Electronic Supplementary Material (ESI) for RSC Advances.

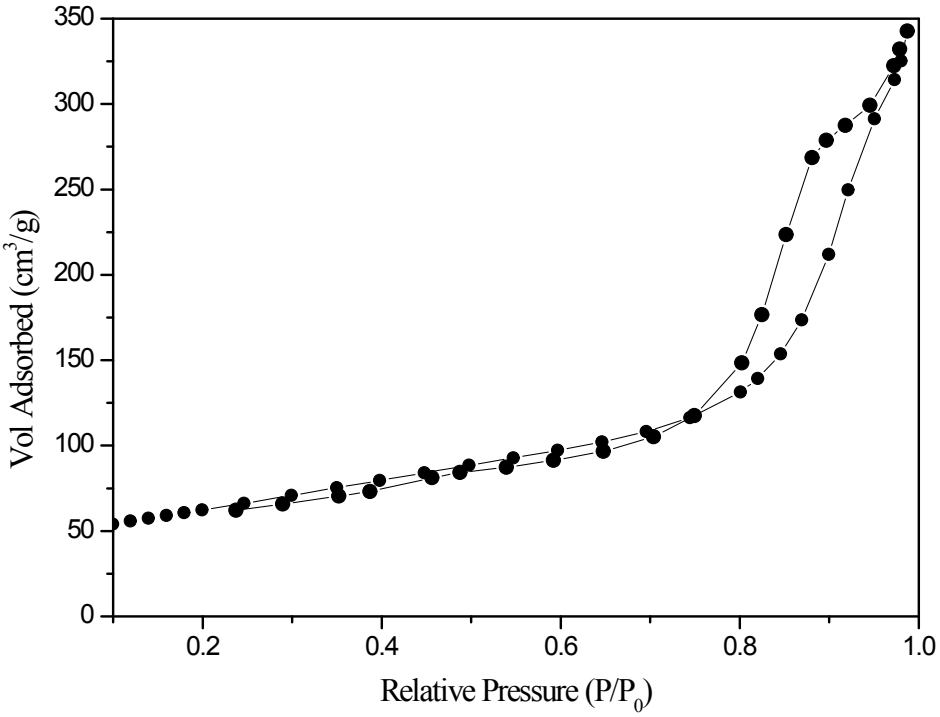

Fig.S1. Nitrogen adsorption-desorption isotherms of Ru-MgAl350.

