LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007108.D
Acq On : 10 Jan 2022 17:46
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VIBLK

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Title : SW846 8260

Signal : TIC: VY007108.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.058 | 34 | 39 | 48 | rBV | 5889 | 16470 | 1.97% | 0.263% |
| 2 | 4.716 | 466 | 475 | 493 | rBV4 | 7651 | 27734 | 3.31% | 0.442% |
| 3 | 5.759 | 637 | 646 | 654 | rBV2 | 3164 | 8730 | 1.04% | 0.139% |
| 4 | 6.984 | 834 | 847 | 862 | rBV | 15689 | 51438 | 6.15% | 0.820% |
| 5 | 7.722 | 959 | 968 | 974 | rBV | 116881 | 273333 | 32.66% | 4.359% |
| 6 | 7.795 | 974 | 980 | 992 | rVB | 184815 | 426898 | 51.01% | 6.808% |
| 7 | 8.142 | 1022 | 1037 | 1049 | rBV2 | 114424 | 328468 | 39.25% | 5.238% |
| 8 | 8.697 | 1119 | 1128 | 1140 | rBV | 299659 | 589435 | 70.44% | 9.399% |
| 9 | 10.185 | 1364 | 1372 | 1384 | rVB | 483334 | 822062 | 98.23% | 13.109% |
| 10 | 10.581 | 1430 | 1437 | 1447 | rVB | 98093 | 173303 | 20.71% | 2.764% |
| 11 | 10.947 | 1492 | 1497 | 1505 | rBV | 25869 | 44239 | 5.29% | 0.705% |
| 12 | 11.044 | 1508 | 1513 | 1517 | rBV3 | 5103 | 8782 | 1.05% | 0.140% |
| 13 | 11.099 | 1517 | 1522 | 1526 | rVB3 | 7453 | 12129 | 1.45% | 0.193% |
| 14 | 11.319 | 1551 | 1558 | 1564 | rVB | 65703 | 116999 | 13.98% | 1.866% |
| 15 | 11.496 | 1580 | 1587 | 1597 | rVB | 438835 | 731405 | 87.40% | 11.663% |
| 16 | 11.739 | 1622 | 1627 | 1631 | rBV3 | 7480 | 14542 | 1.74% | 0.232% |
| 17 | 12.008 | 1664 | 1671 | 1677 | rBV5 | 12390 | 30275 | 3.62% | 0.483% |
| 18 | 12.123 | 1686 | 1690 | 1694 | rBV | 18738 | 26001 | 3.11% | 0.415% |
| 19 | 12.203 | 1699 | 1703 | 1706 | rVV5 | 15191 | 29671 | 3.55% | 0.473% |
| 20 | 12.239 | 1706 | 1709 | 1718 | rVB6 | 20705 | 45088 | 5.39% | 0.719% |
| 21 | 12.373 | 1728 | 1731 | 1738 | rVB5 | 11182 | 21395 | 2.56% | 0.341% |
| 22 | 12.489 | 1743 | 1750 | 1757 | rBV3 | 482332 | 836839 | 100.00% | 13.345% |
| 23 | 12.575 | 1758 | 1764 | 1768 | rVV9 | 6226 | 14700 | 1.76% | 0.234% |
| 24 | 12.648 | 1772 | 1776 | 1784 | rVB4 | 23122 | 46642 | 5.57% | 0.744% |
| 25 | 12.733 | 1784 | 1790 | 1796 | rBV7 | 11149 | 28615 | 3.42% | 0.456% |
| 26 | 12.818 | 1796 | 1804 | 1808 | rVV5 | 29897 | 80947 | 9.67% | 1.291% |
| 27 | 12.861 | 1808 | 1811 | 1817 | rVB4 | 15878 | 26586 | 3.18% | 0.424% |
| 28 | 12.953 | 1822 | 1826 | 1830 | rBV4 | 13046 | 19287 | 2.30% | 0.308% |
| 29 | 13.001 | 1830 | 1834 | 1837 | rVV4 | 6025 | 12406 | 1.48% | 0.198% |
| 30 | 13.038 | 1837 | 1840 | 1848 | rVB6 | 13310 | 28110 | 3.36% | 0.448% |
| 31 | 13.184 | 1858 | 1864 | 1868 | rBV2 | 23497 | 43195 | 5.16% | 0.689% |
| 32 | 13.324 | 1879 | 1887 | 1890 | rBV5 | 25427 | 52825 | 6.31% | 0.842% |
| 33 | 13.428 | 1898 | 1904 | 1918 | rVB | 437425 | 697280 | 83.32% | 11.119% |
| 34 | 13.568 | 1923 | 1927 | 1930 | rBV2 | 8399 | 12384 | 1.48% | 0.197% |
| 35 | 13.702 | 1943 | 1949 | 1951 | rBV6 | 6801 | 11375 | 1.36% | 0.181% |
| 36 | 13.751 | 1952 | 1957 | 1961 | rVV3 | 35470 | 62895 | 7.52% | 1.003% |

