LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

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\82Y092319S.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.782 | 497 | 524 | 563 | rBV3 | 355890 | 2450878 | 1.90% | 0.230% |
| 2 | 5.263 | 584 | 603 | 643 | rBV2 | 342390 | 2262348 | 1.75% | 0.212% |
| 3 | 6.818 | 849 | 858 | 883 | rVB3 | 461853 | 2699234 | 2.09% | 0.253% |
| 4 | 7.562 | 961 | 980 | 1000 | rBV6 | 200301 | 1364595 | 1.06% | 0.128% |
| 5 | 7.806 | 1002 | 1020 | 1027 | rBV5 | 2915367 | 14966280 | 11.59% | 1.405% |
| 6 | 8.037 | 1047 | 1058 | 1061 | rBV3 | 5978262 | 20394260 | 15.80% | 1.914% |
| 7 | 8.312 | 1090 | 1103 | 1105 | rBV2 | 5408987 | 17366380 | 13.45% | 1.630% |
| 8 | 8.440 | 1118 | 1124 | 1159 | rVB2 | 11669179 | 68946760 | 53.41% | 6.471% |
| 9 | 8.738 | 1160 | 1173 | 1201 | rVB4 | 2178378 | 14746901 | 11.42% | 1.384% |
| 10 | 9.031 | 1214 | 1221 | 1234 | rBV3 | 542300 | 2394821 | 1.86% | 0.225% |
| 11 | 9.214 | 1234 | 1251 | 1255 | rBV5 | 27298918 | 129097838 | 100.00% | 12.116% |
| 12 | 9.500 | 1288 | 1298 | 1299 | rBV2 | 13624242 | 38137916 | 29.54% | 3.579% |
| 13 | 9.641 | 1313 | 1321 | 1339 | rBV7 | 10019070 | 66992195 | 51.89% | 6.287% |
| 14 | 10.220 | 1407 | 1416 | 1417 | rBV4 | 16785626 | 44584650 | 34.54% | 4.184% |
| 15 | 12.024 | 1707 | 1712 | 1715 | rBV3 | 16869964 | 37179170 | 28.80% | 3.489% |
| 16 | 12.512 | 1787 | 1792 | 1794 | rBV6 | 11443842 | 21795962 | 16.88% | 2.046% |
| 17 | 12.543 | 1794 | 1797 | 1800 | rVB | 9182734 | 13965486 | 10.82% | 1.311% |
| 18 | 12.683 | 1813 | 1820 | 1824 | rVB3 | 26189150 | 70085520 | 54.29% | 6.577% |
| 19 | 12.744 | 1824 | 1830 | 1835 | rVV5 | 15558268 | 37875203 | 29.34% | 3.555% |
| 20 | 12.817 | 1835 | 1842 | 1848 | rVV6 | 25253863 | 88807793 | 68.79% | 8.334% |
| 21 | 12.872 | 1849 | 1851 | 1856 | rVB2 | 16945350 | 25598398 | 19.83% | 2.402% |
| 22 | 12.957 | 1861 | 1865 | 1869 | rVV4 | 11660854 | 20837221 | 16.14% | 1.956% |
| 23 | 13.006 | 1869 | 1873 | 1876 | rVV4 | 8766582 | 15717405 | 12.17% | 1.475% |
| 24 | 13.049 | 1876 | 1880 | 1888 | rVB3 | 23020908 | 47632099 | 36.90% | 4.470% |
| 25 | 13.140 | 1892 | 1895 | 1897 | rBV3 | 5343206 | 7120446 | 5.52% | 0.668% |
| 26 | 13.323 | 1918 | 1925 | 1929 | rBV4 | 14740407 | 38369910 | 29.72% | 3.601% |
| 27 | 13.360 | 1929 | 1931 | 1934 | rVV2 | 11523701 | 13319522 | 10.32% | 1.250% |
| 28 | 13.396 | 1934 | 1937 | 1941 | rVB3 | 6740631 | 8922612 | 6.91% | 0.837% |
| 29 | 13.500 | 1951 | 1954 | 1960 | rBV3 | 4203816 | 6301357 | 4.88% | 0.591% |
| 30 | 13.573 | 1963 | 1966 | 1971 | rVV3 | 4464133 | 9291897 | 7.20% | 0.872% |
| 31 | 13.695 | 1979 | 1986 | 1989 | rBV2 | 5760227 | 13260033 | 10.27% | 1.244% |
| 32 | 13.750 | 1990 | 1995 | 1999 | rVV2 | 18572752 | 33747858 | 26.14% | 3.167% |
| 33 | 13.792 | 1999 | 2002 | 2006 | rVB4 | 5267531 | 7413778 | 5.74% | 0.696% |
| 34 | 13.969 | 2027 | 2031 | 2035 | rVB | 10085993 | 15061635 | 11.67% | 1.414% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

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\82Y092319S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.073 | 2043 | 2048 | 2054 | rVB2 | 13687136 | 23527861 | 18.22% | 2.208% |
| 36 | 14.134 | 2054 | 2058 | 2064 | rVB7 | 3659522 | 7339484 | 5.69% | 0.689% |
| 37 | 14.189 | 2064 | 2067 | 2069 | rBV3 | 1900259 | 2257558 | 1.75% | 0.212% |
| 38 | 14.256 | 2074 | 2078 | 2082 | rVV3 | 5248563 | 8775496 | 6.80% | 0.824% |
| 39 | 14.372 | 2093 | 2097 | 2100 | rBV | 3873954 | 5985300 | 4.64% | 0.562% |
| 40 | 14.414 | 2100 | 2104 | 2110 | rVB3 | 4577531 | 7408037 | 5.74% | 0.695% |
| 41 | 14.561 | 2123 | 2128 | 2133 | rBV3 | 3040607 | 6450362 | 5.00% | 0.605% |
| 42 | 14.609 | 2133 | 2136 | 2140 | rVV3 | 1666424 | 2325098 | 1.80% | 0.218% |
| 43 | 14.676 | 2141 | 2147 | 2151 | rVV2 | 8024669 | 17318395 | 13.41% | 1.625% |
| 44 | 14.725 | 2151 | 2155 | 2162 | rVB4 | 4195611 | 7829348 | 6.06% | 0.735% |
| 45 | 14.932 | 2185 | 2189 | 2193 | rVB3 | 2872818 | 4644789 | 3.60% | 0.436% |
| 46 | 14.975 | 2193 | 2196 | 2201 | rVV2 | 941471 | 1551762 | 1.20% | 0.146% |
| 47 | 15.048 | 2202 | 2208 | 2213 | rVB2 | 2615257 | 5366293 | 4.16% | 0.504% |
| 48 | 15.201 | 2227 | 2233 | 2238 | rVB3 | 1427438 | 2595287 | 2.01% | 0.244% |
| 49 | 15.518 | 2279 | 2285 | 2292 | rVV4 | 681870 | 1587228 | 1.23% | 0.149% |
| 50 | 16.481 | 2436 | 2443 | 2457 | rVB2 | 742151 | 1884407 | 1.46% | 0.177% |

