Date : 2024-07-15

Certificate of Analysis - GC Profiling

Sample Identification

Internal code : 24F28-PTH02
Customer Identification : Davana - India - D80106R
Type : Essential Oil
Source : *Artemisia pallens*
Customer : Plant Therapy

Checked an approved by:

Alexis St-Gelais, Ph. D., Chimiste 2013-174

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia. This report is digitally signed, it is only considered valid if the digital signature is intact. The results only describe the samples that were submitted to the assays.

Méthode certifiée ISO 17025:2017 Certified method

Laboratoire PhytoChemia

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Gas Chromatographic Analysis

Method : PC-MAT-014 - Analysis of the composition of an essential oil or other volatile liquide by FAST GC-FID
ISO
Results : See analysis summary (next page)
Analyst : Alexis St-Gelais, Ph. D., Chimiste 2013-174
Date : 2024-07-09

Physicochemical data

Refractive index : 1.4908 ± 0.0003 (20 °C)
Method : PC-MAT-016 - Measure of the refractive index of a liquid.
Analyst : Cindy Caron B. Sc.
Date : 2024-06-28

Conclusion

No adulterant, contaminant or diluent has been detected using this method.

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Analysis Summary - Consolidated Contents

New readers of similar reports are encouraged to read table footnotes at least once.

Identification	%	Class
2-Methylbutyral	tr	Aliphatic aldehyde
Unknown	0.01	Unknown
Ethyl 2-methylbutyrate	0.15	Aliphatic ester
Ethyl isovalerate	0.10	Aliphatic ester
Propyl isobutyrate	0.01	Aliphatic ester
Nonene	tr	Alkene
(*cis*?)-5-Ethyl-2-methyl-2-vinyltetrahydrofuran	tr	Furan
(*trans*?)-5-Ethyl-2-methyl-2-vinyltetrahydrofuran	0.08	Furan
(*trans*?)-2,5-Divinyl-2-methyltetrahydrofuran	0.06	Furan
α-Pinene	0.02	Monoterpene
Unknown	0.38	Furan
5,5-Dimethyl-2(5H)-furanone	0.12	Aliphatic lactone
Propyl 2-methylbutyrate	0.22	Aliphatic ester
Propyl isovalerate	0.16	Aliphatic ester
Benzaldehyde	0.02	Simple phenolic
Sabinene	0.01	Monoterpene
β-Pinene	0.02	Monoterpene
6-Methyl-5-hepten-2-one	0.01	Aliphatic ketone
trans-Dehydroxylinalool oxide	0.02	Monoterpenic ether
Myrcene	0.01	Monoterpene
2-Pentylfuran	0.02	Furan
Unknown	0.01	Furan
Octanal	0.01	Aliphatic aldehyde
cis-Dehydroxylinalool oxide	0.02	Monoterpenic ether
Unknown	0.14	Furan
Isobutyl 2-methylbutyrate	0.02	Aliphatic ester
Isobutyl isovalerate	0.02	Aliphatic ester
α-Terpinene	0.05	Monoterpene
Unknown	0.23	Furan
para-Cymene	0.19	Monoterpene
Limonene	0.02	Monoterpene
1,8-Cineole	0.04	Monoterpenic ether
Lavender lactone	0.06	Aliphatic lactone
cis-Arbusculone	0.04	Furan
(*E*)-β-Ocimene	0.02	Monoterpene
γ-Terpinene	0.11	Monoterpene
cis-Arbusculol	0.02	Furan
cis-Sabinene hydrate	0.12	Monoterpenic alcohol
trans-Arbusculone	0.03	Furan

