

Lampiran 1. Surat Keterangan Determinasi Bawang Putih (*Allium sativum* L.)

91



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS DIPONEGORO
FAKULTAS SAINS DAN MATEMATIKA
LABORATORIUM EKOLOGI DAN BIOSISTEMATIK DEPARTEMEN BIOLOGI
Jl. Prof. H. Soedarto SH Tembalang Semarang, 024 7474754. 024 76480923

SURAT KETERANGAN

Yang bertanda tangan dibawah ini, menyatakan bahwa mahasiswa sbb :

Nama	: IMAM JUNEDI
NIM	: 125010868
Fakultas / Prodi	: FARMASI
Perguruan Tinggi	: UNIVERSITAS WAHID HASYIM SEMARANG
Judul Skripsi	: "Kromatografi Gas-Spektrometri Massa (GC-MS) Untuk Identifikasi Allisin Pada Bawang Putih (<i>Allium sativum</i> L.)"
Pembimbing	: -

Telah melakukan determinasi / identifikasi satu sampel tumbuhan (satu jenis) di Laboratorium Ekologi dan Biosistemik Departemen Biologi Fakultas Sains dan Matematika Universitas Diponegoro. Hasil determinasi / identifikasi terlampir.

Demikian Surat Keterangan ini dibuat untuk dapat digunakan seperlunya.

Semarang, April 2017
Laboratorium Ekologi Dan Biosistemik
Kepala,


Dr. Mochamad Hadi, M.Si.
 NIP. 196001081987031002

Lampiran 1.Lanjutan...



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
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HASIL DETERMINASI/IDENTIFIKASI

KLASIFIKASI:

Kingdom	: Plantae (tumbuhan)
Divisio	: Magnoliophyta (Tumbuhan berbunga)
Kelas	: Liliopsida (Tumbuhan berkeping satu)
Ordo	: Asparagales
Famili	: Alliaceae
Genus	: <i>Allium</i>
Spesies	: <i>Allium sativum</i> L. (Bawang putih)

HASIL DETERMINASI/IDENTIFIKASI:

1b, 2b, 3b, 4b, 12b, 13b, 14b, 17b, 18b, 19b, 20b, 21b, 22b, 23b, 24b, 25b, 26b, 27a, 28b, 29b, 30b, 31b, 403b, 404b, 405b, 414a, 415a, 416b, 417b, 418a, 419c, 420b, 421b, 422d, 426b, 428b, 429a, 430b, 431b, 432a, Famili. 218 Amaryllidaceae 1a, 2b, 3a, 4a,....
Genus : *Allium* 1a, 2a, 3a ... Spesies : *Allium sativum*, L. (Bawang Putih)

DESKRIPSI:

Bawang putih (*Allium sativum*; bahasa Inggris: *garlic*) adalah nama tanaman dari genus *Allium* sekaligus nama dari umbi yang dihasilkan. Mempunyai sejarah penggunaan oleh manusia selama lebih dari 7.000 tahun, terutama tumbuh di Asia Tengah, dan sudah lama menjadi bahan makanan di daerah sekitar Laut Tengah, serta bumbu umum di Asia, Afrika, dan Eropa. Dikenal di dalam catatan Mesir kuno, digunakan baik sebagai campuran masakan maupun pengobatan. Umbi dari tanaman bawang putih merupakan bahan utama untuk bumbu dasar masakan Indonesia. Bawang mentah penuh dengan senyawa-senyawa sulfur, termasuk zat kimia yang disebut alliin yang membuat bawang putih mentah terasa getir atau angur.

Bawang putih digunakan sebagai bumbu yang digunakan hampir di setiap makanan dan masakan Indonesia. Sebelum dipakai sebagai bumbu, bawang putih dihancurkan dengan ditekan dengan sisi pisau (dikeprek) sebelum dirajang halus dan ditumis di penggorengan dengan sedikit minyak goreng. Bawang putih bisa juga dihaluskan dengan berbagai jenis bahan bumbu yang lain. Bawang putih mempunyai khasiat sebagai antibiotik alami di dalam tubuh manusia.

Lampiran 1.Lanjutan...



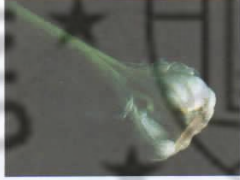
KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS DIPONEGORO
FAKULTAS SAINS DAN MATEMATIKA
LABORATORIUM EKOLOGI DAN BIOSISTEMATI DEPARTEMEN BIOLOGI
Jl. Prof. H. Soedarto SH Tembalang Semarang, 024 7474754, 024 76480923

PUSTAKA :

Backer and van den Brink (1968) *Flora of Java*, Vol. I – III, Wolters – Noordhoff NV – Groningen – The Netherlands.

Van Steenis, C.G.G.J. (1985) *Flora untuk sekolah di Indonesia*, terjemahan Moesa Suryowinoto, dkk) PT. Pradnya Paramita Jakarta Pusat.




Lampiran 2. Surat keterangan Selesai Melakukan Penelitian di Universitas Wahid Hasyim Semarang



UNIVERSITAS WAHID HASYIM
FAKULTAS FARMASI
BAGIAN BIOLOGI FARMASI
Jl. Menoreh Tengah X / 22 Sampangan – Semarang 50236 Telp. (024) 8505680 – 8505681 fax. (024) 8505680

SURAT KETERANGAN
No.120/Lab. Biologi Farmasi/C.05/UWH/VII/2018

Assalamu'alaikum Wr. Wb.

Yang bertandatangan di bawah ini, Kepala Bagian Biologi Farmasi Universitas Wahid Hasyim Semarang menerangkan bahwa:

Nama : Imam Junedi
NIM : 125010868
Fakultas : Farmasi

Telah melakukan pembuatan ekstrak bawang putih dalam rangka penelitian dengan judul:
"Identifikasi Senyawa Alisin Pada Bawang Putih (*Allium sativum* L.) Secara Kromatografi Gas-Spektrometri massa (GC-MS)"

Demikian surat keterangan ini dibuat untuk dipergunakan semestinya.
Wassalamu'alaikum Wr. Wb.

Semarang, Juli 2018
Ka.Bag Biologi Farmasi

Dewi Andini K.M., M.Farm., Apt.

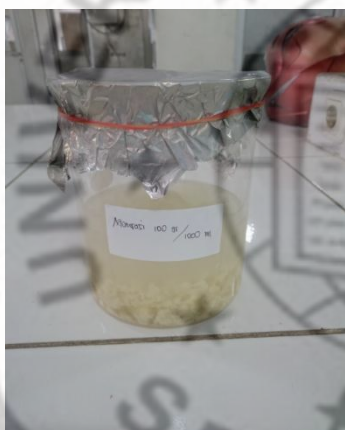
Lampiran 3. Gambar seperangkat alat penelitian



Timbangan Analitik



Blender Maspion



Beaker Glass



Erlenmeyer dan corong



Mortir dan stemper



Tabung Sentrifus

Lampiran 3.Lanjutan...

**Batang pengaduk****Kertas Saring****Termos Es****Alat GC-MS**

Lampiran 4. Metode pengaturan alat GC-MS

C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Faizal Bawang Putih u1.QGD

10/20/2017



Lab Kimia Organik FMIPA - UGM

GCMS-QP2010S SHIMADZU

Kolom : Rxi-5Sil MS

Panjang : 30 meter

ID : 0,25 mm

Film : 0,25 um

Gas pembawa : Helium

Pengionan : EI

70 Ev

Method

[Comment]

==== Analytical Line 1 =====

[GC-2010]

Column Oven Temp. : 70.0 °C
 Injection Temp. : 300.00 °C
 Injection Mode : Splitless
 Sampling Time : 1.00 min
 Flow Control Mode : Pressure
 Pressure : 12.0 kPa
 Total Flow : 27.3 mL/min
 Column Flow : 0.49 mL/min
 Linear Velocity : 25.5 cm/sec
 Purge Flow : 3.0 mL/min
 Split Ratio : 49.0
 High Pressure Injection : OFF
 Carrier Gas Saver : OFF
 Oven Temp. Program

Rate	Temperature(°C)	Hold Time(min)
-	70.0	5.00
5.00	300.0	19.00

< Ready Check Heat Unit >

Column Oven : Yes
 SPL1 : Yes
 MS : Yes

< Ready Check Detector(FTD) >

< Ready Check Baseline Drift >

< Ready Check Injection Flow >

SPL1 Carrier : Yes
 SPL1 Purge : Yes

< Ready Check APC Flow >

< Ready Check Detector APC Flow >

External Wait : No
 Equilibrium Time : 3.0 min

[GC Program]

[GCMS-QP2010]

IonSource Temp : 250.00 °C
 Interface Temp. : 305.00 °C
 Solvent Cut Time : 3.00 min
 Detector Gain Mode : Relative
 Detector Gain : +0.00 kV
 Threshold : 0

[MS Table]

--Group 1 - Event 1--

Start Time : 3.20min
 End Time : 70.00min
 ACQ Mode : Scan
 Event Time : 0.50sec
 Scan Speed : 1250
 Start m/z : 28.00
 End m/z : 600.00

Sample Inlet Unit : GC

[MS Program]

Use MS Program : OFF

Lampiran 5. Hasil Kromatografi Gas Standar Allisin

C:\GCMSSolution\Data\Project1\hp5 14 juni 2017\Faisal Bawang Pembanding.qgd

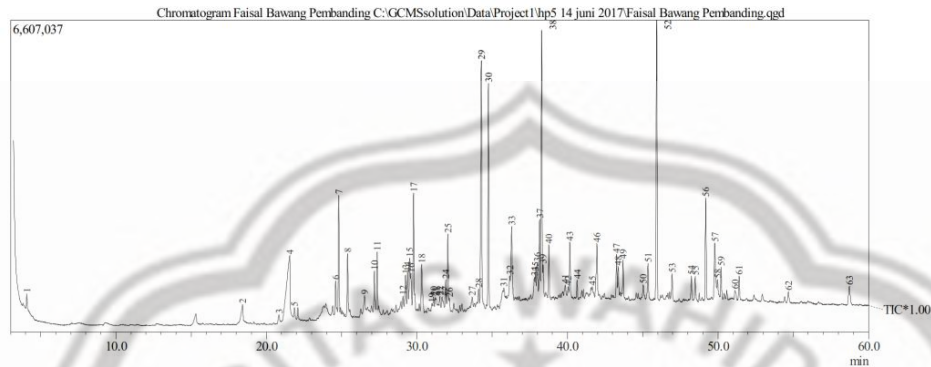
10/20/2017



Lab. Kimia Organik FMIPA - UGM

Sample Information

Analyzed by : Adrin
 Sample Name : Faisal Bawang Pembanding
 Sample ID :
 Data File : C:\GCMSSolution\Data\Project1\hp5 14 juni 2017\Faisal Bawang Pembanding.qgd
 Method File : C:\GCMSSolution\Data\Project1\hp5 14 juni 2017\Organik baru spl06 2017.qgm
 Tuning File : C:\GCMSSolution\System\Tune\oktobe 6 2017b.qgt



Peak#	R.Time	LTime	F.Time	Area	Area%	Height
1	4.077	4.000	4.233	1273946	0.40	341478
2	18.418	18.258	18.508	2125526	0.67	326341
3	20.832	20.708	20.942	1044711	0.33	172329
4	21.548	21.058	21.708	22056298	6.98	1363106
5	21.859	21.708	21.983	1500822	0.48	249806
6	24.597	24.492	24.658	2826760	0.89	721439
7	24.805	24.717	24.883	9447381	2.99	2527852
8	25.392	25.283	25.500	5661411	1.79	1339139
9	26.522	26.333	26.600	1917520	0.61	324484
10	27.171	27.075	27.283	4018664	1.27	880021
11	27.357	27.283	27.417	4694589	1.49	1284993
12	29.070	28.992	29.142	1186565	0.38	272673
13	29.241	29.142	29.317	3762454	1.19	725241
14	29.377	29.317	29.450	3728726	1.18	790031
15	29.521	29.450	29.567	5286360	1.67	1092232
16	29.600	29.567	29.675	3068936	0.97	770528
17	29.773	29.675	29.933	11504610	3.64	2481905
18	30.312	30.217	30.500	5843759	1.85	999794
19	30.983	30.925	31.050	1034235	0.33	185630
20	31.104	31.050	31.167	1596165	0.51	326813
21	31.234	31.167	31.358	2667601	0.84	308969
22	31.520	31.358	31.600	2652157	0.84	330078
23	31.669	31.600	31.725	1717672	0.54	318174
24	31.903	31.817	31.967	3132965	0.99	674013
25	32.054	31.967	32.125	7011776	2.22	1643671
26	32.150	32.125	32.258	1010926	0.32	285379
27	33.670	33.567	33.750	1189548	0.38	215368
28	34.093	34.033	34.167	1312824	0.42	323836
29	34.278	34.167	34.542	25727285	8.14	5194668
30	34.749	34.650	34.867	18924192	5.99	4727620
31	35.775	35.492	35.850	3096324	0.98	248225
32	36.167	36.058	36.208	2202488	0.70	455690
33	36.292	36.208	36.458	8632896	2.73	1532263
34	37.808	37.650	37.842	2439469	0.77	446425
35	37.878	37.842	37.925	2119391	0.67	544728
36	37.979	37.925	38.067	3957662	1.25	741137
37	38.149	38.067	38.208	7131906	2.26	1651467
38	38.284	38.208	38.350	23679329	7.50	5631908
39	38.380	38.350	38.492	2548823	0.81	684796
40	38.765	38.692	38.900	4578997	1.45	1136214
41	39.851	39.750	39.975	1862275	0.59	268111
42	40.042	39.975	40.092	1115475	0.35	236761
43	40.160	40.092	40.300	4731795	1.50	1177937
44	40.641	40.550	40.725	1551156	0.49	403497
45	41.642	41.600	41.817	1296971	0.41	199027
46	41.961	41.817	42.075	6395761	2.02	1127576
47	43.265	43.142	43.325	3874303	1.23	928455
48	43.377	43.325	43.458	2862236	0.91	671293
49	43.696	43.633	43.808	3035075	0.96	807598
50	45.026	44.942	45.192	1712729	0.54	288568
51	45.355	45.208	45.492	3556423	1.13	757886
52	45.920	45.808	46.033	27050227	8.56	5914223
53	46.952	46.850	47.067	2491695	0.79	563626
54	48.233	48.125	48.342	2199596	0.70	515030
55	48.492	48.342	48.658	2521579	0.80	524975
56	49.189	49.100	49.308	9333580	2.95	2160729
57	49.789	49.658	49.917	7527043	2.38	1199304
58	49.968	49.917	50.108	2506885	0.79	424216
59	50.207	50.108	50.325	2972495	0.94	688389

Lampiran 6. Hasil Spektrometri Massa Standar Allisin

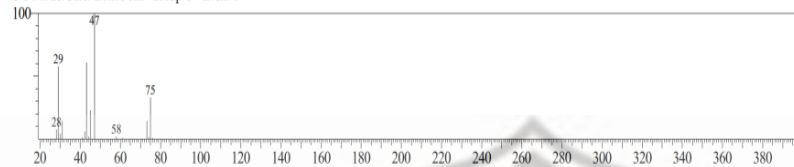
Library

<< Target >>

Line#: 1 R.Time: 4.075 (Scan#: 106) MassPeaks: 16

RawMode: Averaged 4.067-4.083 (105-107) BasePeak: 47.05 (95483)

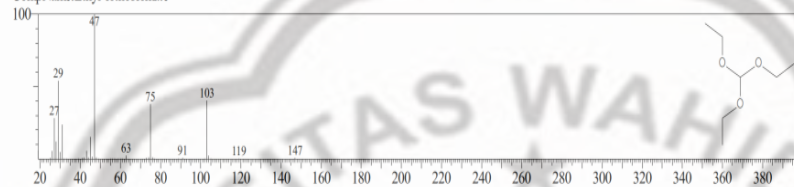
BG Mode: Calc. from Peak Group 1 - Event 1



Hit#: 1 Entry: 4314 Library: NIST12.LIB

Sl#: 87 Formula: C₇H₁₆O₃ CAS: 122-51-0 MolWeight: 148 RetIndex: 0

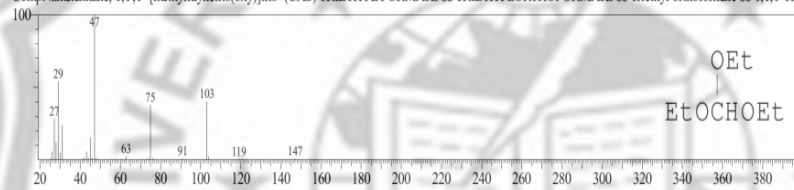
CompName: Ethyl orthoformate



Hit#: 2 Entry: 26190 Library: WILEY229.LIB

Sl#: 86 Formula: C₇H₁₆O₃ CAS: 122-51-0 MolWeight: 148 RetIndex: 0

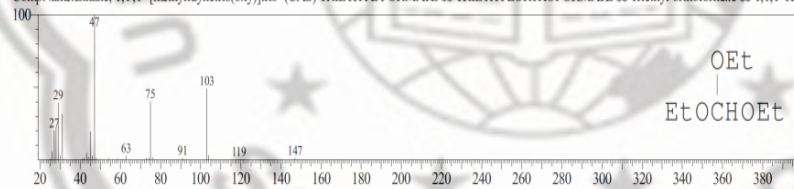
CompName: Ethane, 1,1,1'-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLOROTHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



Hit#: 3 Entry: 26191 Library: WILEY229.LIB

Sl#: 83 Formula: C₇H₁₆O₃ CAS: 122-51-0 MolWeight: 148 RetIndex: 0

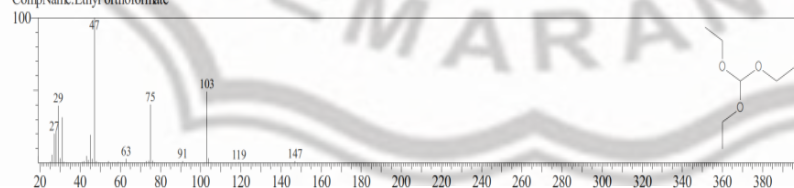
CompName: Ethane, 1,1,1'-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLOROTHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



Hit#: 4 Entry: 4313 Library: NIST12.LIB

Sl#: 83 Formula: C₇H₁₆O₃ CAS: 122-51-0 MolWeight: 148 RetIndex: 0

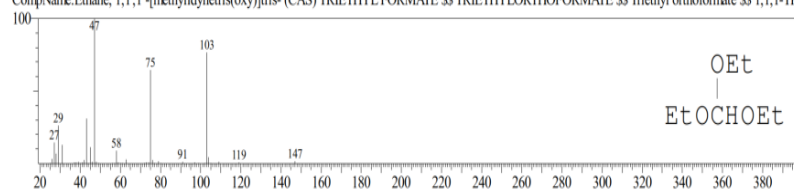
CompName: Ethyl orthoformate



Hit#: 5 Entry: 26187 Library: WILEY229.LIB

Sl#: 81 Formula: C₇H₁₆O₃ CAS: 122-51-0 MolWeight: 148 RetIndex: 0

CompName: Ethane, 1,1,1'-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLOROTHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



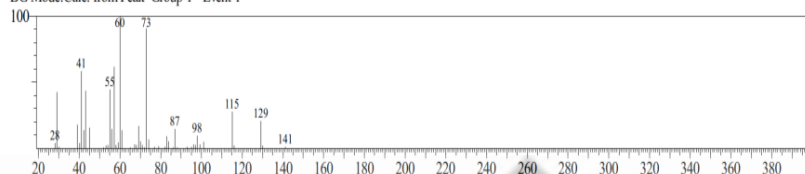
Lampiran 6. Lanjutan...

<< Target >>

Line#:2 R.Time:18.417(Scan#:1827) MassPeaks:48

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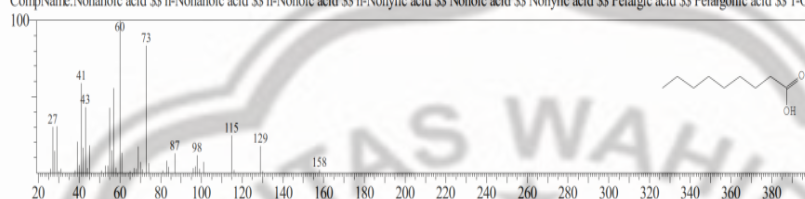
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:11977 Library:NIST62.LIB

SI:95 Formula:C9H18O2 CAS:112-05-0 MolWeight:158 RetIndex:0

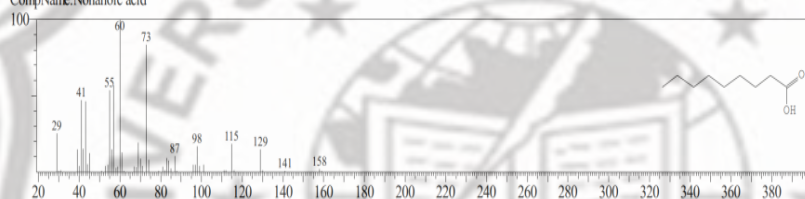
CompName:Nonanoic acid SS n-Nonanoic acid SS n-Nonoic acid SS n-Nonylic acid SS Nonoic acid SS Nonylic acid SS Pelargic acid SS Pelargonic acid SS 1-Octanecarboxylic acid SS Cirsol 185a SS Emfac 12



Hit#:2 Entry:5199 Library:NIST12.LIB

SI:94 Formula:C9H18O2 CAS:112-05-0 MolWeight:158 RetIndex:0

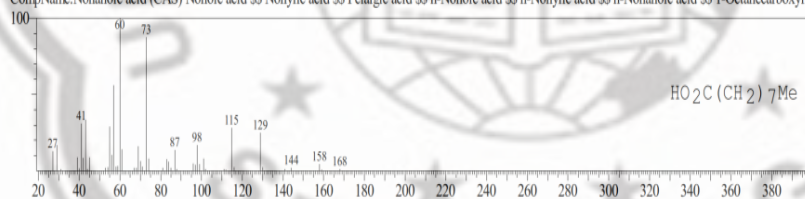
CompName:Nonanoic acid



Hit#:3 Entry:34260 Library:WILEY229.LIB

SI:92 Formula:C9 H18 O2 CAS:112-05-0 MolWeight:158 RetIndex:0

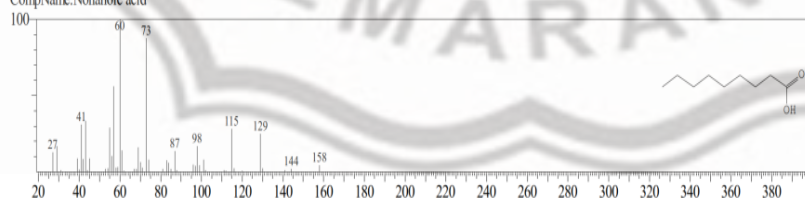
CompName:Nonanoic acid (CAS) Nonoic acid SS Nonylic acid SS Pelargic acid SS n-Nonoic acid SS n-Nonylic acid SS n-Nonanoic acid SS 1-Octanecarboxylic acid SS Pelargonic acid SS Pergonic acid SS



Hit#:4 Entry:5198 Library:NIST12.LIB

SI:92 Formula:C9H18O2 CAS:112-05-0 MolWeight:158 RetIndex:0

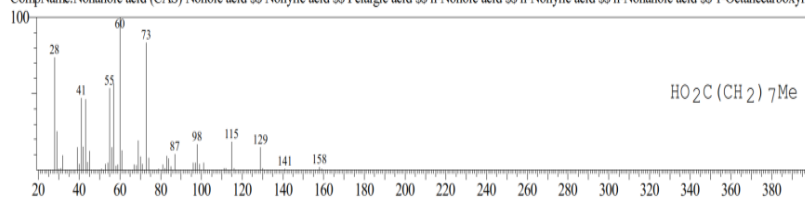
CompName:Nonanoic acid



Hit#:5 Entry:34259 Library:WILEY229.LIB

SI:91 Formula:C9 H18 O2 CAS:112-05-0 MolWeight:158 RetIndex:0

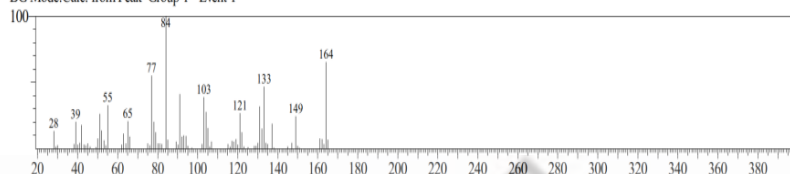
CompName:Nonanoic acid (CAS) Nonoic acid SS Nonylic acid SS Pelargic acid SS n-Nonoic acid SS n-Nonylic acid SS n-Nonanoic acid SS 1-Octanecarboxylic acid SS Pelargonic acid SS Pergonic acid SS



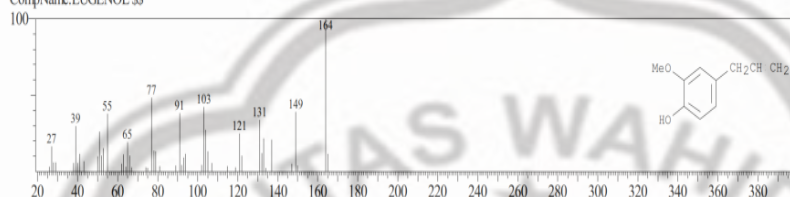
Lampiran 6. Lanjutan...