Sum of corrected areas: 1065555066

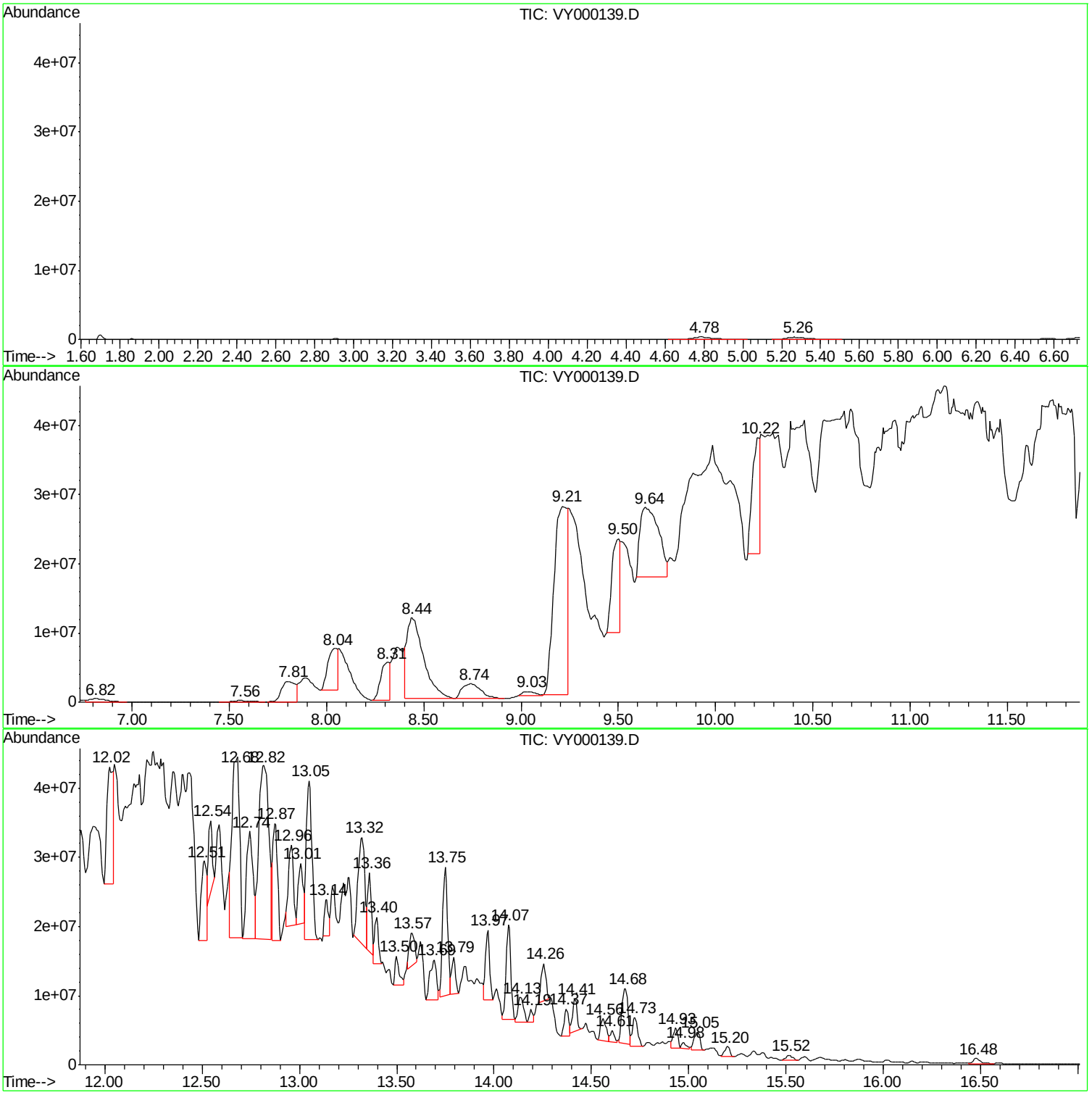
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

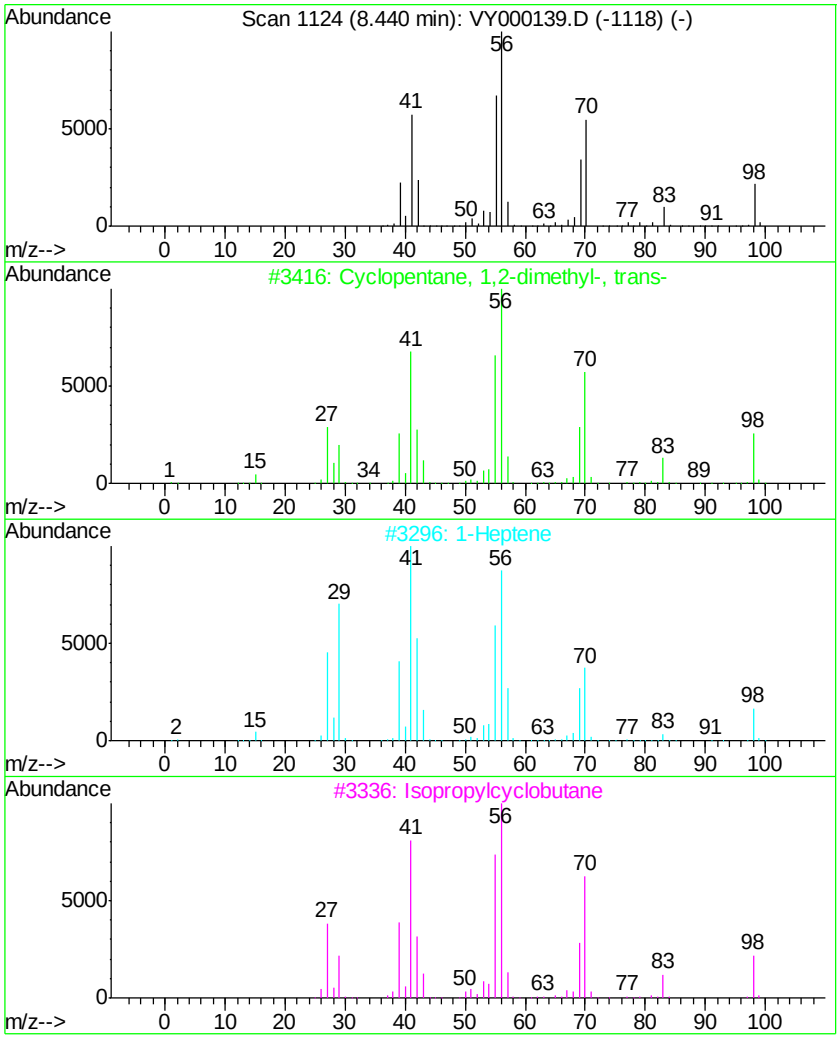
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