trans-Arbusculol	0.02	Furan
Terpinolene	0.03	Monoterpene
trans-Sabinene hydrate	0.04	Monoterpenic alcohol
Linalool	0.46	Monoterpenic alcohol
Hotrienol	0.08	Monoterpenic alcohol
Nonanal	0.03	Aliphatic aldehyde
2-Methylbutyl 2-methylbutyrate	0.27	Aliphatic ester
2-Methylbutyl isovalerate	0.13	Aliphatic ester
3-Methyl-3-butenyl 2-methylbutyrate	0.02	Aliphatic ester
cis-*para*-Menth-2-en-1-ol	0.04	Monoterpenic alcohol
trans-*para*-Menth-2-en-1-ol	0.02	Monoterpenic alcohol
Prenyl 2-methylbutyrate	0.03	Aliphatic ester
Prenyl isovalerate	0.04	Aliphatic ester
Nerol oxide	0.01	Aliphatic ether
Terpinen-4-ol	0.25	Monoterpenic alcohol
para-Cymen-8-ol	0.01	Monoterpenic alcohol
α-Terpineol	0.02	Monoterpenic alcohol
cis-Piperitol	0.03	Monoterpenic alcohol
Ethyl octanoate	0.01	Aliphatic ester
cis-nor-Davanone?	0.03	Furan
nor-Davanone	0.20	Furan
(3*Z*)-Hexenyl 2-methylbutyrate	0.02	Aliphatic ester
(3*Z*)-Hexenyl isovalerate	0.06	Aliphatic ester
Neral	0.04	Monoterpenic aldehyde
Geraniol	0.01	Monoterpenic alcohol
Geranial	0.03	Monoterpenic aldehyde
Methyl hydrocinnamate	0.01	Phenylpropanoid ester
Cogeijerene	0.05	Terpene derivative
Methyl (*Z*)-cinnamate	0.12	Phenylpropanoid ester
Bicycloelemene analog	0.02	Sesquiterpene
Bicycloelemene	0.23	Sesquiterpene
Ethyl hydrocinnamate	0.13	Phenylpropanoid ester
Eugenol	0.10	Phenylpropanoid
Isoledene	0.04	Sesquiterpene
α-Copaene	0.04	Sesquiterpene
Ethyl (*Z*)-cinnamate	1.10	Phenylpropanoid ester
Modhephene	0.04	Sesquiterpene
Methyl (*E*)-cinnamate	0.64	Phenylpropanoid ester
cis-β-Elemene	0.04	Sesquiterpene
Geranyl acetate	0.71	Monoterpenic ester
β-Cubebene	0.01	Sesquiterpene
β-Elemene	0.29	Sesquiterpene
Benzyl isovalerate	0.06	Phenolic ester
trans-erythro-Davanafuran?	0.07	Furan
cis-erythro-Davanafuran?	0.06	Furan

α-Gurjunene	0.07	Sesquiterpene
trans-threo-Davanafuran?	0.04	Furan
β-Maaliene	0.02	Sesquiterpene
cis-threo-Davanafuran	0.45	Furan
β-Caryophyllene	0.10	Sesquiterpene
β-Copaene	0.05	Sesquiterpene
α-Maaliene	0.01	Sesquiterpene
Aromadendrene	0.34	Sesquiterpene
Selina-5,11-diene	0.04	Sesquiterpene
α-Humulene	0.14	Sesquiterpene
allo-Aromadendrene	0.60	Sesquiterpene
Unknown	0.13	Unknown
Ethyl (*E*)-cinnamate	3.80	Phenylpropanoid ester
Selina-4,11-diene	0.05	Sesquiterpene
γ-Muurolene	0.17	Sesquiterpene
Germacrene D	0.91	Sesquiterpene
β-Selinene	1.44	Sesquiterpene
α-Selinene	0.06	Sesquiterpene
Davana ether isomer I	1.56	Sesquiterpenic ether
Bicyclogermacrene	9.93	Sesquiterpene
Viridiflorene	0.62	Sesquiterpene
α-Muurolene	0.03	Sesquiterpene
γ-Cadinene	0.37	Sesquiterpene
Davana ether isomer II	4.13	Sesquiterpenic ether
Davana ether isomer III	1.11	Sesquiterpenic ether
Artedouglasia oxide C	0.26	Sesquiterpenic ketone
Zonarene	0.07	Sesquiterpene
δ-Cadinene	0.15	Sesquiterpene
Laciniata furanone G?	0.05	Sesquiterpenic ketone
Laciniata furanone F?	0.05	Sesquiterpenic ketone
Artedouglasia oxide A	0.34	Sesquiterpenic ketone
Davana ether isomer IV	2.58	Sesquiterpenic ether
α-Calacorene	0.05	Sesquiterpene
Laciniata furanone *E*?	0.07	Sesquiterpenic ketone
Laciniata furanone H	0.10	Sesquiterpenic ketone
Davanone A	0.52	Sesquiterpenic ketone
Artedouglasia oxide D	0.23	Sesquiterpenic ketone
Geranyl butyrate	0.02	Monoterpenic ester
Davanone B	1.42	Sesquiterpenic ketone
(*E*)-Nerolidol	0.37	Sesquiterpenic alcohol
Davanone C	0.28	Sesquiterpenic ketone
Spathulenol	1.13	Sesquiterpenic alcohol
Artedouglasia oxide B	0.19	Sesquiterpenic ketone
Globulol	0.40	Sesquiterpenic alcohol
Cubeban-11-ol	0.17	Sesquiterpenic alcohol

