LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

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\82X061919W.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 | 1.788 | 100 | 104 | 113 | rVB | 44609 | 64205 | 2.56% | 0.205% |
| 2 | 2.391 | 197 | 203 | 209 | rBV | 13540 | 26939 | 1.07% | 0.086% |
| 3 | 2.842 | 269 | 277 | 290 | rBV | 155922 | 356410 | 14.20% | 1.135% |
| 4 | 3.172 | 322 | 331 | 343 | rVB3 | 19510 | 50338 | 2.01% | 0.160% |
| 5 | 4.147 | 483 | 491 | 504 | rVB3 | 13059 | 41043 | 1.64% | 0.131% |
| 6 | 4.312 | 504 | 518 | 531 | rBV | 134418 | 405441 | 16.16% | 1.292% |
| 7 | 4.562 | 545 | 559 | 573 | rVB3 | 21129 | 81932 | 3.26% | 0.261% |
| 8 | 5.238 | 656 | 670 | 685 | rBV3 | 19843 | 72701 | 2.90% | 0.232% |
| 9 | 5.501 | 700 | 713 | 729 | rBV | 125509 | 367247 | 14.63% | 1.170% |
| 10 | 5.659 | 729 | 739 | 747 | rVV | 212771 | 635626 | 25.33% | 2.025% |
| 11 | 5.726 | 747 | 750 | 762 | rVB2 | 72809 | 182201 | 7.26% | 0.580% |
| 12 | 5.952 | 772 | 787 | 797 | rBV2 | 76548 | 235718 | 9.39% | 0.751% |
| 13 | 6.061 | 797 | 805 | 816 | rVB | 121148 | 308997 | 12.31% | 0.984% |
| 14 | 6.348 | 841 | 852 | 867 | rVB | 634209 | 1896253 | 75.56% | 6.041% |
| 15 | 6.860 | 925 | 936 | 949 | rBV | 318723 | 755610 | 30.11% | 2.407% |
| 16 | 7.445 | 1023 | 1032 | 1042 | rVB | 105148 | 247108 | 9.85% | 0.787% |
| 17 | 7.573 | 1045 | 1053 | 1060 | rBV | 88525 | 181245 | 7.22% | 0.577% |
| 18 | 7.683 | 1060 | 1071 | 1078 | rVB | 108315 | 246563 | 9.83% | 0.785% |
| 19 | 7.848 | 1089 | 1098 | 1109 | rVB | 118068 | 240005 | 9.56% | 0.765% |
| 20 | 8.055 | 1120 | 1132 | 1143 | rVB | 611326 | 1183412 | 47.16% | 3.770% |
| 21 | 8.177 | 1143 | 1152 | 1161 | rBV | 1120195 | 2187530 | 87.17% | 6.968% |
| 22 | 8.390 | 1179 | 1187 | 1193 | rBV2 | 45022 | 86758 | 3.46% | 0.276% |
| 23 | 8.579 | 1210 | 1218 | 1226 | rVB2 | 17696 | 37462 | 1.49% | 0.119% |
| 24 | 8.713 | 1226 | 1240 | 1255 | rVV | 737527 | 1385716 | 55.22% | 4.414% |
| 25 | 8.841 | 1255 | 1261 | 1265 | rVV | 104084 | 180597 | 7.20% | 0.575% |
| 26 | 8.982 | 1278 | 1284 | 1288 | rVV | 14065 | 25952 | 1.03% | 0.083% |
| 27 | 9.043 | 1288 | 1294 | 1300 | rVB4 | 29871 | 53725 | 2.14% | 0.171% |
| 28 | 9.165 | 1307 | 1314 | 1319 | rVB2 | 29023 | 50188 | 2.00% | 0.160% |
| 29 | 9.567 | 1375 | 1380 | 1385 | rBV3 | 23903 | 38348 | 1.53% | 0.122% |
| 30 | 9.677 | 1393 | 1398 | 1402 | rBV | 67716 | 102112 | 4.07% | 0.325% |
| 31 | 9.890 | 1428 | 1433 | 1438 | rVV | 39545 | 55108 | 2.20% | 0.176% |
| 32 | 10.109 | 1464 | 1469 | 1478 | rBV2 | 674156 | 1302395 | 51.90% | 4.149% |
| 33 | 10.183 | 1478 | 1481 | 1487 | rVV | 63708 | 95697 | 3.81% | 0.305% |
| 34 | 10.335 | 1501 | 1506 | 1514 | rVB3 | 63548 | 116606 | 4.65% | 0.371% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

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\82X061919W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.408 | 1514 | 1518 | 1521 | rBV | 30879 | 42419 | 1.69% | 0.135% |
| 36 | 10.512 | 1529 | 1535 | 1540 | rBV | 46484 | 68332 | 2.72% | 0.218% |
| 37 | 10.658 | 1545 | 1559 | 1564 | rBV4 | 84374 | 218370 | 8.70% | 0.696% |
| 38 | 10.707 | 1564 | 1567 | 1575 | rVB | 28243 | 42552 | 1.70% | 0.136% |
| 39 | 10.811 | 1575 | 1584 | 1585 | rBV2 | 66395 | 107014 | 4.26% | 0.341% |
| 40 | 10.835 | 1585 | 1588 | 1595 | rVB | 172559 | 226807 | 9.04% | 0.722% |
| 41 | 10.914 | 1595 | 1601 | 1607 | rBV4 | 64649 | 112871 | 4.50% | 0.360% |
| 42 | 11.018 | 1614 | 1618 | 1621 | rBV | 89434 | 117638 | 4.69% | 0.375% |
| 43 | 11.060 | 1621 | 1625 | 1630 | rVB4 | 36658 | 67881 | 2.70% | 0.216% |
| 44 | 11.134 | 1632 | 1637 | 1642 | rVV | 575694 | 737383 | 29.38% | 2.349% |
| 45 | 11.182 | 1642 | 1645 | 1648 | rVV | 91553 | 112167 | 4.47% | 0.357% |
| 46 | 11.237 | 1652 | 1654 | 1657 | rVV2 | 21399 | 28553 | 1.14% | 0.091% |
| 47 | 11.280 | 1657 | 1661 | 1665 | rVB | 152621 | 198056 | 7.89% | 0.631% |
| 48 | 11.396 | 1675 | 1680 | 1684 | rBV5 | 22004 | 45973 | 1.83% | 0.146% |
| 49 | 11.445 | 1684 | 1688 | 1694 | rVB3 | 53171 | 88147 | 3.51% | 0.281% |
| 50 | 11.573 | 1706 | 1709 | 1714 | rVB5 | 24047 | 38762 | 1.54% | 0.123% |
| 51 | 11.670 | 1718 | 1725 | 1732 | rBV | 140666 | 210802 | 8.40% | 0.672% |
| 52 | 11.768 | 1732 | 1741 | 1745 | rBV | 171167 | 232276 | 9.26% | 0.740% |
| 53 | 11.847 | 1752 | 1754 | 1758 | rVB3 | 24437 | 25102 | 1.00% | 0.080% |
| 54 | 11.920 | 1758 | 1766 | 1768 | rBV | 369156 | 537803 | 21.43% | 1.713% |
| 55 | 11.944 | 1768 | 1770 | 1776 | rVB | 257978 | 284288 | 11.33% | 0.906% |
| 56 | 12.079 | 1786 | 1792 | 1797 | rBV | 742550 | 974968 | 38.85% | 3.106% |
| 57 | 12.176 | 1803 | 1808 | 1812 | rVV3 | 25932 | 52511 | 2.09% | 0.167% |
| 58 | 12.231 | 1812 | 1817 | 1823 | rVB | 561465 | 677403 | 26.99% | 2.158% |
| 59 | 12.298 | 1823 | 1828 | 1833 | rBV | 501992 | 608306 | 24.24% | 1.938% |
| 60 | 12.365 | 1834 | 1839 | 1848 | rVB | 197293 | 296974 | 11.83% | 0.946% |
| 61 | 12.457 | 1848 | 1854 | 1862 | rBV2 | 34456 | 70693 | 2.82% | 0.225% |
| 62 | 12.664 | 1879 | 1888 | 1891 | rBV | 1516795 | 1909941 | 76.11% | 6.084% |
| 63 | 12.700 | 1891 | 1894 | 1899 | rVV | 703023 | 958253 | 38.19% | 3.053% |
| 64 | 12.755 | 1899 | 1903 | 1910 | rVV2 | 1594411 | 2509501 | 100.00% | 7.994% |
| 65 | 12.816 | 1910 | 1913 | 1917 | rVB | 114864 | 139339 | 5.55% | 0.444% |
| 66 | 12.896 | 1917 | 1926 | 1931 | rVB | 471434 | 701758 | 27.96% | 2.235% |
| 67 | 12.975 | 1931 | 1939 | 1944 | rBV2 | 812210 | 1167115 | 46.51% | 3.718% |
| 68 | 13.024 | 1944 | 1947 | 1952 | rVV2 | 35245 | 52191 | 2.08% | 0.166% |
| 69 | 13.085 | 1952 | 1957 | 1963 | rVB2 | 137533 | 211510 | 8.43% | 0.674% |
| 70 | 13.152 | 1963 | 1968 | 1971 | rBV | 137890 | 180824 | 7.21% | 0.576% |
| 71 | 13.188 | 1971 | 1974 | 1977 | rVV | 158979 | 189981 | 7.57% | 0.605% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

