

## Microalgae biorefinery concept based on hydrothermal microwave pyrolysis

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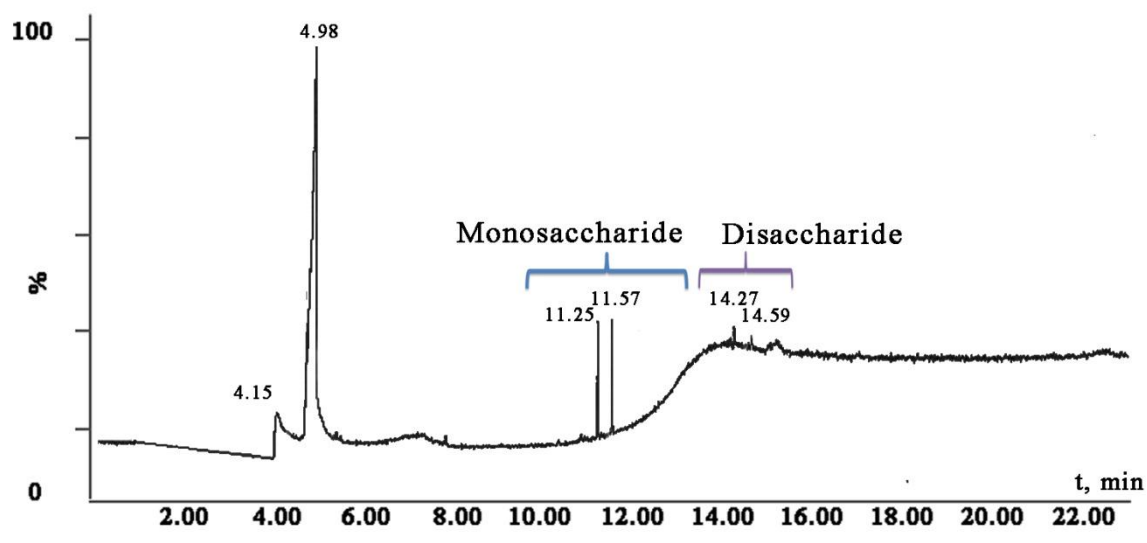


Fig.1S GC-MS analysis of products of microwave activated hydrolysis of cellulose silylated by TMSIM.

