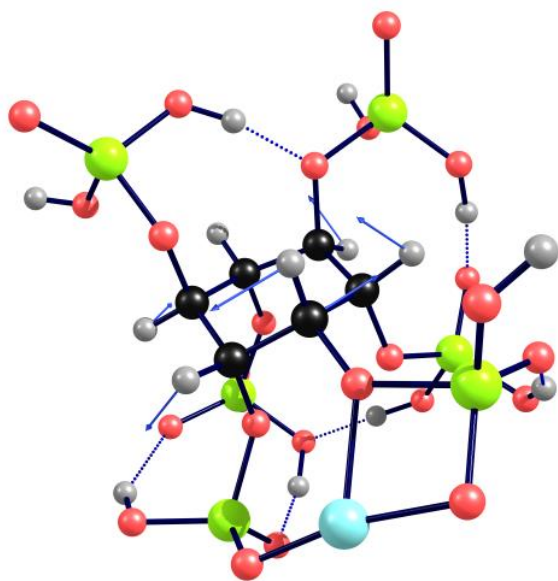
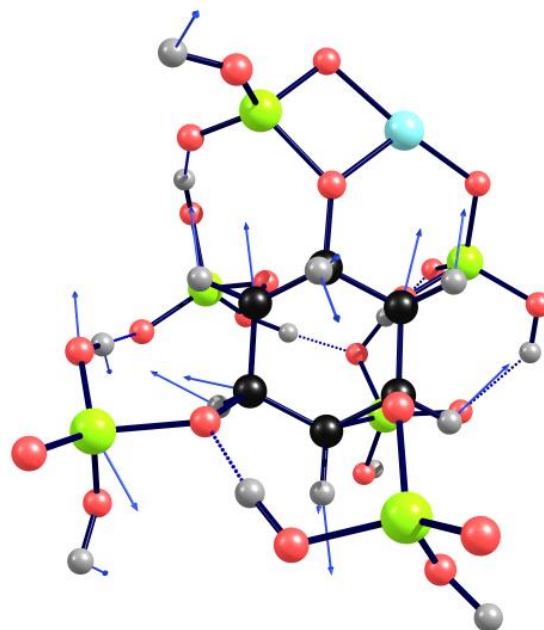
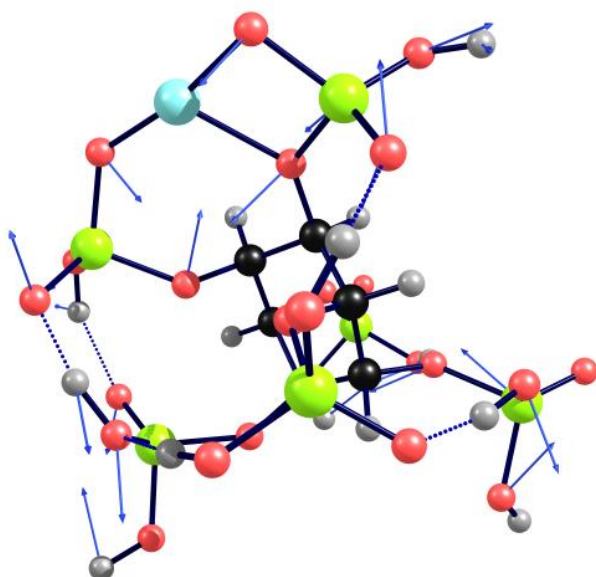




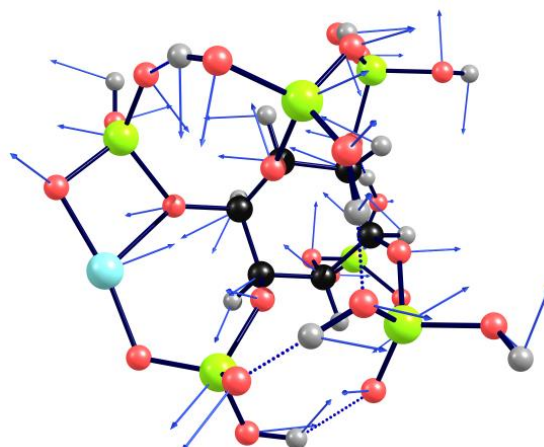
(a) 1393-1395 cm^{-1} (1395w cm^{-1})* - $\delta(\text{CH})$



(b) 810-815 cm^{-1} (802sh cm^{-1})* - $\nu(\phi)$



(c) 503-506 cm^{-1} (488m cm^{-1} ; 454m cm^{-1})* - $\delta(\text{C-O-P}) + \delta(\text{PO}_4)$



(d) 190-193 cm^{-1} (150w cm^{-1})* - $\nu(\text{Cu-O}) + \nu(\text{O}\cdots\text{H})$

Fig. S1. The visualisation of selected vibrational modes (created with ChemCraft).

* The observed wavenumbers are given in parentheses.

Abbreviations used: s, strong; m, medium; w, weak; v, very; sh, shoulder; ν , stretching (s, symmetric; as, asymmetric); δ , scissoring; and ϕ , inositol ring.