

5.4. Experimental data.

(a) NMR Spectra.

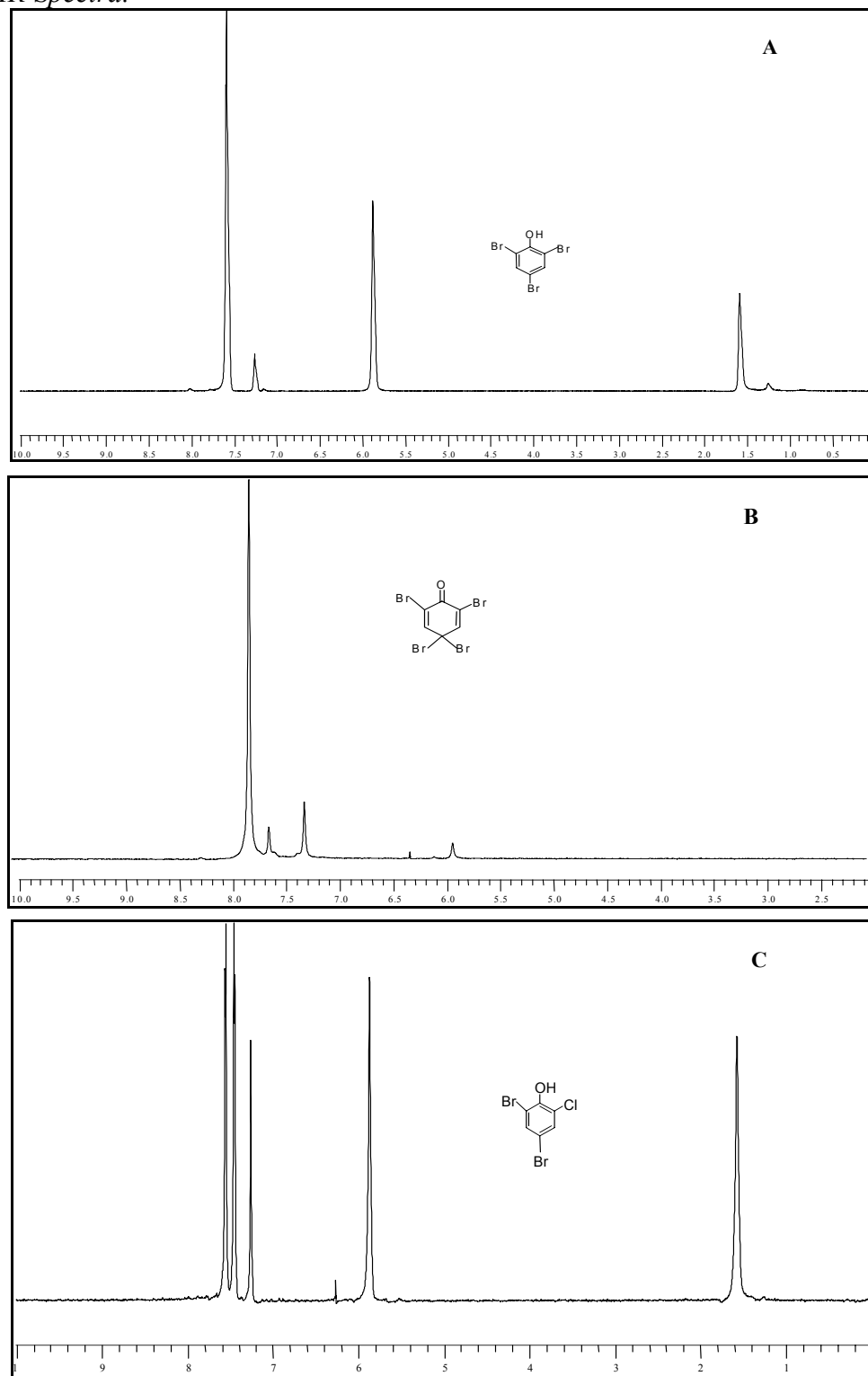


Figure 5.1. NMR spectra of (A). 2,4,6-Tribromophenol, **2**; (B). 2,4,4,6-Tetrabromo-2,5-cyclohexadienone, **3**; (C). 4,6-Dibromo-2-chlorophenol, **5**.

