

Figure A1. The ^{19}F liquid NMR spectrum of the solution after the xylose dehydration reaction test in water at 160 °C using M-71 as catalyst.

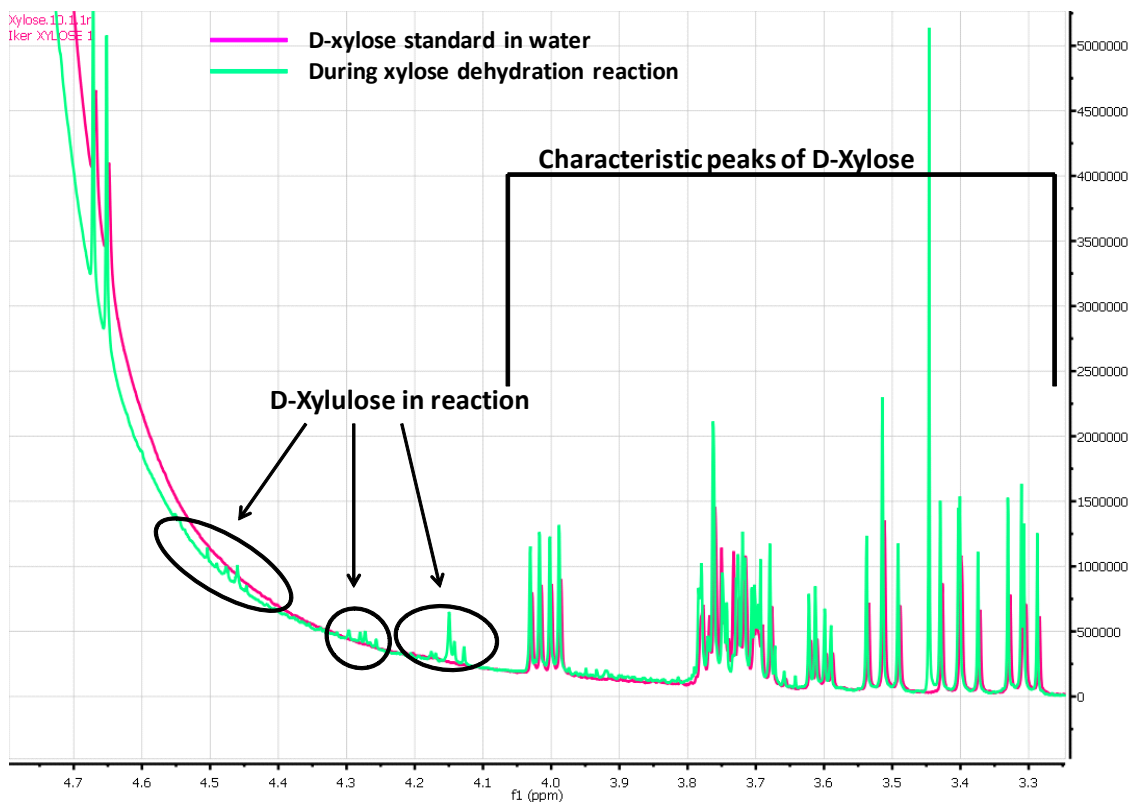


Figure A2. The ¹H-NMR spectrum of the solution after the D-xylose dehydration reaction at 8 h in water at 160 °C using M-71 as catalyst. Spectra also compared to reported references [1,2].

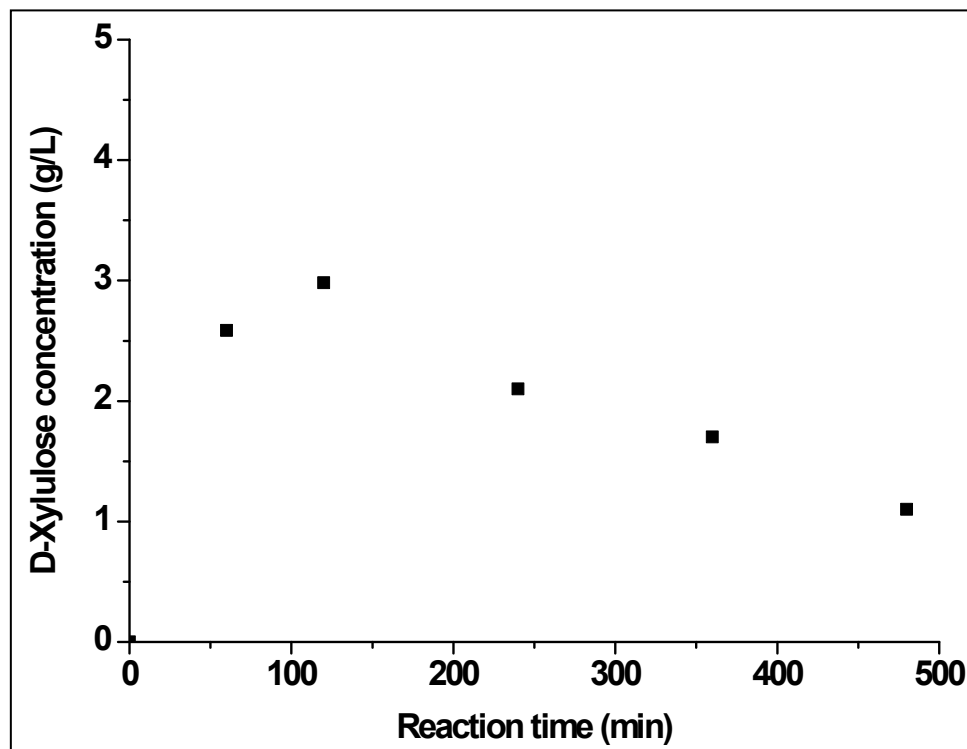


Figure A3. Evolution of D-xylulose during the xylose dehydration reaction in water at 160 °C using M-71 as catalyst.

References

[1] <http://www.hmdb.ca/metabolites/HMDB01644>

[2] <http://www.hmdb.ca/metabolites/hmdb00098>