

Supporting Information

Sulfur compounds characterization using FT-ICR MS: towards a better comprehension of vacuum gas oils hydrodesulfurization process

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Figure S1: Evolution of the relative abundances of the heteroatomic classes identified within the samples. Ox class corresponds to the sum of the O1 and O2 classes. The standard deviations calculated over six replicates are indicated with red bars.

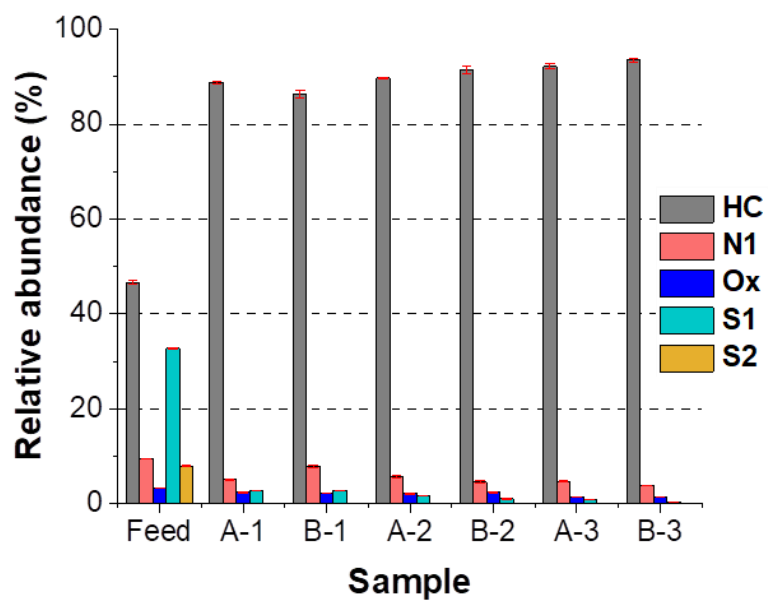


Figure S2: Comparison of obtained DBE=f(#C) diagrams for the feed and the six hydrotreated samples (A-1 to B-3) for the class HC.

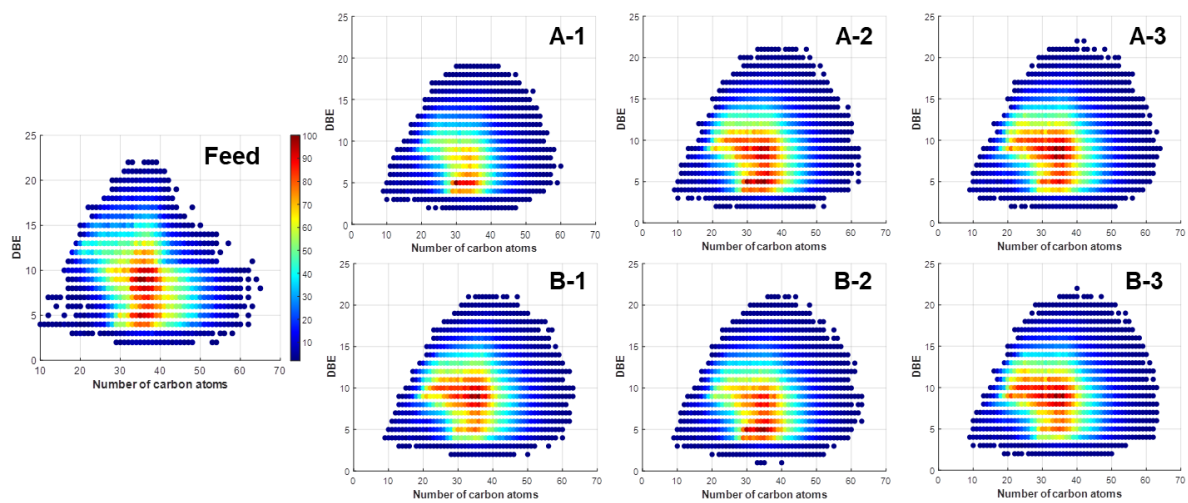


Figure S3: PCA analysis considering both hydrocarbons and sulfur compounds. (A) PC1-PC2 score plot. (B) PC1 loadings. (C) PC2 loadings. The first 2500 variables correspond to the hydrocarbons compounds while the last 2500 variables correspond to the sulfur compounds.

