Tabulka 1 změna složení silice v závislosti na době sklizně nadzemní části (VERMA, PADALIA, CHAUHAN, 2015)

S. no.	Compound	RI[a]	RI[b]	Content (%)				ISO standard	Identification methods
				Spring	Summer	Rainy	Autumn		
1.	Tricyclene	920	921	t	–	t	–		RI, MS
2.	α-Thujene	931	924	t	0.1	0.2	0.1		RI, MS
3.	α-Pinene	936	932	1.1	0.7	1.5	0.9	1.0–6.5	RI, MS
4.	Camphene	945	946	1.2	2.3	3.5	3.2	1.5–7.0	RI, MS
5.	Sabinene	976	969	–	–	0.2	–		RI, MS
6.	β-Pinene	982	974	3.7	2.1	1.5	0.9		RI, MS
7.	Myrcene	991	988	0.3	0.5	1.0	0.4		RI, MS
8.	α-Phellandrene	1001	1002	t	–	t	t		RI, MS
9.	α-Terpinene	1014	1014	t	–	0.1	–		RI, MS
10.	p-Cymene	1018	1020	0.1	0.1	0.3	t		RI, MS
11.	Limonene	1022	1024	0.2	t	1.5	t	0.5–3.0	RI, MS
12.	1,8-Cineole	1027	1026	13.8	8.4	7.3	8.2	5.5–13.0	RI, MS, Std
13.	γ-Terpinene	1053	1054	0.1	0.2	0.3	0.1		RI, MS
14.	cis-Sabinene hydrate	1063	1065	0.1	t	0.2	t		RI, MS
15.	cis-Linalool oxide (furanoid)	1065	1067	–	–	t	–		RI, MS
16.	Terpinolene	1084	1086	–	t	0.4	t		RI, MS
17.	Linalool	1096	1095	0.2	0.2	0.6	0.1	≤1.0[†]	RI, MS
18.	*trans*-Sabinene hydrate	1100	1098	–	–	t	–		RI, MS
19.	cis-Thujone (= α-thujone)	1105	1101	41.0	38.1	38.8	39.8	18.0–43.0	RI, MS
20.	*trans*-Thujone (= β-thujone)	1110	1112	3.1	3.5	3.2	3.7	3.0–8.5	RI, MS
21.	Camphor	1137	1141	9.3	22.1	20.8	18.4	4.5–24.5	RI, MS, Std
22.	3-neo-Thujanol	1152	1149	t	–	0.1	–		RI, MS
23.	δ-Terpineol	1162	1162	t	0.1	0.4	0.1		RI, MS
24.	Borneol	1159	1165	2.0	1.3	1.4	1.6		RI, MS
25.	cis-Pinocamphone	1165	1172	t	0.3	–	0.3		RI, MS
26.	Terpinen-4-ol	1168	1174	0.1	t	0.3	0.1		RI, MS
27.	α-Terpineol	1182	1186	0.3	0.5	0.5	0.4		RI, MS
28.	Myrtenol	1190	1194	t	0.1	0.1	0.2		RI, MS
29.	*trans*-Carveol	1210	1215	–	t	t	t		RI, MS
30.	cis-Carveol	1224	1226	t	t	t	t		RI, MS
31.	Bornyl acetate	1279	1284	0.3	1.6	0.9	0.3	≤2.5	RI, MS
32.	Thymol	1284	1289	t	0.2	0.2	0.1		RI, MS
33.	Carvacrol	1300	1298	0.2	t	t	0.1		RI, MS
34.	α-Longipinene	1351	1350	t	0.9	t	0.2		RI, MS
35.	α-Copaene	1373	1374	t	t	t	t		RI, MS
36.	β-Elemene	1391	1389	t	t	t	t		RI, MS
37.	(E)-Caryophyllene	1421	1417	5.9	2.5	2.2	1.2		RI, MS, Std
38.	Aromadendrene	1441	1439	t	0.1	t	0.1		RI, MS
39.	α-Humulene	1452	1452	3.1	3.6	2.9	1.5	0.0–12.0	RI, MS
40.	allo-Aromadendrene	1464	1458	t	t	0.5	0.1		RI, MS
41.	γ-Gurjunene	1474	1475	t	–	–	–		RI, MS
42.	γ-Muurolene	1476	1478	t	0.1	t	0.1		RI, MS
43.	β-Selinene	1488	1489	t	t	t	0.1		RI, MS
44.	cis-β-Guaiene	1490	1492	–	–	t	–		RI, MS
45.	Viridiflorene	1494	1496	t	0.1	0.1	0.1		RI, MS
46.	α-Muurolene	1501	1500	t	t	t	t		RI, MS
47.	γ-Cadinene	1513	1513	t	t	t	t		RI, MS
48.	δ-Cadinene	1522	1522	t	t	t	0.1		RI, MS
49.	α-Cadinene	1539	1537	t	t	t	t		RI, MS
50.	α-Calacorene	1548	1544	t	t	t	0.1		RI, MS
51.	Caryophyllene oxide	1577	1582	0.2	0.3	0.3	1.5		RI, MS
52.	Viridiflorol	1595	1592	5.6	3.2	3.1	5.1		RI, MS, Std
53.	Humulene epoxide II	1613	1608	t	0.2	0.4	1.1		RI, MS
54.	*epi*-α-Muurolol	1639	1640	t	t	t	0.1		RI, MS
55.	α-Muurolol	1642	1644	t	t	t	0.1		RI, MS
56.	α-Cadinol	1650	1652	0.3	0.2	t	0.6		RI, MS
57.	β-Bisabolol	1674	1674	t	t	t	0.1		RI, MS
58.	(Z)-α-*trans*-Bergamotol	1692	1690	t	–	t	–		RI, MS
59.	Manoyl oxide	2003	2009	t	t	t	t		RI, MS
60.	Manool	2060	2056	5.0	5.0	3.6	3.9		RI, MS

