Selective Aerobic Oxidative Dibromination of Alkenes with Aqueous HBr and Sodium Nitrite as a Catalyst

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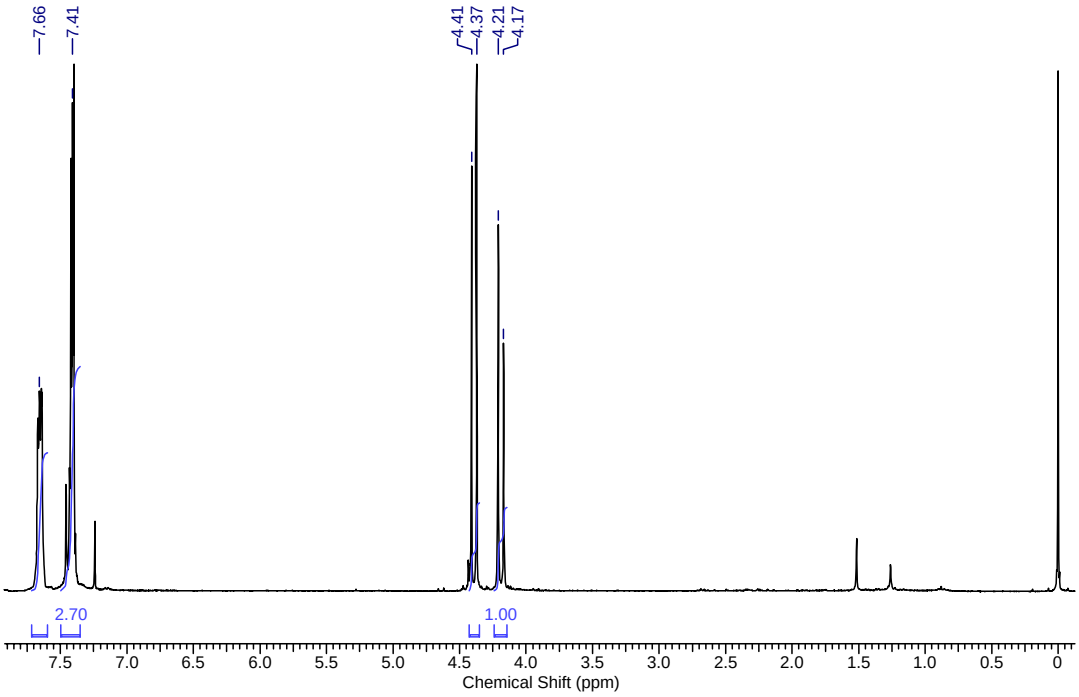
NMR spectra of (2,3-dibromo-1,1,1-trifluoropropan-2-yl)benzene 20



