^{1}H NMR Spectra of SC4A, STC4A, MVAd^{2+}, and MVNp^{2+} in D_2O:

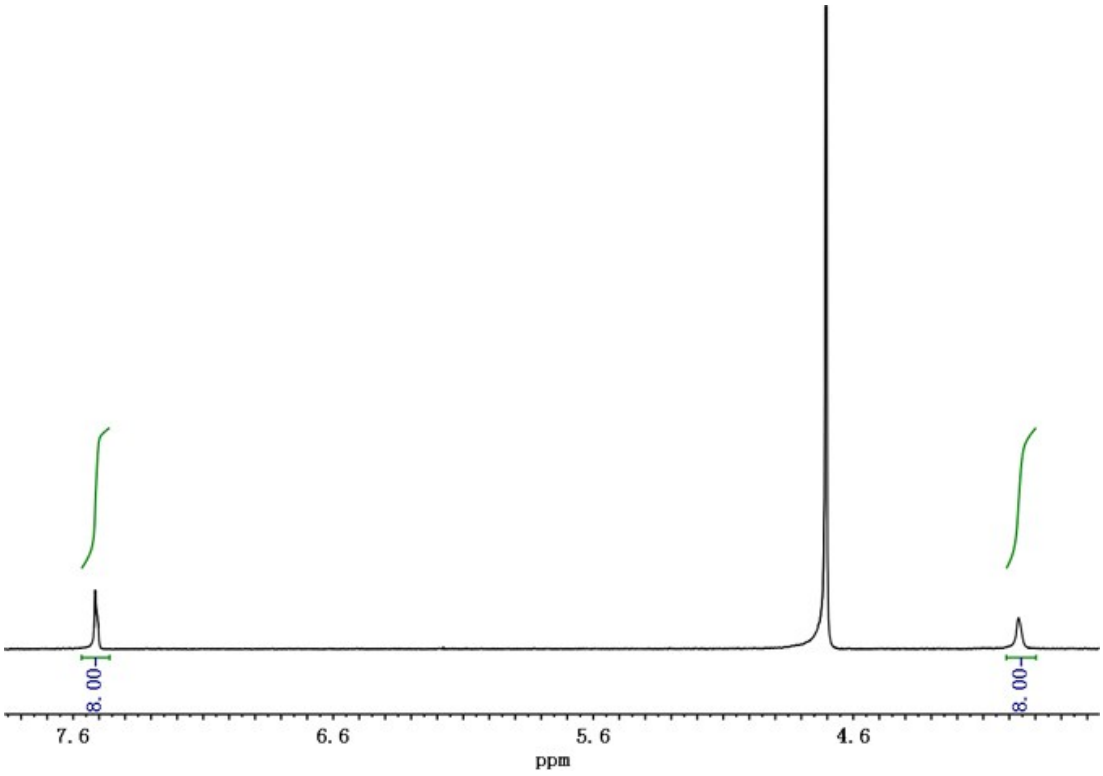

Figure S1. ^{1}H NMR spectrum of SC4A in D_2O.

