

V. SIMPULAN DAN SARAN

A. Simpulan

Berdasarkan penelitian Aktivitas Antidepresan Minyak Atsiri Biji Pala (*Myristica fragrans* Houtt.) terhadap Stress Oksidatif Mencit (*Mus musculus* L.) dengan Pengujian *Forced Swim Test* (FST) dapat diambil kesimpulan sebagai berikut:

1. Minyak Atsiri Biji Pala (*Myristica fragrans* Houtt.) memiliki pengaruh terhadap durasi postur imobil dan kadar Malondialdehid (MDA).
2. Dosis optimum minyak atsiri biji pala (*Myristica fragrans* Houtt.) sebagai antidepresan pada hewan model mencit *Mus musculus* L. adalah 10 mg/kg berat badan.

B. Saran

Penelitian ini telah mampu menguji aktivitas antidepresan minyak atsiri biji pala (*Myristica fragrans* Houtt.) dengan pengujian *Forced Swim Test* dan dilanjutkan dengan pengukuran kadar Malondialdehid sebagai penanda stress oksidatif namun terdapat beberapa saran untuk penelitian selanjutnya yaitu:

1. Melakukan optimasi bahan baku berupa pemilihan bahan baku dari satu perkebunan sehingga mendapatkan minyak atsiri yang lebih baik dengan kandungan senyawa kimia yang lengkap.
2. Menggunakan rentang dosis dengan jarak yang lebih tinggi antar dosisnya sehingga pengaruh dari minyak atsiri biji pala (*Myristica fragrans* Houtt.) dapat lebih terlihat jelas.

3. Diperlukan adanya pengujian antidepresan pendukung untuk menguji sifat sedatif dari minyak atsiri Biji Pala (*Myristica fragrans* Houtt.).



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LAMPIRAN

Lampiran 1. Hasil Pengujian *Forced Swim Test* (FST)

No	Perlakuan	Pengulangan	Mobilitas (detik)	Imobilitas (detik)
1.	Kontrol -	1	103	137
		2	66	174
		3	74	166
		4	79	161
		5	93	147
2.	Kontrol +	1	110	130
		2	73	167
		3	121	119
		4	127	113
		5	158	82
3.	Dosis 20 mg/kg berat badan	1	50	190
		2	107	133
		3	78	162
		4	94	146
		5	76	164
4.	Dosis 10 mg/kg berat badan	1	71	169
		2	120	120
		3	150	90
		4	132	108
		5	127	113
5.	Dosis 5 mg/kg berat badan	1	159	81
		2	119	121
		3	158	82
		4	161	179
		5	138	102

Lampiran 2. Hasil Uji Thiobarbituric Acid Reactions (TBARS)

No.	Perlakuan	Pengulangan	Absorbansi	Kadar Malondialdehid (MDA) (nmol/gram)
1	Kontrol +	1	0.099	27.54
		2	0.097	26.79
		3	0.087	23.03
		4	0.093	25.29
		5	0.103	29.04
2	Kontrol -	1	0.08	20.41
		2	0.116	33.92
		3	0.176	56.43
		4	0.098	27.16
		5	0.086	22.66

Lanjutan Lampiran 2. Hasil Uji *Thiobarbituric Acid Reactions* (TBARS)

3	Sediaan 5 mg/kg berat badan	1	0.148	45.92
		2	0.234	78.19
		3	0.101	28.29
		4	0.119	35.02
		5	0.102	28.66
4	Sediaan 10 mg/kg berat badan	1	0.109	31.29
		2	0.113	32.79
		3	0.108	30.91
		4	0.139	42.55
		5	0.095	26.04
5	Sediaan 20 mg/kg berat badan	1	0.123	36.54
		2	0.111	32.04
		3	0.08	20.41
		4	0.113	32.79
		5	0.095	26.04

Lampiran 3. Hasil SPSS *Forced Swim Test* (FST)

Deskripsi

Imobilitas

	N	Rata - Rata	Standar Deviasi	Standar Error	Tingkat Kepercayaan 95%		Min.	Maks.
					Batas Bawah	Batas Atas		
Kontrol -	5	157,000	14,882	6,655	138,520	175,479	137,00	174,00
Kontrol +	5	122,200	30,735	13,745	84,036	160,363	82,00	167,00
20 mg / kg berat badan	5	159,000	21,447	9,591	132,369	185,630	133,00	190,00
10 mg / kg berat badan	5	120,000	29,555	13,217	83,302	156,697	90,0	169,00
5 mg / kg berat badan	5	113,000	40,391	18,063	62,846	163,153	81,00	179,00
Total	25	134,000	33,024	6,504	120,608	147,871	81,00	190,00

ANOVA

Imobilitas

Sumber Variasi	Jumlah Kuadran	Derajat bebas	Rerata Kuadrat	F	Sig.
Antar Kelompok	9649.760	4	2412,440	2,920	0,047
Dalam Kelompok	16524,800	20	826,240		
Total	26174,560	24			

Imobilitas

Duncan^a

Perlakuan	N	Batas Alfa = 0,05	
		1	2
5 mg / kg berat badan	5	113,000	
10 mg / kg berat badan	5	120,000	120,000
Kontrol Positif	5	122,200	122,200
Kontrol Negatif	5		157,000
20 mg / kg berat badan	5		159,000
Sig.		0,638	0,061

Rata – rata kelompok dalam batas homogen ditampilkan.

g. Menggunakan harmonik ukuran sampel rata – rata = 5,000

Lampiran 4. Hasil SPSS Malondialdehid Serum Darah Mencit (*Mus musculus L.*)
Deskripsi

Malondialdehid

	N	Rata - Rata	Standar Deviasi	Standar Error	Tingkat Kepercayaan 95%		Min.	Maks.
					Batas Bawah	Batas Atas		
Kontrol -	5	32,1201	14.53858	6.50185	14.0680	50.1721	20.41	56.44
Kontrol +	5	26,3415	2.28862	1.02350	23.4998	29.1832	23.04	29.04
20 mg / kg berat badan	5	29,5685	6.35466	2.84189	21.6781	37.4588	20.41	36.55
10 mg / kg berat badan	5	32,7205	6.05280	2.70690	25.2049	40.2360	26.04	42.55
5 mg / kg berat badan	5	43,2270	20.81013	9.30657	17.3878	69.0662	28.29	78.20
Total	25	32,7955	12.43899	2.48780	27.6609	37.9301	20.41	78.20

ANOVA

Malondialdehid

	Jumlah Kuadran	Derajat bebas	Rerata Kuadrat RK	F	Sig.
Antar Kelompok	806.733	4	201.683	1,388	0,274
Dalam Kelompok	2906.751	20	145.338		
Total	3713.484	24			

Malondialdehid

Duncan^a

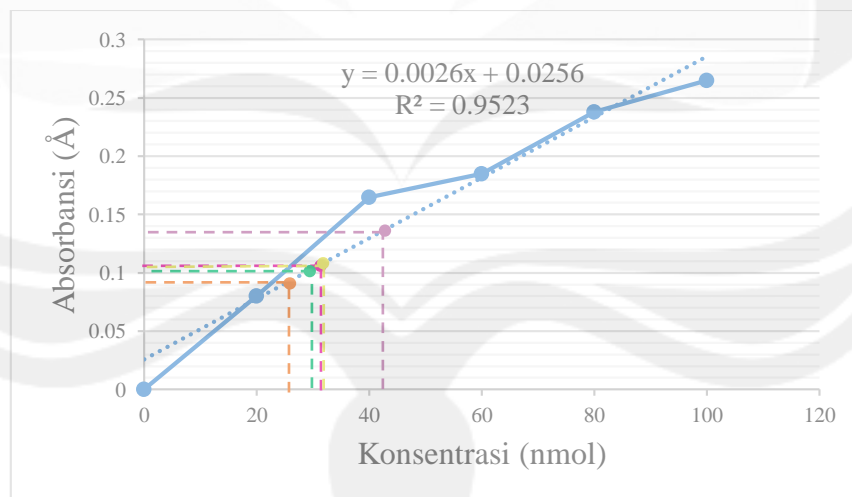
Perlakuan	N	Batas alfa = 0.05
		1
Kontrol Positif	5	26.3415
5 mg / kg berat badan	5	29.5685
Kontrol Negatif	5	32.1201
10 mg/kg berat badan	5	32.7205
20 mg/kg berat badan	5	43.2270
Sig.		.059

Rata – rata kelompok dalam batas homogen ditampilkan.

a. Menggunakan harmonik ukuran sampel harmonik = 5,00

Lampiran 5. Kurva Standar Tetrametoksipropan (TMP)

Konsentrasi	Absorbansi
100	0.265
80	0.238
60	0.185
40	0.165
20	0.080



Keterangan:

- Kontrol +
- Kontrol -
- 20 mg/kgbb
- 10 mg/kgbb
- 5 mg/kgbb

Lampiran 6. Ekstraksi Minyak Atsiri Biji Pala (*Myristica fragrans* Houtt.)



(a)



(b)



(c)



(d)



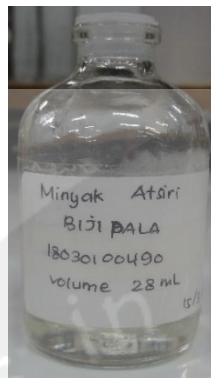
(e)



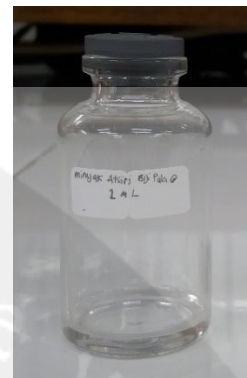
(f)

Ekstraksi Minyak Atsiri Biji Pala (*Myristica fragrans* Houtt.)

Keterangan: (a) Biji Pala (*Myristica fragrans* Houtt.); (b) Pengecilan Ukuran Pala dengan Lumpang dan Alu; (c) Biji Pala (*Myristica fragrans* Houtt.) yang telah dicecilkan ukurannya; (d) Berat Biji Pala (*Myristica fragrans* Houtt.); (e) Dandang distilasi uap; (f) Minyak atsiri yang tertampung;



(g)



(h)

Ekstraksi Minyak Atsiri Biji Pala (*Myristica fragrans* Houtt.)

Keterangan: (g) Minyak Atsiri Hasil Penyulingan; (h) Sampel Minyak Atsiri yang Digunakan untuk Pengujian GC-MS.

Lampiran 7. Pemberian Sediaan Minyak Atsiri Biji Pala (*Myristica fragrans* Houtt.)



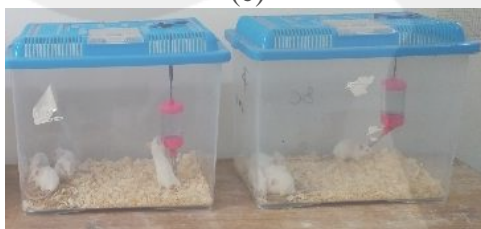
(a)



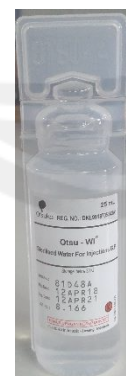
(b)



(c)



(d)



(e)

Pemberian Minyak Atsiri Biji Pala (*Myristica fragrans* Houtt.)

Keterangan: (a) Jarum Peroral; (b) Kontrol + Fluoxetine 20 mg / kg berat badan (c) Mencit (Mus Musculus Kelompok Pengujian I – III; (d) Mencit (Mus musculus L.) Kelompok Pengujian IV - V; (e) Sediaan Minyak Atsiri;

Lampiran 8. *Thiobarbituric Acid Reactions (TBARS)*



(a)



(b)



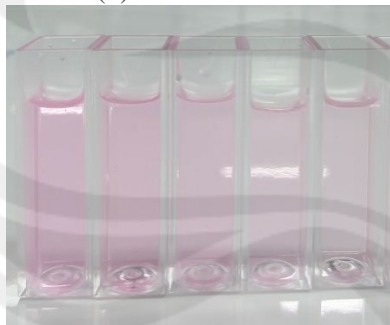
(c)



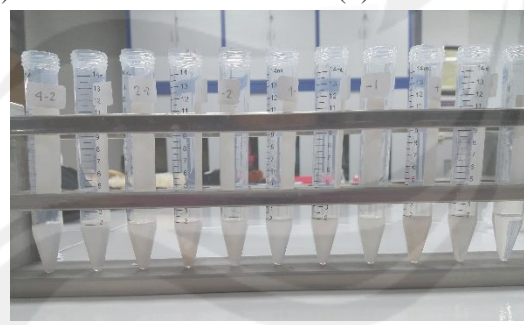
(d)



(e)



(f)



(g)

Thiobarbituric Acid Reaction (TBARS)

Keterangan: (a) Refrigerator Centrifuge Hettich Universal 320R; (b) Sampel darah yang di sentrifugasi; (c) Sampel Darah; (d) Serum Darah; (e) Senyawa Standar 1,1,3,3-tetramethoxypropane; (f) Kurva Standar 1,1,3,3-tetramethoxypropane; (g) Pengujian Sampel Serum Darah.

Lampiran 9. Keterangan Kelaikan Etik



**KOMISI ETIK PENELITIAN KESEHATAN
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KETERANGAN KELAIKAN ETIK

(Ethical Clearance)

Nomor : 743/C.16/FK/2018

Komisi Etik Penelitian Kedokteran Fakultas Kedokteran Universitas Kristen Duta Wacana, setelah mempelajari dengan seksama rancangan penelitian yang diusulkan, dengan ini menyatakan bahwa penelitian dengan :

Judul : AKTIVITAS ANTIDEPRESAN MINYAK ATSIRI BIJI PALA (*Myristica fragrans* Houtt.) TERHADAP KADAR STRESS OKSIDATIF MENCIT (*Mus musculus*) DENGAN PENGUJIAN *FORCED SWIM TEST* (FST)

Peneliti : Agnes Maya Wandita

NIM : 140801492

Pembimbing utama : Drs. B. Boy Rahardjo Sidharta, M.Sc

Pembimbing pendamping : Nelsiani To'Bungan, S.Pd., M.Sc

Lembaga/tempat penelitian : Laboratorium Lingkungan UAJY

Dinyatakan memenuhi persyaratan etik untuk dilaksanakan, dengan catatan sewaktu-waktu komisi dapat melakukan pemantauan. Kelaikan etik ini berlaku 1 (satu) tahun sejak tanggal di tetapkan.

Yogyakarta, 18 September 2018

Dr. dr. Rizaldy Taslim Pinzon, Sp.S., M.Kes.

(Ketua)



dr. Arum Krismi, M.Sc, Sp.KK

(Sekretaris)

Lampiran 10. Hasil Pengujian GC – MS minyak atsiri Biji Pala (*Myristica fragrans* Houtt.)

