

Supplementary Materials

Microwave heating of the catalyst bed as a way of energy-saving oxidative dehydrogenation of ethane on a Mo-V-Te-Nb-Ox catalyst

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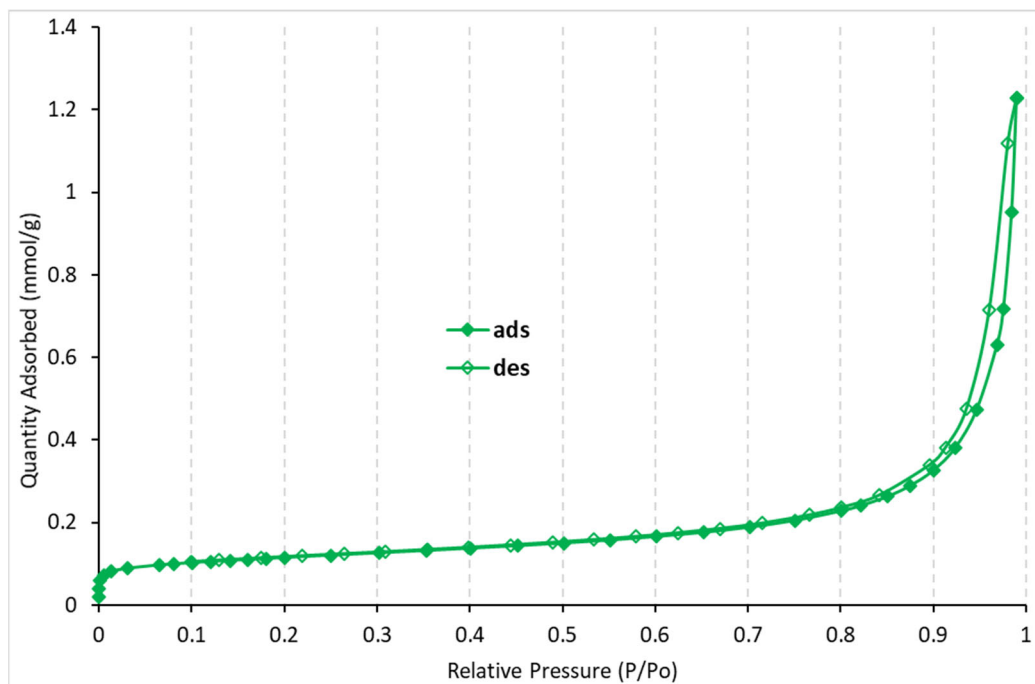


Figure S1. N₂ adsorption isotherms.

