

Supplementary Information

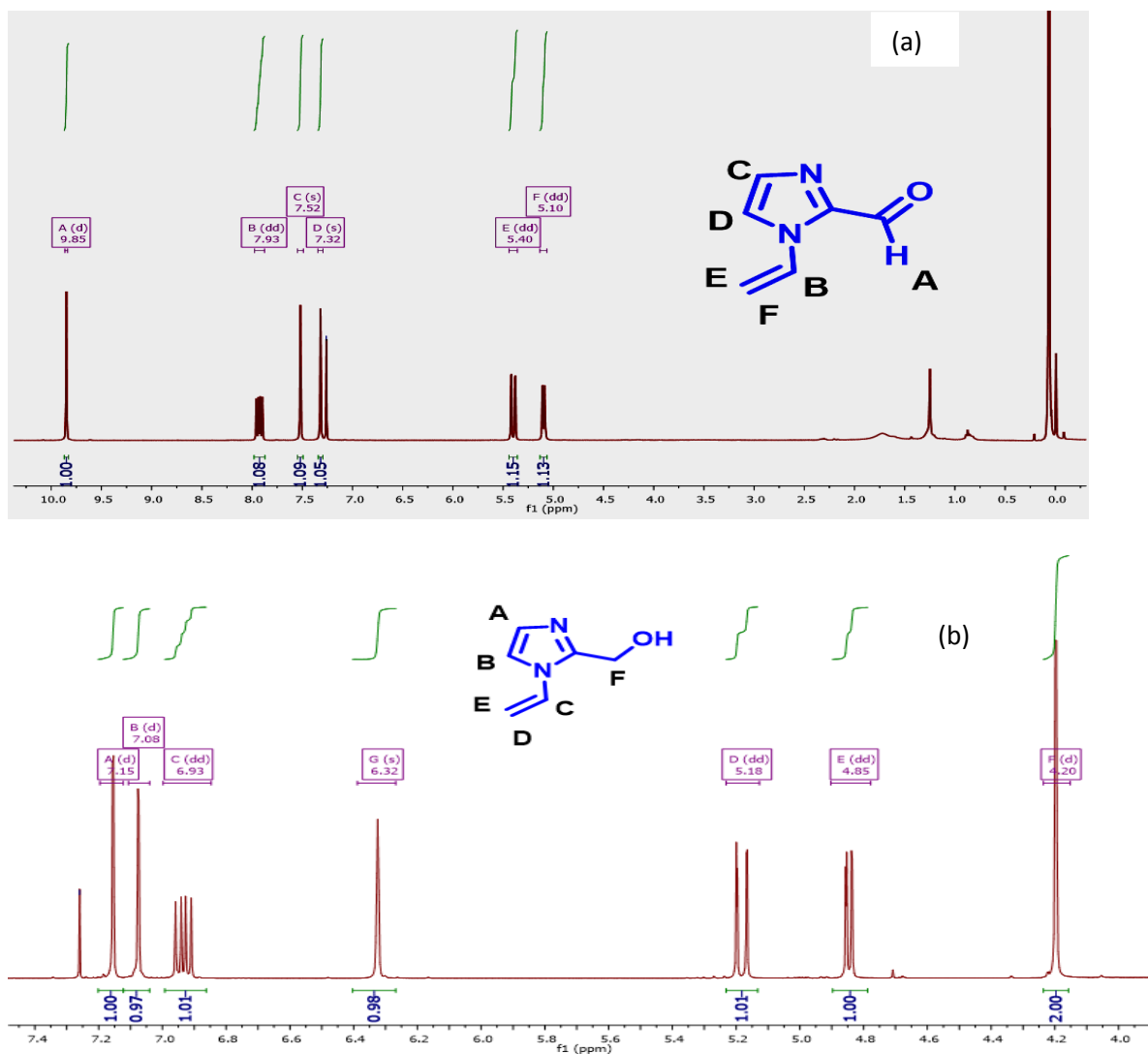
Ice-templated fabrication of porous imidazole based polymers for CO₂ adsorption