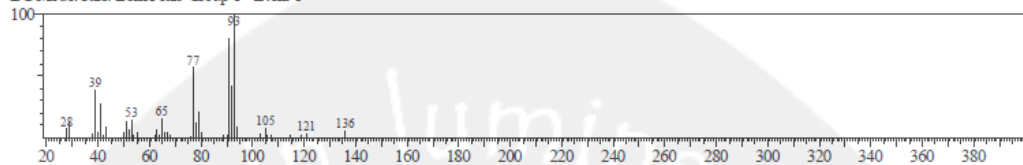
Library

<< Target >>

Line#1 R.Time: 11.158(Scan#:956) MassPeaks:40

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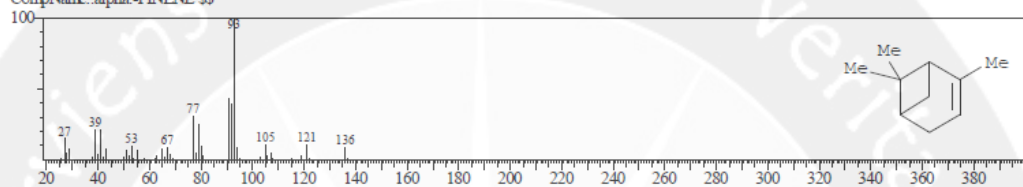
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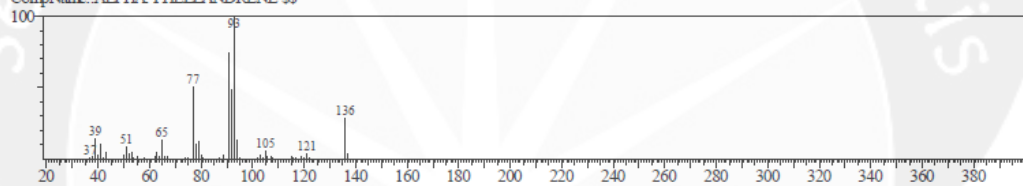
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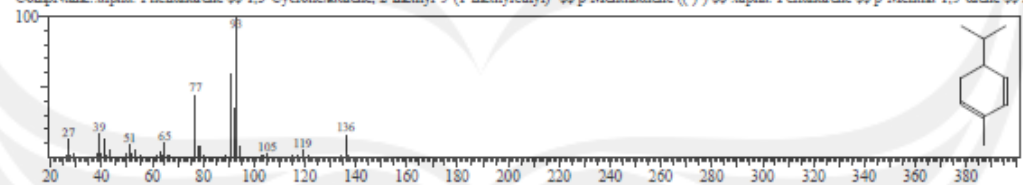
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Hit#3 Entry:6698 Library:NIST62.LIB

SI:89 Formula:C10H16 CAS:99-83-2 MolWeight:136 RetIndex:0

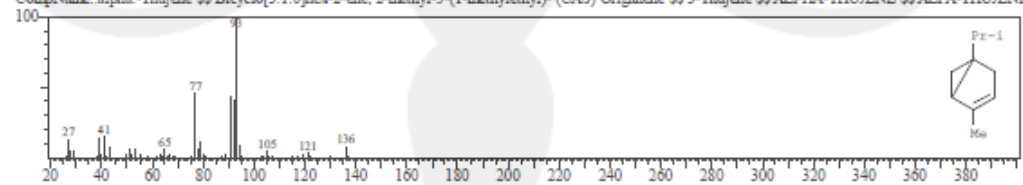
CompName:alpha-Phellandrene \$\$ 1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)- \$\$ p-Menthadiene ((-)) \$\$ alpha-Fellandrene \$\$ p-Menta-1,5-diene \$\$ 1-



Hit#4 Entry:19519 Library:WILEY229.LIB

SI:89 Formula:C10H16 CAS:2867-05-2 MolWeight:136 RetIndex:0

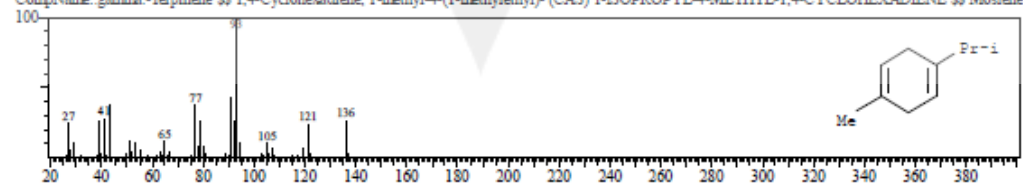
CompName:alpha-Thujene \$\$ Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)- (CAS) Origanene \$\$ 3-Thujene \$\$ ALPHA-THUJENE \$\$ ALFA-THUJENE



Hit#5 Entry:19396 Library:WILEY229.LIB

SI:89 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:0

CompName:gamma-Terpinene \$\$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (CAS) 1-ISOPROPYL-4-METHYL-1,4-CYCLOHEXADIENE \$\$ Moslene \$

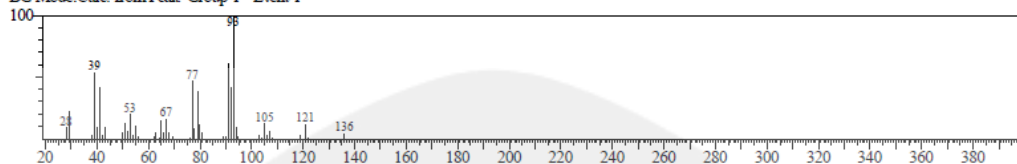


<< Target >>

Line#:2 R. Time:11.417(Scan#:987) MassPeaks:46

RawMode:Averaged 11.408-11.425(986-988) BasePeak:93.00(23572)

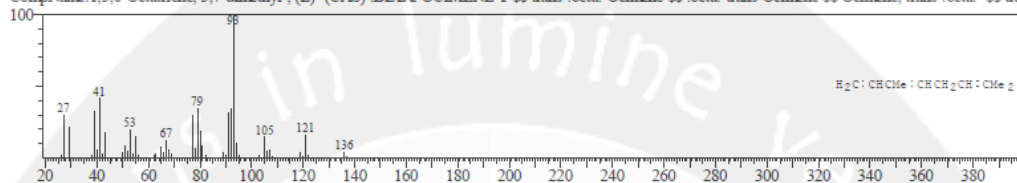
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:19287 Library:WILEY229.LIB

SE:92 Formula:C10H16 CAS:3779-61-1 MolWeight:136 RetIndex:0

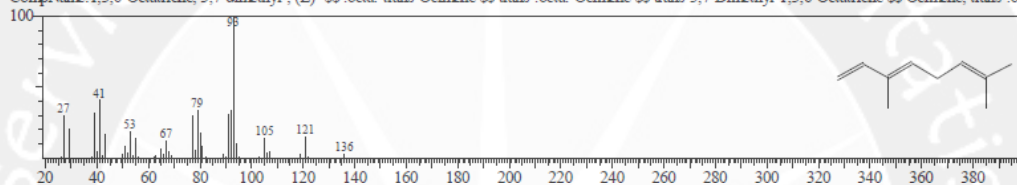
CompName:1,3,6-Octatriene, 3,7-dimethyl-, (E)- (CAS) .BETA. OCIMENE Y \$\$ trans-.beta.-Ocimene \$\$ beta.-trans-Ocimene \$\$ Ocimene, trans-.beta.- \$\$ trans-



Hit#:2 Entry:6623 Library:NIST62.LIB

SE:92 Formula:C10H16 CAS:3779-61-1 MolWeight:136 RetIndex:0

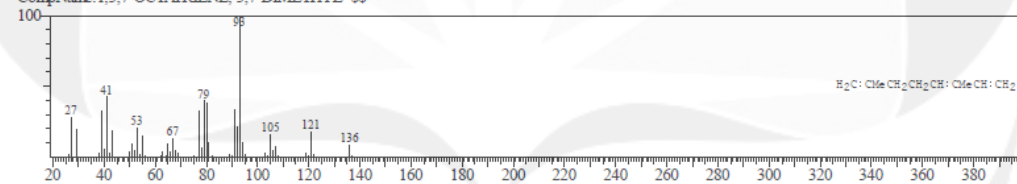
CompName:1,3,6-Octatriene, 3,7-dimethyl-, (E)- \$\$.beta.-trans-Ocimene \$\$ trans-.beta.-Ocimene \$\$ trans-3,7-Dimethyl-1,3,6-Octatriene \$\$ Ocimene, trans-.beta.-



Hit#:3 Entry:19308 Library:WILEY229.LIB

SE:91 Formula:C10H16 CAS:502-99-8 MolWeight:136 RetIndex:0

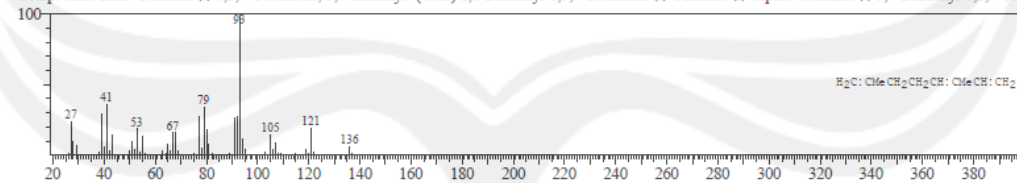
CompName:1,3,7-OCTATRIENE, 3,7-DIMETHYL- \$\$



Hit#:4 Entry:19306 Library:WILEY229.LIB

SE:91 Formula:C10H16 CAS:502-99-8 MolWeight:136 RetIndex:0

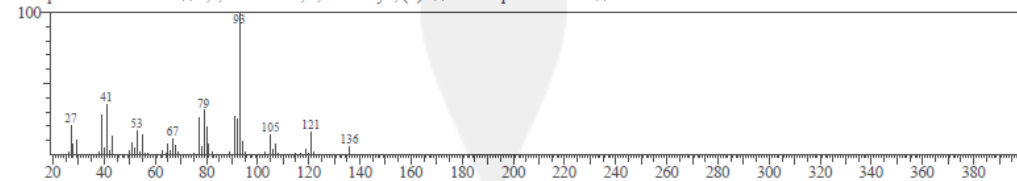
CompName:Trans-Ocimene \$\$ 1,3,7-Octatriene, 3,7-dimethyl- (CAS) 2,6-Dimethyl-1,5,7-octatriene \$\$ Ocimene \$\$.alpha.-Ocimene \$\$ 3,7-Dimethyl-1,3,7-octatriene



Hit#:5 Entry:19302 Library:WILEY229.LIB

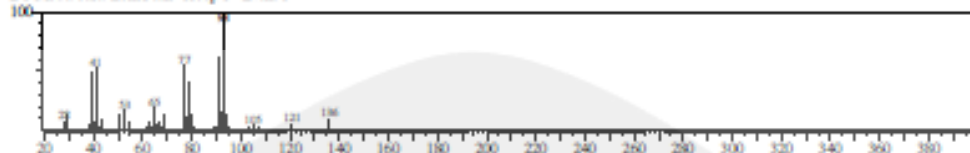
SE:91 Formula:C10H16 CAS:6874-10-8 MolWeight:136 RetIndex:0

CompName:cis-Ocimene \$\$ 1,3,7-Octatriene, 3,7-dimethyl-, (E)- \$\$ trans-.alpha.-Ocimene \$\$



<< Target >>

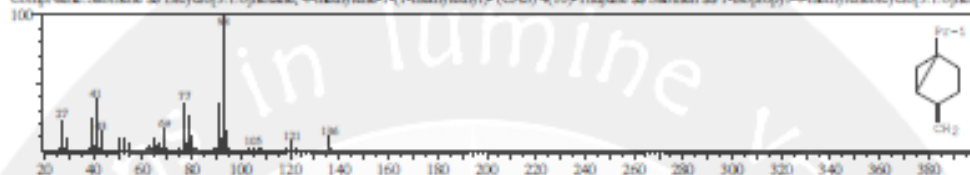
Line# 3 R-Time:13.033(Scan#1181) MassPeak:41
 RawMode:Average! 13.025-13.042(1180-1182) BasePeak:93.00(253031)
 RG Mode:Calc. from Peak Group 1 - Event 1



HM# 1 Entry:19529 Library:WILEY229.LIB

SE:91 Formula:C10H16 CAS:3383-41-5 MolWeight:136 RefIndex:0

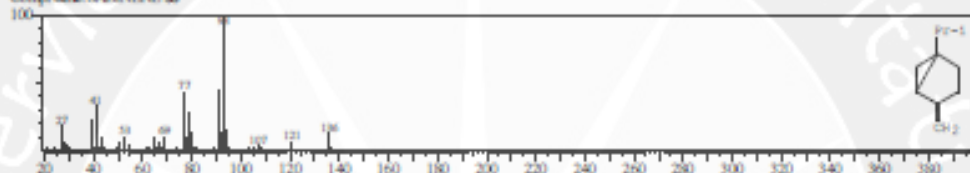
CompName: Sabinene SS Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)- (CAS) 4(10)-Thujene SS Sabinen SS 1-Isopropyl-4-methylbicyclo[3.1.0]hexane 1



HM# 2 Entry:19703 Library:WILEY229.LIB

SE:91 Formula:C10H16 CAS:3383-41-5 MolWeight:136 RefIndex:0

CompName: SARDENE SS



HM# 3 Entry:6669 Library:NIST62.LIB

SE:90 Formula:C10H16 CAS:127-91-3 MolWeight:136 RefIndex:0

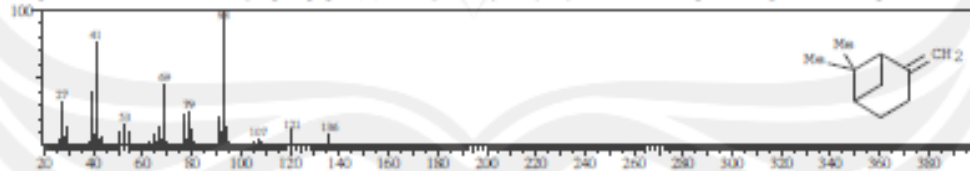
CompName: beta-Pinene SS Bicyclo 3.1.1 heptane, 6,6-dimethyl-2-methylene- SS 2(10)-Pinene SS Nopinene SS Nopinene SS Pseudopinene SS Pseudopinene SS Terpin



HM# 4 Entry:19552 Library:WILEY229.LIB

SE:89 Formula:C10H16 CAS:127-91-3 MolWeight:136 RefIndex:0

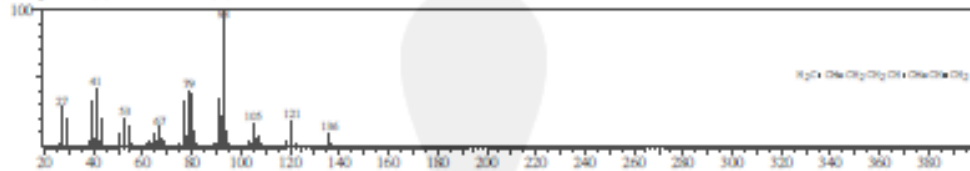
CompName: 2-HEXA-PINENE SS Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS) beta-Pinene SS Nopinene SS Nopinene SS Pseudopinene SS Pseudopinene



HM# 5 Entry:19308 Library:WILEY229.LIB

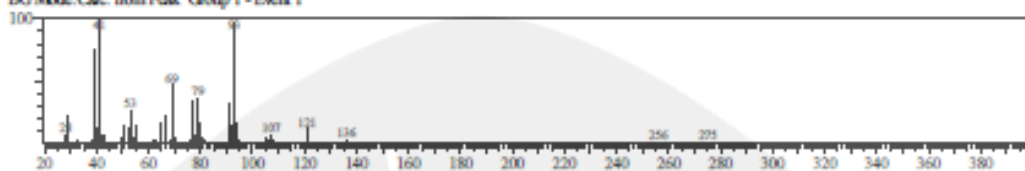
SE:89 Formula:C10H16 CAS:502-99-8 MolWeight:136 RefIndex:0

CompName: 1,3,7-OCTATRIENE, 3,7-DIMETHYL- SS

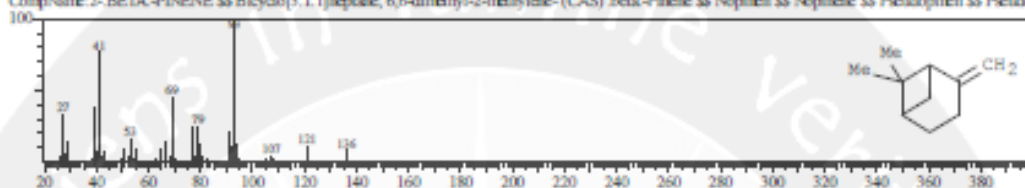


<< Target >>

Line#4 R.Time:13.125(Scan#:1192) MissPeak:47
 RawMode:Average# 13.117-13.133(1191-1193) BasePeak:41.05(7254)
 BG Mode:Calc. from Peak Group 1 - Event 1