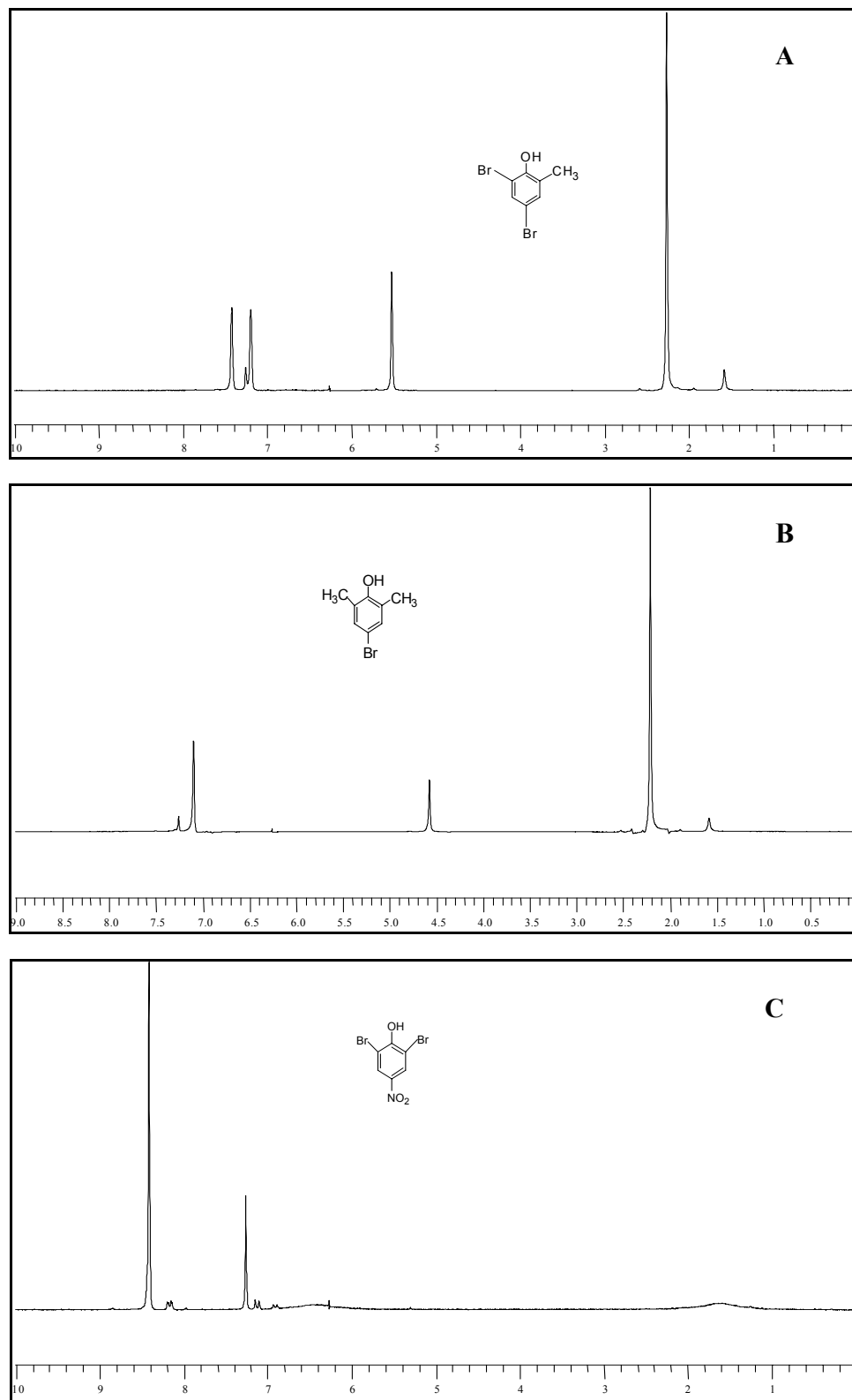


Figure 5.2. NMR spectra of (A).4,6-Dibromo-2-methylphenol, **8**;.(B). 4-Bromo-2,6-dimethyl phenol, **10**;.(C). 2,6-Dibromo-4-nitro phenol, **14**.

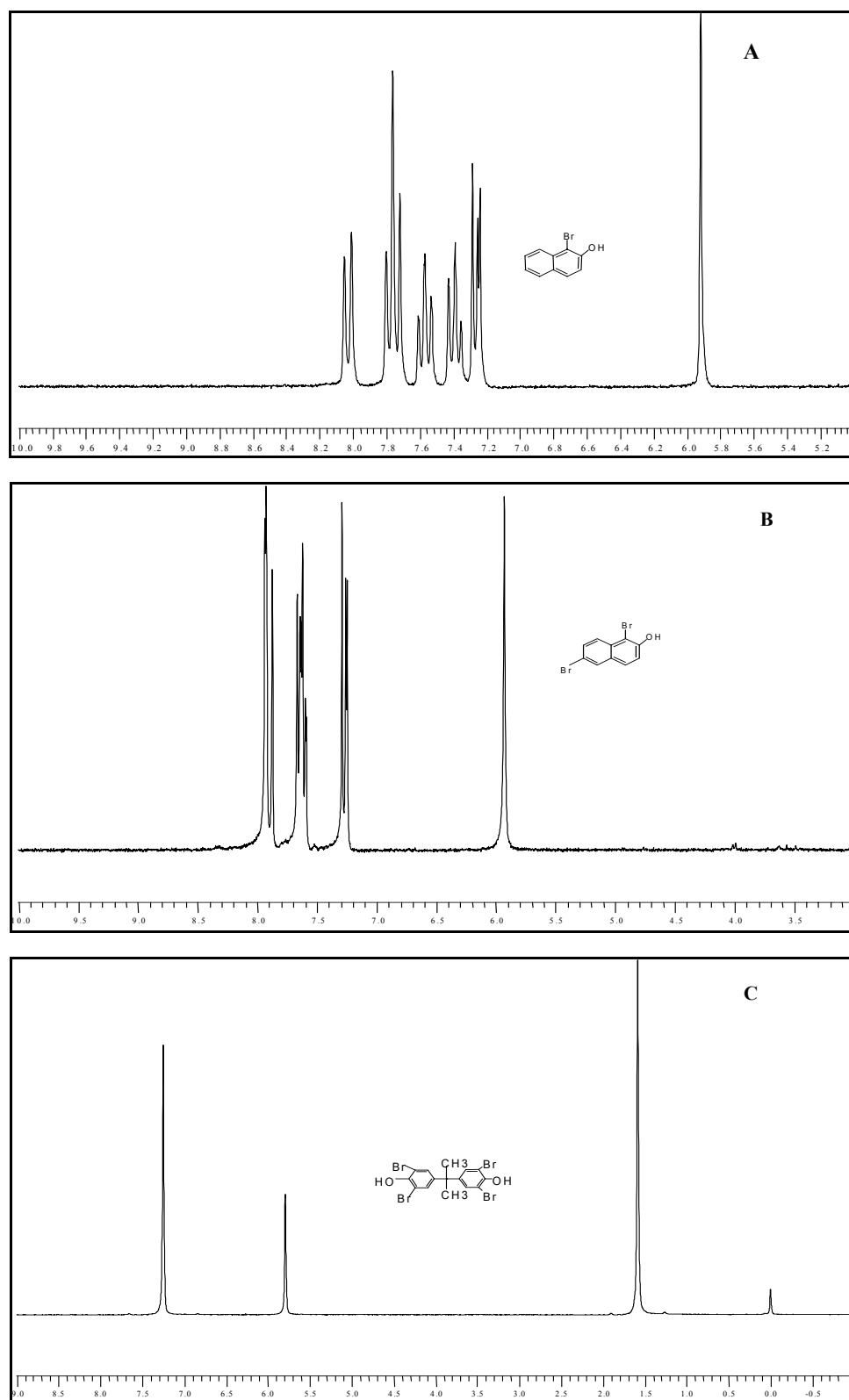


Figure 5.3. NMR spectra of (A). 1-Bromo-2-naphthol, **15**; (B). 1,6-Bromo-2-naphthol, **16**; (C). Tetrabromobisphenol-A **17**.

