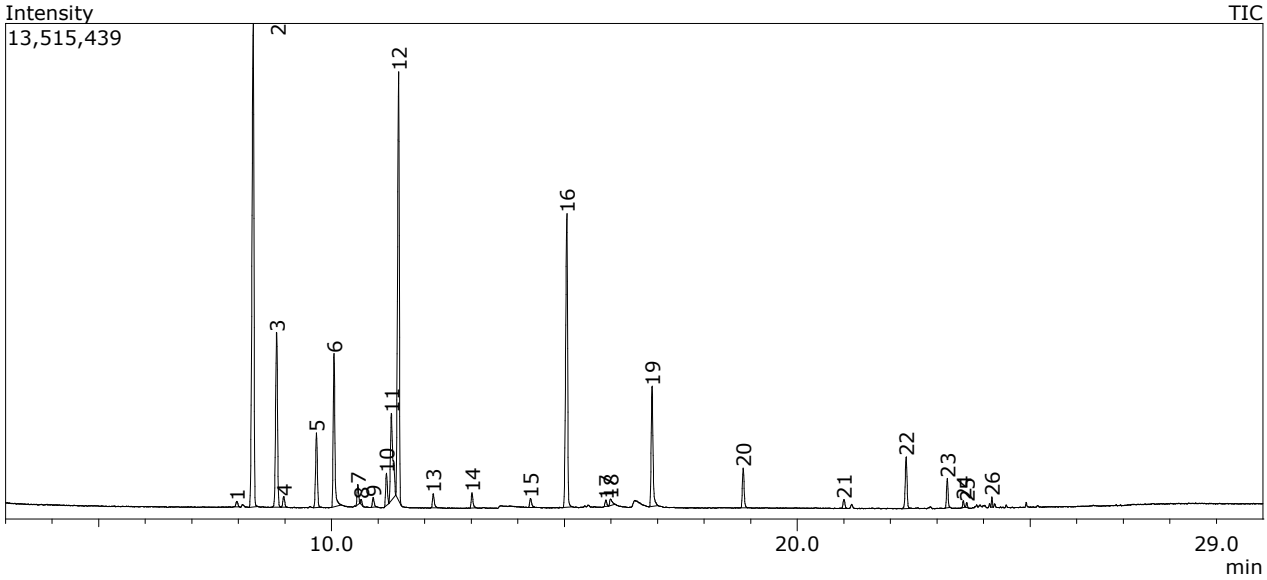
CSIR-INDIAN INSTITUTE OF INTEGRATIVE MEDICINE
Quality Management and Instrumentation Division
GCMS ANALYSIS REPORT

Sample Information

Analyzed by : Dr. Nagaraju Nekkala
Analyzed : 05-05-2026 16:39:45
Sample Name : RM
Sample ID : RM
Vial # : 26
Injection Volume : 1.00
Data File : D:\GCMS-2026\Dr. Suphla Gupta\DATA\MAY-2026\05.05.2026-19.qgd
Batch File : D:\GCMS-2026\BATCH\MAY-2026\05.05.2026-01.qgb
Method File : D:\GCMS-2026\Dr. Suphla Gupta\METHODS\GCMS_LIQ_1_5ms_EO_07.qgm
Tuning File : D:\GCMS-2026\Tuning\F1-15-04-2026.qgt
Modified : 05-05-2026 17:16:52



Peak Report TIC

Peak#	R.Time	Area	Area%	Similarity	Name
1	7.969	430422	0.27	95	Tricyclo[2.2.1.0(2,6)]heptane, 1,7,7-trimethyl-
2	8.319	38902335	24.35	96	.alpha.-Pinene
3	8.822	13702288	8.58	96	Camphene
4	8.975	788213	0.49	94	Bicyclo[3.1.0]hex-2-ene, 4-methylene-1-(1-methylethyl)-
5	9.678	5546813	3.47	97	.beta.-Pinene
6	10.054	10710888	6.71	88	.beta.-Myrcene
7	10.566	1289204	0.81	95	.alpha.-Phellandrene
8	10.637	272623	0.17	92	.beta.-Ocimene
9	10.895	663457	0.42	95	Cyclohexene, 1-methyl-4-(1-methylethylidene)-
10	11.181	2261061	1.42	96	p-Cymene
11	11.286	9008853	5.64	94	Limonene
12	11.441	29841873	18.68	91	Eucalyptol
13	12.185	1015133	0.64	96	.gamma.-Terpinene
14	13.018	1111286	0.70	95	Cyclohexene, 4-methyl-3-(1-methylethylidene)-
15	14.272	763026	0.48	92	3,5-Heptadien-2-ol, 2,6-dimethyl-
16	15.054	23305294	14.59	96	Camphor
17	15.891	426059	0.27	94	Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-
18	15.992	668540	0.42	93	Terpinen-4-ol
19	16.883	9068619	5.68	94	Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl-
20	18.839	2816540	1.76	95	Bornyl acetate
21	21.004	666140	0.42	94	Ylangene
22	22.338	3752400	2.35	94	Caryophyllene
23	23.222	1747583	1.09	94	Humulene
24	23.565	345232	0.22	92	.gamma.-Muurolene
25	23.638	233763	0.15	90	.alpha.-Muurolene
26	24.180	395126	0.25	91	Naphthalene, 1,2,3,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)-,
		159732771	100.00		

Qualitative Analysis Report

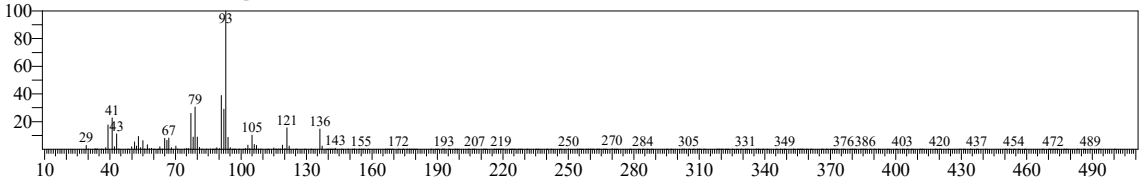
Library

<< Target >>

Line#:1 R.Time:7.970(Scan#:995) MassPeaks:233

RawMode:Averaged 7.965-7.975(994-996) BasePeak:93.05(33998)

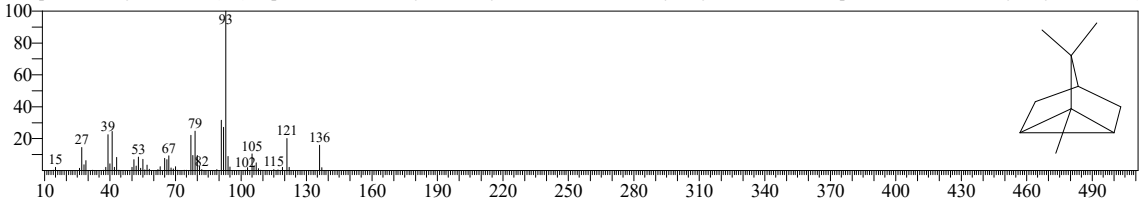
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



Hit#:1 Entry:10388 Library:NIST17M1.lib

SI:95 Formula:C10H16 CAS:508-32-7 MolWeight:136 RetIndex:729

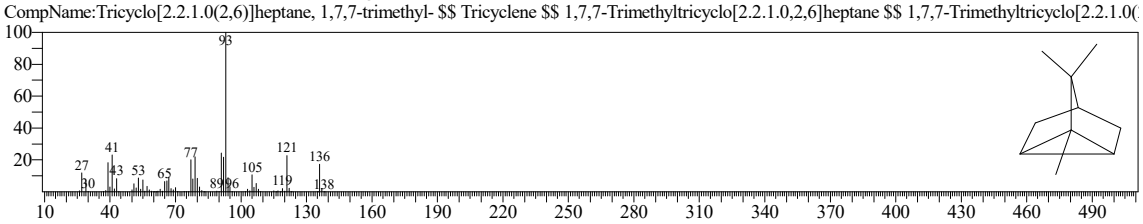
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,7,7-trimethyl- $$ Tricyclene $$ 1,7,7-Trimethyltricyclo[2.2.1.0,2,6]heptane $$ 1,7,7-Trimethyltricyclo[2.2.1.0(



Hit#:2 Entry:7945 Library:NIST17R.lib

SI:94 Formula:C10H16 CAS:508-32-7 MolWeight:136 RetIndex:729

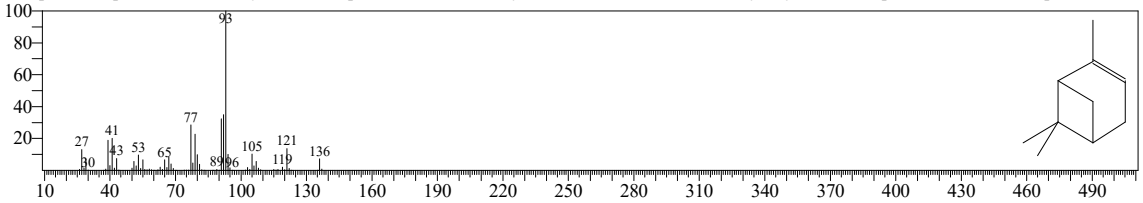
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,7,7-trimethyl- $$ Tricyclene $$ 1,7,7-Trimethyltricyclo[2.2.1.0,2,6]heptane $$ 1,7,7-Trimethyltricyclo[2.2.1.0(



Hit#:3 Entry:7964 Library:NIST17R.lib

SI:94 Formula:C10H16 CAS:80-56-8 MolWeight:136 RetIndex:948

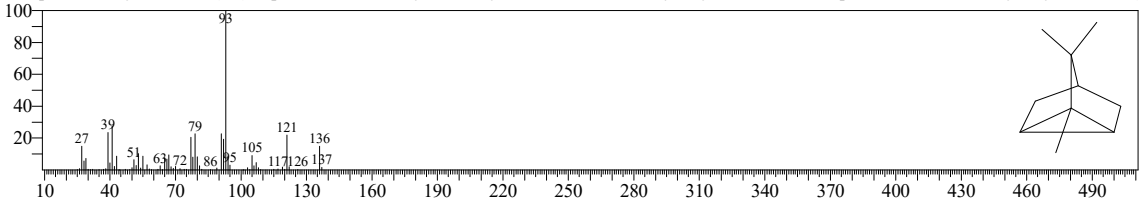
CompName:.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- $$ 2-Pinene $$ 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ Pinene, .alpha. $$ 2,6,6



Hit#:4 Entry:7917 Library:NIST17R.lib

SI:94 Formula:C10H16 CAS:508-32-7 MolWeight:136 RetIndex:729

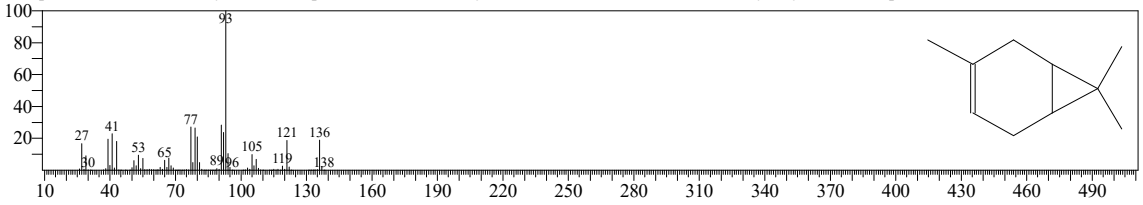
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,7,7-trimethyl- $$ Tricyclene $$ 1,7,7-Trimethyltricyclo[2.2.1.0,2,6]heptane $$ 1,7,7-Trimethyltricyclo[2.2.1.0(



Hit#:5 Entry:7951 Library:NIST17R.lib

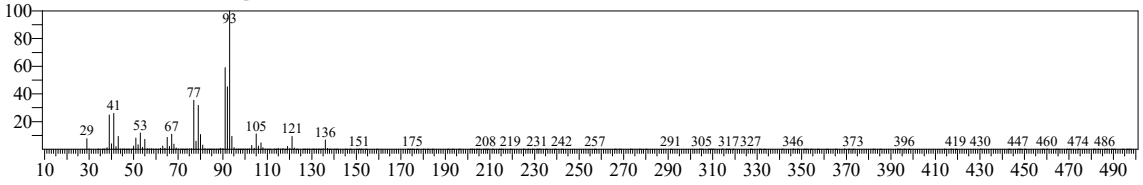
SI:93 Formula:C10H16 CAS:13466-78-9 MolWeight:136 RetIndex:948

CompName:3-Carene $$ Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- $$ delta-3-Carene $$ 3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene $$ .delta. 3-carene $$ 3,7

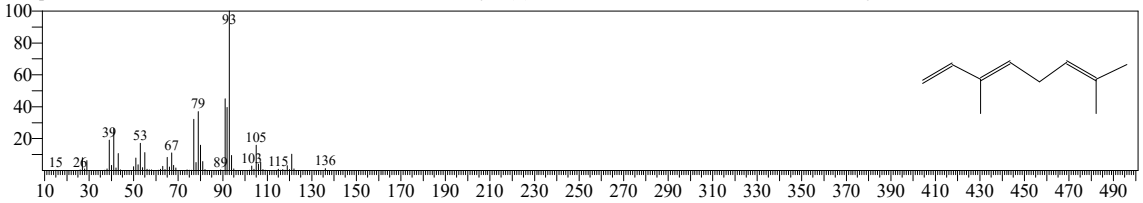


Qualitative Analysis Report

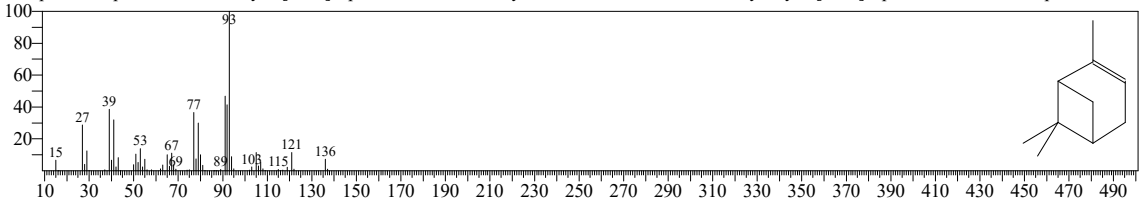
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BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



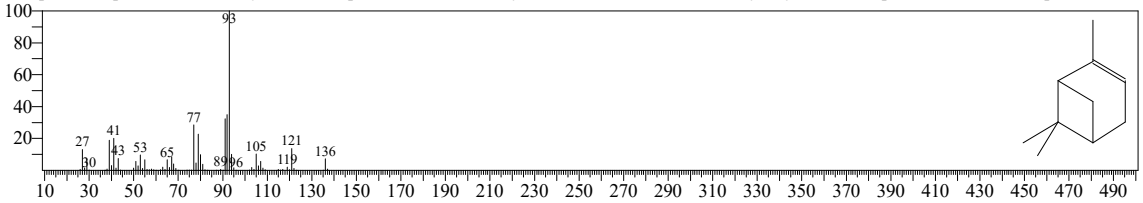
Hit#:1 Entry:7958 Library:NIST17R.lib
SI:96 Formula:C10H16 CAS:3779-61-1 MolWeight:136 RetIndex:976
CompName:trans-.beta.-Ocimene $$ 1,3,6-Octatriene, 3,7-dimethyl-, (E)- $$ .beta.-trans-Ocimene $$ trans-3,7-Dimethyl-1,3,6-Octatriene $$ Ocimene, trans



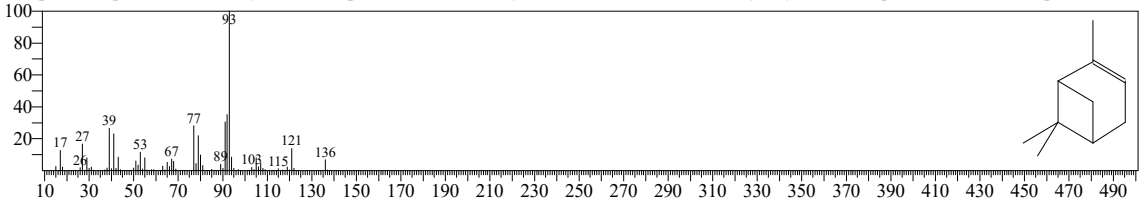
Hit#:2 Entry:10389 Library:NIST17M1.lib
SI:96 Formula:C10H16 CAS:80-56-8 MolWeight:136 RetIndex:948
CompName:.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- $$ 2-Pinene $$ 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ Pinene, .alpha. $$ 2,6,6



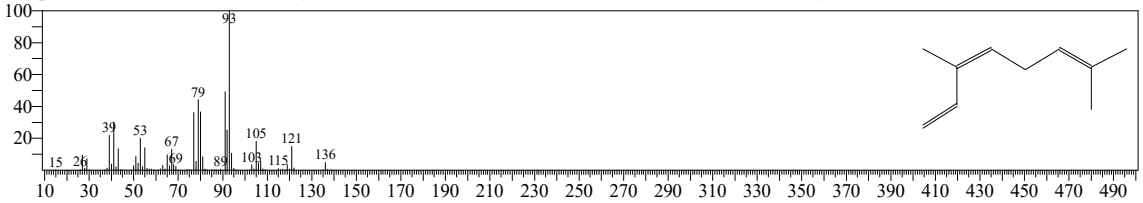
Hit#:3 Entry:7964 Library:NIST17R.lib
SI:95 Formula:C10H16 CAS:80-56-8 MolWeight:136 RetIndex:948
CompName:.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- $$ 2-Pinene $$ 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ Pinene, .alpha. $$ 2,6,6



Hit#:4 Entry:7963 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:80-56-8 MolWeight:136 RetIndex:948
CompName:.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- $$ 2-Pinene $$ 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ Pinene, .alpha. $$ 2,6,6

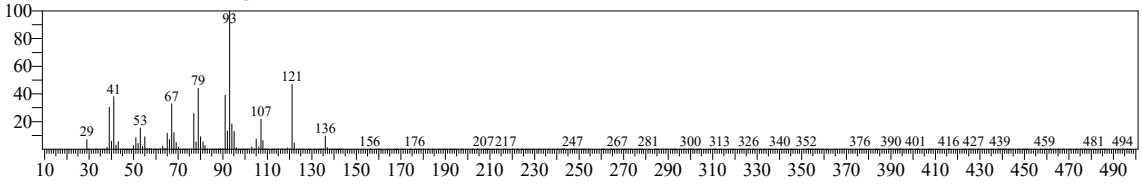


Hit#:5 Entry:7956 Library:NIST17R.lib
SI:93 Formula:C10H16 CAS:3338-55-4 MolWeight:136 RetIndex:976
CompName:1,3,6-Octatriene, 3,7-dimethyl-, (Z)- $$ .beta.-cis-Ocimene $$ cis-.beta.-Ocimene $$ cis-3,7-Dimethyl-1,3,6-octatriene $$ Ocimene, cis-.beta.- $

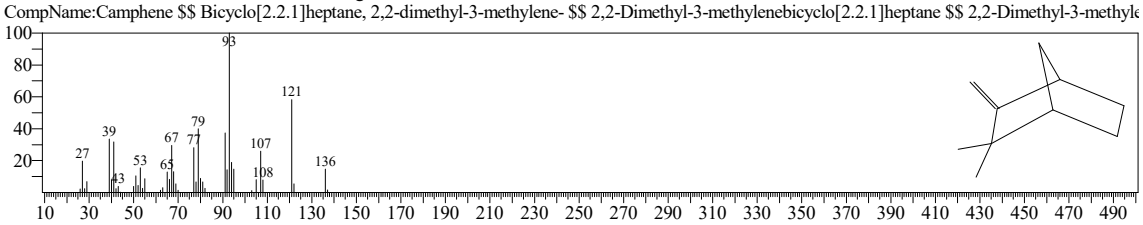


Qualitative Analysis Report

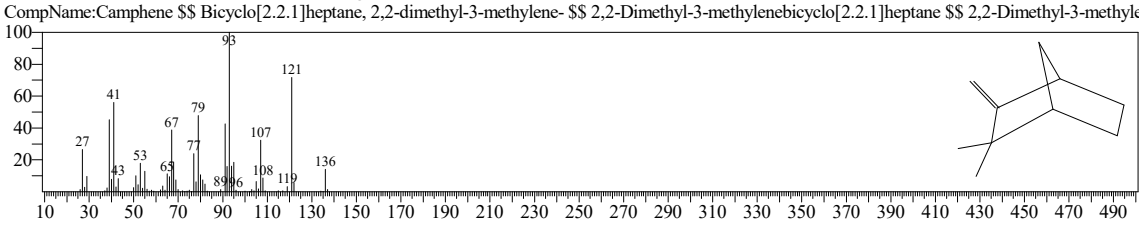
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Line#:3 R.Time:8.820(Scan#:1165) MassPeaks:278
RawMode:Averaged 8.815-8.825(1164-1166) BasePeak:93.05(795547)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



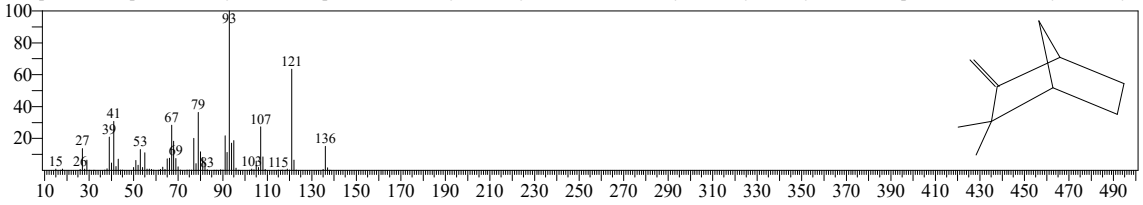
Hit#:1 Entry:10397 Library:NIST17M1.lib
SI:96 Formula:C10H16 CAS:79-92-5 MolWeight:136 RetIndex:943
CompName:Camphene $$ Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- $$ 2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane $$ 2,2-Dimethyl-3-methyle



