

# Hydrocracking of light diesel oil over catalysts with industrially modified Y zeolites

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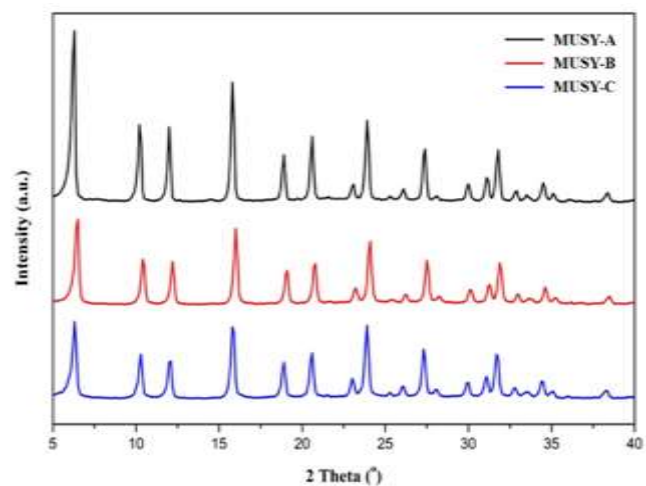


Figure S1 XRD patterns of the zeolite samples

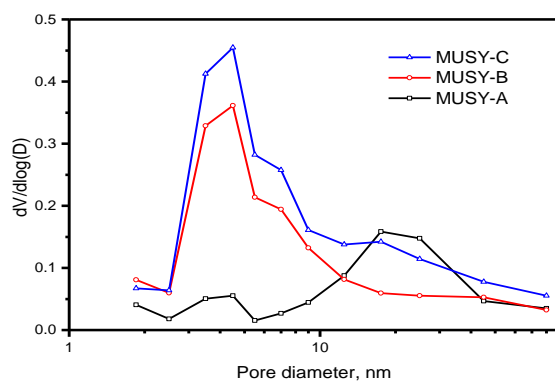


Figure S2 BJH pore size distribution of the adsorption branch of zeolites

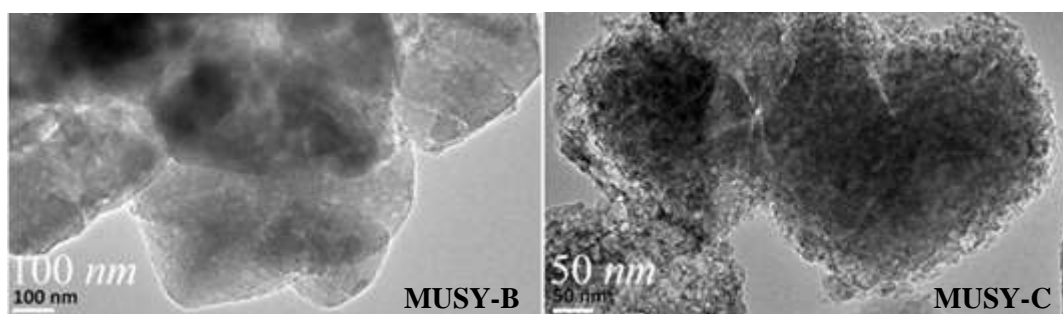


Figure S3 TEM images of the zeolites. MUSY-B and MUSY-C (Right)

