

Table S1. Total phenol content (TPC) (mg GAE/g DW) of olive leaf extracts by Microwave-Assisted Extraction (MAE).

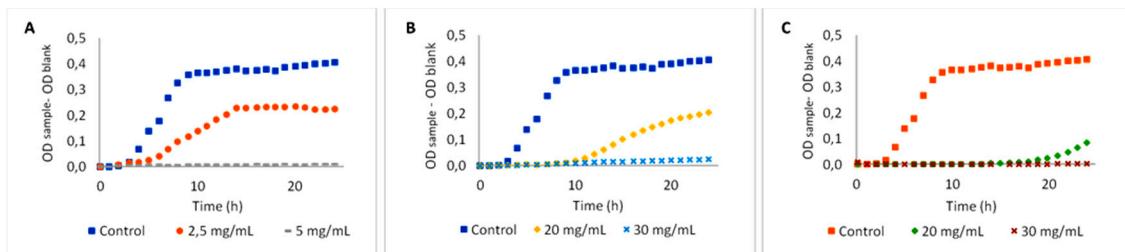
Time (min)	Temperature (°C)	Solvent				
		Water	50% Ethanol	75% Ethanol	5% Glycerol	10% Glycerol
3	40	23.05 ± 0.08 ^{u,v}	36.25 ± 0.26 ^{i,j}	30.56 ± 0.17 ^{n,o}	24.16 ± 0.47 ^{t,u}	17.96 ± 0.43 ^{x,y}
		0.83 ^{q,r}	0.38 ^{h,i}	0.61 ^{k,l,m}	0.18 ^{r,s}	0.45 ^{k,l} 0.24 ^{m,n}
	60	27.01 ± 0.83 ^{q,r}	37.78 ± 0.38 ^{h,i}	34.17 ± 0.61 ^{k,l,m}	25.87 ± 0.18 ^{r,s}	34.49 ± 0.45 ^{k,l}
		41.68 ± 0.36 ^g	45.60 ± 0.66 ^{c,d}	41.31 ± 0.14 ^g	26.77 ± 0.82 ^{q,r}	38.50 ± 0.54 ^h
	80	23.12 ± 0.42 ^{u,v}	35.12 ± 0.31 ^{j,k,l}	28.90 ± 0.42 ^p	18.85 ± 0.10 ^{w,x,y}	28.10 ± 0.06 ^{p,q}
		31.37 ± 0.08 ^{m,n}	45.51 ± 0.29 ^{c,d}	33.85 ± 0.33 ^{l,m}	26.56 ± 0.58 ^{q,r}	30.75 ± 0.81 ⁿ
6.5	40	41.93 ± 0.93 ^g	53.19 ± 0.56 ^a	44.07 ± 0.30 ^{d,e}	34.30 ± 0.85 ^{k,l,m}	44.19 ± 0.57 ^{d,e}
		19.82 ± 0.30 ^w	36.28 ± 0.12 ^{i,j}	35.48 ± 0.26 ^k	22.39 ± 0.47 ^v	34.21 ± 0.23 ^{k,l,m}
	60	29.01 ± 0.07 ^{o,p}	53.31 ± 0.44 ^a	42.23 ± 0.34 ^{f,g}	26.19 ± 0.20 ^{r,s}	37.13 ± 0.40 ^{h,i}
		43.80 ± 0.74 ^{e,f}	54.05 ± 0.57 ^a	47.39 ± 0.74 ^b	28.72 ± 0.14 ^p	46.79 ± 0.64 ^{b,c}
	80	18.94 ± 0.08 ^{w,x}	34.21 ± 0.23 ^{k,l,m}	22.17 ± 0.40 ^{h,i}	38.37 ± 0.31 ^v	18.94 ± 0.61 ^h
		22.17 ± 0.31 ^v	38.37 ± 0.61 ^h	18.94 ± 0.08 ^{w,x}	18.94 ± 0.61 ^h	18.94 ± 0.08 ^{w,x}

Values are expressed as mean ± standard deviation. Different superscript letters indicate values significantly different ($p < 0.05$) according to Tukey's Multiple Range Test.

