

**Table S5.** Chemical composition of the VCs obtained by hydro-distillation from the aerial parts of *Veronica* taxa collected on moderate habitats.

			<i>V. acinifolia</i>	<i>V. arvensis</i>	<i>V. chamaedrys</i>	<i>V. hederifolia</i>	<i>V. montana</i>	<i>V. officinalis</i>
Component	RI <sup>a</sup>	RI <sup>b</sup>	VC±SD	VC±SD	VC±SD	VC±SD	VC±SD	VC±SD
<b>Monoterpene hydrocarbons</b>			-	-	-	<b>4.86</b>	-	-
$\alpha$ -Thujene	924	1012	-	-	-	4.86±0.01	-	-
<b>Oxygenated monoterpenes</b>			<b>0.75</b>	<b>1.2</b>	<b>3.26</b>	<b>0.98</b>	-	-
Terpinen-4-ol	1174	1686	0.75±0.1	-	1.49±0.01	-	-	-
$\alpha$ -Terpineol	1184	1660	-	-	0.92±0.01	0.98±0.15	-	-
<i>trans-p</i> -Mentha-1(7),8-dien-2-ol	1187	1803	-	0.52±0.01	0.85±0.01	-	-	-
Hexyl 2-methyl butanoate	1233	1425	-	0.68±0.05	-	-	-	-
<b>Sesquiterpene hydrocarbons</b>			<b>6.73</b>	<b>12.44</b>	<b>5.58</b>	<b>9.19</b>	<b>0.7</b>	<b>3.77</b>
<i>E</i> -Caryophyllene*	1424	1585	4.46±0.01	6.21±0.01	2.43 ±0.01	4.11±0.01	0.13±0.01	3.12±0.01
<i>allo</i> -Aromadendrene	1465	1662	0.89±0.05	0.85±0.01	0.82±0.01	2.26±0.01	0.57±0.01	0.65±0.01
$\beta$ -Chamigrene	1478	1724	-	0.77±0.03	-	-	-	-
Germacrene D	1481	1692	0.43±0.01	1.25±0.03	1.02±0.01	1.47±0.03	-	-
$\delta$ -Selinene	1492	1756	0.95±0.01	2.01±0.01	1.31±0.15	1.35±0.04	-	-
$\delta$ -Cadinene	1517	1745	-	1.35±0.01	-	-	-	-
<b>Oxygenated sesquiterpenes</b>			<b>28.92</b>	<b>40.44</b>	<b>18.54</b>	<b>37.18</b>	<b>14.14</b>	<b>12.93</b>
Spathulenol	1577	2101	0.95±0.01	-	-	0.58±0.01	-	-
Caryophyllene oxide*	1581	1955	7.71±0.01	14.11±0.01	6.25±0.01	4.59±0.01	7.28±0.01	4.65±0.01
Viridiflorol	1592	2099	-	-	0.91±0.03	-	-	-
$\gamma$ -Eudesmol	1632	2175	-	19.98±0.01	0.56±0.01	3.16±0.01	-	0.88±0.01
$\alpha$ -Muurolol	1645	2181	-	-	-	-	-	2.38±0.01

$\alpha$ -Cadinol	1655	2208	-	-	-	-	-	0.72±0.01
$\alpha$ -Bisabolol	1685	2210	2.12±0.01	-	-	-	-	0.38±0.01
$\alpha$ -Bisabolol oxide	1748	2511	2.77±0.01	-	-	-	-	0.69±0.01
Hexahydrofarnesyl acetone*	1839	2113	15.37±0.01	6.35±0.01	10.82±0.01	28.85±0.01	6.86±0.01	3.25±0.02
<b>Oxygenated diterpene</b>			<b>15.63</b>	<b>7.54</b>	<b>31.66</b>	<b>18.53</b>	<b>32.61</b>	<b>6.72</b>
Phytol*	1942	2610	15.63±0.01	7.54±0.01	31.66±0.01	18.53±0.01	32.61±0.01	6.72±0.01
<b>Phenolic compounds</b>			<b>6.9</b>	<b>6.99</b>	<b>4.16</b>	<b>3.25</b>	<b>-</b>	<b>-</b>
Thymol*	1289	2154	-	-	-	0.56±0.1	-	-
<i>p</i> -Vinyl guaicol	1313	2156	2.41±0.01	3.11±0.01	2.64±0.01	2.22±0.01	-	-
Thymol acetate	1349	-	2.38±0.01	-	-	-	-	-
Methyl eugenol	1403	2005	2.11±0.01	2.16±0.02	1.52±0.01	0.47±0.1	-	-
( <i>Z</i> )-Methyl isoeugenol	1451	2070	-	1.72±0.01	-	-	-	-
<b>Acids, alcohols and esters</b>			<b>35.73</b>	<b>19.44</b>	<b>24.44</b>	<b>18.84</b>	<b>16.6</b>	<b>31.97</b>
Isopentyl acetate	863	1127	-	-	0.56±0.01	-	-	-
Benzaldehyde	952	1508	0.32±0.13	-	1.32±0.01	3.24±0.01	1.84±0.01	-
2-Pentyl furan	984	1230	-	4.52±0.01	-	-	-	-
Benzene acetaldehyde	1036	1633	3.97±0.01	2.69±0.01	7.28±0.01	-	3.34±0.01	-
<i>n</i> -Nonanal	1100	1389	2.18±0.01	2.91±0.01	1.81±0.1	2.71±0.01	-	-
Hexyl 2-methyl butanoate	1233	1425	2.45±0.01	-	-	-	-	-
<i>n</i> -Decanol	1266	1711	1.88±0.01	0.85±0.01	-	-	-	-
2,4-Decadienal	1304	1764	1.45±0.01	-	-	-	-	-
( <i>E</i> )- $\beta$ -Damascenone	1384	1819	3.12±0.01	2.61±0.01	1.22±0.07	2.57±0.01	-	0.42±0.03
$\beta$ -Ionone	1487	1935	17.01±0.01	2.69±0.01	4.41±0.01	3.07±0.01	2.18±0.01	18.11±0.01

