

SUPPLEMENTARY INFORMATION

## Zinc(II) Iminopyridine Complexes as Antibacterial Agents: A Structure-to-Activity Study

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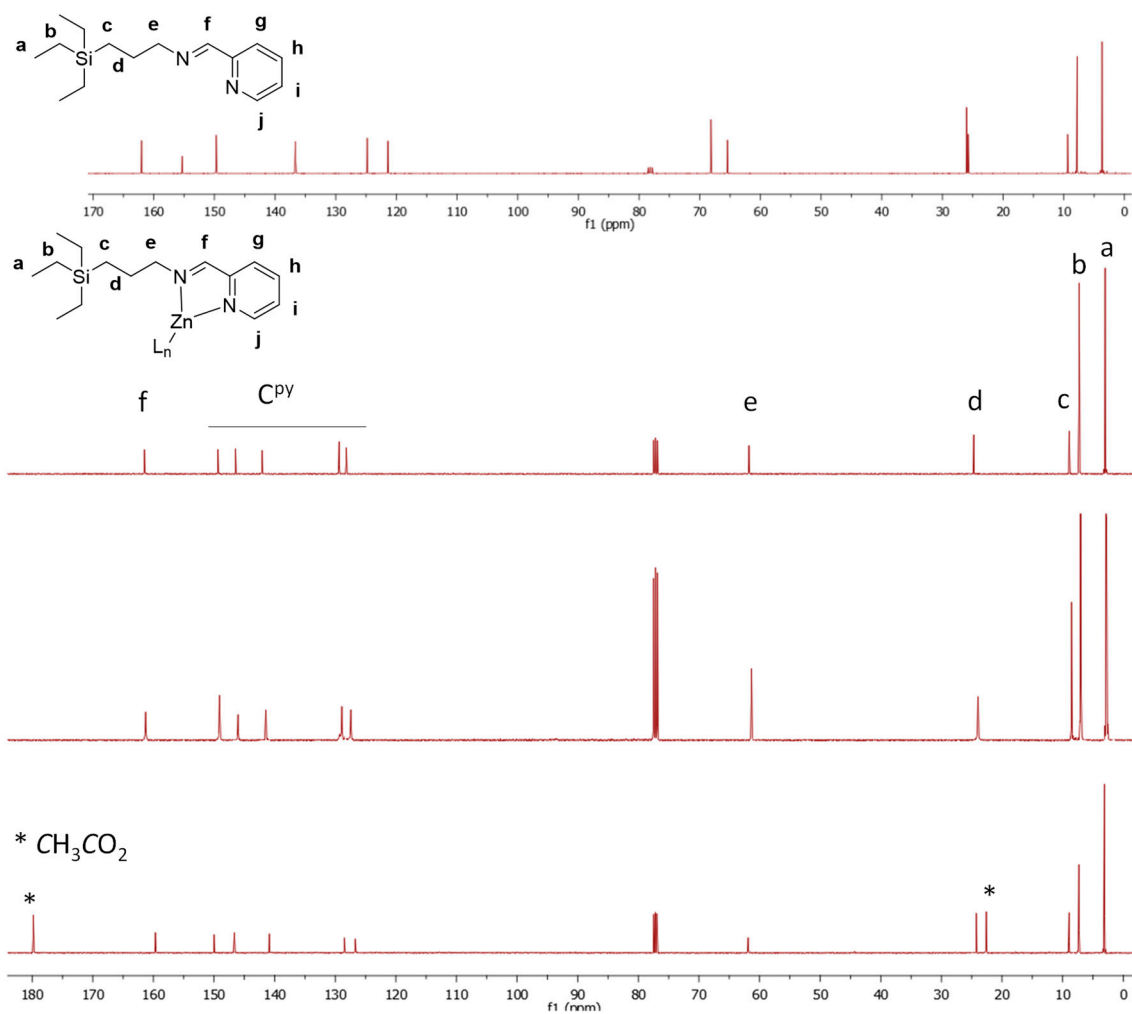