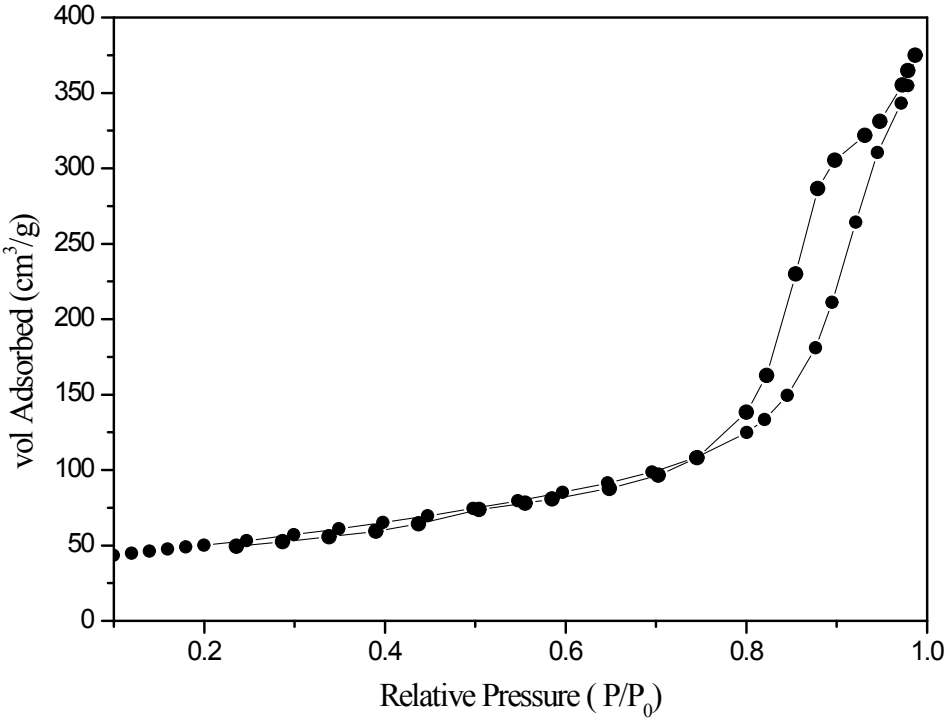

Fig.S2. Nitrogen adsorption-desorption isotherms of Ru-MgAl400.

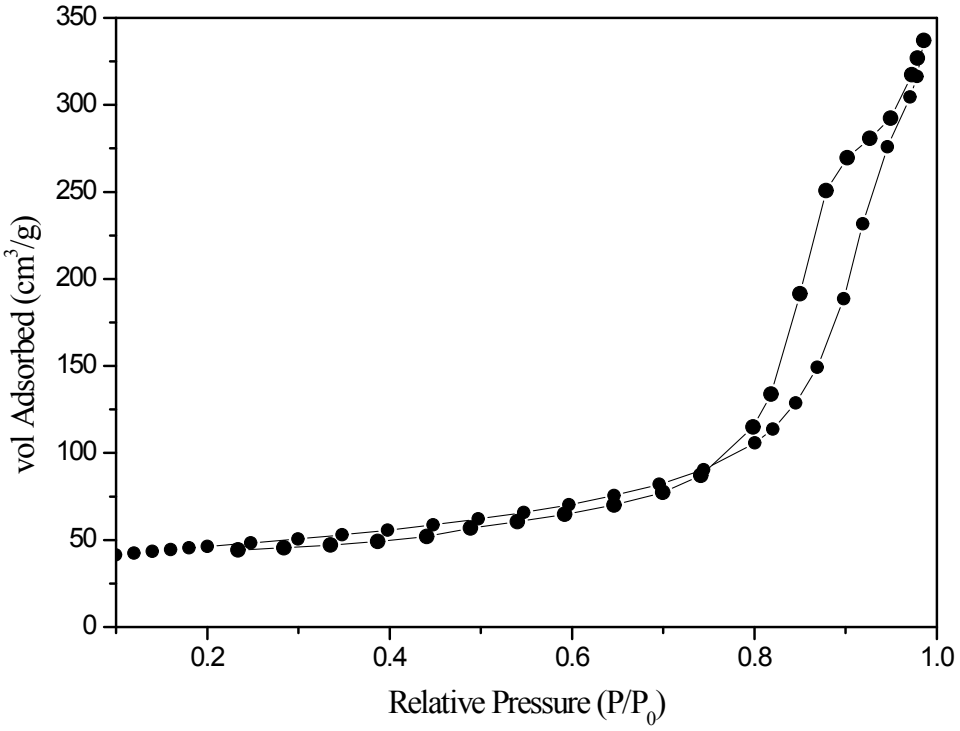

Fig.S3. Nitrogen adsorption-desorption isotherms of Ru-MgAl450.