Davanone D	40.99	Sesquiterpenic ketone
Viridiflorol	0.27	Sesquiterpenic alcohol
Unknown	0.50	Oxygenated sesquiterpene
Eudes*m*-5-en-11-ol	0.34	Sesquiterpenic alcohol
Unknown	0.20	Oxygenated sesquiterpene
Davanol D isomer I	0.56	Sesquiterpenic alcohol
Unknown	0.14	Unknown
Isospathulenol	0.61	Sesquiterpenic alcohol
τ-Cadinol	1.11	Sesquiterpenic alcohol
Unknown	0.50	Unknown
Methyl *cis*-jasmonate	0.23	Jasmonate
β-Eudesmol	0.57	Sesquiterpenic alcohol
5-Hydroxy-6-methyl-2-(5-methyl-5-vinyltetrahydrofuran-2-yl)hepta-4,6-dien-3-one, isomer II	0.19	Sesquiterpenic alcohol
α-Cadinol	0.21	Sesquiterpenic alcohol
Unknown	0.22	Oxygenated sesquiterpene
Unknown	2.50	Oxygenated sesquiterpene
Davanyl acetate	0.14	Sesquiterpenic ester
Davanonol isomer	0.08	Sesquiterpenic alcohol
Unknown	0.26	Oxygenated sesquiterpene
β-Davanon-2-ol	0.32	Sesquiterpenic alcohol
Phytone	0.13	Terpenic ketone
Nonadecane	0.04	Alkane
Heneicosane	0.11	Alkane
Phytol	0.13	Diterpenic alcohol
Consolidated total	**93.19**	

tr: The compound has been detected below 0.005% of the total signal

Note: no correction factor was applied

About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm is set to prioritize data from the most standard DB-5 column, and smallest values so as to avoid overestimating individual content. This process is semi-automatic. Advanced users are invited to consult the "Full analysis data" table after the chromatograms in this report to access the full untreated data and perform their own calculations if needed.

Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

Bracketed value ([xx]): A bracketed percent value indicate that two or more compound percentage could not be solved due to coelution.

