

*Supporting Information File*

**Dioxo-vanadium(V), oxo-rhenium(V) and dioxo-uranium(VI) complexes with a tridentate Schiff base ligand**

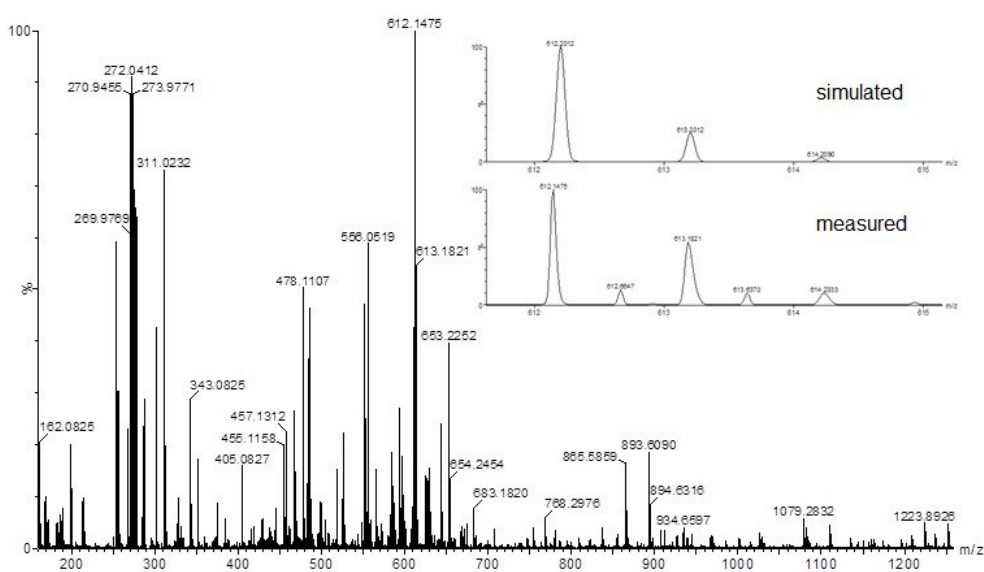
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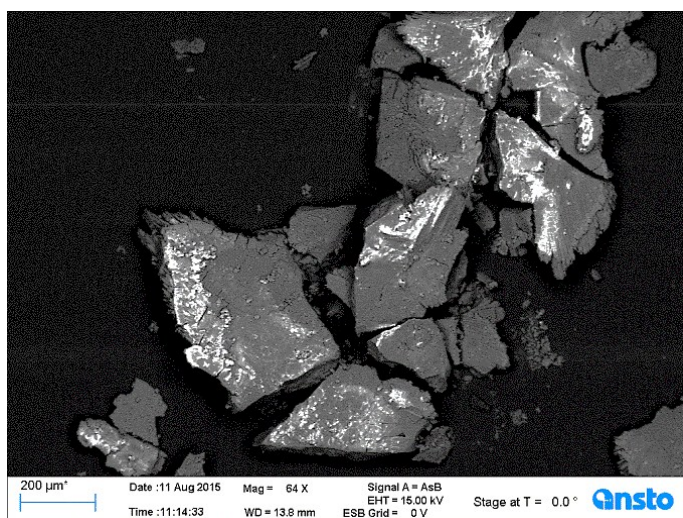
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**Figure S1.** ESI-MS for complex **4** with an inset of isotope models of  $612.1475 = \{[C_{22}H_{20}N_3O_3U]\}^{1+}$ .

