LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

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_X\METHOD\82X060418W.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 | 1.075 | 76 | 80 | 94 | rBV | 2058269 | 2493344 | 100.00% | 12.113% |
| 2 | 1.276 | 108 | 113 | 120 | rBV | 74767 | 106073 | 4.25% | 0.515% |
| 3 | 2.934 | 380 | 385 | 398 | rVB2 | 22993 | 59896 | 2.40% | 0.291% |
| 4 | 3.178 | 417 | 425 | 434 | rVB2 | 16321 | 38754 | 1.55% | 0.188% |
| 5 | 4.397 | 616 | 625 | 638 | rVB2 | 26701 | 78609 | 3.15% | 0.382% |
| 6 | 5.507 | 794 | 807 | 815 | rBV | 139033 | 406757 | 16.31% | 1.976% |
| 7 | 5.580 | 815 | 819 | 825 | rVV3 | 37482 | 103435 | 4.15% | 0.502% |
| 8 | 5.672 | 825 | 834 | 861 | rVB | 217465 | 653891 | 26.23% | 3.177% |
| 9 | 5.946 | 868 | 879 | 889 | rBV5 | 15331 | 50884 | 2.04% | 0.247% |
| 10 | 6.074 | 891 | 900 | 906 | rBV | 165543 | 425117 | 17.05% | 2.065% |
| 11 | 6.147 | 906 | 912 | 923 | rVB | 271157 | 691536 | 27.74% | 3.359% |
| 12 | 6.306 | 924 | 938 | 945 | rBV3 | 56498 | 182009 | 7.30% | 0.884% |
| 13 | 6.458 | 955 | 963 | 974 | rVB3 | 19182 | 58380 | 2.34% | 0.284% |
| 14 | 6.867 | 1020 | 1030 | 1043 | rBV | 322925 | 771645 | 30.95% | 3.749% |
| 15 | 7.464 | 1117 | 1128 | 1138 | rBV3 | 51866 | 133309 | 5.35% | 0.648% |
| 16 | 7.933 | 1198 | 1205 | 1207 | rVV2 | 27966 | 54278 | 2.18% | 0.264% |
| 17 | 7.958 | 1207 | 1209 | 1216 | rVV3 | 33713 | 58441 | 2.34% | 0.284% |
| 18 | 8.031 | 1216 | 1221 | 1230 | rVB4 | 13230 | 28527 | 1.14% | 0.139% |
| 19 | 8.580 | 1305 | 1311 | 1319 | rVB3 | 21197 | 44764 | 1.80% | 0.217% |
| 20 | 8.671 | 1319 | 1326 | 1328 | rBV3 | 28879 | 51657 | 2.07% | 0.251% |
| 21 | 8.720 | 1328 | 1334 | 1342 | rVB | 809860 | 1243786 | 49.88% | 6.042% |
| 22 | 8.842 | 1349 | 1354 | 1358 | rBV | 23905 | 37576 | 1.51% | 0.183% |
| 23 | 9.043 | 1381 | 1387 | 1393 | rVB | 48251 | 75231 | 3.02% | 0.365% |
| 24 | 9.165 | 1396 | 1407 | 1413 | rVB3 | 25658 | 51254 | 2.06% | 0.249% |
| 25 | 9.573 | 1469 | 1474 | 1479 | rVB2 | 18673 | 31257 | 1.25% | 0.152% |
| 26 | 9.628 | 1479 | 1483 | 1487 | rBV2 | 18332 | 28589 | 1.15% | 0.139% |
| 27 | 9.683 | 1487 | 1492 | 1496 | rBV2 | 23235 | 33074 | 1.33% | 0.161% |
| 28 | 10.116 | 1554 | 1563 | 1568 | rBV | 693645 | 921005 | 36.94% | 4.474% |
| 29 | 10.189 | 1572 | 1575 | 1580 | rVB2 | 21199 | 32035 | 1.28% | 0.156% |
| 30 | 10.342 | 1595 | 1600 | 1609 | rVB5 | 26490 | 70019 | 2.81% | 0.340% |
| 31 | 10.665 | 1642 | 1653 | 1657 | rBV5 | 54333 | 111797 | 4.48% | 0.543% |
| 32 | 10.701 | 1657 | 1659 | 1670 | rVB2 | 24723 | 39210 | 1.57% | 0.190% |
| 33 | 10.841 | 1670 | 1682 | 1688 | rBV3 | 33548 | 63257 | 2.54% | 0.307% |
| 34 | 10.921 | 1689 | 1695 | 1698 | rBV6 | 19359 | 36350 | 1.46% | 0.177% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

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_X\METHOD\82X060418W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.024 | 1707 | 1712 | 1716 | rBV | 157454 | 212030 | 8.50% | 1.030% |
| 36 | 11.140 | 1726 | 1731 | 1736 | rBV | 706154 | 874962 | 35.09% | 4.251% |
| 37 | 11.280 | 1743 | 1754 | 1762 | rBV8 | 22238 | 53018 | 2.13% | 0.258% |
| 38 | 11.366 | 1763 | 1768 | 1772 | rBV | 92473 | 118854 | 4.77% | 0.577% |
| 39 | 11.494 | 1786 | 1789 | 1799 | rVB8 | 13123 | 29559 | 1.19% | 0.144% |
| 40 | 11.671 | 1814 | 1818 | 1826 | rBV | 55542 | 84766 | 3.40% | 0.412% |
| 41 | 11.774 | 1831 | 1835 | 1837 | rVV | 28533 | 41209 | 1.65% | 0.200% |
| 42 | 11.805 | 1837 | 1840 | 1845 | rVB3 | 21057 | 28367 | 1.14% | 0.138% |
| 43 | 11.921 | 1853 | 1859 | 1861 | rBV2 | 33387 | 51474 | 2.06% | 0.250% |
| 44 | 11.951 | 1861 | 1864 | 1872 | rVV | 98631 | 139793 | 5.61% | 0.679% |
| 45 | 12.085 | 1880 | 1886 | 1891 | rVV | 777587 | 1012278 | 40.60% | 4.918% |
| 46 | 12.140 | 1891 | 1895 | 1899 | rVV3 | 21386 | 39302 | 1.58% | 0.191% |
| 47 | 12.195 | 1899 | 1904 | 1907 | rVV6 | 17550 | 42427 | 1.70% | 0.206% |
| 48 | 12.238 | 1907 | 1911 | 1917 | rVB | 71596 | 93098 | 3.73% | 0.452% |
| 49 | 12.305 | 1917 | 1922 | 1926 | rBV2 | 136624 | 173980 | 6.98% | 0.845% |
| 50 | 12.372 | 1930 | 1933 | 1941 | rVB3 | 68901 | 127437 | 5.11% | 0.619% |
| 51 | 12.463 | 1941 | 1948 | 1955 | rBV | 81370 | 124046 | 4.98% | 0.603% |
| 52 | 12.670 | 1978 | 1982 | 1986 | rVV | 126942 | 163802 | 6.57% | 0.796% |
| 53 | 12.707 | 1986 | 1988 | 1992 | rVV2 | 36461 | 64946 | 2.60% | 0.316% |
| 54 | 12.762 | 1992 | 1997 | 2004 | rVV2 | 560026 | 919682 | 36.89% | 4.468% |
| 55 | 12.817 | 2004 | 2006 | 2010 | rVV3 | 30371 | 38984 | 1.56% | 0.189% |
| 56 | 12.902 | 2010 | 2020 | 2025 | rVB2 | 111761 | 199663 | 8.01% | 0.970% |
| 57 | 12.981 | 2025 | 2033 | 2037 | rBV | 241011 | 365108 | 14.64% | 1.774% |
| 58 | 13.024 | 2037 | 2040 | 2046 | rVB2 | 50428 | 73098 | 2.93% | 0.355% |
| 59 | 13.091 | 2046 | 2051 | 2056 | rVB3 | 88969 | 144577 | 5.80% | 0.702% |
| 60 | 13.152 | 2056 | 2061 | 2065 | rBV | 36156 | 55578 | 2.23% | 0.270% |
| 61 | 13.201 | 2065 | 2069 | 2071 | rVV2 | 106115 | 126455 | 5.07% | 0.614% |
| 62 | 13.231 | 2071 | 2074 | 2076 | rVV | 71160 | 86943 | 3.49% | 0.422% |
| 63 | 13.256 | 2076 | 2078 | 2083 | rVB | 60774 | 67576 | 2.71% | 0.328% |
| 64 | 13.310 | 2083 | 2087 | 2090 | rBV4 | 40471 | 66801 | 2.68% | 0.325% |
| 65 | 13.353 | 2090 | 2094 | 2100 | rVB2 | 422462 | 590190 | 23.67% | 2.867% |
| 66 | 13.408 | 2100 | 2103 | 2109 | rBV3 | 30304 | 49603 | 1.99% | 0.241% |
| 67 | 13.487 | 2112 | 2116 | 2122 | rVB2 | 71447 | 106771 | 4.28% | 0.519% |
| 68 | 13.573 | 2122 | 2130 | 2132 | rBV5 | 61243 | 110327 | 4.42% | 0.536% |
| 69 | 13.603 | 2132 | 2135 | 2138 | rVV | 100676 | 138655 | 5.56% | 0.674% |
| 70 | 13.646 | 2138 | 2142 | 2146 | rVV3 | 159357 | 277155 | 11.12% | 1.346% |
| 71 | 13.701 | 2146 | 2151 | 2153 | rVV3 | 135401 | 240851 | 9.66% | 1.170% |