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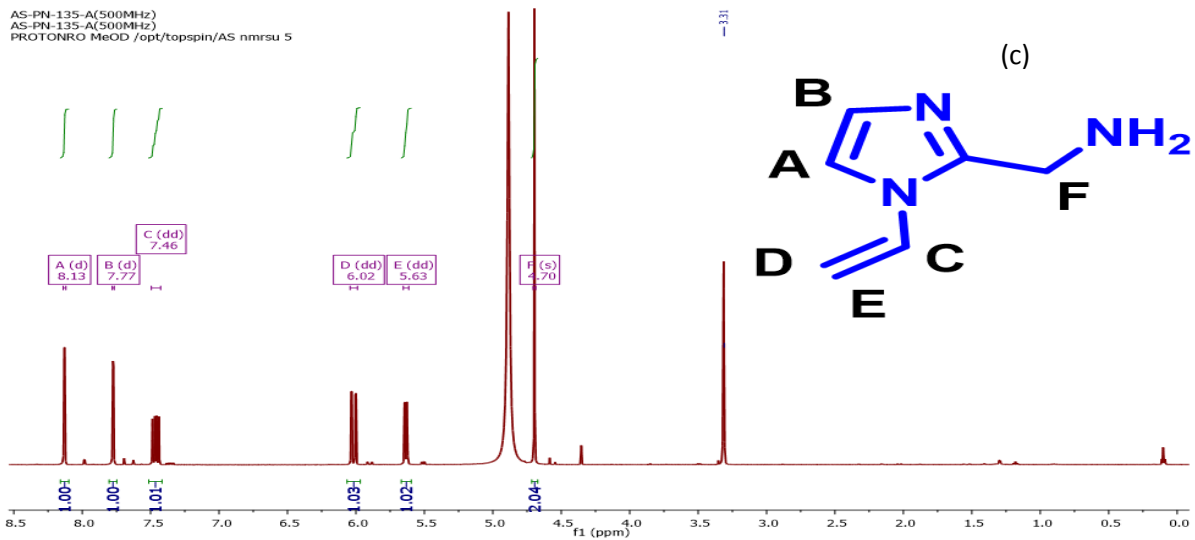
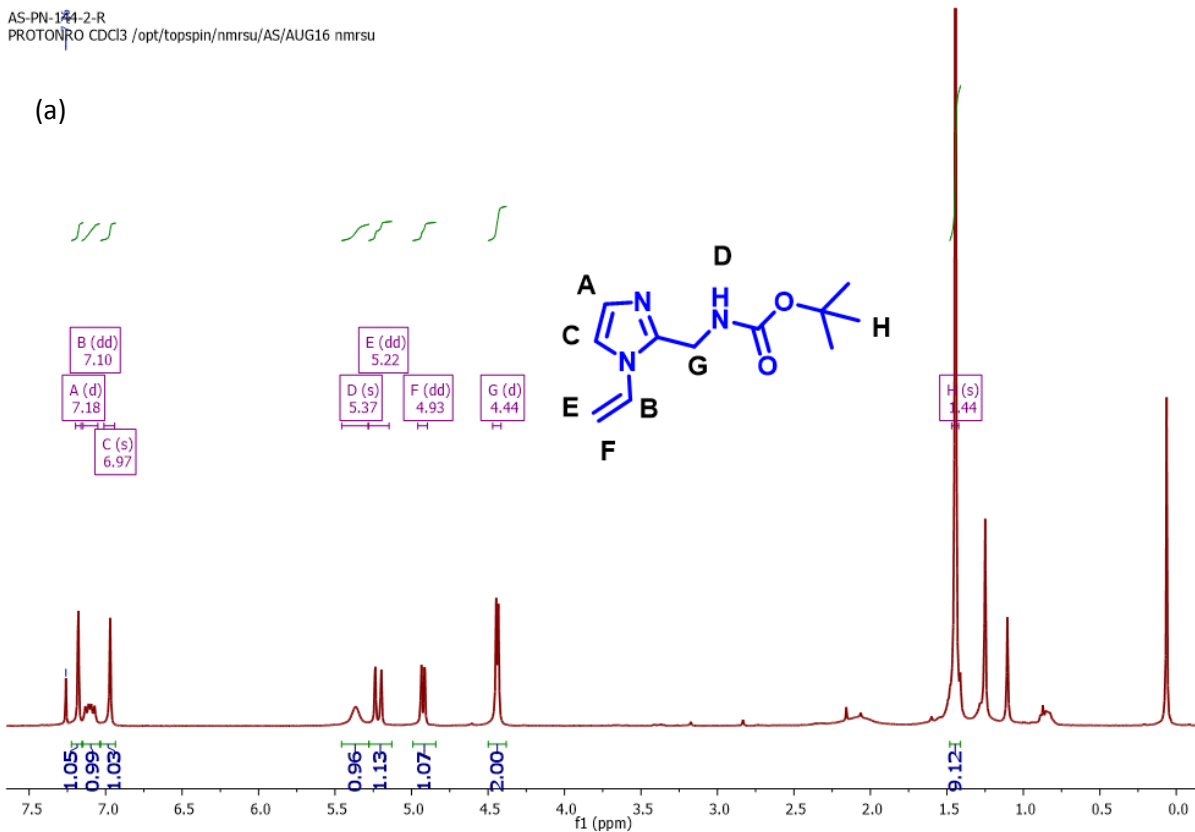


