Table S1. Mean peak area ± standard error of volatile aromatic compounds and their retention time (RT).

RT	Compound	R	COOL	LOOL	MOOL	HOOL	COOM	LOOM	MOOM	HOOM	COOS	LOOS	MOOS	HOOS	COOCP	LOOCP	MOOCP	HOOCP
3.666	Propionic anhydride	nd	nd	nd	48249 ±48249	nd	54854 ±54854	nd	nd	36037 ±36037	nd	nd	nd	nd	nd	nd	nd	nd
3.672	Diethyl ketone	nd	166627 ±83461	72177 ±72177	nd	54534 ±54534	59818 ±59818	nd	53483 ±53483	45533 ±45533	54240 ±54240	nd	97205 ±48712	39221 ±39221	153356 ±8858	109949 ±55481	nd	41649 ±41649
6.650	3-Hexenal	nd	117752 ±117752	106309 ±106309	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	77542 ±77542	nd	84099 ±84099	nd
8.339	2-Hexenal	nd	1049740 ±524923	2811582 ±668290	1260881 ±87766	870211 ±80546	168826 ±168826	nd	nd	nd	7926028 ±35560	7695713 ±166307	2314148 ±2314148	5675151 ±96599	67768 ±67768	nd	nd	nd
8.373	2-(1,1-dimethylethyl)-Cyclobutanone	nd	nd	nd	nd	202920 ±202920	nd	87356 ±87356	143514 ±72395	nd	nd	nd	nd	nd	62075 ±62075	61915 ±61915	nd	nd
8.453	Trans-3-hexenol	nd	1981975 ±104302	637454 ±637454	1685933 ±179972	1204663 ±94434	1022030 ±210153	2298932 ±245963	2238521 ±137709	1128367 ±564184	nd	nd	nd	nd	808390 ±808390	2406772 ±62554	2211636 ±57140	1526284 ±227066
8.460	Bicyclobutane	nd	nd	nd	nd	nd	nd	nd	nd	nd	114711 ±114711	124765 ±124765	98847 ±98847	nd	nd	nd	nd	nd
8.879	Heptane, 4-methylene-	nd	362912 ±184657	159845 ±159845	294014 ±150099	228187 ±114739	627652 ±33446	92013 ±92013	171018 ±86878	133760 ±66916	1191504 ±12688	1116793 ±19882	1009304 ±14741	783922 ±31893	227210 ±113632	325749 ±3440	294493 ±1588	70502 ±70502
10.703	3-Ethyl-1,5-octadiene Isomer I	nd	96418 ±48376	22520 ±22520	nd	nd	nd	nd	nd	nd	40861 ±40861	nd	36303 ±36303	23978 ±23978	nd	nd	nd	nd
10.841	3-Ethyl-1,5-octadiene Isomer II	nd	0	43614 ±43614	34005 ±34005	27785 ±27785	nd	nd	nd	nd	56658 ±56658	105414 ±52727	93611 ±46859	33802 ±33802	115940 ±5244	73731 ±36898	nd	nd
12.120	3-Ethyl-1,5-octadiene Isomer III	nd	176835 ±89144	69424 ±69424	49614 ±49614	44240 ±44240	nd	nd	nd	60603 ±30305	251945 ±126137	353279 ±26994	288793 ±1547	61631 ±61631	253646 ±5792	134630 ±67393	61024 ±61018	39337 ±39337
12.387	Ethyl (E)-hex-3-enyl carbonate	nd	1281862 ±69322	364821 ±364821	952468 ±89863	469288 ±236128	327542 ±195829	915439 ±32613	783317 ±60145	412731 ±206780	nd	nd	nd	nd	1114455 ±9067	971174 ±10796	826783 ±27410	545460 ±94303
12.831	D-Limonene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	53770 ±26886	nd	nd	nd
16.429	1,2,3-Trimethylcyclohexane	nd	nd	nd	nd	nd	nd	nd	nd	67812 ±34277	nd	nd	nd	nd	nd	nd	nd	nd
16.431	1-Undecanol	nd	nd	nd	nd	nd	145160 ±74380	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
34.080	2-(4-methylphenyl)-Indolizine	348983 ±348983	81589 ±81589	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	790263 ±790263	306154 ±306154	nd

Abbreviations: R: Rancid; C: Control; OO: Olive oil; L at the start: Low; L at the end: Light; M at the start: Medium; M at the end: medium strength or classic flavor; H: High; S: strong or robust flavor; CP: cold press.