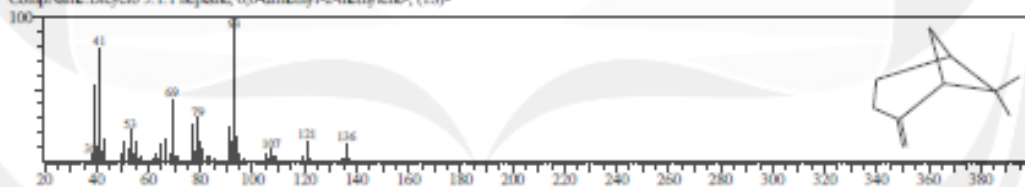
Hit#1 Entry:19552 Library:WILEY229.LIB
 SI:90 Formula:C10H16 CAS:127-91-3 MolWeight:136 RefIndex:0
 CompName:2-BETA-PINENE SS Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-(CAS) beta-Pinene SS Nopinene SS Nopinene SS Pseudopinene SS Pseudopin



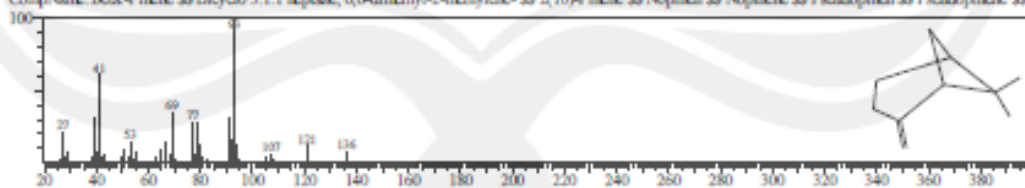
Hit#2 Entry:19550 Library:WILEY229.LIB
 SI:89 Formula:C10H16 CAS:18172-67-3 MolWeight:136 RefIndex:0
 CompName:1-beta-Pinene SS Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)- (CAS) BETA-PINENE SS (-)-2(10)-Pinene SS (-)-beta-Pinene SS 2(10)-P



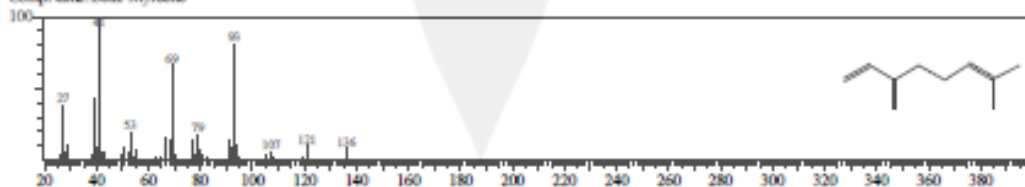
Hit#3 Entry:3506 Library:NIST12.LIB
 SI:89 Formula:C10H16 CAS:18172-67-3 MolWeight:136 RefIndex:0
 CompName:Bicyclo 3.1.1 heptane, 6,6-dimethyl-2-methylene-, (1S)-



Hit#4 Entry:6669 Library:NIST62.LIB
 SI:89 Formula:C10H16 CAS:127-91-3 MolWeight:136 RefIndex:0
 CompName:beta-Pinene SS Bicyclo 3.1.1 heptane, 6,6-dimethyl-2-methylene- SS 2(10)-Pinene SS Nopinene SS Nopinene SS Pseudopinene SS Pseudopinene SS Ter

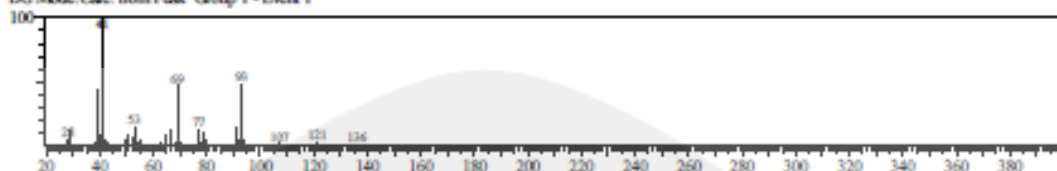


Hit#5 Entry:3577 Library:NIST12.LIB
 SI:88 Formula:C10H16 CAS:123-35-3 MolWeight:136 RefIndex:0
 CompName:beta-Myrcene

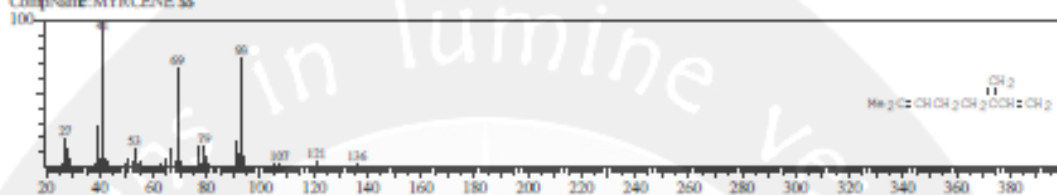


<< Target >>

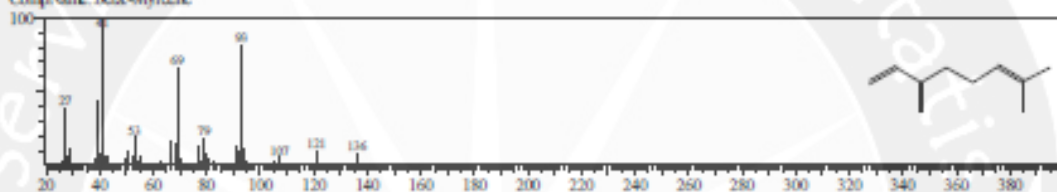
Line# 5 R-Time: 13.583(Scan# 1247) MassPeak: 35
 RawMode: Averaged 13.575-13.592(1246-1248) BasePeak: 41.00(40222)
 BG Mode: Calc. from Peak Group 1 - Event 1



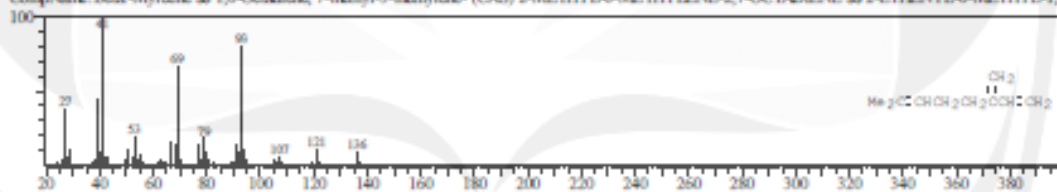
Hit#1 Entry: 19704 Library: WILEY229.LIB
 SI:93 Formula: C10H16 CAS: 123-35-3 MolWeight: 136 RefIndex: 0
 CompName: MYRCENE SS



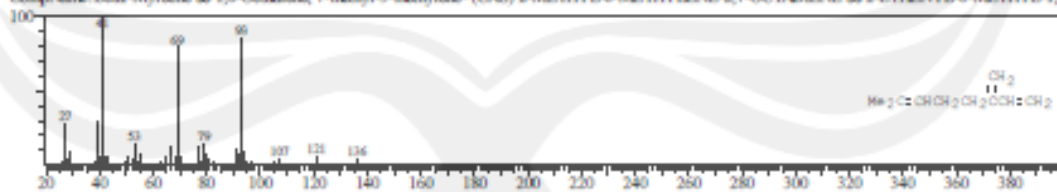
Hit#2 Entry: 3577 Library: NIST12.LIB
 SI:92 Formula: C10H16 CAS: 123-35-3 MolWeight: 136 RefIndex: 0
 CompName: beta-Myrcene



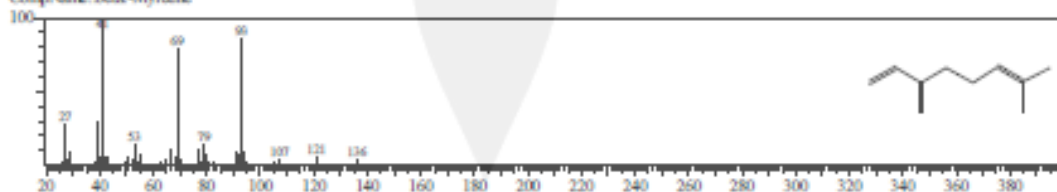
Hit#3 Entry: 19321 Library: WILEY229.LIB
 SI:92 Formula: C10H16 CAS: 123-35-3 MolWeight: 136 RefIndex: 0
 CompName: beta-Myrcene SS 1,6-Octadiene, 7-methyl-3-methylene- (CAS) 2-METHYL-6-METHYLENE-2,7-OCTADIENE SS 2-ETHENYL-6-METHYL-1,5-HE



Hit#4 Entry: 19318 Library: WILEY229.LIB
 SI:91 Formula: C10H16 CAS: 123-35-3 MolWeight: 136 RefIndex: 0
 CompName: beta-Myrcene SS 1,6-Octadiene, 7-methyl-3-methylene- (CAS) 2-METHYL-6-METHYLENE-2,7-OCTADIENE SS 2-ETHENYL-6-METHYL-1,5-HE

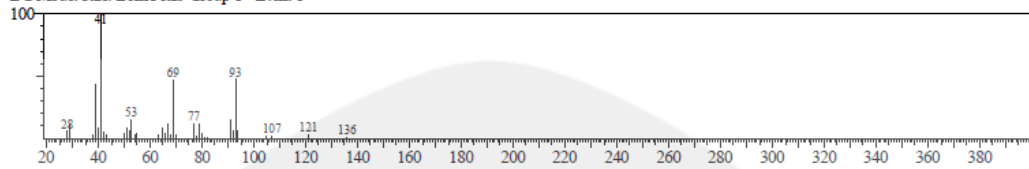


Hit#5 Entry: 3575 Library: NIST12.LIB
 SI:91 Formula: C10H16 CAS: 123-35-3 MolWeight: 136 RefIndex: 0
 CompName: beta-Myrcene

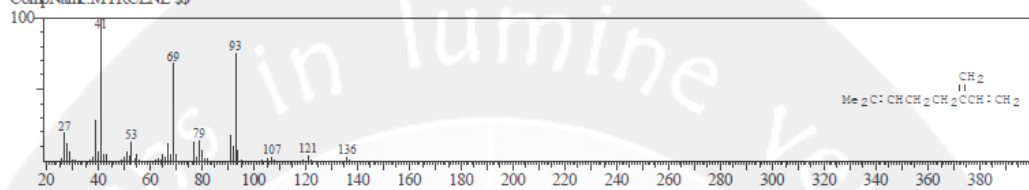


<<Target >>

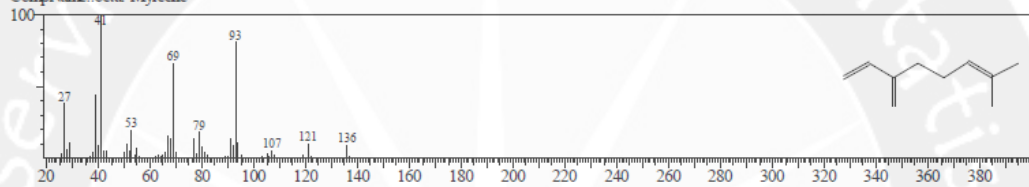
Line#:5 R.Time:13.583(Scan#:1247) MassPeaks:35
 RawMode:Averaged 13.575-13.592(1246-1248) BasePeak:41.00(40222)
 BGMode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:19704 Library:WILEY229.LIB
 SI:93 Formula:C10H16 CAS:123-35-3 MolWeight:136 RetIndex:0
 CompName:MYRCENE \$\$

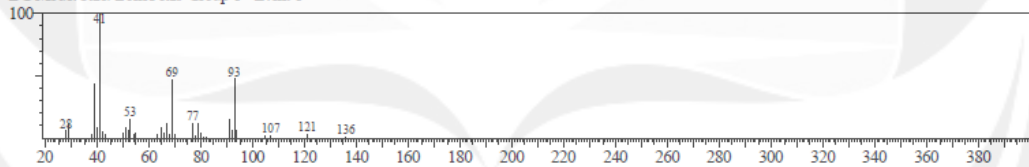


Hit#:2 Entry:3577 Library:NIST12.LIB
 SI:92 Formula:C10H16 CAS:123-35-3 MolWeight:136 RetIndex:0
 CompName:beta-Myrcene

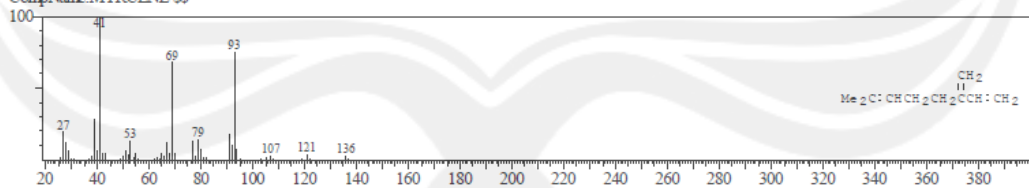


<<Target >>

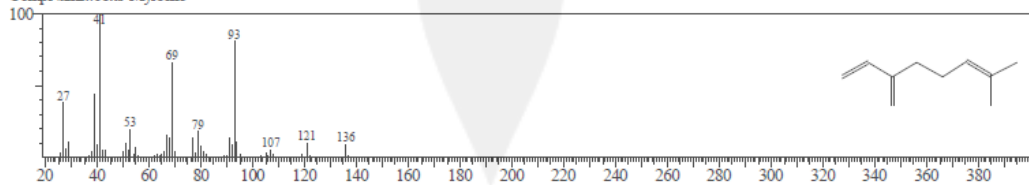
Line#:5 R.Time:13.583(Scan#:1247) MassPeaks:35
 RawMode:Averaged 13.575-13.592(1246-1248) BasePeak:41.00(40222)
 BGMode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:19704 Library:WILEY229.LIB
 SI:93 Formula:C10H16 CAS:123-35-3 MolWeight:136 RetIndex:0
 CompName:MYRCENE \$\$

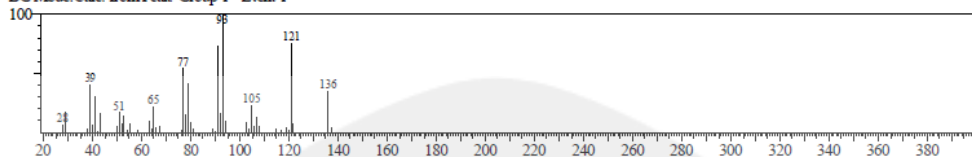


Hit#:2 Entry:3577 Library:NIST12.LIB
 SI:92 Formula:C10H16 CAS:123-35-3 MolWeight:136 RetIndex:0
 CompName:beta-Myrcene

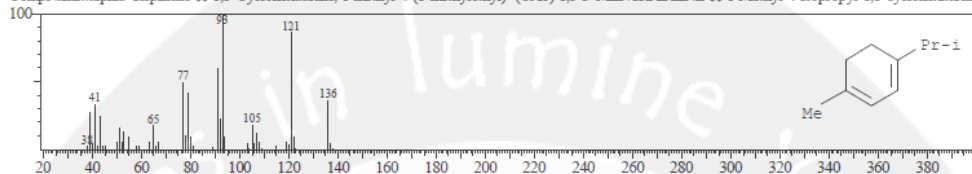


<< Target >>

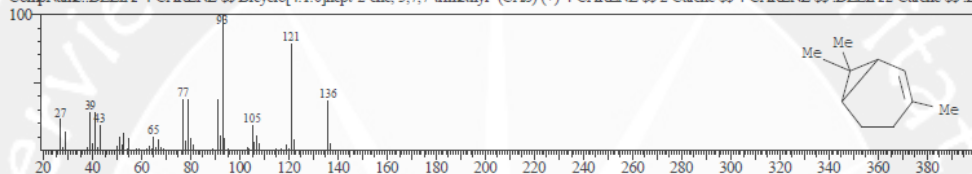
Line# 7 R Time: 14.542(Scan#: 1362) MassPeaks: 46
 RawMode: Averaged 14.533-14.550(1361-1363) BasePeak: 93.00(20296)
 BG Mode: Calc. from Peak Group 1 - Event 1



