

Supplementary Information

Solution Processable Organic-Inorganic Hybrids Based on Pyrene Functionalized Mixed Cubic Silsesquioxanes as Emitters in OLEDs

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Figures.

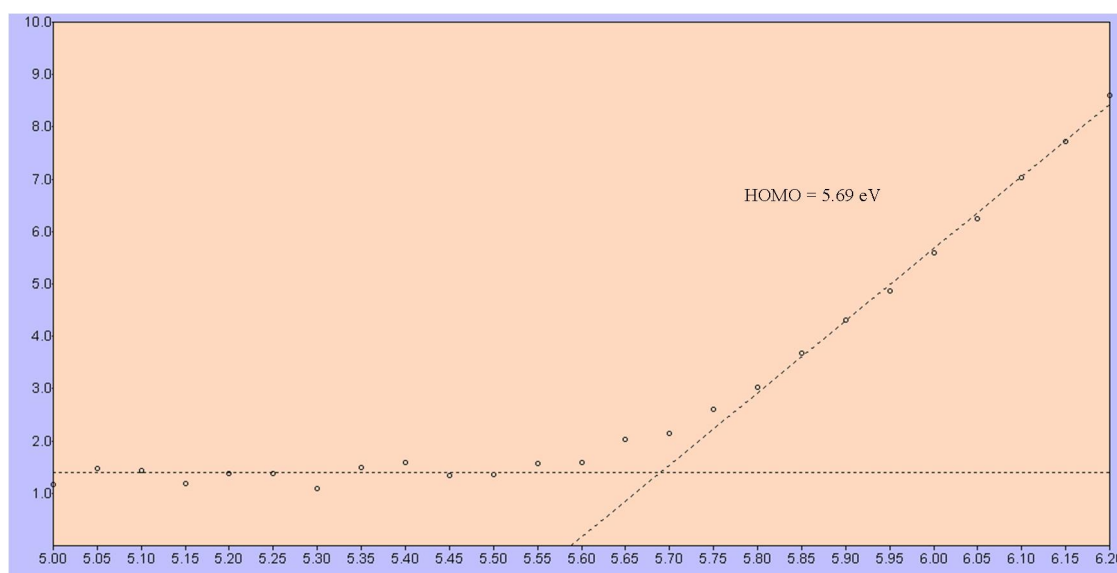


Figure S1. Photo Electron Spectroscopy in Air (PESA) for OVS (glass substrate, light intensity 30.8 nW, power number 0.3)

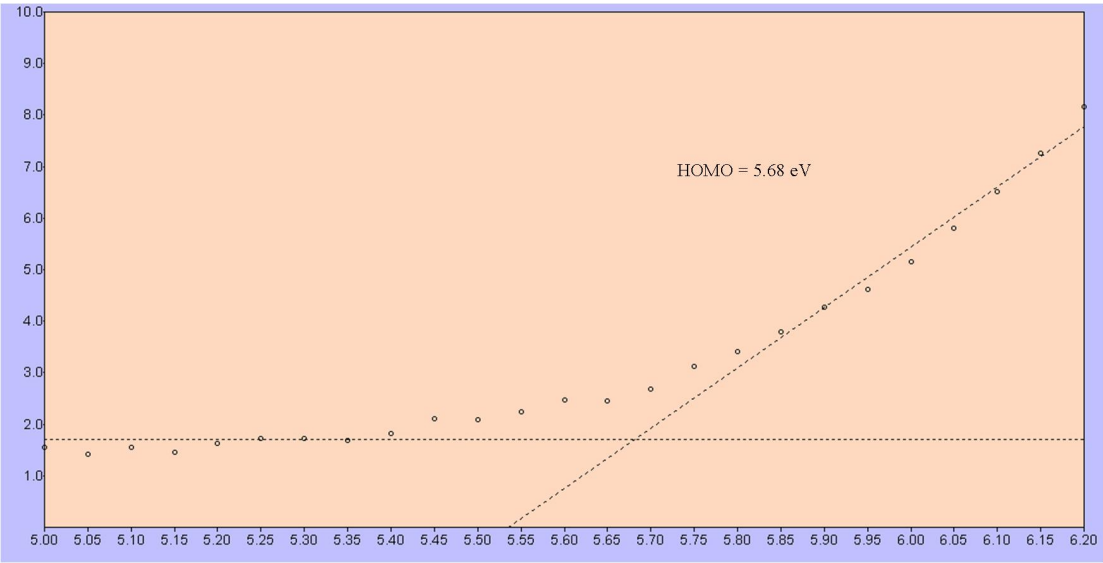


Figure S2. Photo Electron Spectroscopy in Air (PESA) for MVS. (glass substrate, light intensity 80.7 nW, power number 0.3)