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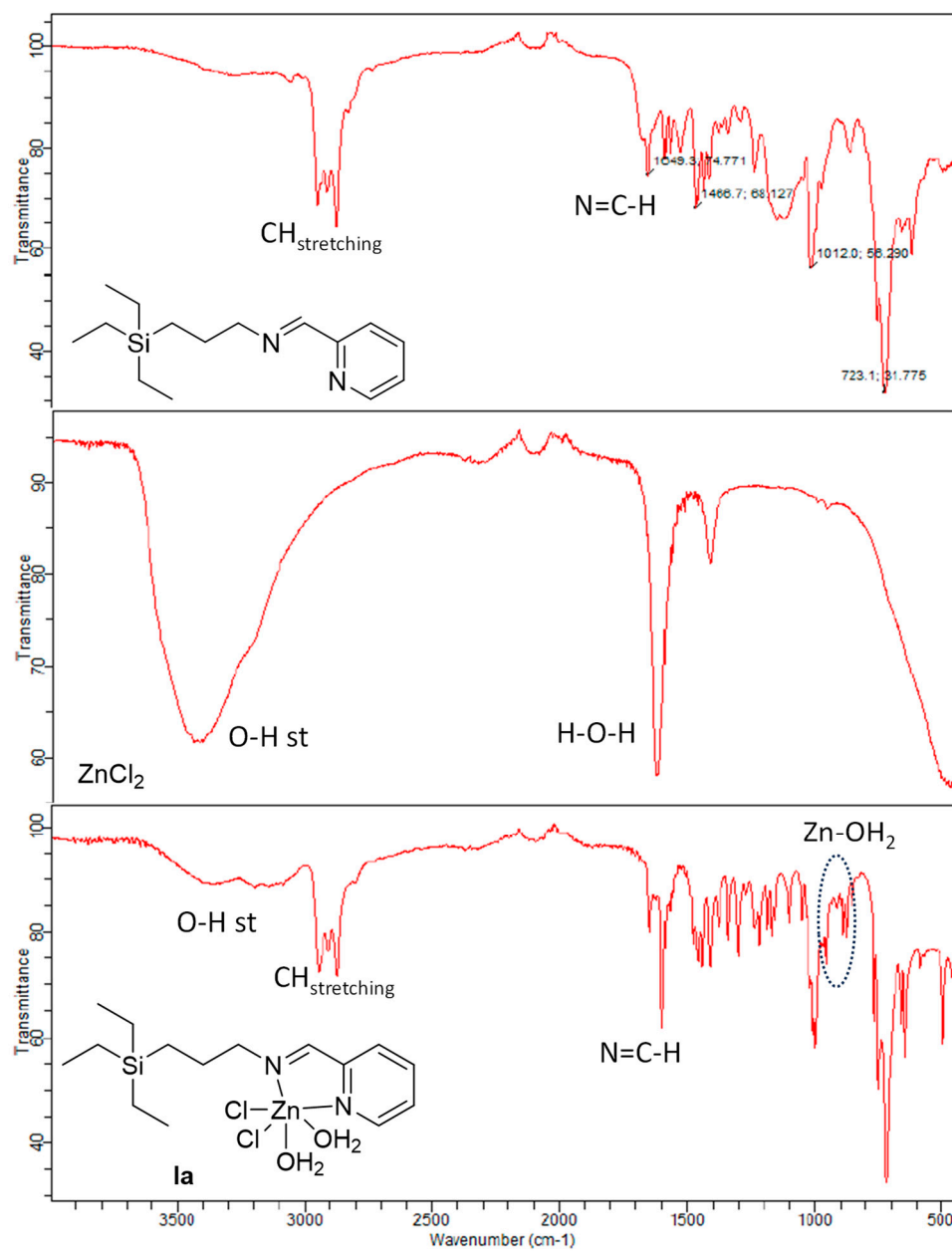
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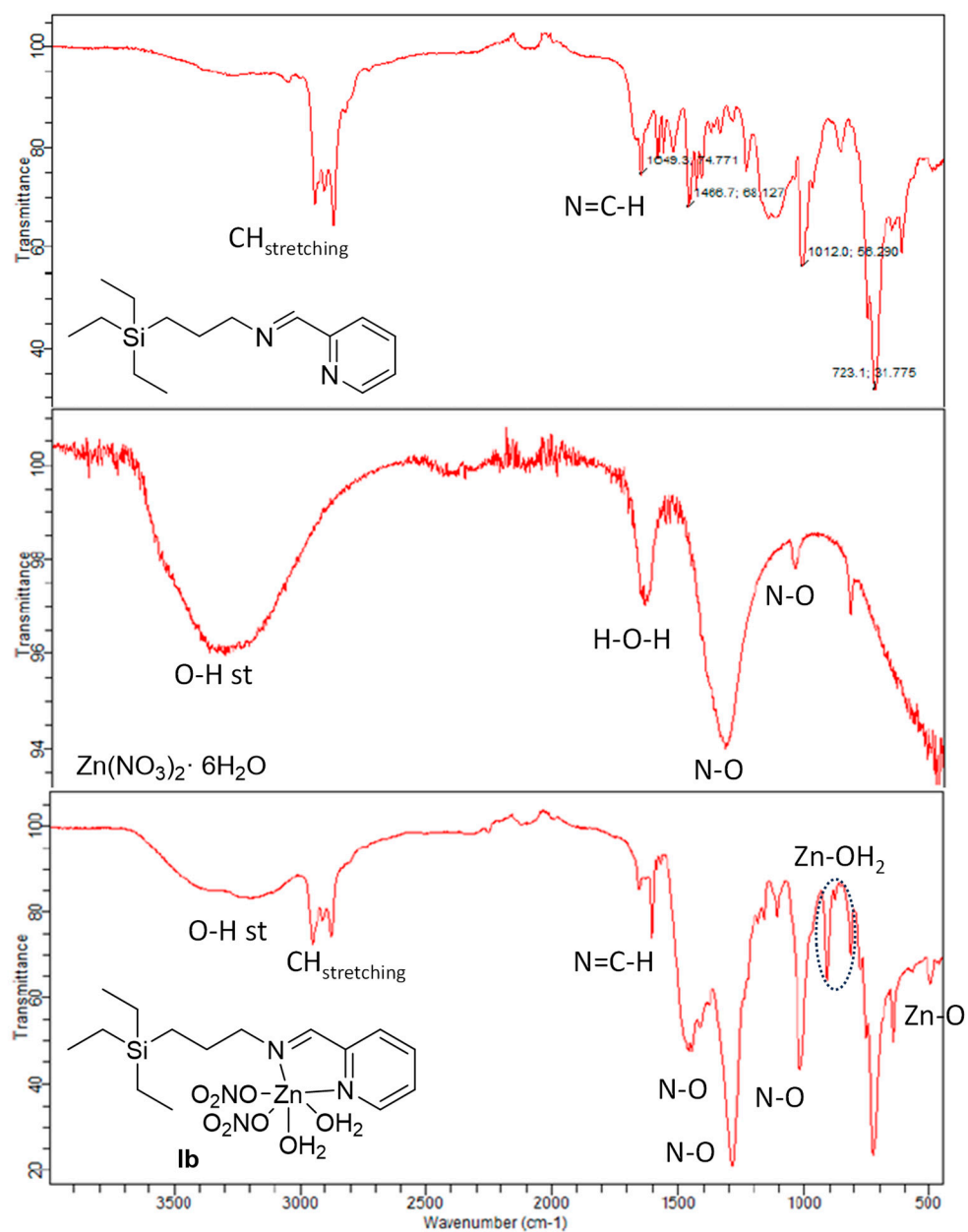
