

## Supplementary Information

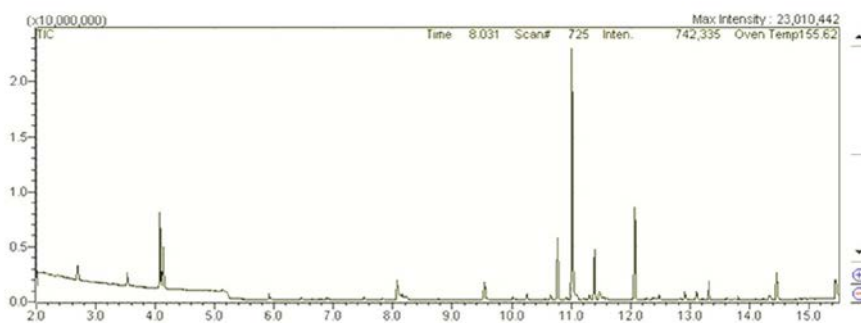
### Volatile Organic Compounds from Filamentous Fungi: a Chemotaxonomic Tool of the Botryosphaeriaceae Family

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Francisco J. T. Gonçalves<sup>c</sup> and Francisco C. O. Freire<sup>d</sup>*

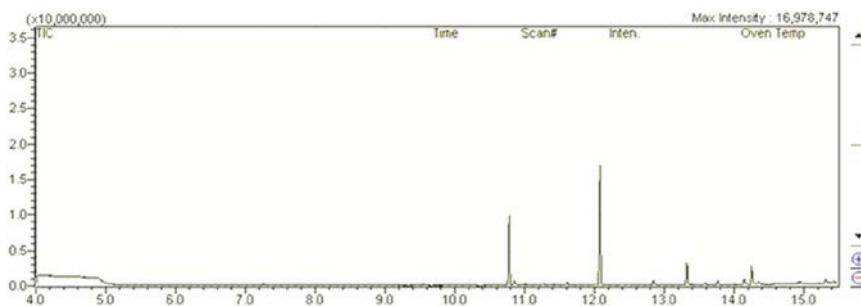
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**Figure S1.** Chromatogram from GC analysis of VOCs from *Lasiodiplodia theobromae* (strain 71).



**Figure S2.** Chromatogram from GC analysis of the culture medium (BD).

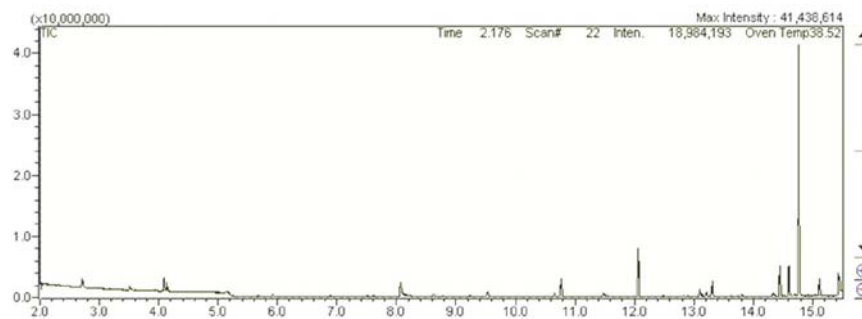


Figure S3. Chromatogram from GC analysis of VOCs from *Lasiodiplodia pseudotheobromae* (strain 277).

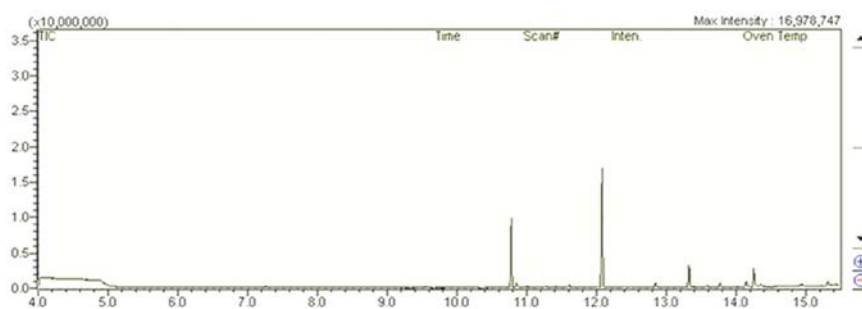


Figure S4. Chromatogram from GC analysis of the culture medium (BD).

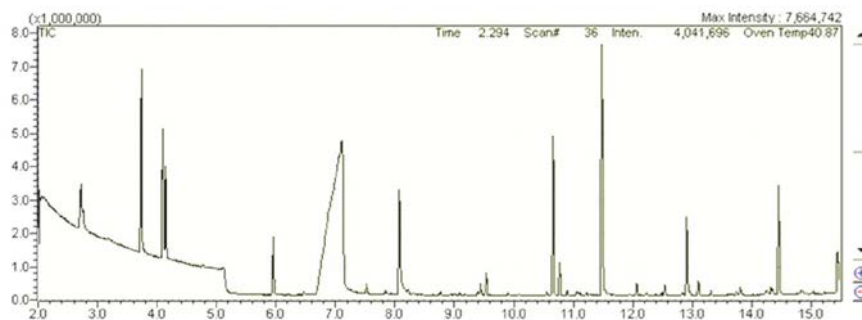


Figure S5. Chromatogram of GC analysis of VOCs from *Lasiodiplodia citricola* (strain 258).

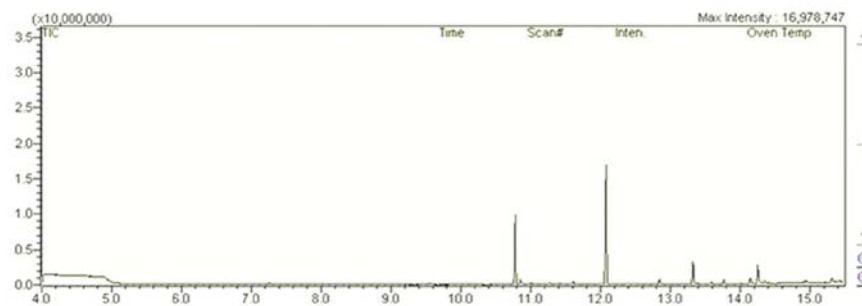
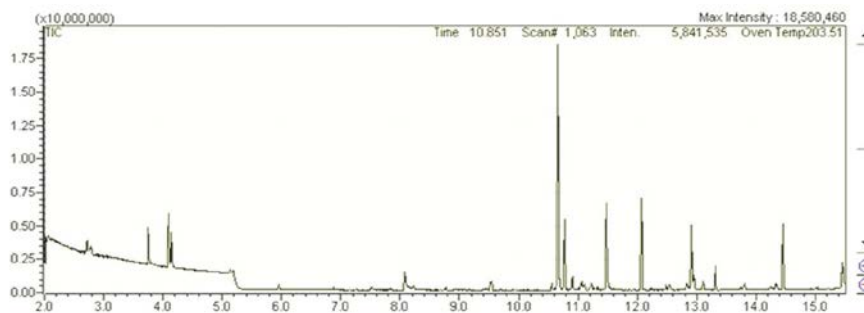
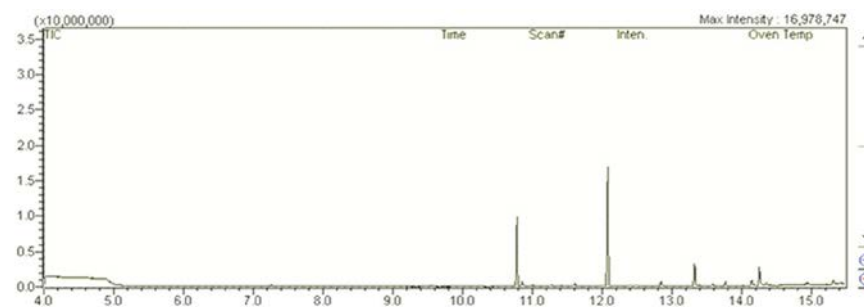


