

Supplementary material to:

Original article:

**VOC EMISSIONS FROM PARTICLE FILTERING HALF MASKS –
METHODS, RISKS AND NEED FOR FURTHER ACTION**

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Table S1 Hygienic Guidance Values for TVOC in indoor air (Ausschuss fuer Innenraumrichtwerte, 2021)

Level	Concentration [mg TVOC/m ³]	Hygienic evaluation
1	≤ 0.3	'hygienically harmless'
2	0.3–1.0	'hygienically still harmless'
3	1.0–3.0	'hygienically conspicuous'
4	3.0–10	'hygienically critical'
5	≥ 10	'hygienically unacceptable'

Compound identification was conducted using NIST 05, NIST 05s, NIST 08 and NIST 08s database on Shimadzu's LabSolutions GCMS solution Version 4.45.

All compounds with a similarity index above 80 are listed as identified.

Database identification is not necessarily correct, due to different compounds having similar mass spectra and overlapping retention times can lead to overlapping mass spectra. Overlapping mass spectra of different compounds can in sum lead to high similarity indices with non-related compounds. Further, similar compounds can produce highly similar mass spectra. Hence, similar compounds can be identified by the same database mass spectra and hits might occur as duplicates in a table.

Due to the high reproducibility of the triplicate measurements, one random measurement for each sample was chosen for qualitative analysis.

Peak area gives the percentage of a peak's ratio to the sum of all peak ratios. Therefore, it also gives the ratio to the compound's Toluene Equivalent to the whole Toluene Equivalent.

Reference: Ausschuss fuer Innenraumrichtwerte. (vormals Ad-hoc-Arbeitsgruppe). Umweltbundesamt. [Online] 03 15, 2021. <https://www.umweltbundesamt.de/themen/gesundheit/kommissionen-arbeitsgruppen/ausschuss-fuer-innenraumrichtwerte-vormals-ad-hoc#ausschuss-fur-innenraumrichtwerte>.

To assess the VOCs, the substances identified by means of the database were searched qualitatively with regard to specific compound classes. The substrings ‘phen’, ‘benz’, ‘xyl’ and ‘inden’ were summarized as aromatic compounds and values were corrected for ‘hexyl’. Siloxanes were searched by the fragment ‘silo’. The substrings ‘limon’, ‘pinen’, ‘cymen’ and ‘terpen’ were recorded as terpenes. Caprolactam was searched using the word fragment ‘caprolac’ and aldehydes using the fragment ‘anal’. ‘Anol’ for alcohols and ‘ate’ and ‘ester’ for esters. ‘Phthal’ was used to search for phthalates. ‘Ane’ was used to look for alkanes and values were corrected for siloxanes. The number of respective hits for the samples are listed in the table below according to the substance classes.

Table S2 Number of hits for the respective compound class for Sample A to Sample AU

	Aroma -tics	Silox- anes	Ter- penes	Capro- lactam	Phtha- lates	Alde- hydes	Al- kanes	Alco- hols	Esters
Sample A	3	1	0	0	1	0	42	6	2
Sample B	1	4	0	1	0	1	64	5	2
Sample C	1	3	0	1	0	1	50	6	1
Sample D	0	4	1	1	0	0	60	9	2
Sample E	2	0	2	0	0	0	55	8	4
Sample F	1	6	0	0	0	1	55	7	3
Sample G	2	4	1	0	0	1	55	8	2
Sample H	0	4	0	1	0	0	64	6	8
Sample I	1	5	0	1	0	0	45	8	10
Sample J	1	4	0	1	0	0	48	7	7
Sample K	2	6	0	1	0	1	58	5	8
Sample L	2	4	0	1	0	1	51	9	4
Sample M	2	1	1	0	0	0	62	4	8
Sample N	8	6	0	1	0	0	52	7	5
Sample O	0	7	0	1	0	2	51	7	4
Sample P	2	4	0	1	0	0	48	14	3

Sample Q	2	2	1	0	0	2	49	5	3
Sample R	2	3	1	1	0	1	54	5	7
Sample S	1	2	0	1	0	2	67	2	6
Sample T	24	4	1	0	0	0	45	7	3
Sample U	2	4	0	1	0	0	61	7	3
Sample V	2	4	0	1	0	0	61	7	4
Sample W	1	5	0	1	0	1	55	5	5
Sample X	3	4	0	1	0	1	53	6	4
Sample Y	0	2	0	1	0	1	50	9	5
Sample Z	1	5	0	0	0	2	61	8	4
Sample AA	0	4	0	1	0	2	47	5	2
Sample AB	1	4	0	1	0	2	44	6	6
Sample AC	3	4	0	1	0	2	47	7	7
Sample AD	2	6	0	1	0	1	42	8	7
Sample AE	2	4	0	1	0	2	57	5	5
Sample AF	2	2	0	1	0	2	65	4	7
Sample AG	8	4	0	1	0	1	54	6	4
Sample AH	1	3	0	1	0	2	19	4	0
Sample AI	0	4	1	1	0	1	50	5	3
Sample AJ	1	4	0	0	0	0	31	3	1
Sample AK	1	3	0	1	0	0	53	8	2
Sample AL	1	2	0	0	0	0	57	12	7
Sample AM	2	2	0	0	0	0	58	12	9

Sample AN	2	2	0	1	0	0	52	6	4
Sample AO	4	3	0	1	0	0	51	12	7
Sample AP	1	3	0	0	0	2	52	8	3
Sample AQ	3	4	0	1	0	2	47	7	7
Sample AR	0	4	0	1	0	1	38	4	1
Sample AS	2	4	0	1	0	0	45	6	5
Sample AT	1	3	0	1	0	0	46	8	5
Sample AU	0	3	0	1	0	0	54	8	4

Sample A

Number of peaks: 116

Number of identified compounds: 72

Ratio of identified peak area: 86.88%

Peak Area [%]	Database comparison
0.06	7-Tetradecene
0.06	Cyclotetrasiloxane, octamethyl-
0.06	Decane, 1-iodo-
0.06	Oxygen
0.08	Undecane, 3-methyl-
0.1	Nonane, 5-methyl-5-propyl-
0.11	Heptane, 2,5,5-trimethyl-
0.12	Isotridecanol-
0.13	Octacosyl trifluoroacetate
0.14	1,3-Cyclopentadiene, 1,3-bis(1-methylethyl)-
0.14	Dodecane, 4,6-dimethyl-
0.16	Dodecane, 4,6-dimethyl-
0.17	3-Eicosene, (E)-
0.18	Heptane, 2,5,5-trimethyl-
0.19	Decane, 1,1'-oxybis-
0.19	Dodecane, 2,6,10-trimethyl-
0.19	Dodecane, 4,6-dimethyl-
0.2	Zinc, bis[2-(1,1-dimethyl-2-propenyl)-3,3-dimethylcyclopropyl]-, [1.alpha.(1R*,2R*),2.alpha.]-
0.22	p-Xylene
0.25	Hexadecane, 1-iodo-
0.26	Eicosane
0.27	Eicosane
0.29	3-Hexen-1-ol, 6-(2,6,6-trimethyl-1-cyclohexenyl)-4-methyl-, (E)-
0.3	Decane
0.31	6,10-Dodecadien-3-ol, 3,7,11-trimethyl-
0.31	Dodecane, 4,6-dimethyl-
0.34	Dodecane, 4,6-dimethyl-
0.36	Disulfide, di-tert-dodecyl
0.36	Octane, 2,6,6-trimethyl-
0.37	.alpha.-Farnesene
0.37	Eicosane
0.47	Dodecane, 4,6-dimethyl-
0.53	Dodecane, 4,6-dimethyl-
0.58	Octane, 5-ethyl-2-methyl-
0.6	1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,7b-octahydro-1,1,4,7-tetramethyl-, [1aR-(1a.alpha.,4.alpha.,4a.beta.,7b.alpha.)]-
0.61	1,3-Cyclopentadiene, 1,3-bis(1-methylethyl)-

0.62	Squalene
0.67	2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-
0.69	1-Octanol, 2,7-dimethyl-
0.76	Tetradecane
0.78	Isolongifolene, 9,10-dehydro-
0.79	2-Undecene, 4,5-dimethyl-, [R*,R*-(E)]-
0.79	Dodecane, 4-methyl-
0.8	Eicosane
0.81	Dodecane, 4,6-dimethyl-
0.85	Tricyclo[3.1.0.0(2,4)]hexane, 3,6-diethyl-3,6-dimethyl-, trans-
0.93	1-Hexadecanesulfonyl chloride
0.94	Nonane, 3-methyl-5-propyl-
0.99	Isotridecanol-
1.06	Dodecane, 4,6-dimethyl-
1.16	Dodecane, 4,6-dimethyl-
1.23	Undecane
1.25	Dodecane, 4,6-dimethyl-
1.37	Phosphinous chloride, phenyl(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)-
1.39	Dodecane, 4,6-dimethyl-
1.45	Undecane, 5-methyl-
1.46	Octane, 5-ethyl-2-methyl-
1.53	1H-Cyclopropa[a]naphthalene, 1a,2,3,3a,4,5,6,7b-octahydro- 1,1,3a,7-tetramethyl-, [1aR-(1a.alpha.,3a.alpha.,7b.alpha.)]-
1.63	Eicosane
1.68	1H-3a,7-Methanoazulene, 2,3,6,7,8,8a-hexahydro-1,4,9,9- tetramethyl-, (1.alpha.,3a.alpha.,7.alpha.,8a.beta.)-
1.79	(2,6,6-Trimethylcyclohex-1-enylmethanesulfonyl)benzene
1.97	Eicosane
1.98	5,9-Undecadien-1-yne, 6,10-dimethyl-
2.19	1,5,9-Cyclododecatriene, 1,5,9-trimethyl-
2.25	Dodecane
2.92	Eicosane
3.55	Dodecane, 4,6-dimethyl-
4.06	1-Heptanol, 2,4-diethyl-
4.54	1-Heptanol, 2,4-diethyl-
4.59	Isotridecanol-
8.88	Dodecane, 4,6-dimethyl-
13.39	Butylated Hydroxytoluene

Sample B

Number of peaks: 102

Number of identified compounds: 85

Ratio of identified peak area: 98.86%

Peak Area [%]	Database comparison
0.04	Decane, 5,6-dimethyl-
0.06	Cyclopentasiloxane, decamethyl-
0.06	Eicosane
0.06	Heptadecane
0.06	Nonane, 5-(2-methylpropyl)-
0.06	Nonane, 5-(2-methylpropyl)-
0.07	2-Bromo dodecane
0.07	Dodecane, 4,6-dimethyl-
0.07	Nonane, 5-butyl-
0.07	Tridecane
0.08	2,6-Dimethyldecane
0.08	Decane
0.08	Decane, 1-iodo-
0.08	o-Xylene
0.08	Tetradecane
0.08	Undecyl trifluoroacetate
0.09	Eicosane
0.1	Decanal
0.1	Hexadecane
0.12	Decane, 3,3,8-trimethyl-
0.12	Eicosane
0.13	Oxalic acid, 2-ethylhexyl hexyl ester
0.14	1-Undecene, 4-methyl-
0.14	Cyclooctane, ethyl-
0.15	Eicosane
0.15	Tetradecane
0.16	Heneicosane
0.16	Hexasiloxane, tetradecamethyl-
0.17	2-Undecene, 4,5-dimethyl-, [R*,R*-(E)]-
0.17	3-Decene, 2,2-dimethyl-, (E)-
0.18	Dodecane, 2,7,10-trimethyl-
0.18	Dodecane, 4,6-dimethyl-
0.19	Undecane
0.2	Tetradecane
0.22	Cyclooctane, (1-methylpropyl)-
0.23	Octadecane
0.24	Nonane, 2,5-dimethyl-
0.25	Heptasiloxane, hexadecamethyl-
0.27	Cyclooctane, butyl-
0.28	1-Decanol, 2-hexyl-

0.31	Dodecane, 4,6-dimethyl-
0.36	Tetradecane
0.37	Dodecane, 4,6-dimethyl-
0.37	Dodecane, 4,6-dimethyl-
0.37	Heneicosane
0.37	Isotridecanol-
0.39	Dodecane, 4,6-dimethyl-
0.4	1-Undecene, 7-methyl-
0.41	Dodecane
0.43	Tetradecane
0.52	Octane, 2,4,6-trimethyl-
0.57	Octane, 2,3,6,7-tetramethyl-
0.58	Caprolactam
0.63	Heptasiloxane, hexadecamethyl-
0.66	Dodecane, 4,6-dimethyl-
0.66	Eicosane
0.7	Undecane
0.88	Dodecane, 4,6-dimethyl-
0.88	Eicosane
0.91	Dodecane, 4-methyl-
0.92	Nonane, 2,5-dimethyl-
0.99	Dodecane, 4,6-dimethyl-
1.1	Dodecane, 4,6-dimethyl-
1.15	Hexadecane
1.19	Eicosane
1.25	Dodecane, 4,6-dimethyl-
1.42	Dodecane, 4,6-dimethyl-
1.43	4-Decene, 7-methyl-, (E)-
1.61	Dodecane, 4,6-dimethyl-
1.73	Dodecane, 4,6-dimethyl-
2.17	Dodecane, 4,6-dimethyl-
2.76	Octane, 5-ethyl-2-methyl-
2.79	Isotridecanol-
3.01	Isotridecanol-
3.93	Octane, 2,3,6,7-tetramethyl-
4.03	Isotridecanol-
4.36	Dodecane, 4,6-dimethyl-
4.47	Octane, 6-ethyl-2-methyl-
4.6	1-Undecene, 7-methyl-
5.2	Dodecane, 4,6-dimethyl-
5.24	1-Undecene, 7-methyl-
5.38	Heptane, 2,5,5-trimethyl-
5.64	Heptane, 2,5,5-trimethyl-
7.43	Octane, 5-ethyl-2-methyl-
9.05	Octane, 6-ethyl-2-methyl-

Sample C

Number of peaks: 81

Number of identified compounds: 68

Ratio of identified peak area: 97.51%

Peak Area [%]	Database comparison
0.04	Heptane, 3,3,4-trimethyl-
0.08	2-Isopropyl-5-methyl-1-heptanol
0.08	Heneicosane
0.09	5,5-Dibutylnonane
0.1	Hexadecane, 2,6,11,15-tetramethyl-
0.11	Tetradecane
0.12	Cyclopentasiloxane, decamethyl-
0.12	Heneicosane
0.16	Dodecane, 4-methyl-
0.16	Nonane, 3-methyl-
0.16	Triacontane, 1-bromo-
0.18	Tetradecane
0.2	Eicosane
0.2	Nonane, 5-methyl-5-propyl-
0.2	Tetradecanal
0.21	1-Tridecene
0.23	Decane, 2,8,8-trimethyl-
0.24	p-Xylene
0.3	Dodecane, 4,6-dimethyl-
0.31	Hexasiloxane, tetradecamethyl-
0.33	1-Heptanol, 2,4-diethyl-
0.33	Sulfurous acid, butyl dodecyl ester
0.37	Eicosane
0.4	Eicosane
0.41	1-Undecene, 7-methyl-
0.41	Undecane
0.42	1-Tridecene
0.45	Cyclopentane, 1-pentyl-2-propyl-
0.45	Eicosane
0.47	1-Undecene, 7-methyl-
0.47	Heneicosane
0.49	Dodecane, 4,6-dimethyl-
0.5	Dodecane, 4,6-dimethyl-
0.53	Dodecane, 4,6-dimethyl-
0.54	1-Butanol, 3-methoxy-
0.59	Dodecane, 4,6-dimethyl-
0.59	Heneicosane
0.7	Undecane, 4-methyl-
0.75	Octane, 5-ethyl-2-methyl-
0.86	Dodecane, 4,6-dimethyl-

0.89	Hexadecane, 2,6,11,15-tetramethyl-
0.9	Decane, 3,3,6-trimethyl-
1	Eicosane
1.05	Dodecane, 4-methyl-
1.05	Heptasiloxane, hexadecamethyl-
1.21	Cyclopentanone, 2-methyl-
1.21	Tetradecane
1.29	Dodecane, 4,6-dimethyl-
1.46	Eicosane
1.46	Octane, 5-ethyl-2-methyl-
1.58	Eicosane
1.81	Dodecane, 4,6-dimethyl-
1.82	Octane, 5-ethyl-2-methyl-
1.93	Dodecane
2.17	Caprolactam
2.32	Dodecane, 4,6-dimethyl-
2.37	Undecane, 5-methyl-
2.45	Isotridecanol-
2.82	Eicosane
2.97	Dodecane, 4,6-dimethyl-
3.11	Isotridecanol-
3.74	Isotridecanol-
3.76	Dodecane, 4,6-dimethyl-
3.89	Dodecane, 4,6-dimethyl-
4.3	Dodecane, 4,6-dimethyl-
5.42	Eicosane
9.18	Dodecane, 4,6-dimethyl-
17	Dodecane, 4,6-dimethyl-

Sample D

Number of peaks: 120

Number of identified compounds: 83

Ratio of identified peak area: 95.33%

Peak Area [%]	Database comparison
0.05	2,3-Dimethyldecane
0.05	Decane, 2,8,8-trimethyl-
0.06	Heptadecane, 2-methyl-
0.07	1-Butanol, 3-methoxy-, acetate
0.09	1-Octanol, 2-butyl-
0.09	Octane, 2,6-dimethyl-
0.1	Hexadecane, 2-methyl-
0.1	Octane, 2,6,6-trimethyl-
0.11	Decane, 3-ethyl-3-methyl-
0.11	Hexadecane
0.12	1-Dodecene
0.12	1-Pentadecene
0.12	Dodecane, 2,6,10-trimethyl-
0.13	Cyclotetrasiloxane, octamethyl-
0.13	Tetradecane, 4-methyl-
0.15	Dodecane, 4,6-dimethyl-
0.15	Hexadecane, 1-iodo-
0.16	4-Decene, 7-methyl-, (E)-
0.17	Octadecane, 1-(ethenyloxy)-
0.18	2-Isopropyl-5-methyl-1-heptanol
0.18	Cyclopentasiloxane, decamethyl-
0.18	Decane, 5-propyl-
0.19	Decane, 2,8,8-trimethyl-
0.19	Tetracontane
0.2	Pentadecane, 2,6,10,14-tetramethyl-
0.21	Hexadecane
0.22	Acetamide, N,N-dimethyl-
0.24	Heneicosane
0.24	Heptane, 2,5,5-trimethyl-
0.24	Hexadecane
0.24	Octadecane
0.25	Eicosane
0.26	Cyclopentane, undecyl-
0.26	Dodecane, 4,6-dimethyl-
0.27	Isotridecanol-
0.27	Pentadecane, 2,6,10,14-tetramethyl-
0.28	Heptadecane
0.29	6,10,13-Trimethyltetradecanol
0.32	Eicosane
0.35	Eicosane

0.36	Hexasiloxane, tetradecamethyl-
0.37	Hexadecane, 2,6,11,15-tetramethyl-
0.42	Cyclopropane, 1,1-dimethyl-2-(3-methyl-1,3-butadienyl)-
0.42	Hexadecane
0.43	Hexadecane
0.46	Dodecane, 4,6-dimethyl-
0.48	Dodecane, 4-methyl-
0.59	1-Tetradecene
0.62	Eicosane
0.66	Eicosane
0.68	Heptasiloxane, hexadecamethyl-
0.73	Dodecane, 4,6-dimethyl-
0.73	Hexadecane, 2,6,11,15-tetramethyl-
0.73	Undecane
0.9	Eicosane
0.91	Hexadecane
1	Dodecane, 4,6-dimethyl-
1.06	D-Limonene
1.18	Dodecane, 4-methyl-
1.21	Sulfurous acid, pentyl tridecyl ester
1.22	Heptane, 2,5,5-trimethyl-
1.34	Eicosane
1.45	Nonane, 2,6-dimethyl-
1.56	Dodecane, 4,6-dimethyl-
1.73	1-Heptanol, 2,4-diethyl-
1.73	Isotridecanol-
1.84	1-Butanol, 3-methoxy-
1.94	Dodecane, 4,6-dimethyl-
1.97	2-Undecene, 2,5-dimethyl-
1.99	Octane, 2,3,6,7-tetramethyl-
2.14	Dodecane, 4,6-dimethyl-
2.15	Caprolactam
2.27	Dodecane
2.31	1-Heptanol, 2,4-diethyl-
2.36	1-Undecene, 7-methyl-
2.49	Dodecane, 4,6-dimethyl-
2.68	Eicosane
3.59	Undecane, 5-methyl-
3.62	Undecane, 5-methyl-
5.11	Dodecane, 4,6-dimethyl-
6.85	Octane, 5-ethyl-2-methyl-
10.31	Octane, 5-ethyl-2-methyl-
11.6	Dodecane, 4,6-dimethyl-

Sample E

Number of peaks: 120

Number of identified compounds: 85

Ratio of identified peak area: 97.69%

Peak Area [%]	Database comparison
0.03	Nonane, 5-methyl-5-propyl-
0.03	Eicosane
0.04	Decane, 3,3,8-trimethyl-
0.05	Tetracosane
0.06	2-Undecene, 3-methyl-, (Z)-
0.06	1-Undecene, 8-methyl-
0.06	1-Nonanol, 4,8-dimethyl-
0.07	Undecane, 2-methyl-
0.07	Ethanone, 1-[4-(1-methylethenyl)phenyl]-
0.07	3-Octadecene, (E)-
0.07	1-Hexadecanesulfonyl chloride
0.08	Cyclopentane, decyl-
0.08	Cyclohexane, 1,2-diethyl-3-methyl-
0.09	Dodecane, 2-methyl-
0.09	Decane, 1-iodo-
0.1	Dodecane, 2,6,11-trimethyl-
0.1	2-Isopropyl-5-methyl-1-heptanol
0.11	Dodecane, 4,6-dimethyl-
0.11	2-Undecene, 9-methyl-, (E)-
0.12	Disulfide, di-tert-dodecyl
0.13	Heneicosane
0.13	Dodecane, 2,6,10-trimethyl-
0.14	Isotridecanol-
0.14	Dodecane, 4,6-dimethyl-
0.14	Decane, 2,8,8-trimethyl-
0.15	Dodecane, 4,6-dimethyl-
0.15	Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)-
0.16	3-Octanol, 6-ethyl-
0.17	Oxalic acid, 6-ethyloct-3-yl heptyl ester
0.17	Nonane, 5-methyl-5-propyl-
0.17	2-Bromo dodecane
0.17	1-Tetradecene
0.17	1-Pentadecene
0.18	Nonane, 5-methyl-5-propyl-
0.18	5,8-Diethyl-6-dodecanol
0.2	Tridecane, 7-methylene-
0.21	Nonane, 5-methyl-5-propyl-
0.22	2-Undecene, 9-methyl-, (Z)-
0.24	Sulfurous acid, dodecyl pentyl ester
0.24	Eicosane

0.24	Dodecane, 4-methyl-
0.25	Decane, 1,1'-oxybis-
0.28	D-Limonene
0.31	Octane, 2,3,6,7-tetramethyl-
0.32	Tetradecane
0.32	Eicosane
0.32	Cyclododecane
0.32	1R-.alpha.-Pinene
0.35	Dodecane, 4,6-dimethyl-
0.36	Cyclopentane, pentyl-
0.36	4-Decene, 7-methyl-, (E)-
0.37	Dodecane, 4,6-dimethyl-
0.4	Eicosane
0.42	Nonane, 5-methyl-5-propyl-
0.46	Decane, 2,8,8-trimethyl-
0.52	1-Tridecene
0.53	Cyclohexane, undecyl-
0.54	Eicosane
0.55	Dodecane, 4,6-dimethyl-
0.57	Undecane, 3-methyl-
0.67	Dodecane, 4,6-dimethyl-
0.73	Dodecane, 4,6-dimethyl-
0.81	Sulfurous acid, octadecyl pentyl ester
0.82	3-Carene
0.9	Sulfurous acid, pentyl tridecyl ester
0.91	Dodecane, 4,6-dimethyl-
1.04	2-Undecene, 2,5-dimethyl-
1.26	Heptane, 2,5,5-trimethyl-
1.43	1-Heptanol, 2,4-diethyl-
1.44	Octane, 5-ethyl-2-methyl-
1.56	Isotridecanol-
1.58	Octane, 2,6,6-trimethyl-
1.6	Dodecane, 4,6-dimethyl-
2.01	1-Heptanol, 2,4-diethyl-
2.19	2-Undecene, 2,5-dimethyl-
2.43	o-Xylene
2.52	Dodecane, 4,6-dimethyl-
2.66	Octane, 5-ethyl-2-methyl-
2.81	1-Undecene, 7-methyl-
3.6	Decane
3.92	Octane, 5-ethyl-2-methyl-
5.56	Dodecane, 4-methyl-
10.03	Tridecane
14.41	Undecane
18.06	Dodecane

