catalysts

MDPI

Supplementary information

Solvent Influence on Selectivity in α-Pinene Oxide Isomerization Using MoO_3-Modified Zeolite BETA

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1. SEM images

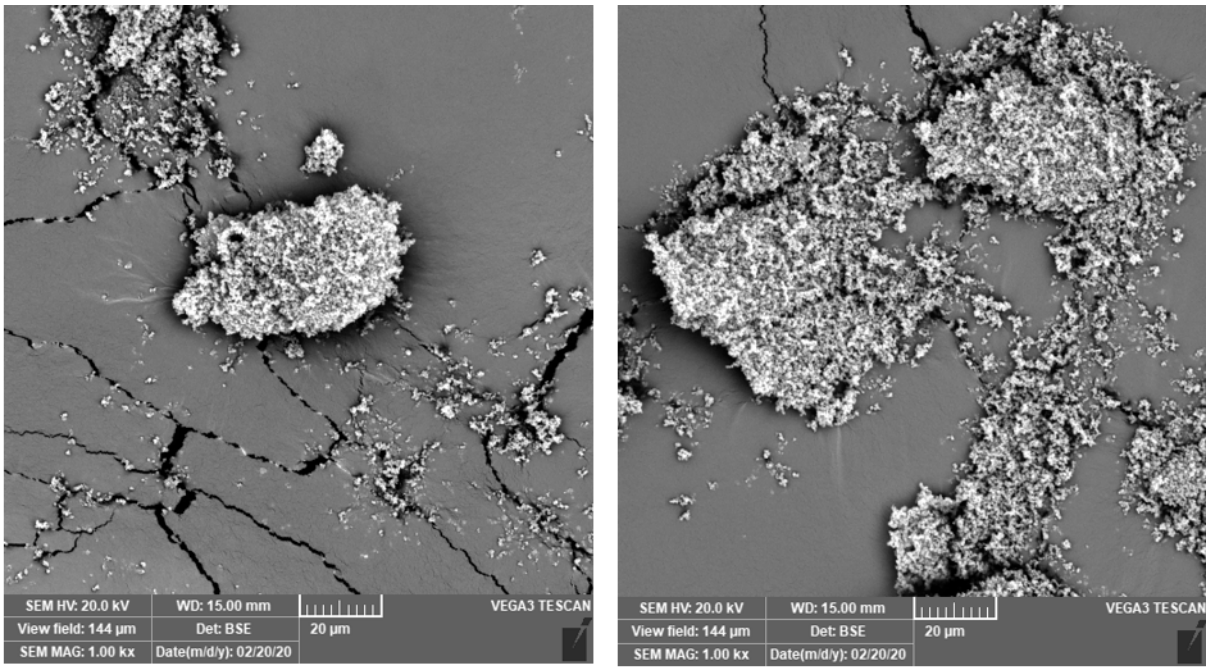

Figure S1. SEM images of BETA38.