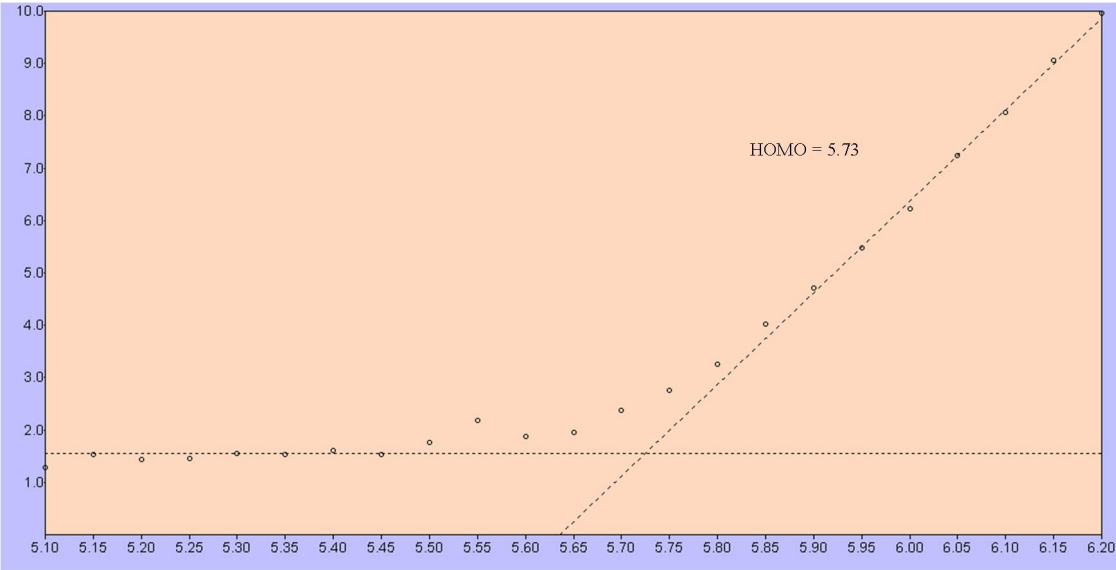


Figure S3. Photo Electron Spectroscopy in Air (PESA) for MixVS (glass substrate, light intensity 30.8 nW, power number 0.3)