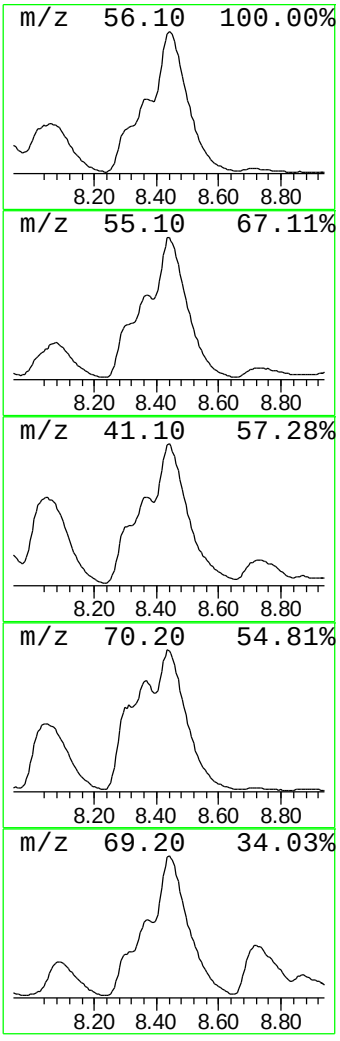
**********

Peak Number 1 Cyclopentane, 1,2-dimethyl-... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.44 | 233.77 ug/l | 68946800 | 1,4-Difluorobenzene | 8.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 94 |
| 2 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 90 |
| 3 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 80 |
| 4 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 78 |
| 5 | 3-Heptene | 98 | C7H14 | 000592-78-9 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

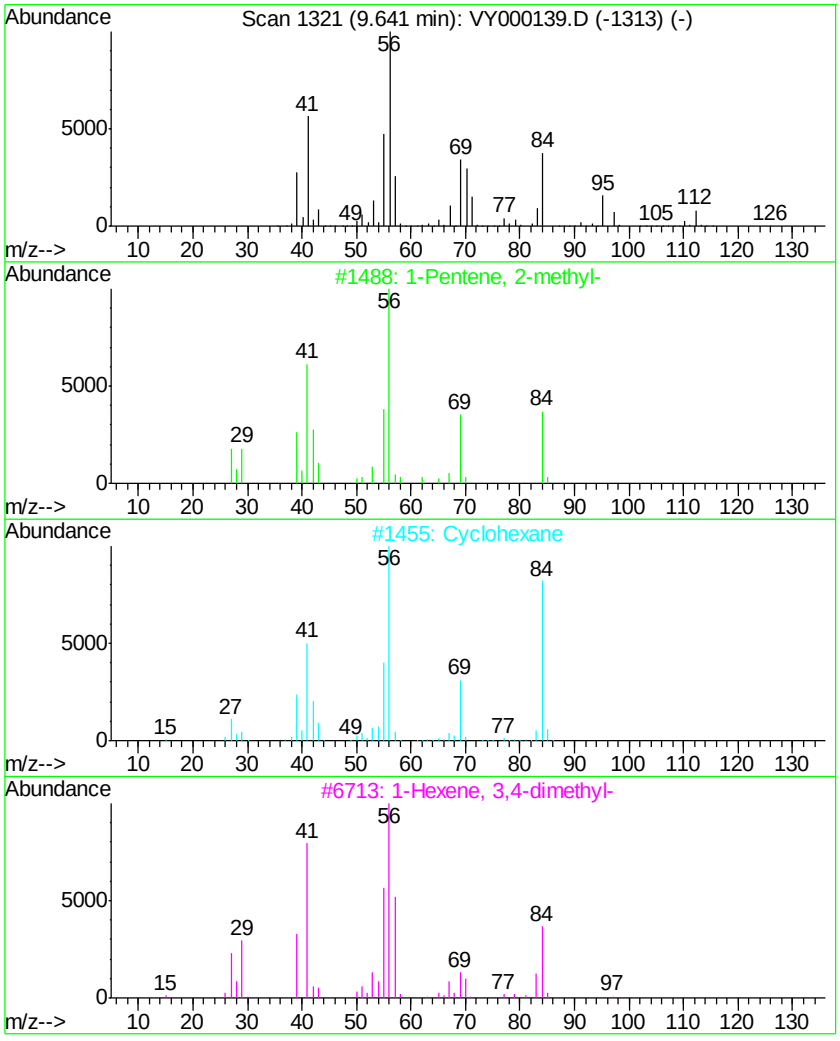
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

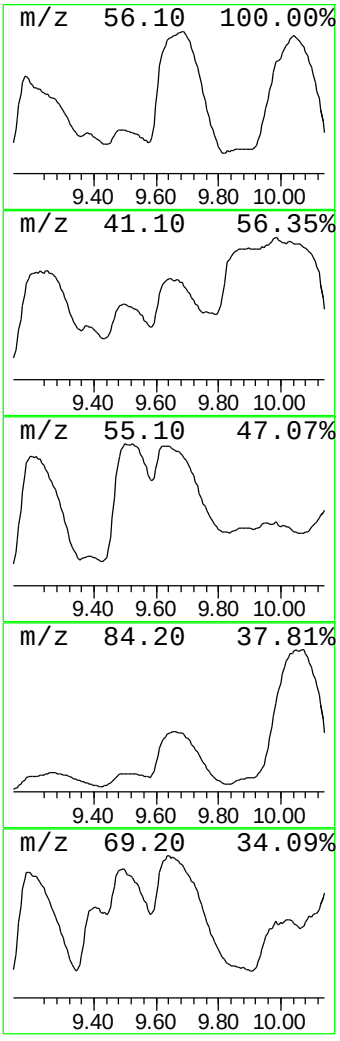
**********

Peak Number 2 1-Pentene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.64 | 227.14 ug/l | 66992200 | 1,4-Difluorobenzene | 8.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 52 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 50 |
| 3 | 1-Hexene, 3,4-dimethyl- | 112 | C8H16 | 016745-94-1 | 42 |
| 4 | Cyclopropane, 1-methyl-2-(1-meth... | 140 | C10H20 | 062238-06-6 | 42 |
| 5 | Cyclopentanone, 2,3-dimethyl- | 112 | C7H12O | 1000151-06-7 | 40 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

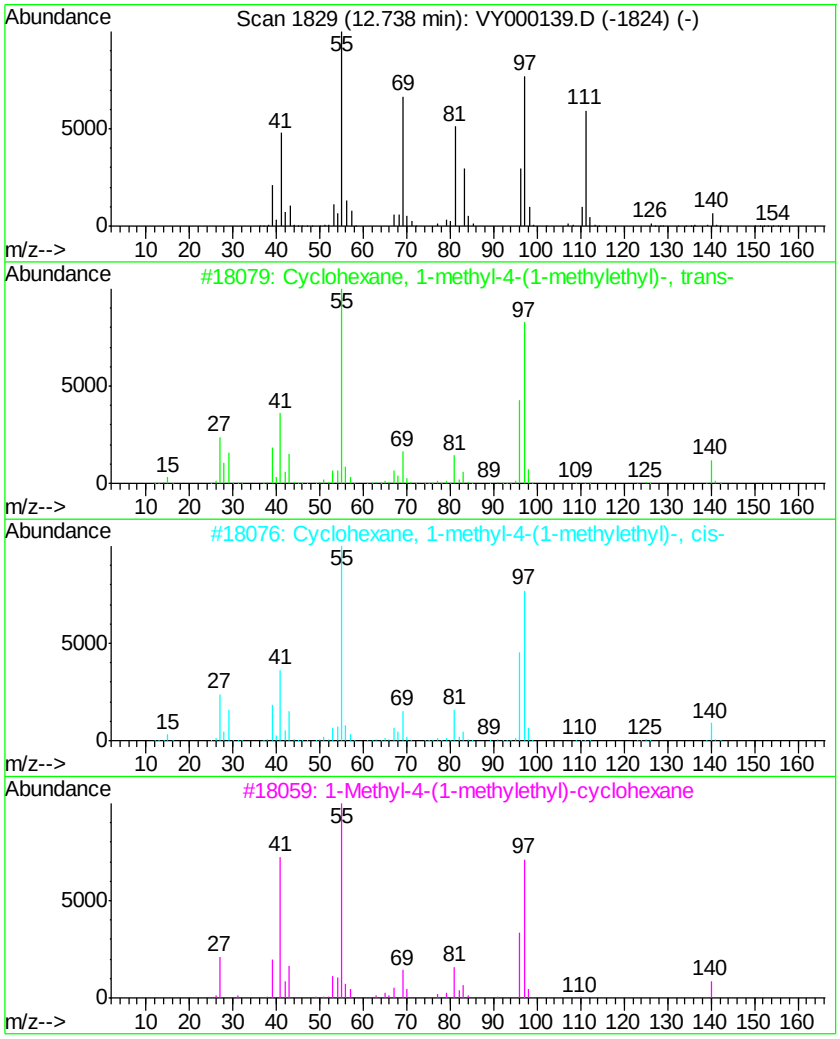
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