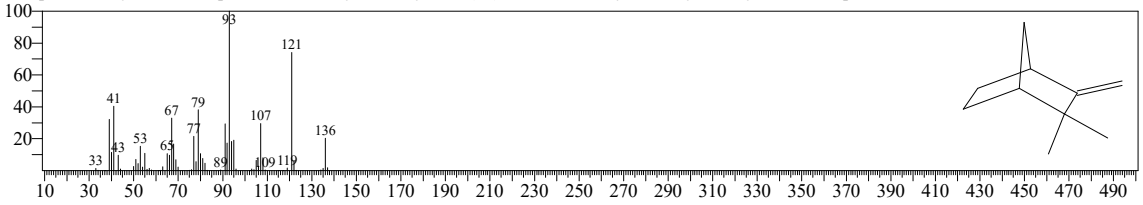
Hit#:2 Entry:7966 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:79-92-5 MolWeight:136 RetIndex:943
CompName:Camphene $$ Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- $$ 2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane $$ 2,2-Dimethyl-3-methyle



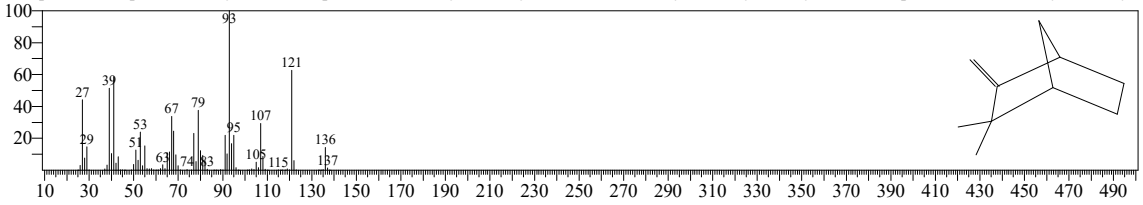
Hit#:3 Entry:7967 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:79-92-5 MolWeight:136 RetIndex:943
CompName:Camphene $$ Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- $$ 2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane $$ 2,2-Dimethyl-3-methyle



Hit#:4 Entry:10395 Library:NIST17M1.lib
SI:94 Formula:C10H16 CAS:5794-04-7 MolWeight:136 RetIndex:943
CompName:Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-, (1S)- $$ 2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane

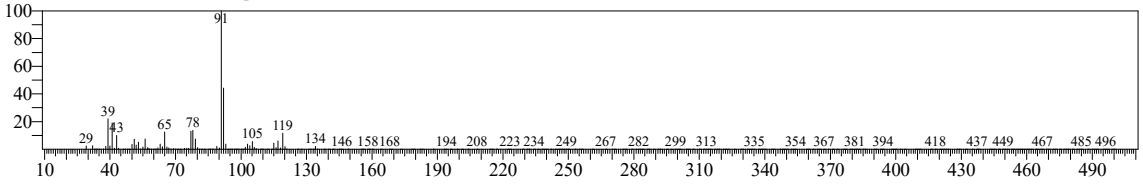


Hit#:5 Entry:7965 Library:NIST17R.lib
SI:92 Formula:C10H16 CAS:79-92-5 MolWeight:136 RetIndex:943
CompName:Camphene $$ Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- $$ 2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane $$ 2,2-Dimethyl-3-methyle

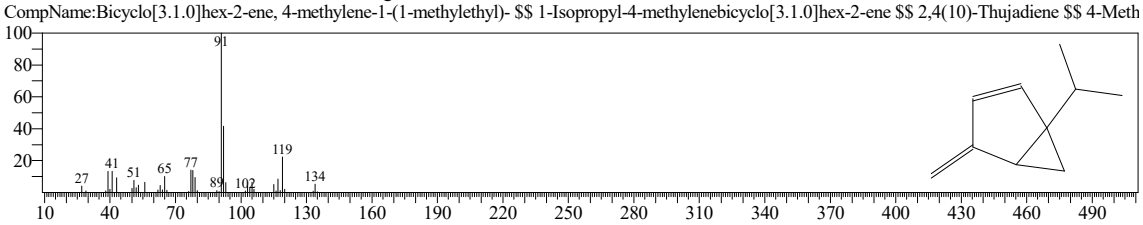


Qualitative Analysis Report

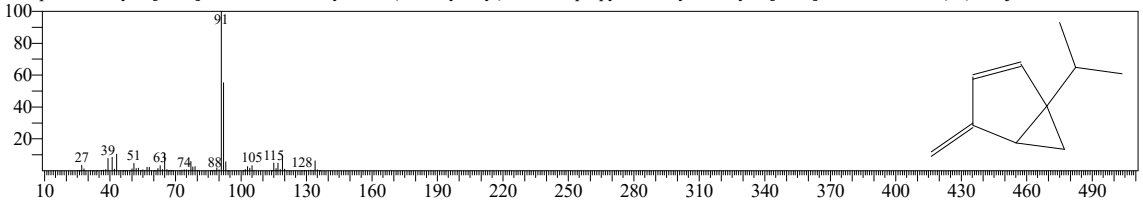
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BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



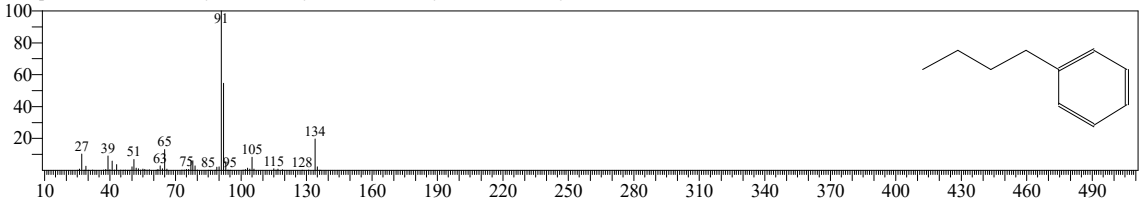
Hit#:1 Entry:7374 Library:NIST17R.lib
SI:94 Formula:C10H14 CAS:36262-09-6 MolWeight:134 RetIndex:879
CompName:Bicyclo[3.1.0]hex-2-ene, 4-methylene-1-(1-methylethyl)- $$ 1-Isopropyl-4-methylenebicyclo[3.1.0]hex-2-ene $$ 2,4(10)-Thujadiene $$ 4-Meth



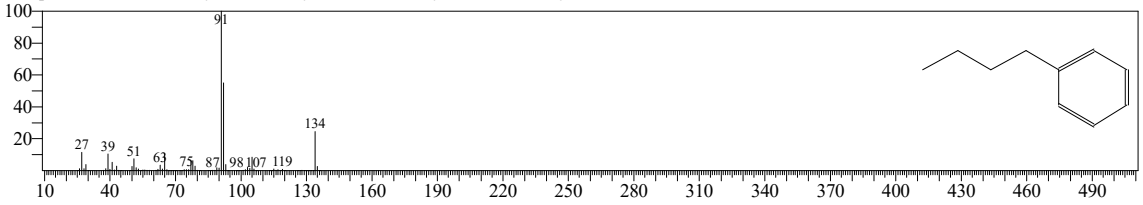
Hit#:2 Entry:9619 Library:NIST17M1.lib
SI:89 Formula:C10H14 CAS:36262-09-6 MolWeight:134 RetIndex:879
CompName:Bicyclo[3.1.0]hex-2-ene, 4-methylene-1-(1-methylethyl)- $$ 1-Isopropyl-4-methylenebicyclo[3.1.0]hex-2-ene $$ 2,4(10)-Thujadiene $$ 4-Meth



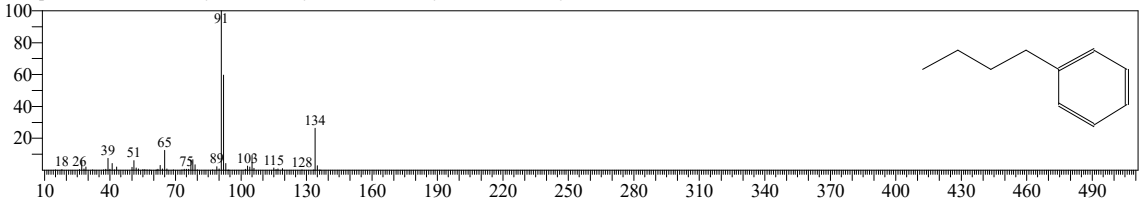
Hit#:3 Entry:7380 Library:NIST17R.lib
SI:88 Formula:C10H14 CAS:104-51-8 MolWeight:134 RetIndex:1092
CompName:Benzene, n-butyl- $$ 1-Phenylbutane $$ n-Butylbenzene $$ Butylbenzene $$ UN 2709



Hit#:4 Entry:7379 Library:NIST17R.lib
SI:87 Formula:C10H14 CAS:104-51-8 MolWeight:134 RetIndex:1092
CompName:Benzene, n-butyl- $$ 1-Phenylbutane $$ n-Butylbenzene $$ Butylbenzene $$ UN 2709

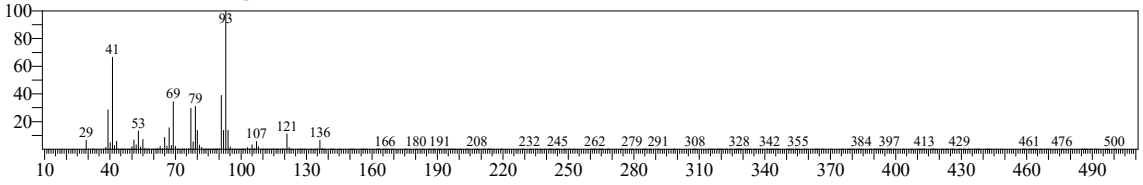


Hit#:5 Entry:9625 Library:NIST17M1.lib
SI:87 Formula:C10H14 CAS:104-51-8 MolWeight:134 RetIndex:1092
CompName:Benzene, n-butyl- $$ 1-Phenylbutane $$ n-Butylbenzene $$ Butylbenzene $$ UN 2709

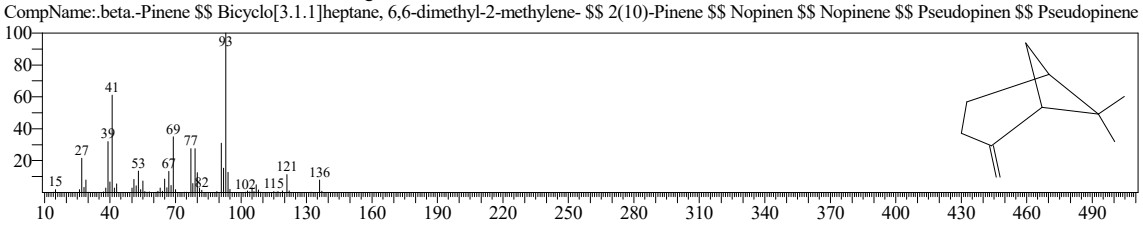


Qualitative Analysis Report

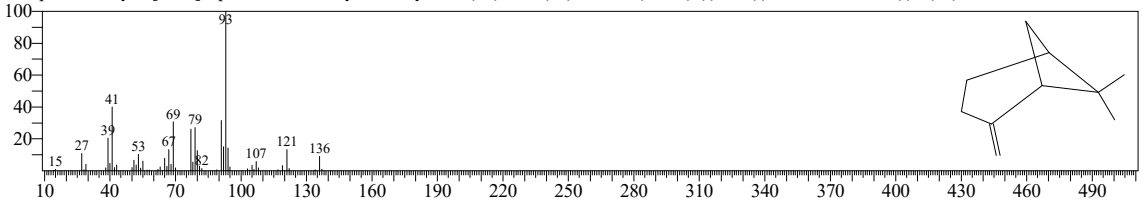
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RawMode:Averaged 9.675-9.685(1336-1338) BasePeak:93.05(394945)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



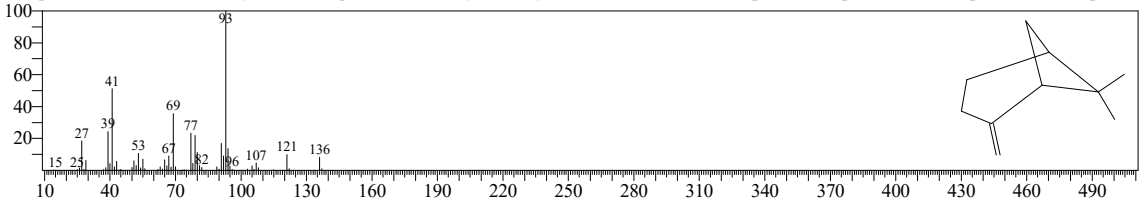
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SI:97 Formula:C10H16 CAS:127-91-3 MolWeight:136 RetIndex:943
CompName:.beta.-Pinene $$ Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- $$ 2(10)-Pinene $$ Nopinen $$ Nopinene $$ Pseudopinen $$ Pseudopinene



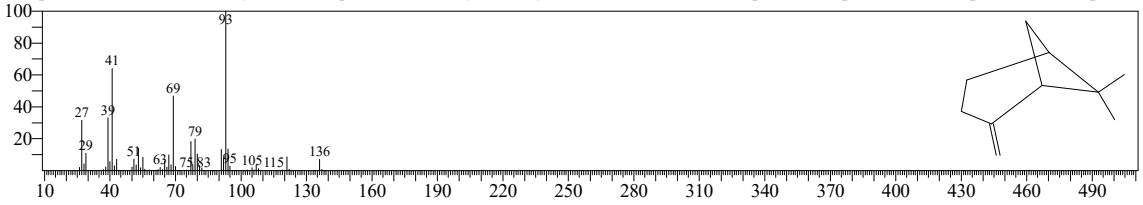
Hit#:2 Entry:7929 Library:NIST17R.lib
SI:95 Formula:C10H16 CAS:18172-67-3 MolWeight:136 RetIndex:943
CompName:Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)- $$ 2(10)-Pinene, (1S,5S)-(-)- $$ (-)-.beta.-Pinene $$ (-)-2(10)-Pinene $$ L-.beta.-Piner



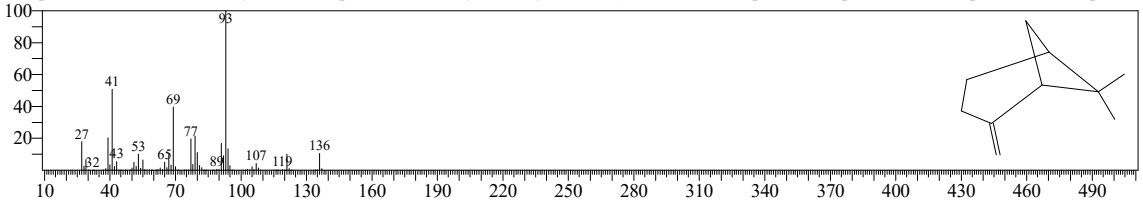
Hit#:3 Entry:7920 Library:NIST17R.lib
SI:95 Formula:C10H16 CAS:127-91-3 MolWeight:136 RetIndex:943
CompName:.beta.-Pinene $$ Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- $$ 2(10)-Pinene $$ Nopinen $$ Nopinene $$ Pseudopinen $$ Pseudopinene



Hit#:4 Entry:7919 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:127-91-3 MolWeight:136 RetIndex:943
CompName:.beta.-Pinene $$ Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- $$ 2(10)-Pinene $$ Nopinen $$ Nopinene $$ Pseudopinen $$ Pseudopinene

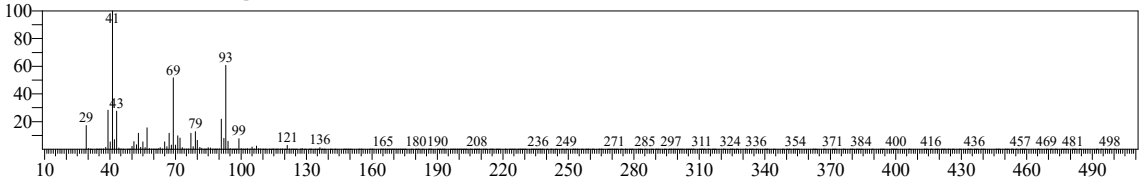


Hit#:5 Entry:7921 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:127-91-3 MolWeight:136 RetIndex:943
CompName:.beta.-Pinene $$ Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- $$ 2(10)-Pinene $$ Nopinen $$ Nopinene $$ Pseudopinen $$ Pseudopinene

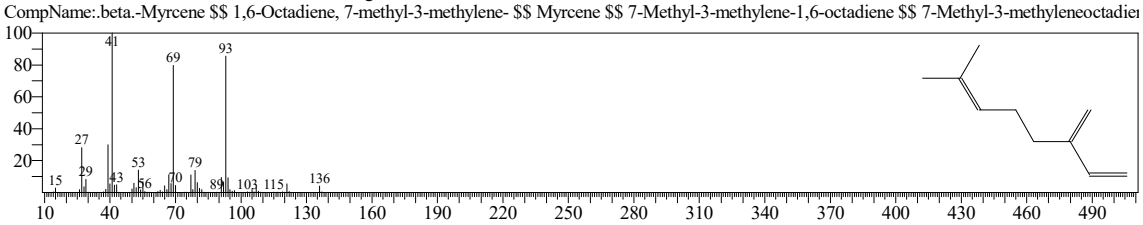


Qualitative Analysis Report

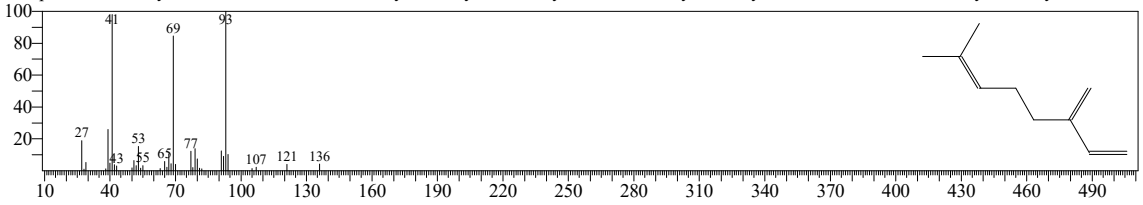
<< Target >>
Line#:6 R.Time:10.055(Scan#:1412) MassPeaks:289
RawMode:Averaged 10.050-10.060(1411-1413) BasePeak:41.05(848329)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



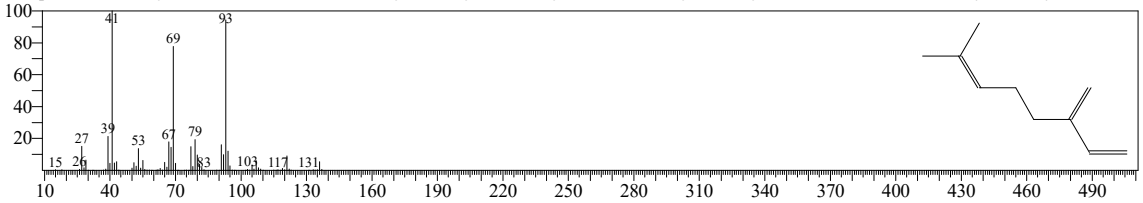
Hit#:1 Entry:10297 Library:NIST17M1.lib
SI:88 Formula:C10H16 CAS:123-35-3 MolWeight:136 RetIndex:958
CompName:.beta.-Myrcene $$ 1,6-Octadiene, 7-methyl-3-methylene- $$ Myrcene $$ 7-Methyl-3-methylene-1,6-octadiene $$ 7-Methyl-3-methyleneoctadie



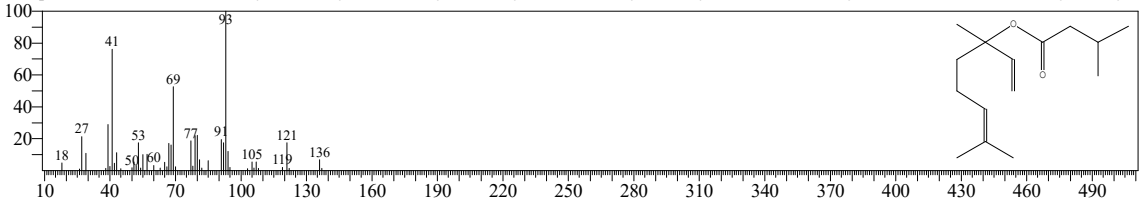
Hit#:2 Entry:7923 Library:NIST17R.lib
SI:87 Formula:C10H16 CAS:123-35-3 MolWeight:136 RetIndex:958
CompName:.beta.-Myrcene $$ 1,6-Octadiene, 7-methyl-3-methylene- $$ Myrcene $$ 7-Methyl-3-methylene-1,6-octadiene $$ 7-Methyl-3-methyleneoctadie



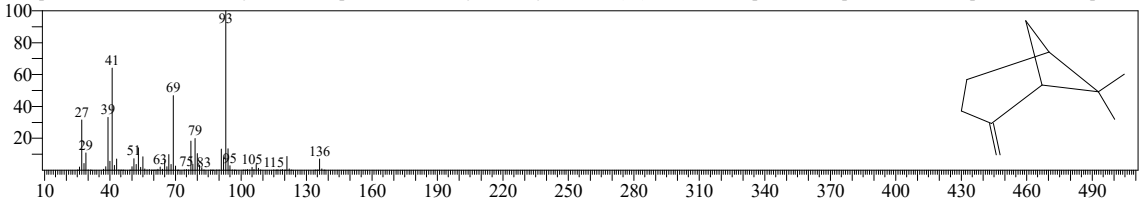
Hit#:3 Entry:7888 Library:NIST17R.lib
SI:86 Formula:C10H16 CAS:123-35-3 MolWeight:136 RetIndex:958
CompName:.beta.-Myrcene $$ 1,6-Octadiene, 7-methyl-3-methylene- $$ Myrcene $$ 7-Methyl-3-methylene-1,6-octadiene $$ 7-Methyl-3-methyleneoctadie



Hit#:4 Entry:27359 Library:NIST17R.lib
SI:85 Formula:C15H26O2 CAS:1118-27-0 MolWeight:238 RetIndex:1506
CompName:Butanoic acid, 3-methyl-, 1-ethenyl-1,5-dimethyl-4-hexenyl ester $$ Linalyl 3-methylbutanoate $$ Linalyl iso-valerate $$ 1,5-Dimethyl-1-vinyl-

