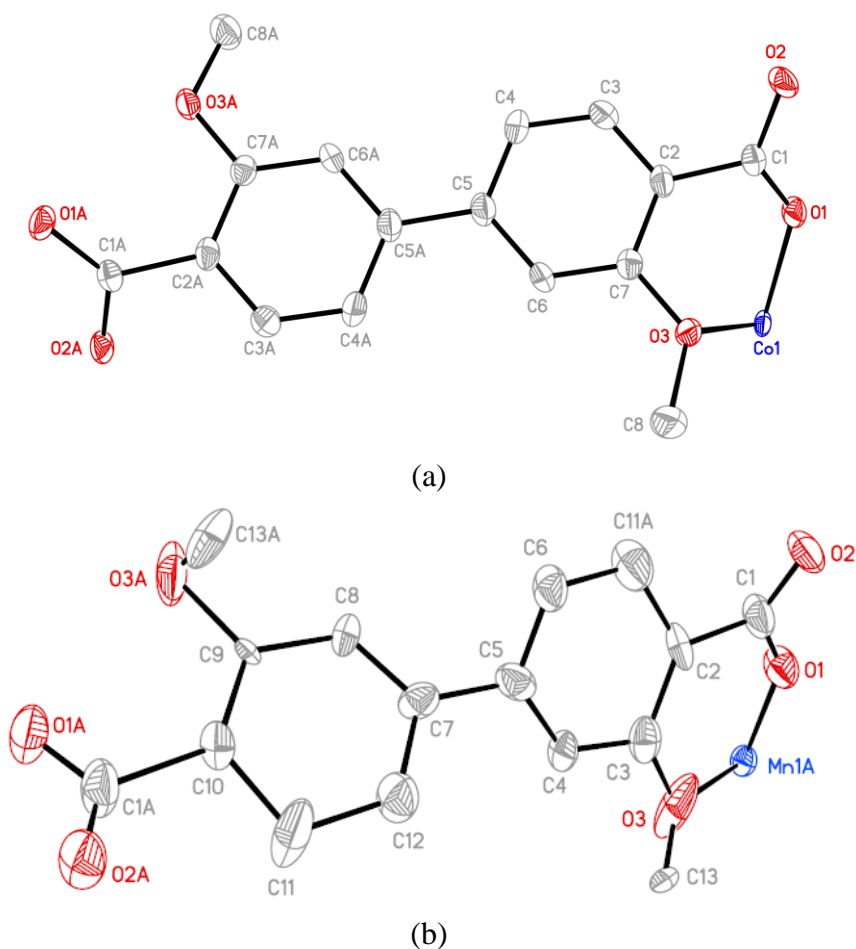


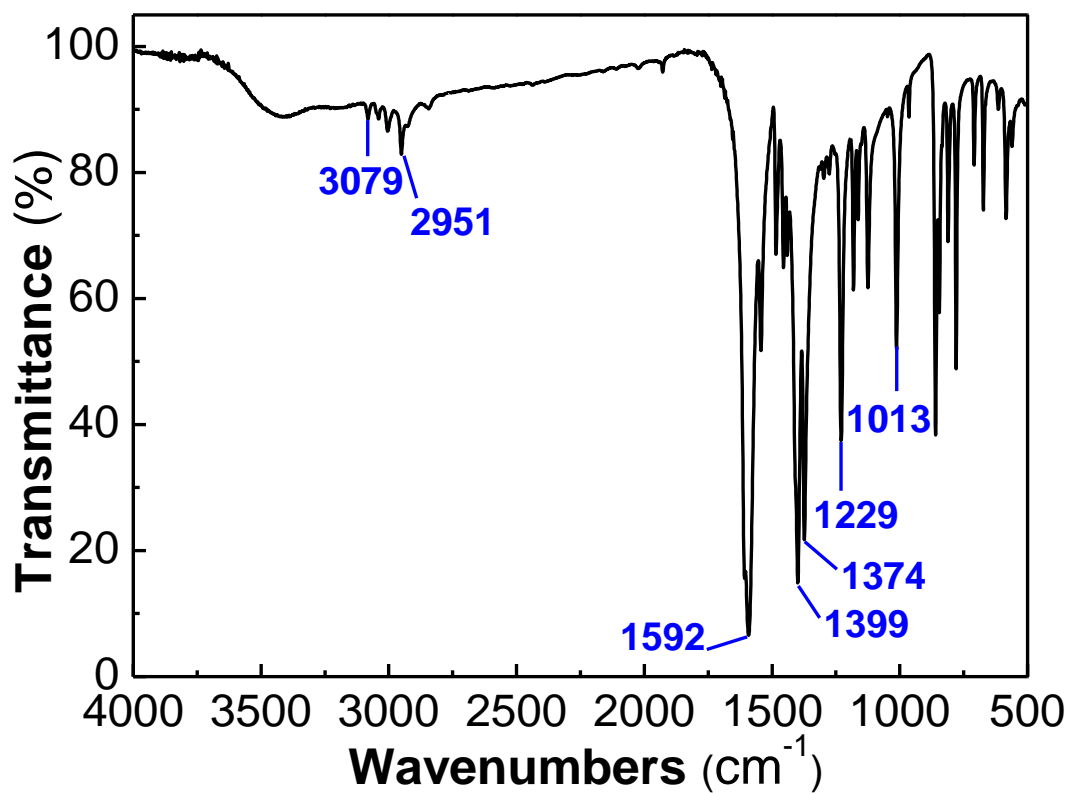
## Two 3D metal-organic frameworks with different topologies, thermal stabilities and magnetic properties