Tabulka 2 Chemické složení silice Salvia lavandulifolia Vahl v rozdílných fenologických fázích (PORRES-MARTÍNEZ, GONZÁLEZ-BURGOS, CARRETERO a GÓMEZ-SERRANILLOS, 2014)

No.	Compounds (%)	Phenological stages			
		VS	Rt (min)	FF	Rt (min)
1	Sabinene	0.11	3.515	0.06	3.517
2	**α-Pinene**	**10.90**	4.876	**7.52**	4.860
3	**Camphene**	**6.87**	5.175	**6.27**	5.169
4	**β-Pinene**	**9.77**	5.791	**11.83**	5.800
5	**Myrcene**	**7.62**	6.014	**3.88**	5.985
6	3-Octanyl	0.20	6.657	0.19	6.657
7	Limonene	3.38	6.982	0.11	6.975
8	**1,8-Cineole**	**25.20**	7.238	**31.30**	7.245
9	γ-Terpinene	0.24	8.096	1.36	7.864
10	1-Octanol	0.20	8.764	0.20	8.764
11	Linalol	0.53	9.106	0.36	9.122
12	Linalol oxide	0.08	9.726	0.17	9.185
13	**Camphor**	**10.99**	10.936	**15.59**	1.098
14	Iso-borneol	0.19	11.117	0.24	11.172
15	Borneol	3.67	11.657	3.51	11.657
16	Terpineol	0.49	12.497	0.77	12.516
17	Lavandulol	0.20	12.716	0.16	12.722
18	Verbenone	0.15	13.92	0.09	13.917
19	Phenylacetate	0.12	14.452	0.07	14.454
20	Linalyl acetate	0.50	15.008	0,34	14.997
21	Carvone	0.10	15.670	0.06	15.672
22	Thymol	0.68	16.346	1.06	16.364
23	Bornyl acetate	0.12	19.006	0.10	18.990
24	Neryl acetate	0.05	20.730	0.06	20.437
25	Terpenyl acetate	1.78	22.033	3.00	22.067
26	Sabinyl acetate	1.06	23.431	2.49	23.482
27	α-Caryophyllene	0.18	24.600	0.06	24.541
28	Nerolidol	0.73	29.800	1.30	29.800
	Percentage of total (%)	**86.11**		**92.15**	
	Monoterpene hydrocarbons	38.89		31.03	
	Oxygenated monoterpenes	45.91		59.37	
	Sesquiterpene hydrocarbons	0.18		0.06	
	Oxygenated sesquiterpenes	0.73		1.30	
	Others	0.40		0.39	

Tabulka 3 Analýza silice plodu Salvia officinalis L. v závislosti na různých hladinách NaCl (BEN TAARIT, MSAADA, HOSNI, HAMMAMI, KCHOUK a MARZOUK (2009)

