Supplementary Material For

Effect of Oxycations in Clay Mineral on Adsorption—Vanadyl Exchange Bentonites and Their Ability for Amiloride Removal

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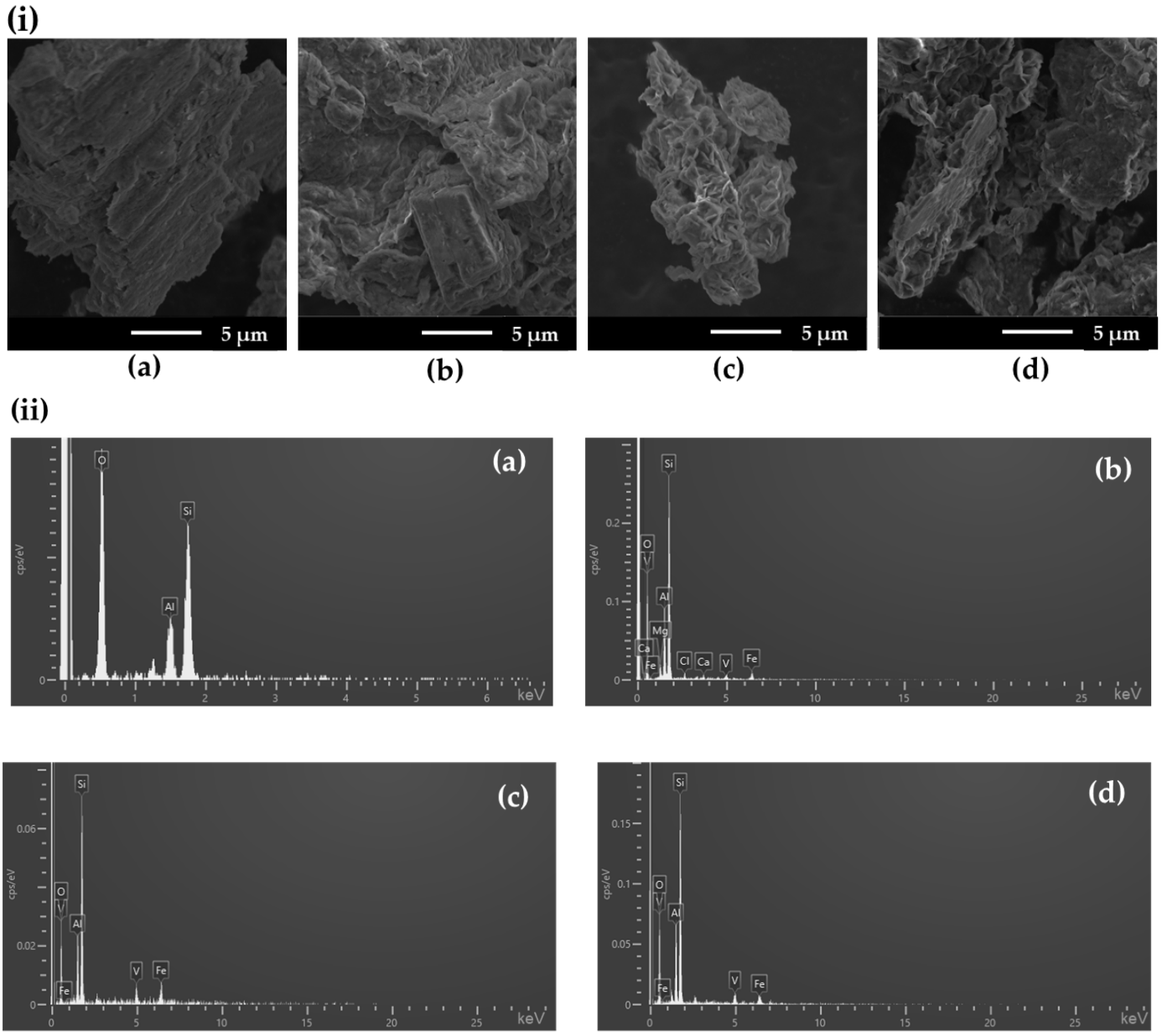


Figure S1. (i) SEM images and (ii) EDX spectra for (a) Na^+-Bent/Amil, (b) BentV1/Amil, (c) BentV3/Amil and (d) BentV5/Amil.

