

Supplementary Materials

Comparative Analysis of Bio- and Chemo-Catalysts for the Synthesis of Flavour Compound Hexanal from Linoleic Acid

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Gas-Chromatography

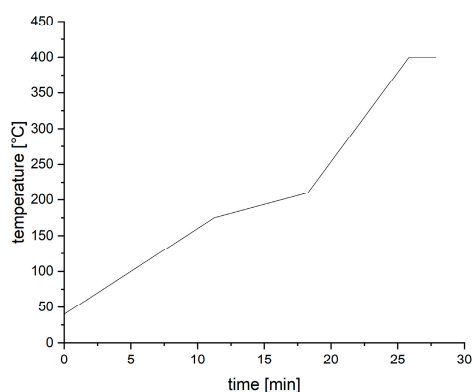
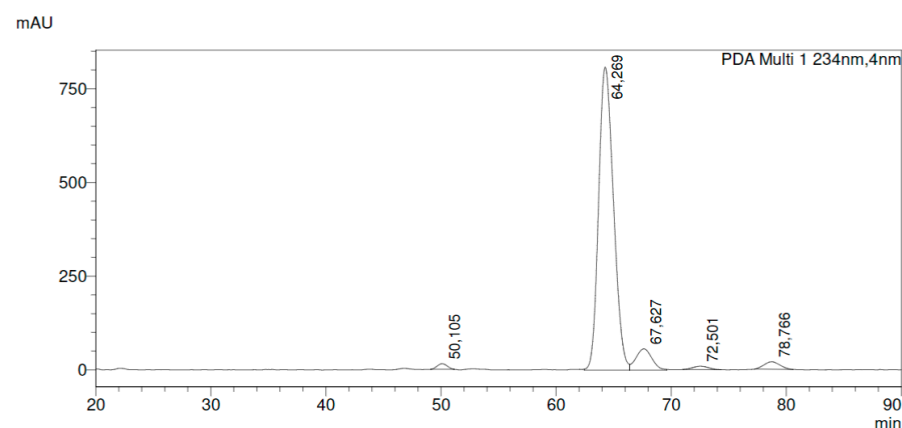


Figure S1: Temperature profile of the used measurement method for gas chromatography.

HPLC



<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	50.105	902367	14925	0,000		M	
2	64.269	72595121	808568	0,000	mg/L	M	13-HPOD
3	67.627	5514011	56944	0,000	mg/L	M	9-HPOD
4	72.501	863008	9199	0,000		M	
5	78.766	1884885	19718	0,000		M	
Total		81759393	909354				

Figure S2: HPLC chromatogram of H1 with 13-HPOD at 63.351 min and 9-HPOD at 66.635 min. Detector: PDA at 234 nm.

GC-MS

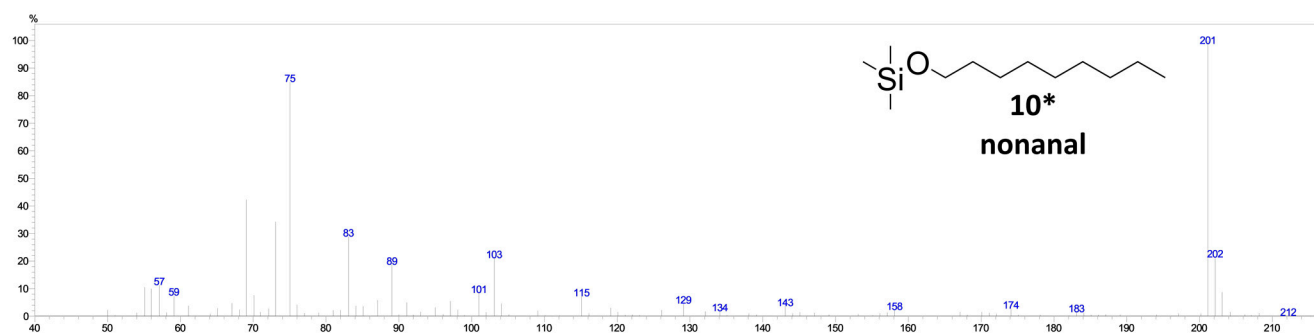


Figure S3: Example mass spectrum of reduced and silylated nonanal.