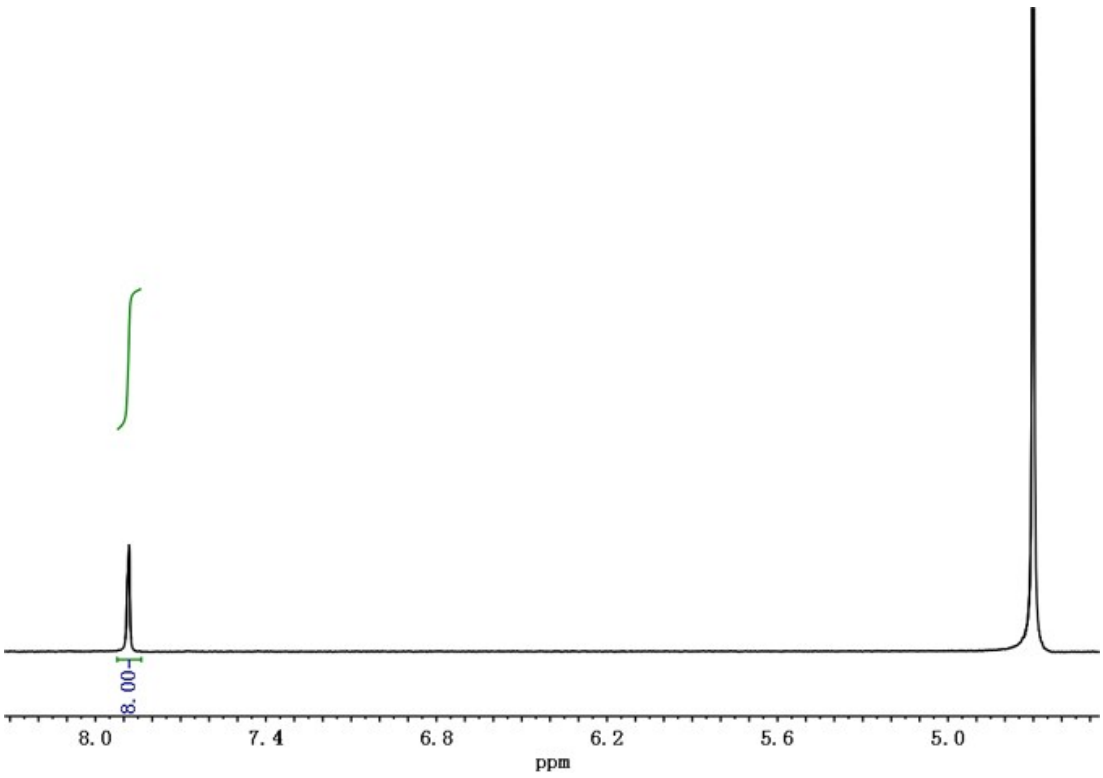

Figure S2. ^{1}H NMR spectrum of STC4A in D_2O.

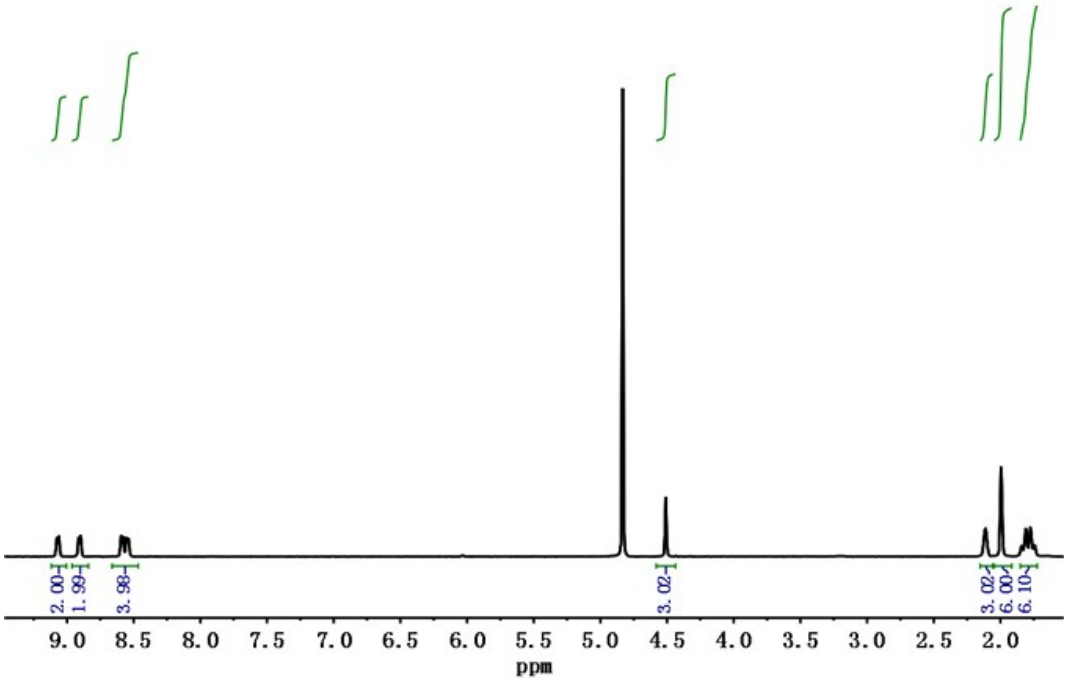

Figure S3. ^{1}H NMR spectrum of $MVAd^{2+}$ in D_2O.