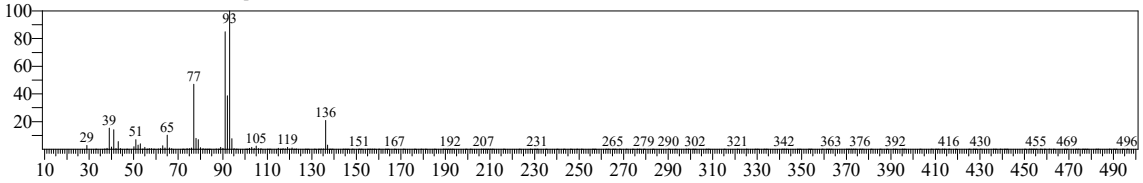


Hit#:5 Entry:7919 Library:NIST17R.lib
SI:85 Formula:C10H16 CAS:127-91-3 MolWeight:136 RetIndex:943
CompName:.beta.-Pinene $$ Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- $$ 2(10)-Pinene $$ Nopinen $$ Nopinene $$ Pseudopinen $$ Pseudopinene

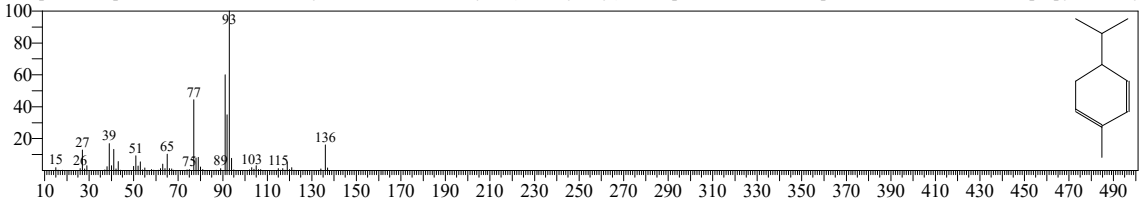


Qualitative Analysis Report

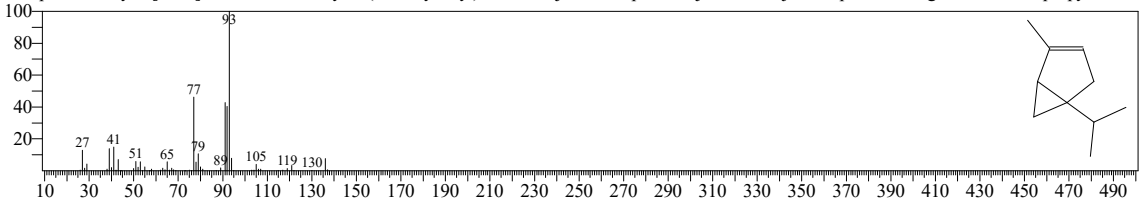
<< Target >>
Line#:7 R.Time:10.565(Scan#:1514) MassPeaks:215
RawMode:Averaged 10.560-10.570(1513-1515) BasePeak:93.05(135304)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



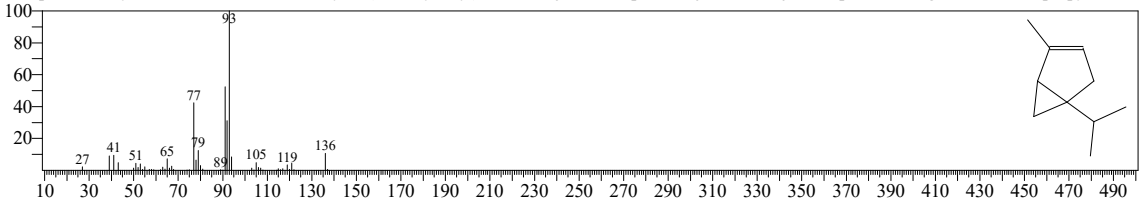
Hit#:1 Entry:7953 Library:NIST17R.lib
SI:95 Formula:C10H16 CAS:99-83-2 MolWeight:136 RetIndex:969
CompName:.alpha.-Phellandrene $$ 1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)- $$ .alpha.-Fellandrene $$ p-Mentha-1,5-diene $$ 5-Isopropyl-2-methy



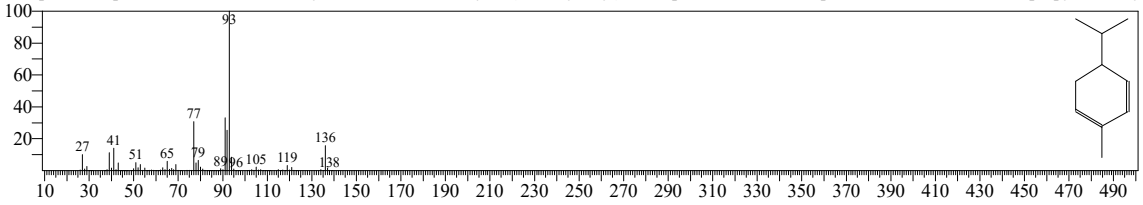
Hit#:2 Entry:7937 Library:NIST17R.lib
SI:93 Formula:C10H16 CAS:2867-05-2 MolWeight:136 RetIndex:902
CompName:Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)- $$ 3-Thujene $$ .alpha.-Thujene $$ Thujene, .alpha.- $$ Origanene $$ 5-Isopropyl-2-met



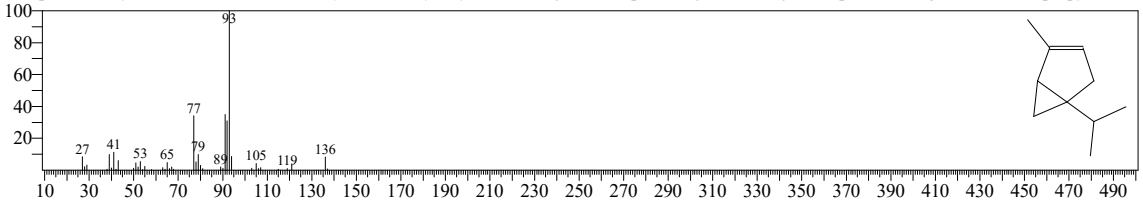
Hit#:3 Entry:10384 Library:NIST17M1.lib
SI:92 Formula:C10H16 CAS:2867-05-2 MolWeight:136 RetIndex:902
CompName:Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)- $$ 3-Thujene $$ .alpha.-Thujene $$ Thujene, .alpha.- $$ Origanene $$ 5-Isopropyl-2-met



Hit#:4 Entry:10385 Library:NIST17M1.lib
SI:91 Formula:C10H16 CAS:99-83-2 MolWeight:136 RetIndex:969
CompName:.alpha.-Phellandrene $$ 1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)- $$ .alpha.-Fellandrene $$ p-Mentha-1,5-diene $$ 5-Isopropyl-2-methy

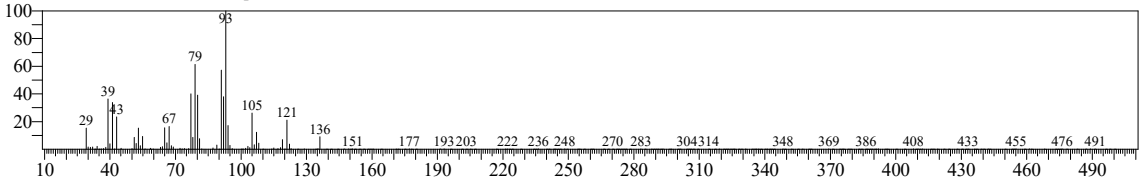


Hit#:5 Entry:7950 Library:NIST17R.lib
SI:90 Formula:C10H16 CAS:2867-05-2 MolWeight:136 RetIndex:902
CompName:Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)- $$ 3-Thujene $$ .alpha.-Thujene $$ Thujene, .alpha.- $$ Origanene $$ 5-Isopropyl-2-met

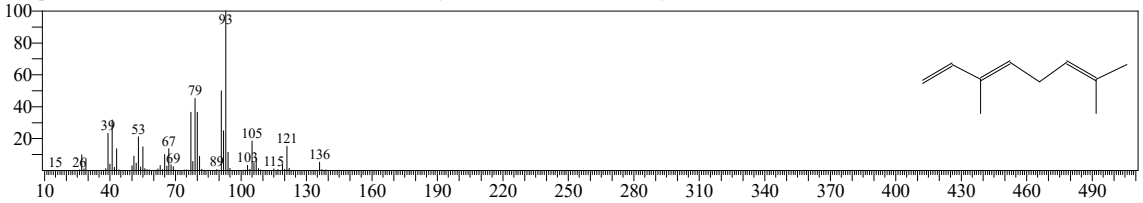


Qualitative Analysis Report

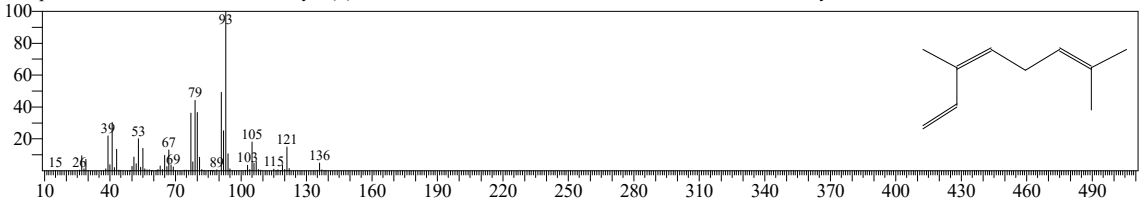
<< Target >>
Line#:8 R.Time:10.635(Scan#:1528) MassPeaks:239
RawMode:Averaged 10.630-10.640(1527-1529) BasePeak:93.00(20164)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



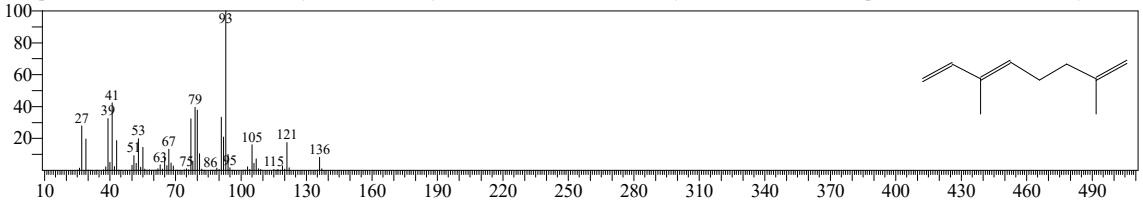
Hit#:1 Entry:10386 Library:NIST17M1.lib
SI:92 Formula:C10H16 CAS:13877-91-3 MolWeight:136 RetIndex:976
CompName:.beta.-Ocimene $$ 1,3,6-Octatriene, 3,7-dimethyl- $$ Ocimene $$ 3,7-Dimethyl-1,3,6-octatriene $$ beta-Ocimene



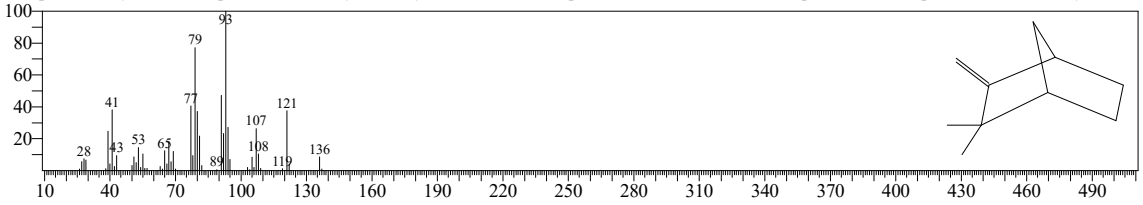
Hit#:2 Entry:7956 Library:NIST17R.lib
SI:92 Formula:C10H16 CAS:3338-55-4 MolWeight:136 RetIndex:976
CompName:1,3,6-Octatriene, 3,7-dimethyl-, (Z)- $$ .beta.-cis-Ocimene $$ cis-.beta.-Ocimene $$ cis-3,7-Dimethyl-1,3,6-octatriene $$ Ocimene, cis-.beta.- $



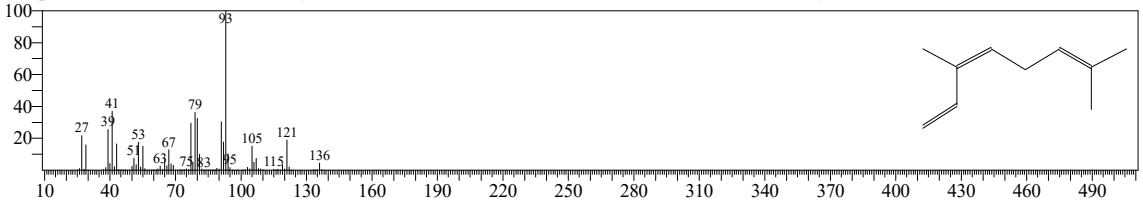
Hit#:3 Entry:10359 Library:NIST17M1.lib
SI:91 Formula:C10H16 CAS:502-99-8 MolWeight:136 RetIndex:958
CompName:1,3,7-Octatriene, 3,7-dimethyl- $$ 2,6-Dimethyl-1,5,7-octatriene $$ 3,7-Dimethyl-1,3,7-octatriene # $$ .alpha.-Ocimene $$ 3,7-Dimethylocta-1,



Hit#:4 Entry:10376 Library:NIST17M1.lib
SI:91 Formula:C10H16 CAS:5794-03-6 MolWeight:136 RetIndex:943
CompName:Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-, (1R)- $$ Camphene, (1R,4S)-(+)- $$ (+)-Camphene $$ d-Camphene $$ 2,2-Dimethyl-3-metl

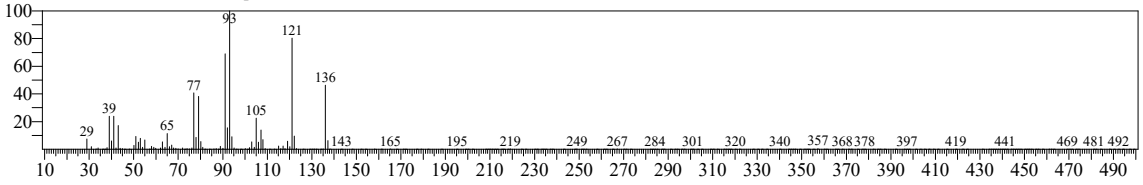


Hit#:5 Entry:7927 Library:NIST17R.lib
SI:90 Formula:C10H16 CAS:3338-55-4 MolWeight:136 RetIndex:976
CompName:1,3,6-Octatriene, 3,7-dimethyl-, (Z)- $$ .beta.-cis-Ocimene $$ cis-.beta.-Ocimene $$ cis-3,7-Dimethyl-1,3,6-octatriene $$ Ocimene, cis-.beta.- $

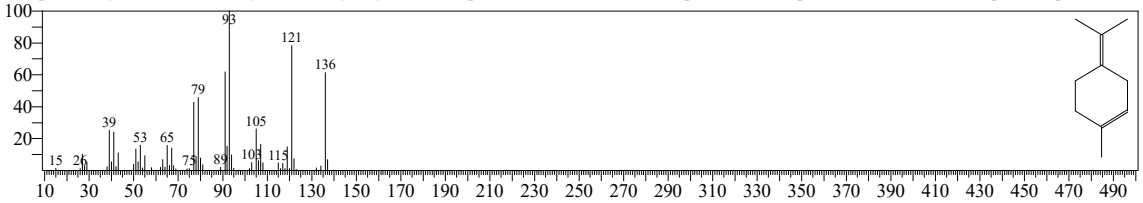


Qualitative Analysis Report

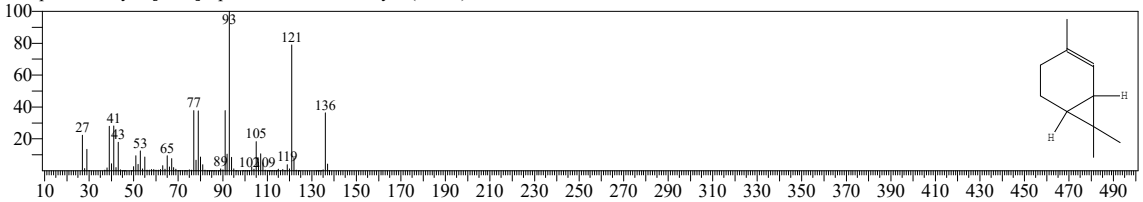
<< Target >>
Line#:9 R.Time:10.895(Scan#:1580) MassPeaks:247
RawMode:Averaged 10.890-10.900(1579-1581) BasePeak:93.10(39850)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



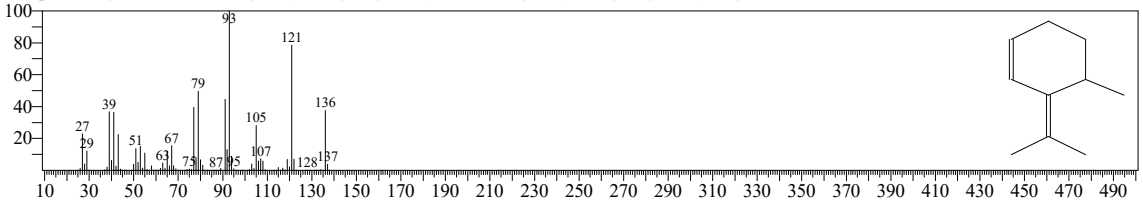
Hit#:1 Entry:10404 Library:NIST17M1.lib
SI:95 Formula:C10H16 CAS:586-62-9 MolWeight:136 RetIndex:1052
CompName:Cyclohexene, 1-methyl-4-(1-methylethylidene)- $$ p-Mentha-1,4(8)-diene $$ Terpinolene $$ Terpinolen $$ UN 2541 $$ .alpha.- Terpinolen $$



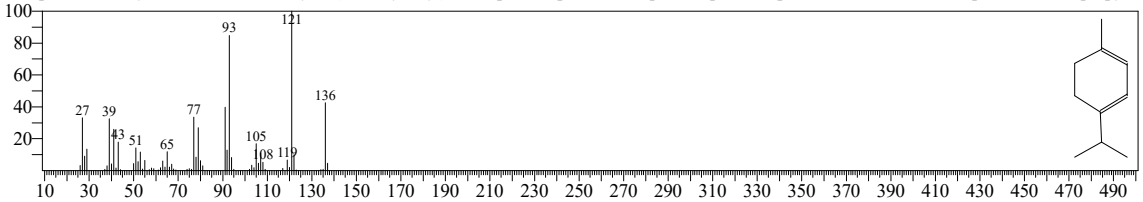
Hit#:2 Entry:10396 Library:NIST17M1.lib
SI:95 Formula:C10H16 CAS:4497-92-1 MolWeight:136 RetIndex:948
CompName:Bicyclo[4.1.0]hept-2-ene, 3,7,7-trimethyl-, (1S-cis)-



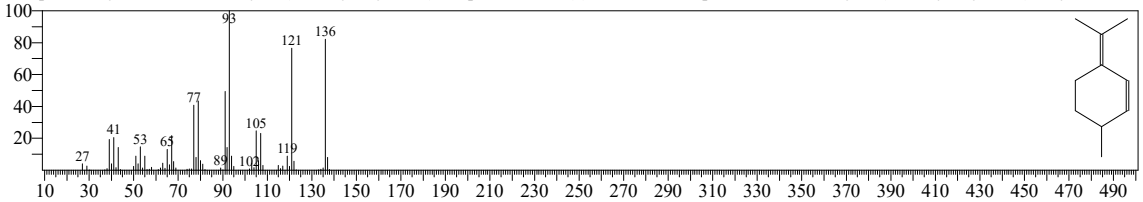
Hit#:3 Entry:10402 Library:NIST17M1.lib
SI:94 Formula:C10H16 CAS:99805-90-0 MolWeight:136 RetIndex:1023
CompName:Cyclohexene, 4-methyl-3-(1-methylethylidene)- $$ 4-Methyl-3-(1-methylethylidene)-1-cyclohexene #



Hit#:4 Entry:10430 Library:NIST17M1.lib
SI:93 Formula:C10H16 CAS:99-86-5 MolWeight:136 RetIndex:998
CompName:1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- $$ .alpha.-Terpinene $$ .alpha.-Terpinen $$ p-Mentha-1,3-diene $$ Terpilene $$ 1-Isopropyl-4

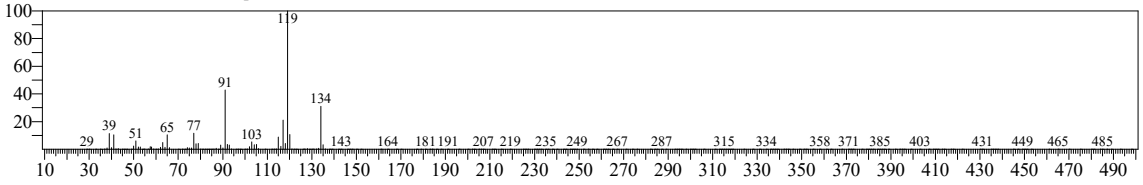


Hit#:5 Entry:10409 Library:NIST17M1.lib
SI:93 Formula:C10H16 CAS:586-63-0 MolWeight:136 RetIndex:1023
CompName:Cyclohexene, 3-methyl-6-(1-methylethylidene)- $$ p-Mentha-2,4(8)-diene $$ Isoterpinolene $$ 3-Methyl-6-(1-methylethylidene)-1-cyclohexene

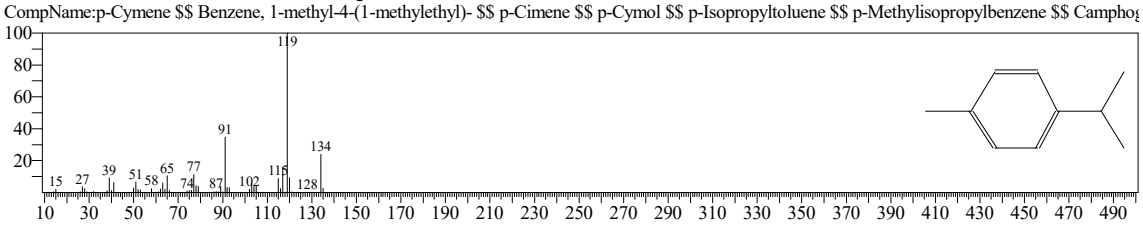


Qualitative Analysis Report

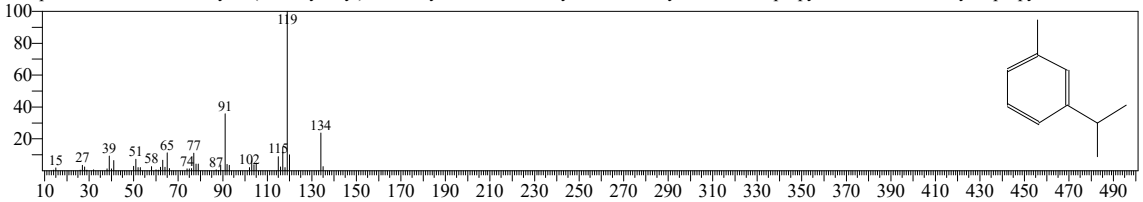
<< Target >>
Line#:10 R.Time:11.180(Scan#:1637) MassPeaks:245
RawMode:Averaged 11.175-11.185(1636-1638) BasePeak:119.10(263925)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



