LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

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\82Y012120S.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 | 3.968 | 357 | 366 | 377 | rBV2 | 4458 | 12651 | 1.29% | 0.082% |
| 2 | 4.736 | 481 | 492 | 507 | rBV | 13501 | 39207 | 3.99% | 0.254% |
| 3 | 7.730 | 972 | 983 | 989 | rBV | 131835 | 307203 | 31.27% | 1.988% |
| 4 | 7.803 | 989 | 995 | 1008 | rVB | 230659 | 513996 | 52.31% | 3.327% |
| 5 | 8.156 | 1043 | 1053 | 1063 | rBV | 130015 | 285590 | 29.07% | 1.849% |
| 6 | 8.699 | 1132 | 1142 | 1155 | rBV | 373996 | 724982 | 73.79% | 4.693% |
| 7 | 9.193 | 1212 | 1223 | 1229 | rBV3 | 6555 | 14346 | 1.46% | 0.093% |
| 8 | 10.180 | 1377 | 1385 | 1391 | rBV | 575841 | 982542 | 100.00% | 6.360% |
| 9 | 10.247 | 1391 | 1396 | 1405 | rVB | 139784 | 235655 | 23.98% | 1.525% |
| 10 | 11.491 | 1592 | 1600 | 1611 | rBV | 507780 | 809455 | 82.38% | 5.239% |
| 11 | 11.595 | 1611 | 1617 | 1625 | rVB | 20536 | 32914 | 3.35% | 0.213% |
| 12 | 11.698 | 1625 | 1634 | 1646 | rBV | 66597 | 126618 | 12.89% | 0.820% |
| 13 | 12.028 | 1679 | 1688 | 1696 | rBV | 37360 | 62260 | 6.34% | 0.403% |
| 14 | 12.107 | 1696 | 1701 | 1709 | rBV2 | 6351 | 11967 | 1.22% | 0.077% |
| 15 | 12.485 | 1753 | 1763 | 1773 | rVB | 355232 | 566057 | 57.61% | 3.664% |
| 16 | 12.668 | 1782 | 1793 | 1798 | rVB2 | 8302 | 16282 | 1.66% | 0.105% |
| 17 | 12.735 | 1798 | 1804 | 1807 | rBV | 33146 | 50631 | 5.15% | 0.328% |
| 18 | 12.765 | 1807 | 1809 | 1812 | rVV | 14758 | 19960 | 2.03% | 0.129% |
| 19 | 12.808 | 1812 | 1816 | 1822 | rVB2 | 34277 | 54377 | 5.53% | 0.352% |
| 20 | 12.918 | 1829 | 1834 | 1838 | rBV | 27001 | 40176 | 4.09% | 0.260% |
| 21 | 12.973 | 1838 | 1843 | 1849 | rVV2 | 24940 | 39765 | 4.05% | 0.257% |
| 22 | 13.034 | 1849 | 1853 | 1857 | rVV4 | 6931 | 10616 | 1.08% | 0.069% |
| 23 | 13.119 | 1857 | 1867 | 1872 | rVV | 95720 | 172079 | 17.51% | 1.114% |
| 24 | 13.168 | 1872 | 1875 | 1879 | rVV | 14649 | 18951 | 1.93% | 0.123% |
| 25 | 13.253 | 1881 | 1889 | 1894 | rBV3 | 6558 | 12152 | 1.24% | 0.079% |
| 26 | 13.338 | 1894 | 1903 | 1911 | rBV4 | 35018 | 92059 | 9.37% | 0.596% |
| 27 | 13.424 | 1911 | 1917 | 1927 | rVV2 | 432519 | 762699 | 77.63% | 4.937% |
| 28 | 13.594 | 1940 | 1945 | 1946 | rBV2 | 17853 | 23360 | 2.38% | 0.151% |
| 29 | 13.625 | 1946 | 1950 | 1954 | rVV | 100018 | 154343 | 15.71% | 0.999% |
| 30 | 13.668 | 1954 | 1957 | 1966 | rVB3 | 74765 | 145245 | 14.78% | 0.940% |
| 31 | 13.753 | 1966 | 1971 | 1976 | rBV2 | 76058 | 118197 | 12.03% | 0.765% |
| 32 | 13.826 | 1978 | 1983 | 1988 | rBV | 40523 | 57157 | 5.82% | 0.370% |
| 33 | 13.887 | 1988 | 1993 | 1995 | rBV | 61041 | 86778 | 8.83% | 0.562% |
| 34 | 13.918 | 1995 | 1998 | 2002 | rVB | 73110 | 99069 | 10.08% | 0.641% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

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\82Y012120S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.972 | 2002 | 2007 | 2012 | rVB | 110773 | 158901 | 16.17% | 1.029% |
| 36 | 14.033 | 2012 | 2017 | 2020 | rBV | 27060 | 41782 | 4.25% | 0.270% |
| 37 | 14.082 | 2020 | 2025 | 2031 | rBV | 131728 | 208298 | 21.20% | 1.348% |
| 38 | 14.216 | 2041 | 2047 | 2050 | rVV | 52453 | 87544 | 8.91% | 0.567% |
| 39 | 14.259 | 2050 | 2054 | 2056 | rVV4 | 31472 | 52370 | 5.33% | 0.339% |
| 40 | 14.296 | 2056 | 2060 | 2063 | rVV | 80107 | 135306 | 13.77% | 0.876% |
| 41 | 14.338 | 2063 | 2067 | 2071 | rVB | 136183 | 195270 | 19.87% | 1.264% |
| 42 | 14.381 | 2071 | 2074 | 2078 | rBV | 75384 | 97909 | 9.96% | 0.634% |
| 43 | 14.424 | 2078 | 2081 | 2084 | rVB2 | 47678 | 57643 | 5.87% | 0.373% |
| 44 | 14.521 | 2088 | 2097 | 2100 | rBV3 | 92966 | 181002 | 18.42% | 1.172% |
| 45 | 14.570 | 2100 | 2105 | 2109 | rVV2 | 199122 | 365441 | 37.19% | 2.365% |
| 46 | 14.613 | 2109 | 2112 | 2117 | rVB | 189202 | 270015 | 27.48% | 1.748% |
| 47 | 14.686 | 2117 | 2124 | 2129 | rBV4 | 459036 | 952193 | 96.91% | 6.163% |
| 48 | 14.741 | 2129 | 2133 | 2139 | rVB3 | 74355 | 133601 | 13.60% | 0.865% |
| 49 | 14.838 | 2143 | 2149 | 2156 | rVB | 339531 | 524402 | 53.37% | 3.394% |
| 50 | 14.911 | 2156 | 2161 | 2162 | rBV | 49746 | 66316 | 6.75% | 0.429% |
| 51 | 14.948 | 2162 | 2167 | 2170 | rVV3 | 143582 | 276838 | 28.18% | 1.792% |
| 52 | 14.984 | 2170 | 2173 | 2177 | rVV | 97285 | 152855 | 15.56% | 0.989% |
| 53 | 15.058 | 2179 | 2185 | 2191 | rVB3 | 153887 | 343055 | 34.92% | 2.221% |
| 54 | 15.137 | 2196 | 2198 | 2204 | rVB4 | 34260 | 49461 | 5.03% | 0.320% |
| 55 | 15.216 | 2204 | 2211 | 2213 | rBV5 | 60234 | 125846 | 12.81% | 0.815% |
| 56 | 15.295 | 2219 | 2224 | 2228 | rBV | 179305 | 277966 | 28.29% | 1.799% |
| 57 | 15.350 | 2228 | 2233 | 2239 | rBV4 | 126449 | 328416 | 33.43% | 2.126% |
| 58 | 15.436 | 2244 | 2247 | 2255 | rVB3 | 146664 | 238928 | 24.32% | 1.547% |
| 59 | 15.527 | 2255 | 2262 | 2269 | rBV3 | 149832 | 311920 | 31.75% | 2.019% |
| 60 | 15.606 | 2269 | 2275 | 2280 | rVB3 | 30560 | 54493 | 5.55% | 0.353% |
| 61 | 15.692 | 2280 | 2289 | 2290 | rBV4 | 109224 | 201170 | 20.47% | 1.302% |
| 62 | 15.728 | 2290 | 2295 | 2303 | rVB | 390636 | 724341 | 73.72% | 4.688% |
| 63 | 15.814 | 2305 | 2309 | 2315 | rBV3 | 36644 | 69379 | 7.06% | 0.449% |
| 64 | 15.887 | 2315 | 2321 | 2337 | rVB4 | 103925 | 318493 | 32.42% | 2.062% |
| 65 | 16.039 | 2338 | 2346 | 2352 | rBV | 211892 | 446422 | 45.44% | 2.890% |
| 66 | 16.161 | 2362 | 2366 | 2369 | rBV4 | 14604 | 23513 | 2.39% | 0.152% |
| 67 | 16.228 | 2369 | 2377 | 2383 | rVV3 | 171650 | 389991 | 39.69% | 2.524% |
| 68 | 16.295 | 2383 | 2388 | 2394 | rVV4 | 108726 | 248111 | 25.25% | 1.606% |
| 69 | 16.362 | 2395 | 2399 | 2408 | rVB4 | 72767 | 153482 | 15.62% | 0.993% |
| 70 | 16.496 | 2413 | 2421 | 2427 | rVV6 | 73592 | 222569 | 22.65% | 1.441% |
| 71 | 16.551 | 2427 | 2430 | 2436 | rVV2 | 44801 | 77363 | 7.87% | 0.501% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