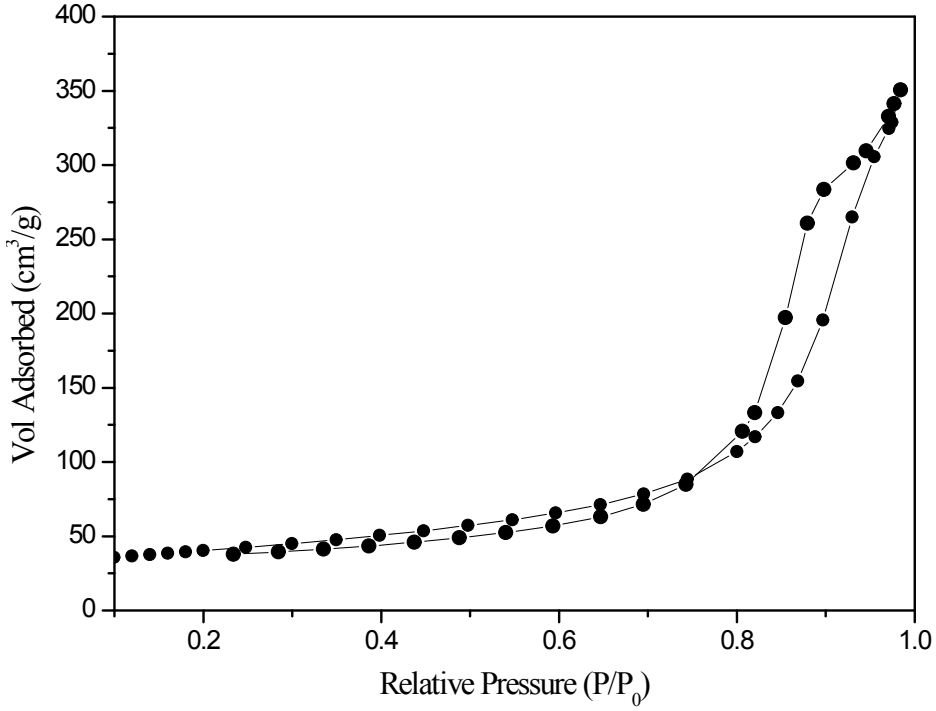

Fig.S4. Nitrogen adsorption-desorption isotherms of Ru-MgAl550.

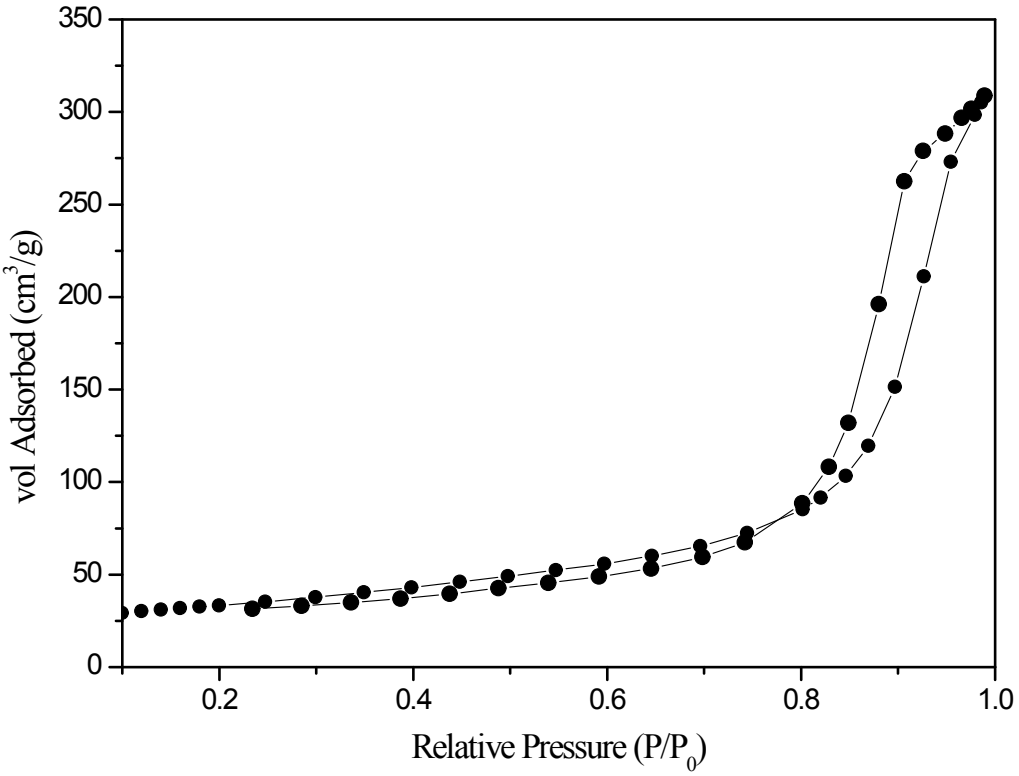

Fig.S5. Nitrogen adsorption-desorption isotherms of Ru-MgAl700.