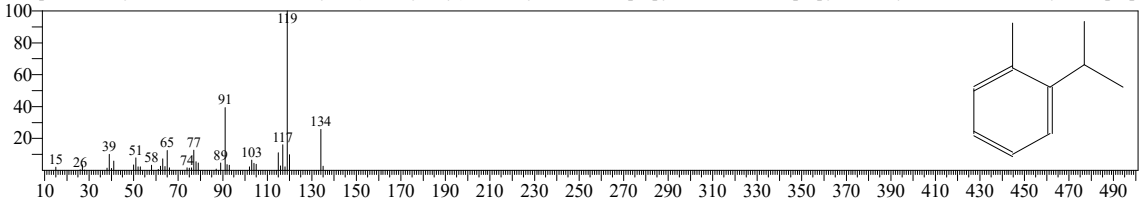
Hit#:1 Entry:7405 Library:NIST17R.lib
SI:96 Formula:C10H14 CAS:99-87-6 MolWeight:134 RetIndex:1042
CompName:p-Cymene $$ Benzene, 1-methyl-4-(1-methylethyl)- $$ p-Cimene $$ p-Cymol $$ p-Isopropyltoluene $$ p-Methylisopropylbenzene $$ Camphog



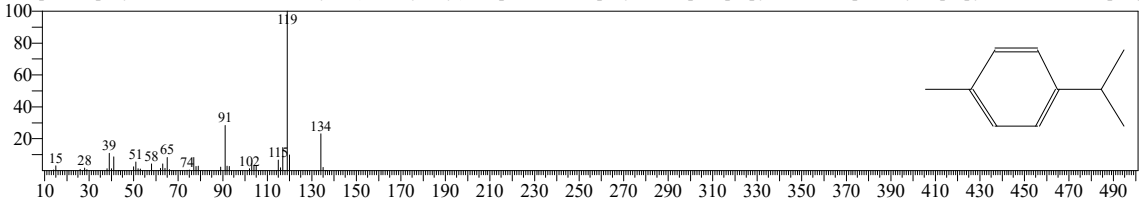
Hit#:2 Entry:7410 Library:NIST17R.lib
SI:95 Formula:C10H14 CAS:535-77-3 MolWeight:134 RetIndex:1042
CompName:Benzene, 1-methyl-3-(1-methylethyl)- $$ m-Cymene $$ .beta.-Cymene $$ m-Cymol $$ m-Isopropyltoluene $$ m-Methylisopropylbenzene $$ 1-



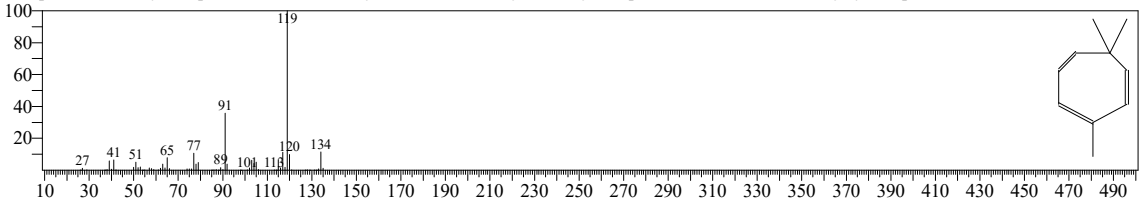
Hit#:3 Entry:9655 Library:NIST17M1.lib
SI:95 Formula:C10H14 CAS:527-84-4 MolWeight:134 RetIndex:1042
CompName:o-Cymene $$ Benzene, 1-methyl-2-(1-methylethyl)- $$ o-Cymol $$ o-Isopropyltoluene $$ 1-Isopropyl-2-methylbenzene $$ 1-Methyl-2-isoprop



Hit#:4 Entry:7406 Library:NIST17R.lib
SI:94 Formula:C10H14 CAS:99-87-6 MolWeight:134 RetIndex:1042
CompName:p-Cymene $$ Benzene, 1-methyl-4-(1-methylethyl)- $$ p-Cimene $$ p-Cymol $$ p-Isopropyltoluene $$ p-Methylisopropylbenzene $$ Camphog

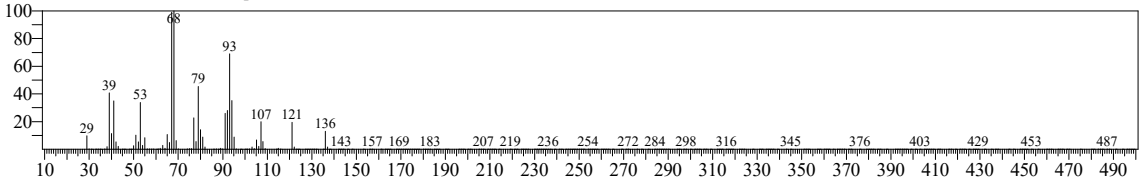


Hit#:5 Entry:9653 Library:NIST17M1.lib
SI:94 Formula:C10H14 CAS:3479-89-8 MolWeight:134 RetIndex:1010
CompName:1,3,5-Cycloheptatriene, 3,7,7-trimethyl- $$ 3,7,7-Trimethyl-1,3,5-cycloheptatriene # $$ 3,7,7-Trimethylcyclohepta-1,3,5-triene

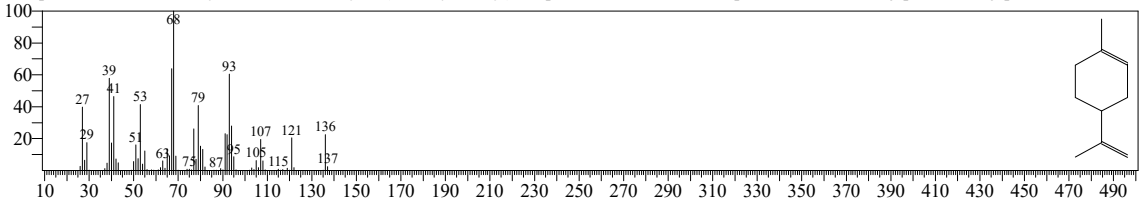


Qualitative Analysis Report

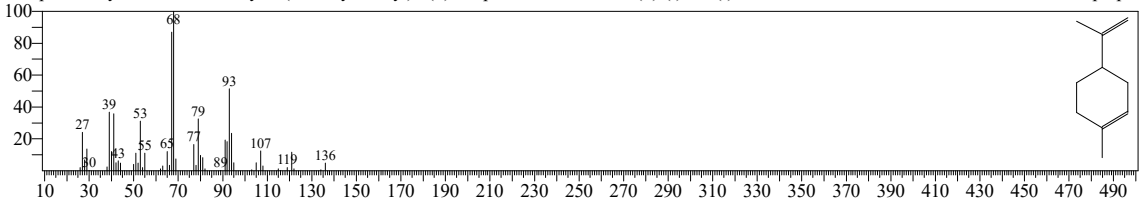
<< Target >>
Line#:11 R.Time:11.285(Scan#:1658) MassPeaks:295
RawMode:Averaged 11.280-11.290(1657-1659) BasePeak:68.05(323592)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



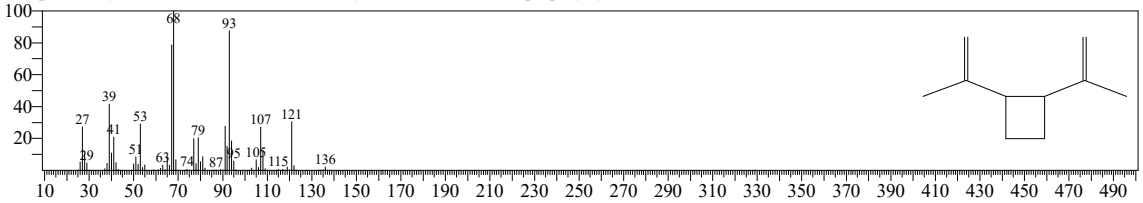
Hit#:1 Entry:7897 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:138-86-3 MolWeight:136 RetIndex:1018
CompName:Limonene $$ Cyclohexene, 1-methyl-4-(1-methylethenyl)- $$ p-Mentha-1,8-diene $$ .alpha.-Limonene $$ Cajeputen $$ Cajeputene $$ Cinen $



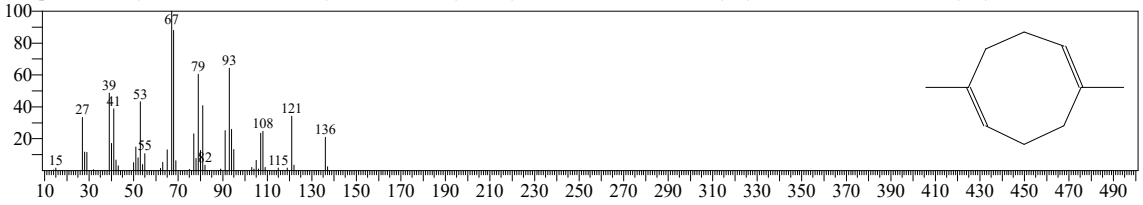
Hit#:2 Entry:7898 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:5989-54-8 MolWeight:136 RetIndex:1018
CompName:Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (S)- $$ p-Mentha-1,8-diene, (S)-(-)- $$ (-)-Limonene $$ L-Limonene $$ Limonene $$ 4-Isoproper



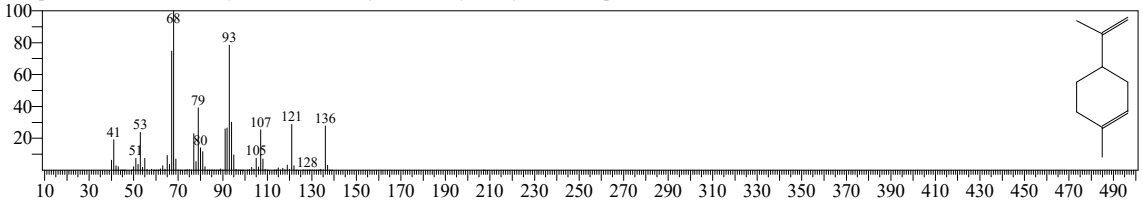
Hit#:3 Entry:10324 Library:NIST17M1.lib
SI:93 Formula:C10H16 CAS:19465-02-2 MolWeight:136 RetIndex:934
CompName:Cyclobutane, 1,2-bis(1-methylethenyl)-, trans- $$ 1,2-Diisopropenylcyclobutane #



Hit#:4 Entry:10306 Library:NIST17M1.lib
SI:92 Formula:C10H16 CAS:3760-14-3 MolWeight:136 RetIndex:1103
CompName:1,5-Cyclooctadiene, 1,5-dimethyl- $$ 1,5-Dimethyl-1,5-cyclooctadiene $$ 1,5-Dimethyl cyclooctadiene $$ 1,5-Dimethyl-cycloocta-1,5-diene

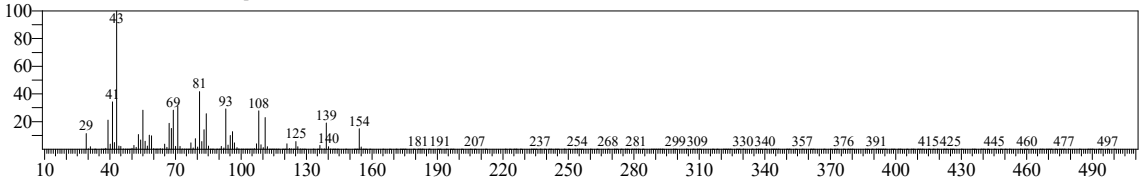


Hit#:5 Entry:7903 Library:NIST17R.lib
SI:91 Formula:C10H16 CAS:5989-27-5 MolWeight:136 RetIndex:1018
CompName:D-Limonene $$ Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- $$ p-Mentha-1,8-diene, (R)-(+)- $$ (+)-(R)-Limonene $$ (+)-(4R)-Limonene

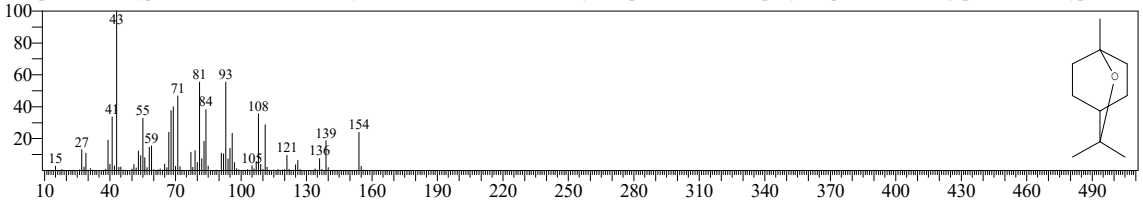


Qualitative Analysis Report

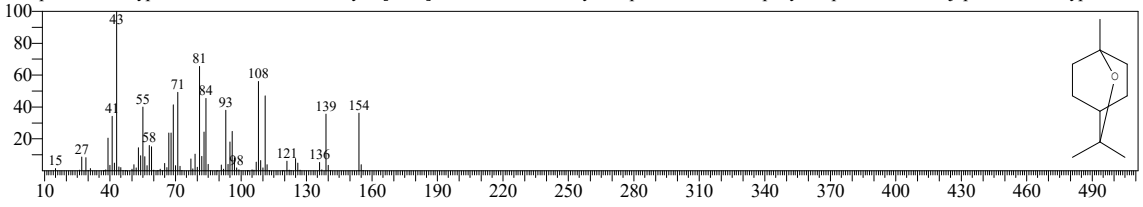
<< Target >>
Line#:12 R.Time:11.440(Scan#:1689) MassPeaks:269
RawMode:Averaged 11.435-11.445(1688-1690) BasePeak:43.00(1783003)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



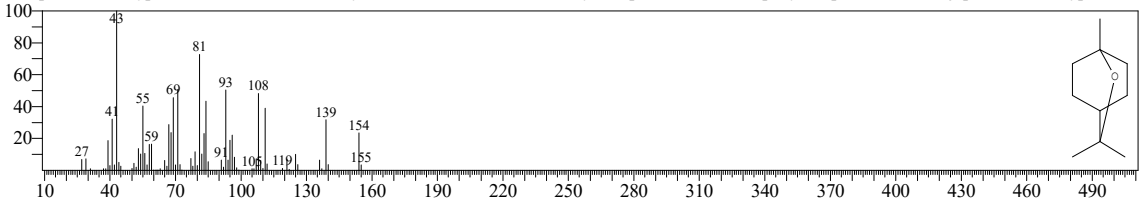
Hit#:1 Entry:11920 Library:NIST17R.lib
SI:91 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I



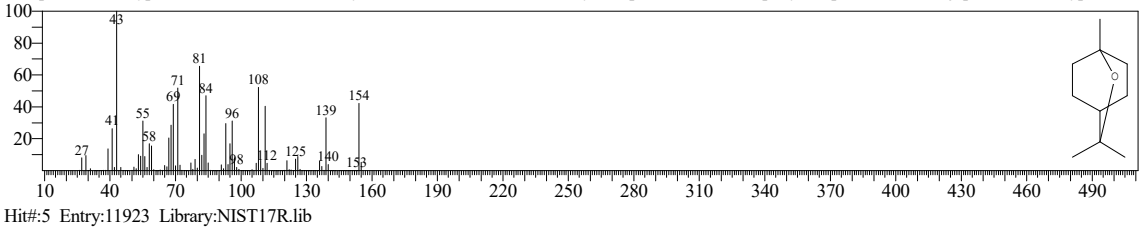
Hit#:2 Entry:18703 Library:NIST17M1.lib
SI:90 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I



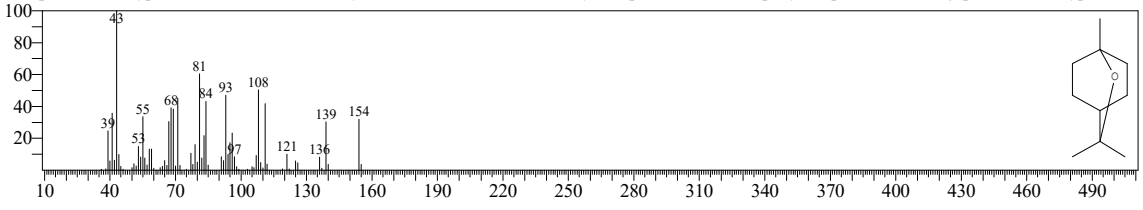
Hit#:3 Entry:11919 Library:NIST17R.lib
SI:89 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I



Hit#:4 Entry:11922 Library:NIST17R.lib
SI:89 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I

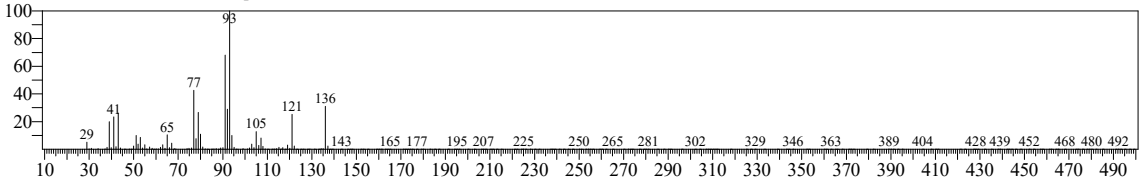


Hit#:5 Entry:11923 Library:NIST17R.lib
SI:88 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I

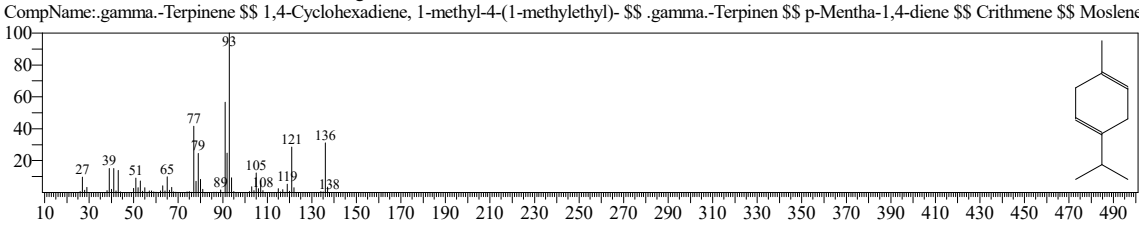


Qualitative Analysis Report

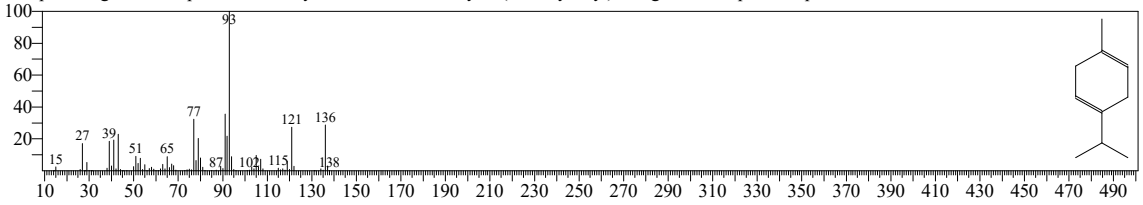
<< Target >>
Line#:13 R.Time:12.185(Scan#:1838) MassPeaks:243
RawMode:Averaged 12.180-12.190(1837-1839) BasePeak:93.05(70742)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



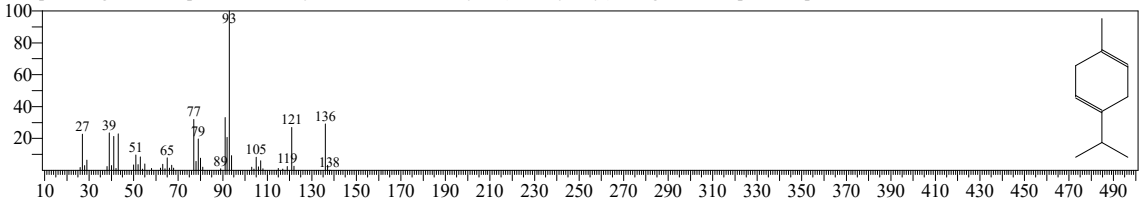
Hit#:1 Entry:7949 Library:NIST17R.lib
SI:96 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:998
CompName:.gamma.-Terpinene $$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- $$ .gamma.-Terpinen $$ p-Mentha-1,4-diene $$ Crithmene $$ Moslene



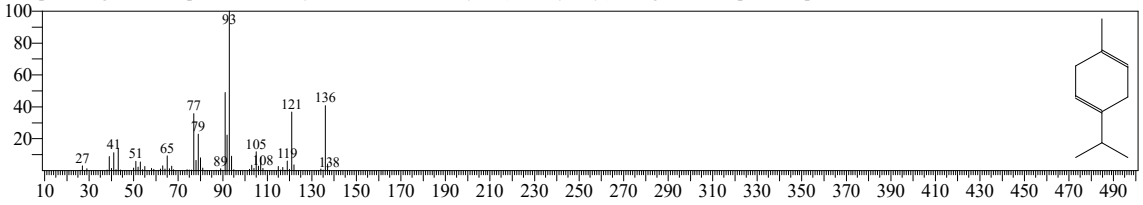
Hit#:2 Entry:7948 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:998
CompName:.gamma.-Terpinene $$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- $$ .gamma.-Terpinen $$ p-Mentha-1,4-diene $$ Crithmene $$ Moslene



