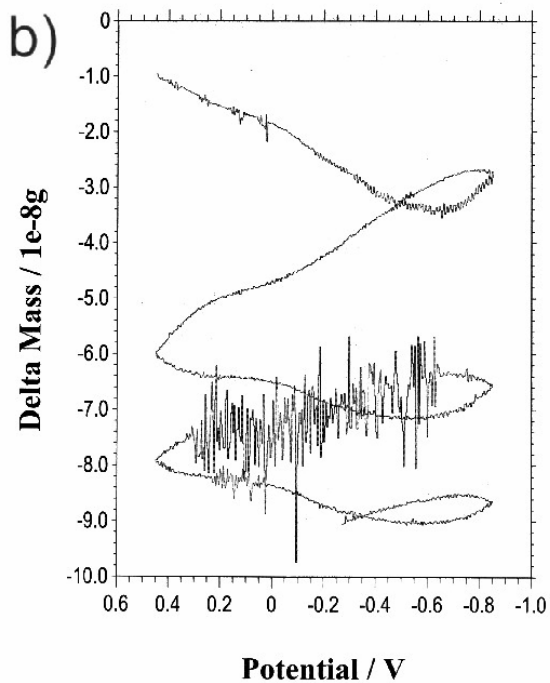
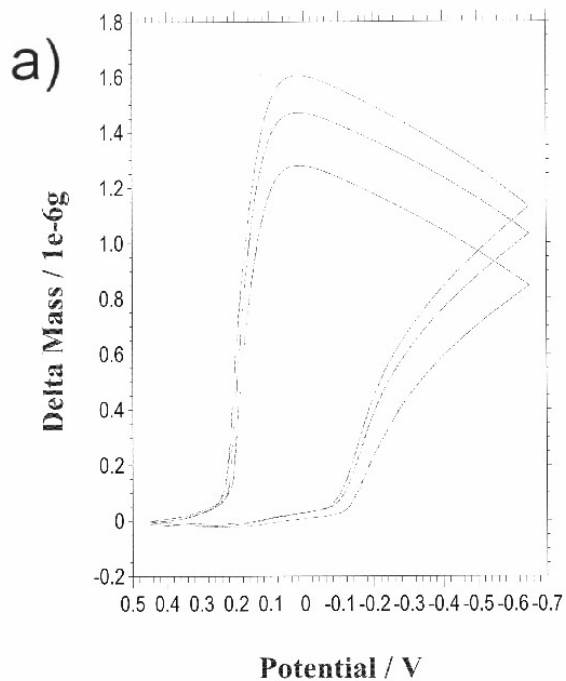


Supplementary material. Mass change/potential plots recorded at the EQCM for solutions of: a) 0.50 mM $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ plus 0.15 M NaClO_4 at pH 2.0, and b) 0.50 mM $4[\text{Cu}_2\text{H}_2\text{L}^1](\text{ClO}_4)_2$ in 0.15 M NaCl at pH 7.5. Potential cycling between +450 and -1050 mV; potential scan rate 100 mV/s.



Supplementary material. SQWVs at GCE for a 0.45 mM solution of $5[\text{Cu}_2\text{H}_{-1}\text{L}^2](\text{H}_2\text{O})_2(\text{ClO}_4)_3$ in 0.15 M NaCl at 299 (A), 315 (B), and 328 K (C). Potential step increment 4 mV; square wave amplitude 25 mV; frequency 15 Hz.