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\82X061919W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.225 | 1977 | 1980 | 1981 | rVV | 64314 | 69281 | 2.76% | 0.221% |
| 73 | 13.249 | 1981 | 1984 | 1988 | rVB | 111013 | 138416 | 5.52% | 0.441% |
| 74 | 13.310 | 1988 | 1994 | 1995 | rBV2 | 70426 | 92304 | 3.68% | 0.294% |
| 75 | 13.347 | 1995 | 2000 | 2006 | rVV2 | 1204889 | 1761312 | 70.19% | 5.611% |
| 76 | 13.402 | 2006 | 2009 | 2011 | rVV2 | 77334 | 109007 | 4.34% | 0.347% |
| 77 | 13.426 | 2011 | 2013 | 2015 | rVV | 71673 | 72502 | 2.89% | 0.231% |
| 78 | 13.475 | 2019 | 2021 | 2028 | rVB | 52560 | 71763 | 2.86% | 0.229% |
| 79 | 13.560 | 2031 | 2035 | 2037 | rBV | 28475 | 35058 | 1.40% | 0.112% |
| 80 | 13.597 | 2037 | 2041 | 2044 | rVV2 | 62119 | 88586 | 3.53% | 0.282% |
| 81 | 13.639 | 2044 | 2048 | 2052 | rVV2 | 213987 | 299004 | 11.91% | 0.952% |
| 82 | 13.694 | 2052 | 2057 | 2059 | rVV2 | 118898 | 235119 | 9.37% | 0.749% |
| 83 | 13.719 | 2059 | 2061 | 2069 | rVB2 | 167472 | 213591 | 8.51% | 0.680% |
| 84 | 13.804 | 2070 | 2075 | 2079 | rBV | 51964 | 71108 | 2.83% | 0.227% |
| 85 | 13.853 | 2079 | 2083 | 2088 | rVB | 41384 | 58765 | 2.34% | 0.187% |
| 86 | 13.908 | 2088 | 2092 | 2097 | rBV2 | 47977 | 61902 | 2.47% | 0.197% |
| 87 | 13.981 | 2097 | 2104 | 2108 | rBV2 | 59117 | 92050 | 3.67% | 0.293% |
| 88 | 14.029 | 2108 | 2112 | 2116 | rBV2 | 25344 | 31407 | 1.25% | 0.100% |
| 89 | 14.127 | 2123 | 2128 | 2131 | rBV3 | 18554 | 26976 | 1.07% | 0.086% |
| 90 | 14.267 | 2147 | 2151 | 2157 | rBV3 | 40146 | 74005 | 2.95% | 0.236% |
| 91 | 14.535 | 2190 | 2195 | 2200 | rBV2 | 57868 | 83016 | 3.31% | 0.264% |
| 92 | 14.834 | 2239 | 2244 | 2253 | rBV2 | 114632 | 165444 | 6.59% | 0.527% |

Sum of corrected areas: 31392268

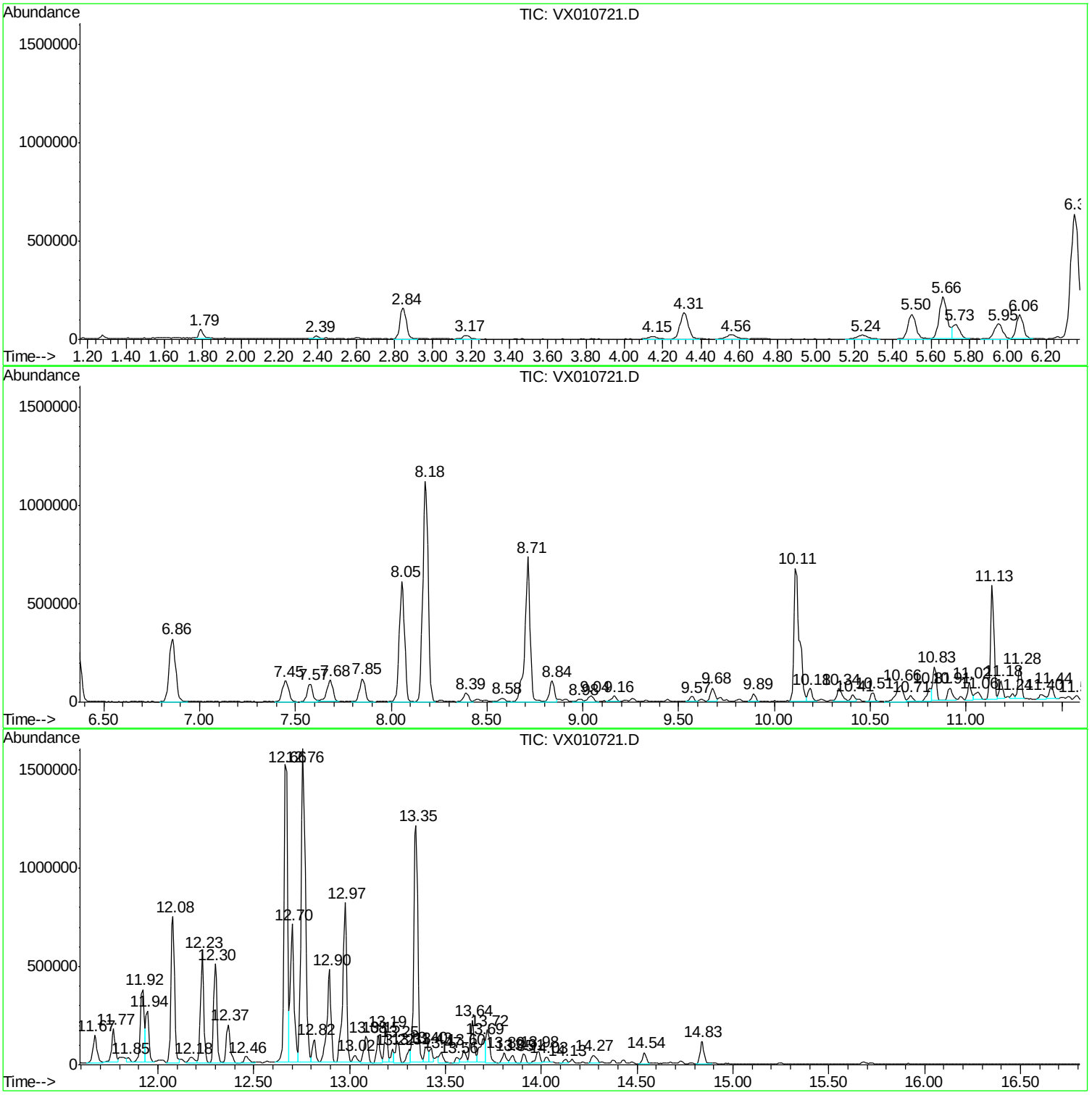
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