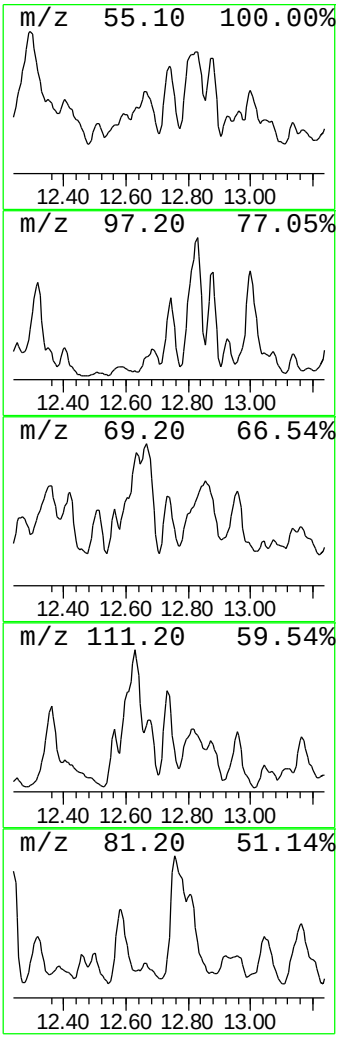
**********

Peak Number 3 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.74 | 300.53 ug/l | 37875200 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 001678-82-6 | 55 |
| 2 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 006069-98-3 | 55 |
| 3 | 1-Methyl-4-(1-methylethyl)-cyclo... | 140 | C10H20 | 000099-82-1 | 46 |
| 4 | m-Menthane, (1S,3S)-(+)- | 140 | C10H20 | 013837-67-7 | 43 |
| 5 | Cyclohexane, 1-methyl-3-propyl- | 140 | C10H20 | 004291-80-9 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

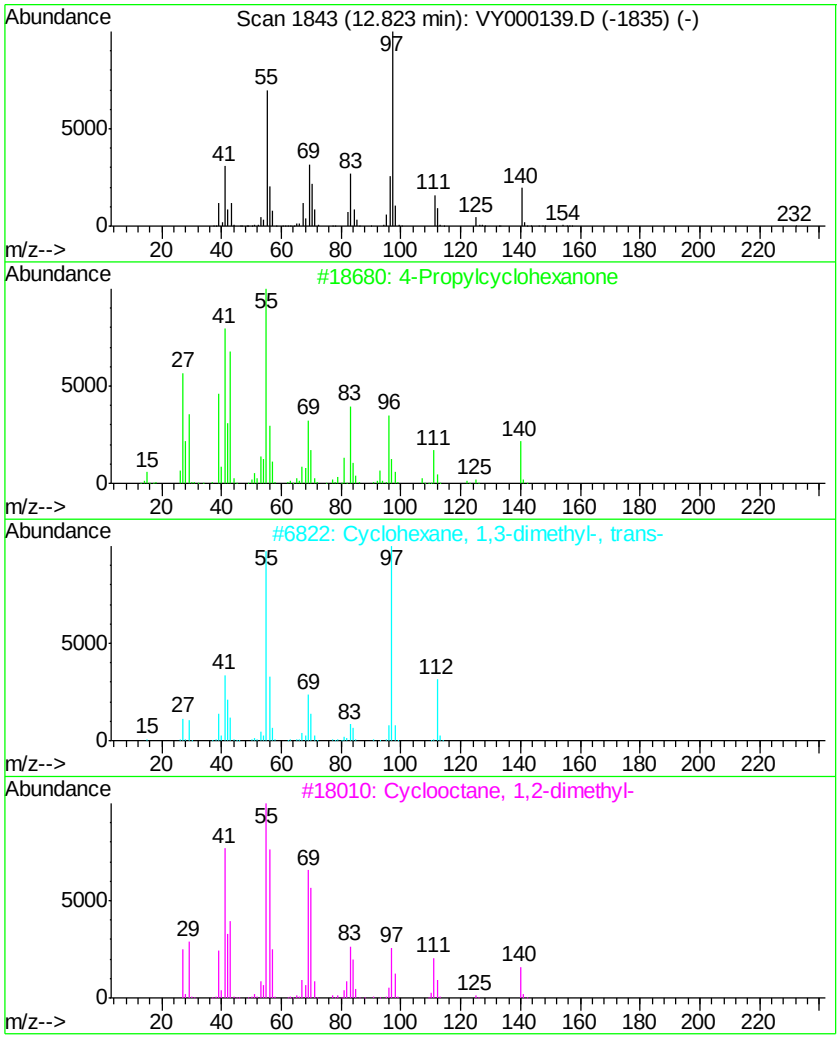
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

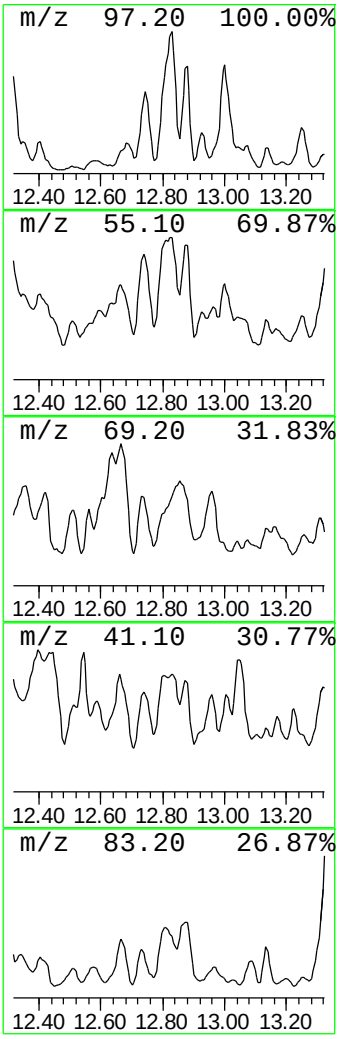
**********

Peak Number 4 4-Propylcyclohexanone Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.82 | 704.67 ug/l | 88807800 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Propylcyclohexanone | 140 | C9H16O | 040649-36-3 | 55 |
| 2 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 52 |
| 3 | Cyclooctane, 1,2-dimethyl- | 140 | C10H20 | 013151-94-5 | 49 |
| 4 | 4-Propyl-2-hydroxycyclopent-2-en... | 140 | C8H12O2 | 082147-26-0 | 43 |
| 5 | 3-Cyclohexen-1-ol, 3-methyl- | 112 | C7H12O | 053783-91-8 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

