

Figure S1 - experimental setups for catalytic tests. A – loose-contact soot combustion, B – no oxidation and C – contactless soot combustion.

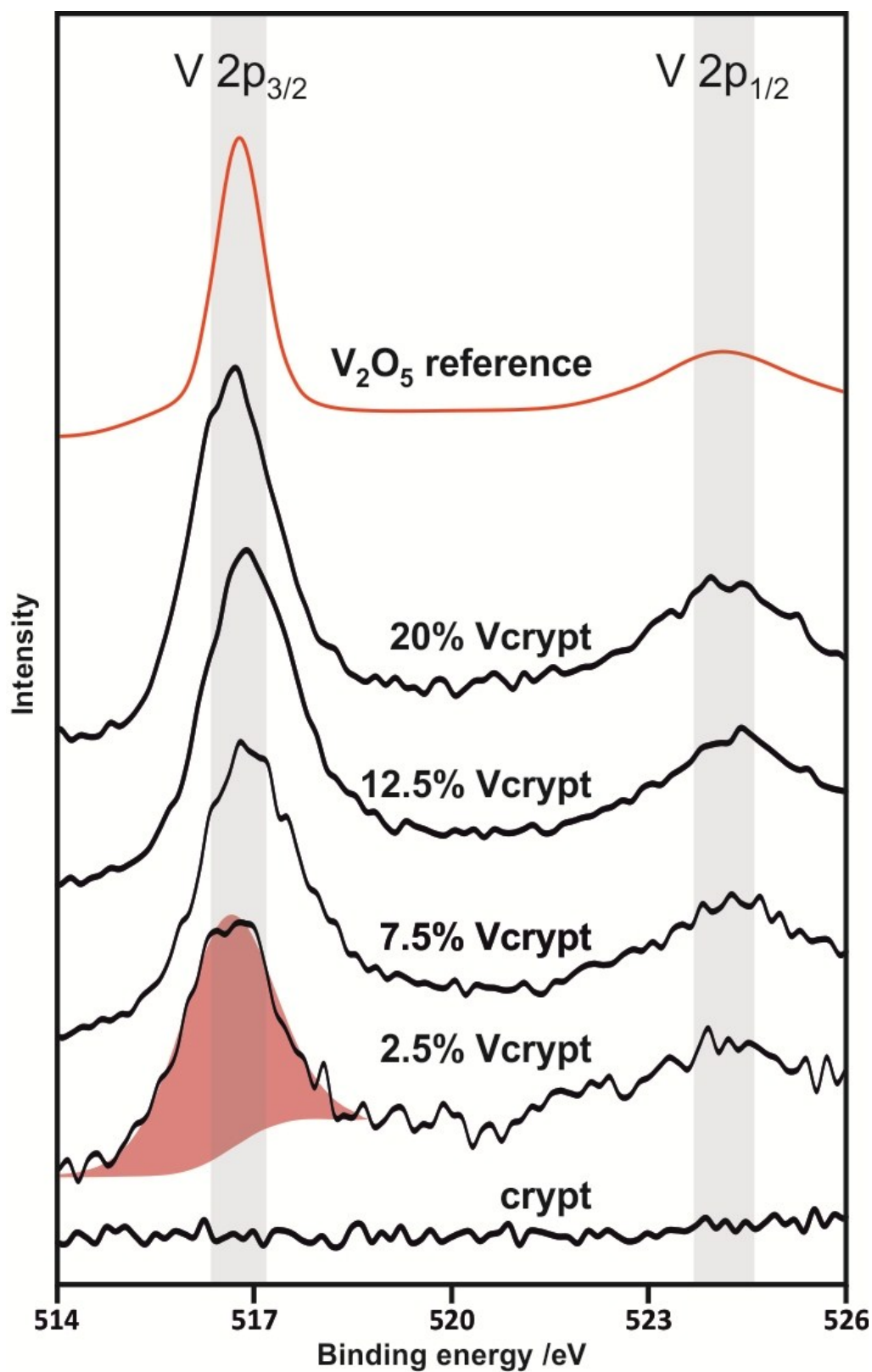


Figure S2 – the XPS vanadium 2p_{3/2} and V 2p_{1/2} narrow scan spectra for the investigated V-doped cryptomelane catalysts together with the V₂O₅ reference. The red shaded area shows the fitting for V⁵⁺ band. No significant contribution from V⁴⁺ was observed.