LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

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 : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.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 | 1.237 | 69 | 72 | 73 | rBV | 47998 | 51991 | 4.13% | 0.281% |
| 2 | 1.266 | 73 | 75 | 84 | rVB | 552418 | 1004790 | 79.75% | 5.428% |
| 3 | 2.154 | 160 | 165 | 170 | rVB2 | 23308 | 41734 | 3.31% | 0.225% |
| 4 | 2.410 | 187 | 191 | 195 | rBV | 40053 | 71985 | 5.71% | 0.389% |
| 5 | 2.538 | 202 | 204 | 210 | rVB2 | 8858 | 19010 | 1.51% | 0.103% |
| 6 | 2.942 | 237 | 245 | 248 | rBV | 7799 | 18741 | 1.49% | 0.101% |
| 7 | 3.514 | 294 | 303 | 312 | rBV3 | 48216 | 217725 | 17.28% | 1.176% |
| 8 | 3.879 | 335 | 340 | 347 | rVB | 26818 | 72974 | 5.79% | 0.394% |
| 9 | 4.155 | 361 | 368 | 375 | rVB5 | 5176 | 21386 | 1.70% | 0.116% |
| 10 | 4.303 | 375 | 383 | 390 | rBV | 71213 | 188167 | 14.93% | 1.017% |
| 11 | 4.549 | 403 | 408 | 413 | rBV4 | 8201 | 26501 | 2.10% | 0.143% |
| 12 | 5.229 | 471 | 477 | 483 | rBV | 79727 | 220788 | 17.52% | 1.193% |
| 13 | 5.968 | 547 | 552 | 558 | rVB | 13879 | 37400 | 2.97% | 0.202% |
| 14 | 6.195 | 569 | 575 | 578 | rBV | 176802 | 450700 | 35.77% | 2.435% |
| 15 | 6.284 | 578 | 584 | 590 | rVB2 | 344258 | 1052929 | 83.57% | 5.688% |
| 16 | 6.511 | 601 | 607 | 612 | rBV2 | 38551 | 111422 | 8.84% | 0.602% |
| 17 | 6.570 | 612 | 613 | 619 | rVB5 | 10425 | 24205 | 1.92% | 0.131% |
| 18 | 6.698 | 619 | 626 | 635 | rBV | 131008 | 306757 | 24.35% | 1.657% |
| 19 | 6.856 | 635 | 642 | 647 | rVV3 | 34522 | 102286 | 8.12% | 0.553% |
| 20 | 6.944 | 647 | 651 | 655 | rVV2 | 24564 | 62698 | 4.98% | 0.339% |
| 21 | 7.033 | 655 | 660 | 671 | rVB2 | 40837 | 120806 | 9.59% | 0.653% |
| 22 | 7.210 | 671 | 678 | 692 | rBV | 120170 | 294804 | 23.40% | 1.593% |
| 23 | 7.417 | 692 | 699 | 710 | rBV | 429873 | 1065793 | 84.59% | 5.758% |
| 24 | 8.068 | 754 | 765 | 772 | rBV | 152712 | 473781 | 37.60% | 2.560% |
| 25 | 8.176 | 772 | 776 | 783 | rVB4 | 7938 | 21634 | 1.72% | 0.117% |
| 26 | 8.344 | 788 | 793 | 799 | rVB3 | 19795 | 48954 | 3.89% | 0.264% |
| 27 | 8.482 | 799 | 807 | 813 | rBV2 | 14490 | 43503 | 3.45% | 0.235% |
| 28 | 8.620 | 818 | 821 | 825 | rVV2 | 7488 | 19098 | 1.52% | 0.103% |
| 29 | 8.699 | 825 | 829 | 837 | rVB3 | 19794 | 54671 | 4.34% | 0.295% |
| 30 | 8.866 | 841 | 846 | 851 | rBV2 | 10962 | 25009 | 1.98% | 0.135% |
| 31 | 8.955 | 851 | 855 | 859 | rVV3 | 7689 | 20010 | 1.59% | 0.108% |
| 32 | 9.064 | 861 | 866 | 876 | rVB2 | 58673 | 169878 | 13.48% | 0.918% |
| 33 | 9.202 | 876 | 880 | 884 | rBV5 | 8048 | 24865 | 1.97% | 0.134% |
| 34 | 9.280 | 884 | 888 | 897 | rVB | 26621 | 69924 | 5.55% | 0.378% |

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

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 : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.409 | 897 | 901 | 911 | rVB2 | 26865 | 74472 | 5.91% | 0.402% |
| 36 | 9.596 | 914 | 920 | 929 | rBV | 512467 | 1259976 | 100.00% | 6.807% |
| 37 | 9.704 | 929 | 931 | 936 | rVB2 | 15209 | 34218 | 2.72% | 0.185% |
| 38 | 9.823 | 936 | 943 | 944 | rBV4 | 12217 | 28454 | 2.26% | 0.154% |
| 39 | 9.862 | 944 | 947 | 950 | rVV5 | 12183 | 39020 | 3.10% | 0.211% |
| 40 | 9.911 | 950 | 952 | 954 | rVV3 | 14540 | 29538 | 2.34% | 0.160% |
| 41 | 9.970 | 954 | 958 | 963 | rVB | 121384 | 266694 | 21.17% | 1.441% |
| 42 | 10.148 | 966 | 976 | 985 | rVB4 | 27202 | 107109 | 8.50% | 0.579% |
| 43 | 10.315 | 987 | 993 | 998 | rBV2 | 26785 | 73618 | 5.84% | 0.398% |
| 44 | 10.651 | 1022 | 1027 | 1032 | rBV | 21926 | 47924 | 3.80% | 0.259% |
| 45 | 10.789 | 1037 | 1041 | 1044 | rVV2 | 13756 | 33510 | 2.66% | 0.181% |
| 46 | 10.848 | 1044 | 1047 | 1052 | rVV6 | 18738 | 58881 | 4.67% | 0.318% |
| 47 | 10.936 | 1052 | 1056 | 1060 | rVB2 | 49307 | 99522 | 7.90% | 0.538% |
| 48 | 11.015 | 1060 | 1064 | 1068 | rBV2 | 45062 | 97263 | 7.72% | 0.525% |
| 49 | 11.173 | 1078 | 1080 | 1083 | rVV3 | 9962 | 19230 | 1.53% | 0.104% |
| 50 | 11.341 | 1088 | 1097 | 1105 | rVB4 | 33875 | 132185 | 10.49% | 0.714% |
| 51 | 11.479 | 1105 | 1111 | 1115 | rBV | 43823 | 96112 | 7.63% | 0.519% |
| 52 | 11.557 | 1115 | 1119 | 1127 | rVV | 600504 | 1097952 | 87.14% | 5.932% |
| 53 | 11.666 | 1127 | 1130 | 1133 | rVV2 | 13118 | 28722 | 2.28% | 0.155% |
| 54 | 11.715 | 1133 | 1135 | 1143 | rVB3 | 15639 | 43683 | 3.47% | 0.236% |
| 55 | 11.863 | 1143 | 1150 | 1154 | rBV | 407286 | 901325 | 71.54% | 4.869% |
| 56 | 11.932 | 1154 | 1157 | 1164 | rVB | 140315 | 303108 | 24.06% | 1.638% |
| 57 | 12.050 | 1164 | 1169 | 1171 | rBV5 | 8149 | 18204 | 1.44% | 0.098% |
| 58 | 12.238 | 1182 | 1188 | 1189 | rBV4 | 22777 | 54155 | 4.30% | 0.293% |
| 59 | 12.277 | 1189 | 1192 | 1196 | rVB | 131045 | 214665 | 17.04% | 1.160% |
| 60 | 12.445 | 1206 | 1209 | 1211 | rBV | 41208 | 66509 | 5.28% | 0.359% |
| 61 | 12.474 | 1211 | 1212 | 1216 | rVV | 22509 | 39407 | 3.13% | 0.213% |
| 62 | 12.563 | 1217 | 1221 | 1225 | rVV3 | 47563 | 99158 | 7.87% | 0.536% |
| 63 | 12.661 | 1228 | 1231 | 1234 | rVV | 72136 | 115780 | 9.19% | 0.626% |
| 64 | 12.730 | 1234 | 1238 | 1242 | rVV6 | 15582 | 40849 | 3.24% | 0.221% |
| 65 | 12.839 | 1242 | 1249 | 1253 | rVV | 448883 | 783591 | 62.19% | 4.233% |
| 66 | 12.928 | 1256 | 1258 | 1262 | rVV2 | 24172 | 45388 | 3.60% | 0.245% |
| 67 | 13.006 | 1262 | 1266 | 1269 | rVV4 | 14951 | 31463 | 2.50% | 0.170% |
| 68 | 13.066 | 1269 | 1272 | 1275 | rVV | 60998 | 90920 | 7.22% | 0.491% |
| 69 | 13.144 | 1275 | 1280 | 1283 | rVV | 308674 | 540867 | 42.93% | 2.922% |
| 70 | 13.184 | 1283 | 1284 | 1287 | rVV | 143605 | 194131 | 15.41% | 1.049% |
| 71 | 13.243 | 1287 | 1290 | 1297 | rVB2 | 204960 | 457578 | 36.32% | 2.472% |