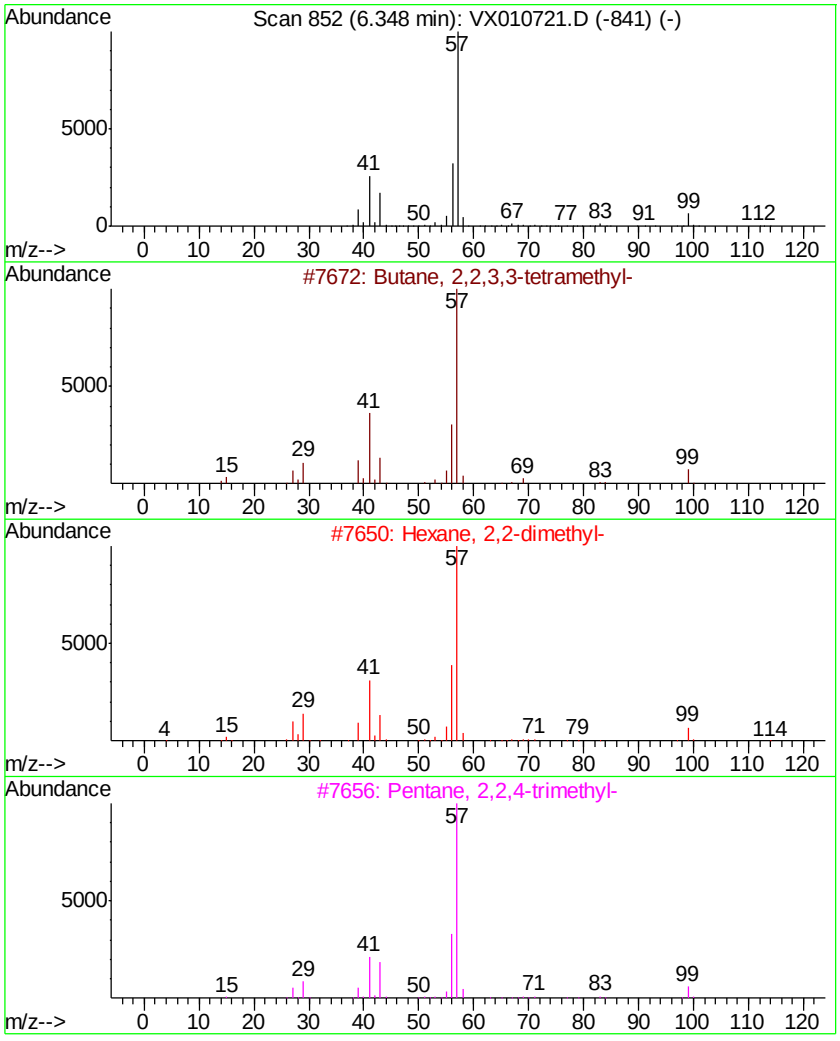
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

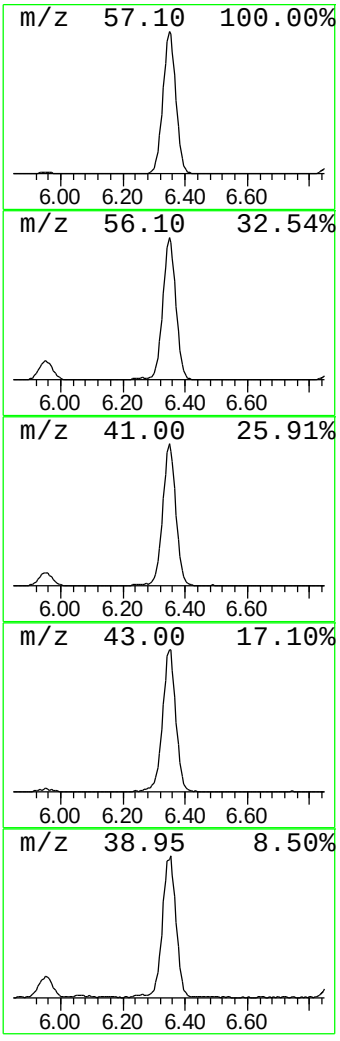
**********

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.35 | 125.48 ug/l | 1896250 | 1,4-Difluorobenzene | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 72 |
| 2 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 72 |
| 3 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 72 |
| 4 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 59 |
| 5 | Pentane, 2,2,3-trimethyl- | 114 | C8H18 | 000564-02-3 | 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

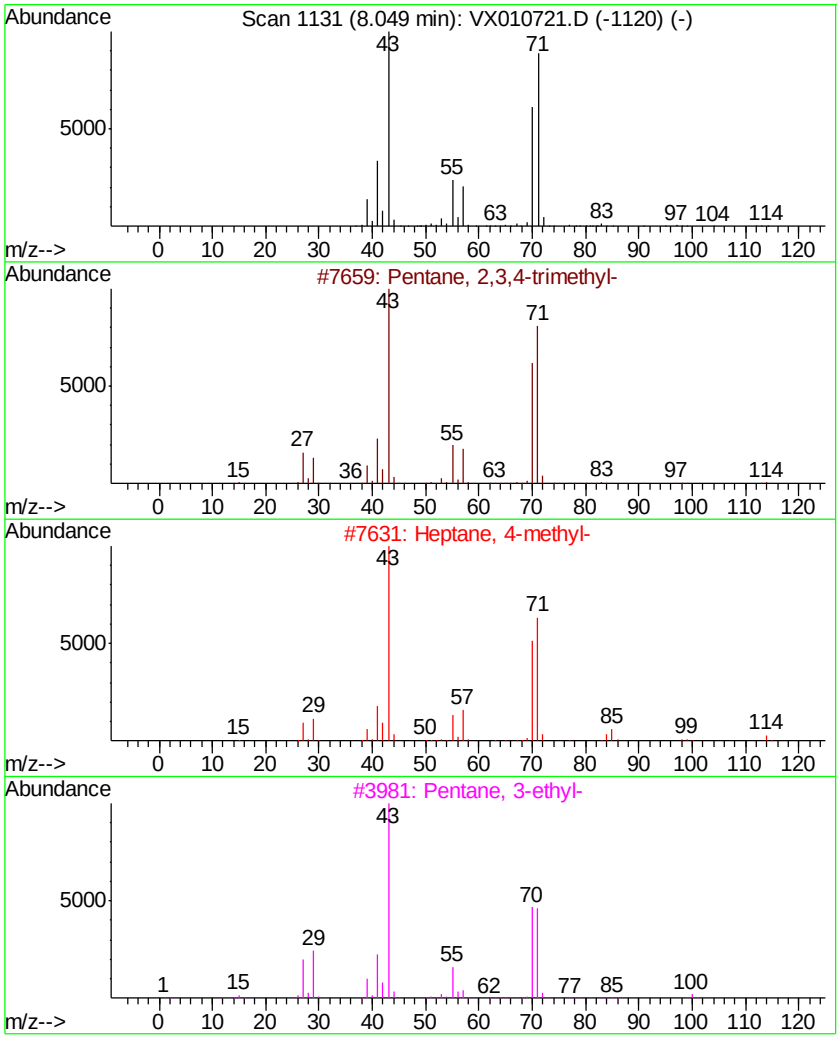
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