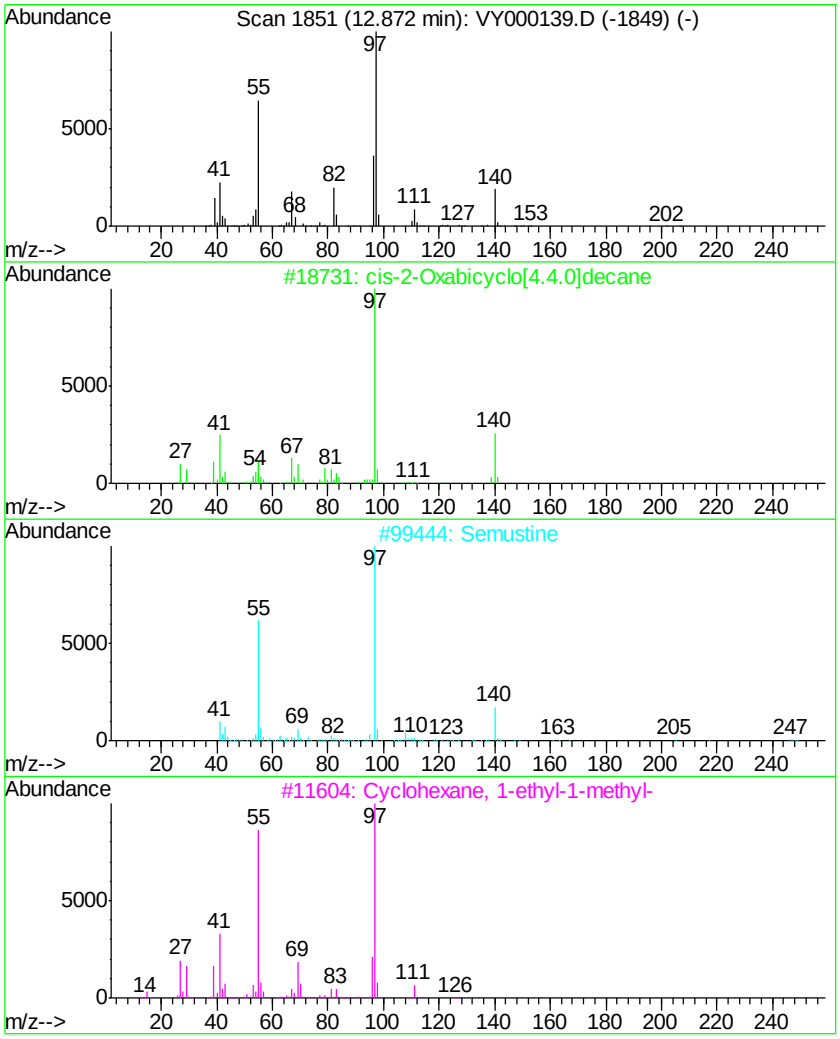
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

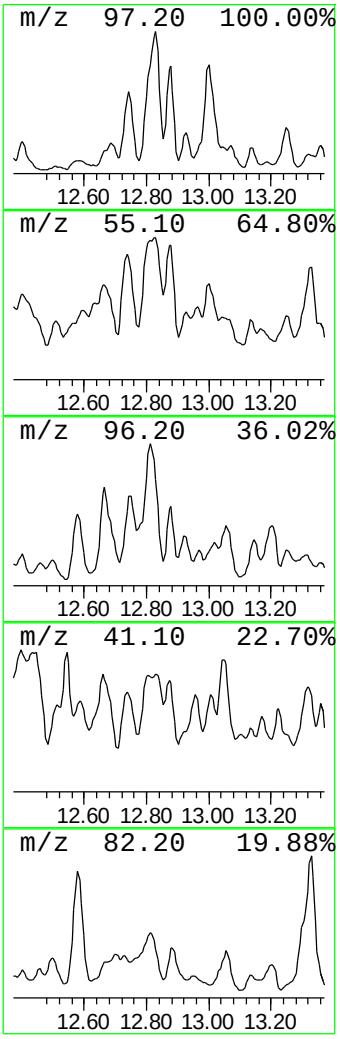
**********

Peak Number 5 cis-2-Oxabicyclo[4.4.0]decane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.87 | 203.12 ug/l | 25598400 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-2-Oxabicyclo[4.4.0]decane | 140 | C9H16O | 060416-19-5 | 50 |
| 2 | Semustine | 247 | C10H18ClN3O2 | 013909-09-6 | 50 |
| 3 | Cyclohexane, 1-ethyl-1-methyl- | 126 | C9H18 | 004926-90-3 | 50 |
| 4 | 3-Butylthiophene | 140 | C8H12S | 034722-01-5 | 47 |
| 5 | m-Menthane, (1S,3R)-(+)- | 140 | C10H20 | 013837-66-6 | 46 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

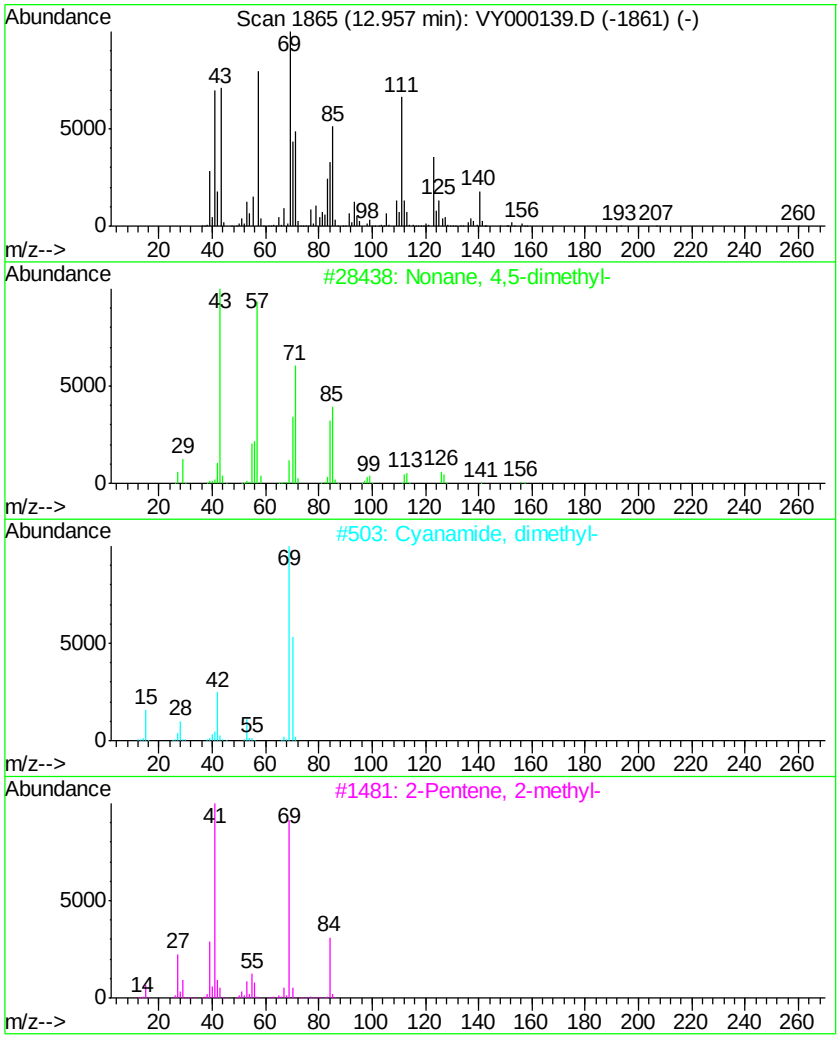
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

