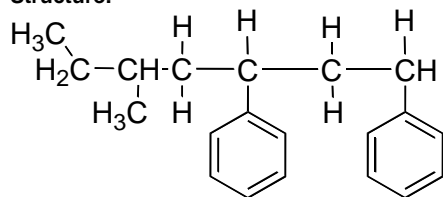


Sample Name: styrene -266

Sample #: P10166C-S266

Structure:



Exact Mass: 266.2

Mol. Wt.: 266.4

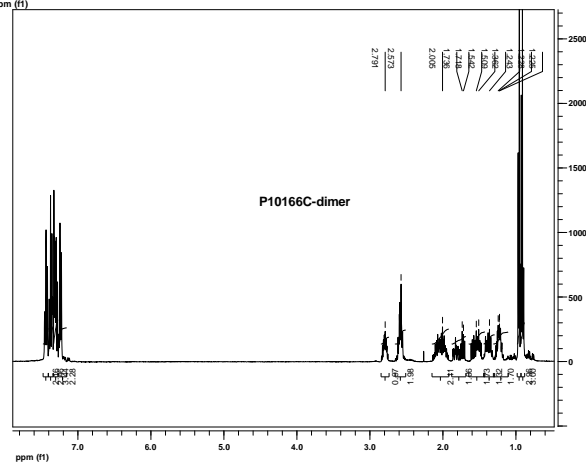
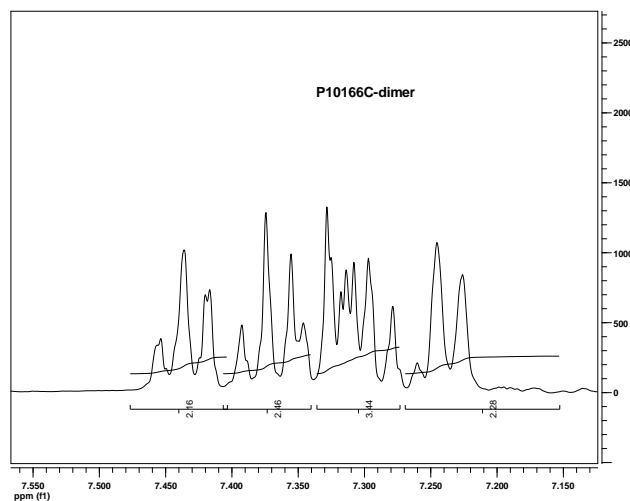
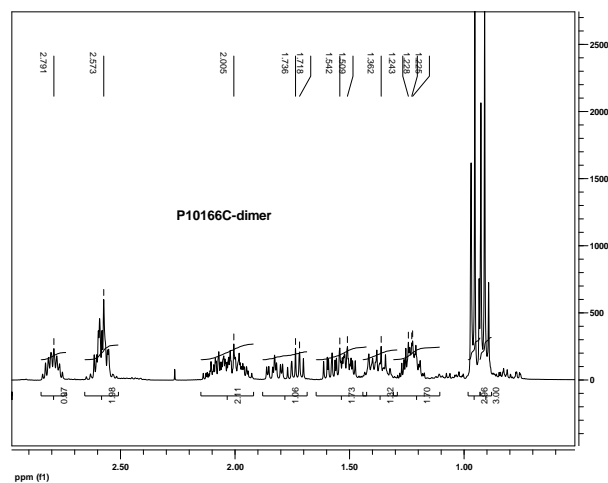
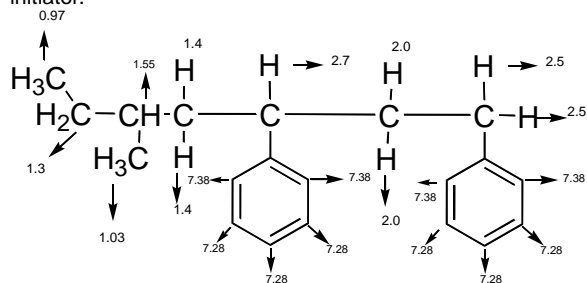
C, 90.16; H, 9.84

Synthesis Procedure:

Oligomers of styrene are obtained by living anionic polymerization of styrene followed by separation by column chromatography.

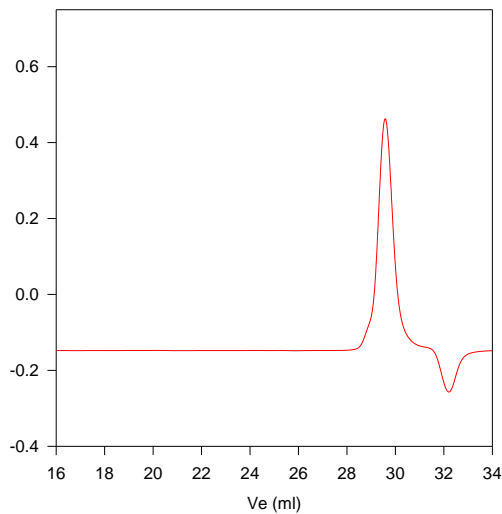
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co. ¹H-NMR spectroscopy by comparing the peak area of the aromatic and terminal methyl groups coming from cumyl methyl ether potassium salt use as initiator.



SEC of Homopolymer:

P10166C-S266



Size Exclusion Chromatography of styrene oligomers

Dp of S monomer is : 2 + Initiator : S-266 Mw/Mn 1.03