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\82Y012120S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.630 | 2436 | 2443 | 2452 | rVB3 | 48940 | 127190 | 12.94% | 0.823% |
| 73 | 16.844 | 2469 | 2478 | 2487 | rVB7 | 17152 | 60217 | 6.13% | 0.390% |

Sum of corrected areas: 15449351

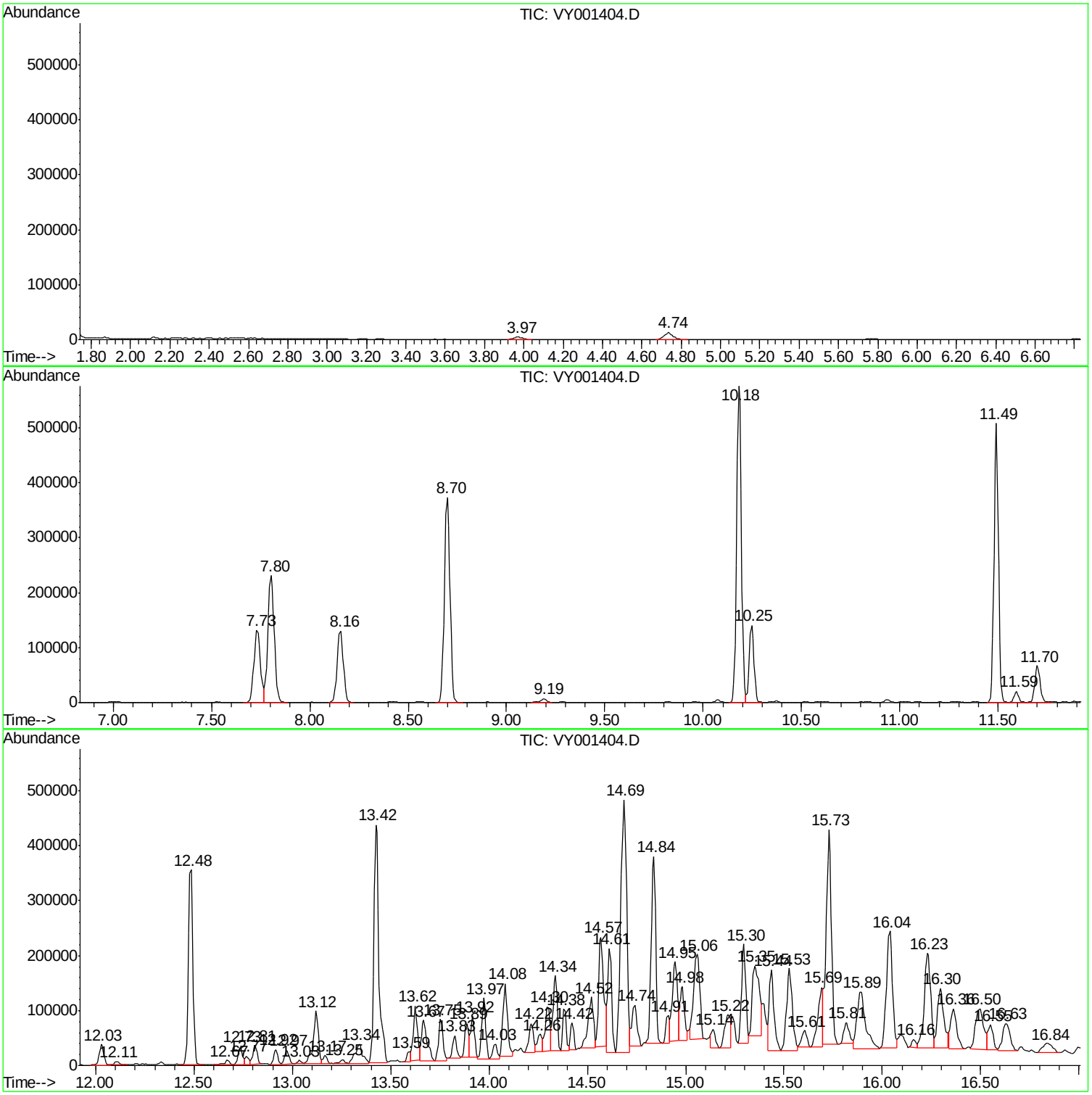
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

