

## Supporting Information

### Isoprene Synthesis from Formaldehyde and Isobutene over Keggin-type Heteropolyacids Supported on Silica

V.L. Sushkevich<sup>a</sup>, V.V. Ordonsky<sup>b</sup> and I.I. Ivanova<sup>a,c\*</sup>

<sup>a</sup>*Department of Chemistry, Lomonosov Moscow State University, Leninskiye Gory 1, bld. 3, 119991, Moscow, Russia*

<sup>b</sup>*Unité de catalyse et de chimie du solide (UMR 8181 CNRS), Université Lille 1, Sciences et Technologies de Lille, Bat. C3, Cité Scientifique, 59655 Villeneuve d'Ascq, France*

<sup>c</sup>*A.V. Topchiev Institute of Petrochemical Synthesis, Russian Academy of Science, Leninskiy prospect 29, 119991 Moscow, Russia*

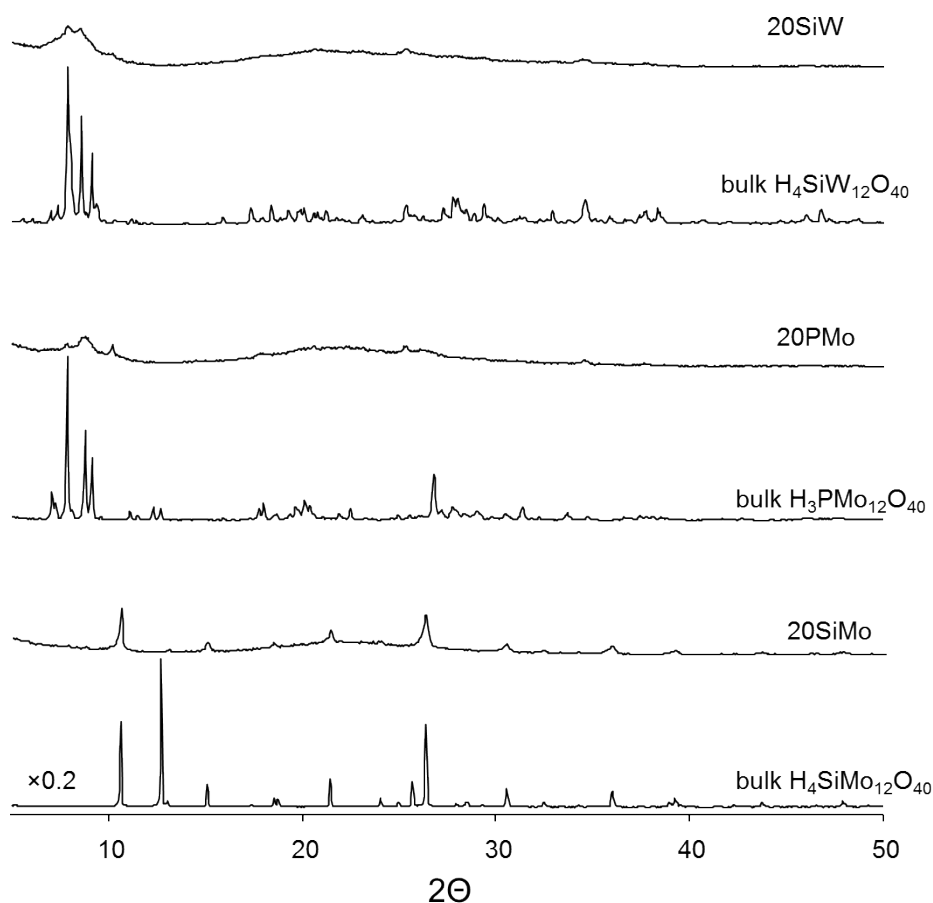


Fig. S1. XRD patterns for bulk and supported HPAs

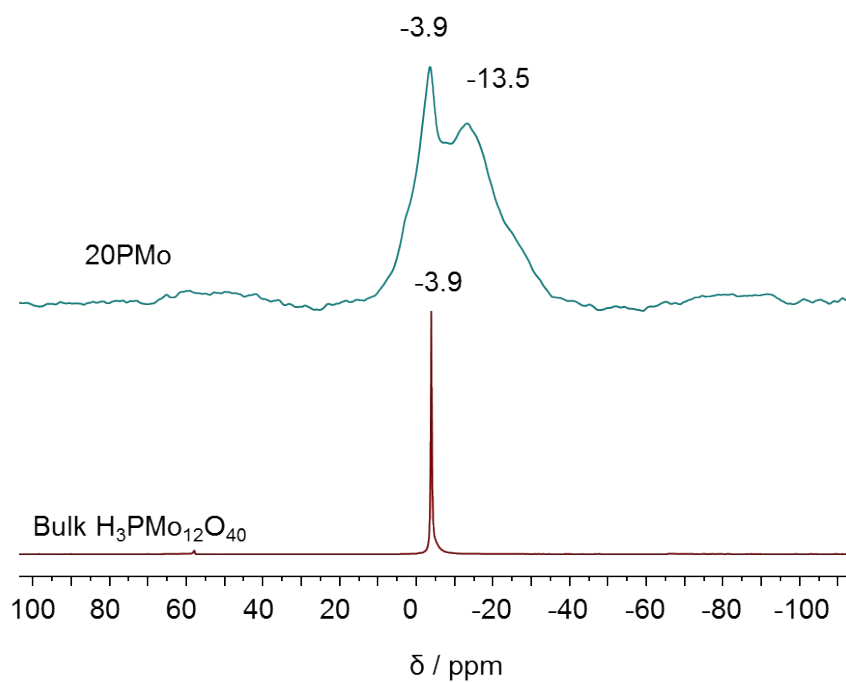


Fig. S2. Comparison of  $^{31}\text{P}$  MAS NMR for bulk and supported  $\text{H}_3\text{PMo}_{12}\text{O}_{40}$

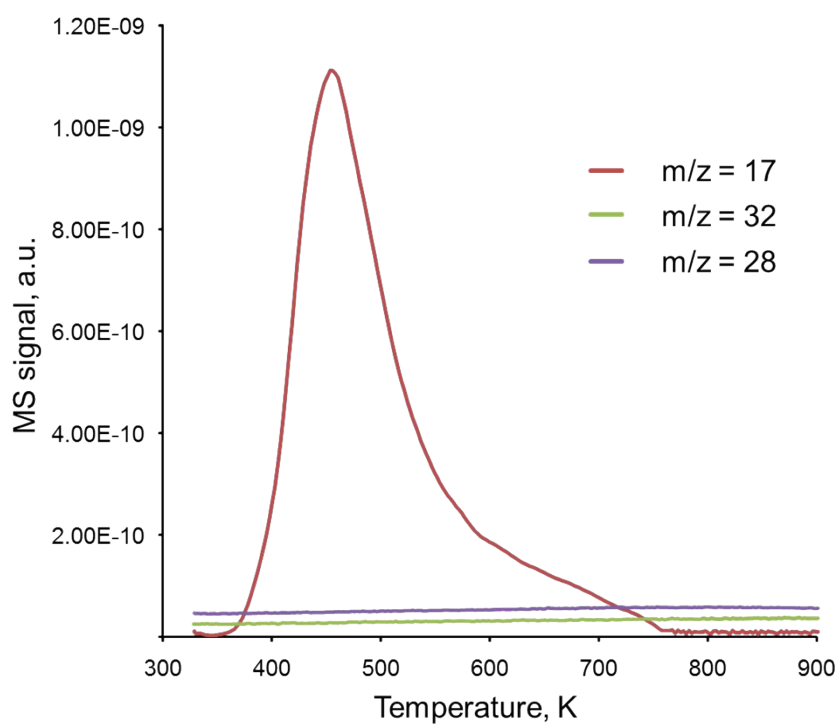


Fig. S3. TPD-MS- $\text{NH}_3$  data for the PW20 catalyst