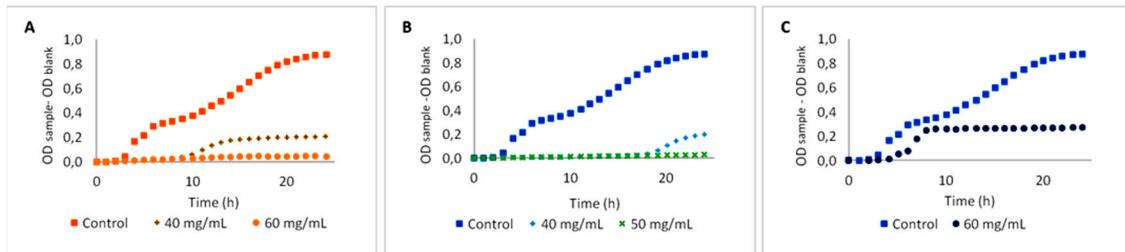
Table S2. Antioxidant activity (AA) (mg TE/g DW) of olive leaf extracts by Microwave-Assisted Extraction (MAE).

Time (min)	Temperature (°C)	Solvent				
		Water	50% Ethanol	75% Ethanol	5% Glycerol	10% Glycerol
3	40	13.21 ± 1.97 ^{w,x,y,z}	13.78 ± 0.98 ^{v,w,x,y,z}	24.28 ± 1.89 ^{o,p,q,r,s,t}	12.02 ± 0.64 ^{x,y,z}	13.26 ± 1.17 ^{w,x,y,z}
		30.28 ± 1.72 ^{l,m,n,o}	33.33 ± 1.54 ^{k,l,m}	40.10 ± 1.35 ^{i,j,k}	16.18 ± 1.70 ^{t,u,v,w,x,y,z}	19.88 ± 1.84 ^{q,r,s,t,u,v,w,x}
	60	50.59 ± 1.99 ^{d,e,f,g,h}	51.41 ± 1.22 ^{d,e,f,g}	54.07 ± 1.08 ^{c,d,e,f}	18.05 ± 1.32 ^{s,t,u,v,w,x,y}	23.12 ± 1.88 ^{o,p,q,r,s,t,u}
		17.28 ± 1.23 ^{s,t,u,v,w,x,y,z}	42.94 ± 1.44 ^{h,I,j}	28.66 ± 0.97 ^{l,m,n,o,p}	12.32 ± 1.62 ^{x,y,z}	14.53 ± 1.47 ^{v,w,x,y,z}
	6.5	47.37 ± 2.51 ^{f,g,h,i}	50.46 ± 0.44 ^{d,e,f,g,h}	50.99 ± 0.73 ^{d,e,f,g,h}	17.90 ± 1.88 ^{s,t,u,v,w,x,y}	20.62 ± 1.62 ^{p,q,r,s,t,u,v,w}
		52.64 ± 1.71 ^{d,e,f,g}	58.27 ± 0.86 ^{b,c,d}	57.04 ± 0.15 ^{c,d}	19.93 ± 1.41 ^{q,r,s,t,u,v,w,x}	27.04 ± 1.88 ^{m,n,o,p,q,r}
10	40	21.66 ± 1.78 ^{p,q,r,s,t,u,v}	45.59 ± 0.78 ^{g,h,i}	27.95 ± 1.96 ^{l,m,n,o,p,q}	19.05 ± 1.58 ^{r,s,t,u,v,w,x,y}	23.17 ± 2.11 ^{o,p,q,r,s,t,u}
		48.22 ± 2.26 ^{e,f,g,h,i}	56.18 ± 2.20 ^{c,d,e}	61.40 ± 1.68 ^{b,c}	24.94 ± 1.91 ^{n,o,p,q,r,s}	32.69 ± 2.46 ^{k,l,m,n}
	60	58.56 ± 1.43 ^{b,c,d}	71.81 ± 2.45 ^a	65.45 ± 1.24 ^{a,b}	29.86 ± 2.13 ^{l,m,n,o}	36.03 ± 3.18 ^{j,k,l}
						27.59 ± 2.33 ^{m,n,o,p,q}