Sample F

Number of peaks: 104

Number of identified compounds: 80

Ratio of identified peak area: 97.81%

Peak Area [%]	Database comparison
0.06	Heneicosane
0.06	Heneicosane
0.08	Cyclopentane, decyl-
0.08	Heneicosane
0.09	Nonacosane
0.09	Tetradecane
0.09	Undecane, 3-methyl-
0.1	Heptadecane
0.11	Eicosane
0.11	Undecane
0.12	Tetracosane
0.13	Decane, 3,3,8-trimethyl-
0.14	1-Undecene, 4-methyl-
0.14	2-Isopropyl-5-methyl-1-heptanol
0.14	Dodecane, 2,6,10-trimethyl-
0.15	Tetradecane
0.16	2-Undecene, 2,5-dimethyl-
0.17	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.17	4-Decene, 7-methyl-, (E)-
0.17	Dodecane, 4,6-dimethyl-
0.17	Eicosane
0.17	Hexadecane, 1-iodo-
0.18	1-Heptanol, 2,4-diethyl-
0.18	2-Propenoic acid, 2-methyl-, octyl ester
0.18	Eicosane
0.19	Pentadecane
0.2	2-Bromo dodecane
0.21	Octane, 2,3,6,7-tetramethyl-
0.22	Dodecane, 4,6-dimethyl-
0.23	Heptasiloxane, hexadecamethyl-
0.25	Decanal
0.28	Tetradecane, 4-methyl-
0.29	Cyclooctasiloxane, hexadecamethyl-
0.34	p-Xylene
0.36	Dodecane, 4,6-dimethyl-
0.37	Tetradecane
0.43	Octane, 1,1'-oxybis-
0.45	Octacosyl trifluoroacetate
0.47	1-Methoxy-2-propyl acetate
0.47	Dodecane, 4,6-dimethyl-

0.48	Dodecane, 4,6-dimethyl-
0.48	Undecane
0.49	2,2,4,4-Tetramethyloctane
0.5	Dodecane, 4,6-dimethyl-
0.55	Isotridecanol-
0.61	Octane, 5-ethyl-2-methyl-
0.63	Octane, 3,3-dimethyl-
0.66	Dodecane, 4,6-dimethyl-
0.67	Dodecane, 4,6-dimethyl-
0.78	Dodecane, 4,6-dimethyl-
0.85	Cyclopentanone, 2-methyl-
0.88	1-Butanol, 3-methoxy-
0.89	Dodecane, 4,6-dimethyl-
0.94	Cycloheptasiloxane, tetradecamethyl-
0.99	Octacosane
1	Dodecane, 4-methyl-
1.06	Dodecane, 4,6-dimethyl-
1.14	Dodecane, 4,6-dimethyl-
1.21	Eicosane
1.22	Dodecane, 4,6-dimethyl-
1.24	Eicosane
1.27	Octane, 5-ethyl-2-methyl-
1.33	Dodecane
1.37	Eicosane
1.48	Octane, 2,3,6,7-tetramethyl-
1.67	Heptasiloxane, hexadecamethyl-
1.7	1-Undecene, 7-methyl-
1.73	Dodecane, 4-methyl-
1.82	Octane, 5-ethyl-2-methyl-
1.87	Dodecane, 4,6-dimethyl-
2	1-Undecene, 7-methyl-
2.41	Octane, 5-ethyl-2-methyl-
3.68	Isotridecanol-
3.7	Decane, 2,2-dimethyl-
3.75	Dodecane, 4,6-dimethyl-
3.81	1-Heptanol, 2,4-diethyl-
4.53	Dodecane, 4,6-dimethyl-
5.91	1-Heptanol, 2,4-diethyl-
11.68	Heptasiloxane, hexadecamethyl-
16.83	Hexasiloxane, tetradecamethyl-

Sample G

Number of peaks: 103

Number of identified compounds: 76

Ratio of identified peak area: 96.90%

Peak Area [%]	Database comparison
0.07	Dodecane, 2-methyl-
0.07	Hexadecane, 2,6,11,15-tetramethyl-
0.12	Tetradecane, 4-methyl-
0.13	Hexadecane, 2-methyl-
0.13	Pentatriacontane
0.14	Hexadecane, 2,6,11,15-tetramethyl-
0.14	Nonane, 3-methyl-5-propyl-
0.15	Tetradecane, 4-methyl-
0.16	Heneicosane
0.17	Hexatriacontane
0.17	Pentadecane, 2,6,10-trimethyl-
0.18	Benzenecarboxylic acid
0.18	Nonane, 5-butyl-
0.18	Sulfurous acid, pentyl undecyl ester
0.2	1-Hexanol, 5-methyl-2-(1-methylethyl)-
0.22	5,5-Dibutylnonane
0.23	Heneicosane
0.24	Decane
0.24	Eicosane
0.25	Cyclopentasiloxane, decamethyl-
0.26	1-Decanol, 2-hexyl-
0.27	Cyclotetrasiloxane, octamethyl-
0.28	Decanal
0.28	Dodecane, 4,6-dimethyl-
0.28	Nonane, 3-methyl-5-propyl-
0.29	1-Butanol, 3-methoxy-
0.32	D-Limonene
0.32	Hexadecane
0.33	Undecyl heptafluorobutyrate
0.34	Heptadecane, 8-methyl-
0.34	Octane, 2,6,6-trimethyl-
0.35	2-Dodecene, (Z)-
0.35	Undecane
0.37	4-Decene, 7-methyl-, (E)-
0.37	Dodecane, 4,6-dimethyl-
0.4	Isotridecanol-
0.4	Octane, 2,6,6-trimethyl-
0.41	Octacosane
0.45	Hexadecane, 2,6,11,15-tetramethyl-
0.46	Decane, 5-propyl-

0.57	Dodecane, 4,6-dimethyl-
0.63	Dodecane, 4,6-dimethyl-
0.64	Dodecane, 4,6-dimethyl-
0.66	Isotridecanol-
0.8	Dodecane, 4,6-dimethyl-
0.85	Dodecane, 4,6-dimethyl-
0.86	Dodecane, 4,6-dimethyl-
0.87	Tetradecane
1.05	Dodecane, 4,6-dimethyl-
1.14	Dodecane, 2,6,11-trimethyl-
1.16	Heptasiloxane, hexadecamethyl-
1.17	Octacosane
1.18	Dodecane, 4,6-dimethyl-
1.22	Dodecane, 4,6-dimethyl-
1.24	Dodecane, 4,6-dimethyl-
1.4	Dodecane, 4,6-dimethyl-
1.56	Octacosane
1.66	Dodecane
1.85	Octane, 2,3,6,7-tetramethyl-
1.92	Dodecane, 4,6-dimethyl-
1.98	Eicosane
2	Eicosane
2.09	Heptane, 2,5,5-trimethyl-
2.26	Hexasiloxane, tetradecamethyl-
2.26	Octane, 5-ethyl-2-methyl-
2.41	Heptane, 2,5,5-trimethyl-
3.49	1-Undecene, 7-methyl-
3.58	2-Isopropyl-5-methyl-1-heptanol
3.76	Isotridecanol-
3.8	Octane, 5-ethyl-2-methyl-
4	1-Undecene, 7-methyl-
4.98	Dodecane, 4,6-dimethyl-
5.2	Isotridecanol-
6.91	Octane, 5-ethyl-2-methyl-
7.15	Hexadecane
8.36	Octane, 2,3,6,7-tetramethyl-

Sample H

Number of peaks: 142

Number of identified compounds: 92

Ratio of identified peak area: 94.01%

Peak Area [%]	Database comparison
0.05	Octane, 2,6,6-trimethyl-
0.05	Undecane, 2-methyl-
0.07	1-Butanol, 3-methoxy-, acetate
0.07	Tetradecane, 5-methyl-
0.08	Decane, 4-ethyl-
0.08	Dodecane, 3-methyl-
0.09	Dodecane
0.09	Tetradecane, 4-methyl-
0.09	Undecane, 5-methyl-
0.11	Undecane, 3-methyl-
0.12	Pentatriacontane
0.13	Dodecane, 4,6-dimethyl-
0.13	Dodecane, 4-methyl-
0.14	2-Isopropyl-5-methyl-1-heptanol
0.14	Isodecyl methacrylate
0.14	Pentadecane, 8-heptyl-
0.15	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.16	3-Ethyl-3-methylheptane
0.17	Silane, cyclohexyldimethoxymethyl-
0.18	Dodecane, 4,6-dimethyl-
0.18	Ethanol, 2-(dodecyloxy)-
0.21	Cyclotetrasiloxane, octamethyl-
0.21	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester
0.23	1-Tridecene
0.23	Hexadecane
0.23	Hexadecane, 1-iodo-
0.23	Pentadecane, 8-hexyl-
0.24	10-Methylnonadecane
0.24	Tetradecane, 4-methyl-
0.25	Decane, 3,3,6-trimethyl-
0.25	Decane, 5-propyl-
0.25	Heneicosane
0.26	Heptadecane, 8-methyl-
0.27	4-Decene, 7-methyl-, (E)-
0.3	Decane, 2,8,8-trimethyl-
0.3	Hexadecane, 2,6,10,14-tetramethyl-
0.32	Eicosane
0.32	Hexadecane
0.36	n-Heptadecanol-1

0.4	Cyclopentanone, 2-methyl-
0.4	Cyclopentasiloxane, decamethyl-
0.41	1,3-Dioxolane-2-acetic acid, 2,4-dimethyl-, ethyl ester
0.43	Isotridecanol-
0.44	Hexadecane
0.44	Undecane
0.46	Tetrapentacontane, 1,54-dibromo-
0.47	Eicosane
0.51	Caprolactam
0.53	Hexadecane, 2,6,11,15-tetramethyl-
0.55	1-Methoxy-2-propyl acetate
0.56	Dodecane, 4,6-dimethyl-
0.58	Dodecane, 4,6-dimethyl-
0.58	Hexadecane, 2,6,10,14-tetramethyl-
0.61	Isotridecanol-
0.63	Heneicosane
0.63	Undecane, 3-methyl-
0.68	Dodecane, 4,6-dimethyl-
0.73	Hexadecane
0.83	Dodecane, 4,6-dimethyl-
0.86	Propanoic acid, 2-hydroxy-2-methyl-, methyl ester
1.02	Hexadecane
1.06	Heptane, 2,5,5-trimethyl-
1.16	Dodecane, 4,6-dimethyl-
1.2	Dodecane, 4,6-dimethyl-
1.21	Octane, 2,3,6,7-tetramethyl-
1.24	Pentadecane, 8-hexyl-
1.27	Tetradecane
1.29	Sulfurous acid, pentyl tridecyl ester
1.39	Dodecane, 4,6-dimethyl-
1.42	Nonane, 5-methyl-5-propyl-
1.45	Nonane, 2,6-dimethyl-
1.61	Dodecane, 4,6-dimethyl-
1.62	Octane, 5-ethyl-2-methyl-
1.69	Eicosane
1.75	Hexasiloxane, tetradecamethyl-
1.77	Eicosane
1.88	Decane
1.9	Dodecane, 4,6-dimethyl-
1.91	Dodecane, 4,6-dimethyl-
1.92	Undecane, 5-methyl-
1.95	Heptasiloxane, hexadecamethyl-
2.25	1-Decene, 2,4-dimethyl-
2.35	1-Undecene, 7-methyl-
2.53	Eicosane

2.96	Dodecane
3.38	Isotridecanol-
3.61	1-Heptanol, 2,4-diethyl-
3.71	Octane, 5-ethyl-2-methyl-
4.33	Dodecane, 4,6-dimethyl-
4.48	Undecane, 5-methyl-
5.27	1-Heptanol, 2,4-diethyl-
8.58	Dodecane, 4,6-dimethyl-

Sample I

Number of peaks: 95

Number of identified compounds: 72

Ratio of identified peak area: 96.46%

Peak Area [%]	Database comparison
0.14	Nonacosane
0.16	1-Butanol, 3-methoxy-, acetate
0.16	Undecane, 3,8-dimethyl-
0.17	Sulfurous acid, dodecyl hexyl ester
0.19	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.2	Cyclopropane, nonyl-
0.21	Cyclotetrasiloxane, octamethyl-
0.22	Eicosane
0.26	Heptane, 2,5,5-trimethyl-
0.28	Eicosane
0.28	p-Xylene
0.3	Tetradecane, 4-methyl-
0.32	2-Undecene, 2,5-dimethyl-
0.39	Hexadecane, 2,6,10,14-tetramethyl-
0.39	Undecyl trifluoroacetate
0.4	Dodecane, 4-methyl-
0.44	Dodecane, 4,6-dimethyl-
0.44	Pentadecane, 7-methyl-
0.45	2-Isopropyl-5-methyl-1-heptanol
0.45	Dodecane, 2-methyl-
0.46	Caprolactam
0.47	Sulfurous acid, pentyl undecyl ester
0.48	Dodecane, 4,6-dimethyl-
0.49	Hexadecane, 1,1-bis(dodecyloxy)-
0.5	Decane, 5-propyl-
0.51	Isotridecanol-
0.54	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate
0.57	Cyclopentane, decyl-
0.62	Acetic acid, trichloro-, heptyl ester
0.62	Heptasiloxane, hexadecamethyl-
0.64	Undecane, 2,6-dimethyl-
0.65	2-Bromo dodecane
0.73	Octane, 5-ethyl-2-methyl-
0.76	1-Methoxy-2-propyl acetate
0.76	Dodecane, 4,6-dimethyl-
0.78	1-Tridecene
0.85	Decane, 2,8,8-trimethyl-
0.87	Dodecane, 4,6-dimethyl-
0.87	Undecane, 4-methyl-

0.89	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
0.95	Cyclopentasiloxane, decamethyl-
1.02	Isotridecanol-
1.04	Nonane, 5-methyl-5-propyl-
1.1	Nonane, 5-(2-methylpropyl)-
1.15	Nonane, 5-methyl-5-propyl-
1.24	Dodecane, 4,6-dimethyl-
1.24	Tetradecane
1.29	Dodecane, 4-methyl-
1.29	Octane, 5-ethyl-2-methyl-
1.31	1-Undecene, 7-methyl-
1.34	Dodecane, 4,6-dimethyl-
1.35	Dodecane, 4,6-dimethyl-
1.37	1-Undecene, 7-methyl-
1.56	Sulfurous acid, pentyl tridecyl ester
1.6	Undecane
1.62	Octane, 5-ethyl-2-methyl-
1.63	Octacosane
1.66	Hexasiloxane, tetradecamethyl-
1.87	Dodecane, 4,6-dimethyl-
1.89	Heptasiloxane, hexadecamethyl-
1.98	Heneicosane
2.05	Octacosane
2.23	Hexadecane, 2,6,11,15-tetramethyl-
2.29	Octane, 5-ethyl-2-methyl-
2.44	Dodecane, 4,6-dimethyl-
2.8	1-Butanol, 3-methoxy-
4.42	Dodecane, 4,6-dimethyl-
4.55	Dodecane
5.46	2-Isopropyl-5-methyl-1-heptanol
5.47	Isotridecanol-
8.01	1-Heptanol, 2,4-diethyl-
8.33	Hexadecane

Sample J

Number of peaks: 110

Number of identified compounds: 74

Ratio of identified peak area: 95.75%

Peak Area [%]	Database comparison
0.06	Undecane, 3-methyl-
0.09	Nonane, 5-methyl-5-propyl-
0.1	Nonane, 5-methyl-5-propyl-
0.12	1-Dodecene
0.12	Pentatriacontane
0.12	Tetracosane
0.15	1-Butanol, 3-methoxy-, acetate
0.15	Decane, 3,3,8-trimethyl-
0.16	3-Eicosene, (E)-
0.17	p-Xylene
0.18	10-Methylnonadecane
0.19	Pentadecane, 8-hexyl-
0.23	Acetamide, N,N-dimethyl-
0.23	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester
0.24	Tetradecane, 4-methyl-
0.25	Dodecane, 4,6-dimethyl-
0.25	Tridecane
0.26	Cyclopentasiloxane, decamethyl-
0.26	Eicosane
0.26	Eicosane
0.3	1-Tetradecene
0.3	Octane, 2,6,6-trimethyl-
0.32	Dodecane, 4,6-dimethyl-
0.32	Ethanol, 2-butoxy-
0.32	Tetradecane, 3-methyl-
0.34	2-Bromo dodecane
0.39	4-Decene, 7-methyl-, (E)-
0.42	Dodecane, 4,6-dimethyl-
0.42	Trichloroacetic acid, hexadecyl ester
0.42	Tridecane, 4-methyl-
0.43	1-Decanol, 2-hexyl-
0.43	Isotridecanol-
0.44	Octadecane
0.46	Hexadecane, 2,6,10,14-tetramethyl-
0.49	Cyclotetrasiloxane, octamethyl-
0.52	Heptasiloxane, hexadecamethyl-
0.67	Undecyl trifluoroacetate
0.69	1-Methoxy-2-propyl acetate
0.7	Dodecane, 4,6-dimethyl-

0.71	Caprolactam
0.73	Dodecane, 4,6-dimethyl-
0.74	Octacosane
0.78	Undecane
0.82	2-Bromo dodecane
0.83	Cyclopentanone, 2-methyl-
0.89	Dodecane, 4,6-dimethyl-
1.06	Hexadecane
1.08	Tetradecane
1.12	Eicosane
1.19	Nonane, 5-methyl-5-propyl-
1.27	Eicosane
1.31	Heptane, 2,5,5-trimethyl-
1.31	Hexasiloxane, tetradecamethyl-
1.37	Dodecane, 4,6-dimethyl-
1.39	Heneicosane
1.47	Nonane, 2,6-dimethyl-
1.5	Dodecane, 4,6-dimethyl-
1.53	Sulfurous acid, 2-pentyl tridecyl ester
1.54	Dodecane, 4,6-dimethyl-
1.54	Tridecane, 5-methyl-
2.18	Octane, 2,3,6,7-tetramethyl-
2.26	1-Decene, 2,4-dimethyl-
2.36	Isotridecanol-
2.43	Dichloroacetic acid, 6-ethyl-3-octyl ester
2.67	Octane, 5-ethyl-2-methyl-
2.88	1-Undecene, 7-methyl-
3.08	Dodecane
3.2	1-Butanol, 3-methoxy-
3.48	1-Heptanol, 2,4-diethyl-
4.53	Nonane, 2,6-dimethyl-
5	Dodecane, 4,6-dimethyl-
7.63	Hexadecane
8.2	Octane, 5-ethyl-2-methyl-
9.7	Octane, 5-ethyl-2-methyl-

Sample K

Number of peaks: 128

Number of identified compounds: 95

Ratio of identified peak area: 96.44%

Peak Area [%]	Database comparison
0.04	Decane, 2,3,7-trimethyl-
0.04	Octacosyl trifluoroacetate
0.04	Tetradecane, 4-methyl-
0.05	Decane, 2,3,5-trimethyl-
0.06	Octane, 2,6-dimethyl-
0.07	3-(Hydroxy-phenyl-methyl)-2,3-dimethyl-octan-4-one
0.07	Pentadecane, 8-heptyl-
0.08	3-Tetradecene, (E)-
0.08	Pentadecane, 2,6,10,14-tetramethyl-
0.08	Pentadecane, 8-hexyl-
0.1	Nonadecyl trifluoroacetate
0.11	Eicosane
0.11	Undecane, 3,6-dimethyl-
0.12	Dodecane, 4,6-dimethyl-
0.12	Heptadecane
0.12	Heptasiloxane, hexadecamethyl-
0.13	1-Octanol, 2,7-dimethyl-
0.13	2-Undecene, 2,5-dimethyl-
0.13	Decane, 3,3,6-trimethyl-
0.13	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.13	Hexadecane, 2,6,11,15-tetramethyl-
0.15	Heptadecane, 8-methyl-
0.16	Eicosane
0.18	Cyclotetrasiloxane, octamethyl-
0.18	Decanal
0.18	Heptadecane
0.18	Heptadecane, 8-methyl-
0.19	Tetradecane, 5-methyl-
0.22	Decane, 5-propyl-
0.22	Tetradecane, 4-methyl-
0.23	Octane, 2,6,6-trimethyl-
0.25	1-Heptanol, 2,4-diethyl-
0.25	Hexadecane
0.25	Nonadecane
0.26	Heptadecane, 8-methyl-
0.26	Tetradecane
0.27	1-Butanol, 3-methoxy-, acetate
0.28	Nonacosane
0.28	Octane, 2,3,6,7-tetramethyl-
0.3	Decane, 5-propyl-

0.3	Undecane, 3-methyl-
0.34	Dodecane, 4,6-dimethyl-
0.34	Eicosane
0.34	Pentadecane, 2,6,10,14-tetramethyl-
0.35	1-Octene, 3,7-dimethyl-
0.35	Hexadecane, 2,6,11,15-tetramethyl-
0.36	dl-2-Ethylhexyl chloroformate
0.39	2,2,4,4-Tetramethyloctane
0.43	p-Xylene
0.44	Tetradecane
0.45	Undecane
0.46	Cyclopentasiloxane, decamethyl-
0.46	Dodecane, 4-methyl-
0.57	Eicosane
0.61	Isotridecanol-
0.63	1-Hexadecanesulfonyl chloride
0.63	Dodecane, 4,6-dimethyl-
0.67	Dodecane, 4,6-dimethyl-
0.71	Dodecane, 4,6-dimethyl-
0.81	Dodecane, 4,6-dimethyl-
0.91	Dodecane, 4,6-dimethyl-
0.96	Octacosane
0.97	Sulfurous acid, pentyl tridecyl ester
0.98	Dodecane, 4,6-dimethyl-
1.06	Caprolactam
1.11	Dodecane, 4,6-dimethyl-
1.14	Heptasiloxane, hexadecamethyl-
1.14	Nonane, 5-methyl-5-propyl-
1.16	Heptane, 2,5,5-trimethyl-
1.19	Dodecane, 4,6-dimethyl-
1.24	1-Hexanol, 2-ethyl-
1.32	Octane, 2,3,6,7-tetramethyl-
1.37	1-Methoxy-2-propyl acetate
1.39	Hexasiloxane, tetradecamethyl-
1.43	Eicosane
1.44	Dodecane, 4,6-dimethyl-
1.51	Octane, 5-ethyl-2-methyl-
1.69	Dodecane, 4,6-dimethyl-
1.78	Eicosane
2.03	2-Propenoic acid, 2-ethylhexyl ester
2.07	Dodecane
2.27	2-Undecene, 2,5-dimethyl-
2.46	Heptasiloxane, hexadecamethyl-
2.47	Octane, 5-ethyl-2-methyl-
2.5	1-Undecene, 7-methyl-

2.88	Eicosane
3.25	Isotridecanol-
3.33	1-Heptanol, 2,4-diethyl-
3.36	Undecane, 2,5-dimethyl-
3.92	Dodecane, 4,6-dimethyl-
4.37	Octane, 5-ethyl-2-methyl-
4.89	1-Heptanol, 2,4-diethyl-
4.91	1-Butanol, 3-methoxy-
5.02	Octane, 5-ethyl-2-methyl-
7.05	Dodecane, 4,6-dimethyl-