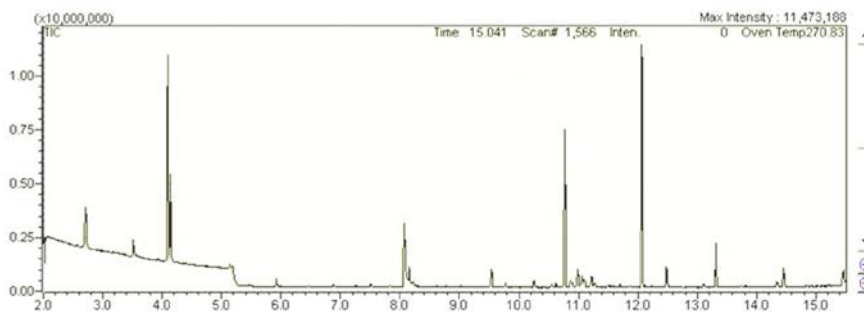
Figure S6. Chromatogram from GC analysis of the culture medium (BD).



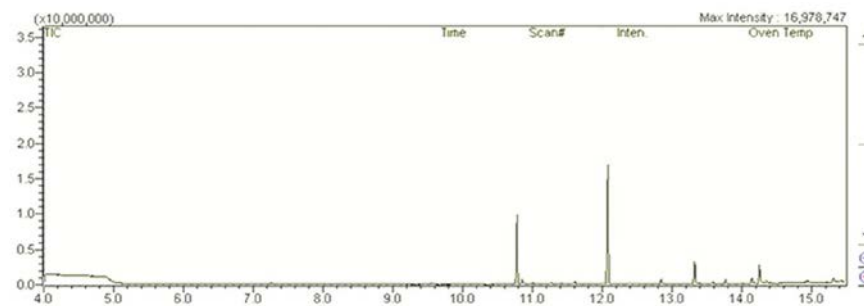
**Figure S7.** Chromatogram from GC analysis of VOCs from *Lasiodiplodia gonubiensis* (strain 474).



**Figure S8.** Chromatogram from GC analysis of the culture medium (BD).



**Figure S9.** Chromatogram from GC analysis of VOCs from *Lasiodiplodia parva* (strain 511).



**Figure S10.** Chromatogram from GC analysis of the culture medium (BD).

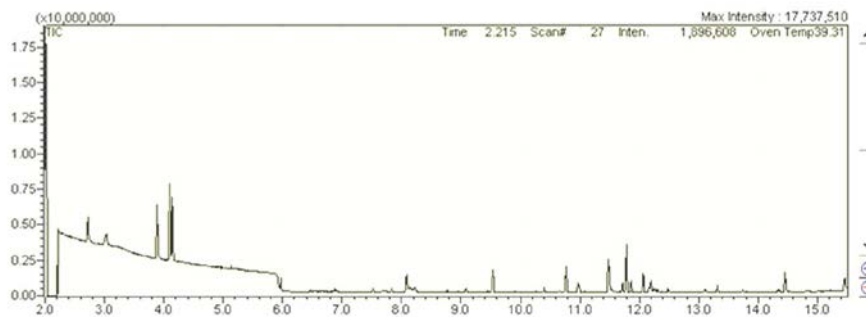


Figure S11. Chromatogram from GC analysis of VOCs from *Neofusicoccum cordaticola* (strain 434).

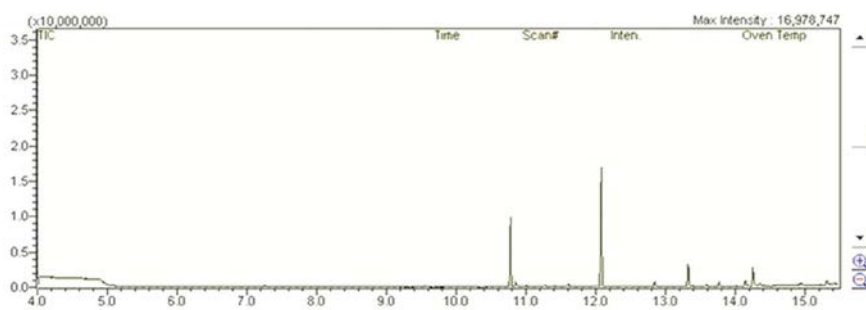


Figure S12. Chromatogram from GC analysis of the culture medium (BD).

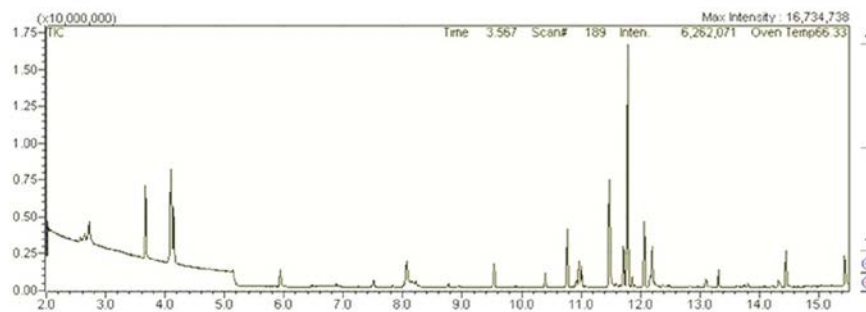


Figure S13. Chromatogram from GC analysis of VOCs from *Neofusicoccum parvum* (strain 600).