<< Target >>

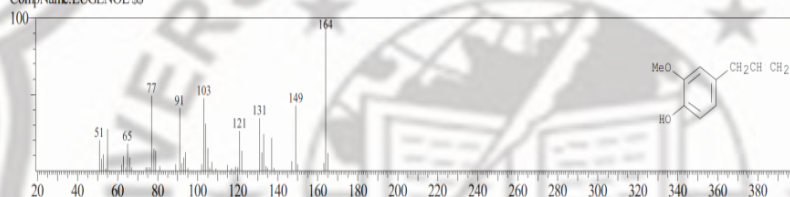
Line#:3 R.Time:20.833(Scan#:2117) MassPeaks:78
RawMode:Averaged 20.825-20.842(2116-2118) BasePeak:84.10(17267)
BG Mode:Calc. from Peak Group 1 - Event 1



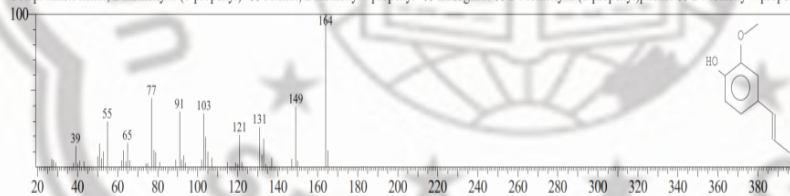
Hit#:1 Entry:38291 Library:WILEY229.LIB
SI:81 Formula:C10H12O2 CAS:97-53-0 MolWeight:164 RetIndex:0
CompName:EUGENOL SS



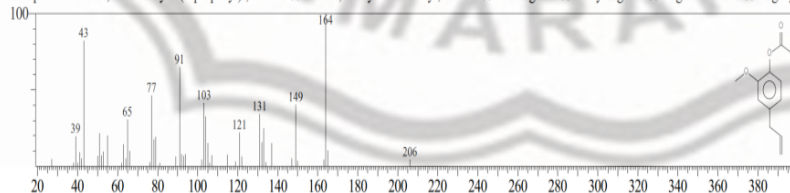
Hit#:2 Entry:38285 Library:WILEY229.LIB
SI:79 Formula:C10H12O2 CAS:97-53-0 MolWeight:164 RetIndex:0
CompName:EUGENOL SS



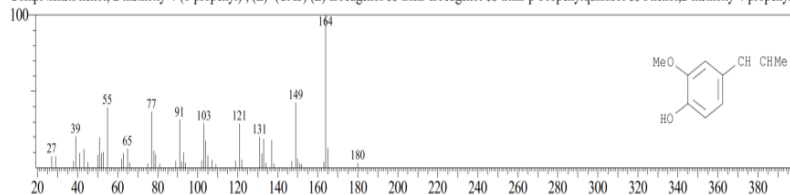
Hit#:3 Entry:13391 Library:NIST62.LIB
SI:78 Formula:C10H12O2 CAS:97-54-1 MolWeight:164 RetIndex:0
CompName:Phenol, 2-methoxy-4-(1-propenyl)- SS Phenol, 2-methoxy-4-propenyl- SS Isoeugenol SS 2-Methoxy-4-(1-propenyl)phenol SS 2-Methoxy-4-propenylphenol SS 4-Hydroxy-3-methoxypropenylbenzene



Hit#:4 Entry:24316 Library:NIST62.LIB
SI:77 Formula:C12H14O3 CAS:93-28-7 MolWeight:206 RetIndex:0
CompName:Phenol, 2-methoxy-4-(2-propenyl)-, acetate SS Phenol, 4-allyl-2-methoxy-, acetate SS Acetoeugenol SS Acetyeugenol SS Eugenol acetate SS Eugenyl acetate SS 1,3,4-Eugenol acetate SS Aceto eugenol



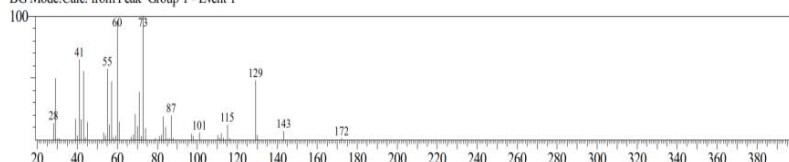
Hit#:5 Entry:38173 Library:WILEY229.LIB
SI:76 Formula:C10H12O2 CAS:5932-68-3 MolWeight:164 RetIndex:0
CompName:Phenol, 2-methoxy-4-(1-propenyl)-, (E)- (CAS) (E)-Isoeugenol SS trans-Isoeugenol SS trans-p-Propenylquaiacal SS Phenol,2-methoxy-4-propenyl-, (E)- SS Phenol, 2-methoxy-4-propenyl-, (E)- SS



Lampiran 6. Lanjutan...

<< Target >>

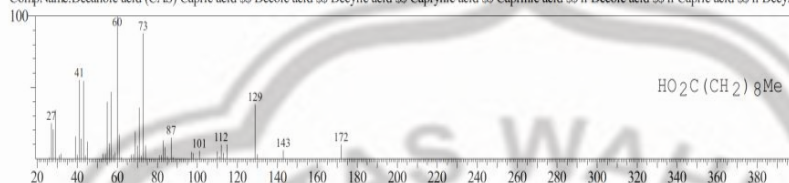
Line#:4 R.Time:21.550(Scan#:2203) MassPeaks:50
RawMode:Averaged 21.542-21.558(2202-2204) BasePeak:73.00(149767)
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:44987 Library:WILEY229.LIB

SI:95 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

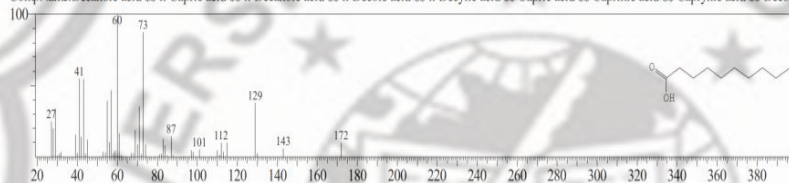
CompName:Decanoic acid (CAS) Capric acid SS Decoic acid SS Decylic acid SS Caprylic acid SS Caprinic acid SS n-Decoic acid SS n-Capric acid SS n-Decylic acid SS n-Decanoic acid SS 1-Nonanecarboxylic acid



Hit#:2 Entry:15788 Library:NIST62.LIB

SI:95 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

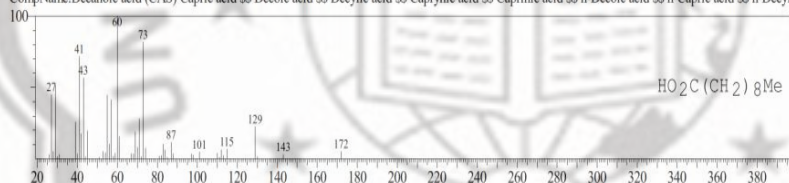
CompName:Decanoic acid SS n-Capric acid SS n-Decanoic acid SS n-Decoic acid SS n-Decylic acid SS Capric acid SS Caprinic acid SS Caprylic acid SS Decoic acid SS Decylic acid SS 1-Nonanecarboxylic acid



Hit#:3 Entry:44985 Library:WILEY229.LIB

SI:94 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

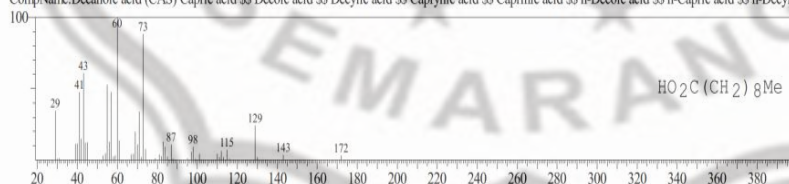
CompName:Decanoic acid (CAS) Capric acid SS Decoic acid SS Decylic acid SS Caprylic acid SS Caprinic acid SS n-Decoic acid SS n-Capric acid SS n-Decylic acid SS n-Decanoic acid SS 1-Nonanecarboxylic acid



Hit#:4 Entry:44988 Library:WILEY229.LIB

SI:94 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

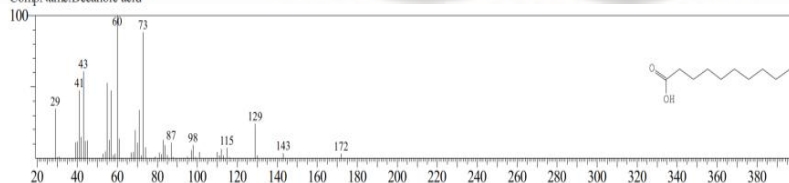
CompName:Decanoic acid (CAS) Capric acid SS Decoic acid SS Decylic acid SS Caprylic acid SS Caprinic acid SS n-Decoic acid SS n-Capric acid SS n-Decylic acid SS n-Decanoic acid SS 1-Nonanecarboxylic acid



Hit#:5 Entry:6121 Library:NIST12.LIB

SI:94 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

CompName:Decanoic acid



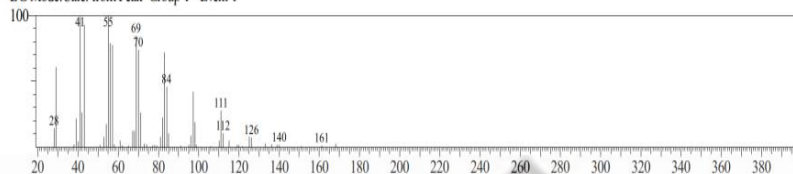
Lampiran 6. Lanjutan...

<< Target >>

Line#:5 R.Time:21.858(Scan#:2240) MassPeaks:56

RawMode:Averaged 21.850-21.867(2239-2241) BasePeak:55.10(17446)

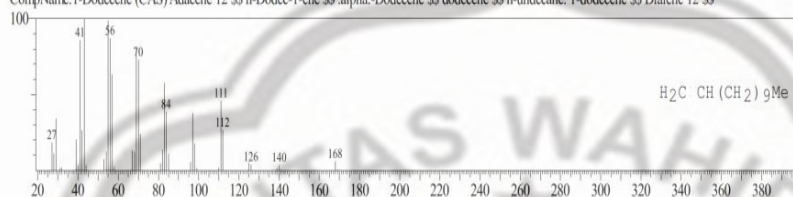
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:42187 Library:WILEY229.LIB

SI:94 Formula:C12H24 CAS:112-41-4 MolWeight:168 RetIndex:0

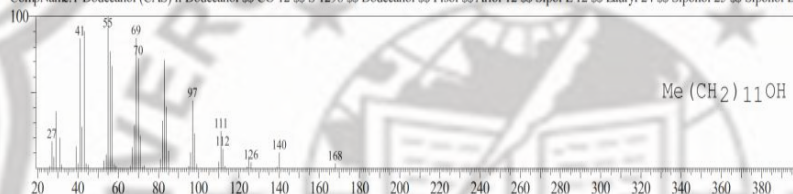
CompName:1-Dodecene (CAS) Adacene 12 SS n-Dodec-1-ene SS alpha-Dodecene SS dodecene SS n-undecane, 1-dodecene SS Dialene 12 SS



Hit#:2 Entry:56160 Library:WILEY229.LIB

SI:94 Formula:C12H26O CAS:112-53-8 MolWeight:186 RetIndex:0

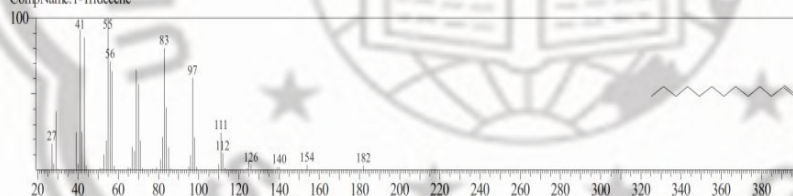
CompName:1-Dodecanol (CAS) n-Dodecanol SS CO 12 SS S 1298 SS Dodecanol SS Pisol SS Alfol 12 SS Sipol L 12 SS Lauryl 24 SS Siponol 25 SS Siponol L 2 SS Siponol L 5 SS Dodecanol-1 SS Karukoni 20 S



Hit#:3 Entry:6635 Library:NIST12.LIB

SI:94 Formula:C13H26 CAS:2437-56-1 MolWeight:182 RetIndex:0

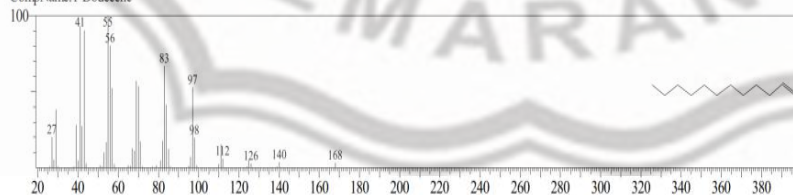
CompName:1-Tridecene



Hit#:4 Entry:5878 Library:NIST12.LIB

SI:93 Formula:C12H24 CAS:112-41-4 MolWeight:168 RetIndex:0

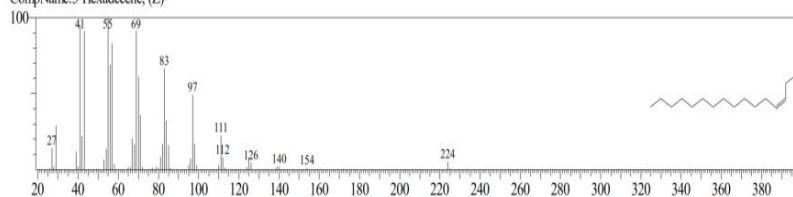
CompName:1-Dodecene



Hit#:5 Entry:28772 Library:NIST62.LIB

SI:93 Formula:C16H32 CAS:34303-81-6 MolWeight:224 RetIndex:0

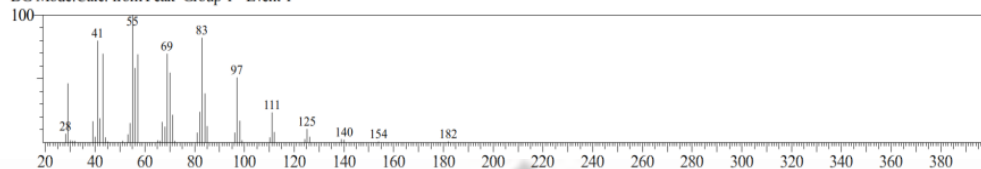
CompName:3-Hexadecene, (Z)-



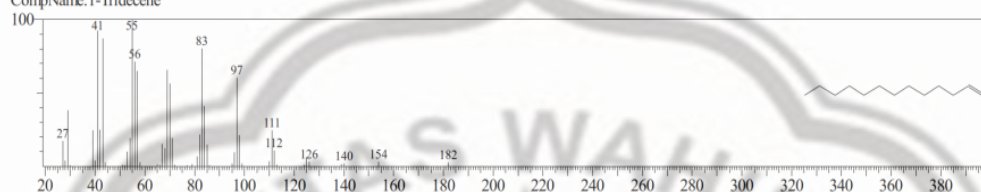
Lampiran 6. Lanjutan...

<< Target >>

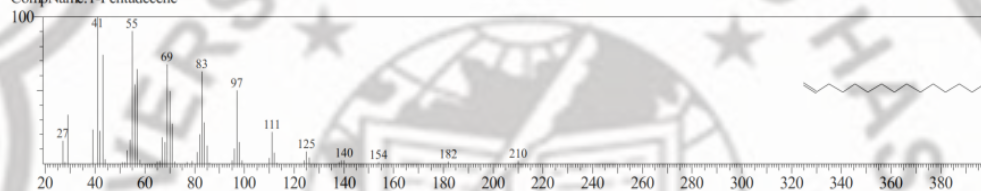
Line#:6 R.Time:24.600(Scan#:2569) MassPeaks:45
RawMode:Averaged 24.592-24.608(2568-2570) BasePeak:55.10(63591)
BG Mode:Calc. from Peak Group 1 - Event 1



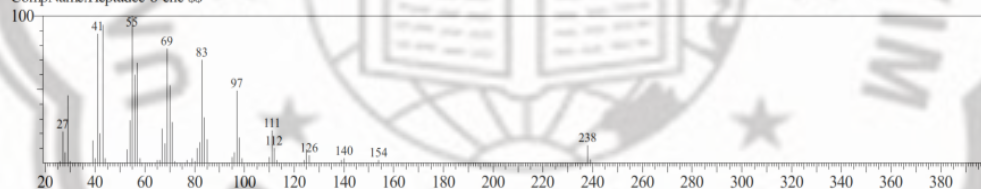
Hit#:1 Entry:6635 Library:NIST12.LIB
SI:96 Formula:C13H26 CAS:2437-56-1 MolWeight:182 RetIndex:0
CompName:1-Tridecene



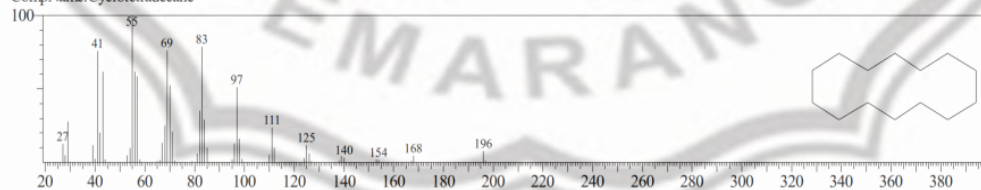
Hit#:2 Entry:7957 Library:NIST12.LIB
SI:95 Formula:C15H30 CAS:13360-61-7 MolWeight:210 RetIndex:0
CompName:1-Pentadecene



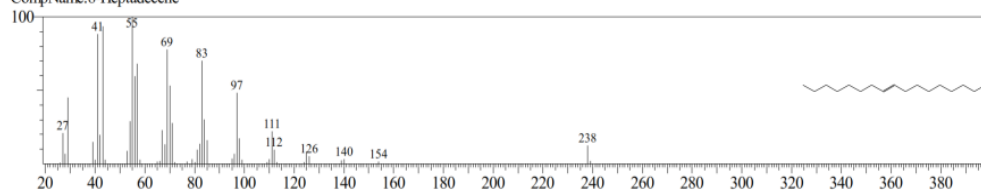
Hit#:3 Entry:100312 Library:WILEY229.LIB
SI:95 Formula:C17H34 CAS:0-00-0 MolWeight:238 RetIndex:0
CompName:Heptadec-8-ene SS



Hit#:4 Entry:7290 Library:NIST12.LIB
SI:95 Formula:C14H28 CAS:295-17-0 MolWeight:196 RetIndex:0
CompName:Cyclotetradecane



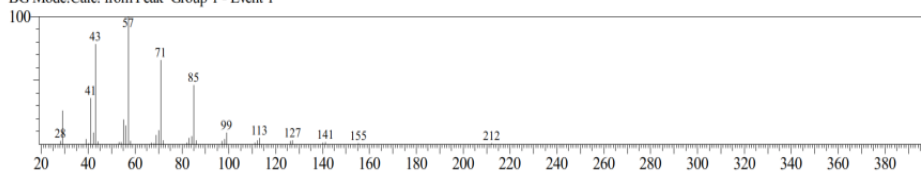
Hit#:5 Entry:31659 Library:NIST62.LIB
SI:95 Formula:C17H34 CAS:54290-12-9 MolWeight:238 RetIndex:0
CompName:8-Heptadecene



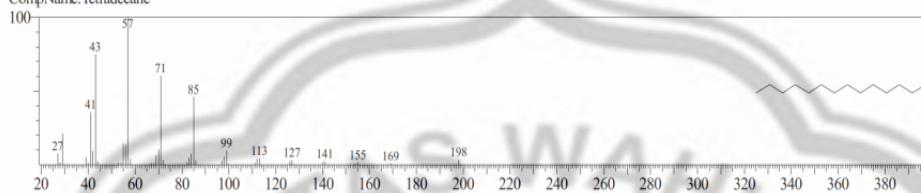
Lampiran 6. Lanjutan...

<< Target >>

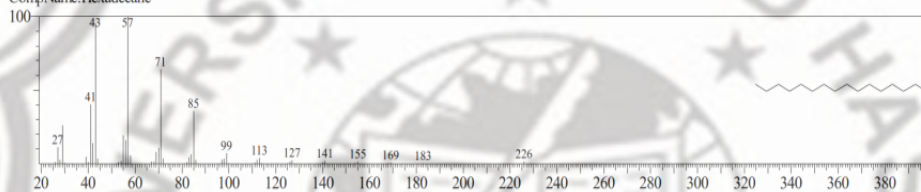
Line#:7 R.Time:24.808(Scan#:2594) MassPeaks:37
RawMode:Averaged 24.800-24.817(2593-2595) BasePeak:57.10(477066)
BG Mode:Calc. from Peak Group 1 - Event 1



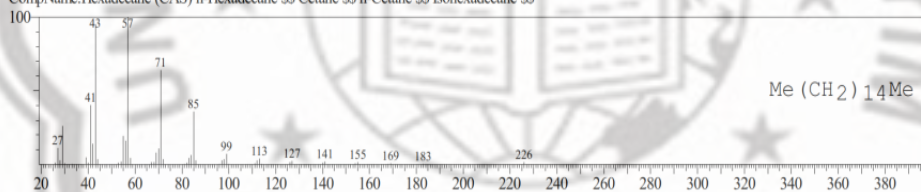
Hit#:1 Entry:7424 Library:NIST12.LIB
SI:98 Formula:C14H30 CAS:629-59-4 MolWeight:198 RetIndex:0
CompName:Tetradecane



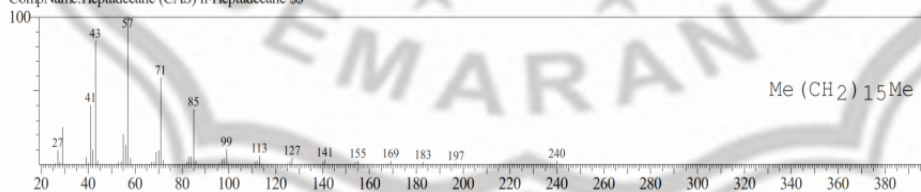
Hit#:2 Entry:8552 Library:NIST12.LIB
SI:97 Formula:C16H34 CAS:544-76-3 MolWeight:226 RetIndex:0
CompName:Hexadecane



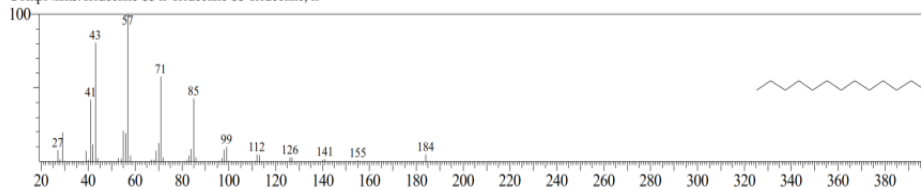
Hit#:3 Entry:90350 Library:WILEY229.LIB
SI:97 Formula:C16H34 CAS:544-76-3 MolWeight:226 RetIndex:0
CompName:Hexadecane (CAS) n-Hexadecane SS Cetane SS n-Cetane SS Isohexadecane SS



Hit#:4 Entry:101868 Library:WILEY229.LIB
SI:97 Formula:C17H36 CAS:629-78-7 MolWeight:240 RetIndex:0
CompName:Heptadecane (CAS) n-Heptadecane SS



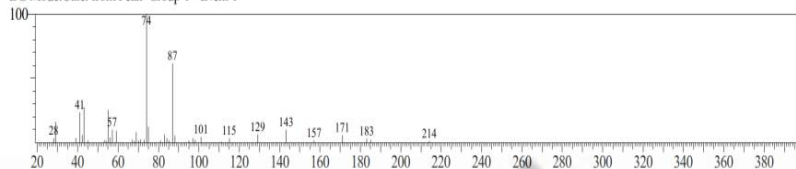
Hit#:5 Entry:18989 Library:NIST62.LIB
SI:96 Formula:C13H28 CAS:629-50-5 MolWeight:184 RetIndex:0
CompName:Tridecane SS n-Tridecane SS Tridecane, n-



Lampiran 6. Lanjutan...

<< Target >>

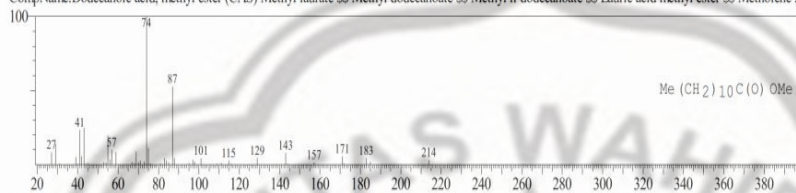
Line#:8 R.Time:25.392(Scan#:2664) MassPeaks:40
RawMode:Averaged 25.383-25.400(2663-2665) BasePeak:74.05(298209)
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:79499 Library:WILEY229.LIB

SI:96 Formula:C13H26O2 CAS:111-82-0 MolWeight:214 RetIndex:0

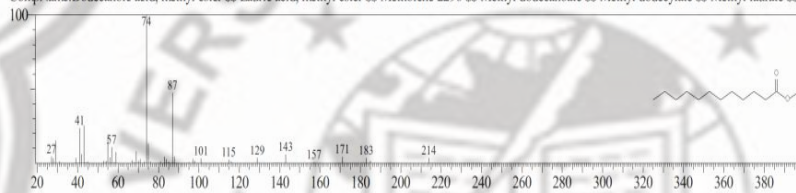
CompName:Dodecanoic acid, methyl ester (CAS) Methyl laurate SS Methyl dodecanoate SS Methyl n-dodecanoate SS Lauric acid methyl ester SS Metholene 2296 SS Methyl laurate SS Methyl dodecylate SS U



Hit#:2 Entry:26365 Library:NIST62.LIB

SI:96 Formula:C13H26O2 CAS:111-82-0 MolWeight:214 RetIndex:0

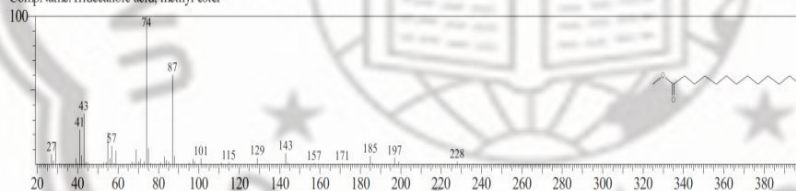
CompName:Dodecanoic acid, methyl ester SS Lauric acid, methyl ester SS Metholene 2296 SS Methyl dodecanoate SS Methyl dodecylate SS Methyl laurate SS Methyl laurate SS Methyl n-dodecanoate SS Unip



Hit#:3 Entry:8599 Library:NIST12.LIB

SI:95 Formula:C14H28O2 CAS:1731-88-0 MolWeight:228 RetIndex:0

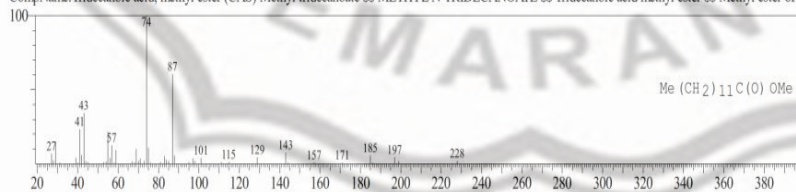
CompName:Tridecanoic acid, methyl ester



Hit#:4 Entry:91673 Library:WILEY229.LIB

SI:95 Formula:C14H28O2 CAS:1731-88-0 MolWeight:228 RetIndex:0

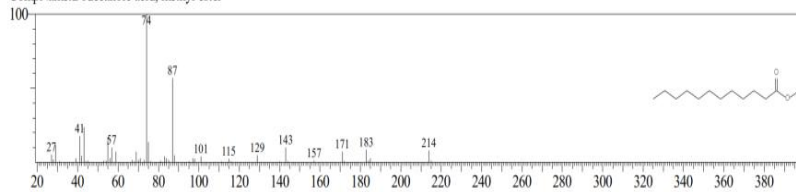
CompName:Tridecanoic acid, methyl ester (CAS) Methyl tridecanoate SS METHYL N-TRIDECANOATE SS Tridecanoic acid methyl ester SS Methyl ester of tridecanoic acid SS



Hit#:5 Entry:8112 Library:NIST12.LIB

SI:94 Formula:C13H26O2 CAS:111-82-0 MolWeight:214 RetIndex:0

CompName:Dodecanoic acid, methyl ester



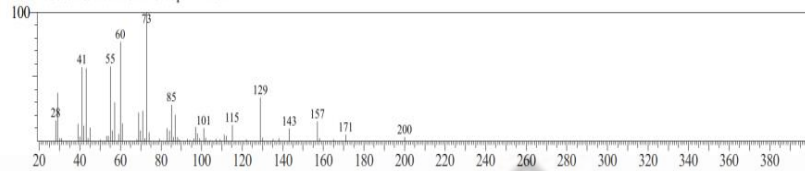
Lampiran 6. Lanjutan...