Table. S1. The content of the Ru-MgAl450 components detected by XRF

Catalyst	Mg, wt%	Al, wt%	Ru ,wt%
Ru-MgAl450	77.6%	21.6%	0.8%

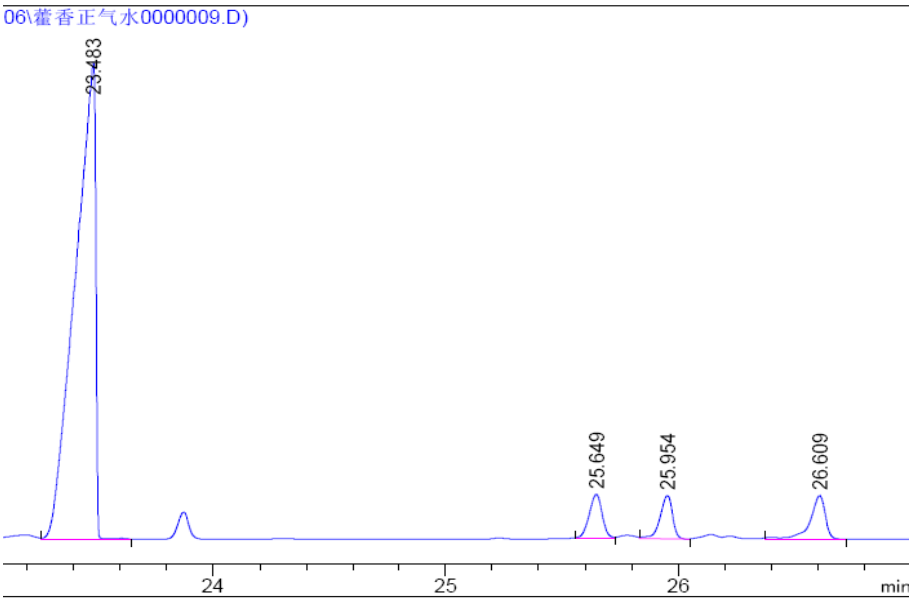

Fig.S6. Gas chromatogram of the isomerization products from linoleic acid using Ru-MgAl300 catalyst.

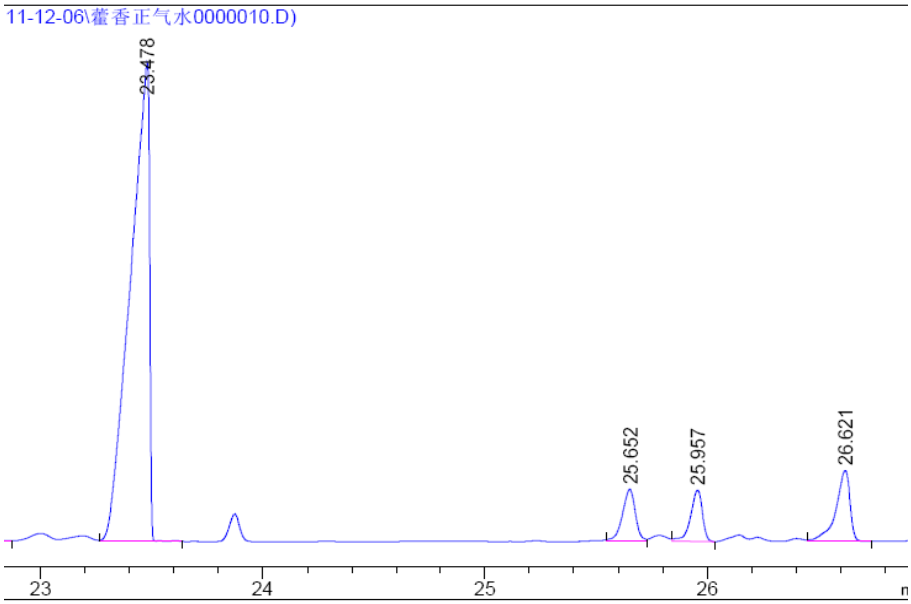

Fig.S7. Gas chromatogram of the isomerization products from linoleic acid using Ru-MgAl350 catalyst.