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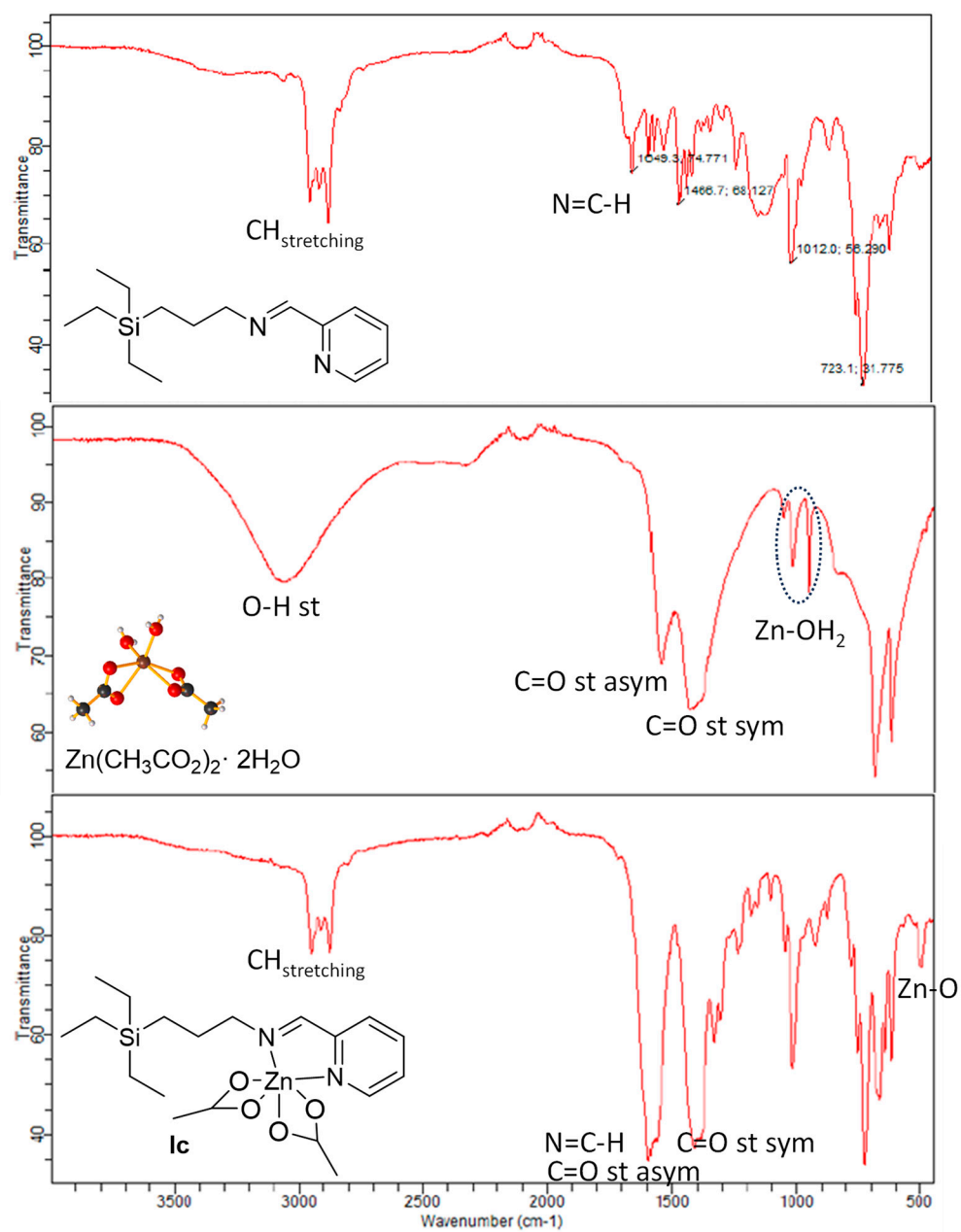
**Figure S1.**  $^{13}\text{C}$ -NMR spectra of compounds **I**, **Ia**, **Ib** and **Ic** (from top to bottom) in  $\text{CDCl}_3$ .