No.	Compounds*	*P* value	RI[a]	RI[b]	NaCl (mM)				
					0	25	50	75	100
1	α-Pinene	0.0000***	931	1035	3.03 ± 0.01[a]	0.65 ± 0.04[d]	1.74 ± 0.02[c]	2.36 ± 0.02[b]	0.78 ± 0.05[d]
2	α-Thujene	0.0000***	939	1032	tr	tr	0.15 ± 0.05	tr	tr
3	Sabinene	0.0000***	976	1132	0.11 ± 0.03	tr	tr	tr	tr
4	β-Pinene	0.0000***	980	1118	0.20 ± 0.06[c]	0.49 ± 0.01[b]	0.67 ± 0.03[a]	tr	tr
5	Myrcene	0.0000***	988	1176	0.1 ± 0.02[a]	tr	0.14 ± 0.02[a]	tr	tr
6	*p*-Cymene	0.0000***	1026	1280	0.18 ± 0.02	tr	tr	tr	tr
7	Limonene	0.0001***	1030	1203	0.1 ± 0.02[a]	tr	0.11 ± 0.02[a]	tr	tr
8	1,8-Cineole	0.4409[ns]	1033	1213	11.39 ± 0.03[c]	11.39 ± 0.04[c]	21.65 ± 0.04[b]	23.82 ± 0.02[a]	7.07 ± 0.04[d]
9	*trans*-Sabinene Hydrate	0.0000***	1053	1474	tr	tr	0.27 ± 0.02[a]	0.14 ± 0.02[b]	tr
10	γ-Terpinene	0.0000***	1062	1266	0.32 ± 0.01[a]	tr	0.17 ± 0.02[b]	tr	tr
11	*cis*-Sabinene Hydrate	0.0000***	1082	1556	0.57 ± 0.02[a]	tr	0.34 ± 0.03[b]	0.1 ± 0.01[c]	tr
12	Terpinolene	0.0000***	1088	1290	0.13 ± 0.02	tr	tr	tr	tr
13	α-Thujone	0.0000***	1089	1430	11.13 ± 0.04[d]	15.35 ± 0.05[c]	21.39 ± 0.04[b]	22.18 ± 0.10[a]	6.76 ± 0.05[e]
14	Linalool	0.0000***	1098	1553	2.69 ± 0.03[a]	0.1 ± 0.01[d]	0.86 ± 0.02[b]	0.36 ± 0.01[c]	tr
15	β-Thujone	0.0000***	1103	1451	3.40 ± 0.10[d]	4.56 ± 0.02[dc]	7.93 ± 0.02[a]	6.30 ± 0.10[b]	1.91 ± 0.05[e]
16	Camphor	0.0000***	1143	1532	5.48 ± 0.10[c]	3.38 ± 0.08[d]	8.18 ± 0.09[b]	9.14 ± 0.11[a]	1.76 ± 0.1[e]
17	Borneol	0.0000***	1165	1719	5.02 ± 0.02[b]	3.75 ± 0.02[c]	5.25 ± 0.03[b]	9.59 ± 0.02[a]	1.91 ± 0.03[d]
18	Terpinen-4-ol	0.0000***	1176	1611	0.42 ± 0.02	tr	tr	tr	tr
19	α-Terpineol	0.0000***	1189	1706	0.17 ± 0.02[c]	0.38 ± 0.02[b]	0.15 ± 0.02[c]	0.44 ± 0.01[a]	0.11 ± 0.01[c]
20	Myrtenol	0.0000***	1191	1804	tr	tr	tr	0.18 ± 0.01	tr
21	Nerol	0.0000***	1228	1797	tr	tr	0.16 ± 0.02[a]	0.12 ± 0.02[b]	tr
22	Linalyl acetate	0.0000***	1239	1565	0.17 ± 0.03[c]	0.29 ± 0.03[a]	tr	0.27 ± 0.02[b]	tr
23	Geraniol	0.0000***	1255	1857	0.65 ± 0.02[a]	tr	0.14 ± 0.02[b]	tr	tr
24	Bornyl acetate	0.0000***	1270	1590	0.28 ± 0.03[c]	2.56 ± 0.02[a]	tr	0.64 ± 0.02[b]	0.65 ± 0.02[b]
25	Thymol	0.0000***	1290	–	0.53 ± 0.02[a]	0.13 ± 0.02[a]	0.10 ± 0.02[a]	tr	tr
26	Carvacrol	0.0000***	1292	–	0.66 ± 0.03[a]	0.18 ± 0.02[b]	0.13 ± 0.03[c]	tr	tr
