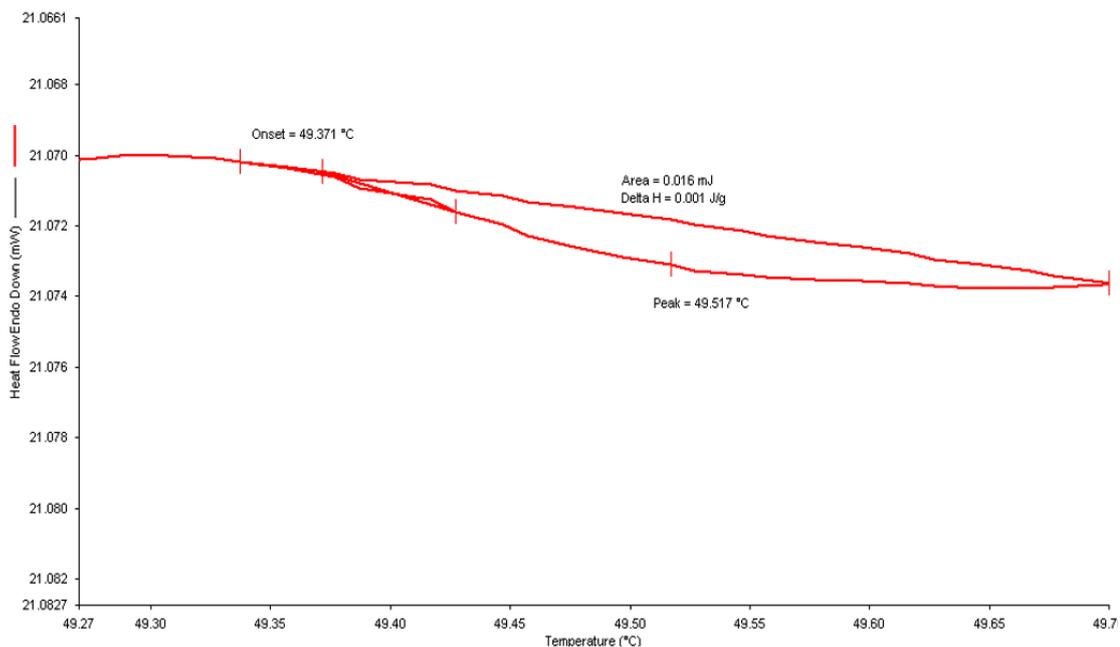
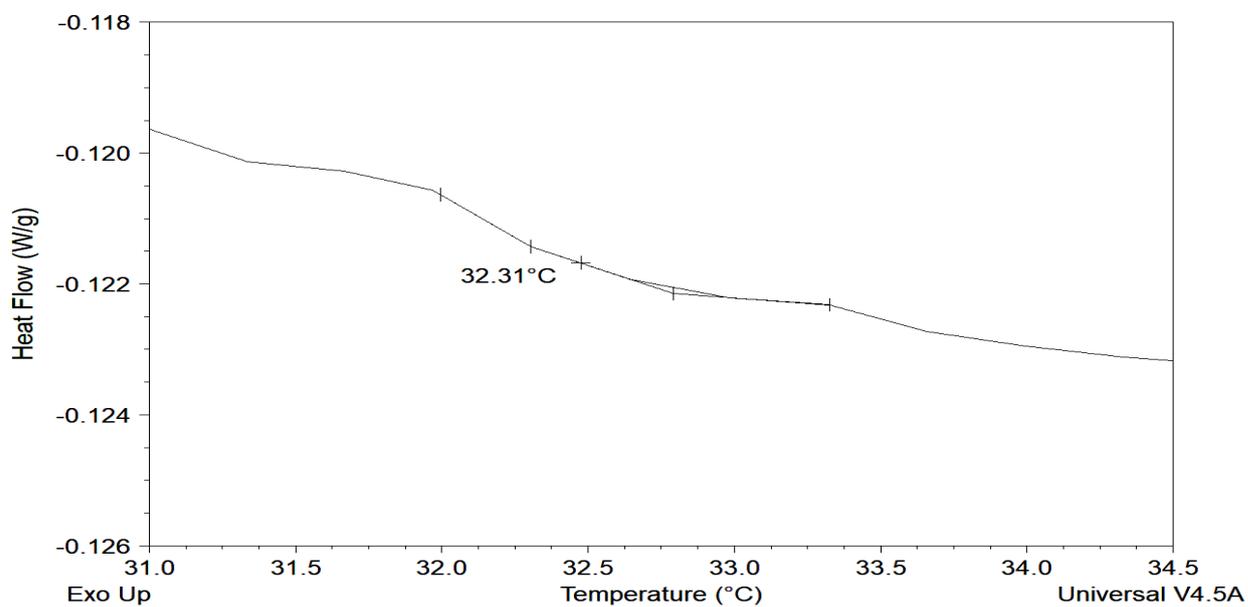