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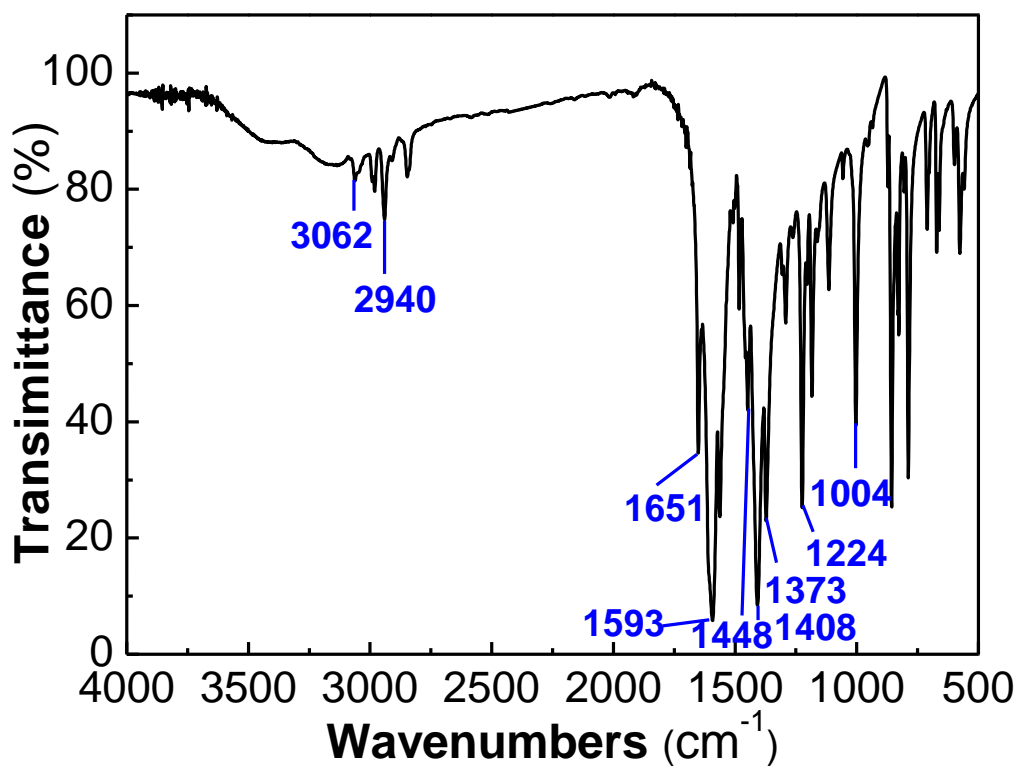
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**Fig. S1** ORTEP drawing (at 50% probability) of the asymmetric unit for MOFs **1** (a) and **2** (b). Hydrogen atoms are omitted for clarity.