LSC Area Percent Report

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Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

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_X\METHOD\82X060418W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.725 | 2153 | 2155 | 2165 | rVB2 | 250491 | 365771 | 14.67% | 1.777% |
| 73 | 13.817 | 2166 | 2170 | 2173 | rBV | 63474 | 80365 | 3.22% | 0.390% |
| 74 | 13.859 | 2173 | 2177 | 2182 | rVB2 | 77291 | 111360 | 4.47% | 0.541% |
| 75 | 13.914 | 2182 | 2186 | 2191 | rBV | 131243 | 184369 | 7.39% | 0.896% |
| 76 | 13.987 | 2191 | 2198 | 2203 | rBV2 | 192748 | 271373 | 10.88% | 1.318% |
| 77 | 14.036 | 2203 | 2206 | 2210 | rBV2 | 60575 | 77271 | 3.10% | 0.375% |
| 78 | 14.134 | 2218 | 2222 | 2225 | rBV2 | 67549 | 98884 | 3.97% | 0.480% |
| 79 | 14.170 | 2225 | 2228 | 2231 | rVB2 | 51405 | 60335 | 2.42% | 0.293% |
| 80 | 14.280 | 2241 | 2246 | 2254 | rVB2 | 133057 | 248691 | 9.97% | 1.208% |
| 81 | 14.383 | 2259 | 2263 | 2267 | rVV | 85298 | 97843 | 3.92% | 0.475% |
| 82 | 14.438 | 2268 | 2272 | 2276 | rVB2 | 85857 | 105107 | 4.22% | 0.511% |
| 83 | 14.481 | 2276 | 2279 | 2285 | rVB2 | 37923 | 53434 | 2.14% | 0.260% |
| 84 | 14.548 | 2285 | 2290 | 2294 | rBV2 | 199515 | 288963 | 11.59% | 1.404% |
| 85 | 14.676 | 2308 | 2311 | 2312 | rVV2 | 64792 | 72268 | 2.90% | 0.351% |
| 86 | 14.700 | 2312 | 2315 | 2318 | rVV | 162584 | 204791 | 8.21% | 0.995% |
| 87 | 14.737 | 2318 | 2321 | 2325 | rVV | 66967 | 81070 | 3.25% | 0.394% |
| 88 | 14.786 | 2326 | 2329 | 2333 | rVV2 | 31966 | 44687 | 1.79% | 0.217% |
| 89 | 14.847 | 2334 | 2339 | 2344 | rVV | 667478 | 874396 | 35.07% | 4.248% |
| 90 | 14.914 | 2347 | 2350 | 2353 | rVB2 | 41640 | 52020 | 2.09% | 0.253% |
| 91 | 15.121 | 2381 | 2384 | 2392 | rVB4 | 20799 | 34466 | 1.38% | 0.167% |
| 92 | 15.255 | 2400 | 2406 | 2413 | rVV2 | 67059 | 123753 | 4.96% | 0.601% |
| 93 | 15.481 | 2441 | 2443 | 2448 | rVB | 27405 | 35044 | 1.41% | 0.170% |
| 94 | 15.554 | 2451 | 2455 | 2460 | rBV | 60420 | 89164 | 3.58% | 0.433% |
| 95 | 15.694 | 2472 | 2478 | 2482 | rBV | 116929 | 190598 | 7.64% | 0.926% |
| 96 | 15.731 | 2482 | 2484 | 2492 | rVB | 61128 | 91510 | 3.67% | 0.445% |
| 97 | 15.810 | 2493 | 2497 | 2506 | rBV4 | 23438 | 59002 | 2.37% | 0.287% |
| 98 | 15.895 | 2507 | 2511 | 2513 | rVV | 34166 | 51097 | 2.05% | 0.248% |
| 99 | 15.932 | 2514 | 2517 | 2526 | rVB2 | 45777 | 77010 | 3.09% | 0.374% |
| 100 | 16.078 | 2536 | 2541 | 2554 | rVB2 | 27735 | 60794 | 2.44% | 0.295% |

