

Surface-enhanced Raman Spectroscopy (SERS) for the detection of VX and HD in gas phase using a hand-held Raman spectrometer

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Supplementary Information:

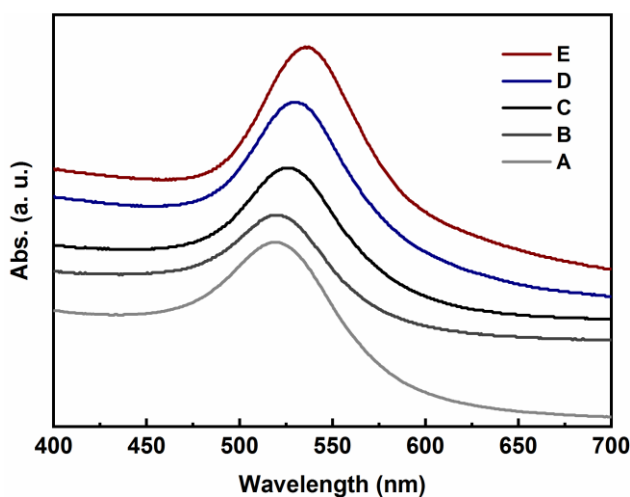


Fig. S1: UV-Vis spectra of Au colloidal suspensions B-E grown by iterative NH_2OH seeding of ~ 12 nm diameter Au colloidal suspension (A).

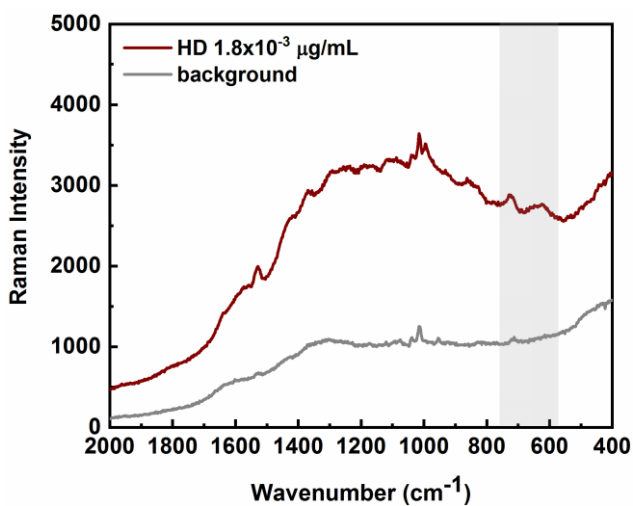


Fig. S2: SERS spectra of HD at LOD concentration and background in Au colloidal suspensions, accumulation time 10 s.

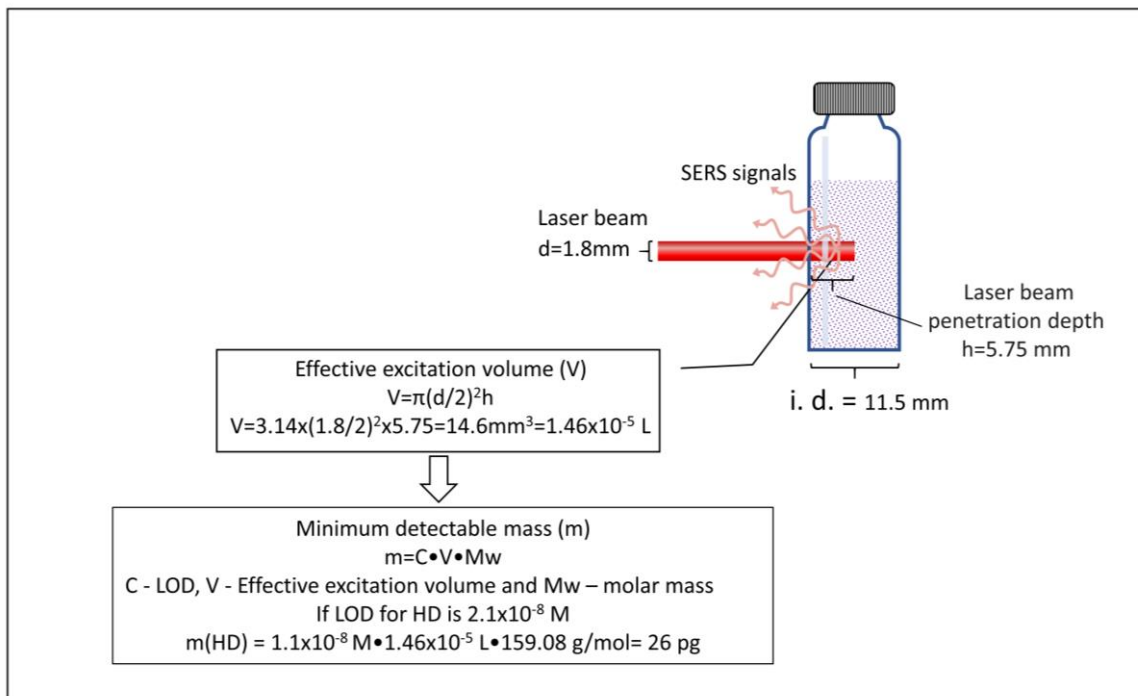


Fig. S3: Estimation of minimum detectable mass.

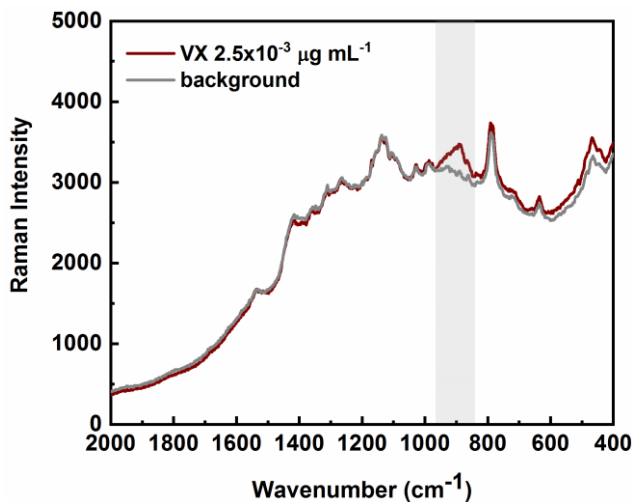


Fig. S4: SERS spectra of VX at LOD concentration and background in Au colloidal suspensions, accumulation time 1 s.