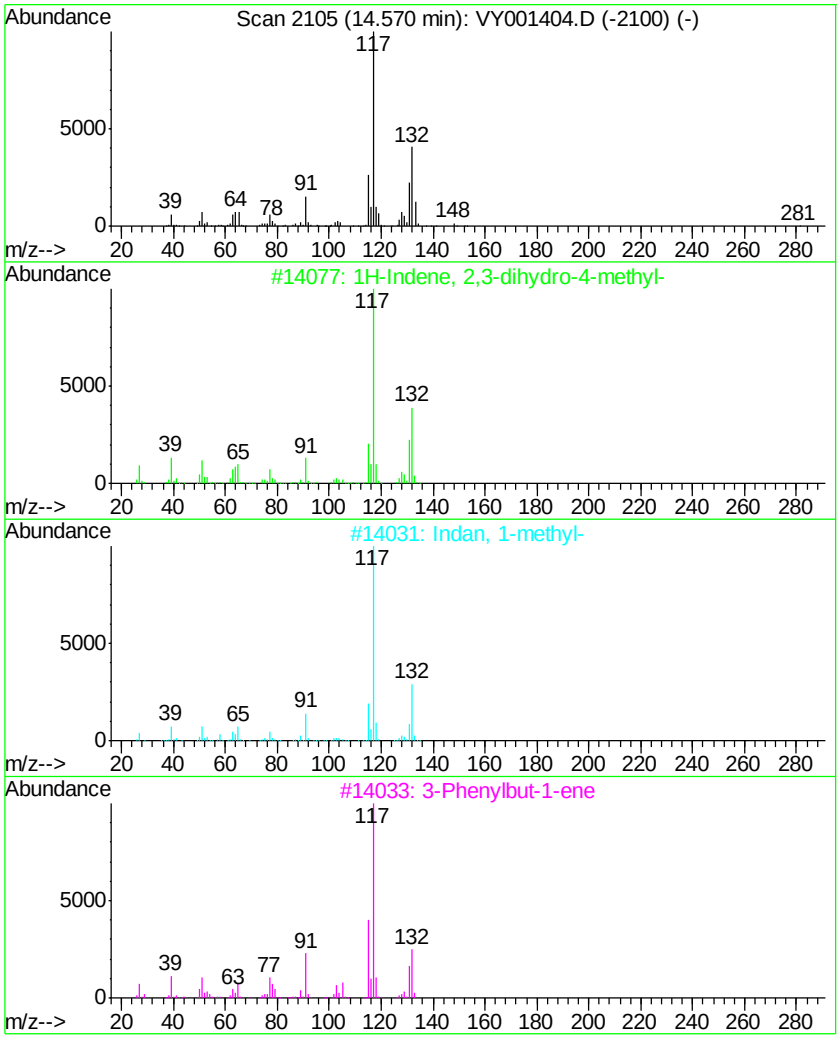
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

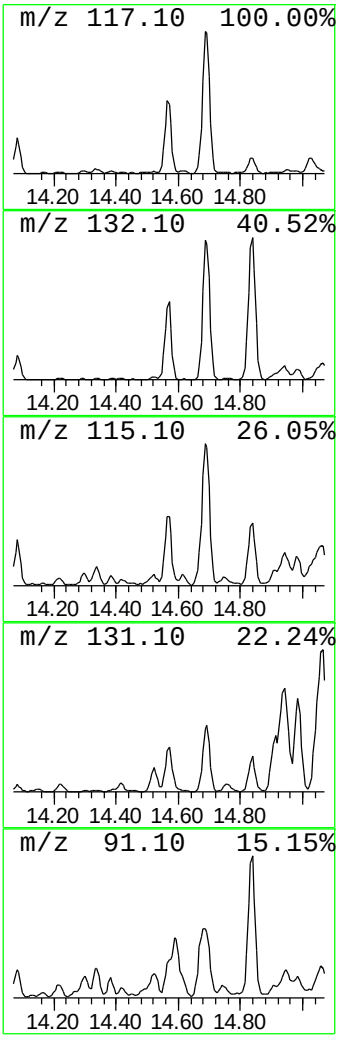
**********

Peak Number 1 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.57 | 23.96 ug/l | 365441 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 93 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 86 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 80 |
| 5 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 78 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

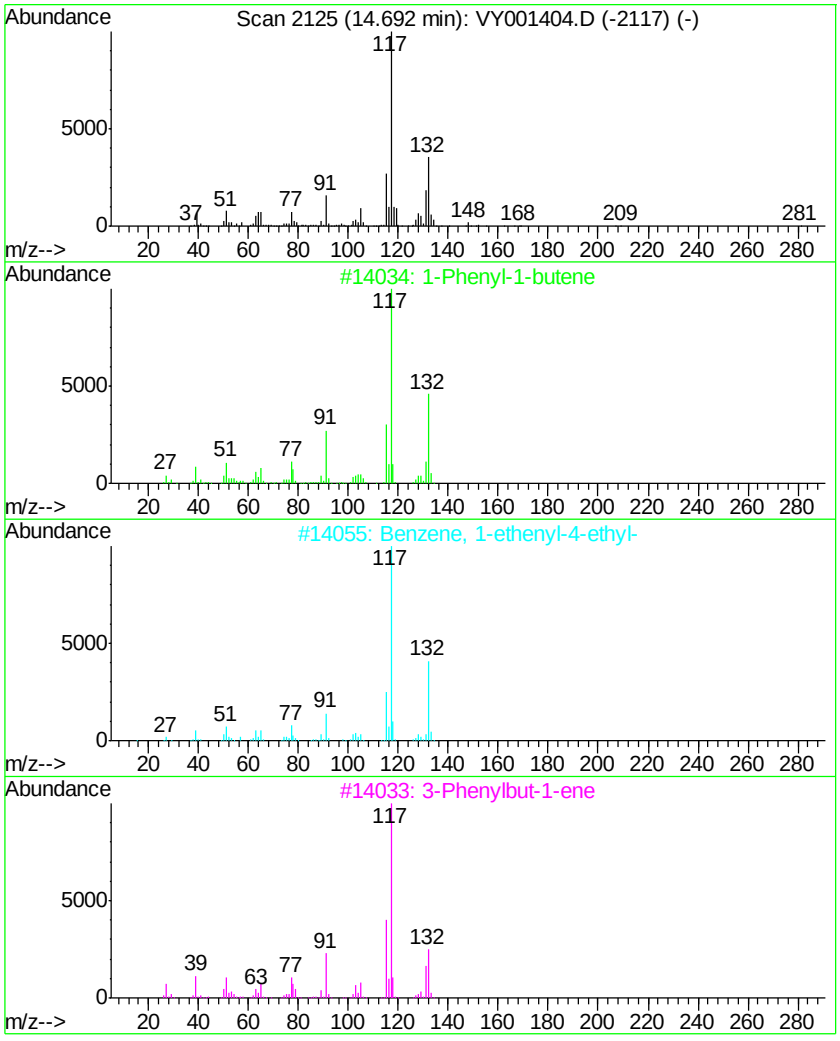
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

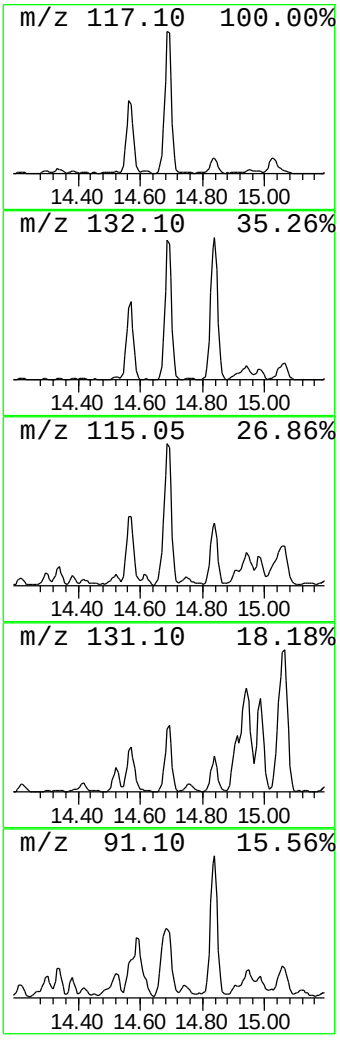
**********

Peak Number 2 1-Phenyl-1-butene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 62.42 ug/l | 952193 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 91 |
| 2 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 90 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 87 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