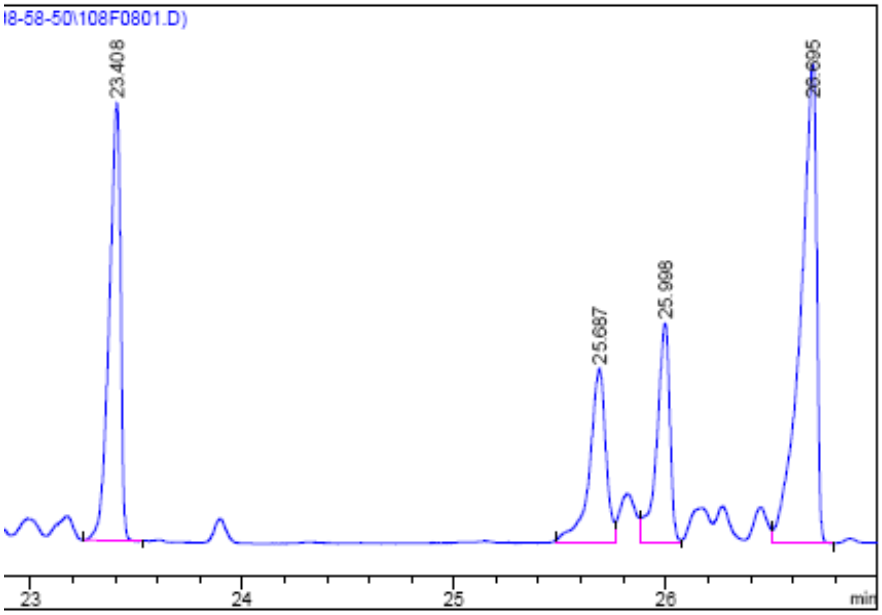

Fig.S8. Gas chromatogram of the isomerization products from linoleic acid using Ru-MgAl450 catalyst.

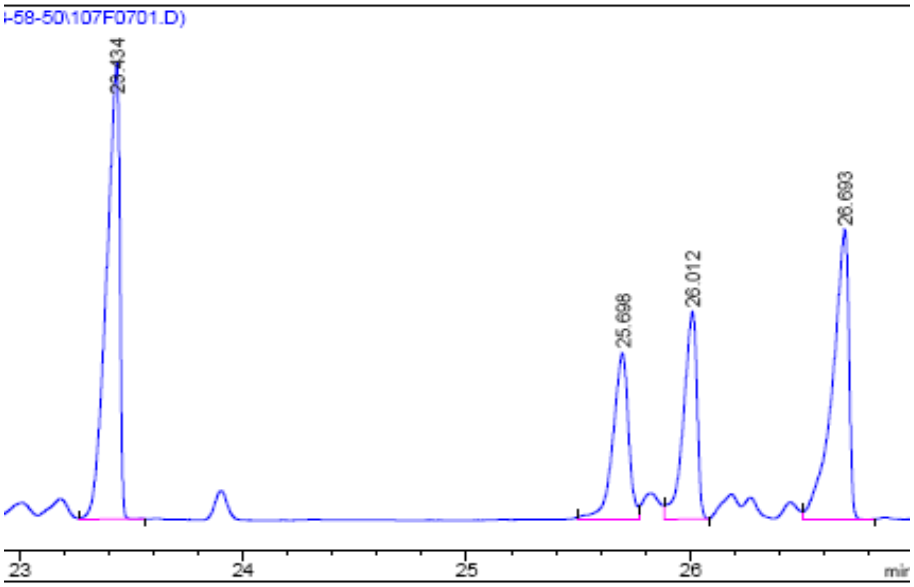

Fig.S9. Gas chromatogram of the isomerization products from linoleic acid using Ru-MgAl550 catalyst.

