Electronic Supplementary Material (ESI) for Catalysis Science & Technology.

Electronic supplementary information

Selective oxidation of propene to acrolein on FeMoTeO catalysts:Determination of active phase and enhancement of catalytic activity and stability.

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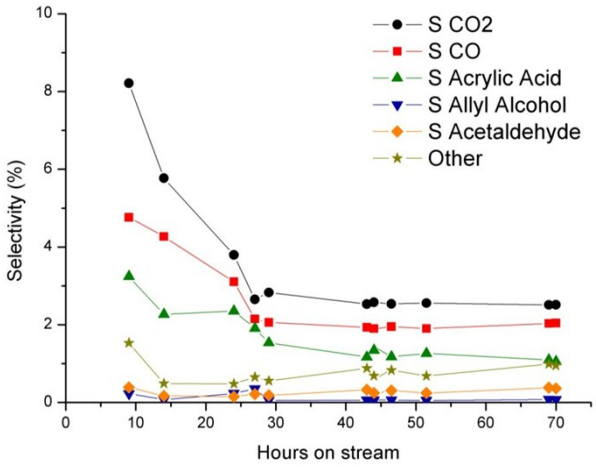

Fig. E1: Evolution of the selectivity of the reaction byproducts over time on stream for the FeMoTe0.1 sample: CO_2 (black circle), CO (red square), acrylic acid (green upside triangle), allyl alcohol (blue, downside triangle).

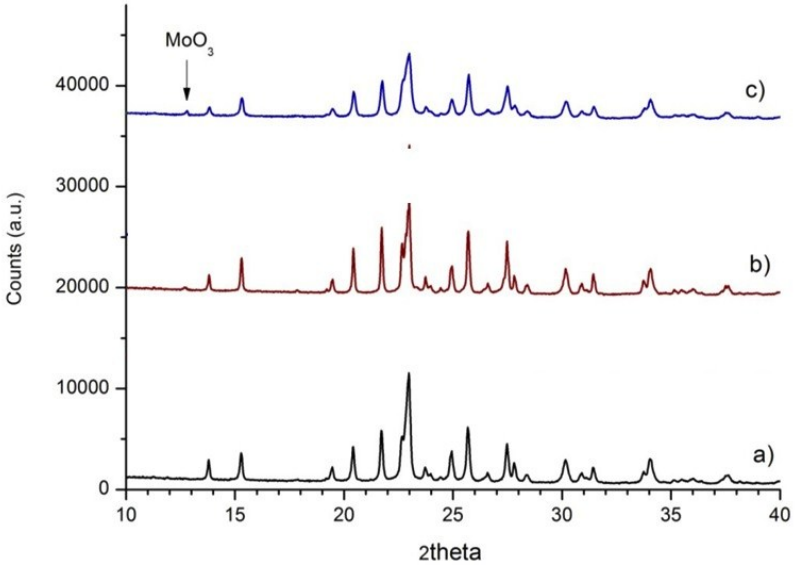

Fig. E2: XRD patterns of the a) FeMo a) ; b) FeMoTe0.1 b) and Si-FeMoTe0.3 c) catalysts.

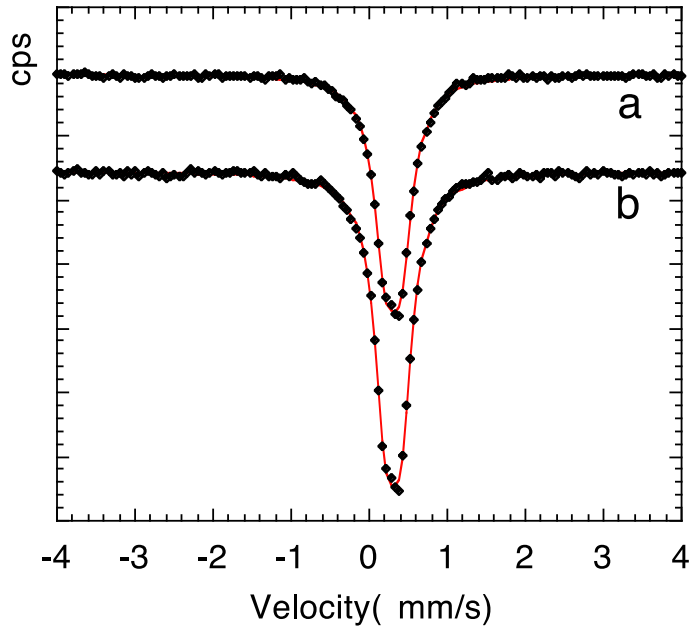

Fig. E3: Mössbauer spectra of the FeMoTe0.1 and Si-FeMoTe0.1 catalysts after catalytic testing