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.794 | 1962 | 1964 | 1969 | rVV3 | 11189 | 18095 | 2.16% | 0.289% |
| 38 | 13.861 | 1971 | 1975 | 1982 | rVB8 | 9163 | 19621 | 2.34% | 0.313% |
| 39 | 13.971 | 1987 | 1993 | 1999 | rVB2 | 43420 | 82443 | 9.85% | 1.315% |
| 40 | 14.080 | 2006 | 2011 | 2016 | rBV6 | 9915 | 19020 | 2.27% | 0.303% |
| 41 | 14.147 | 2018 | 2022 | 2028 | rVV8 | 9098 | 17155 | 2.05% | 0.274% |
| 42 | 14.202 | 2028 | 2031 | 2034 | rVV4 | 6519 | 8839 | 1.06% | 0.141% |
| 43 | 14.269 | 2035 | 2042 | 2055 | rVB6 | 33133 | 85405 | 10.21% | 1.362% |
| 44 | 14.428 | 2063 | 2068 | 2072 | rBV5 | 17363 | 27278 | 3.26% | 0.435% |
| 45 | 14.623 | 2096 | 2100 | 2106 | rVV8 | 8331 | 18048 | 2.16% | 0.288% |
| 46 | 14.684 | 2106 | 2110 | 2115 | rVV5 | 16086 | 32103 | 3.84% | 0.512% |
| 47 | 14.739 | 2115 | 2119 | 2125 | rVB5 | 19956 | 33920 | 4.05% | 0.541% |
| 48 | 14.946 | 2150 | 2153 | 2157 | rVB4 | 12212 | 16630 | 1.99% | 0.265% |
| 49 | 15.214 | 2193 | 2197 | 2204 | rBV | 22709 | 35503 | 4.24% | 0.566% |
| 50 | 15.324 | 2211 | 2215 | 2221 | rVB3 | 11592 | 19010 | 2.27% | 0.303% |
| 51 | 15.611 | 2257 | 2262 | 2267 | rVB7 | 10029 | 18422 | 2.20% | 0.294% |
| 52 | 16.031 | 2325 | 2331 | 2337 | rBV7 | 8030 | 19582 | 2.34% | 0.312% |
| 53 | 16.159 | 2348 | 2352 | 2357 | rVB3 | 11549 | 18940 | 2.26% | 0.302% |
| 54 | 16.482 | 2401 | 2405 | 2408 | rBV5 | 5077 | 8483 | 1.01% | 0.135% |

