

Table S1. Parameters of analytical methods of organic compounds - Repeatability

Acid Acetic	Repetition	Retention time			Area		
		Dia 1	Dia 2	Dia 3	Dia 1	Dia 2	Dia 3
	1	20.234	20.232	20.232	442443	442309	439577
	2	20.231	20.243	20.233	438724	433912	441010
	3	20.249	20.241	20.239	434521	433078	438178
	Mean	20.24	20.24	20.23	438563	436433	439588
	SD	0.01	0.01	0.00	3963	5106	1416
	CV (%)	0.05	0.03	0.02	0.90	1.17	0.32
Acid Citric	Repetition	Retention time			Area		
		Dia 1	Dia 2	Dia 3	Dia 1	Dia 2	Dia 3
	1	12.562	12.562	12.561	1155960	1149928	1144346
	2	12.561	12.535	12.551	1143421	1146059	1147507
	3	12.540	12.533	12.562	1145085	1160090	1149691
	Mean	12.554	12.543	12.558	1148155	1152026	1147181
	SD	0.01	0.02	0.01	6810	7247	2687
	CV (%)	0.10	0.13	0.05	0.59	0.63	0.23
Acid Lactic	Repetition	Retention time			Area		
		Dia 1	Dia 2	Dia 3	Dia 1	Dia 2	Dia 3
	1	18.766	18.762	18.763	138522	137324	137708
	2	18.762	18.744	18.754	139051	133127	137901
	3	18.745	18.747	18.764	138478	132348	138787
	Mean	18.758	18.751	18.760	138684	134266	138132
	SD	0.01	0.01	0.01	319	2677	575
	CV (%)	0.06	0.05	0.03	0.23	1.99	0.42
Acid Malic	Repetition	Retention time			Area		
		Dia 1	Dia 2	Dia 3	Dia 1	Dia 2	Dia 3
	1	14.607	14.607	14.607	599885	590831	596789
	2	14.606	14.601	14.604	587655	593394	596953
	3	14.607	14.598	14.603	603075	601246	593770
	Mean	14.607	14.602	14.604	596872	595157	595837
	SD	0.00	0.00	0.00	8140	5427	1792
	CV (%)	0.00	0.03	0.02	1.36	0.91	0.30
Acid Quinic	Repetition	Retention time			Area		
		Dia 1	Dia 2	Dia 3	Dia 1	Dia 2	Dia 3
	1	15.094	15.093	15.092	753345	756234	760845
	2	15.091	15.078	15.0845	767307	773513	754790
	3	15.081	15.078	15.080	774931	786123	767179
	Mean	15.089	15.083	15.085	765194	771957	760938
	SD	0.01	0.01	0.01	10947	15005	6195
	CV (%)	0.05	0.06	0.04	1.43	1.94	0.81
Acid Succinic	Repetition	Retention time			Area		
		Dia 1	Dia 2	Dia 3	Dia 1	Dia 2	Dia 3
	1	17.913	17.911	17.912	117415	117218	116591
	2	17.911	17.949	17.930	116536	116087	117003
	3	17.961	17.947	17.954	116069	117208	116751
	Mean	17.928	17.936	17.932	116673	116838	116782
	SD	0.03	0.02	0.02	683	650	208
	CV (%)	0.16	0.12	0.12	0.59	0.56	0.18