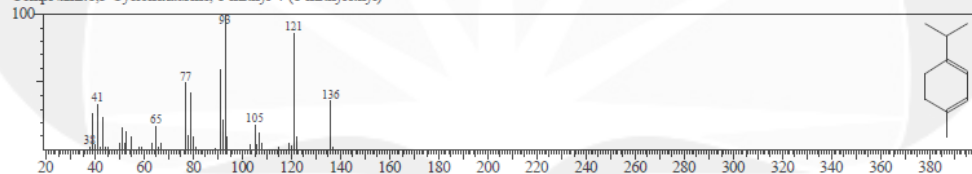
Hit# 1 Entry: 19358 Library: WILEY229.LIB
 SI93 Formula: C10H16 CAS: 99-86-5 MolWeight: 136 RetIndex: 0
 CompName: alpha-Terpinene \$ 1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (CAS) 1,3-P-MENTHADIENE \$ 1-Methyl-4-isopropyl-1,3-cyclohexadiene \$



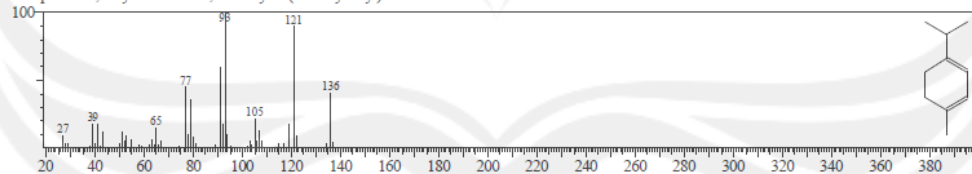
Hit# 2 Entry: 19568 Library: WILEY229.LIB
 SI93 Formula: C10H16 CAS: 554-61-0 MolWeight: 136 RetIndex: 0
 CompName: DELTA-4-CARENE \$ Bicyclo[4.1.0]hept-2-ene, 3,7,7-trimethyl- (CAS) (+)-4-CARENE \$ 2-Carene \$ 4-CARENE \$ DELTA-2-Carene \$ DELTA-4-CARENE \$



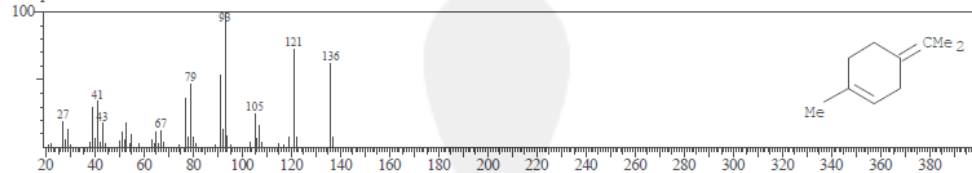
Hit# 3 Entry: 3520 Library: NIST12.LIB
 SI93 Formula: C10H16 CAS: 99-86-5 MolWeight: 136 RetIndex: 0
 CompName: 1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-



Hit# 4 Entry: 3522 Library: NIST12.LIB
 SI93 Formula: C10H16 CAS: 99-86-5 MolWeight: 136 RetIndex: 0
 CompName: 1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-



Hit# 5 Entry: 19708 Library: WILEY229.LIB
 SI93 Formula: C10H16 CAS: 586-62-9 MolWeight: 136 RetIndex: 0
 CompName: TERPINOLENE \$

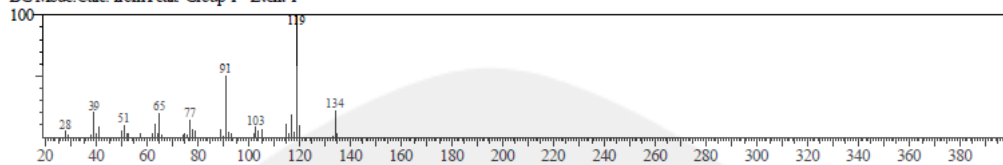


<<Target>>

Line# 8 R. Time: 14.833(Scan#: 1397) MassPeaks: 40

RawMode: Averaged 14.825-14.842(1396-1398) BasePeak: 119.00(17381)

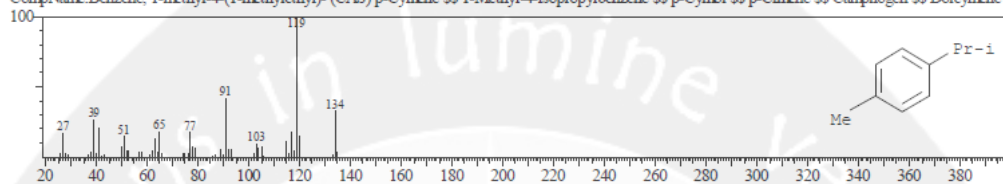
BGMode: Calc. from Peak Group 1 - Event 1



Hit# 1 Entry: 18067 Library: WILEY229.LIB

SI: 94 Formula: C₁₀H₁₄ CAS: 99-87-6 MolWeight: 134 RetIndex: 0

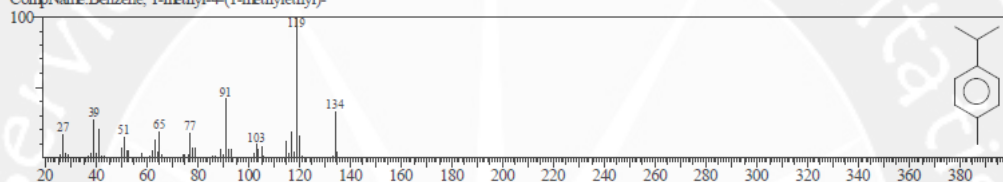
CompName: Benzene, 1-methyl-4-(1-methylethyl)- (CAS) p-Cymene \$\$ 1-Methyl-4-isopropylbenzene \$\$ p-Cymol \$\$ p-Cimene \$\$ Camphogen \$\$ Dolcymene \$\$



Hit# 2 Entry: 3302 Library: NIST12.LIB

SI: 94 Formula: C₁₀H₁₄ CAS: 99-87-6 MolWeight: 134 RetIndex: 0

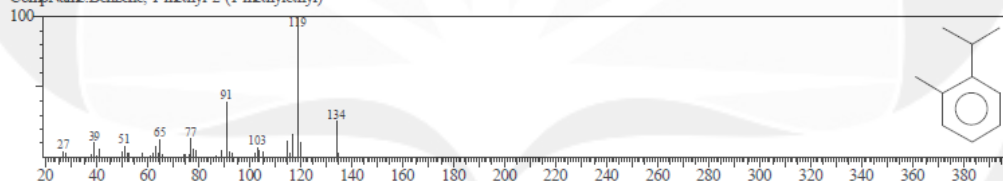
CompName: Benzene, 1-methyl-4-(1-methylethyl)-



Hit# 3 Entry: 3347 Library: NIST12.LIB

SI: 94 Formula: C₁₀H₁₄ CAS: 527-84-4 MolWeight: 134 RetIndex: 0

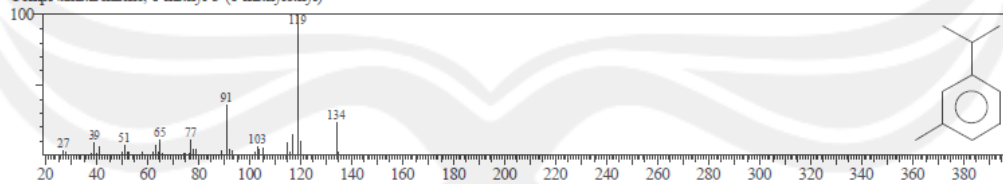
CompName: Benzene, 1-methyl-2-(1-methylethyl)-



Hit# 4 Entry: 3345 Library: NIST12.LIB

SI: 93 Formula: C₁₀H₁₄ CAS: 535-77-3 MolWeight: 134 RetIndex: 0

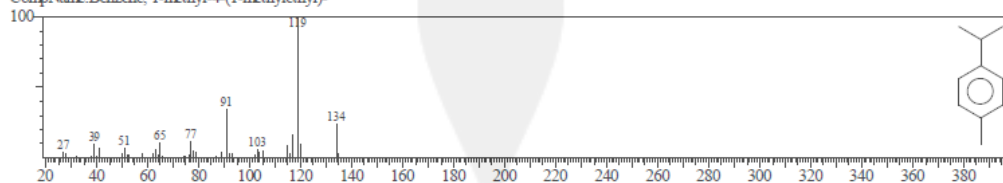
CompName: Benzene, 1-methyl-3-(1-methylethyl)-



Hit# 5 Entry: 3304 Library: NIST12.LIB

SI: 92 Formula: C₁₀H₁₄ CAS: 99-87-6 MolWeight: 134 RetIndex: 0

CompName: Benzene, 1-methyl-4-(1-methylethyl)-

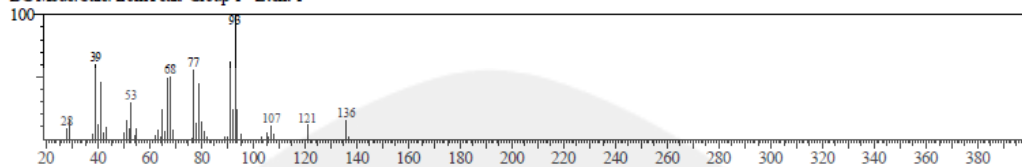


<<Target>>

Line#9 R.Time:15.058(Scan#:1424) MassPeaks:44

RawMode:Averaged 15.050-15.067(1423-1425) BasePeak:93.00(119080)

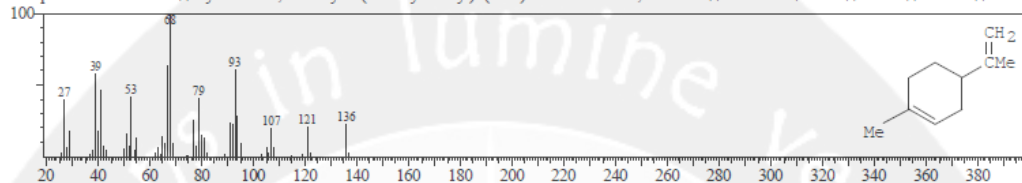
BGMode:Calc. from Peak Group 1 - Event 1



Hit#1 Entry:19413 Library:WILEY229.LIB

SE:91 Formula:C10H16 CAS:138-86-3 MolWeight:136 RetIndex:0

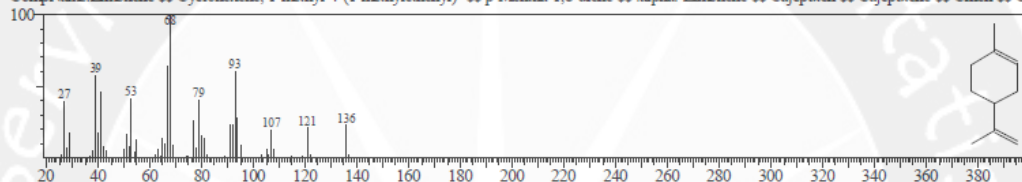
CompName:dl-Limonene \$\$ Cyclohexene, 1-methyl-4-(1-methylethenyl)- (CAS) 1-P-MENTHA-1,8-DIENE \$\$ Limonene \$Cinen \$\$ Nesol \$\$ Cinene \$\$ Limone



Hit#2 Entry:6647 Library:NIST62.LIB

SE:91 Formula:C10H16 CAS:138-86-3 MolWeight:136 RetIndex:0

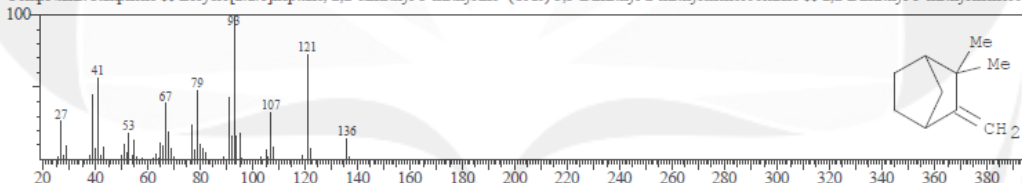
CompName:Limonene \$\$ Cyclohexene, 1-methyl-4-(1-methylethenyl)- \$\$ p-Mentha-1,8-diene \$\$ alpha-Limonene \$\$ Cajeputen \$\$ Cajeputene \$\$ Cinen \$\$ Cine



Hit#3 Entry:19503 Library:WILEY229.LIB

SE:88 Formula:C10H16 CAS:79-92-5 MolWeight:136 RetIndex:0

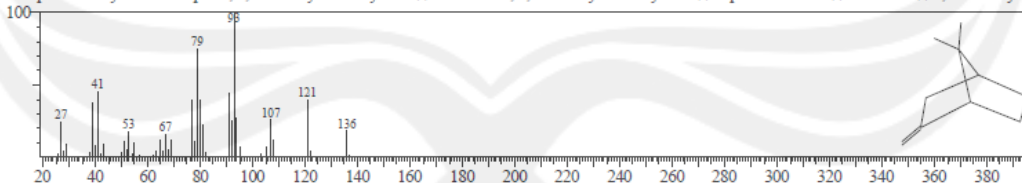
CompName:Camphene \$\$ Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- (CAS) 3,3-Dimethyl-2-methylenenorbornane \$\$ 2,2-Dimethyl-3-methylenenorbornan



Hit#4 Entry:6625 Library:NIST62.LIB

SE:88 Formula:C10H16 CAS:471-84-1 MolWeight:136 RetIndex:0

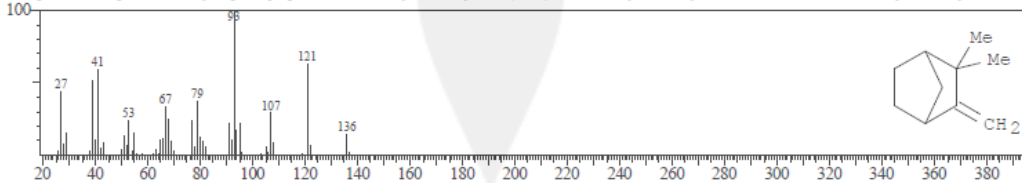
CompName:Bicyclo 2.2.1 heptane, 7,7-dimethyl-2-methylene- \$\$ Norbornane, 7,7-dimethyl-2-methylene- \$\$ alpha-Fenchene \$\$ Fenchene \$\$ 7,7-Dimethyl-2-me



Hit#5 Entry:19502 Library:WILEY229.LIB

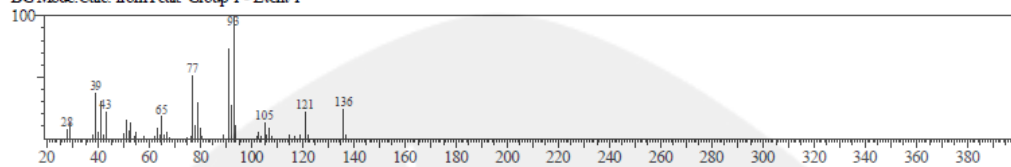
SE:88 Formula:C10H16 CAS:79-92-5 MolWeight:136 RetIndex:0

CompName:Camphene \$\$ Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- (CAS) 3,3-Dimethyl-2-methylenenorbornane \$\$ 2,2-Dimethyl-3-methylenenorbornan

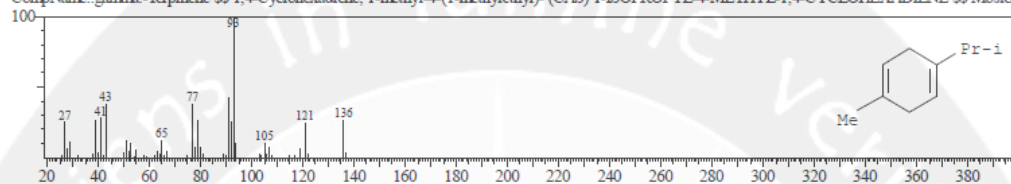


<< Target >>

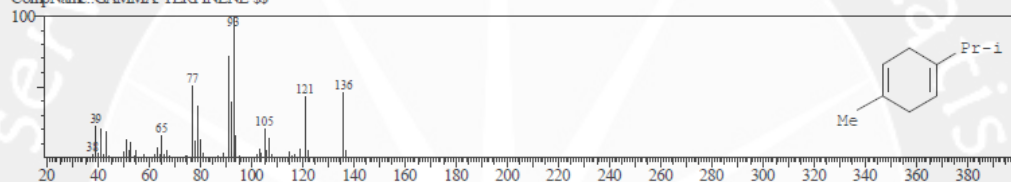
Line#:10 R.Time:16.092(Scan#:1548) MassPeaks:48
 RawMode:Averaged 16.083-16.100(1547-1549) BasePeak:93.00(41054)
 BG Mode:Calc. from Peak Group 1 - Event 1



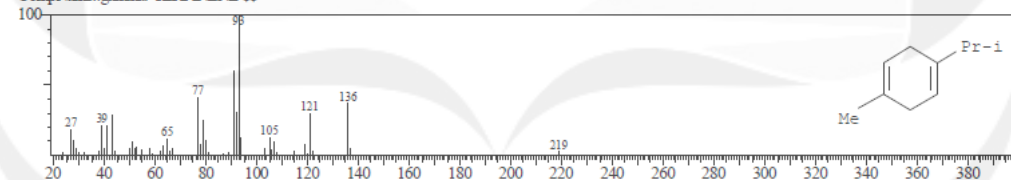
Hit#:1 Entry:19396 Library:WILEY229.LIB
 SE:94 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:0
 CompName:.gamma.-Terpinene \$\$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (CAS) 1-ISOPROPYL-4-METHYL-1,4-CYCLOHEXADIENE \$\$ Moslene !



