

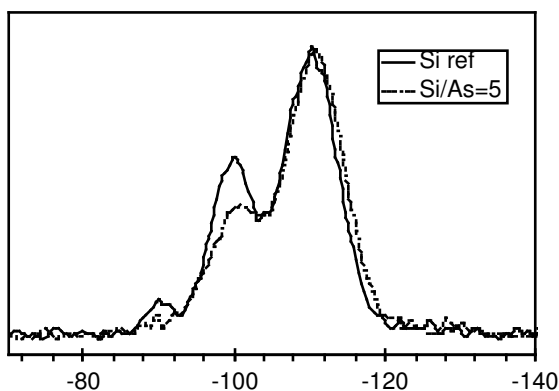
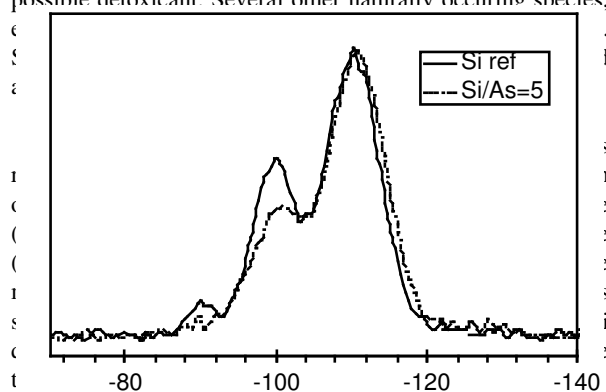
NMR Evidence of Arsenic Binding to Silica Colloids

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The As contamination of our environment is a widespread problem which becomes even more sensitive when drinking water is affected (e.g. Bangladesh, India). Despite considerable research efforts, As cycling in the environment is not fully understood. The interactions between As and Iron have been extensively studied with the goal of using Fe as possible detoxicant. Several other naturally occurring species,



Si-29 MAS NMR Spectra of an As free reference and the Si/As= 5 sample.