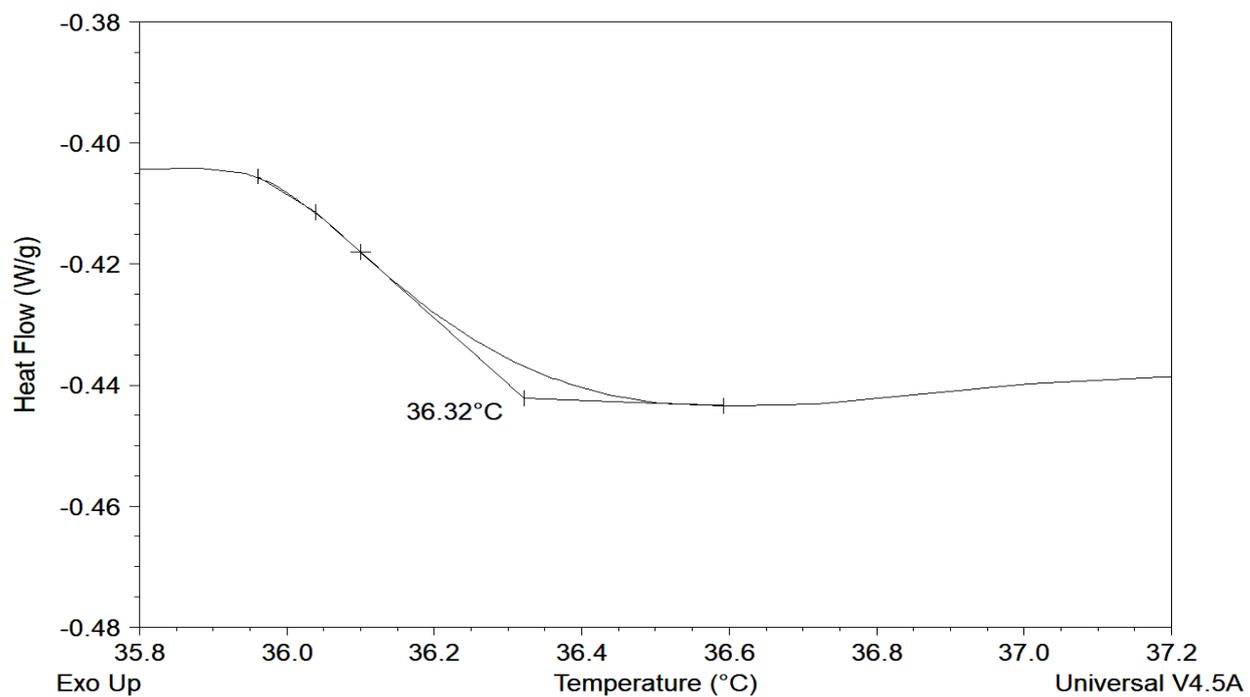
## Supplementary Figures



**Figure S1.** The thermogram illustrating the LCST of PNVCL based copolymer S1 (30NVP/70NVCL) aqueous solution.



**Figure S2.** The thermogram illustrating the LCST of NVCL based copolymer S2 (30DMAAm/70NVCL) aqueous solution.



**Figure S3.** The thermogram illustrating the LCST of NVCL based terpolymer S3 (15NVP/15DMAAm/70NVCL) aqueous solution.