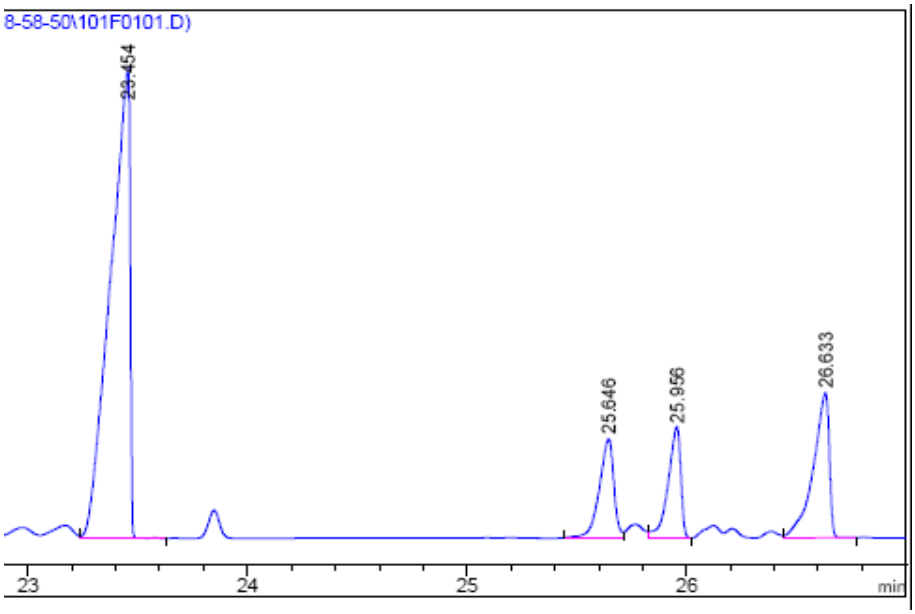

Fig.S10. Gas chromatogram of the isomerization products from linoleic acid using Ru-MgA650 catalyst.

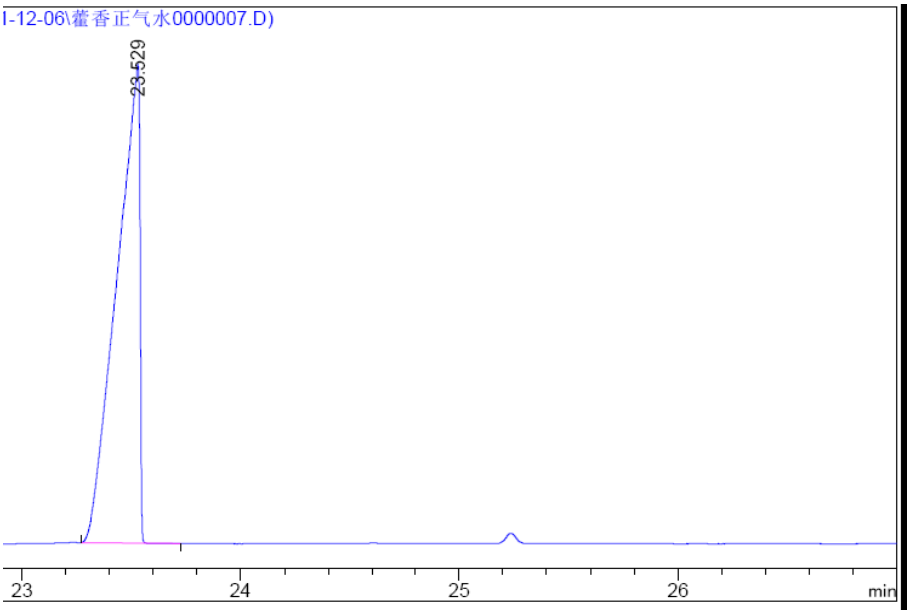

Fig.S11. Gas chromatogram of the isomerization products from linoleic acid using Ru-MgAl700 catalyst.