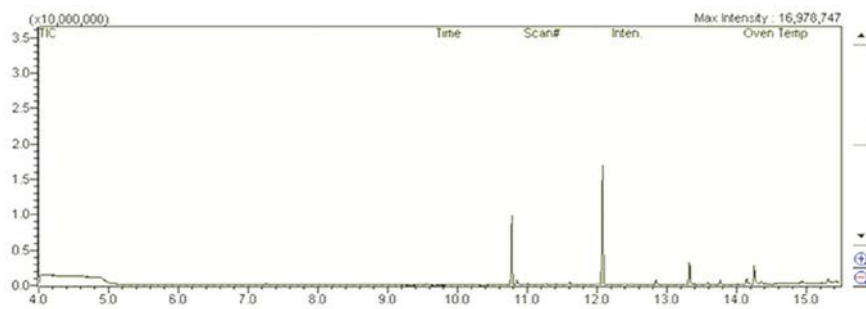
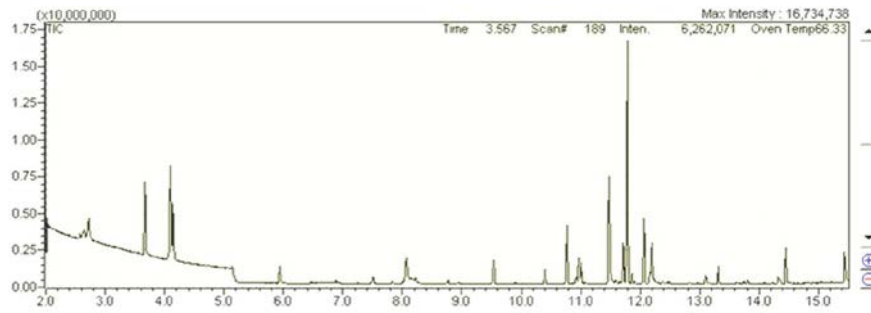
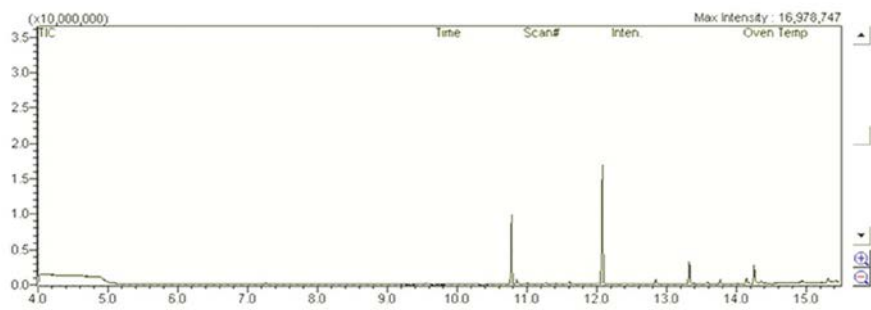


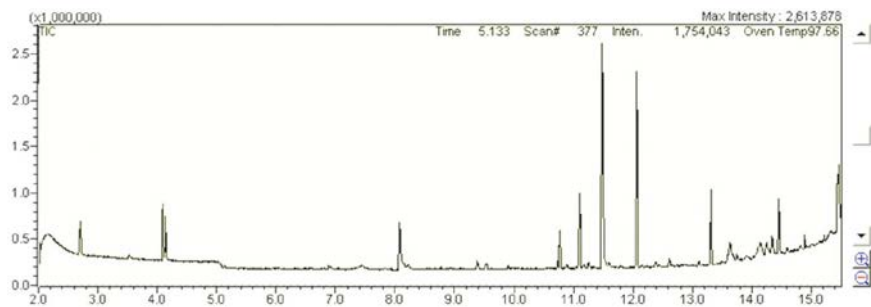
Figure S14. Chromatogram from GC analysis of the culture medium (BD).



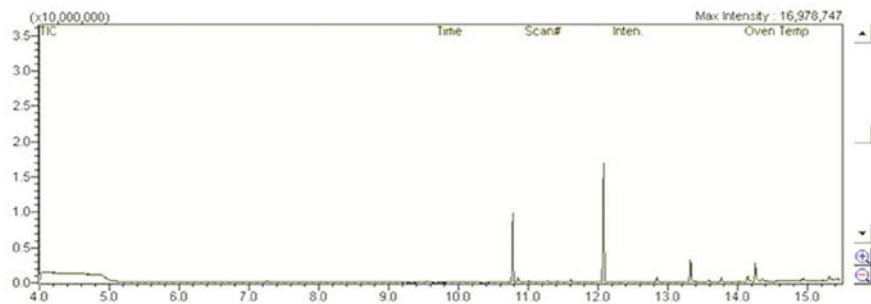
**Figure S15.** Chromatogram from GC analysis of VOCs from *Neofusicoccum ribis* (strain 683).



**Figure S16.** Chromatogram from GC analysis of the culture medium (BD).



**Figure S17.** Chromatogram from GC analysis of VOCs from *Botryosphaeria mamane* (strain 20).



**Figure S18.** Chromatogram from GC analysis of the culture medium (BD).

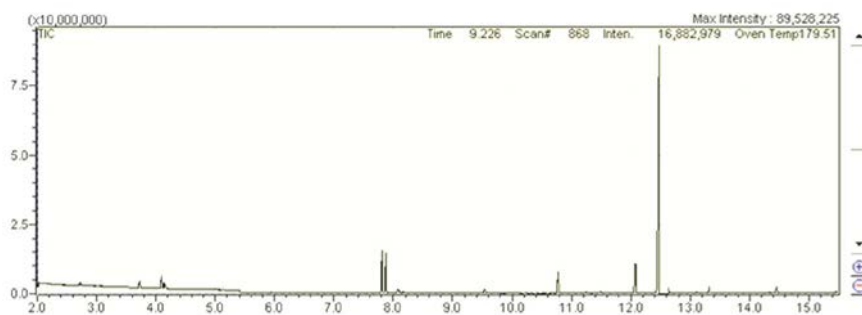


Figure S19. Chromatogram from GC analysis of VOCs from *Pseudofusicoccum stromaticum* (strain 477).

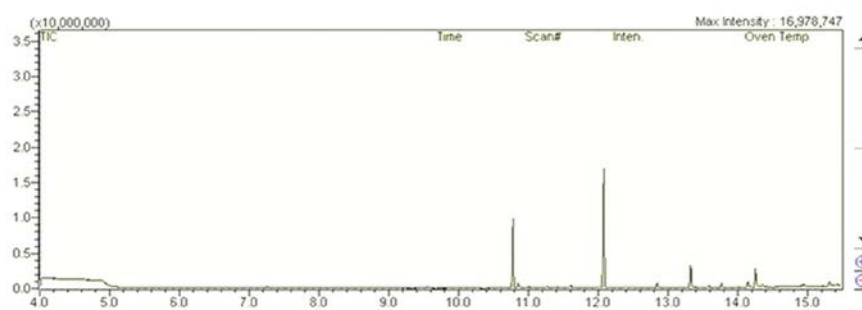


Figure S20. Chromatogram from GC analysis of the culture medium (BD).

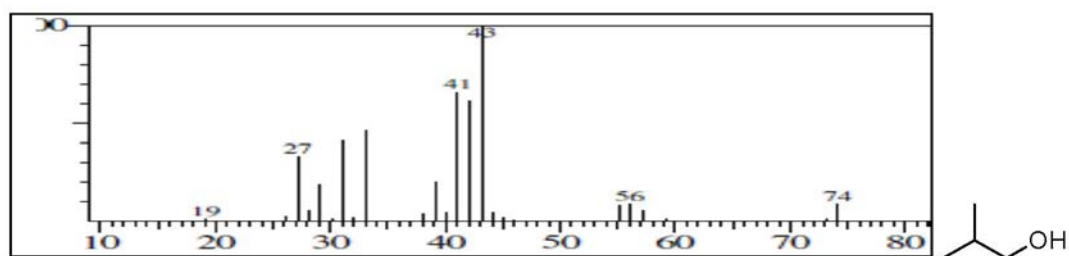


Figure S21. Mass spectra of isobutanol.

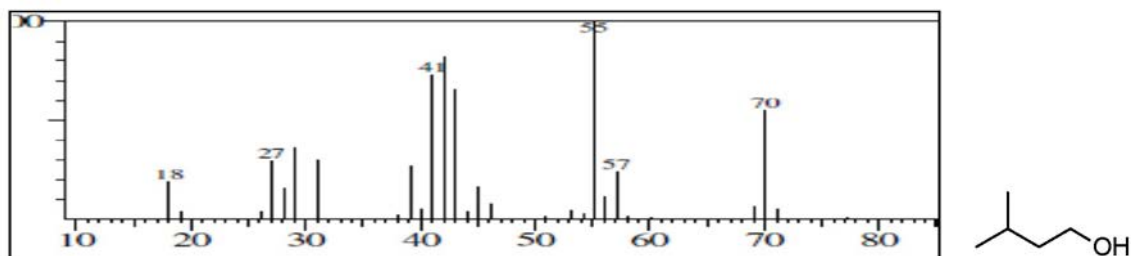


Figure S22. Mass spectra of isopentyl alcohol.