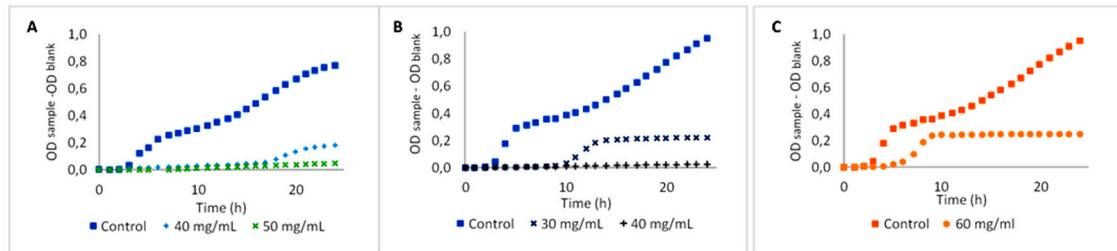
Values are expressed as mean ± standard deviation. Different superscript letters indicate values significantly different ($p < 0.05$) according to Tukey's Multiple Range Test.



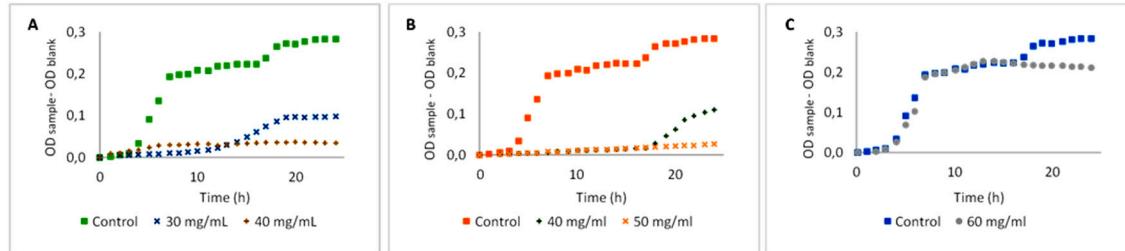
(a)



(b)



(c)



(d)

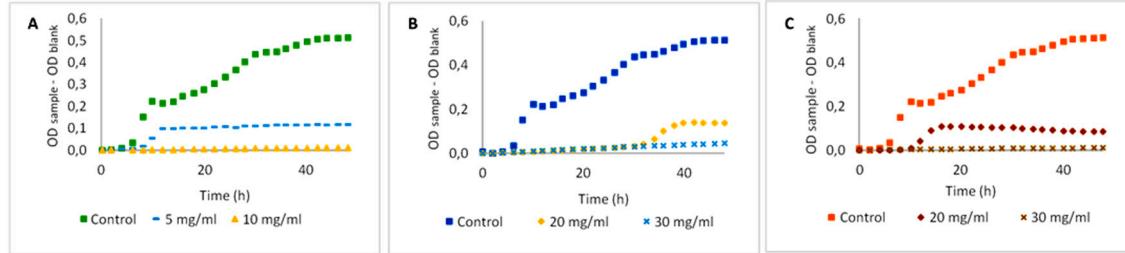


Figure S1. Growth of (a) *S. aureus*, (b) *S. Typhimurium*, (c) *E. coli*, (d) *L. monocytogenes* and (e) *Y. enterocolitica* in broth with olive leaf extracts added, where A, B and C are the MAE-W, MAE-Et50 and MAE-Gly5 extracts, respectively.