Sum of corrected areas: 20584547

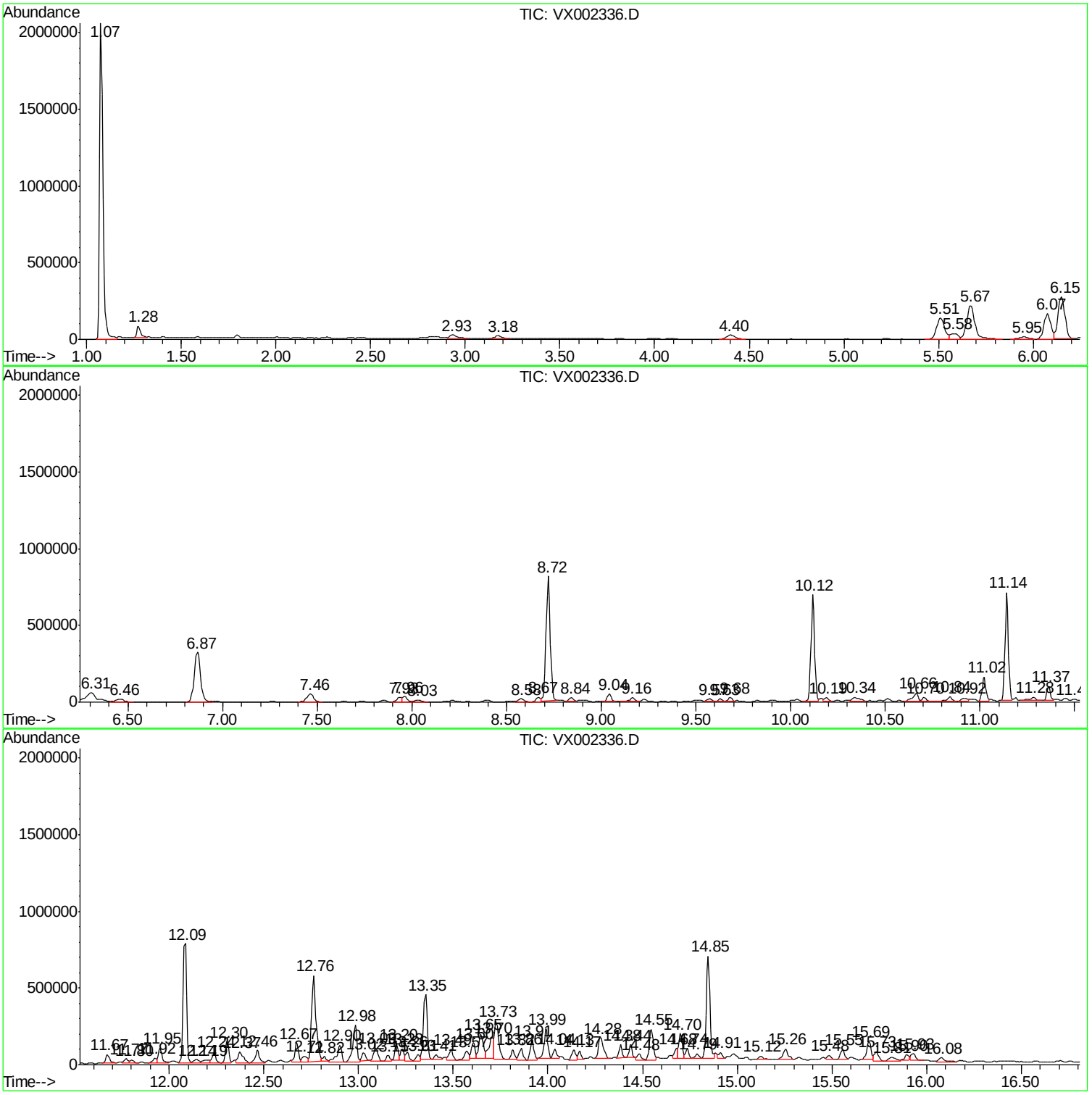
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.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_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

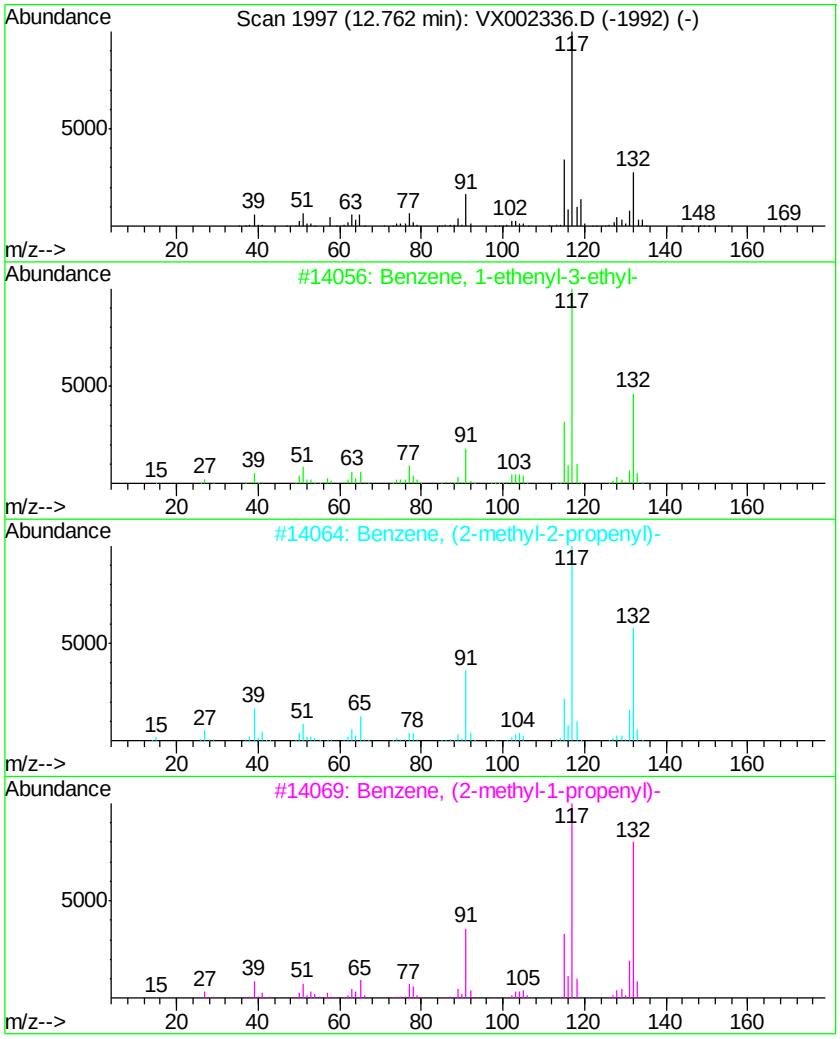
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

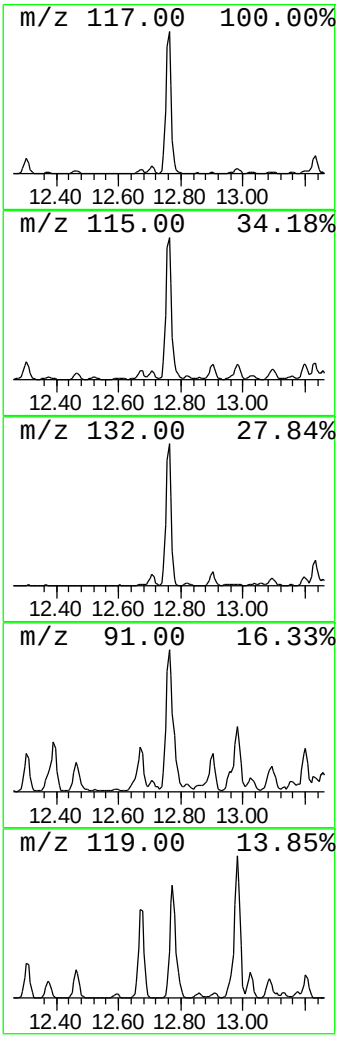
**********

Peak Number 2 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.76 | 45.43 ug/l | 919682 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 2 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 86 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 83 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 83 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