A



B



C

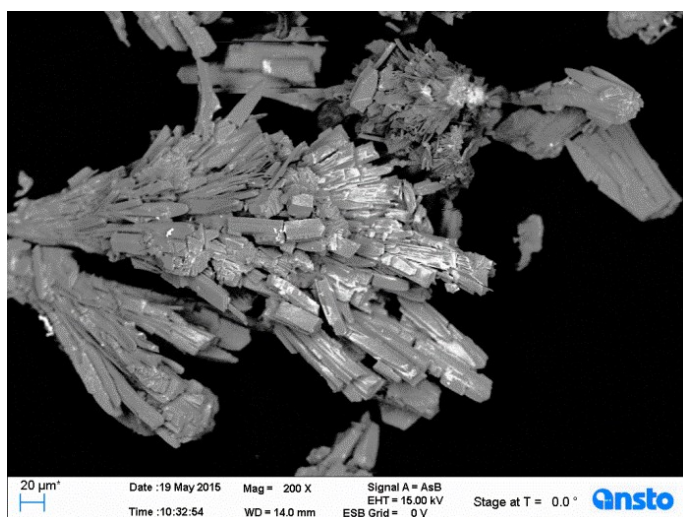
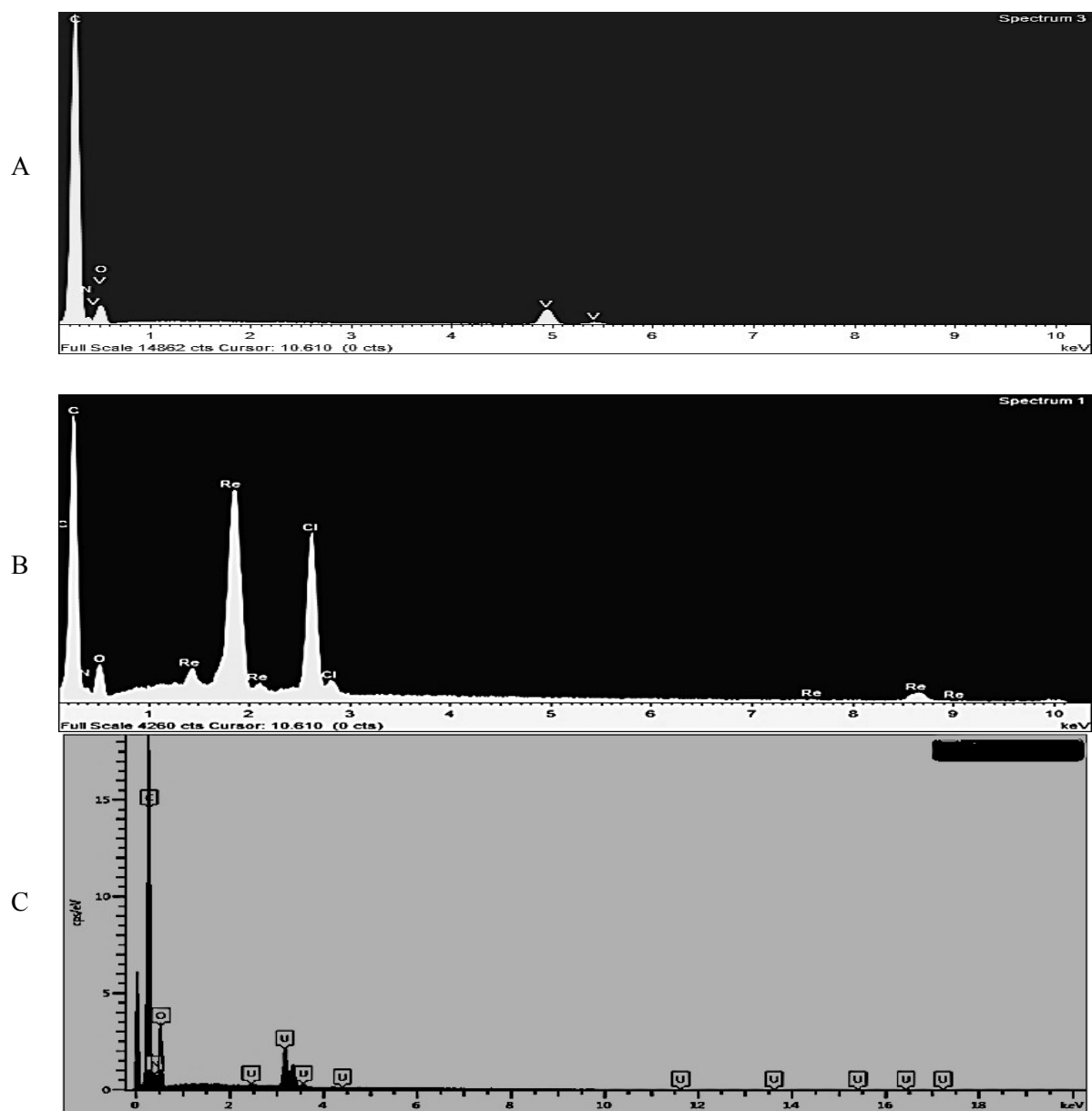
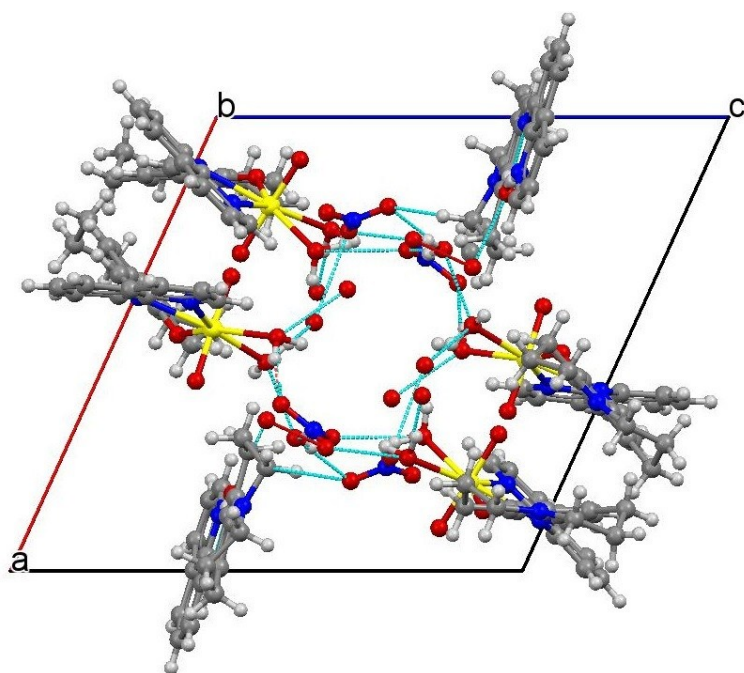