<< Target >>

Line#:9 R.Time:26.525(Scan#:2800) MassPeaks:60

RawMode:Averaged 26.517-26.533(2799-2801) BasePeak:73.05(39013)

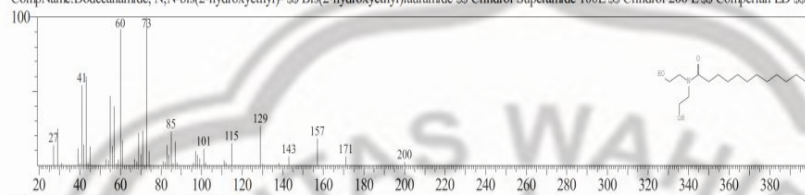
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:40673 Library:NIST62.LIB

SI:93 Formula:C16H33NO3 CAS:120-40-1 MolWeight:287 RetIndex:0

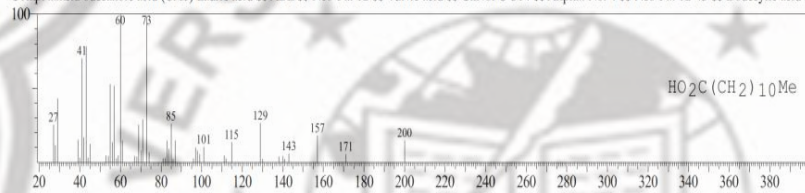
CompName:Dodecanamide, N,N-bis(2-hydroxyethyl)- SS Bis(2-hydroxyethyl)lauramide SS Clindrol Superamide 100L SS Clindrol 200 L SS Comperlan LD SS Condensate PL SS Crillon L.D.E. SS Diethanolami



Hit#:2 Entry:67386 Library:WILEY229.LIB

SI:92 Formula:C12H24O2 CAS:143-07-7 MolWeight:200 RetIndex:0

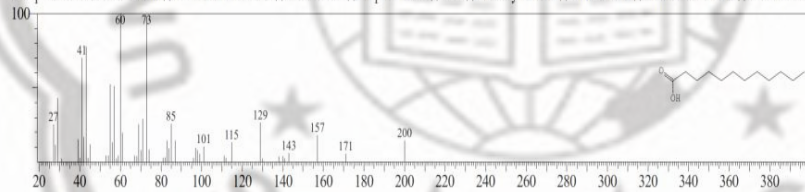
CompName:Dodecanoic acid (CAS) Lauric acid SS ABL SS Neo-Fat 12 SS Vulvic acid SS Univol U-314 SS Aliphatic No. 4 SS Neo-Fat 12-43 SS Dodecyllic acid SS Ninol AA62 extra SS Laurostearic acid SS n-Dod



Hit#:3 Entry:22953 Library:NIST62.LIB

SI:92 Formula:C12H24O2 CAS:143-07-7 MolWeight:200 RetIndex:0

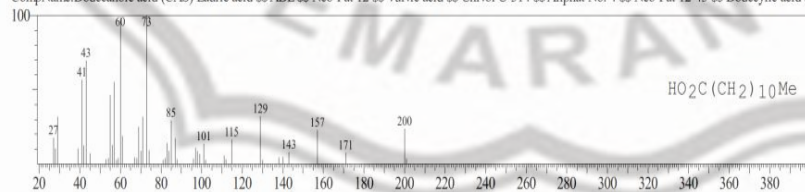
CompName:Dodecanoic acid SS n-Dodecanoic acid SS Neo-fat 12 SS Aliphatic no. 4 SS Abl SS Dodecyllic acid SS Lauric acid SS Laurostearic acid SS Neo-fat 12-43 SS Ninol aa62 extra SS Univol u-314 SS Vulvic



Hit#:4 Entry:67384 Library:WILEY229.LIB

SI:92 Formula:C12H24O2 CAS:143-07-7 MolWeight:200 RetIndex:0

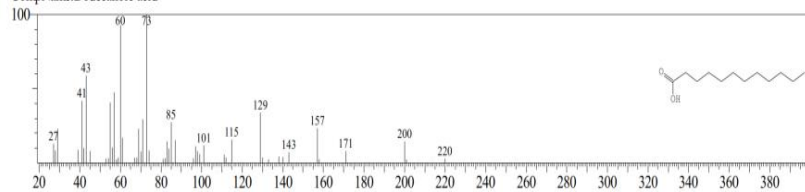
CompName:Dodecanoic acid (CAS) Lauric acid SS ABL SS Neo-Fat 12 SS Vulvic acid SS Univol U-314 SS Aliphatic No. 4 SS Neo-Fat 12-43 SS Dodecyllic acid SS Ninol AA62 extra SS Laurostearic acid SS n-Dod



Hit#:5 Entry:7493 Library:NIST12.LIB

SI:91 Formula:C12H24O2 CAS:143-07-7 MolWeight:200 RetIndex:0

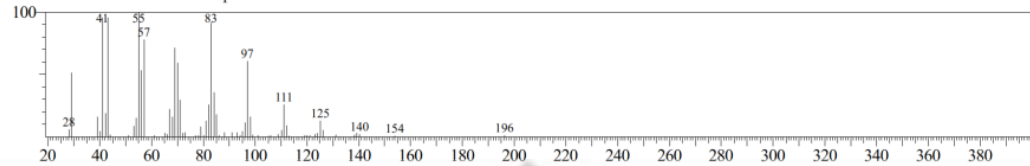
CompName:Dodecanoic acid



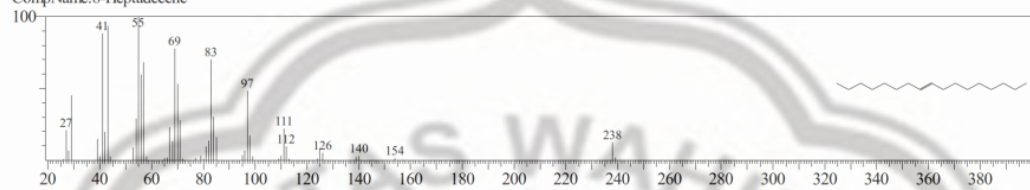
Lampiran 6. Lanjutan

<< Target >>

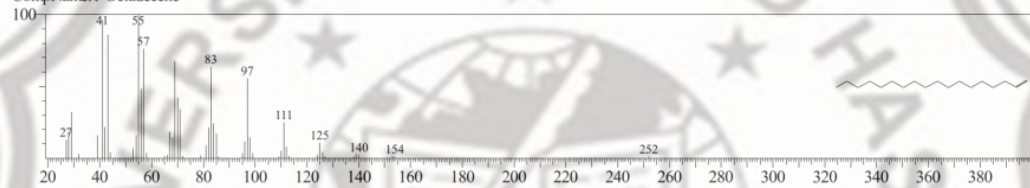
Line#:10 R.Time:27.175(Scan#:2878) MassPeaks:64
RawMode:Averaged 27.167-27.183(2877-2879) BasePeak:55.10(69603)
BG Mode:Calc. from Peak Group 1 - Event 1



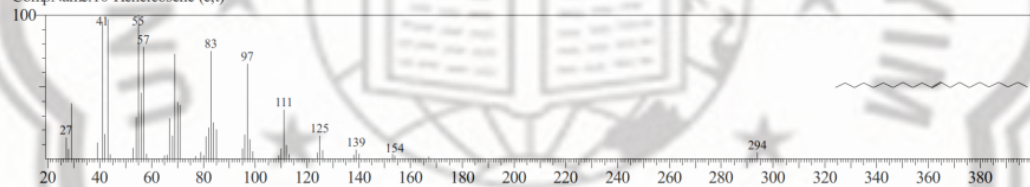
Hit#:1 Entry:31659 Library:NIST62.LIB
SI:94 Formula:C17H34 CAS:54290-12-9 MolWeight:238 RetIndex:0
CompName:8-Heptadecene



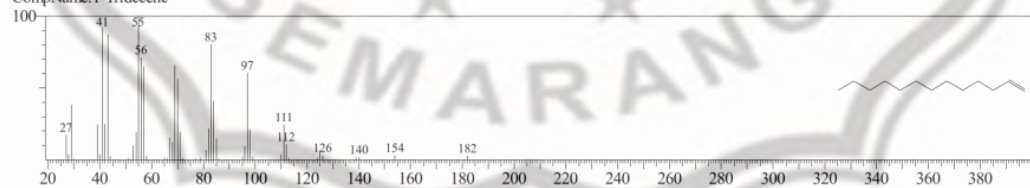
Hit#:2 Entry:9268 Library:NIST12.LIB
SI:94 Formula:C18H36 CAS:112-88-9 MolWeight:252 RetIndex:0
CompName:1-Octadecene



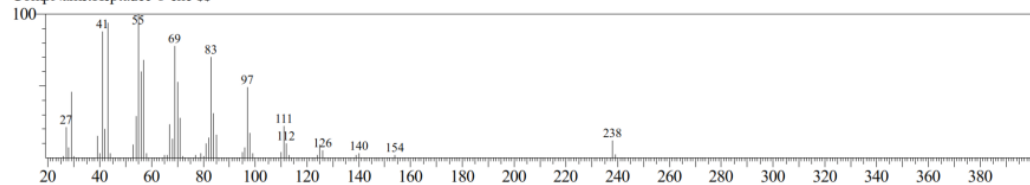
Hit#:3 Entry:41868 Library:NIST62.LIB
SI:94 Formula:C21H42 CAS:0-00-0 MolWeight:294 RetIndex:0
CompName:10-Heneicosene (c,t)



Hit#:4 Entry:6635 Library:NIST12.LIB
SI:94 Formula:C13H26 CAS:2437-56-1 MolWeight:182 RetIndex:0
CompName:1-Tridecene



Hit#:5 Entry:100312 Library:WILEY229.LIB
SI:94 Formula:C17H34 CAS:0-00-0 MolWeight:238 RetIndex:0
CompName:Heptadec-8-ene SS



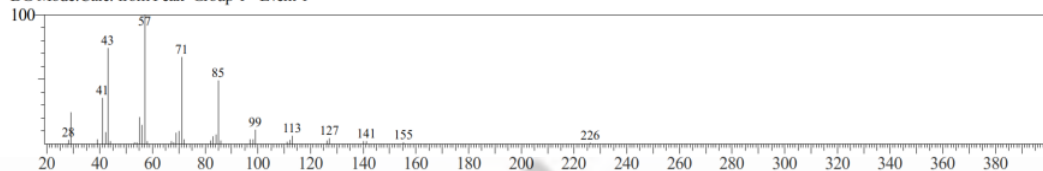
Lampiran 6. Lanjutan...

<< Target >>

Line#:11 R.Time:27.358(Scan#:2900) MassPeaks:36

RawMode:Averaged 27.350-27.367(2899-2901) BasePeak:57.10(229167)

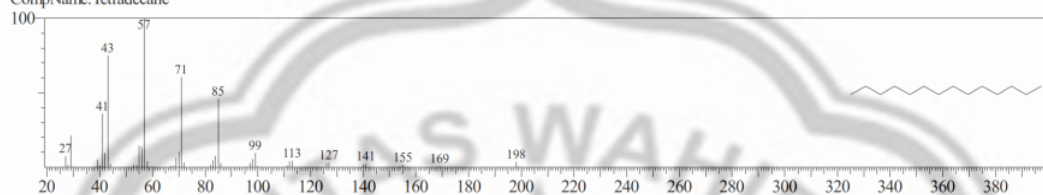
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:7424 Library:NIST12.LIB

SI:97 Formula:C14H30 CAS:629-59-4 MolWeight:198 RetIndex:0

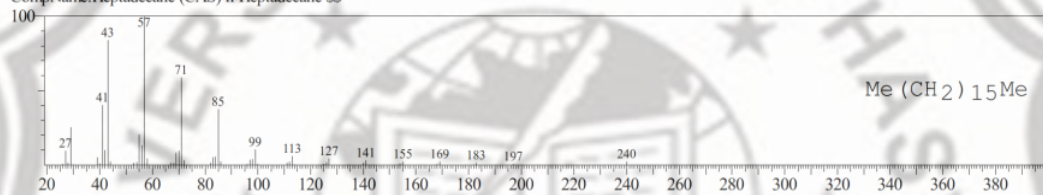
CompName:Tetradecane



Hit#:2 Entry:101868 Library:WILEY229.LIB

SI:96 Formula:C17H36 CAS:629-78-7 MolWeight:240 RetIndex:0

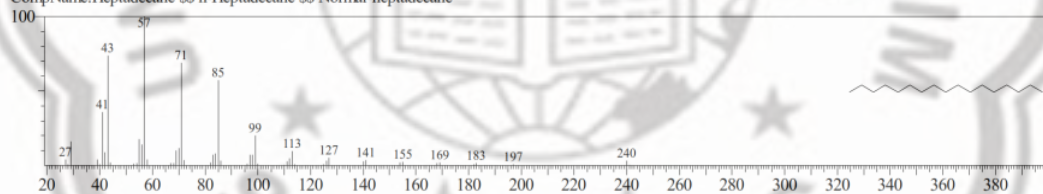
CompName:Heptadecane (CAS) n-Heptadecane SS



Hit#:3 Entry:32063 Library:NIST62.LIB

SI:96 Formula:C17H36 CAS:629-78-7 MolWeight:240 RetIndex:0

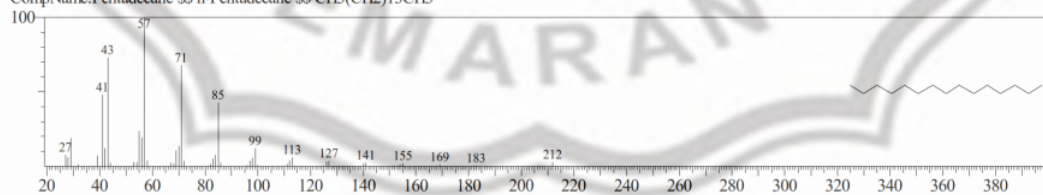
CompName:Heptadecane SS n-Heptadecane SS Normal-heptadecane



Hit#:4 Entry:26001 Library:NIST62.LIB

SI:96 Formula:C15H32 CAS:629-62-9 MolWeight:212 RetIndex:0

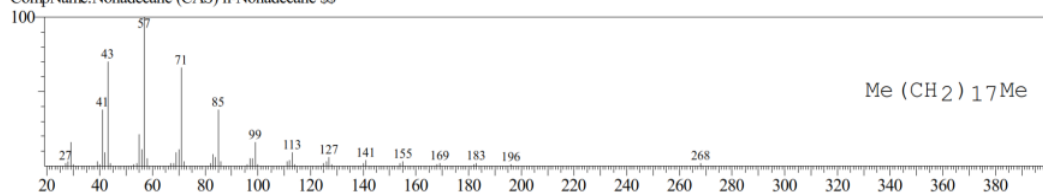
CompName:Pentadecane SS n-Pentadecane SS CH3(CH2)13CH3



Hit#:5 Entry:123251 Library:WILEY229.LIB

SI:96 Formula:C19H40 CAS:629-92-5 MolWeight:268 RetIndex:0

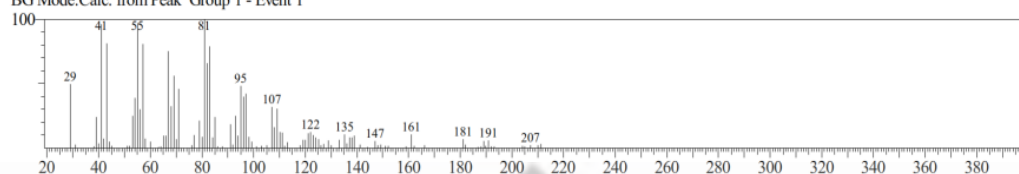
CompName:Nonadecane (CAS) n-Nonadecane SS



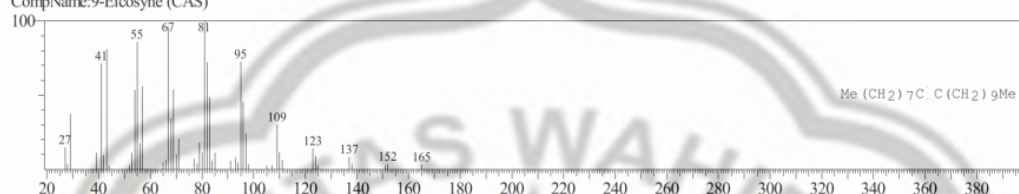
Lampiran 6. Lanjutan

<< Target >>

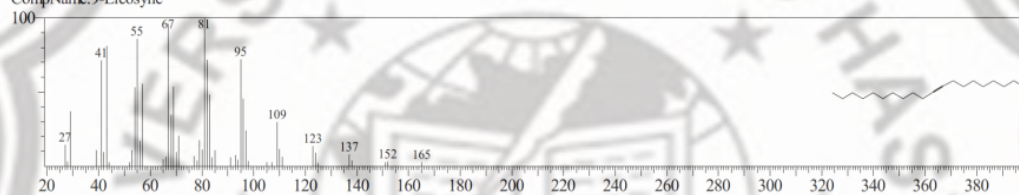
Line#:12 R.Time:29.067(Scan#:3105) MassPeaks:101
 RawMode:Averaged 29.058-29.075(3104-3106) BasePeak:81.05(14779)
 BG Mode:Calc. from Peak Group 1 - Event 1



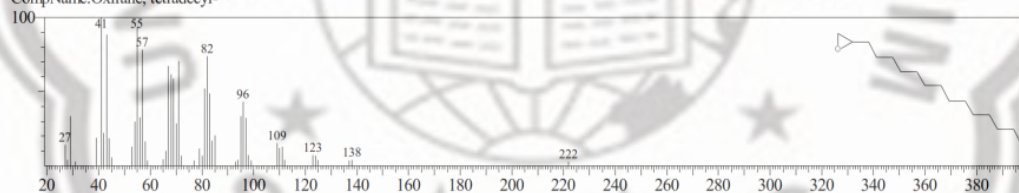
Hit#:1 Entry:130554 Library:WILEY229.LIB
 SI:89 Formula:C20H38 CAS:71899-38-2 MolWeight:278 RetIndex:0
 CompName:9-Eicosyne (CAS)



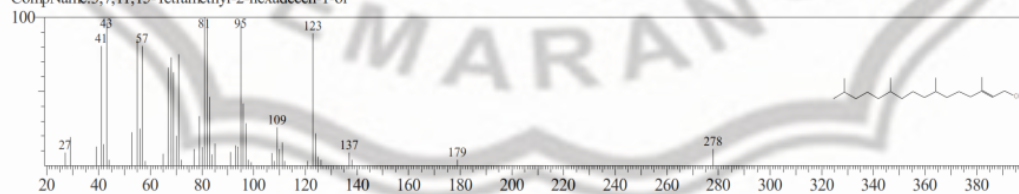
Hit#:2 Entry:39234 Library:NIST62.LIB
 SI:89 Formula:C20H38 CAS:71899-38-2 MolWeight:278 RetIndex:0
 CompName:9-Eicosyne



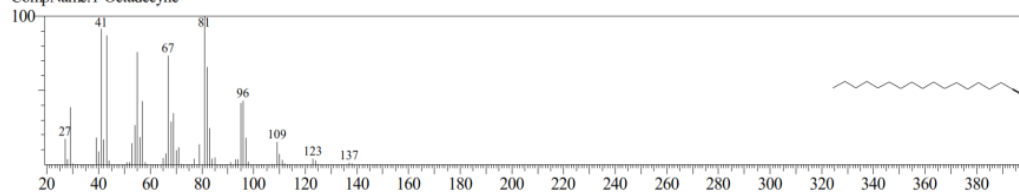
Hit#:3 Entry:8954 Library:NIST12.LIB
 SI:87 Formula:C16H32O CAS:7320-37-8 MolWeight:240 RetIndex:0
 CompName:Oxirane, tetradecyl-



Hit#:4 Entry:42183 Library:NIST62.LIB
 SI:86 Formula:C20H40O CAS:102608-53-7 MolWeight:296 RetIndex:0
 CompName:3,7,11,15-Tetramethyl-2-hexadecen-1-ol



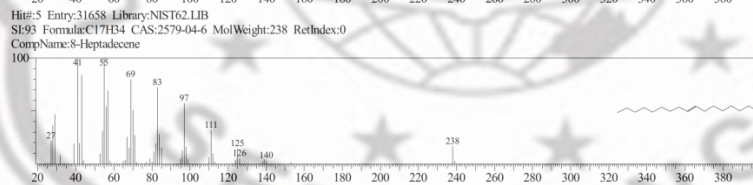
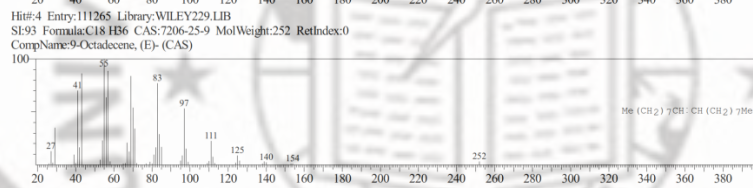
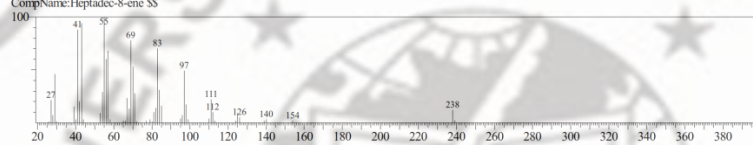
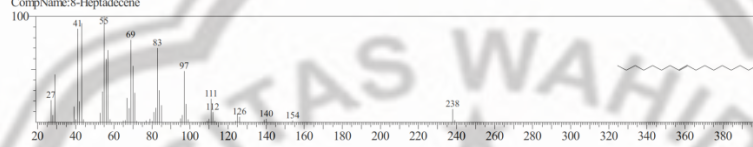
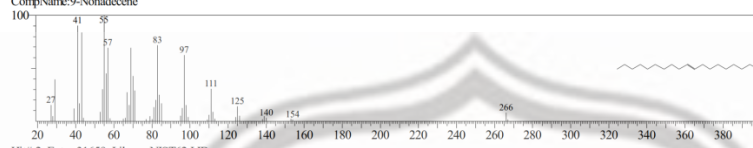
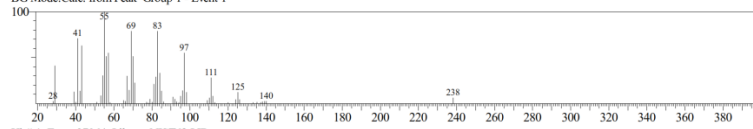
Hit#:5 Entry:34013 Library:NIST62.LIB
 SI:86 Formula:C18H34 CAS:629-89-0 MolWeight:250 RetIndex:0
 CompName:1-Octadecyne



Lampiran 6. Lanjutan

<< Target >>

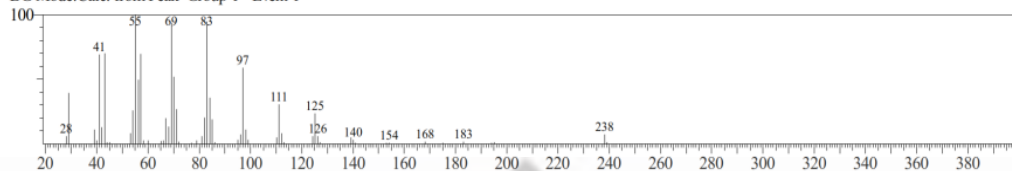
Line#:13 R.Time:29.242(Scan#:3126) MassPeaks:55
 RawMode:Averaged 29.233-29.250(3125-3127) BasePeak:55.10(60744)
 BG Mode:Calc. from Peak Group 1 - Event 1



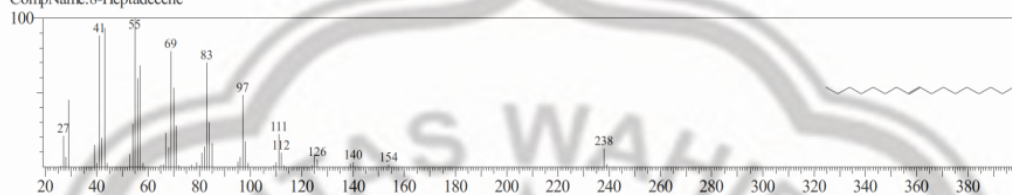
Lampiran 6. Lanjutan

<< Target >>

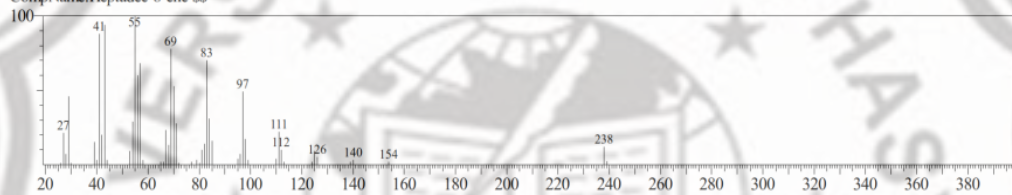
Line#:14 R.Time:29.375(Scan#:3142) MassPeaks:57
 RawMode:Averaged 29.367-29.383(3141-3143) BasePeak:55.10(58629)
 BG Mode:Calc. from Peak Group 1 - Event 1



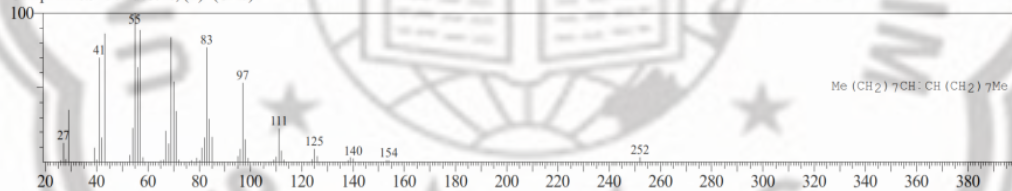
Hit#:1 Entry:31659 Library:NIST62.LIB
 SI:94 Formula:C17H34 CAS:54290-12-9 MolWeight:238 RetIndex:0
 CompName:8-Heptadecene



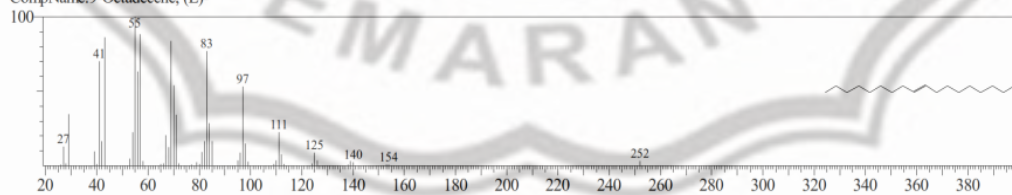
Hit#:2 Entry:100312 Library:WILEY229.LIB
 SI:94 Formula:C17H34 CAS:0-00-0 MolWeight:238 RetIndex:0
 CompName:Heptadec-8-ene SS



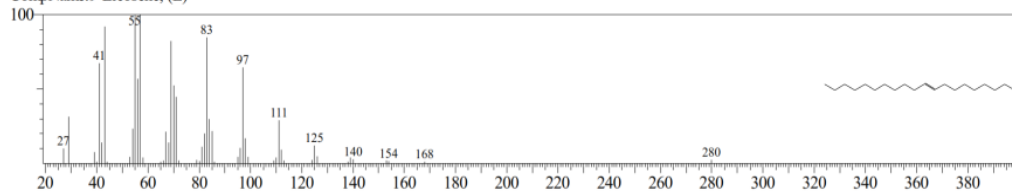
Hit#:3 Entry:111265 Library:WILEY229.LIB
 SI:94 Formula:C18H36 CAS:7206-25-9 MolWeight:252 RetIndex:0
 CompName:9-Octadecene, (E)- (CAS)



Hit#:4 Entry:34422 Library:NIST62.LIB
 SI:94 Formula:C18H36 CAS:7206-25-9 MolWeight:252 RetIndex:0
 CompName:9-Octadecene, (E)-



Hit#:5 Entry:39519 Library:NIST62.LIB
 SI:94 Formula:C20H40 CAS:74685-29-3 MolWeight:280 RetIndex:0
 CompName:9-Eicosene, (E)-



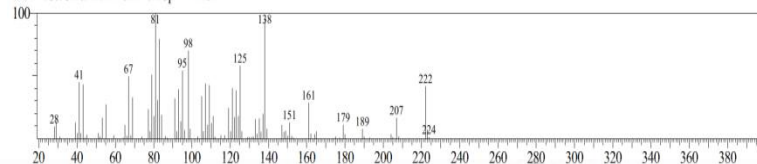
Lampiran 6. Lanjutan...