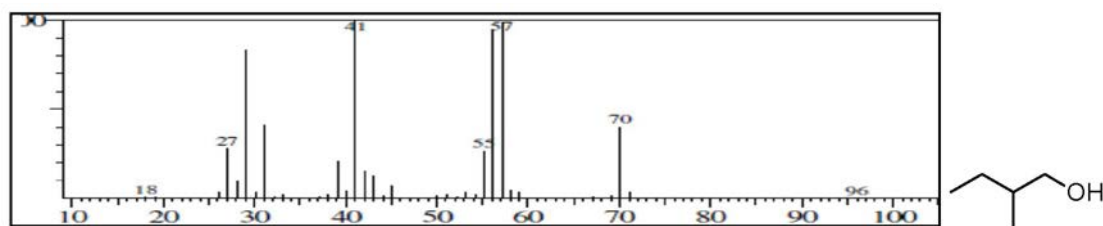


Figure S23. Mass spectra of 2-metilbuntan-1-ol.

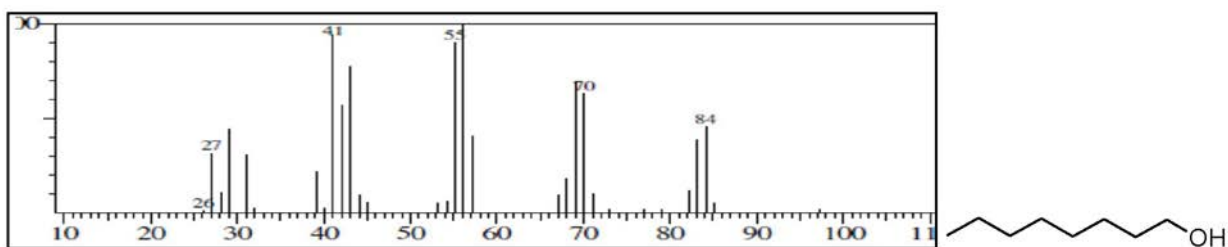


Figure S24. Mass spectra of octan-1-ol.

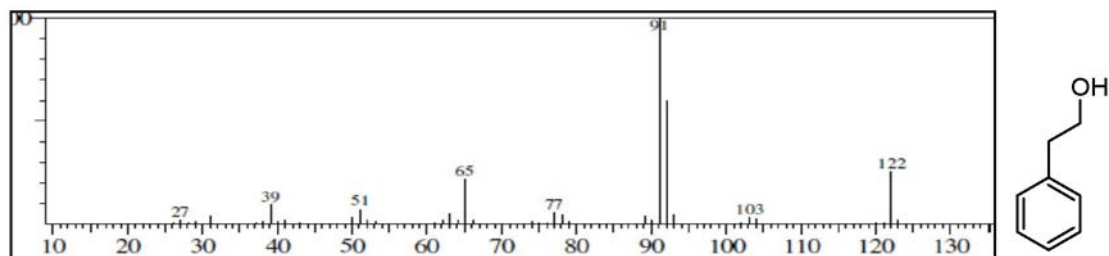


Figure S25. Mass spectra of phenylethyl alcohol.

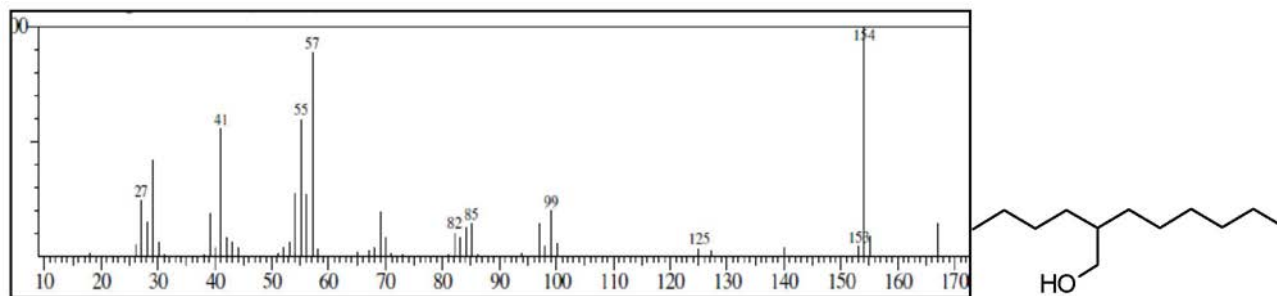


Figure S26. Mass spectra of 2-butyloctan-1-ol.

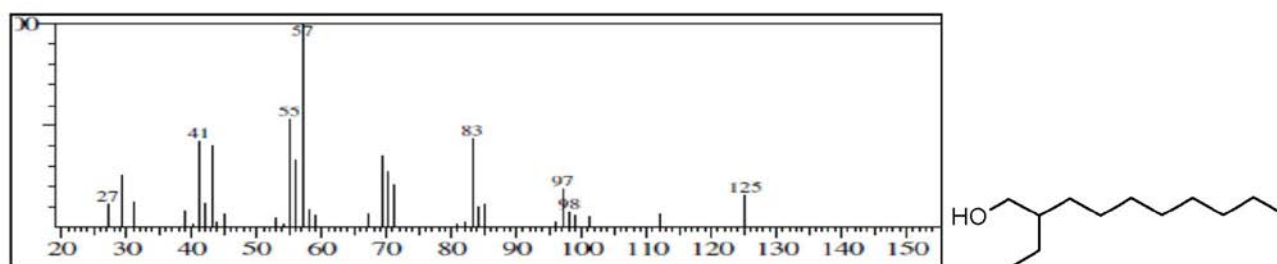


Figure S27. Mass spectra of 2-ethyldec-1-ol.

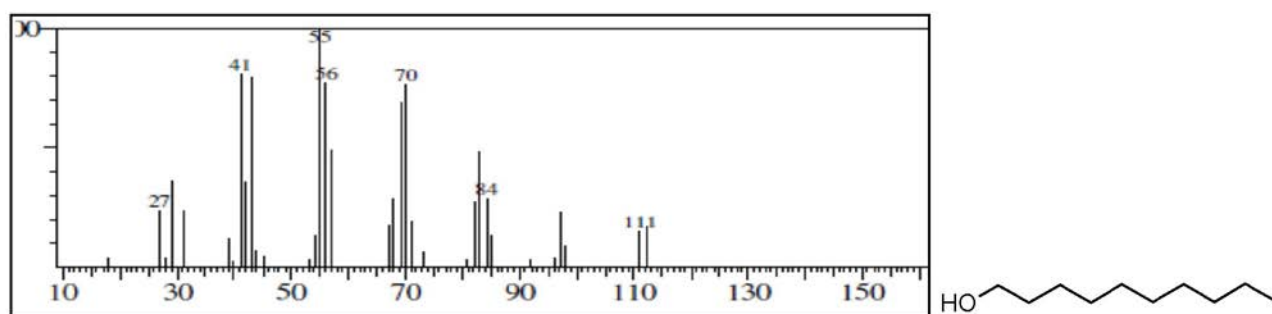


Figure S28. Mass spectra of n-decan-1-ol.