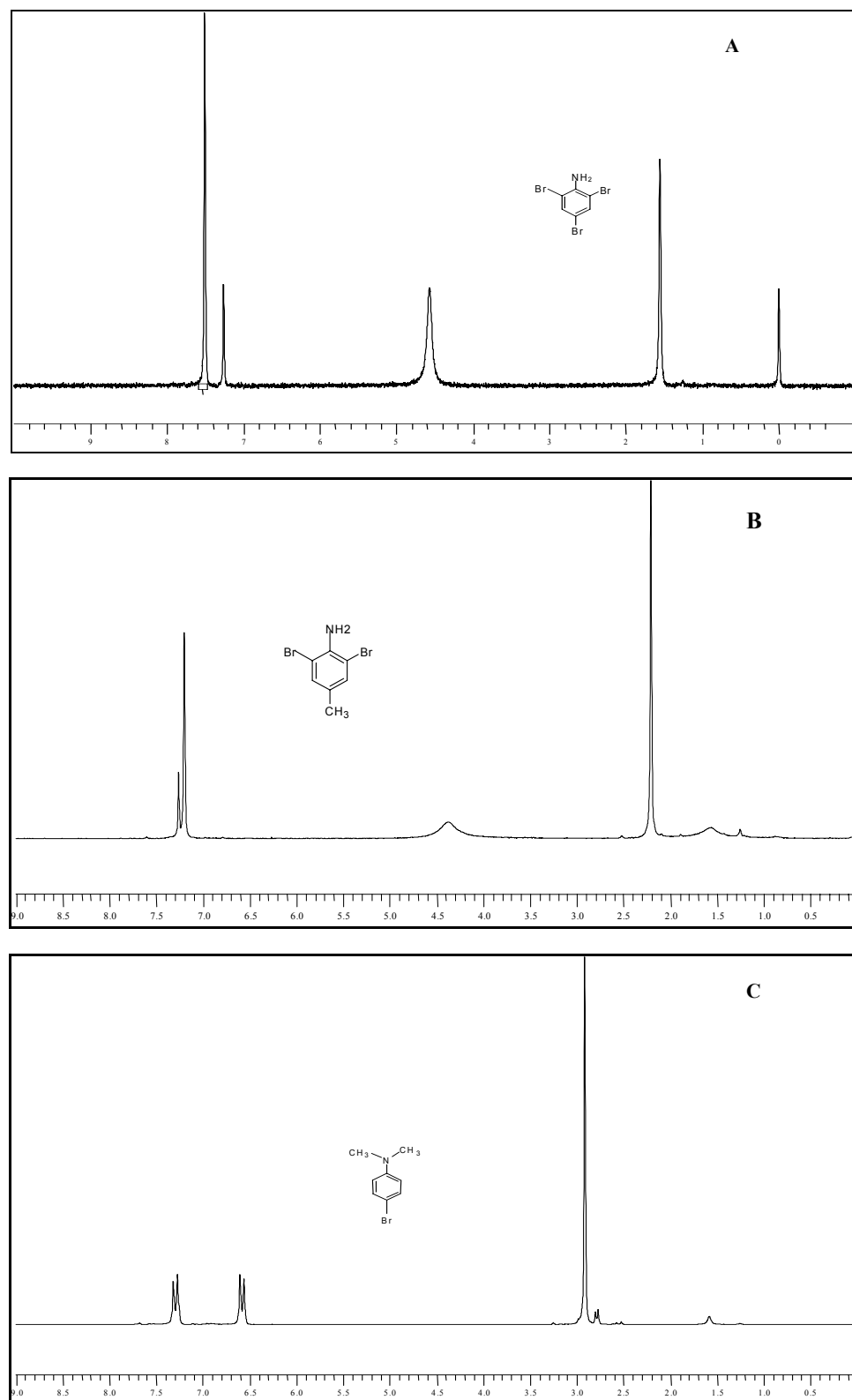


Figure 5.4. NMR spectra of (A). 2,4,6-Tribromo aniline, **18**; (B). 2,6-Dibromo-4-methyl aniline, **19**; (C). 4-Bromo-N,N-dimethyl aniline **20**

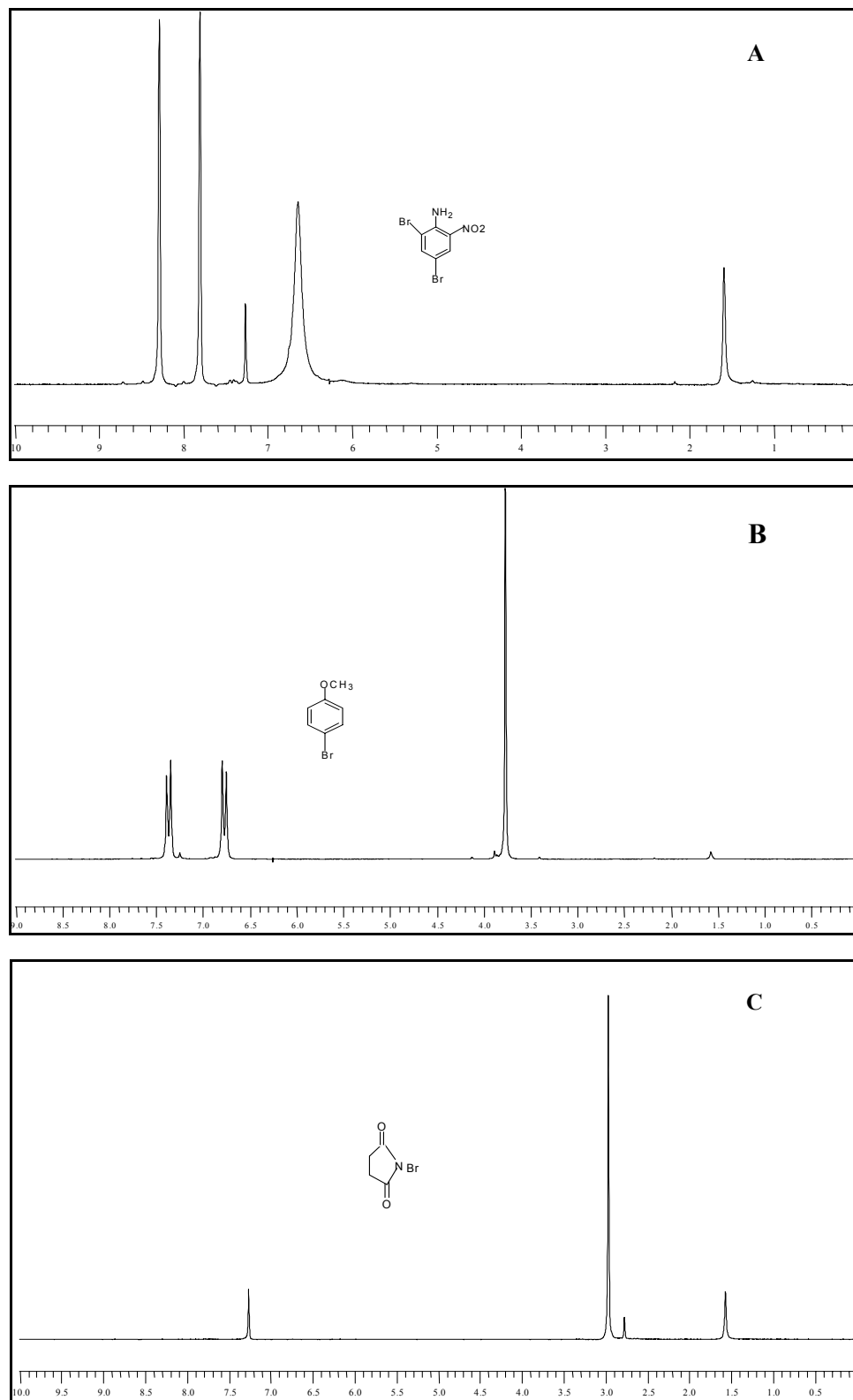


Figure 5.5. NMR spectra of (A). 4,6-Dibromo-2-nitro aniline, **21**; (B). 4-Bromo anisole, **23**; (C). N-Bromosuccinimide, **26**.

