LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100218\
Data File : VW005794.D
Acq On : 03 Oct 2018 00:18
Operator : SY/AP
Sample : J5182-07
Misc : 5.04G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** JLC56

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM092818S.M
Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.355 | 69 | 74 | 87 | rVB | 28198 | 61781 | 10.08% | 1.241% |
| 2 | 2.898 | 156 | 163 | 178 | rVB2 | 20638 | 63275 | 10.33% | 1.271% |
| 3 | 3.855 | 314 | 320 | 324 | rBV4 | 748 | 1614 | 0.26% | 0.032% |
| 4 | 4.013 | 335 | 346 | 361 | rBV2 | 54470 | 178238 | 29.09% | 3.580% |
| 5 | 4.263 | 385 | 387 | 388 | rBV | 222 | 155 | 0.03% | 0.003% |
| 6 | 4.300 | 391 | 393 | 398 | rVB2 | 413 | 622 | 0.10% | 0.012% |
| 7 | 4.672 | 450 | 454 | 456 | rBV2 | 461 | 481 | 0.08% | 0.010% |
| 8 | 4.916 | 479 | 494 | 511 | rBV3 | 16444 | 60281 | 9.84% | 1.211% |
| 9 | 5.117 | 526 | 527 | 533 | rBV3 | 238 | 375 | 0.06% | 0.008% |
| 10 | 5.251 | 547 | 549 | 550 | rBV | 352 | 231 | 0.04% | 0.005% |
| 11 | 5.269 | 550 | 552 | 554 | rVB2 | 351 | 263 | 0.04% | 0.005% |
| 12 | 5.379 | 567 | 570 | 572 | rBV | 277 | 286 | 0.05% | 0.006% |
| 13 | 5.397 | 572 | 573 | 575 | rBV | 199 | 171 | 0.03% | 0.003% |
| 14 | 5.568 | 596 | 601 | 605 | rBV3 | 270 | 575 | 0.09% | 0.012% |
| 15 | 5.684 | 618 | 620 | 621 | rBV | 180 | 153 | 0.02% | 0.003% |
| 16 | 5.726 | 626 | 627 | 632 | rBV | 211 | 381 | 0.06% | 0.008% |
| 17 | 5.836 | 643 | 645 | 646 | rBV2 | 288 | 260 | 0.04% | 0.005% |
| 18 | 5.940 | 651 | 662 | 676 | rVB2 | 24076 | 69448 | 11.34% | 1.395% |
| 19 | 6.049 | 678 | 680 | 683 | rBV2 | 165 | 142 | 0.02% | 0.003% |
| 20 | 6.086 | 683 | 686 | 687 | rBV2 | 214 | 240 | 0.04% | 0.005% |
| 21 | 6.269 | 712 | 716 | 718 | rBV | 223 | 228 | 0.04% | 0.005% |
| 22 | 6.488 | 750 | 752 | 754 | rBV2 | 184 | 178 | 0.03% | 0.004% |
| 23 | 6.616 | 771 | 773 | 776 | rBV3 | 245 | 226 | 0.04% | 0.005% |
| 24 | 6.927 | 822 | 824 | 827 | rBV3 | 163 | 203 | 0.03% | 0.004% |
| 25 | 7.019 | 837 | 839 | 841 | rBV2 | 234 | 220 | 0.04% | 0.004% |
| 26 | 7.092 | 841 | 851 | 856 | rBV | 26065 | 70717 | 11.54% | 1.420% |
| 27 | 7.391 | 898 | 900 | 904 | rVB2 | 288 | 235 | 0.04% | 0.005% |
| 28 | 7.446 | 908 | 909 | 912 | rVB2 | 244 | 175 | 0.03% | 0.004% |
| 29 | 7.476 | 912 | 914 | 916 | rBV2 | 236 | 266 | 0.04% | 0.005% |
| 30 | 7.513 | 919 | 920 | 921 | rBV | 273 | 196 | 0.03% | 0.004% |
| 31 | 7.653 | 932 | 943 | 953 | rBV | 122304 | 296690 | 48.42% | 5.960% |
| 32 | 7.817 | 968 | 970 | 974 | rVB3 | 206 | 251 | 0.04% | 0.005% |
| 33 | 8.031 | 1003 | 1005 | 1006 | rBV2 | 184 | 156 | 0.03% | 0.003% |
| 34 | 8.055 | 1006 | 1009 | 1010 | rVB | 209 | 188 | 0.03% | 0.004% |