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

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 : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.411 | 1303 | 1307 | 1316 | rVB | 156473 | 257023 | 20.40% | 1.389% |
| 73 | 13.519 | 1316 | 1318 | 1320 | rBV2 | 15482 | 20164 | 1.60% | 0.109% |
| 74 | 13.578 | 1320 | 1324 | 1330 | rVV | 581102 | 878320 | 69.71% | 4.745% |
| 75 | 13.716 | 1335 | 1338 | 1342 | rBV3 | 23189 | 48780 | 3.87% | 0.264% |
| 76 | 13.805 | 1342 | 1347 | 1350 | rBV | 59159 | 103453 | 8.21% | 0.559% |
| 77 | 13.864 | 1350 | 1353 | 1354 | rVV | 25941 | 39421 | 3.13% | 0.213% |
| 78 | 13.903 | 1354 | 1357 | 1359 | rVV | 578100 | 929496 | 73.77% | 5.022% |
| 79 | 13.943 | 1359 | 1361 | 1366 | rVB | 226412 | 334927 | 26.58% | 1.809% |
| 80 | 14.022 | 1366 | 1369 | 1374 | rVB3 | 14834 | 30648 | 2.43% | 0.166% |
| 81 | 14.130 | 1374 | 1380 | 1383 | rBV3 | 65882 | 170678 | 13.55% | 0.922% |
| 82 | 14.179 | 1383 | 1385 | 1390 | rVV3 | 96139 | 169340 | 13.44% | 0.915% |
| 83 | 14.288 | 1392 | 1396 | 1399 | rVV2 | 29549 | 57246 | 4.54% | 0.309% |
| 84 | 14.337 | 1399 | 1401 | 1405 | rVB | 28184 | 38856 | 3.08% | 0.210% |
| 85 | 14.406 | 1405 | 1408 | 1409 | rBV | 52681 | 73529 | 5.84% | 0.397% |
| 86 | 14.436 | 1409 | 1411 | 1414 | rVB | 67726 | 97255 | 7.72% | 0.525% |
| 87 | 14.495 | 1414 | 1417 | 1420 | rVB | 81784 | 116786 | 9.27% | 0.631% |
| 88 | 14.603 | 1424 | 1428 | 1432 | rVB | 115561 | 200959 | 15.95% | 1.086% |
| 89 | 14.741 | 1439 | 1442 | 1444 | rBV | 31891 | 52126 | 4.14% | 0.282% |
| 90 | 14.820 | 1447 | 1450 | 1452 | rBV2 | 20345 | 27933 | 2.22% | 0.151% |
| 91 | 14.860 | 1452 | 1454 | 1457 | rVB | 63477 | 86300 | 6.85% | 0.466% |
| 92 | 14.919 | 1457 | 1460 | 1461 | rBV | 15941 | 25110 | 1.99% | 0.136% |
| 93 | 15.096 | 1475 | 1478 | 1481 | rVV | 42501 | 69853 | 5.54% | 0.377% |
| 94 | 15.155 | 1481 | 1484 | 1486 | rVB3 | 15408 | 25050 | 1.99% | 0.135% |
| 95 | 15.214 | 1486 | 1490 | 1494 | rBV2 | 108692 | 234734 | 18.63% | 1.268% |
| 96 | 15.382 | 1504 | 1507 | 1510 | rVB | 15041 | 25431 | 2.02% | 0.137% |
| 97 | 15.500 | 1512 | 1519 | 1521 | rBV2 | 21391 | 51223 | 4.07% | 0.277% |
| 98 | 15.619 | 1527 | 1531 | 1537 | rVB | 24754 | 62218 | 4.94% | 0.336% |
| 99 | 15.816 | 1547 | 1551 | 1556 | rVB | 18093 | 35883 | 2.85% | 0.194% |
| 100 | 16.930 | 1660 | 1664 | 1672 | rVB3 | 7889 | 25071 | 1.99% | 0.135% |