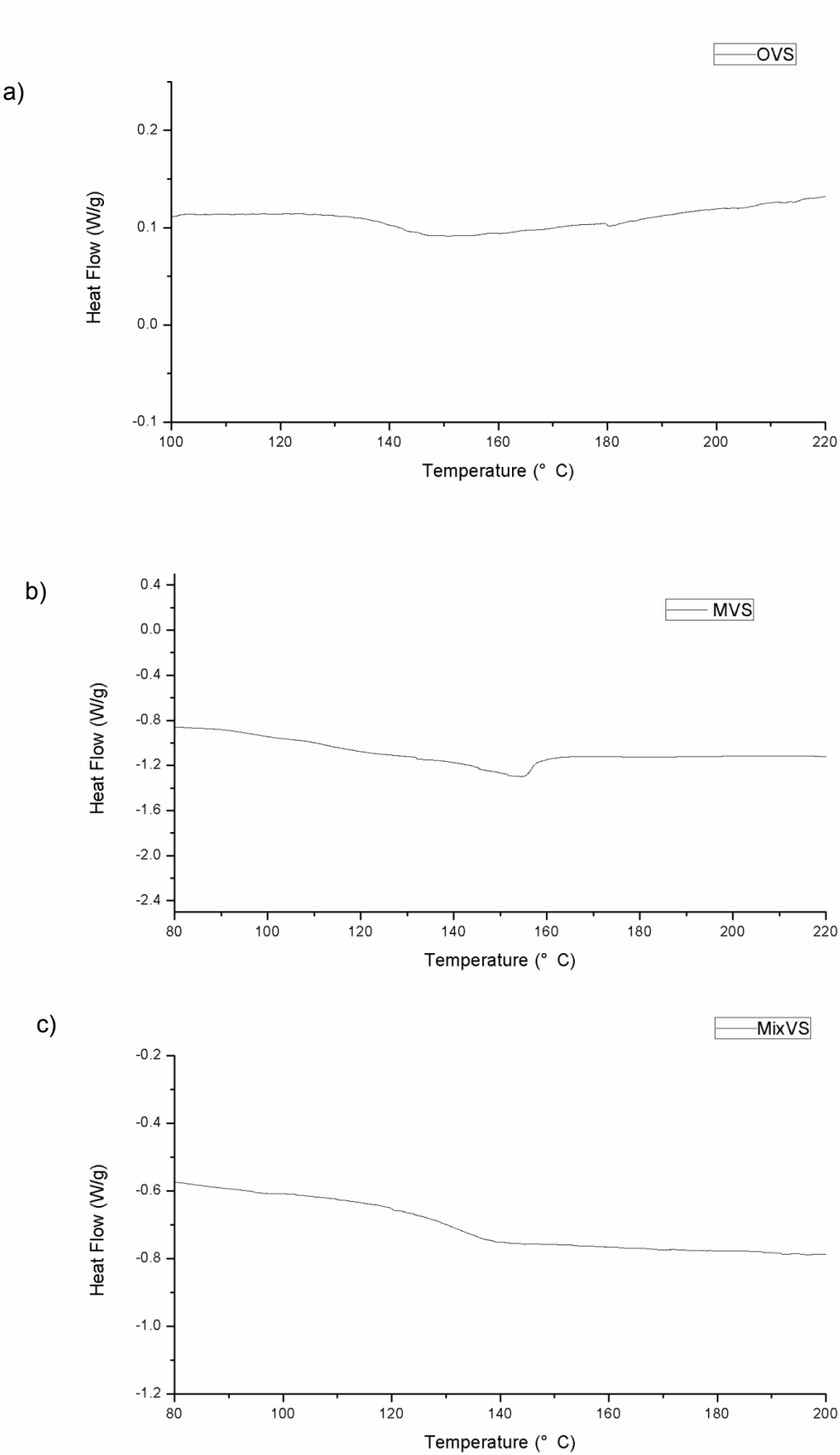


Figure S4. DSC of the a) OVS, b) MVS, c) MixVS (second cycle, rate flow 10⁰C/min)