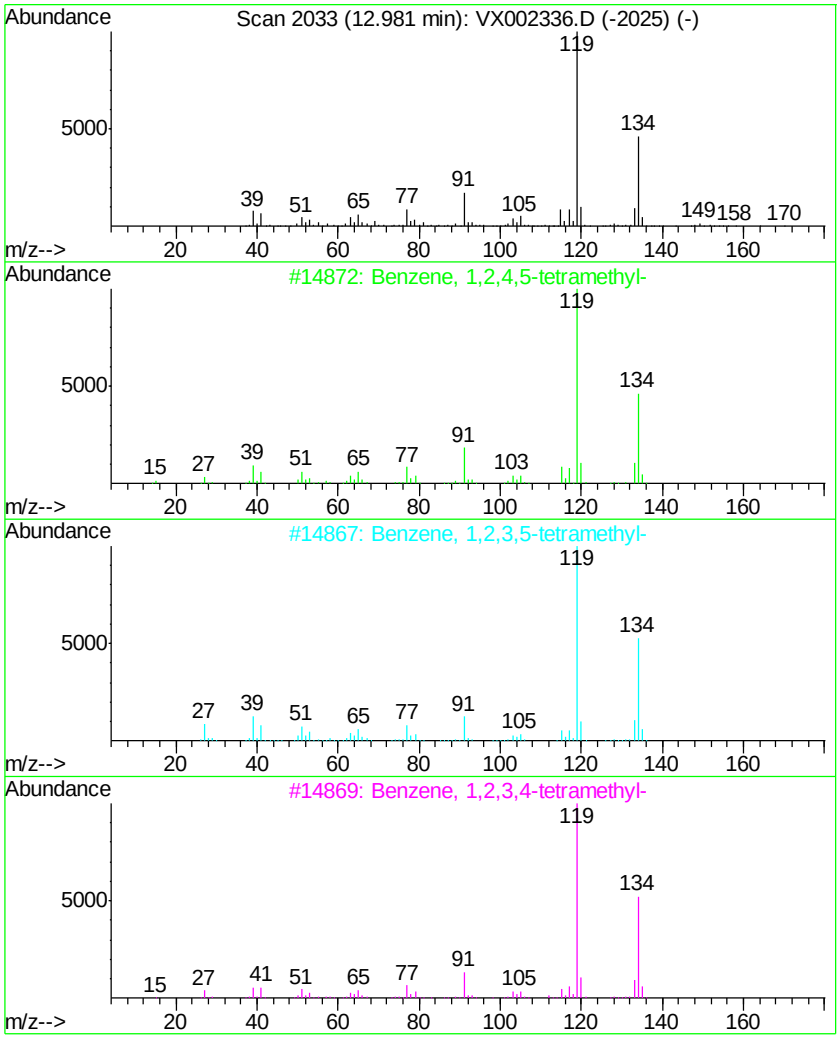
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

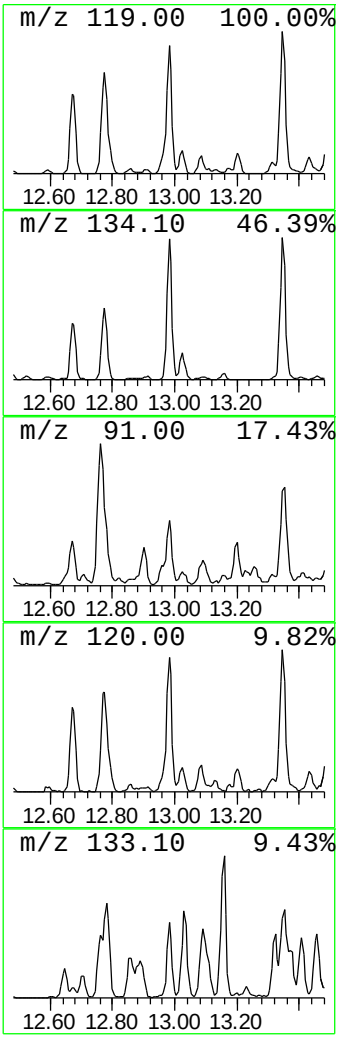
**********

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.98 | 18.03 ug/l | 365108 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

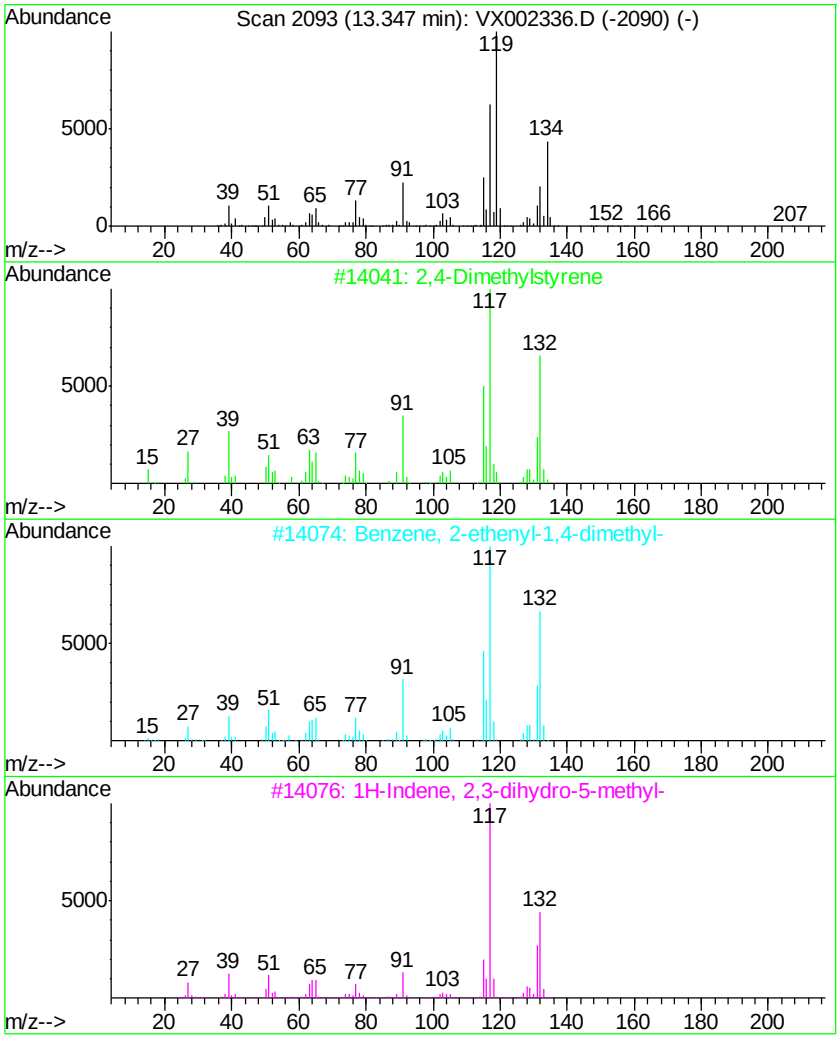
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