<< Target >>

Line#:15 RTime:29.525(Scan#:3160) MassPeaks:95

RawMode:Averaged 29.517-29.533(3159-3161) BasePeak:81.10(36607)

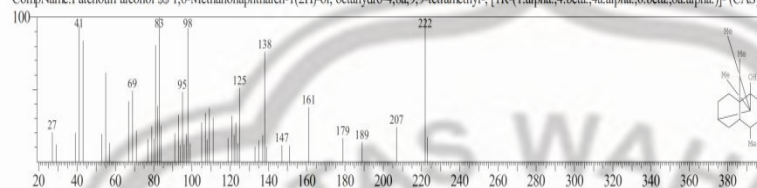
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:86556 Library:WILEY229.LIB

SI:89 Formula:C15 H26 O CAS:5986-55-0 MolWeight:222 RetIndex:0

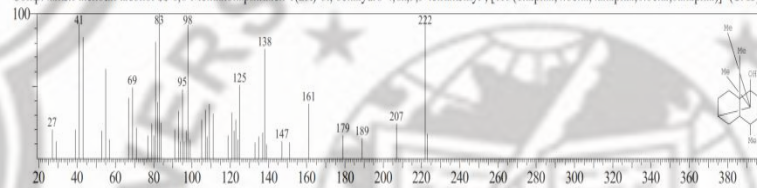
CompName:Patchouli alcohol SS 1,6-Methanonaphthalen-1(2H)-ol, octahydro-4,8a,9,9-tetramethyl-, [1R-(1.alpha.,4.beta.,4a.alpha.,6.beta.,8a.alpha.)]- (CAS) 1,6-Methanonaphthalen-1(2H)-ol, octahydro-4,8a,9,9-tetramethyl-, [1R-(1.alpha.,4.beta.,4a.alpha.,6.beta.,8a.alpha.)]- (CAS)



Hit#:2 Entry:86555 Library:WILEY229.LIB

SI:89 Formula:C15 H26 O CAS:5986-55-0 MolWeight:222 RetIndex:0

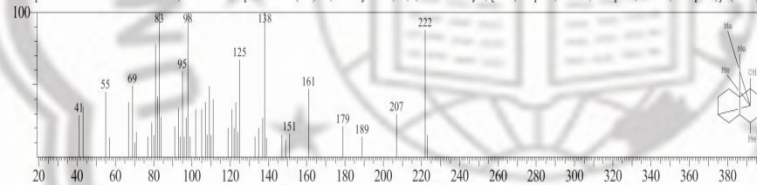
CompName:Patchouli alcohol SS 1,6-Methanonaphthalen-1(2H)-ol, octahydro-4,8a,9,9-tetramethyl-, [1R-(1.alpha.,4.beta.,4a.alpha.,6.beta.,8a.alpha.)]- (CAS) 1,6-Methanonaphthalen-1(2H)-ol, octahydro-4,8a,9,9-tetramethyl-, [1R-(1.alpha.,4.beta.,4a.alpha.,6.beta.,8a.alpha.)]- (CAS)



Hit#:3 Entry:86557 Library:WILEY229.LIB

SI:88 Formula:C15 H26 O CAS:5986-55-0 MolWeight:222 RetIndex:0

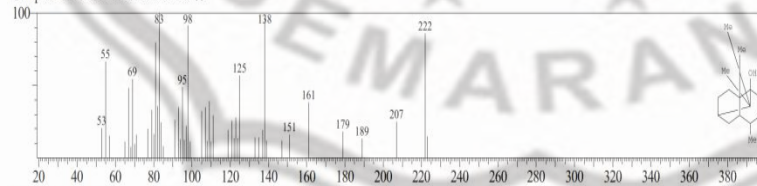
CompName:Patchouli alcohol SS 1,6-Methanonaphthalen-1(2H)-ol, octahydro-4,8a,9,9-tetramethyl-, [1R-(1.alpha.,4.beta.,4a.alpha.,6.beta.,8a.alpha.)]- (CAS) 1,6-Methanonaphthalen-1(2H)-ol, octahydro-4,8a,9,9-tetramethyl-, [1R-(1.alpha.,4.beta.,4a.alpha.,6.beta.,8a.alpha.)]- (CAS)



Hit#:4 Entry:86715 Library:WILEY229.LIB

SI:87 Formula:C15 H26 O CAS:5986-55-0 MolWeight:222 RetIndex:0

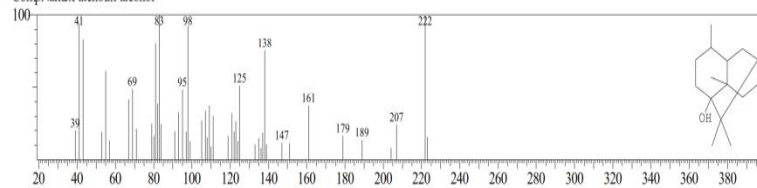
CompName:PATCHOULI ALCOHOL SS



Hit#:5 Entry:8403 Library:NIST12.LIB

SI:87 Formula:C15H26O CAS:5986-55-0 MolWeight:222 RetIndex:0

CompName:Patchouli alcohol



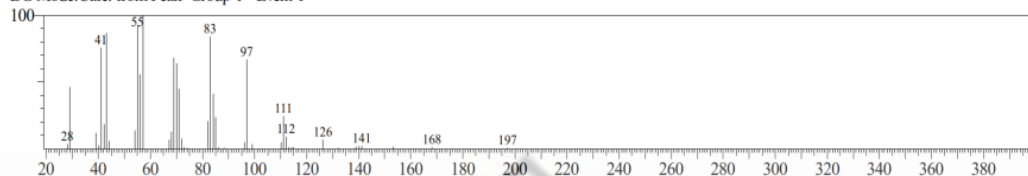
Lampiran 6. Lanjutan...

<< Target >>

Line#:16 R.Time:29.600(Scan#:3169) MassPeaks:43

RawMode:Averaged 29.592-29.608(3168-3170) BasePeak:57.10(34955)

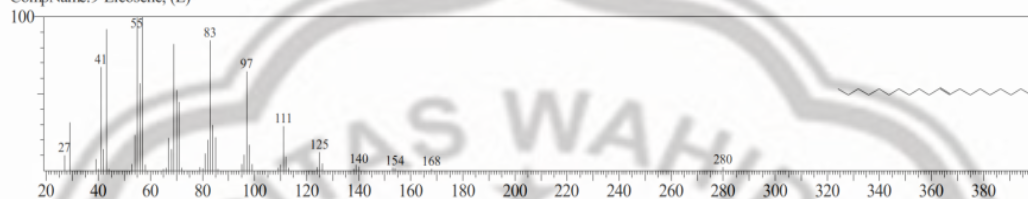
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:39519 Library:NIST62.LIB

SI:93 Formula:C20H40 CAS:74685-29-3 MolWeight:280 RetIndex:0

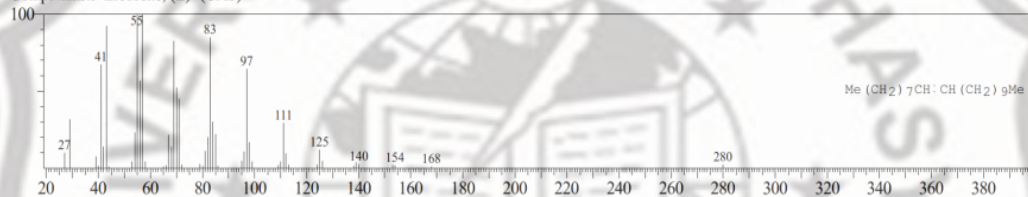
CompName:9-Eicosene, (E)-



Hit#:2 Entry:131933 Library:WILEY229.LIB

SI:92 Formula:C20H40 CAS:74685-29-3 MolWeight:280 RetIndex:0

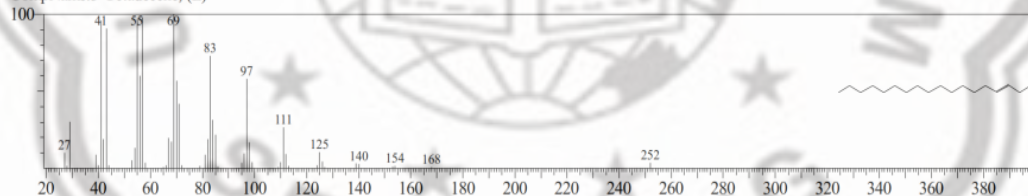
CompName:9-Eicosene, (E)- (CAS)



Hit#:3 Entry:34414 Library:NIST62.LIB

SI:92 Formula:C18H36 CAS:7206-19-1 MolWeight:252 RetIndex:0

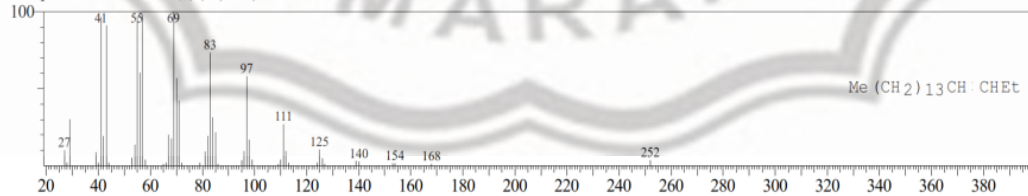
CompName:3-Octadecene, (E)-



Hit#:4 Entry:111263 Library:WILEY229.LIB

SI:92 Formula:C18H36 CAS:7206-19-1 MolWeight:252 RetIndex:0

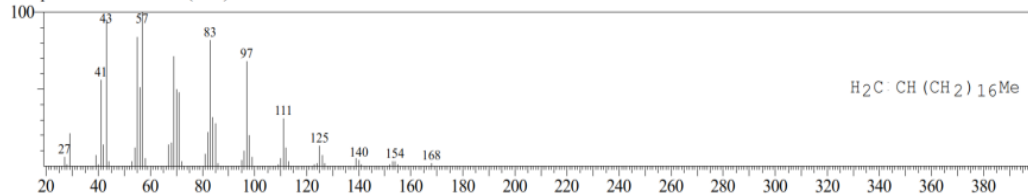
CompName:3-Octadecene, (E)- (CAS)



Hit#:5 Entry:121835 Library:WILEY229.LIB

SI:92 Formula:C19H38 CAS:18435-45-5 MolWeight:266 RetIndex:0

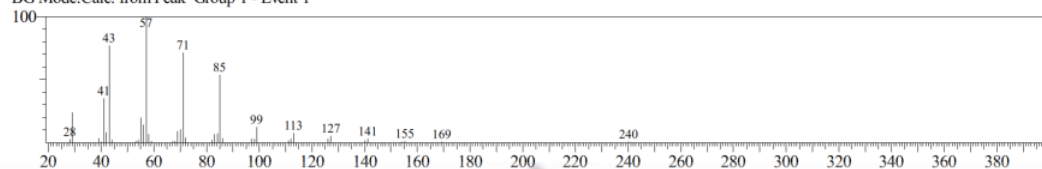
CompName:1-Nonadecene (CAS)



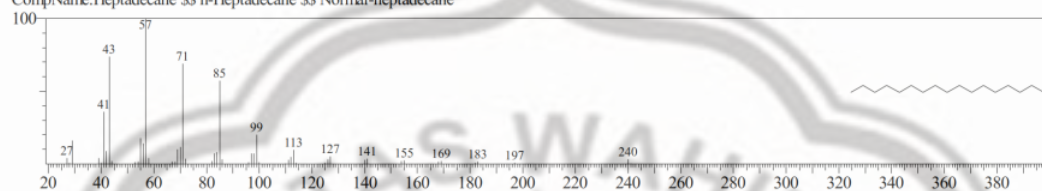
Lampiran 6. Lanjutan...

<< Target >>

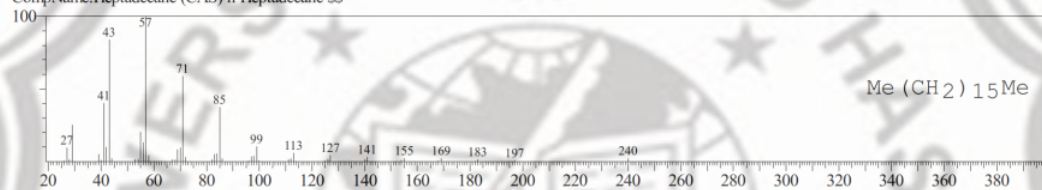
Line#:17 R.Time:29.775(Scan#:3190) MassPeaks:40
 RawMode:Averaged 29.767-29.783(3189-3191) BasePeak:57.10(436002)
 BG Mode:Calc. from Peak Group 1 - Event 1



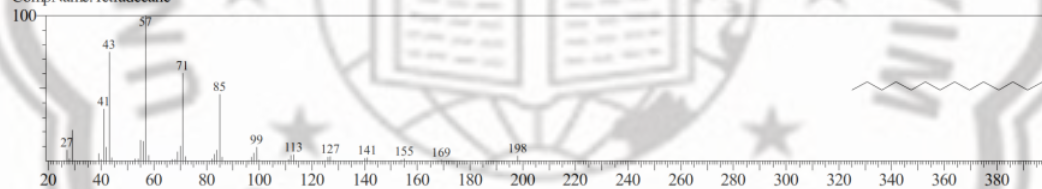
Hit#:1 Entry:32063 Library:NIST62.LIB
 SI:97 Formula:C17H36 CAS:629-78-7 MolWeight:240 RetIndex:0
 CompName:Heptadecane SS n-Heptadecane SS Normal-heptadecane



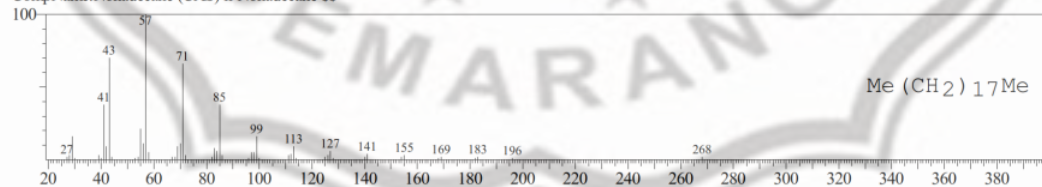
Hit#:2 Entry:101868 Library:WILEY229.LIB
 SI:96 Formula:C17H36 CAS:629-78-7 MolWeight:240 RetIndex:0
 CompName:Heptadecane (CAS) n-Heptadecane SS



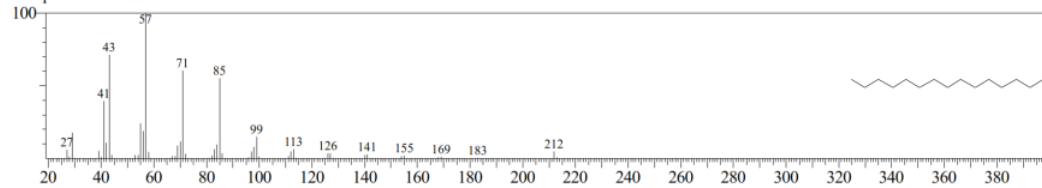
Hit#:3 Entry:7424 Library:NIST12.LIB
 SI:96 Formula:C14H30 CAS:629-59-4 MolWeight:198 RetIndex:0
 CompName:Tetradecane



Hit#:4 Entry:123251 Library:WILEY229.LIB
 SI:96 Formula:C19H40 CAS:629-92-5 MolWeight:268 RetIndex:0
 CompName:Nonadecane (CAS) n-Nonadecane SS



Hit#:5 Entry:8041 Library:NIST12.LIB
 SI:96 Formula:C15H32 CAS:629-62-9 MolWeight:212 RetIndex:0
 CompName:Pentadecane



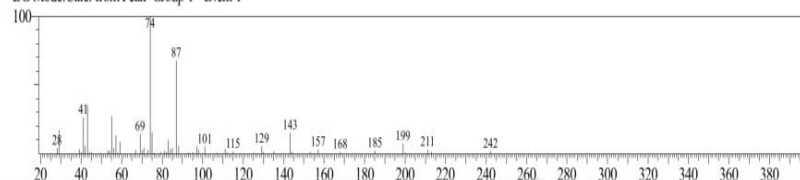
Lampiran 6. Lanjutan...

<< Target >>

Line#:18 R.Time:30.308(Scan#:3254) MassPeaks:56

RawMode:Averaged 30.300-30.317(3253-3255) BasePeak:74.00(199159)

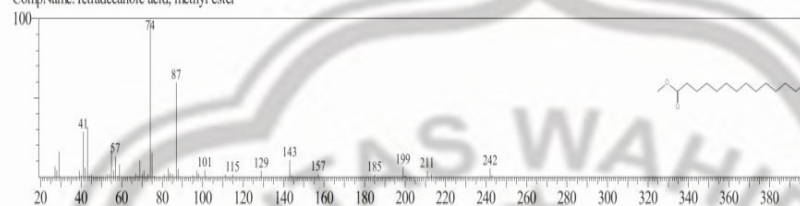
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:9006 Library:NIST12.LIB

SI:95 Formula:C15H30O2 CAS:124-10-7 MolWeight:242 RetIndex:0

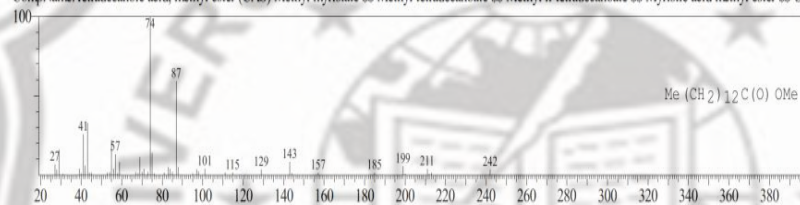
CompName:Tetradecanoic acid, methyl ester



Hit#:2 Entry:103147 Library:WILEY229.LIB

SI:95 Formula:C15H30O2 CAS:124-10-7 MolWeight:242 RetIndex:0

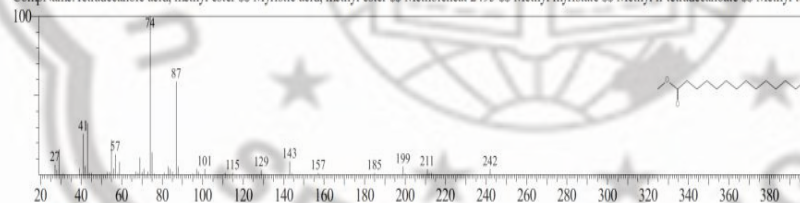
CompName:Tetradecanoic acid, methyl ester (CAS) Methyl myristate SS Methyl tetradecanoate SS Methyl n-tetradecanoate SS Myristic acid methyl ester SS Uniphat A50 SS Metholeneat 2495 SS Myristic acid, n



Hit#:3 Entry:32399 Library:NIST62.LIB

SI:94 Formula:C15H30O2 CAS:124-10-7 MolWeight:242 RetIndex:0

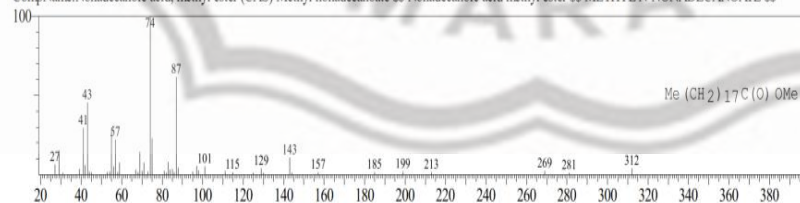
CompName:Tetradecanoic acid, methyl ester SS Myristic acid, methyl ester SS Metholeneat 2495 SS Methyl myristate SS Methyl n-tetradecanoate SS Methyl tetradecanoate SS Uniphat A50



Hit#:4 Entry:153311 Library:WILEY229.LIB

SI:93 Formula:C20H40O2 CAS:1731-94-8 MolWeight:312 RetIndex:0

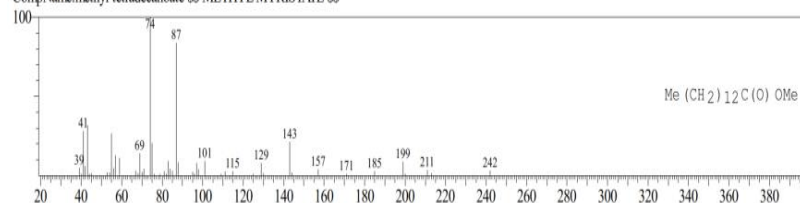
CompName:Nonadecanoic acid, methyl ester (CAS) Methyl nonadecanoate SS Nonadecanoic acid methyl ester SS METHYL N-NONADECANOATE SS



Hit#:5 Entry:103191 Library:WILEY229.LIB

SI:93 Formula:C15H30O2 CAS:124-10-7 MolWeight:242 RetIndex:0

CompName:methyl tetradecanoate SS METHYL MYRISTATE SS



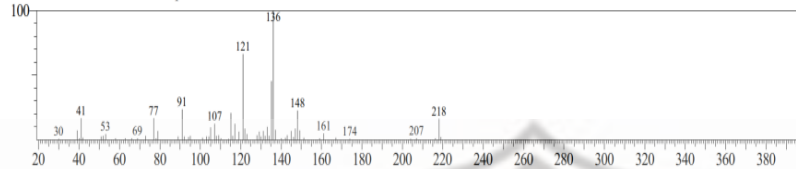
Lampiran 6. Lanjutan..

<< Target >>

Line#:19 R.Time:30.983(Scan#:3335) MassPeaks:65

RawMode:Averaged 30.975-30.992(3334-3336) BasePeak:136.10(25473)

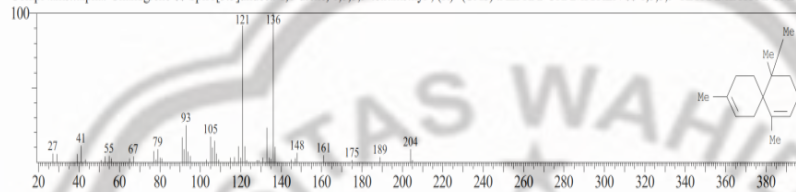
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:70813 Library:WILEY229.LIB

SI:76 Formula:C15 H24 CAS:19912-83-5 MolWeight:204 RetIndex:0

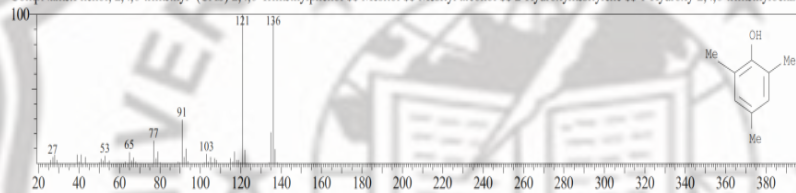
CompName:alpha-Chamigrene SS Spiro[5.5]undeca-1,8-diene, 1,5,5,9-tetramethyl-, (R)- (CAS) .ALPHA-CHAMIGREN SS 1,5,5,9-TETRAMETHYL-SPIRO[5.5]UNDECA-1,8-DIENE SS Spiro[5.5]undeca-1



Hit#:2 Entry:19051 Library:WILEY229.LIB

SI:74 Formula:C9 H12 O CAS:527-60-6 MolWeight:136 RetIndex:0

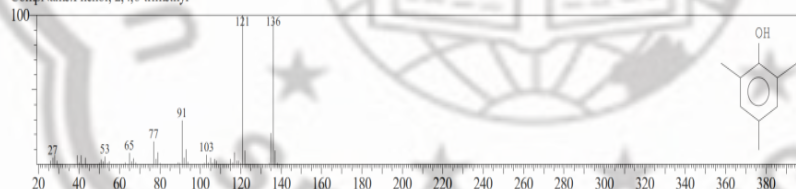
CompName:Phenol, 2,4,6-trimethyl- (CAS) 2,4,6-Trimethylphenol SS Mesitol SS Mesityl alcohol SS 2-Hydroxymesitylene SS 1-Hydroxy-2,4,6-trimethylbenzene SS



Hit#:3 Entry:3504 Library:NIST12.LIB

SI:74 Formula:C9 H12 O CAS:527-60-6 MolWeight:136 RetIndex:0

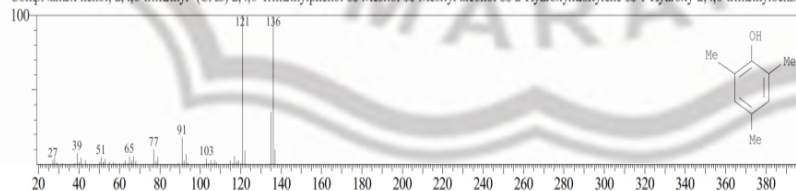
CompName:Phenol, 2,4,6-trimethyl-



Hit#:4 Entry:19050 Library:WILEY229.LIB

SI:73 Formula:C9 H12 O CAS:527-60-6 MolWeight:136 RetIndex:0

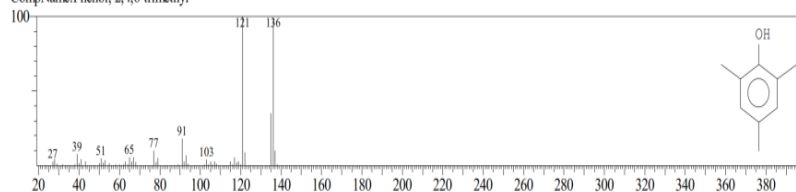
CompName:Phenol, 2,4,6-trimethyl- (CAS) 2,4,6-Trimethylphenol SS Mesitol SS Mesityl alcohol SS 2-Hydroxymesitylene SS 1-Hydroxy-2,4,6-trimethylbenzene SS



Hit#:5 Entry:3502 Library:NIST12.LIB

SI:73 Formula:C9 H12 O CAS:527-60-6 MolWeight:136 RetIndex:0

CompName:Phenol, 2,4,6-trimethyl-



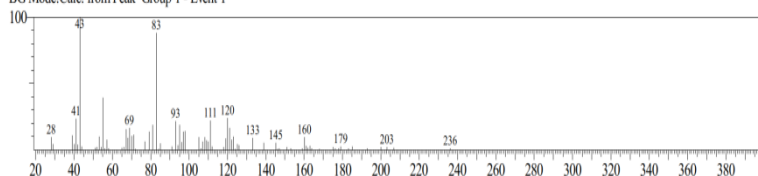
Lampiran 6. Lanjutan

<< Target >>

Line#:20 R.Time:31.100(Scan#:3349) MassPeaks:79

RawMode:Averaged 31.092-31.108(3348-3350) BasePeak:43.05(27014)

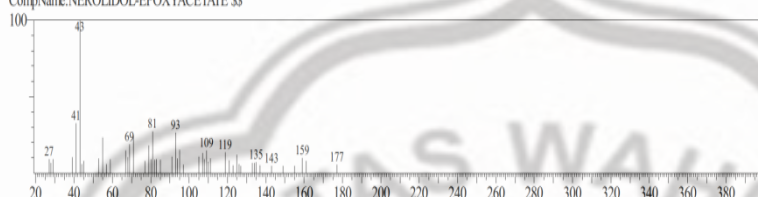
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:142600 Library:WILEY229.LIB