**Figure S2.** FTIR of compound **I** (top),  $\text{ZnCl}_2$  (middle) and **Ia** (bottom).



**Figure S3.** FTIR of compound **I** (top),  $\text{Zn}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$  (middle) and **Ib** (bottom).



**Figure S4.** FTIR of compound **I** (top), Zn(acet)<sub>2</sub>·2H<sub>2</sub>O (middle) and **Ic** (bottom).

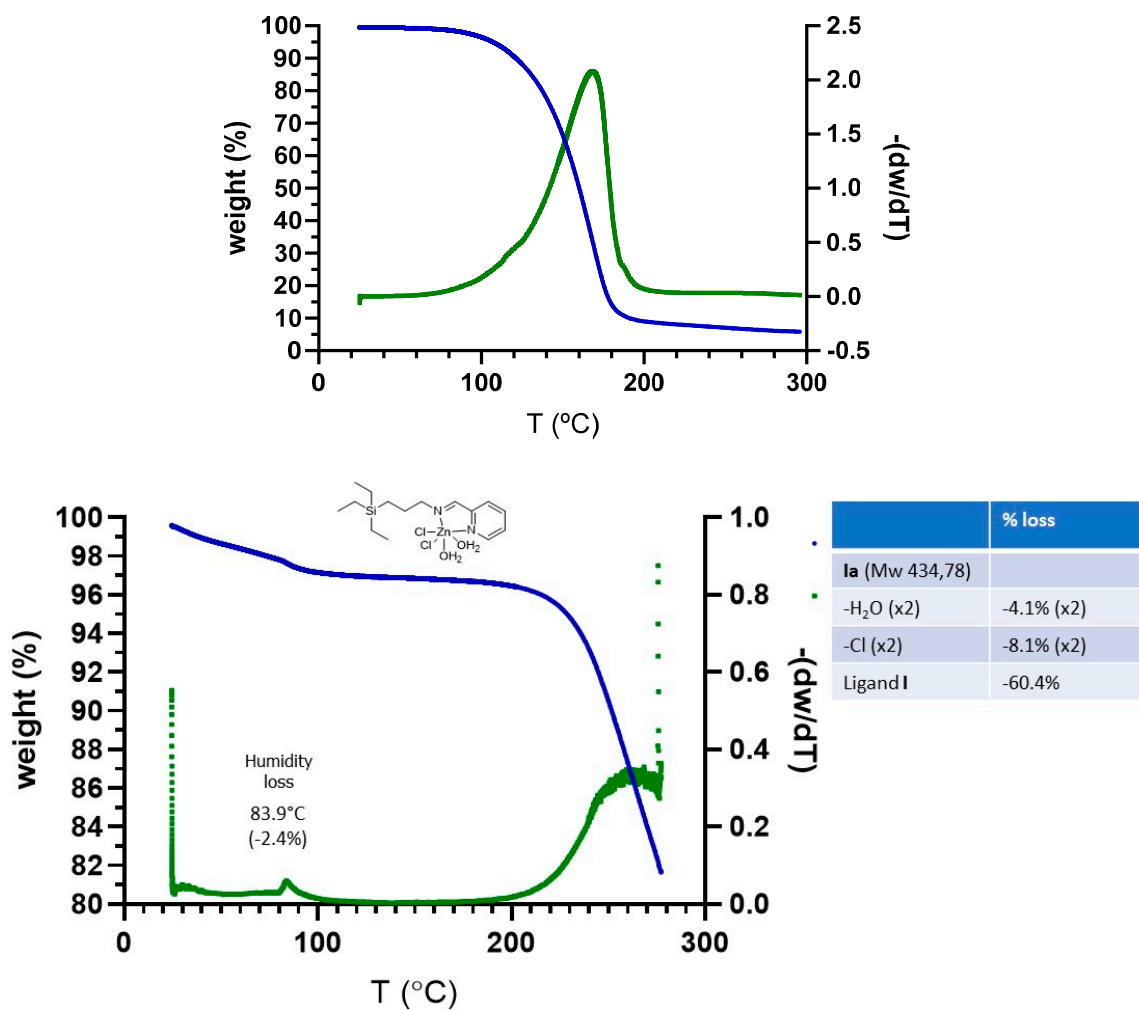


Figure S5. Comparative TGA curves of compound I (top) and Ia (bottom), including table with predicted decomposition steps.

