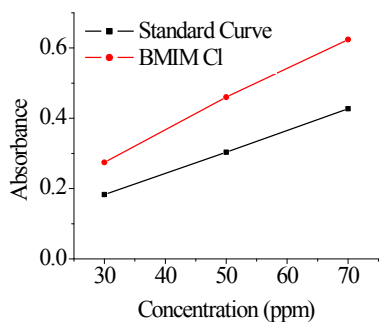
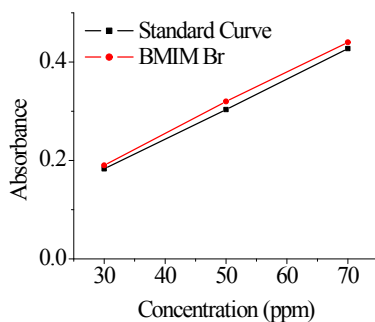


ELECTRONIC SUPPLEMENTARY INFORMATION

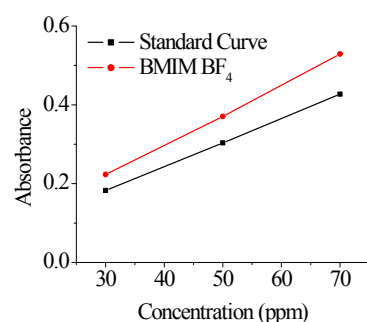
Figure S1: UV absorption showing the effect of ionic liquids on TBS in toluene (TBS:ILs=1:1). (a) Effect of [BMIM]⁺[Cl]⁻ (b) Effect of [BMIM]⁺[Br]⁻ (c) Effect of [BMIM]⁺[BF₄]⁻ (d) Effect of [BMIM]⁺[H₂PO₄]⁻ (e) Effect of [BMIM]⁺[HSO₄]⁻ (f) Effect of [BMIM]⁺[PF₆]⁻ (g) Effect of [HMIM]⁺[Br]⁻ (h) Effect of [HMIM]⁺[HSO₄]⁻ (i) Effect of [OMIM]⁺[Cl]⁻



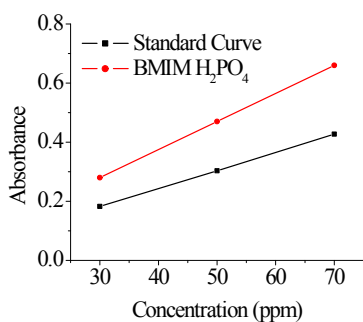
(a)



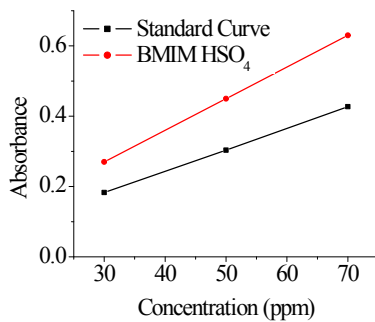
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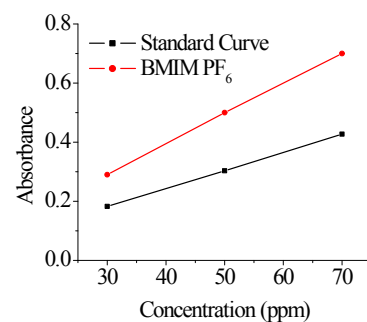
(c)



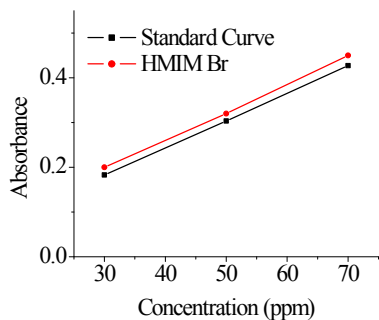
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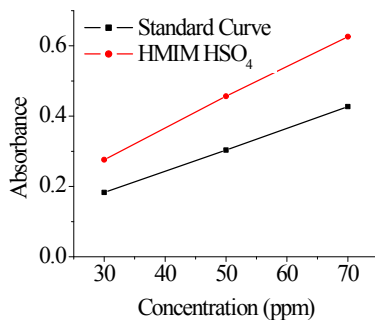
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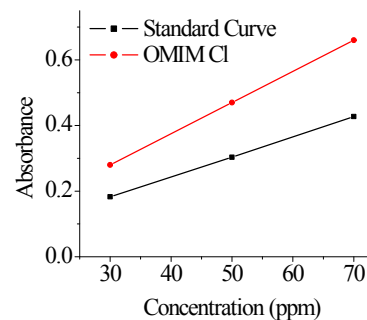
(f)



