TABLE 3
Glycosidically bound compounds of grape samples. Relative area (standard deviation).

Compound	First harvest date			Second harvest date			KI	ID
	HUA_0	CAU_0	ITA_0	HUA_1	CAU_1	ITA_1		
Alcohols								
2-Methyl-2-butanol	20.3 (1.1)[a]	22.3 (1.9)[a]	21.5 (1.2)[a]	19.1 (0.2)	24.8 (0.7)	30.3 (0.3)*	1005	A
Butanol	3.21 (0.31)[b]	1.89 (0.21)[a]	4.99 (0.02)[c]	3.02 (0.26)	8.63 (0.06)*	3.28 (0.3)*	1170	A
2-Ethyl-1-hexanol	169 (2)[a]	204 (8)[a]	204 (21)[a]	178 (26)	338 (4)*	298 (32)*	1574	A
Benzyl alcohol	12.6 (1.5)[a]	19.8 (1.2)[a,b]	27.1 (4.1)[b]	30.8 (4.2)*	42.9 (1.8)*	40.7 (3.1)*	1906	B
2-phenylethanol	ND[a]	43.8 (1.5)[c]	24.3 (2.9)[b]	ND	134 (19)*	66.8 (2.8)*	1921	A
Total	**205**[a]	**292**[b]	**282**[b]	**231**	**557***	**439***		
Aldehydes								
Hexanal	17.1 (0.4)[a]	20.4 (1.2)[a]	17.7 (1.8)[a]	14.2 (1.2)	19.8 (2.8)	17.1 (1.2)	1081	A
Nonanal	13.6 (0.3)[a]	13.5 (0.5)[a]	18.4 (0.4)[b]	13.2 (0.8)	23.5 (5.9)	18.4 (0.5)	1413	A
Benzaldehyde	113 (1)[a]	168 (14)[b]	144 (9)[a,b]	125 (6)*	265 (17)*	255 (7)*	1564	A
2,5-Dimethyl benzaldehyde	20.5 (1.6)[a]	42.5 (8.8)[a]	45.9 (8.4)[a]	28.1 (2.6)	102 (12)*	45.2 (6.9)	1930	A
Total	**164**[a]	**244**[b]	**226**[b]	**181**	**410***	**336***		
Terpenes								
Limonene	15.8 (0.5)[a]	67.2 (3.6)[b]	27.8 (3.8)[a]	21.6 (0.5)*	60.4 (5.3)	21.4 (0.4)	1230	A
β-Linalool	ND[a]	4.1 (0.63)[b]	3.42 (0.03)[b]	1.97 (0.04)*	6.66 (0.74)	5.22 (0.04)*	1580	A
Myrcenol	ND[a]	2.91 (0.34)[b]	2.72 (0.19)[b]	ND	4.84 (0.14)*	4.93 (0.71)	1610	B
Ocimenol	1.05 (0.04)[a]	9.39 (0.57)[b]	9.21 (0.94)[b]	4.37 (0.71)*	14.1 (1.4)	18.85 (1.82)*	1750	C
α-terpineol	9.75 (0.01)[a]	16.3 (0.5)[b]	16.8 (1.9)[b]	11.3 (1.3)	25.8 (3.1)	25.2 (3.4)	1730	A
6,7-Dihydro-7-hydroxylinalool	2.87 (0.23)[a]	15.2 (0.8)[b]	26.5 (2.6)[c]	21.4 (3.1)*	16.5 (1.4)	43.9 (5.1)*	2025	C
Total	**29.5**[a]	**115**[c]	**85**[b]	**60.6***	**137**	**120***		
Ketones								
Cyclohexanone	14.3 (0.1)[a]	15.8 (1)[a,b]	18.4 (0.9)[b]	16.9 (0.3)*	26.7 (5.1)	26.8 (2.2)	1360	C
Acetophenone	14.6 (0.1)[a]	18.7 (0.6)[a]	20.1 (2.6)[a]	17.1 (2.9)	34.2 (2.2)*	29.4 (2.5)	1695	B
Total	**28.9**[a]	**34.5**[b]	**38.5**[b]	**34.0**	**59.1***	**56.2***		
Acids								
Acetic acid	33.2 (3.2)[a]	97.4 (18.7)[b]	53.2 (0.2)[a,b]	35.7 (4.6)	99.5 (13.1)	53.2 (2.8)	1523	A
Hexanoic acid	14.9 (1.7)[b]	ND[a]	19.2 (1.2)[b]	19.4 (2)	28.9 (0.1)*	21.3 (2.5)*	1907	A
Total	**48.1**[a]	**97.4**[b]	**72.4**[a,b]	**55.1**	**119**	**74.5**		
C_{13}-norisoprenoids								
α-Ionene	6.29 (0.7)[a]	26.9 (0.1)[c]	22.8 (0.9)[b]	9.07 (1.36)	52.6 (3.2)*	51.1 (3.1)*	1552	B
TDN	4.44 (0.21)[a]	98.7 (2.2)[c]	71.1 (10.5)[b]	23.7 (2.6)*	177 (4)*	191 (33)*	1733	B
β-Damascenone	7.45 (0.95)[b]	12.4 (1.4)[c]	ND[a]	8.52 (1.17)	15.5 (0.6)	ND	1845	A
Total	**18.8**[a]	**138**[c]	**94**[b]	**41.2***	**244***	**242***		
Benzenes								
p-Xylene	2.54 (0.14)[b]	0.942 (0.123)[a]	3.19 (0.41)[b]	2.42 (0.04)	3.85 (0.03)*	2.45 (0.09)*	1220	A

[a] Different letters in different columns indicate significant differences ($p < 0.05$) between locations. *Significant differences according to Tukey's test ($p < 0.05$) with the first maturation stage of every location.
ID: reliability of identification: A, mass spectrum and LRI agreed with standards; B, mass spectrum agreed with mass spectral data base and LRI agreed with the literature data: [14, 17, 27, 39]; C, tentatively identified, mass spectrum agreed with mass spectral database.
KI: Kovats Index
ND: not detected

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