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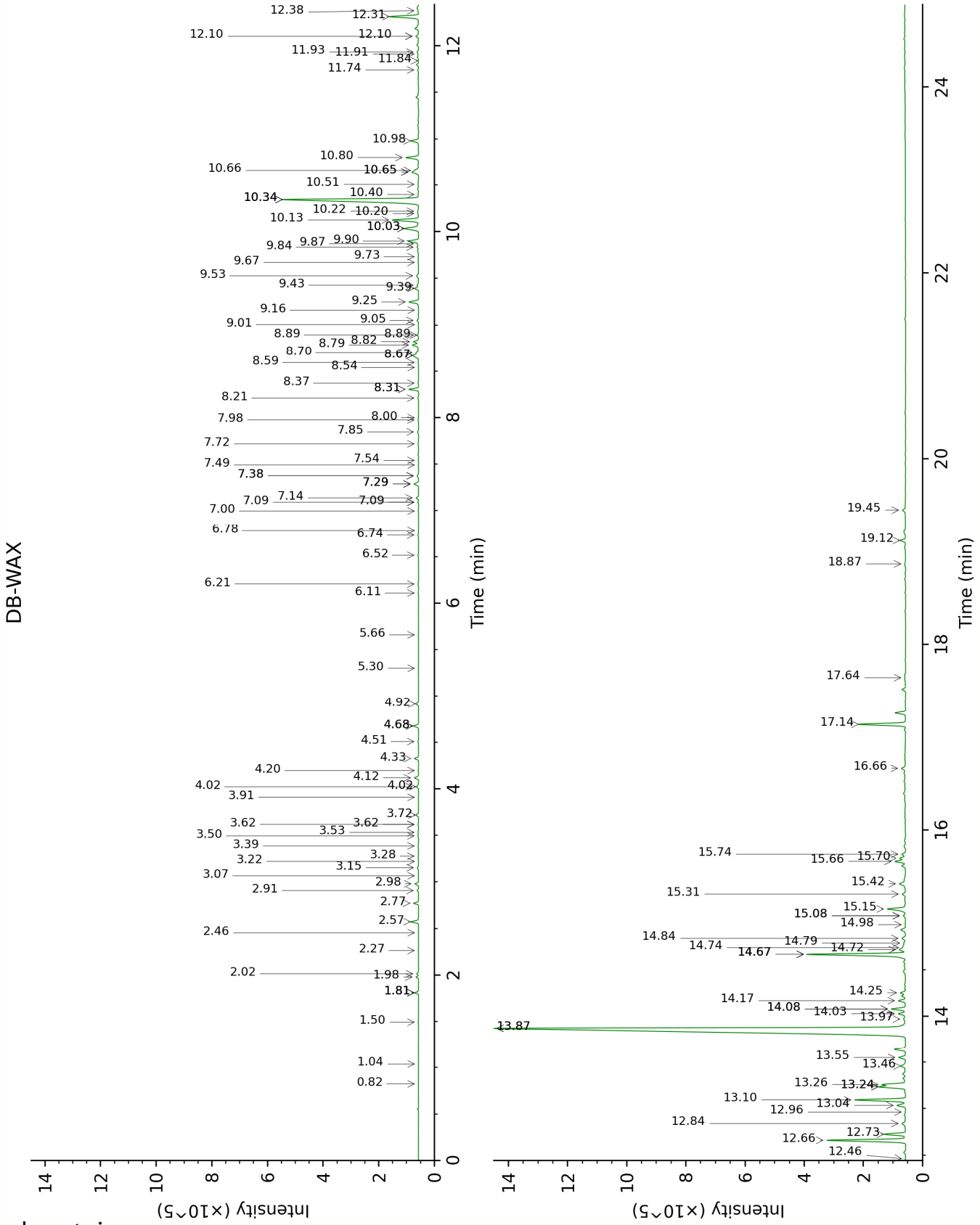
DB-WAX
Time (min)
Intensity (×10^5)
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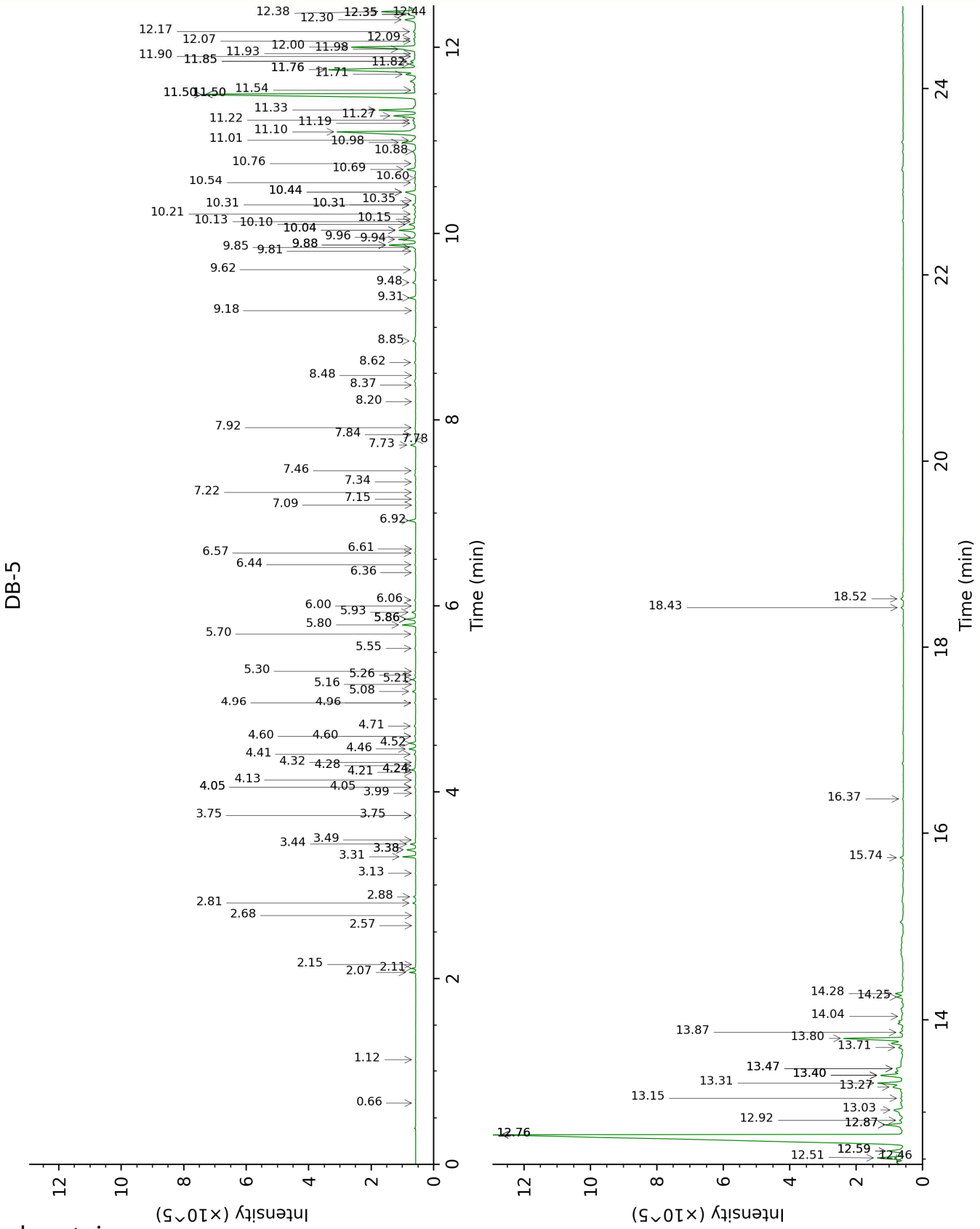
12.31
12.10
12.10
11.93
11.91
11.84
11.74
10.98
10.80
10.66
10.65
10.51
10.40
10.34
10.22
10.20
10.13
10.03
9.84
9.87
9.90
9.73
9.67
9.53
9.43
9.39
9.25
9.16
9.05
9.01
8.89
8.89
8.79
8.82
8.70
8.67
8.59
8.54
8.37
8.31
8.21
7.98
8.00
7.85
7.72
7.49
7.54
7.38
7.29
7.09
7.14
7.09
7.00
6.78
6.74
6.52
6.21
6.11
5.66
5.30
4.92
4.68
4.51
4.33
4.20
4.12
4.02
4.02
3.91
3.72
3.62
3.62
3.53
3.50
3.39
3.28
3.22
3.15
3.07
2.98
2.91
2.77
2.57
2.46
2.27
2.02
1.98
1.81
1.50
1.04
0.82
19.45
19.12
18.87
17.64
17.14
16.66
15.74
15.66
15.70
15.42
15.31
15.08
15.15
14.98
14.84
14.79
14.74
14.72
14.67
14.25
14.17
14.08
14.03
13.97
13.87
13.55
13.46
13.26
13.24
13.10
13.04
12.96
12.84
12.73
12.66
12.46