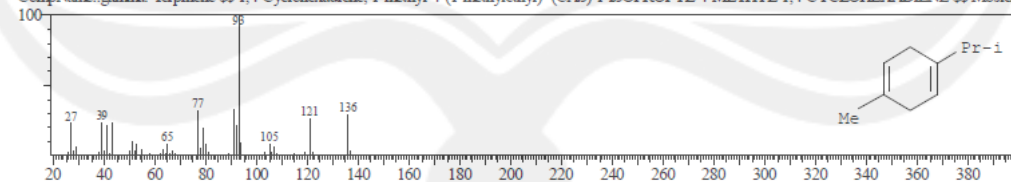
Hit#:2 Entry:19695 Library:WILEY229.LIB
 SE:92 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:0
 CompName:.GAMMA. TERPINENE \$\$



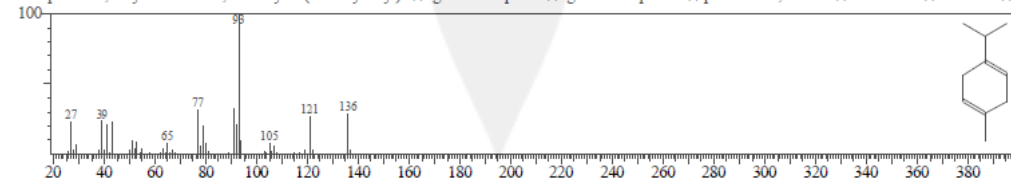
Hit#:3 Entry:19706 Library:WILEY229.LIB
 SE:92 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:0
 CompName:.gamma.-TERPINENE \$\$



Hit#:4 Entry:19397 Library:WILEY229.LIB
 SE:91 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:0
 CompName:.gamma.-Terpinene \$\$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (CAS) 1-ISOPROPYL-4-METHYL-1,4-CYCLOHEXADIENE \$\$ Moslene !

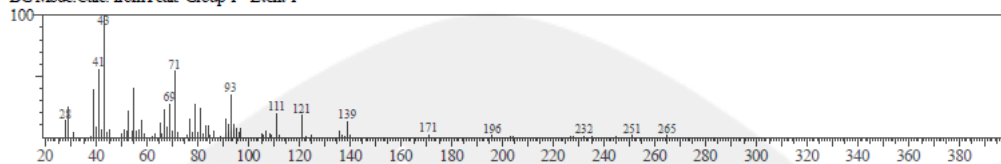


Hit#:5 Entry:6612 Library:NIST62.LIB
 SE:91 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:0
 CompName:1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- \$\$.gamma.-Terpinene \$\$ p-Mentha-1,4-diene \$\$ Crithmene \$\$ Moslene \$\$ 1-

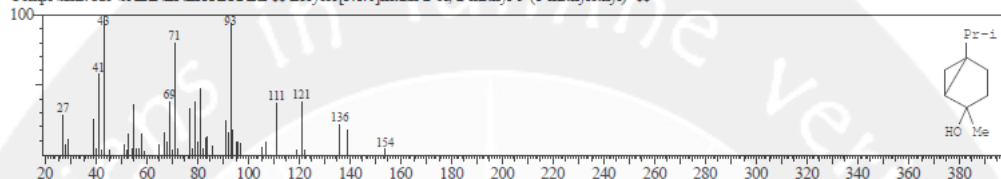


<<Target >>

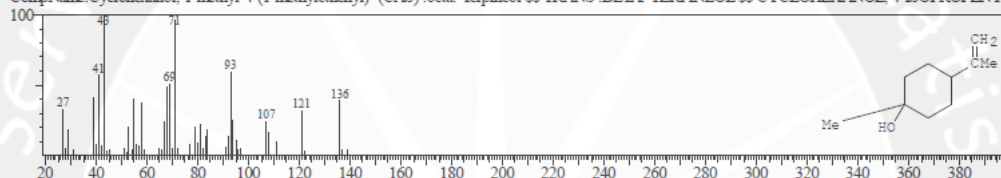
Line#:11 R-Time:16.367(Scan#:1581) MassPeaks:76
 RawMode:Averaged 16.358-16.375(1580-1582) BasePeak:43.00(5983)
 BGMMode:Calc. from Peak Group 1 - Event 1



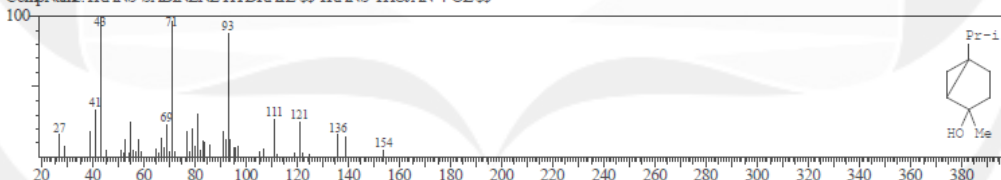
Hit#:1 Entry:31468 Library:WILEY229.LIB
 SI:89 Formula:C10 H18 O CAS:546-79-2 MolWeight:154 RetIndex:0
 CompName:CIS-SABINENEHYDRATE \$\$ Bicyclo[3.1.0]hexan-2-ol, 2-methyl-5-(1-methylethyl)- \$\$



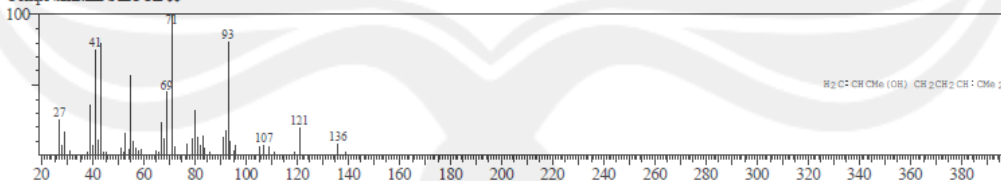
Hit#:2 Entry:31445 Library:WILEY229.LIB
 SI:87 Formula:C10 H18 O CAS:138-87-4 MolWeight:154 RetIndex:0
 CompName:Cyclohexanol, 1-methyl-4-(1-methylethenyl)- (CAS) .beta.-Terpineol \$\$ TRANS .BETA.-TERPINEOL \$\$ CYCLOHEXANOL, 4-ISOPROPENYL-1-



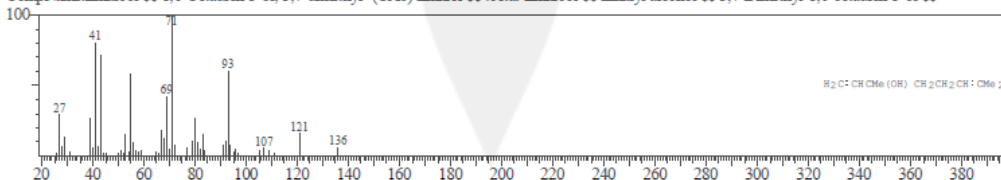
Hit#:3 Entry:31473 Library:WILEY229.LIB
 SI:87 Formula:C10 H18 O CAS:546-79-2 MolWeight:154 RetIndex:0
 CompName:TRANS-SABINENE HYDRATE \$\$ TRANS-THUJAN-4-OL \$\$



Hit#:4 Entry:31713 Library:WILEY229.LIB
 SI:87 Formula:C10 H18 O CAS:78-70-6 MolWeight:154 RetIndex:0
 CompName:LINALOOL \$\$

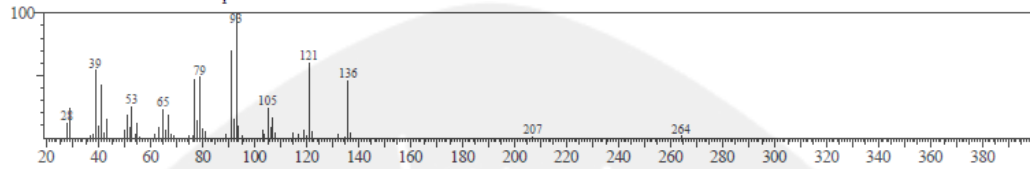


Hit#:5 Entry:31232 Library:WILEY229.LIB
 SI:86 Formula:C10 H18 O CAS:78-70-6 MolWeight:154 RetIndex:0
 CompName:Linalool \$\$ 1,6-Octadien-3-ol, 3,7-dimethyl- (CAS) Linalol \$\$.beta.-Linalool \$\$ Linalyl alcohol \$\$ 3,7-Dimethyl-1,6-octadien-3-ol \$\$



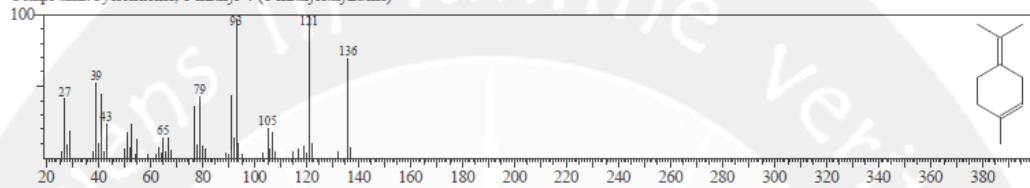
<< Target >>

Line# 12 R Time: 17.133(Scan#: 1673) MassPeaks: 54
 RawMode: Averaged 17.125-17.142(1672-1674) BasePeak: 93.00(7129)
 BGMode: Calc. from Peak Group 1 - Event 1



Hit# 1 Entry: 3545 Library: NIST12.LIB

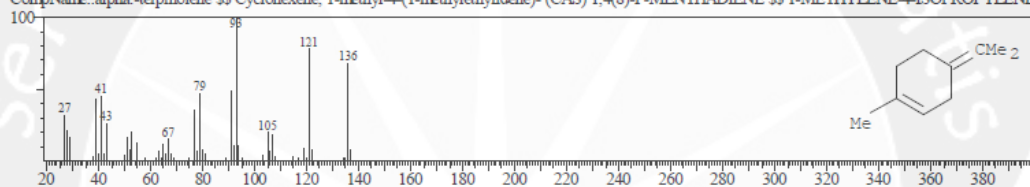
SI: 93 Formula: C₁₀H₁₆ CAS: 586-62-9 MolWeight: 136 RetIndex: 0
 CompName: Cyclohexene, 1-methyl-4-(1-methylethylidene)-



Hit# 2 Entry: 19443 Library: WILEY229.LIB

SI: 93 Formula: C₁₀H₁₆ CAS: 586-62-9 MolWeight: 136 RetIndex: 0

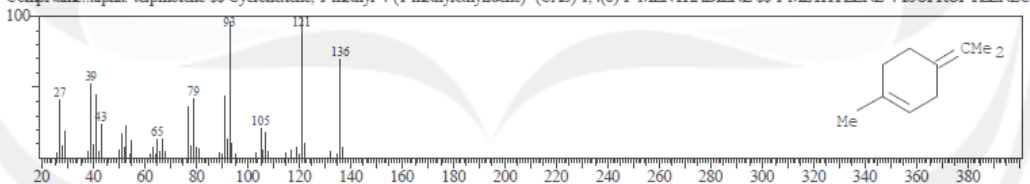
CompName: alpha-terpinolene \$\$ Cyclohexene, 1-methyl-4-(1-methylethylidene)- (CAS) 1,4(8)-P-MENTHADIENE \$\$ 1-METHYLENE-4-ISOPROPYLENECY



Hit# 3 Entry: 19447 Library: WILEY229.LIB

SI: 93 Formula: C₁₀H₁₆ CAS: 586-62-9 MolWeight: 136 RetIndex: 0

CompName: alpha-terpinolene \$\$ Cyclohexene, 1-methyl-4-(1-methylethylidene)- (CAS) 1,4(8)-P-MENTHADIENE \$\$ 1-METHYLENE-4-ISOPROPYLENECY



Hit# 4 Entry: 19449 Library: WILEY229.LIB

SI: 93 Formula: C₁₀H₁₆ CAS: 586-62-9 MolWeight: 136 RetIndex: 0

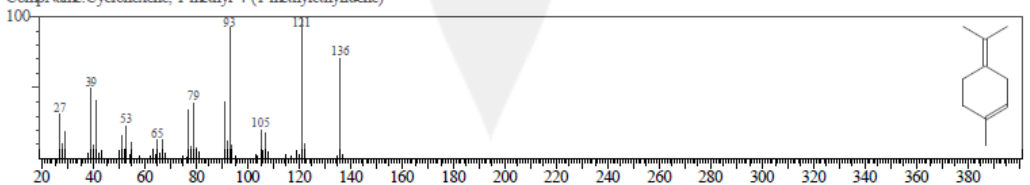
CompName: alpha-terpinolene \$\$ Cyclohexene, 1-methyl-4-(1-methylethylidene)- (CAS) 1,4(8)-P-MENTHADIENE \$\$ 1-METHYLENE-4-ISOPROPYLENECY



Hit# 5 Entry: 3546 Library: NIST12.LIB

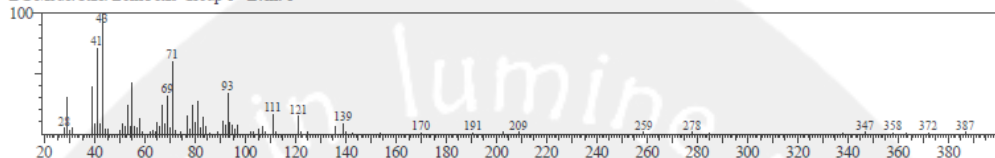
SI: 93 Formula: C₁₀H₁₆ CAS: 586-62-9 MolWeight: 136 RetIndex: 0