27	Eugenol	0.0000***	1356	–	1.01 ± 0.02[a]	0.2 ± 0.02[b]	0.23 ± 0.02[b]	tr	tr
28	α-Copaene	0.0000***	1379	1497	tr	tr	0.84 ± 0.02[b]	1.18 ± 0.02[a]	tr
29	β-Bourbonene	0.0000***	1386	1535	0.26 ± 0.02[a]	tr	tr	0.21 ± 0.04[b]	tr
30	Methyl eugenol	0.0000***	1402	2028	1.45 ± 0.10[a]	0.10 ± 0.09[c]	0.21 ± 0.02[b]	tr	tr
31	β-Caryophyllene	0.0000***	1418	1612	5.00 ± 0.05[a]	0.31 ± 0.02[d]	1.16 ± 0.02[c]	1.51 ± 0.02[b]	0.2 ± 0.01[d]
32	β-Cubebene	0.0000***	1419	1552	tr	0.30 ± 0.03[c]	0.21 ± 0.02[b]	1.31 ± 0.02[a]	0.22 ± 0.02[b]
33	Aromadendrene	0.0000***	1443	1628	0.13 ± 0.03	tr	tr	tr	tr
34	α-Humulene	0.0000***	1454	1687	0.96 ± 0.03[b]	2.13 ± 0.02[a]	1.05 ± 0.02[b]	0.42 ± 0.02[c]	0.5 ± 0.03[c]
35	Bicyclogermacrene	0.0000***	1494	1755	0.11 ± 0.03	tr	tr	tr	tr
36	β-Bisabolene	0.0000***	1503	1741	0.26 ± 0.02[a]	tr	0.27 ± 0.02[a]	tr	tr
37	Spathulenol	0.0000***	1572	–	0.54 ± 0.05[a]	0.18 ± 0.02[b]	0.14 ± 0.02[b]	tr	tr
38	Caryophyllene oxide	0.0000***	1580	2008	2.28 ± 0.02[a]	0.56 ± 0.02[c]	0.70 ± 0.04[b]	0.86 ± 0.02[b]	0.29 ± 0.02[d]
39	Viridiflorol	0.0000***	1592	2104	17.13 ± 0.10[b]	21.80 ± 0.10[a]	13.39 ± 0.20[c]	6.01 ± 0.10[d]	6.96 ± 0.09[d]
40	β-Eudesmol	0.0000***	1650	–	0.12 ± 0.02[b]	0.25 ± 0.02[a]	0.13 ± 0.02[b]	tr	tr
41	Manool	0.0000***	1967	–	4.26 ± 0.02[d]	14.09 ± 0.03[b]	4.66 ± 0.02[d]	11.62 ± 0.03[c]	56.71 ± 0.02[a]
Grouped compounds									
Monoterpene hydrocarbons		0.0000***	4.74 ± 0.21[a]		1.14 ± 0.05[d]	3.59 ± 0.21[b]	2.60 ± 0.05[c]	0.78 ± 0.05[e]	
Oxygenated monoterpenes		0.0000***	40.80 ± 0.35[d]		41.79 ± 0.34[c]	65.71 ± 0.12[b]	73.04 ± 0.13[a]	20.17 ± 0.14[e]	
Phenols		0.0000***	1.19 ± 0.05[a]		0.31 ± 0.04[b]	0.23 ± 0.05[c]	–	–	
Sesquiterpene hydrocarbons		0.0000***	6.72 ± 0.18[a]		2.74 ± 0.02[d]	3.53 ± 0.10[c]	4.63 ± 0.12[b]	0.92 ± 0.06[e]	
Oxygenated sesquiterpenes		0.0000***	20.07 ± 0.19[b]		22.79 ± 0.16[a]	14.36 ± 0.12[c]	6.87 ± 0.12[e]	7.26 ± 0.06[d]	
Diterpenes		0.0000***	4.26 ± 0.02[e]		14.09 ± 0.03[b]	4.66 ± 0.02[d]	11.62 ± 0.03[c]	56.71 ± 0.02[a]	
Non terpenics		0.0000***	2.46 ± 0.12[a]		0.30 ± 0.11[c]	0.44 ± 0.04[b]	–	–	
Essential oil yield % (w/w)		0.0000***	0.39 ± 0.01[c]		0.44 ± 0.01[b]	0.62 ± 0.02[a]	0.60 ± 0.02[a]	0.21 ± 0.03[d]	
Total identified			80.24 ± 0.12[e]		83.13 ± 0.7[d]	92.52 ± 0.42[b]	98.76 ± 0.38[a]	85.83 ± 0.23[c]	