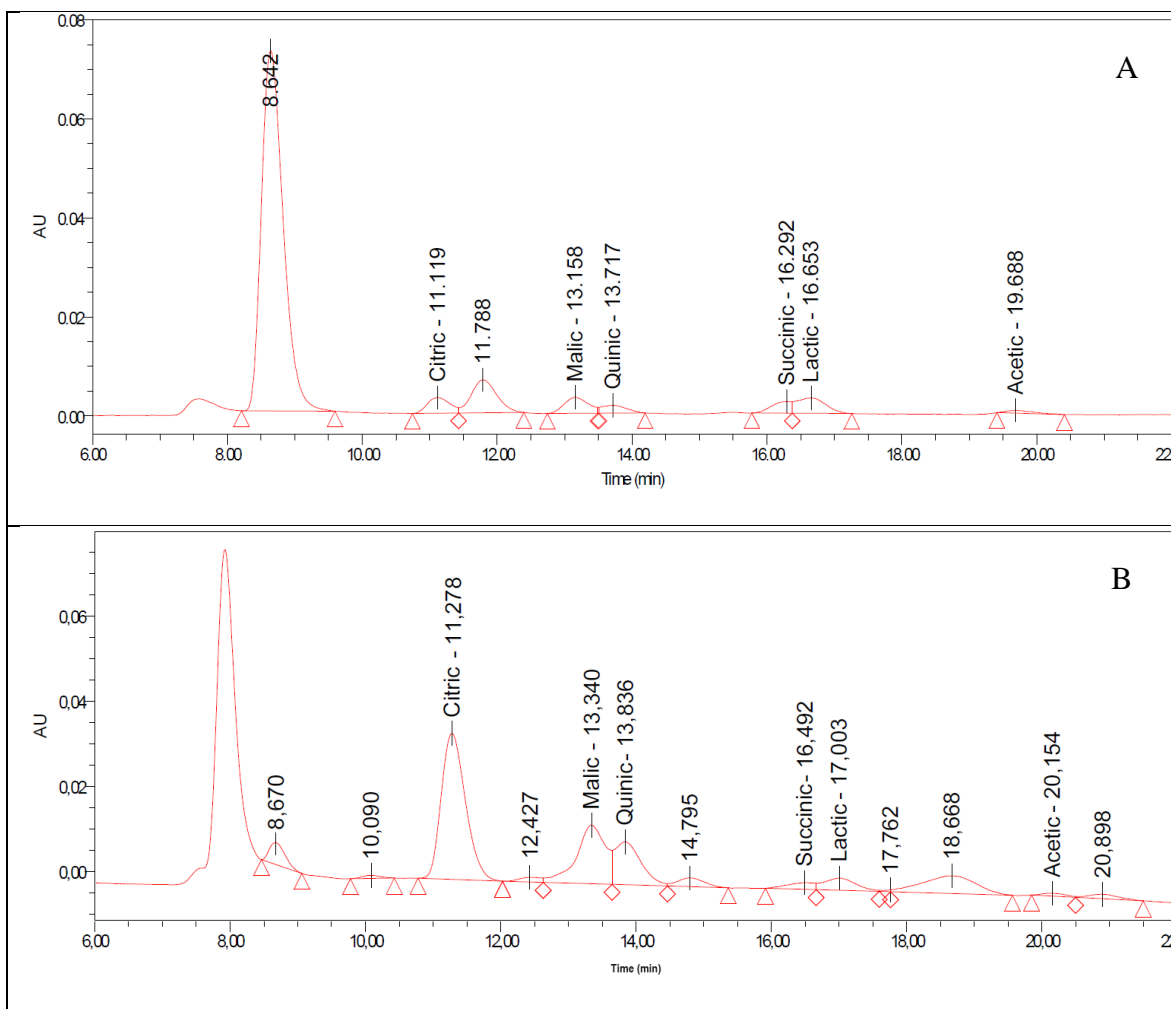


Figure S1: A. Chromatographic profile of the standard solution at 210 nm of citric acid (11.12 min), malic acid (13.16 min), quinic acid (13.72 min), succinic acid (16.29 min), lac-tic acid (16.65 min) and acetic acid 19.69 min) at 50 mg L⁻¹. B. Chromatographic profile of the green coffee sample.

Table S2: Example of the calculations performed for the quantification of the samples.

Name	Area	Amount	Weight (g)	Volume (mL)	[g kg ⁻¹]
Acetic	110758	77.47	0.8820	25	2.20
Citric	1145038	466.11	0.8820	25	13.21
Lactic	94734	22.10	0.8820	25	0.63
Malic	304307	177.49	0.8820	25	5.03
Quinic	223276	201.47	0.8820	25	5.71
Succinic	36993	24.10	0.8820	25	0.68