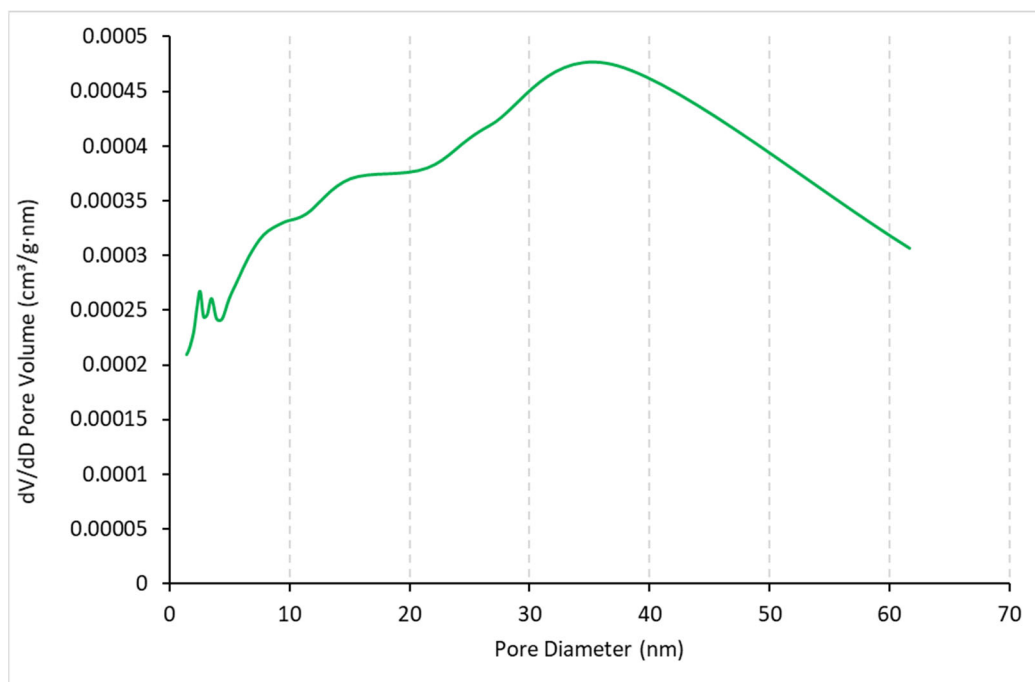


Figure S2. Mesopore size distribution for the Mo-V-Te-Nb-O catalyst (calculation by the BJH method, desorption branch of the isotherm).