Tabulka 4 Analýza silice z listů přízemní listové růžice *Salvia sclarea* L. v závislosti na hladině NaClm (BEN TAARIT, MSAADA, HOSNI a MARZOUK (2010)

Table 1 ANOVA analysis and essential oil composition (%, w/w) of *S. sclarea* rosette leaves as influenced by different NaCl concentrations

Compounds*	RI[a]	RI[b]	*P* value	Concentrations NaCl (mM)				Identification
				0	25	50	75	
Monoterpene hydrocarbons								
Tricyclene	927	1014	0.0000***	0.13 ± 0.02[a]	0.12 ± 0.04[a]	ND	ND	GC–MS
α-Pinene	931	1035	0.0000***	0.08 ± 0.01[c]	0.05 ± 0.02[c]	0.28 ± 0.08[b]	6.54 ± 0.05[a]	GC–MS
α-Thujene	939	1032	0.0000***	2.30 ± 0.08[d]	5.53 ± 0.02[c]	36.73 ± 0.01[a]	14.87 ± 0.05[b]	GC–MS
Camphene	950	1076	0.0000***	ND	ND	0.75 ± 0.02[a]	0.48 ± 0.01[b]	GC–MS
Sabinene	976	1132	0.0001***	ND	0.06 ± 0.03	ND	ND	GC–MS, Co-GC
β-Pinene	980	1118	0.0000***	ND	0.24 ± 0.02	ND	ND	GC–MS
δ-3-Carene	1009	1156	0.0000***	ND	0.44 ± 0.04	ND	ND	GC–MS
p-Cymene	1026	1280	0.0000***	ND	0.42 ± 0.01	ND	ND	GC–MS, Co-GC
Limonene	1030	1203	0.0000***	1.25 ± 0.02[c]	2.09 ± 0.03[b]	4.47 ± 0.01[a]	ND	GC–MS, Co-GC
(*E*)-β-Ocimene	1041	1266	0.0000***	ND	1.16 ± 0.02	ND	ND	GC–MS
γ-Terpinene	1062	1266	0.0000***	ND	0.23 ± 0.03	ND	ND	GC–MS
Terpinolene	1088	1290	0.0000***	ND	0.64 ± 0.05	ND	ND	GC–MS, Co-GC
allo-Ocimene	1113	1380	0.0000***	ND	0.83 ± 0.04	ND	ND	GC–MS
Total				3.76 ± 0.13[d]	11.81 ± 0.35[c]	42.23 ± 0.12[a]	21.89 ± 0.11[b]	
Monoterpene ketones								
α-Fenchone	1087	1406	0.0000***	0.48 ± 0.04[c]	0.38 ± 0.01[d]	0.85 ± 0.02[a]	0.44 ± 0.01[b]	GC–MS
α-Thujone	1089	1430	0.0000***	1.94 ± 0.03[c]	13.74 ± 0.07[a]	2.20 ± 0.05[b]	1.03 ± 0.01[d]	GC–MS
β-Thujone	1103	1451	0.0000***	2.58 ± 0.01[c]	0.39 ± 0.01[c]	0.30 ± 0.01[c]	1.24 ± 0.01[c]	GC–MS
Camphor	1143	1532	0.0000***	ND	0.44 ± 0.03[c]	4.70 ± 0.01[b]	8.49 ± 0.01[a]	GC–MS
Total				5.00 ± 0.01[d]	14.95 ± 0.01[a]	8.05 ± 0.01[c]	11.20 ± 0.01[b]	
Monoterpene alcohols								
Borneol	1165	1719	0.0000***	0.40 ± 0.01[b]	0.81 ± 0.01[c]	0.28 ± 0.01[d]	0.49 ± 0.01[a]	GC–MS, Co-GC
Terpinen-4-ol	1176	1611	0.0000***	ND	0.80 ± 0.02[a]	0.54 ± 0.05[b]	0.79 ± 0.08[a]	GC–MS, Co-GC
α-Terpineol	1189	1706	0.0000***	0.58 ± 0.01[d]	0.73 ± 0.03[a]	0.67 ± 0.02[b]	0.59 ± 0.01[c]	GC–MS, Co-GC
Linalool	1098	1553	0.0000***	0.86 ± 0.01[b]	1,01 ± 0.05[a]	tr	0.36 ± 0.02[c]	GC–MS, Co-GC
Total				1.84 ± 0.01[c]	3.35 ± 0.01[a]	1.49 ± 0.01[d]	2.23 ± 0.01[b]	
Phenols								
Thymol	1290	–	0.0000***	1.52 ± 0.06[a]	1.14 ± 0.05[b]	0.75 ± 0.08[c]	1.13 ± 0.02[b]	GC–MS, Co-GC
Carvacrol	1292	2239	0.0000***	tr	tr	ND	ND	GC–MS, Co-GC
Total				1.52 ± 0.06[a]	1.14 ± 0.05[b]	0.75 ± 0.08[c]	1.13 ± 0.02[b]	
Monoterpene esters								
Linalyl acetate	1239	1565	0.0000***	0.94 ± 0.04[a]	0.26 ± 0.06[b]	tr	0.11 ± 0.01[c]	GC–MS, Co-GC
Total				0.94 ± 0.04[a]	0.26 ± 0.06[b]	tr	0.11 ± 0.01[c]	
Sesquiterpene hydrocarbons								
Geijerene	1139	1338	0.0000***	3.32 ± 0.02	ND	ND	ND	GC–MS
α-Bourbonene	1380	1528	0.0000***	0.36 ± 0.01[c]	0.12 ± 0.01[c]	ND	ND	GC–MS
β-Bourbonene	1386	1535	0.0000***	ND	0.16 ± 0.06	ND	ND	GC–MS
β-Caryophyllene	1418	1612	0.0000***	6.50 ± 0.05[a]	5.55 ± 0.06[b]	2.23 ± 0.02[c]	1.59 ± 0.01[d]	GC–MS
β-Cubebene	1419	1552	0.0000***	ND	0.17 ± 0.01	ND	ND	GC–MS
Aromadendrene	1443	1628	0.0006***	0.47 ± 0.01[b]	0.32 ± 0.01[d]	0.65 ± 0.01[a]	0.40 ± 0.01[c]	GC–MS
allo-Aromadendrene	1462	1661	0.0000***	0.93 ± 0.01[a]	0.67 ± 0.01[b]	ND	0.65 ± 0.01[b]	GC–MS
Germacrene-D	1480	1726	0.0000***	28.00 ± 0.04[a]	6.19 ± 0.08[b]	2.09 ± 0.01[c]	3.13 ± 0.03[c]	GC–MS
Bicyclogermacrene	1494	1755	0.0000***	2.27 ± 0.01[a]	1.47 ± 0.01[b]	tr	0.32 ± 0.01[c]	GC–MS
β-Bisabolene	1503	1741	0.0000***	ND	0.50 ± 0.01[b]	tr	0.64 ± 0.01[a]	GC–MS
δ-Cadinene	1511	1760	0.0000***	2.38 ± 0.08[a]	1.02 ± 0.01[b]	tr	0.78 ± 0.05[c]	GC–MS
γ-Cadinene	1525	1773	0.0000***	0.48 ± 0.01[c]	1.51 ± 0.05[b]	tr	2.08 ± 0.01[a]	GC–MS

Tabulka 5 – Oovlivnění složek silice *Salvia officinalis* L. režimem závlahy a hnojení stannoviště. (GOVAHI, GHALAVAND, NADJAFI a SOROOSHZADEH, 2015)