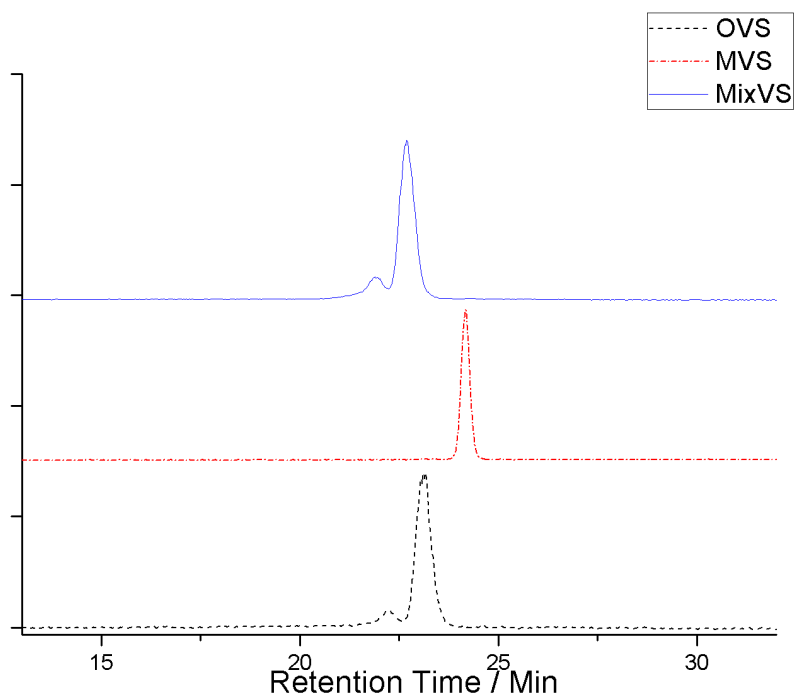
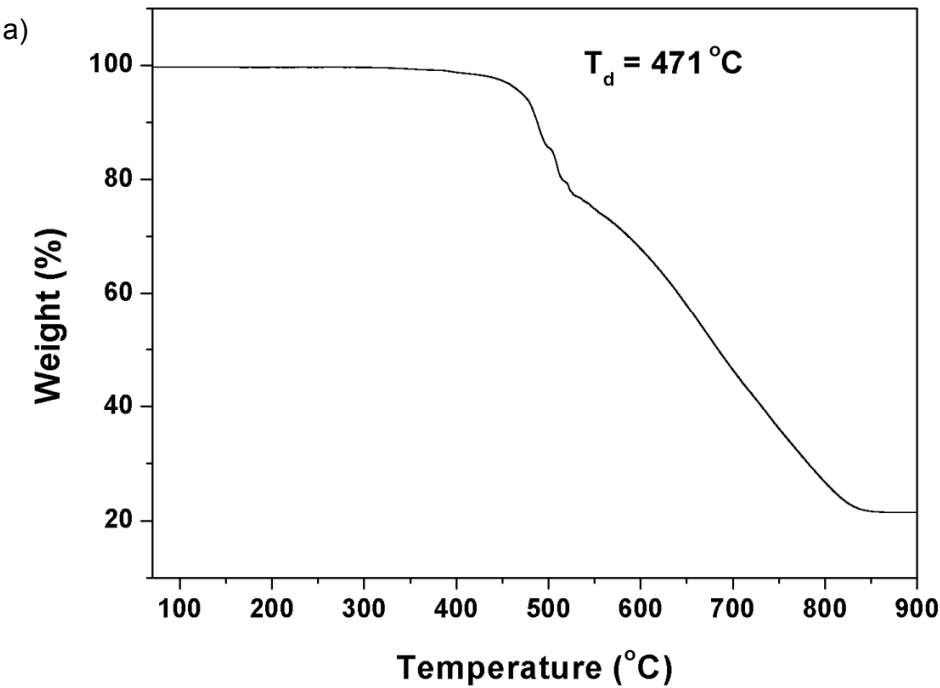


Figure S5. GPC of OVS, MVS and MixVS (black, red and blue respectively)



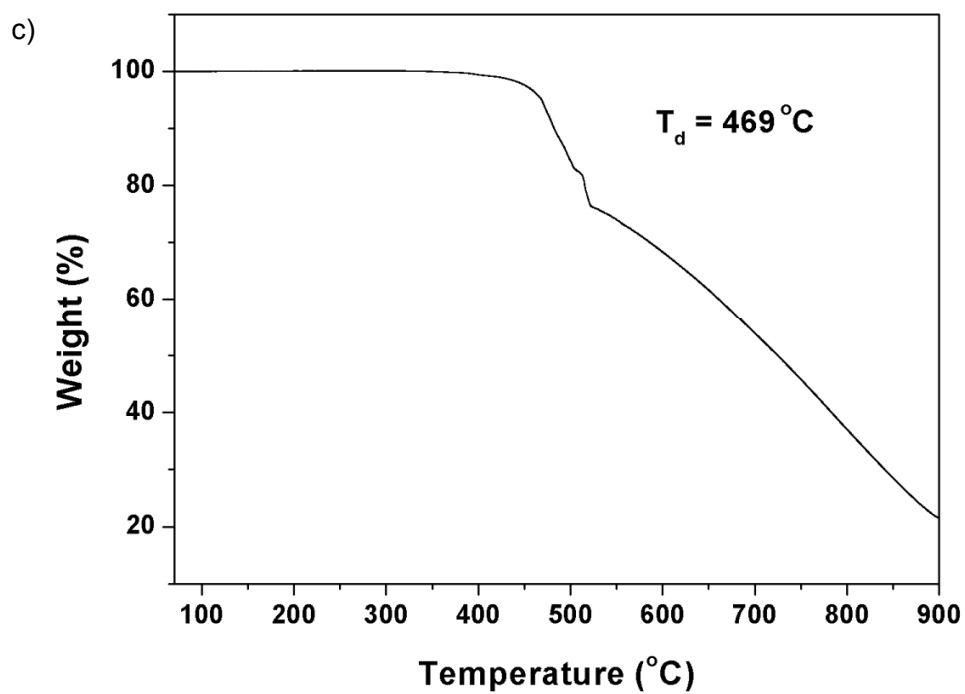
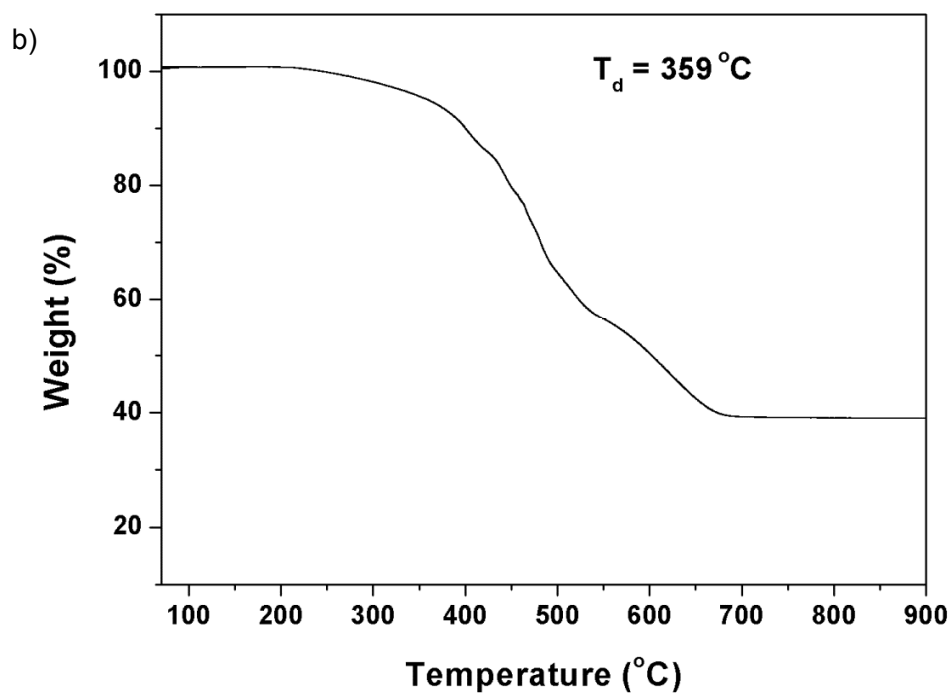


