

Supplementary Information

Evaluation of the Influence of Extraction Conditions on the Isolation and Identification of Volatile Compounds from Cagaita (*Eugenia dysenterica*) using HS-SPME/GC-MS

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Table S1. Summary of the results obtained in the optimization of VOCs by the HS-SPME/GC-MS from cagaita by experimental design

Fiber	Equation	R ²	Lack of fit
PA	parameters were not significant		
CAR/PDMS	$y = 5.32 + 0.1t$	0.7686	$p = 0.22$
CW/DVB	$y = 10.68 - 0.0014Tt$	0.5202	$p = 0.19$
DVB/CAR/PDMS	$y = 3.03 + 0.1125t$	0.7376	$p = 0.51$
PDMS/DVB	$y = 8.51 - 0.018A$	0.4211	$p = 0.25$

R²: determination coefficient; PA: polyacrylate; CAR: carboxen; PDMS: polydimethylsiloxane; CW: carbowax; DVB: divinylbenzene; T: time; t: temperature; A: agitation.

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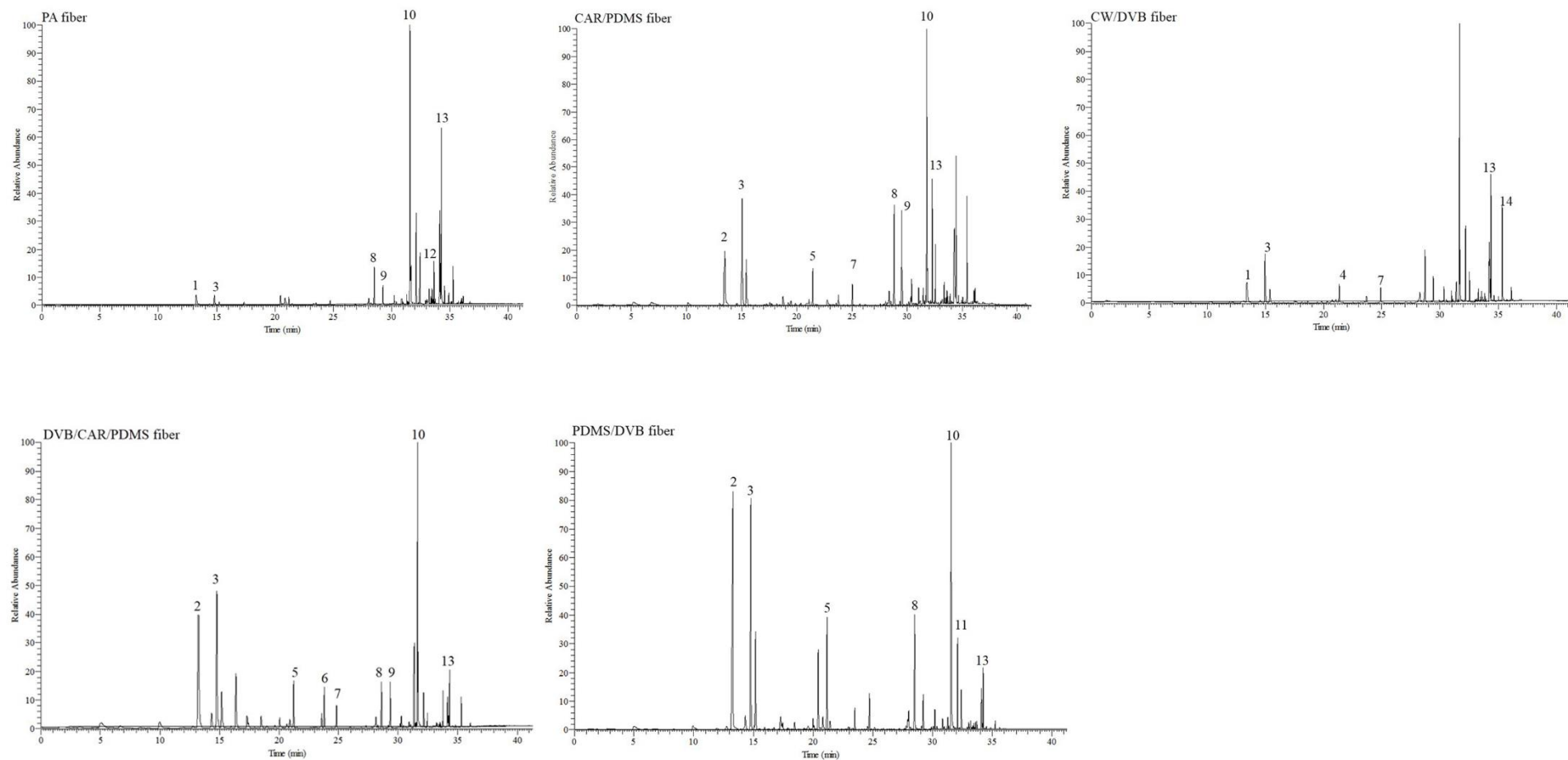


Figure S1. HS-SPME/GC-MS chromatograms from cagaita. Peaks: (1) ethyl acetate; (2) 3-methyl acetate-1-butanol; (3) α -terpinene; (4) 3-buten-2-one; (5) nonanoic acid; (6) tetradecanoic acid; (7) 2-methyl-1,3-butadiene; (8) dodecanoic acid; (9) estragole; (10) eucalyptol; (11) (Z)-9-methyl octadecenoate; (12) 2-propen-1-one, 3-(4-methylphenyl)-1-phenyl-chalcone, 4-methyl; (13) oleyl alcohol; (14) dibutyl phthalate.