CompName: Cyclohexene, 1-methyl-4-(1-methylethylidene)-

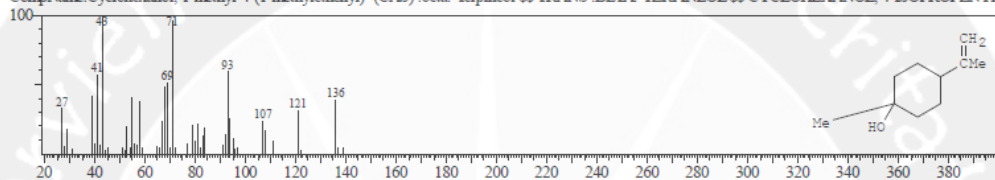


<< Target >>

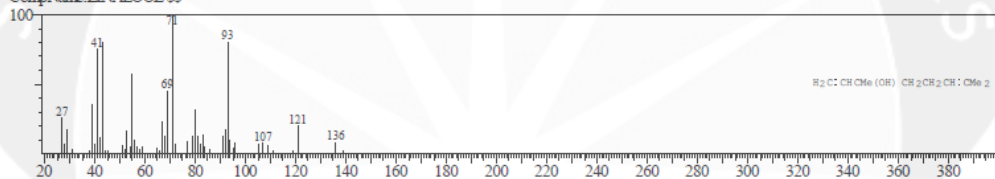
Line#:13 R Time: 17.467(Scan#: 1713) MassPeaks: 78
 RawMode: Averaged 17.458-17.475(1712-1714) BasePeak: 43.00(5023)
 BGMMode: Calc. from Peak Group 1 - Event 1



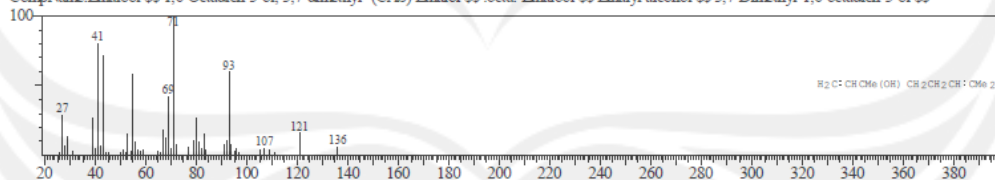
Hit#1 Entry: 31445 Library: WILEY229.LIB
 SE88 Formula: C10H18O CAS: 138-87-4 MolWeight: 154 RetIndex: 0
 CompName: Cyclohexanol, 1-methyl-4-(1-methylethenyl)- (CAS) .beta.-Terpineol \$\$ TRANS .BETA.-TERPINEOL \$\$ CYCLOHEXANOL, 4-ISOPROPENYL-1-



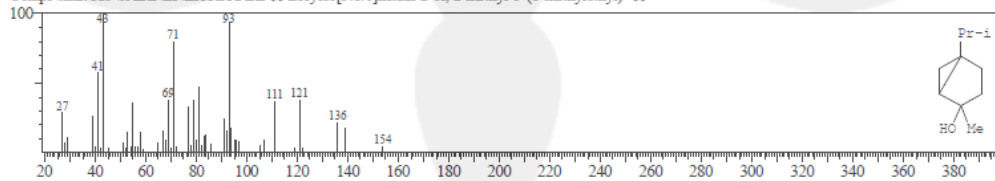
Hit#2 Entry: 31713 Library: WILEY229.LIB
 SE87 Formula: C10H18O CAS: 78-70-6 MolWeight: 154 RetIndex: 0
 CompName: LINALOOL \$\$



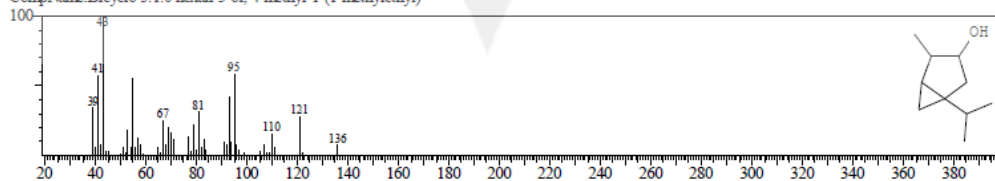
Hit#3 Entry: 31232 Library: WILEY229.LIB
 SE87 Formula: C10H18O CAS: 78-70-6 MolWeight: 154 RetIndex: 0
 CompName: Linalool \$\$ 1,6-Octadien-3-ol, 3,7-dimethyl- (CAS) Linalol \$\$.beta.-Linalool \$\$ Linalyl alcohol \$\$ 3,7-Dimethyl-1,6-octadien-3-ol \$\$



Hit#4 Entry: 31468 Library: WILEY229.LIB
 SE87 Formula: C10H18O CAS: 546-79-2 MolWeight: 154 RetIndex: 0
 CompName: CIS-SABINENEHYDRATE \$\$ Bicyclo[3.1.0]hexan-2-ol, 2-methyl-5-(1-methylethyl)- \$\$

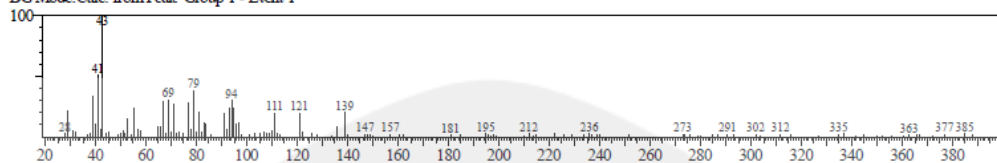


Hit#5 Entry: 4923 Library: NIST12.LIB
 SE86 Formula: C10H18O CAS: 513-23-5 MolWeight: 154 RetIndex: 0
 CompName: Bicyclo 3.1.0 hexan-3-ol, 4-methyl-1-(1-methylethyl)-

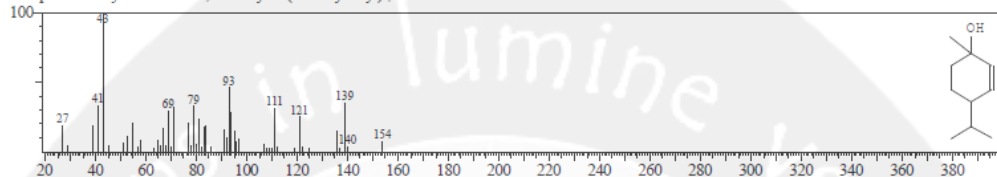


<<Target >>

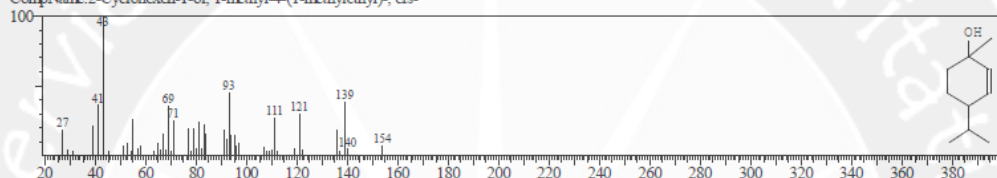
Line#:14 R.Time:18.275(Scan#:1810) MassPeaks:123
 RawMode:Averaged 18.267-18.283(1809-1811) BasePeak:42.95(2883)
 BGMode:Calc. from Peak Group 1 - Event 1



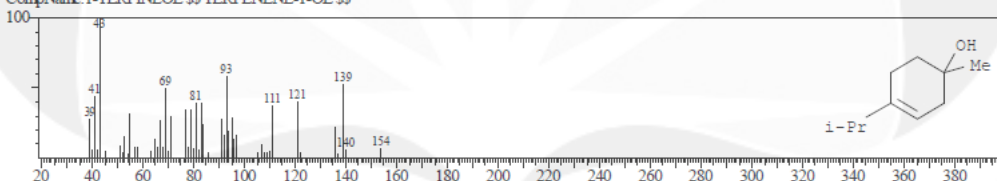
Hit#:1 Entry:10889 Library:NIST62.LIB
 SI:88 Formula:C10H18O CAS:29803-81-4 MolWeight:154 RetIndex:0
 CompName:2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, trans-



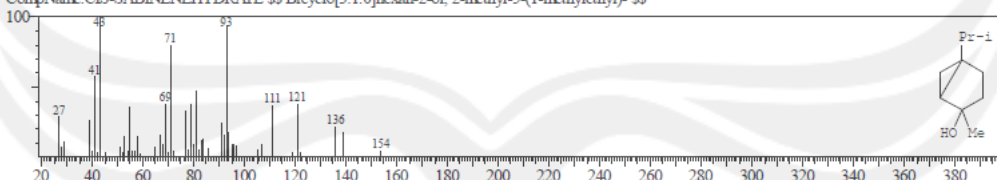
Hit#:2 Entry:10896 Library:NIST62.LIB
 SI:87 Formula:C10H18O CAS:29803-82-5 MolWeight:154 RetIndex:0
 CompName:2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, cis-



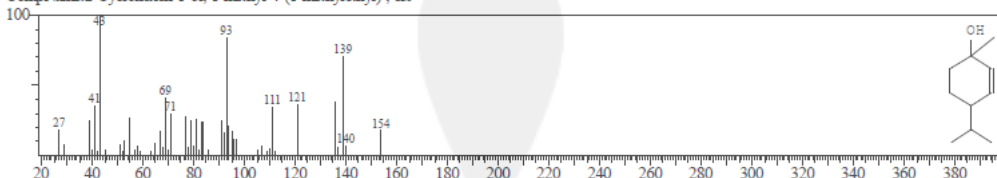
Hit#:3 Entry:31696 Library:WILEY229.LIB
 SI:86 Formula:C10H18O CAS:586-82-3 MolWeight:154 RetIndex:0
 CompName:1-TERPINEOL \$\$ TERPENE-1-OL \$\$



Hit#:4 Entry:31468 Library:WILEY229.LIB
 SI:85 Formula:C10H18O CAS:546-79-2 MolWeight:154 RetIndex:0
 CompName:CIS-SABINENEHYDRATE \$\$ Bicyclo[3.1.0]hexan-2-ol, 2-methyl-5-(1-methylethyl)- \$\$

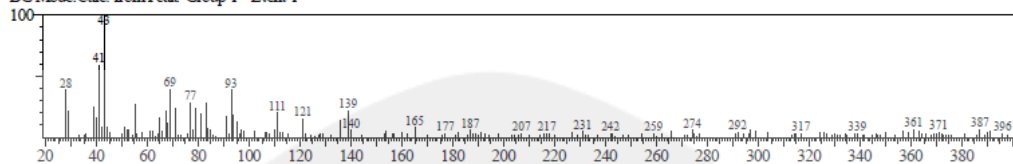


Hit#:5 Entry:4859 Library:NIST12.LIB
 SI:84 Formula:C10H18O CAS:29803-82-5 MolWeight:154 RetIndex:0
 CompName:2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, cis-

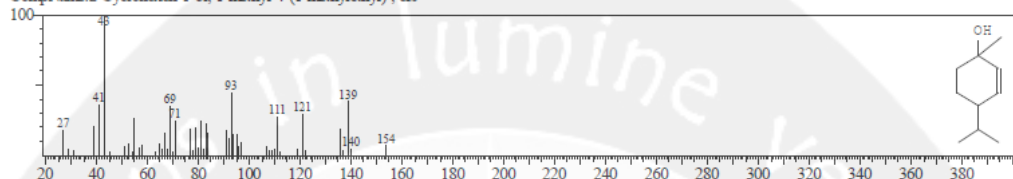


<<Target >>

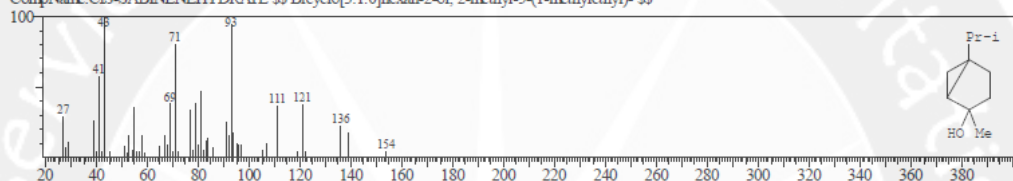
Line#:15 R.Time:18.908(Scan#:1886) MassPeaks:177
 RawMode:Averaged 18.900-18.917(1885-1887) BasePeak:43.05(1300)
 BGMode:Calc. from Peak Group 1 - Event 1



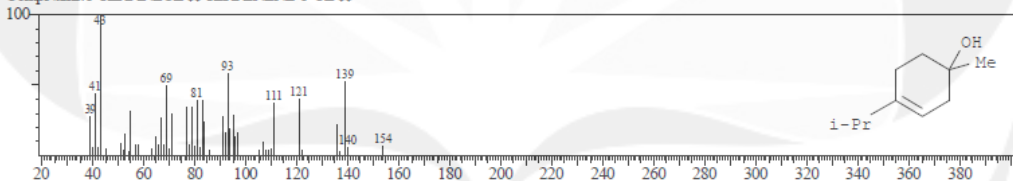
Hit#:1 Entry:10896 Library:NIST62.LIB
 SE:78 Formula:C10H18O CAS:29803-82-5 MolWeight:154 RetIndex:0
 CompName:2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, cis-



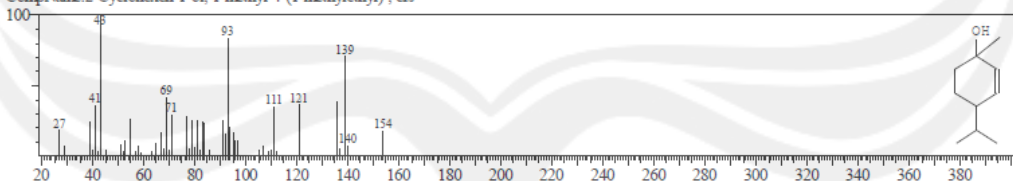
Hit#:2 Entry:31468 Library:WILEY229.LIB
 SE:77 Formula:C10H18O CAS:546-79-2 MolWeight:154 RetIndex:0
 CompName:CIS-SABINENEHYDRATE \$\$ Bicyclo[3.1.0]hexan-2-ol, 2-methyl-5-(1-methylethyl)- \$\$



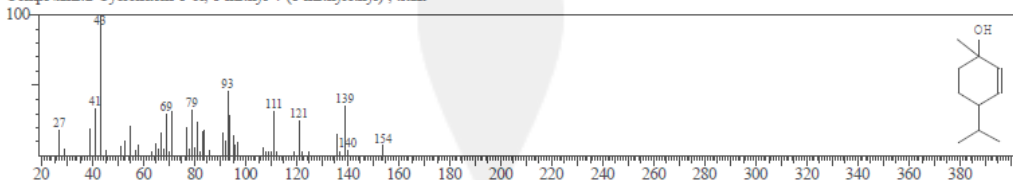
Hit#:3 Entry:31696 Library:WILEY229.LIB
 SE:77 Formula:C10H18O CAS:586-82-3 MolWeight:154 RetIndex:0
 CompName:1-TERPINEOL \$\$ TERPENENE-1-OL \$\$



Hit#:4 Entry:4859 Library:NIST12.LIB
 SE:77 Formula:C10H18O CAS:29803-82-5 MolWeight:154 RetIndex:0
 CompName:2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, cis-

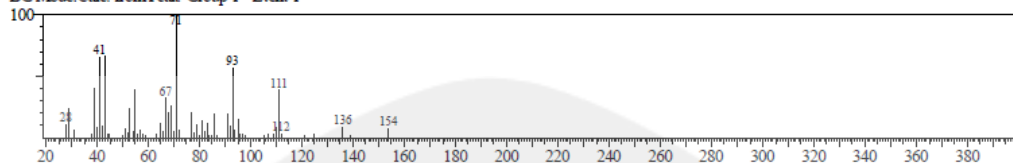


Hit#:5 Entry:10889 Library:NIST62.LIB
 SE:77 Formula:C10H18O CAS:29803-81-4 MolWeight:154 RetIndex:0
 CompName:2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, trans-