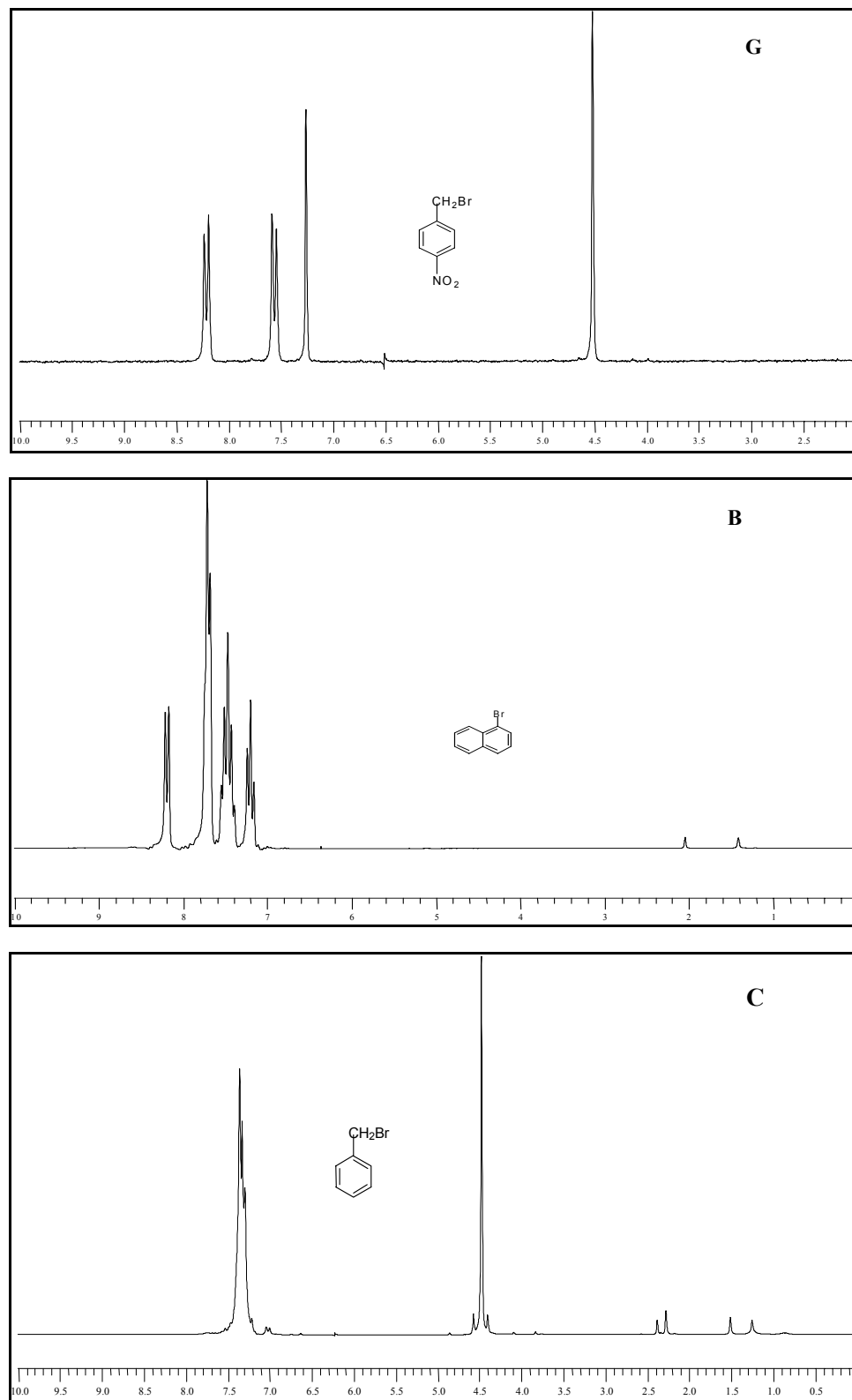


Figure 5.6. NMR spectra of (A). 4-Nitro benzylbromide, **27**; (B). 1-Bromo naphthalene, **28**; (C). Benzylbromide **29**.

