

*Supplementary Information*

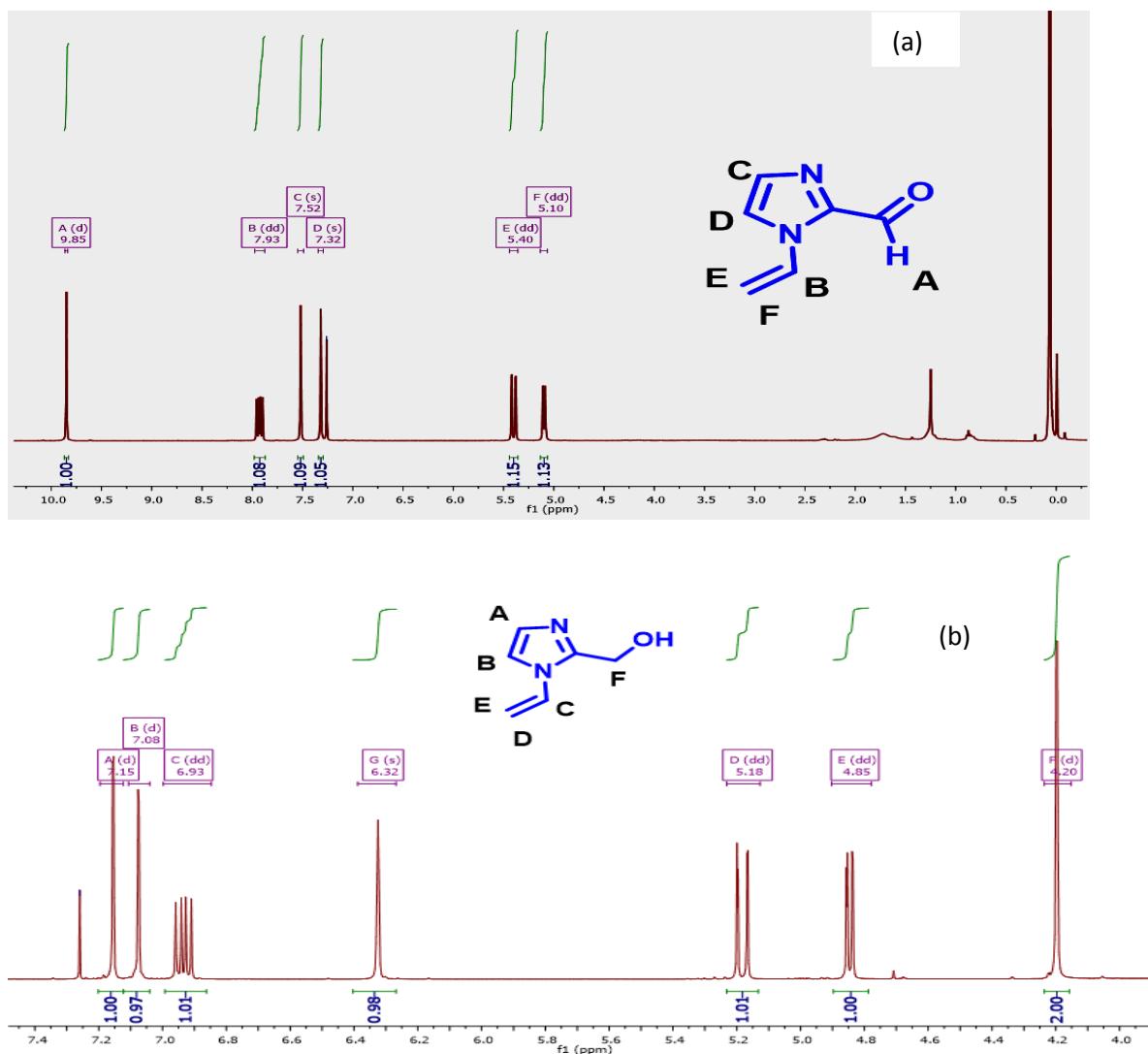
Ice-templated fabrication of porous imidazole based polymers for CO<sub>2</sub> adsorption

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AS-PN-135-A(500MHz)  
AS-PN-135-A(500MHz)  
PROTONRO MeOD /opt/topspin/AS/nmrsu 5