Treatment	Dry matter (t ha^{-1})	Essential oil content (%)	Essential oil yield (l ha^{-1})
Irrigation[a]	***	***	***
I_1	2.702 ± 0.15^{a}	0.89 ± 0.04^{c}	24.91 ± 2.16^{b}
I_2	1.882 ± 0.14^{b}	1.86 ± 0.10^{a}	37.30 ± 3.83^{a}
I_3	0.987 ± 0.10^{c}	1.64 ± 0.10^{b}	17.73 ± 2.28^{c}
Fertilizer[b]	***	***	***
F_1	1.388 ± 0.18^{e}	1.23 ± 0.10^{e}	16.67 ± 2.55^{d}
F_2	1.865 ± 0.23^{c}	1.41 ± 0.13^{d}	24.94 ± 3.67^{c}
F_3	1.996 ± 0.21^{b}	1.55 ± 0.14^{b}	29.97 ± 4.06^{b}
F_4	1.73 ± 0.22^{d}	1.46 ± 0.14^{c}	24.83 ± 3.78^{c}
F_5	2.302 ± 0.22^{a}	1.66 ± 0.15^{a}	36.82 ± 4.74^{a}
Irrigation × fertilizer	***	***	***
$I_1 F_1$	2.014 ± 0.29^{fg}	0.78 ± 0.10^{l}	16.31 ± 3.49^{h}
$I_1 F_2$	2.956 ± 0.31^{b}	0.88 ± 0.10^{k}	26.53 ± 4.54^{e}
$I_1 F_3$	2.796 ± 0.35^{c}	0.93 ± 0.10^{j}	26.63 ± 5.17^{e}
$I_1 F_4$	2.540 ± 0.36^{d}	0.88 ± 0.10^{k}	22.97 ± 4.60^{fg}
$I_1 F_5$	3.201 ± 0.33^{a}	0.99 ± 0.11^{i}	32.13 ± 5.56^{d}
$I_2 F_1$	1.463 ± 0.28^{j}	1.53 ± 0.16^{g}	23.51 ± 5.50^{f}
$I_2 F_2$	1.811 ± 0.32^{h}	1.81 ± 0.22^{d}	34.66 ± 8.16^{c}
$I_2 F_3$	2.023 ± 0.30^{f}	1.96 ± 0.24^{b}	41.32 ± 8.78^{b}
$I_2 F_4$	1.780 ± 0.30^{hi}	1.87 ± 0.24^{c}	35.44 ± 8.20^{c}
$I_2 F_5$	2.334 ± 0.31^{e}	2.12 ± 0.26^{a}	51.55 ± 10.45^{a}
$I_3 F_1$	0.688 ± 0.18^{n}	1.38 ± 0.17^{h}	10.18 ± 3.11^{j}
$I_3 F_2$	0.827 ± 0.21^{m}	1.54 ± 0.20^{g}	13.62 ± 4.04^{i}
$I_3 F_3$	1.168 ± 0.22^{l}	1.75 ± 0.24^{e}	21.95 ± 5.60^{g}
$I_3 F_4$	0.883 ± 0.24^{m}	1.64 ± 0.22^{f}	16.10 ± 5.21^{h}
$I_3 F_5$	1.369 ± 0.21^{k}	1.88 ± 0.26^{c}	$26.78 \pm .6.05^{e}$
Harvest time	***	***	***
September 12	1.424 ± 0.12^{b}	0.75 ± 0.03^{c}	9.87 ± 0.79^{c}
May 13	1.183 ± 0.09^{c}	1.90 ± 0.09^{a}	20.77 ± 1.50^{b}
September 13	2.964 ± 0.14^{a}	1.74 ± 0.08^{b}	49.30 ± 2.71^{a}

Tabulka 6: Chemické složení silice Salvia brachyodon Vandas a Salvia officinalis L., různé lokality sběru. (MAKSIMOVIĆ, VIDIC, MILOŠ, EDITA ŠOLIĆ, ABADŽIĆ a SILJAK-YAKOVLEV, 2007)

Compound	RI	*S. brachyodon*				*S. officinalis*	
		Pelješac	Orjen[a]	Orjen[b] A	Orjen[b] B	Pelješac	Herzegovina
		RA%	RA%	RA%	RA%	RA%	RA%
1,8-Cineole	1190	1.6	**36.9**	**23.0**	**17.2**	0.9	**10.6**
***cis*-Thujone**	1415	–	–	t	t	**57.0**	**21.0**
***trans*-Thujone**	1426	–	–	t	t	**15.0**	–
Dehydro sabina ketone	1434	–	–	–	–	0.3	–
α-Cubebene	1438	t	0.1	t	1.3	–	–
α-Copaene	1466	t	0.4	0.6	1.5	–	–
Camphor	1475	4.0	4.8	**8.0**	3.4	3.3	**29.1**
trans-Pinocamphone	1482	t	–	–	–	–	–
Linalool acetate	1501	–	–	–	–	0.4	–
cis-Pinocamphone	1511	t	–	–	–	–	–
Bornyl acetate	1549	t	3.7	**9.8**	**10.5**	0.1	3.1
Terpinen-4-ol	1552	2.1	0.6	0.9	t	–	–
trans-Caryophyllene	1558	–	0.1	t	1.4	0.3	0.5
Aromadendrene	1561	–	0.3	t	1.7	0.1	0.7
Myrtenal	1576	**6.2**	–	–	–	–	–
Allo-aromadendrene	1606	**7.2**	1.6	2.7	1.7	t	
α-Humulene	1632	**7.4**	0.7	3.2	**10.8**	4.8	3.1
Borneol	1651	**7.8**	4.5	**7.0**	**6.2**	1.0	**5.1**
Viridiflorene	1656	–	–	–	–	0.2	0.7
β-Bisabolene	1678	0.9	–	t	t	–	–
Germacrene D	1693	t	–	t	t	–	–
Δ-Cadinene	1705	–	–	–	–	0.1	–
ar-Curcumene	1730	**5.9**	0.5	–	–	–	–
Myrtenol	1734	**5.2**	0.5	t	t	–	0.7
cis-Calamenene	1775	1.8	0.7	1.6	3.4	–	–
Thymol acetate	1783	0.4	–	–	–	–	–
Dihydrosesquicineole	1794	0.8	–	–	–	–	–
8,14-Cedrane oxide	1858	0.8	–	–	–	0.3	–
δ-Jasmolactone	1893	0.4	–	–	–	–	–
Caryophyllene oxide	1922	1.6	0.7	–	–	–	–
Humulene epoxide I	1953	2.8	–	–	–	–	–
Humulene epoxide II	1981	**22.9**	–	**7.0**	**6.4**	0.6	–
1-*epi*-Cubenol	1997	1.6	0.3	1.3	1.2	–	–
14-Hydroxy-β-caryophyllene	2006	0.8	–	–	–	–	–
Viridiflorol	2039	–	–	t	–	**14.2**	**6.0**
Spathulenol	2052	1.8	1.9	3.1	4.7	–	–
β-Bisabolol	2090	3.9	–	0.7	t	–	–
Thymol	2105	0.7	t	–	–	0.2	–
Carvacrol	2112	1.3	t	t	–	0.8	–
Cadalene	2146	1.1	0.3	0.6	1.3	–	–
α-Bisabolol	2149	1.5	–	–	–	–	–
β-Eudesmol	2157	1.1	–	1.1	0.7	–	–
14-Hydroxy-α-humulene	2235	3.9	–	–	–	–	–
(*Z*)-Lanceol	2259	–				0.2	–
Total identified		**97.5**				**99.8**	