(g)

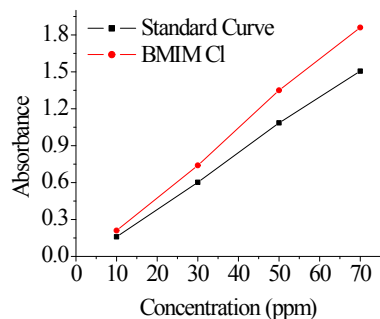


(h)

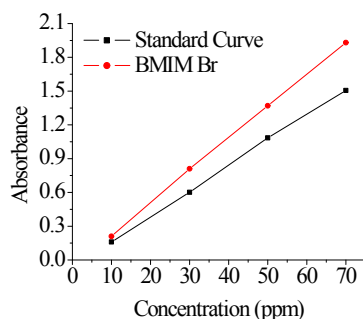


(i)

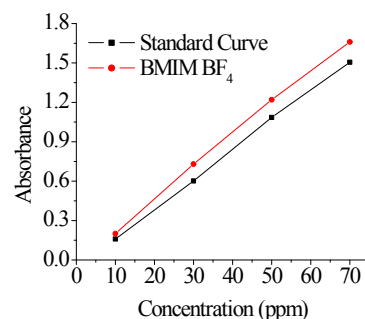
Figure S2: UV absorption showing the effect of ionic liquids on TBS in decane (TBS:ILs=1:1). (a) Effect of [BMIM]⁺[Cl]⁻ (b) Effect of [BMIM]⁺[Br]⁻ (c) Effect of [BMIM]⁺[BF₄]⁻ (d) Effect of [BMIM]⁺[H₂PO₄]⁻ (e) Effect of [BMIM]⁺[HSO₄]⁻ (f) Effect of [BMIM]⁺[PF₆]⁻ (g) Effect of [HMIM]⁺[Br]⁻ (h) Effect of [HMIM]⁺[HSO₄]⁻ (i) Effect of [OMIM]⁺[Cl]⁻



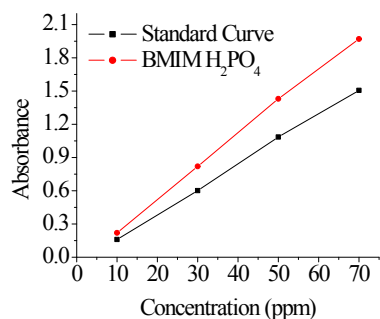
(a)



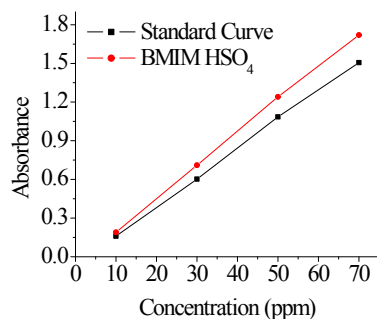
(b)



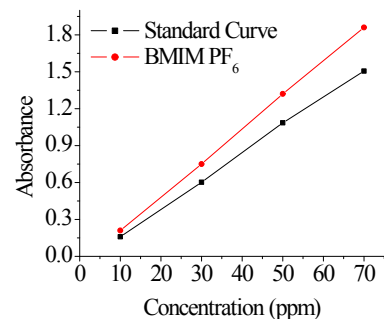
(c)



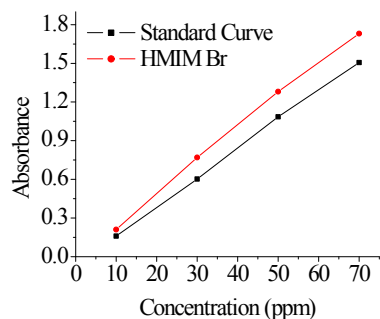
(d)