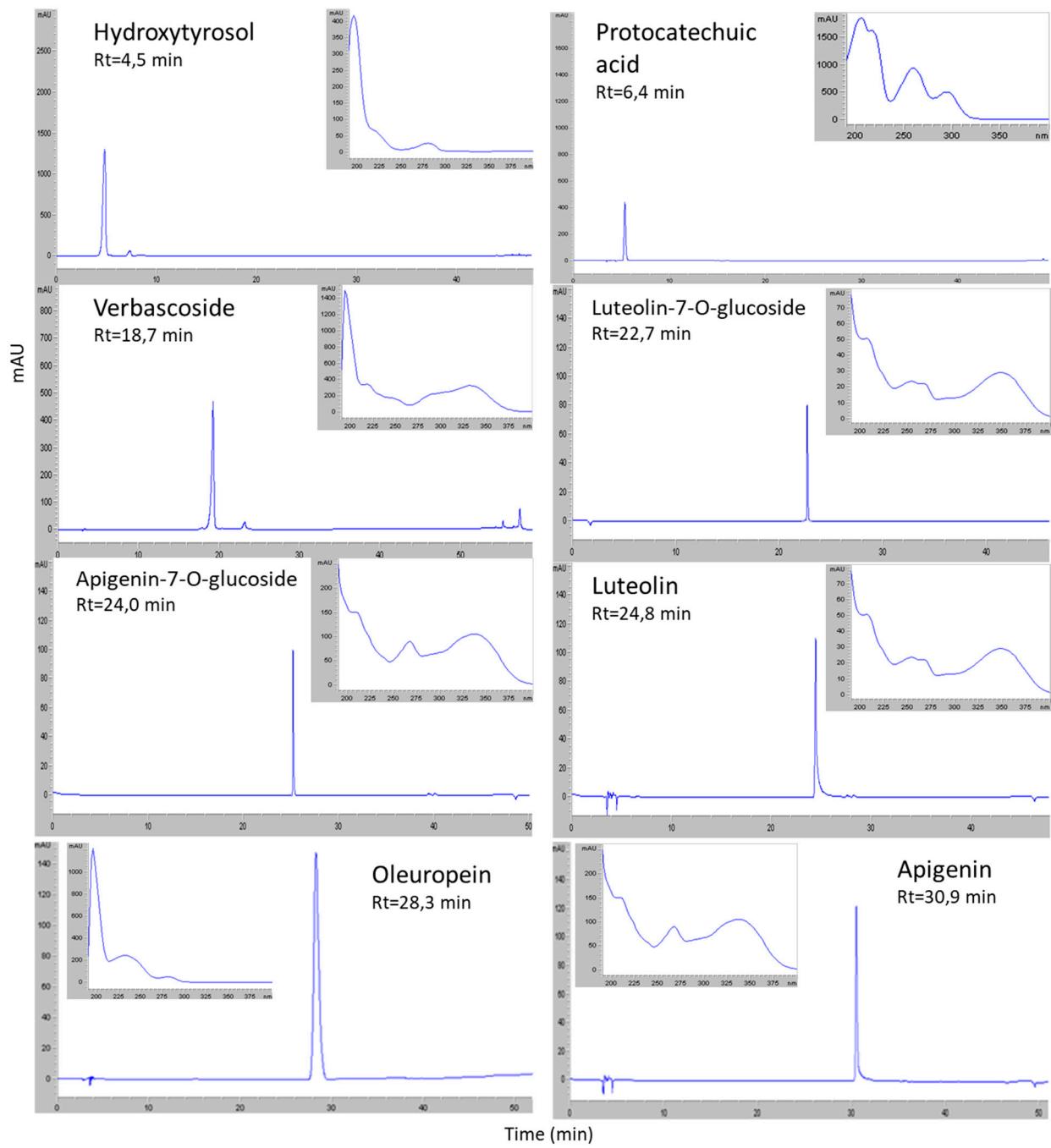


Figure S2. HPLC-UV chromatograms at 280 nm, the UV spectra and the retention time (Rt) of the phenolic standards employed to investigate and quantify these compounds in the phenolic extracts.