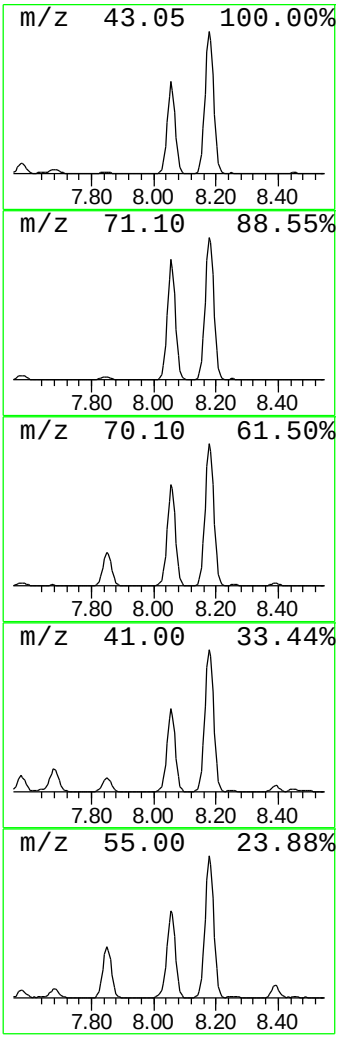
**********

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.05 | 78.31 ug/l | 1183410 | 1,4-Difluorobenzene | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 90 |
| 2 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 83 |
| 3 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 83 |
| 4 | Heptane, 3,3,4-trimethyl- | 142 | C10H22 | 020278-87-9 | 78 |
| 5 | 2,4,4-Trimethyl-1-hexene | 126 | C9H18 | 051174-12-0 | 78 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

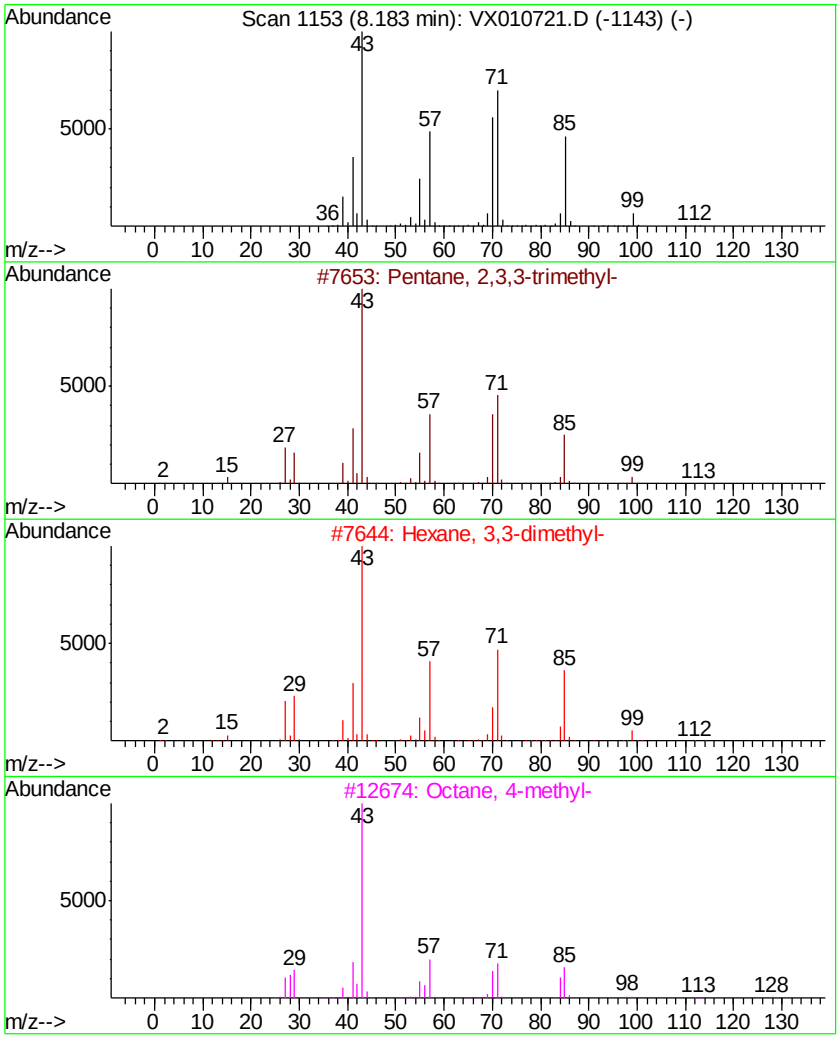
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

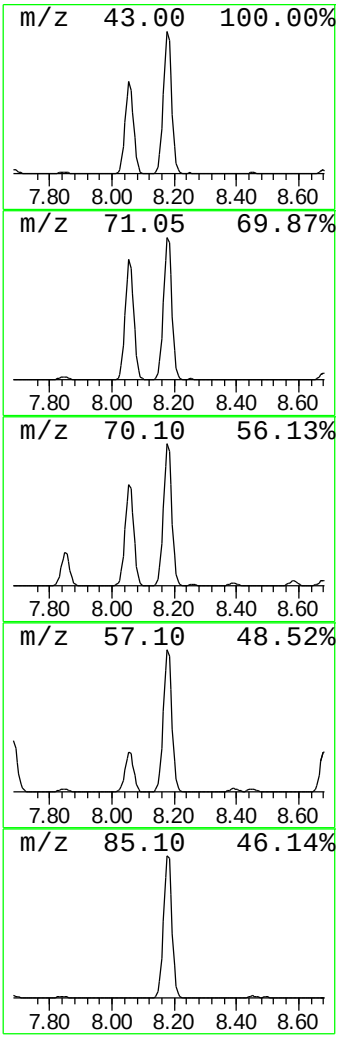
**********

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.18 | 144.75 ug/l | 2187530 | 1,4-Difluorobenzene | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,3-trimethyl- | 114 | C8H18 | 000560-21-4 | 90 |
| 2 | Hexane, 3,3-dimethyl- | 114 | C8H18 | 000563-16-6 | 64 |
| 3 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 64 |
| 4 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 53 |
| 5 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

