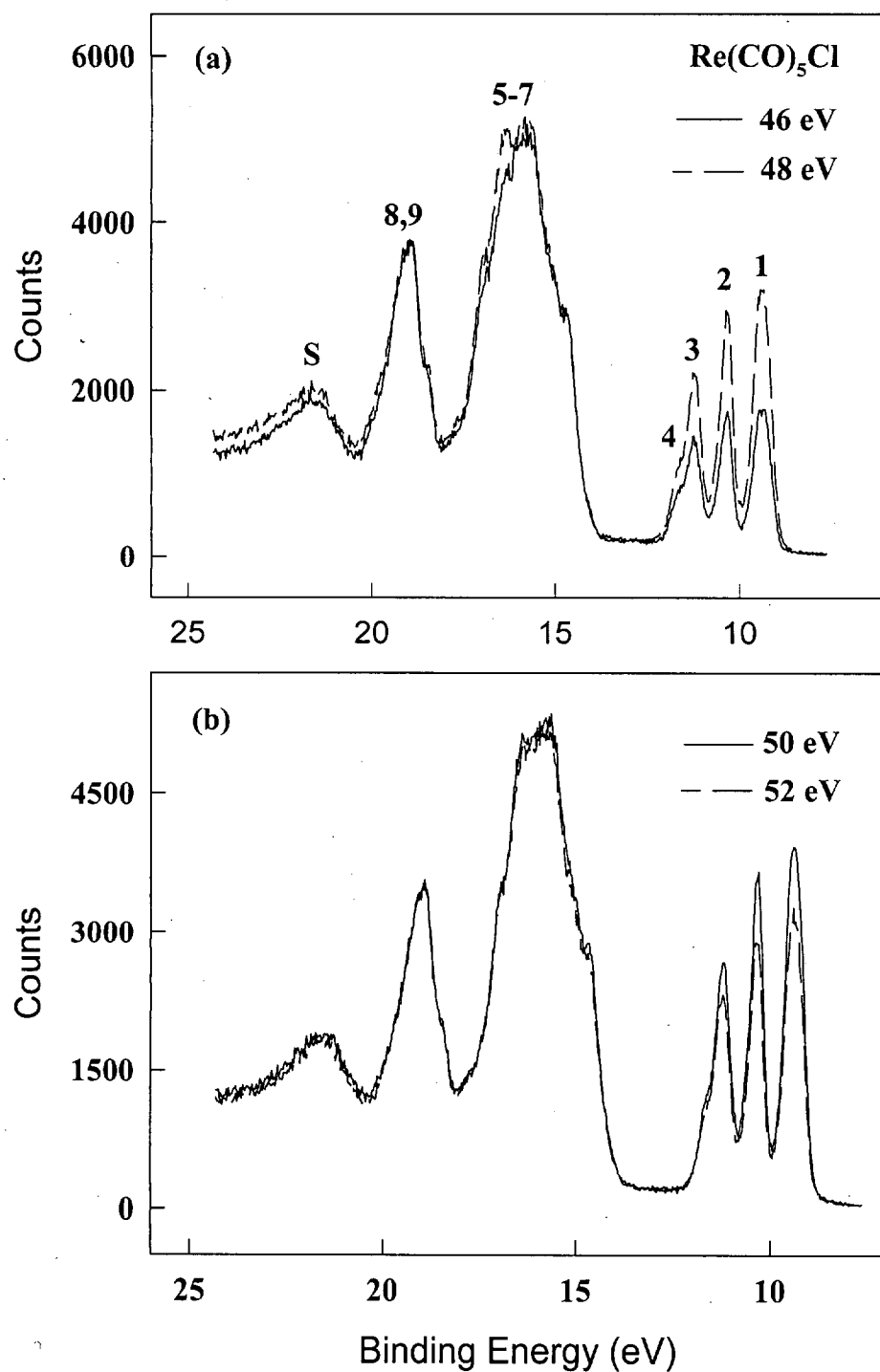


S1. The valence level photoelectron spectra of $\text{Mn}_2(\text{CO})_{10}$ at 56 and 58 eV photon energies.





S2. The valence level photoelectron spectra of $\text{Re}(\text{CO})_5\text{Cl}$ at 46, 48, 50, and 52 eV photon energies, showing the maximum relative intensities of peaks 1 to 4 around 50 eV photon energy. All the spectra are normalized with intensities of peaks 8 and 9.