SI:76 Formula:C17 H28 O4 CAS:0-00-0 MolWeight:296 RetIndex:0

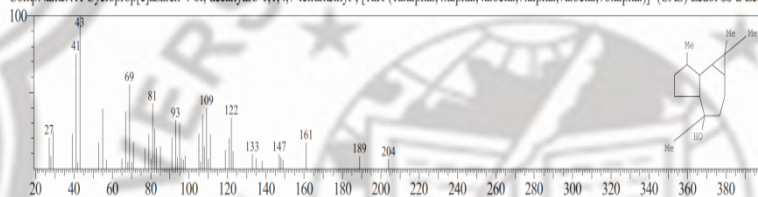
CompName:NEROLIDOL-EPOXYACETATE SS



Hit#:2 Entry:86604 Library:WILEY229.LIB

SI:76 Formula:C15 H26 O CAS:577-27-5 MolWeight:222 RetIndex:0

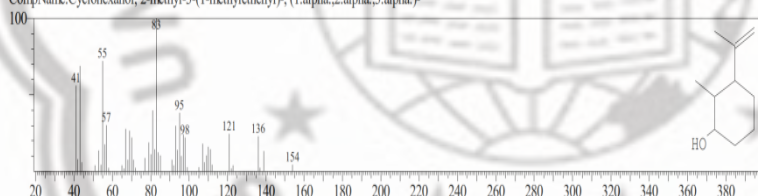
CompName:1H-Cycloprop[er]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-, [1aR-(1a.alpha.,4.alpha.,4a.beta.,7.alpha.,7a.beta.,7b.alpha.)]- (CAS) Ledol SS d-Ledol SS (+)-Ledol SS 1H-Cycloprop[er]azulen-4-ol, de



Hit#:3 Entry:10988 Library:NIST62.LIB

SI:75 Formula:C10 H18 O CAS:54244-81-4 MolWeight:154 RetIndex:0

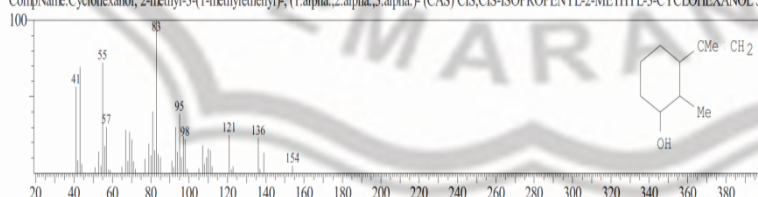
CompName:Cyclohexanol, 2-methyl-3-(1-methylethenyl)-, (1.alpha.,2.alpha.,3.alpha.)-



Hit#:4 Entry:31430 Library:WILEY229.LIB

SI:75 Formula:C10 H18 O CAS:54244-81-4 MolWeight:154 RetIndex:0

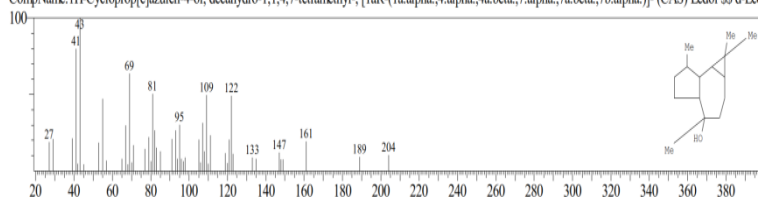
CompName:Cyclohexanol, 2-methyl-3-(1-methylethenyl)-, (1.alpha.,2.alpha.,3.alpha.)- (CAS) CIS-ISOPROPENYL-2-METHYL-3-CYCLOHEXANOL SS



Hit#:5 Entry:86606 Library:WILEY229.LIB

SI:75 Formula:C15 H26 O CAS:577-27-5 MolWeight:222 RetIndex:0

CompName:1H-Cycloprop[er]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-, [1aR-(1a.alpha.,4.alpha.,4a.beta.,7.alpha.,7a.beta.,7b.alpha.)]- (CAS) Ledol SS d-Ledol SS (+)-Ledol SS 1H-Cycloprop[er]azulen-4-ol, de



Lampiran 7. Hasil Kromatografi Gas Bawang Putih

C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Faizal Bawang Putih u1.QGD

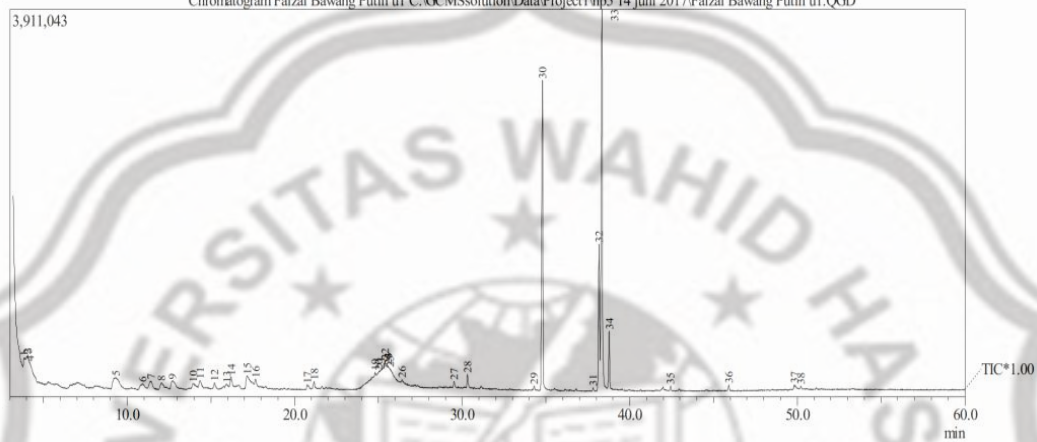


Lab. Kimia Organik FMIPA - UGM

Sample Information

Analyzed by : Admin
 Sample Name : Faizal Bawang Putih u1
 Sample ID :
 Data File : C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Faizal Bawang Putih u1.QGD
 Method File : C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Organik baru spl06 2017.qgm
 Tuning File : C:\GCMSsolution\System1\Tune1\juni 21 2017.qgt

Chromatogram Faizal Bawang Putih u1 C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Faizal Bawang Putih u1.QGD



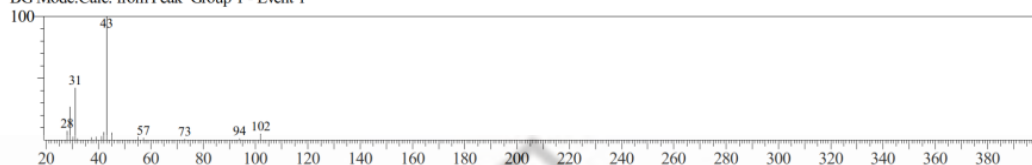
Peak#	R.Time	I.Time	F.Time	Area	Area%	Height
1	3.850	3.775	3.975	1012724	1.46	104754
2	4.008	3.975	4.033	445886	0.64	137756
3	4.077	4.033	4.167	1005360	1.45	156383
4	4.192	4.167	4.392	705329	1.02	95790
5	9.310	9.042	9.658	2454088	3.55	108911
6	10.920	10.667	11.083	619727	0.90	41319
7	11.426	11.208	11.650	920698	1.33	74728
8	12.045	11.900	12.142	266427	0.39	36499
9	12.699	12.542	12.933	1042807	1.51	75209
10	13.929	13.833	14.033	258254	0.37	37608
11	14.356	14.242	14.550	662967	0.96	72504
12	15.217	15.125	15.417	441338	0.64	62198
13	15.944	15.825	16.000	212830	0.31	31254
14	16.209	16.092	16.333	707793	1.02	99627
15	17.180	17.050	17.400	1211886	1.75	103796
16	17.663	17.567	17.775	353847	0.51	60120
17	20.756	20.675	20.933	367814	0.53	45554
18	21.159	20.933	21.242	291712	0.42	63042
19	24.803	24.717	24.883	280655	0.41	53170
20	25.008	24.883	25.117	763794	1.10	59976
21	25.133	25.117	25.325	1214267	1.76	88130
22	25.400	25.325	25.467	1218622	1.76	176952
23	25.575	25.467	25.583	919170	1.33	136489
24	25.592	25.583	25.683	711688	1.03	134520
25	25.700	25.683	26.158	1403831	2.03	112118
26	26.407	26.358	26.550	130140	0.19	31687
27	29.522	29.433	29.617	309955	0.45	62071
28	30.311	30.242	30.433	614297	0.89	136854
29	34.292	34.233	34.367	145335	0.21	43020
30	34.795	34.633	35.000	15942682	23.05	3126661
31	37.815	37.725	37.908	165933	0.24	35680
32	38.164	38.050	38.225	6987132	10.10	1479925
33	38.341	38.225	38.625	22031505	31.85	3839592
34	38.772	38.625	38.883	2459742	3.56	584703
35	42.440	42.350	42.533	186947	0.27	46909
36	45.915	45.808	45.975	217789	0.31	55502
37	49.834	49.725	50.000	359120	0.52	46126
38	50.202	50.108	50.308	135307	0.20	31121
				69179398	100.00	11688258

Lampiran 8. Hasil Spektrometri Massa Bawang Putih

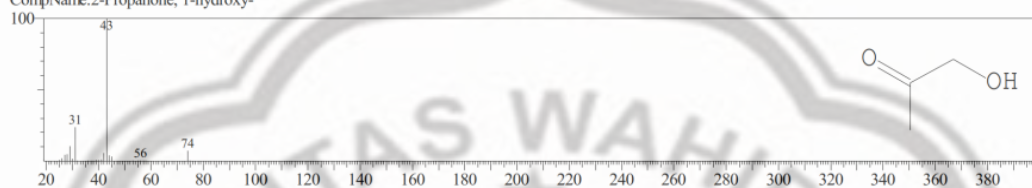
Library

<< Target >>

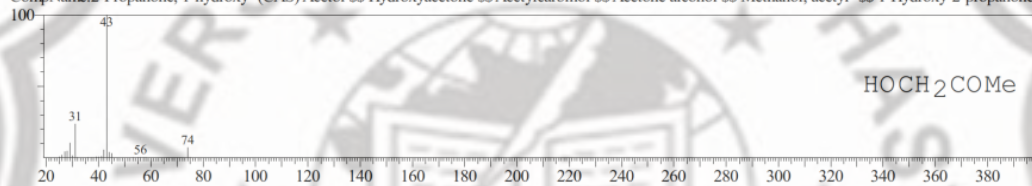
Line#:1 R.Time:3.850(Scan#:79) MassPeaks:16
RawMode:Averaged 3.842-3.858(78-80) BasePeak:43.00(28352)
BG Mode:Calc. from Peak Group 1 - Event 1



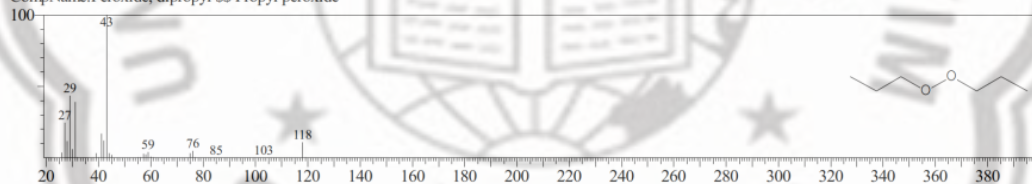
Hit#:2 Entry:318 Library:NIST12.LIB
SI:86 Formula:C3H6O2 CAS:116-09-6 MolWeight:74 RetIndex:0
CompName:2-Propanone, 1-hydroxy-



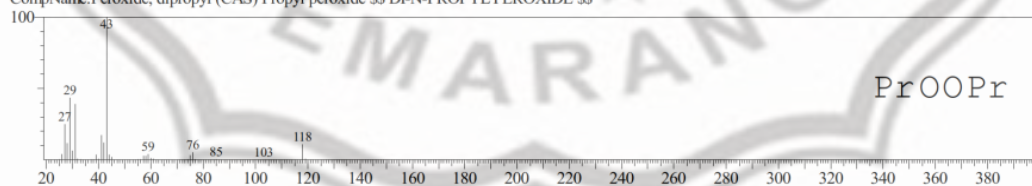
Hit#:2 Entry:1434 Library:WILEY229.LIB
SI:86 Formula:C3H6O2 CAS:116-09-6 MolWeight:74 RetIndex:0
CompName:2-Propanone, 1-hydroxy- (CAS) Acetol SS Hydroxyacetone SS Acetylcarbinol SS Acetone alcohol SS Methanol, acetyl- SS 1-Hydroxy-2-propanone SS



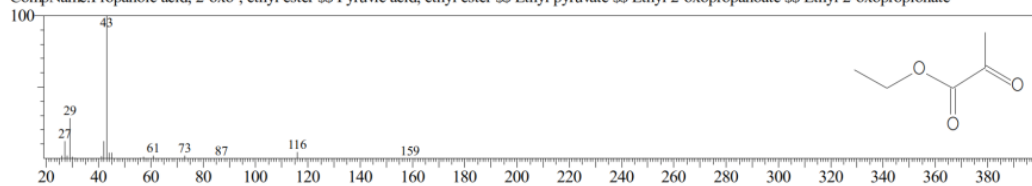
Hit#:3 Entry:3525 Library:NIST62.LIB
SI:85 Formula:C6H14O2 CAS:29914-92-9 MolWeight:118 RetIndex:0
CompName:Peroxide, dipropyl SS Propyl peroxide



Hit#:4 Entry:11039 Library:WILEY229.LIB
SI:85 Formula:C6H14O2 CAS:29914-92-9 MolWeight:118 RetIndex:0
CompName:Peroxide, dipropyl (CAS) Propyl peroxide SS DI-N-PROPYL PEROXIDE SS



Hit#:5 Entry:3211 Library:NIST62.LIB
SI:84 Formula:C5H8O3 CAS:617-35-6 MolWeight:116 RetIndex:0
CompName:Propanoic acid, 2-oxo-, ethyl ester SS Pyruvic acid, ethyl ester SS Ethyl pyruvate SS Ethyl 2-oxopropanoate SS Ethyl 2-oxopropionate



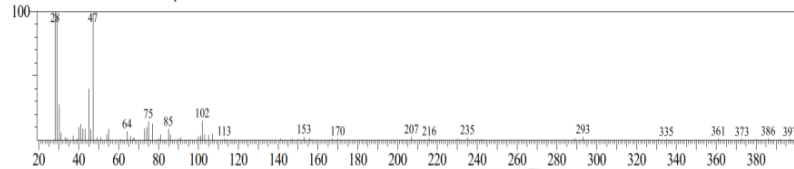
Lampiran 8. Lanjutan...

<< Target >>

Line# 2 R.Time: 4.008 (Scan# 98) MassPeaks: 64

RawMode: Averaged 4.000-4.017 (97-99) BasePeak: 28.05 (3662)

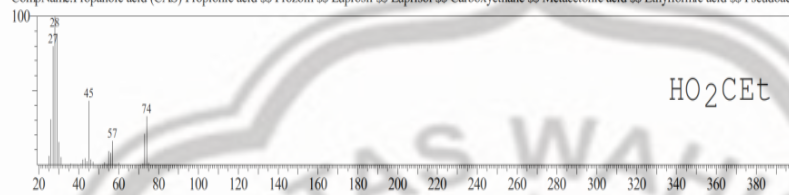
BG Mode: Calc. from Peak Group 1 - Event 1



Hit# 1 Entry: 1405 Library: WILEY229.LIB

SI: 74 Formula: C₃H₆O₂ CAS: 79-09-4 MolWeight: 74 RetIndex: 0

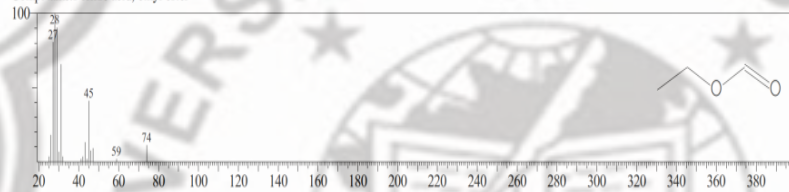
CompName: Propanoic acid (CAS) Propionic acid SS Prozin SS Luprosil SS Carboxyethane SS Metacetic acid SS Ethylformic acid SS Pseudoacetic acid SS Ethanecarboxylic acid SS Methylacetic



Hit# 2 Entry: 316 Library: NIST12.LIB

SI: 71 Formula: C₃H₆O₂ CAS: 109-94-4 MolWeight: 74 RetIndex: 0

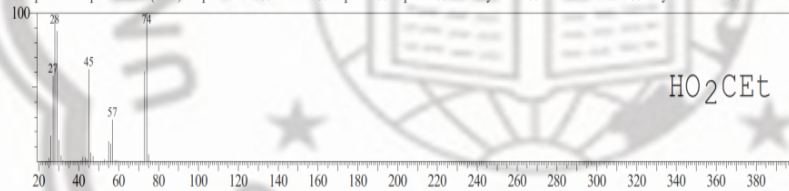
CompName: Formic acid, ethyl ester



Hit# 3 Entry: 1404 Library: WILEY229.LIB

SI: 70 Formula: C₃H₆O₂ CAS: 79-09-4 MolWeight: 74 RetIndex: 0

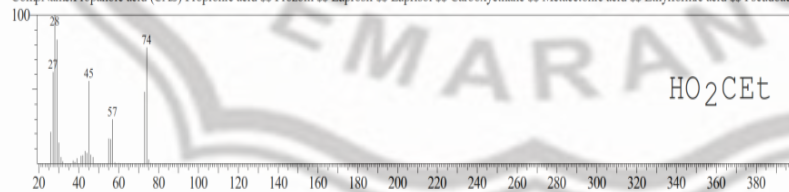
CompName: Propanoic acid (CAS) Propionic acid SS Prozin SS Luprosil SS Carboxyethane SS Metacetic acid SS Ethylformic acid SS Pseudoacetic acid SS Ethanecarboxylic acid SS Methylacetic



Hit# 4 Entry: 1406 Library: WILEY229.LIB

SI: 70 Formula: C₃H₆O₂ CAS: 79-09-4 MolWeight: 74 RetIndex: 0

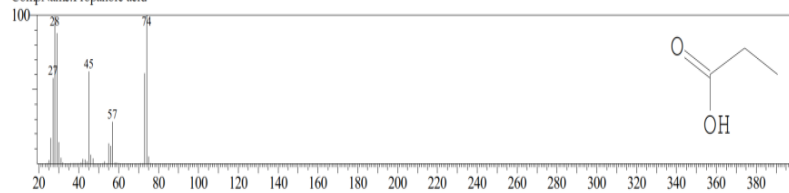
CompName: Propanoic acid (CAS) Propionic acid SS Prozin SS Luprosil SS Carboxyethane SS Metacetic acid SS Ethylformic acid SS Pseudoacetic acid SS Ethanecarboxylic acid SS Methylacetic



Hit# 5 Entry: 323 Library: NIST12.LIB

SI: 70 Formula: C₃H₆O₂ CAS: 79-09-4 MolWeight: 74 RetIndex: 0

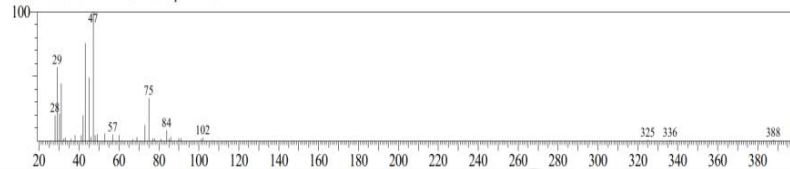
CompName: Propanoic acid



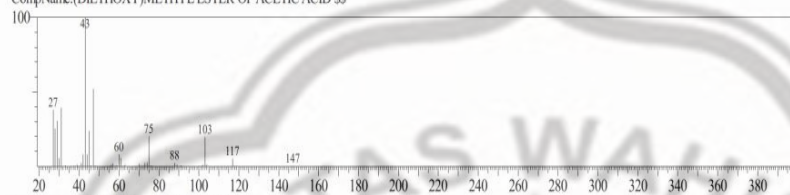
Lampiran 8. Lanjutan

<< Target >>

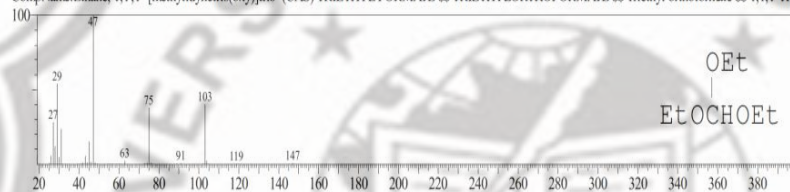
Line#:3 R.Time:4.075(Scan#:106) MassPeaks:36
RawMode:Averaged 4.067-4.083(105-107) BasePeak:47.00(6994)
BG Mode:Calc. from Peak Group 1 - Event 1



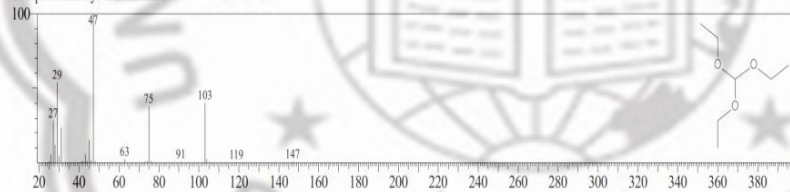
Hit#:1 Entry:36609 Library:WILEY229.LIB
SI:77 Formula:C7 H14 O4 CAS:0-00-0 MolWeight:162 RetIndex:0
CompName:(DIETHOXY)METHYL ESTER OF ACETIC ACID SS



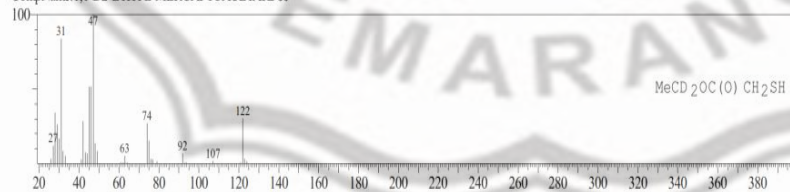
Hit#:2 Entry:26190 Library:WILEY229.LIB
SI:75 Formula:C7 H16 O3 CAS:122-51-0 MolWeight:148 RetIndex:0
CompName:Ethane, 1,1,1'-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLOROTHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



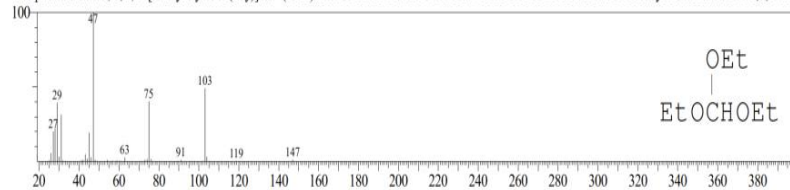
Hit#:3 Entry:4314 Library:NIST12.LIB
SI:75 Formula:C7H16O3 CAS:122-51-0 MolWeight:148 RetIndex:0
CompName:Ethyl orthoformate



Hit#:4 Entry:11465 Library:WILEY229.LIB
SI:74 Formula:C4 H6 D2 O2 S CAS:53907-47-4 MolWeight:120 RetIndex:0
CompName:1,1-D2-ETHYL-MERCAPTOACETATE SS



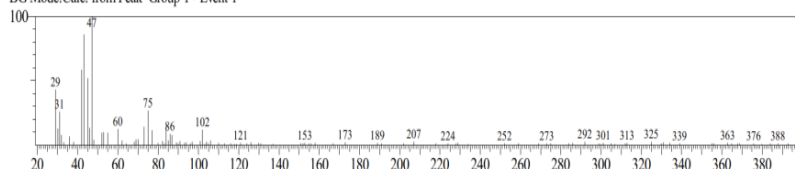
Hit#:5 Entry:26191 Library:WILEY229.LIB
SI:74 Formula:C7 H16 O3 CAS:122-51-0 MolWeight:148 RetIndex:0
CompName:Ethane, 1,1,1'-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLOROTHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



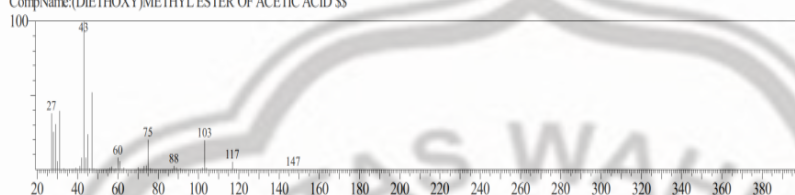
Lampiran 8. Lajutan

<< Target >>

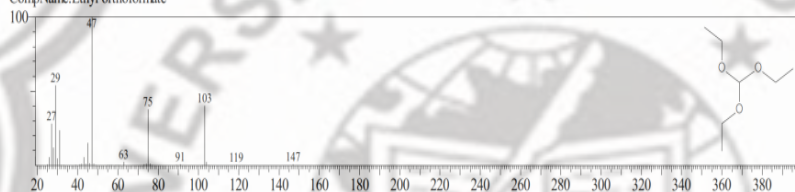
Line# 4 R Time: 4.192 (Scan#: 120) Mass Peaks: 104
Raw Mode: Averaged 4.183-4.200 (119-121) Base Peak: 47.00 (2918)
BG Mode: Calc. from Peak Group 1 - Event 1



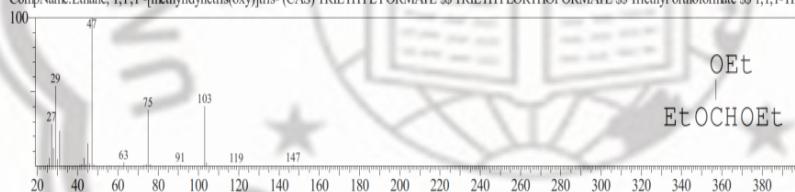
Hit#: 1 Entry: 36609 Library: WILEY229.LIB
SI: 69 Formula: C7 H14 O4 CAS: 0-00-0 MolWeight: 162 RetIndex: 0
CompName: (DIETHOXY)METHYL ESTER OF ACETIC ACID SS



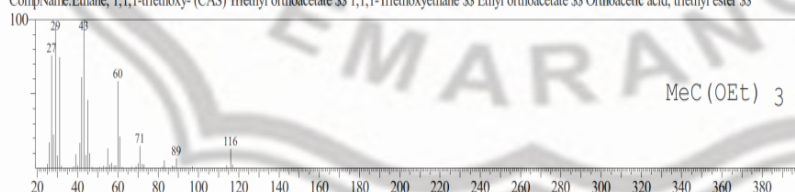
Hit#: 2 Entry: 4314 Library: NIST12.LIB
SI: 66 Formula: C7 H16 O3 CAS: 122-51-0 MolWeight: 148 RetIndex: 0
CompName: Ethyl orthoformate



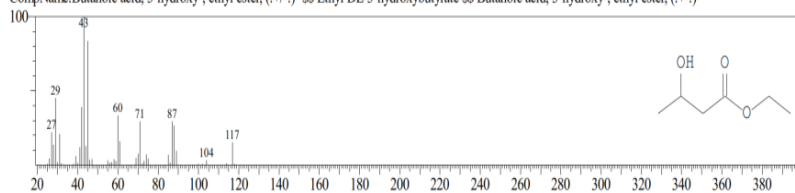
Hit#: 3 Entry: 26190 Library: WILEY229.LIB
SI: 66 Formula: C7 H16 O3 CAS: 122-51-0 MolWeight: 148 RetIndex: 0
CompName: Ethane, 1,1,1-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLORHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



Hit#: 4 Entry: 36727 Library: WILEY229.LIB
SI: 65 Formula: C8 H18 O3 CAS: 78-39-7 MolWeight: 162 RetIndex: 0
CompName: Ethane, 1,1,1-triethoxy- (CAS) Triethyl orthoacetate SS 1,1,1-Triethoxyethane SS Ethyl orthoacetate SS Orthoacetic acid, triethyl ester SS



Hit#: 5 Entry: 5781 Library: NIST62.LIB
SI: 65 Formula: C6 H12 O3 CAS: 35608-64-1 MolWeight: 132 RetIndex: 0
CompName: Butanoic acid, 3-hydroxy-, ethyl ester, (+/-)- SS Ethyl DL-3-hydroxybutyrate SS Butanoic acid, 3-hydroxy-, ethyl ester, (+/-)-



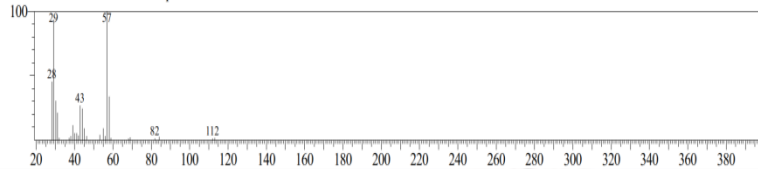
Lampiran 8. Lanjutan...