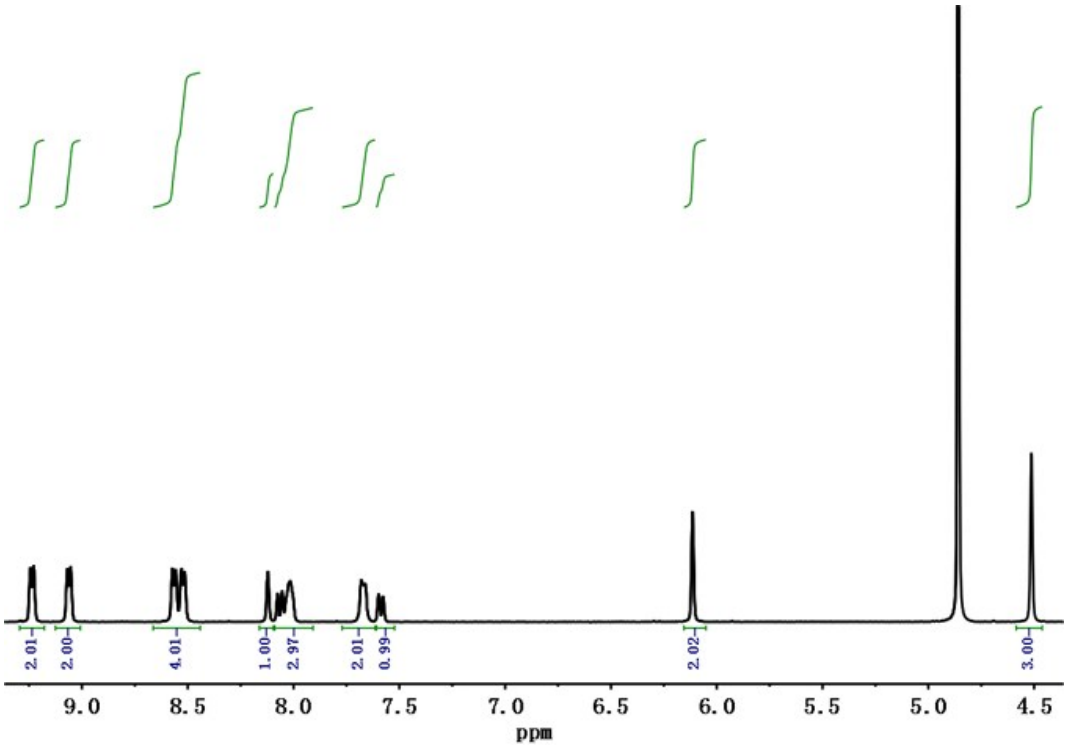

Figure S4. ^{1}H NMR spectrum of $MVNp^{2+}$ in D_2O.

^{13}C NMR Spectra of SC4A, STC4A, $MVAd^{2+}$, and $MVNp^{2+}$ in D_2O:

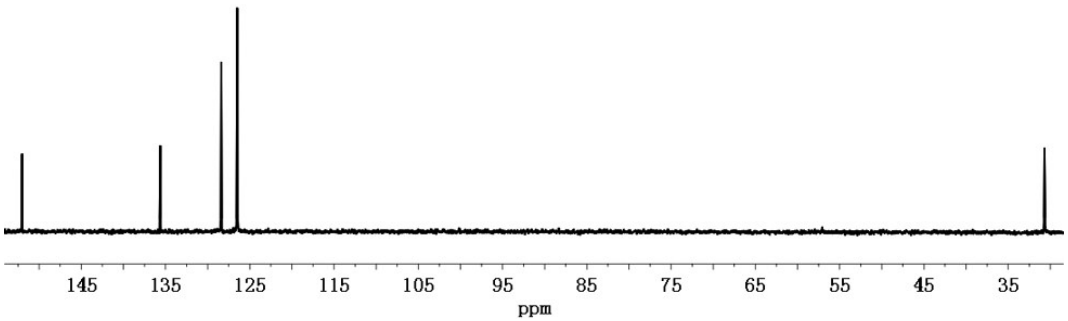

Figure S5. ^{13}C NMR spectrum of SC4A in D_2O.