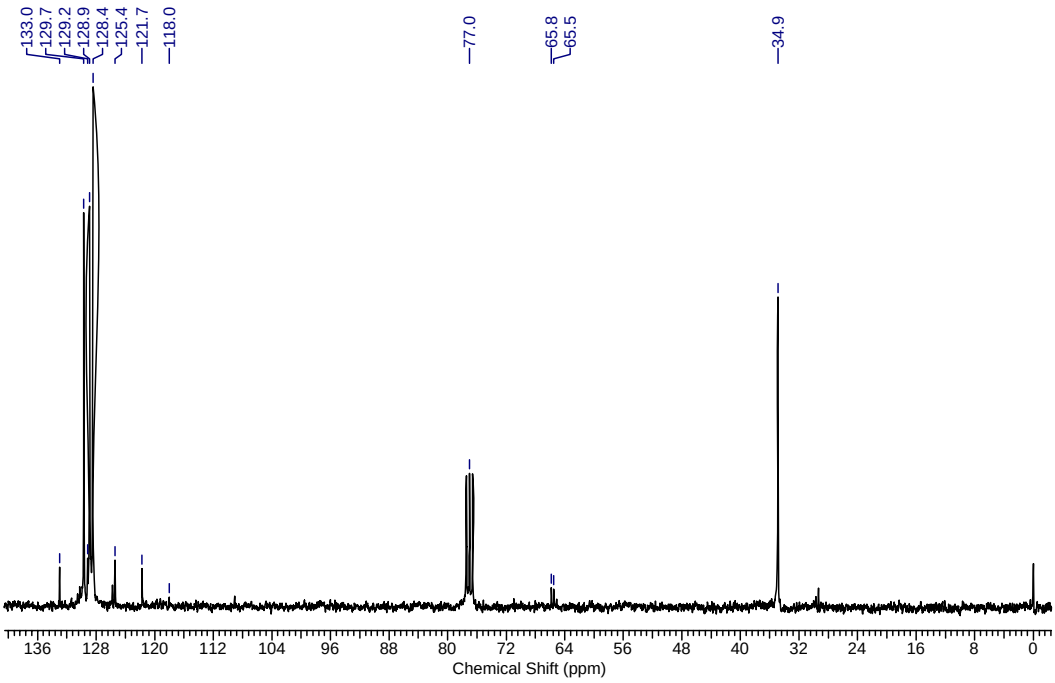
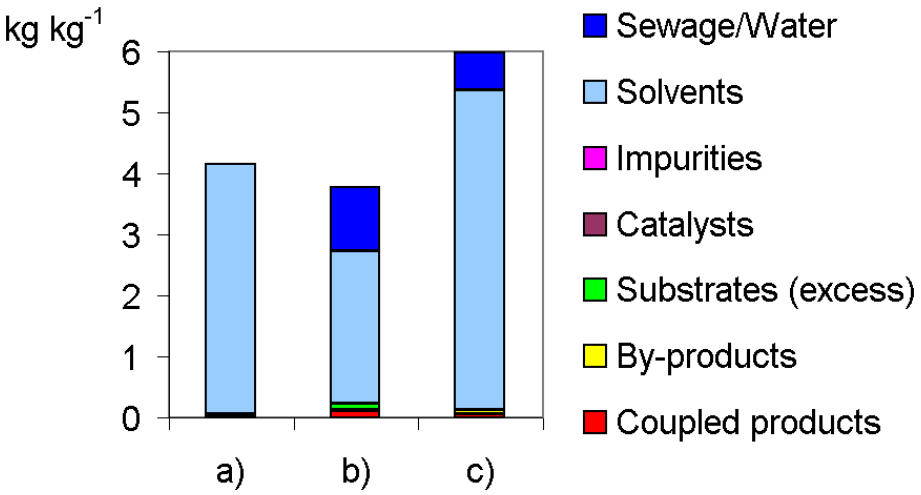
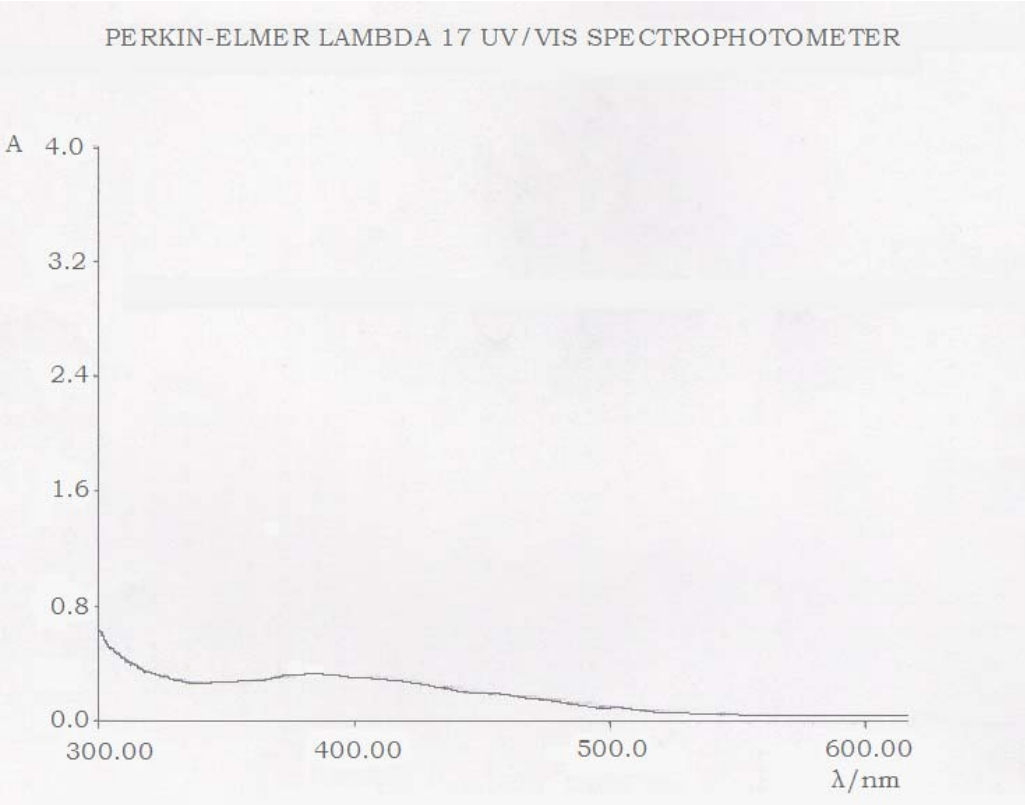