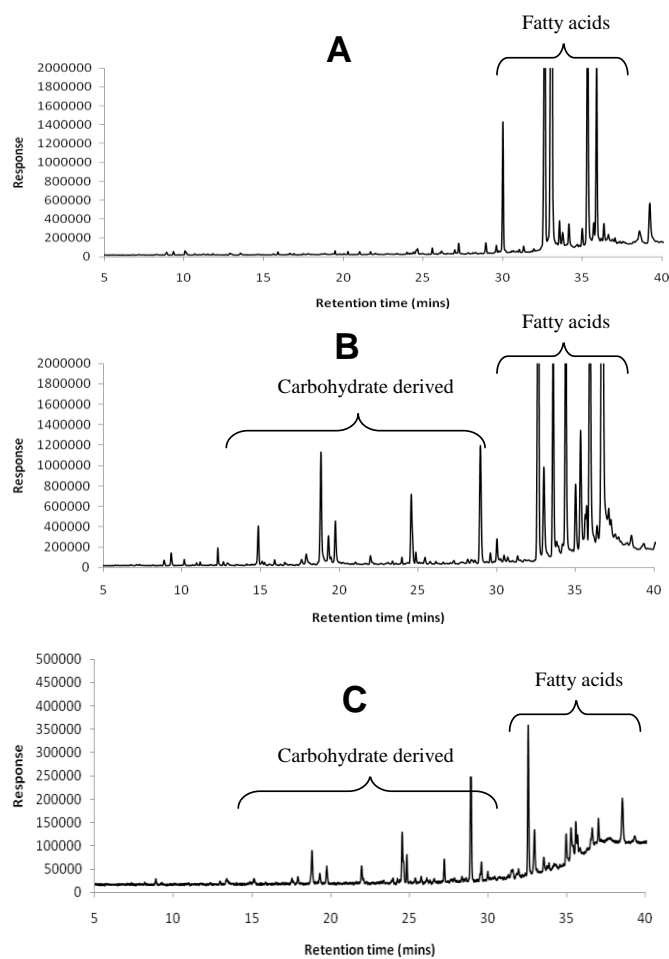
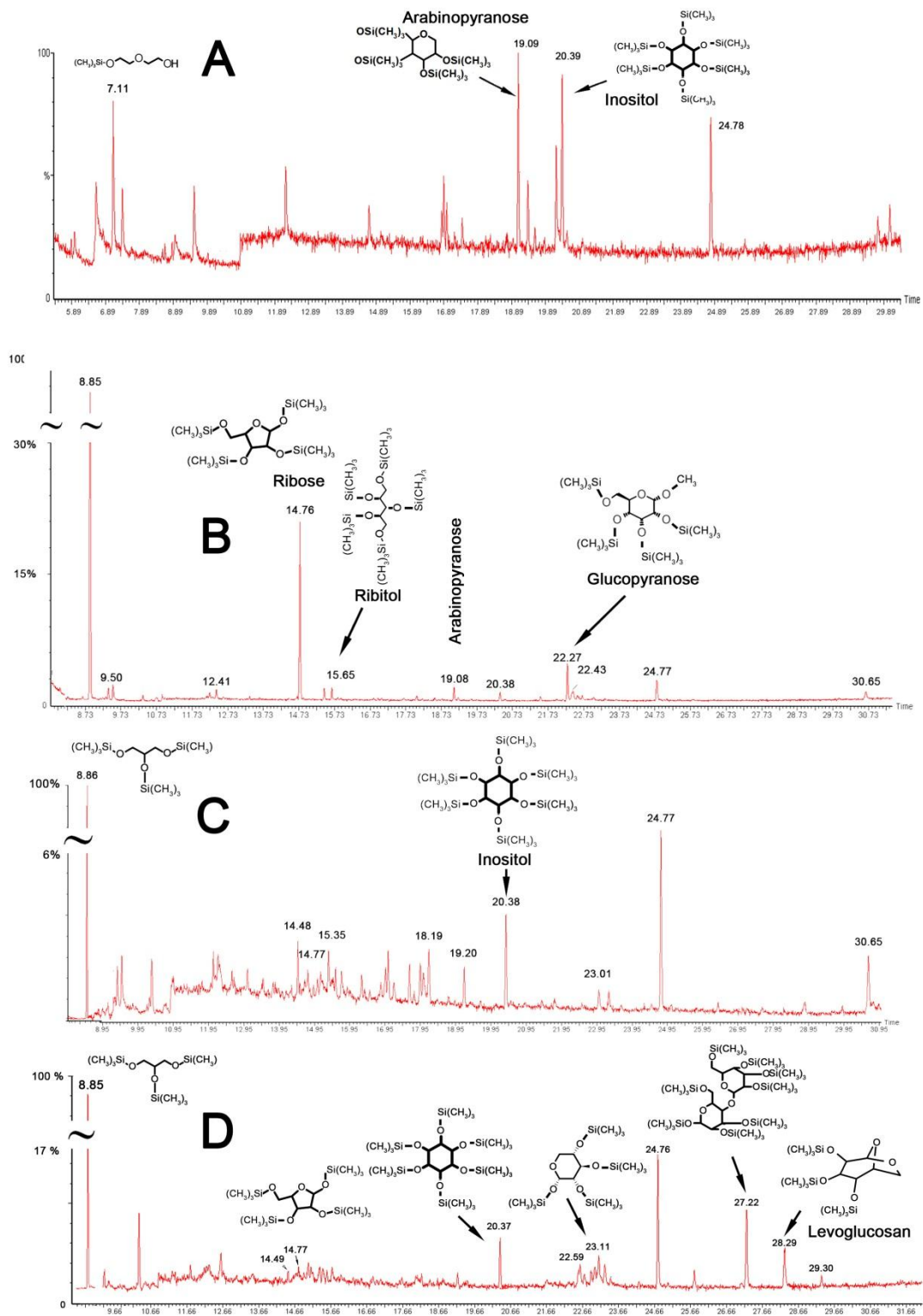
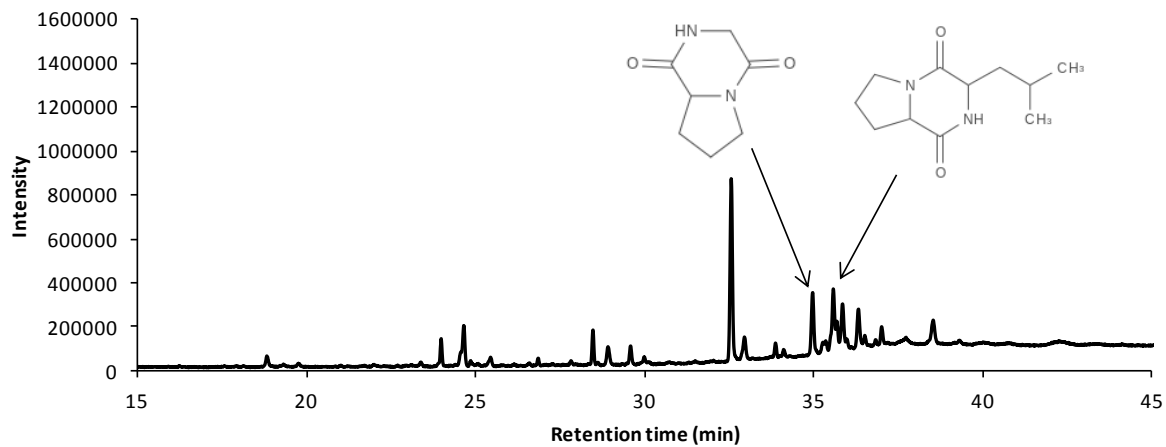


Fig. 2S GC-MS analysis using a Stabilwax column of (a) DCM soluble fraction from Nannochloropsis, (b) Chlorella (c) Porphyridium



**Fig.3S.** GC-MS traces for EtOH fraction of water phase from A) Nannochloropsis; B) Porphyridium; C) Chlorella; D) Spirulina.



**Fig.4S.** GC-MS chromatogram using a Stabilwax column of the DCM phase of protein at 185°C.