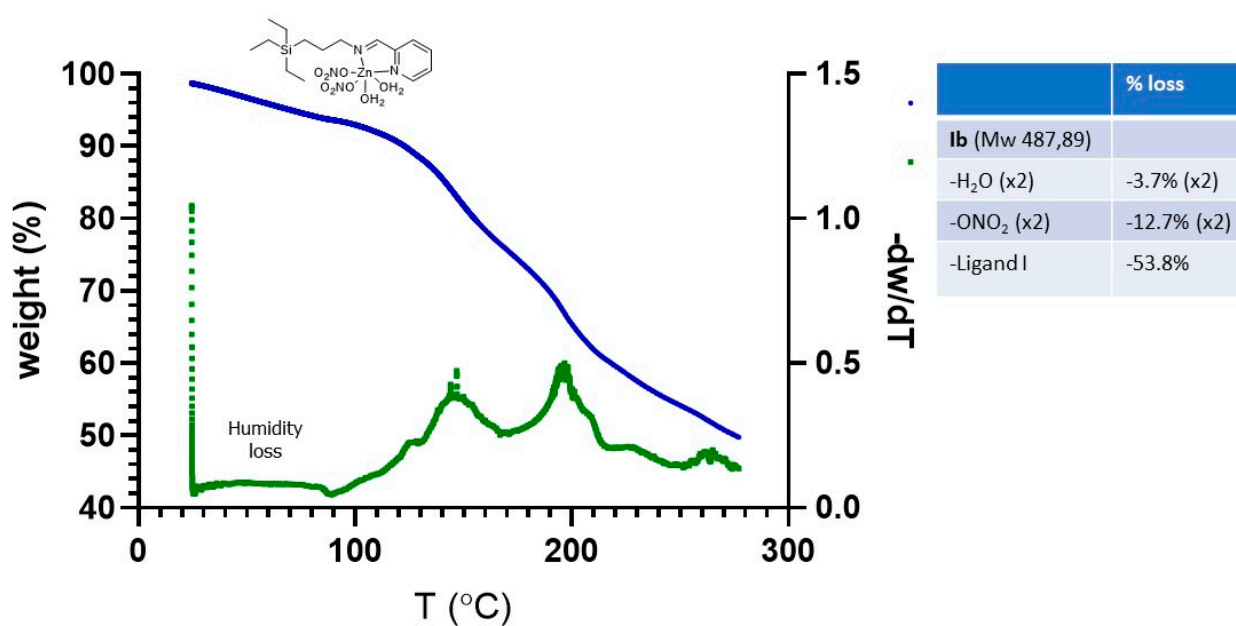
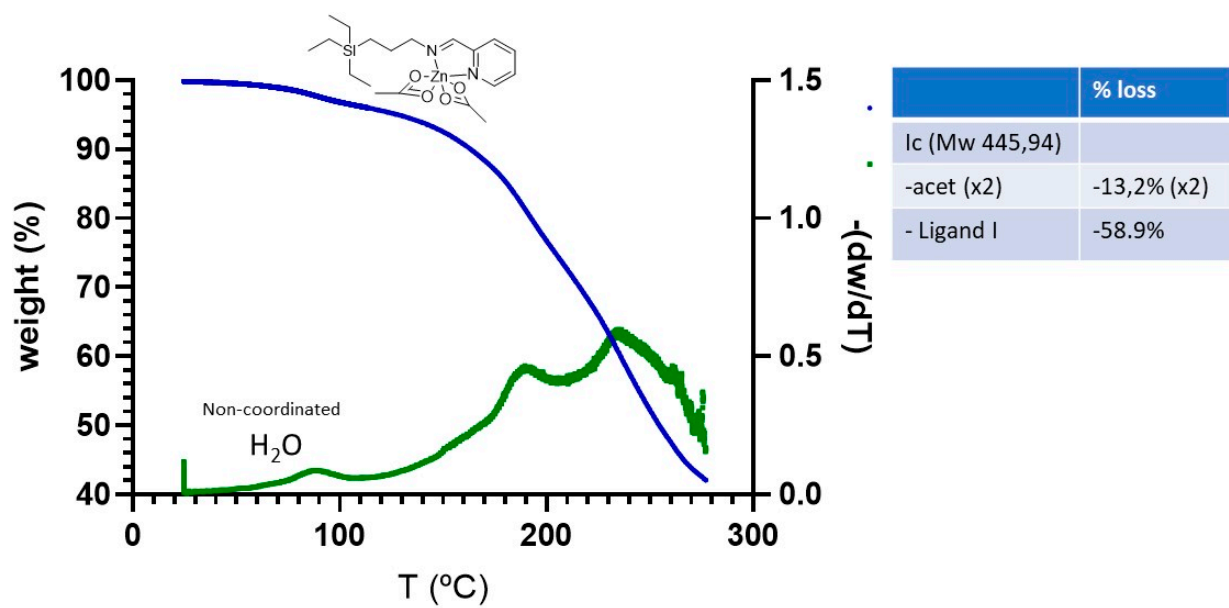