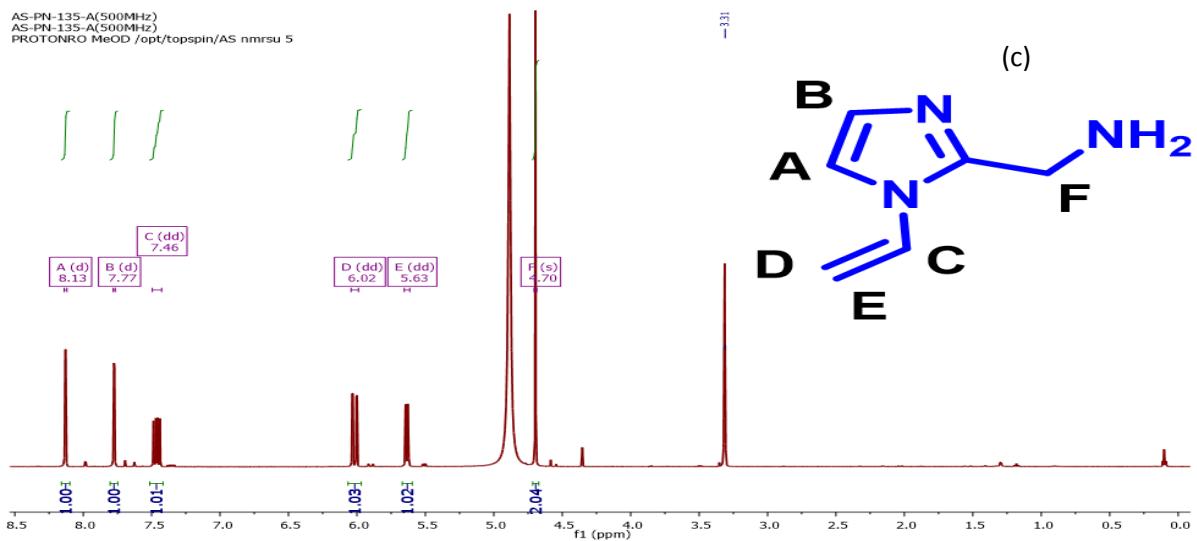
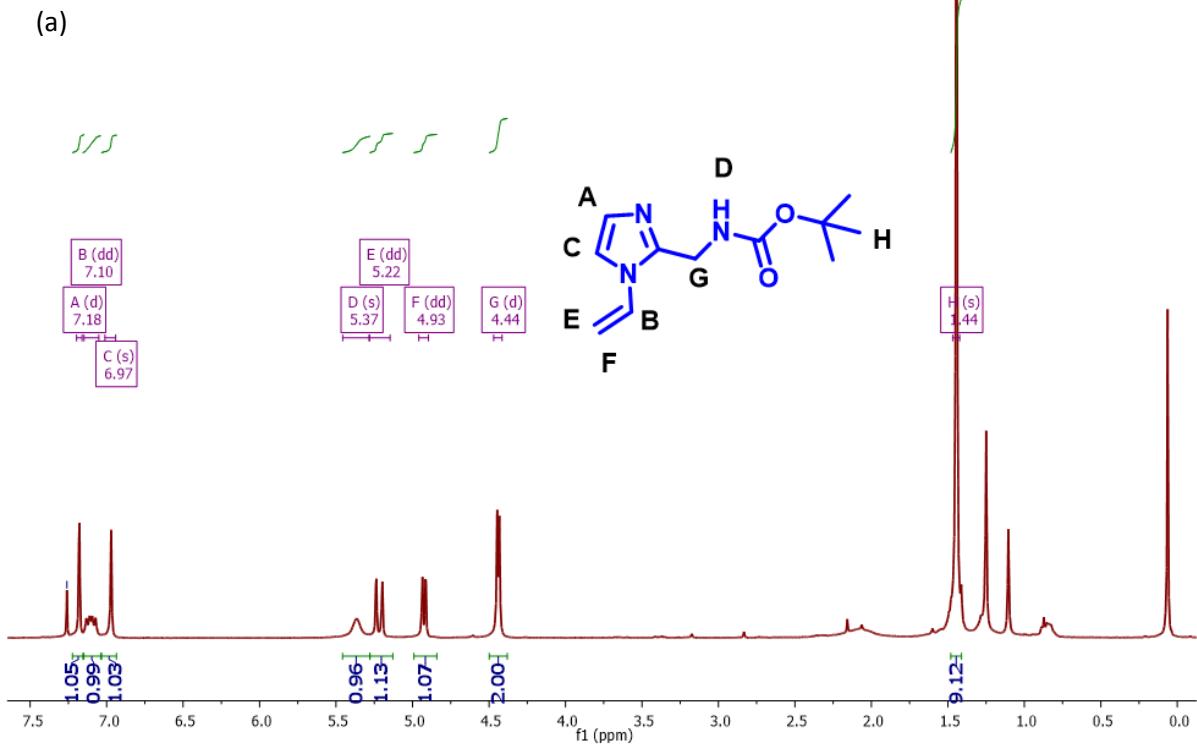