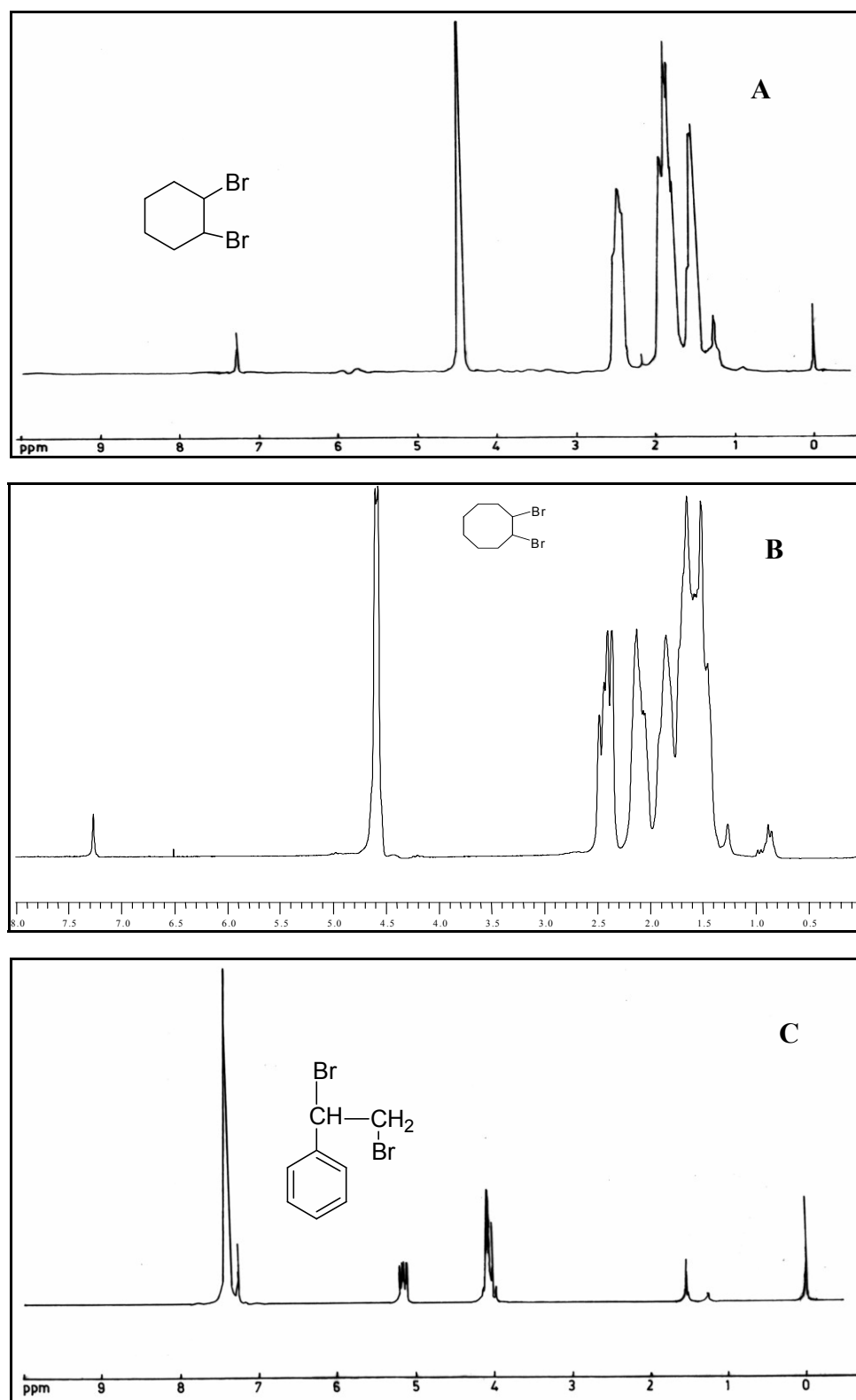


Figure 5.7. NMR spectra of (A). 1,2-Dibromo cyclohexane, **31**; (B). 1,2-Dibromo cyclooctane, **32**; (C). Styrene dibromide, **33**.

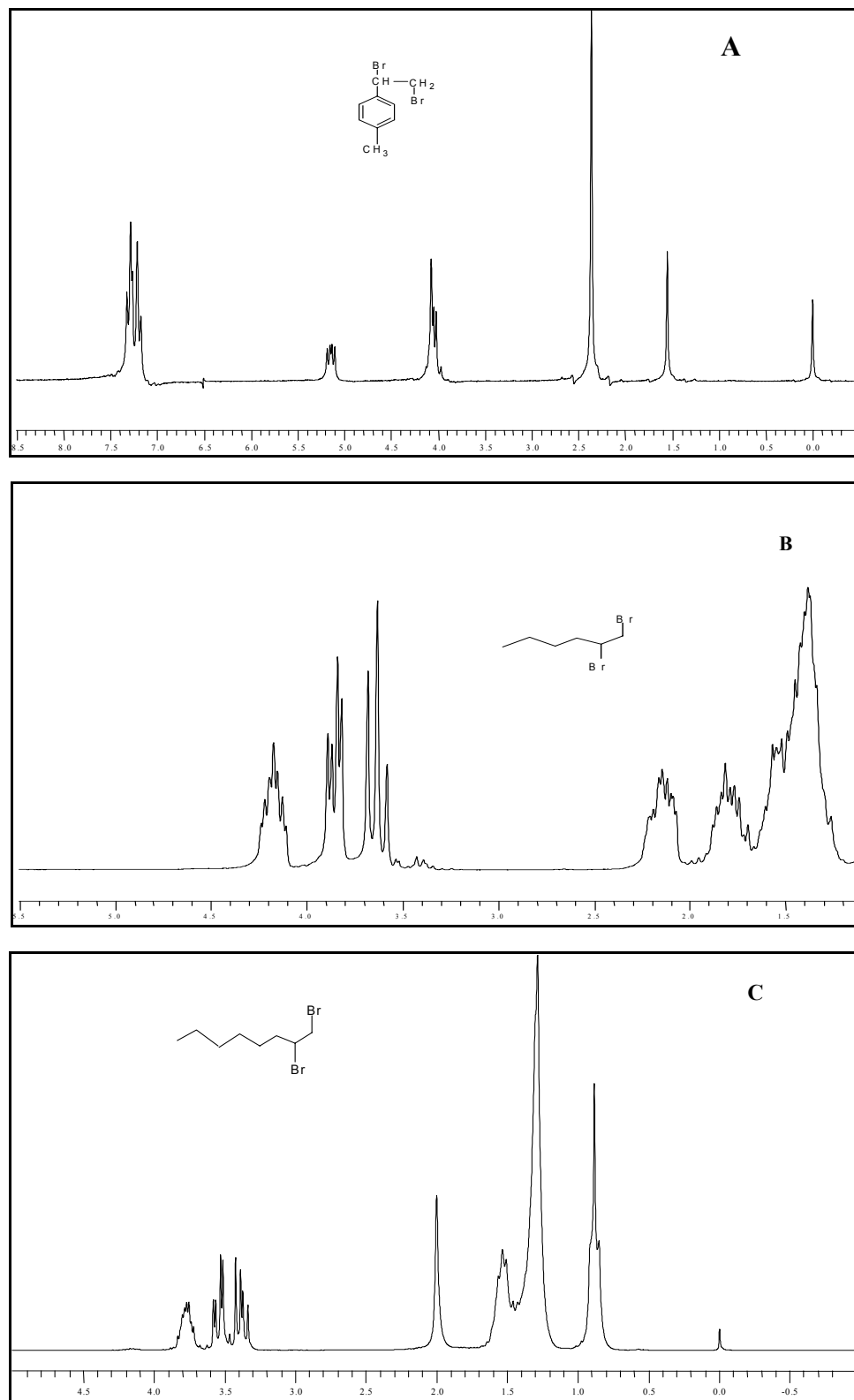


Figure 5.8. NMR spectra of (A).1,2-Dibromo-1-(4-methyl phenyl) ethane, **34**; (B). 1,2-Dibromo hexane, **35**; (C). 1,2-Dibromo octane, **36**.