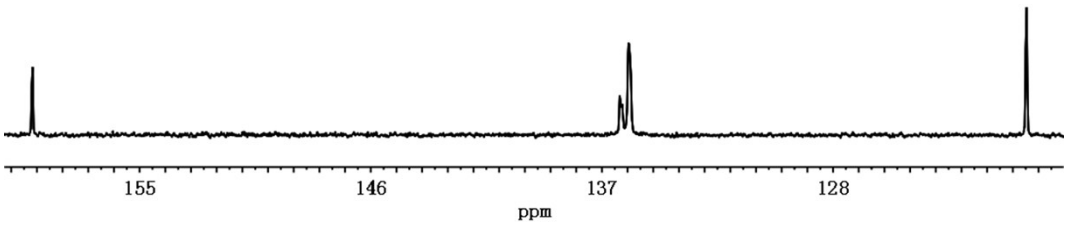

Figure S6. ^{13}C NMR spectrum of STC4A in D_2O.

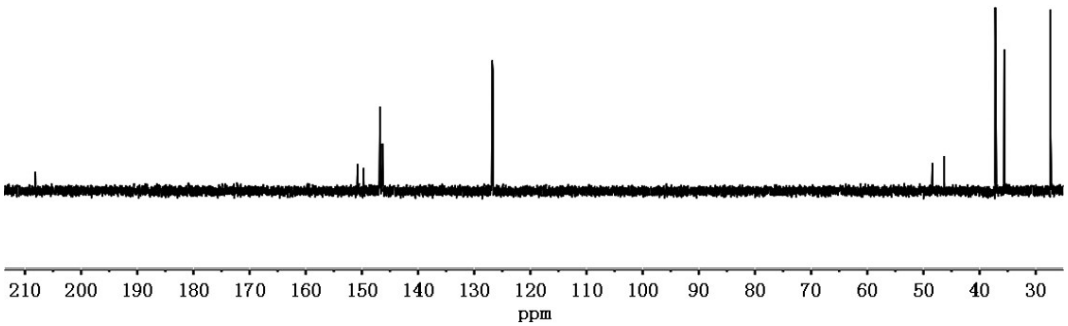

Figure S7. ^{13}C NMR spectrum of $MVAd^{2+}$ in D_2O.

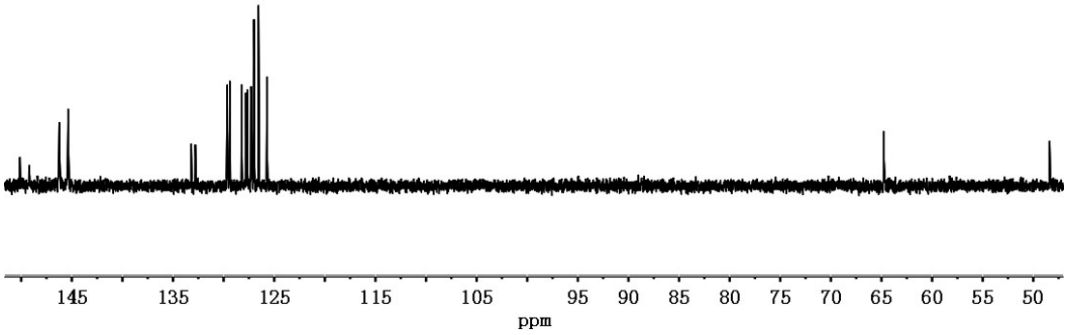

Figure S8. ^{13}C NMR spectrum of $MVNp^{2+}$ in D_2O.

Elemental Analysis Data of SC4A, STC4A, $MVAd^{2+}$, and $MVNp^{2+}$:

Anal. Calcd (%) for $C_{28}H_{20}O_{16}S_4Na_4 \bullet 8H_2O$ ($SC4A \bullet 8H_2O$): C, 34.43; H, 3.71. Found (%): C, 34.21; H, 4.01.

Anal. Calcd (%) for $C_{24}H_{12}O_{16}S_8Na_4 \bullet 6H_2O$ ($STC4A \bullet 6H_2O$): C, 28.46; H, 2.39. Found (%): C, 28.23; H, 2.68.

Anal. Calcd (%) for $C_{23}H_{28}ON_2^{2+} \bullet 2Br^- \bullet 3H_2O$ ($MVAd^{2+} \bullet 2Br^- \bullet 3H_2O$): C, 49.12; H, 6.09. Found (%): C, 49.33; H, 6.38.

Anal. Calcd (%) for $C_{22}H_{20}N_2^{2+} \bullet Br^- \bullet I^- \bullet 2H_2O$ ($MVNp^{2+} \bullet Br^- \bullet I^- \bullet 2H_2O$): C, 47.59; H, 4.36. Found (%): C, 47.73; H, 4.52.