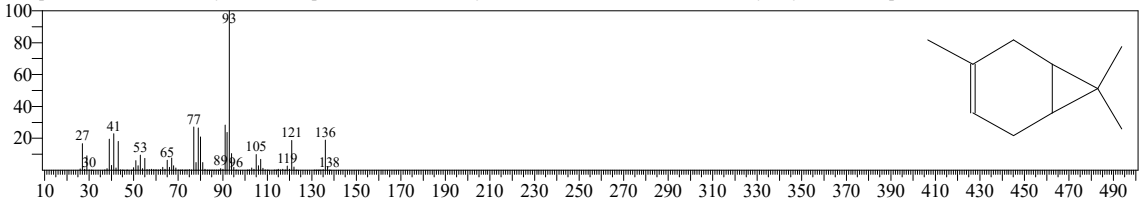
Hit#:3 Entry:7947 Library:NIST17R.lib
SI:94 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:998
CompName:.gamma.-Terpinene $$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- $$ .gamma.-Terpinen $$ p-Mentha-1,4-diene $$ Crithmene $$ Moslene



Hit#:4 Entry:7959 Library:NIST17R.lib
SI:92 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:998
CompName:.gamma.-Terpinene $$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- $$ .gamma.-Terpinen $$ p-Mentha-1,4-diene $$ Crithmene $$ Moslene

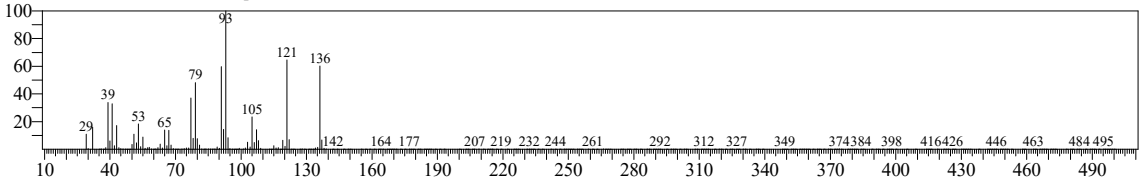


Hit#:5 Entry:7951 Library:NIST17R.lib
SI:91 Formula:C10H16 CAS:13466-78-9 MolWeight:136 RetIndex:948
CompName:3-Carene $$ Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- $$ delta-3-Carene $$ 3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene $$ .delta. 3-carene $$ 3,7

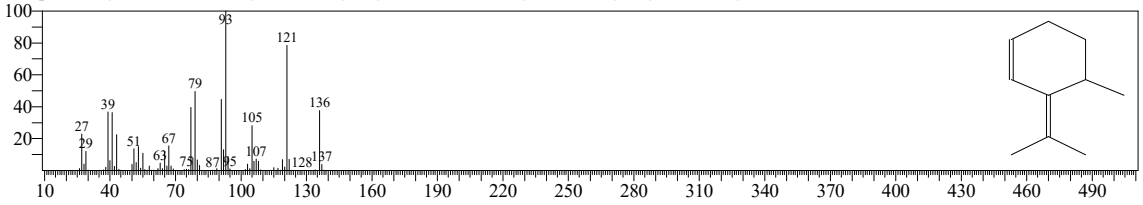


Qualitative Analysis Report

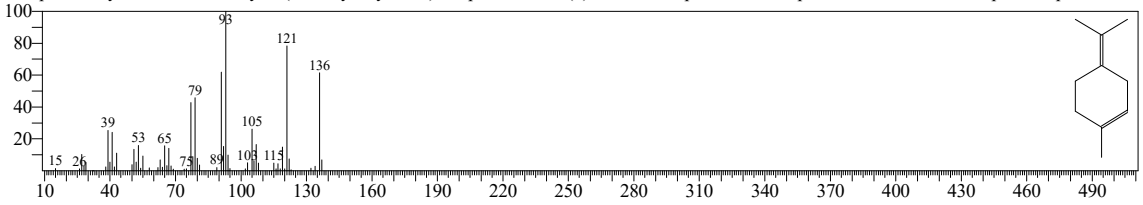
<< Target >>
Line#:14 R.Time:13.020(Scan#:2005) MassPeaks:301
RawMode:Averaged 13.015-13.025(2004-2006) BasePeak:93.05(57482)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



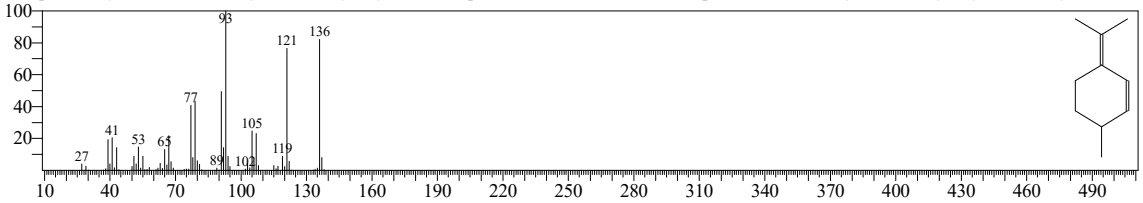
Hit#:1 Entry:10402 Library:NIST17M1.lib
SI:95 Formula:C10H16 CAS:99805-90-0 MolWeight:136 RetIndex:1023
CompName:Cyclohexene, 4-methyl-3-(1-methylethylidene)- $$ 4-Methyl-3-(1-methylethylidene)-1-cyclohexene #



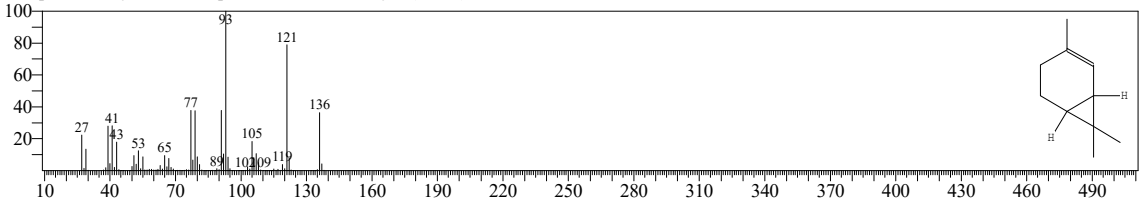
Hit#:2 Entry:10404 Library:NIST17M1.lib
SI:94 Formula:C10H16 CAS:586-62-9 MolWeight:136 RetIndex:1052
CompName:Cyclohexene, 1-methyl-4-(1-methylethylidene)- $$ p-Mentha-1,4(8)-diene $$ Terpinolene $$ Terpinolen $$ UN 2541 $$ .alpha.- Terpinolen $$



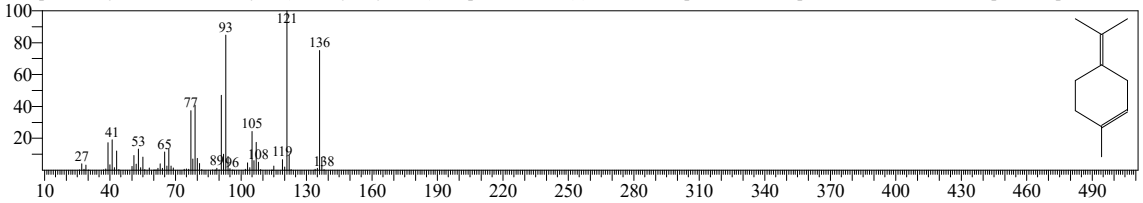
Hit#:3 Entry:10409 Library:NIST17M1.lib
SI:93 Formula:C10H16 CAS:586-63-0 MolWeight:136 RetIndex:1023
CompName:Cyclohexene, 3-methyl-6-(1-methylethylidene)- $$ p-Mentha-2,4(8)-diene $$ Isoterpinolene $$ 3-Methyl-6-(1-methylethylidene)-1-cyclohexene



Hit#:4 Entry:10396 Library:NIST17M1.lib
SI:93 Formula:C10H16 CAS:4497-92-1 MolWeight:136 RetIndex:948
CompName:Bicyclo[4.1.0]hept-2-ene, 3,7,7-trimethyl-, (1S-cis)-

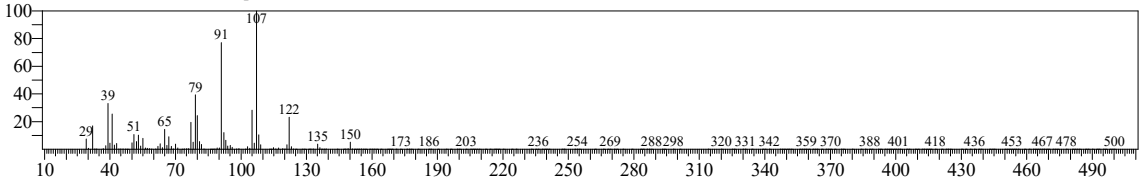


Hit#:5 Entry:7984 Library:NIST17R.lib
SI:92 Formula:C10H16 CAS:586-62-9 MolWeight:136 RetIndex:1052
CompName:Cyclohexene, 1-methyl-4-(1-methylethylidene)- $$ p-Mentha-1,4(8)-diene $$ Terpinolene $$ Terpinolen $$ UN 2541 $$ .alpha.- Terpinolen $$

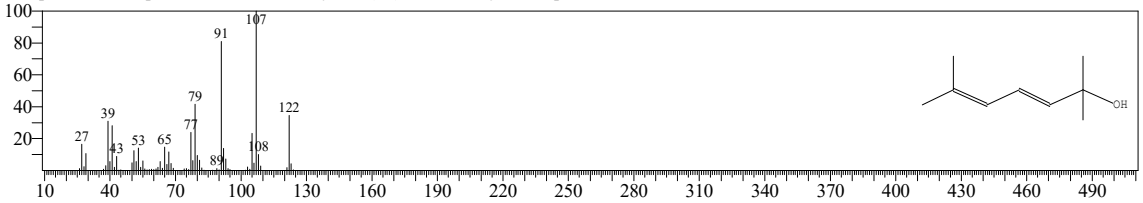


Qualitative Analysis Report

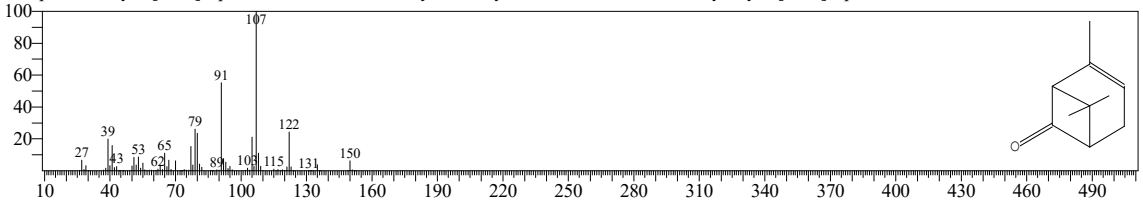
<< Target >>
Line#:15 R.Time:14.270(Scan#:2255) MassPeaks:272
RawMode:Averaged 14.265-14.275(2254-2256) BasePeak:107.10(42909)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



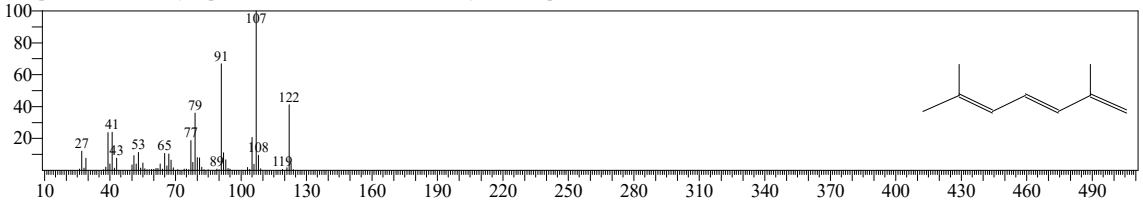
Hit#:1 Entry:12027 Library:NIST17M1.lib
SI:92 Formula:C9H16O CAS:77411-76-8 MolWeight:140 RetIndex:1001
CompName:3,5-Heptadien-2-ol, 2,6-dimethyl- $$ (3E)-2,6-Dimethyl-3,5-heptadien-2-ol #



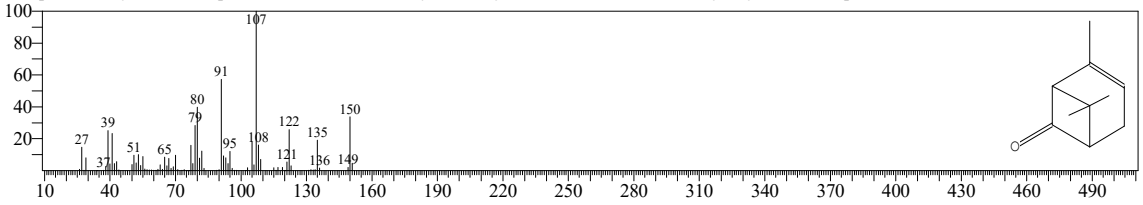
Hit#:2 Entry:10824 Library:NIST17R.lib
SI:92 Formula:C10H14O CAS:473-06-3 MolWeight:150 RetIndex:1119
CompName:Bicyclo[3.1.1]hept-2-en-6-one, 2,7,7-trimethyl- $$ Chrysanthenone $$ 2,7,7-Trimethylbicyclo[3.1.1]hept-2-en-6-one # $$ 2-Pinen-7-one



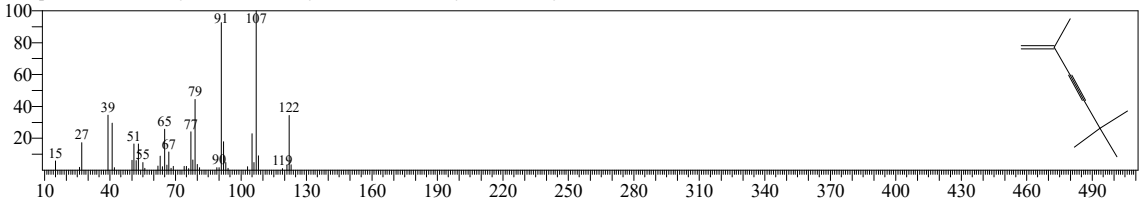
Hit#:3 Entry:5956 Library:NIST17M1.lib
SI:91 Formula:C9H14 CAS:0-00-0 MolWeight:122 RetIndex:876
CompName:1,6-Dimethylhepta-1,3,5-triene $$ (3E)-2,6-Dimethyl-1,3,5-heptatriene #



Hit#:4 Entry:16448 Library:NIST17M1.lib
SI:89 Formula:C10H14O CAS:473-06-3 MolWeight:150 RetIndex:1119
CompName:Bicyclo[3.1.1]hept-2-en-6-one, 2,7,7-trimethyl- $$ Chrysanthenone $$ 2,7,7-Trimethylbicyclo[3.1.1]hept-2-en-6-one # $$ 2-Pinen-7-one

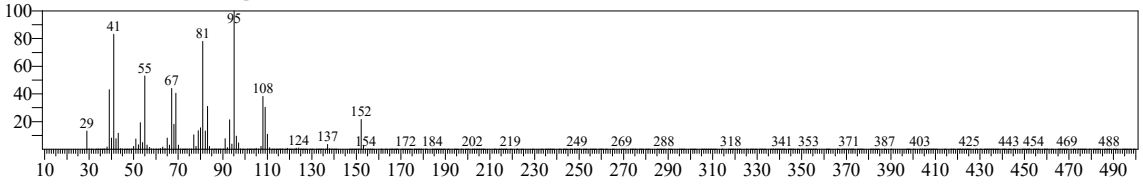


Hit#:5 Entry:5953 Library:NIST17M1.lib
SI:88 Formula:C9H14 CAS:37439-53-5 MolWeight:122 RetIndex:816
CompName:1-Hexen-3-yne, 2,5,5-trimethyl- $$ 2,5,5-Trimethyl-1-hexen-3-yne #

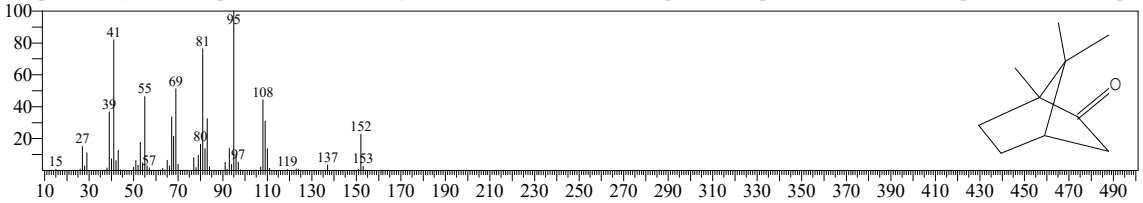


Qualitative Analysis Report

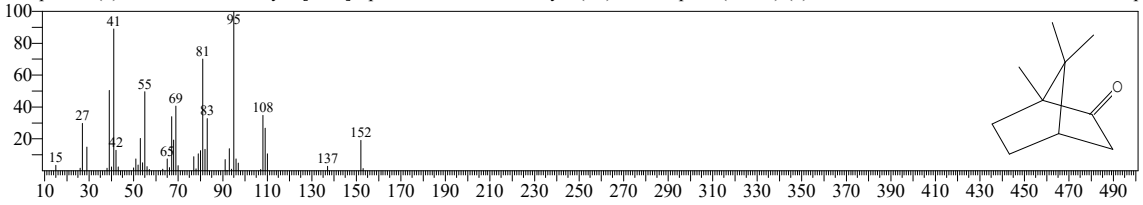
<< Target >>
Line#:16 R.Time:15.055(Scan#:2412) MassPeaks:328
RawMode:Averaged 15.050-15.060(2411-2413) BasePeak:95.10(974971)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



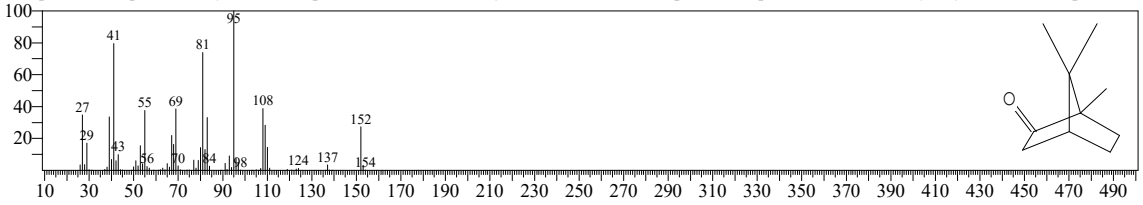
Hit#:1 Entry:11450 Library:NIST17R.lib
SI:97 Formula:C10H16O CAS:464-48-2 MolWeight:152 RetIndex:1121
CompName:Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)- $$ (-)-Alcanfor $$ (-)-Camphor $$ Camphor, (1S,4S)-(-)- $$ L-camphor $$ Levo-(-)-campho



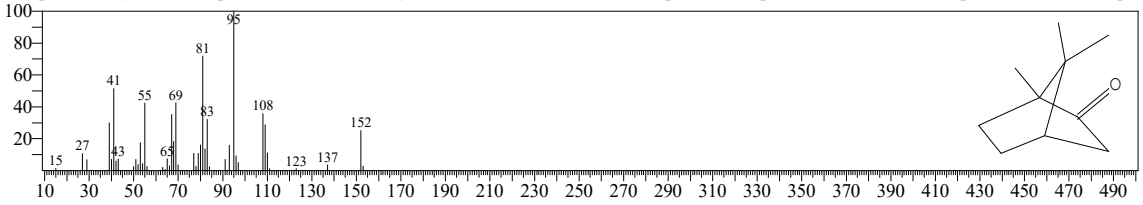
Hit#:2 Entry:11451 Library:NIST17R.lib
SI:97 Formula:C10H16O CAS:464-49-3 MolWeight:152 RetIndex:1121
CompName:(+)-2-Bornanone $$ Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1R)- $$ Camphor, (1R,4R)-(+)- $$ Alcanfor $$ d-2-Bornanone $$ d-2-Camp



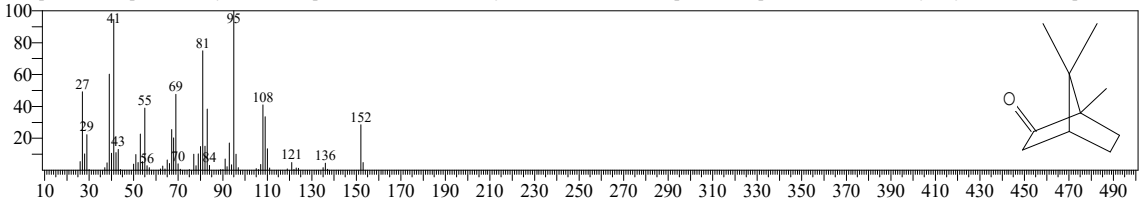
Hit#:3 Entry:17566 Library:NIST17M1.lib
SI:96 Formula:C10H16O CAS:76-22-2 MolWeight:152 RetIndex:1121
CompName:Camphor $$ Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl- $$ Root bark oil $$ Spirit of camphor $$ 1,7,7-Trimethylbicyclo[2.2.1]-2-heptanone $



Hit#:4 Entry:17577 Library:NIST17M1.lib
SI:96 Formula:C10H16O CAS:464-48-2 MolWeight:152 RetIndex:1121
CompName:Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)- $$ (-)-Alcanfor $$ (-)-Camphor $$ Camphor, (1S,4S)-(-)- $$ L-camphor $$ Levo-(-)-campho

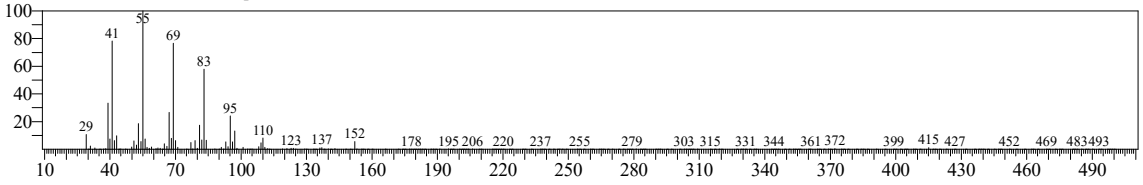


Hit#:5 Entry:11452 Library:NIST17R.lib
SI:94 Formula:C10H16O CAS:76-22-2 MolWeight:152 RetIndex:1121
CompName:Camphor $$ Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl- $$ Root bark oil $$ Spirit of camphor $$ 1,7,7-Trimethylbicyclo[2.2.1]-2-heptanone $