Fig. S1: <sup>1</sup>H-NMR spectra of (a) 1-Vinylimidazole-2-carbaldehyde, (b) 1-Vinylimidazole-2-methylalcohol and (c) 1-Vinylimidazole-2-methylamine

AS-PN-134-2-R  
PROTONRO CDCl<sub>3</sub> /opt/topspin/nmrsu/AS/AUG16 nmrsu



AS-PN-153  
AS-PN-153

(b)

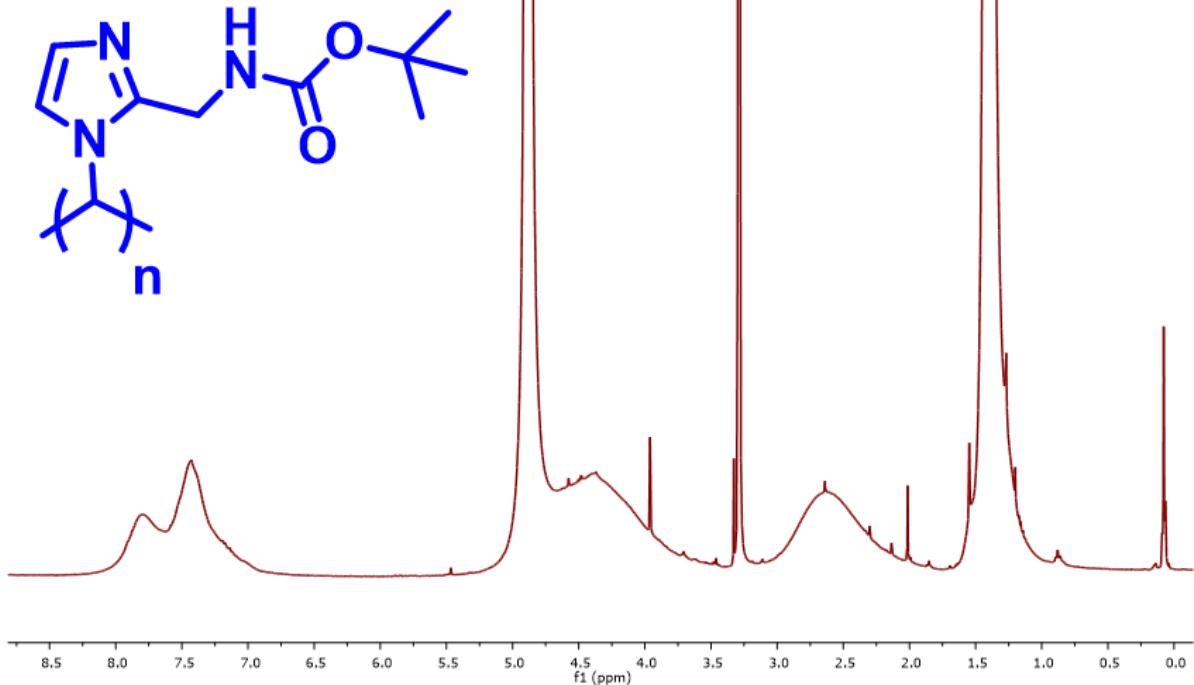
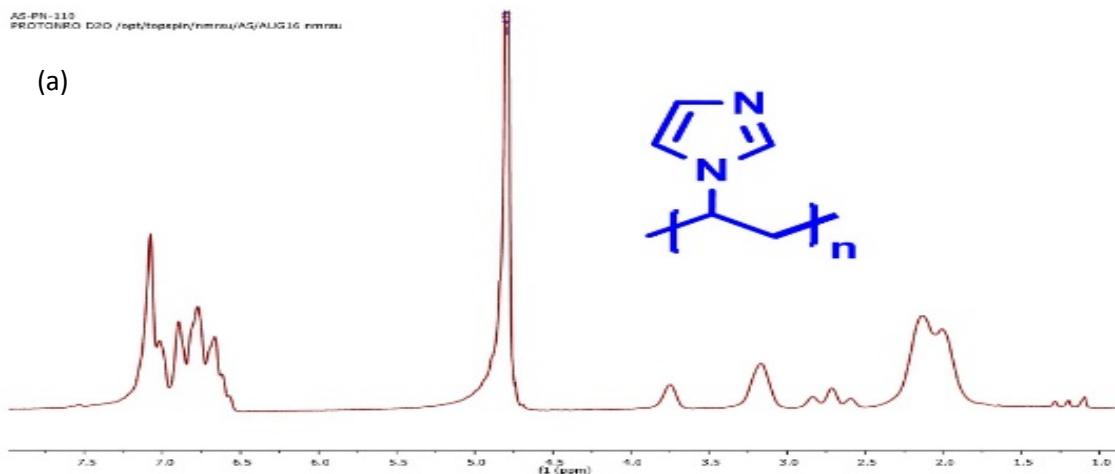