<< Target >>

Line#:5 R.Time:9.308(Scan#:734) MassPeaks:27

RawMode:Averaged 9.300-9.317(733-735) BasePeak:57.00(22900)

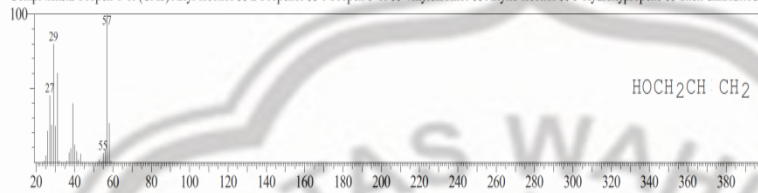
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:450 Library:WILEY229.LIB

SE:86 Formula:C3 H6 O CAS:107-18-6 MolWeight:58 RetIndex:0

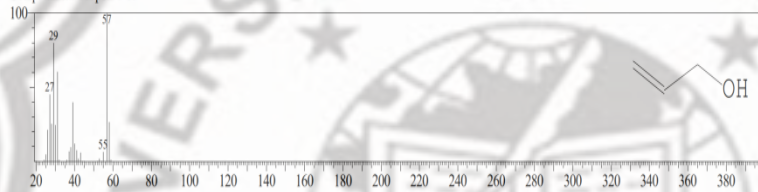
CompName:2-Propen-1-ol (CAS) Allyl alcohol SS 2-Propenol SS 1-Propen-3-ol SS Vinylcarbinol SS Allylic alcohol SS 3-Hydroxypropene SS Shell unkrattod A SS 2-Propenyl alcohol SS 3-Hydroxy-1-propene S



Hit#:2 Entry:94 Library:NIST12.LIB

SE:86 Formula:C3H6O CAS:107-18-6 MolWeight:58 RetIndex:0

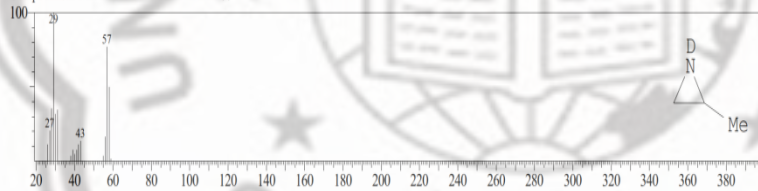
CompName:2-Propen-1-ol



Hit#:3 Entry:396 Library:WILEY229.LIB

SE:85 Formula:C3H6DN CAS:21031-18-5 MolWeight:57 RetIndex:0

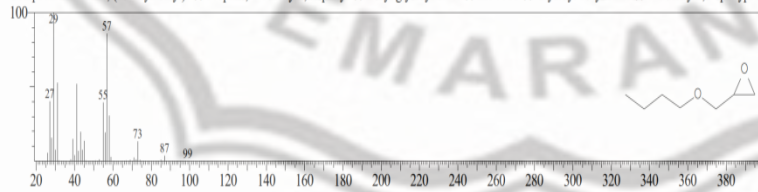
CompName:2-METHYL-1-DI-AZIRIDINE SS



Hit#:4 Entry:5464 Library:NIST62.LIB

SE:84 Formula:C7H14O2 CAS:2426-08-6 MolWeight:130 RetIndex:0

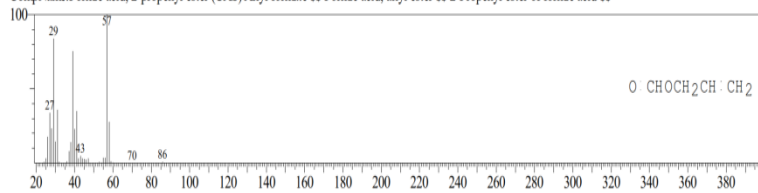
CompName:Oxirane, (butoxymethyl)- SS Propane, 1-butoxy-2,3-epoxy- SS Butyl glycidyl ether SS Eri 0810 SS Glycidyl butyl ether SS 1-Butoxy-2,3-epoxypropane SS 2,3-Epoxypropyl butyl ether SS 3-Butoxy-1



Hit#:5 Entry:2600 Library:WILEY229.LIB

SE:84 Formula:C4 H6 O2 CAS:1838-59-1 MolWeight:86 RetIndex:0

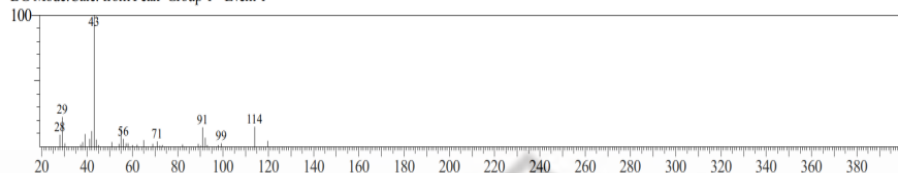
CompName:Formic acid, 2-propenyl ester (CAS) Allyl formate SS Formic acid, allyl ester SS 2-Propenyl ester of formic acid SS



Lampiran 8. Lanjutan...

<< Target >>

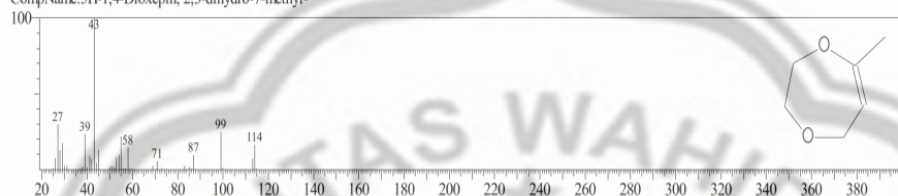
Line#:6 R.Time:10.917(Scan#:927) MassPeaks:34
RawMode:Averaged 10.908-10.925(926-928) BasePeak:43.00(14492)
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#1 Entry:2922 Library:NIST62.LIB

SI:77 Formula:C6H10O2 CAS:38653-35-9 MolWeight:114 RetIndex:0

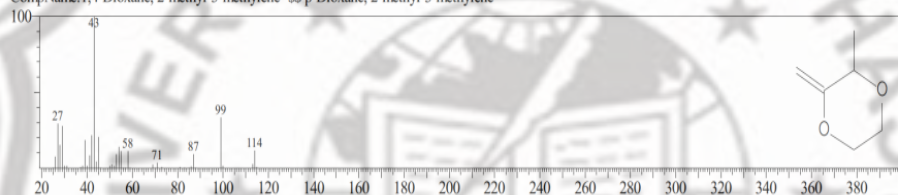
CompName:5H-1,4-Dioxepin, 2,3-dihydro-7-methyl-



Hit#2 Entry:2881 Library:NIST62.LIB

SI:77 Formula:C6H10O2 CAS:28125-74-8 MolWeight:114 RetIndex:0

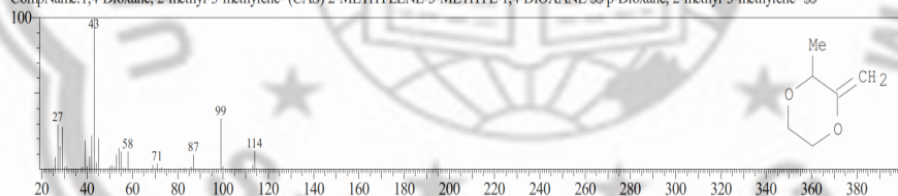
CompName:1,4-Dioxane, 2-methyl-3-methylene- SS p-Dioxane, 2-methyl-3-methylene-



Hit#3 Entry:9314 Library:WILEY229.LIB

SI:77 Formula:C6H10O2 CAS:28125-74-8 MolWeight:114 RetIndex:0

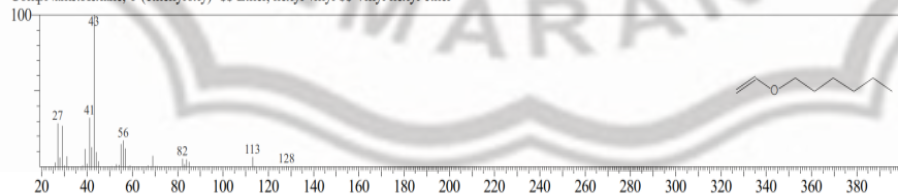
CompName:1,4-Dioxane, 2-methyl-3-methylene- (CAS) 2-METHYLENE-3-METHYL-1,4-DIOXANE SS p-Dioxane, 2-methyl-3-methylene- SS



Hit#4 Entry:5102 Library:NIST62.LIB

SI:77 Formula:C8H16O CAS:5363-64-4 MolWeight:128 RetIndex:0

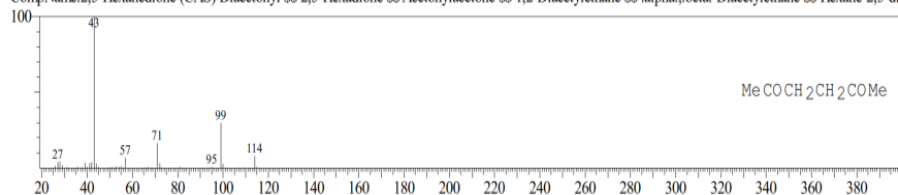
CompName:Hexane, 1-(ethenyl)- SS Ether, hexyl vinyl SS Vinyl hexyl ether



Hit#5 Entry:9259 Library:WILEY229.LIB

SI:77 Formula:C6H10O2 CAS:110-13-4 MolWeight:114 RetIndex:0

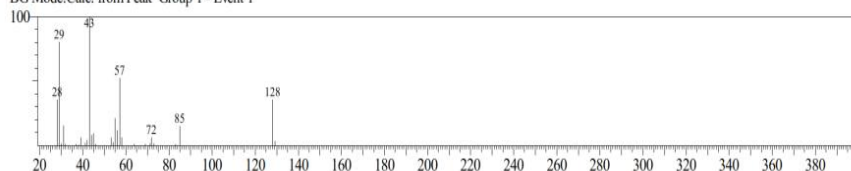
CompName:2,5-Hexanedione (CAS) Diacetyl SS 2,5-Hexanedione SS Acetylacetone SS 1,2-Diacetylthane SS .alpha.,.beta.-Diacetylthane SS Hexane-2,5-dione SS 2,5-Dioxohexane SS



Lampiran 8. Lanjutan...

<< Target >>

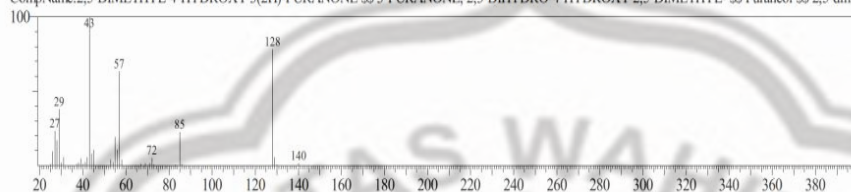
Line#:7 R.Time:11.425(Scan#:988) MassPeaks:29
RawMode:Averaged 11.417-11.433(987-989) BasePeak:43.00(15875)
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:14759 Library:WILEY229.LIB

SI:89 Formula:C6 H8 O3 CAS:3658-77-3 MolWeight:128 RetIndex:0

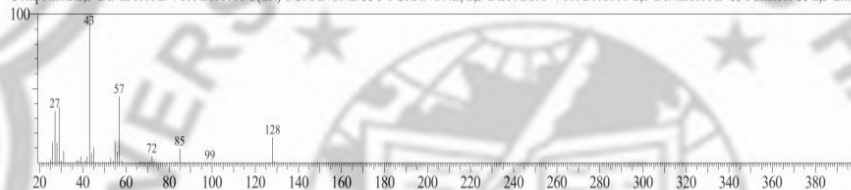
CompName:2,5-DIMETHYL-4-HYDROXY-3(2H)-FURANONE SS 3-FURANONE, 2,3-DIHYDRO-4-HYDROXY-2,5-DIMETHYL- SS Furanol SS 2,5-dimethyl-4-hydroxy-3[2H]-furanone SS



Hit#:2 Entry:14757 Library:WILEY229.LIB

SI:89 Formula:C6 H8 O3 CAS:3658-77-3 MolWeight:128 RetIndex:0

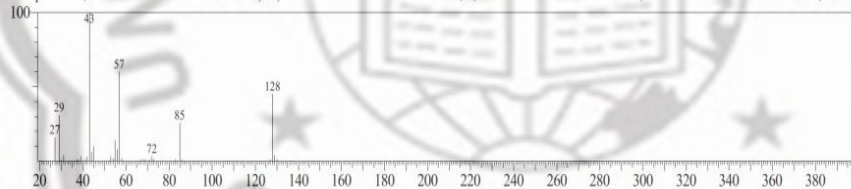
CompName:2,5-DIMETHYL-4-HYDROXY-3(2H)-FURANONE SS 3-FURANONE, 2,3-DIHYDRO-4-HYDROXY-2,5-DIMETHYL- SS Furanol SS 2,5-dimethyl-4-hydroxy-3[2H]-furanone SS



Hit#:3 Entry:14758 Library:WILEY229.LIB

SI:85 Formula:C6 H8 O3 CAS:3658-77-3 MolWeight:128 RetIndex:0

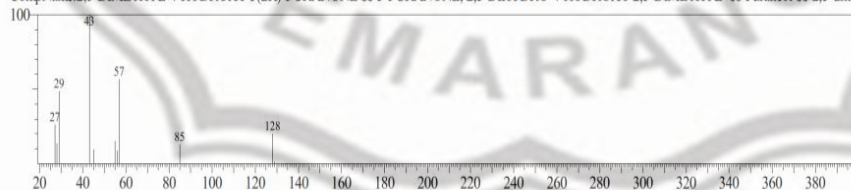
CompName:2,5-DIMETHYL-4-HYDROXY-3(2H)-FURANONE SS 3-FURANONE, 2,3-DIHYDRO-4-HYDROXY-2,5-DIMETHYL- SS Furanol SS 2,5-dimethyl-4-hydroxy-3[2H]-furanone SS



Hit#:4 Entry:14760 Library:WILEY229.LIB

SI:82 Formula:C6 H8 O3 CAS:3658-77-3 MolWeight:128 RetIndex:0

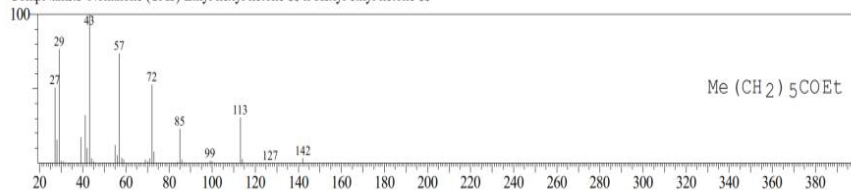
CompName:2,5-DIMETHYL-4-HYDROXY-3(2H)-FURANONE SS 3-FURANONE, 2,3-DIHYDRO-4-HYDROXY-2,5-DIMETHYL- SS Furanol SS 2,5-dimethyl-4-hydroxy-3[2H]-furanone SS



Hit#:5 Entry:23196 Library:WILEY229.LIB

SI:81 Formula:C9 H18 O CAS:925-78-0 MolWeight:142 RetIndex:0

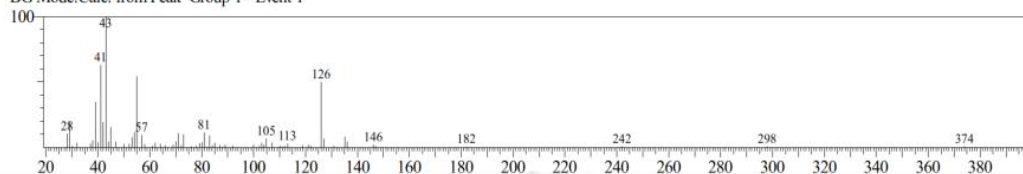
CompName:3-Nonanone (CAS) Ethyl hexyl ketone SS n-Hexyl ethyl ketone SS



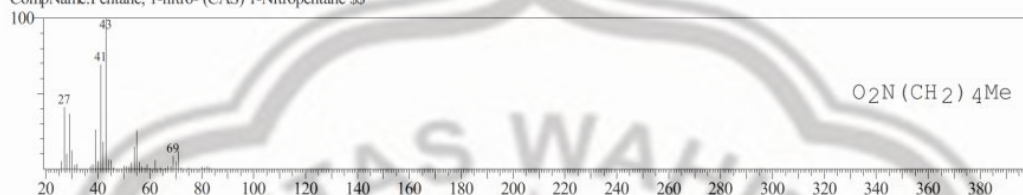
Lampiran 8. Lanjutan..

<< Target >>

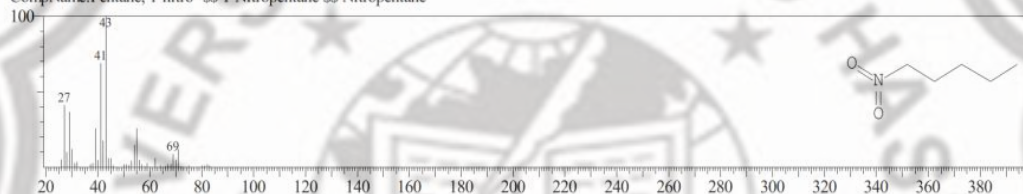
Line#:8 R.Time:12.042(Scan#:1062) MassPeaks:67
RawMode:Averaged 12.033-12.050(1061-1063) BasePeak:43.00(6365)
BG Mode:Calc. from Peak Group 1 - Event 1



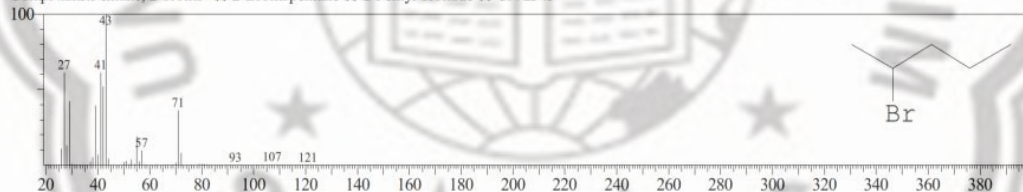
Hit#:1 Entry:10695 Library:WILEY229.LIB
SI:77 Formula:C5H11NO2 CAS:628-05-7 MolWeight:117 RetIndex:0
CompName:Pentane, 1-nitro- (CAS) 1-Nitropentane SS



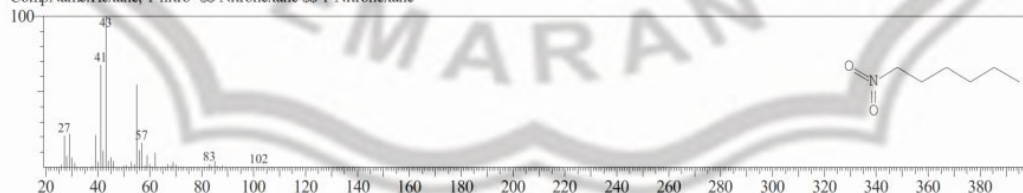
Hit#:2 Entry:3402 Library:NIST62.LIB
SI:76 Formula:C5H11NO2 CAS:628-05-7 MolWeight:117 RetIndex:0
CompName:Pentane, 1-nitro- SS 1-Nitropentane SS Nitropentane



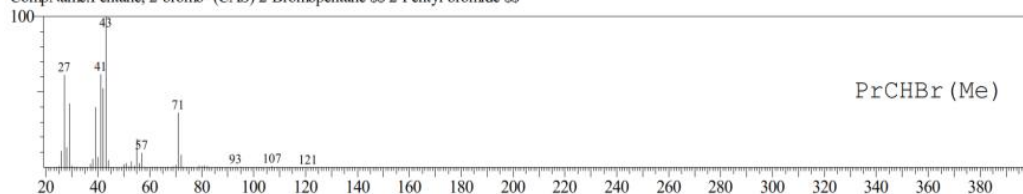
Hit#:3 Entry:9581 Library:NIST62.LIB
SI:76 Formula:C5H11Br CAS:107-81-3 MolWeight:150 RetIndex:0
CompName:Pentane, 2-bromo- SS 2-Bromopentane SS 2-Pentyl bromide SS UN 2343



Hit#:4 Entry:5621 Library:NIST62.LIB
SI:76 Formula:C6H13NO2 CAS:646-14-0 MolWeight:131 RetIndex:0
CompName:Hexane, 1-nitro- SS Nitrohexane SS 1-Nitrohexane



Hit#:5 Entry:27157 Library:WILEY229.LIB
SI:75 Formula:C5H11Br CAS:107-81-3 MolWeight:150 RetIndex:0
CompName:Pentane, 2-bromo- (CAS) 2-Bromopentane SS 2-Pentyl bromide SS



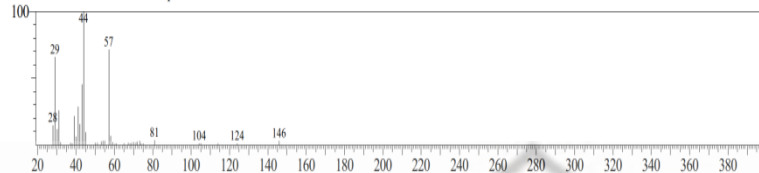
Lampiran 8. Lanjutan...

<< Target >>

Line# 9 R.Time: 12.700 (Scan#: 1141) MassPeaks: 40

RawMode: Averaged 12.692-12.708 (1140-1142) BasePeak: 44.00 (15446)

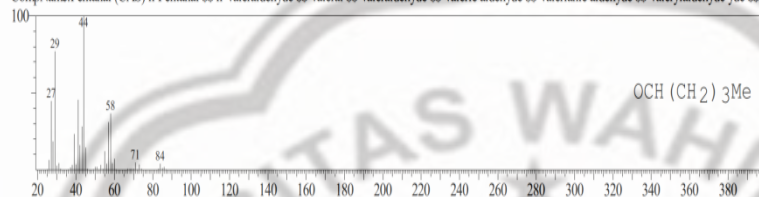
BG Mode: Calc. from Peak Group 1 - Event 1



Hit#1 Entry: 2686 Library: WILEY229.LIB

SE: 87 Formula: C₅H₁₀O CAS: 110-62-3 MolWeight: 86 RetIndex: 0

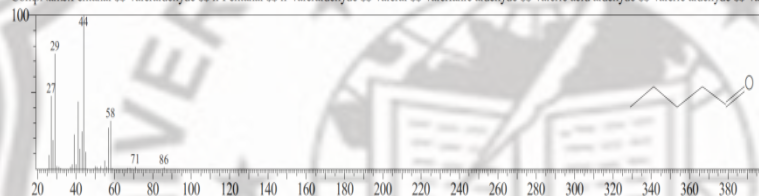
CompName: Pentanal (CAS) n-Pentanal SS n-Valeraldehyde SS Valeral SS Valeraldehyde SS Valeric aldehyde SS Valerianic aldehyde SS Valerylaldehyde yde SS Valeric acid aldehyde SS 1-pentanal SS



Hit#2 Entry: 692 Library: NIST62.LIB

SE: 86 Formula: C₅H₁₀O CAS: 110-62-3 MolWeight: 86 RetIndex: 0

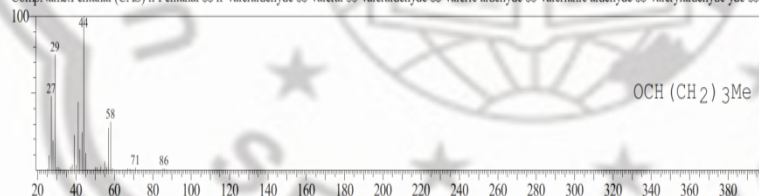
CompName: Pentanal (CAS) n-Pentanal SS n-Valeraldehyde SS Valeral SS Valerianic aldehyde SS Valeric aldehyde SS Valerylaldehyde yde SS n-C4H9CHO SS Amyl aldehyde SS



Hit#3 Entry: 2682 Library: WILEY229.LIB

SE: 86 Formula: C₅H₁₀O CAS: 110-62-3 MolWeight: 86 RetIndex: 0

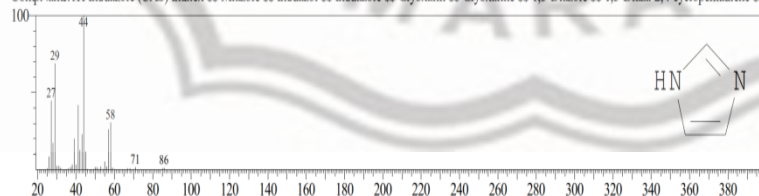
CompName: Pentanal (CAS) n-Pentanal SS n-Valeraldehyde SS Valeral SS Valerianic aldehyde SS Valeric aldehyde SS Valerylaldehyde yde SS Valeric acid aldehyde SS 1-pentanal SS



Hit#4 Entry: 826 Library: WILEY229.LIB

SE: 86 Formula: C₃H₄N₂ CAS: 288-32-4 MolWeight: 68 RetIndex: 0

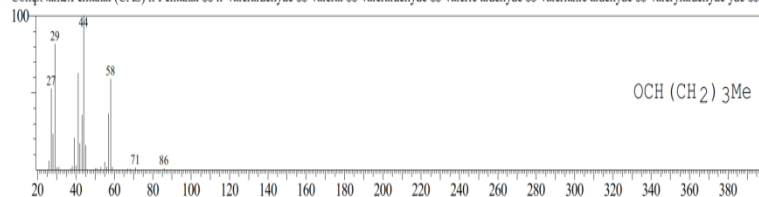
CompName: 1H-Imidazole (CAS) Imutex SS Miazole SS Imidazol SS Imidazole SS Glyoxalin SS Glyoxaline SS 1,3-Diazole SS 1,3-Diaza-2,4-cyclopentadiene SS Methanimidamide, N,N'-1,2-ethenediyl- SS