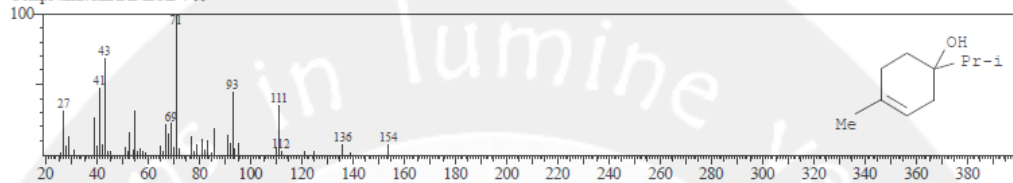


<<Target >>

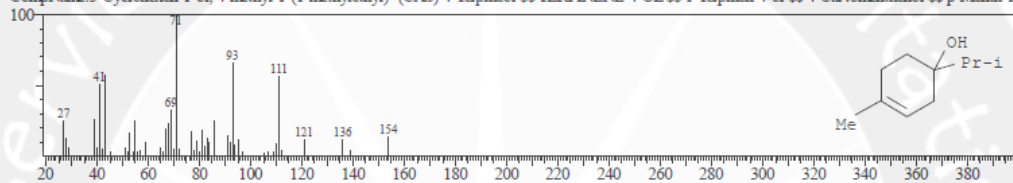
Line#:16 R.Time:20.217(Scan#:2043) MassPeaks:60
 RawMode:Averaged 20.208-20.225(2042-2044) BasePeak:71.00(47993)
 BGMode:Calc. from Peak Group 1 - Event 1



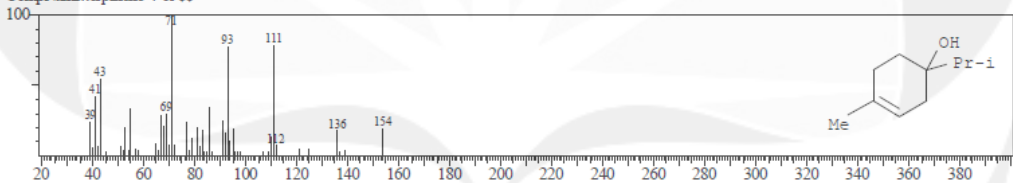
Hit#:1 Entry:31715 Library:WILEY229.LIB
 SI:93 Formula:C10H18O CAS:562-74-3 MolWeight:154 RetIndex:0
 CompName:TERPINEOL-4 \$\$\$



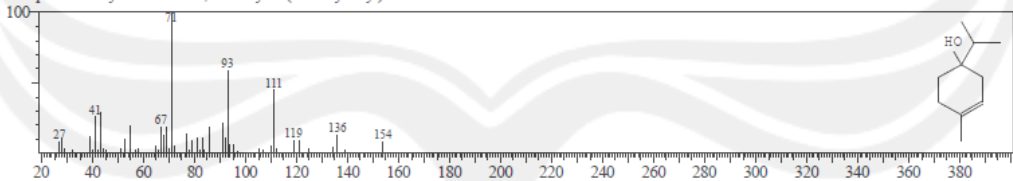
Hit#:2 Entry:31330 Library:WILEY229.LIB
 SI:90 Formula:C10H18O CAS:562-74-3 MolWeight:154 RetIndex:0
 CompName:3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)- (CAS) 4-Terpineol \$\$\$ TERPINENE-4-OL \$\$\$ 1-Terpinen-4-ol \$\$\$ 4-Carvomenthenol \$\$\$ p-Menth-1-er



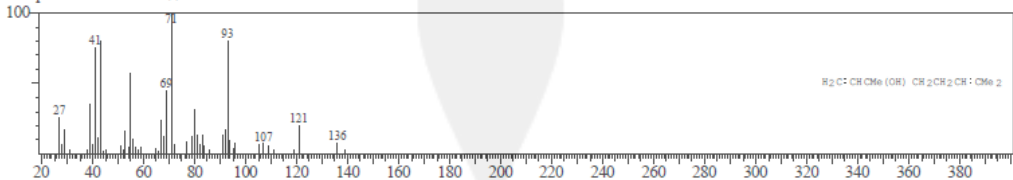
Hit#:3 Entry:31603 Library:WILEY229.LIB
 SI:89 Formula:C10H18O CAS:562-74-3 MolWeight:154 RetIndex:0
 CompName:terpinene-4-ol \$\$\$



Hit#:4 Entry:4870 Library:NIST12.LIB
 SI:86 Formula:C10H18O CAS:562-74-3 MolWeight:154 RetIndex:0
 CompName:3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-

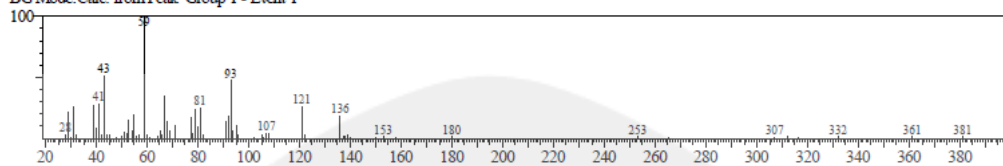


Hit#:5 Entry:31713 Library:WILEY229.LIB
 SI:85 Formula:C10H18O CAS:78-70-6 MolWeight:154 RetIndex:0
 CompName:LINALOOL \$\$\$

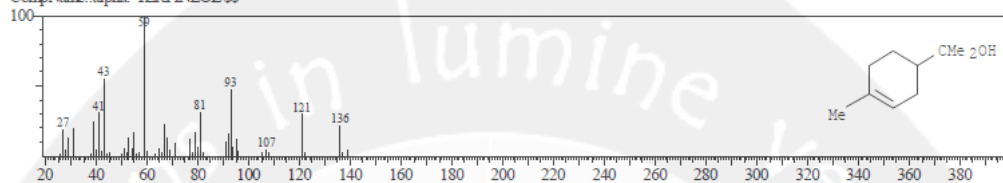


<<Target>>

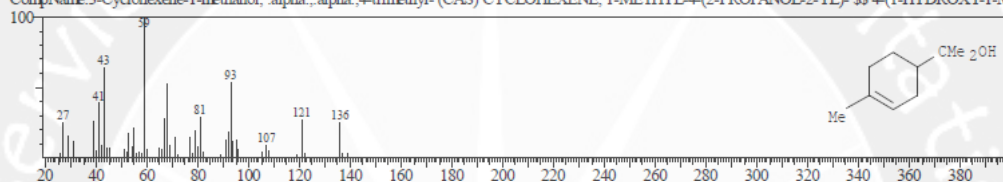
Line#:17 R.Time:20.608(Scan#:2090) MassPeaks:67
 RawMode:Averaged 20.600-20.617(2089-2091) BasePeak:59.00(4779)
 BGMode:Calc. from Peak Group 1 - Event 1



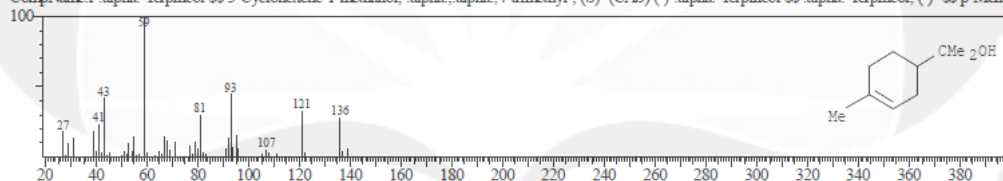
Hit# 1 Entry:31714 Library:WILEY229 LIB
 SI:95 Formula:C10 H18 O CAS:98-55-5 MolWeight:154 RetIndex:0
 CompName:alpha.-TERPINEOL \$\$



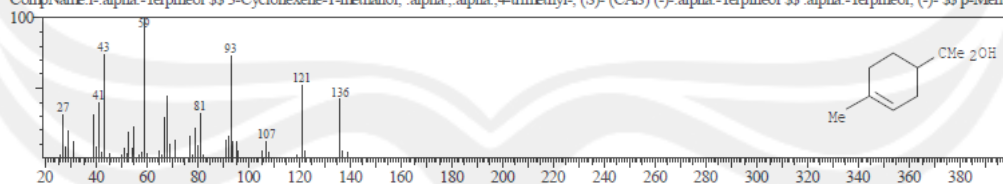
Hit# 2 Entry:31343 Library:WILEY229 LIB
 SI:92 Formula:C10 H18 O CAS:98-55-5 MolWeight:154 RetIndex:0
 CompName:3-Cyclohexene-1-methanol, alpha.,alpha.,4-trimethyl- (CAS) CYCLOHEXENE, 1-METHYL-4-(2-PROPANOL-2-YL)- \$\$ 4-(1-HYDROXY-1-ME-



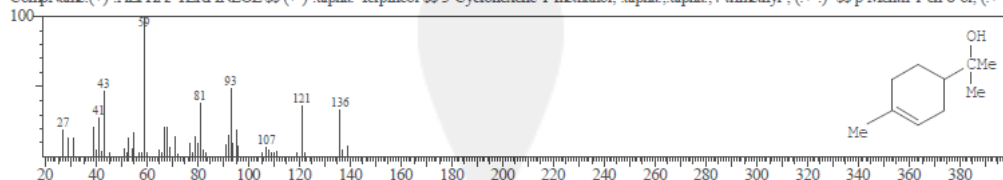
Hit# 3 Entry:31354 Library:WILEY229 LIB
 SI:91 Formula:C10 H18 O CAS:10482-56-1 MolWeight:154 RetIndex:0
 CompName:1- alpha.-Terpineol \$\$ 3-Cyclohexene-1-methanol, alpha.,alpha.,4-trimethyl-, (S)- (CAS) (-)-alpha.-Terpineol \$\$ alpha.-Terpineol, (-)- \$\$ p-Menth-1



Hit# 4 Entry:31358 Library:WILEY229 LIB
 SI:91 Formula:C10 H18 O CAS:10482-56-1 MolWeight:154 RetIndex:0
 CompName:1- alpha.-Terpineol \$\$ 3-Cyclohexene-1-methanol, alpha.,alpha.,4-trimethyl-, (S)- (CAS) (-)-alpha.-Terpineol \$\$ alpha.-Terpineol, (-)- \$\$ p-Menth-1



Hit# 5 Entry:31352 Library:WILEY229 LIB
 SI:91 Formula:C10 H18 O CAS:2438-12-2 MolWeight:154 RetIndex:0
 CompName:(+)-ALPHA.-TERPINEOL \$\$ (+)-alpha.-Terpineol \$\$ 3-Cyclohexene-1-methanol, alpha.,alpha.,4-trimethyl-, (+)- \$\$ p-Menth-1-en-8-ol, (+)-!

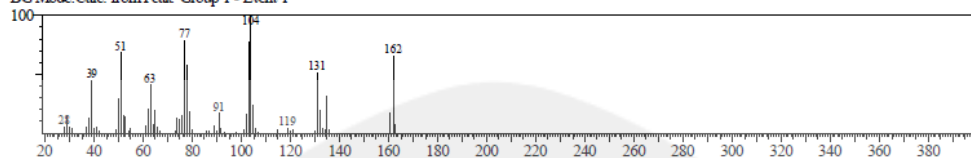


<< Target >>

Line#:18 R.Time:23.758(Scan#:2468) MassPeaks:61

RawMode:Averaged 23.750-23.767(2467-2469) BasePeak:104.00(78589)

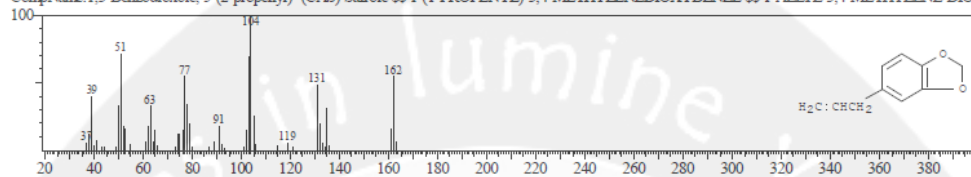
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:36864 Library:WILEY229.LIB

SI:95 Formula:C10H10O2 CAS:94-59-7 MolWeight:162 RefIndex:0

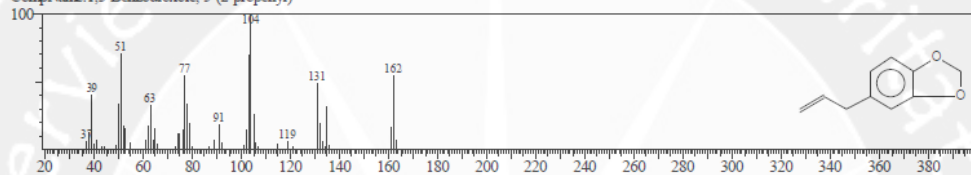
CompName:1,3-Benzodioxole, 5-(2-propenyl)- (CAS) Safrole \$S 1-(1-PROPENYL)-3,4-METHYLENEDIOXYBENZE \$S 1-ALLYL-3,4-METHYLENE-DIOXY



Hit#:2 Entry:5437 Library:NIST12.LIB

SI:95 Formula:C10H10O2 CAS:94-59-7 MolWeight:162 RefIndex:0

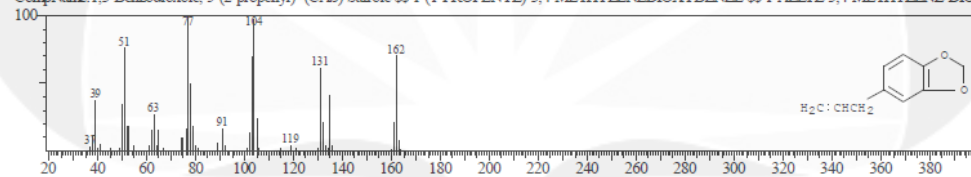
CompName:1,3-Benzodioxole, 5-(2-propenyl)-



Hit#:3 Entry:36865 Library:WILEY229.LIB

SI:94 Formula:C10H10O2 CAS:94-59-7 MolWeight:162 RefIndex:0

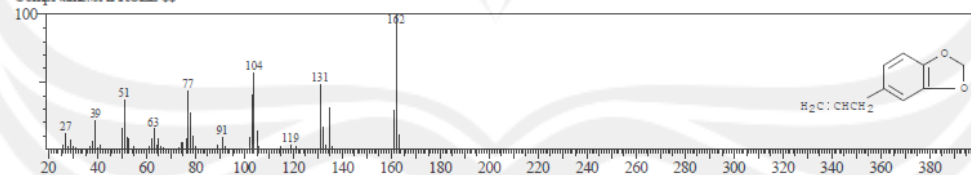
CompName:1,3-Benzodioxole, 5-(2-propenyl)- (CAS) Safrole \$S 1-(1-PROPENYL)-3,4-METHYLENEDIOXYBENZE \$S 1-ALLYL-3,4-METHYLENE-DIOXY



Hit#:4 Entry:36927 Library:WILEY229.LIB

SI:86 Formula:C10H10O2 CAS:94-59-7 MolWeight:162 RefIndex:0

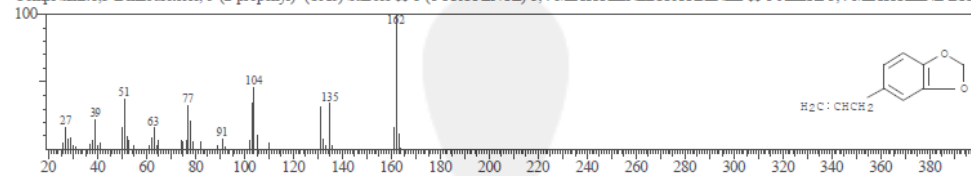
CompName:SAFROLE \$S



Hit#:5 Entry:36861 Library:WILEY229.LIB

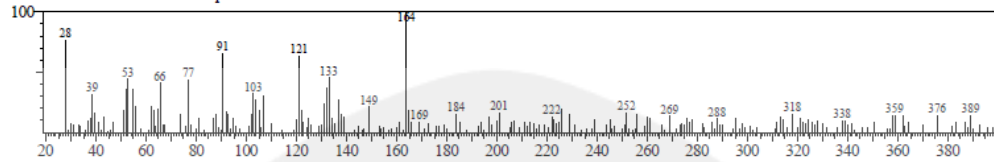
SI:82 Formula:C10H10O2 CAS:94-59-7 MolWeight:162 RefIndex:0