Fig. S2: <sup>1</sup>H-NMR spectra of BOC protected 1-Vinylimidazole-2-methylamine (a) monomer and (b) polymer

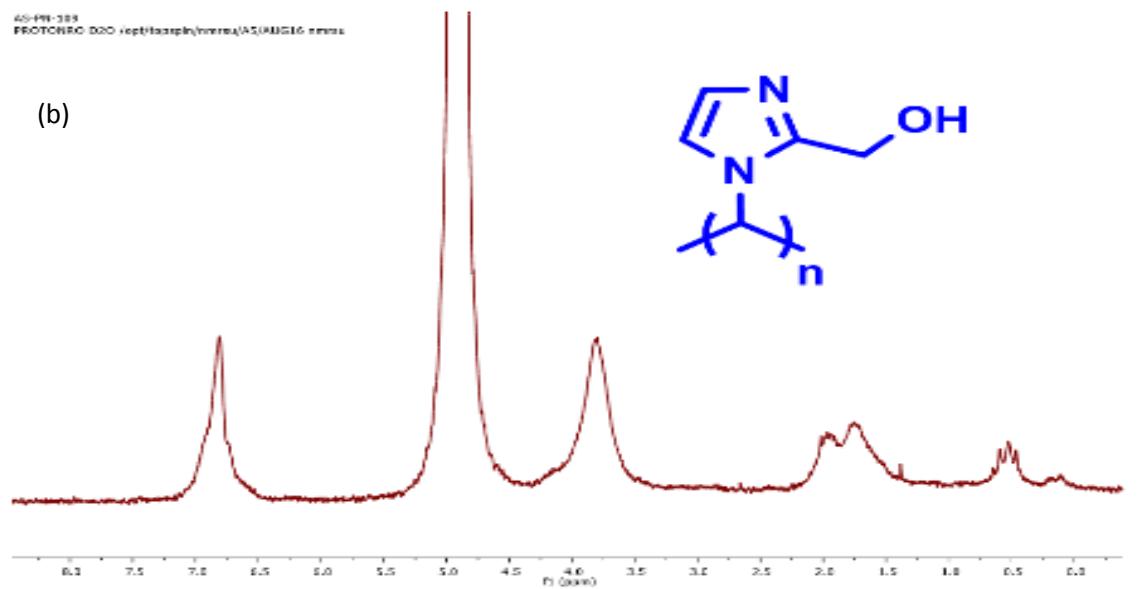
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(a)



AS-PP1-289  
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(b)



AS-PP1-154 (20M HCl)  
AS-PP1-155 (20M HCl)  
PROTONIC DDO reptilasepl/nmrca/AS/AUG16.msmr

(c)