DB-5
Time (min)
Intensity (×10^5)
12.38
12.30
12.35
12.44
12.17
12.07
12.09
11.90
11.85
11.93
12.00
11.98
11.82
11.76
11.71
11.50
11.50
11.54
11.33
11.22
11.27
11.19
11.10
11.01
10.98
10.88
10.76
10.69
10.60
10.54
10.44
10.31
10.31
10.35
10.21
10.13
10.10
10.15
10.04
9.96
9.94
9.85
9.81
9.88
9.62
9.48
9.31
9.18
8.85
8.62
8.48
8.37
8.20
7.92
7.84
7.73
7.78
7.46
7.34
7.22
7.15
7.09
6.92
6.57
6.61
6.44
6.36
6.00
6.06
5.93
5.86
5.80
5.70
5.55
5.30
5.26
5.21
5.16
5.08
4.96
4.96
4.71
4.60
4.60
4.52
4.46
4.41
4.32
4.28
4.21
4.24
4.13
4.05
4.05
3.99
3.75
3.75
3.44
3.49
3.31
3.38
3.13
2.88
2.81
2.68
2.57
2.15
2.07
2.11
1.12
0.66
18.52
18.43
16.37
15.74
14.28
14.25
14.04
13.87
13.80
13.71
13.47
13.40
13.31
13.27
13.15
13.03
12.92
12.87
12.76
12.59
12.51
12.46

FULL ANALYSIS DATA

2-Methylbutyral	Column DB-WAX			Column DB-5		
	0.82	879.1	tr	0.66	651.2	tr
Unknown ARPA I [m/z 85, 41 (62), 43 (47), 60 (22)... 95 (t)]	3.22	1144.8	0.01	1.12	748.4	0.01
Ethyl 2-methylbutyrate	1.81*	1023.0	[0.18]	2.07	849.7	0.15
Ethyl isovalerate	1.98	1039.2	0.10	2.11	853.2	0.10
Propyl isobutyrate	1.81*	1023.0	[0.18]	2.15	856.7	0.01
Nonene	1.04	920.5	tr	2.57	891.3	tr
(*cis*?)-5-Ethyl-2-methyl-2-vinyltetrahydrofuran	1.81*	1023.0	[0.18]	2.68	900.3	tr
(*trans*?)-5-Ethyl-2-methyl-2-vinyltetrahydrofuran	2.02	1042.4	0.08	2.81	910.0	0.08
(*trans*?)-2,5-Divinyl-2-methyltetrahydrofuran	2.91	1121.1	0.07	2.88	914.4	0.06
α-Pinene	1.50	991.1	0.02	3.13	931.1	0.02
Unknown ARPA II [m/z 111, 43 (87), 82 (72), 55 (70), 67 (63), 83 (56), 41 (44)... 125 (17), 140 (5)]	2.57	1095.6	0.38	3.31	942.8	0.38
5,5-Dimethyl-2(5H)-furanone	8.70	1546.8	0.12	3.38*	947.7	[0.32]
Propyl 2-methylbutyrate	2.77	1110.8	0.22	3.38*	947.7	[0.32]
Propyl isovalerate	2.98	1126.6	0.18	3.44	951.8	0.16
Benzaldehyde	7.54	1460.0	0.02	3.49	954.7	0.02
Sabinene	2.46	1084.5	0.01	3.75*	972.1	[0.03]
β-Pinene	2.26	1066.3	0.02	3.75*	972.1	[0.03]
6-Methyl-5-hepten-2-one	5.30	1300.1	0.01	3.99	987.8	0.01
trans-Dehydroxylinalool oxide	3.62*	1174.9	[0.03]	4.05*	992.0	[0.05]
Myrcene	3.07	1133.1	0.01	4.05*	992.0	[0.05]
2-Pentylfuran	3.91	1196.6	0.02	4.05*	992.0	[0.05]
Unknown ARPA IV [m/z 43, 71 (48), 41 (46), 55 (39), 69 (38), 70 (38), 82 (35)... 140 (23)]	3.62*	1174.9	[0.03]	4.13	997.2	0.01
Octanal	4.68*	1250.5	[0.28]	4.21	1002.6	0.01
cis-Dehydroxylinalool oxide	4.02*	1204.6	[0.13]	4.24*	1004.4	[0.16]