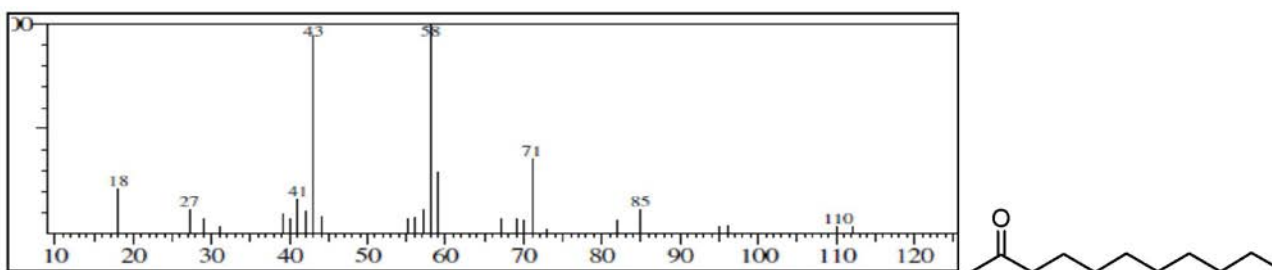
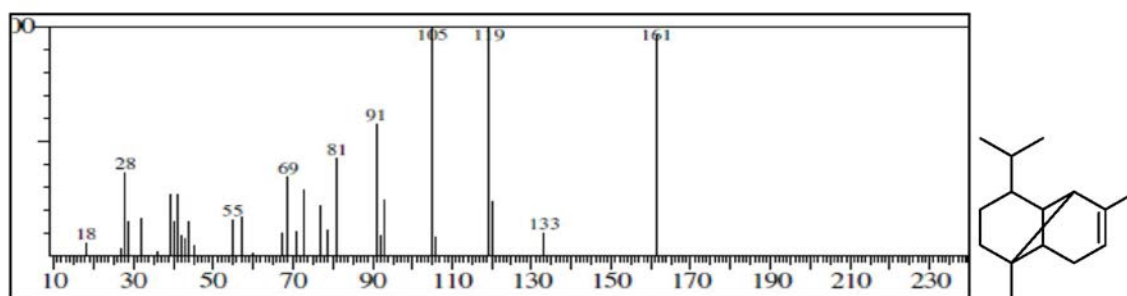


Figure S29. Mass spectra of undecan-2-one.

Figure S30. Mass spectra of  $\alpha$ -copaene.



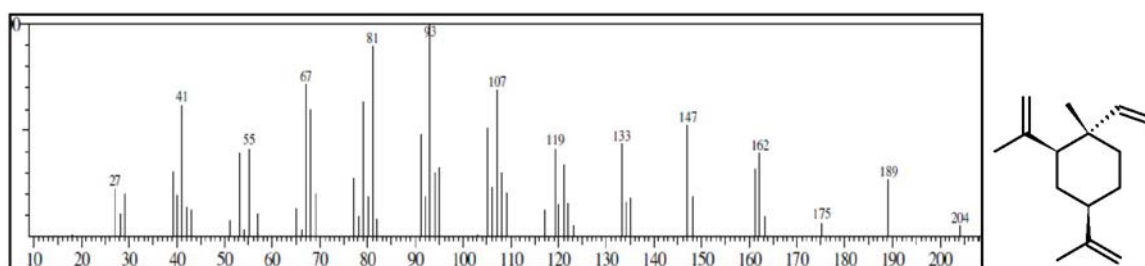


Figure S31. Mass spectra of  $\beta$ -elemene.

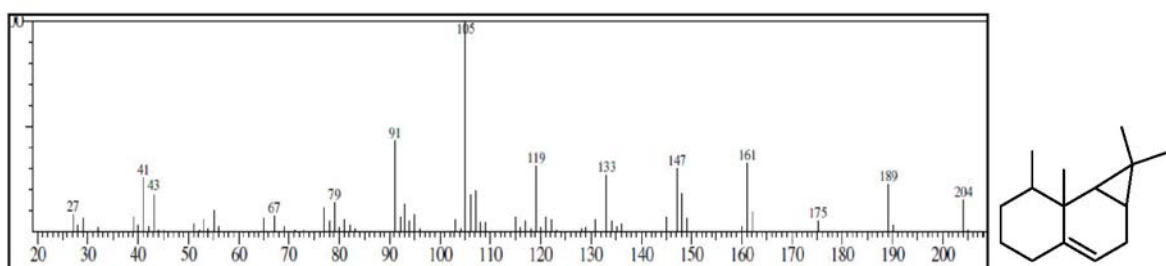


Figure S32. Mass spectra of aristolene.

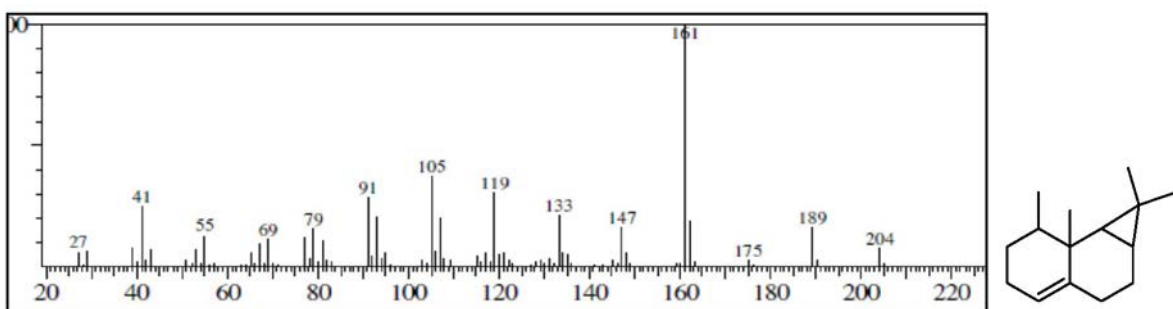


Figure S33. Mass spectra of calarene.

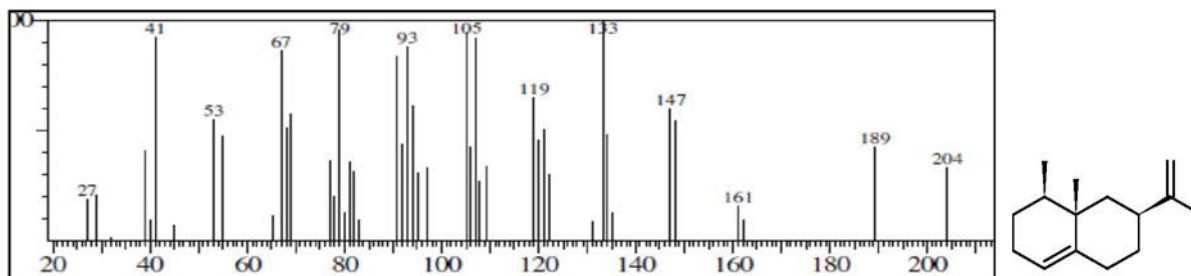


Figure S34. Mass spectra of eremophylene.