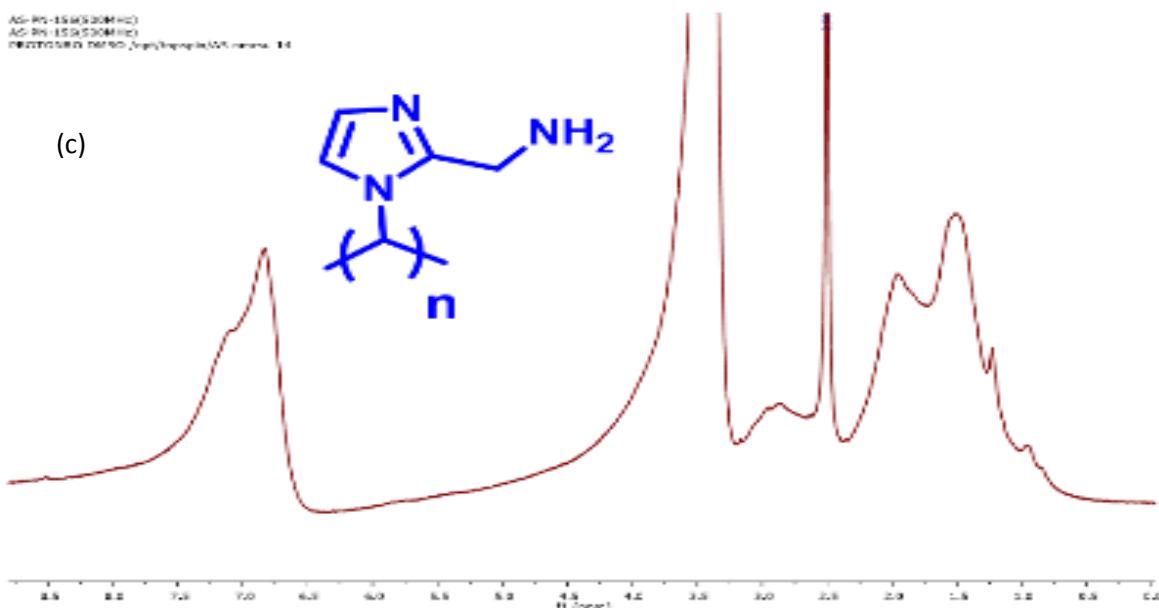


Fig S3: <sup>1</sup>H NMR spectra of (a) PVIm, (b) PVIm-OH, (c) PVIm-NH<sub>2</sub> respectively.

