

Supplementary Information

Kinetic Analysis for the Catalytic Pyrolysis of Polypropylene over Low Cost Mineral Catalysts

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Table S1. GC/MS conditions used in this study.

GC	
Name	Agilent 7890B
Split ratio	200 : 1
GC inlet	300 °C
Oven	40 °C 5 min holding → 20 °C/min → 320 °C 2 min holding
Column	UA-5 (30 m x 250 µm x 0.25 µm)
MS	
Name	Agilent 5977B
Scan range	m/z 30 to 550
EM voltage	1282
MS Source	230 °C
MS Quad	150 °C
Micropyrolyzer (in-situ)	
Name	PY-3030iD / Rx-3050TR
Catalyst : feedstock	5 : 1
Temperature	600 °C
Interface	320°C

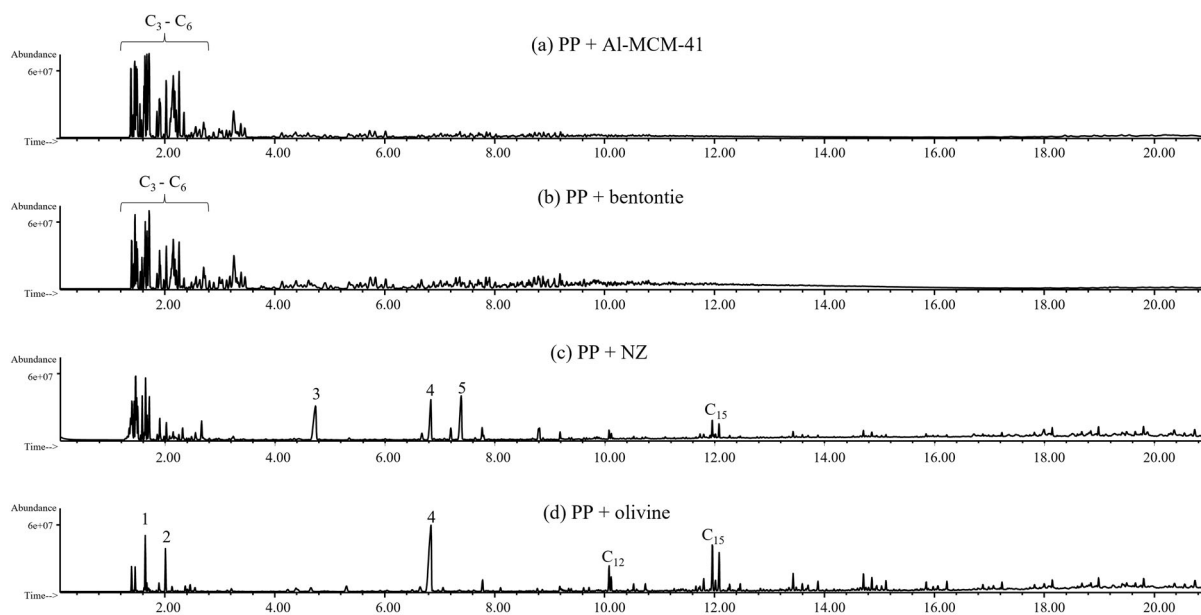


Figure S1. Micropyrolyzer-GC/MS chromatograms for catalytic pyrolysis of polypropylene.
(1: Pentane, 2: Methylpentene, 3: Toluene, 4: Dimethylheptene, 5: p-Xylene)