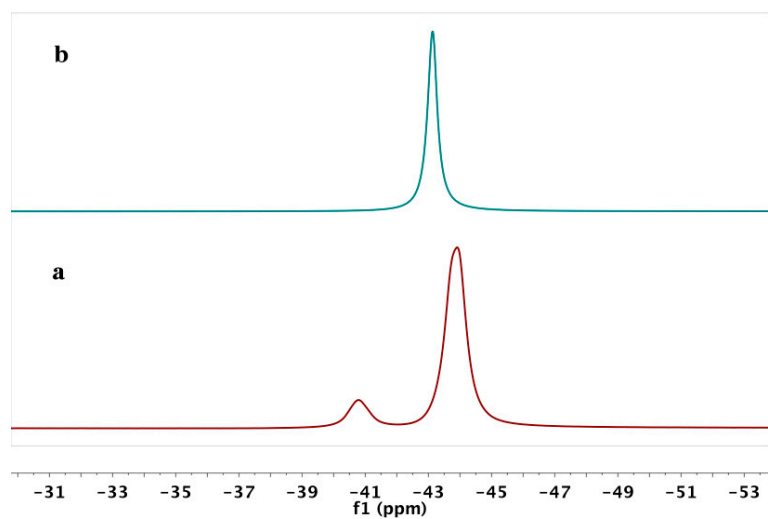
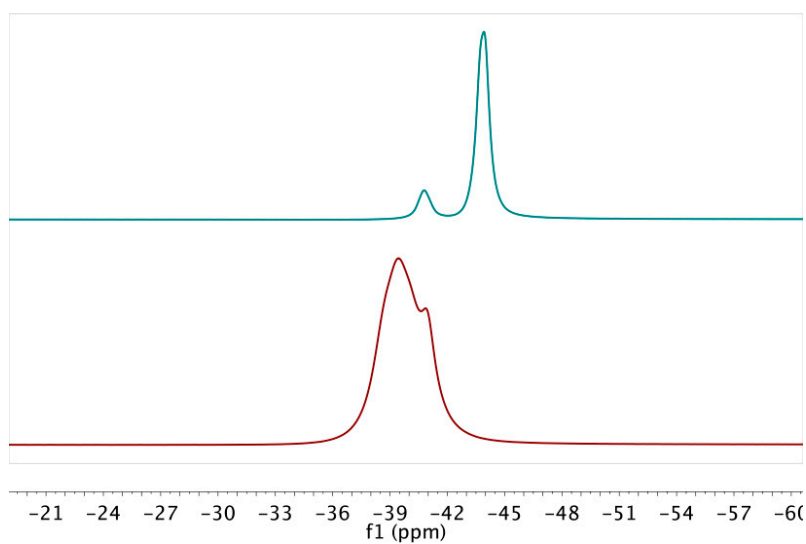


Supplementary data



S1 *In situ* VT MAS ^{11}B NMR of $\text{Mg}(\text{BH}_4)_2 \cdot \text{THF}$ at a) room temperature and b) 90 °C.



S2 ^{11}B MAS spectra of unsolvated $\text{Mg}(\text{BH}_4)_2$ (bottom) and $\text{Mg}(\text{BH}_4)_2 \cdot \text{THF}$