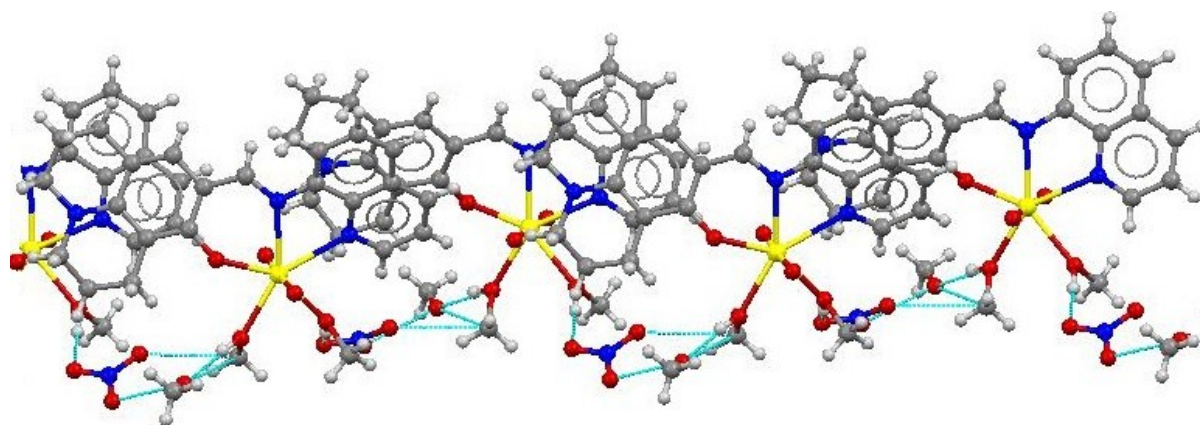
Figure S2. Backscattered SEM images of 1 (A), 2 (B) and 4 (C).



**Figure S3.** SEM-EDS spectra of **1** (A), **2** (B) and **4** (C) showing the presence of key elements.



**Figure S4.** Hydrogen bonds among nitrate anions and water molecules in **3** linking the monomeric structure into 1D polymers along the crystallographic *b*-axis.



**Figure S5.** Hydrogen bonds among nitrate anions and coordinated methanol molecules in **4** linking the monomeric structures into 1D polymers.