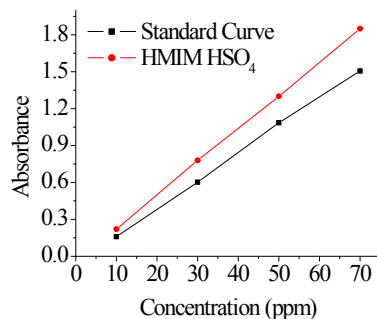
(e)



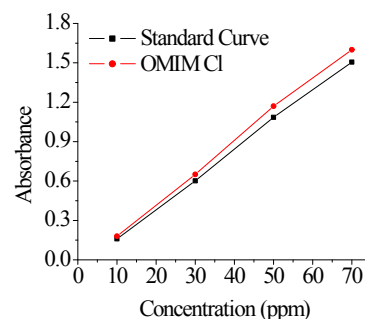
(f)



(g)



(h)



(i)

Figure S3: UV absorption showing the effect of ionic liquids on TBS in ethyl acetate (TBS:ILs=1:1). (a) Effect of [BMIM]⁺[Cl]⁻ (b) Effect of [BMIM]⁺[Br]⁻ (c) Effect of [BMIM]⁺[BF₄]⁻ (d) Effect of [BMIM]⁺[H₂PO₄]⁻ (e) Effect of [BMIM]⁺[HSO₄]⁻ (f) Effect of [BMIM]⁺[PF₆]⁻ (g) Effect of [HMIM]⁺[Br]⁻ (h) Effect of [HMIM]⁺[HSO₄]⁻ (i) Effect of [OMIM]⁺[Cl]⁻