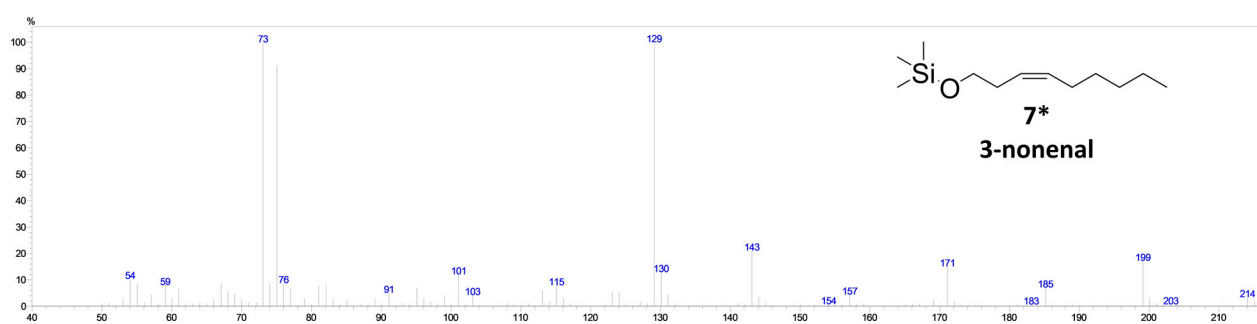


Figure S4: Example mass spectrum of reduced and silylated 3-nonenal.

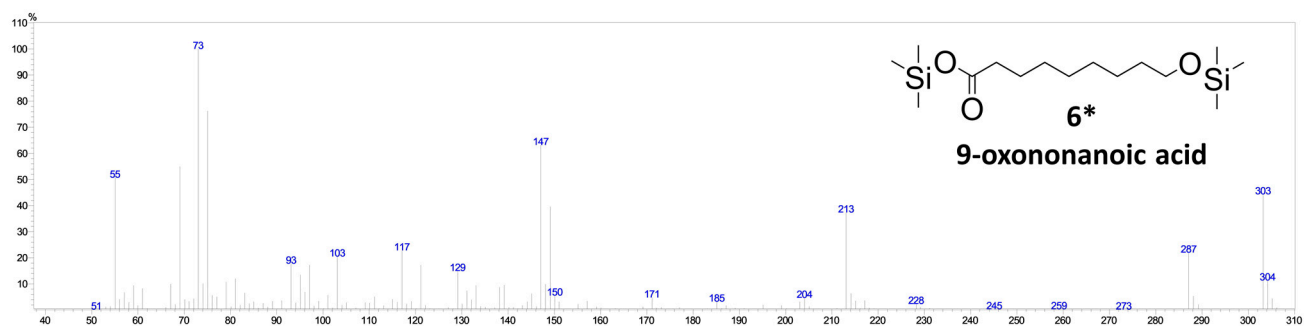


Figure S5: Example mass spectrum of reduced and silylated 9-oxononanoic acid.

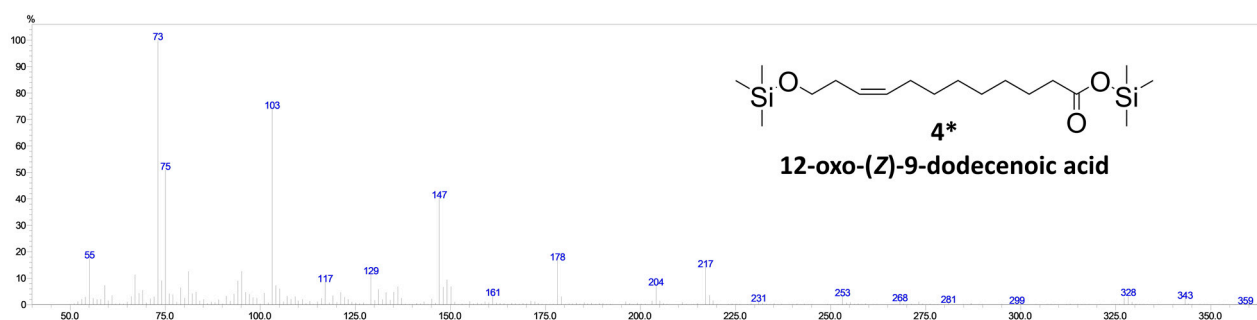


Figure S6: Example mass spectrum of reduced and silylated 12-oxo-9(Z)-oxononanoic acid.