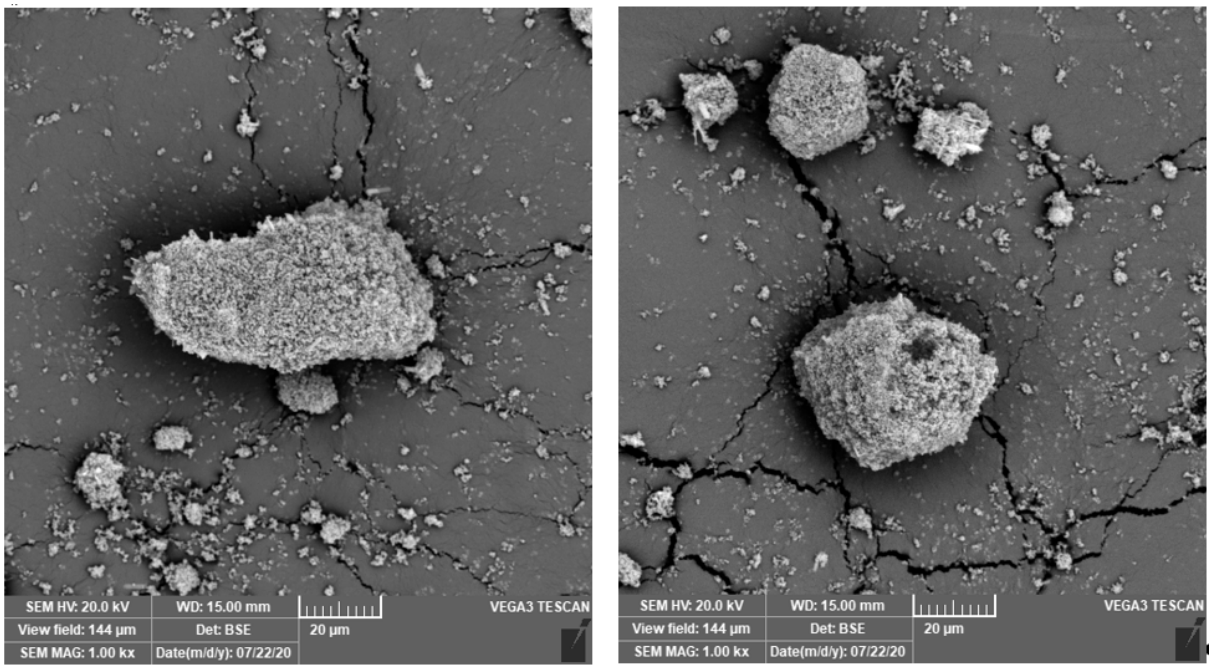

Figure S2. SEM images of 20Mo450.

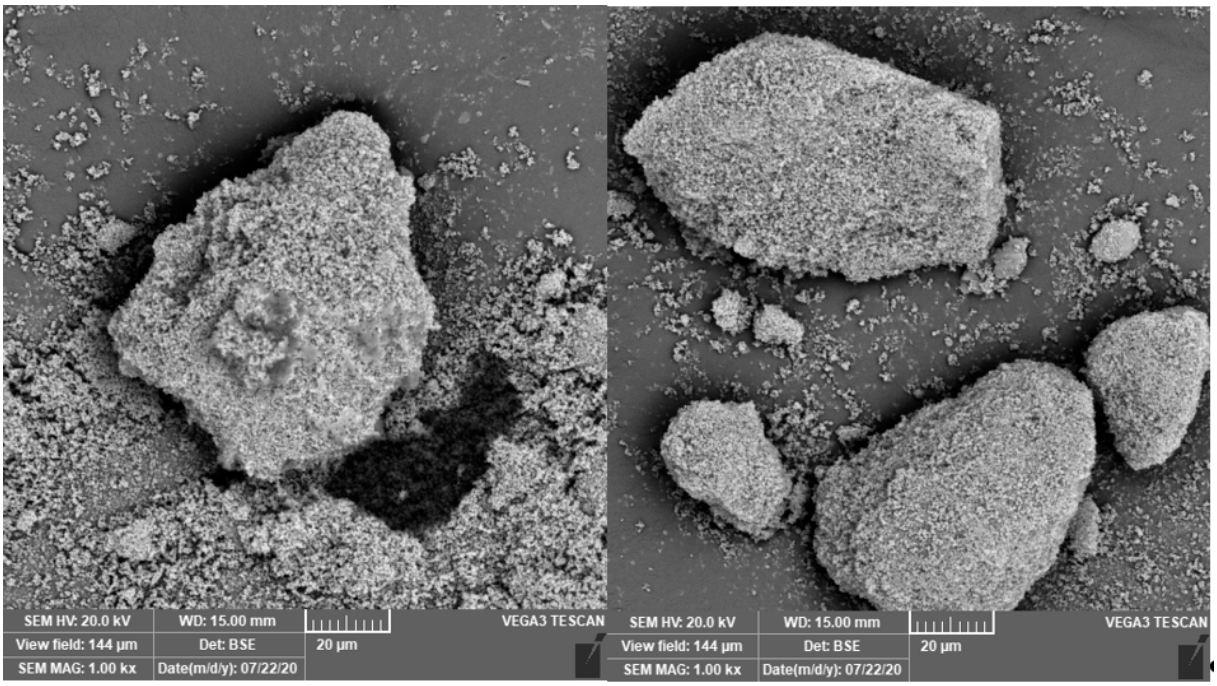

Figure S3. SEM images of 20Mo600.