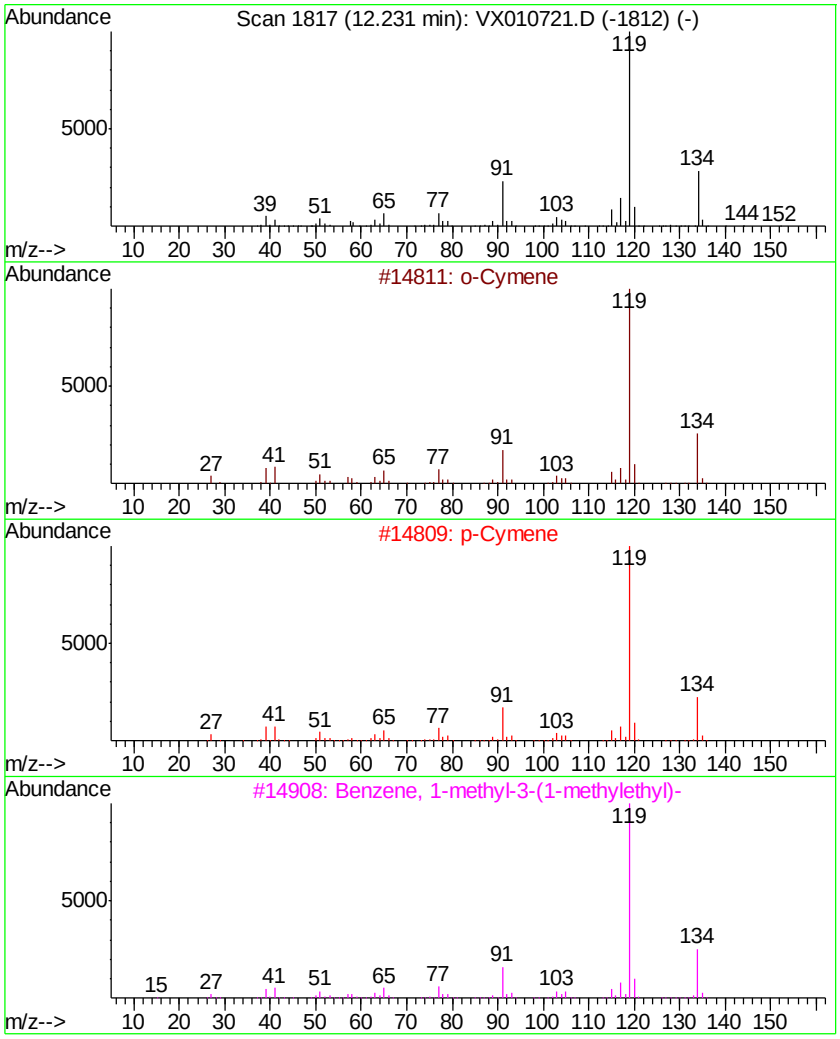
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

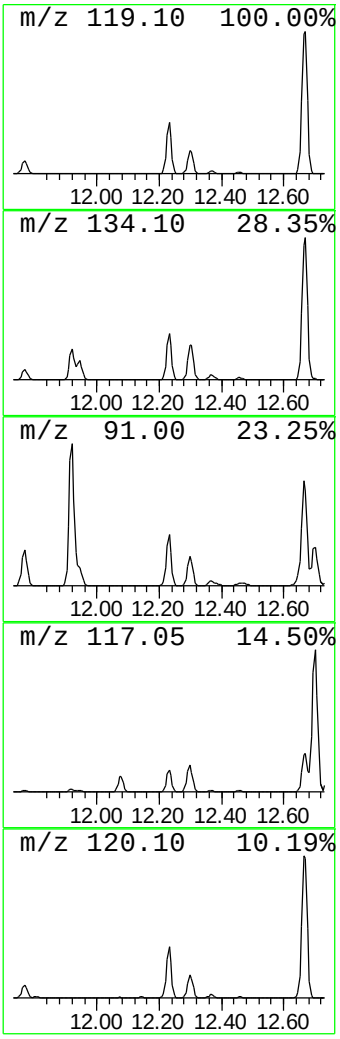
**********

Peak Number 4 o-Cymene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.23 | 34.74 ug/l | 677403 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 97 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

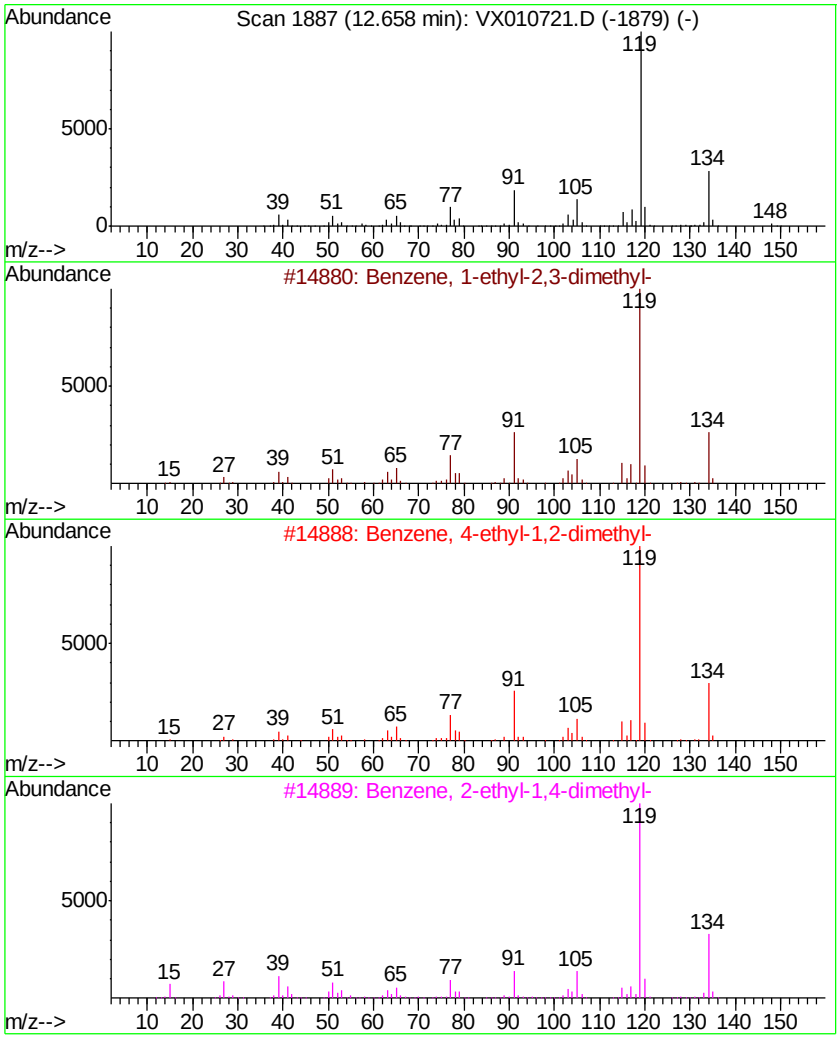
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

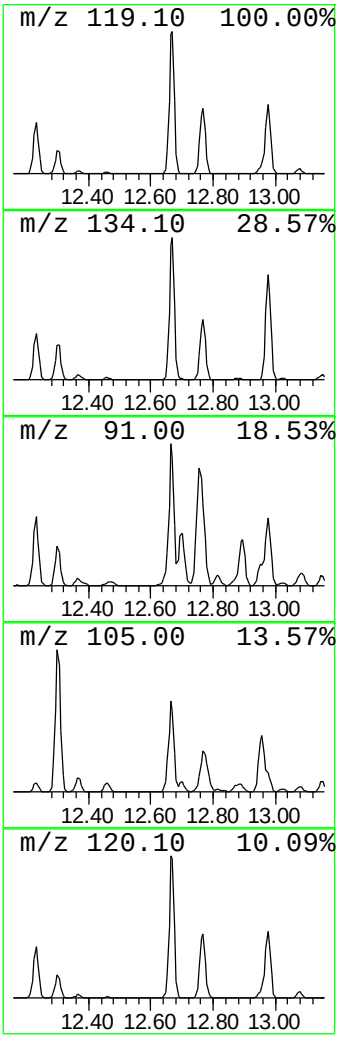
**********

Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.66 | 97.95 ug/l | 1909940 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