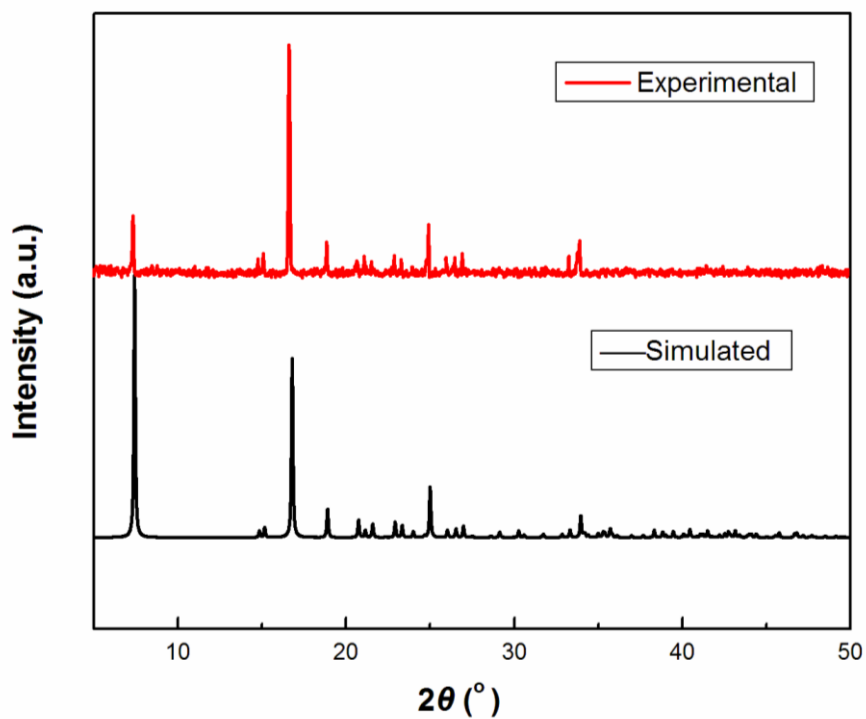


(a)

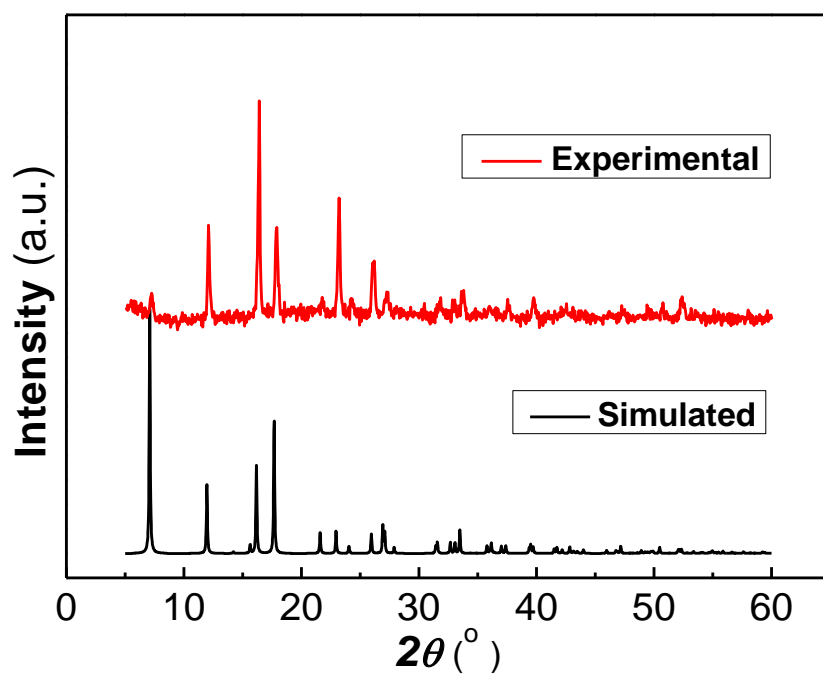


(b)

**Fig. S2** FT-IR of MOFs 1 (a) and 2 (b).



**Fig. S3** Experimental and simulated P-XRD patterns of MOF 1



**Fig. S4** Experimental and simulated P-XRD patterns of MOF 2.