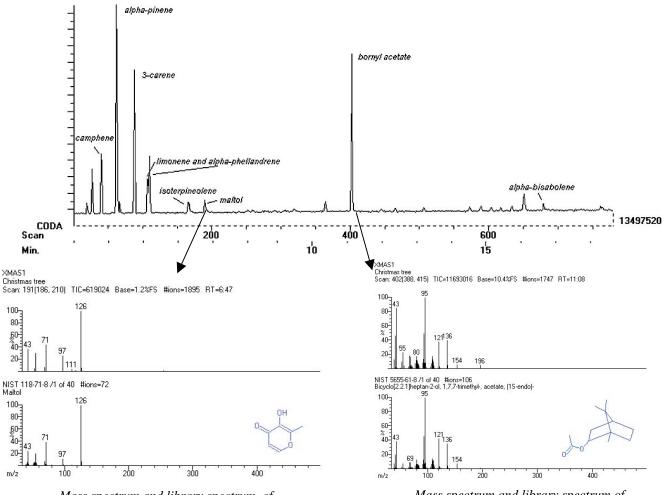
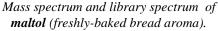


## GC/MS Analysis of an Extract from the JEOL Christmas Tree

A few needles from the holiday tree in the lobby of our Peabody office were extracted with dichloromethane and analyzed with the JEOL *GCmate* GC/MS system. Components were identified by a library search of the mass spectra. The fragrance comes from a complex mixture of terpenes such as alpha-pinene (familiar pine aroma) and limonene (citrus aroma) and other compounds, such as maltol (fresh-baked bread aroma).







Mass spectrum and library spectrum of **bornyl acetate** (pine-like aroma).

Happy Holidays!

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