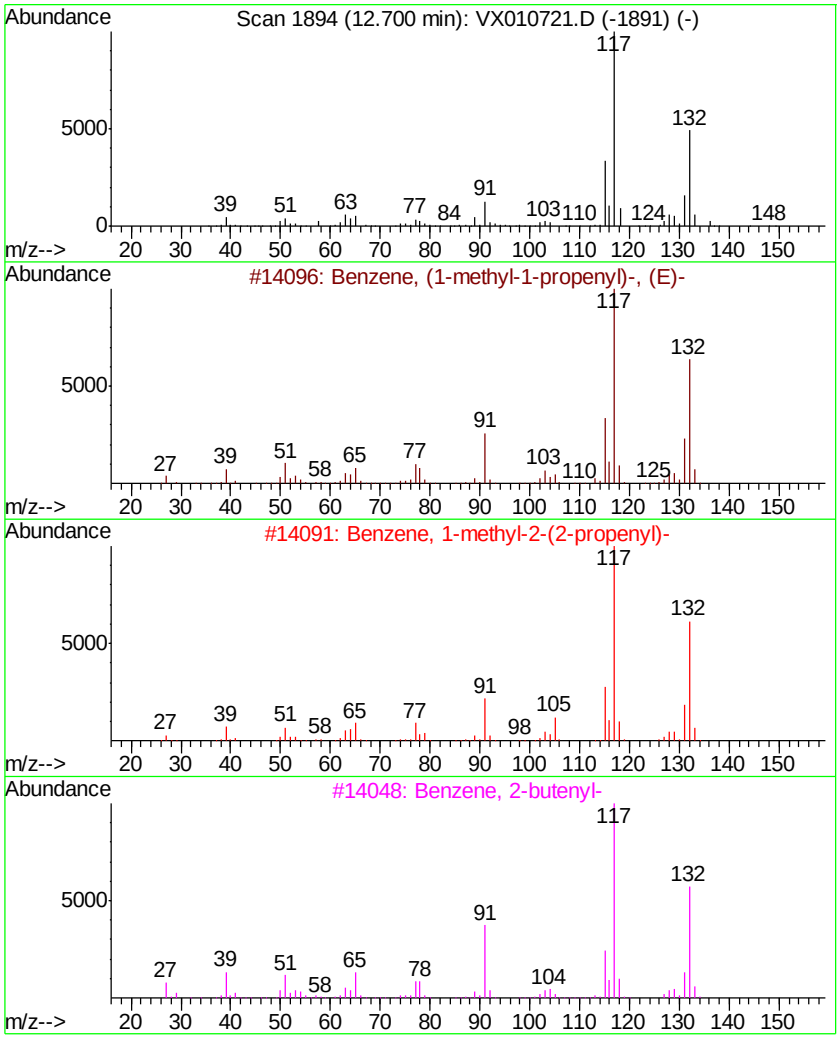
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

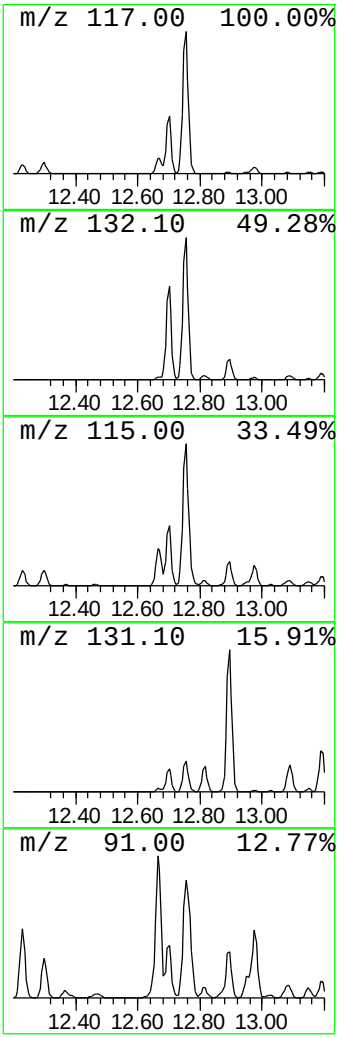
**********

Peak Number 6 Benzene, (1-methyl-1-propen... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 49.14 ug/l | 958253 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 90 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 90 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 90 |
| 4 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 90 |
| 5 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 90 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

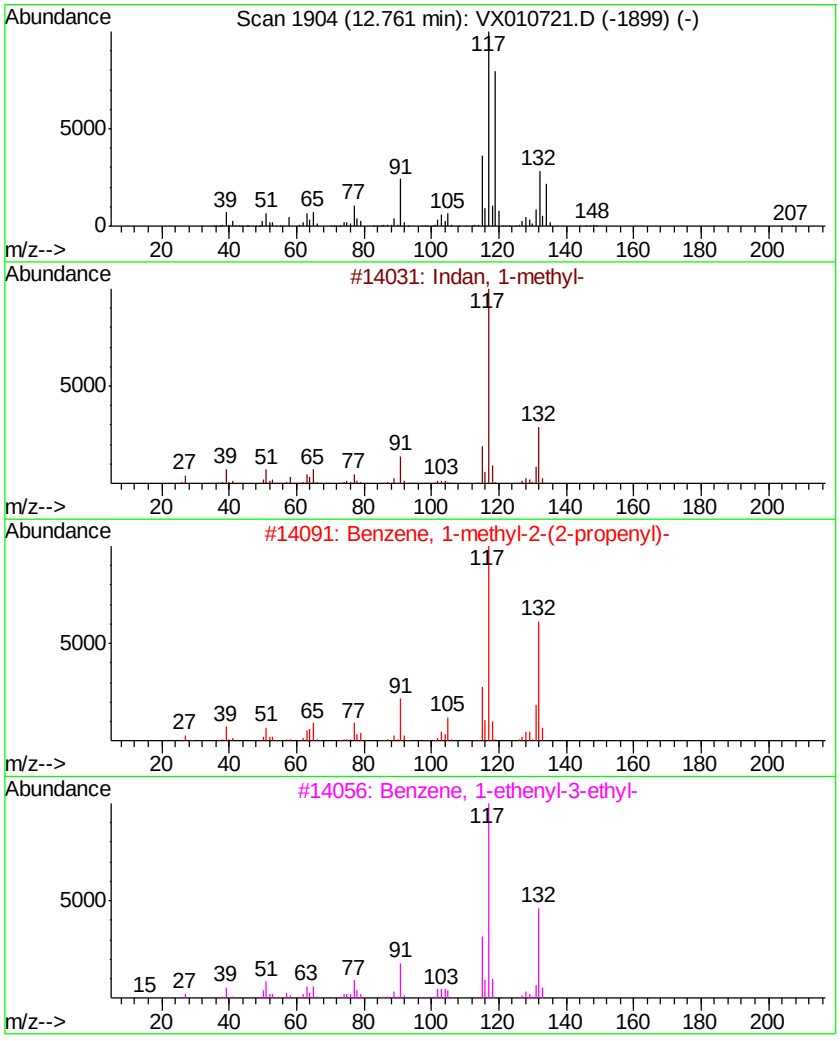
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