2. Example of reaction course

PCY – *p*-cymene, APO –*α*-pinene oxide, CA – campholenic aldehyde, TCV – *trans*-carveol, PMD - *p*-methadien-2-ol, SOB – sobreol

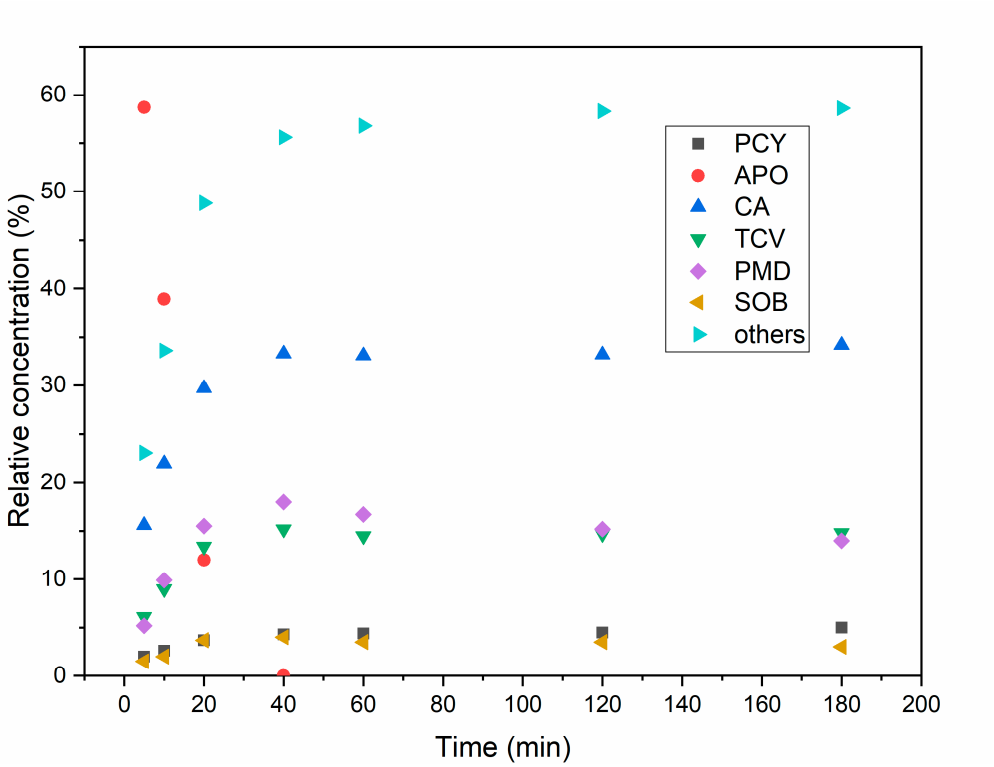

Figure S4. Reaction course using solvent toluene (catalyst 20Mo450, 70°C).