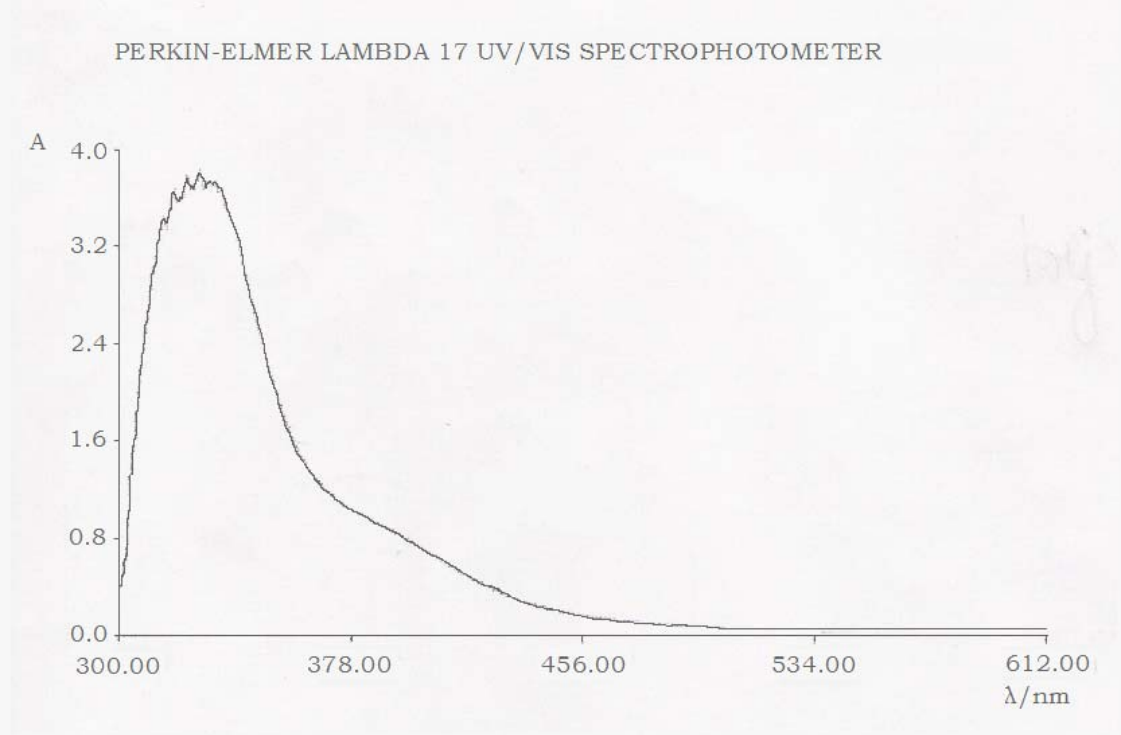
Figure 1: Environmental factor E of different bromination methods shown in Scheme 6 using the software EATOS.[1] For details see Table 2. Work-up procedures have not been described in detail [2, 3] and, thus, were not considered here: (a) Recrystallization; b) Washing with water, brine and drying over sodium sulfate; c) Pouring into 10 mL of water



UV-vis spectrum of Br_2 in CH_3CN ($2 \cdot 10^{-3}$ M)



UV-vis spectrum of NOBr ($NaNO_2$ and HBr in CH_3CN ($2 \cdot 10^{-3}$ M))



References

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