Figure S6. TGA of a) OVS, b) MVS, c) MixVS

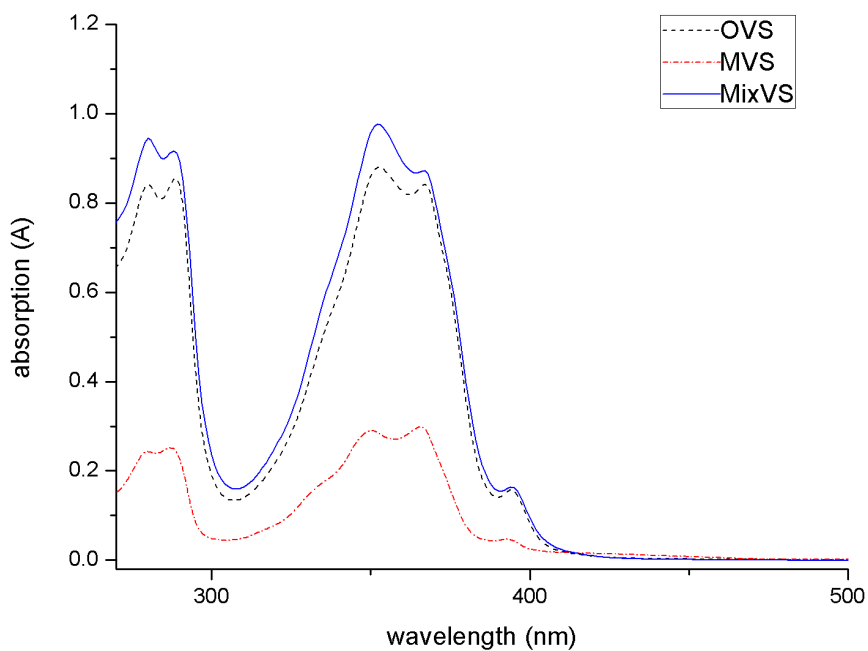


Figure S7. UV-Vis absorption spectra for OVS, MVS and MixVS (black, red and blue respectively). Concentrations used were 5.03×10^{-6} , 1.01×10^{-5} M and 4.75×10^{-6} M in CH_2Cl_2 respectively.