Unknown ARPA V [m/z 43, 111 (99), 55 (82), 125 (75), 82 (73), 67 (68), 83 (62)... 140 (5)]	3.72	1182.5	0.14	4.24*	1004.4	[0.16]
Isobutyl 2-methylbutyrate	3.28	1149.1	0.03	4.28	1007.2	0.02
Isobutyl isovalerate	3.50	1165.5	0.04	4.32	1009.5	0.02
α-Terpinene	3.15	1139.7	0.08	4.40	1015.0	0.05
Unknown ARPA VI [m/z 111, 43 (92), 55 (75), 82 (70), 67 (65), 83 (58), 41 (48), 81 (41)... 125 (15), 140 (4)]	4.12	1211.4	0.22	4.46	1018.5	0.23
para-Cymene	4.33	1225.9	0.20	4.52	1022.4	0.19
Limonene	3.39	1157.4	0.02	4.60*	1027.0	[0.05]
1,8-Cineole	3.53	1168.4	0.04	4.60*	1027.0	[0.05]
Lavender lactone	9.43	1602.8	0.08	4.71	1033.8	0.06
cis-Arbusculone	6.74	1401.1	0.04	4.96*	1049.5	[0.05]
(*E*)-β-Ocimene	4.20	1216.9	0.02	4.96*	1049.5	[0.05]
γ-Terpinene	4.02*	1204.6	[0.13]	5.08	1057.6	0.11
cis-Arbusculol				5.16	1062.4	0.02
cis-Sabinene hydrate	7.14	1430.7	0.13	5.21	1065.6	0.12
trans-Arbusculone	7.29*	1441.5	[0.27]	5.26	1068.5	0.03
trans-Arbusculol	7.49	1456.4	0.02	5.30	1071.1	0.02
Terpinolene	4.51	1238.7	0.03	5.55	1086.5	0.03
trans-Sabinene hydrate	8.21	1509.5	0.04	5.70	1096.1	0.04
Linalool	8.31*	1516.7	[0.47]	5.80	1102.4	0.46
Hotrienol	9.05	1573.6	0.08	5.86*	1106.3	[0.35]
Nonanal	6.11	1357.0	0.03	5.86*	1106.3	[0.35]
2-Methylbutyl 2-methylbutyrate	4.68*	1250.5	[0.28]	5.86*	1106.3	[0.35]
2-Methylbutyl isovalerate	4.92	1267.1	0.14	5.93	1111.0	0.13
3-Methyl-3-butenyl 2-methylbutyrate	5.66	1325.3	0.02	6.00	1115.3	0.02
cis-para-Menth-2-en-1-ol	8.37	1521.7	0.04	6.06	1119.3	0.04
trans-para-Menth-2-en-1-ol	9.16	1582.0	0.01	6.36	1138.0	0.02
Prenyl 2-methylbutyrate	6.21	1363.8	0.03	6.44	1143.5	0.03
Prenyl isovalerate	6.52	1385.6	0.04	6.57	1151.4	0.04
Nerol oxide	7.09*	1427.3	[0.04]	6.61	1154.3	0.01
Terpinen-4-ol	8.82	1556.3	0.27	6.92	1174.2	0.25