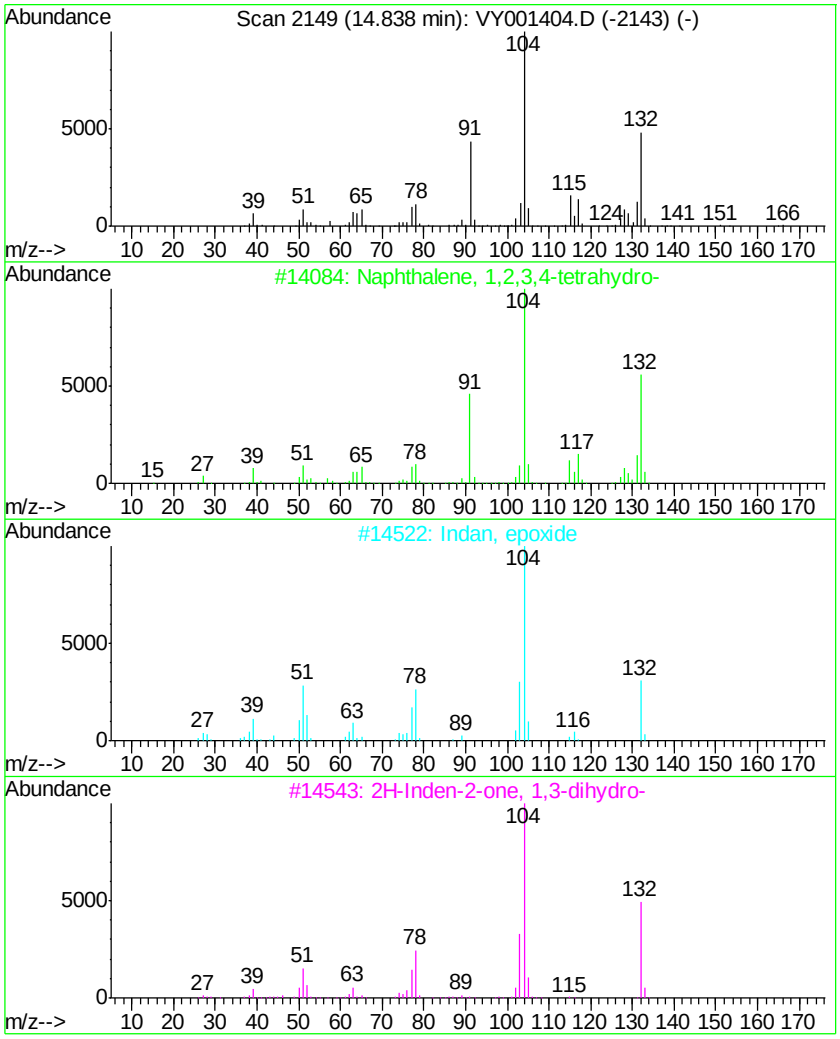
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

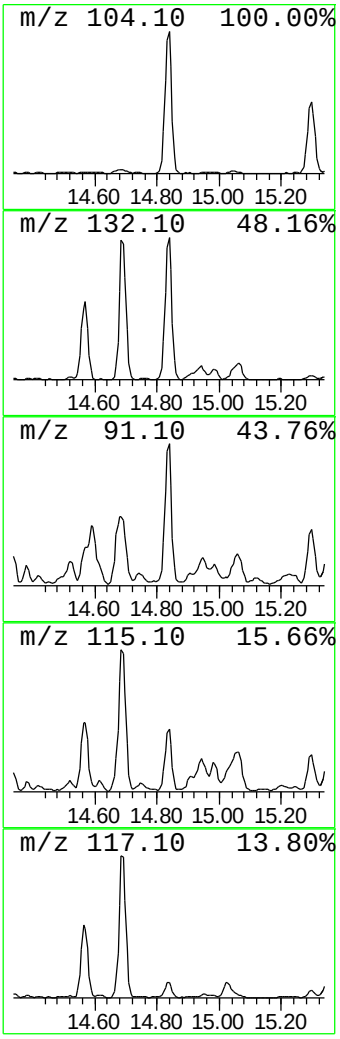
**********

Peak Number 3 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.84 | 34.38 ug/l | 524402 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 96 |
| 2 | Indan, epoxide | 132 | C9H8O | 000768-22-9 | 58 |
| 3 | 2H-Inden-2-one, 1,3-dihydro- | 132 | C9H8O | 000615-13-4 | 53 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-92-1 | 40 |
| 5 | 2-Furanone, 4-phenyltetrahydro | 162 | C10H10O2 | 1000197-38-4 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

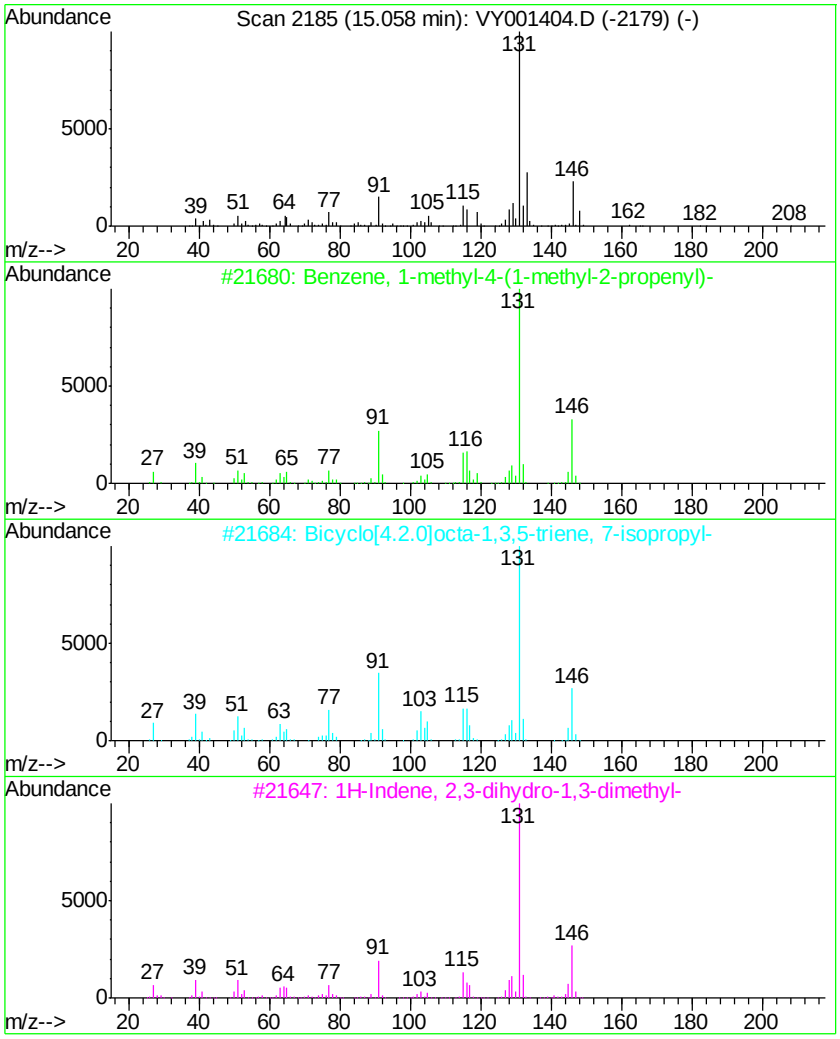
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