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Sample : J5182-07
Misc : 5.04G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** JLC56

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM092818S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.128 | 1019 | 1021 | 1024 | rBV | 232 | 203 | 0.03% | 0.004% |
| 36 | 8.281 | 1034 | 1046 | 1063 | rBV2 | 193327 | 612680 | 100.00% | 12.307% |
| 37 | 8.494 | 1078 | 1081 | 1082 | rBV3 | 292 | 261 | 0.04% | 0.005% |
| 38 | 8.634 | 1101 | 1104 | 1110 | rBV2 | 305 | 424 | 0.07% | 0.009% |
| 39 | 8.689 | 1110 | 1113 | 1114 | rBV3 | 308 | 250 | 0.04% | 0.005% |
| 40 | 8.848 | 1130 | 1139 | 1150 | rBV | 213393 | 415416 | 67.80% | 8.344% |
| 41 | 8.970 | 1157 | 1159 | 1161 | rBV2 | 209 | 144 | 0.02% | 0.003% |
| 42 | 9.079 | 1165 | 1177 | 1185 | rBV7 | 2173 | 5535 | 0.90% | 0.111% |
| 43 | 9.281 | 1201 | 1210 | 1220 | rBV | 150133 | 298299 | 48.69% | 5.992% |
| 44 | 9.384 | 1225 | 1227 | 1230 | rVB2 | 351 | 342 | 0.06% | 0.007% |
| 45 | 9.427 | 1232 | 1234 | 1236 | rBV | 176 | 205 | 0.03% | 0.004% |
| 46 | 9.518 | 1247 | 1249 | 1253 | rVB2 | 297 | 399 | 0.07% | 0.008% |
| 47 | 9.677 | 1270 | 1275 | 1277 | rBV2 | 788 | 1245 | 0.20% | 0.025% |
| 48 | 9.762 | 1285 | 1289 | 1295 | rVB4 | 1112 | 1912 | 0.31% | 0.038% |
| 49 | 9.841 | 1301 | 1302 | 1304 | rBV | 185 | 154 | 0.03% | 0.003% |
| 50 | 9.902 | 1306 | 1312 | 1319 | rVB5 | 3267 | 6812 | 1.11% | 0.137% |
| 51 | 10.037 | 1327 | 1334 | 1342 | rVB | 75651 | 136398 | 22.26% | 2.740% |
| 52 | 10.152 | 1351 | 1353 | 1354 | rVB2 | 426 | 203 | 0.03% | 0.004% |
| 53 | 10.213 | 1359 | 1363 | 1366 | rBV2 | 877 | 1163 | 0.19% | 0.023% |
| 54 | 10.250 | 1366 | 1369 | 1374 | rVB4 | 1494 | 2199 | 0.36% | 0.044% |
| 55 | 10.329 | 1374 | 1382 | 1390 | rBV | 273880 | 486170 | 79.35% | 9.766% |
| 56 | 10.579 | 1415 | 1423 | 1434 | rBV | 58447 | 100046 | 16.33% | 2.010% |
| 57 | 10.664 | 1434 | 1437 | 1438 | rVB3 | 354 | 238 | 0.04% | 0.005% |
| 58 | 10.713 | 1438 | 1445 | 1450 | rBV | 13673 | 25229 | 4.12% | 0.507% |
| 59 | 10.853 | 1465 | 1468 | 1469 | rBV2 | 326 | 347 | 0.06% | 0.007% |
| 60 | 10.933 | 1474 | 1481 | 1492 | rBV | 106197 | 189643 | 30.95% | 3.809% |
| 61 | 11.073 | 1498 | 1504 | 1513 | rVB | 15180 | 25999 | 4.24% | 0.522% |
| 62 | 11.183 | 1518 | 1522 | 1527 | rVB4 | 898 | 1399 | 0.23% | 0.028% |
| 63 | 11.402 | 1557 | 1558 | 1560 | rBV | 307 | 288 | 0.05% | 0.006% |
| 64 | 11.445 | 1560 | 1565 | 1571 | rVB | 9184 | 13439 | 2.19% | 0.270% |
| 65 | 11.634 | 1589 | 1596 | 1604 | rBV | 332119 | 556687 | 90.86% | 11.182% |
| 66 | 11.737 | 1609 | 1613 | 1618 | rVB3 | 409 | 726 | 0.12% | 0.015% |
| 67 | 11.798 | 1621 | 1623 | 1625 | rBV | 423 | 282 | 0.05% | 0.006% |
| 68 | 11.847 | 1627 | 1631 | 1635 | rVB2 | 701 | 1038 | 0.17% | 0.021% |
| 69 | 11.884 | 1635 | 1637 | 1639 | rBV3 | 211 | 196 | 0.03% | 0.004% |
| 70 | 11.981 | 1651 | 1653 | 1655 | rVB2 | 225 | 190 | 0.03% | 0.004% |
| 71 | 12.030 | 1659 | 1661 | 1664 | rBV2 | 201 | 229 | 0.04% | 0.005% |