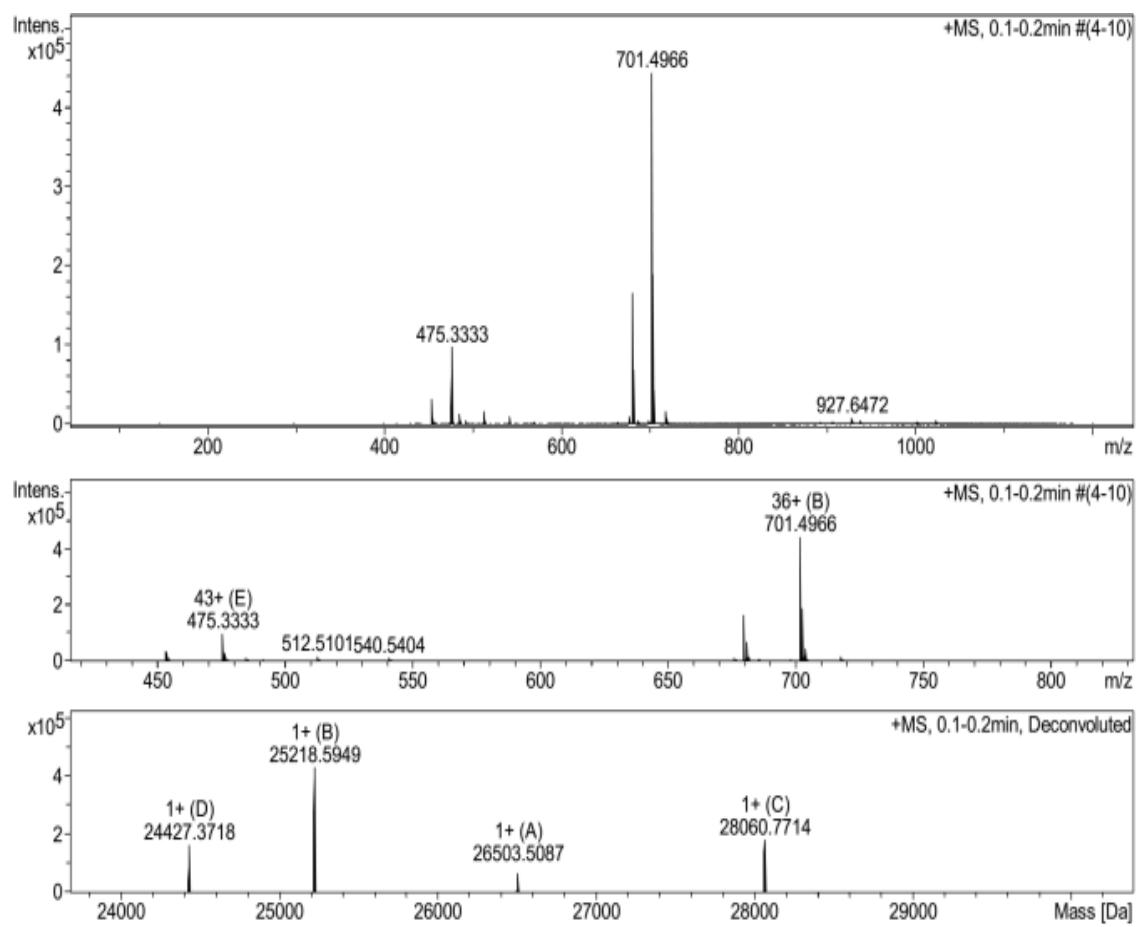


Fig S4: LC-HRMS of PVIm.