Constituents in bold (>5.0); t, Traces (<0.1); – not detected; RI, Retention index on HP-20 M column; RA, relative area.

[a] Data from Savikin-Fedulovic et al. (2002).

[b] Data from Tzakou et al. (2003).

[c] Data from Marić et al. (2006).

Tabulka 7 Obsahové látky silice v jednotlivých vzorcích šalvějí (RAJABI, EBRAHIMI, FARAJPOUR, MIRZA a RAMSHINI 2014)

Component	RI[b]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
α-Thujene	933	–	–	–	0.19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
α-Pinene	940	0.07	–	0.06	0.11	–	0.07	–	–	0.35	0.1	0.35	4.59	0.11	1.03	0.47	–	–	0.5	0.08	–	–	17.14
Camphene	954	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.95
Sabinene	976	0.11	–	–	0.48	–	0.08	–	–	–	0.04	0.07	–	0.11	0.57	–	–	–	0.17	–	–	–	4.53
β-Pinene	981	0.2	–	0.6	0.49	–	0.16	–	–	–	0.2	0.38	–	0.31	2.67	0.16	–	–	0.67	0.09	–	0.7	19.59
Myrcene	993	0.09	–	0.05	0.14	0.43	0.36	1.41	0.97	0.61	0.08	0.19	1.33	0.16	0.64	0.72	0.82	0.2	0.37	–	–	–	0.46
α-Terpinene	1020	0.03	–	–	0.14	–	–	–	–	–	–	–	–	–	–	–	0.21	–	–	–	–	–	–
ρ-Cymene	1027	0.06	–	0.06	0.37	–	–	–	–	–	0.07	–	0.93	0.18	0.63	0.08	–	–	–	0.31	–	1.87	0.74
Limonene	1032	0.14	–	0.1	0.21	0.28	0.56	0.53	0.32	–	0.13	0.32	1.83	1	2.91	0.31	0.69	–	0.47	0.07	–	0.53	2.05
1,8-Cineole	1035	–	–	–	–	–	–	–	–	–	0.1	–	5.33	0.94	2.48	0.33	0.14	–	0.36	–	–	1.85	9.25
Z-β-Ocimene	1041	0.04	–	–	–	–	0.15	0.63	0.35	–	–	–	–	–	0.47	–	0.3	–	0.71	–	–	–	–
e-β-Ocimene	1053	0.07	–	–	0.1	–	0.33	1.02	0.54	–	–	–	–	–	0.34	–	0.49	–	1.78	–	–	–	–
γ-Terpinene	1063	0.07	–	–	0.48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Terpinolene	1089	0.23	–	–	0.16	–	0.1	0.33	–	–	–	–	–	–	–	–	–	–	2.08	–	–	–	–
Linalool	1100	**8.11**	**5**	**2.27**	**2.66**	**13.3**	**12.2**	**15.5**	**21.4**	**16.1**	**19.7**	**27.6**	**27.8**	**0.26**	**1.28**	**0.52**	**46.2**	**12.7**	**51.6**	**0.6**	**2.5**	**4.71**	**0.6**
trans-Pinocarveol	1142	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.21
Camphor	1145	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pinocarvone	1165	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.73
Borneol	1168	–	–	–	–	–	–	–	–	–	–	–	2.36	0.12	0.62	–	–	–	–	–	–	–	–
Terpinene-4-ol	1179	–	–	–	1.38	–	–	–	–	–	–	–	–	0.09	0.64	–	–	–	–	–	–	0.63	0.39
p-Cymen-8-ol	1184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.1
α-Terpeneol	1190	0.52	–	0.21	0.64	3.56	–	4.02	5.58	–	0.67	–	2.7	0.12	0.47	–	1.77	–	1.47	0.07	–	2.53	0.75
Myrtenal	1195	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.83
Myrtenol	1193	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.94
Verbenole	1196	–	–	–	–	–	–	–	–	–	–	–	7.33	–	–	–	–	–	–	–	–	–	0.66