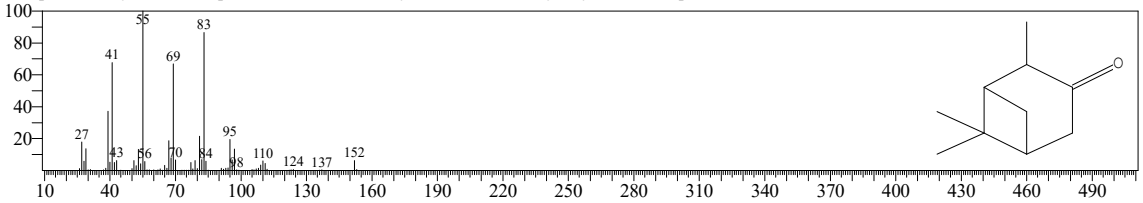


Qualitative Analysis Report

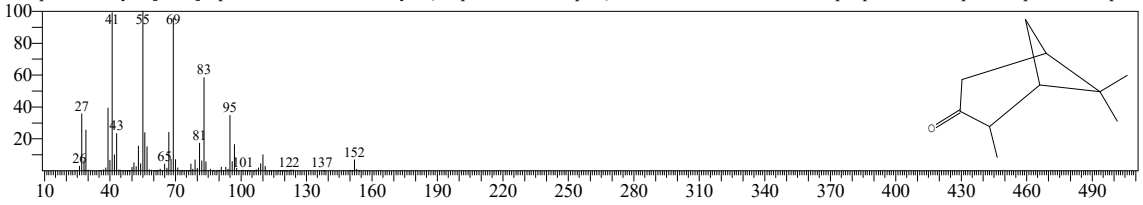
<< Target >>
Line#:17 R.Time:15.890(Scan#:2579) MassPeaks:251
RawMode:Averaged 15.885-15.895(2578-2580) BasePeak:55.05(28884)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



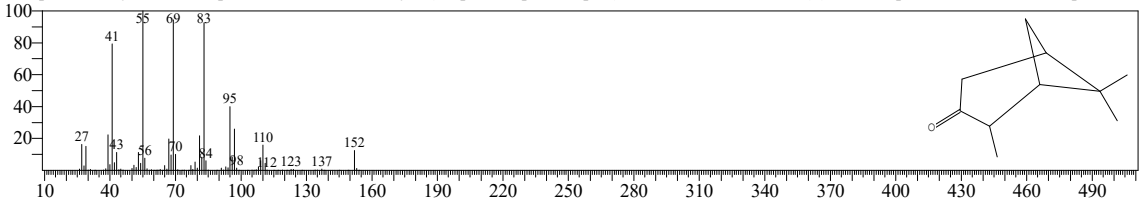
Hit#:1 Entry:17443 Library:NIST17M1.lib
SI:94 Formula:C10H16O CAS:18358-53-7 MolWeight:152 RetIndex:1109
CompName:Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl- $$ 2,6,6-Trimethylbicyclo[3.1.1]heptan-3-one #



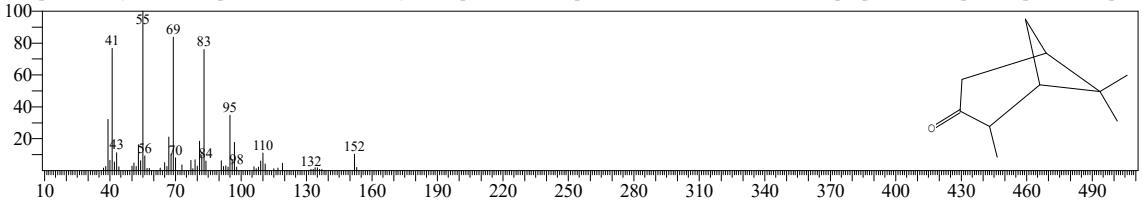
Hit#:2 Entry:11363 Library:NIST17R.lib
SI:93 Formula:C10H16O CAS:15358-88-0 MolWeight:152 RetIndex:1109
CompName:Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1.alpha.,2.beta.,5.alpha.)- $$ 3-Pinanone, cis $$ Isocamphopinone $$ Isopinocamphon $$ Isopinc



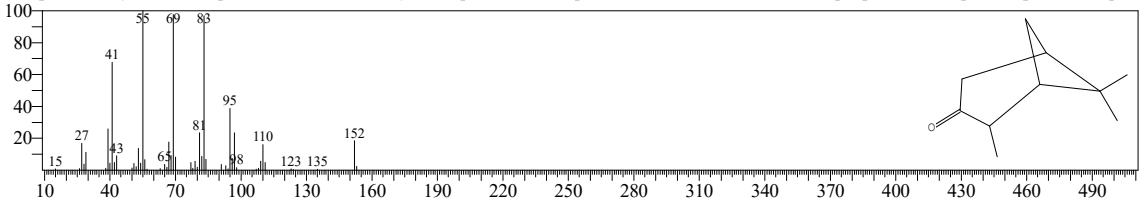
Hit#:3 Entry:17440 Library:NIST17M1.lib
SI:92 Formula:C10H16O CAS:547-60-4 MolWeight:152 RetIndex:1109
CompName:Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1.alpha.,2.alpha.,5.alpha.)- $$ trans-3-Pinanone $$ (E)-Pinocamphone $$ trans-Pinocamphone $$



Hit#:4 Entry:11364 Library:NIST17R.lib
SI:92 Formula:C10H16O CAS:15358-88-0 MolWeight:152 RetIndex:1109
CompName:Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1.alpha.,2.beta.,5.alpha.)- $$ 3-Pinanone, cis $$ Isocamphopinone $$ Isopinocamphon $$ Isopinc

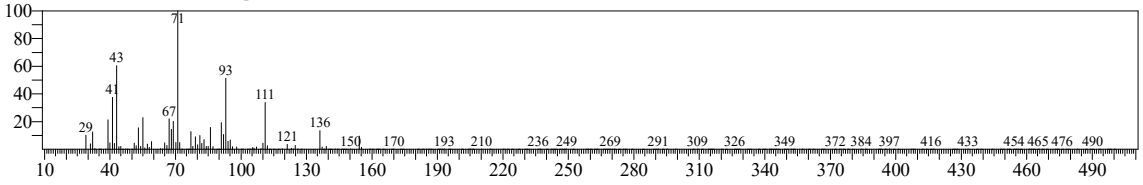


Hit#:5 Entry:17441 Library:NIST17M1.lib
SI:92 Formula:C10H16O CAS:15358-88-0 MolWeight:152 RetIndex:1109
CompName:Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1.alpha.,2.beta.,5.alpha.)- $$ 3-Pinanone, cis $$ Isocamphopinone $$ Isopinocamphon $$ Isopinc

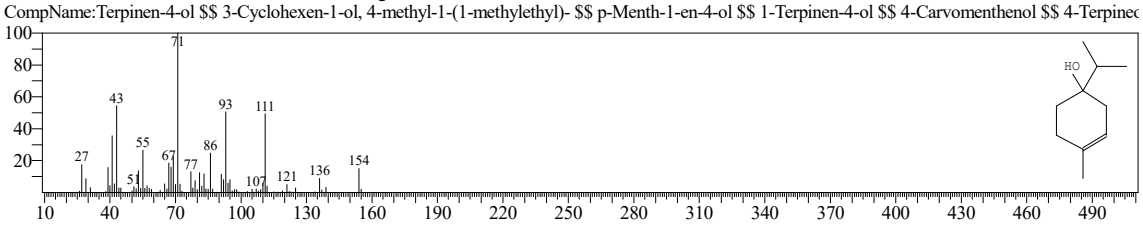


Qualitative Analysis Report

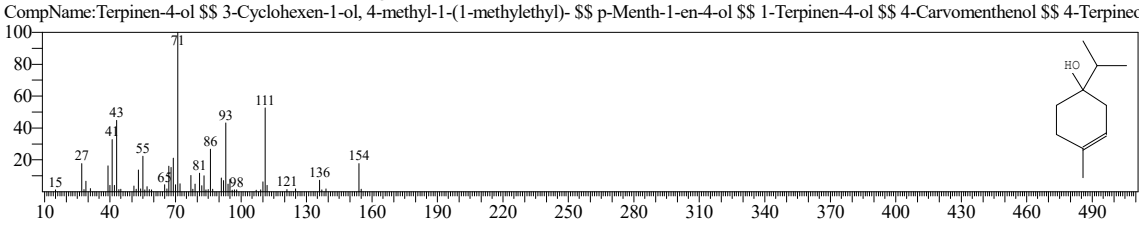
<< Target >>
Line#:18 R.Time:15.990(Scan#:2599) MassPeaks:243
RawMode:Averaged 15.985-15.995(2598-2600) BasePeak:71.05(28082)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



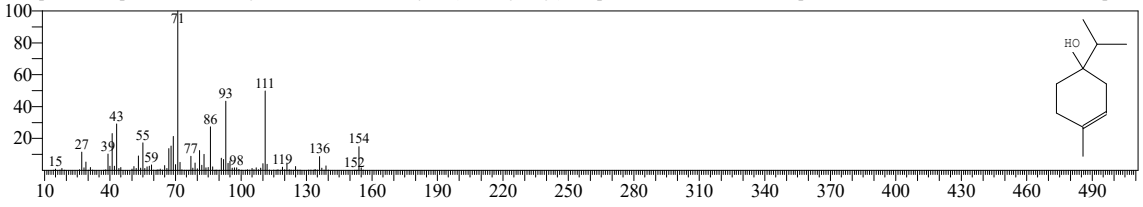
Hit#:1 Entry:11973 Library:NIST17R.lib
SI:93 Formula:C10H18O CAS:562-74-3 MolWeight:154 RetIndex:1137
CompName:Terpinen-4-ol $$ 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)- $$ p-Menth-1-en-4-ol $$ 1-Terpinen-4-ol $$ 4-Carvomenthenol $$ 4-Terpinec



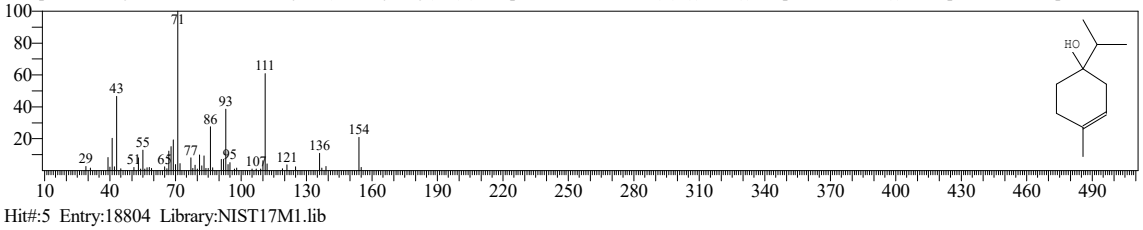
Hit#:2 Entry:11982 Library:NIST17R.lib
SI:92 Formula:C10H18O CAS:562-74-3 MolWeight:154 RetIndex:1137
CompName:Terpinen-4-ol $$ 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)- $$ p-Menth-1-en-4-ol $$ 1-Terpinen-4-ol $$ 4-Carvomenthenol $$ 4-Terpinec



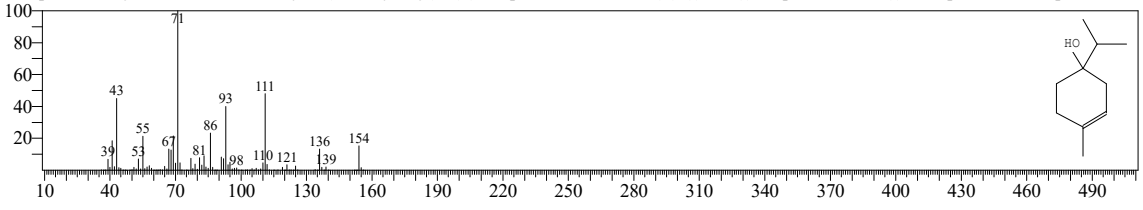
Hit#:3 Entry:18805 Library:NIST17M1.lib
SI:89 Formula:C10H18O CAS:562-74-3 MolWeight:154 RetIndex:1137
CompName:Terpinen-4-ol $$ 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)- $$ p-Menth-1-en-4-ol $$ 1-Terpinen-4-ol $$ 4-Carvomenthenol $$ 4-Terpinec



Hit#:4 Entry:11981 Library:NIST17R.lib
SI:88 Formula:C10H18O CAS:20126-76-5 MolWeight:154 RetIndex:1137
CompName:3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-, (R)- $$ p-Menth-1-en-4-ol, (R)-(-)- $$ (-)-Terpinen-4-ol $$ (-)-4-Terpineol $$ L-terpinen-4-ol $

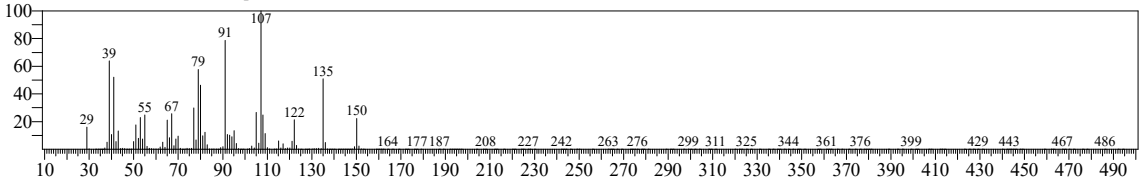


Hit#:5 Entry:18804 Library:NIST17M1.lib
SI:88 Formula:C10H18O CAS:20126-76-5 MolWeight:154 RetIndex:1137
CompName:3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-, (R)- $$ p-Menth-1-en-4-ol, (R)-(-)- $$ (-)-Terpinen-4-ol $$ (-)-4-Terpineol $$ L-terpinen-4-ol $

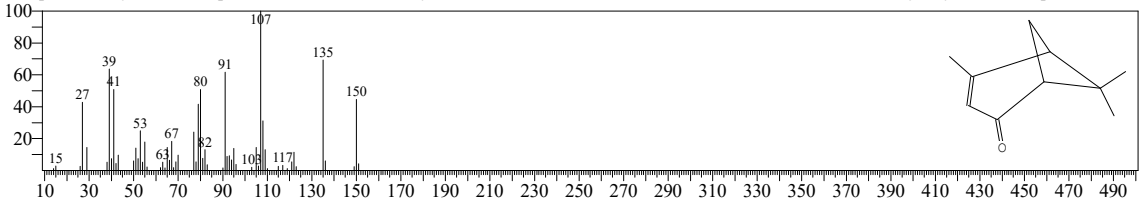


Qualitative Analysis Report

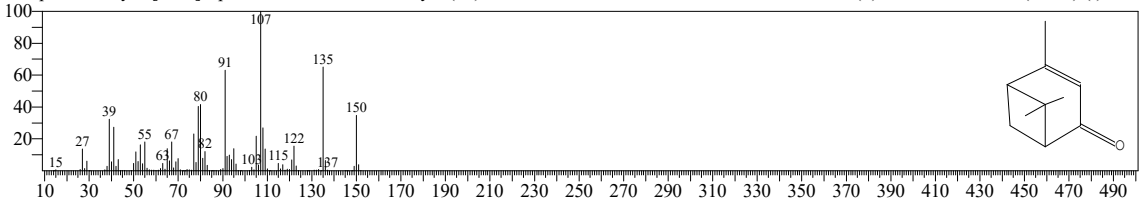
<< Target >>
Line#:19 R.Time:16.885(Scan#:2778) MassPeaks:248
RawMode:Averaged 16.880-16.890(2777-2779) BasePeak:107.10(343928)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



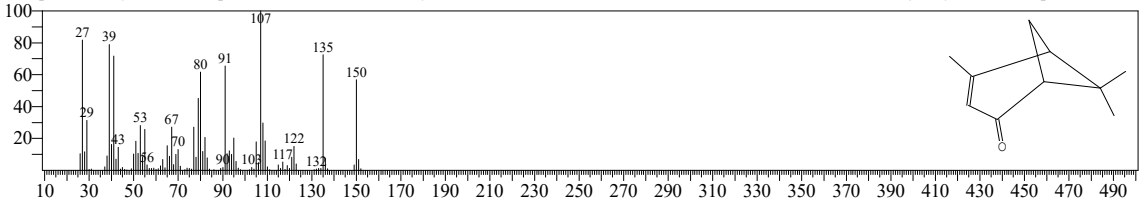
Hit#:1 Entry:10830 Library:NIST17R.lib
SI:94 Formula:C10H14O CAS:80-57-9 MolWeight:150 RetIndex:1119
CompName:Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl- $$ 2-Pinen-4-one $$ Berbenone $$ Verbenone $$ 4,6,6-Trimethylbicyclo[3.1.1]hept-3-en-2-one



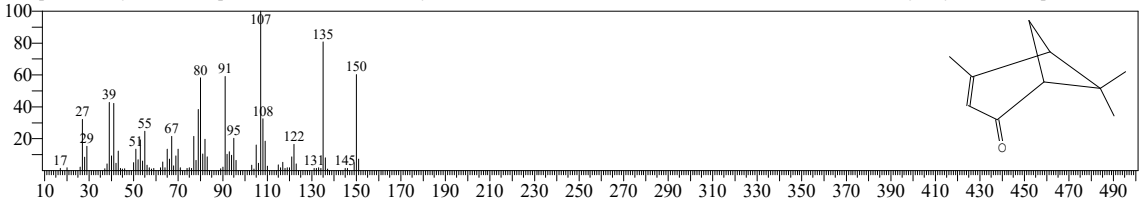
Hit#:2 Entry:16453 Library:NIST17M1.lib
SI:93 Formula:C10H14O CAS:1196-01-6 MolWeight:150 RetIndex:1119
CompName:Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl-, (1S)- $$ Levoverbenone $$ l-Verbenone $$ Verbenone, (L)- $$ 2-Pinen-4-one, (1S,5S)-(-)- $$ (



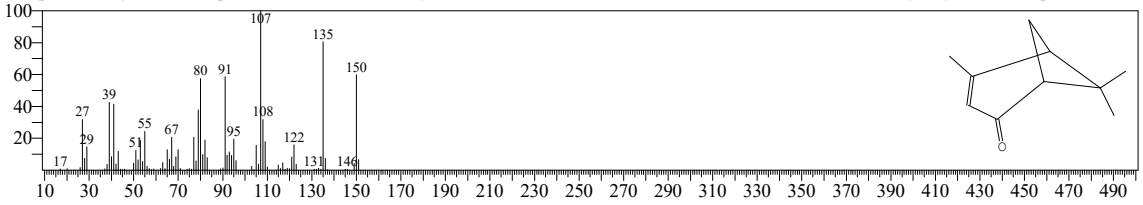
Hit#:3 Entry:10821 Library:NIST17R.lib
SI:93 Formula:C10H14O CAS:80-57-9 MolWeight:150 RetIndex:1119
CompName:Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl- $$ 2-Pinen-4-one $$ Berbenone $$ Verbenone $$ 4,6,6-Trimethylbicyclo[3.1.1]hept-3-en-2-one



Hit#:4 Entry:10833 Library:NIST17R.lib
SI:92 Formula:C10H14O CAS:80-57-9 MolWeight:150 RetIndex:1119
CompName:Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl- $$ 2-Pinen-4-one $$ Berbenone $$ Verbenone $$ 4,6,6-Trimethylbicyclo[3.1.1]hept-3-en-2-one

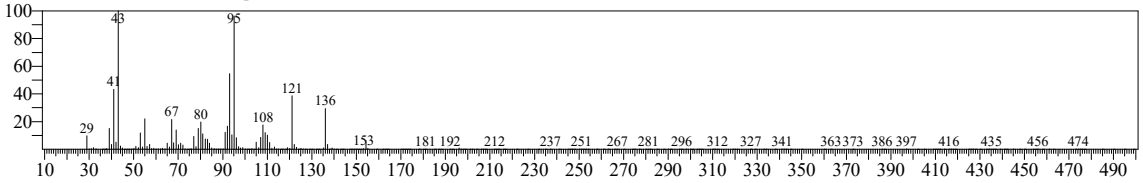


Hit#:5 Entry:16454 Library:NIST17M1.lib
SI:92 Formula:C10H14O CAS:80-57-9 MolWeight:150 RetIndex:1119
CompName:Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl- $$ 2-Pinen-4-one $$ Berbenone $$ Verbenone $$ 4,6,6-Trimethylbicyclo[3.1.1]hept-3-en-2-one

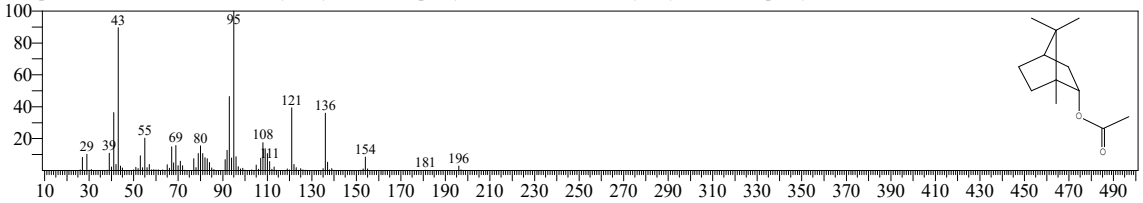


Qualitative Analysis Report

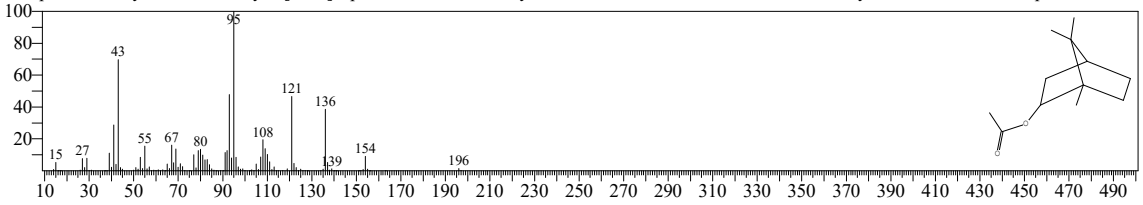
<< Target >>
Line#:20 R.Time:18.840(Scan#:3169) MassPeaks:254
RawMode:Averaged 18.835-18.845(3168-3170) BasePeak:43.00(148598)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