Sum of corrected areas: 6270980

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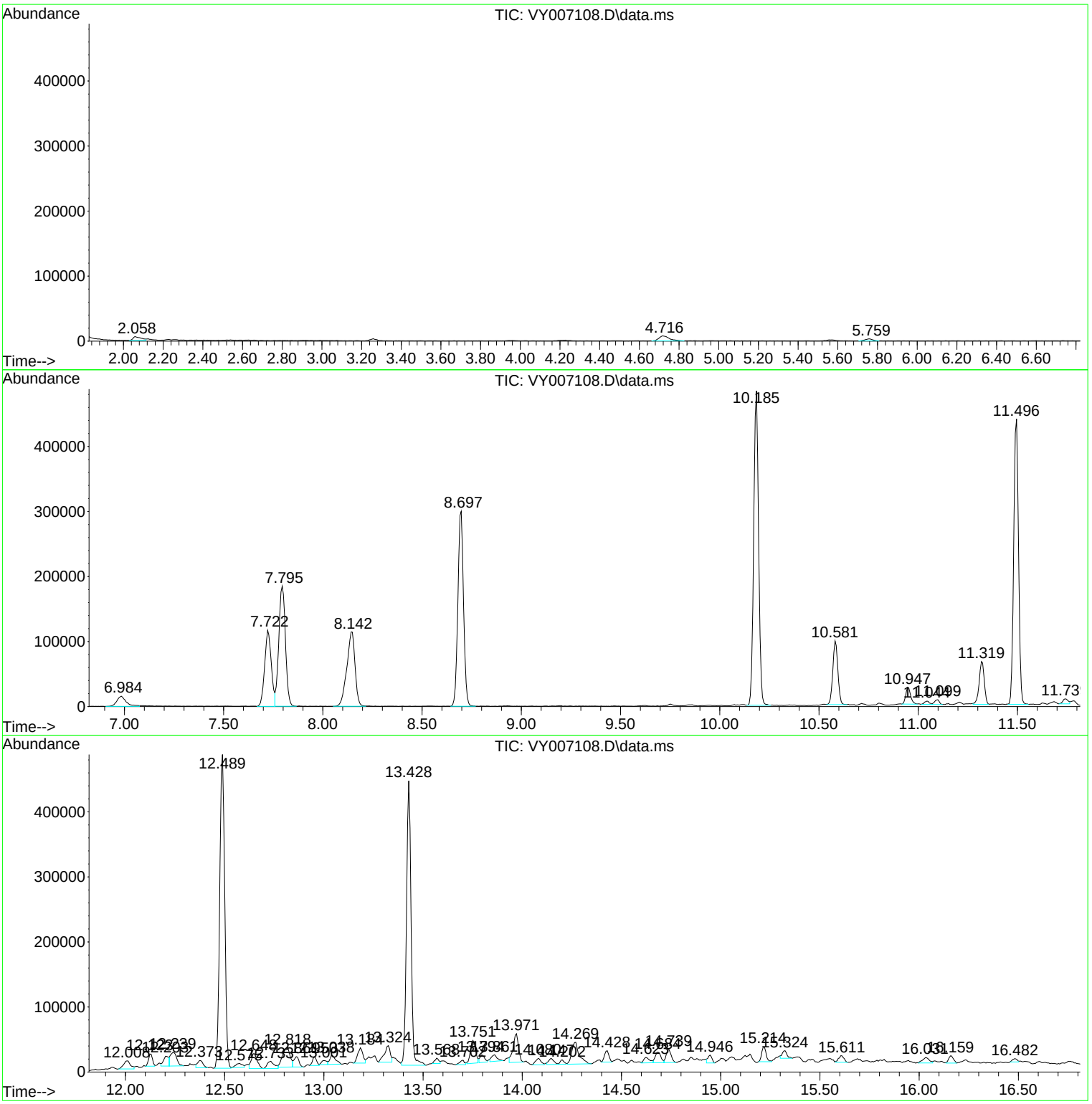
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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**Instrument :**
MSVOA_Y
**ClientSampleId :**
VIBLK