Benzyl benzoate	1760	2613	-	-	2.11±0.01	-	-	-
Hexadecanoic acid*	1959	2912	3.35±0.01	3.17±0.01	5.73±0.01	7.25±0.01	9.24±0.01	13.21±0.01
Oleic acid	2133	2998	-	-	-	-	-	0.23±0.07
Octadecanol acetate	2209	-	-	-	-	-	-	1.11±0.01
<b>Hydrocarbons</b>			<b>0.22</b>	<b>4.45</b>	<b>6.75</b>	<b>3.45</b>	<b>32.9</b>	<b>38.49</b>
Eicosane*	2000	2000	-	-	-	-	0.31±0.01	-
Heneicosane*	2100	2100	-	0.88±0.01	0.21±0.1	.	0.42±0.07	0.34±0.05
Docosane*	2200	2200	0.22±0.01	1.32±0.01	3.14±0.01	0.81±0.02	3.34±0.02	2.15±0.01
Tricosane*	2300	2300	-	0.65±0.01	0.32±0.03	0.46±0.01	0.53±0.01	0.65±0.07
Tetracosane*	2400	2400	-	0.89±0.01	2.83±0.01	0.77±0.01	0.45±0.01	0.92±0.01
Pentacosane*	2500	2500	-	0.71±0.01	0.56±0.01	0.21±0.03	10.47±0.01	11.89±0.01
Hexacosane*	2600	2600	-	-	0.22±0.05	0.88±0.15	12.45±0.01	1.52±0.01
Heptacosane*	2700	2700	-	-	2.30±0.01	0.32±0.05	3.82±0.01	20.67±0.01
Octacosane*	2800	2800	-	-	-	-	1.11±0.01	0.35±0.04
<b>Total identification (%)</b>			<b>94.88</b>	<b>92.5</b>	<b>94.39</b>	<b>96.28</b>	<b>96.95</b>	<b>93.88</b>

**Table 5.** Continue

			<i>V. opaca</i>	<i>V. persica</i>	<i>V. polita</i>	<i>V. serpyllifolia</i>	<i>V. urticifolia</i>
Component	RI <sup>a</sup>	RI <sup>b</sup>	VC±SD	VC±SD	VC±SD	VC±SD	VC±SD
<b>Oxygenated monoterpenes</b>			<b>0.63</b>	-	-	<b>0.68</b>	-
Linalool	1095	1506	0.42±0.01	-	-	-	-
Terpinen-4-ol	1174	1686	0.21±0.04	-	-	-	-
α-Terpineol	1184	1660	-	-	-	0.68±0.01	-