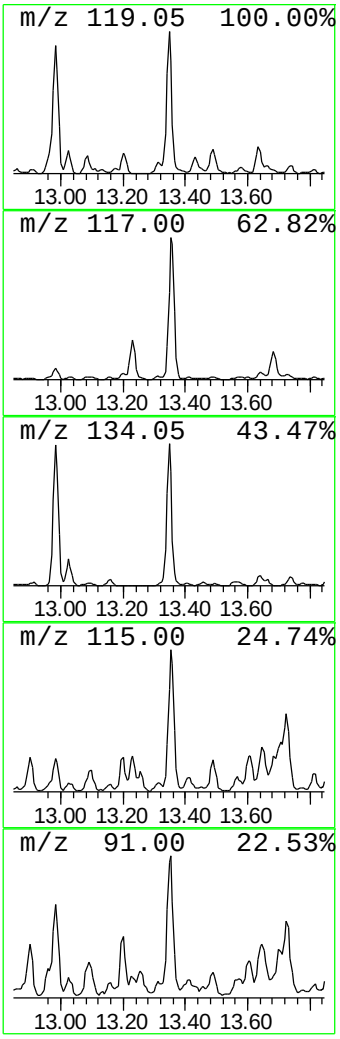
**********

Peak Number 4 2,4-Dimethylstyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 29.15 ug/l | 590190 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 94 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 90 |
| 4 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 60 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 60 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

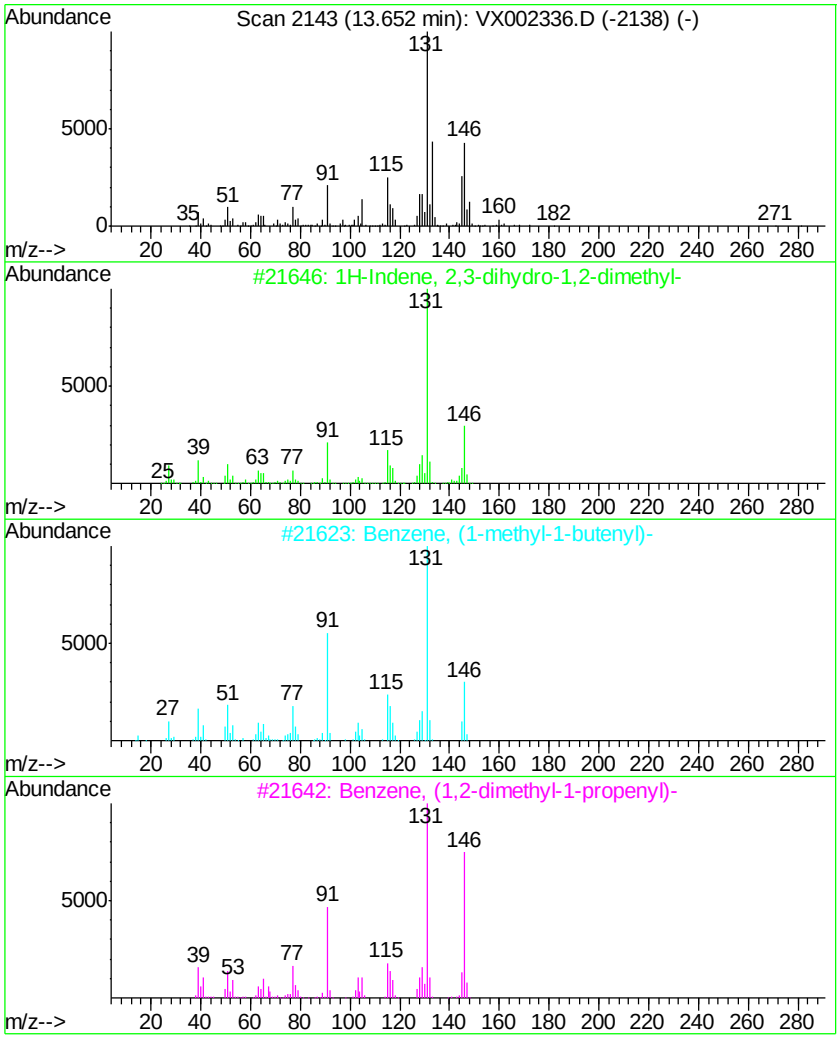
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

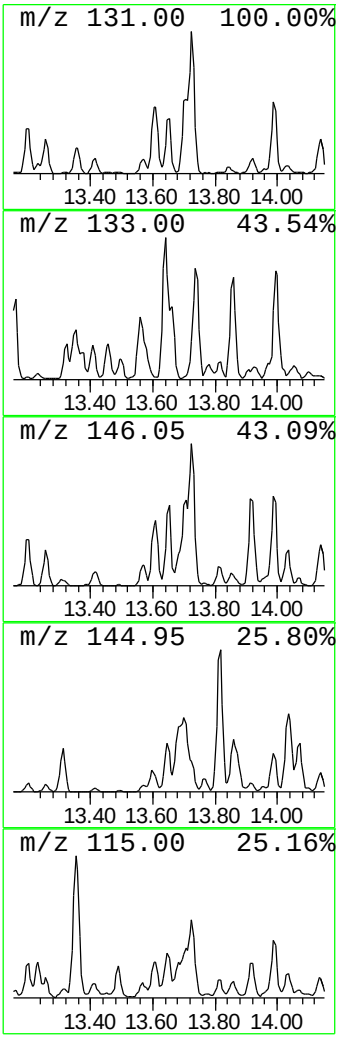
**********

Peak Number 5 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.65 | 13.69 ug/l | 277155 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 83 |
| 2 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 70 |
| 3 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 64 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 64 |
| 5 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 60 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

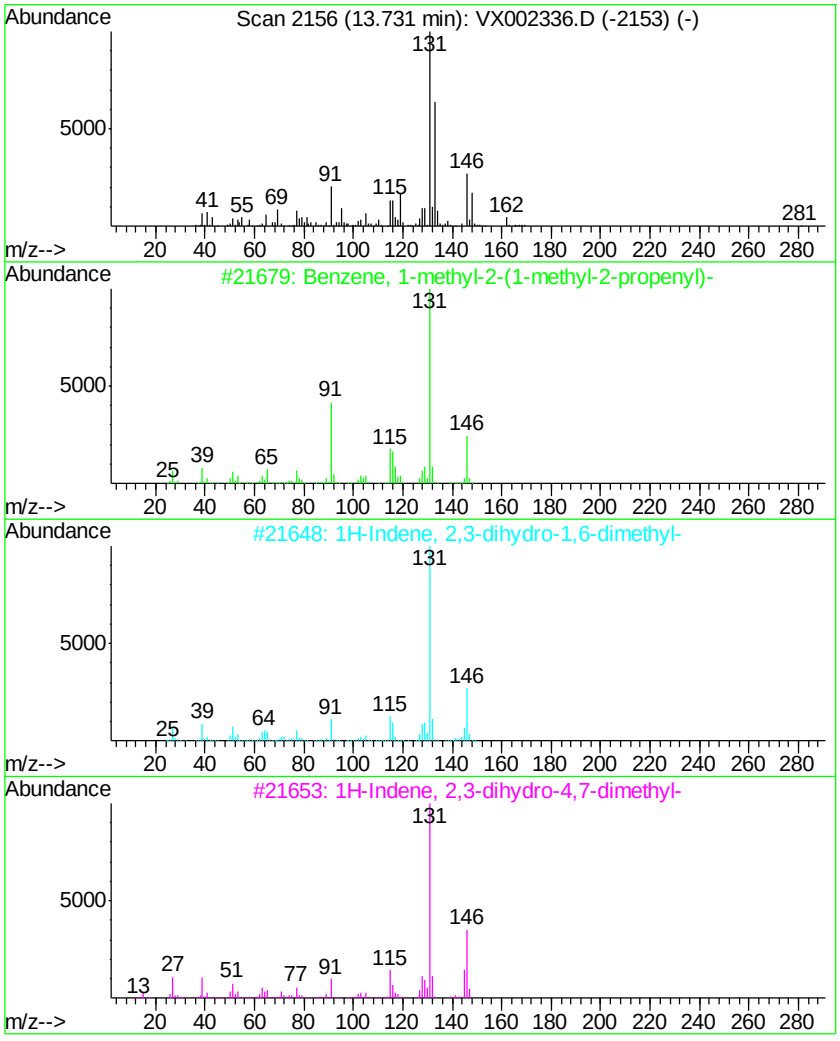
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