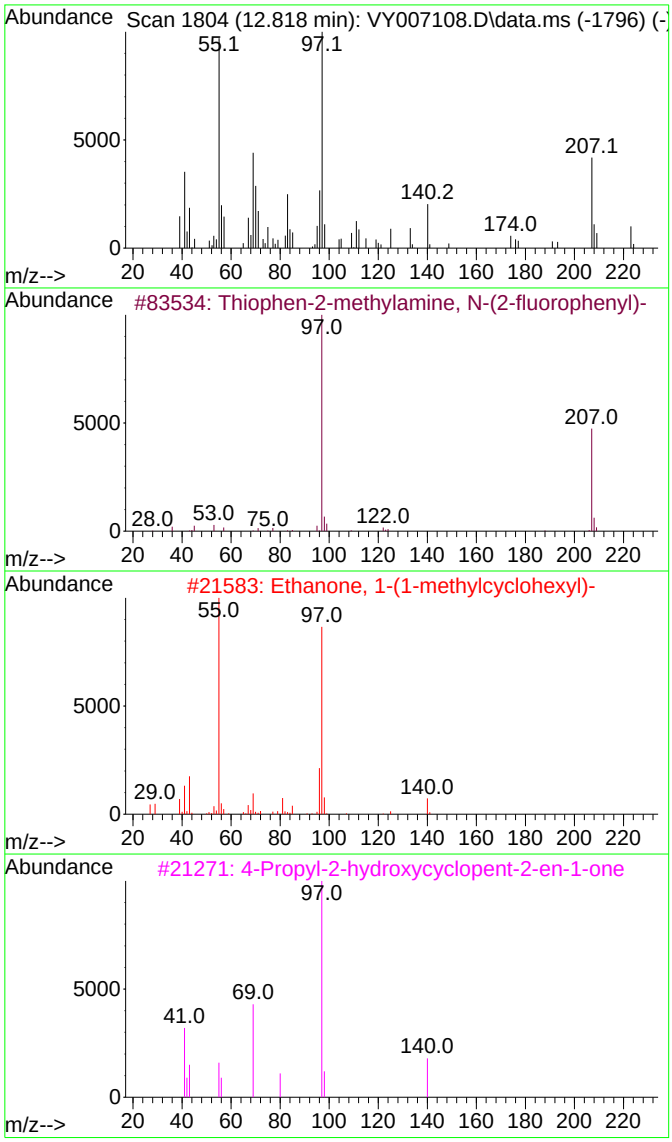
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

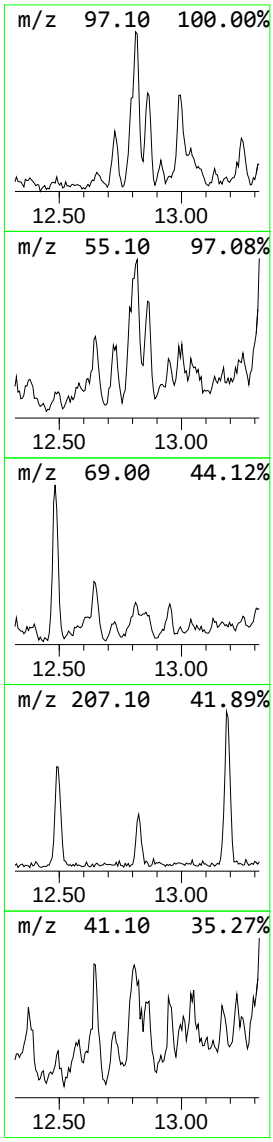
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Thiophen-2-methylamine, N-(... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.819 | 5.80 ug/l | 80947 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophen-2-methylamine, N-(2-flu... | 207 | C11H10FNS | 1000310-35-2 | 50 |
| 2 | Ethanone, 1-(1-methylcyclohexyl)- | 140 | C9H16O | 002890-62-2 | 47 |
| 3 | 4-Propyl-2-hydroxycyclopent-2-en... | 140 | C8H12O2 | 082147-26-0 | 43 |
| 4 | 1-Methyl-4-(1-methylethyl)-cyclo... | 140 | C10H20 | 000099-82-1 | 38 |
| 5 | Semustine | 247 | C10H18ClN3O2 | 013909-09-6 | 38 |



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**Instrument :**
MSVOA_Y
**ClientSampleId :**
VIBLK