Fig. S1: ¹H-NMR spectra of (a) 1-Vinylimidazole-2-carbaldehyde, (b) 1-Vinylimidazole-2-methylalcohol and (c) 1-Vinylimidazole-2-methylamine



AS-PN-153
AS-PN-153

(b)

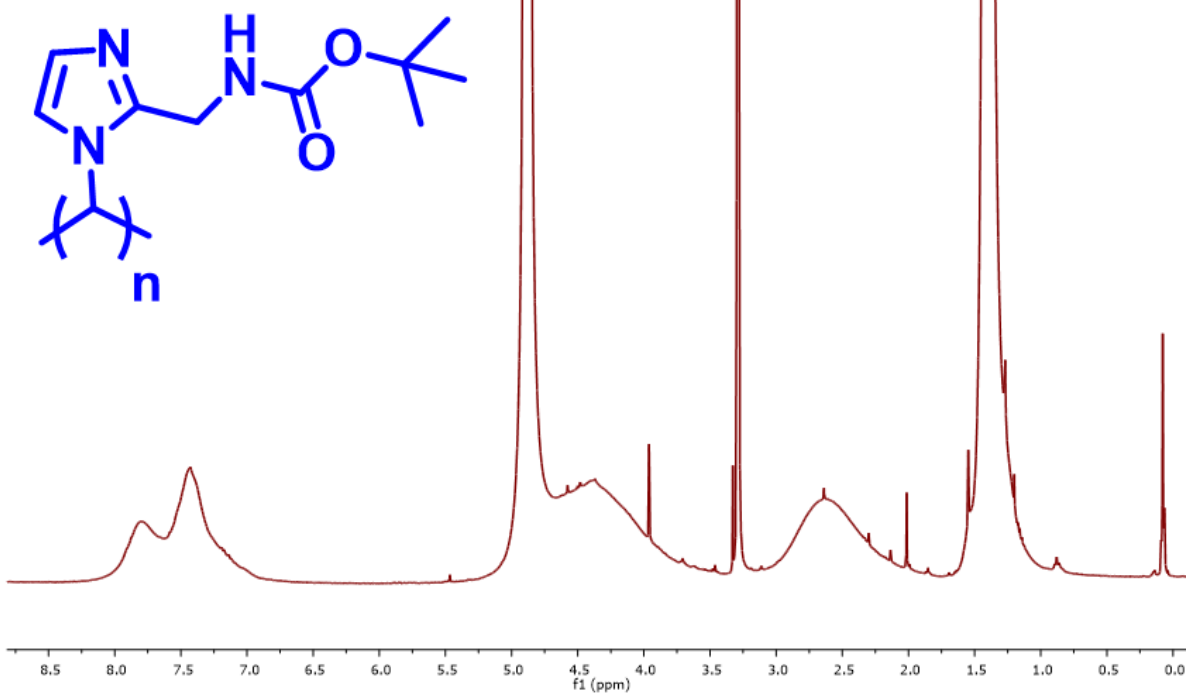
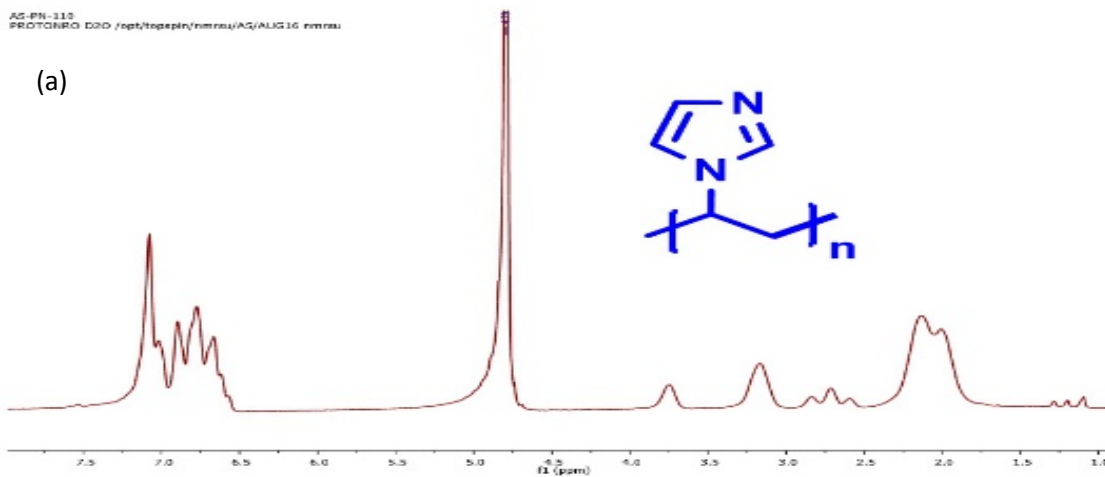
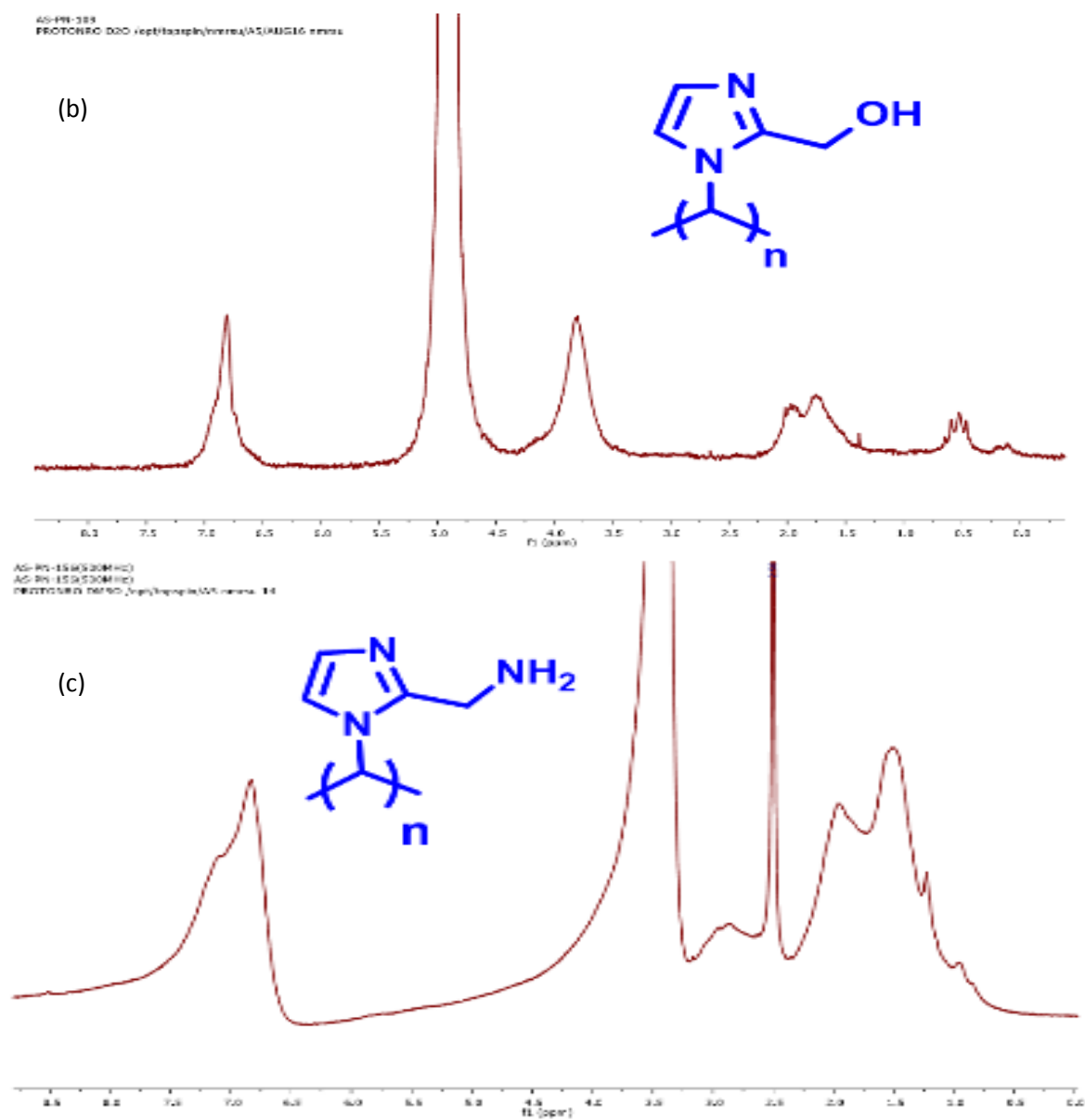