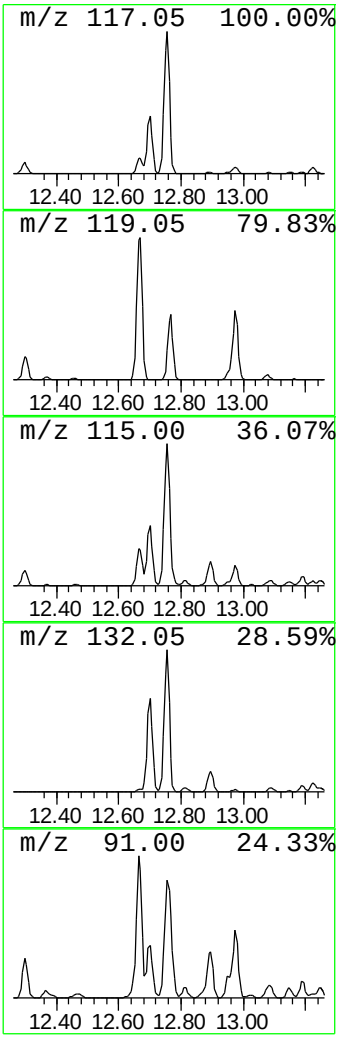
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.76 | 128.70 ug/l | 2509500 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 81 |
| 3 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 81 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 81 |
| 5 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 80 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

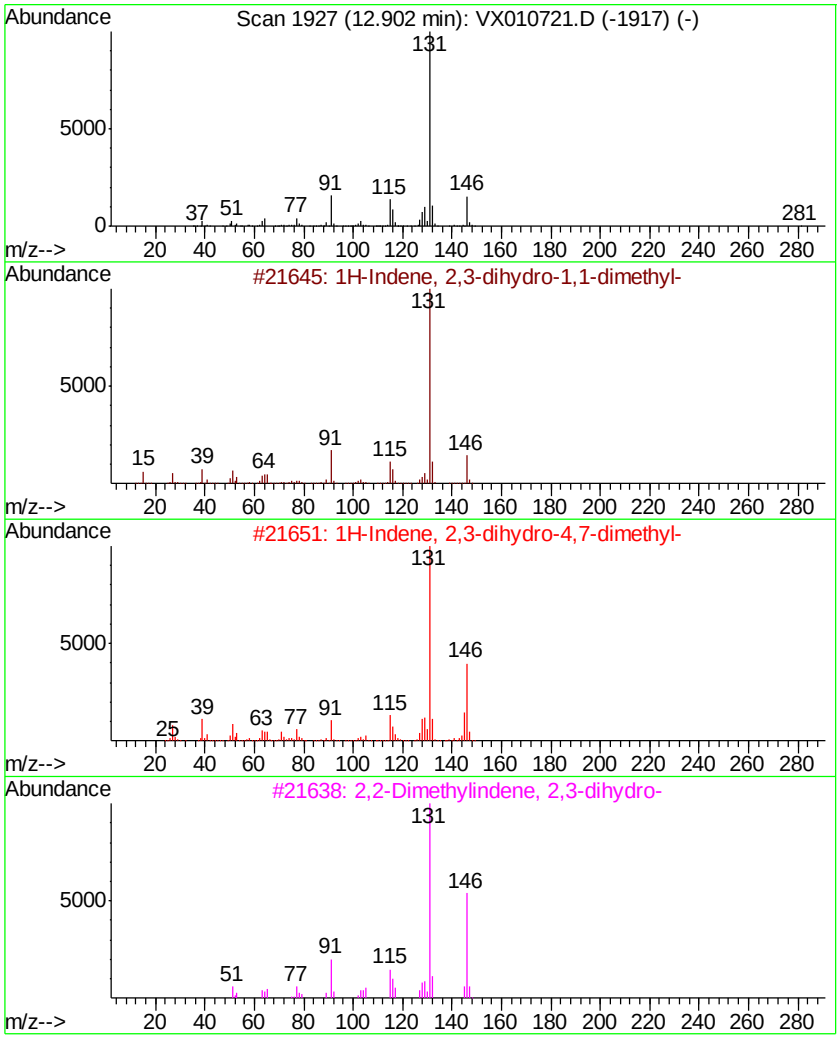
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

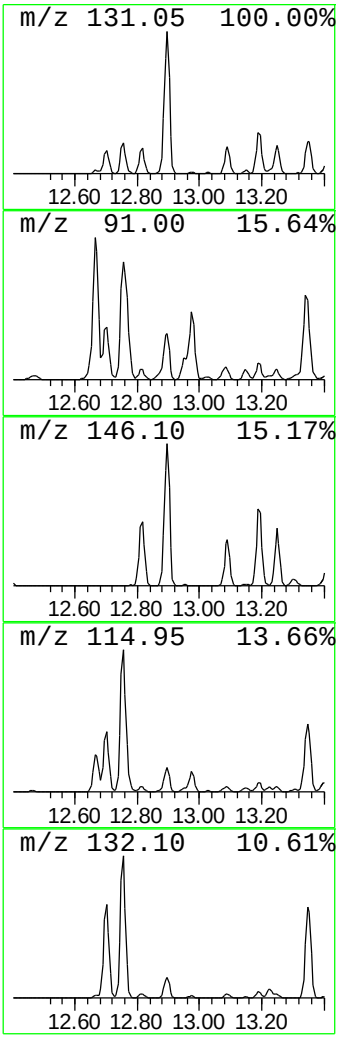
**********

Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.90 | 35.99 ug/l | 701758 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14 | 004912-92-9 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 91 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 90 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 90 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

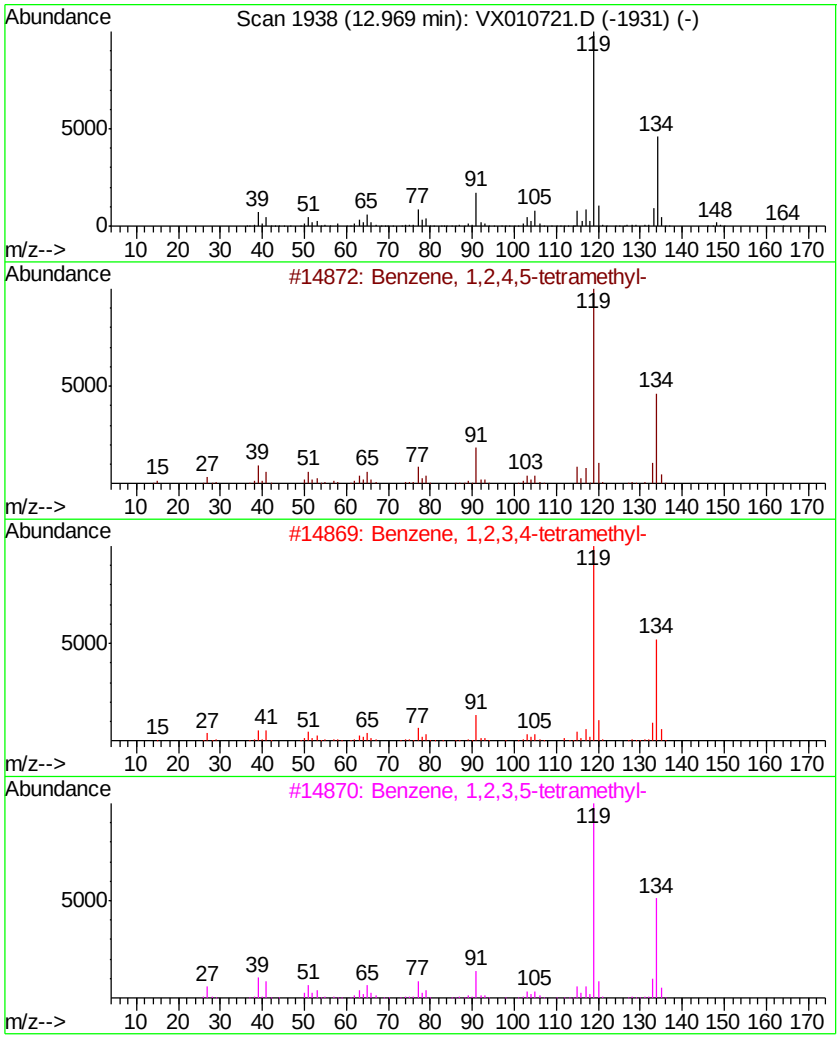
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