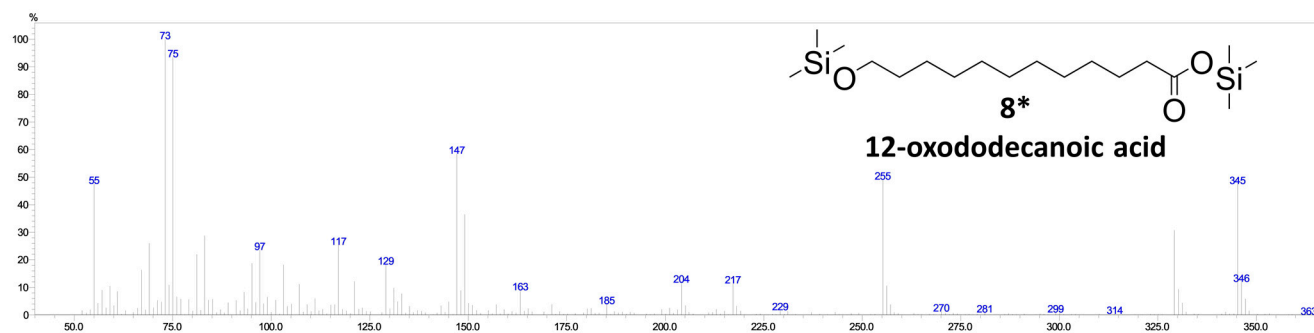


Figure S7: Example mass spectrum of reduced and silylated 12-oxododecanoic acid.

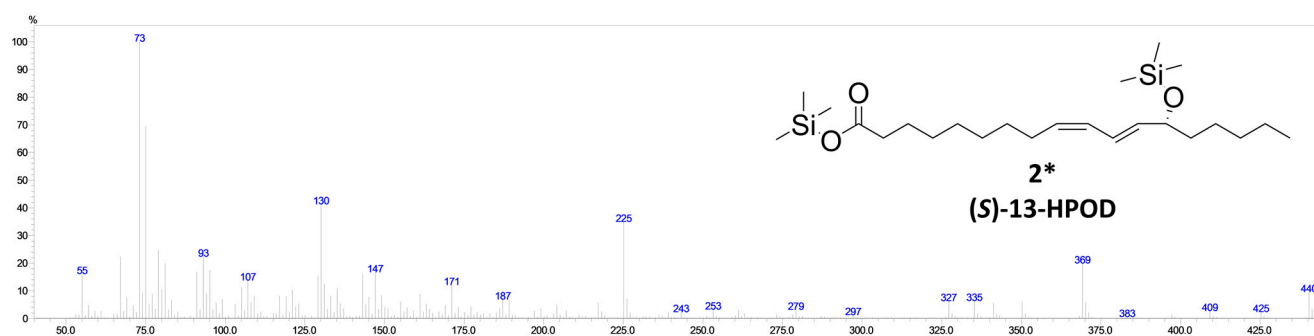


Figure S8: Example mass spectrum of reduced and silylated (S)-13-HPODE.