Hit#5 Entry: 2683 Library: WILEY229.LIB

SE: 85 Formula: C₅H₁₀O CAS: 110-62-3 MolWeight: 86 RetIndex: 0

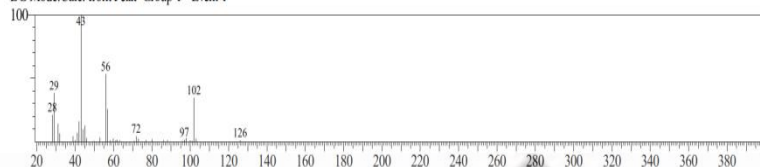
CompName: Pentanal (CAS) n-Pentanal SS n-Valeraldehyde SS Valeral SS Valerianic aldehyde SS Valeric aldehyde SS Valerylaldehyde yde SS Valeric acid aldehyde SS 1-pentanal SS



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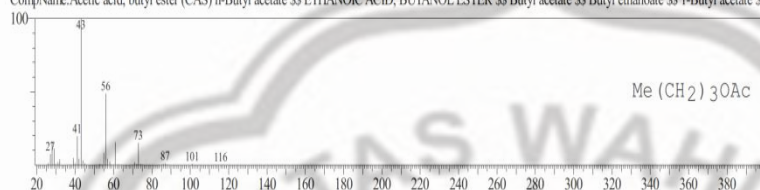
Line#:10 R.Time:13.925(Scan#:1288) MassPeaks:36
RawMode:Averaged 13.917-13.933(1287-1289) BasePeak:43.00(9409)
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:10232 Library:WILEY229.LIB

SE:80 Formula:C6 H12 O2 CAS:123-86-4 MolWeight:116 RetIndex:0

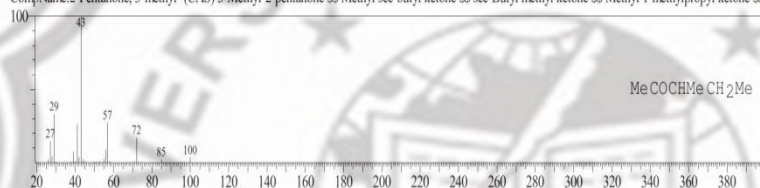
CompName:Acetic acid, butyl ester (CAS) n-Butyl acetate \$\$ ETHANOIC ACID, BUTANOL ESTER \$\$ Butyl acetate \$\$ Butyl ethanoate \$\$ 1-Butyl acetate \$\$ Acetic acid butyl ester \$\$ Butyl ester of acetic acid



Hit#:2 Entry:5380 Library:WILEY229.LIB

SE:79 Formula:C6 H12 O CAS:565-61-7 MolWeight:100 RetIndex:0

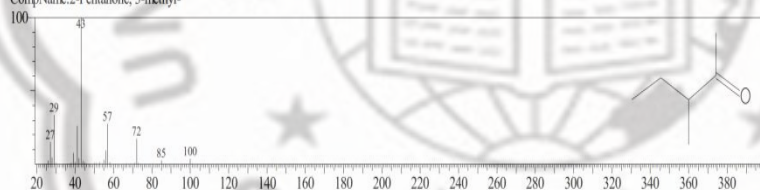
CompName:2-Pentanone, 3-methyl- (CAS) 3-Methyl-2-pentanone \$\$ Methyl sec-butyl ketone \$\$ sec-Butyl methyl ketone \$\$ Methyl 1-methylpropyl ketone \$\$ 3-Methylpentan-2-one \$\$ METHYL ISO-BUTYL



Hit#:3 Entry:1129 Library:NIST12.LIB

SE:79 Formula:C6 H12 O CAS:565-61-7 MolWeight:100 RetIndex:0

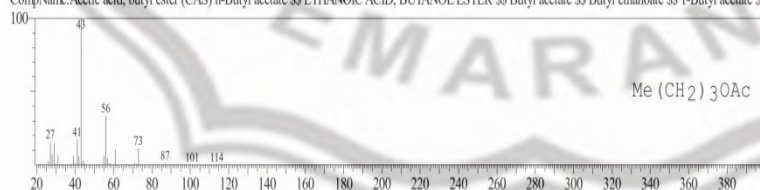
CompName:2-Pentanone, 3-methyl-



Hit#:4 Entry:10234 Library:WILEY229.LIB

SE:79 Formula:C6 H12 O2 CAS:123-86-4 MolWeight:116 RetIndex:0

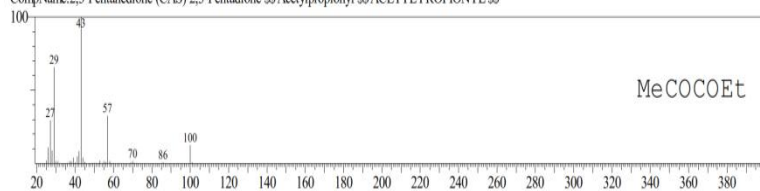
CompName:Acetic acid, butyl ester (CAS) n-Butyl acetate \$\$ ETHANOIC ACID, BUTANOL ESTER \$\$ Butyl acetate \$\$ Butyl ethanoate \$\$ 1-Butyl acetate \$\$ Acetic acid butyl ester \$\$ Butyl ester of acetic acid



Hit#:5 Entry:5168 Library:WILEY229.LIB

SE:79 Formula:C5 H8 O2 CAS:600-14-6 MolWeight:100 RetIndex:0

CompName:2,3-Pentanedione (CAS) 2,3-Pentadione \$\$ Acetylpropionyl \$\$ ACETYL PROPIONYL \$\$



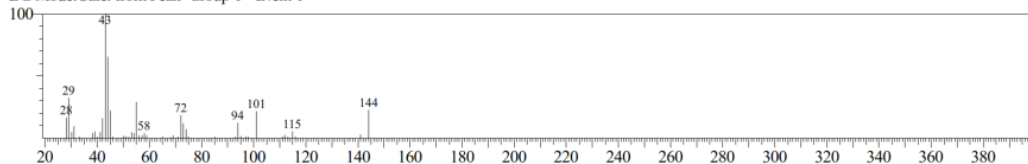
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<< Target >>

Line#:11 R.Time:14.358(Scan#:1340) MassPeaks:46

RawMode:Averaged 14.350-14.367(1339-1341) BasePeak:43.00(14536)

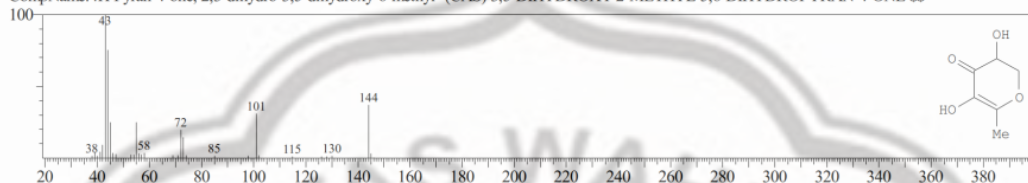
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:23785 Library:WILEY229.LIB

SI:82 Formula:C6 H8 O4 CAS:28564-83-2 MolWeight:144 RetIndex:0

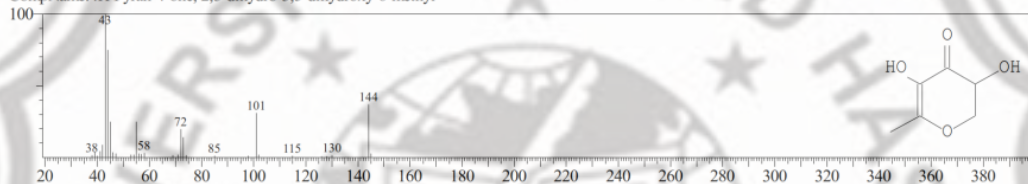
CompName:4H-Pyran-4-one, 2,3-dihydro-3,5-dihydroxy-6-methyl- (CAS) 3,5-DIHYDROXY-2-METHYL-5,6-DIHYDROPYRAN-4-ONE SS



Hit#:2 Entry:8275 Library:NIST62.LIB

SI:82 Formula:C6H8O4 CAS:28564-83-2 MolWeight:144 RetIndex:0

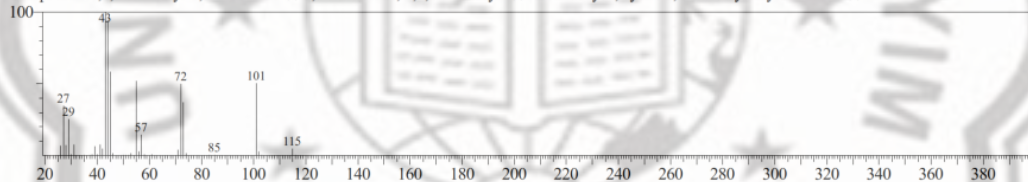
CompName:4H-Pyran-4-one, 2,3-dihydro-3,5-dihydroxy-6-methyl-



Hit#:3 Entry:10328 Library:WILEY229.LIB

SI:81 Formula:C6 H12 O2 CAS:3299-32-9 MolWeight:116 RetIndex:0

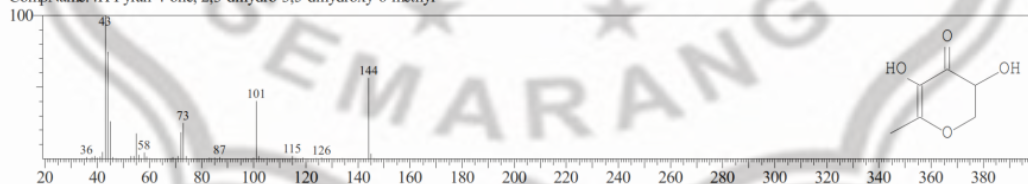
CompName:2,4,5-trimethyl-1,3-dioxolane SS 1,3-Dioxolane, 2,4,5-trimethyl- SS Acetaldehyde, cyclic 1,2-dimethylethylene acetal SS



Hit#:4 Entry:4037 Library:NIST12.LIB

SI:80 Formula:C6H8O4 CAS:28564-83-2 MolWeight:144 RetIndex:0

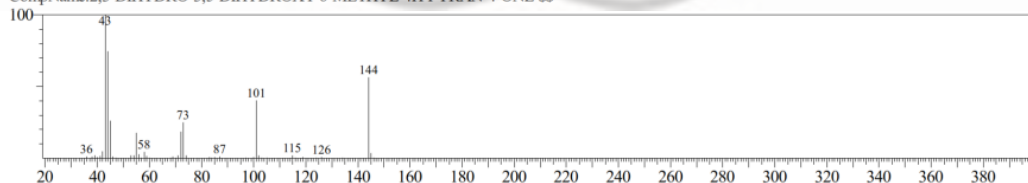
CompName:4H-Pyran-4-one, 2,3-dihydro-3,5-dihydroxy-6-methyl-



Hit#:5 Entry:23795 Library:WILEY229.LIB

SI:80 Formula:C6 H8 O4 CAS:0-00-0 MolWeight:144 RetIndex:0

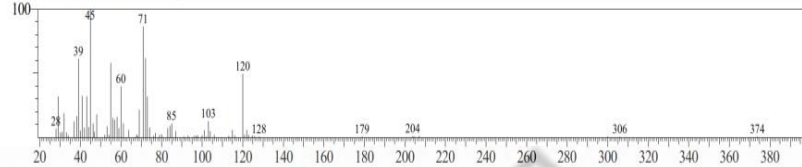
CompName:2,3-DIHYDRO-3,5-DIHYDROXY-6-METHYL-4H-PYRAN-4-ONE SS



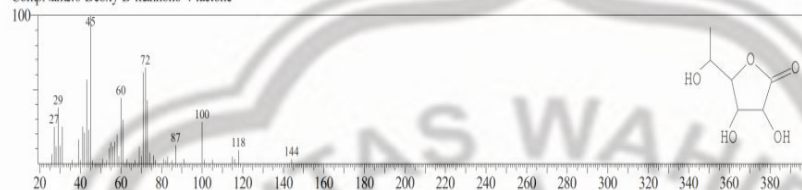
Lampiran 8. Lanjutan...

<< Target >>

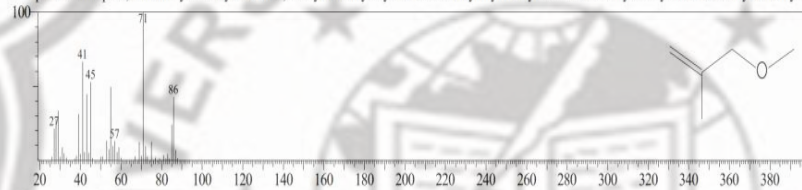
Line#:12 R.Time:15.217(Scan#:1443) MassPeaks:73
RawMode:Averaged 15.208-15.225(1442-1444) BasePeak:44.95(6197)
BG Mode:Calc. from Peak Group 1 - Event 1



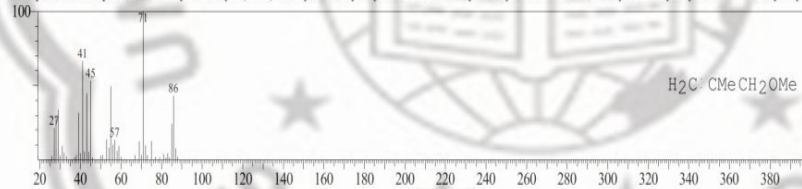
Hit#:1 Entry:12776 Library:NIST62.LIB
SE:76 Formula:C6H10O5 CAS:20031-16-7 MolWeight:162 RetIndex:0
CompName:6-Deoxy-D-mannono-4-lactone



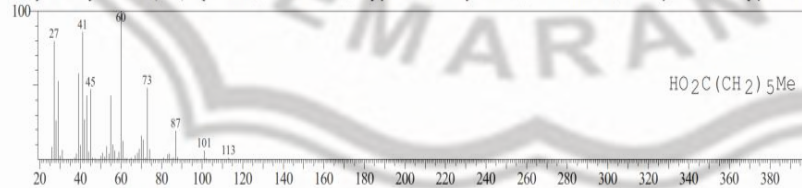
Hit#:2 Entry:699 Library:NIST62.LIB
SE:73 Formula:C5H10O CAS:22418-49-1 MolWeight:86 RetIndex:0
CompName:1-Propene, 3-methoxy-2-methyl- SS Ether, methyl 2-methylallyl SS .beta.-Methylallyl methyl ether SS Methylallyl methyl ether SS Methyl 2-methylallyl ether SS 3-Methoxy-2-methyl-1-propene



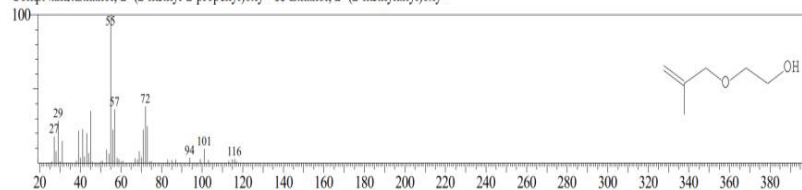
Hit#:3 Entry:2821 Library:WILEY229.LIB
SE:73 Formula:C5 H10 O CAS:22418-49-1 MolWeight:86 RetIndex:0
CompName:1-Propene, 3-methoxy-2-methyl- (CAS) Methyl 2-methylallyl ether SS Methylallyl methyl ether SS Ether, methyl 2-methylallyl SS .beta.-Methylallyl methyl ether SS 3-Methoxy-2-methyl-1-propene SS



Hit#:4 Entry:16074 Library:WILEY229.LIB
SE:73 Formula:C7 H14 O2 CAS:111-14-8 MolWeight:130 RetIndex:0
CompName:Heptanoic acid (CAS) Heptanoic acid SS Enanthic acid SS Heptylic acid SS n-Heptoic acid SS Oenanthic acid SS Enanthylic acid SS n-Heptylic acid SS n-Heptanoic acid SS Oenanthylic acid SS 1-Hexa



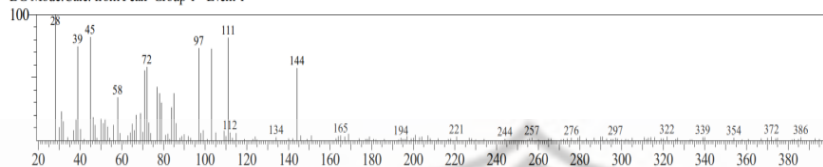
Hit#:5 Entry:3284 Library:NIST62.LIB
SE:71 Formula:C6H12O2 CAS:5175-48-4 MolWeight:116 RetIndex:0
CompName:Ethanol, 2-(2-methyl-2-propenyl)oxy - SS Ethanol, 2-(2-methylallyl)oxy -



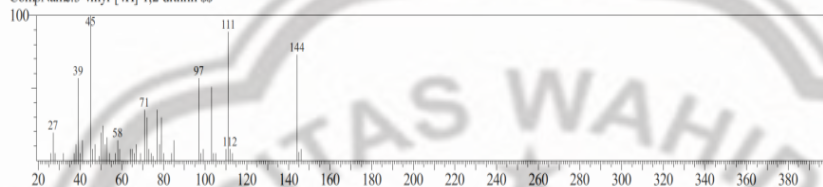
Lampiran 8. Lanjutan

<< Target >>

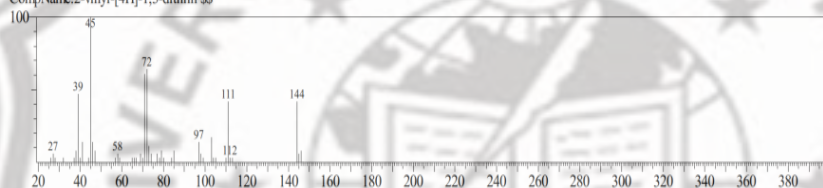
Line#:13 R.Time:15.942(Scan#:1530) MassPeaks:156
RawMode:Averaged 15.933-15.950(1529-1531) BasePeak:28.05(1744)
BG Mode:Calc. from Peak Group 1 - Event 1



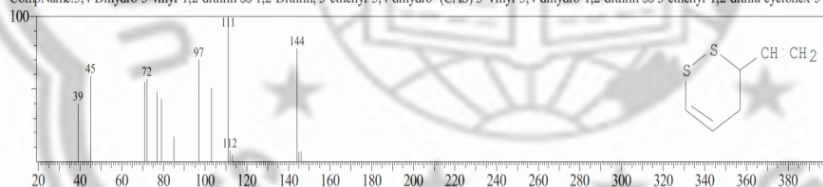
Hit#:1 Entry:23804 Library:WILEY229.LIB
SI:81 Formula:C6 H8 S2 CAS:0-00-0 MolWeight:144 RetIndex:0
CompName:3-vinyl-[4H]-1,2-dithiin SS



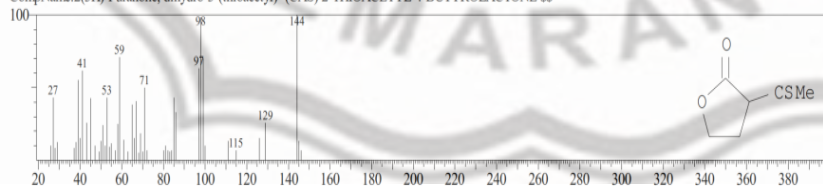
Hit#:2 Entry:23805 Library:WILEY229.LIB
SI:71 Formula:C6 H8 S2 CAS:0-00-0 MolWeight:144 RetIndex:0
CompName:2-vinyl-[4H]-1,3-dithiin SS



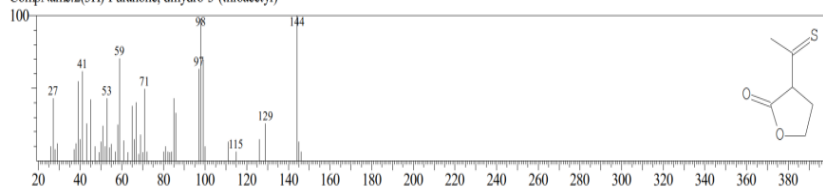
Hit#:3 Entry:23799 Library:WILEY229.LIB
SI:65 Formula:C6 H8 S2 CAS:62488-53-3 MolWeight:144 RetIndex:0
CompName:3,4-Dihydro-3-vinyl-1,2-dithiin 1,2-Dithiin, 3-ethenyl-3,4-dihydro- (CAS) 3-Vinyl-3,4-dihydro-1,2-dithiin SS 3-ethenyl-1,2-dithia-cyclohex-5-ene SS 3-Vinyl-1,2-dithia-5-cyclohexene SS



Hit#:4 Entry:23758 Library:WILEY229.LIB
SI:62 Formula:C6 H8 O2 S CAS:20632-96-6 MolWeight:144 RetIndex:0
CompName:2(3H)-Furanone, dihydro-3-(thioacetyl)- (CAS) 2-THIOACETYL-4-BUTYROLACTONE SS



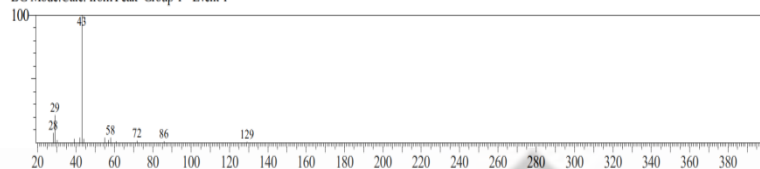
Hit#:5 Entry:8268 Library:NIST62.LIB
SI:62 Formula:C6H8O2S CAS:20632-96-6 MolWeight:144 RetIndex:0
CompName:2(3H)-Furanone, dihydro-3-(thioacetyl)-



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<< Target >>

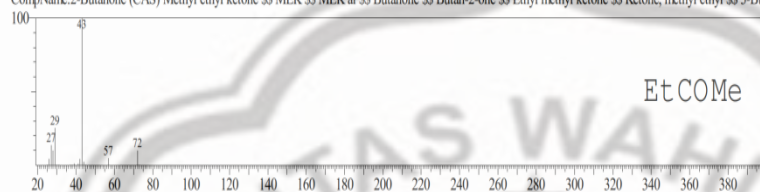
Line#:14 R.Time:16.208(Scan#:1562) MassPeaks:14
RawMode:Averaged 16.200-16.217(1561-1563) BasePeak:43.00(58676)
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:1150 Library:WILEY229.LIB

SI:91 Formula:C4 H8 O CAS:78-93-3 MolWeight:72 RetIndex:0

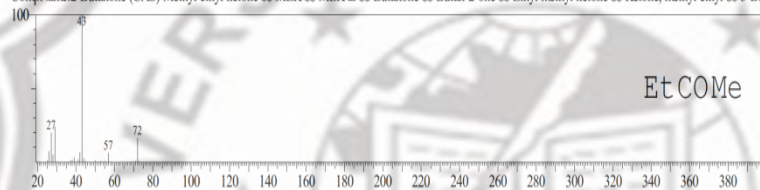
CompName:2-Butanone (CAS) Methyl ethyl ketone SS MEK SS MEK al SS Butanone SS Butan-2-one SS Ethyl methyl ketone SS Ketone, methyl ethyl SS 3-Butanone SS 2-BUTANONE (METHYL ETHYL KET



Hit#:2 Entry:1158 Library:WILEY229.LIB

SI:91 Formula:C4 H8 O CAS:78-93-3 MolWeight:72 RetIndex:0

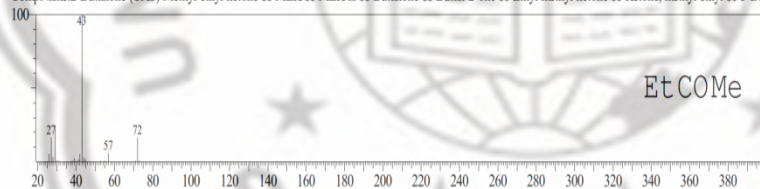
CompName:2-Butanone (CAS) Methyl ethyl ketone SS MEK SS MEK al SS Butanone SS Butan-2-one SS Ethyl methyl ketone SS Ketone, methyl ethyl SS 3-Butanone SS 2-BUTANONE (METHYL ETHYL KET



Hit#:3 Entry:1153 Library:WILEY229.LIB

SI:91 Formula:C4 H8 O CAS:78-93-3 MolWeight:72 RetIndex:0

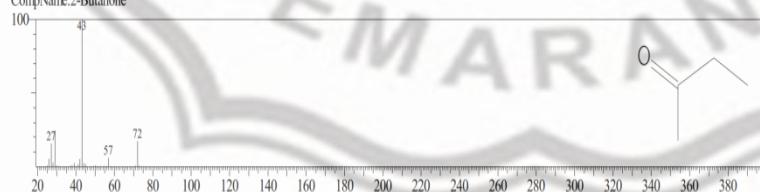
CompName:2-Butanone (CAS) Methyl ethyl ketone SS MEK SS MEK al SS Butanone SS Butan-2-one SS Ethyl methyl ketone SS Ketone, methyl ethyl SS 3-Butanone SS 2-BUTANONE (METHYL ETHYL KET



Hit#:4 Entry:258 Library:NIST12.LIB

SI:91 Formula:C4 H8 O CAS:78-93-3 MolWeight:72 RetIndex:0

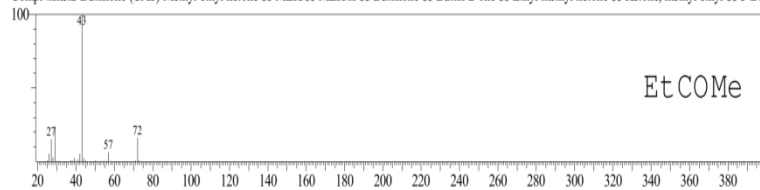
CompName:2-Butanone



Hit#:5 Entry:1156 Library:WILEY229.LIB

SI:91 Formula:C4 H8 O CAS:78-93-3 MolWeight:72 RetIndex:0

CompName:2-Butanone (CAS) Methyl ethyl ketone SS MEK SS MEK al SS Butanone SS Butan-2-one SS Ethyl methyl ketone SS Ketone, methyl ethyl SS 3-Butanone SS 2-BUTANONE (METHYL ETHYL KET



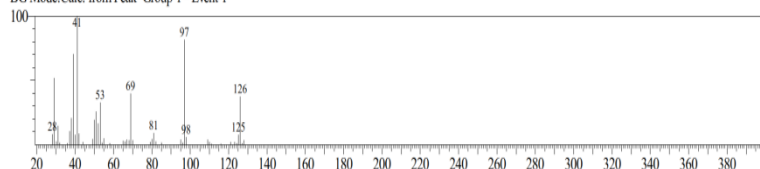
Lampiran 8. Lanjutan

<< Target >>

Line#:15 R.Time:17.183(Scan#:1679) MassPeaks:47

RawMode:Averaged 17.175-17.192(1678-1680) BasePeak:41.05(15057)

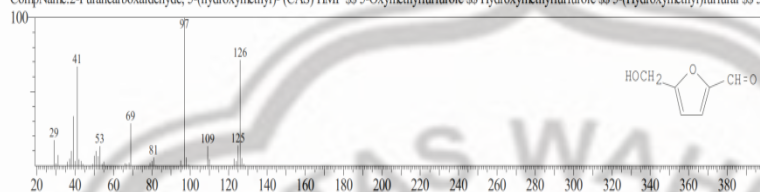
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:13658 Library:WILEY229.LIB

SE:83 Formula:C6 H6 O3 CAS:67-47-0 MolWeight:126 RetIndex:0

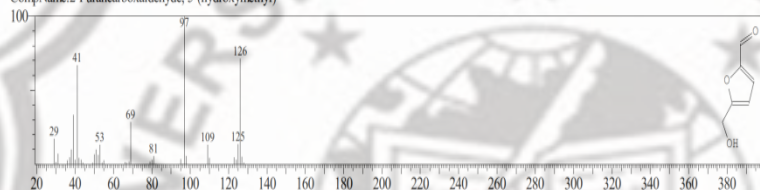
CompName:2-Furancarboxaldehyde, 5-(hydroxymethyl)- (CAS) HMF SS 5-Oxomethylfurfurole SS Hydroxymethylfurfurole SS 5-(Hydroxymethyl)furfural SS 5-Hydroxymethylfuraldehyde SS 5-(Hydroxymethyl)