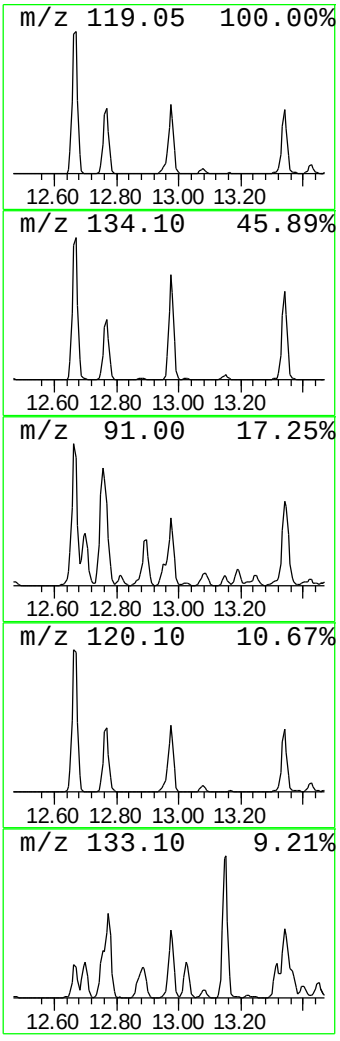
**********

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.97 | 59.85 ug/l | 1167120 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

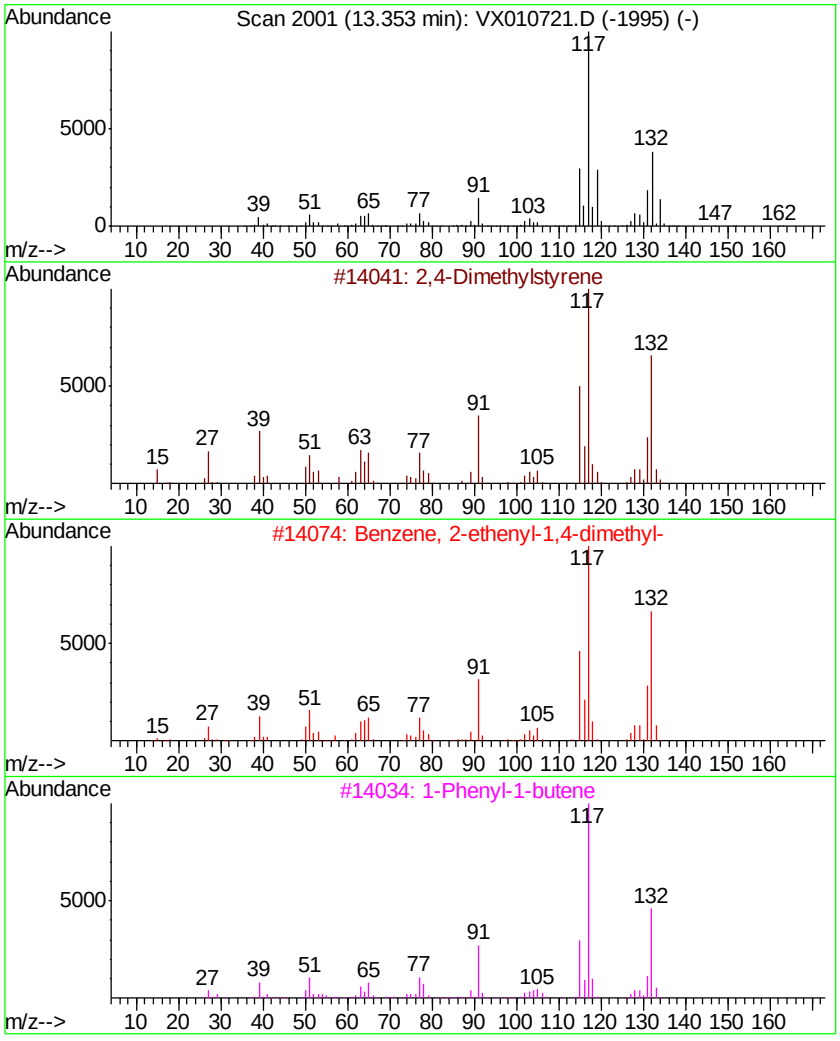
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

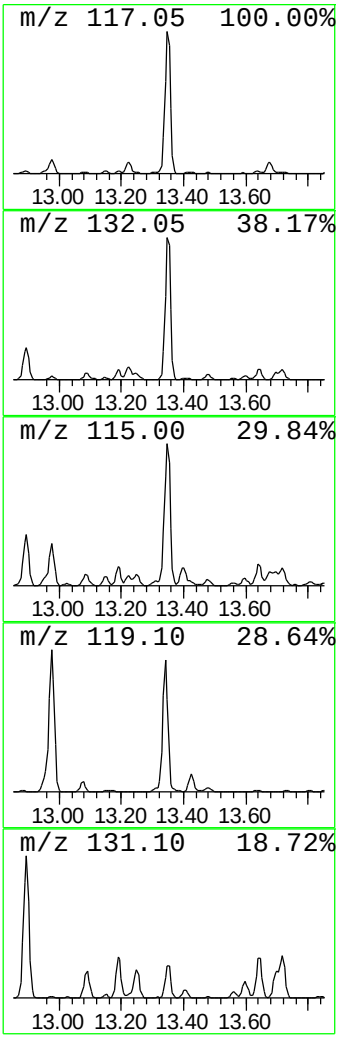
**********

Peak Number 10 2,4-Dimethylstyrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 90.33 ug/l | 1761310 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 95 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 93 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 91 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010721.D
Acq On : 09 Jul 2019 01:56
Operator : JC/SP
Sample : K3690-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SS038MW050-190703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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 |
| Butane, 2,2,3,3-t... | 6.35 | 125.5 | ug/l | 1896250 | 2 | 6.86 | 755610 | 50.0 |
| Pentane, 2,3,4-tr... | 8.05 | 78.3 | ug/l | 1183410 | 2 | 6.86 | 755610 | 50.0 |
| Pentane, 2,3,3-tr... | 8.18 | 144.8 | ug/l | 2187530 | 2 | 6.86 | 755610 | 50.0 |
| o-Cymene | 12.23 | 34.7 | ug/l | 677403 | 4 | 12.08 | 974968 | 50.0 |
| Benzene, 1-ethyl-... | 12.66 | 98.0 | ug/l | 1909940 | 4 | 12.08 | 974968 | 50.0 |
| Benzene, (1-methy... | 12.70 | 49.1 | ug/l | 958253 | 4 | 12.08 | 974968 | 50.0 |
| Indan, 1-methyl- | 12.76 | 128.7 | ug/l | 2509500 | 4 | 12.08 | 974968 | 50.0 |
| 1H-Indene, 2,3-di... | 12.90 | 36.0 | ug/l | 701758 | 4 | 12.08 | 974968 | 50.0 |
| Benzene, 1,2,4,5-... | 12.97 | 59.9 | ug/l | 1167120 | 4 | 12.08 | 974968 | 50.0 |
| 2,4-Dimethylstyrene | 13.35 | 90.3 | ug/l | 1761310 | 4 | 12.08 | 974968 | 50.0 |