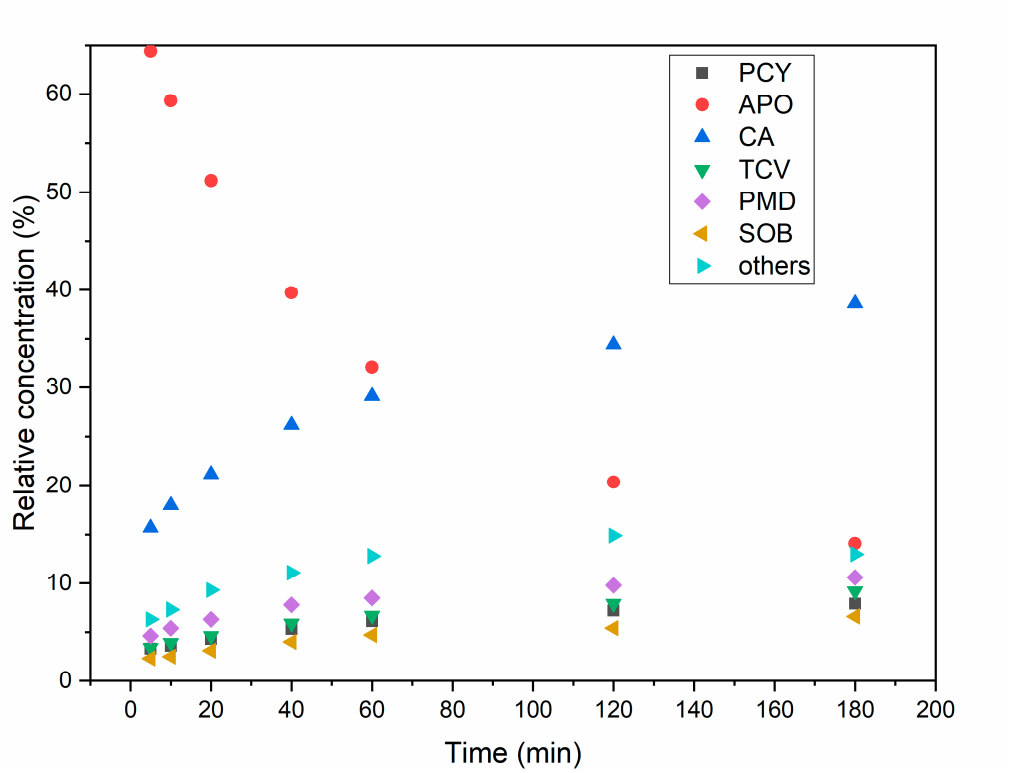

Figure S5. Reaction course using solvent nitromethane (catalyst 20Mo450, 70°C).