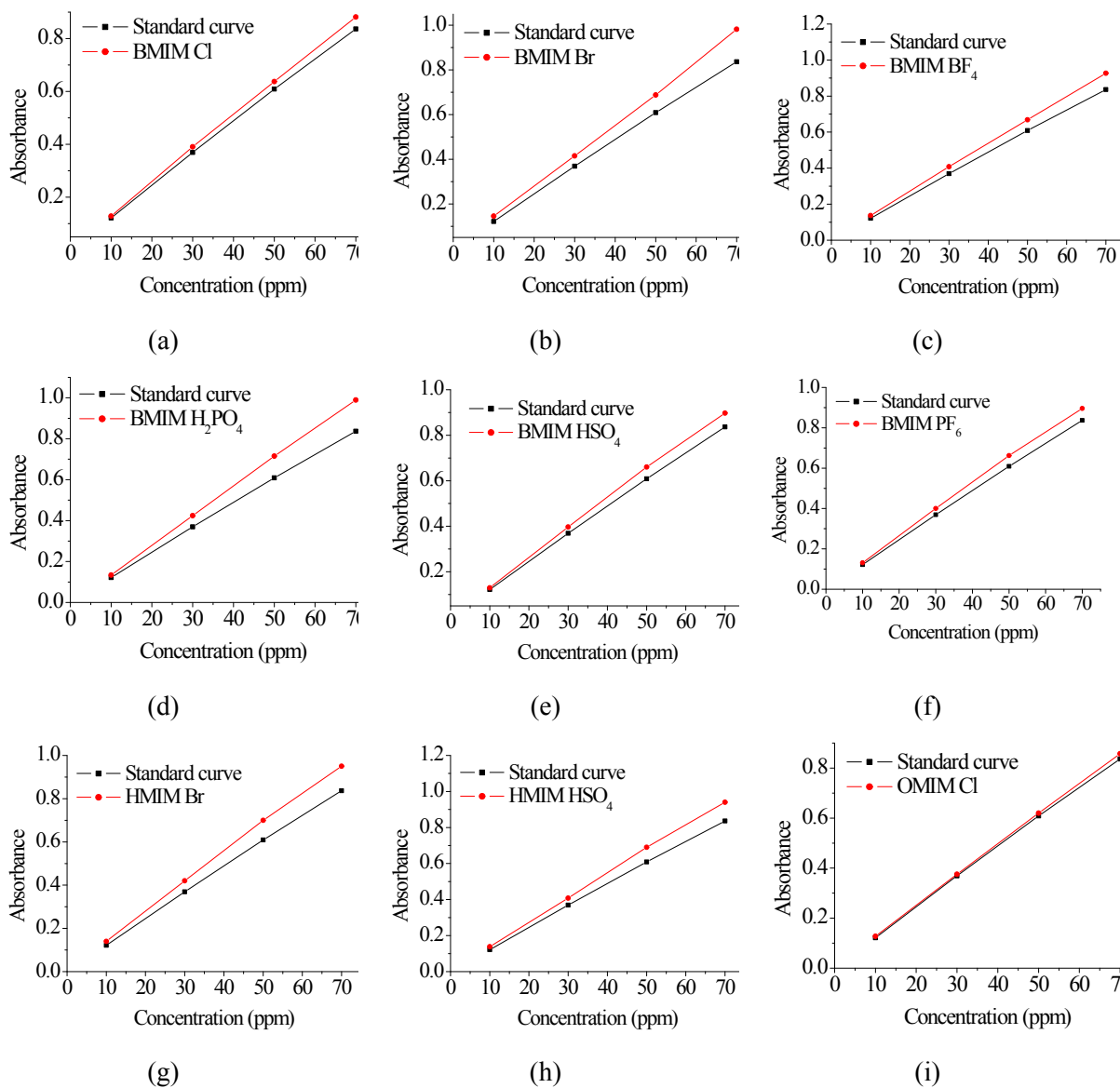
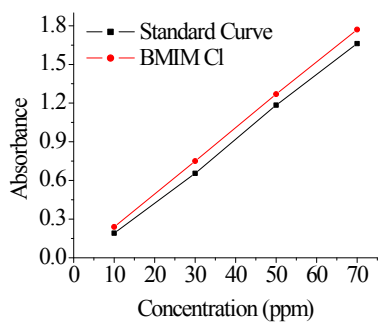
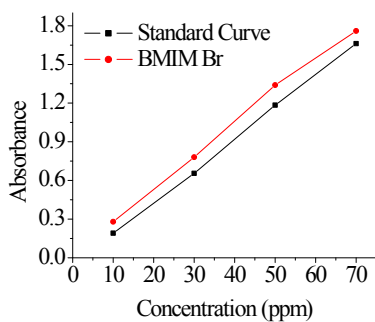


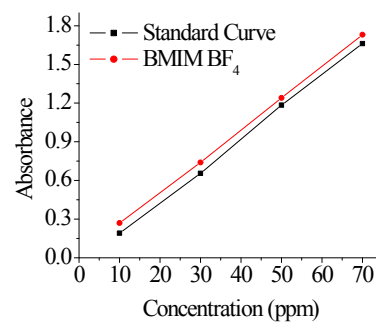
Figure S4: UV absorption showing the effect of ionic liquids on TBS in hexane (TBS:ILs=1:1). (a) Effect of [BMIM]⁺[Cl]⁻ (b) Effect of [BMIM]⁺[Br]⁻ (c) Effect of [BMIM]⁺[BF₄]⁻ (d) Effect of [BMIM]⁺[H₂PO₄]⁻ (e) Effect of [BMIM]⁺[HSO₄]⁻ (f) Effect of [BMIM]⁺[PF₆]⁻ (g) Effect of [HMIM]⁺[Br]⁻ (h) Effect of [HMIM]⁺[HSO₄]⁻ (i) Effect of [OMIM]⁺[Cl]⁻



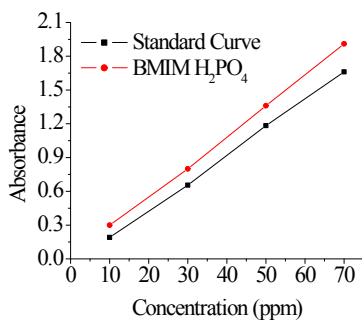
(a)