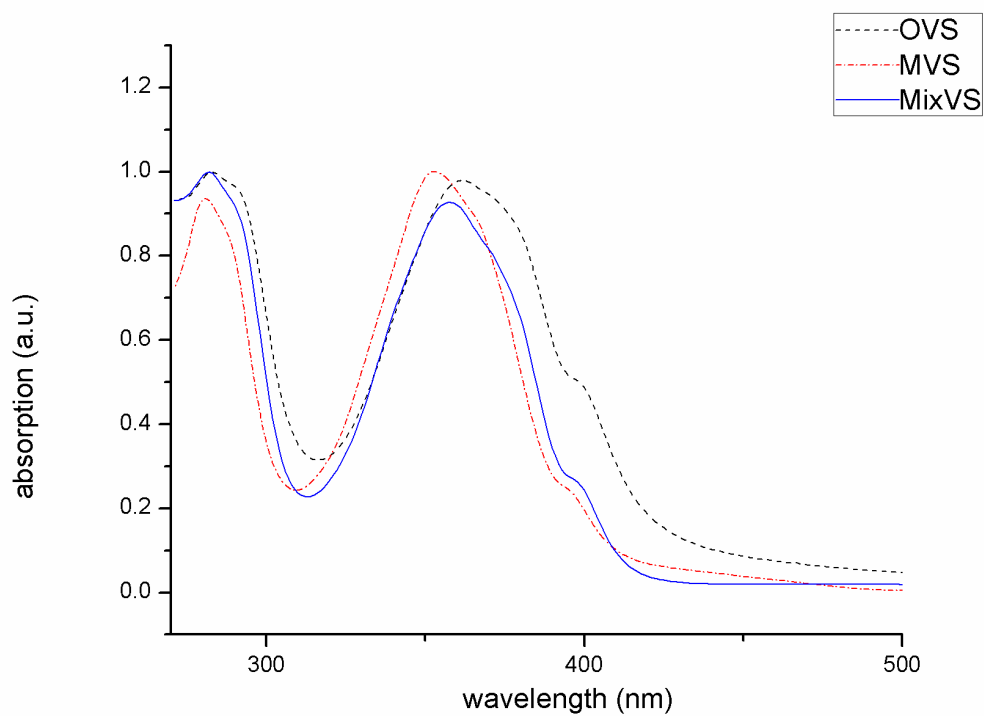


Figure S8. UV-Vis absorption spectra on thin films for OVS, MVS and MixVS (black, red and blue respectively). Normalized data.

