Electronic Supplementary Material (ESI) for CrystEngComm.

Gel-assisted Synthesis of Oleate-modified Fe_3O_4@Ag Composite Microspheres as Magnetic SERS Probe for Thiram Detection

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Supporting Information

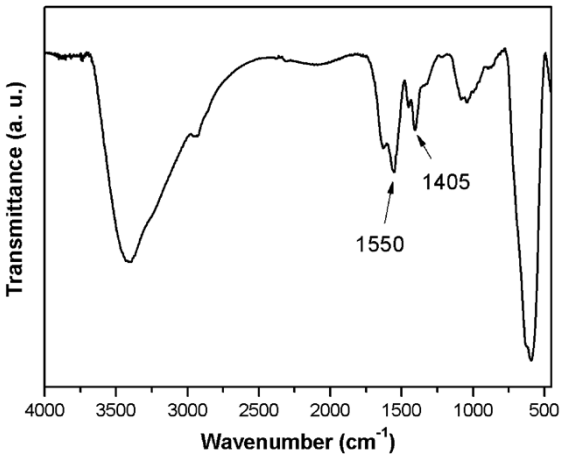

Fig. S1 FTIR spectrum of polyacrylate modified Fe_3O_4 microspheres.

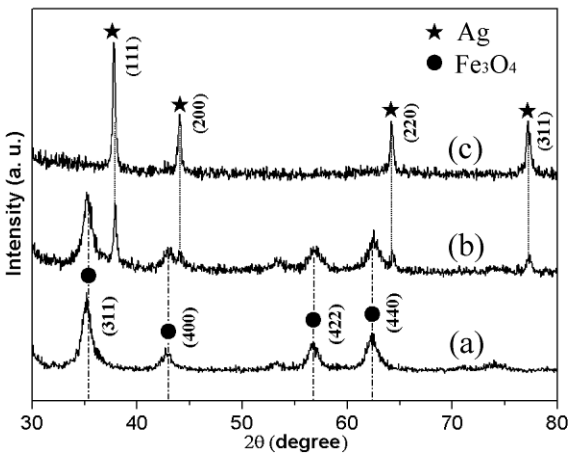

Fig. S2 XRD patterns of (a) Fe_3O_4 microspheres, (b) Fe_3O_4 microspheres with Ag seeds, and (c) Fe_3O_4@Ag composite microspheres.

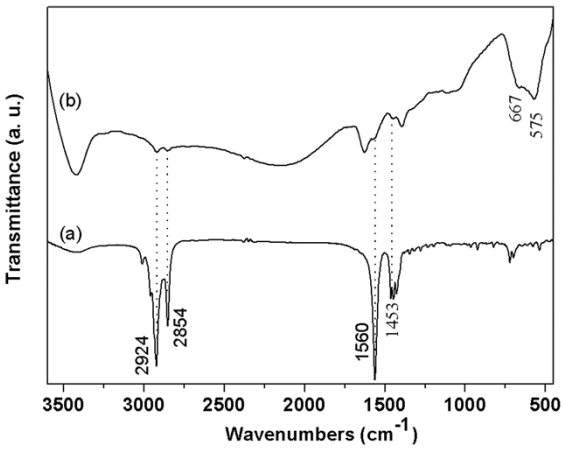

Fig. S3 FTIR spectra of (a) Fe_3O_4@Ag composite microspheres and (b) sodium oleate.

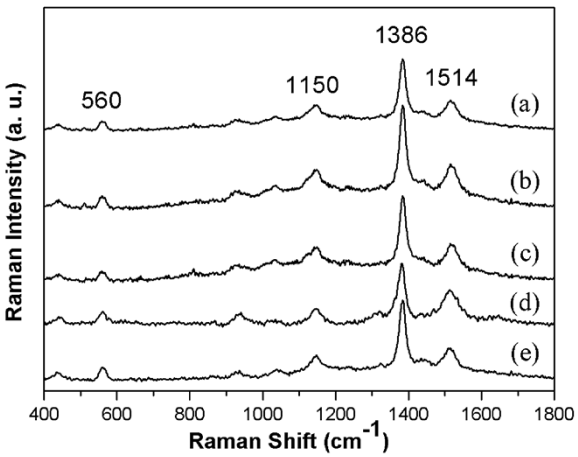

Fig. S4 SERS spectra collected from five different spots by using Fe_3O_4@Ag composite microspheres as SERS substrate.