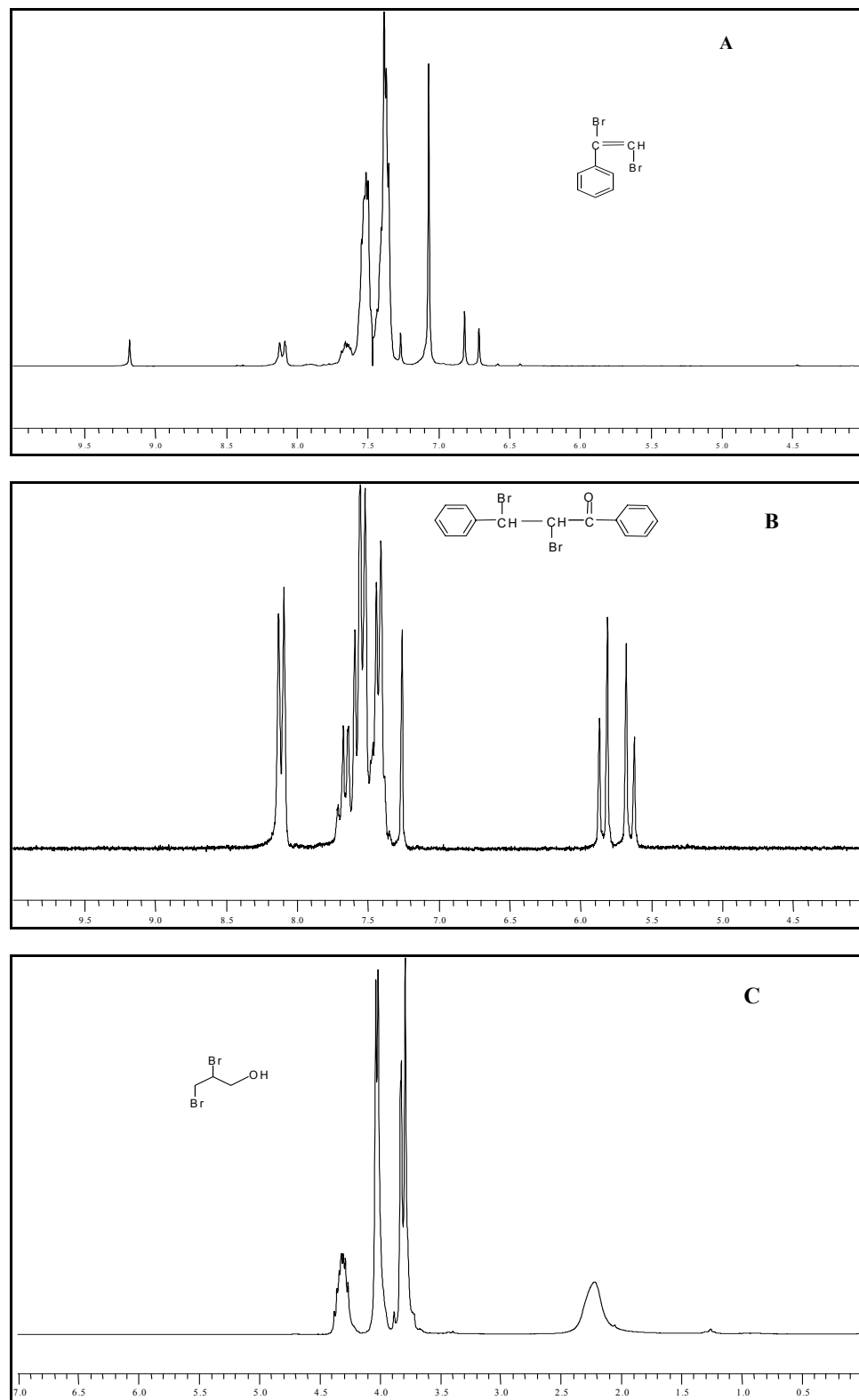


Figure 5.9. NMR spectra of (A). α, β - Dibromostyrene, **37**; (B). Chalconedibromide, **38**; (C). 1,2-Dibromo propanol, **39**.