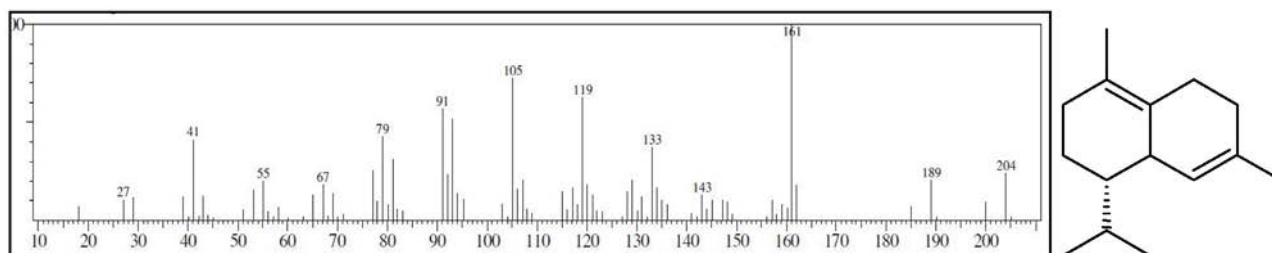


Figure S35. Mass spectra of  $\delta$ -amorphene.

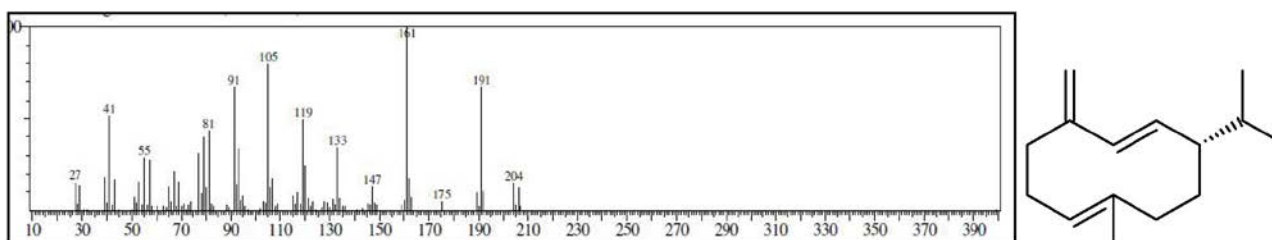


Figure S36. Mass spectra of germacrene D.

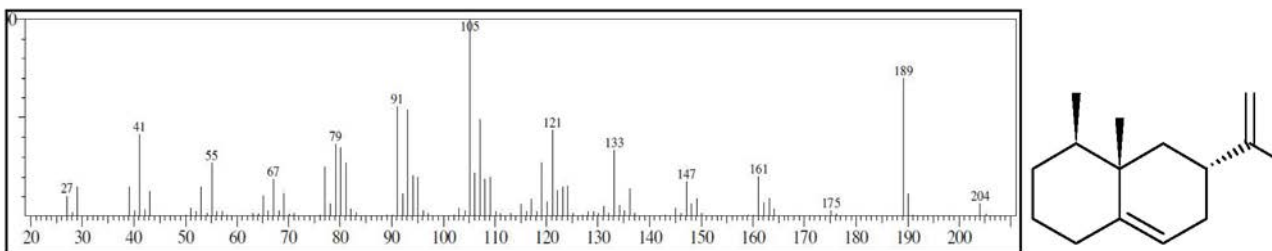


Figure S37. Mass spectra of aristolochene.

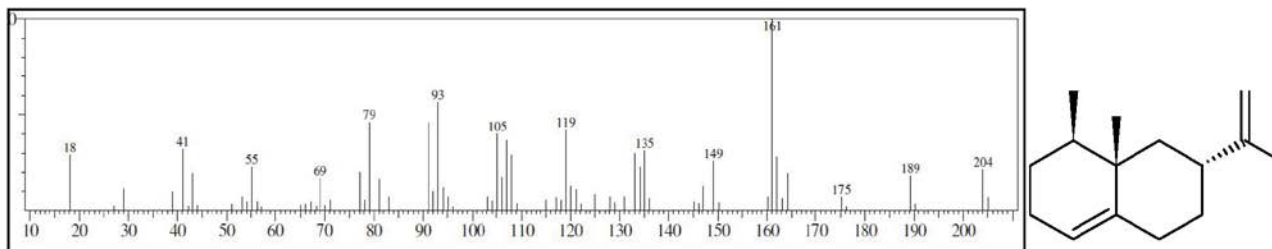


Figure S38. Mass spectra of valencene.

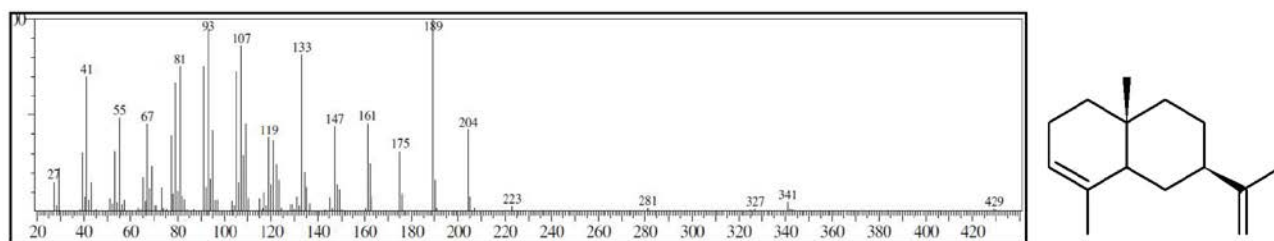


Figure S39. Mass spectra of  $\alpha$ -selinene.

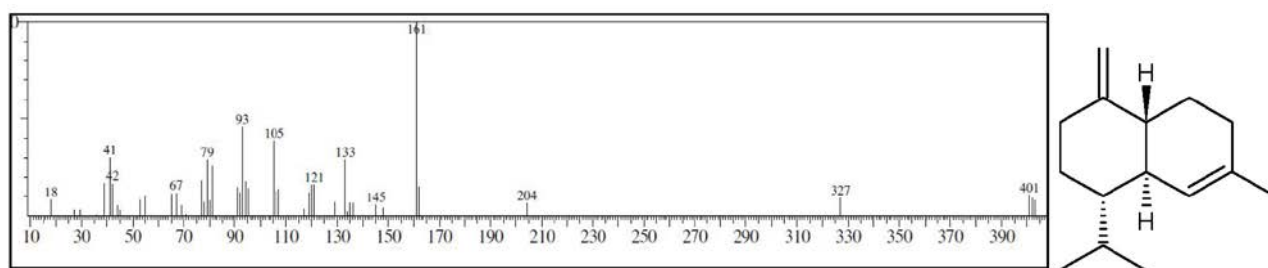


Figure S40. Mass spectra of  $\gamma$ -cadinene.

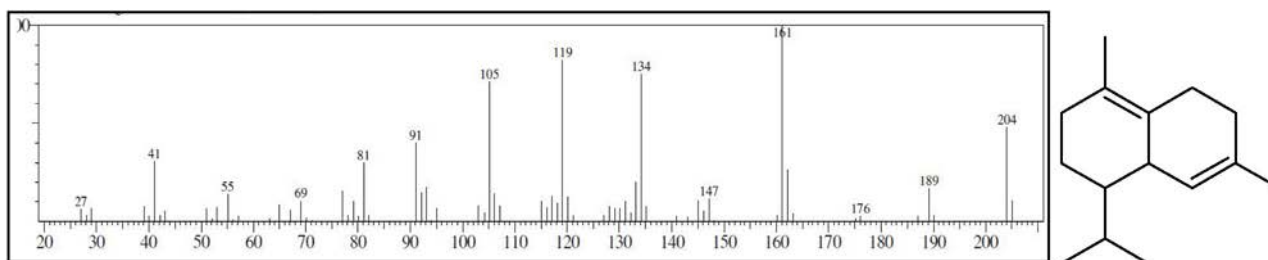


Figure S41. Mass spectra of  $\delta$ -cadinene.