Nerol	1230	–	–	–	–	0.33	–	0.79	1.05	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Linalol acetate	1238	**0.55**	**2**	**0.91**	**2.8**	**52.6**	**13.1**	**42.9**	**38.7**	**–**	**2.14**	**0.45**	**3.92**	**0.5**	**1.5**	**2.23**	**–**	**1.79**	**0.51**	**0.54**	**5.2**	**5**	**0.9**
Bornyl acetate	1285	–	1	–	–	–	–	–	–	–	–	–	7.76	2.31	–	1.01	–	–	–	0.19	–	–	12.45
delta-Elemene	1341	0.34	–	0.23	–	–	0.38	–	–	–	1.44	–	–	–	–	–	0.27	–	0.33	–	–	–	–
α-Cubebene	1353	–	–	0.47	–	–	1.57	–	–	–	–	0.52	–	–	–	–	–	0.25	0.39	0.78	–	–	–
Neryl acetate	1367	–	–	–	–	1.64	0.69	2.02	2.28	–	–	–	–	–	–	–	–	–	–	–	–	–	–
α-Copaene	1376	0.32	1	0.32	–	3.56	1.9	2.4	2.2	–	1.03	9.08	–	0.51	0.66	0.46	–	1.66	–	24.3	1.41	3.18	–
Geranyl acetate	1383	–	–	–	–	–	2.08	–	–	–	–	0.7	–	–	–	–	–	–	–	–	–	–	–
β-Bourbonene	1384	–	–	0.65	–	3.39	–	4.1	4.81	–	–	6.01	–	0.7	0.73	0.58	–	–	–	1.59	1.74	1.19	–
β-Elemene	1392	1.75	–	1.03	–	–	0.78	–	–	1.67	4.14	1.66	–	–	–	–	1.44	–	1.64	9.37	–	–	–
β-Cubebene	1393	–	–	–	–	1.43	–	0.57	0.92	–	–	3.76	–	–	–	–	–	–	–	–	–	–	–
α-Gurjunene	1410	–	–	–	1.09	–	–	–	–	–	–	–	–	–	5.66	1.28	–	–	–	–	–	–	–
α-cedren	1410	–	–	–	–	–	–	–	–	–	–	–	–	0.92	–	–	–	–	–	–	–	–	–
E-Caryophyllene	1420	**18.78**	**36**	**32**	**60.6**	**3.08**	**21.3**	**4.53**	**4.19**	**10.3**	**16.3**	**14.4**	**6.28**	**41**	**24**	**17**	**5.58**	**14.7**	**9**	**18.9**	**30**	**9.67**	**2.28**
β-Copaene	1435	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.47	–	–	–
α-Guaiene	1440	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.25	–	–	–	–	–
Aromadendrene	1441	1.81	1	2.09	–	–	–	–	–	2.3	3.29	–	–	–	–	2.4	0.82	–	–	–	–	–	–
α-Humulene	1455	1.28	2	1.66	3.66	0.2	0.07	0.28	0.25	0.97	–	1.42	–	14	8.14	5.42	–	0.84	–	3.64	–	0.8	–
e-β-Farnesene	1460	0.95	–	1.3	–	–	–	–	–	–	–	–	–	–	0.76	–	–	–	–	–	8.6	–	–
allo-Aromadendrene	1463	–	–	–	0.51	–	–	–	–	–	–	–	–	–	1.53	4.26	–	–	–	–	–	–	–
γ-Gurjunene	1476	–	–	–	–	–	2.49	–	–	–	–	–	–	–	–	–	–	–	1.37	–	6.54	–	–
γ-Muurolene	1479	–	–	1.72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.37	–
γ-Curcumene	1480	2.31	–	–	–	–	–	–	–	1.8	–	–	–	–	–	–	0.3	1.78	–	–	–	–	–
Germacrene D	1482	**5.54**	–	**6.29**	–	–	**17.7**	**11**	**9.62**	**1.8**	**10.5**	**8.14**	–	**13**	**6.38**	**3.47**	**1.43**	**2.38**	**3.96**	**25.2**	**4.1**	–	–
ar-Curcumene	1483	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.49	–	–	–	–	–	–
β-Selinene	1487	1.8	–	1.61	–	–	–	–	–	2.38	–	–	–	–	–	–	2.6	–	–	–	–	–	–
cis-β-Guaiene	1491	2.72	2	1.63	–	–	2	–	–	8.55	3.22	1.42	2.37	–	–	–	2.14	3.96	1.77	–	3.9	0.62	–
α-Selinene	1495	–	–	–	0.35	–	–	–	–	–	–	–	–	–	–	–	1.21	–	–	–	–	–	–
Bicyclogermacrene	1496	7.65	–	–	–	0.54	3.83	3.47	1.9	–	1.65	–	–	13	1.73	21	–	–	5.78	0.79	–	–	–
Germacrene A	1505	2.03	–	2.52	–	–	5.77	–	–	1.63	2.74	2.86	–	–	–	–	1.46	–	2	1.17	–	–	–