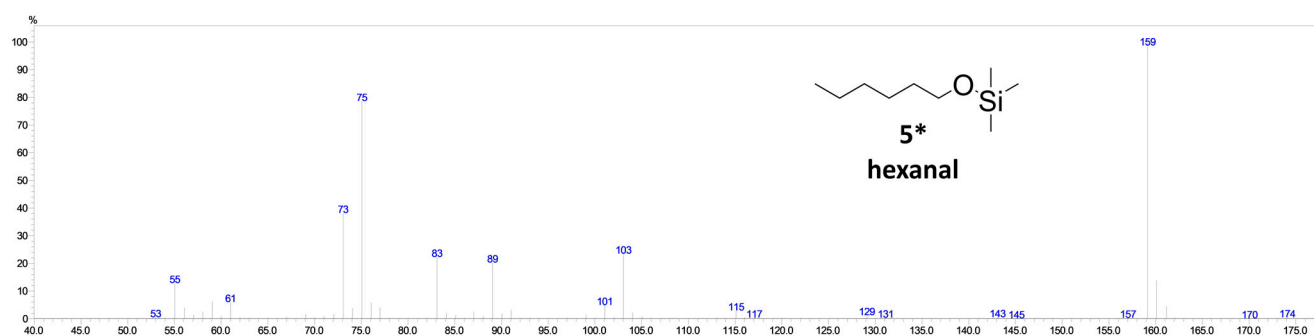


Figure S9: Example mass spectrum of reduced and silylated hexanal.

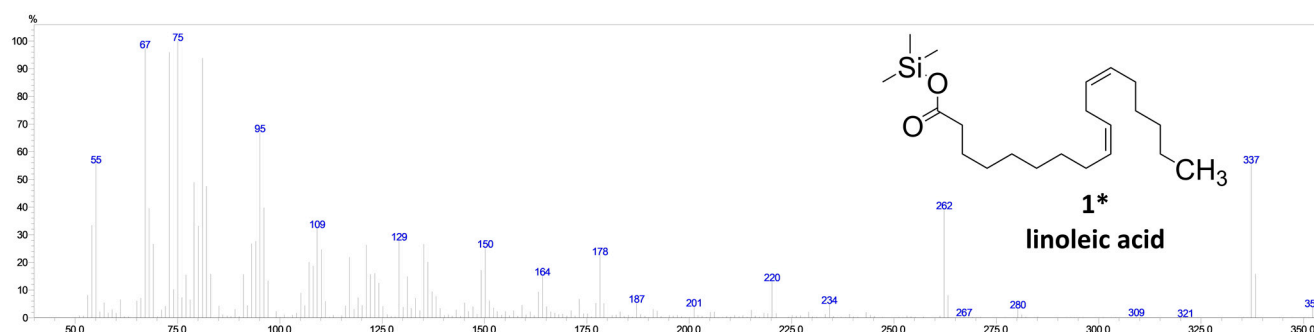


Figure S10: Example mass spectrum of reduced and silylated linoleic acid.

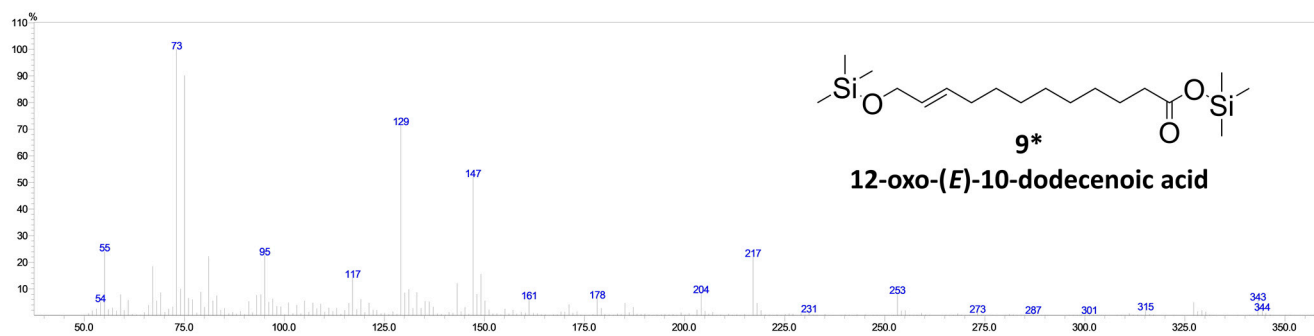


Figure S11: Example mass spectrum of reduced and silylated 12-oxo-10(*E*)-dodecenoic acid.