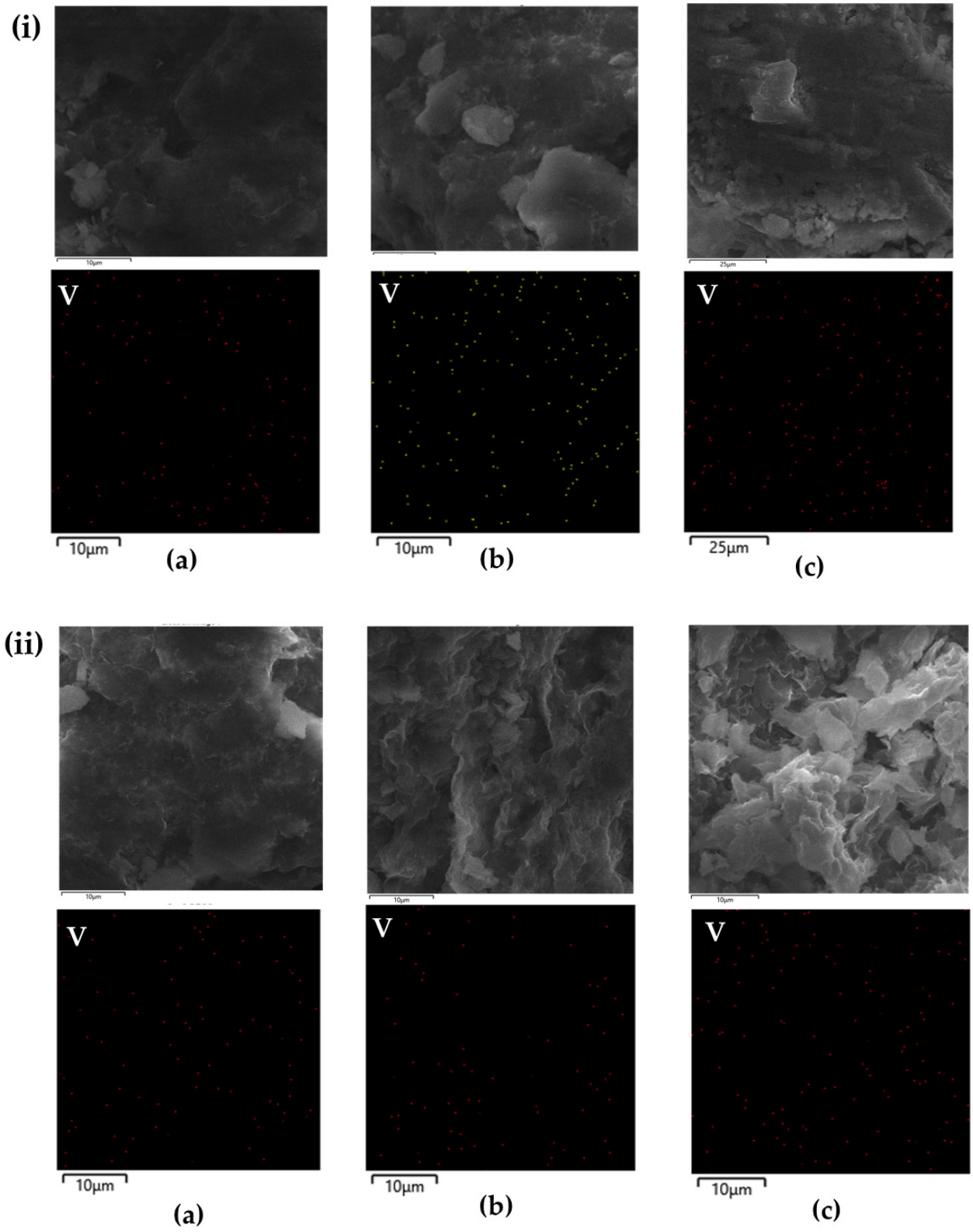


Figure S2. Vanadium mapping (i) before and (ii) after interaction with amiloride, of the (a) BentV1, (b) BentV3 and (c) BentV5,.