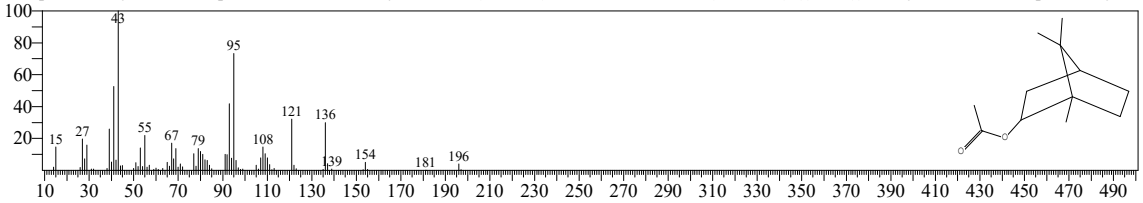
Hit#:1 Entry:20812 Library:NIST17R.lib
SI:96 Formula:C12H20O2 CAS:92618-89-8 MolWeight:196 RetIndex:1277
CompName:Acetic acid, 1,7,7-trimethyl-bicyclo[2.2.1]hept-2-yl ester $$ 1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl acetate # $$ NSC 163480



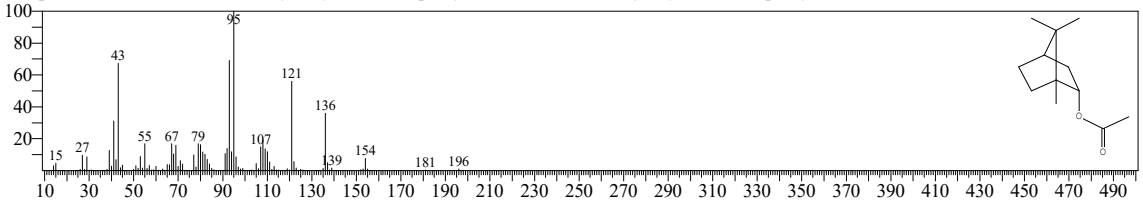
Hit#:2 Entry:46591 Library:NIST17M1.lib
SI:95 Formula:C12H20O2 CAS:76-49-3 MolWeight:196 RetIndex:1277
CompName:Bornyl acetate $$ Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, acetate, endo- $$ Borneol, acetate $$ Bornyl acetic ether $$ 2-Camphanol acetate



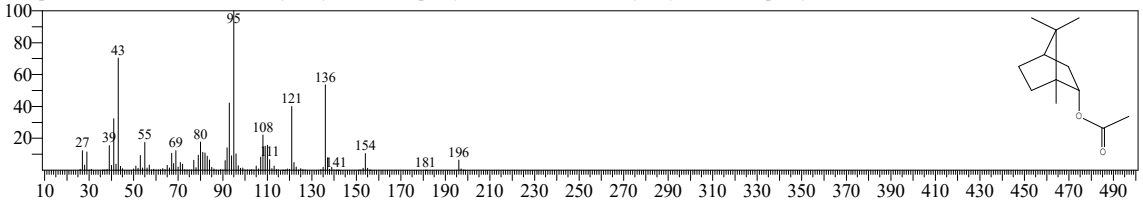
Hit#:3 Entry:20783 Library:NIST17R.lib
SI:94 Formula:C12H20O2 CAS:5655-61-8 MolWeight:196 RetIndex:1277
CompName:Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, acetate, (1S-endo)- $$ Borneol, acetate, (1S,2R,4S)-(-)- $$ (-)-Bornyl acetate $$ L-.alpha.-bornyl ac



Hit#:4 Entry:20820 Library:NIST17R.lib
SI:94 Formula:C12H20O2 CAS:92618-89-8 MolWeight:196 RetIndex:1277
CompName:Acetic acid, 1,7,7-trimethyl-bicyclo[2.2.1]hept-2-yl ester $$ 1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl acetate # $$ NSC 163480

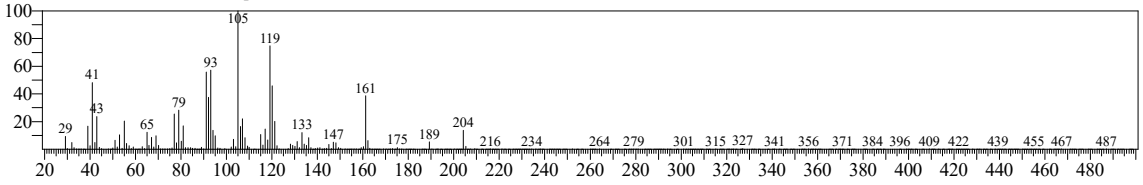


Hit#:5 Entry:46593 Library:NIST17M1.lib
SI:93 Formula:C12H20O2 CAS:92618-89-8 MolWeight:196 RetIndex:1277
CompName:Acetic acid, 1,7,7-trimethyl-bicyclo[2.2.1]hept-2-yl ester $$ 1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl acetate # $$ NSC 163480

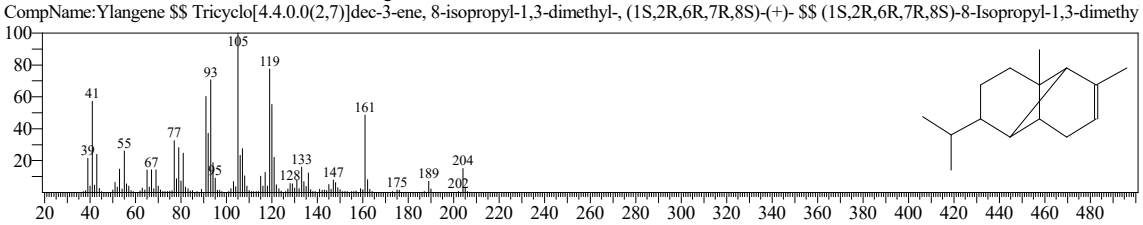


Qualitative Analysis Report

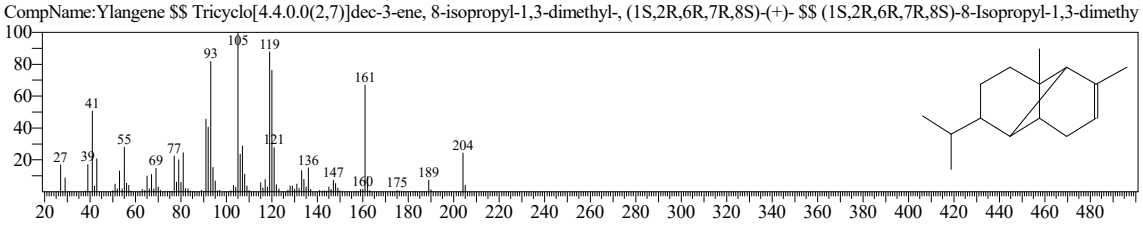
<< Target >>
Line#:21 R.Time:21.005(Scan#:3602) MassPeaks:338
RawMode:Averaged 21.000-21.010(3601-3603) BasePeak:105.05(25029)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



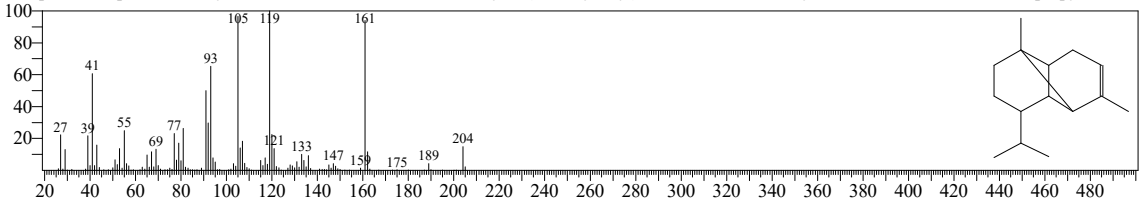
Hit#:1 Entry:22343 Library:NIST17R.lib
SI:94 Formula:C15H24 CAS:14912-44-8 MolWeight:204 RetIndex:1221
CompName:Ylangene $$ Tricyclo[4.4.0.0(2,7)]dec-3-ene, 8-isopropyl-1,3-dimethyl-, (1S,2R,6R,7R,8S)-(+)- $$ (1S,2R,6R,7R,8S)-8-Isopropyl-1,3-dimethy



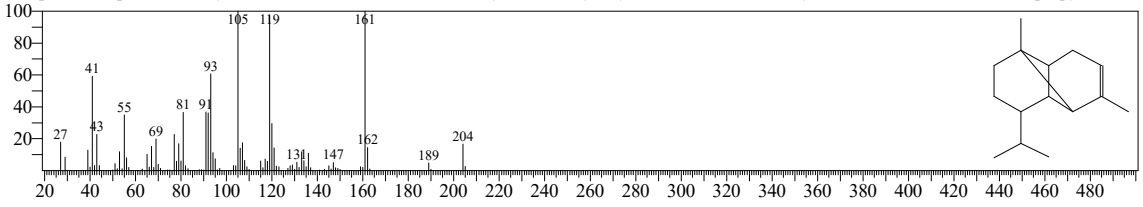
Hit#:2 Entry:52807 Library:NIST17M1.lib
SI:92 Formula:C15H24 CAS:14912-44-8 MolWeight:204 RetIndex:1221
CompName:Ylangene $$ Tricyclo[4.4.0.0(2,7)]dec-3-ene, 8-isopropyl-1,3-dimethyl-, (1S,2R,6R,7R,8S)-(+)- $$ (1S,2R,6R,7R,8S)-8-Isopropyl-1,3-dimethy



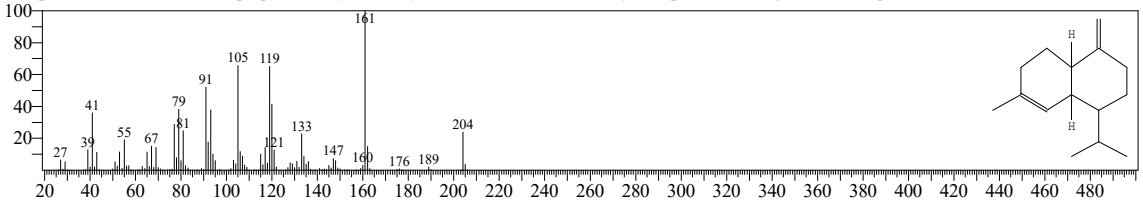
Hit#:3 Entry:22379 Library:NIST17R.lib
SI:92 Formula:C15H24 CAS:3856-25-5 MolWeight:204 RetIndex:1221
CompName:Copaene $$ Tricyclo[4.4.0.02,7]dec-3-ene, 1,3-dimethyl-8-(1-methylethyl)-, stereoisomer $$ Tricyclo[4.4.0.02,7]dec-3-ene, 8-isopropyl-1,3-din



Hit#:4 Entry:22427 Library:NIST17R.lib
SI:91 Formula:C15H24 CAS:3856-25-5 MolWeight:204 RetIndex:1221
CompName:Copaene $$ Tricyclo[4.4.0.02,7]dec-3-ene, 1,3-dimethyl-8-(1-methylethyl)-, stereoisomer $$ Tricyclo[4.4.0.02,7]dec-3-ene, 8-isopropyl-1,3-din

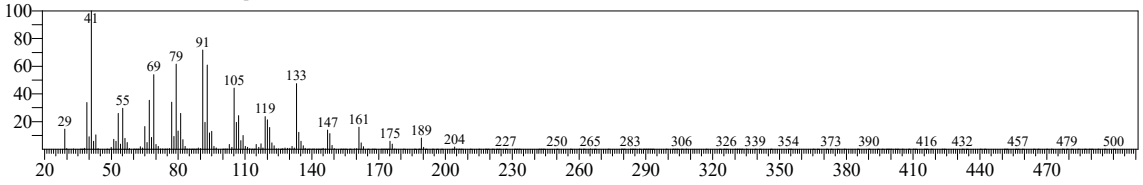


Hit#:5 Entry:52925 Library:NIST17M1.lib
SI:89 Formula:C15H24 CAS:6980-46-7 MolWeight:204 RetIndex:1435
CompName:(1S,4aR,8aS)-1-Isopropyl-7-methyl-4-methylene-1,2,3,4,4a,5,6,8a-octahydronaphthalene $$ .gamma.-Amorphene

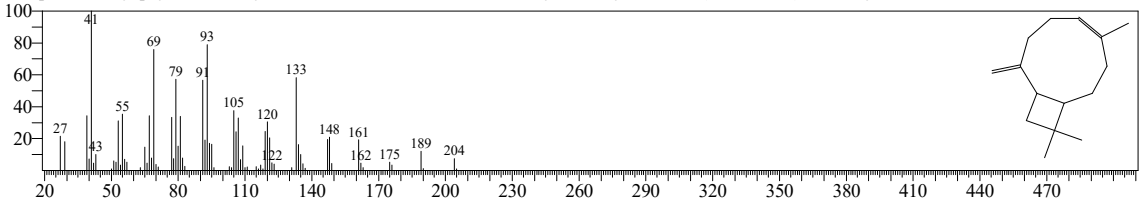


Qualitative Analysis Report

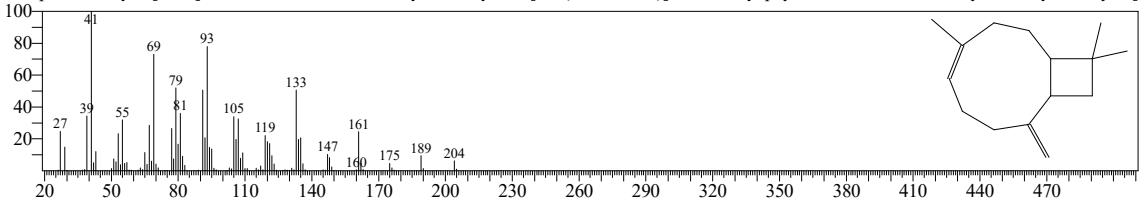
<< Target >>
Line#:22 R.Time:22.340(Scan#:3869) MassPeaks:243
RawMode:Averaged 22.335-22.345(3868-3870) BasePeak:41.00(130520)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



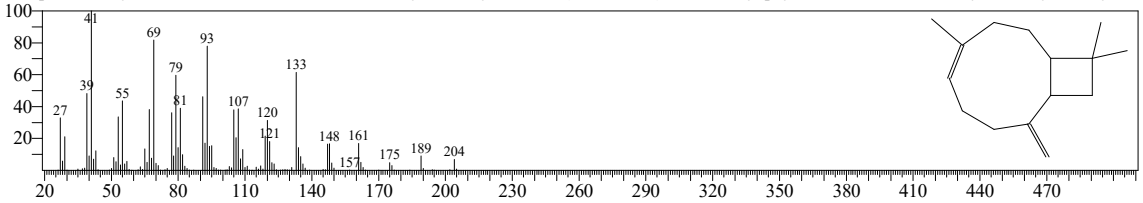
Hit#:1 Entry:22265 Library:NIST17R.lib
SI:94 Formula:C15H24 CAS:87-44-5 MolWeight:204 RetIndex:1494
CompName:Caryophyllene $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, [1R-(1R*,4E,9S*)]- $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trime



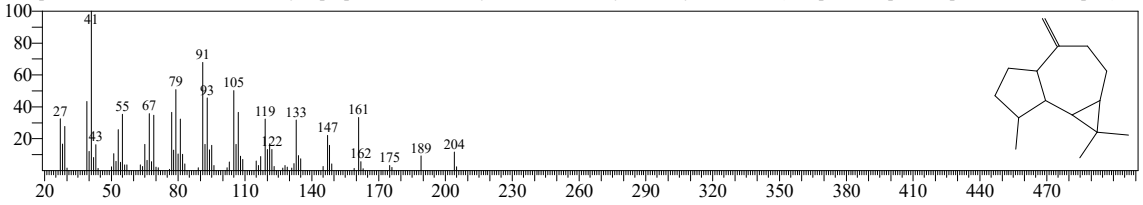
Hit#:2 Entry:52722 Library:NIST17M1.lib
SI:93 Formula:C15H24 CAS:118-65-0 MolWeight:204 RetIndex:1494
CompName:Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-,[1R-(1R*,4Z,9S*)]- $$ Isocaryophyllene $$ 4,11,11-Trimethyl-8-methylenebicyclo[



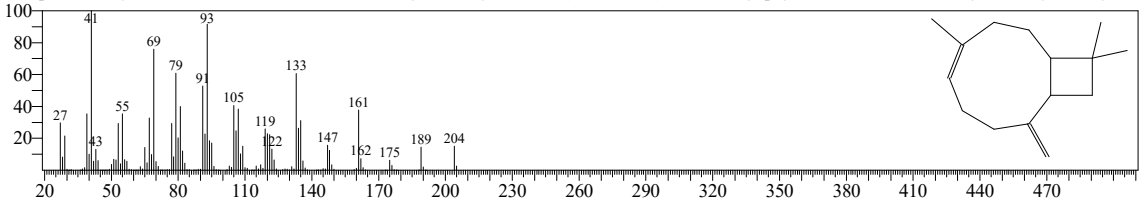
Hit#:3 Entry:22252 Library:NIST17R.lib
SI:93 Formula:C15H24 CAS:118-65-0 MolWeight:204 RetIndex:1494
CompName:Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-,[1R-(1R*,4Z,9S*)]- $$ Isocaryophyllene $$ 4,11,11-Trimethyl-8-methylenebicyclo[



Hit#:4 Entry:22258 Library:NIST17R.lib
SI:92 Formula:C15H24 CAS:489-39-4 MolWeight:204 RetIndex:1386
CompName:Aromandendrene $$ 1H-Cycloprop[e]azulene, decahydro-1,1,7-trimethyl-4-methylene-, [1aR-(1a.alpha.,4a.alpha.,7.alpha.,7a.beta.,7b.alpha.)]- $

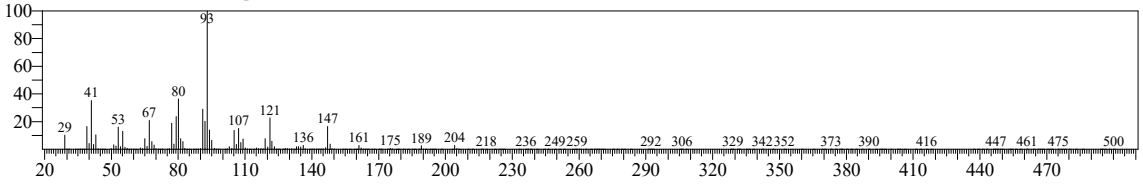


Hit#:5 Entry:22264 Library:NIST17R.lib
SI:91 Formula:C15H24 CAS:118-65-0 MolWeight:204 RetIndex:1494
CompName:Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-,[1R-(1R*,4Z,9S*)]- $$ Isocaryophyllene $$ 4,11,11-Trimethyl-8-methylenebicyclo[

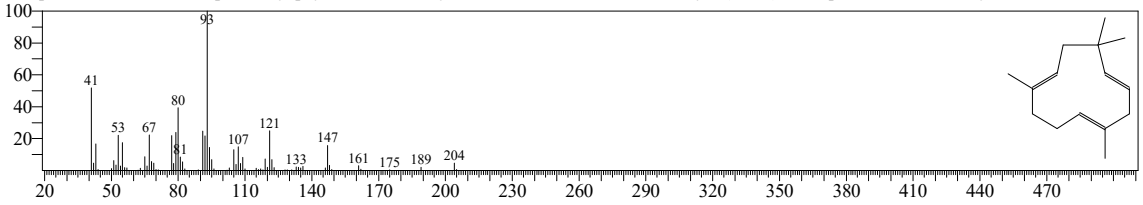


Qualitative Analysis Report

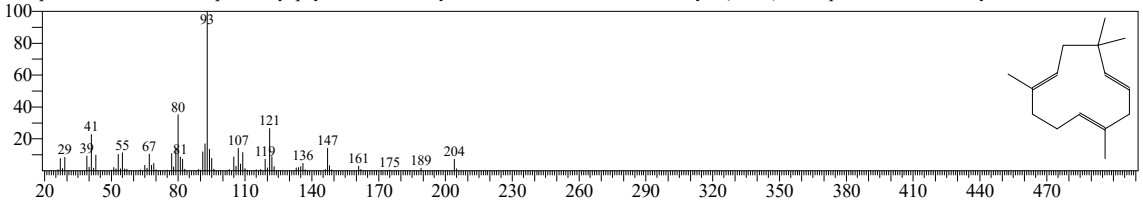
<< Target >>
Line#:23 R.Time:23.220(Scan#:4045) MassPeaks:253
RawMode:Averaged 23.215-23.225(4044-4046) BasePeak:93.05(140392)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



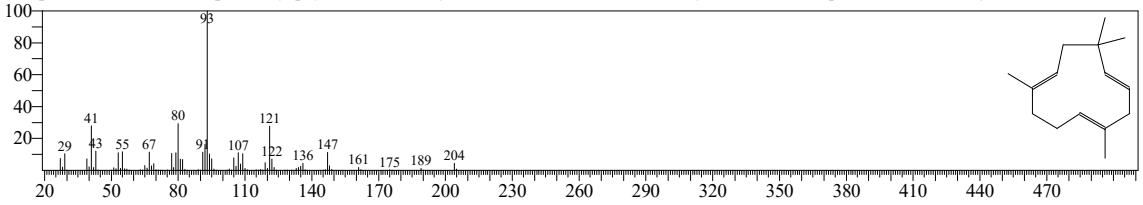
Hit#:1 Entry:22303 Library:NIST17R.lib
SI:94 Formula:C15H24 CAS:6753-98-6 MolWeight:204 RetIndex:1579
CompName:Humulene $$ .alpha.-Caryophyllene $$ 1,4,8-Cycloundecatriene, 2,6,6,9-tetramethyl-, (E,E,E)- $$ .alpha.-Humulene $$ Cycloundeca-1,4,8-trien