para-Cymen-8-ol	11.84	1801.2	0.02	7.09	1184.9	0.01
α-Terpineol	10.03*	1651.3	[1.03]	7.15	1189.0	0.02
cis-Piperitol	9.87	1638.3	0.05	7.22	1193.5	0.03
Ethyl octanoate	6.78	1404.5	0.02	7.34	1200.7	0.01
cis-nor-Davanone?	8.89*	1561.6	[0.08]	7.46	1208.6	0.03
nor-Davanone	9.39	1600.1	0.21	7.73	1227.0	0.20
(3*Z*)-Hexenyl 2-methylbutyrate	7.29*	1441.5	[0.27]	7.78	1230.4	0.02
(3*Z*)-Hexenyl isovalerate	7.38*	1447.9	[0.09]	7.84	1234.4	0.06
Neral	9.73	1627.2	0.03	7.92	1239.5	0.04
Geraniol	11.91	1807.5	0.02	8.20	1258.1	0.01
Geranial	10.40	1680.4	0.05	8.37	1270.0	0.03
Methyl hydrocinnamate	11.74	1792.6	0.06	8.48	1277.0	0.01
Cogeijerene	8.31*	1516.7	[0.47]	8.62	1286.2	0.05
Methyl (*Z*)-cinnamate	12.84	1889.0	0.26	8.85	1302.1	0.12
Bicycloelemene analog	7.00	1420.3	0.03	9.18	1324.9	0.02
Bicycloelemene	7.29*	1441.5	[0.27]	9.32	1334.5	0.23
Ethyl hydrocinnamate	12.10*	1824.3	[0.14]	9.48	1346.1	0.13
Eugenol	15.08*	2099.4	[0.13]	9.62	1355.7	0.10
Isoledene	7.09*	1427.3	[0.04]	9.81	1369.7	0.04
α-Copaene	7.38*	1447.9	[0.09]	9.85	1372.5	0.04
Ethyl (*Z*)-cinnamate	13.26	1927.4	1.10	9.88*	1374.3	[1.07]
Modhephene	7.72	1473.0	0.04	9.88*	1374.3	[1.07]
Methyl (*E*)-cinnamate	14.08*	2003.1	[0.76]	9.94	1378.6	0.64
cis-β-Elemene	8.54	1534.6	0.01	9.96	1380.1	0.04
Geranyl acetate	10.80	1713.7	0.71	10.04*	1385.5	[0.71]
β-Cubebene	8.00	1493.5	0.01	10.04*	1385.5	[0.71]
β-Elemene	8.67*	1544.6	[0.45]	10.10	1389.8	0.29
Benzyl isovalerate	12.10*	1824.3	[0.14]	10.13	1391.9	0.06
trans-erythro-Davanafuran?	10.22	1666.0	0.07	10.15	1393.7	0.07
cis-erythro-Davanafuran?	10.34*	1676.0	[10.02]	10.21	1397.7	0.06
α-Gurjunene	7.85	1482.3	0.07	10.31*	1404.6	[0.11]
trans-threo-Davanafuran?	10.51	1689.0	0.04	10.31*	1404.6	[0.11]
β-Maaliene	7.98	1491.7	0.04	10.35	1407.9	0.02
cis-threo-Davanafuran	10.98	1728.7	0.45	10.44*	1414.7	[0.55]
β-Caryophyllene	8.67*	1544.6	[0.45]	10.44*	1414.7	[0.55]
β-Copaene	8.59	1538.7	0.04	10.54	1422.3	0.05
α-Maaliene	8.89*	1561.6	[0.08]	10.60	1426.2	0.01
Aromadendrene	8.79	1553.5	0.36	10.69	1433.3	0.34

Selina-5,11-diene	9.01	1570.2	0.02	10.76	1438.0	0.04
α-Humulene	9.53	1610.8	0.14	10.88	1447.6	0.14
allo-Aromadendrene	9.25	1588.7	0.54	10.98	1454.8	0.60
Unknown ARPA VII [m/z 153, 43 (78), 111 (62), 96 (58), 95 (50), 67 (44), 109 (42)...]	11.93	1809.4	0.09	11.01	1456.6	0.13
Ethyl (*E*)-cinnamate	14.67*	2059.3	[5.27]	11.10	1463.4	3.80
Selina-4,11-diene	9.67†	1622.3	0.03	11.19*†	1470.2	[0.10]
γ-Muurolene	9.84†	1635.3	0.09	11.22*†	1472.7	[0.14]
Germacrene D	10.03*	1651.3	[1.03]	11.27	1476.1	0.91
β-Selinene	10.13	1658.6	1.48	11.33	1480.8	1.44
α-Selinene	10.20	1664.1	0.06	11.50*	1493.2	[11.83]
Davana ether isomer I	12.32	1842.8	1.56	11.50*	1493.2	[11.83]
Bicyclogermacrene	10.34*	1676.0	[10.02]	11.50*	1493.2	[11.83]
Viridiflorene	9.90	1640.5	0.62	11.50*	1493.2	[11.83]
α-Muurolene	10.34*	1676.0	[10.02]	11.54	1496.6	0.03
γ-Cadinene	10.65*	1700.6	[0.45]	11.71	1509.6	0.37
Davana ether isomer II	12.66	1873.2	4.13	11.76*	1513.4	[5.08]
Davana ether isomer III	12.73	1878.9	1.11	11.76*	1513.4	[5.08]
Artedouglasia oxide C	13.24*	1925.2	[1.46]	11.82	1518.2	0.26
Zonarene	10.65*	1700.6	[0.45]	11.85*	1520.5	[0.22]
δ-Cadinene	10.66	1702.0	0.15	11.85*	1520.5	[0.22]
Laciniata furanone G?				11.90	1524.6	0.05
Laciniata furanone F?				11.93	1527.0	0.05
Artedouglasia oxide A	13.55	1954.1	0.40	11.98	1530.7	0.34
Davana ether isomer IV	13.10	1912.3	2.57	12.00	1532.5	2.58
α-Calacorene	12.38	1848.4	0.04	12.07	1537.4	0.05
Laciniata furanone *E*?				12.09	1539.4	0.07
Laciniata furanone H				12.17	1545.4	0.10
Davanone A	13.04	1906.8	0.52	12.30	1555.5	0.52
Artedouglasia oxide D	14.08*	2003.1	[0.76]	12.35*	1560.0	[0.25]
Geranyl butyrate	12.46	1855.5	0.02	12.35*	1560.0	[0.25]
Davanone B	13.24*	1925.2	[1.46]	12.38	1562.3	1.42
(*E*)-Nerolidol	14.03	1998.3	0.40	12.44	1566.5	0.37
Davanone C	13.46	1945.6	0.32	12.46	1568.6	0.28
Spathulenol	14.67*	2059.3	[5.27]	12.51	1572.4	1.13
Artedouglasia oxide B	14.74	2066.2	0.19	12.59*	1578.2	[0.70]
Globulol	14.17	2011.7	0.40	12.59*	1578.2	[0.70]
Cubeban-11-ol	13.97	1992.8	0.17	12.76*	1591.9	[41.43]
Davanone D	13.87*	1983.3	[41.59]	12.76*	1591.9	[41.43]
Viridiflorol	14.25	2019.8	0.27	12.76*	1591.9	[41.43]
Unknown ARPA VIII [m/z 43, 219 (54), 41	13.87*	1983.3	[41.59]	12.87*	1600.4	[0.84]