Sample L

Number of peaks: 101

Number of identified compounds: 76

Ratio of identified peak area: 97.43%

Peak Area [%]	Database comparison
0.07	Tetradecanal
0.07	Undecane, 2-methyl-
0.09	Nonane, 5-(2-methylpropyl)-
0.12	Cyclopentane, nonyl-
0.13	Eicosane
0.15	Heneicosane
0.15	Undecane, 4,6-dimethyl-
0.16	1-Tetradecene
0.16	Cyclohexanol, 3,3,5-trimethyl-, acetate, cis-
0.16	Hexadecane
0.17	Eicosane
0.17	Heptadecane
0.17	Hexyl octyl ether
0.17	Nonane, 5-methyl-5-propyl-
0.18	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester
0.21	Cyclopentane, 1-pentyl-2-propyl-
0.21	Heptane, 2,5,5-trimethyl-
0.22	p-Xylene
0.24	2-Undecene, 4,5-dimethyl-, [R*,R*-(E)]-
0.24	Heptadecane
0.25	Dodecane, 4,6-dimethyl-
0.25	Eicosane
0.25	Tetracosane
0.26	Cyclopentasiloxane, decamethyl-
0.29	Eicosane
0.31	Decane, 2,8,8-trimethyl-
0.32	1-Undecene, 7-methyl-
0.33	Caprolactam
0.36	1-Dodecanol
0.38	Octane, 2,3,7-trimethyl-
0.4	1-Hexadecanesulfonyl chloride
0.4	Undecane, 3-methyl-
0.54	2-Bromo dodecane
0.55	Eicosane
0.61	Hexadecane, 2,6,11,15-tetramethyl-
0.63	Dodecane, 4,6-dimethyl-
0.63	Heptasiloxane, hexadecamethyl-
0.65	Phenol, 2,4-bis(1,1-dimethylethyl)-
0.66	Dodecane, 4,6-dimethyl-

0.68	1-Butanol, 3-methoxy-, acetate
0.72	Isotridecanol-
0.77	Octane, 5-ethyl-2-methyl-
0.8	Undecane
0.81	Dodecane, 4,6-dimethyl-
0.81	Dodecane, 4,6-dimethyl-
0.88	Hexasiloxane, tetradecamethyl-
0.91	Octane, 6-ethyl-2-methyl-
0.92	1-Decene, 2,4-dimethyl-
0.92	Cyclopentanone, 2-methyl-
0.95	Dodecane, 4,6-dimethyl-
1.02	1-Undecene, 7-methyl-
1.02	2-Isopropyl-5-methyl-1-heptanol
1.02	Tetradecane
1.06	Heptasiloxane, hexadecamethyl-
1.26	Dodecane, 4,6-dimethyl-
1.34	Dodecane, 4,6-dimethyl-
1.45	Octane, 6-ethyl-2-methyl-
1.46	Dodecane, 4,6-dimethyl-
1.55	Eicosane
1.64	Dodecane, 4,6-dimethyl-
1.65	Octane, 5-ethyl-2-methyl-
1.66	Dodecane, 4,6-dimethyl-
1.83	Dodecane, 4,6-dimethyl-
1.9	Dodecane, 4,6-dimethyl-
1.93	Dodecane, 4,6-dimethyl-
1.98	Eicosane
2.14	Eicosane
2.63	Undecane, 5-methyl-
3.79	1-Heptanol, 2,4-diethyl-
4.06	Dodecane
4.22	1-Heptanol, 2,4-diethyl-
5.64	Dodecane, 4,6-dimethyl-
5.65	1-Methoxy-2-propyl acetate
5.87	1-Heptanol, 2,4-diethyl-
8.12	Dodecane, 4,6-dimethyl-
11.06	1-Butanol, 3-methoxy-

Sample M

Number of peaks: 113

Number of identified compounds: 85

Ratio of identified peak area: 96.56%

Peak Area [%]	Database comparison
0.07	Octane, 3,6-dimethyl-
0.07	Pentadecane
0.09	Heptadecane
0.11	Dodecane, 4,6-dimethyl-
0.12	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.12	Pentadecane, 2,6,10,14-tetramethyl-
0.14	Sulfurous acid, dodecyl pentyl ester
0.15	Decane, 1-iodo-
0.16	Dodecane, 3-methyl-
0.17	2-Undecene, 2,5-dimethyl-
0.17	Benzene, 3-cyclohexen-1-yl-
0.17	Eicosane
0.18	p-Xylene
0.2	Dodecane, 4,6-dimethyl-
0.21	16-Hexadecanoyl hydrazide
0.21	Decane, 4-ethyl-
0.21	Dodecane, 4,6-dimethyl-
0.21	Sulfurous acid, hexyl pentadecyl ester
0.22	2-Propenoic acid, 2-methyl-, octyl ester
0.22	Heptadecane, 8-methyl-
0.24	1,2,4-Methenoazulene, decahydro-1,5,5,8a-tetramethyl-, [1S-(1.alpha.,2.alpha.,3a.beta.,4.alpha.,8a.beta.,9R*)]-
0.24	1-Dodecene
0.25	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester
0.26	Hexadecane, 1-iodo-
0.27	3-Hexadecene, (Z)-
0.27	Heptadecane
0.27	Heptane, 2,5,5-trimethyl-
0.28	Undecane, 2-methyl-
0.29	Decane, 5-methyl-
0.3	Heptasiloxane, hexadecamethyl-
0.31	1-Hexadecanesulfonyl chloride
0.33	Pentadecane, 2,6,10-trimethyl-
0.35	Octane, 3,3-dimethyl-
0.36	Decane
0.39	1,4-Methanoazulene, decahydro-4,8,8-trimethyl-9-methylene-, [1S-(1.alpha.,3a.beta.,4.alpha.,8a.beta.)]-
0.43	D-Limonene
0.43	Eicosane

0.46	2-Bromo dodecane
0.46	Hexadecane, 2,6,11,15-tetramethyl-
0.48	Octane, 2,3-dimethyl-
0.54	Octane, 2,3,6,7-tetramethyl-
0.55	Heptane, 2,5,5-trimethyl-
0.55	Oxalic acid, propyl undecyl ester
0.58	Dodecane, 4,6-dimethyl-
0.58	Isotridecanol-
0.6	Dodecane, 4-methyl-
0.62	Dodecane, 4,6-dimethyl-
0.68	Tetradecane
0.69	Dodecane, 4,6-dimethyl-
0.74	Undecane, 5-methyl-
0.78	Undecane
0.79	Undecane, 3-methyl-
0.81	Undecane, 5-methyl-
0.84	Undecane, 4-methyl-
0.88	Dodecane, 4-methyl-
0.97	Octacosane
1.1	Dodecane, 4,6-dimethyl-
1.11	Dodecane, 4,6-dimethyl-
1.18	2-Propenoic acid, 2-ethylhexyl ester
1.19	Dodecane, 2,6,11-trimethyl-
1.28	Eicosane
1.29	Dodecane, 4,6-dimethyl-
1.32	Octane, 5-ethyl-2-methyl-
1.38	Dodecane, 4,6-dimethyl-
1.4	Dodecane, 4,6-dimethyl-
1.6	1-Decene, 2,4-dimethyl-
1.63	Eicosane
1.69	Nonane, 5-methyl-5-propyl-
1.7	Eicosane
1.71	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate
1.92	1-Undecene, 7-methyl-
2.01	Dodecane, 4,6-dimethyl-
2.02	Dodecane, 4,6-dimethyl-
2.58	Dodecane, 4,6-dimethyl-
2.64	Dodecane
2.82	Octane, 2,3,6,7-tetramethyl-
2.82	Octane, 6-ethyl-2-methyl-
3.2	Octane, 5-ethyl-2-methyl-
3.33	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
4.2	Isotridecanol-
4.23	1-Heptanol, 2,4-diethyl-

4.82	Octane, 2,3,6,7-tetramethyl-
5.07	Dodecane, 4,6-dimethyl-
5.91	1-Heptanol, 2,4-diethyl-
8.34	Dodecane, 4,6-dimethyl-

Sample N

Number of peaks: 116

Number of identified compounds: 90

Ratio of identified peak area: 97.63%

Peak Area [%]	Database comparison
0.04	2,3-Dimethyldecane
0.05	Acetamide, N,N-dimethyl-
0.05	Ethanone, 1,2-diphenyl-
0.06	Benzophenone
0.07	1-Dodecene
0.07	2-Undecene, 7-methyl-
0.07	Pentatriacontane
0.08	Octane, 3,3-dimethyl-
0.09	Cyclotetrasiloxane, octamethyl-
0.1	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.1	Heptadecane
0.1	Tetradecane, 5-methyl-
0.11	[1,1':3',1''-Terphenyl]-2'-ol
0.11	2-Isopropyl-5-methyl-1-heptanol
0.11	Eicosane
0.11	Tetradecane, 4-methyl-
0.12	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.12	Myristic acid vinyl ester
0.13	Cyclopentasiloxane, decamethyl-
0.13	Decane, 2,3,5-trimethyl-
0.13	Heptadecane
0.13	Nonane, 5-methyl-5-propyl-
0.14	Pentadecane, 2,6,10,14-tetramethyl-
0.15	10-Methylnonadecane
0.15	1-Ethyl-2,2,6-trimethylcyclohexane
0.15	2,2,4,4-Tetramethyloctane
0.16	Phenol
0.17	Decane, 5-propyl-
0.17	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.17	Eicosane
0.18	Heptadecane
0.18	p-Xylene
0.19	Decane, 2,8,8-trimethyl-
0.2	Benzaldehyde
0.2	Hexasiloxane, tetradecamethyl-
0.21	Nonacosane
0.23	Octane, 2,6,6-trimethyl-
0.26	Cycloheptasiloxane, tetradecamethyl-
0.26	Hexadecane

0.26	Undecane, 3-methyl-
0.27	Heneicosane
0.28	Dodecane, 4,6-dimethyl-
0.29	Heptasiloxane, hexadecamethyl-
0.32	Tetradecane
0.37	1-Methoxy-2-propyl acetate
0.37	Undecane
0.4	Isotridecanol-
0.42	Heptasiloxane, hexadecamethyl-
0.46	1-Octene, 3,7-dimethyl-
0.48	Dodecane, 4,6-dimethyl-
0.5	Hexadecane
0.51	Octane, 2,6,6-trimethyl-
0.54	Dodecane, 4,6-dimethyl-
0.57	Isotridecanol-
0.58	Dodecane, 4,6-dimethyl-
0.6	Dodecane, 4-methyl-
0.6	Eicosane
0.64	Phenol, 2,4-bis(1,1-dimethylethyl)-
0.67	Dodecane, 4,6-dimethyl-
0.82	Cyclopentanone, 2-methyl-
0.83	1-Hexadecanesulfonyl chloride
0.88	1-Butanol, 3-methoxy-, acetate
1.03	Dodecane, 4,6-dimethyl-
1.08	Dodecane, 4,6-dimethyl-
1.22	Dodecane, 4,6-dimethyl-
1.26	1-Pentadecene
1.27	Heptane, 2,5,5-trimethyl-
1.32	Eicosane
1.34	Dodecane, 4,6-dimethyl-
1.37	Caprolactam
1.38	Dodecane
1.51	Dodecane, 4,6-dimethyl-
1.59	Eicosane
1.81	Dodecane, 4,6-dimethyl-
1.82	Dodecane, 4,6-dimethyl-
1.85	Dodecane, 4,6-dimethyl-
1.97	Eicosane
1.97	Octane, 2,3,6,7-tetramethyl-
2	Dodecane, 4,6-dimethyl-
2.83	1-Octanol, 2,7-dimethyl-
3.22	Octane, 5-ethyl-2-methyl-
3.27	1-Undecene, 7-methyl-
3.47	Isotridecanol-
3.62	1-Heptanol, 2,4-diethyl-

3.9	Octane, 5-ethyl-2-methyl-
4.74	1-Heptanol, 2,4-diethyl-
4.97	Dodecane, 4,6-dimethyl-
7.47	Undecane, 5-methyl-
8.67	Dodecane, 4,6-dimethyl-
8.77	Octane, 5-ethyl-2-methyl-

Sample O

Number of peaks: 111

Number of identified compounds: 79

Ratio of identified peak area: 97.93%

Peak Area [%]	Database comparison
0.02	Pentadecane, 2,6,10,14-tetramethyl-
0.03	Pentadecane
0.04	1-Nonadecanol
0.04	2-Isopropyl-5-methyl-1-heptanol
0.04	Octanal
0.05	Heptane, 2,3,5-trimethyl-
0.05	Tetradecane
0.07	1-Dodecene
0.07	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.07	Dodecanal
0.07	Pentadecane
0.08	1,6-Dioxacyclododecane-7,12-dione
0.08	2-Undecene, 2,5-dimethyl-
0.09	5,5-Dibutylnonane
0.1	Acetic acid, 3,7,11,15-tetramethyl-hexadecyl ester
0.1	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.1	Dodecane, 4,6-dimethyl-
0.1	Eicosane
0.1	Hexadecane, 2,6,11,15-tetramethyl-
0.11	Decane, 3,3,8-trimethyl-
0.11	Dodecane, 4-methyl-
0.12	Eicosane
0.13	Octane, 2,3,6,7-tetramethyl-
0.16	Eicosane
0.16	Heneicosane
0.17	Caprolactam
0.17	Decane, 2,8,8-trimethyl-
0.19	1-Hexadecanesulfonyl chloride
0.19	Dodecane, 4,6-dimethyl-
0.19	Hexasiloxane, tetradecamethyl-
0.2	4-Decene, 7-methyl-, (E)-
0.2	Octane, 2,6,6-trimethyl-
0.23	Heptasiloxane, hexadecamethyl-
0.24	Tetradecane
0.26	1-Tridecene
0.27	1-Methoxy-2-propyl acetate
0.3	1-Butoxy-2-ethylhexane
0.3	Dodecane, 4,6-dimethyl-
0.31	Isotridecanol-
0.32	Dodecane, 4,6-dimethyl-

0.35	Dodecane, 4,6-dimethyl-
0.36	Dodecane, 4,6-dimethyl-
0.38	Heptadecane
0.44	Dodecane, 4-methyl-
0.48	1-Butanol, 3-methoxy-
0.48	Dodecane, 4,6-dimethyl-
0.53	Octacosane
0.6	Undecane
0.69	Nonane, 2,6-dimethyl-
0.77	Cyclooctasiloxane, hexadecamethyl-
0.77	Heptane, 2,5,5-trimethyl-
0.78	Dodecane, 4,6-dimethyl-
0.83	Dodecane, 4,6-dimethyl-
0.87	Dodecane, 4,6-dimethyl-
0.89	Eicosane
0.9	Undecane, 4-methyl-
0.99	Dodecane, 4,6-dimethyl-
1.06	Hexadecane, 2,6,11,15-tetramethyl-
1.07	Dodecane, 4,6-dimethyl-
1.15	2-Propyl-1-pentanol
1.19	Dodecane
1.25	Octane, 6-ethyl-2-methyl-
1.27	Dodecane, 4,6-dimethyl-
1.39	Cyclotetrasiloxane, octamethyl-
1.42	Heptadecane
1.55	Dodecane, 4,6-dimethyl-
1.61	1-Undecene, 7-methyl-
1.74	1-Undecene, 7-methyl-
1.78	Octane, 6-ethyl-2-methyl-
2	Isotridecanol-
2.14	Isotridecanol-
3.38	Octane, 6-ethyl-2-methyl-
3.43	Dodecane, 4,6-dimethyl-
3.51	2-Propenoic acid, 2-ethylhexyl ester
3.61	Octane, 6-ethyl-2-methyl-
5.14	Cycloheptasiloxane, tetradecamethyl-
6.67	Dodecane, 4,6-dimethyl-
14.94	Cyclopentasiloxane, decamethyl-
19.89	Cyclohexasiloxane, dodecamethyl-

Sample P

Number of peaks: 102

Number of identified compounds: 75

Ratio of identified peak area: 96.49%

Peak Area [%]	Database comparison
0.09	Octane, 2,3,6,7-tetramethyl-
0.1	1-Dodecene
0.12	Hexadecane, 2,6,10,14-tetramethyl-
0.13	Heptane, 2,5,5-trimethyl-
0.14	1-Hexadecanesulfonyl chloride
0.16	Nonane, 5-butyl-
0.18	Tetradecane, 4-methyl-
0.2	Dodecane, 4,6-dimethyl-
0.22	2-Isopropyl-5-methyl-1-heptanol
0.23	Tetracosane
0.24	2-Isopropyl-5-methyl-1-heptanol
0.24	2-Undecene, 2,5-dimethyl-
0.24	Cyclopentasiloxane, decamethyl-
0.26	Eicosane
0.26	Nonadecyl pentafluoropropionate
0.28	Caprolactam
0.29	Eicosane
0.3	2-Isopropyl-5-methyl-1-heptanol
0.31	2-Isopropyl-5-methyl-1-heptanol
0.32	Tetradecane, 5-methyl-
0.33	Octane, 5-ethyl-2-methyl-
0.34	Heptadecane, 8-methyl-
0.34	Tetradecane, 4-methyl-
0.36	Octane, 6-ethyl-2-methyl-
0.38	1-Octanol, 2,7-dimethyl-
0.38	Nonane, 2-methyl-5-propyl-
0.41	p-Xylene
0.43	Hexadecane, 2,6,10,14-tetramethyl-
0.45	Hexadecane, 1,1-bis(dodecyloxy)-
0.46	1-Octanol, 2-butyl-
0.46	Isotridecanol-
0.48	Hexadecane, 2,6,10,14-tetramethyl-
0.55	Sulfurous acid, dodecyl pentyl ester
0.56	Decane, 2,2-dimethyl-
0.57	1-Heptanol, 2,4-diethyl-
0.6	Heptadecane, 8-methyl-
0.65	Pentadecane, 2,6,10-trimethyl-
0.66	Octane, 5-ethyl-2-methyl-
0.69	Octane, 5-ethyl-2-methyl-
0.81	1-Methoxy-2-propyl acetate

0.81	Dodecane, 4,6-dimethyl-
0.9	Undecane
0.92	Dodecane, 4,6-dimethyl-
1.04	Heptasiloxane, hexadecamethyl-
1.05	Dodecane, 4,6-dimethyl-
1.07	Hexasiloxane, tetradecamethyl-
1.08	Dodecane, 4,6-dimethyl-
1.09	Tetradecane
1.1	Dodecane, 4,6-dimethyl-
1.16	Cyclohexanone
1.2	Dodecane, 4-methyl-
1.29	Isotridecanol-
1.35	Dodecane, 4,6-dimethyl-
1.36	Dodecane, 4,6-dimethyl-
1.43	Dodecane, 4,6-dimethyl-
1.48	Dodecane, 4,6-dimethyl-
1.62	Dodecane, 4,6-dimethyl-
1.65	1-Butanol, 3-methoxy-
1.66	Dodecane, 4,6-dimethyl-
1.67	Heptasiloxane, hexadecamethyl-
1.71	Isotridecanol-
1.87	Dodecane, 4,6-dimethyl-
1.91	Dodecane, 4,6-dimethyl-
1.94	Dodecane, 4,6-dimethyl-
2.41	1-Hexadecanesulfonyl chloride
2.49	Phenol, 2,4-bis(1,1-dimethylethyl)-
2.58	Dodecane
2.77	Eicosane
2.83	Eicosane
2.96	Eicosane
4.8	Dodecane, 4,6-dimethyl-
6.6	1-Heptanol, 2,4-diethyl-
6.71	Hexadecane
7.01	2-Isopropyl-5-methyl-1-heptanol
8.75	2-Isopropyl-5-methyl-1-heptanol

Sample Q

Number of peaks: 94

Number of identified compounds: 69

Ratio of identified peak area: 96.76%

Peak Area [%]	Database comparison
0.08	Eicosane
0.09	Dodecane, 4-methyl-
0.1	Nonane, 5-methyl-5-propyl-
0.11	Eicosane
0.11	Undecane, 2-methyl-
0.12	Nonadecane
0.13	Octanal
0.14	Cyclododecane
0.16	Dodecane, 4,6-dimethyl-
0.16	Dodecane, 4,6-dimethyl-
0.17	Dodecane, 4,6-dimethyl-
0.17	Octadecane
0.18	Acetic acid, 3,7,11,15-tetramethyl-hexadecyl ester
0.18	Dodecane, 2,7,10-trimethyl-
0.19	Dodecane, 4,6-dimethyl-
0.2	Nonane, 5-methyl-5-propyl-
0.22	Cyclotetrasiloxane, octamethyl-
0.22	Dodecane, 2-methyl-
0.24	Nonane, 5-(2-methylpropyl)-
0.25	Octane, 2,3,6,7-tetramethyl-
0.27	Cyclohexane, undecyl-
0.29	Decanal
0.31	Eicosane
0.32	D-Limonene
0.32	Tetradecane
0.36	2-Isopropyl-5-methyl-1-heptanol
0.38	Heptane, 2,5,5-trimethyl-
0.44	Cyclopentasiloxane, decamethyl-
0.48	Heptane, 2,5,5-trimethyl-
0.49	Dodecane, 4,6-dimethyl-
0.49	Ethylparaben
0.51	Dodecane, 4,6-dimethyl-
0.51	Dodecane, 4,6-dimethyl-
0.54	Disulfide, di-tert-dodecyl
0.64	2-Undecene, 2,5-dimethyl-
0.67	Isotridecanol-
0.78	2-Propenoic acid, 2-ethylhexyl ester
0.81	Octane, 6-ethyl-2-methyl-
0.91	Dodecane, 4,6-dimethyl-
0.96	Dodecane, 4,6-dimethyl-

0.98	Undecane, 4-methyl-
1.06	Dodecane, 4-methyl-
1.1	1-Hexadecanesulfonyl chloride
1.1	Nonane, 5-methyl-5-propyl-
1.16	p-Xylene
1.17	2-Undecene, 2,5-dimethyl-
1.2	Eicosane
1.25	Dodecane, 4,6-dimethyl-
1.32	Phenol, 2,4-bis(1,1-dimethylethyl)-
1.38	Decane
1.42	Dodecane, 4,6-dimethyl-
1.47	Eicosane
1.56	1-Undecene, 7-methyl-
1.57	Dodecane, 4,6-dimethyl-
1.58	Octane, 6-ethyl-2-methyl-
1.65	Dodecane, 4,6-dimethyl-
1.91	Dodecane, 4,6-dimethyl-
2.14	Dodecane, 4-methyl-
2.36	Eicosane
2.46	Octane, 5-ethyl-2-methyl-
3.28	Octane, 6-ethyl-2-methyl-
3.93	Isotridecanol-
4.06	Isotridecanol-
5.21	Isotridecanol-
5.81	Tridecane
5.91	Sulfurous acid, octadecyl pentyl ester
6.87	Dodecane, 4,6-dimethyl-
7.04	Undecane
11.11	Dodecane

Sample R

Number of peaks: 131

Number of identified compounds: 97

Ratio of identified peak area: 97.59%

Peak Area [%]	Database comparison
0.02	4-Octene, 2,3,6-trimethyl-
0.03	2-Undecene, 3-methyl-, (Z)-
0.03	Nonane, 2,2,4,4,6,8,8-heptamethyl-
0.03	Undecane, 2,5-dimethyl-
0.04	3-Undecene, 8-methyl-
0.04	Decane, 1,1'-oxybis-
0.04	Octacosane
0.05	Decane, 5,6-dimethyl-
0.06	Decane, 1-iodo-
0.06	D-Limonene
0.06	Nonane, 5-methyl-5-propyl-
0.06	Undecane, 3-methyl-
0.07	4-Undecene, 9-methyl-, (Z)-
0.07	Dodecane, 2,5-dimethyl-
0.07	Nonane, 5-(2-methylpropyl)-
0.07	Sulfurous acid, hexyl pentadecyl ester
0.08	Nonane, 5-methyl-5-propyl-
0.08	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester
0.08	Tetradecane, 4-methyl-
0.09	3-Heptene, 2,2,3,5,6-pentamethyl-
0.09	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.1	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.1	Hexadecane, 2,6,11,15-tetramethyl-
0.1	p-Dioxane, 2,3-bis(tert-butyloxy)-
0.12	1,4-Methanoazulene, decahydro-4,8,8-trimethyl-9-methylene-, [1S-(1.alpha.,3a.beta.,4.alpha.,8a.beta.)]-
0.12	2-Undecene, 2,5-dimethyl-
0.12	Benzene, 1,4-bis(1-methylethyl)-
0.12	Eicosane
0.12	Octadecane
0.12	p-Xylene
0.13	1-Decene, 3,4-dimethyl-
0.13	Decanal
0.13	n-Amylcyclohexane
0.15	1,4-Methanoazulene, decahydro-4,8,8-trimethyl-9-methylene-, [1S-(1.alpha.,3a.beta.,4.alpha.,8a.beta.)]-
0.16	Dodecane, 2,6,10-trimethyl-
0.18	Eicosane
0.23	Decane, 5-propyl-