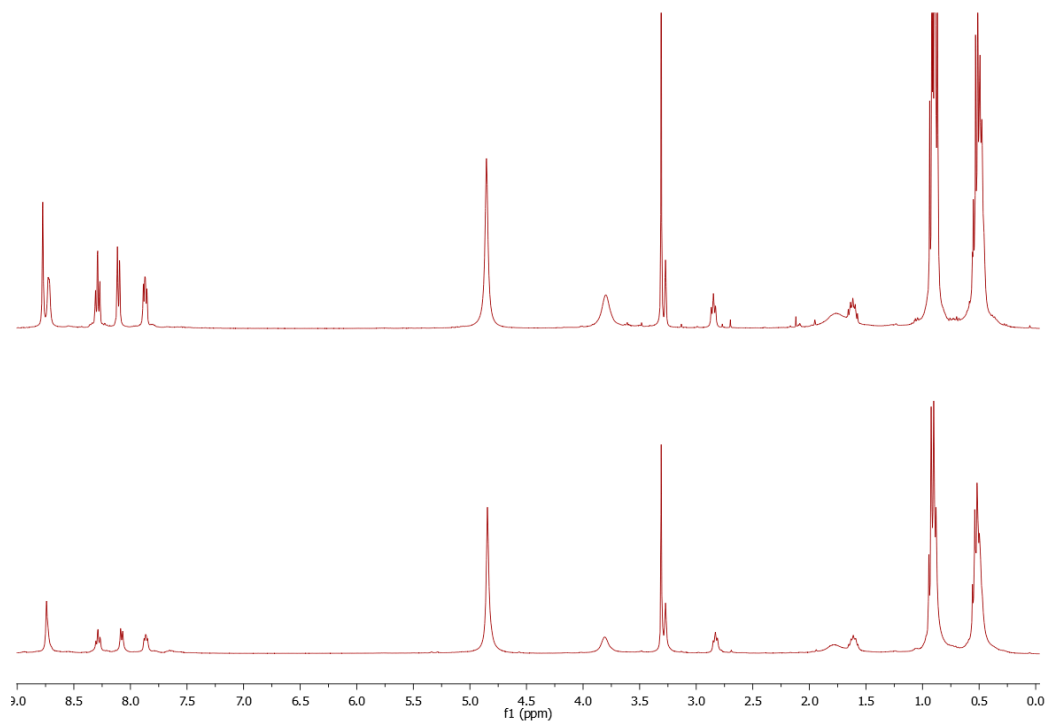


