

Elucidating the nature of Mo species on ZSM-5 and its role in the methane aromatization reaction

Angeles Lopez-Martin, Francisco Platero, Gerardo Colon, Alfonso Caballero

Instituto de Ciencia de Materiales de Sevilla (CSIC-University of Seville) and Departamento de Quimica Inorganica. University of Seville. Av. Americo Vespucio, 49; 41092 Seville, Spain

E-mail: caballero@us.es

Figures

Figure S1. Profiles obtained by subtraction of TPRs of Mo/ZSM-5 catalysts.

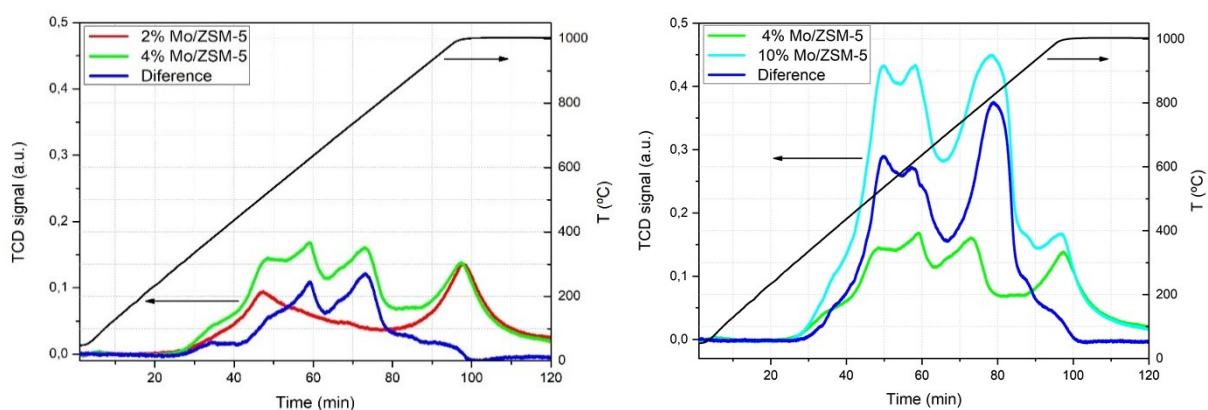


Figure S2. HAADF-STEM images of the ZSM-5 support.

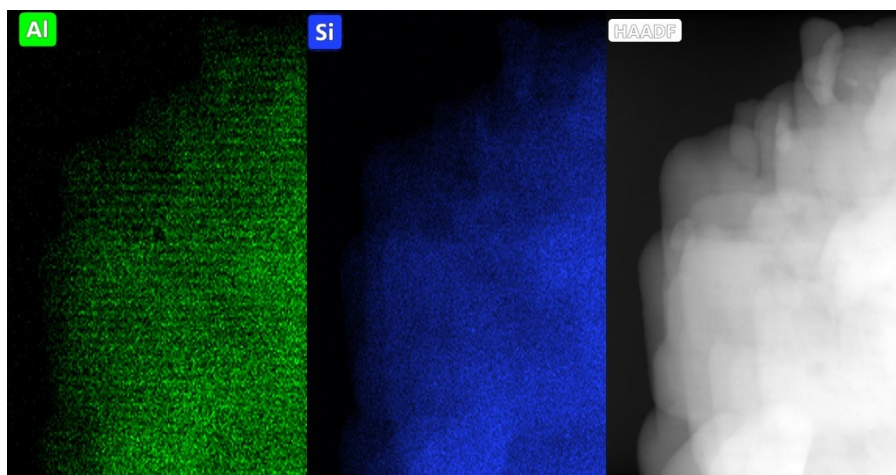


Figure S3. TPR profile of a 4% Mo/Al₂O₃ catalyst.

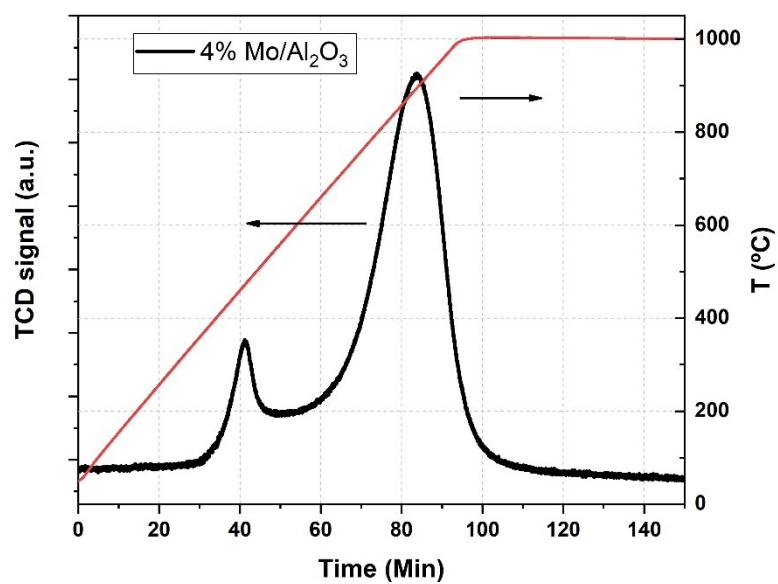


Figure S4. XRD patterns for ZSM-5 systems

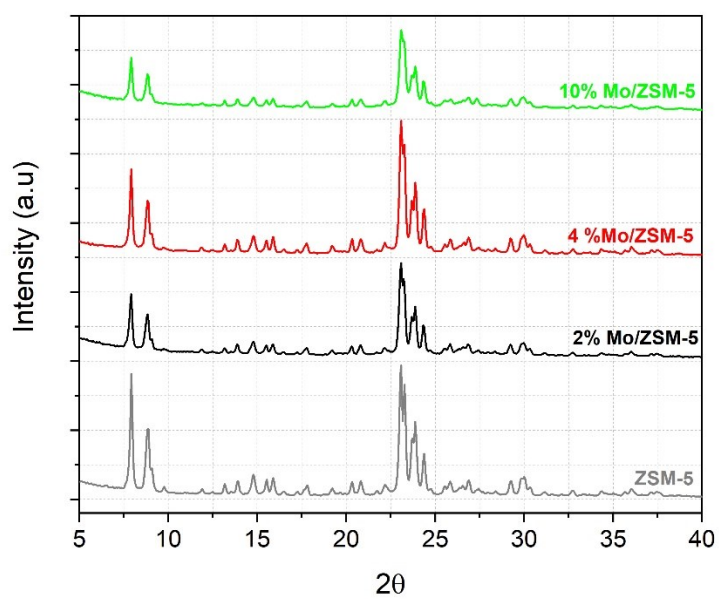


Figure S5. DTG profiles of spent 4% and 10% Mo/ZSM-5 catalysts after DAM reaction.