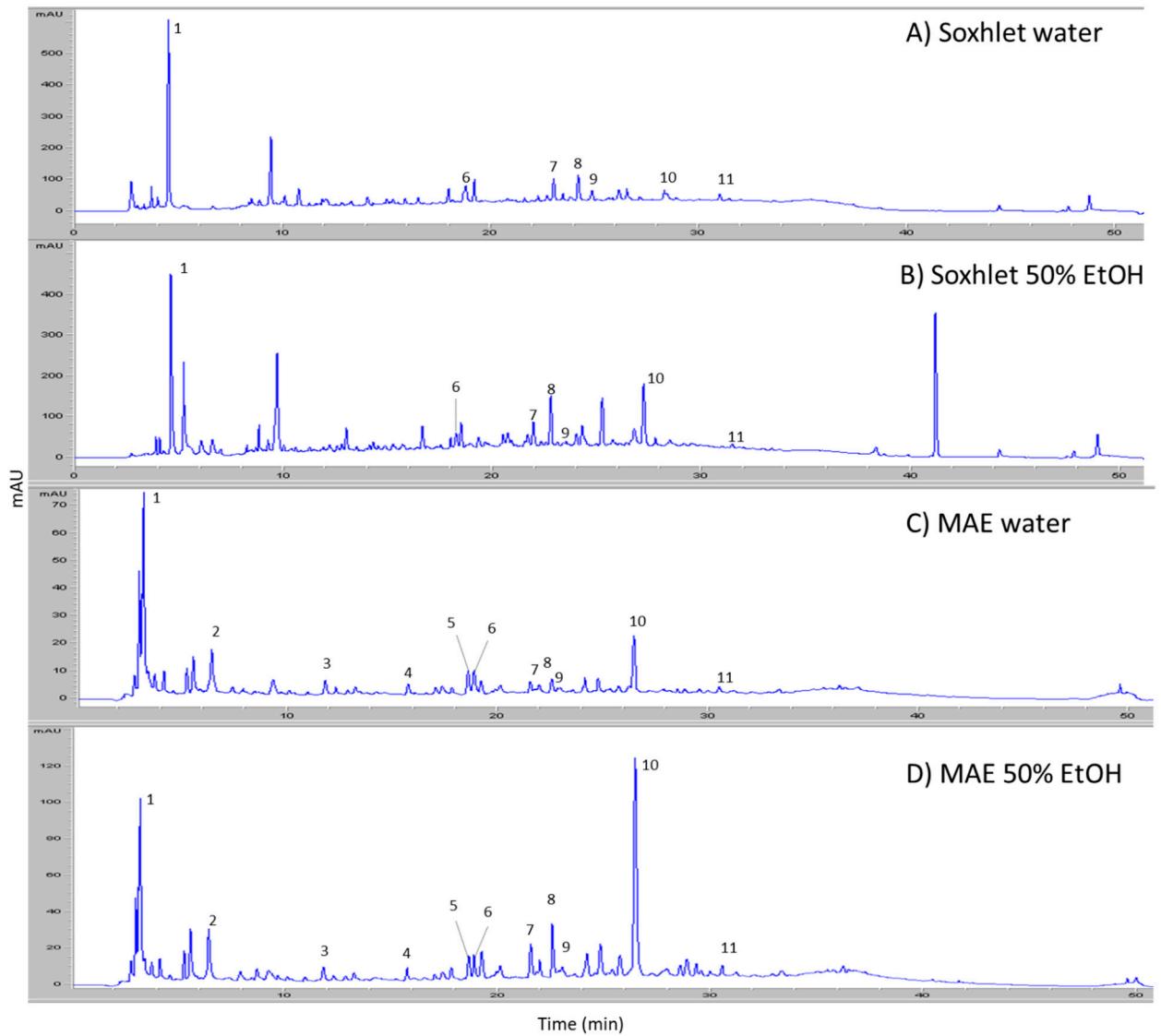


Figure S3. HPLC-UV chromatograms at 280 nm of the phenolic extracts obtained by two methods and two solvents: (A) Soxhlet water; (B) Soxhlet 50% EtOH; (C) Microwave-Assisted Extraction at 80°C during 10 min (MAE 10-80) water; (D) MAE 10-80 50% EtOH. Quantified compounds were: (1) hydroxytyrosol, (2) protocatechuic acid, (3) elenolic acid derivative-1, (4) elenolic acid derivative-2, (5) elenolic acid derivative-3, (6) verbascoside, (7) luteolin-7-O-glucoside, (8) apigenin-7-O-glucoside, (9) luteolin, (10) oleuropein, and (11) apigenin.