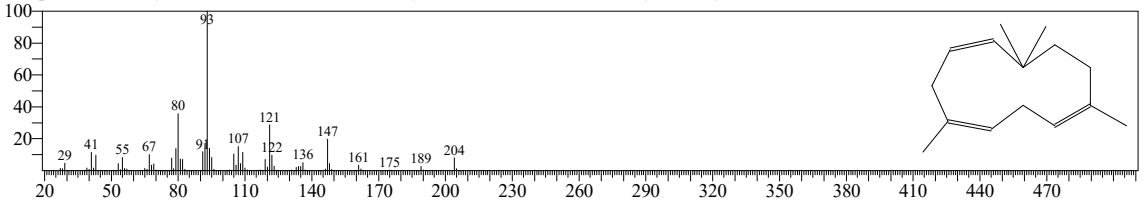
Hit#:2 Entry:22310 Library:NIST17R.lib
SI:93 Formula:C15H24 CAS:6753-98-6 MolWeight:204 RetIndex:1579
CompName:Humulene $$ .alpha.-Caryophyllene $$ 1,4,8-Cycloundecatriene, 2,6,6,9-tetramethyl-, (E,E,E)- $$ .alpha.-Humulene $$ Cycloundeca-1,4,8-trien



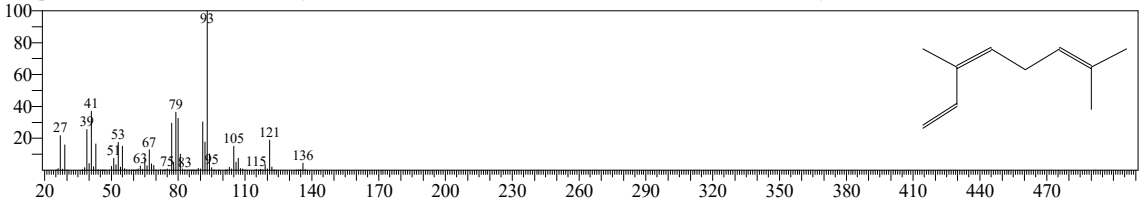
Hit#:3 Entry:52774 Library:NIST17M1.lib
SI:92 Formula:C15H24 CAS:6753-98-6 MolWeight:204 RetIndex:1579
CompName:Humulene $$ .alpha.-Caryophyllene $$ 1,4,8-Cycloundecatriene, 2,6,6,9-tetramethyl-, (E,E,E)- $$ .alpha.-Humulene $$ Cycloundeca-1,4,8-trien



Hit#:4 Entry:52776 Library:NIST17M1.lib
SI:90 Formula:C15H24 CAS:0-00-0 MolWeight:204 RetIndex:1579
CompName:1,4,7,-Cycloundecatriene, 1,5,9,9-tetramethyl-, Z,Z,Z- $$ 1,5,9,9-Tetramethyl-1,4,7-cycloundecatriene #

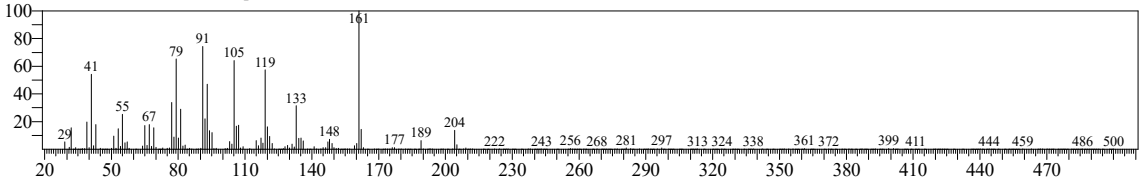


Hit#:5 Entry:7927 Library:NIST17R.lib
SI:89 Formula:C10H16 CAS:3338-55-4 MolWeight:136 RetIndex:976
CompName:1,3,6-Octatriene, 3,7-dimethyl-, (Z)- $$ .beta.-cis-Ocimene $$ cis-.beta.-Ocimene $$ cis-3,7-Dimethyl-1,3,6-octatriene $$ Ocimene, cis-.beta.- $

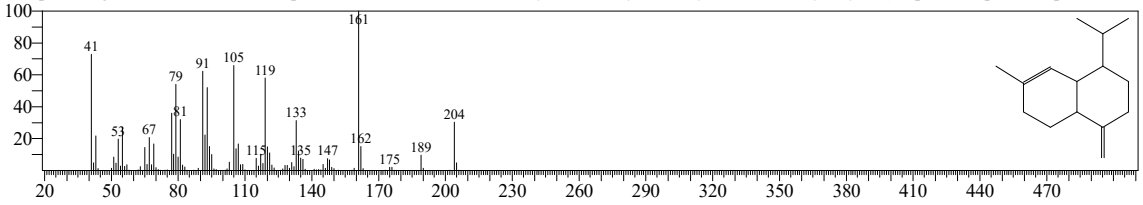


Qualitative Analysis Report

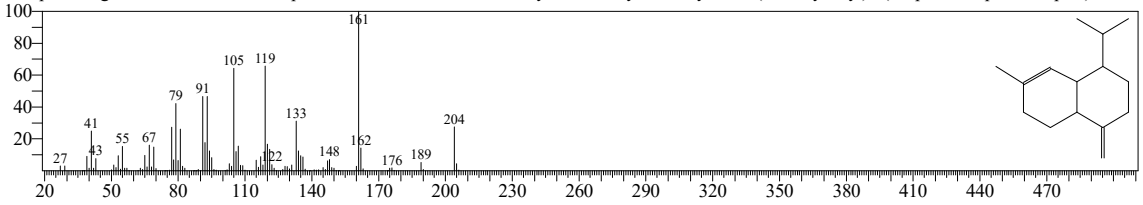
<< Target >>
Line#:24 R.Time:23.565(Scan#:4114) MassPeaks:319
RawMode:Averaged 23.560-23.570(4113-4115) BasePeak:161.15(17805)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



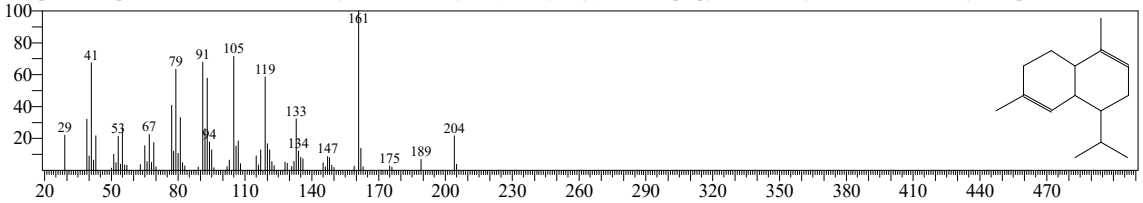
Hit#:1 Entry:22406 Library:NIST17R.lib
SI:92 Formula:C15H24 CAS:30021-74-0 MolWeight:204 RetIndex:1435
CompName:.gamma.-Muurolene $$ Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.alpha.,8a.alpha.)- $$ 1-



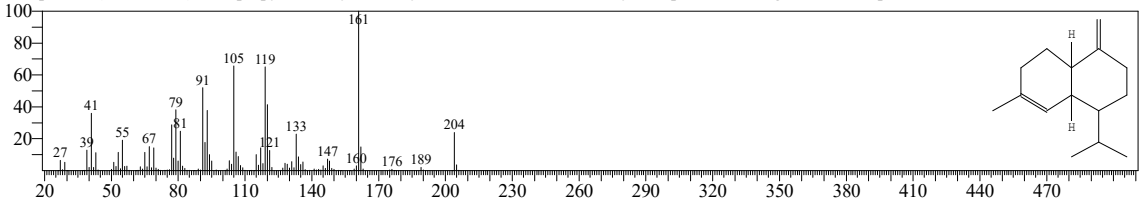
Hit#:2 Entry:22432 Library:NIST17R.lib
SI:92 Formula:C15H24 CAS:30021-74-0 MolWeight:204 RetIndex:1435
CompName:.gamma.-Muurolene $$ Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.alpha.,8a.alpha.)- $$ 1-



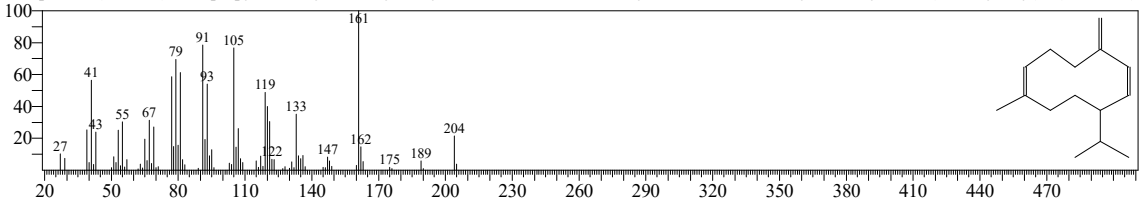
Hit#:3 Entry:22422 Library:NIST17R.lib
SI:91 Formula:C15H24 CAS:483-75-0 MolWeight:204 RetIndex:1440
CompName:Naphthalene, 1,2,4a,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)- $$ 1-Isopropyl-4,7-dimethyl-1,2,4a,5,6,8a-hexahydronaphthalene # $$ 1



Hit#:4 Entry:52925 Library:NIST17M1.lib
SI:90 Formula:C15H24 CAS:6980-46-7 MolWeight:204 RetIndex:1435
CompName:(1S,4aR,8aS)-1-Isopropyl-7-methyl-4-methylene-1,2,3,4,4a,5,6,8a-octahydronaphthalene $$ .gamma.-Amorphene

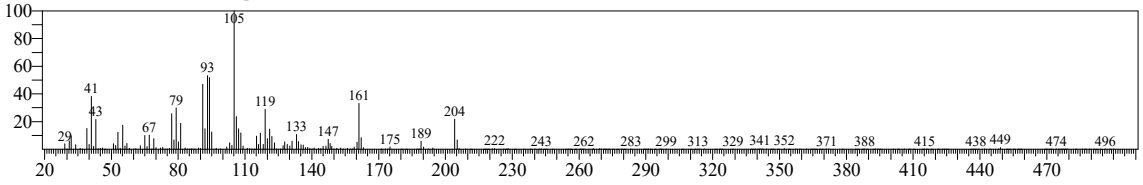


Hit#:5 Entry:52912 Library:NIST17M1.lib
SI:90 Formula:C15H24 CAS:317819-80-0 MolWeight:204 RetIndex:1515
CompName:(S,1Z,6Z)-8-Isopropyl-1-methyl-5-methylenecyclodeca-1,6-diene $$ 1,6-Cyclodecadiene, 1-methyl-5-methylene-8-(1-methylethyl)-, (1Z,6Z,8S)

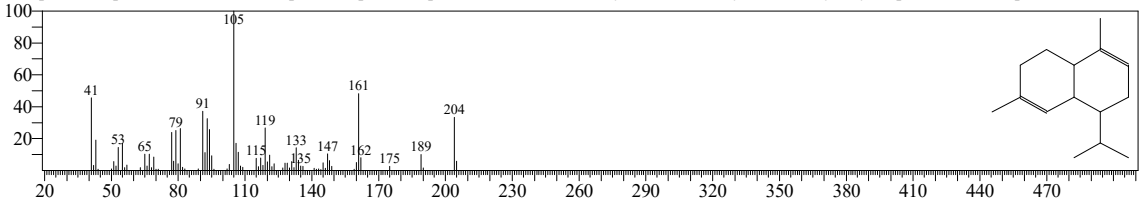


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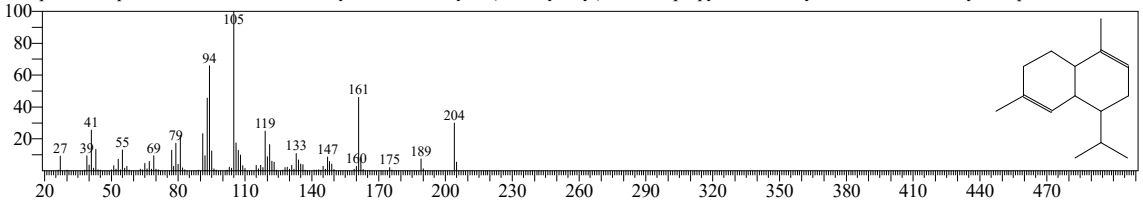
<< Target >>
Line#:25 R.Time:23.640(Scan#:4129) MassPeaks:261
RawMode:Averaged 23.635-23.645(4128-4130) BasePeak:105.05(15400)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



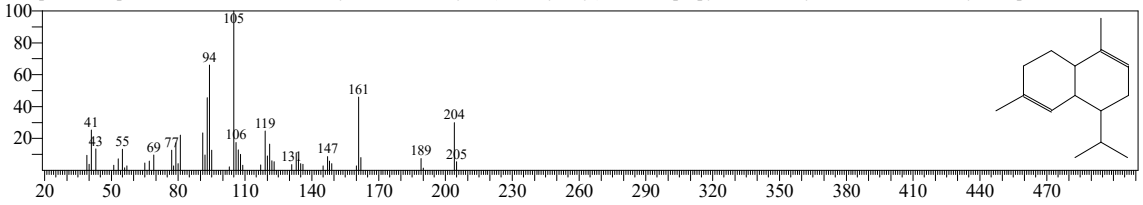
Hit#:1 Entry:22345 Library:NIST17R.lib
SI:90 Formula:C15H24 CAS:31983-22-9 MolWeight:204 RetIndex:1440
CompName:.alpha.-Muurolene $$ [1.alpha.,4a.alpha.,8a.alpha.]-1,2,4a,5,6,8a-hexahydro-4-7-dimethyl-1-[1-methylethyl]naphthalene $$ Naphthalene, 1,2,4a



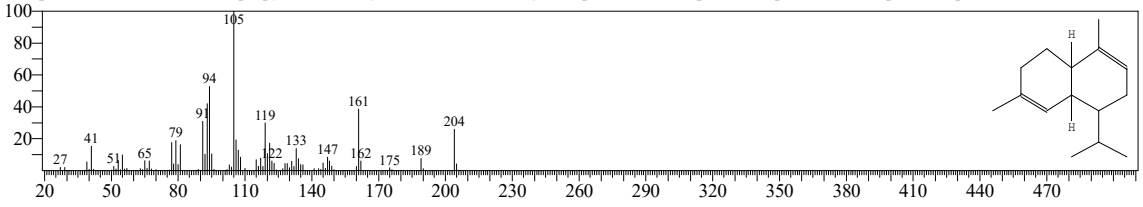
Hit#:2 Entry:22338 Library:NIST17R.lib
SI:89 Formula:C15H24 CAS:483-75-0 MolWeight:204 RetIndex:1440
CompName:Naphthalene, 1,2,4a,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)- $$ 1-Isopropyl-4,7-dimethyl-1,2,4a,5,6,8a-hexahydronaphthalene # $$ 1



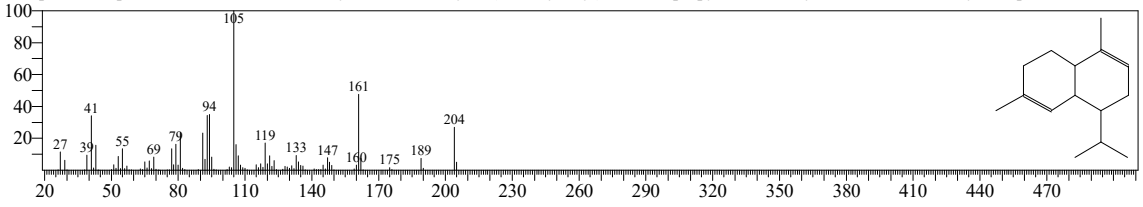
Hit#:3 Entry:22337 Library:NIST17R.lib
SI:89 Formula:C15H24 CAS:483-75-0 MolWeight:204 RetIndex:1440
CompName:Naphthalene, 1,2,4a,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)- $$ 1-Isopropyl-4,7-dimethyl-1,2,4a,5,6,8a-hexahydronaphthalene # $$ 1



Hit#:4 Entry:52803 Library:NIST17M1.lib
SI:89 Formula:C15H24 CAS:20085-19-2 MolWeight:204 RetIndex:1440
CompName:(1R,4aS,8aR)-1-Isopropyl-4,7-dimethyl-1,2,4a,5,6,8a-hexahydronaphthalene $$ .alpha.-Amorphene $$ Amorphene, .alpha.

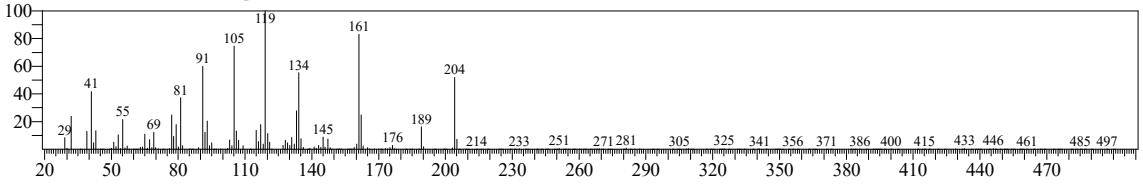


Hit#:5 Entry:52813 Library:NIST17M1.lib
SI:88 Formula:C15H24 CAS:483-75-0 MolWeight:204 RetIndex:1440
CompName:Naphthalene, 1,2,4a,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)- $$ 1-Isopropyl-4,7-dimethyl-1,2,4a,5,6,8a-hexahydronaphthalene # $$ 1

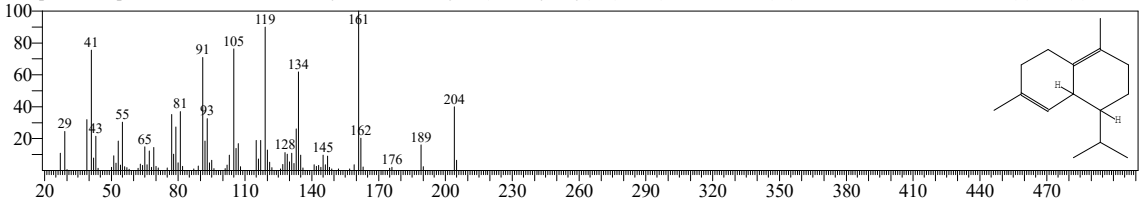


Qualitative Analysis Report

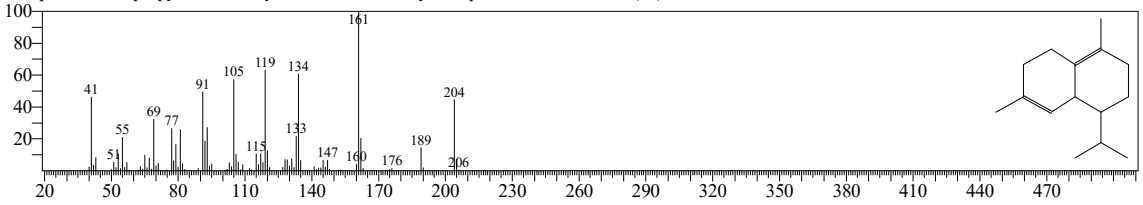
<< Target >>
Line#:26 R.Time:24.180(Scan#:4237) MassPeaks:246
RawMode:Averaged 24.175-24.185(4236-4238) BasePeak:119.10(28001)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



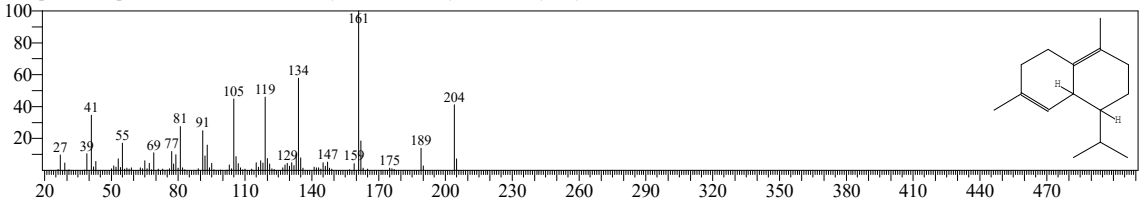
Hit#:1 Entry:22434 Library:NIST17R.lib
SI:91 Formula:C15H24 CAS:483-76-1 MolWeight:204 RetIndex:1469
CompName:Naphthalene, 1,2,3,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)-, (1S-cis)- $$ Cadina-1(10),4-diene $$ .delta.-Cadinene, (+)- $$ (+)-.delta.



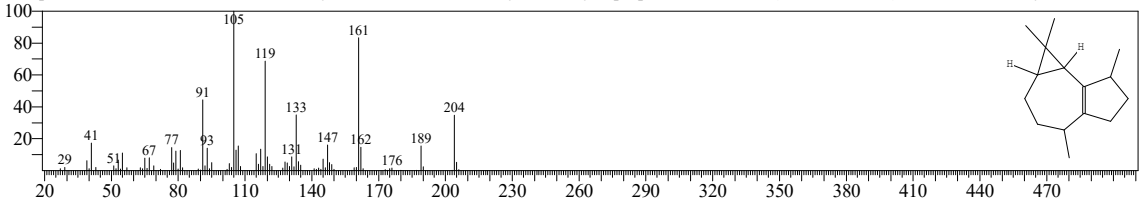
Hit#:2 Entry:52936 Library:NIST17M1.lib
SI:89 Formula:C15H24 CAS:16729-01-4 MolWeight:204 RetIndex:1469
CompName:1-Isopropyl-4,7-dimethyl-1,2,3,5,6,8a-hexahydronaphthalene $$ Cadina-1(10),4-diene



Hit#:3 Entry:52941 Library:NIST17M1.lib
SI:87 Formula:C15H24 CAS:483-76-1 MolWeight:204 RetIndex:1469
CompName:Naphthalene, 1,2,3,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)-, (1S-cis)- $$ Cadina-1(10),4-diene $$ .delta.-Cadinene, (+)- $$ (+)-.delta.



Hit#:4 Entry:52814 Library:NIST17M1.lib
SI:86 Formula:C15H24 CAS:95910-36-4 MolWeight:204 RetIndex:1419
CompName:isoledene $$ 1,1,4,7-Tetramethyl-1a,2,3,4,5,6,7,7b-octahydro-1H-cyclopropa[e]azulene # $$ (1aR,4R,7R,7bS)-1,1,4,7-Tetramethyl-1a,2,3,4,5,6



Hit#:5 Entry:52925 Library:NIST17M1.lib
SI:86 Formula:C15H24 CAS:6980-46-7 MolWeight:204 RetIndex:1435
CompName:(1S,4aR,8aS)-1-Isopropyl-7-methyl-4-methylene-1,2,3,4,4a,5,6,8a-octahydronaphthalene $$ .gamma.-Amorphene