0.23	Tetradecane, 4-methyl-
0.23	Tetradecane, 5-methyl-
0.25	Decyl trifluoroacetate
0.25	Heneicosane
0.25	Tetradecane, 2,5-dimethyl-
0.29	3-Undecene, (E)-
0.32	Hexadecane, 2,6,10,14-tetramethyl-
0.35	Dodecane, 4,6-dimethyl-
0.35	Tetradecane
0.36	1-Octanol, 2-butyl-
0.36	Octane, 2,3,6,7-tetramethyl-
0.37	Decane, 5-propyl-
0.38	Isotridecanol-
0.4	1-Hexadecanesulfonyl chloride
0.41	Dodecane, 4,6-dimethyl-
0.43	Heneicosane
0.44	2,2,4,4-Tetramethyloctane
0.44	2-Undecene, 2,5-dimethyl-
0.45	4-Decene, 7-methyl-, (E)-
0.48	Tetradecane, 2-methyl-
0.49	Dodecane, 4,6-dimethyl-
0.53	Caprolactam
0.54	Cyclopentasiloxane, decamethyl-
0.55	1-Hexanol, 2-ethyl-
0.61	Dodecane, 4,6-dimethyl-
0.63	Dodecane, 4,6-dimethyl-
0.63	Dodecane, 4,6-dimethyl-
0.68	Heptasiloxane, hexadecamethyl-
0.69	Dodecane, 4,6-dimethyl-
0.71	Hexasiloxane, tetradecamethyl-
0.85	Octacosane
0.87	Dodecane, 4,6-dimethyl-
0.93	Decane
0.93	Dodecane, 4,6-dimethyl-
0.94	Dodecane, 4,6-dimethyl-
1.05	Eicosane
1.11	Sulfurous acid, pentyl tridecyl ester
1.2	Dodecane, 4,6-dimethyl-
1.33	Dodecane, 4,6-dimethyl-
1.33	Dodecane, 4,6-dimethyl-
1.46	Eicosane
1.46	Eicosane
1.54	Heptane, 2,5,5-trimethyl-
1.85	Octane, 5-ethyl-2-methyl-
1.86	2-Propenoic acid, 2-ethylhexyl ester

1.92	Octane, 2,3,6,7-tetramethyl-
2.48	Isotridecanol-
2.53	1-Heptanol, 2,4-diethyl-
2.83	1-Octanol, 2,7-dimethyl-
3.28	1-Undecene, 7-methyl-
3.39	1-Heptanol, 2,4-diethyl-
3.41	Undecane, 5-methyl-
3.86	Dodecane, 4,6-dimethyl-
4.15	Decane, 3,3,8-trimethyl-
4.56	Tridecane
4.84	Undecane
5.36	Decane, 2,2-dimethyl-
5.51	Octane, 5-ethyl-2-methyl-
6.83	Octane, 5-ethyl-2-methyl-
7.48	Dodecane

Sample S

Number of peaks: 155

Number of identified compounds: 111

Ratio of identified peak area: 96.42%

Peak Area [%]	Database comparison
0.02	Eicosane
0.03	1-Hexadecanesulfonyl chloride
0.03	Cyclooctane, 1-methyl-3-propyl-
0.04	Dodecane, 4-methyl-
0.05	Dodecane, 4-methyl-
0.05	Pentadecane, 2,6,10,14-tetramethyl-
0.05	Tetradecanal
0.05	Tetratetracontane
0.06	10-Methylnonadecane
0.06	Dodecane, 4,6-dimethyl-
0.06	Heneicosane
0.06	Octacosyl trifluoroacetate
0.06	Pentatriacontane
0.06	Tridecane, 5-methyl-
0.06	Tridecane, 5-methyl-
0.06	Undecane, 3,7-dimethyl-
0.07	Hexadecane, 2-methyl-
0.08	Cyclooctane, (1-methylpropyl)-
0.08	Decanal
0.08	Tetradecane, 4-methyl-
0.09	Heneicosane
0.09	Octadecane
0.1	Oxalic acid, 2-ethylhexyl tetradecyl ester
0.11	Decane
0.11	Heptadecane
0.11	Hexadecane, 2,6,10,14-tetramethyl-
0.13	Eicosane
0.14	Hexadecane
0.14	Undecane, 2-methyl-
0.14	Undecane, 4,6-dimethyl-
0.15	Dodecane, 4,6-dimethyl-
0.16	p-Xylene
0.17	Hexyl octyl ether
0.17	Silane, cyclohexyldimethoxymethyl-
0.18	1,3-Dioxolane-2-acetic acid, 2,4-dimethyl-, ethyl ester
0.18	Cycloheptasiloxane, tetradecamethyl-
0.19	Heneicosane
0.19	Heptasiloxane, hexadecamethyl-
0.2	Nonane, 5-propyl-
0.21	Nonane, 2,5-dimethyl-

0.23	Decane, 2,8,8-trimethyl-
0.23	Dodecane, 2-methyl-
0.23	Dodecane, 4,6-dimethyl-
0.24	Heneicosane
0.24	Tetradecane
0.25	Decane, 4-methyl-
0.25	Heneicosane
0.25	Octane, 3,3-dimethyl-
0.26	1-Hexadecanesulfonyl chloride
0.26	1-Tridecene
0.26	Dodecane, 4,6-dimethyl-
0.26	Undecane, 2-methyl-
0.28	1-Hexanol, 3,5,5-trimethyl-
0.28	Undecane, 5-methyl-
0.31	Nonane, 5-(2-methylpropyl)-
0.33	Decane, 3,4-dimethyl-
0.33	Nonane, 5-butyl-
0.34	1-Undecene, 7-methyl-
0.34	Nonane, 4,5-dimethyl-
0.35	Dodecane, 4-methyl-
0.35	Dodecane, 4-methyl-
0.36	2-Undecene, 2,5-dimethyl-
0.37	Octane, 2,5,6-trimethyl-
0.38	2,3-Dimethyldodecane
0.38	2-Undecene, 4,5-dimethyl-, [R*,R*-(E)]-
0.38	Propanoic acid, 2-hydroxy-2-methyl-, methyl ester
0.42	Caprolactam
0.42	Heptadecane
0.42	Isotridecanol-
0.43	Dodecane, 4,6-dimethyl-
0.43	Hexadecane, 2,6,11,15-tetramethyl-
0.45	Dodecane
0.47	Dodecane, 4,6-dimethyl-
0.49	Sulfurous acid, nonyl pentyl ester
0.5	Nonane, 5-(2-methylpropyl)-
0.51	Dodecane, 4,6-dimethyl-
0.57	Nonane, 5-(2-methylpropyl)-
0.59	Dodecane, 4,6-dimethyl-
0.61	1-Hexadecanesulfonyl chloride
0.68	Octane, 2,3,6,7-tetramethyl-
0.78	Dodecane, 4,6-dimethyl-
0.78	Octacosane
0.79	Dodecane, 4,6-dimethyl-
0.81	4-Decene, 7-methyl-, (E)-
0.86	Eicosane

0.88	Dodecane, 4,6-dimethyl-
0.9	Dodecane, 4,6-dimethyl-
0.91	Dodecane, 4,6-dimethyl-
0.91	Heneicosane
0.95	Dodecane, 4,6-dimethyl-
1.17	Heptasiloxane, hexadecamethyl-
1.36	Dodecane, 4,6-dimethyl-
1.79	Dodecane, 4,6-dimethyl-
1.95	Hexasiloxane, tetradecamethyl-
2.07	1-Methoxy-2-propyl acetate
2.1	Acetic acid, butyl ester
2.32	Dodecane, 4,6-dimethyl-
2.34	Octane, 5-ethyl-2-methyl-
2.59	Dodecane, 4,6-dimethyl-
2.72	Octane, 2,6,6-trimethyl-
3.08	2-Isopropyl-5-methyl-1-heptanol
3.14	Octane, 6-ethyl-2-methyl-
3.25	1-Heptanol, 2,4-diethyl-
3.67	Heptane, 2,5,5-trimethyl-
3.95	Dodecane, 4,6-dimethyl-
4.03	Heptane, 2,5,5-trimethyl-
4.63	Isotridecanol-
5.51	Octane, 5-ethyl-2-methyl-
5.57	1-Undecene, 7-methyl-
5.62	Octane, 5-ethyl-2-methyl-
6.19	1-Undecene, 7-methyl-

Sample T

Number of peaks: 129

Number of identified compounds: 88

Ratio of identified peak area: 95.04%

Peak Area [%]	Database comparison
0.02	Benzene, butyl-
0.04	.beta.-Pinene
0.04	2-Bromotetradecane
0.04	2-Bromotetradecane
0.08	4-Decene, 7-methyl-, (E)-
0.08	Heptadecane
0.08	Pentadecane, 2,6,10,14-tetramethyl-
0.08	Tetradecane, 5-methyl-
0.09	Tetradecane, 4-methyl-
0.1	1-Heptanol, 6-methyl-
0.1	Eicosane
0.1	Isotridecanol-
0.11	Dodecane
0.12	Benzene, 1-ethyl-3-(1-methylethyl)-
0.12	Decane, 5-propyl-
0.12	Hexadecane, 1-(ethenyloxy)-
0.14	Heptadecane, 2,6,10,15-tetramethyl-
0.15	1-Butanol, 3-methoxy-
0.15	Dodecane, 4,6-dimethyl-
0.15	Hexadecane, 2,6,10,14-tetramethyl-
0.16	Benzene, 1-methyl-4-(1-methylpropyl)-
0.17	Benzene, 1-methyl-4-(1-methylpropyl)-
0.17	Benzene, pentamethyl-
0.18	1-Hexadecanesulfonyl chloride
0.18	Benzene, 1-ethyl-2,4-dimethyl-
0.19	Decane, 2,8,8-trimethyl-
0.19	Eicosane
0.2	1-Methoxy-2-propyl acetate
0.2	Isotridecanol-
0.22	Heneicosane
0.22	Pentanedioic acid, dimethyl ester
0.23	Benzene, 1,4-diethyl-2-methyl-
0.23	Benzene, 1-ethyl-4-(1-methylethyl)-
0.24	Dodecane, 4,6-dimethyl-
0.25	Heptane, 2,5,5-trimethyl-
0.25	Hexanedioic acid, dimethyl ester
0.27	Dodecane, 4,6-dimethyl-
0.27	Heptane, 2,5,5-trimethyl-
0.28	Benzene, 1-methyl-4-propyl-
0.29	Dodecane, 4,6-dimethyl-

0.31	Dodecane, 4,6-dimethyl-
0.31	Nonane, 5-(1-methylpropyl)-
0.35	Tetradecane, 4-methyl-
0.36	Dodecane, 4,6-dimethyl-
0.37	Nonane, 5-methyl-5-propyl-
0.42	p-Xylene
0.46	Hexadecane, 2,6,11,15-tetramethyl-
0.48	Hexasiloxane, tetradecamethyl-
0.49	Cyclotetrasiloxane, octamethyl-
0.52	Dodecane, 4,6-dimethyl-
0.52	Heptasiloxane, hexadecamethyl-
0.53	Eicosane
0.54	1-Decene, 2,4-dimethyl-
0.54	Hexadecane
0.55	Benzene, 1-ethyl-2,4,5-trimethyl-
0.58	Dodecane, 4,6-dimethyl-
0.67	Benzene, 1,2,3-trimethyl-
0.69	1H-Indene, 2,3-dihydro-5-methyl-
0.69	Cyclopentasiloxane, decamethyl-
0.74	Benzene, 1-ethyl-2,4,5-trimethyl-
0.77	1-Tetradecene
0.77	Benzene, 1-ethyl-2,3-dimethyl-
0.78	1-Undecene, 7-methyl-
0.8	Dodecane, 4,6-dimethyl-
0.82	Benzene, 1-methyl-2-propyl-
0.94	Isotridecanol-
1.07	Eicosane
1.08	Dodecane, 4,6-dimethyl-
1.1	Isotridecanol-
1.19	Benzene, 1-ethyl-2,4,5-trimethyl-
1.19	Dodecane, 4,6-dimethyl-
1.5	1H-Indene, 2,3-dihydro-5-methyl-
1.62	Isotridecanol-
1.69	Dodecane, 4,6-dimethyl-
1.95	Dodecane, 4,6-dimethyl-
1.98	Benzene, 1-ethyl-3,5-dimethyl-
2.06	Heneicosane
2.21	Benzene, 1-ethyl-3,5-dimethyl-
2.21	Octane, 6-ethyl-2-methyl-
2.89	Benzene, 1,2,3,5-tetramethyl-
3.03	Benzene, 1,2,3,4-tetramethyl-
3.14	Octane, 6-ethyl-2-methyl-
4.46	Octane, 6-ethyl-2-methyl-
4.76	Nonane, 5-methyl-5-propyl-
6.86	Benzene, 1,2,4,5-tetramethyl-

8.42	Hexadecane
9.45	2-Cyclohexen-1-one, 3,5,5-trimethyl-
9.88	Octane, 5-ethyl-2-methyl-

Sample U

Number of peaks: 117

Number of identified compounds: 83

Ratio of identified peak area: 96,4%

Peak Area [%]	Database comparison
0.07	Undecane, 3,8-dimethyl-
0.08	Eicosane
0.1	Octadecane
0.1	Tetracosane
0.1	Undecane, 5-methyl-
0.11	Dodecane, 4,6-dimethyl-
0.12	Nonane, 5-methyl-5-propyl-
0.13	Decane, 3-ethyl-3-methyl-
0.14	Octacosane
0.14	Undecane, 3-methyl-
0.16	Undecane, 3,9-dimethyl-
0.18	4-Decene, 7-methyl-, (E)-
0.18	Caprolactam
0.2	Tetracosane
0.21	Dodecane, 2,6,10-trimethyl-
0.22	Heptacosane
0.22	Hexadecane
0.24	2-Undecene, 4,5-dimethyl-, [R*,R*-(E)]-
0.25	Benzene, 1,3-bis(1-methylethyl)-
0.26	Dodecane, 4,6-dimethyl-
0.26	Nonane, 3-methyl-5-propyl-
0.27	Cyclopentasiloxane, decamethyl-
0.27	Hexadecane, 2,6,10,14-tetramethyl-
0.28	Octane, 2,3,6,7-tetramethyl-
0.28	Pentafluoropropionic acid, undecyl ester
0.29	Hexadecane
0.31	2-Isopropyl-5-methyl-1-heptanol
0.31	Decane, 2,8,8-trimethyl-
0.31	Heneicosane
0.33	Cyclopentane, decyl-
0.33	Octadecane
0.35	2-Isopropyl-5-methyl-1-heptanol
0.37	1-Hexadecanesulfonyl chloride
0.39	Hexadecane
0.41	Eicosane
0.43	2-Bromo dodecane
0.44	Dodecane, 4,6-dimethyl-
0.46	p-Xylene
0.5	Hexadecane, 1,1-bis(dodecyloxy)-
0.57	1-Methoxy-2-propyl acetate

0.57	Disulfide, di-tert-dodecyl
0.57	Hexasiloxane, tetradecamethyl-
0.58	Heptane, 2,5,5-trimethyl-
0.63	Isotridecanol-
0.64	2,2,4,4-Tetramethyloctane
0.65	Eicosane
0.68	Undecane
0.71	Octane, 5-ethyl-2-methyl-
0.77	Dodecane, 4,6-dimethyl-
0.78	Dodecane, 4,6-dimethyl-
0.83	Heptasiloxane, hexadecamethyl-
0.88	1-Butanol, 3-methoxy-, acetate
0.91	Dodecane, 4,6-dimethyl-
1	Dodecane, 4,6-dimethyl-
1.01	Dodecane, 4,6-dimethyl-
1.05	Cyclopentanone, 2-methyl-
1.06	Octacosane
1.12	Dodecane, 4,6-dimethyl-
1.26	Heptasiloxane, hexadecamethyl-
1.32	Dodecane, 4,6-dimethyl-
1.36	Dodecane, 4,6-dimethyl-
1.47	Eicosane
1.48	Dodecane, 4,6-dimethyl-
1.51	Undecane, 4-methyl-
1.67	Octane, 5-ethyl-2-methyl-
1.67	Tetradecane
1.84	Eicosane
1.94	2-Undecene, 2,5-dimethyl-
1.95	Dodecane, 4,6-dimethyl-
1.97	Dodecane, 4,6-dimethyl-
2.01	Dodecane, 4,6-dimethyl-
2.04	Octane, 5-ethyl-2-methyl-
2.07	1-Undecene, 7-methyl-
2.32	Dodecane, 4,6-dimethyl-
2.57	Eicosane
3.24	Octane, 5-ethyl-2-methyl-
3.39	Decane, 2,2-dimethyl-
3.94	Dodecane
4.83	Isotridecanol-
5.19	1-Heptanol, 2,4-diethyl-
5.76	Dodecane, 4,6-dimethyl-
6.88	1-Heptanol, 2,4-diethyl-
7.91	Dodecane, 4,6-dimethyl-

Sample V

Number of peaks: 131

Number of identified compounds: 88

Ratio of identified peak area: 95.40%

Peak Area [%]	Database comparison
0.05	Undecane, 2-methyl-
0.06	Cyclododecane
0.07	Undecane, 2,9-dimethyl-
0.09	Hexadecane, 1-iodo-
0.11	1-Undecene, 4-methyl-
0.11	Cyclopentasiloxane, decamethyl-
0.11	Decane, 4-methyl-
0.11	Dodecane
0.11	Heptane, 2,5,5-trimethyl-
0.11	Oxalic acid, 2-ethylhexyl hexyl ester
0.12	Hexadecane, 2,6,10,14-tetramethyl-
0.13	1-Heptanol, 2,4-diethyl-
0.14	Tetradecane, 5-methyl-
0.15	2-Isopropyl-5-methyl-1-heptanol
0.15	Silane, cyclohexyldimethoxymethyl-
0.16	Decane, 3,3,5-trimethyl-
0.16	Hexadecane, 2-methyl-
0.16	Nonacosane
0.17	2,2,4,4-Tetramethyloctane
0.17	2,3-Dimethyldodecane
0.18	Hexadecane, 2,6,10,14-tetramethyl-
0.19	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.19	Hexadecane
0.19	p-Xylene
0.2	Pentadecane, 4-methyl-
0.2	Sulfurous acid, dodecyl pentyl ester
0.21	Acetamide, N,N-dimethyl-
0.24	Dodecane, 4,6-dimethyl-
0.26	2-Isopropyl-5-methyl-1-heptanol
0.26	Tetradecane, 2,5-dimethyl-
0.26	Tetradecane, 5-methyl-
0.27	Heptadecane
0.27	Nonane, 5-(2-methylpropyl)-
0.28	Tetradecane, 4-methyl-
0.29	Heneicosane
0.29	Tetradecane, 2-methyl-
0.31	Sulfurous acid, pentyl undecyl ester
0.34	Hexadecane, 2,6,10,14-tetramethyl-
0.34	Phenol, 2,5-bis(1,1-dimethylethyl)-
0.35	Dodecane, 4,6-dimethyl-

0.37	3-Hexadecene, (Z)-
0.38	1-Heptanol, 2,4-diethyl-
0.38	Pentadecane, 4-methyl-
0.39	Isotridecanol-
0.4	Nonane, 3-methyl-5-propyl-
0.4	Pentadecane, 2,6,10,14-tetramethyl-
0.44	Octane, 2,6,6-trimethyl-
0.45	Hexadecane, 2,6,10,14-tetramethyl-
0.46	Dodecane, 4,6-dimethyl-
0.46	Heptasiloxane, hexadecamethyl-
0.46	Nonane, 5-methyl-5-propyl-
0.47	Decane, 2,8,8-trimethyl-
0.5	2-Decene, 8-methyl-, (Z)-
0.54	Decane, 5-propyl-
0.56	Tetradecane
0.58	Dodecane, 4,6-dimethyl-
0.76	Dodecane, 4-methyl-
0.78	Dodecane, 4,6-dimethyl-
0.79	Heptadecane
0.8	Pentadecane, 8-hexyl-
0.81	4-Decene, 7-methyl-, (E)-
0.94	Decane
0.97	Dodecane, 4,6-dimethyl-
1.01	Octacosane
1.03	Hexasiloxane, tetradecamethyl-
1.06	Dodecane, 4,6-dimethyl-
1.08	Dodecane
1.11	Heptasiloxane, hexadecamethyl-
1.21	Eicosane
1.36	Octane, 5-ethyl-2-methyl-
1.74	Dodecane, 4,6-dimethyl-
2.11	Octane, 2,6,6-trimethyl-
2.2	Dodecane, 4,6-dimethyl-
2.24	Caprolactam
2.33	Dodecane, 4,6-dimethyl-
2.84	Heptane, 2,5,5-trimethyl-
2.92	Hexadecane
3.22	Undecane
3.32	Dodecane, 4,6-dimethyl-
3.39	Undecane, 5-methyl-
3.86	Octane, 5-ethyl-2-methyl-
4.11	Isotridecanol-
4.22	Isotridecanol-
4.43	Dodecane, 4,6-dimethyl-
5.06	1-Decene, 2,4-dimethyl-

5.71	1-Undecene, 7-methyl-
5.94	2-Isopropyl-5-methyl-1-heptanol
7.25	Octane, 5-ethyl-2-methyl-

Sample W

Number of peaks: 130

Number of identified compounds: 92

Ratio of identified peak area: 97.63%

Peak Area [%]	Database comparison
0.02	Cycloheptasiloxane, tetradecamethyl-
0.02	Hexadecane, 1-iodo-
0.03	Decane, 5,6-dimethyl-
0.03	Eicosane
0.03	Nonane, 5-(2-methylpropyl)-
0.04	1-Undecene, 9-methyl-
0.04	Cyclohexane, (1,3-dimethylbutyl)-
0.05	Cyclopentane, 1-butyl-2-propyl-
0.05	Dodecyl trifluoroacetate
0.05	Nonane, 5-(2-methylpropyl)-
0.05	Nonane, 5-butyl-
0.05	Undecane, 3-methyl-
0.07	1-Decanol, 2-hexyl-
0.07	1-Decene, 3,4-dimethyl-
0.07	1-Undecene, 7-methyl-
0.07	Decanal
0.07	Eicosane
0.08	2-Undecene, 2,5-dimethyl-
0.08	Hexadecane, 2,6,11,15-tetramethyl-
0.08	Hexadecane, 2,6,11,15-tetramethyl-
0.08	Pentafluoropropionic acid, pentadecyl ester
0.09	Hexadecane
0.1	Tetracosane
0.11	2-Propenoic acid, 2-methyl-, octyl ester
0.11	2-Undecene, 2,5-dimethyl-
0.11	Eicosane
0.12	p-Xylene
0.13	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.13	2-Isopropyl-5-methyl-1-heptanol
0.13	Cyclotetrasiloxane, octamethyl-
0.13	Eicosane
0.15	p-Dioxane, 2,3-bis(tert-butyloxy)-
0.15	Tetradecane
0.15	Undecane, 3,6-dimethyl-
0.16	Heneicosane
0.16	Hexadecane
0.19	Heneicosane
0.2	Decane, 2,8,8-trimethyl-
0.21	Eicosane
0.22	1-Decene, 3,3,4-trimethyl-