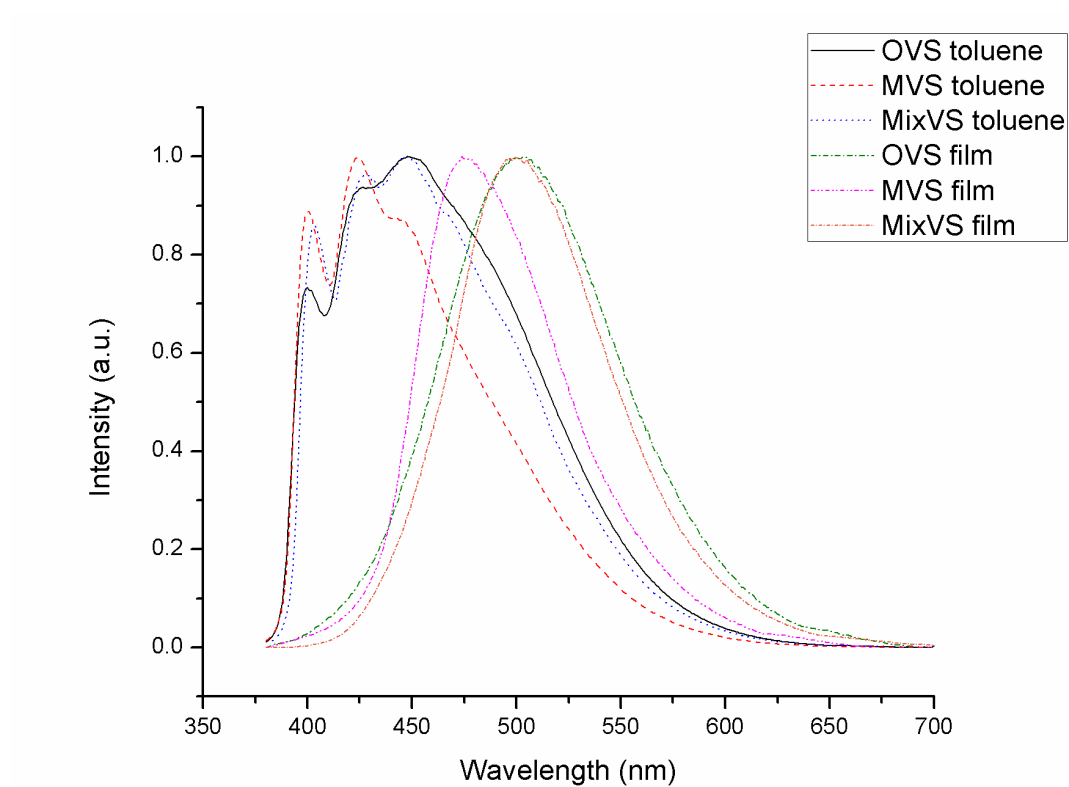


Figure S9. Photoluminescence (PL) spectra for OVS, MVS and MixVS in toluene solutions (black, red and blue respectively). and on thin films (green, pink and orange respectively). Normalized data.