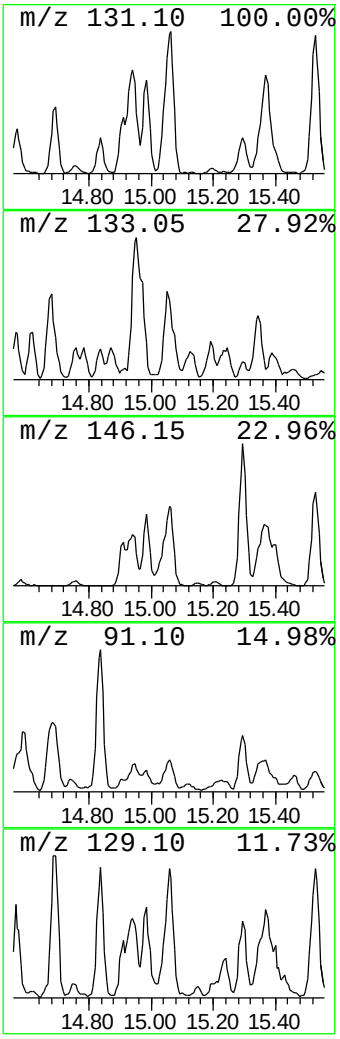
**********

Peak Number 4 Benzene, 1-methyl-4-(1-meth... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.06 | 22.49 ug/l | 343055 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 83 |
| 2 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 81 |
| 3 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 81 |
| 4 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 81 |
| 5 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 81 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

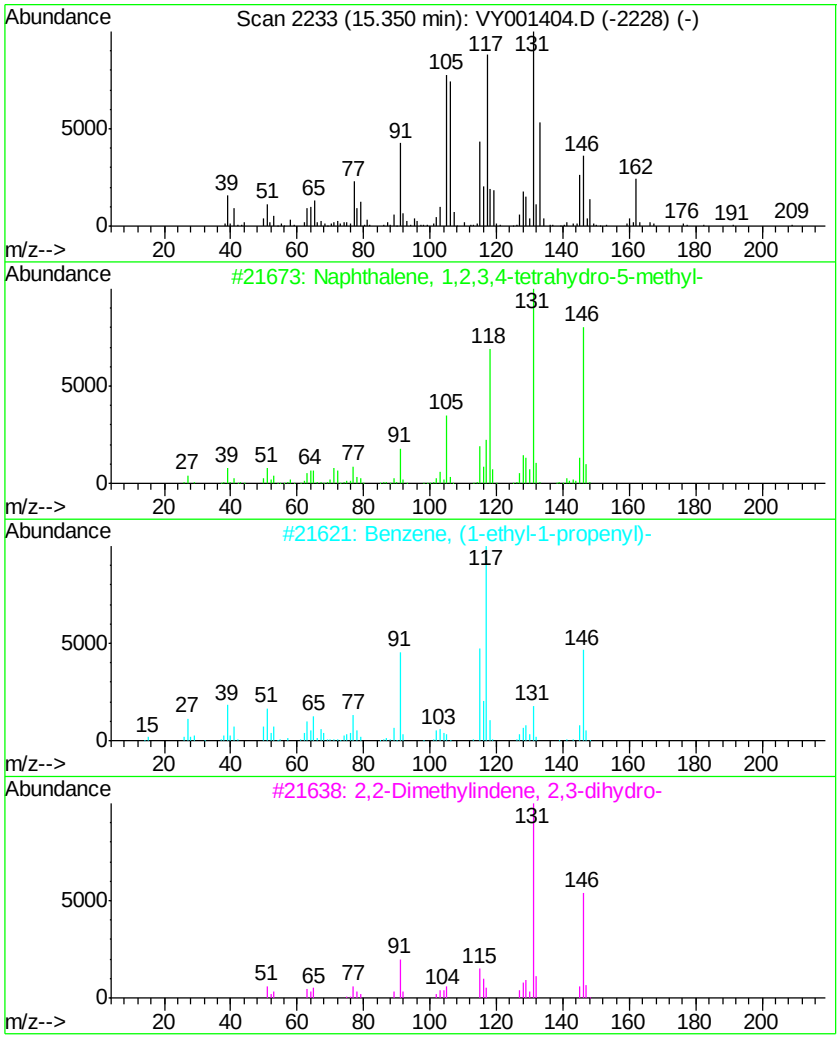
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

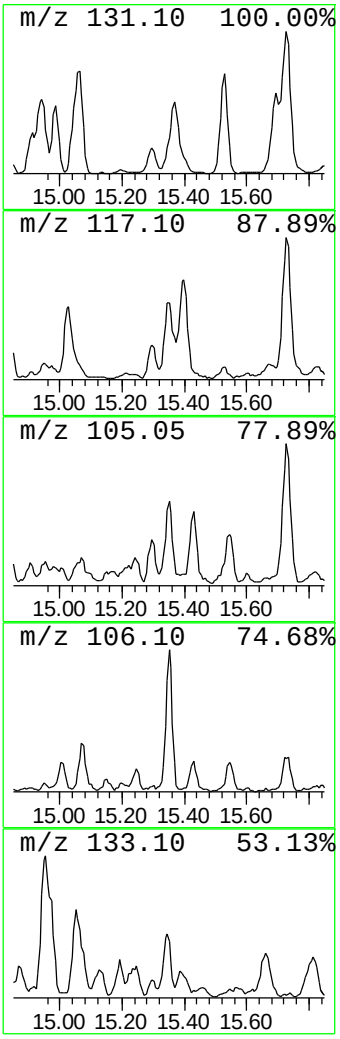
**********

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.35 | 21.53 ug/l | 328416 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 50 |
| 2 | Benzene, (1-ethyl-1-propenyl)- | 146 | C11H14 | 004701-36-4 | 38 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 38 |
| 4 | Benzene, (1,1-dimethyl-2-propenyl)- | 146 | C11H14 | 018321-36-3 | 38 |
| 5 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 38 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