0.23	Dodecane, 4,6-dimethyl-
0.24	Nonane, 5-methyl-5-propyl-
0.25	Octane, 2,6,6-trimethyl-
0.27	Cyclopentasiloxane, decamethyl-
0.3	Dodecane, 2,6,10-trimethyl-
0.31	1-Hexadecanesulfonyl chloride
0.31	Caprolactam
0.33	4-Decene, 7-methyl-, (E)-
0.34	Eicosane
0.38	Hexadecane, 2,6,11,15-tetramethyl-
0.42	Dodecane, 4,6-dimethyl-
0.46	Cyclohexanone
0.46	Dodecane, 4,6-dimethyl-
0.46	Dodecane, 4,6-dimethyl-
0.49	1-Methoxy-2-propyl acetate
0.49	Isotridecanol-
0.55	2-Propenoic acid, 2-ethylhexyl ester
0.59	Dodecane, 4-methyl-
0.64	Eicosane
0.67	Dodecane, 4,6-dimethyl-
0.78	1-Hexadecanesulfonyl chloride
0.82	Dodecane, 4,6-dimethyl-
0.89	Heptasiloxane, hexadecamethyl-
1.01	Dodecane, 4,6-dimethyl-
1.09	Dodecane, 4,6-dimethyl-
1.11	Dodecane, 4,6-dimethyl-
1.15	2,2,4,4-Tetramethyloctane
1.15	Octane, 3,3-dimethyl-
1.29	Eicosane
1.31	Dodecane, 4,6-dimethyl-
1.34	Dodecane, 4,6-dimethyl-
1.46	1,3-Dioxan-5-ol, 4,4,5-trimethyl-
1.53	Octane, 5-ethyl-2-methyl-
1.54	Dodecane, 4,6-dimethyl-
1.71	Undecane, 4-methyl-
1.75	Dodecane, 4,6-dimethyl-
1.8	Hexasiloxane, tetradecamethyl-
1.84	Eicosane
2.44	Octane, 5-ethyl-2-methyl-
2.52	Eicosane
2.58	1-Undecene, 7-methyl-
2.92	1-Undecene, 7-methyl-
2.92	Undecane
3.53	1-Heptanol, 2,4-diethyl-
3.53	Isotridecanol-

4.06	Dodecane
4.22	Undecane, 5-methyl-
4.49	1-Heptanol, 2,4-diethyl-
4.67	Dodecane, 4,6-dimethyl-
4.89	Octane, 5-ethyl-2-methyl-
8.44	Dodecane, 4,6-dimethyl-
10.78	Decane, 2,2-dimethyl-

Sample X

Number of peaks: 111

Number of identified compounds: 81

Ratio of identified peak area: 98.11%

Peak Area [%]	Database comparison
0.05	Cyclooctane, (1-methylpropyl)-
0.05	Dodecane, 2,6,11-trimethyl-
0.07	1-Undecene, 7-methyl-
0.07	Cyclopentasiloxane, decamethyl-
0.07	Eicosane
0.07	Isodecyl methacrylate
0.08	Decanal
0.09	2,2,4,4-Tetramethyloctane
0.09	Decane
0.09	p-Dioxane, 2,3-bis(tert-butyloxy)-
0.09	Tetradecane, 5-methyl-
0.09	Undecane
0.1	Heneicosane
0.1	Heptadecane
0.1	Hexadecane
0.1	Tetradecane
0.1	Tridecane, 5-propyl-
0.11	Ethanol, 2-(1,1-dimethylethoxy)-
0.12	1-Methoxy-2-propyl acetate
0.12	1-Undecene, 4-methyl-
0.12	Acetic acid, butyl ester
0.12	Tetradecane, 4-methyl-
0.13	Octane, 2,6,6-trimethyl-
0.14	4-Butoxy-2-butanone
0.14	Decane, 2,8,8-trimethyl-
0.14	Pentadecane, 2,6,10,14-tetramethyl-
0.15	Dodecane, 4,6-dimethyl-
0.15	Pentadecane
0.17	Hexadecane, 1-iodo-
0.18	Benzene, (1-methylethyl)-
0.21	2-Undecene, 2,5-dimethyl-
0.21	Tetradecane
0.22	Tridecane, 6-methyl-
0.23	Octane, 2,4,6-trimethyl-
0.25	1,1,4-Trimethylcyclohexane
0.26	Cycloheptasiloxane, tetradecamethyl-
0.29	Octane, 2,6,6-trimethyl-
0.3	Dodecane, 4,6-dimethyl-
0.3	Dodecane, 4,6-dimethyl-
0.3	Dodecane, 4,6-dimethyl-

0.31	Phenol, 2,4-bis(1,1-dimethylethyl)-
0.32	Eicosane
0.37	Isotridecanol-
0.42	Heptadecane
0.43	Cyclopentanone, 2-methyl-
0.46	Dodecane
0.54	Hexasiloxane, tetradecamethyl-
0.55	Heptasiloxane, hexadecamethyl-
0.57	Dodecane, 4-methyl-
0.62	Tetradecyl trifluoroacetate
0.64	Dodecane, 4,6-dimethyl-
0.73	4-Decene, 7-methyl-, (E)-
0.73	Dodecane, 4,6-dimethyl-
0.78	2-Isopropyl-5-methyl-1-heptanol
0.8	Eicosane
0.86	Dodecane, 4,6-dimethyl-
0.9	Eicosane
0.96	Heneicosane
0.98	Dodecane, 4,6-dimethyl-
1.22	Dodecane, 4,6-dimethyl-
1.28	Dodecane, 4,6-dimethyl-
1.36	Dodecane, 4,6-dimethyl-
1.37	Dodecane, 4,6-dimethyl-
1.59	Dodecane, 4,6-dimethyl-
2.08	Acetamide, N,N-dimethyl-
2.15	Octane, 2,3,6,7-tetramethyl-
2.45	Heptane, 2,5,5-trimethyl-
2.53	Isotridecanol-
2.64	1-Heptanol, 2,4-diethyl-
3.28	Dodecane, 4,6-dimethyl-
3.39	Nonane, 2,6-dimethyl-
3.56	1-Undecene, 7-methyl-
3.79	1-Heptanol, 2,4-diethyl-
3.98	Octane, 5-ethyl-2-methyl-
4.19	1-Undecene, 7-methyl-
4.39	Caprolactam
4.53	Nonane, 2,6-dimethyl-
5.49	p-Xylene
5.78	Dodecane, 4,6-dimethyl-
8.11	Octane, 5-ethyl-2-methyl-
11.21	Octane, 5-ethyl-2-methyl-

Sample Y

Number of peaks: 105

Number of identified compounds: 73

Ratio of identified peak area: 94.53%

Peak Area [%]	Database comparison
0.08	Decane, 2,3,8-trimethyl-
0.09	Dodecane, 2,6,10-trimethyl-
0.09	Oxygen
0.14	2-Undecene, 2,5-dimethyl-
0.14	Tetratetracontane
0.15	2-Undecene, 7-methyl-
0.16	Hexadecane, 2-methyl-
0.16	Tetradecane, 4-methyl-
0.2	Nonane, 5-butyl-
0.2	Tetradecane, 4-methyl-
0.21	2-Isopropyl-5-methyl-1-heptanol
0.21	2-Undecene, 4,5-dimethyl-, [R*,R*-(E)-]
0.23	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.23	Nonane, 5-(2-methylpropyl)-
0.24	Trichloroacetic acid, hexadecyl ester
0.25	1-Hexanol, 2-ethyl-
0.25	Pentadecane, 2,6,10,14-tetramethyl-
0.26	Decane, 2,2-dimethyl-
0.26	Decane, 5-propyl-
0.26	Hexadecane, 2,6,11,15-tetramethyl-
0.28	Caprolactam
0.28	Hexadecane
0.3	Undecane, 4,7-dimethyl-
0.35	1-Octanol, 2-butyl-
0.38	Eicosane
0.4	Decanal
0.4	Pentadecane, 2,6,10,14-tetramethyl-
0.42	1-Tricosene
0.42	Cyclopentasiloxane, decamethyl-
0.43	Octane, 6-ethyl-2-methyl-
0.44	Dodecane, 4,6-dimethyl-
0.47	Decane, 2,8,8-trimethyl-
0.49	Undecane
0.5	Decane, 3,3,8-trimethyl-
0.5	Dodecane, 4,6-dimethyl-
0.53	Dodecane, 4,6-dimethyl-
0.6	Octane, 2,3,6,7-tetramethyl-
0.61	Pentadecane, 2,6,10-trimethyl-
0.63	1-Methoxy-2-propyl acetate
0.76	Dodecane, 4,6-dimethyl-

0.76	Eicosane
0.77	Eicosane
0.8	Sulfurous acid, dodecyl pentyl ester
0.82	Eicosane
0.89	Dodecane, 4-methyl-
0.9	Dodecane, 4,6-dimethyl-
0.92	Dodecane, 4,6-dimethyl-
0.92	Dodecane, 4,6-dimethyl-
0.98	Isotridecanol-
1	1-Hexadecanesulfonyl chloride
1.03	Tetradecane
1.11	1-Butanol, 3-methoxy-
1.12	Octane, 5-ethyl-2-methyl-
1.13	Hexadecane
1.19	Dodecane, 4,6-dimethyl-
1.21	Heptasiloxane, hexadecamethyl-
1.44	Sulfurous acid, pentyl tridecyl ester
1.71	Dodecane, 4,6-dimethyl-
1.8	2-Isopropyl-5-methyl-1-heptanol
1.83	Eicosane
1.86	Dodecane, 4,6-dimethyl-
1.87	Dodecane
2.27	Eicosane
2.5	Dodecane, 4,6-dimethyl-
2.67	Dodecane, 4,6-dimethyl-
2.72	Dodecane, 4,6-dimethyl-
3.43	Isotridecanol-
3.89	Isotridecanol-
3.96	Eicosane
4.62	Isotridecanol-
7.21	Dodecane, 4,6-dimethyl-
7.73	Eicosane
14.47	Dodecane, 4,6-dimethyl-

Sample Z

Number of peaks: 146

Number of identified compounds: 98

Ratio of identified peak area: 96.61%

Peak Area [%]	Database comparison
0.04	Dodecane, 4-methyl-
0.04	Tridecane, 4-methyl-
0.06	Octanal
0.06	Undecane
0.07	1-Heptanol, 2,4-diethyl-
0.07	1-Undecene, 7-methyl-
0.07	Octacosane
0.07	Octane, 2,4,6-trimethyl-
0.08	Decane, 4-ethyl-
0.08	Undecane, 2-methyl-
0.09	Cyclododecane
0.09	Cyclotetrasiloxane, octamethyl-
0.09	Decane, 5,6-dimethyl-
0.1	Decane, 4-methyl-
0.11	Hexadecane, 2,6,11,15-tetramethyl-
0.11	Pentadecane, 7-methyl-
0.12	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.13	Dodecane, 4,6-dimethyl-
0.13	Octacosane
0.13	Pentadecane
0.13	Undecane, 2,3-dimethyl-
0.14	Hexadecane, 2,6,11,15-tetramethyl-
0.14	Tetradecanal
0.15	Hexadecane
0.15	Silane, cyclohexyldimethoxymethyl-
0.16	Decane, 4-methyl-
0.16	Hexadecane
0.16	Hexadecane, 1-iodo-
0.16	Sulfurous acid, hexyl pentadecyl ester
0.17	Tetratriacontane
0.18	Cycloheptasiloxane, tetradecamethyl-
0.18	Tetradecane, 4-methyl-
0.21	1-Heptanol, 2,4-diethyl-
0.21	Pentadecane, 2,6,10,14-tetramethyl-
0.23	Decane, 5-propyl-
0.23	Eicosane
0.23	Eicosane
0.26	Octane, 2,6,6-trimethyl-
0.27	3-Tridecene, (Z)-
0.27	Decane, 2,8,8-trimethyl-

0.3	3-Octanol, 3,7-dimethyl-
0.3	Eicosane
0.3	Undecane
0.31	Acetamide, N,N-dimethyl-
0.31	Tetradecane, 2-methyl-
0.32	Heptadecane
0.33	1-Butanol, 3-methoxy-, acetate
0.35	1-Octene, 3,7-dimethyl-
0.35	Nonane, 5-(2-methylpropyl)-
0.4	Decane, 2,8,8-trimethyl-
0.41	Undecane, 3-methyl-
0.44	Hexadecane
0.44	Hexadecane
0.5	Isotridecanol-
0.51	Phenol, 2,4-bis(1,1-dimethylethyl)-
0.53	1-Tetradecanol
0.54	Dodecane, 4,6-dimethyl-
0.55	Cyclopentasiloxane, decamethyl-
0.57	Dodecane, 4,6-dimethyl-
0.57	Isotridecanol-
0.61	Dodecane, 4,6-dimethyl-
0.61	Eicosane
0.62	Dodecane, 4,6-dimethyl-
0.86	Dodecane, 4,6-dimethyl-
0.87	Acetic acid, butyl ester
0.91	Tetradecane
1	1-Decanol, 2-hexyl-
1.07	Dodecane, 4,6-dimethyl-
1.08	Dodecane, 4,6-dimethyl-
1.08	Heptasiloxane, hexadecamethyl-
1.1	Dodecane, 4,6-dimethyl-
1.12	Dodecane, 4,6-dimethyl-
1.34	Undecane, 4-methyl-
1.4	Heptane, 2,5,5-trimethyl-
1.4	Nonane, 2,6-dimethyl-
1.45	Dodecane, 4,6-dimethyl-
1.47	Decane
1.47	Dodecane, 4,6-dimethyl-
1.53	Dodecane, 4,6-dimethyl-
1.54	Eicosane
1.54	Hexasiloxane, tetradecamethyl-
1.7	Dodecane, 4,6-dimethyl-
1.75	Eicosane
2.05	1-Undecene, 7-methyl-
2.05	Octane, 6-ethyl-2-methyl-

2.15	Eicosane
2.4	1-Undecene, 7-methyl-
2.49	Dodecane
2.52	Octane, 6-ethyl-2-methyl-
3.16	Isotridecanol-
3.18	1-Undecene, 7-methyl-
3.25	Caprolactam
4.03	1-Methoxy-2-propyl acetate
4.36	1-Undecene, 7-methyl-
4.43	Dodecane, 4,6-dimethyl-
5.19	Octane, 6-ethyl-2-methyl-
5.79	Octane, 5-ethyl-2-methyl-
8.18	Hexadecane

Sample AA

Number of peaks: 94

Number of identified compounds: 65

Ratio of identified peak area: 90.98%

Peak Area [%]	Database comparison
0.1	Octane, 6-ethyl-2-methyl-
0.11	Triacontane, 1-bromo-
0.14	Cyclotetrasiloxane, octamethyl-
0.14	Decane, 3,3,8-trimethyl-
0.14	Octanal
0.15	Pentadecane, 2,6,10,14-tetramethyl-
0.16	Octadecane, 1-iodo-
0.19	1-Pentadecene
0.21	Hexadecane
0.21	Octane, 2,3,6,7-tetramethyl-
0.24	Tetradecane, 4-methyl-
0.26	Hexadecane, 2,6,11,15-tetramethyl-
0.27	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.27	Octane, 1,1'-oxybis-
0.28	Octane, 6-ethyl-2-methyl-
0.29	Decane, 2,2-dimethyl-
0.29	Nonane, 5-butyl-
0.31	5,5-Dibutylnonane
0.36	Hexasiloxane, tetradecamethyl-
0.36	Nonane, 5-butyl-
0.38	1-Methoxy-2-propyl acetate
0.39	Dodecane, 2,6,10-trimethyl-
0.4	Cyclopentane, undecyl-
0.4	Dodecane, 4,6-dimethyl-
0.4	Octane, 2,3,6,7-tetramethyl-
0.41	1-Decanol, 2-hexyl-
0.41	Dodecane, 4,6-dimethyl-
0.42	Decane, 2,8,8-trimethyl-
0.49	Hexadecane, 1,1-bis(dodecyloxy)-
0.52	Dodecane, 4,6-dimethyl-
0.63	Dodecane, 4,6-dimethyl-
0.63	Octadecane
0.68	Eicosane
0.72	Eicosane
0.82	Decanal
0.86	1-Tridecene
0.87	Eicosane
0.88	Cyclopentasiloxane, decamethyl-
0.93	Dodecane, 4,6-dimethyl-
0.96	Caprolactam

1.1	Cyclohexane, 1-ethyl-2-propyl-
1.15	Undecane, 2,5-dimethyl-
1.23	Nonane, 5-(2-methylpropyl)-
1.31	1-Hexadecanol, 3,7,11,15-tetramethyl-
1.44	Dodecane, 4,6-dimethyl-
1.51	Undecane
1.52	Dodecane, 4,6-dimethyl-
1.54	Eicosane
1.66	Tetradecane
1.67	Pentadecane
1.83	1-Butanol, 3-methoxy-
2.02	Sulfurous acid, pentyl tridecyl ester
2.12	Heptasiloxane, hexadecamethyl-
2.21	Isotridecanol-
2.48	Dodecane, 4,6-dimethyl-
2.73	Eicosane
2.82	Dodecane, 4,6-dimethyl-
2.94	1-Undecene, 7-methyl-
3.06	2-Isopropyl-5-methyl-1-heptanol
4.07	Eicosane
4.37	Dodecane
5.68	Heptadecane
5.8	Eicosane
6.94	Dodecane, 4,6-dimethyl-
11.1	Dodecane, 2,6,11-trimethyl-

Sample AB

Number of peaks: 108

Number of identified compounds: 66

Ratio of identified peak area: 91.16%

Peak Area [%]	Database comparison
0.1	Cyclotetrasiloxane, octamethyl-
0.1	Dodecane, 4-methyl-
0.11	Cyclododecane
0.12	Octanal
0.13	Decane, 2,3,8-trimethyl-
0.14	Tetradecane, 4-methyl-
0.2	Octane, 5-ethyl-2-methyl-
0.28	Undecane, 4-methyl-
0.29	Eicosane
0.32	1-Hexanol, 2-ethyl-
0.33	Octane, 6-ethyl-2-methyl-
0.35	trans-2-Dodecen-1-ol
0.44	1-Methoxy-2-propyl acetate
0.44	2-Propenoic acid, 2-ethylhexyl ester
0.44	Eicosane
0.44	Sulfurous acid, pentadecyl pentyl ester
0.45	Dodecane, 4,6-dimethyl-
0.45	Hexadecane
0.46	Hexasiloxane, tetradecamethyl-
0.48	Cyclotetracosane
0.48	Dodecane, 4-methyl-
0.49	Cyclopentasiloxane, decamethyl-
0.51	Octane, 2,3,6,7-tetramethyl-
0.61	Tetradecane, 5-methyl-
0.62	Tetradecane, 4-methyl-
0.67	Decanal
0.69	Isotridecanol-
0.69	Tridecyl heptafluorobutyrate
0.7	Dodecane, 4,6-dimethyl-
0.74	Decane, 5-propyl-
0.75	Dodecane, 4,6-dimethyl-
0.8	Hexadecane
0.82	Sulfurous acid, pentyl undecyl ester
0.86	Decane, 5-propyl-
0.86	Undecane, 2,5-dimethyl-
0.89	Dodecane, 4,6-dimethyl-
0.9	Phenol, 2,4-bis(1,1-dimethylethyl)-
0.93	Dodecane, 4,6-dimethyl-
1.01	Pentadecane, 2,6,10,14-tetramethyl-
1.05	Heptadecane, 8-methyl-

1.06	Tetradecane, 2-methyl-
1.1	Undecane
1.2	Eicosane
1.21	1-Butanol, 3-methoxy-
1.28	Dodecane, 4,6-dimethyl-
1.4	Sulfurous acid, pentyl tridecyl ester
1.52	Dodecane, 4-methyl-
1.58	Hexadecane
1.62	Dodecane, 4,6-dimethyl-
1.68	1-Dodecanol
1.86	Eicosane
1.88	Dodecane, 4,6-dimethyl-
1.89	Heptasiloxane, hexadecamethyl-
1.98	Dodecane, 4,6-dimethyl-
1.98	Octacosane
2.15	Tetradecane
2.17	Hexadecane
2.75	Isotridecanol-
3.07	Dodecane
3.11	1-Undecene, 7-methyl-
3.31	Caprolactam
3.33	Isotridecanol-
3.59	Hexadecane, 2,6,11,15-tetramethyl-
5.46	Dodecane, 4,6-dimethyl-
6.71	Eicosane
11.13	Hexadecane

Sample AC

Number of peaks: 106

Number of identified compounds: 76

Ratio of identified peak area: 95.57%

Peak Area [%]	Database comparison
0.09	Decane, 3,3,4-trimethyl-
0.09	Oxygen
0.1	Decane, 2,3,8-trimethyl-
0.11	Oxalic acid, bis(6-ethyloct-3-yl) ester
0.12	Cyclododecane
0.14	Cyclopentasiloxane, decamethyl-
0.16	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.17	Nonacosane
0.18	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.18	Heneicosane
0.19	Nonane, 3-methyl-
0.2	Decane, 3-ethyl-3-methyl-
0.21	1-Hexadecanesulfonyl chloride
0.21	1-Octanol, 2,7-dimethyl-
0.21	Pentadecane, 2,6,10,14-tetramethyl-
0.21	p-Xylene
0.25	Dodecanal
0.25	Eicosane
0.26	Decanal
0.26	Octane, 5-ethyl-2-methyl-
0.3	Tetratriacontane
0.31	Heneicosane
0.36	Tetradecane, 4-methyl-
0.37	Benzene, 3-cyclohexen-1-yl-
0.38	1-Undecene, 9-methyl-
0.38	Heptafluorobutanoic acid, heptadecyl ester
0.38	Hexadecane
0.4	3-Eicosene, (E)-
0.41	Caprolactam
0.43	Octane, 2,6,6-trimethyl-
0.51	2-Bromo dodecane
0.52	Decane, 5-propyl-
0.55	Hexasiloxane, tetradecamethyl-
0.56	Heptadecyl heptafluorobutyrate
0.58	Hexadecane, 2,6,10,14-tetramethyl-
0.59	Nonane, 2,6-dimethyl-
0.59	Pentadecane, 7-methyl-
0.62	Dodecane, 4,6-dimethyl-
0.62	Octane, 5-ethyl-2-methyl-
0.65	1-Decene, 2,4-dimethyl-

0.65	1-Methoxy-2-propyl acetate
0.65	Undecane
0.72	1-Undecene, 7-methyl-
0.77	Dodecane, 4,6-dimethyl-
0.83	Dodecane, 4,6-dimethyl-
0.88	Isotridecanol-
0.9	Dodecane, 4-methyl-
0.91	Phenol, 2,5-bis(1,1-dimethylethyl)-
0.93	1-Butanol, 3-methoxy-
0.98	Octane, 6-ethyl-2-methyl-
0.98	Tetradecane
0.99	Nonane, 5-methyl-5-propyl-
1.1	Heptasiloxane, hexadecamethyl-
1.19	Dodecane, 4,6-dimethyl-
1.37	Dodecane, 4,6-dimethyl-
1.38	Dodecane, 4,6-dimethyl-
1.38	Dodecane, 4,6-dimethyl-
1.39	Dodecane, 4,6-dimethyl-
1.44	1-Heptanol, 2,4-diethyl-
1.59	Dodecane, 4,6-dimethyl-
1.65	Sulfurous acid, pentyl tridecyl ester
1.84	Dodecane, 4,6-dimethyl-
2.03	Dodecane, 4,6-dimethyl-
2.08	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl- 1,3-propanediyl ester
2.24	Eicosane
2.26	1-Hexadecanesulfonyl chloride
2.33	Dodecane, 4,6-dimethyl-
2.48	Dodecane
2.81	Octacosane
3.04	Eicosane
3.28	Heptasiloxane, hexadecamethyl-
4.17	Dodecane, 4,6-dimethyl-
6.12	Hexadecane
7.51	2-Isopropyl-5-methyl-1-heptanol
7.63	Isotridecanol-
9.97	Isotridecanol-