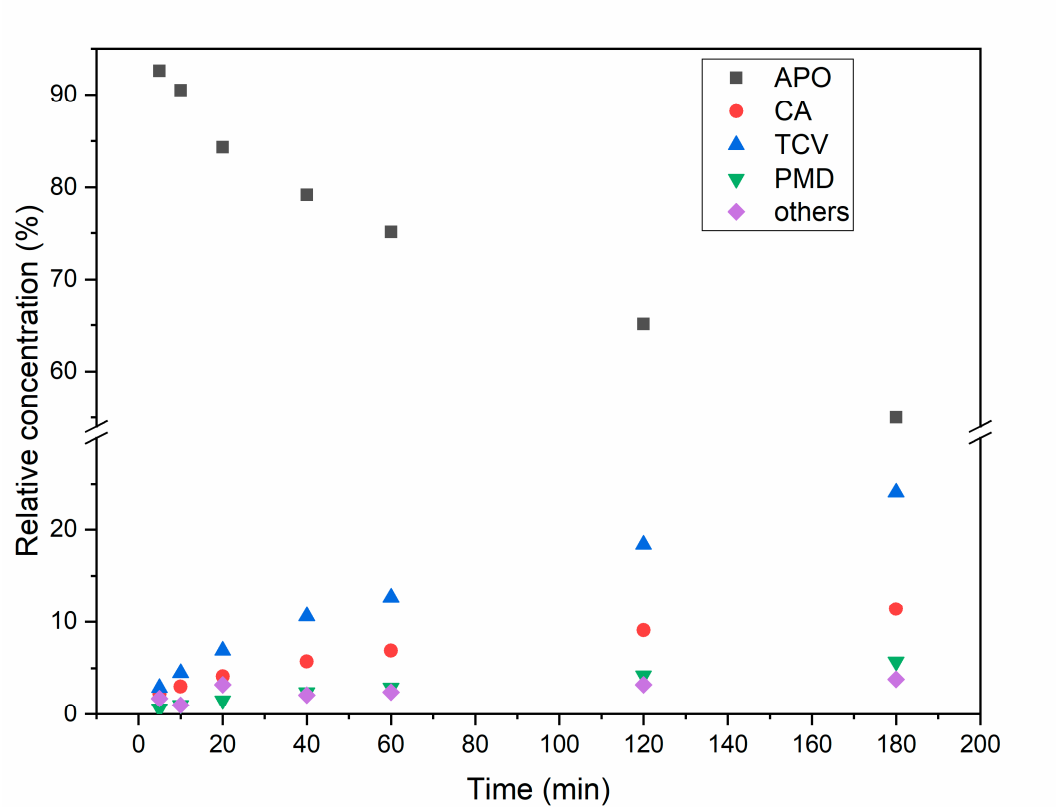

Figure S6. Reaction course using solvent dimethylsulfoxide (catalyst 20Mo450, 70°C).

3. Chromatogram

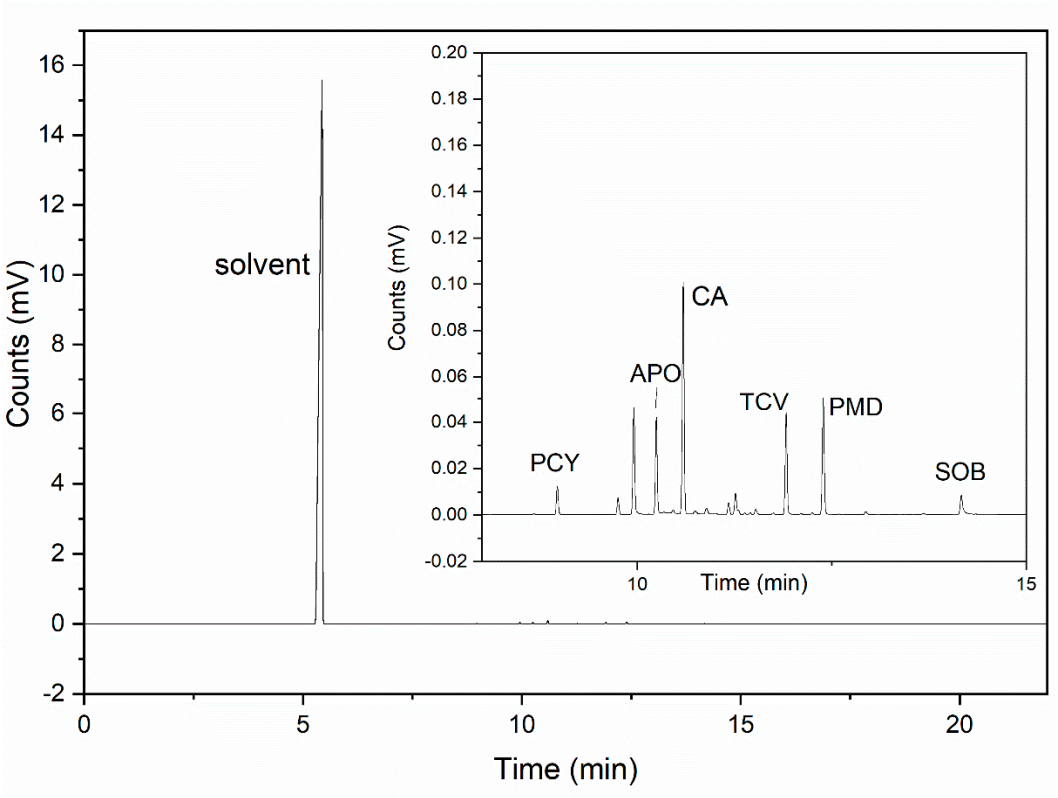

Figure S7. Representative chromatogram of reaction mixture (solvent toluene).