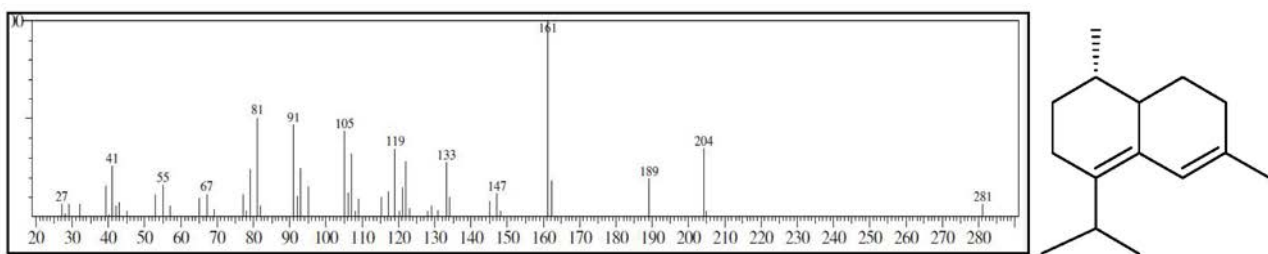


Figure S42. Mass spectra of zonarene.

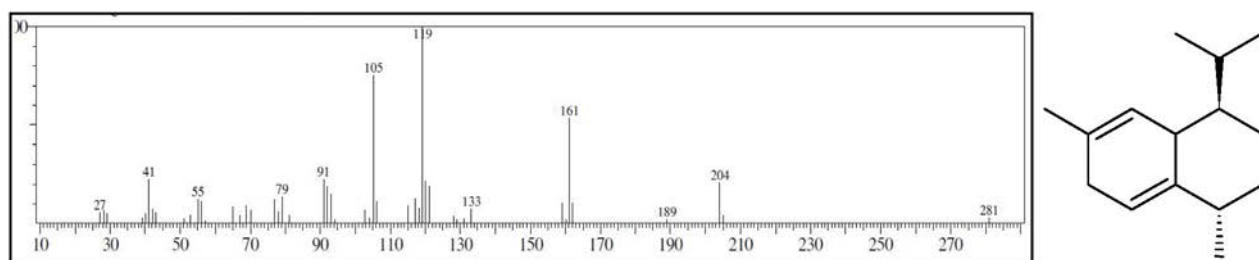


Figure S43. Mass spectra of *trans*-cadina-1(2)-4-diene.

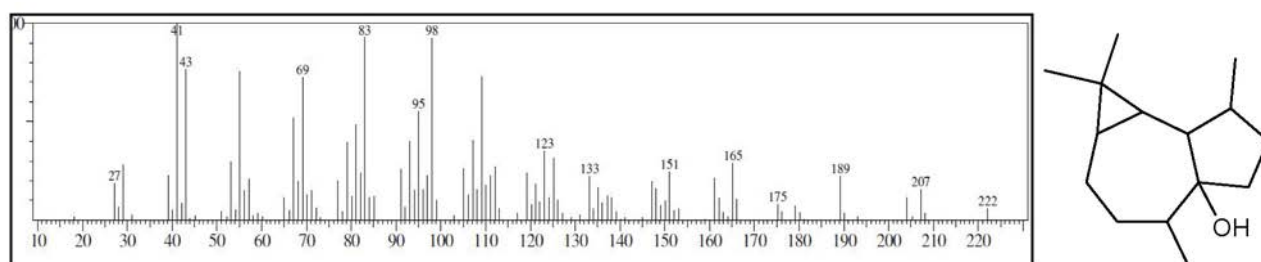


Figure S44. Mass spectra of palustrol.

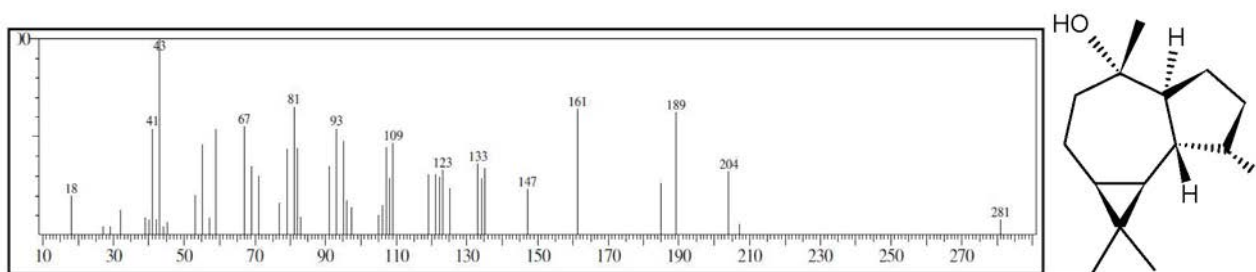


Figure S45. Mass spectra of globulol.

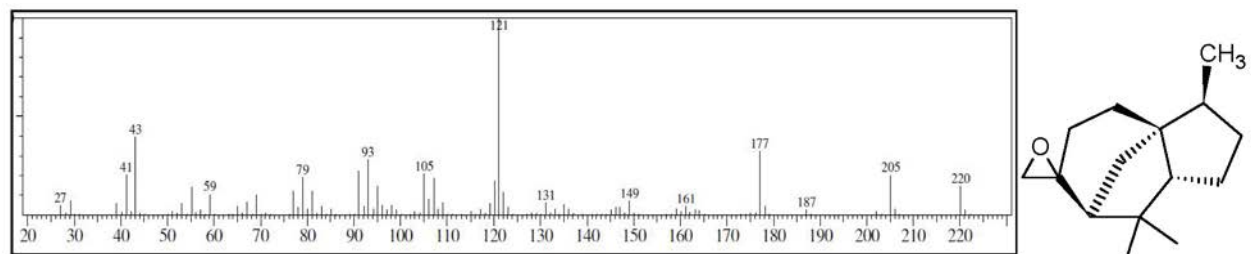


Figure S46. Mass spectra of  $\beta$ -cedrene epoxide.

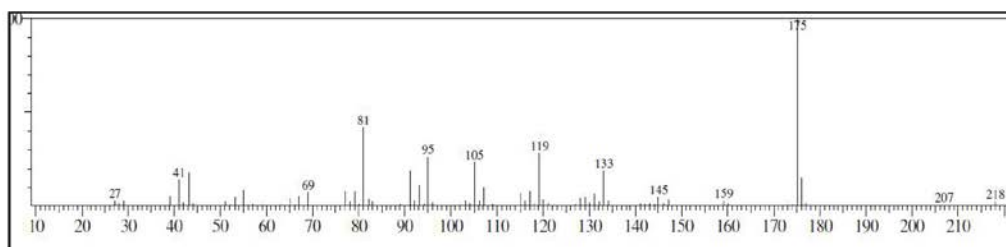


Figure S47. Mass spectra of  $\beta$ -cedren-9-one.