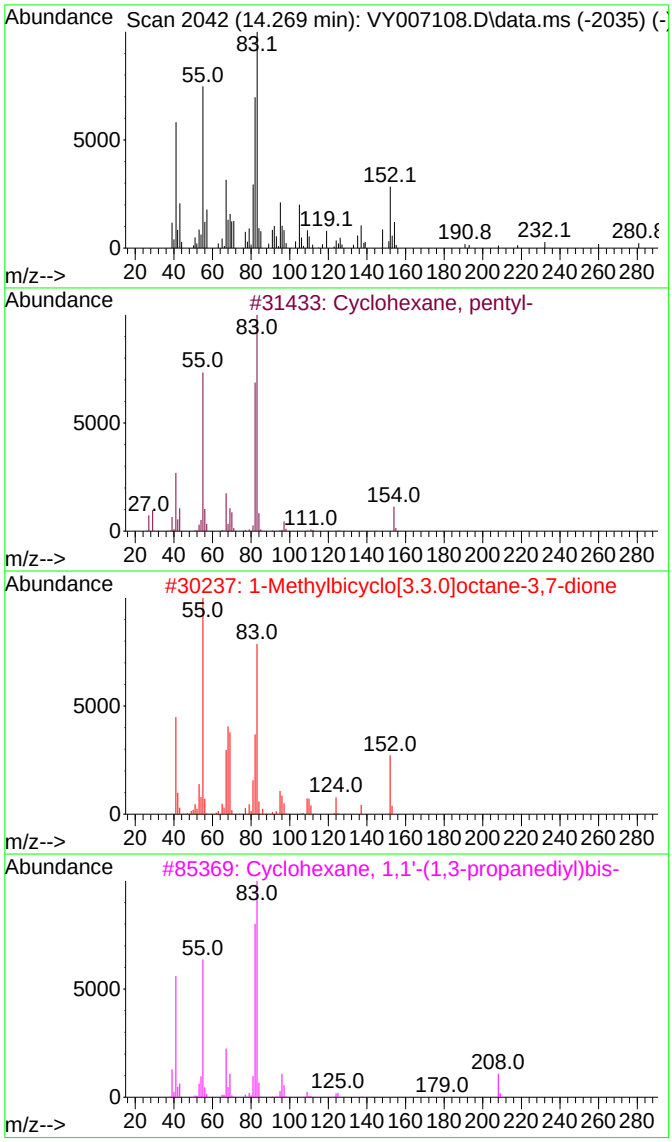
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

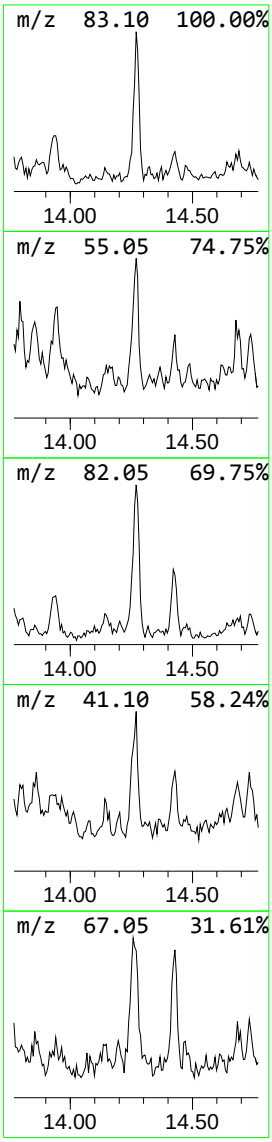
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Cyclohexane, pentyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.269 | 6.12 ug/l | 85405 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 78 |
| 2 | 1-Methylbicyclo[3.3.0]octane-3,7... | 152 | C9H12O2 | 021170-08-1 | 58 |
| 3 | Cyclohexane, 1,1'-(1,3-propanedi... | 208 | C15H28 | 003178-24-3 | 49 |
| 4 | Cyclohexane, 2-propenyl- | 124 | C9H16 | 002114-42-3 | 47 |
| 5 | Cyclopentane, 1-ethyl-1-methyl- | 112 | C8H16 | 016747-50-5 | 46 |



Tentatively Identified Compound (LSC) summary

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**Instrument :**
MSVOA_Y
**ClientSampleId :**
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Thiophen-2-meth... | 12.819 | 5.8 | ug/l | 80947 | 4 | 13.428 | 697280 | 50.0 |
| Cyclohexane, pe... | 14.269 | 6.1 | ug/l | 85405 | 4 | 13.428 | 697280 | 50.0 |