Sum of corrected areas: 18509913

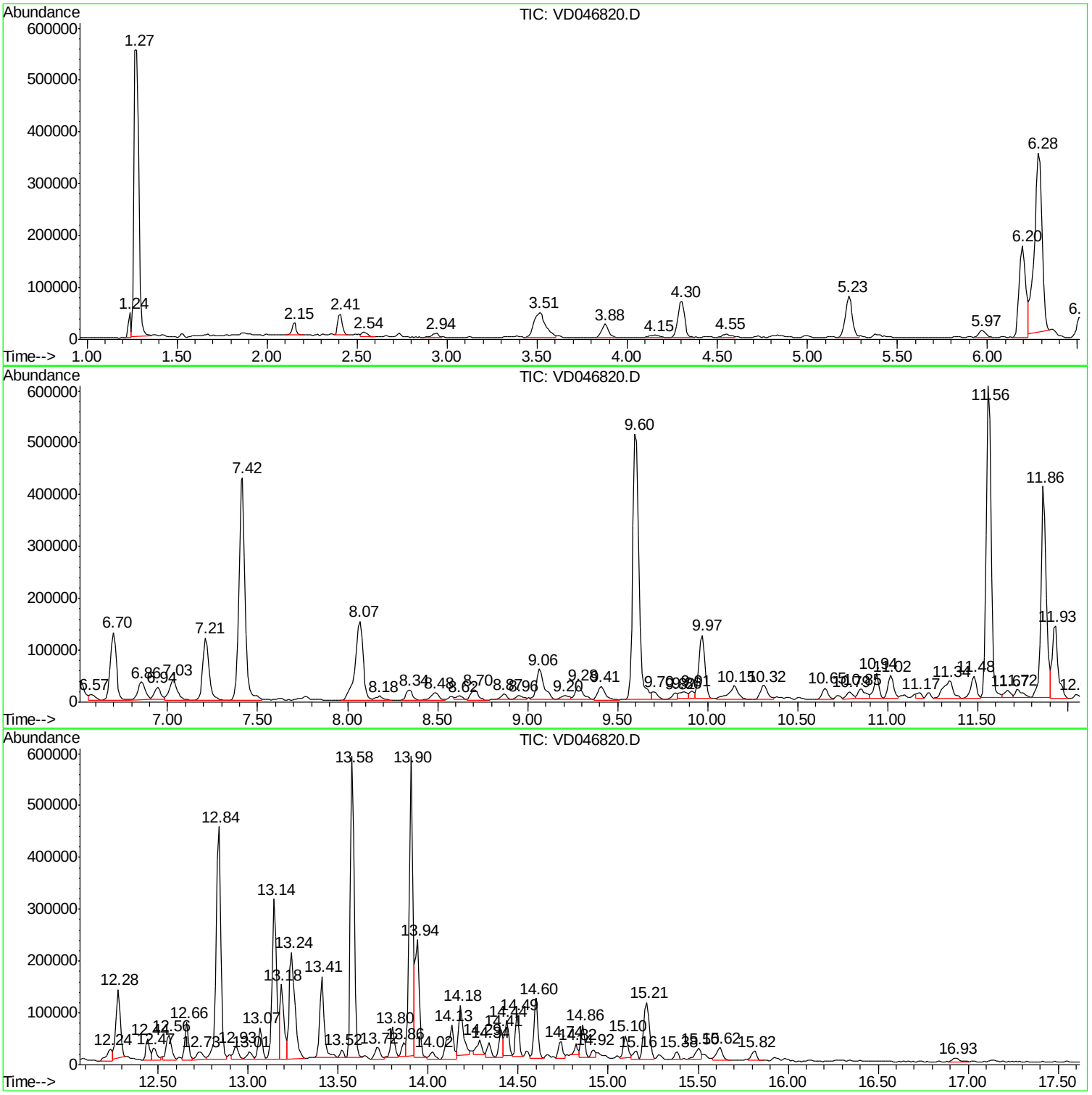
LSC Report - Integrated Chromatogram

Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

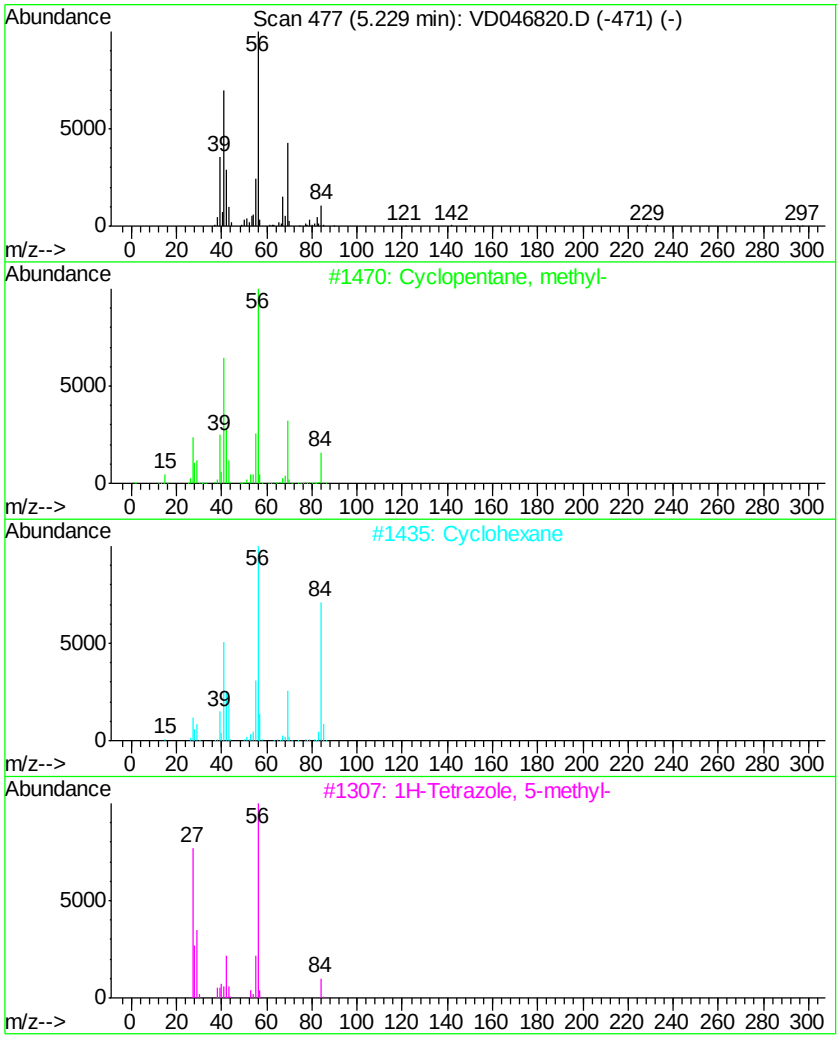
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

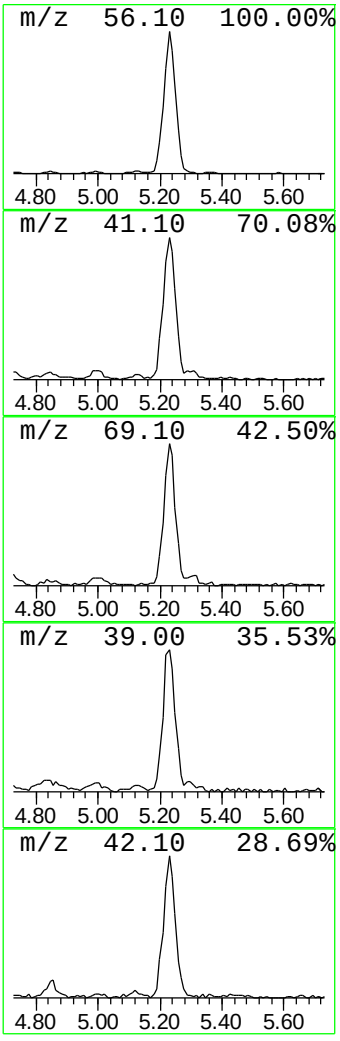
**********

Peak Number 2 Cyclopentane, methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.23 | 10.48 ug/l | 220788 | Pentafluorobenzene | 6.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 83 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 52 |
| 4 | Cyclobutane, 1,2-diethyl-, cis- | 112 | C8H16 | 061141-50-2 | 50 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 50 |



Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

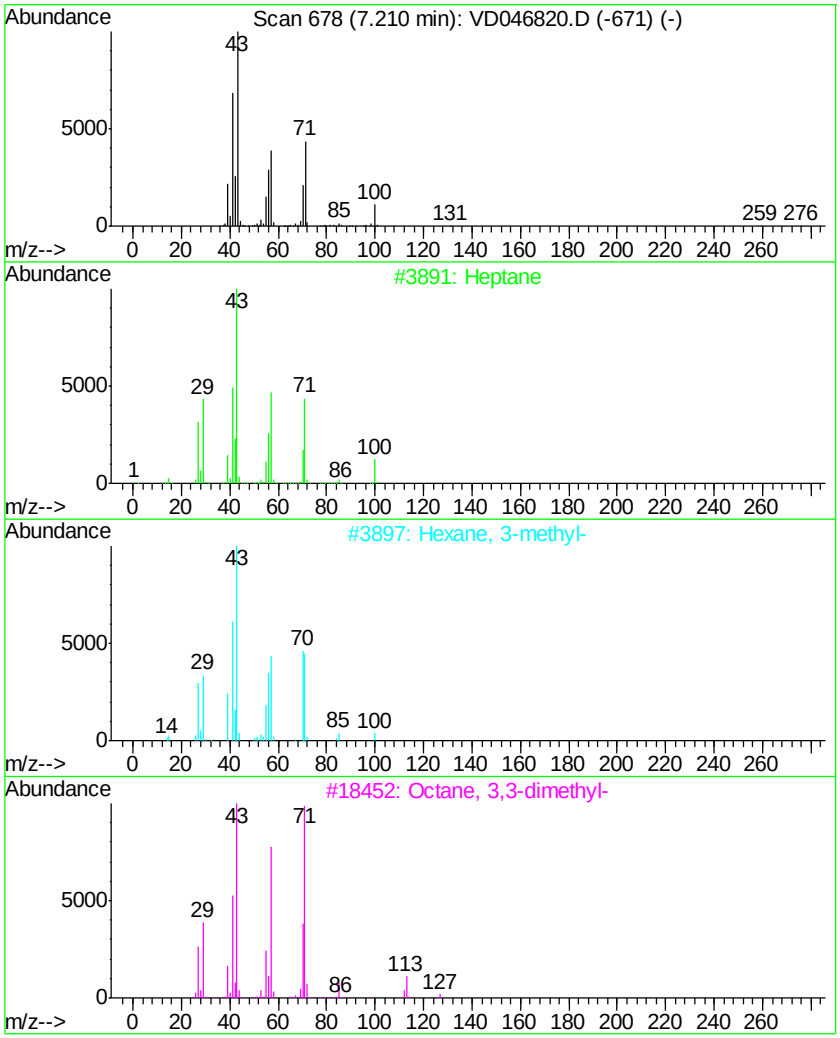
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

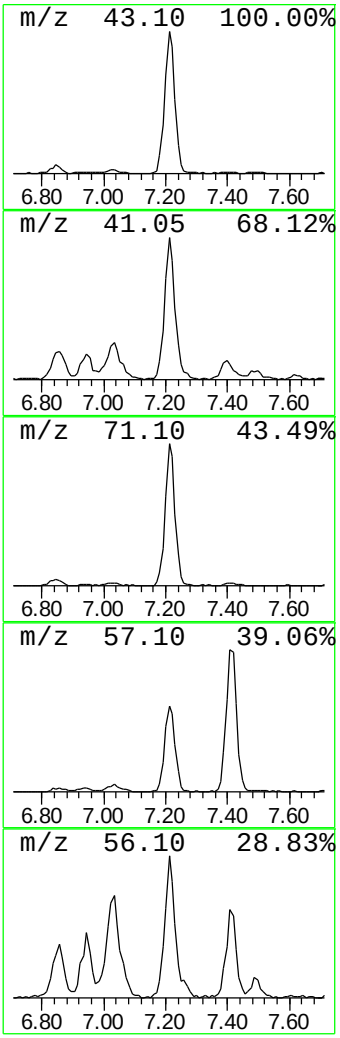
**********

Peak Number 3 Heptane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.21 | 13.83 ug/l | 294804 | 1,4-Difluorobenzene | 7.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 2 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 42 |
| 3 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 37 |
| 4 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 28 |
| 5 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 28 |



Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

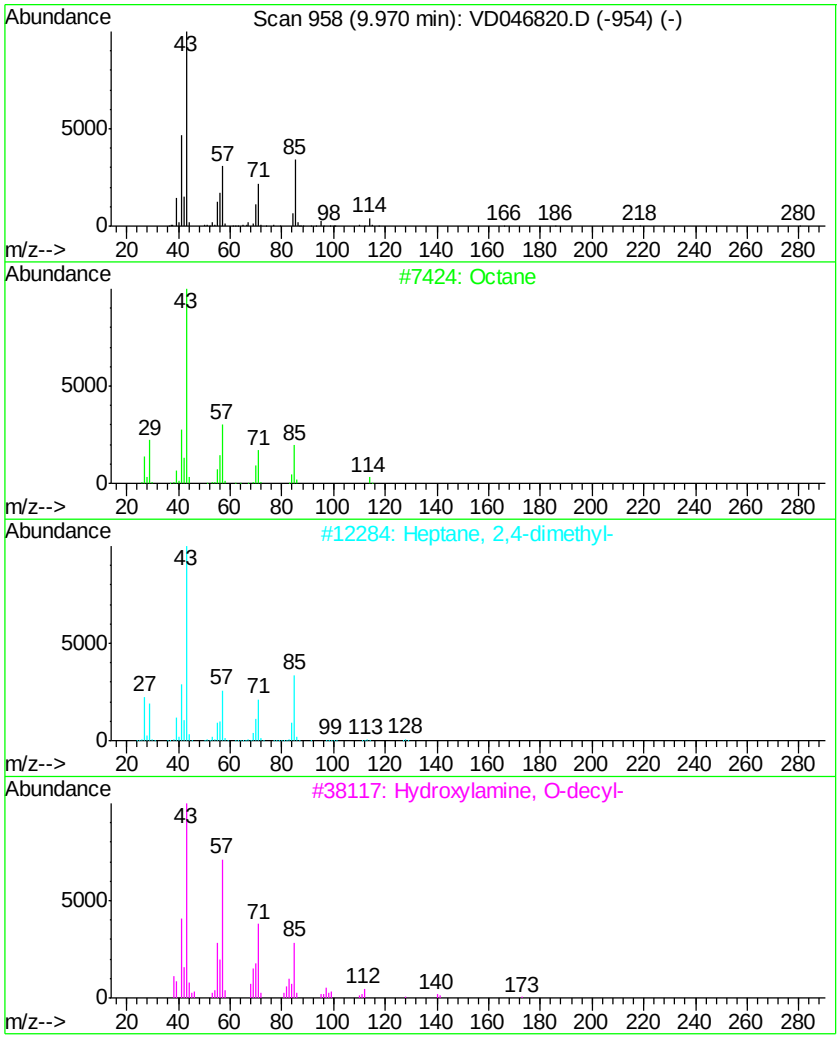
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