LSC Area Percent Report

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Sample : J5182-07
Misc : 5.04G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** JLC56

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM092818S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.170 | 1682 | 1684 | 1688 | rVB2 | 475 | 560 | 0.09% | 0.011% |
| 73 | 12.286 | 1701 | 1703 | 1705 | rBV2 | 190 | 151 | 0.02% | 0.003% |
| 74 | 12.475 | 1729 | 1734 | 1736 | rBV3 | 422 | 622 | 0.10% | 0.012% |
| 75 | 12.548 | 1744 | 1746 | 1749 | rBV2 | 281 | 248 | 0.04% | 0.005% |
| 76 | 12.615 | 1751 | 1757 | 1763 | rVV | 25120 | 40826 | 6.66% | 0.820% |
| 77 | 12.701 | 1764 | 1771 | 1778 | rVV | 155117 | 261065 | 42.61% | 5.244% |
| 78 | 12.762 | 1779 | 1781 | 1788 | rVB2 | 498 | 598 | 0.10% | 0.012% |
| 79 | 12.859 | 1793 | 1797 | 1798 | rBV2 | 216 | 268 | 0.04% | 0.005% |
| 80 | 12.902 | 1800 | 1804 | 1806 | rVV4 | 997 | 1228 | 0.20% | 0.025% |
| 81 | 12.938 | 1806 | 1810 | 1816 | rVB2 | 5018 | 8112 | 1.32% | 0.163% |
| 82 | 13.030 | 1823 | 1825 | 1827 | rBV2 | 329 | 334 | 0.05% | 0.007% |
| 83 | 13.085 | 1831 | 1834 | 1839 | rBV4 | 554 | 740 | 0.12% | 0.015% |
| 84 | 13.195 | 1849 | 1852 | 1853 | rBV3 | 638 | 689 | 0.11% | 0.014% |
| 85 | 13.249 | 1857 | 1861 | 1862 | rVV | 417 | 479 | 0.08% | 0.010% |
| 86 | 13.268 | 1862 | 1864 | 1865 | rVV2 | 722 | 580 | 0.09% | 0.012% |
| 87 | 13.304 | 1866 | 1870 | 1875 | rVB2 | 4356 | 6849 | 1.12% | 0.138% |
| 88 | 13.408 | 1886 | 1887 | 1894 | rVB3 | 971 | 1247 | 0.20% | 0.025% |
| 89 | 13.481 | 1894 | 1899 | 1901 | rBV2 | 725 | 1199 | 0.20% | 0.024% |
| 90 | 13.566 | 1906 | 1913 | 1920 | rVV | 283976 | 464754 | 75.86% | 9.335% |
| 91 | 13.652 | 1924 | 1927 | 1932 | rVB3 | 4262 | 6154 | 1.00% | 0.124% |
| 92 | 13.761 | 1944 | 1945 | 1947 | rBV | 703 | 692 | 0.11% | 0.014% |
| 93 | 13.859 | 1954 | 1961 | 1968 | rBV | 272171 | 448577 | 73.22% | 9.010% |
| 94 | 14.079 | 1993 | 1997 | 2003 | rVB2 | 9649 | 15277 | 2.49% | 0.307% |
| 95 | 14.426 | 2050 | 2054 | 2059 | rBV3 | 8450 | 13406 | 2.19% | 0.269% |
| 96 | 15.414 | 2214 | 2216 | 2218 | rBV3 | 687 | 756 | 0.12% | 0.015% |
| 97 | 15.511 | 2228 | 2232 | 2237 | rVB2 | 4120 | 6701 | 1.09% | 0.135% |
| 98 | 15.859 | 2288 | 2289 | 2290 | rBV | 572 | 309 | 0.05% | 0.006% |
| 99 | 15.914 | 2296 | 2298 | 2299 | rVB | 656 | 300 | 0.05% | 0.006% |
| 100 | 16.462 | 2387 | 2388 | 2389 | rBV | 666 | 375 | 0.06% | 0.008% |