(51), 234 (49)]						
Eudes*m*-5-en-11-ol	14.67*	2059.3	[5.27]	12.87*	1600.4	[0.84]
Unknown ARPA IX [m/z 207, 43 (87), 83 (84), 149 (77), 109 (70), 81 (66), 93 (54)... 235 (10)...]	14.84	2075.7	0.23	12.92	1604.1	0.20
Davanol D isomer I	14.72	2064.1	0.42	13.03	1613.2	0.56
Unknown ARPA X [m/z 83, 55 (25), 111 (22), 93 (19), 43 (12)...]	14.79	2070.8	0.10	13.15	1623.6	0.14
Isospathulenol	15.70	2160.9	0.31	13.27	1633.6	0.61
τ-Cadinol	15.15	2106.7	1.11	13.32	1637.1	1.11
Unknown ARPA XI [m/z 95, 67 (56), 93 (41), 41 (37), 55 (34), 109 (30), 111 (24)...]	15.42	2133.6	0.50	13.40*	1644.0	[1.14]
Methyl *cis*-jasmonate	16.66	2260.0	0.23	13.40*	1644.0	[1.14]
β-Eudesmol	15.66	2157.6	0.57	13.40*	1644.0	[1.14]
5-Hydroxy-6-methyl-2-(5-methyl-5-vinyltetrahydrofuran-2-yl)hepta-4,6-dien-3-one, isomer II	15.31	2122.6	0.19	13.47*	1650.0	[0.50]
α-Cadinol	15.74	2165.2	0.21	13.47*	1650.0	[0.50]
Unknown ARPA XII [m/z 153, 43 (51), 93 (25), 111 (23), 109 (22), 41 (22), 55 (19), 123 (17)... 250 (9)]				13.70	1669.3	0.22
Unknown ARPA XIV [m/z 163, 43 (56), 121 (14), 105 (13), 164 (13)... 234 (3)...]	17.14	2310.2	2.37	13.80	1677.4	2.50
Davanyl acetate				13.87	1682.6	0.14
Davanonol isomer	18.87	2501.6	0.09	14.04	1696.8	0.08
Unknown ARPA XV [m/z 43, 71 (88), 93 (86), 41 (74), 55 (73), 81 (71), 95 (59), 91 (53), 67 (52)... 220 (13)... 236? (t)]	17.64	2364.8	0.06	14.25	1714.5	0.26
β-Davanon-2-ol	19.12	2530.9	0.29	14.28	1717.7	0.32
Phytone	14.98	2089.9	0.02	15.74	1846.0	0.13
Nonadecane	12.96	1900.3	0.02	16.37	1903.3	0.04

Heneicosane	15.08*	2099.4	[0.13]	18.42	2103.1	0.11
Phytol	19.45	2569.4	0.16	18.52	2112.8	0.13
Total reported		91.95%			92.64%	

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, only the first one is taken into account in the consolidated total

†: Peaks apexes were resolved, but peaks overlapped and were summed for analysis

tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied
R.T.: Retention time (minutes)
R.I.: Retention index