Sample AD

Number of peaks: 97

Number of identified compounds: 70

Ratio of identified peak area: 94.93%

Peak Area [%]	Database comparison
0.13	1-Butanol, 3-methoxy-, acetate
0.14	Sulfurous acid, dodecyl hexyl ester
0.15	Dodecane, 2-methyl-
0.19	Cyclotetrasiloxane, octamethyl-
0.19	Oxygen
0.21	Nonane, 5-methyl-5-propyl-
0.22	Dodecane, 4-methyl-
0.22	Eicosane
0.24	Tetradecane, 4-methyl-
0.27	Benzeneethanol, .alpha.,.beta.-dimethyl-
0.3	Heptane, 2,2,4-trimethyl-
0.31	1-Octanol, 2-methyl-
0.33	7-Tetradecene
0.33	Eicosane
0.33	Octane, 5-ethyl-2-methyl-
0.34	Cyclopentane, nonyl-
0.35	Eicosane
0.35	Isopropyl Palmitate
0.41	1-Undecene, 7-methyl-
0.41	Sulfurous acid, pentyl undecyl ester
0.43	Eicosane
0.43	Heptasiloxane, hexadecamethyl-
0.44	Octane, 6-ethyl-2-methyl-
0.49	Hexadecane
0.51	1-Undecene, 7-methyl-
0.55	Decane, 2,8,8-trimethyl-
0.62	Hexasiloxane, tetradecamethyl-
0.63	2-Propenoic acid, 2-ethylhexyl ester
0.63	Disulfide, di-tert-dodecyl
0.65	Decanal
0.67	Decane, 3,3,8-trimethyl-
0.72	Dodecane, 4,6-dimethyl-
0.73	Heneicosane
0.78	Hexadecane
0.85	Dodecane, 4-methyl-
0.85	Octane, 5-ethyl-2-methyl-
0.87	3,5-Dimethyldodecane
0.93	Octane, 2,3,6,7-tetramethyl-
0.94	Dodecane, 4,6-dimethyl-
0.97	Decane, 3,3,6-trimethyl-

1.05	Cyclopentasiloxane, decamethyl-
1.11	Caprolactam
1.13	Dodecane, 4,6-dimethyl-
1.13	Dodecane, 4,6-dimethyl-
1.15	Cycloheptasiloxane, tetradecamethyl-
1.23	Heptasiloxane, hexadecamethyl-
1.23	Nonane, 5-methyl-5-propyl-
1.24	Nonane, 5-methyl-5-propyl-
1.25	1-Hexadecanesulfonyl chloride
1.27	Dodecane, 4,6-dimethyl-
1.35	Isotridecanol-
1.37	Benzene, 1,1'-(1,1,2,2-tetramethyl-1,2-ethanediyl)bis-
1.45	Sulfurous acid, pentadecyl pentyl ester
1.5	Dodecane, 4,6-dimethyl-
1.52	Dodecane, 4,6-dimethyl-
1.53	Undecane
1.8	Tetradecane
1.99	1-Methoxy-2-propyl acetate
1.99	Hexadecane
2.27	1-Decanol, 2-hexyl-
3.06	Eicosane
3.12	1-Butanol, 3-methoxy-
3.57	Isotridecanol-
3.59	Heptadecane
3.84	Hexadecane
3.9	Dodecane
3.96	1-Undecene, 7-methyl-
5.2	Dodecane, 4,6-dimethyl-
8.33	1-Heptanol, 2,4-diethyl-
8.69	Hexadecane

Sample AE

Number of peaks: 113

Number of identified compounds: 81

Ratio of identified peak area: 97.01%

Peak Area [%]	Database comparison
0.04	Dodecane, 2-methyl-
0.05	Undecane, 3-methyl-
0.06	Nonane, 2,5-dimethyl-
0.06	Octane, 3-methyl-
0.08	Benzaldehyde
0.08	Heptane, 2,5,5-trimethyl-
0.08	Hexane, 2,2,5-trimethyl-
0.08	Undecane, 2-methyl-
0.09	Oxalic acid, 6-ethyloct-3-yl isohexyl ester
0.09	Undecane
0.1	Heptane, 2,5,5-trimethyl-
0.11	Sulfurous acid, pentyl undecyl ester
0.12	Nonane, 5-(2-methylpropyl)-
0.12	Octane, 2,3,6,7-tetramethyl-
0.12	Tetradecane, 4-methyl-
0.14	Hexasiloxane, tetradecamethyl-
0.15	Dodecane, 4,6-dimethyl-
0.15	Dodecane, 4,6-dimethyl-
0.15	Eicosane
0.15	Tetradecane, 4-methyl-
0.16	Dodecane, 2,7,10-trimethyl-
0.16	Hexadecane, 2,6,10,14-tetramethyl-
0.16	Nonacosane
0.16	Tetradecane, 2-methyl-
0.16	Tetradecane, 5-methyl-
0.17	Octadecanal
0.18	p-Xylene
0.19	7-Tetradecene
0.2	1-Dodecene
0.2	Heptasiloxane, hexadecamethyl-
0.2	Undecane, 3,8-dimethyl-
0.21	Heptadecane
0.21	Hexadecane
0.22	Pentadecane, 7-methyl-
0.23	Hexadecane
0.24	Sulfurous acid, nonyl 2-pentyl ester
0.25	Eicosane
0.26	Octadecane
0.29	Decanal
0.3	Cyclotetrasiloxane, octamethyl-

0.32	Hexadecane
0.34	Dodecane, 4,6-dimethyl-
0.39	Dodecane, 4,6-dimethyl-
0.45	Nonane, 5-methyl-5-propyl-
0.47	Dodecane, 4-methyl-
0.49	Tetradecane
0.5	1-Heptanol, 6-methyl-
0.58	Sulfurous acid, dodecyl pentyl ester
0.6	Cyclopentasiloxane, decamethyl-
0.62	Eicosane
0.64	Hexadecane
0.66	Heptadecane
0.73	Caprolactam
0.74	Undecane
0.77	Acetamide, N,N-dimethyl-
0.78	Dodecane, 4,6-dimethyl-
0.81	1-Methoxy-2-propyl acetate
0.86	Heptane, 2,5,5-trimethyl-
0.97	Dodecane, 4,6-dimethyl-
1.05	1-Butanol, 3-methoxy-
1.1	Dodecane, 4,6-dimethyl-
1.25	Nonane, 2,6-dimethyl-
1.28	Isotridecanol-
1.41	Isotridecanol-
1.66	Dodecane
1.67	Dodecane, 4,6-dimethyl-
1.69	1-Decene, 2,4-dimethyl-
1.71	Hexadecane, 2,6,11,15-tetramethyl-
1.73	Dodecane, 4,6-dimethyl-
1.73	Octane, 2,3,6,7-tetramethyl-
1.79	Isotridecanol-
2.13	1-Undecene, 7-methyl-
2.27	Dodecane, 4,6-dimethyl-
2.65	Dodecane, 4,6-dimethyl-
2.93	Heneicosane
4.05	Octane, 6-ethyl-2-methyl-
4.81	Octane, 6-ethyl-2-methyl-
5.69	Dodecane, 4,6-dimethyl-
8.81	Octane, 6-ethyl-2-methyl-
13.24	Hexadecane
14.47	Octane, 5-ethyl-2-methyl-

Sample AF

Number of peaks: 120

Number of identified compounds: 89

Ratio of identified peak area: 98.18%

Peak Area [%]	Database comparison
0.03	Heptadecane
0.04	Cyclopentane, decyl-
0.04	Dodecanal
0.04	Heneicosane
0.04	Nonane, 3-methyl-5-propyl-
0.05	1-Undecene, 7-methyl-
0.05	3-Tetradecene, (E)-
0.05	Dodecane, 4,6-dimethyl-
0.05	Eicosane
0.05	Undecane, 3,8-dimethyl-
0.06	Cyclopentasiloxane, decamethyl-
0.06	Dodecane, 4-methyl-
0.06	Eicosane
0.06	Tetradecane
0.07	Benzene, 1,1'-(1,1,2,2-tetramethyl-1,2-ethanediyl)bis-
0.07	Propanoic acid, 2-methyl-, octyl ester
0.08	2,2,4,4-Tetramethyloctane
0.09	Decane, 5,6-dimethyl-
0.09	Decyl trifluoroacetate
0.09	Dodecane, 4,6-dimethyl-
0.09	Dodecane, 4,6-dimethyl-
0.09	p-Xylene
0.1	1-Undecene, 4-methyl-
0.1	Decane, 4-methyl-
0.1	Eicosane
0.1	Hexadecane
0.14	Decanal
0.15	Eicosane
0.16	Tetradecane
0.17	Dodecane, 4,6-dimethyl-
0.18	1-Hexadecanesulfonyl chloride
0.18	Eicosane
0.18	Tetradecane
0.21	Heneicosane
0.21	Undecane, 3,7-dimethyl-
0.22	Decane, 2,8,8-trimethyl-
0.22	Dodecane, 4,6-dimethyl-
0.23	Dodecane, 4,6-dimethyl-
0.23	Dodecane, 4,6-dimethyl-
0.24	Undecane

0.25	Dodecane, 4,6-dimethyl-
0.25	Hexane, 2,3,4-trimethyl-
0.25	Isotridecanol-
0.26	Eicosane
0.27	Decane
0.31	Caprolactam
0.31	Decane, 2,9-dimethyl-
0.31	Tetradecane
0.33	Decane, 3,3,5-trimethyl-
0.33	Undecane
0.37	1,3-Dioxolane-2-acetic acid, 2,4-dimethyl-, ethyl ester
0.38	Undecane
0.47	Hexadecane, 2,6,11,15-tetramethyl-
0.48	Eicosane
0.5	Dodecane, 4,6-dimethyl-
0.53	Dodecane, 4,6-dimethyl-
0.57	Hexasiloxane, tetradecamethyl-
0.58	Heptadecane
0.59	1,3-Dioxolane-2-acetic acid, 2,4-dimethyl-, ethyl ester
0.62	Undecane
0.65	Eicosane
0.76	Dodecane, 4,6-dimethyl-
0.83	Dodecane, 4,6-dimethyl-
1.01	Acetic acid, 3-methoxy-2-butyl ester
1.17	Heptane, 2,5,5-trimethyl-
1.17	Octane, 6-ethyl-2-methyl-
1.18	Acetic acid, butyl ester
1.18	Dodecane
1.19	Dodecane, 4-methyl-
1.2	Eicosane
1.37	Dodecane, 4,6-dimethyl-
1.42	Isotridecanol-
1.5	Isotridecanol-
1.55	Dodecane, 4,6-dimethyl-
1.64	1-Methoxy-2-propyl acetate
1.78	Dodecane, 4,6-dimethyl-
1.78	Isotridecanol-
1.8	1-Undecene, 7-methyl-
1.96	Dodecane, 4,6-dimethyl-
2.01	Dodecane, 4,6-dimethyl-
2.29	Eicosane
2.53	Octane, 2,3,6,7-tetramethyl-
2.82	1-Undecene, 7-methyl-
4.05	Dodecane, 4,6-dimethyl-
5.05	Octane, 6-ethyl-2-methyl-

6.37	Octane, 6-ethyl-2-methyl-
9.03	Octane, 6-ethyl-2-methyl-
9.25	Dodecane, 4,6-dimethyl-
17.21	Octane, 6-ethyl-2-methyl-

Sample AG

Number of peaks: 137

Number of identified compounds: 88

Ratio of identified peak area: 87.32%

Peak Area [%]	Database comparison
0.04	Undecane. 2-methyl-
0.05	1-Butanol. 3-methoxy-. acetate
0.05	4-Decene. 7-methyl-. (E)-
0.05	Oxygen
0.06	Heptadecane
0.08	1H-Indene. 2.3-dihydro-4-methyl-
0.1	Cyclopentasiloxane. decamethyl-
0.11	Cyclopropane. nonyl-
0.11	Heneicosane
0.12	2.5-Cyclohexadiene-1.4-dione. 2.6-bis(1.1-dimethylethyl)-
0.12	Pentatriacontane
0.14	2-Undecene. 2.5-dimethyl-
0.14	Dodecane. 4.6-dimethyl-
0.14	Pentadecane
0.14	Pentadecane. 2.6.10.14-tetramethyl-
0.18	Benzene. 1.2.3.5-tetramethyl-
0.19	Benzene. 1-ethyl-2.4.5-trimethyl-
0.22	Dodecane. 3-methyl-
0.22	Pentadecane. 2.6.10.14-tetramethyl-
0.22	p-Xylene
0.22	Undecane. 5-methyl-
0.24	Cyclopropane. 1.1-dimethyl-2-(3-methyl-1.3-butadienyl)-
0.24	Heptane. 2.5.5-trimethyl-
0.29	1H-Indene. 2.3-dihydro-4-methyl-
0.31	Undecane. 3-methyl-
0.32	Octane. 5-ethyl-2-methyl-
0.33	Disulfide. di-tert-dodecyl
0.33	Tridecane. 4-methyl-
0.37	Tetradecane. 2-methyl-
0.38	5-Tridecene. (E)-
0.38	Oxirane. hexadecyl-
0.4	Octane. 2.3.6-trimethyl-
0.41	Dodecane. 4.6-dimethyl-
0.42	Benzene. 1-ethyl-2.4.5-trimethyl-
0.49	1-Methoxy-2-propyl acetate
0.54	Undecane
0.55	Phenol. 3.5-bis(1.1-dimethylethyl)-
0.62	Octane. 6-ethyl-2-methyl-
0.64	2-Isopropyl-5-methyl-1-heptanol
0.64	Tetradecane. 3-methyl-

0.65	Heptasiloxane. hexadecamethyl-
0.65	Nonane. 5-methyl-5-propyl-
0.68	Benzene. 1.2.3.4-tetramethyl-
0.68	Oxalic acid. 6-ethyloct-3-yl heptyl ester
0.69	1-Hexadecanesulfonyl chloride
0.72	2-Bromo dodecane
0.74	Hexadecane
0.74	Octane. 2.3.6.7-tetramethyl-
0.78	1-Butanol. 3-methoxy-
0.82	Tetradecane. 5-methyl-
0.87	Dodecane. 4.6-dimethyl-
0.89	Nonane. 5-methyl-5-propyl-
0.91	Tetradecanal
0.92	Hexadecane. 2.6.10.14-tetramethyl-
0.95	Dodecane. 4-methyl-
0.97	1-Octanol. 2.7-dimethyl-
0.98	1-Undecene. 7-methyl-
1	Hexadecane
1.07	Tetradecane. 4-methyl-
1.08	Dodecane. 4.6-dimethyl-
1.09	Isotridecanol-
1.14	Octane. 5-ethyl-2-methyl-
1.16	Decane. 2.8.8-trimethyl-
1.2	Tetradecane
1.24	Caprolactam
1.26	Dodecane. 4.6-dimethyl-
1.28	Heptasiloxane. hexadecamethyl-
1.29	Sulfurous acid. decyl 2-pentyl ester
1.35	Octane. 5-ethyl-2-methyl-
1.37	Decane. 2.8.8-trimethyl-
1.4	Hexadecane
1.51	Hexasiloxane. tetradecamethyl-
1.57	Hexadecane. 2.6.10.14-tetramethyl-
1.57	Tetrapentacontane. 1.54-dibromo-
1.7	Dodecane. 4.6-dimethyl-
1.81	1-Hexadecanesulfonyl chloride
1.83	Dodecane. 4.6-dimethyl-
1.95	Eicosane
1.98	Eicosane
2.2	Hexadecane
2.57	Heptadecane
2.86	Nonane. 5-methyl-5-propyl-
2.96	2-Cyclohexen-1-one. 3.5.5-trimethyl-
3.31	Dodecane
3.76	1-Heptanol. 2.4-diethyl-

3.99	1-Heptanol. 2.4-diethyl-
5.21	Hexadecane
5.37	2-Isopropyl-5-methyl-1-heptanol

Sample AH

Number of peaks: 53

Number of identified compounds: 32

Ratio of identified peak area: 82.97%

Peak Area [%]	Database comparison
0.55	Undecane
0.59	Undecane, 3,6-dimethyl-
0.62	Dodecane, 4,6-dimethyl-
0.72	Dodecane, 4,6-dimethyl-
0.95	Hexasiloxane, tetradecamethyl-
1.01	Caprolactam
1.08	3-Hexadecene, (Z)-
1.13	Hexadecane, 2,6,10,14-tetramethyl-
1.14	Dodecane, 4,6-dimethyl-
1.31	Acetophenone
1.4	1-Hexadecanol, 3,7,11,15-tetramethyl-
1.45	Dodecane
1.45	Eicosane
1.63	Eicosane
1.69	Dodecane, 4,6-dimethyl-
1.73	1-Undecene, 7-methyl-
1.78	Decanal
1.89	Dodecane, 4,6-dimethyl-
1.98	Hexadecane
2.09	Cyclopentasiloxane, decamethyl-
2.29	Isotridecanol-
2.35	Nonane, 5-methyl-5-propyl-
2.58	Isotridecanol-
2.72	Dodecane, 4,6-dimethyl-
2.97	Isotridecanol-
3.92	Heptasiloxane, hexadecamethyl-
3.98	Tetradecane
4.77	Octacosane
5.04	Eicosane
5.55	Eicosane
5.67	Hexadecane
14.94	Nonanal

Sample AI

Number of peaks: 101

Number of identified compounds: 69

Ratio of identified peak area: 94.19%

Peak Area [%]	Database comparison
0.11	Tridecane, 4-methyl-
0.12	Nonane, 3-methyl-5-propyl-
0.14	Cyclododecane
0.16	3,3,5-Trimethylcyclohexyl acrylate
0.16	Eicosane
0.16	Pentadecane, 8-hexyl-
0.2	Hexadecane, 2,6,10,14-tetramethyl-
0.2	Tetradecyl trifluoroacetate
0.22	Undecane, 2,5-dimethyl-
0.25	Decane, 4-methyl-
0.25	Octadecane, 1-(ethenyloxy)-
0.27	Decane, 3,3,8-trimethyl-
0.28	Hexadecane, 2,6,10,14-tetramethyl-
0.31	Decane, 5-propyl-
0.32	Undecane, 3-methyl-
0.33	Dodecane, 2,6,10-trimethyl-
0.35	Decane
0.36	Cyclopentasiloxane, decamethyl-
0.39	Nonane, 5-(2-methylpropyl)-
0.43	2-Propenoic acid, 2-ethylhexyl ester
0.46	Dodecane, 4,6-dimethyl-
0.47	Pentadecane, 2,6,10,14-tetramethyl-
0.5	Hexadecane, 2,6,10,14-tetramethyl-
0.51	D-Limonene
0.54	Nonane, 2,3-dimethyl-
0.55	Disulfide, di-tert-dodecyl
0.63	Cyclopentane, 1-pentyl-2-propyl-
0.64	Eicosane
0.67	Tetradecanal
0.69	2-Bromo dodecane
0.7	Hexadecane
0.74	Dodecane, 4,6-dimethyl-
0.74	Hexasiloxane, tetradecamethyl-
0.79	Dodecane, 4,6-dimethyl-
0.8	Isotridecanol-
0.82	Dodecane, 4,6-dimethyl-
0.83	Octane, 6-ethyl-2-methyl-
0.86	Octane, 6-ethyl-2-methyl-
0.87	Heptasiloxane, hexadecamethyl-
0.87	Undecane

0.98	Dodecane, 4,6-dimethyl-
1.01	1-Undecene, 7-methyl-
1.1	1-Undecene, 7-methyl-
1.1	Decane, 2,8,8-trimethyl-
1.29	Dodecane, 4,6-dimethyl-
1.44	Dodecane, 4,6-dimethyl-
1.48	1-Decanol, 2-hexyl-
1.54	Hexadecane
1.56	Cyclopentanone, 2-methyl-
1.61	Octane, 2,3,6,7-tetramethyl-
1.65	Dodecane, 4,6-dimethyl-
1.68	Nonane, 5-(2-methylpropyl)-
1.69	Caprolactam
1.8	Dodecane, 4,6-dimethyl-
1.96	Eicosane
2	Heptasiloxane, hexadecamethyl-
2.1	Dodecane, 4,6-dimethyl-
2.11	Dodecane, 4,6-dimethyl-
2.18	Dodecane, 4-methyl-
2.51	Heneicosane
2.59	Eicosane
2.65	Tetradecane
3.02	Octane, 5-ethyl-2-methyl-
3.59	Dodecane
4.02	Isotridecanol-
4.38	1-Heptanol, 2,4-diethyl-
5.89	1-Heptanol, 2,4-diethyl-
6.77	Dodecane, 4,6-dimethyl-
9.8	Dodecane, 4,6-dimethyl-

Sample AJ

Number of peaks: 121

Number of identified compounds: 87

Ratio of identified peak area: 94.79%

Peak Area [%]	Database comparison
0.3	Decane, 3,3,8-trimethyl-
0.34	Dodecane
0.4	Octane, 6-ethyl-2-methyl-
0.45	Oxygen
0.47	Benzenamine, 2,3,4,5,6-pentafluoro-
0.48	2- Bromopropionic acid, octyl ester
0.51	1-Undecene, 7-methyl-
0.51	Decane, 3,3,6-trimethyl-
0.58	Dodecane, 4,6-dimethyl-
0.59	Decane, 1-iodo-
0.6	Dodecane, 4,6-dimethyl-
0.7	Cyclotetrasiloxane, octamethyl-
0.77	Heptadecane
0.77	Undecane, 3,8-dimethyl-
0.78	Heneicosane
0.84	Heptasiloxane, hexadecamethyl-
0.85	Eicosane
0.9	Hexasiloxane, tetradecamethyl-
1	Octane, 2,3,6,7-tetramethyl-
1.07	Isotridecanol-
1.13	Cyclopentasiloxane, decamethyl-
1.18	Dodecane, 4,6-dimethyl-
1.2	Undecane, 4,8-dimethyl-
1.21	Dodecane, 4,6-dimethyl-
1.22	Dodecane, 4,6-dimethyl-
1.4	Dodecane, 4,6-dimethyl-
1.5	Dodecane, 4,6-dimethyl-
1.56	Octane, 5-ethyl-2-methyl-
1.64	Dodecane, 4,6-dimethyl-
1.76	Nonane, 5-butyl-
1.85	Heptadecane
2	Tetradecane
2.01	Dodecane, 4,6-dimethyl-
2.12	Isotridecanol-
2.4	Dodecane, 4,6-dimethyl-
3	1-Hexadecanesulfonyl chloride
4.87	Hexadecane
5.3	Eicosane
5.46	1-Undecene, 7-methyl-
5.68	Dodecane, 4,6-dimethyl-

5.72	Isotridecanol-
6.58	Eicosane
7.65	1-Undecene, 7-methyl-
12.54	Hexadecane

Sample AK

Number of peaks: 102

Number of identified compounds: 76

Ratio of identified peak area: 96.92%

Peak Area [%]	Database comparison
0.05	Oxygen
0.07	Nonane, 5-butyl-
0.08	2-Bromotetradecane
0.1	3,5-Dimethyldodecane
0.12	Caprolactam
0.12	o-Xylene
0.13	Tetradecane, 4-methyl-
0.14	Undecane, 3-methyl-
0.15	2-Isopropyl-5-methyl-1-heptanol
0.15	7-Tetradecene, (Z)-
0.17	Heptane, 2,5,5-trimethyl-
0.17	Octadecane, 1-(ethenyloxy)-
0.19	6-Tridecanol, 3,9-diethyl-
0.2	Eicosane
0.2	Tridecane, 4-methyl-
0.24	1-Octanol, 2-methyl-
0.24	3-Octadecene, (E)-
0.24	Tetradecane, 4-methyl-
0.25	Cyclopentasiloxane, decamethyl-
0.26	1,2,4-Methenoazulene, decahydro-1,5,5,8a-tetramethyl-, [1S-(1.alpha.,2.alpha.,3a.beta.,4.alpha.,8a.beta.,9R*)]-
0.31	1-Methoxy-2-propyl acetate
0.31	3-Hexadecene, (Z)-
0.31	Octane, 2,6-dimethyl-
0.32	Decane, 5-propyl-
0.33	Dodecane, 4,6-dimethyl-
0.34	Hexadecane, 1-iodo-
0.34	Hexadecane, 1-iodo-
0.36	Isotridecanol-
0.36	Tetradecane, 4-methyl-
0.37	Dodecane, 4,6-dimethyl-
0.41	Dodecane, 4,6-dimethyl-
0.41	Octadecane
0.41	Tetradecane, 5-methyl-
0.5	Dodecane, 4,6-dimethyl-
0.52	2-Bromo dodecane
0.55	Eicosane
0.57	Undecane
0.58	Hexasiloxane, tetradecamethyl-
0.6	1-Decene, 2,4-dimethyl-