Hit#:2 Entry:2625 Library:NIST12.LIB

SE:83 Formula:C6H6O3 CAS:67-47-0 MolWeight:126 RetIndex:0

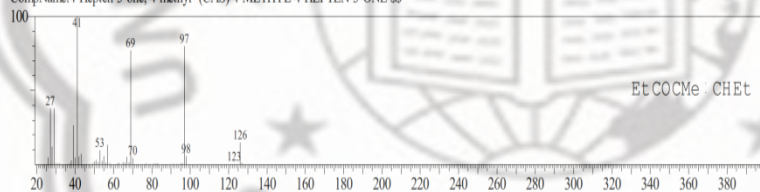
CompName:2-Furancarboxaldehyde, 5-(hydroxymethyl)-



Hit#:3 Entry:14000 Library:WILEY229.LIB

SE:82 Formula:C8 H14 O CAS:22319-31-9 MolWeight:126 RetIndex:0

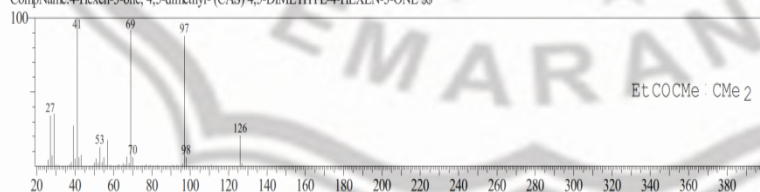
CompName:4-Hepten-3-one, 4-methyl- (CAS) 4-METHYL-4-HEPTEN-3-ONE SS



Hit#:4 Entry:14014 Library:WILEY229.LIB

SE:82 Formula:C8 H14 O CAS:17325-90-5 MolWeight:126 RetIndex:0

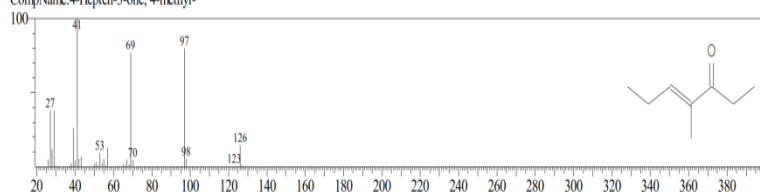
CompName:4-Hexen-3-one, 4,5-dimethyl- (CAS) 4,5-DIMETHYL-4-HEXEN-3-ONE SS



Hit#:5 Entry:4600 Library:NIST62.LIB

SE:82 Formula:C8H14O CAS:22319-31-9 MolWeight:126 RetIndex:0

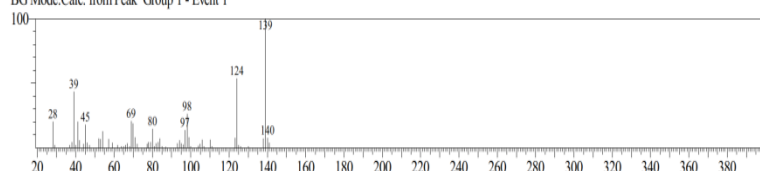
CompName:4-Hepten-3-one, 4-methyl-



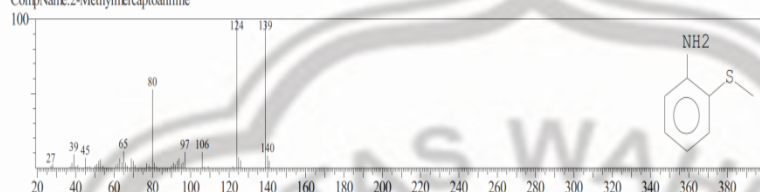
Lampiran 8. Lanjutan

<< Target >>

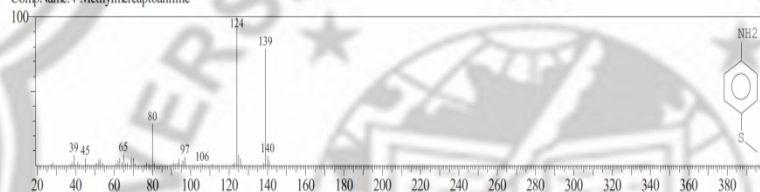
Line#:16 R.Time:17.667(Scan#:1737) MassPeaks:60
RawMode:Averaged 17.658-17.675(1736-1738) BasePeak:139.05(10337)
BG Mode:Calc. from Peak Group 1 - Event 1



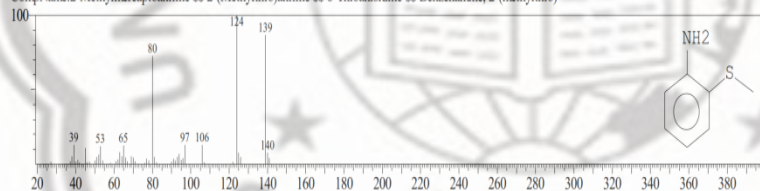
Hit#:1 Entry:3734 Library:NIST12.LIB
SI:72 Formula:C7H9NS CAS:2987-53-3 MolWeight:139 RetIndex:0
CompName:2-Methylmercaptaniline



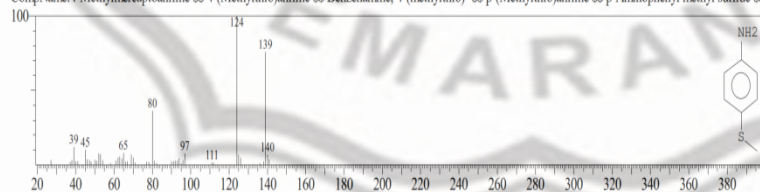
Hit#:2 Entry:3733 Library:NIST12.LIB
SI:71 Formula:C7H9NS CAS:104-96-1 MolWeight:139 RetIndex:0
CompName:4-Methylmercaptaniline



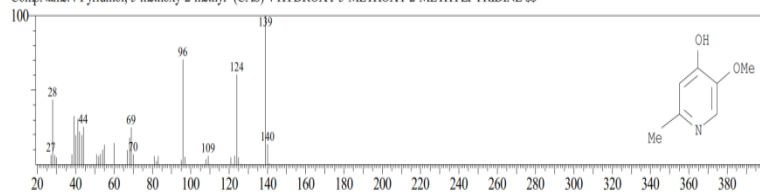
Hit#:3 Entry:7157 Library:NIST62.LIB
SI:70 Formula:C7H9NS CAS:2987-53-3 MolWeight:139 RetIndex:0
CompName:2-Methylmercaptaniline \$\$ 2-(Methylthio)aniline \$\$ o-Thioanisidine \$\$ Benzenamine, 2-(methylthio)-



Hit#:4 Entry:7155 Library:NIST62.LIB
SI:69 Formula:C7H9NS CAS:104-96-1 MolWeight:139 RetIndex:0
CompName:4-Methylmercaptaniline \$\$ 4-(Methylthio)aniline \$\$ Benzenamine, 4-(methylthio)- \$\$ p-(Methylthio)aniline \$\$ p-Aminophenyl methyl sulfide \$\$ p-Aminothioanisole \$\$ p-Thioanisidine \$\$ p-Thio



Hit#:5 Entry:20999 Library:WILEY229.LIB
SI:69 Formula:C7H9NO2 CAS:53603-10-4 MolWeight:139 RetIndex:0
CompName:4-Pyridinol, 5-methoxy-2-methyl- (CAS) 4-HYDROXY-5-METHOXY-2-METHYLPYRIDINE \$\$



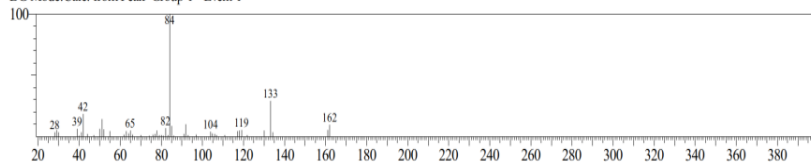
Lampiran 8. Lajutan

<< Target >>

Line#:17 R.Time:20.758(Scan#:2108) MassPeaks:49

RawMode:Averaged 20.750-20.767(2107-2109) BasePeak:84.10(13034)

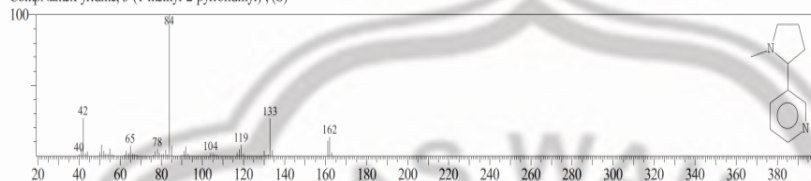
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:5448 Library:NIST12.LIB

SI:88 Formula:C10H14N2 CAS:54-11-5 MolWeight:162 RetIndex:0

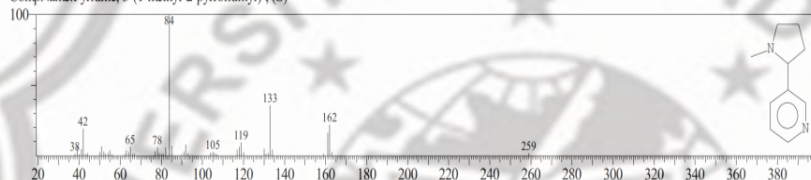
CompName:Pyridine, 3-(1-methyl-2-pyrrolidinyl), (S)-



Hit#:2 Entry:5446 Library:NIST12.LIB

SI:88 Formula:C10H14N2 CAS:54-11-5 MolWeight:162 RetIndex:0

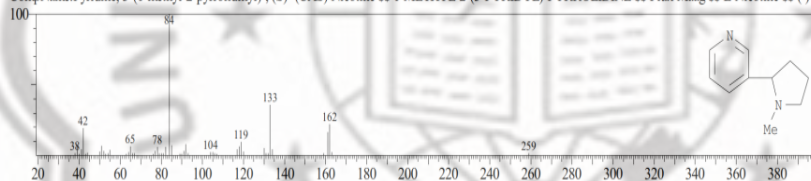
CompName:Pyridine, 3-(1-methyl-2-pyrrolidinyl), (S)-



Hit#:3 Entry:37010 Library:WILEY229.LIB

SI:88 Formula:C10H14N2 CAS:54-11-5 MolWeight:162 RetIndex:0

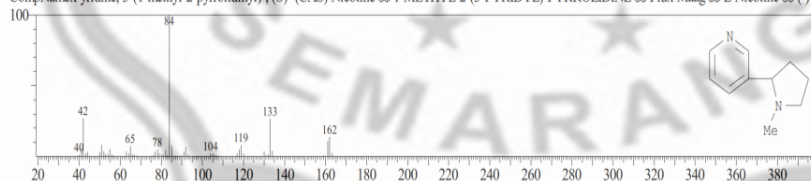
CompName:Pyridine, 3-(1-methyl-2-pyrrolidinyl), (S)- (CAS) Nicotine SS 1-METHYL-2-(3-PYRIDYL)-PYRROLIDINE SS Flux Maag SS L-Nicotine SS (-)-Nicotine SS XL All Insecticide SS 3-(N-Methylpyrrolidin-2-yl)pyridine SS



Hit#:4 Entry:37003 Library:WILEY229.LIB

SI:87 Formula:C10H14N2 CAS:54-11-5 MolWeight:162 RetIndex:0

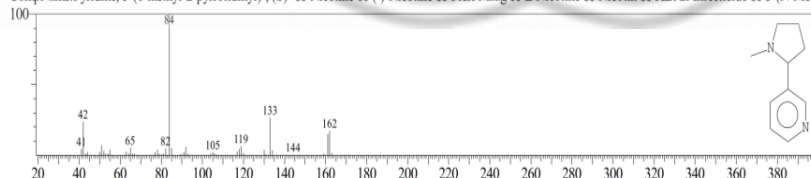
CompName:Pyridine, 3-(1-methyl-2-pyrrolidinyl), (S)- (CAS) Nicotine SS 1-METHYL-2-(3-PYRIDYL)-PYRROLIDINE SS Flux Maag SS L-Nicotine SS (-)-Nicotine SS XL All Insecticide SS 3-(N-Methylpyrrolidin-2-yl)pyridine SS



Hit#:5 Entry:12954 Library:NIST62.LIB

SI:87 Formula:C10H14N2 CAS:54-11-5 MolWeight:162 RetIndex:0

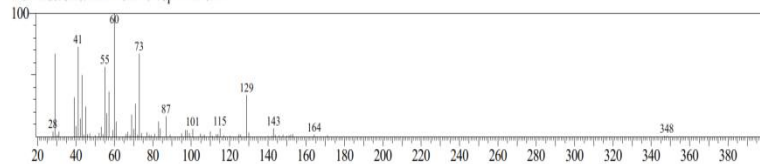
CompName:Pyridine, 3-(1-methyl-2-pyrrolidinyl), (S)- SS Nicotine SS (-)-Nicotine SS Flux Maag SS L-Nicotine SS Nicotin SS XL All Insecticide SS 3-(N-Methylpyrrolidin-2-yl)pyridine SS (S)-Nicotine SS .beta



Lampiran 8. Lanjutan...

<< Target >>

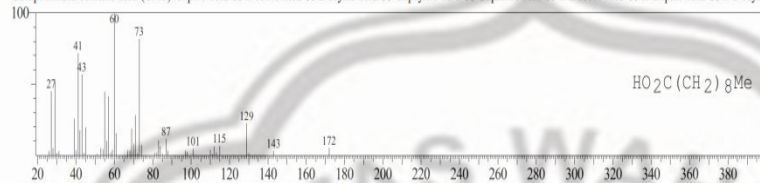
Line#:18 R.Time:21.158(Scan#:2156) MassPeaks:73
RawMode:Averaged 21.150-21.167(2155-2157) BasePeak:60.00(7208)
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:44985 Library:WILEY229.LIB

SI:92 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

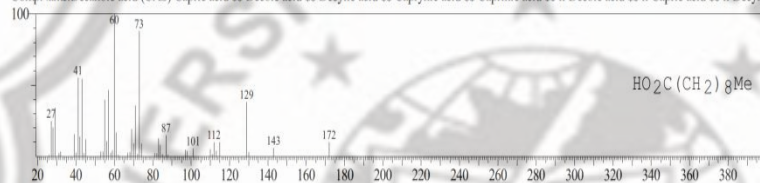
CompName:Decanoic acid (CAS) Capric acid SS Decoic acid SS Decylic acid SS Caprylic acid SS Caprinic acid SS n-Decoic acid SS n-Capric acid SS n-Decylic acid SS n-Decanoic acid SS 1-Nonanecarboxylic acid



Hit#:2 Entry:44987 Library:WILEY229.LIB

SI:89 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

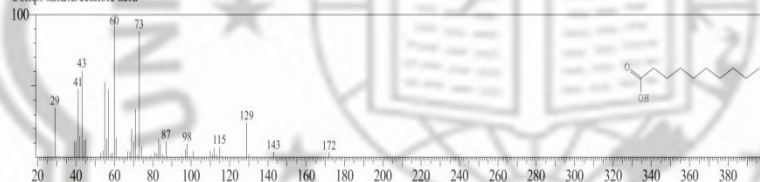
CompName:Decanoic acid (CAS) Capric acid SS Decoic acid SS Decylic acid SS Caprylic acid SS Caprinic acid SS n-Decoic acid SS n-Capric acid SS n-Decylic acid SS n-Decanoic acid SS 1-Nonanecarboxylic acid



Hit#:3 Entry:6121 Library:NIST12.LIB

SI:88 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

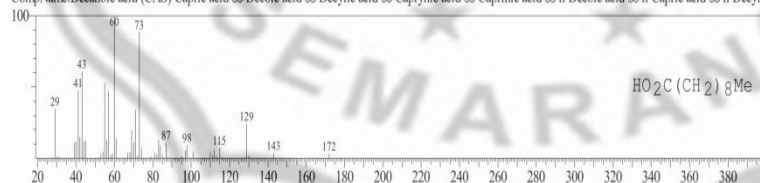
CompName:Decanoic acid



Hit#:4 Entry:44988 Library:WILEY229.LIB

SI:88 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

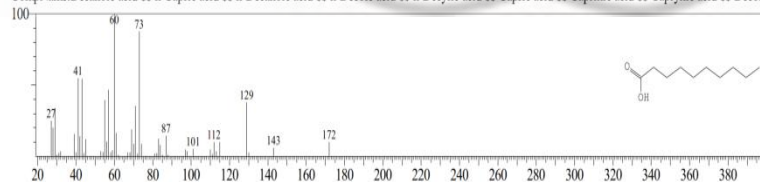
CompName:Decanoic acid (CAS) Capric acid SS Decoic acid SS Decylic acid SS Caprylic acid SS Caprinic acid SS n-Decoic acid SS n-Capric acid SS n-Decylic acid SS n-Decanoic acid SS 1-Nonanecarboxylic acid



Hit#:5 Entry:15788 Library:NIST62.LIB

SI:88 Formula:C10H20O2 CAS:334-48-5 MolWeight:172 RetIndex:0

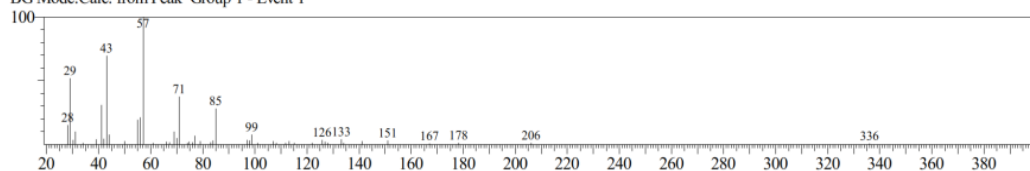
CompName:Decanoic acid SS n-Capric acid SS n-Decanoic acid SS n-Decoic acid SS n-Decylic acid SS Capric acid SS Caprinic acid SS Caprylic acid SS Decoic acid SS Decylic acid SS 1-Nonanecarboxylic acid



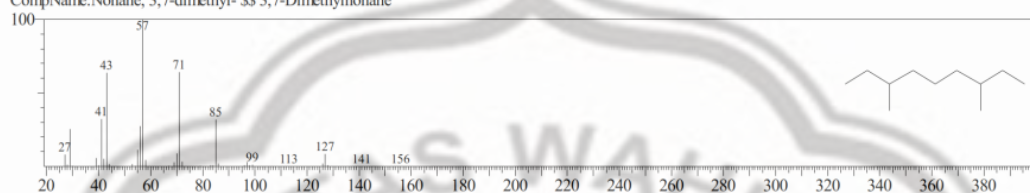
Lampiran 8. Lanjutan..

<< Target >>

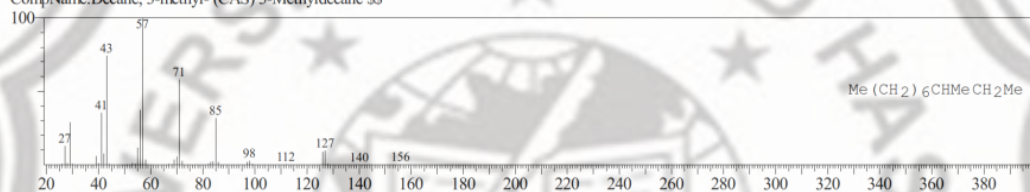
Line#:19 R.Time:24.800(Scan#:2593) MassPeaks:49
RawMode:Averaged 24.792-24.808(2592-2594) BasePeak:57.05(7947)
BG Mode:Calc. from Peak Group 1 - Event 1



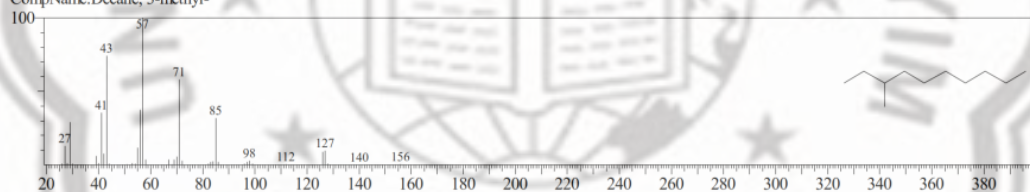
Hit#:1 Entry:11601 Library:NIST62.LIB
SI:86 Formula:C₁₁H₂₄ CAS:17302-32-8 MolWeight:156 RetIndex:0
CompName:Nonane, 3,7-dimethyl- SS 3,7-Dimethylnonane



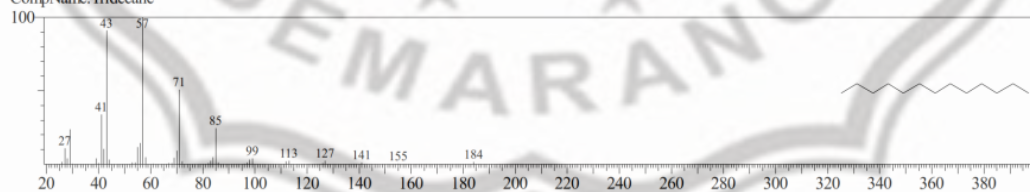
Hit#:2 Entry:33444 Library:WILEY229.LIB
SI:86 Formula:C₁₁H₂₄ CAS:13151-34-3 MolWeight:156 RetIndex:0
CompName:Decane, 3-methyl- (CAS) 3-Methyldecane SS



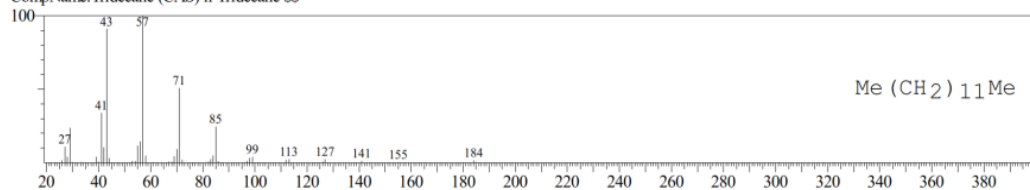
Hit#:3 Entry:5079 Library:NIST12.LIB
SI:85 Formula:C₁₁H₂₄ CAS:13151-34-3 MolWeight:156 RetIndex:0
CompName:Decane, 3-methyl-



Hit#:4 Entry:6785 Library:NIST12.LIB
SI:85 Formula:C₁₃H₂₈ CAS:629-50-5 MolWeight:184 RetIndex:0
CompName:Tridecane



Hit#:5 Entry:54724 Library:WILEY229.LIB
SI:85 Formula:C₁₃H₂₈ CAS:629-50-5 MolWeight:184 RetIndex:0
CompName:Tridecane (CAS) n-Tridecane SS



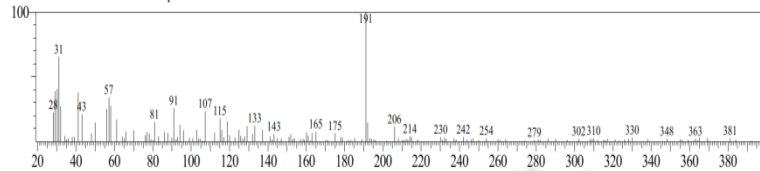
Lampiran 8. Lanjutan

<< Target >>

Line#:20 R.Time:25.008(Scan#:2618) MassPeaks:152

RawMode:Averaged 25.000-25.017(2617-2619) BasePeak:191.10(1502)

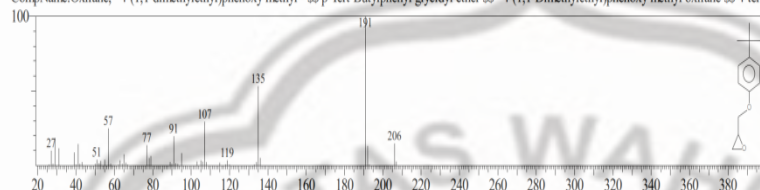
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:24376 Library:NIST62.LIB

SI:54 Formula:C13H18O2 CAS:3101-60-8 MolWeight:206 RetIndex:0

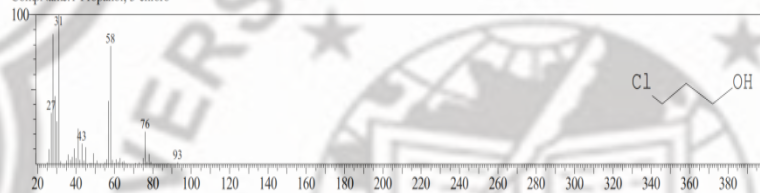
CompName:Oxirane, 4-(1,1-dimethylethyl)phenoxy methyl - SS p-Tert-Butylphenyl glycidyl ether SS 4-(1,1-Dimethylethyl)phenoxy methyl oxirane SS 4-tert-Butylphenyl 2,3-epoxypropyl ether SS 4-t-Butylph



Hit#:2 Entry:824 Library:NIST12.LIB

SI:53 Formula:C3H7ClO CAS:627-30-5 MolWeight:94 RetIndex:0

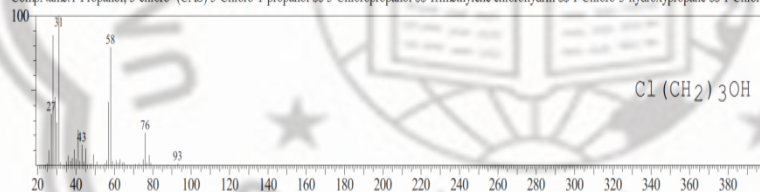
CompName:1-Propanol, 3-chloro-



Hit#:3 Entry:3857 Library:WILEY229.LIB

SI:52 Formula:C3 H7 Cl O CAS:627-30-5 MolWeight:94 RetIndex:0

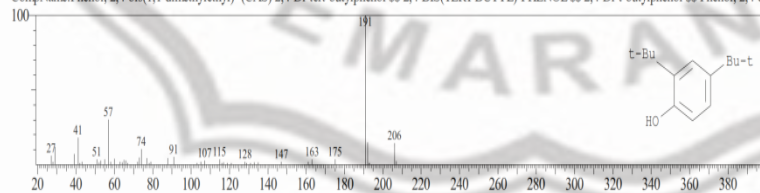
CompName:1-Propanol, 3-chloro- (CAS) 3-Chloro-1-propanol SS Trimethylene chlorhydrin SS 1-Chloro-3-hydroxypropane SS 1-Chloro-3-propanol SS 3-Chloro-1-hydroxypropane SS



Hit#:4 Entry:72768 Library:WILEY229.LIB

SI:52 Formula:C14 H22 O CAS:96-76-4 MolWeight:206 RetIndex:0

CompName:Phenol, 2,4-bis(1,1-dimethylethyl)- (CAS) 2,4-Di-tert-butylphenol SS 2,4-BIS(TERT-BUTYL)-PHENOL SS 2,4-Di-tert-butylphenol SS Phenol, 2,4-di-tert-butyl- SS 2,4-Bis(1,1-dimethylethyl)phenol S



Hit#:5 Entry:72774 Library:WILEY229.LIB

SI:52 Formula:C14 H22 O CAS:128-39-2 MolWeight:206 RetIndex:0

CompName:Phenol, 2,6-bis(1,1-dimethylethyl)- (CAS) 2,6-DI-TERT-BUTYL PHENOL SS 2,6-Di-tert-butylphenol SS 2,6-BIS(TERT-BUTYL)-PHENOL SS 2,6-Di-tert-butylphenol SS 2,6-Bis(tert-butyl)phenol SS