CompName:1,3-Benzodioxole, 5-(2-propenyl)- (CAS) Safrole \$S 1-(1-PROPENYL)-3,4-METHYLENEDIOXYBENZE \$S 1-ALLYL-3,4-METHYLENE-DIOXY

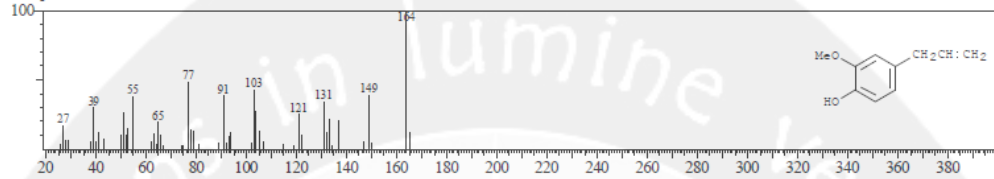


<< Target >>

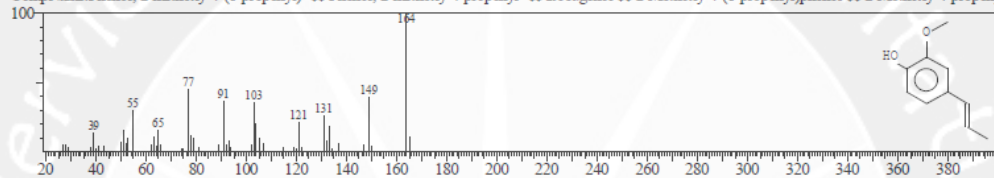
Line#:19 R.Time:25.667(Scan#:2697) MassPeaks:215
 RawMode:Averaged 25.658-25.675(2696-2698) BasePeak:163.90(435)
 BGMode:Calc. from Peak Group 1 - Event 1



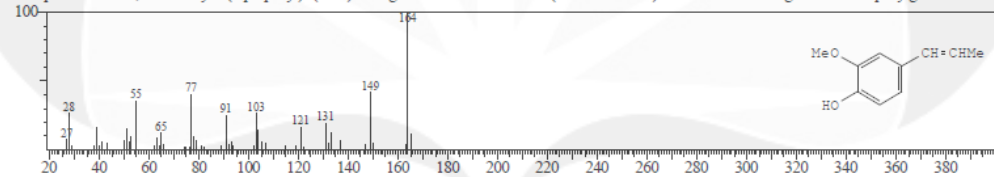
Hit#:1 Entry:38291 Library:WILEY229.LIB
 SI:68 Formula:C10H12O2 CAS:97-53-0 MolWeight:164 RetIndex:0
 CompName:EUGENOL \$\$



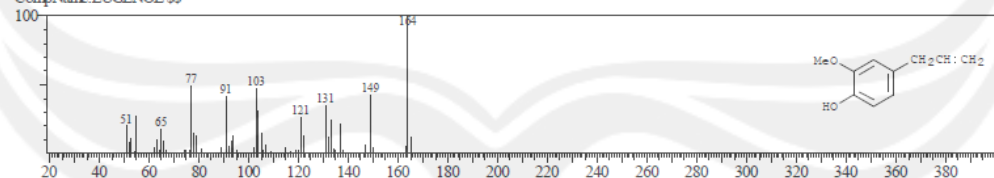
Hit#:2 Entry:13391 Library:NIST62.LIB
 SI:66 Formula:C10H12O2 CAS:97-54-1 MolWeight:164 RetIndex:0
 CompName:Phenol, 2-methoxy-4-(1-propenyl)- \$\$ Isoeugenol \$\$ 2-Methoxy-4-(1-propenyl)phenol \$\$ 2-Methoxy-4-propenyl-



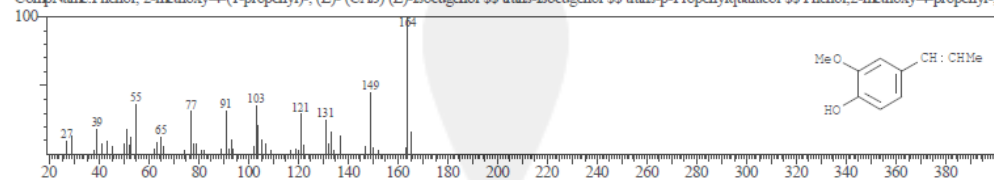
Hit#:3 Entry:38177 Library:WILEY229.LIB
 SI:64 Formula:C10H12O2 CAS:97-54-1 MolWeight:164 RetIndex:0
 CompName:Phenol, 2-methoxy-4-(1-propenyl)- (CAS) Isoeugenol \$\$ 2-METHOXY-4-(PROP-1-ENYL)-PHENOL \$\$ iso-Eugenol \$\$ 4-Propenylguaiaicol \$\$ 2-Me



Hit#:4 Entry:38285 Library:WILEY229.LIB
 SI:64 Formula:C10H12O2 CAS:97-53-0 MolWeight:164 RetIndex:0
 CompName:EUGENOL \$\$

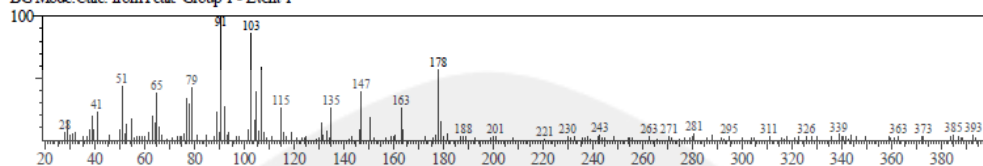


Hit#:5 Entry:38172 Library:WILEY229.LIB
 SI:63 Formula:C10H12O2 CAS:5932-68-3 MolWeight:164 RetIndex:0
 CompName:Phenol, 2-methoxy-4-(1-propenyl)-, (E)- (CAS) (E)-Isoeugenol \$\$ trans-Isoeugenol \$\$ trans-p-Propenylguaiaicol \$\$ Phenol, 2-methoxy-4-propenyl-, (E)

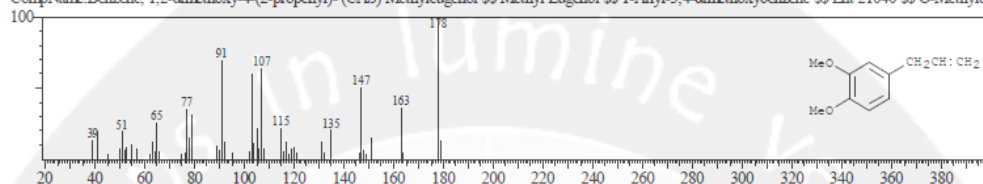


<<Target>>

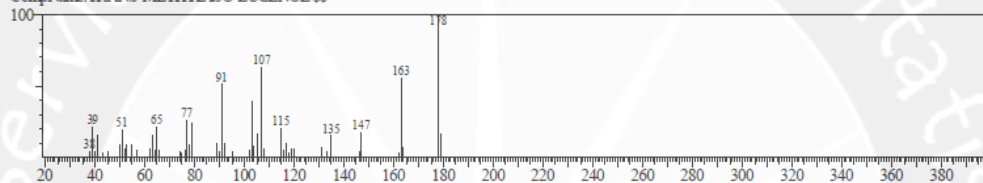
Line#:20 R.Time:26.925(Scan#:2848) MassPeaks:163
 RawMode:Averaged 26.917-26.933(2847-2849) BasePeak:90.85(1565)
 BGMode:Calc. from Peak Group 1 - Event 1



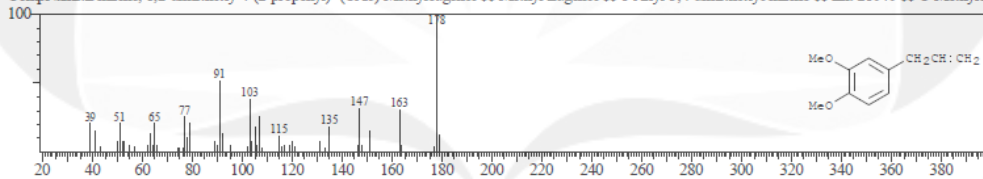
Hit#1 Entry:49029 Library:WILEY229.LIB
 SE:84 Formula:C11 H14 O2 CAS:93-15-2 MolWeight:178 RetIndex:0
 CompName:Benzenes, 1,2-dimethoxy-4-(2-propenyl)- (CAS) Methyl Eugenol \$Methyl Eugenol \$1-Allyl-3,4-dimethoxybenzene \$Ent 21040 \$O-Methyleuge



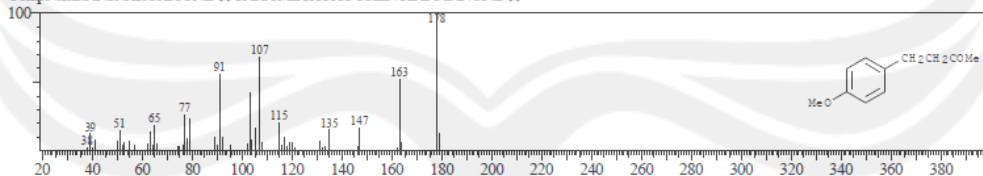
Hit#2 Entry:49116 Library:WILEY229.LIB
 SE:80 Formula:C11 H14 O2 CAS:6379-72-2 MolWeight:178 RetIndex:0
 CompName:TRANS-METHYL ISO-EUGENOL \$



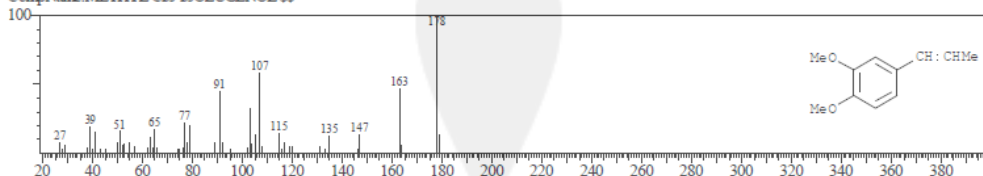
Hit#3 Entry:49024 Library:WILEY229.LIB
 SE:80 Formula:C11 H14 O2 CAS:93-15-2 MolWeight:178 RetIndex:0
 CompName:Benzenes, 1,2-dimethoxy-4-(2-propenyl)- (CAS) Methyl Eugenol \$Methyl Eugenol \$1-Allyl-3,4-dimethoxybenzene \$Ent 21040 \$O-Methyleuge



Hit#4 Entry:49123 Library:WILEY229.LIB
 SE:79 Formula:C11 H14 O2 CAS:104-20-1 MolWeight:178 RetIndex:0
 CompName:ANISYLACETONE \$PARA-METHOXY PHENYL BUTANONE \$

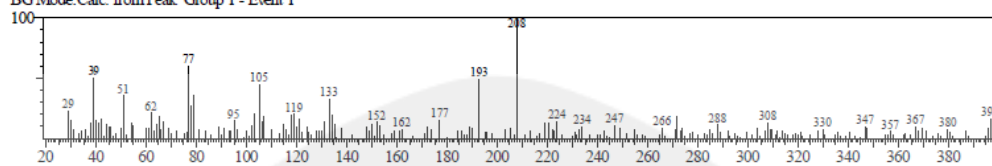


Hit#5 Entry:49126 Library:WILEY229.LIB
 SE:78 Formula:C11 H14 O2 CAS:93-16-3 MolWeight:178 RetIndex:0
 CompName:METHYL CIS-ISOEUGENOL \$

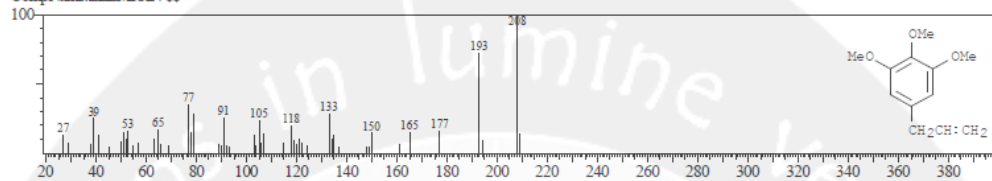


<< Target >>

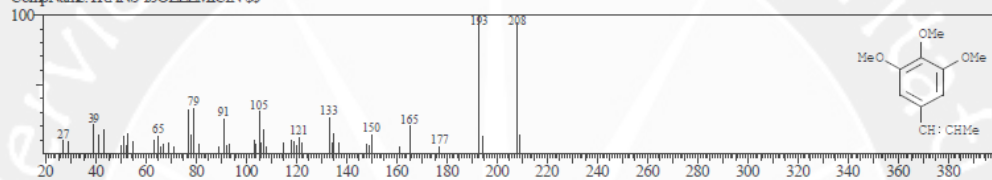
Line#:21 R.Time:30.975(Scan#:3334) MassPeaks:217
 RawMode:Averaged 30.967-30.983(3333-3335) BasePeak:207.95(534)
 BGMode:Calc. from Peak Group 1 - Event 1



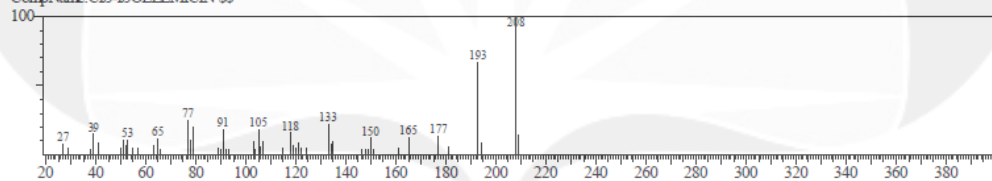
Hit#:1 Entry:74226 Library:WILEY229.LIB
 SI:63 Formula:C12 H16 O3 CAS:487-11-6 MolWeight:208 RefIndex:0
 CompName:ELEMICIN \$\$



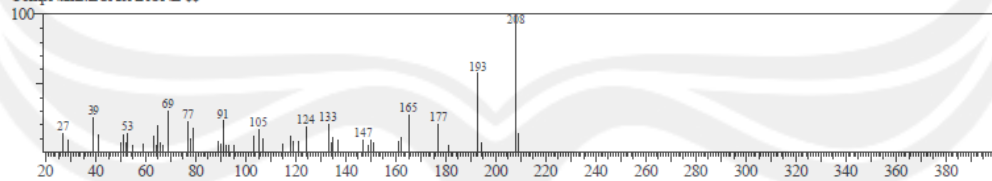
Hit#:2 Entry:74227 Library:WILEY229.LIB
 SI:61 Formula:C12 H16 O3 CAS:5273-85-8 MolWeight:208 RefIndex:0
 CompName:TRANS-ISOELEMICIN \$\$



Hit#:3 Entry:74229 Library:WILEY229.LIB
 SI:60 Formula:C12 H16 O3 CAS:5273-84-7 MolWeight:208 RefIndex:0
 CompName:CIS-ISOELEMICIN \$\$



Hit#:4 Entry:74230 Library:WILEY229.LIB
 SI:58 Formula:C12 H16 O3 CAS:5353-15-1 MolWeight:208 RefIndex:0
 CompName:EUASARONE \$\$



Hit#:5 Entry:74220 Library:WILEY229.LIB
 SI:56 Formula:C12 H16 O3 CAS:0-00-0 MolWeight:208 RefIndex:0
 CompName:1-(1 or 2-propenyl)-3,4,5-trimethoxybenzene \$\$