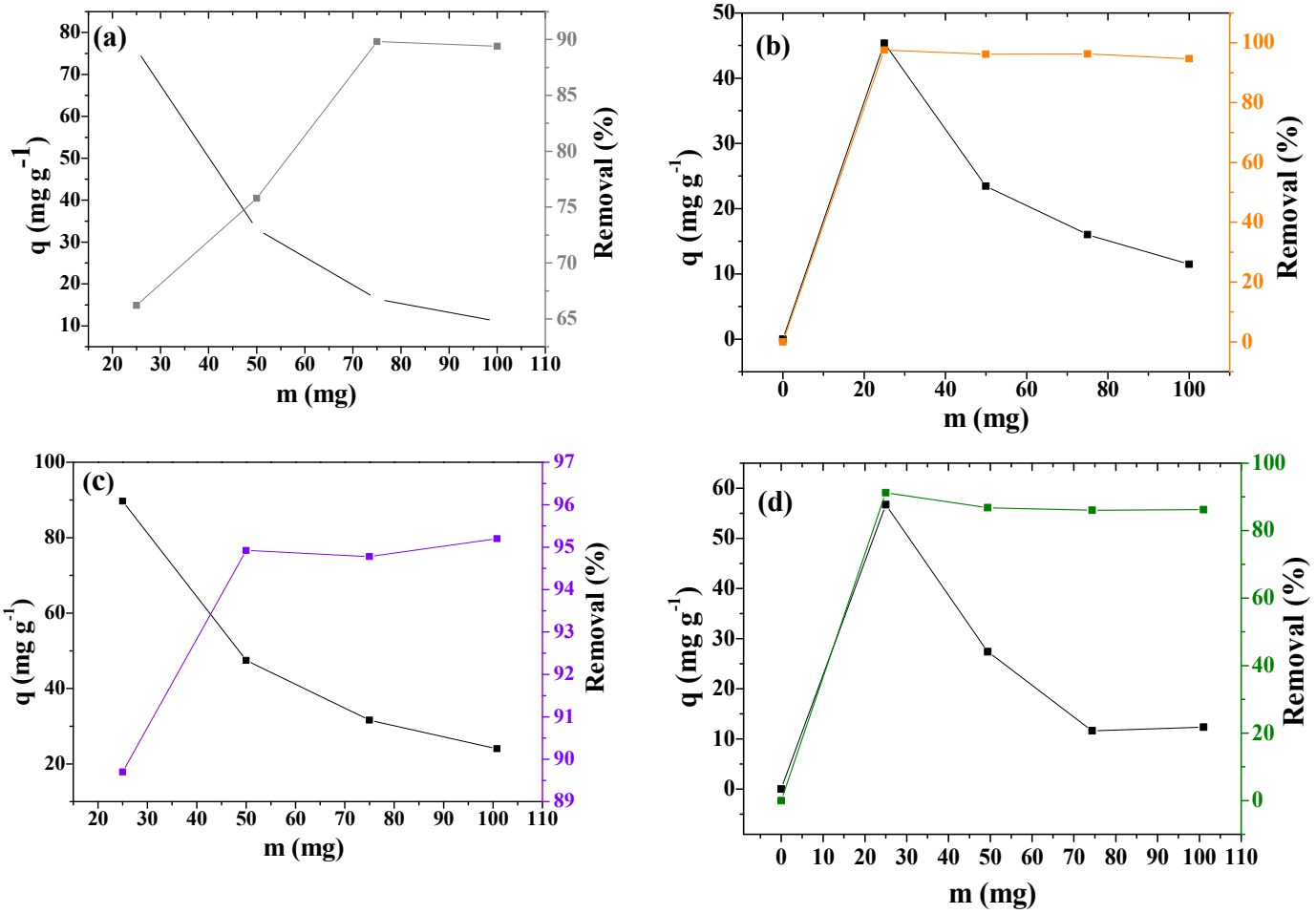


Figure S3. Effect of the adsorbent dosage (m) in the amiloride for amiloride adsorption on (a) Na^+-Bent, (b) BentV1, (c) BentV3 and (d) BentV5 at 30 °C and pH 5.8.