0.6	Hexadecane
0.61	Decane, 5-propyl-
0.62	Dodecane, 4,6-dimethyl-
0.63	Tetradecane, 2-methyl-
0.69	Dodecane, 4-methyl-
0.71	1-Undecene, 7-methyl-
0.85	Octane, 2,3,6,7-tetramethyl-
0.86	Dodecane, 4,6-dimethyl-
0.87	Pentadecane, 2,6,10,14-tetramethyl-
0.88	Disulfide, di-tert-dodecyl
0.94	Decane, 1-iodo-
0.96	Heptasiloxane, hexadecamethyl-
1	Hexadecane, 2,6,11,15-tetramethyl-
1.02	Dodecane, 4,6-dimethyl-
1.02	Hexadecane
1.09	Hexadecane
1.12	1-Butanol, 3-methoxy-
1.17	Sulfurous acid, pentyl tridecyl ester
1.28	Eicosane
1.32	Tetradecane
1.49	Dodecane, 4,6-dimethyl-
1.82	Isotridecanol-
1.86	Octane, 5-ethyl-2-methyl-
1.9	Dodecane, 4,6-dimethyl-
2.04	Eicosane
2.15	Undecane, 5-methyl-
2.16	Isotridecanol-
2.25	Dodecane
2.29	Dodecane, 4,6-dimethyl-
2.71	1-Heptanol, 2,4-diethyl-
3.07	Dodecane, 4,6-dimethyl-
3.8	Dodecane, 4,6-dimethyl-
3.93	Octane, 5-ethyl-2-methyl-
5.45	Eicosane
6.03	Dodecane, 4,6-dimethyl-
6.69	Octane, 5-ethyl-2-methyl-
17.87	Dodecane, 4,6-dimethyl-

Sample AL

Number of peaks: 124

Number of identified compounds: 82

Ratio of identified peak area: 94.43%

Peak Area [%]	Database comparison
0.06	Cyclohexane, decyl-
0.07	Decane, 2,5-dimethyl-
0.08	Dodecane, 4-methyl-
0.1	Nonane, 5-(2-methylpropyl)-
0.1	Tetratriacontyl pentafluoropropionate
0.11	4-Decene, 7-methyl-, (E)-
0.11	Undecane, 2-methyl-
0.12	1-Butanol, 3-methoxy-, acetate
0.14	Isotridecanol-
0.14	Octacosane
0.14	Undecane, 2-cyclohexyl-
0.15	Hexadecane, 2,6,10,14-tetramethyl-
0.16	Pentadecane, 8-hexyl-
0.17	Tetradecane, 4-methyl-
0.18	Dodecane, 2-methyl-
0.19	Cyclododecane
0.19	Eicosane
0.19	Nonane, 5-butyl-
0.19	Octane, 2,3,6,7-tetramethyl-
0.21	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.21	Heneicosane
0.22	Hexadecane
0.25	p-Xylene
0.27	1-Octanol, 2-butyl-
0.27	Tetradecane, 4-methyl-
0.28	Nonacosane
0.3	2-Hexyl-1-octanol
0.31	Dodecane, 4,6-dimethyl-
0.31	Eicosane
0.32	Octadecane
0.33	Dodecyl trifluoroacetate
0.33	Pentadecane, 2,6,10,14-tetramethyl-
0.34	4-Methyl-dodecan-1-ol
0.34	Heneicosane
0.35	2-Isopropyl-5-methyl-1-heptanol
0.38	1-Tridecene
0.39	1-Methoxy-2-propyl acetate
0.41	Decane, 2,8,8-trimethyl-
0.43	Tetradecane, 2-methyl-
0.48	Heptane, 2,5,5-trimethyl-

0.48	Isotridecanol-
0.51	Dodecane, 4,6-dimethyl-
0.54	Hexadecane
0.56	Heneicosane
0.62	Dichloroacetic acid, dodecyl ester
0.79	Dodecane, 4,6-dimethyl-
0.79	Isotridecanol-
0.8	Dodecane, 4,6-dimethyl-
0.83	Dodecane, 4-methyl-
0.9	Dodecane, 4,6-dimethyl-
0.94	Octane, 6-ethyl-2-methyl-
0.97	Tetradecane
1.02	Undecane
1.14	Octane, 2,6,6-trimethyl-
1.15	Dodecane, 4,6-dimethyl-
1.18	Dodecane, 4,6-dimethyl-
1.2	Dodecane, 4,6-dimethyl-
1.25	Dodecane, 4,6-dimethyl-
1.41	Nonane, 5-methyl-5-propyl-
1.54	Hexadecane, 2,6,11,15-tetramethyl-
1.59	Dodecane, 4,6-dimethyl-
1.69	Sulfurous acid, pentyl tridecyl ester
1.73	Dodecane, 4,6-dimethyl-
1.79	Hexadecane, 2,6,11,15-tetramethyl-
1.81	Ethanol, 2-(dodecyloxy)-
1.86	Octane, 5-ethyl-2-methyl-
1.87	1-Undecene, 7-methyl-
2	Hexadecane
2.04	Octane, 5-ethyl-2-methyl-
2.05	Dodecane, 4,6-dimethyl-
2.16	1-Butanol, 3-methoxy-
2.32	Heneicosane
2.54	Heptasiloxane, hexadecamethyl-
2.56	Dodecane, 4,6-dimethyl-
2.76	Hexasiloxane, tetradecamethyl-
2.88	Dodecane
3.57	Octane, 5-ethyl-2-methyl-
4.59	Dodecane, 4,6-dimethyl-
5.03	Isotridecanol-
5.07	1-Heptanol, 2,4-diethyl-
7.07	1-Heptanol, 2,4-diethyl-
7.51	Dodecane, 4,6-dimethyl-

Sample AM

Number of peaks: 121

Number of identified compounds: 87

Ratio of identified peak area: 94.79%

Peak Area [%]	Database comparison
0.05	1-Butanol, 3-methoxy-, acetate
0.1	Nonacosane
0.1	Undecane, 5-methyl-
0.11	Eicosane
0.13	Sulfurous acid, dodecyl hexyl ester
0.15	1-Decanol, 2-hexyl-
0.15	Hexadecane
0.16	1-Decanol, 2-methyl-
0.16	Undecane, 2-methyl-
0.18	1-Nonanol, 4,8-dimethyl-
0.18	Nonane, 5-methyl-5-propyl-
0.19	Nonane, 5-(2-methylpropyl)-
0.2	1-Octene, 3,7-dimethyl-
0.2	Nonane, 3-methyl-5-propyl-
0.21	Hexadecane
0.21	Tetradecane, 4-methyl-
0.21	Undecane, 3-methyl-
0.22	Eicosane
0.22	Heptadecane
0.22	p-Xylene
0.24	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.24	Eicosane
0.27	Nonane, 2,5-dimethyl-
0.29	1-Heptanol, 2,4-diethyl-
0.29	Cyclopentane, nonyl-
0.29	Dodecane, 4,6-dimethyl-
0.29	Heptane, 3-ethyl-2-methyl-
0.35	Decane, 2,8,8-trimethyl-
0.36	Decane, 4-methyl-
0.38	1-Dodecene
0.4	1-Methoxy-2-propyl acetate
0.4	1-Tetradecanol
0.4	Pentadecane
0.42	Heneicosane
0.43	Heptadecane
0.43	Heptadecyl heptafluorobutyrate
0.43	Undecane, 2-methyl-
0.46	Eicosane
0.47	Tetradecane
0.48	Dichloroacetic acid, decyl ester

0.53	Dodecane, 4,6-dimethyl-
0.56	Dodecane, 4,6-dimethyl-
0.56	Isotridecanol-
0.61	Sulfurous acid, decyl hexyl ester
0.65	Decane, 4-methyl-
0.66	Phenol, 2,4-bis(1,1-dimethylethyl)-
0.68	Heptane, 2,5,5-trimethyl-
0.69	Hexasiloxane, tetradecamethyl-
0.72	Dodecane, 4,6-dimethyl-
0.81	Dodecane, 4,6-dimethyl-
0.81	Heptasiloxane, hexadecamethyl-
0.87	2-Isopropyl-5-methyl-1-heptanol
0.9	Undecyl trifluoroacetate
0.91	Tetradecane
0.92	Dodecane, 4-methyl-
0.94	Undecane
0.96	Dodecane, 4,6-dimethyl-
0.96	Dodecane, 4,6-dimethyl-
1	Dodecane, 4,6-dimethyl-
1.1	Dodecane, 4,6-dimethyl-
1.17	Decane, 3,3,6-trimethyl-
1.2	Dodecane, 4,6-dimethyl-
1.2	Sulfurous acid, pentyl tridecyl ester
1.24	Dodecane, 4,6-dimethyl-
1.33	Dodecane, 2,7,10-trimethyl-
1.34	Octane, 2,3,6,7-tetramethyl-
1.35	Dodecane, 4,6-dimethyl-
1.39	Eicosane
1.4	Octane, 5-ethyl-2-methyl-
1.5	Eicosane
1.64	Tetradecane, 5-methyl-
1.74	Octane, 2,3,6,7-tetramethyl-
1.83	1-Octanol, 2,7-dimethyl-
1.9	1-Undecene, 7-methyl-
2.01	1-Butanol, 3-methoxy-
2.04	Dodecane, 4,6-dimethyl-
2.21	Undecane, 2,5-dimethyl-
2.26	Eicosane
2.46	Dodecane, 4,6-dimethyl-
3.39	Octane, 5-ethyl-2-methyl-
3.56	Dodecane
3.56	Dodecane, 4,6-dimethyl-
3.96	2-Isopropyl-5-methyl-1-heptanol
4.02	Octane, 5-ethyl-2-methyl-
4.14	Isotridecanol-

5.41	1-Heptanol, 2,4-diethyl-
9.03	Dodecane, 4,6-dimethyl-

Sample AN

Number of peaks: 101

Number of identified compounds: 75

Ratio of identified peak area: 97.54%

Peak Area [%]	Database comparison
0.06	1-Butanol, 3-methoxy-
0.07	1-Undecene, 7-methyl-
0.08	Eicosane
0.09	Hexadecane, 1,1-bis(dodecyloxy)-
0.1	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.1	Decane
0.12	7-Tetradecene
0.13	2,3-Dimethyldodecane
0.13	Dodecane, 2,6,10-trimethyl-
0.13	p-Xylene
0.14	Decane, 2,3,5-trimethyl-
0.15	Hexadecane
0.15	Nonacosane
0.15	Octadecane
0.16	Nonane, 5-methyl-5-propyl-
0.16	Undecane, 3,7-dimethyl-
0.18	Undecane, 3,4-dimethyl-
0.19	Tetradecane, 4-methyl-
0.19	Undecane, 3,4-dimethyl-
0.21	2-Ethylhexyl methacrylate
0.23	2-Undecene, 2,5-dimethyl-
0.25	Nonane, 5-methyl-5-propyl-
0.27	10-Methylnonadecane
0.27	Pentadecane, 2,6,10,14-tetramethyl-
0.31	Dodecane, 4,6-dimethyl-
0.32	1-Heptanol, 2,4-diethyl-
0.34	Decane, 5-propyl-
0.34	Heptadecane, 8-methyl-
0.37	4-Methyl-dodecan-1-ol
0.4	Heneicosane
0.4	Tetradecane, 2-methyl-
0.41	1-Tridecanol
0.42	Octacosyl trifluoroacetate
0.43	Undecane
0.45	Dodecane, 4,6-dimethyl-
0.45	Hexadecane, 2,6,11,15-tetramethyl-
0.49	Hexasiloxane, tetradecamethyl-
0.53	Caprolactam
0.53	Dodecane, 4-methyl-
0.55	Phenol, 2,4-bis(1,1-dimethylethyl)-

0.68	Dodecane, 4,6-dimethyl-
0.7	Dodecane, 4,6-dimethyl-
0.72	Octacosyl trifluoroacetate
0.81	4-Decene, 7-methyl-, (E)-
0.94	Dodecane, 4,6-dimethyl-
0.98	1-Hexadecanesulfonyl chloride
0.98	Dodecane, 4,6-dimethyl-
1.02	Heptasiloxane, hexadecamethyl-
1.05	Tetradecane
1.06	Sulfurous acid, pentyl tridecyl ester
1.07	Dodecane, 4,6-dimethyl-
1.19	Dodecane, 4,6-dimethyl-
1.3	Hexadecane
1.32	Heneicosane
1.34	Dodecane, 4,6-dimethyl-
1.36	Dodecane, 4,6-dimethyl-
1.41	Eicosane
1.45	Dodecane, 4,6-dimethyl-
1.52	Dodecane
1.6	Octane, 2,3,6,7-tetramethyl-
2	Octane, 5-ethyl-2-methyl-
2.05	Octane, 5-ethyl-2-methyl-
2.27	Dodecane, 4,6-dimethyl-
3.05	Heptane, 2,5,5-trimethyl-
3.09	Dodecane, 4,6-dimethyl-
3.09	Dodecane, 4,6-dimethyl-
3.7	Heptane, 2,5,5-trimethyl-
3.98	Octane, 5-ethyl-2-methyl-
4.29	Octane, 5-ethyl-2-methyl-
5.54	1-Undecene, 7-methyl-
5.63	2-Isopropyl-5-methyl-1-heptanol
5.67	1-Heptanol, 2,4-diethyl-
5.71	1-Undecene, 7-methyl-
6.49	Hexadecane
8.03	Isotridecanol-

Sample AO

Number of peaks: 107

Number of identified compounds: 80

Ratio of identified peak area: 96.11%

Peak Area [%]	Database comparison
0.06	Dodecane, 4,6-dimethyl-
0.07	Sulfurous acid, dodecyl hexyl ester
0.08	Undecane, 3-methyl-
0.09	1-Octene, 3,7-dimethyl-
0.1	Nonadecyl trifluoroacetate
0.11	1-Butanol, 3-methoxy-, acetate
0.13	2-Isopropyl-5-methyl-1-heptanol
0.13	Hexadecane, 2,6,11,15-tetramethyl-
0.18	Cyclopentasiloxane, decamethyl-
0.18	Heneicosane
0.18	Tetratetracontane
0.18	Tetratetracontane
0.19	2,2,4,4-Tetramethyloctane
0.19	Octacosyl heptafluorobutyrate
0.21	Heneicosane
0.23	2,5-di-tert-Butyl-1,4-benzoquinone
0.24	Tetradecane, 4-methyl-
0.25	2-Isopropyl-5-methyl-1-heptanol
0.26	2-Isopropyl-5-methyl-1-heptanol
0.29	Eicosane
0.29	Nonane, 3-methyl-5-propyl-
0.29	p-Xylene
0.33	1-Decanol, 2-hexyl-
0.34	Eicosane
0.35	2-Undecene, 2,5-dimethyl-
0.36	Decane, 5-propyl-
0.41	Heptane, 2,5,5-trimethyl-
0.41	Tetradecane, 3-methyl-
0.42	Octane, 2,6,6-trimethyl-
0.43	Hexadecane, 1,1-bis(dodecyloxy)-
0.48	Hexadecane, 2,6,11,15-tetramethyl-
0.49	Hexadecane, 1-iodo-
0.51	Dodecane, 4,6-dimethyl-
0.54	Tetradecane, 2,5-dimethyl-
0.57	Undecane, 5-methyl-
0.6	1-Heptanol, 2,4-diethyl-
0.6	Ethanone, 1,1'-(1,4-phenylene)bis-
0.67	Eicosane
0.7	Decane, 2,8,8-trimethyl-
0.73	Dodecane, 4,6-dimethyl-

0.76	1-Decene, 2,4-dimethyl-
0.79	Heptasiloxane, hexadecamethyl-
0.82	Dodecane, 4,6-dimethyl-
0.86	Heptasiloxane, hexadecamethyl-
0.86	Octane, 5-ethyl-2-methyl-
0.87	1-Methoxy-2-propyl acetate
0.88	1-Undecene, 7-methyl-
0.95	Dodecane, 4,6-dimethyl-
0.95	Dodecane, 4,6-dimethyl-
0.96	Tetradecane
1.04	Dodecane, 4,6-dimethyl-
1.05	Heptadecane, 8-methyl-
1.07	Cyclopentanone, 2-methyl-
1.21	1-Hexadecanesulfonyl chloride
1.3	Dodecane, 4,6-dimethyl-
1.33	Dodecane, 4,6-dimethyl-
1.4	Dodecane, 4,6-dimethyl-
1.44	Undecane
1.47	Isotridecanol-
1.5	Dodecane, 4,6-dimethyl-
1.51	Dodecane, 4,6-dimethyl-
1.53	Octane, 5-ethyl-2-methyl-
1.62	Caprolactam
1.63	Dodecane, 4,6-dimethyl-
1.75	Octane, 5-ethyl-2-methyl-
1.77	Dodecane, 4,6-dimethyl-
1.98	Dodecane, 4,6-dimethyl-
2.05	Decane, 2,2-dimethyl-
2.15	2-Isopropyl-5-methyl-1-heptanol
2.25	Dodecane
2.73	1-Butanol, 3-methoxy-
2.9	Octacosane
3.04	Phenol, 2,4-bis(1,1-dimethylethyl)-
3.52	Isotridecanol-
3.59	Eicosane
3.91	1-Heptanol, 2,4-diethyl-
4.14	Eicosane
4.85	1-Heptanol, 2,4-diethyl-
6.03	Dodecane, 4,6-dimethyl-
8.78	Dodecane, 4,6-dimethyl-

Sample AP

Number of peaks: 115

Number of identified compounds: 76

Ratio of identified peak area: 91.66%

Peak Area [%]	Database comparison
0.13	Cyclotetrasiloxane, octamethyl-
0.15	Heneicosane
0.15	Heptadecane, 8-methyl-
0.17	Hexasiloxane, tetradecamethyl-
0.17	Nonane, 5-(2-methylpropyl)-
0.18	1-Butanol, 3-methoxy-, acetate
0.18	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.18	Octacosane
0.2	2,3-Dimethyldecane
0.2	Decane, 3-ethyl-3-methyl-
0.21	1-Dodecene
0.21	Pentatriacontane
0.22	Heptane, 3,3,4-trimethyl-
0.22	Hexadecane, 2,6,10,14-tetramethyl-
0.25	Eicosane
0.26	Dodecane, 2,6,11-trimethyl-
0.26	Dodecane, 4-methyl-
0.3	Pentadecane, 2,6,10,14-tetramethyl-
0.31	Hexadecane, 2,6,10,14-tetramethyl-
0.33	Undecane, 3-methyl-
0.34	Octane, 2,3,6-trimethyl-
0.34	Undecane, 2,5-dimethyl-
0.35	Tetradecanal
0.39	Decane, 3,3,8-trimethyl-
0.39	Dodecane, 1-iodo-
0.41	Tetracosane
0.43	Cyclopentane, decyl-
0.44	1-Tridecene
0.44	Nonane, 5-methyl-5-propyl-
0.45	1-Decene, 3,3,4-trimethyl-
0.49	Isotridecanol-
0.51	Dodecane, 4,6-dimethyl-
0.52	Heneicosane, 11-(1-ethylpropyl)-
0.61	Eicosane
0.62	2-Undecene, 7-methyl-
0.65	Tetradecane, 2-methyl-
0.66	Octane, 2,3,6,7-tetramethyl-
0.67	1-Undecene, 9-methyl-
0.69	Dodecane, 4,6-dimethyl-
0.71	Octane, 6-ethyl-2-methyl-

0.73	1-Undecene, 7-methyl-
0.77	Decanal
0.78	Phenol, 2,4-bis(1,1-dimethylethyl)-
0.81	Dodecane, 4,6-dimethyl-
0.83	Dodecane, 4,6-dimethyl-
0.84	1-Methoxy-2-propyl acetate
0.88	3-Hexadecene, (Z)-
0.88	Isotridecanol-
0.91	2,2,4,4-Tetramethyloctane
0.96	Dodecane, 4,6-dimethyl-
1.05	Dodecane, 4,6-dimethyl-
1.1	Nonane, 5-methyl-5-propyl-
1.18	Dodecane, 4-methyl-
1.18	Sulfurous acid, pentyl tridecyl ester
1.24	Octane, 5-ethyl-2-methyl-
1.26	Dodecane, 4,6-dimethyl-
1.31	Dodecane, 4,6-dimethyl-
1.32	Nonane, 5-(2-methylpropyl)-
1.37	2-Isopropyl-5-methyl-1-heptanol
1.38	Tetradecane
1.4	Undecane, 5-methyl-
1.51	Dodecane, 4,6-dimethyl-
1.78	Dodecane, 4,6-dimethyl-
1.92	Undecane
1.97	Heptasiloxane, hexadecamethyl-
2.02	Eicosane
2.25	Eicosane
2.92	Eicosane
3.4	1-Butanol, 3-methoxy-
3.82	Dodecane, 4,6-dimethyl-
3.88	Isotridecanol-
3.96	1-Heptanol, 2,4-diethyl-
4.93	Dodecane
5.33	1-Heptanol, 2,4-diethyl-
5.33	Decane, 2,2-dimethyl-
10.07	Hexadecane

Sample AQ

Number of peaks: 106

Number of identified compounds: 76

Ratio of identified peak area: 95.57%

Peak Area [%]	Database comparison
0.09	Decane, 3,3,4-trimethyl-
0.09	Oxygen
0.1	Decane, 2,3,8-trimethyl-
0.11	Oxalic acid, bis(6-ethyloct-3-yl) ester
0.12	Cyclododecane
0.14	Cyclopentasiloxane, decamethyl-
0.16	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.17	Nonacosane
0.18	Dichloroacetic acid, 6-ethyl-3-octyl ester
0.18	Heneicosane
0.19	Nonane, 3-methyl-
0.2	Decane, 3-ethyl-3-methyl-
0.21	1-Hexadecanesulfonyl chloride
0.21	1-Octanol, 2,7-dimethyl-
0.21	Pentadecane, 2,6,10,14-tetramethyl-
0.21	p-Xylene
0.25	Dodecanal
0.25	Eicosane
0.26	Decanal
0.26	Octane, 5-ethyl-2-methyl-
0.3	Tetratriacontane
0.31	Heneicosane
0.36	Tetradecane, 4-methyl-
0.37	Benzene, 3-cyclohexen-1-yl-
0.38	1-Undecene, 9-methyl-
0.38	Heptafluorobutanoic acid, heptadecyl ester
0.38	Hexadecane
0.4	3-Eicosene, (E)-
0.41	Caprolactam
0.43	Octane, 2,6,6-trimethyl-
0.51	2-Bromo dodecane
0.52	Decane, 5-propyl-
0.55	Hexasiloxane, tetradecamethyl-
0.56	Heptadecyl heptafluorobutyrate
0.58	Hexadecane, 2,6,10,14-tetramethyl-
0.59	Nonane, 2,6-dimethyl-
0.59	Pentadecane, 7-methyl-
0.62	Dodecane, 4,6-dimethyl-
0.62	Octane, 5-ethyl-2-methyl-
0.65	1-Decene, 2,4-dimethyl-

0.65	1-Methoxy-2-propyl acetate
0.65	Undecane
0.72	1-Undecene, 7-methyl-
0.77	Dodecane, 4,6-dimethyl-
0.83	Dodecane, 4,6-dimethyl-
0.88	Isotridecanol-
0.9	Dodecane, 4-methyl-
0.91	Phenol, 2,5-bis(1,1-dimethylethyl)-
0.93	1-Butanol, 3-methoxy-
0.98	Octane, 6-ethyl-2-methyl-
0.98	Tetradecane
0.99	Nonane, 5-methyl-5-propyl-
1.1	Heptasiloxane, hexadecamethyl-
1.19	Dodecane, 4,6-dimethyl-
1.37	Dodecane, 4,6-dimethyl-
1.38	Dodecane, 4,6-dimethyl-
1.38	Dodecane, 4,6-dimethyl-
1.39	Dodecane, 4,6-dimethyl-
1.44	1-Heptanol, 2,4-diethyl-
1.59	Dodecane, 4,6-dimethyl-
1.65	Sulfurous acid, pentyl tridecyl ester
1.84	Dodecane, 4,6-dimethyl-
2.03	Dodecane, 4,6-dimethyl-
2.08	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl- 1,3-propanediyl ester
2.24	Eicosane
2.26	1-Hexadecanesulfonyl chloride
2.33	Dodecane, 4,6-dimethyl-
2.48	Dodecane
2.81	Octacosane
3.04	Eicosane
3.28	Heptasiloxane, hexadecamethyl-
4.17	Dodecane, 4,6-dimethyl-
6.12	Hexadecane
7.51	2-Isopropyl-5-methyl-1-heptanol
7.63	Isotridecanol-
9.97	Isotridecanol-