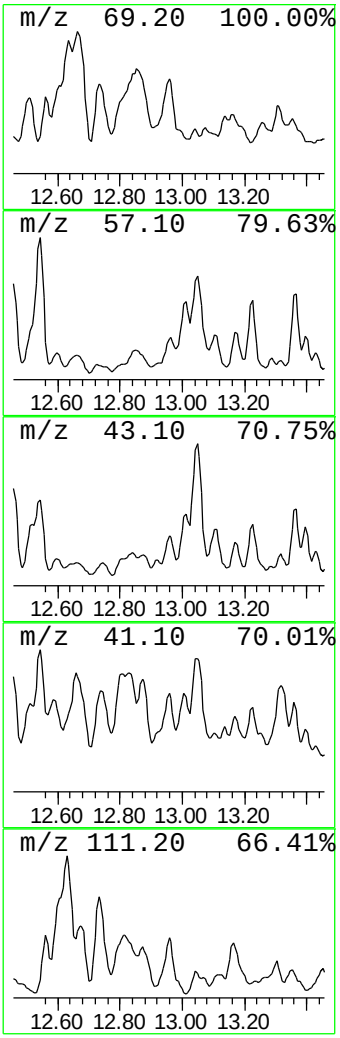
**********

Peak Number 6 unknown12.96 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.96 | 165.34 ug/l | 20837200 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4,5-dimethyl- | 156 | C11H24 | 017302-23-7 | 30 |
| 2 | Cyanamide, dimethyl- | 70 | C3H6N2 | 001467-79-4 | 27 |
| 3 | 2-Pentene, 2-methyl- | 84 | C6H12 | 000625-27-4 | 25 |
| 4 | Cyclopropane, 1,1,2-trimethyl- | 84 | C6H12 | 004127-45-1 | 25 |
| 5 | 2-Pentene, 3-methyl-, (E)- | 84 | C6H12 | 000616-12-6 | 25 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

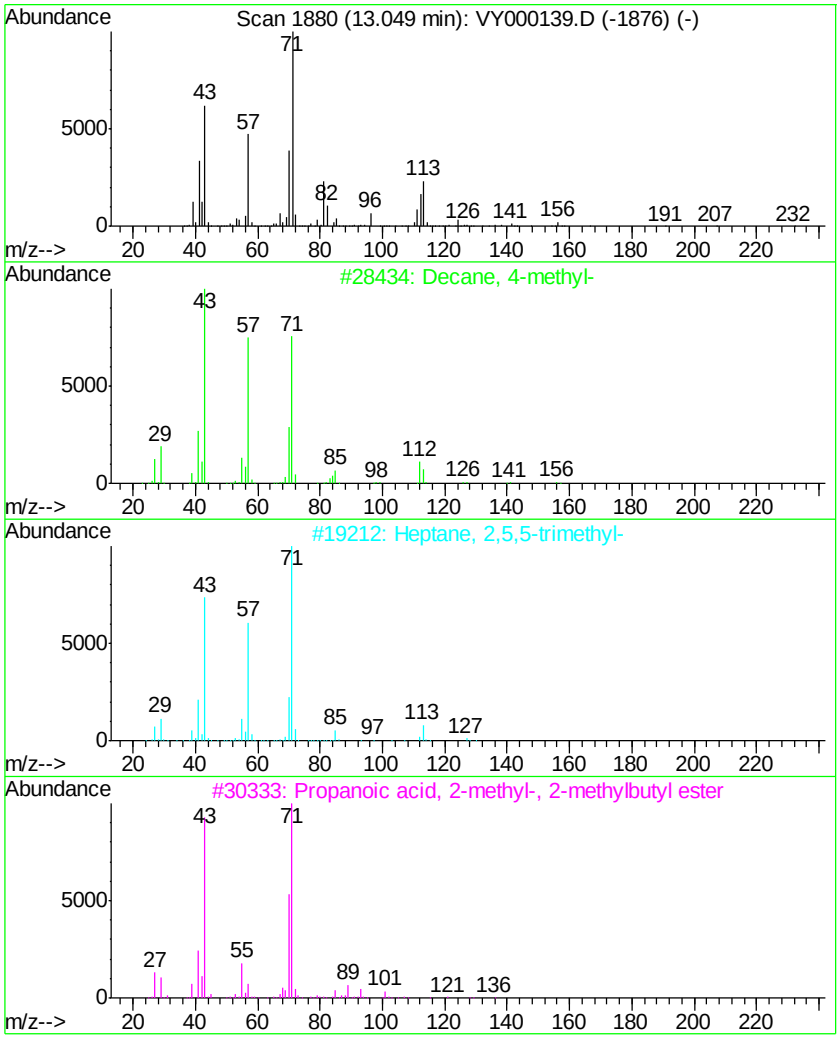
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

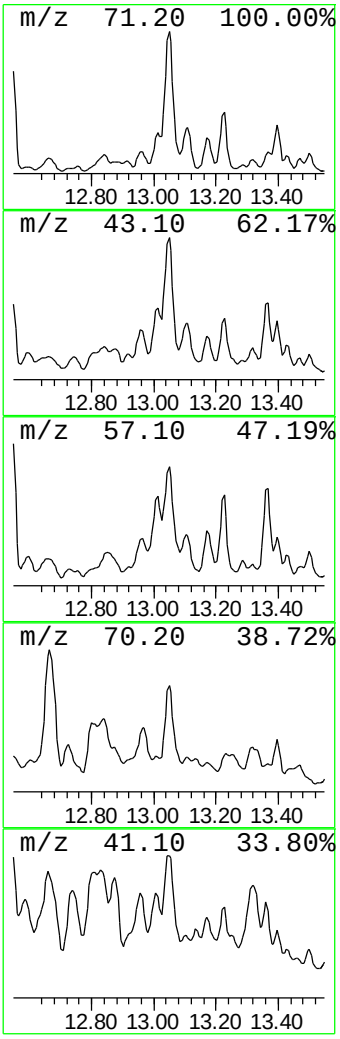
**********

Peak Number 7 Decane, 4-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.05 | 377.95 ug/l | 47632100 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 64 |
| 2 | Heptane, 2,5,5-trimethyl- | 142 | C10H22 | 001189-99-7 | 53 |
| 3 | Propanoic acid, 2-methyl-, 2-met... | 158 | C9H18O2 | 002445-69-4 | 53 |
| 4 | Butanoic acid, 2-methylbutyl ester | 158 | C9H18O2 | 051115-64-1 | 50 |
| 5 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 50 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