Fig. S2: ¹H-NMR spectra of BOC protected 1-Vinylimidazole-2-methylamine (a) monomer and (b) polymer

AS-PN-110
PROTONR0 D2O /opt/topspin/nmrnsu/AS/ALG16 nmrsu

(a)





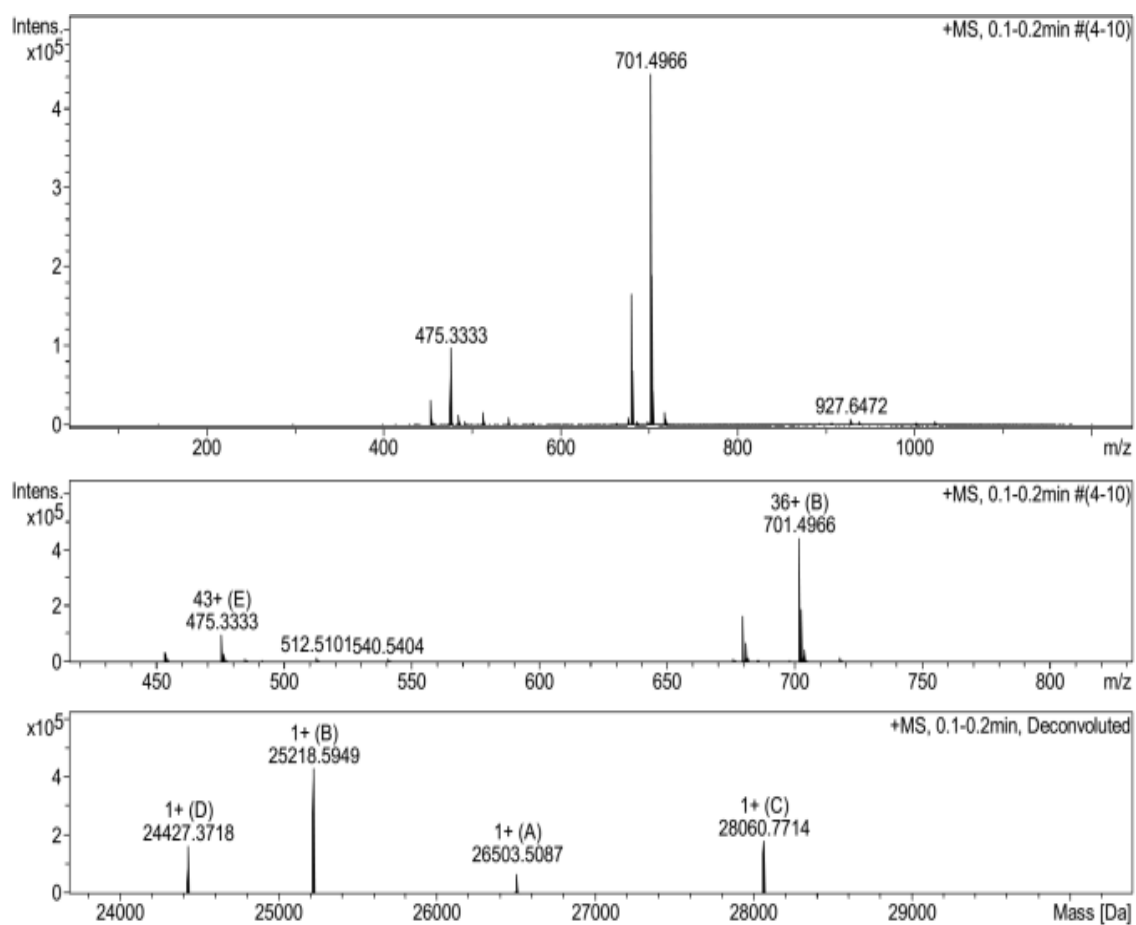


Fig S4: LC-HRMS of PVIm.