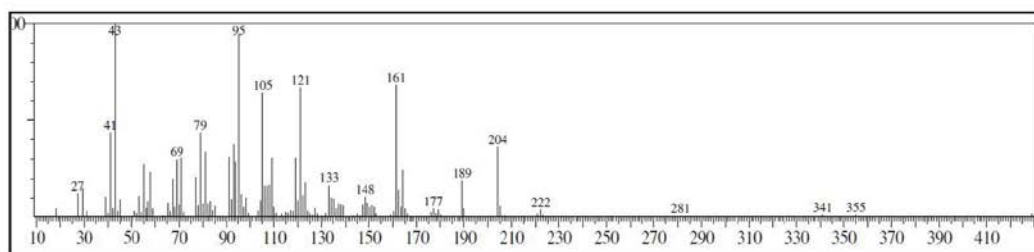


Figure S48. Mass spectra of  $\alpha$ -cadinol.

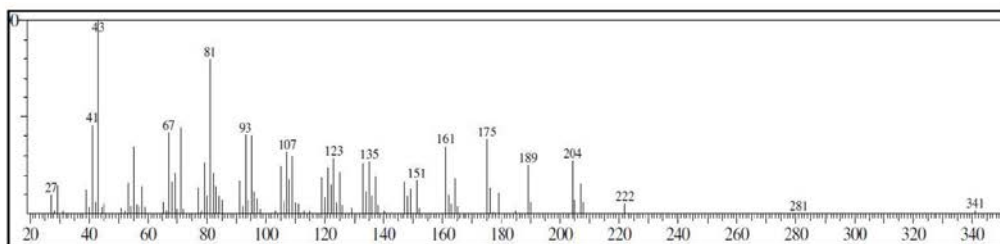


Figure S49. Mass spectra of juniper camphor.

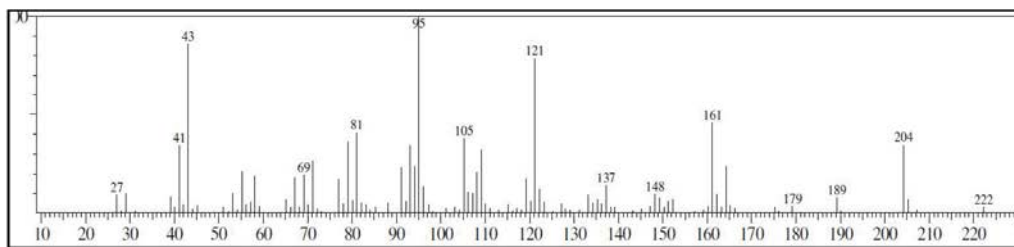


Figure S50. Mass spectra of 5-neo-cedranol.

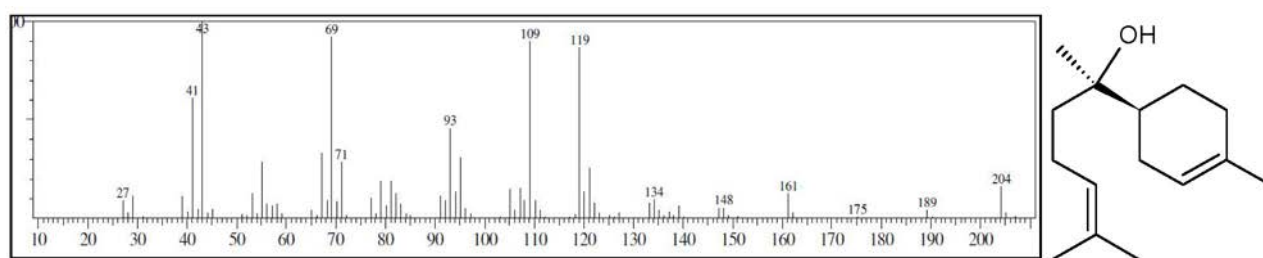


Figure S51. Mass spectra of  $\alpha$ -bisabolol.

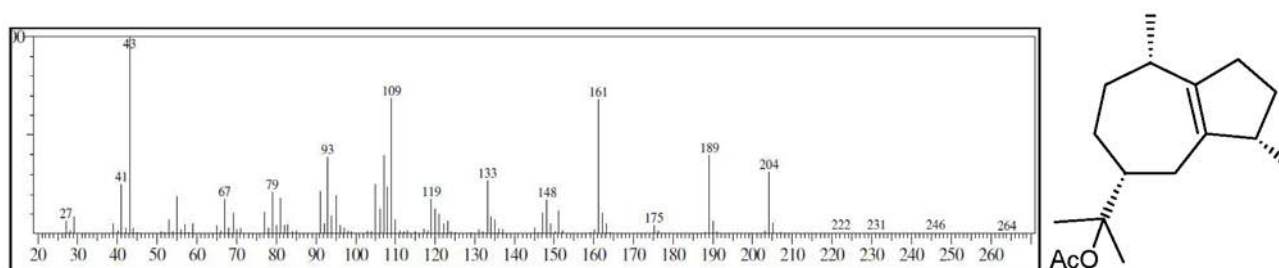


Figure S52. Mass spectra of guaiol acetate.

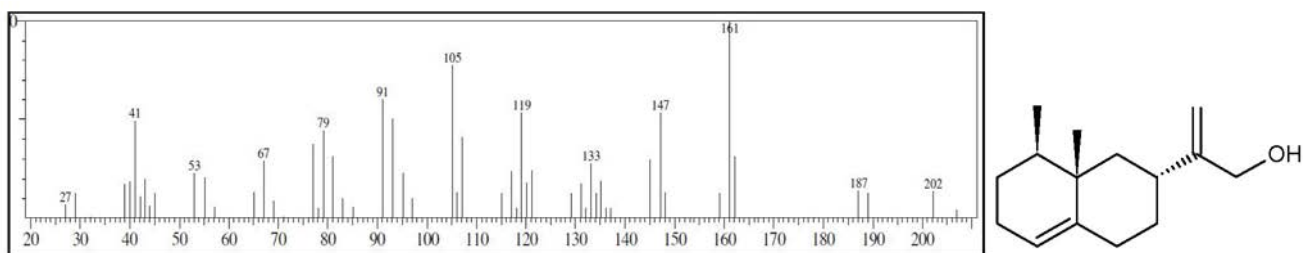


Figure S53. Mass spectra of 13-hydroxivalencene.

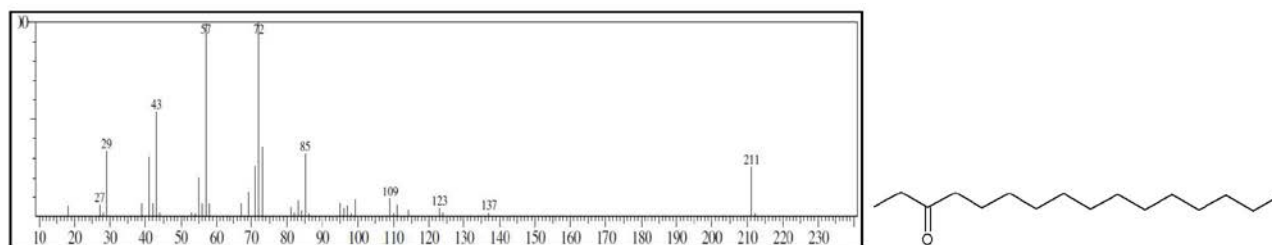


Figure S54. Mass spectra of hexadecan-3-one.