



Essential Oil Composition of *Marrubium vulgare* L Growing Wild in Eastern Algeria

Abderazak Abadi¹ and Aicha Hassani^{2*}

1. Laboratoire de molécules bio-active et valorisation de la biomasse, École normale supérieure, BP 92, Kouba-Algiers, **ALGERIA**
2. Laboratoire de chromatographie, faculté de chimie, USTHB, Algiers, **ALGERIA**

Email: Ryadabadi@gmail.com

Received on 6th April and finalized on 26th April 2013.

ABSTRACT

*In this study, the essential oil of the aerial parts of *Marrubium vulgare* L. obtained by hydro distillation was analyzed by gas chromatography coupled to mass spectrometry (GC-MS) in order to determine their chemical composition. Fifty components in the oil of *M. vulgare* were identified. The results revealed that the major components of the essential oil are : 4,8,12,16-Tetramethyl heptadecan-4-olid (16.97%), Germacrene D-4-ol(9.61%), α - pinène(9.37%), Phytol(4.87%), Dehydro-sabina ketone (4.12%), Piperitone(3.27%), δ – Cadinene (3.13%), 1-Octen-3-ol(2.35%) and Benzaldehyde(2.31%) .*

Keywords: *Marrubium vulgare* Lamiaceae, Essential oil composition, GC, GC/MS, α - pinene, Phytol.