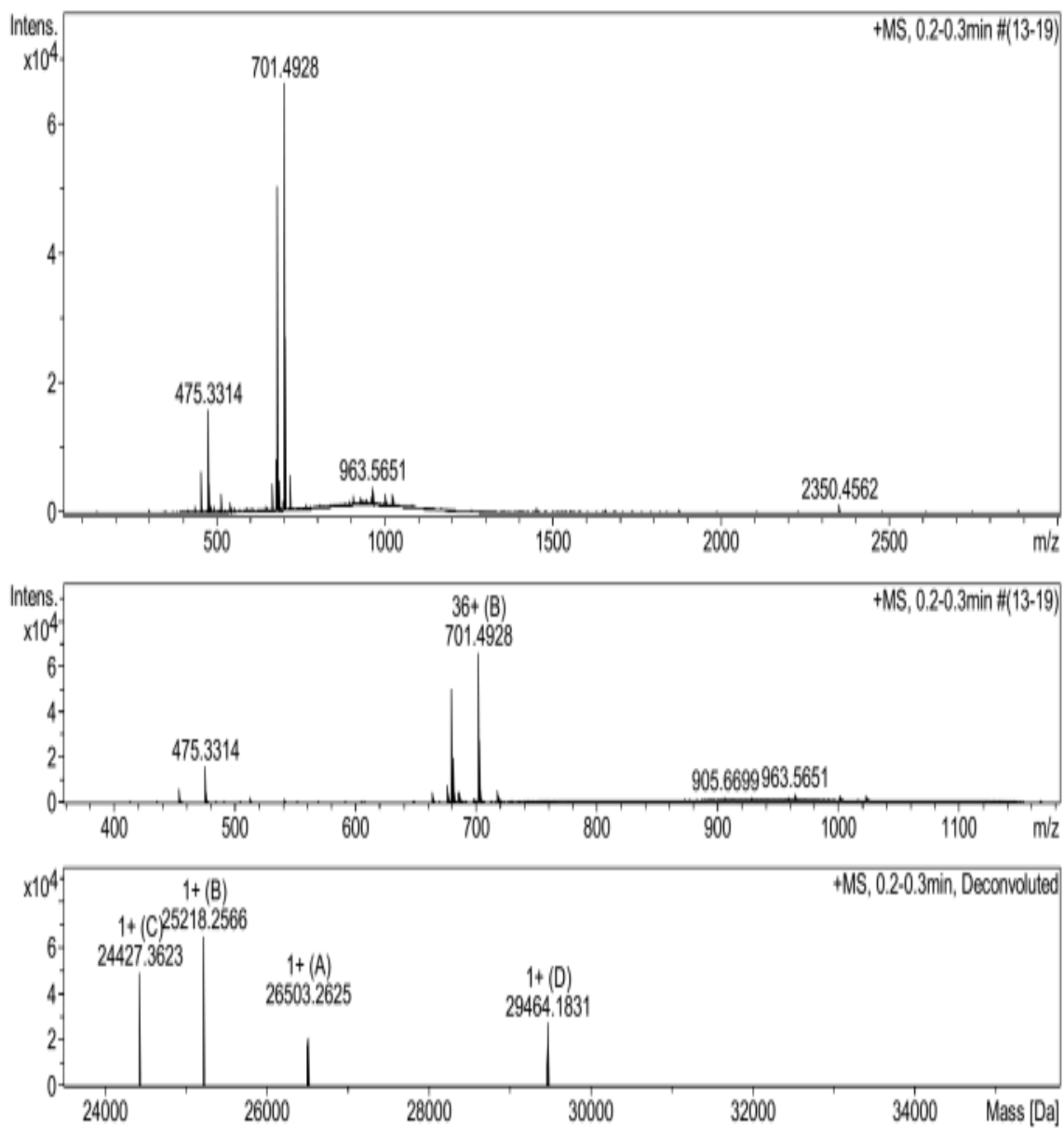


Fig S5: LC-HRMS of PVIm-OH.