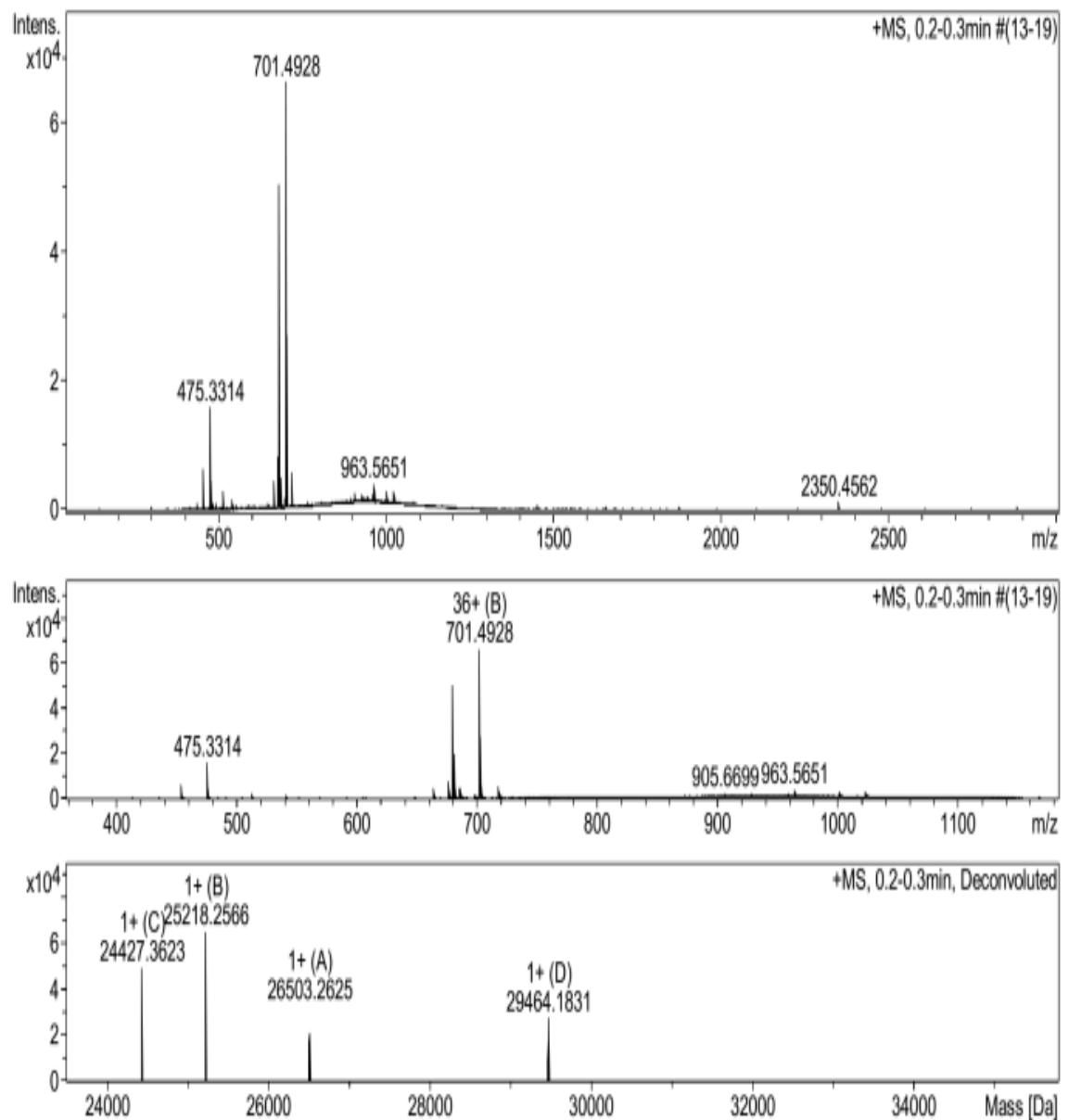


Fig S5: LC-HRMS of PVIm-OH.

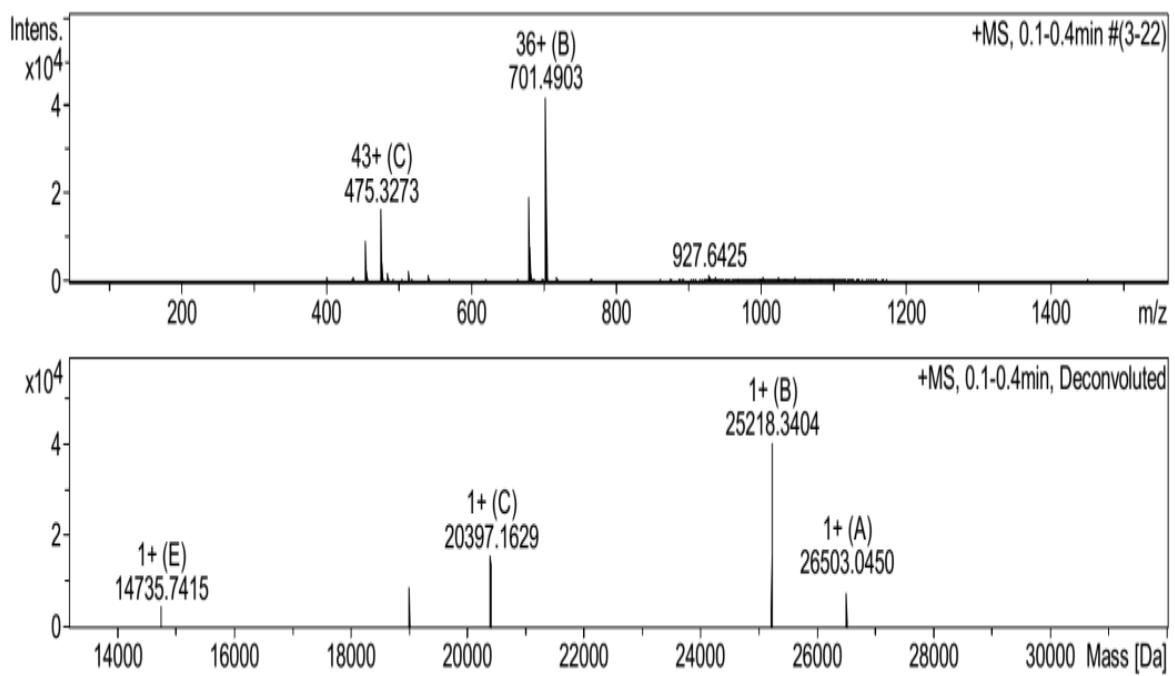


Fig S6: LC-HRMS of PVIm-NH<sub>2</sub>.