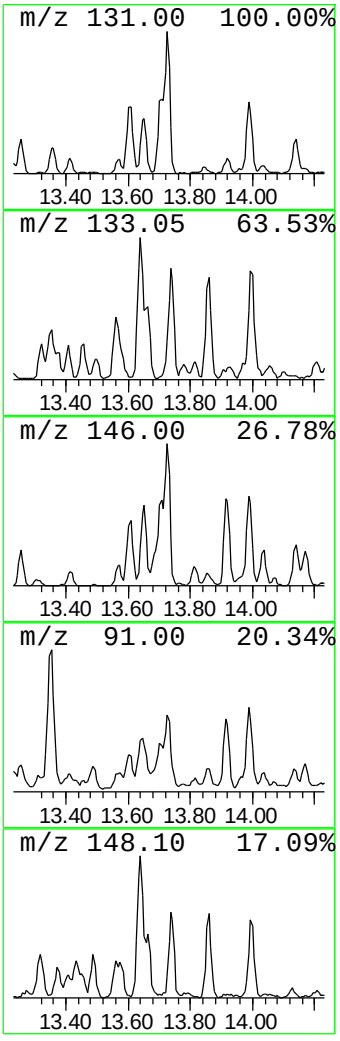
**********

Peak Number 6 Benzene, 1-methyl-2-(1-meth... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.73 | 18.07 ug/l | 365771 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14 | 097664-19-2 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 90 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 86 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 83 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 83 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

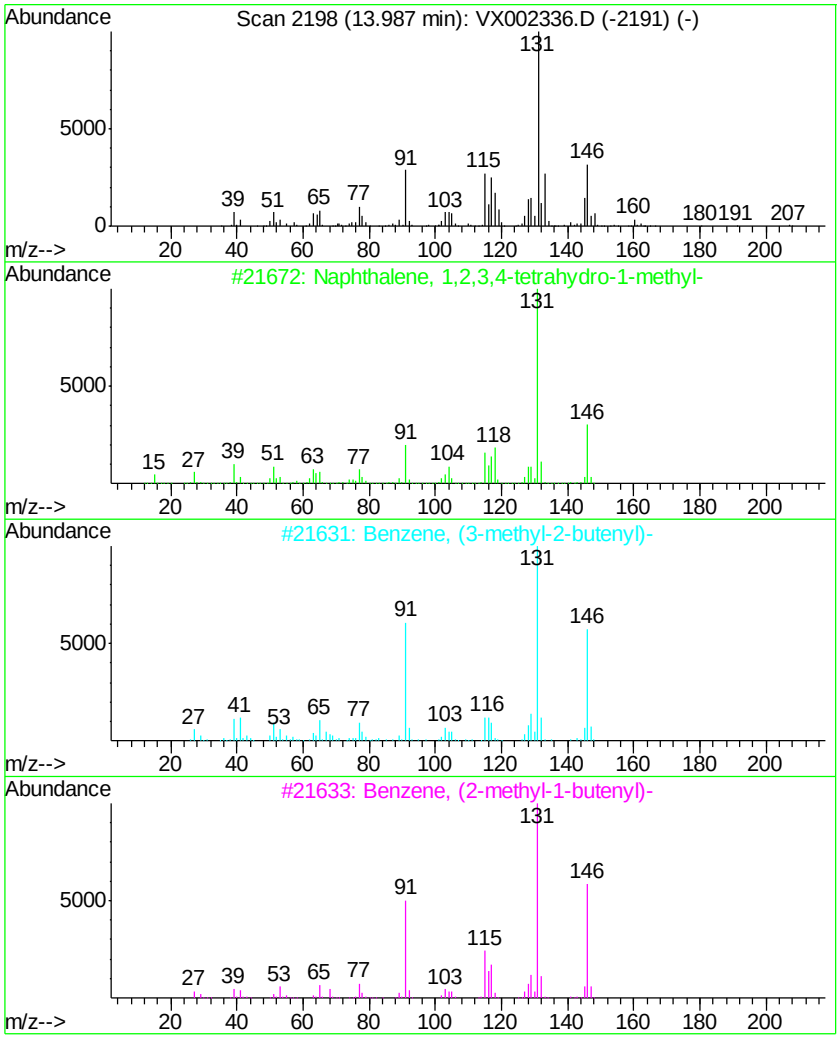
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

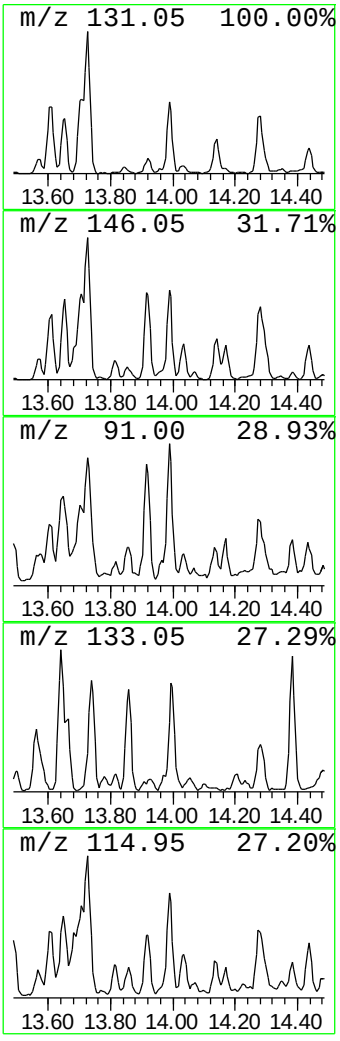
**********

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.99 | 13.40 ug/l | 271373 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 93 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 92 |
| 3 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 89 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 81 |
| 5 | 1,3-Cyclopentadiene, 5-(trans-2-... | 146 | C11H14 | 079209-36-2 | 76 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