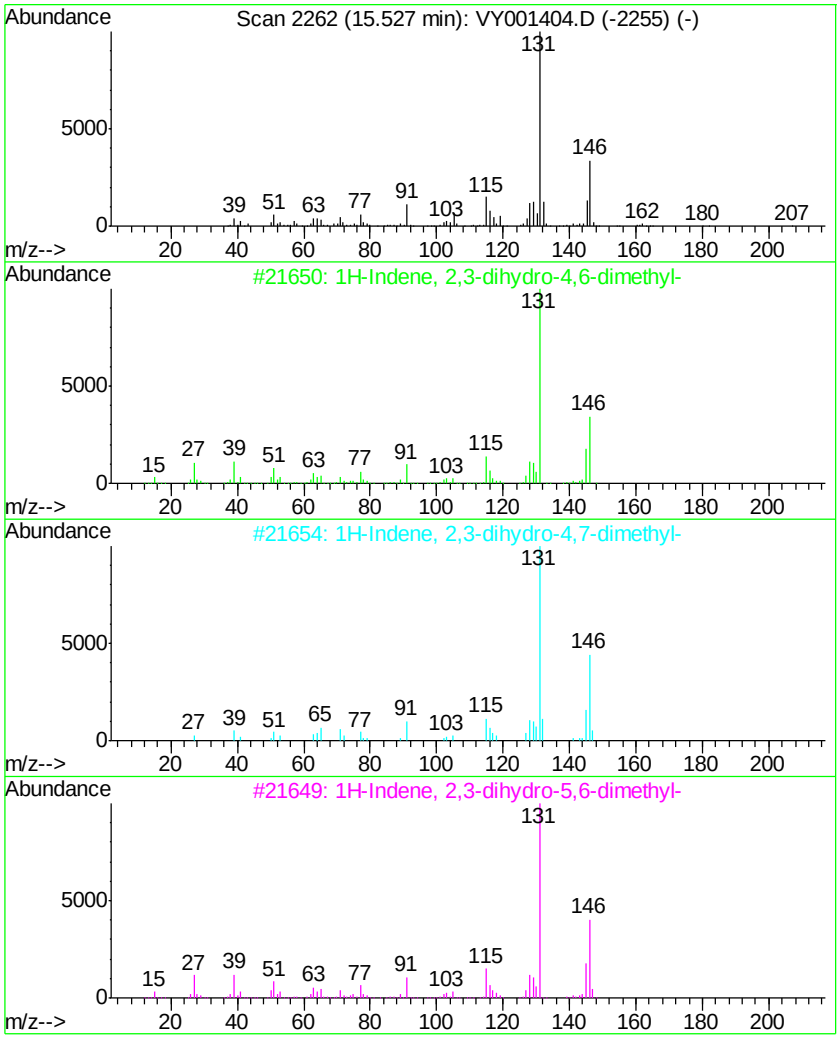
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

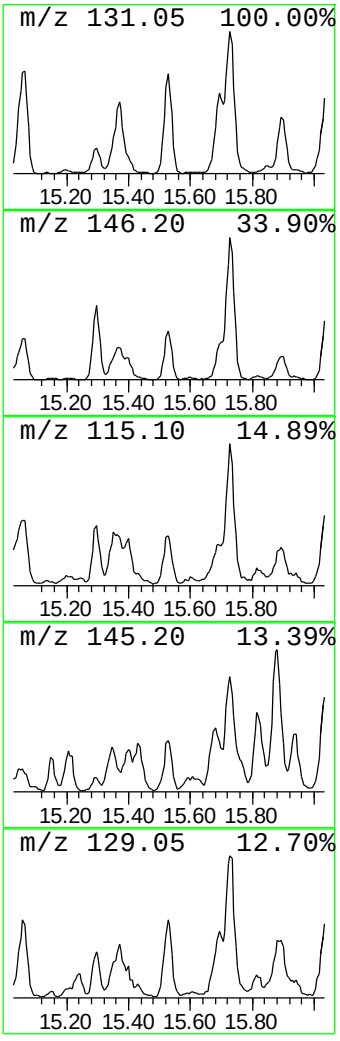
**********

Peak Number 6 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.53 | 20.45 ug/l | 311920 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14 | 001685-82-1 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 93 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 91 |
| 5 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

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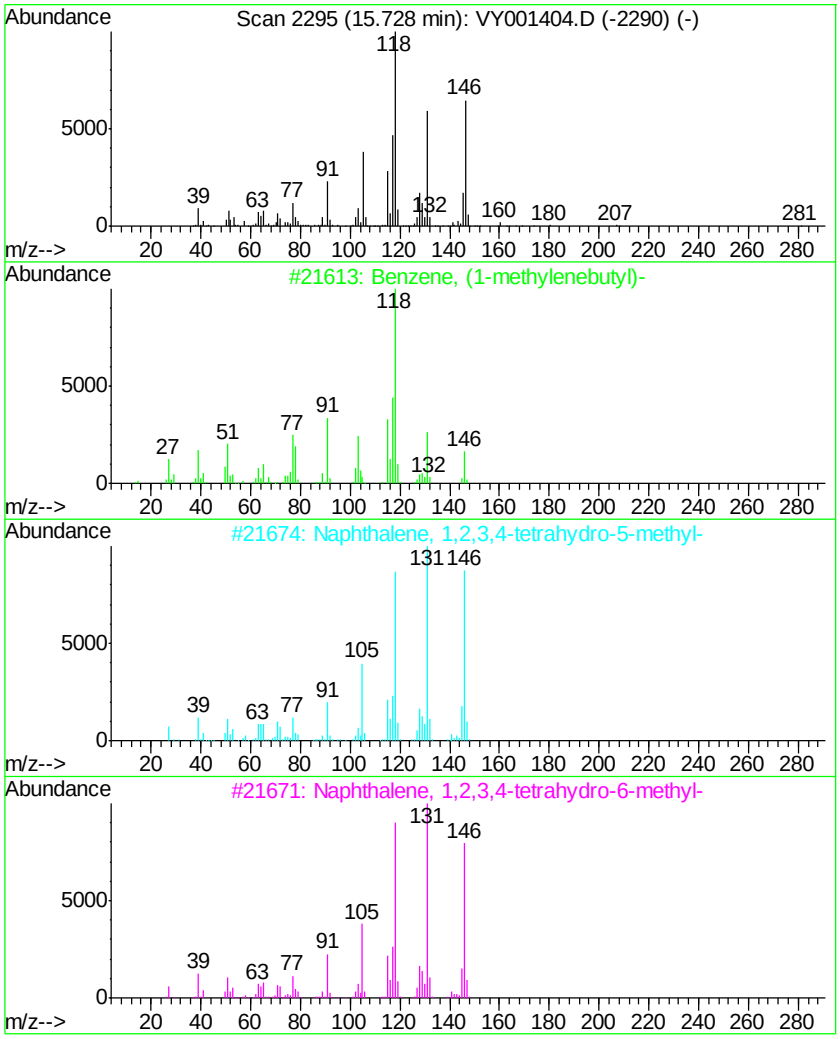
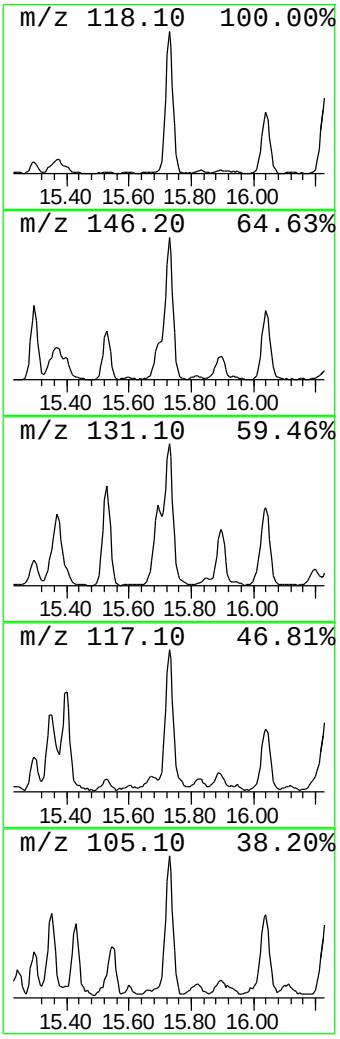
Peak Number 7 Benzene, (1-methylenebutyl)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.73 | 47.49 ug/l | 724341 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methylenebutyl)- | 146 | C11H14 | 005676-32-4 | 91 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 83 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 58 |
| 4 | 1(2H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000529-34-0 | 49 |
| 5 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 46 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