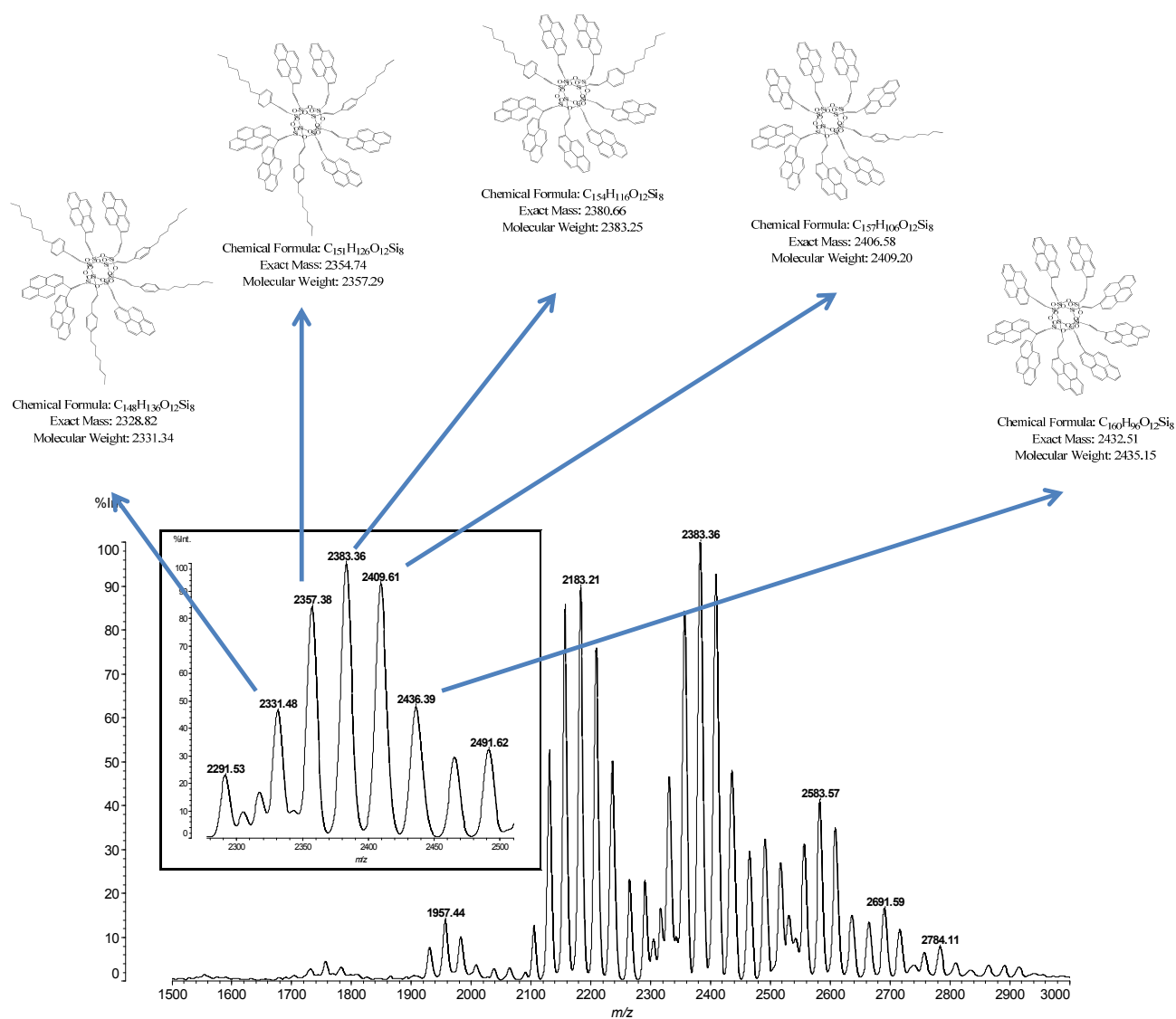


Figure S10. MALDI spectrum for OVS

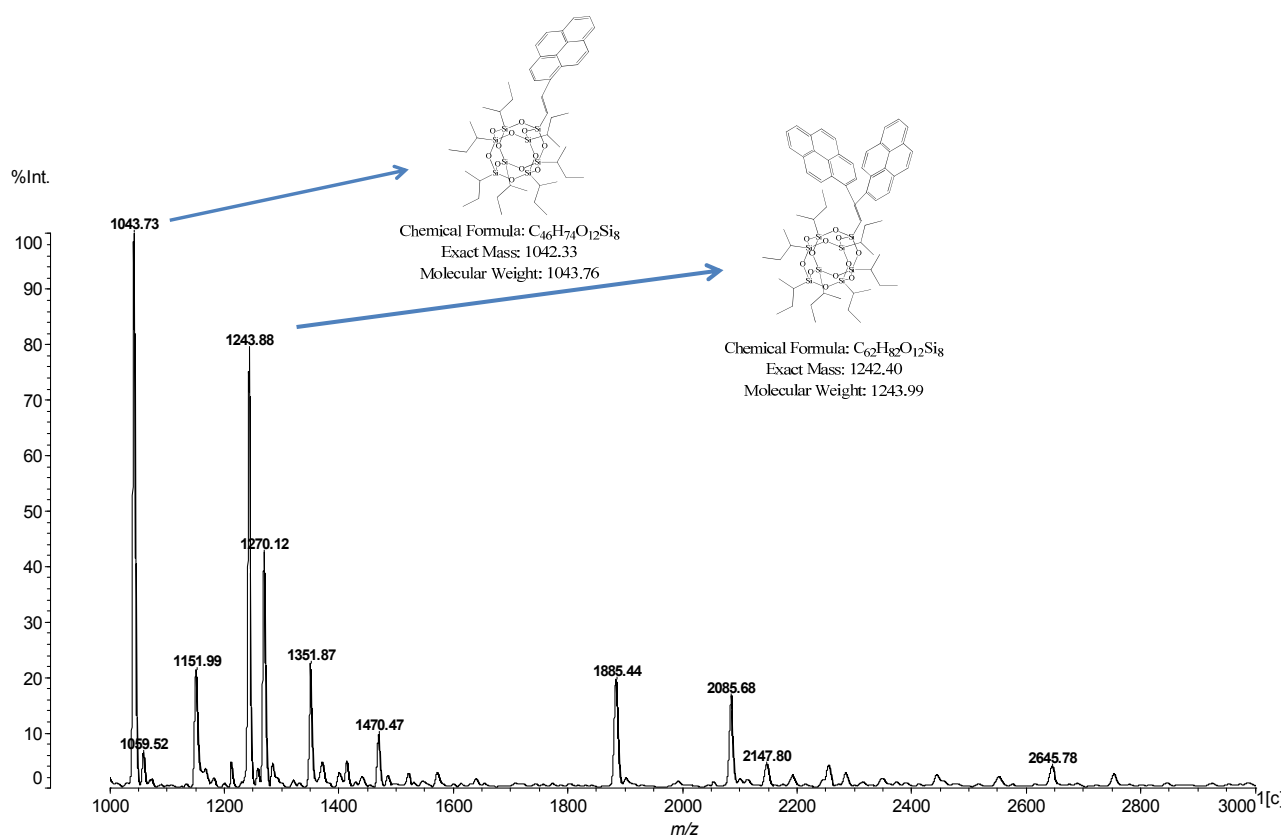


Figure S11. MALDI spectrum for MVS