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

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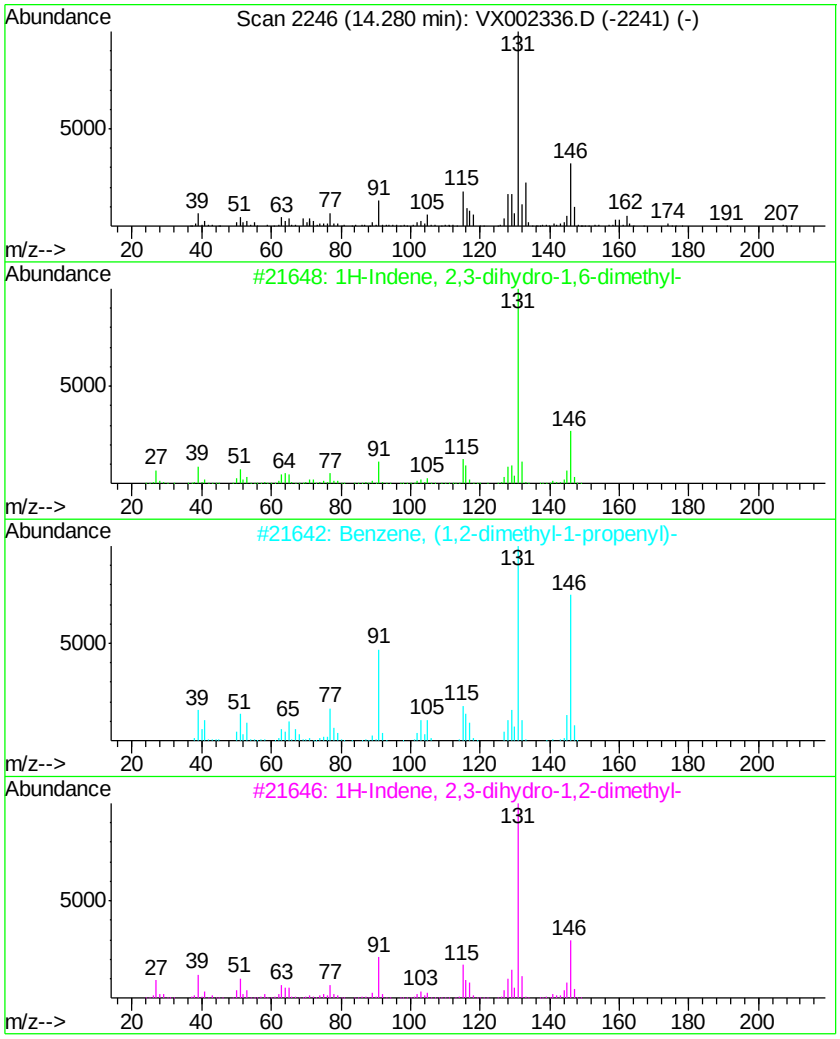
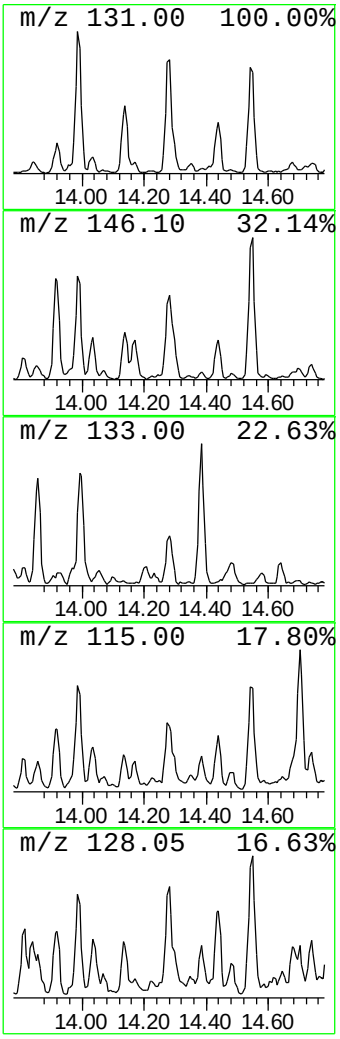
Peak Number 8 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.28 | 12.28 ug/l | 248691 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 81 |
| 2 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 81 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 81 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 81 |
| 5 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 76 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

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

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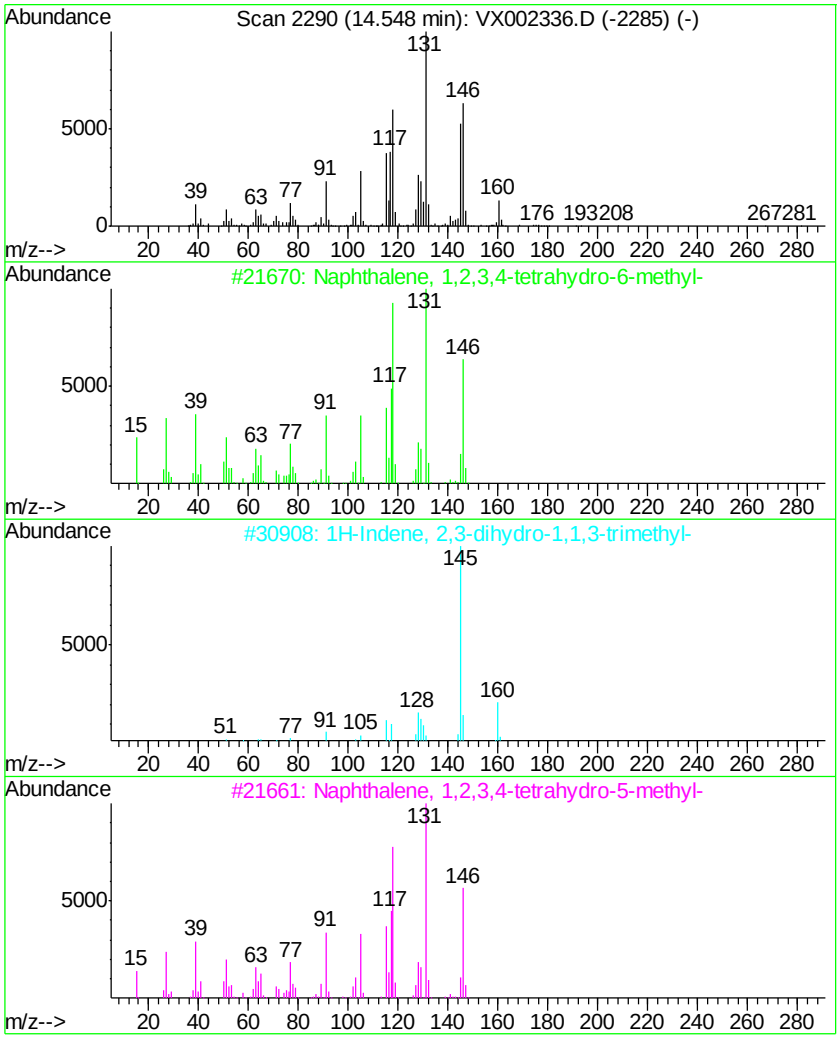
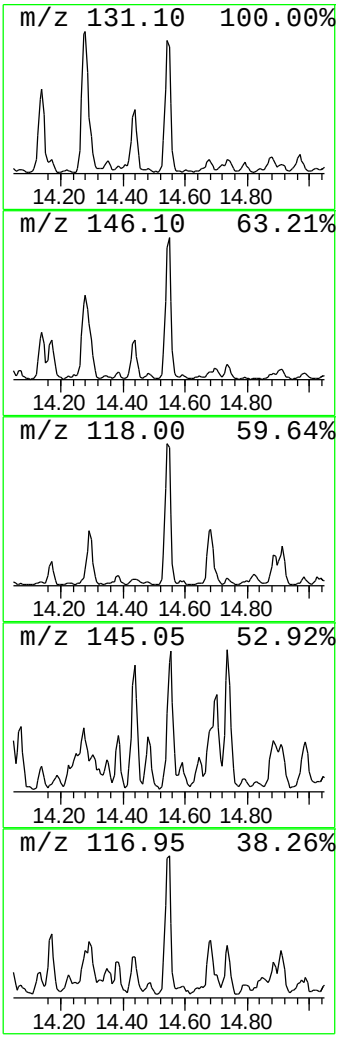
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.55 | 14.27 ug/l | 288963 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 89 |
| 2 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16 | 002613-76-5 | 87 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 76 |
| 4 | 2-Propyn-1-ol, 3-(4-methylphenyl)- | 146 | C10H10O | 016017-24-6 | 62 |
| 5 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 60 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