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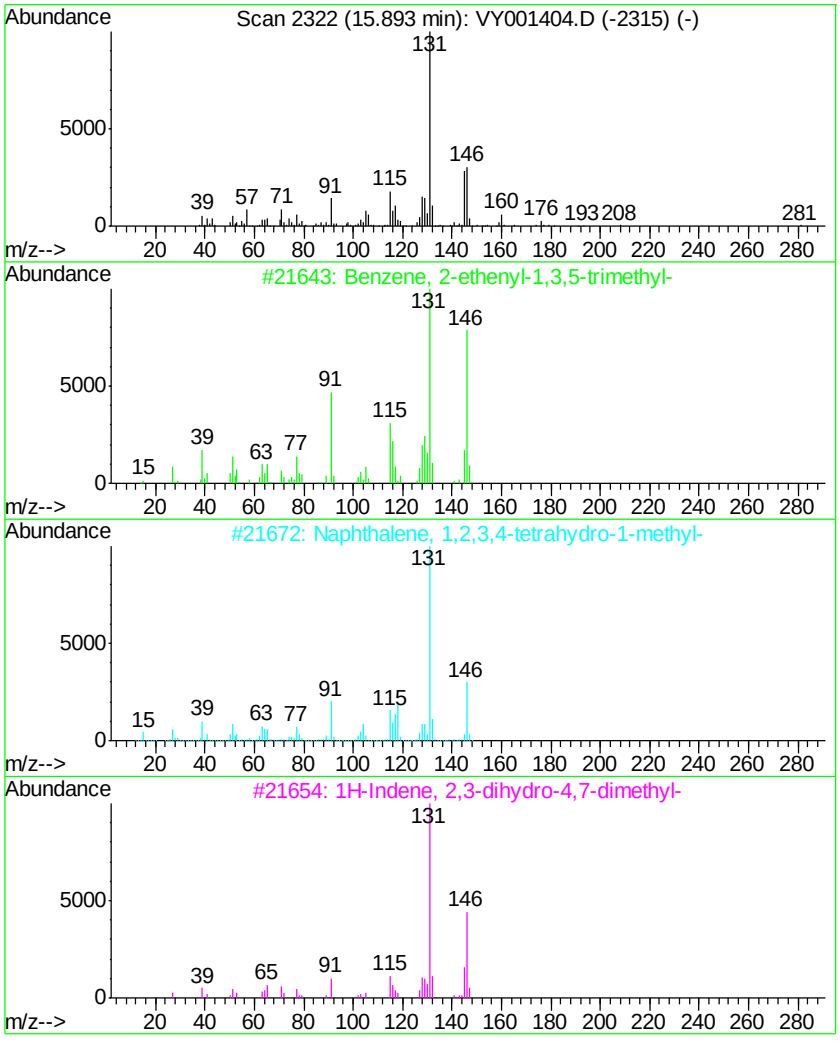
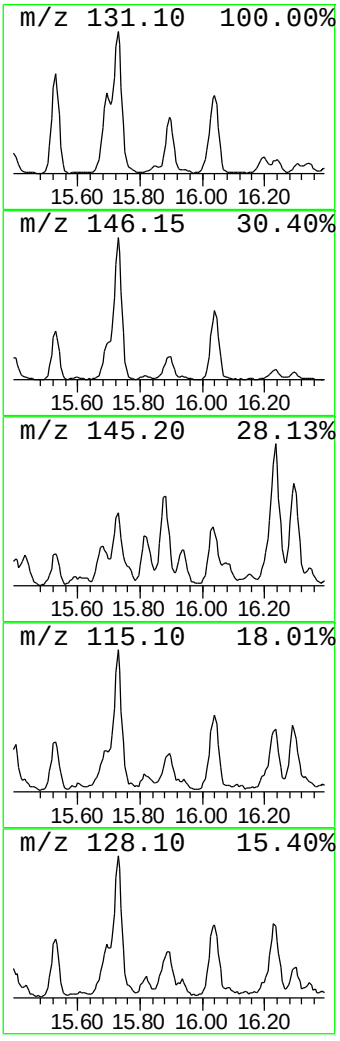
Peak Number 8 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.89 | 20.88 ug/l | 318493 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 76 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 70 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 70 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 70 |
| 5 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

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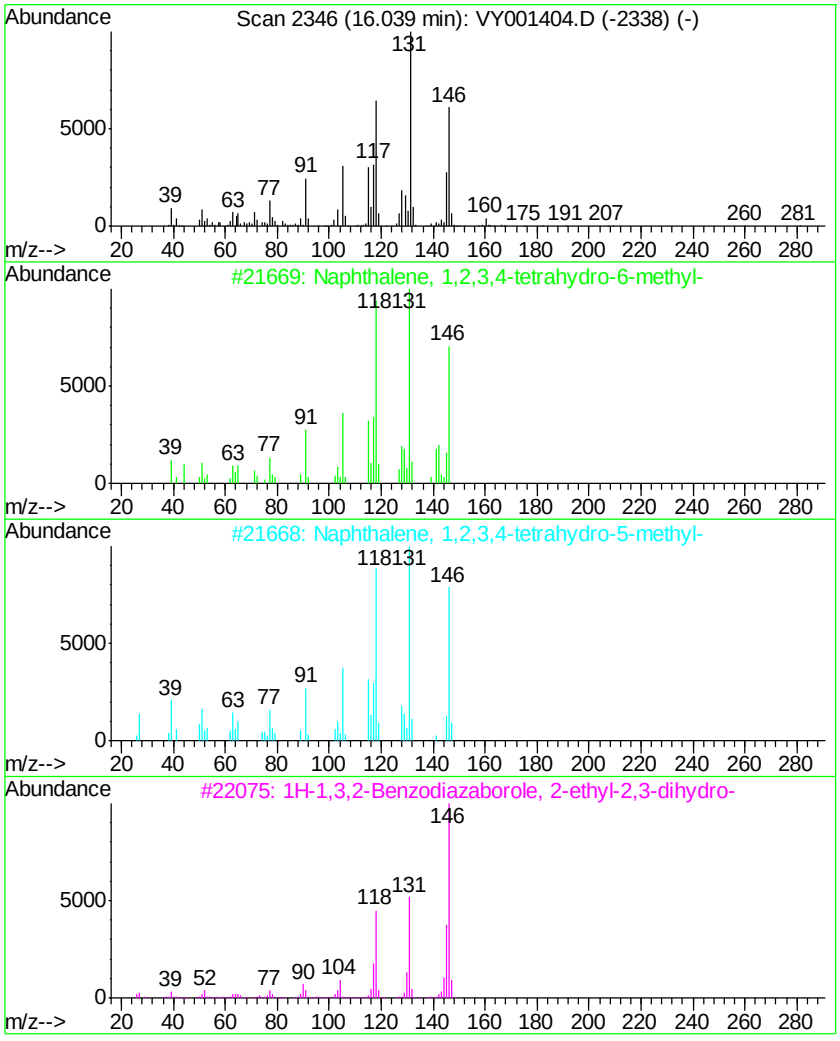
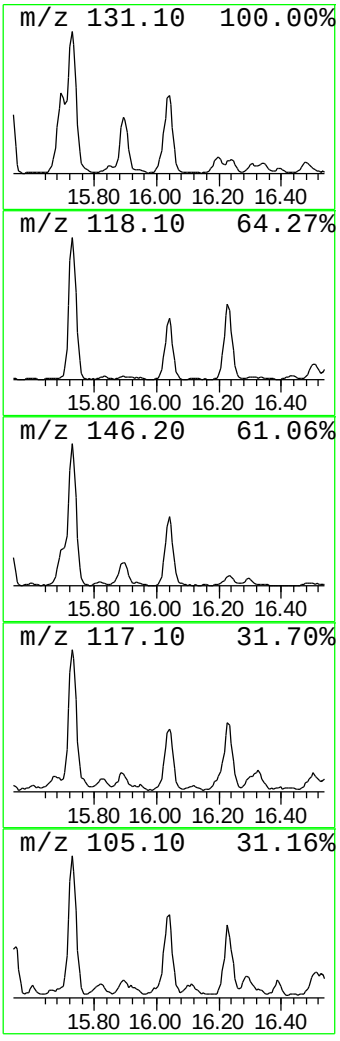
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.04 | 29.27 ug/l | 446422 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 98 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 96 |
| 3 | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 91 |
| 4 | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14 | 1000189-31-0 | 91 |
| 5 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

