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Supporting information for article:

Synthesis and structural characterization of tube-type tetradeca-vanadates

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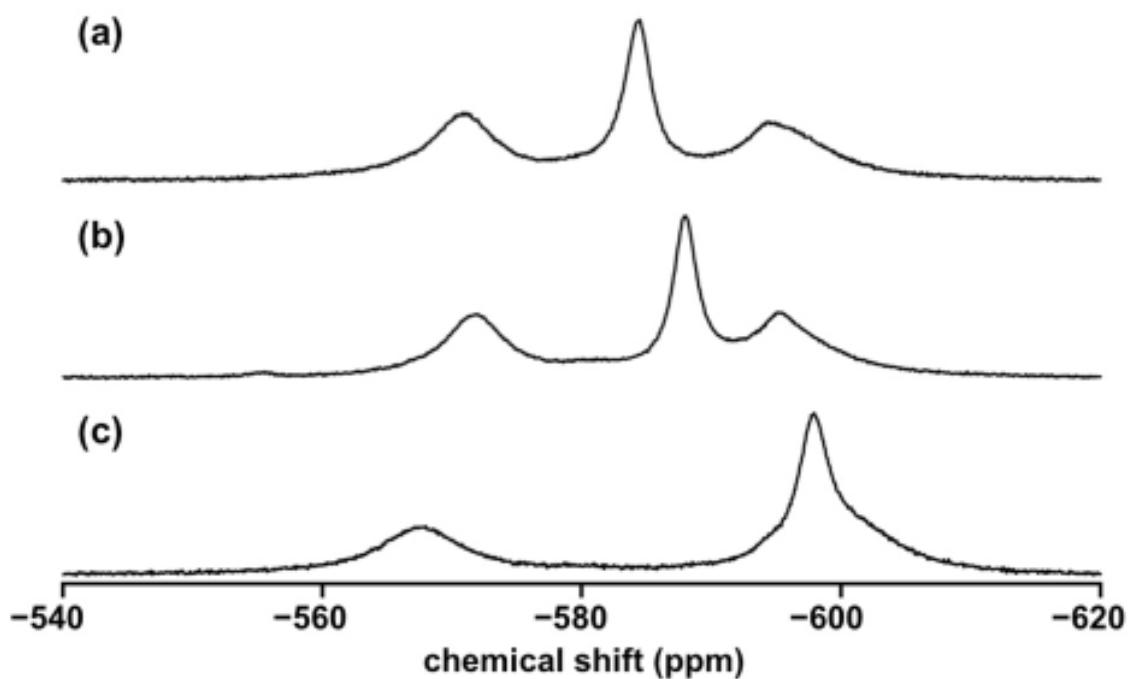


Figure S1 ^{51}V NMR spectra of (a) **1**, (b) $\{(\text{C}_2\text{H}_5)_4\text{N}\}_5[\text{V}_{12}\text{O}_{32}(\text{OCN})]$, and (c) $\{(\text{C}_2\text{H}_5)_4\text{N}\}_5[\text{V}_{12}\text{O}_{32}(\text{NO}_3)]$ in propylene carbonate.