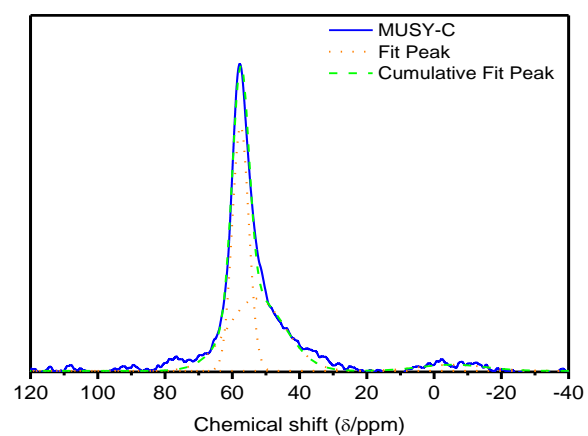
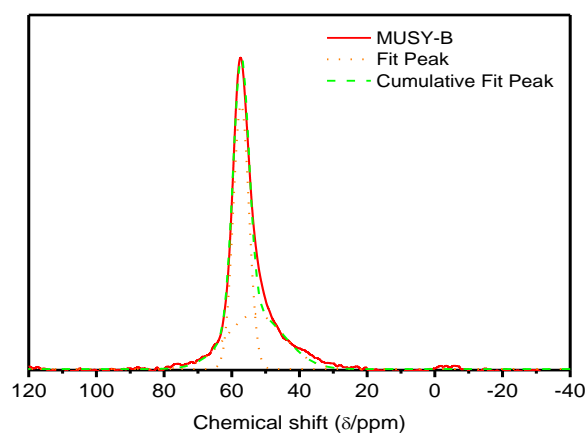
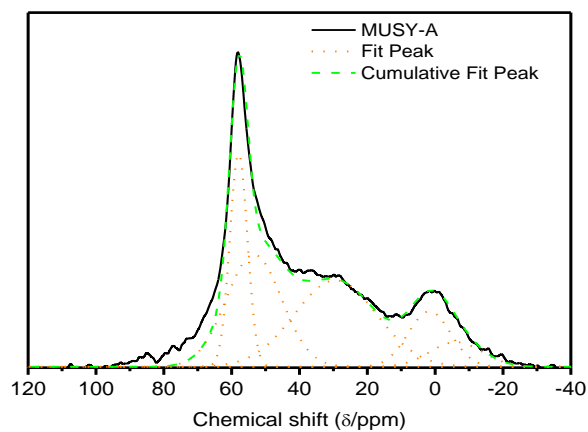


Figure S4  $^{27}\text{Al}$  MAS NMR Spectra of the samples

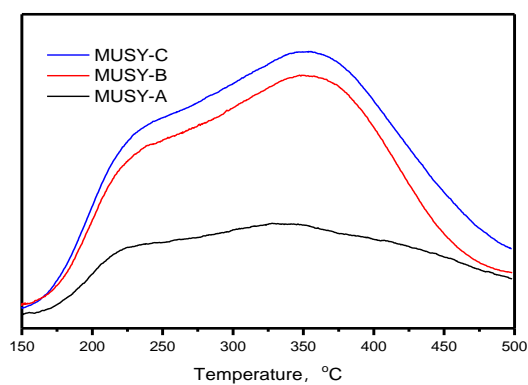


Figure S5 NH<sub>3</sub>-TPD properties of the zeolite samples

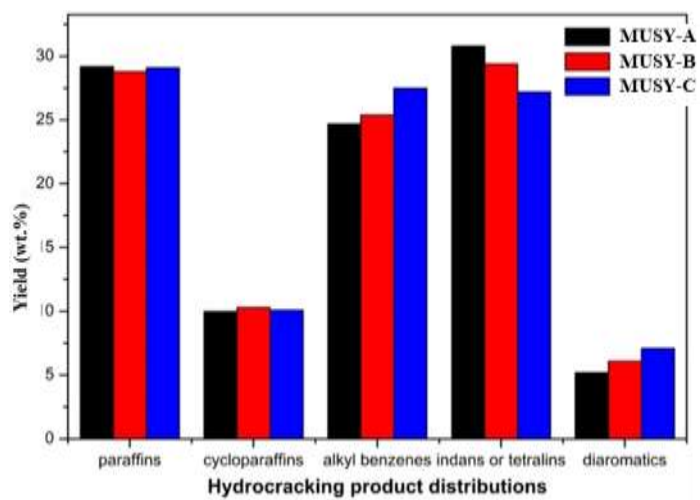


Figure S6 Hydrocracking products distributions over the catalysts containing MUSY-A, MUSY-B and MUSY-C