<b>Sesquiterpene hydrocarbons</b>			<b>11.56</b>	<b>17.68</b>	<b>10.36</b>	<b>4.91</b>	<b>0.6</b>
$\alpha$ -Copaene	1377	1484	-	-	-	-	-
<i>E</i> -Caryophyllene*	1424	1585	11.23±0.01	9.29±0.01	6.57 ±0.01	2.11±0.01	0.43±0.01
<i>allo</i> -Aromadendrene	1465	1662	-	2.81±0.01	0.42±0.01	0.28±0.01	0.17±0.04
$\beta$ -Chamigrene	1478	1724	-	2.02±0.01	-	-	-
Germacrene D	1481	1692	0.33±0.01	0.75±0.01	1.06±0.03	0.67±0.01	-
$\delta$ -Selinene	1492	1756	-	2.81±0.01	2.31±0.04	1.85±0.02	-
<b>Oxygenated sesquiterpenes</b>			<b>35.86</b>	<b>26.34</b>	<b>20.18</b>	<b>13.2</b>	<b>7.34</b>
Spathulenol	1577	2101	-	-	-	0.88±0.01	-
Caryophyllene oxide*	1581	1955	11.75±0.01	10.11±0.01	7.55±0.01	4.19±0.01	0.38±0.01
Viridiflorol	1592	2099	-	-	0.87±0.08	-	-
$\gamma$ -Eudesmol	1632	2175	4.62±0.01	0.72±0.01	0.29±0.01	0.21±0.01	-
$\alpha$ -Muurolol	1645	2181	1.73±0.01	1.71±0.01	-	-	-
$\alpha$ -Cadinol	1655	2208	1.06±0.01	-	-	-	-
$\alpha$ -Bisabolol	1685	2210	4.02±0.01	1.23±0.01	0.71±0.01	-	-
$\alpha$ -Bisabolol oxide	1748	2511	1.21±0.01	2.26±0.01	0.48±0.01	-	-
Hexahydrofarnesyl acetone*	1839	2113	11.47±0.01	10.31±0.01	10.28±0.01	7.92±0.01	6.96±0.01
<b>Oxygenated diterpene</b>			<b>6.68</b>	<b>20.21</b>	<b>31.18</b>	<b>39.79</b>	<b>47.55</b>
Phytol*	1942	2610	6.68±0.01	20.21±0.01	31.18±0.01	39.79±0.01	47.55±0.01
<b>Phenolic compounds</b>			<b>0.75</b>	<b>5.33</b>	<b>2.61</b>	<b>2.09</b>	<b>-</b>
<i>p</i> -Vinyl guaicol	1313	2156	0.75±0.01	3.14±0.01	2.26±0.01	0.52±0.01	-
Methyl eugenol	1403	2005	-	1.42±0.01	0.35±0.01	1.57±0.04	-
( <i>Z</i> )-Methyl isoeugenol	1451	2070	-	0.77±0.01	-	-	-

Acids, alcohols and esters			13.04	20.2	18.21	28.54	15.83
Benzaldehyde	952	1508	0.29±0.02	0.75±0.01	5.47±0.01	0.29±0.01	-
Benzene acetaldehyde	1036	1633	0.45±0.01	1.65±0.01	1.45±0.01	3.92±0.01	0.74±0.01
<i>n</i> -Nonanal	1100	1389	0.21±0.01	0.76±0.01	0.51±0.1	2.78±0.01	1.15±0.01
<i>n</i> -Decanol	1266	1711	-	1.08±0.01	0.43±0.01	0.96±0.01	-
2,4-Decadienal	1304	1764	-	0.44±0.07	-	-	-
( <i>E</i> )- $\beta$ -Damascenone	1384	1819	-	2.57±0.01	0.32±0.04	0.77±0.01	2.14±0.01
$\beta$ -Ionone	1487	1935	7.51±0.01	5.60±0.01	3.28±0.01	7.54±0.01	0.56±0.01
1-Hexadecanol	1874	2371	-	-	-	-	-
Hexadecanoic acid*	1959	2912	4.58±0.01	7.35±0.01	6.75±0.01	12.28±0.01	11.24±0.01
Hydrocarbons			28.91	4.38	10.64	7.79	21.43
Eicosane*	2000	2000	0.66±0.05	-	0.42±0.05	-	0.39±0.08
Heneicosane*	2100	2100	0.79±0.01	0.37±0.01	0.21±0.03	.	0.49±0.01
Docosane*	2200	2200	7.45±0.01	3.10±0.01	3.87±0.01	2.01±0.01	3.33±0.01
Tricosane*	2300	2300	1.71±0.01	0.25±0.01	0.37±0.02	0.48±0.04	1.21±0.01
Tetracosane*	2400	2400	2.11±0.01	-	0.81±0.01	0.77±0.01	0.25±0.01
Pentacosane*	2500	2500	4.14±0.01	-	0.36±0.01	0.98±0.01	0.48±0.01
Hexacosane*	2600	2600	0.34±0.01	-	4.27±0.05	3.13±0.01	0.32±0.05
Heptacosane*	2700	2700	11.71±0.01	0.21±0.01	0.33±0.01	0.42±0.03	13.82±0.01
Octacosane*	2800	2800	-	0.45±0.01	-	-	2.14±0.01
Total identification (%)			97.43	94.14	93.18	97	93.15

Retention indices (RIs) were determined relative to a series of *n*-alkanes (C8–C40) on capillary columns VF5-ms (RI<sup>a</sup>) and CPWax 52 (RI<sup>b</sup>); Identification method: RI, comparison of RIs with those in a self-generated library reported in the literature [41] and/or with authentic samples; comparison of mass spectra with those in the NIST02 and Wiley 9 mass spectral libraries; \*co-injection with reference compounds; -, not identified; SD, standard deviation of triplicate analysis.