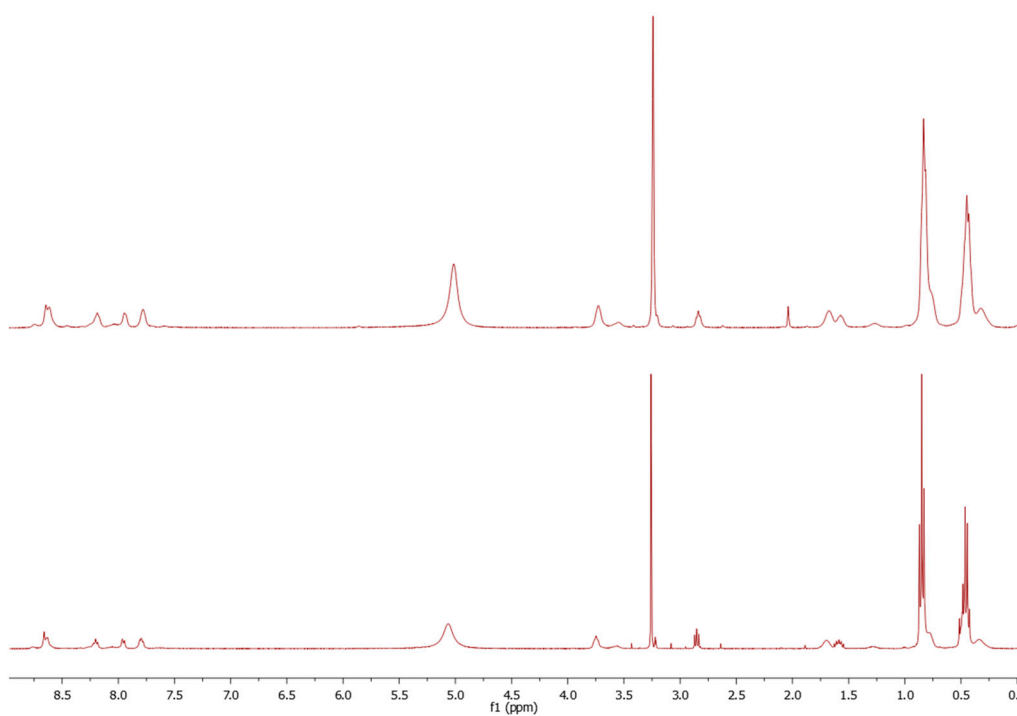
Figure S6. TGA of compound Ib, including table with predicted decomposition steps.



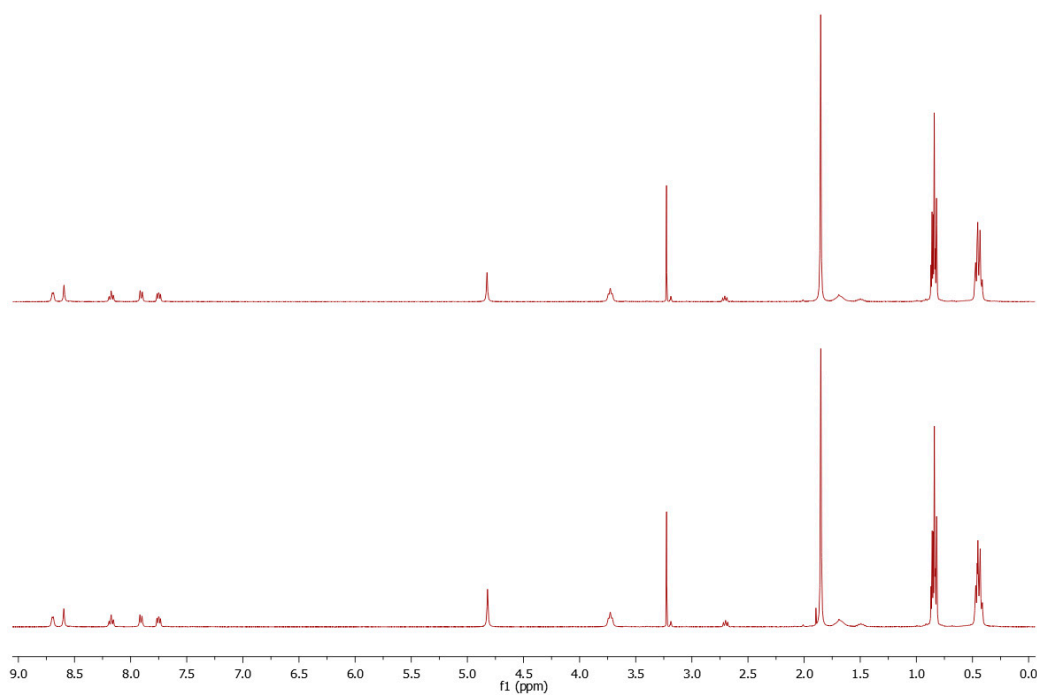
**Figure S7.** TGA of compound **Ic**, including table with predicted decomposition steps.