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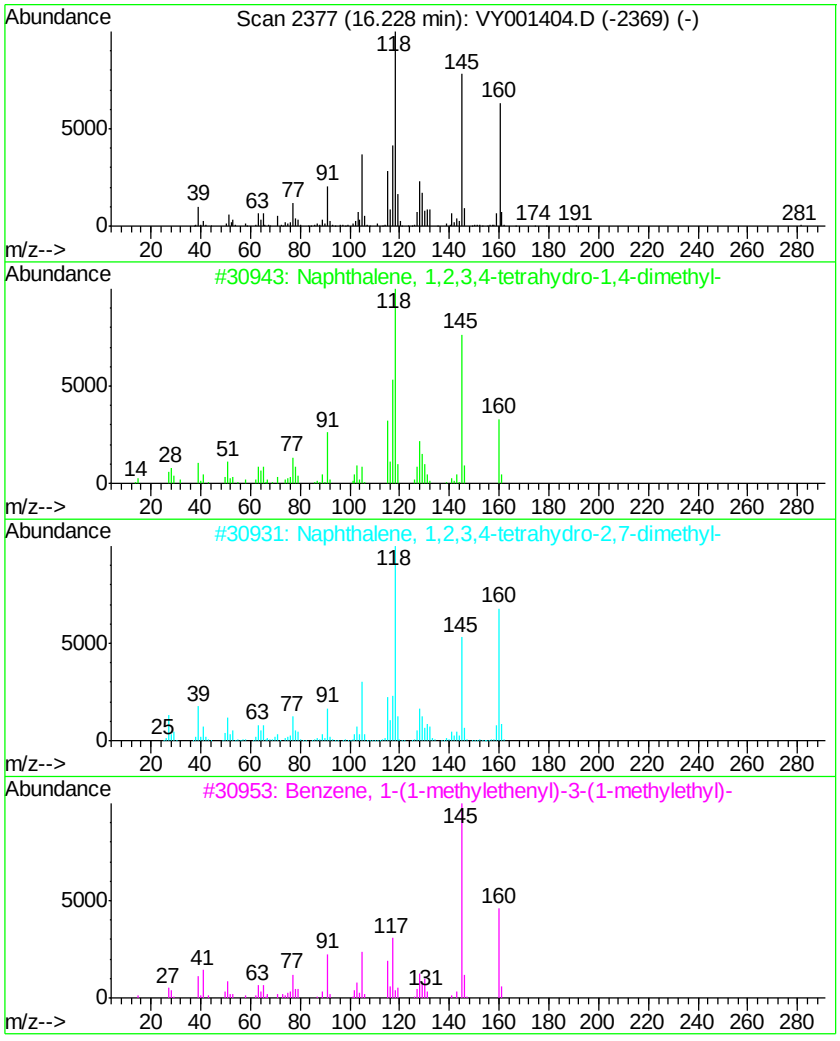
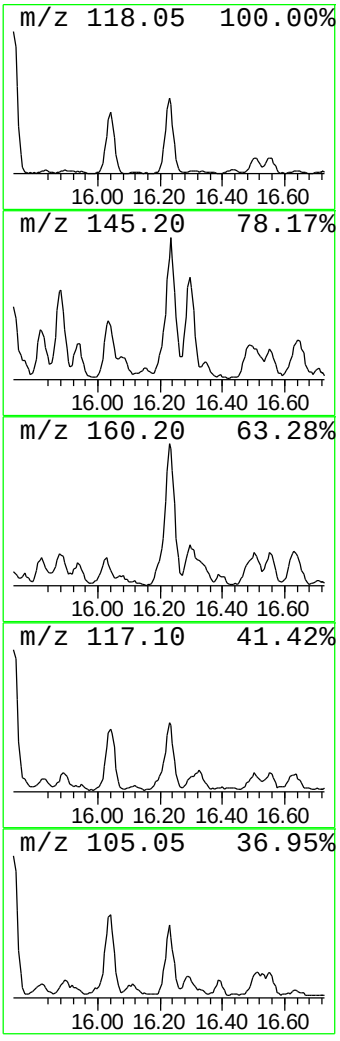
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.23 | 25.57 ug/l | 389991 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 94 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 013065-07-1 | 70 |
| 3 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 70 |
| 4 | 1(2H)-Naphthalenone, 3,4-dihydro... | 160 | C11H12O | 014944-23-1 | 68 |
| 5 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
Data File : VY001404.D
Acq On : 27 Jan 2020 14:38
Operator : SY/MD
Sample : L1007-01
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** JC-03-012320-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.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 |
| 1H-Indene, 2,3-di... | 14.57 | 24.0 | ug/l | 365441 | 4 | 13.43 | 762699 | 50.0 |
| 1-Phenyl-1-butene | 14.69 | 62.4 | ug/l | 952193 | 4 | 13.43 | 762699 | 50.0 |
| Naphthalene, 1,2,... | 14.84 | 34.4 | ug/l | 524402 | 4 | 13.43 | 762699 | 50.0 |
| Benzene, 1-methyl... | 15.06 | 22.5 | ug/l | 343055 | 4 | 13.43 | 762699 | 50.0 |
| Naphthalene, 1,2,... | 15.35 | 21.5 | ug/l | 328416 | 4 | 13.43 | 762699 | 50.0 |
| 1H-Indene, 2,3-di... | 15.53 | 20.4 | ug/l | 311920 | 4 | 13.43 | 762699 | 50.0 |
| Benzene, (1-methy... | 15.73 | 47.5 | ug/l | 724341 | 4 | 13.43 | 762699 | 50.0 |
| Benzene, 2-etheny... | 15.89 | 20.9 | ug/l | 318493 | 4 | 13.43 | 762699 | 50.0 |
| Naphthalene, 1,2,... | 16.04 | 29.3 | ug/l | 446422 | 4 | 13.43 | 762699 | 50.0 |
| Naphthalene, 1,2,... | 16.23 | 25.6 | ug/l | 389991 | 4 | 13.43 | 762699 | 50.0 |