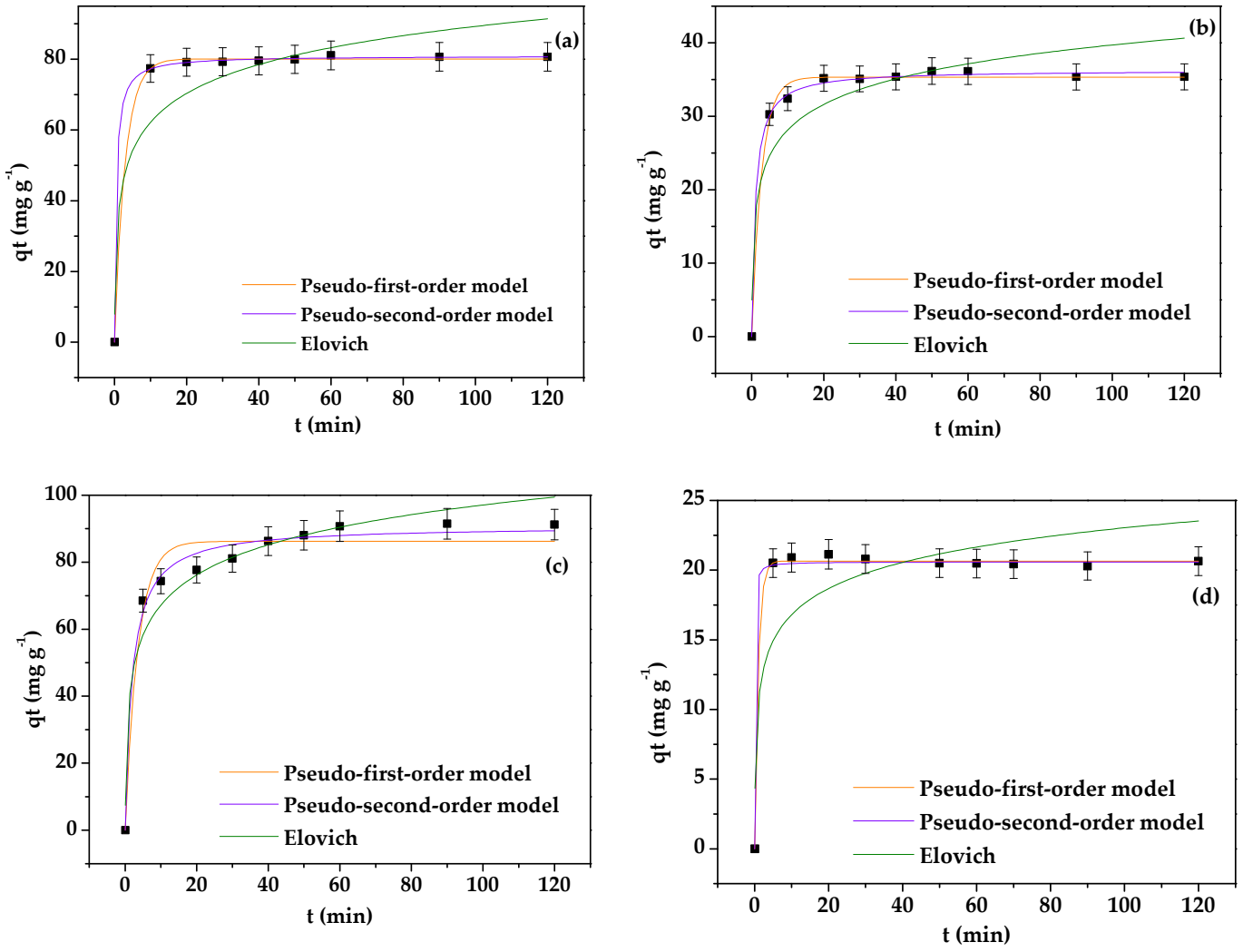


Figure S4. Effect of the time and their fitting to the pseudo-first-order, pseudo-second-order and Elovich models for amiloride adsorption on (a) Na^+-Bent, (b) BentV1, (c) BentV3 and (d) BentV5 at 30 °C and pH 5.8.