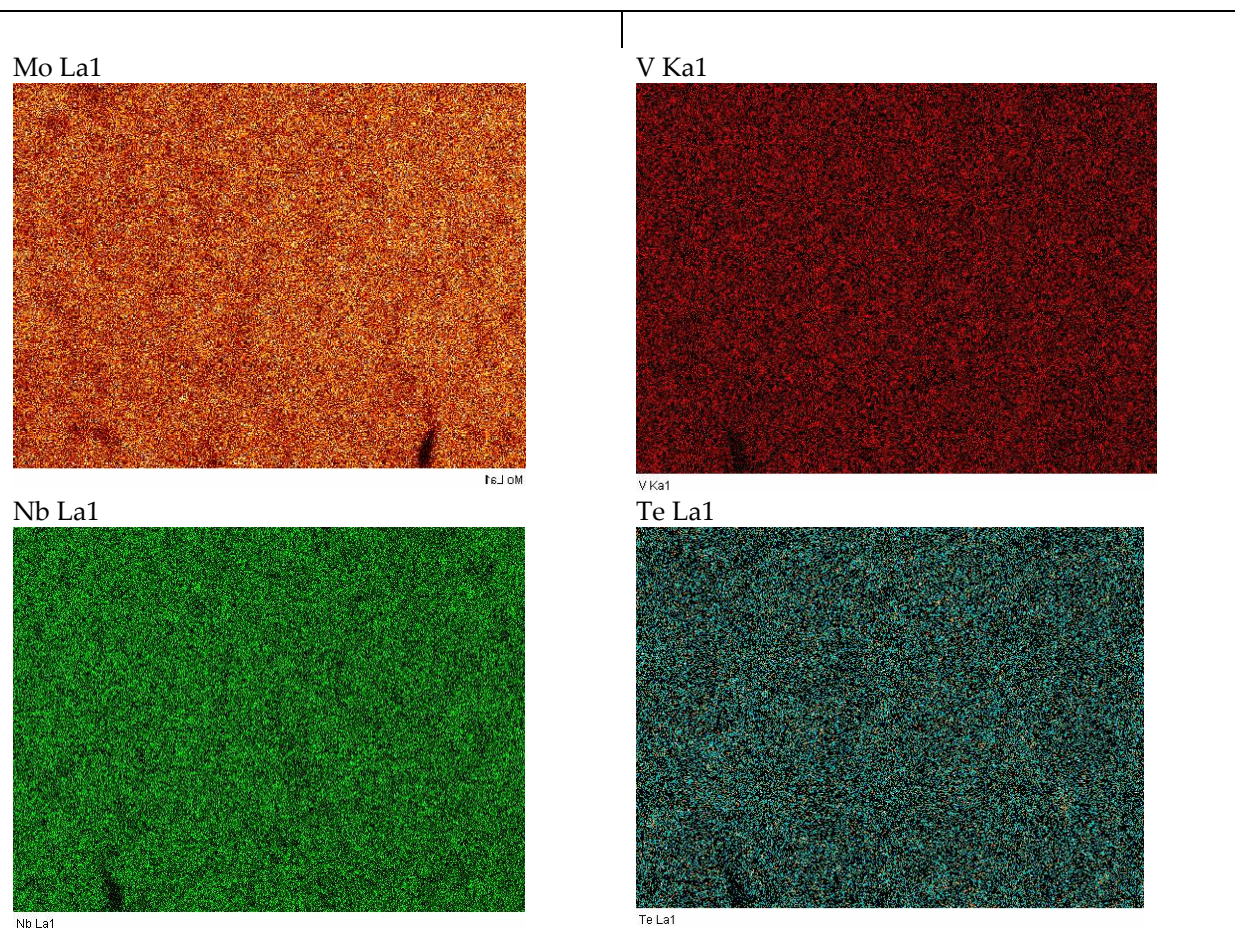


Figure S3. Elements distribution over the crystal phase in the Mo-V-Te-Nb-O catalyst (by EDX).

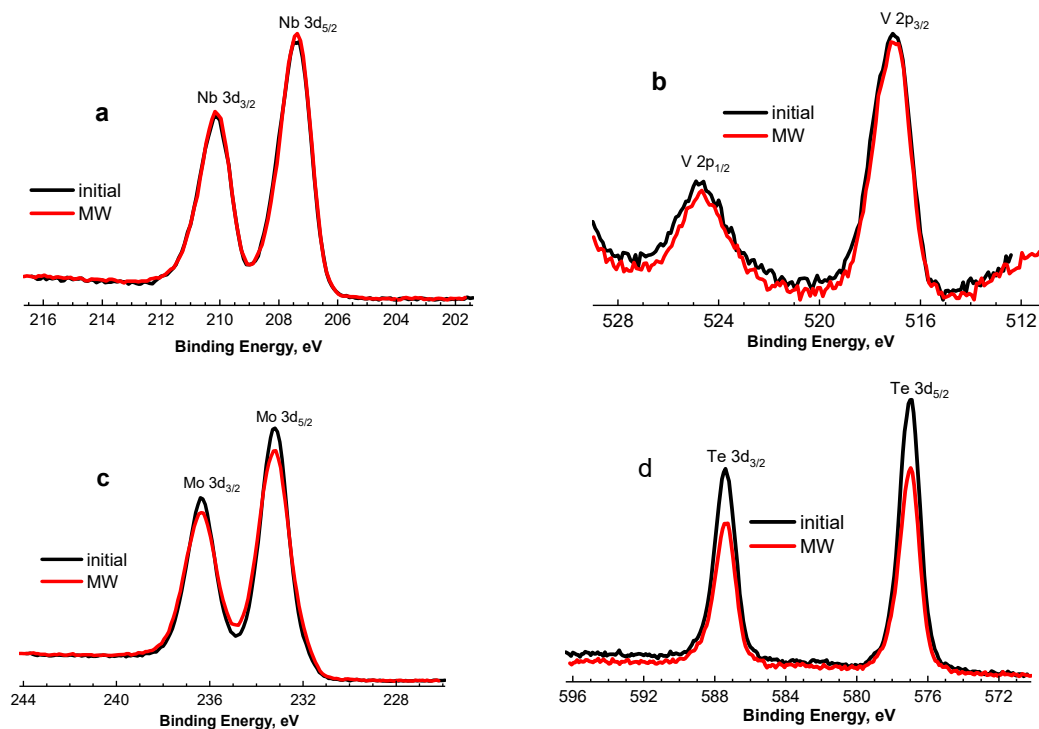


Figure S4. XPS of the MoVTenbO catalyst: Nb 3d (a), V 2p (b), Mo 3d (c) and Te 3d (d).