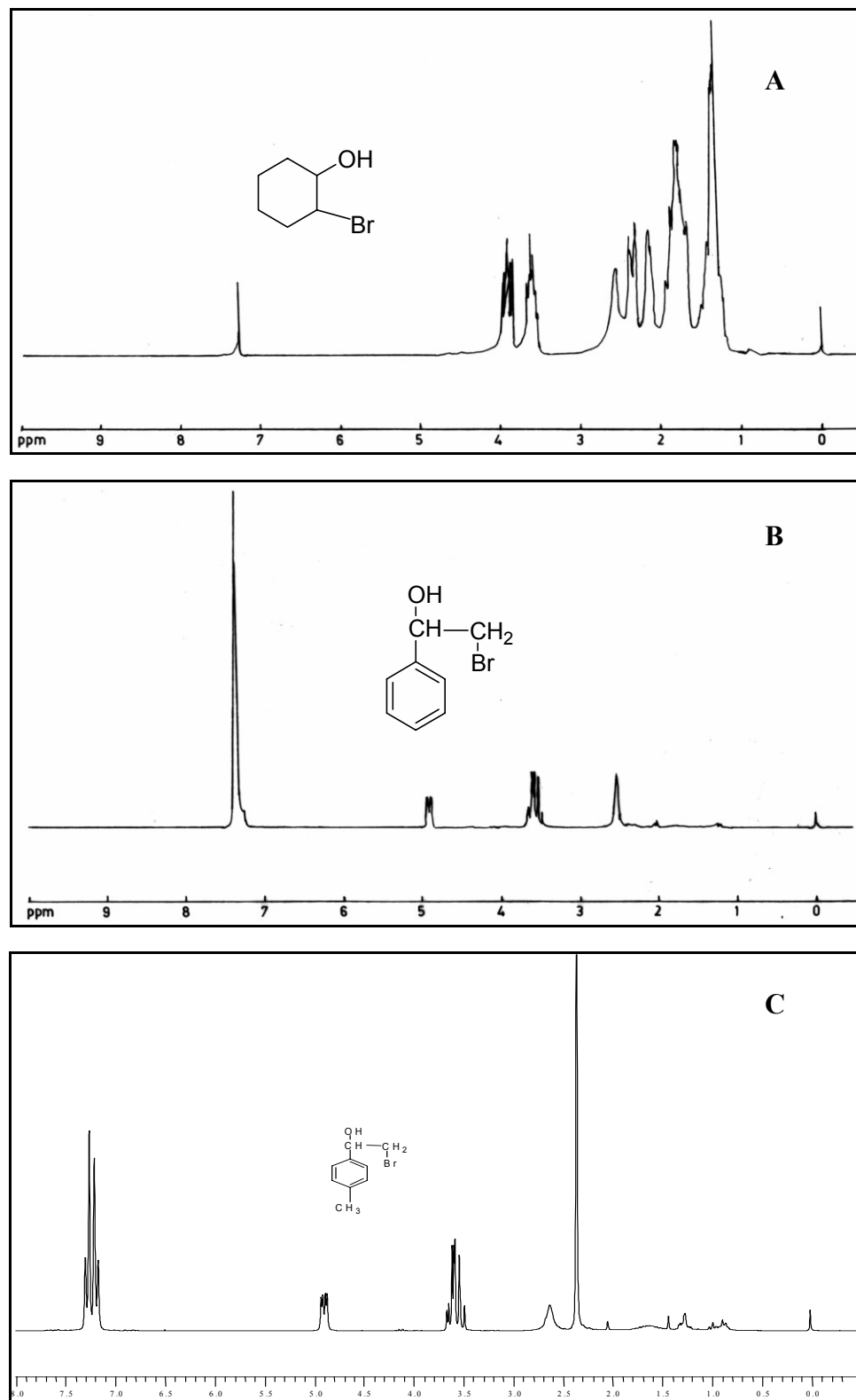


Figure 5.10. NMR spectra of (A). 2-Bromocyclohexanol, 40; (B). 1-Bromo-2-phenyl ethanol, 41; (C). 1-Bromo-2-(4-methyl phenyl) ethanol, 42.

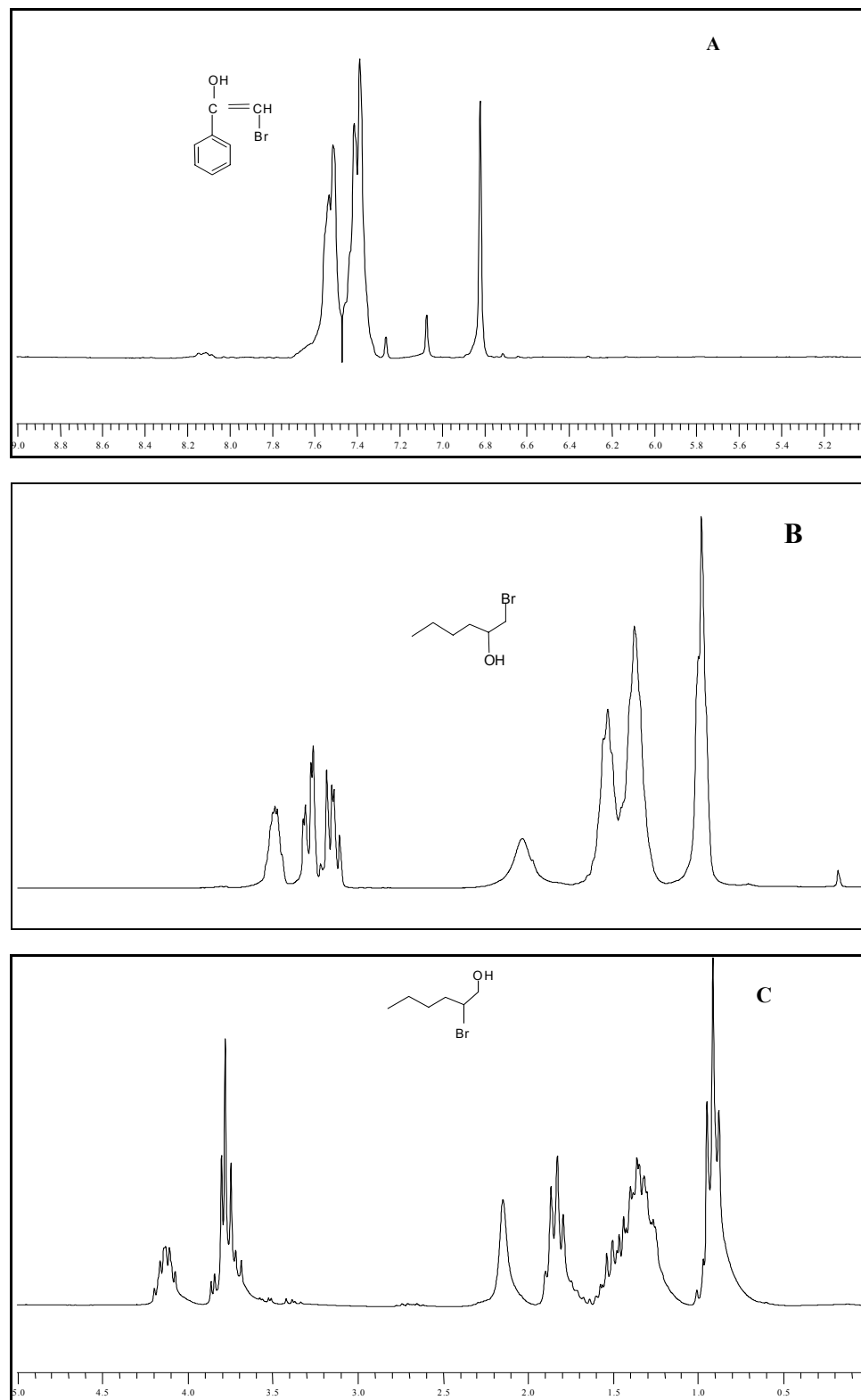


Figure 5.11. NMR spectra of (A). β -Bromo- α -hydroxy styrene, 43; (B). 1-Bromo-2-hexanol, 44; (C). 2-Bromohexanol, 44a.