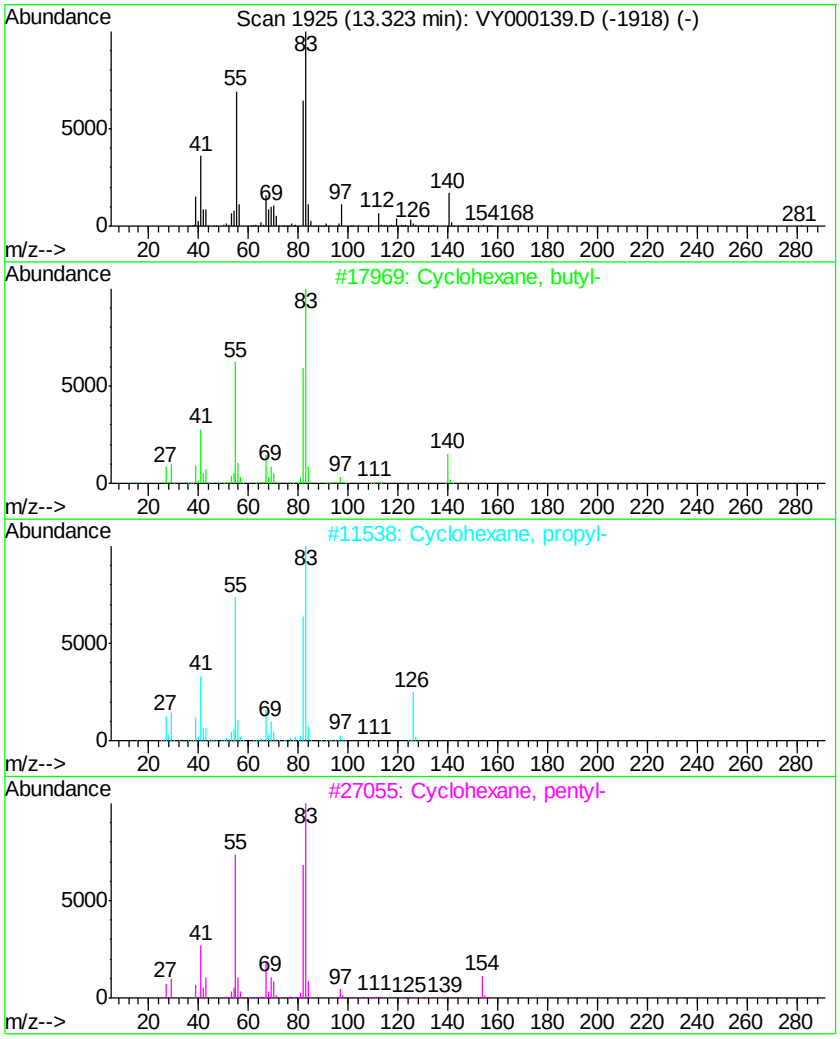
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

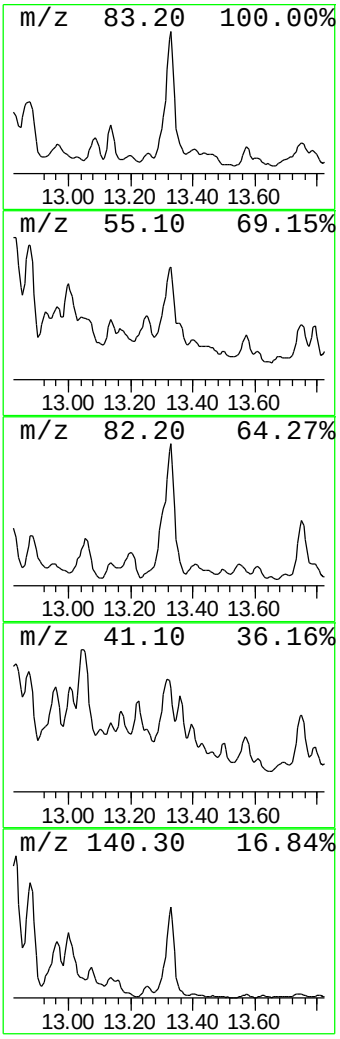
**********

Peak Number 8 Cyclohexane, butyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.32 | 304.46 ug/l | 38369900 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 93 |
| 2 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 87 |
| 3 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 83 |
| 4 | Cyclohexane, octyl- | 196 | C14H28 | 001795-15-9 | 72 |
| 5 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

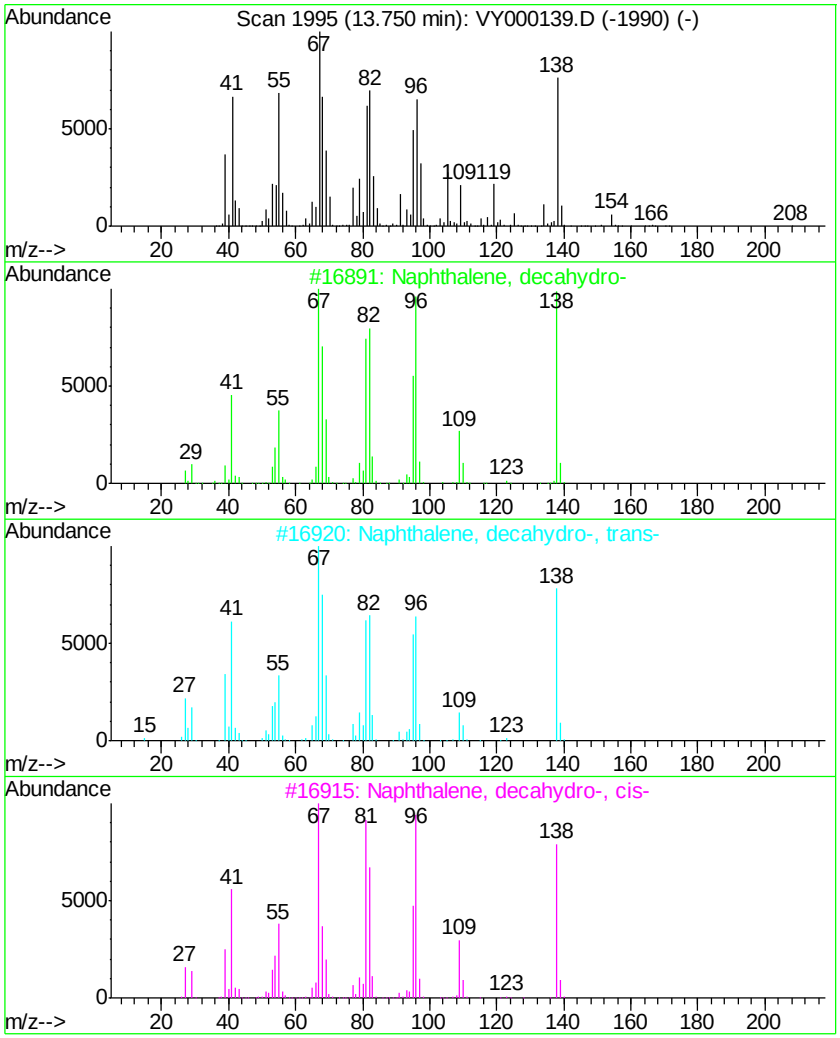
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