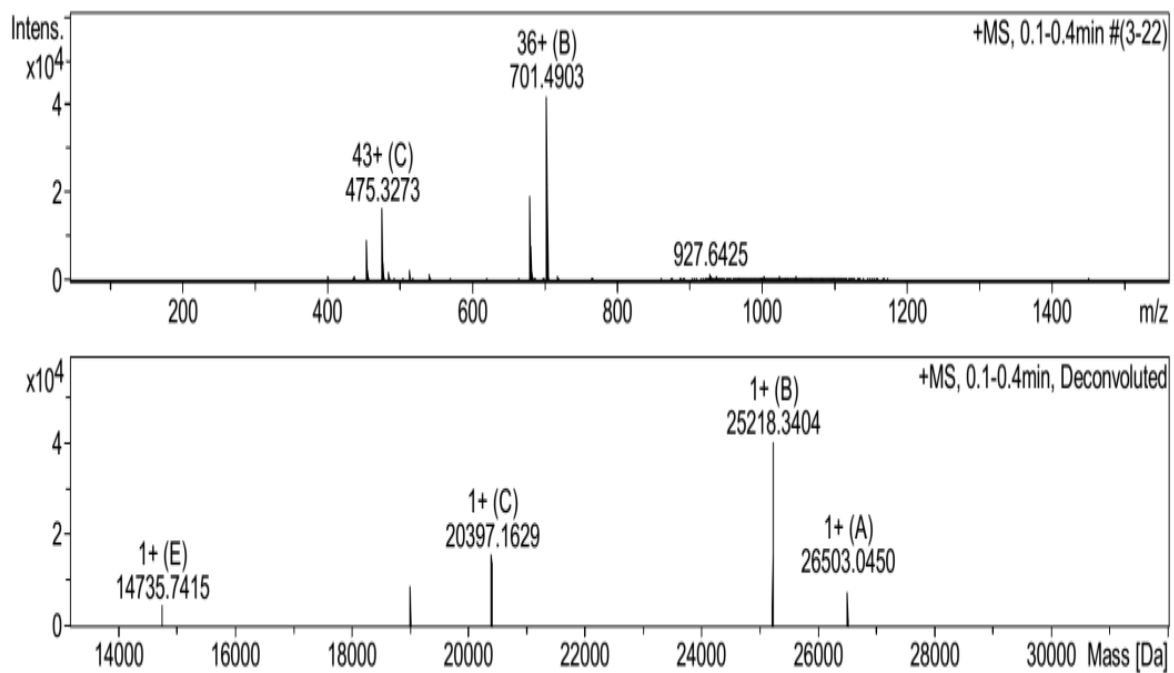


Fig S6: LC-HRMS of PVIm-NH₂.