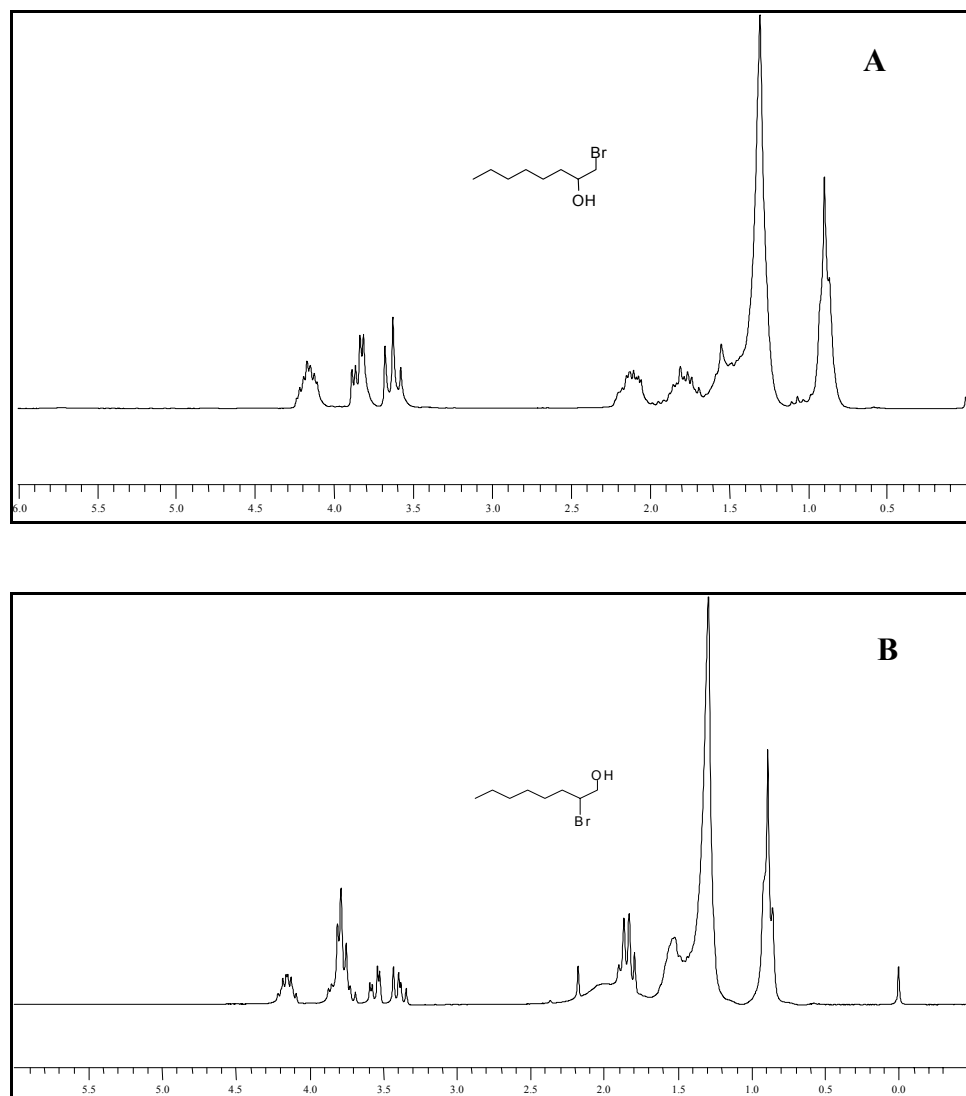


Figure 5.12. NMR spectra of (A). 1-Bromo-2-octanol, **45**; (B). 2-Bromooctanol (**45a**)

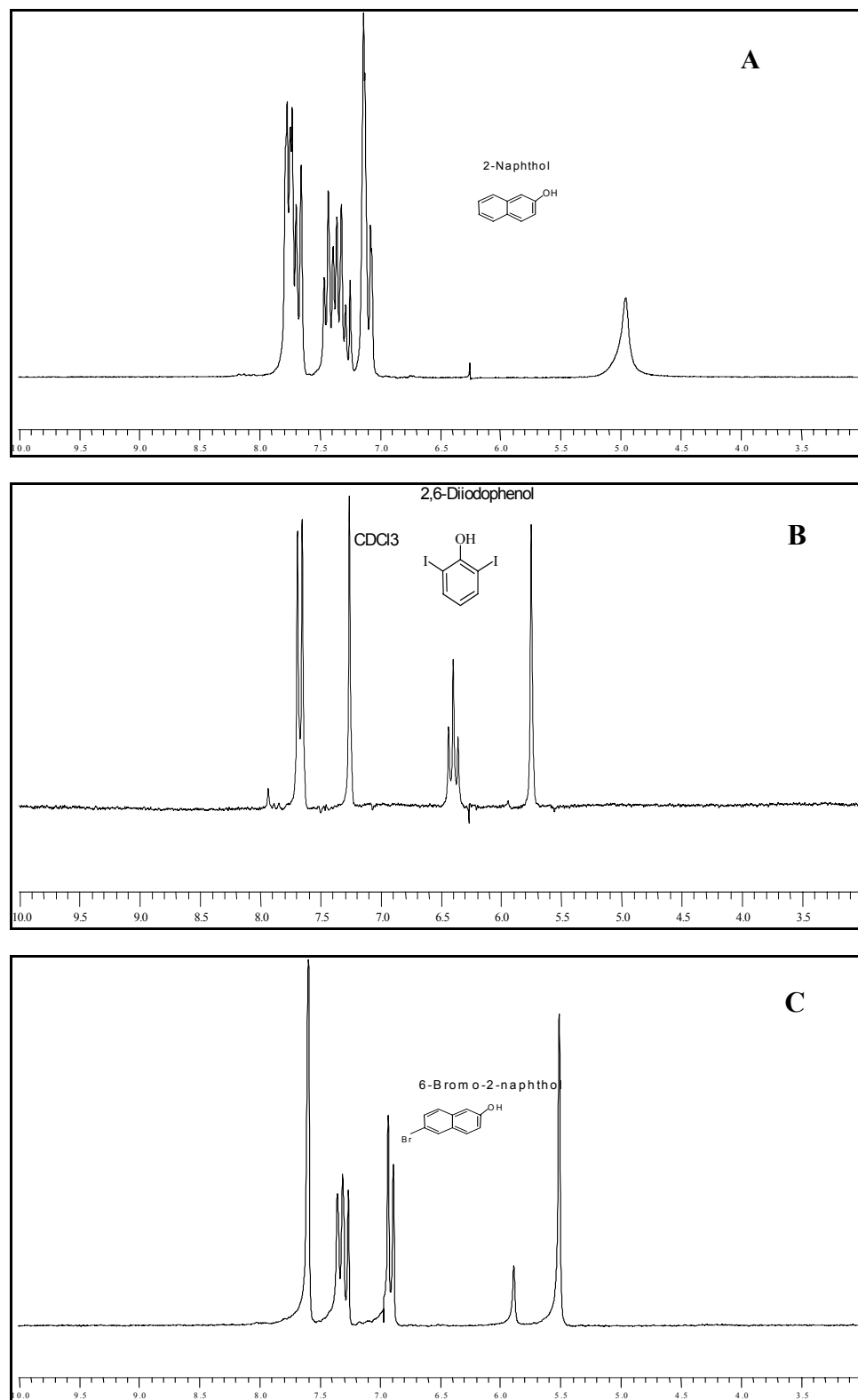


Figure 5.13. NMR spectra of (A). 2-Naphthol, **47=48**; (B). 2,6-Diiodophenol, **50**; (C). 6-Bromo-2-naphthol, **51**.