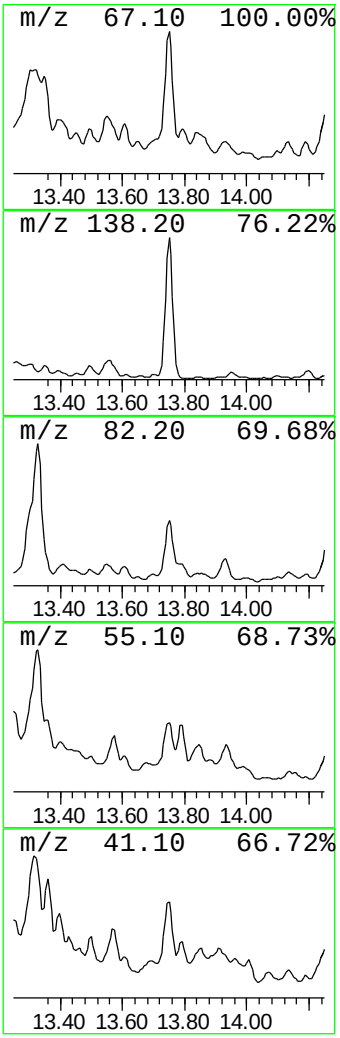
**********

Peak Number 9 Naphthalene, decahydro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.75 | 267.78 ug/l | 33747900 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 93 |
| 2 | Naphthalene, decahydro-, trans- | 138 | C10H18 | 000493-02-7 | 91 |
| 3 | Naphthalene, decahydro-, cis- | 138 | C10H18 | 000493-01-6 | 81 |
| 4 | Spiro[4.5]decane | 138 | C10H18 | 000176-63-6 | 74 |
| 5 | Bicyclo[3.1.0]hexan-2-one, 5-(1-... | 138 | C9H14O | 000513-20-2 | 72 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

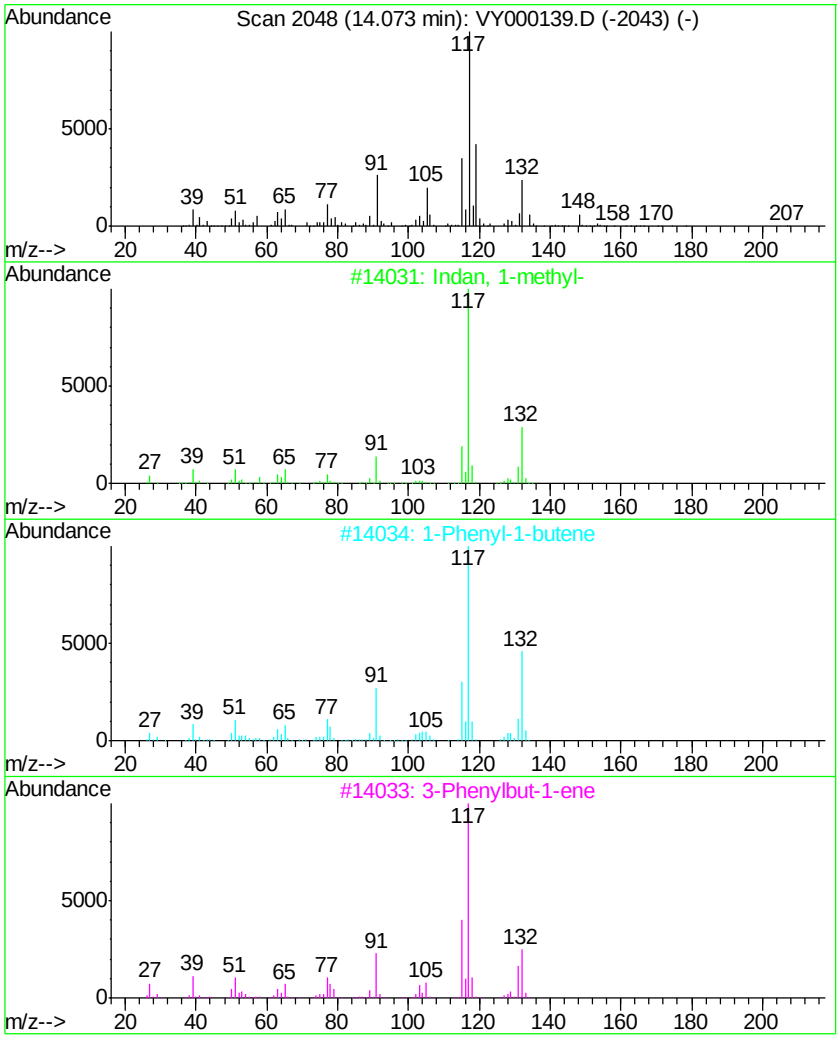
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

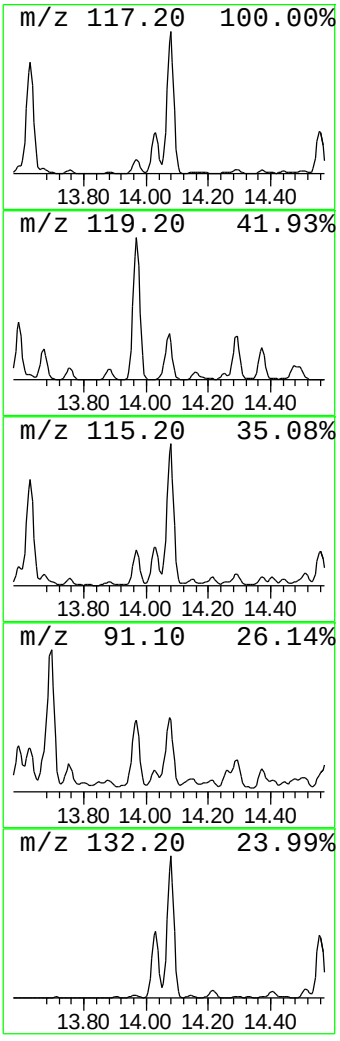
**********

Peak Number 10 Indan, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.07 | 186.69 ug/l | 23527900 | 1,4-Dichlorobenzene-d4 | 13.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 64 |
| 2 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 64 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 64 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 64 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 62 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Cyclopentane, 1,2... | 8.44 | 233.8 | ug/l | 68946800 | 2 | 8.71 | 14746900 | 50.0 |
| 1-Pentene, 2-methyl- | 9.64 | 227.1 | ug/l | 66992200 | 2 | 8.71 | 14746900 | 50.0 |
| Cyclohexane, 1-me... | 12.74 | 300.5 | ug/l | 37875200 | 4 | 13.45 | 6301360 | 50.0 |
| 4-Propylcyclohexa... | 12.82 | 704.7 | ug/l | 88807800 | 4 | 13.45 | 6301360 | 50.0 |
| cis-2-Oxabicyclo[... | 12.87 | 203.1 | ug/l | 25598400 | 4 | 13.45 | 6301360 | 50.0 |
| unknown12.96 | 12.96 | 165.3 | ug/l | 20837200 | 4 | 13.45 | 6301360 | 50.0 |
| Decane, 4-methyl- | 13.05 | 377.9 | ug/l | 47632100 | 4 | 13.45 | 6301360 | 50.0 |
| Cyclohexane, butyl- | 13.32 | 304.5 | ug/l | 38369900 | 4 | 13.45 | 6301360 | 50.0 |
| Naphthalene, deca... | 13.75 | 267.8 | ug/l | 33747900 | 4 | 13.45 | 6301360 | 50.0 |
| Indan, 1-methyl- | 14.07 | 186.7 | ug/l | 23527900 | 4 | 13.45 | 6301360 | 50.0 |