Sample AR

Number of peaks: 68

Number of identified compounds: 49

Ratio of identified peak area: 92.15%

Peak Area [%]	Database comparison
0.23	1-Nonanol, 4,8-dimethyl-
0.28	Dodecane
0.31	Decane, 3,3,8-trimethyl-
0.31	Heptadecane
0.32	2-Isopropyl-5-methyl-1-heptanol
0.33	Cyclotetrasiloxane, octamethyl-
0.33	Dodecane, 4,6-dimethyl-
0.4	Dodecane, 4,6-dimethyl-
0.58	Heptadecane
0.61	1-Hexadecanesulfonyl chloride
0.62	Dodecane, 4,6-dimethyl-
0.63	Dodecane, 4,6-dimethyl-
0.65	Hexasiloxane, tetradecamethyl-
0.66	Decanal
0.66	Dodecane, 4,6-dimethyl-
0.68	Cyclopentane, 1-pentyl-2-propyl-
0.73	Dodecane, 4,6-dimethyl-
0.77	Dodecane, 4,6-dimethyl-
0.77	Eicosane
0.79	Dodecane, 4,6-dimethyl-
0.85	Cyclopentasiloxane, decamethyl-
0.87	Dodecane, 4-methyl-
0.87	Eicosane
0.98	Octane, 5-ethyl-2-methyl-
1.02	Octane, 2,3,6,7-tetramethyl-
1.03	Caprolactam
1.12	Decane, 3,3,6-trimethyl-
1.2	Tetradecane
1.5	Eicosane
1.52	Dodecane, 4,6-dimethyl-
1.54	Dodecane, 4,6-dimethyl-
1.63	Dodecane, 4,6-dimethyl-
1.74	Eicosane
1.94	Eicosane
1.97	Isotridecanol-
2.09	Heptasiloxane, hexadecamethyl-
2.09	Isotridecanol-
2.16	Dodecane, 4,6-dimethyl-
2.16	Octane, 5-ethyl-2-methyl-
2.38	Dodecane, 4,6-dimethyl-

2.53	Octane, 6-ethyl-2-methyl-
2.71	Dodecane, 4,6-dimethyl-
2.73	Hexadecane
2.75	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl- 1,3-propanediyl ester
2.76	1-Undecene, 7-methyl-
6.18	Hexadecane
8.04	Dodecane, 4,6-dimethyl-
8.81	Eicosane
14.32	Hexadecane

Sample AS

Number of peaks: 91

Number of identified compounds: 69

Ratio of identified peak area: 95.92%

Peak Area [%]	Database comparison
0.12	Cyclopentasiloxane, decamethyl-
0.16	Oxygen
0.18	2,3-Dimethyldodecane
0.18	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl- 1,3-propanediyl ester
0.21	2-Isopropyl-5-methyl-1-heptanol
0.21	Heptane, 2,5,5-trimethyl-
0.23	Eicosane, 2-methyl-
0.24	Dodecane, 4-methyl-
0.25	Dotriacontane
0.27	1-Hexadecanesulfonyl chloride
0.31	2-Undecene, 2,5-dimethyl-
0.31	Sulfurous acid, hexyl octyl ester
0.33	Dodecane, 4,6-dimethyl-
0.37	Eicosane
0.4	Heneicosane
0.4	o-Xylene
0.41	Tetradecane, 4-methyl-
0.45	Tetradecane, 5-methyl-
0.48	Heptadecane
0.49	Hexasiloxane, tetradecamethyl-
0.49	Undecane, 5-methyl-
0.52	1-Tridecene
0.53	Nonane, 2-methyl-5-propyl-
0.59	Octane, 5-ethyl-2-methyl-
0.61	1-Methoxy-2-propyl acetate
0.66	Heptadecyl heptafluorobutyrate
0.67	Decane, 2,8,8-trimethyl-
0.7	3,5-Dimethyldodecane
0.7	Pentadecane, 2,6,10,14-tetramethyl-
0.7	Undecane, 2,6-dimethyl-
0.73	Undecane
0.77	1,3-Dioxan-5-ol, 4,4,5-trimethyl-
0.82	Dodecane, 4-methyl-
0.91	Decane, 3,3,8-trimethyl-
0.98	Eicosane
1	Phenol, 2,4-bis(1,1-dimethylethyl)-
1.03	2-Undecene, 2,5-dimethyl-
1.06	Dodecane, 4,6-dimethyl-
1.07	Dodecane, 4,6-dimethyl-

1.09	Caprolactam
1.11	Isotridecanol-
1.12	1-Undecene, 7-methyl-
1.12	Octane, 5-ethyl-2-methyl-
1.13	Octane, 2,3,6,7-tetramethyl-
1.25	Cyclopentanone, 2-methyl-
1.32	Dodecane, 4,6-dimethyl-
1.32	Nonane, 5-methyl-5-propyl-
1.39	Sulfurous acid, decyl 2-pentyl ester
1.42	Nonane, 5-methyl-5-propyl-
1.43	Dodecane, 4,6-dimethyl-
1.51	Isotridecanol-
1.56	Dodecane, 4,6-dimethyl-
1.59	Tetradecane
1.64	Dodecane, 4,6-dimethyl-
1.82	Dodecane, 4,6-dimethyl-
2.04	Dodecane
2.08	1-Hexadecanesulfonyl chloride
2.12	Dodecane, 4,6-dimethyl-
2.21	Heptasiloxane, hexadecamethyl-
2.33	Dodecane, 4,6-dimethyl-
2.73	Eicosane
2.81	Eicosane
2.81	Heptasiloxane, hexadecamethyl-
3.22	Eicosane
3.97	Dodecane, 4,6-dimethyl-
5.54	Isotridecanol-
6.06	2-Isopropyl-5-methyl-1-heptanol
7.48	Hexadecane
8.16	1-Heptanol, 2,4-diethyl-

Sample AT

Number of peaks: 97

Number of identified compounds: 70

Ratio of identified peak area: 95.29%

Peak Area [%]	Database comparison
0.09	Oxygen
0.09	Undecane, 6,6-dimethyl-
0.14	Cyclopropane, nonyl-
0.14	Heptadecane
0.14	Pentadecane, 7-methyl-
0.15	2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-
0.15	5-Undecene, 3-methyl-, (E)-
0.17	Eicosane
0.19	Cyclopentasiloxane, decamethyl-
0.19	Octane, 6-ethyl-2-methyl-
0.22	Decane, 3,6-dimethyl-
0.22	Hexasiloxane, tetradecamethyl-
0.23	Dodecane, 4-methyl-
0.23	Hexadecane, 1-iodo-
0.24	Nonane, 5-methyl-5-propyl-
0.25	1-Undecene, 7-methyl-
0.25	Hexadecane, 1-iodo-
0.27	1-Undecene, 7-methyl-
0.28	Dodecane, 2,7,10-trimethyl-
0.29	Decane, 3,3,8-trimethyl-
0.3	Cyclopentane, nonyl-
0.34	Heneicosane
0.34	Octane, 6-ethyl-2-methyl-
0.37	Eicosane
0.39	Decane, 2,8,8-trimethyl-
0.39	Undecyl trifluoroacetate
0.42	1-Hexadecanesulfonyl chloride
0.42	Heptadecane
0.43	Eicosane
0.48	Octane, 5-ethyl-2-methyl-
0.49	1-Butanol, 3-methoxy-, acetate
0.52	2-Undecene, 2,5-dimethyl-
0.64	2-Bromo dodecane
0.66	Octane, 5-ethyl-2-methyl-
0.71	Dodecane, 4,6-dimethyl-
0.75	p-Xylene
0.79	Dodecane, 4,6-dimethyl-
0.79	Heptasiloxane, hexadecamethyl-
0.8	Dodecane, 4,6-dimethyl-
0.85	1-Decanol, 2-methyl-

0.88	Dodecane, 4,6-dimethyl-
0.88	Isotridecanol-
0.89	Eicosane
0.94	Sulfurous acid, dodecyl pentyl ester
0.97	2,2,4,4-Tetramethyloctane
0.99	Caprolactam
1.01	Dodecane, 4,6-dimethyl-
1.02	Dodecane, 4,6-dimethyl-
1.16	Tetradecane
1.25	1-Decanol, 2-hexyl-
1.41	Sulfurous acid, pentadecyl pentyl ester
1.56	Dodecane, 4,6-dimethyl-
1.6	Dodecane, 4,6-dimethyl-
1.78	Undecane
1.81	Nonane, 5-methyl-5-propyl-
1.99	1-Methoxy-2-propyl acetate
2.19	1-Tetradecene
2.27	Eicosane
2.37	Dodecane, 4,6-dimethyl-
2.42	Nonane, 5-methyl-5-propyl-
2.66	Eicosane
3.59	Eicosane
3.72	Isotridecanol-
3.75	1-Heptanol, 2,4-diethyl-
3.91	1-Butanol, 3-methoxy-
4.17	Dodecane
4.8	1-Heptanol, 2,4-diethyl-
5.97	Dodecane, 4,6-dimethyl-
5.99	Decane, 2,2-dimethyl-
12.53	Hexadecane

Sample AU

Number of peaks: 108

Number of identified compounds: 73

Ratio of identified peak area: 93.78%

Peak Area [%]	Database comparison
0.05	Heneicosane, 10-methyl-
0.07	1-Octanol, 2-butyl-
0.08	1-Butanol, 3-methoxy-, acetate
0.1	Docosane
0.1	Eicosane
0.13	Ditetradecyl ether
0.14	2,2,4,4-Tetramethyloctane
0.14	Hexadecane, 2,6,10,14-tetramethyl-
0.15	2,3-Dimethyldodecane
0.17	Dodecane, 4-methyl-
0.21	Nonacosane
0.22	Tetradecane, 4-methyl-
0.22	Undecyl trifluoroacetate
0.23	Cyclopentasiloxane, decamethyl-
0.24	Hexadecane, 1-iodo-
0.25	Decane, 2,8,8-trimethyl-
0.26	Heptane, 3,3,4-trimethyl-
0.26	Octadecane
0.28	Eicosane
0.29	1-Octanol, 2-methyl-
0.29	Tetradecane, 2-methyl-
0.33	Tetradecane, 3-methyl-
0.33	Undecane, 3-methyl-
0.34	Cyclopentane, undecyl-
0.34	Pentadecane, 7-methyl-
0.35	Heneicosane
0.35	Nonane, 5-propyl-
0.38	Decane, 2,8,8-trimethyl-
0.41	Eicosane
0.42	Isotridecanol-
0.44	Decane, 2,8,8-trimethyl-
0.47	Dodecane, 1-iodo-
0.48	Undecane
0.5	Dodecane, 4,6-dimethyl-
0.5	Dodecane, 4,6-dimethyl-
0.52	1-Methoxy-2-propyl acetate
0.52	2-Undecene, 2,5-dimethyl-
0.52	Decane, 3,3,5-trimethyl-
0.55	1-Tridecene
0.6	2-Bromo dodecane

0.63	Dodecane, 4,6-dimethyl-
0.64	Eicosane
0.67	1-Undecene, 7-methyl-
0.67	Dodecane, 2,6,11-trimethyl-
0.77	Octane, 2,6,6-trimethyl-
0.85	1-Butanol, 3-methoxy-
0.9	Heneicosane
1.01	Tetradecane
1.07	Octane, 5-ethyl-2-methyl-
1.09	Pentadecane, 8-hexyl-
1.11	Dodecane, 4,6-dimethyl-
1.23	Sulfurous acid, pentyl tridecyl ester
1.55	Decane, 2,2-dimethyl-
1.56	Eicosane
1.7	Dodecane, 4,6-dimethyl-
1.72	Dodecane, 4,6-dimethyl-
2.01	Isotridecanol-
2.11	1-Heptanol, 2,4-diethyl-
2.18	Octane, 5-ethyl-2-methyl-
2.21	Dodecane, 4,6-dimethyl-
2.34	Dodecane, 4,6-dimethyl-
2.36	Heptasiloxane, hexadecamethyl-
2.64	Dodecane, 4,6-dimethyl-
2.84	Caprolactam
2.91	Isotridecanol-
2.95	Hexasiloxane, tetradecamethyl-
2.99	Octane, 5-ethyl-2-methyl-
3.03	Dodecane
3.04	Eicosane
4.19	Octane, 5-ethyl-2-methyl-
4.39	Eicosane
7.69	Dodecane, 4,6-dimethyl-
14.5	Dodecane, 4,6-dimethyl-

Table S3 Tabulated VOC values für Sample B, subdivided into substance classes with the corresponding LCI values

Substance / Class	Emission at 40°C [mg/m ³]	LCI [mg/m ³]	Comment
Aromatic compounds			
o-Xylene	0.07	0.5	
Siloxanes			
Cyclopentasiloxane, deca-methyl-	0.05	1.4	LCI for octamethyl-cyclotetrasiloxane.
Hexasiloxane, tetradeca-methyl-	0.15		
Heptasiloxane, hexadeca-methyl-	0.23		
Heptasiloxane, hexadeca-methyl-	0.57		
Amides			
Caprolactam	0.53	0.3	
Aldehydes			
Decanal	0.09	0.9	
Alkanes			
Decane, 5,6-dimethyl-	0.04	14	other saturated C6-C8 hydrocarbons
Nonane, 5-(2-methylpropyl)-	0.05	6	other saturated C9-C16 hydrocarbons
Nonane, 5-(2-methylpropyl)-	0.05	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.06	6	other saturated C9-C16 hydrocarbons
Nonane, 5-butyl-	0.06	6	other saturated C9-C16 hydrocarbons
Tridecane	0.06	6	other saturated C9-C16 hydrocarbons
2,6-Dimethyldecane	0.07	6	other saturated C9-C16 hydrocarbons
Decane	0.07	6	other saturated C9-C16 hydrocarbons
Tetradecane	0.07	6	other saturated C9-C16 hydrocarbons
Hexadecane	0.09	6	other saturated C9-C16 hydrocarbons
Decane, 3,3,8-trimethyl-	0.11	6	other saturated C9-C16 hydrocarbons
Cyclooctane, ethyl-	0.13	6	other saturated C9-C16 hydrocarbons

Tetradecane	0.14	6	other saturated C9-C16 hydrocarbons
Dodecane, 2,7,10-trimethyl-	0.16	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.16	6	other saturated C9-C16 hydrocarbons
Undecane	0.17	6	other saturated C9-C16 hydrocarbons
Tetradecane	0.18	6	other saturated C9-C16 hydrocarbons
Cyclooctane, (1-methylpropyl)-	0.20	6	other saturated C9-C16 hydrocarbons
Octadecane	0.21	6	other saturated C9-C16 hydrocarbons
Nonane, 2,5-dimethyl-	0.22	6	other saturated C9-C16 hydrocarbons
Cyclooctane, butyl-	0.24	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.28	6	other saturated C9-C16 hydrocarbons
Tetradecane	0.33	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.34	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.34	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.35	6	other saturated C9-C16 hydrocarbons
Dodecane	0.37	6	other saturated C9-C16 hydrocarbons
Tetradecane	0.39	6	other saturated C9-C16 hydrocarbons
Octane, 2,4,6-trimethyl-	0.47	6	other saturated C9-C16 hydrocarbons
Octane, 2,3,6,7-tetramethyl-	0.52	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.60	6	other saturated C9-C16 hydrocarbons
Undecane	0.64	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	0.80	6	other saturated C9-C16 hydrocarbons
Dodecane, 4-methyl-	0.83	6	other saturated C9-C16 hydrocarbons
Nonane, 2,5-dimethyl-	0.83	6	other saturated C9-C16 hydrocarbons

Dodecane, 4,6-dimethyl-	0.90	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	1.00	6	other saturated C9-C16 hydrocarbons
Hexadecane	1.04	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	1.13	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	1.29	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	1.46	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	1.57	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	1.97	6	other saturated C9-C16 hydrocarbons
Octane, 5-ethyl-2-methyl-	2.50	6	other saturated C9-C16 hydrocarbons
Octane, 2,3,6,7-tetramethyl-	3.57	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	3.96	6	other saturated C9-C16 hydrocarbons
Octane, 6-ethyl-2-methyl-	4.06	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	4.72	6	other saturated C9-C16 hydrocarbons
Heptane, 2,5,5-trimethyl-	4.88	6	other saturated C9-C16 hydrocarbons
Heptane, 2,5,5-trimethyl-	5.12	6	other saturated C9-C16 hydrocarbons
Octane, 5-ethyl-2-methyl-	6.74	6	other saturated C9-C16 hydrocarbons
Octane, 6-ethyl-2-methyl-	8.21	6	other saturated C9-C16 hydrocarbons
<i>Sum C9-C16 alkanes</i>	<i>63.20</i>	6	other saturated C9-C16 hydrocarbons
Eicosane	1.08		
Eicosane	0.80		
Eicosane	0.60		
Eicosane	0.14		
Eicosane	0.11		
Eicosane	0.08		
Eicosane	0.05		
Heptadecane	0.05		
Heneicosane	0.34		

Heneicosane	0.15		
Alcohols			
1-Decanol, 2-hexyl-	0.25		
Isotridecanol-	0.34		
Isotridecanol-	2.53		
Isotridecanol-	2.73		
Isotridecanol-	3.66		
Halogenated compounds			
Decane, 1-iodo-	0.07		
Undecyl trifluoroacetate	0.07		
2-Bromo dodecane	0.06		
Ester			
Oxalic acid, 2-ethylhexyl hexyl ester	0.12		
Alkenes			
1-Undecene, 4-methyl-	0.13		
2-Undecene, 4,5-dime- thyl-, [R*,R*-(E)]-	0.15		
3-Decene, 2,2-dimethyl-, (E)-	0.15		
1-Undecene, 7-methyl-	0.36		
4-Decene, 7-methyl-, (E)-	1.30		
1-Undecene, 7-methyl-	4.17		
1-Undecene, 7-methyl-	4.75		

Table S4 Tabulated VOC values für Sample T, subdivided into substance classes with the corresponding LCI values

Substance / Class	Emis- sion at 40°C [mg/m ³]	LCI [mg/m ³]	Comment
Aromatic compounds			
Benzene, butyl-	0.07	1.1	
Benzene, 1-ethyl-3-(1-methyl-ethyl)-	0.43		
Benzene, 1-methyl-4-(1-methylpropyl)-	0.58		
Benzene, 1-methyl-4-(1-methylpropyl)-	0.61		
Benzene, pentamethyl-	0.61		
Benzene, 1-ethyl-2,4-dimethyl-	0.65		
Benzene, 1,4-diethyl-2-methyl-	0.83		
Benzene, 1-ethyl-4-(1-methyl-ethyl)-	0.83		
Benzene, 1-methyl-4-propyl-	1.01		
p-Xylene	1.52	0.5	
Benzene, 1-ethyl-2,4,5-trimethyl-	1.99		
Benzene, 1,2,3-trimethyl-	2.42		
Benzene, 1-ethyl-2,4,5-trimethyl-	2.67		
Benzene, 1-ethyl-2,3-dimethyl-	2.78		
Benzene, 1-methyl-2-propyl-	2.96		
Benzene, 1-ethyl-2,4,5-trimethyl-	4.30		
Benzene, 1-ethyl-3,5-dimethyl-	7.15		
Benzene, 1-ethyl-3,5-dimethyl-	7.98		
Benzene, 1,2,3,5-tetramethyl-	10.44	0.25	Tetramethylbenzene
Benzene, 1,2,3,4-tetramethyl-	10.95	0.25	Tetramethylbenzene
Benzene, 1,2,4,5-tetramethyl-	24.78	0.25	Tetramethylbenzene
Siloxanes			
Hexasiloxane, tetradecame- thyl-	1.73		
Cyclotetrasiloxane, octame- thyl-	1.77	1.2	
Heptasiloxane, hexadecame- thyl-	1.88		

Cyclopentasiloxane, decame- thyl-	2.49		
Alkanes			
Tetradecane, 5-methyl-	0.29	6	other saturated C9-C16 hydrocar- bons
Tetradecane, 4-methyl-	0.33	6	other saturated C9-C16 hydrocar- bons
Dodecane	0.40	6	other saturated C9-C16 hydrocar- bons
Decane, 5-propyl-	0.43	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	0.54	6	other saturated C9-C16 hydrocar- bons
Decane, 2,8,8-trimethyl-	0.69	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	0.87	6	other saturated C9-C16 hydrocar- bons
Heptane, 2,5,5-trimethyl-	0.90	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	0.98	6	other saturated C9-C16 hydrocar- bons
Heptane, 2,5,5-trimethyl-	0.98	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	1.05	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	1.12	6	other saturated C9-C16 hydrocar- bons
Nonane, 5-(1-methylpropyl)-	1.12	6	other saturated C9-C16 hydrocar- bons
Tetradecane, 4-methyl-	1.26	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	1.30	6	other saturated C9-C16 hydrocar- bons
Nonane, 5-methyl-5-propyl-	1.34	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	1.88	6	other saturated C9-C16 hydrocar- bons
Hexadecane	1.95	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	2.10	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	2.89	6	other saturated C9-C16 hydrocar- bons
Dodecane, 4,6-dimethyl-	3.90	6	other saturated C9-C16 hydrocar- bons

Dodecane, 4,6-dimethyl-	4.30	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	6.11	6	other saturated C9-C16 hydrocarbons
Dodecane, 4,6-dimethyl-	7.04	6	other saturated C9-C16 hydrocarbons
Octane, 6-ethyl-2-methyl-	7.98	6	other saturated C9-C16 hydrocarbons
Octane, 6-ethyl-2-methyl-	11.34	6	other saturated C9-C16 hydrocarbons
Octane, 6-ethyl-2-methyl-	16.11	6	other saturated C9-C16 hydrocarbons
Nonane, 5-methyl-5-propyl-	17.20	6	other saturated C9-C16 hydrocarbons
Hexadecane	30.42	6	other saturated C9-C16 hydrocarbons
Octane, 5-ethyl-2-methyl-	35.69	6	other saturated C9-C16 hydrocarbons
<i>Sum of C9-C16-alkanes</i>	<i>162.50</i>	6	other saturated C9-C16 hydrocarbons
Eicosane	3.87		
Eicosane	1.91		
Hexadecane, 2,6,11,15-tetramethyl-	1.66		
Heneicosane	7.44		
Eicosane	0.69		
Heneicosane	0.79		
Eicosane	0.36		
Heptadecane	0.29		
Pentadecane, 2,6,10,14-tetramethyl-	0.29		
Heptadecane, 2,6,10,15-tetramethyl-	0.51		
Hexadecane, 2,6,10,14-tetramethyl-	0.54		
Alcohols			
1-Heptanol, 6-methyl-	0.36		
Isotridecanol-	0.36		
1-Butanol, 3-methoxy-	0.54		
Isotridecanol-	0.72		
Isotridecanol-	3.40		
Isotridecanol-	3.97		
Isotridecanol-	5.85		
Esters			
1-Methoxy-2-propyl acetate	0.72	0.65	

Hexanedioic acid, dimethyl ester	0.90	0.05	
Pentanedioic acid, dimethyl ester	0.79	0.025	
Alkenes			
4-Decene, 7-methyl-, (E)-	0.29		
1-Decene, 2,4-dimethyl-	1.95		
1-Tetradecene	2.78		
1-Undecene, 7-methyl-	2.82		
2-Cyclohexen-1-one, 3,5,5-trimethyl-	34.14		
1H-Indene, 2,3-dihydro-5-methyl-	2.49		
1H-Indene, 2,3-dihydro-5-methyl-	5.42		
Hexadecane, 1-(ethenyloxy)-	0.43		
.beta.-Pinene	0.14		
Halogenated Compounds			
1-Hexadecanesulfonyl chloride	0.65		
2-Bromotetradecane	0.14		
2-Bromotetradecane	0.14		