Sum of corrected areas: 4978387

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
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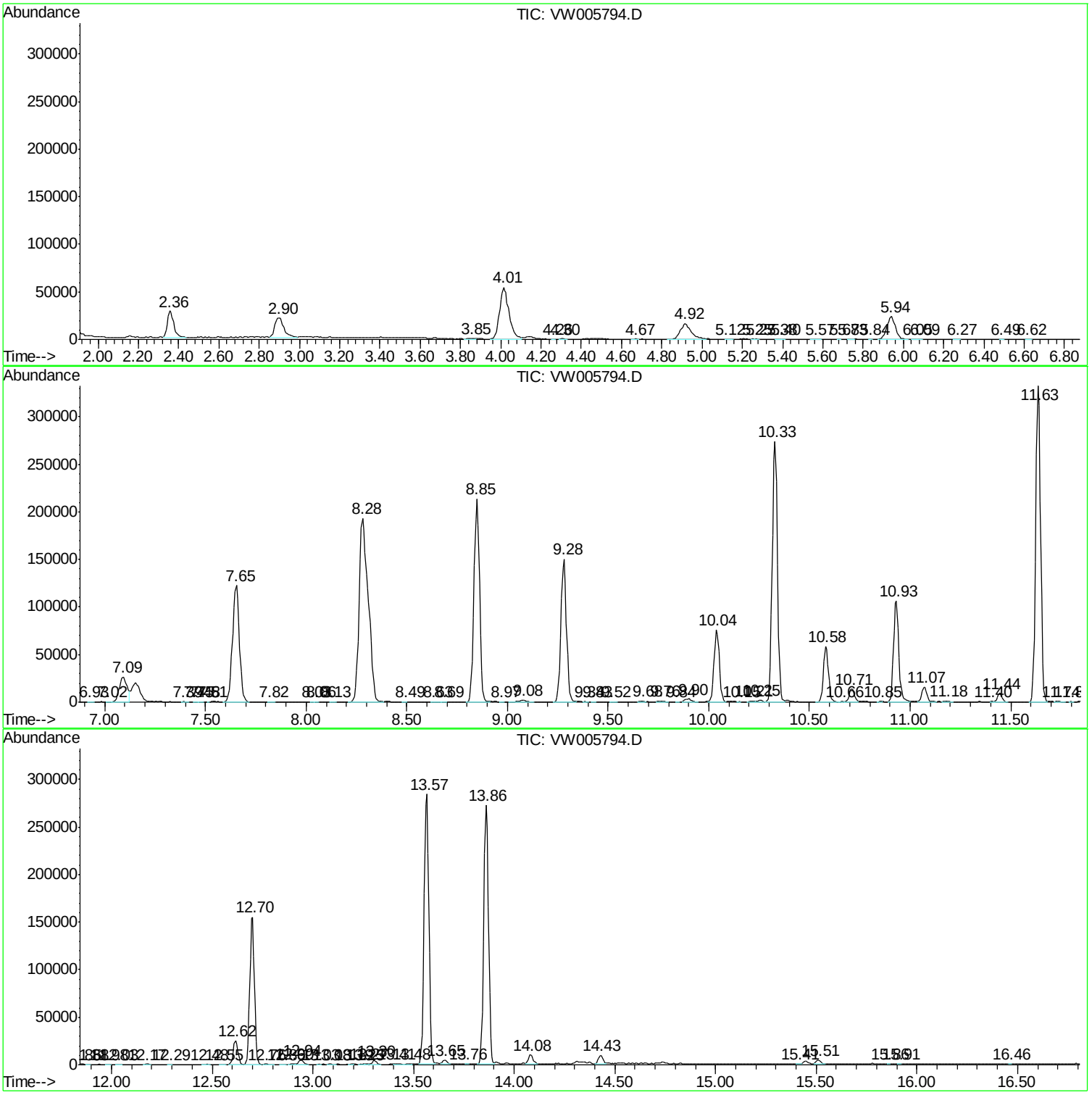
Sample : J5182-07
Misc : 5.04G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** JLC56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
Data File : VW005794.D
Acq On : 03 Oct 2018 00:18
Operator : SY/AP
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Misc : 5.04G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** JLC56

