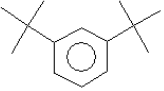
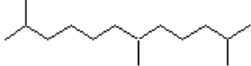
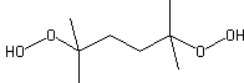
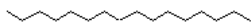

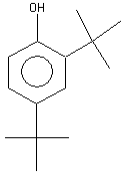


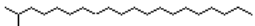
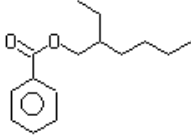



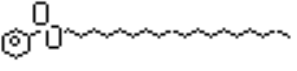
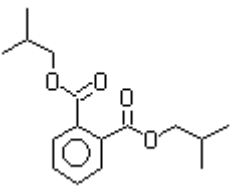
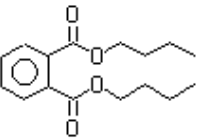
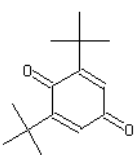
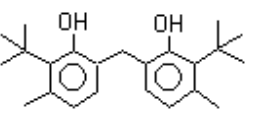
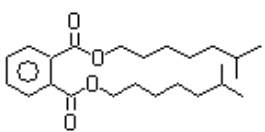


Table 3. Results of GC-MS analysis of antimicrobial compounds of strain 1410WF1-TSA30-2.

No.	RT, min	Compounds identified	Peak area (%)	Match (%)	Molecular formula	MW	Suggested chemical structure	mVOC/SuperScent
1.	23.03	Benzene, 1,3-bis(1,1-dimethylethyl)-	2.0	81	C ₁₄ H ₂₂	190		-
2.	24.29	Dodecane, 2,6,11-trimethyl-	0.9	84	C ₁₅ H ₃₂	212		-
3.	27.7	2,5-Dimethylhexane-2,5-dihydroperoxide	0.5	71	C ₁₄ H ₂₂ O ₄	178		-
4.	33.22	Hexadecane	0.6	76	C ₁₆ H ₃₄	226		<i>Bacillus simplex</i> , <i>Bacillus subtilis</i> , <i>Bacillus weihenstephanensis</i> , <i>cyanobacteria</i> , <i>Microbacterium oxydans</i> , <i>Stenotrophomonas maltophilia</i> , <i>Streptomyces lateritius</i> , <i>Serratia marcescens</i>
5.	33.34	Octadecane	2.5	81	C ₁₈ H ₃₈	254		-
6.	34.23	Phenol, 2,4-bis(1,1-dimethylethyl)-	3.2	85	C ₁₄ H ₂₂ O	206		-
7.	35.18	Nonadecane	0.8	81	C ₁₉ H ₄₀	268		<i>Alcaligenes faecalis</i> , <i>Arthrobacter nitroguajacolicus</i> , <i>Bacillus sp.</i> , <i>Lysobacter gummosus</i> , <i>Pseudomonas aurantiaca</i> , <i>Pseudomonas</i>

								<i>chlororaphis</i> , <i>Pseudomonas corrugata</i> , <i>Pseudomonas fluorescens</i> , <i>Stenotrophomonas ginsengisoli</i> , <i>Stenotrophomonas maltophilia</i> , unidentified soil bacteria
8.	37.58	1-Nonadecene	1.4	85	C ₁₉ H ₃₈	266		-
9.	41.35	Eicosane, 2-methyl-	4.5	80	C ₂₁ H ₄₄	296		-
10.	44.56	Benzoic acid, 2-ethylhexyl ester	1.7	72	C ₁₅ H ₂₂ O ₂	234		-
11.	45.63	Benzoic acid, tridecyl ester	2.1	72	C ₂₀ H ₃₂ O ₂	304		-
12.	45.82	Benzoic acid, tetradecyl ester	0.9	72	C ₂₁ H ₃₄ O ₂	318		-
13.	46.13	Benzoic acid, pentadecyl ester	1.7	71	C ₂₂ H ₃₆ O ₂	332		-
14.	46.23	Benzoic acid, octadecyl ester	9.5	73	C ₂₅ H ₄₂ O ₂	374		-

15.	46.98	1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	15.6	81	C ₁₆ H ₂₂ O ₄	278		-
16.	50.13	Dibutyl phthalate	2.6	87	C ₁₆ H ₂₂ O ₄	278		<i>Carnobacterium divergens</i> , <i>Pseudomonas fragi</i>
17.	51.44	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-	1.6	68	C ₁₄ H ₂₀ O ₂	220		-
18.	63.18	Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-	3.9	81	C ₂₃ H ₃₂ O ₂	340		-
19.	66.48	1,2-Benzenedicarboxylic acid, diisooctyl ester	1.5	87	C ₂₄ H ₃₈ O ₄	390		-

“RT”, retention time; “-”, the compounds with no entries for bacteria in mVOC and SuperScent databases.