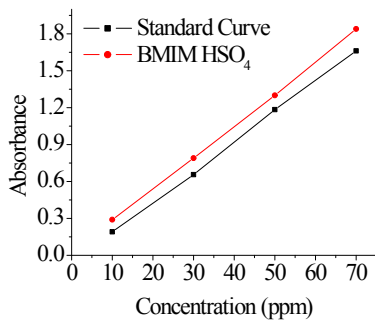
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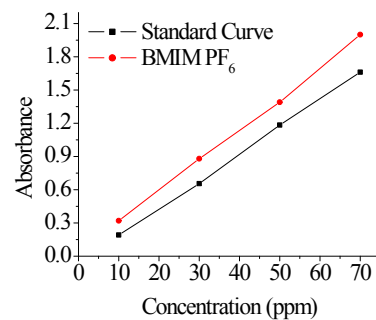
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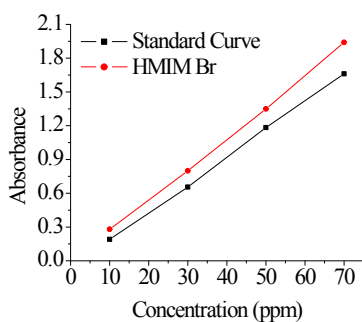
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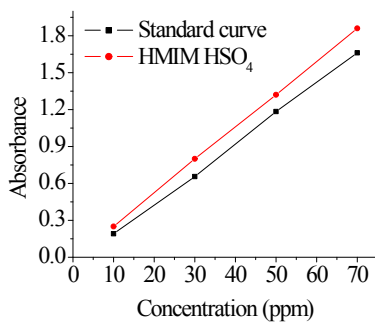
(e)



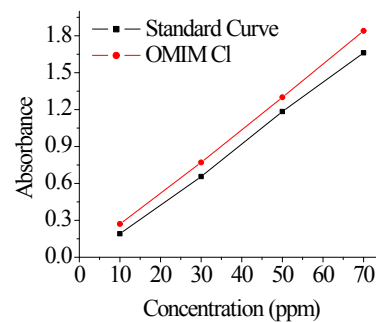
(f)



(g)

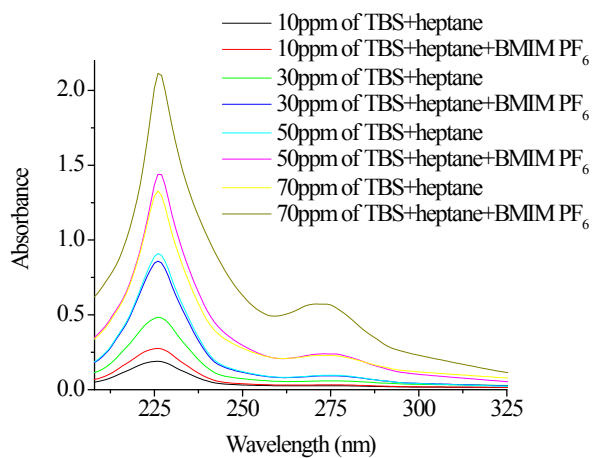


(h)

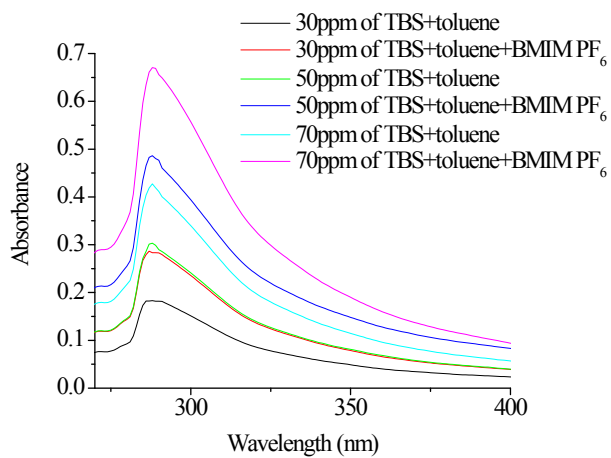


(i)

Figure S5: Full scan UV spectra of TBS in (i) heptane and (ii) toluene, both in the absence and presence of BMIM PF₆ at different concentrations.



(i)



(ii)