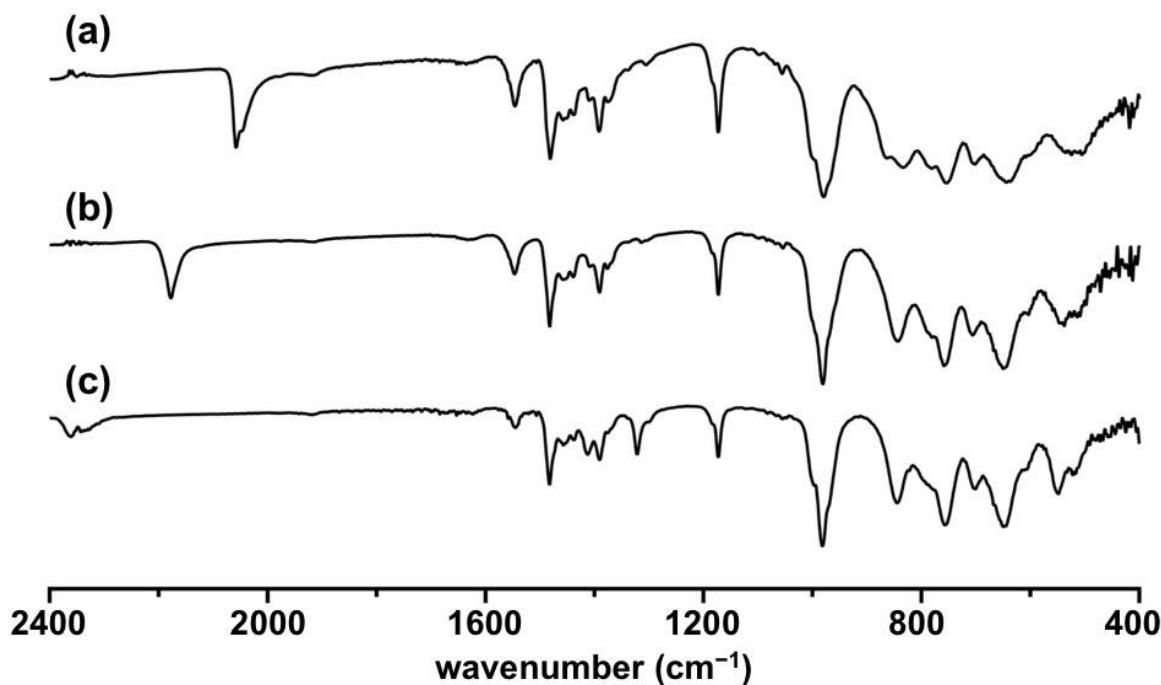
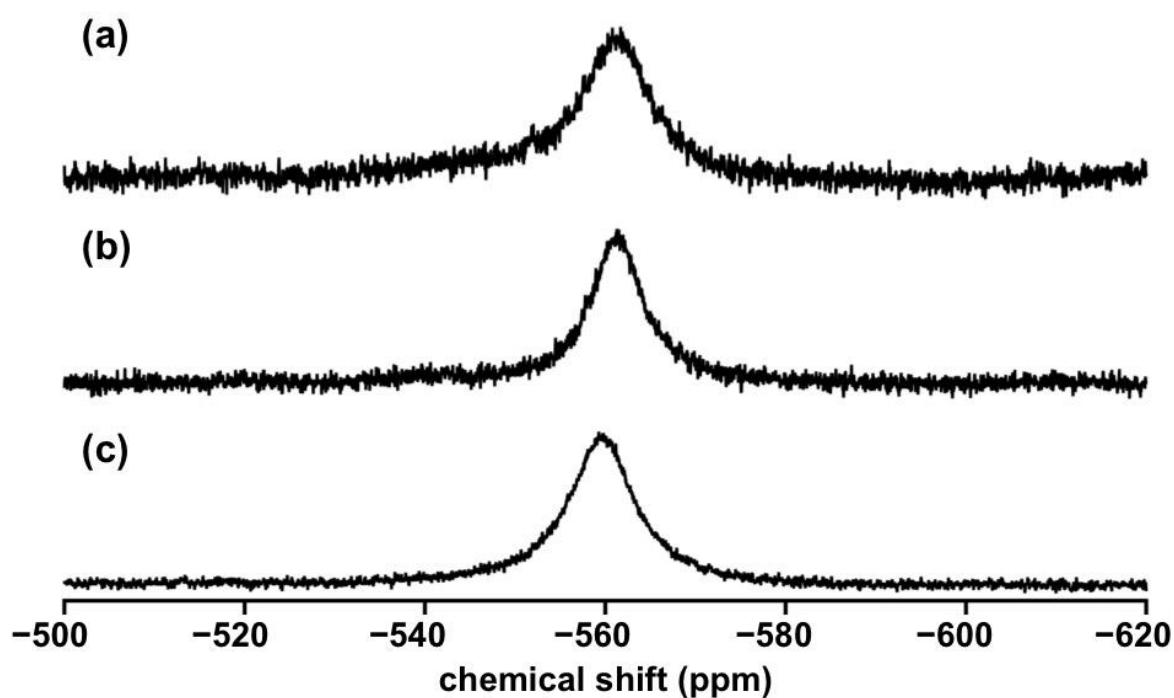
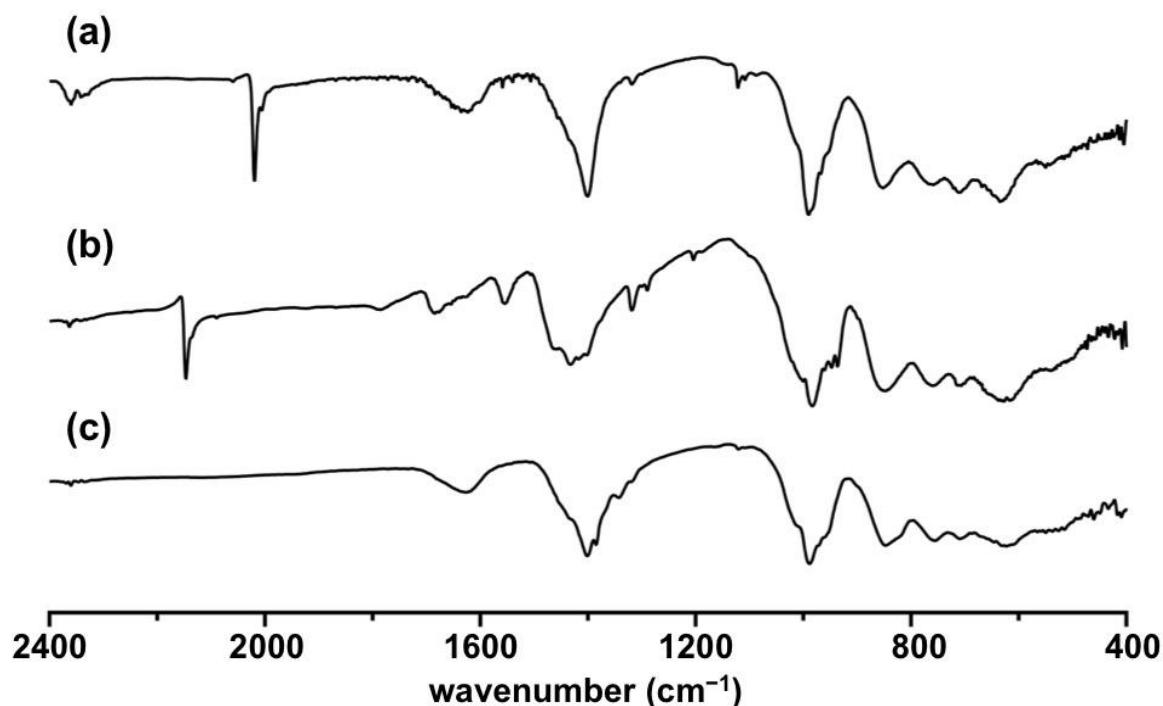


Figure S2 IR spectra of (a) **1**, (b) $\{(C_2H_5)_4N\}_5[V_{12}O_{32}(OCN)]$, and (c) $\{(C_2H_5)_4N\}_5[V_{12}O_{32}(NO_3)]^{5-}$.**Figure S3** ^{51}V NMR spectra of (a) **2**, (b) **3**, and (c) **4** in dimethyl sulfoxide.**Figure S4** IR spectra of (a) **2**, (b) **3**, and (c) **4**.