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

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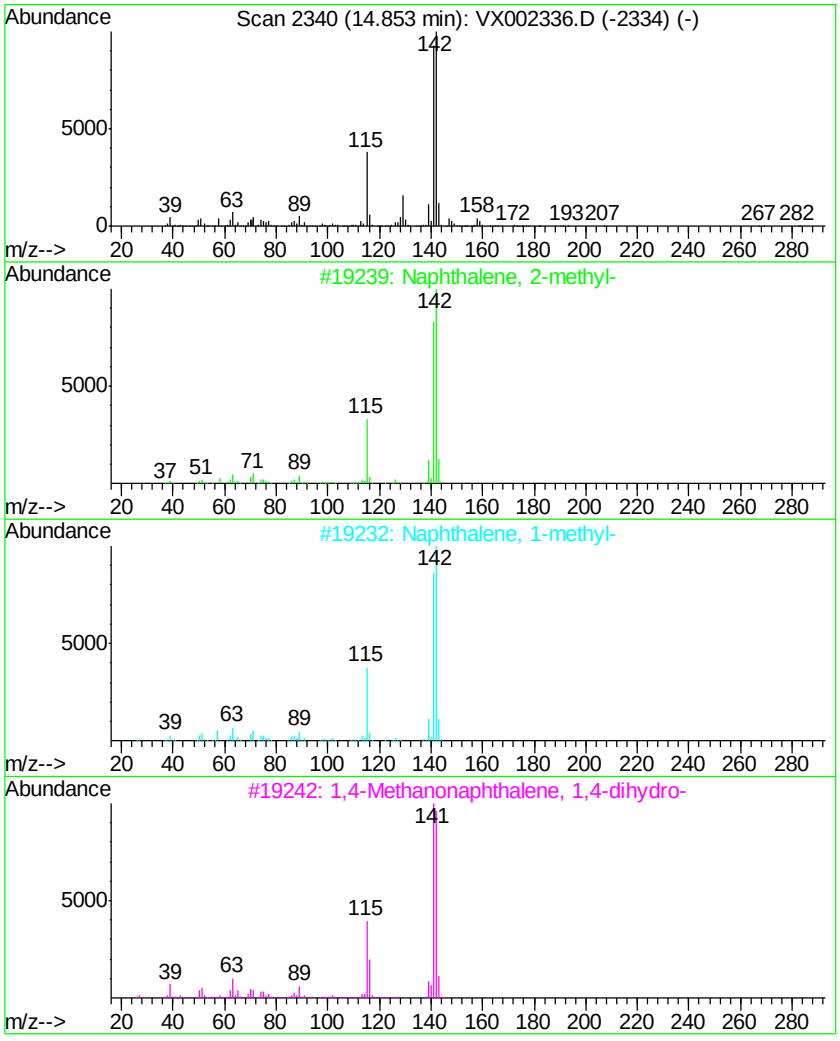
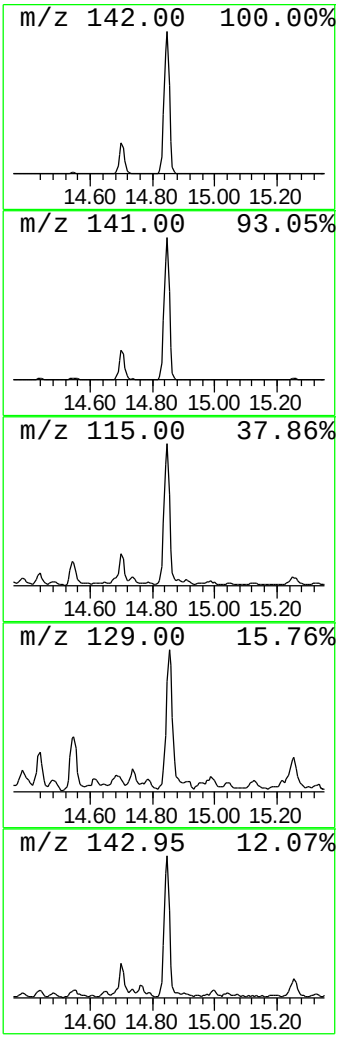
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 43.19 ug/l | 874396 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 94 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060518\
Data File : VX002336.D
Acq On : 06 Jun 2018 05:44
Operator : JC/MD
Sample : J3309-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-5R

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.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 |
| Benzene, 1-etheny... | 12.76 | 45.4 | ug/l | 919682 | 4 | 12.09 | 1012280 | 50.0 |
| Benzene, 1,2,4,5-... | 12.98 | 18.0 | ug/l | 365108 | 4 | 12.09 | 1012280 | 50.0 |
| 2,4-Dimethylstyrene | 13.35 | 29.1 | ug/l | 590190 | 4 | 12.09 | 1012280 | 50.0 |
| 1H-Indene, 2,3-di... | 13.65 | 13.7 | ug/l | 277155 | 4 | 12.09 | 1012280 | 50.0 |
| Benzene, 1-methyl... | 13.73 | 18.1 | ug/l | 365771 | 4 | 12.09 | 1012280 | 50.0 |
| Naphthalene, 1,2,... | 13.99 | 13.4 | ug/l | 271373 | 4 | 12.09 | 1012280 | 50.0 |
| 1H-Indene, 2,3-di... | 14.28 | 12.3 | ug/l | 248691 | 4 | 12.09 | 1012280 | 50.0 |
| Naphthalene, 1,2,... | 14.55 | 14.3 | ug/l | 288963 | 4 | 12.09 | 1012280 | 50.0 |
| Naphthalene, 1-me... | 14.85 | 43.2 | ug/l | 874396 | 4 | 12.09 | 1012280 | 50.0 |