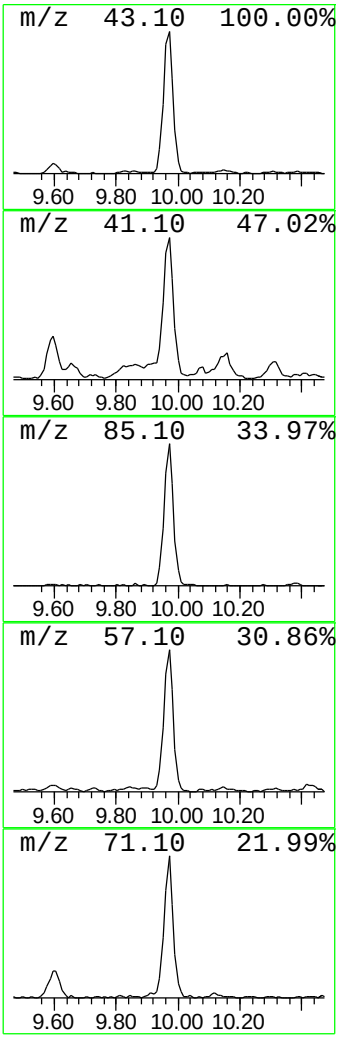
**********

Peak Number 4 Octane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.97 | 12.15 ug/l | 266694 | Chlorobenzene-d5 | 11.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane | 114 | C8H18 | 000111-65-9 | 91 |
| 2 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 72 |
| 3 | Hydroxylamine, O-decyl- | 173 | C10H23NO | 029812-79-1 | 64 |
| 4 | Ether, hexyl pentyl | 172 | C11H24O | 032357-83-8 | 56 |
| 5 | Undecane, 2,4-dimethyl- | 184 | C13H28 | 017312-80-0 | 53 |



# Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

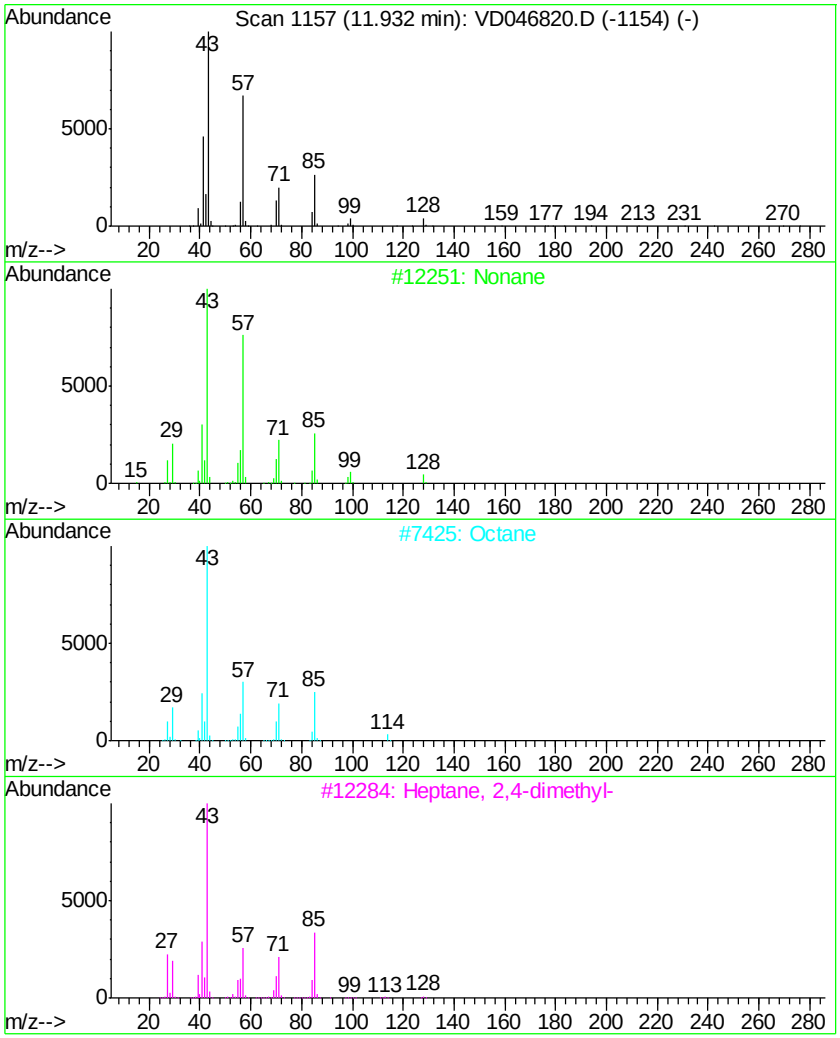
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

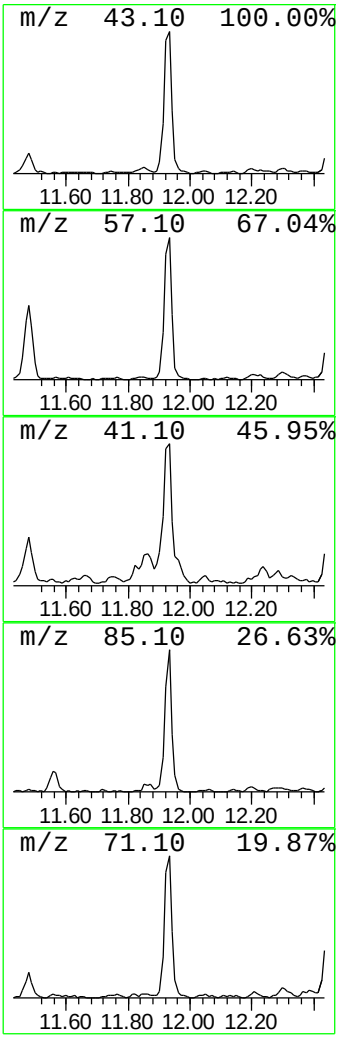
**********

Peak Number 5 Nonane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 13.80 ug/l | 303108 | Chlorobenzene-d5 | 11.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane | 128 | C9H20 | 000111-84-2 | 91 |
| 2 | Octane | 114 | C8H18 | 000111-65-9 | 72 |
| 3 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 72 |
| 4 | Undecane, 2,4-dimethyl- | 184 | C13H28 | 017312-80-0 | 59 |
| 5 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 53 |



Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

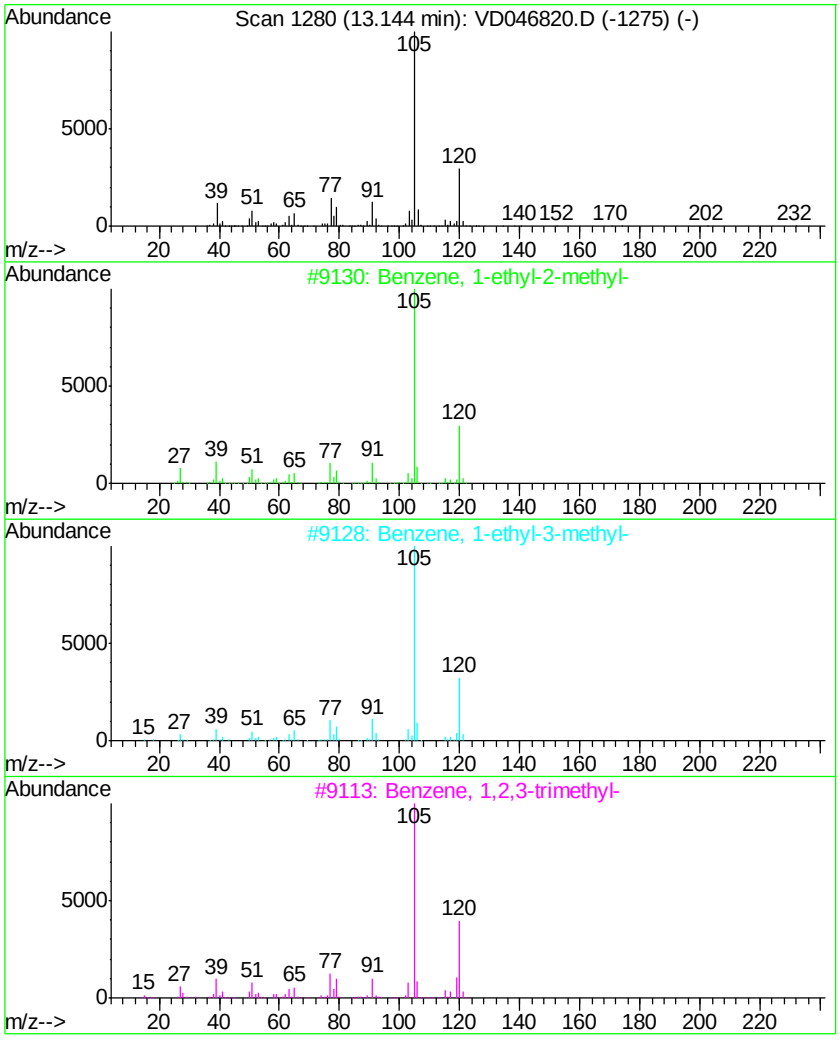
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

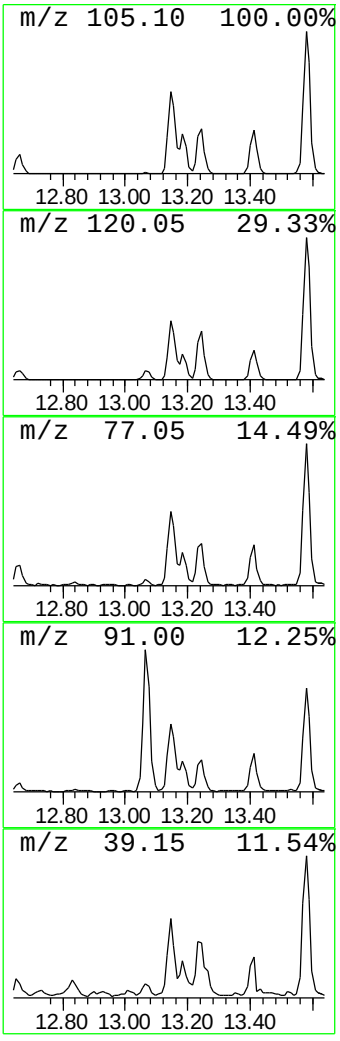
**********

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.14 | 29.09 ug/l | 540867 | 1,4-Dichlorobenzene-d4 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



# Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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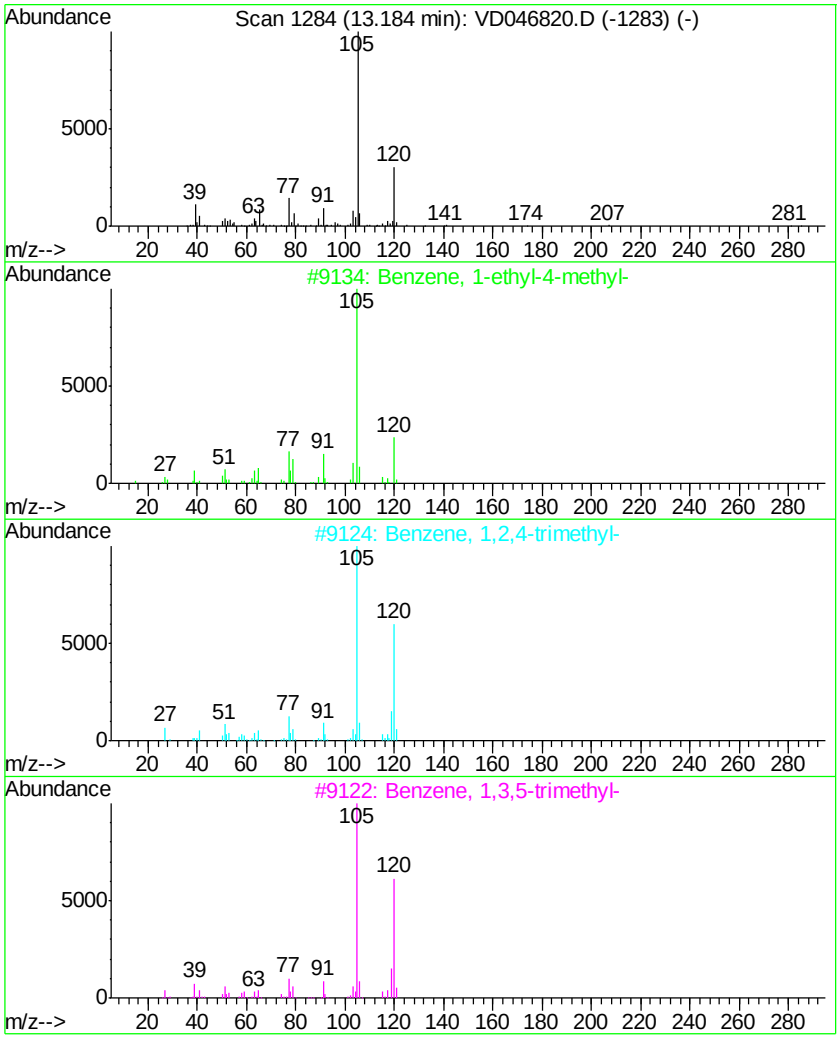
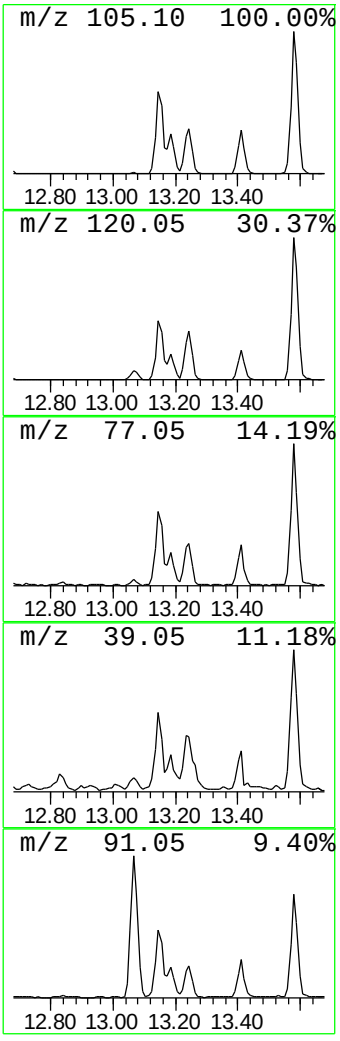
Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.18 | 10.44 ug/l | 194131 | 1,4-Dichlorobenzene-d4 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 90 |
| 3 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 87 |
| 4 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 86 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 78 |



Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

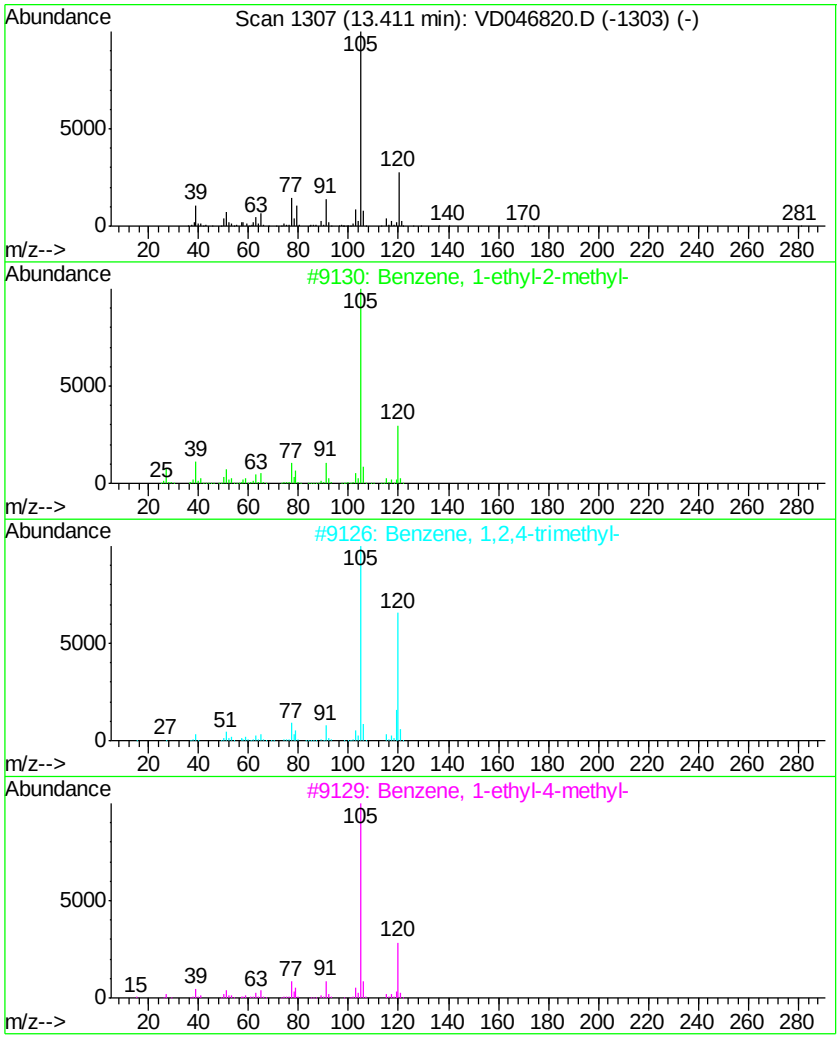
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

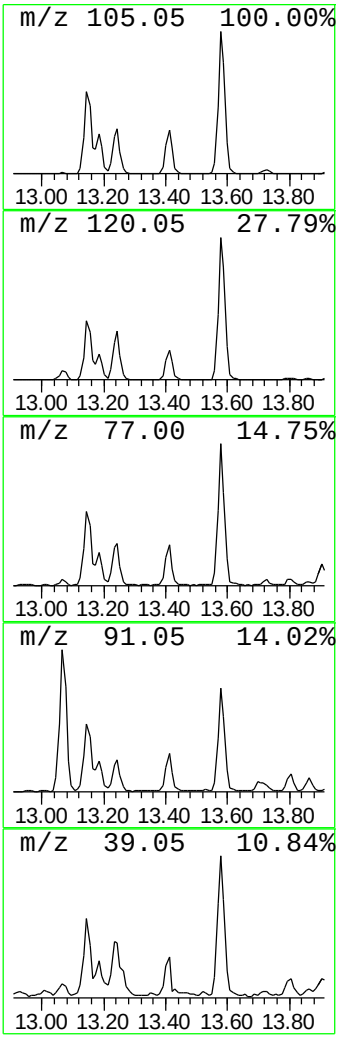
**********

Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.41 | 13.83 ug/l | 257023 | 1,4-Dichlorobenzene-d4 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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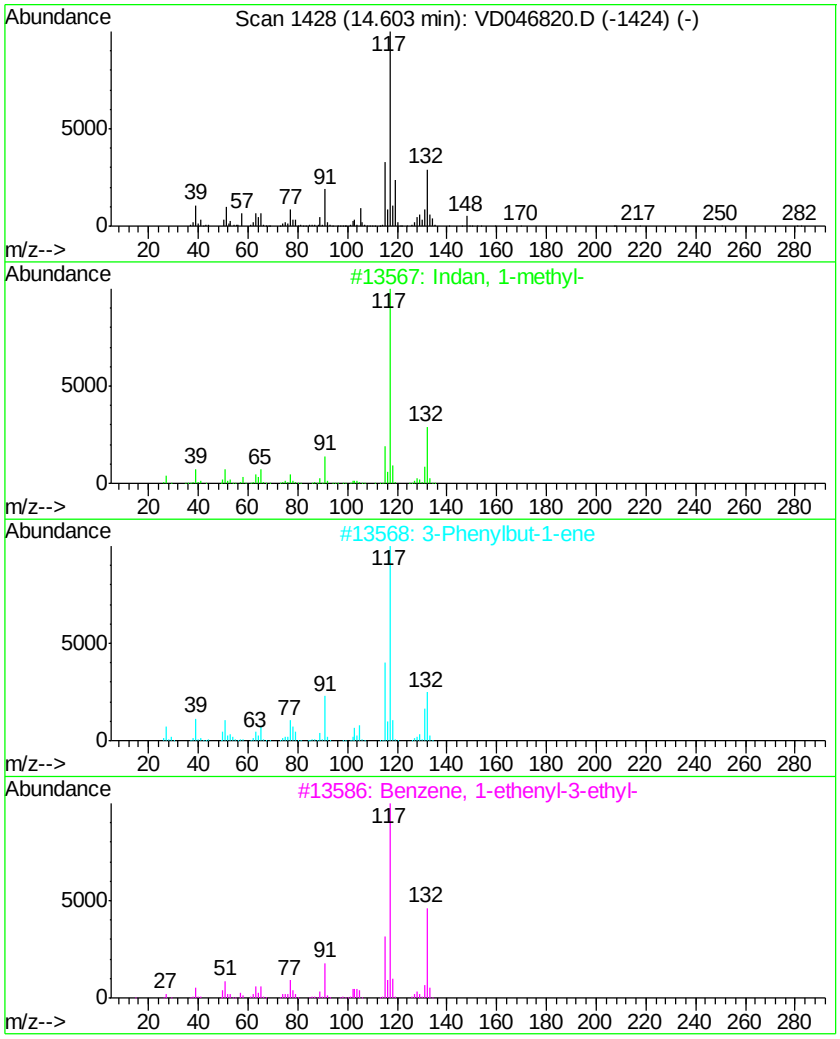
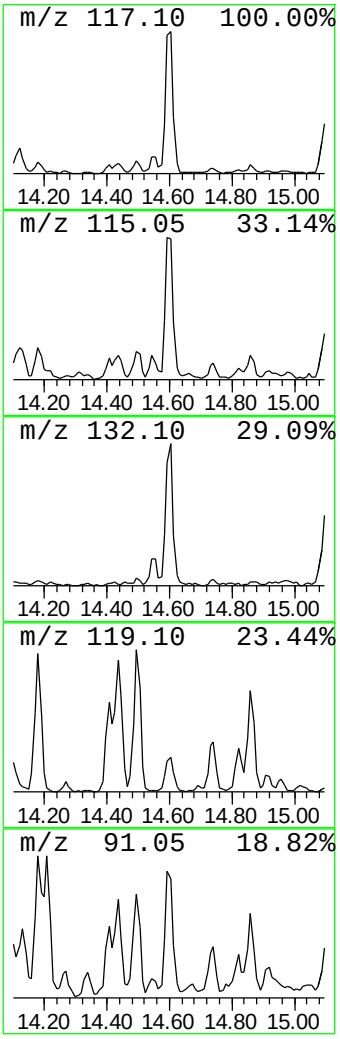
Peak Number 9 Indan, 1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.60 | 10.81 ug/l | 200959 | 1,4-Dichlorobenzene-d4 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 76 |
| 3 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 74 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 74 |
| 5 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 72 |



Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

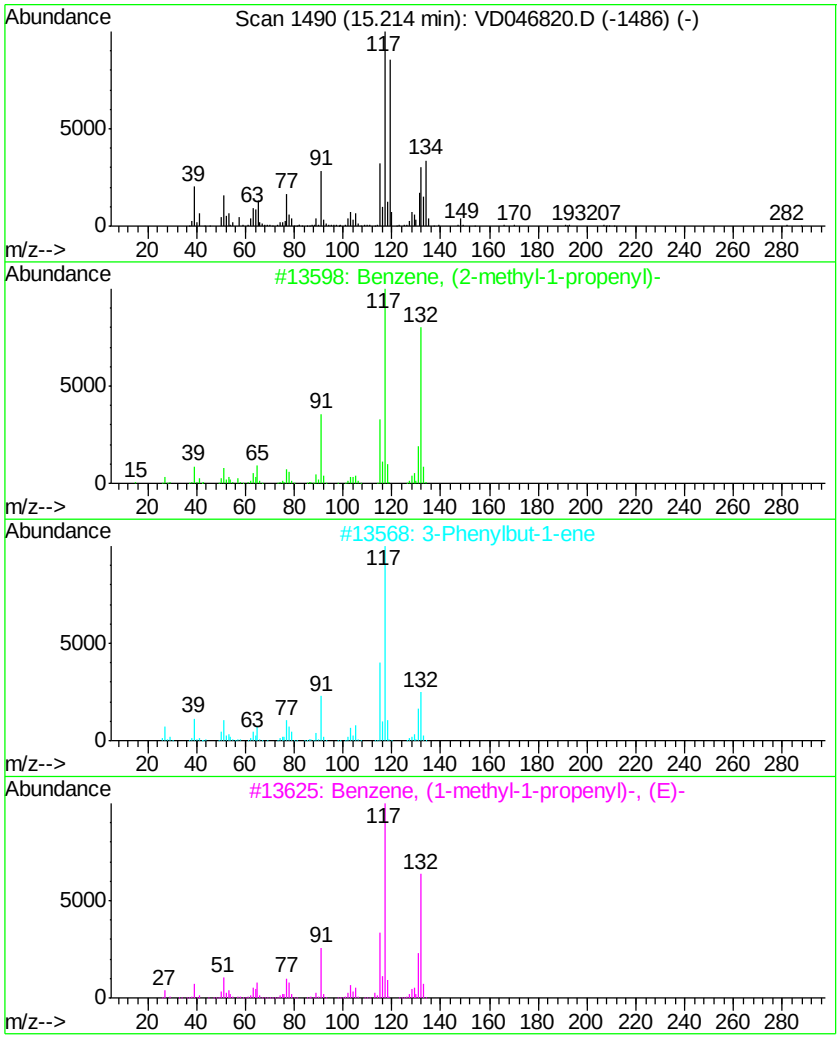
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

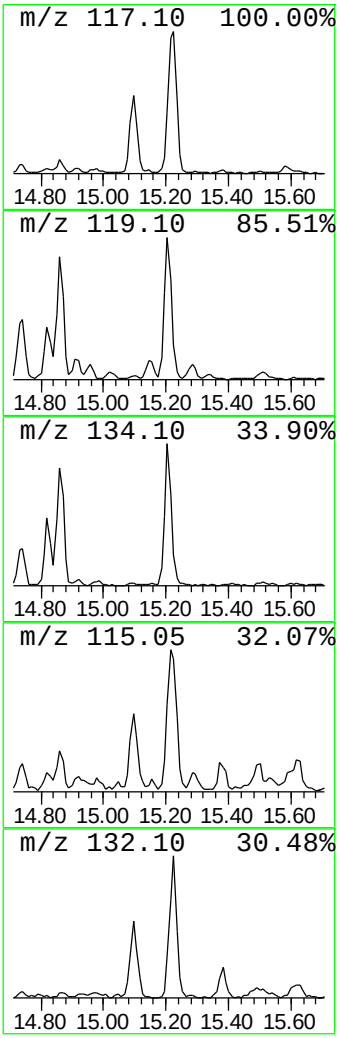
**********

Peak Number 10 Benzene, (2-methyl-1-propen... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.21 | 12.63 ug/l | 234734 | 1,4-Dichlorobenzene-d4 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 55 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 55 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 49 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 49 |
| 5 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 49 |



Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_D\Data\VD092115\
Data File : VD046820.D
Acq On : 21 Sep 2015 21:08
Operator : FY/SY
Sample : G3727-03
Misc : 6.18gm/5mL/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MMB6B

Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Cyclopentane, met... | 5.23 | 10.5 | ug/l | 220788 | 1 | 6.29 | 1052930 | 50.0 |
| Heptane | 7.21 | 13.8 | ug/l | 294804 | 2 | 7.42 | 1065790 | 50.0 |
| Octane | 9.97 | 12.2 | ug/l | 266694 | 3 | 11.56 | 1097950 | 50.0 |
| Nonane | 11.93 | 13.8 | ug/l | 303108 | 3 | 11.56 | 1097950 | 50.0 |
| Benzene, 1-ethyl-... | 13.14 | 29.1 | ug/l | 540867 | 4 | 13.90 | 929496 | 50.0 |
| Benzene, 1-ethyl-... | 13.18 | 10.4 | ug/l | 194131 | 4 | 13.90 | 929496 | 50.0 |
| Benzene, 1,2,4-tr... | 13.41 | 13.8 | ug/l | 257023 | 4 | 13.90 | 929496 | 50.0 |
| Indan, 1-methyl- | 14.60 | 10.8 | ug/l | 200959 | 4 | 13.90 | 929496 | 50.0 |
| Benzene, (2-methy... | 15.21 | 12.6 | ug/l | 234734 | 4 | 13.90 | 929496 | 50.0 |