**Figure S8.** <sup>1</sup>H-NMR spectra of compound **Ia** at  $t=0$  (top) and  $t=7$  days (bottom) in MeOD.



**Figure S9.**  $^1\text{H}$ -NMR spectra of compound **Ib** at  $t=0$  (top) and  $t=7\text{days}$  (bottom) in MeOD.



**Figure S10.**  $^1\text{H}$ -NMR spectra of compound **Ic** at  $t=0$  (top) and  $t=7\text{days}$  (bottom) in MeOD.



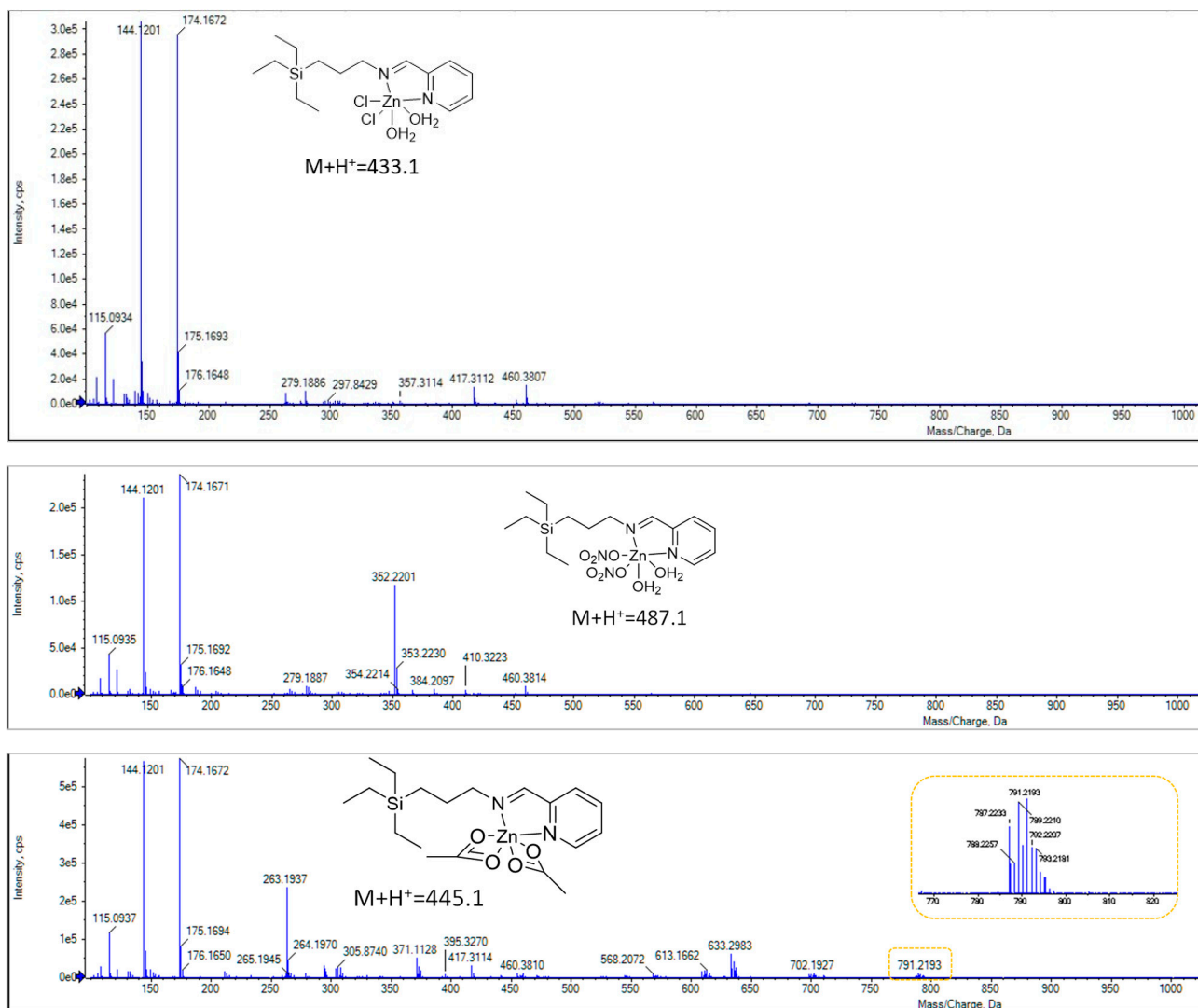


Figure S11. HRMS spectra of compounds Ia, Ib and Ic.