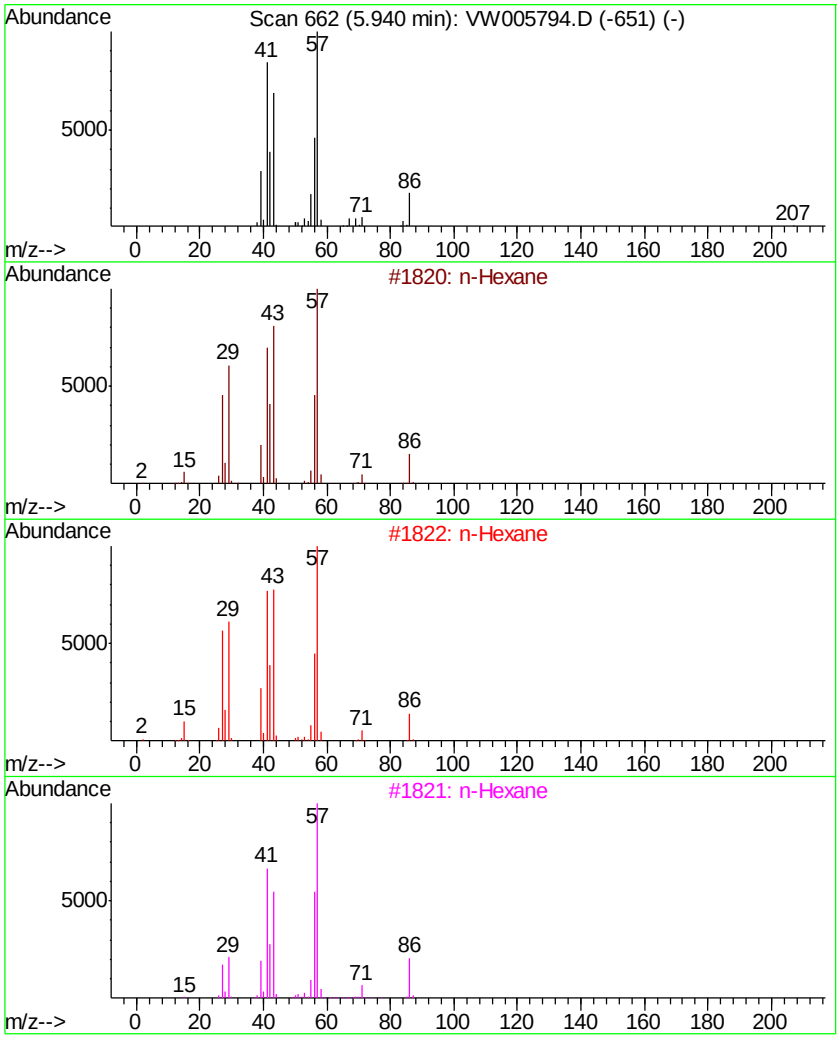
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

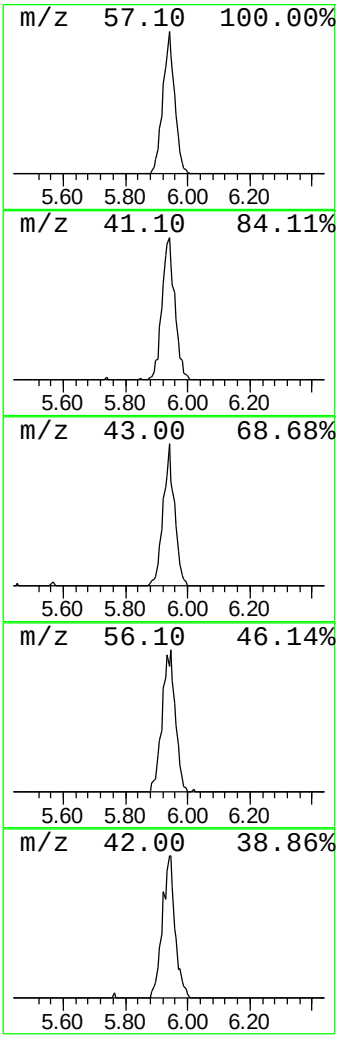
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.94 | 4.18 ug/L | 69448 | 1,4-Difluorobenzene | 8.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 86 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 86 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 58 |
| 4 | Cyanic acid, 2-methylpropyl ester | 99 | C5H9NO | 001768-25-8 | 43 |
| 5 | Cyclobutane | 56 | C4H8 | 000287-23-0 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
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**Instrument :** MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: Str... | 5.94 | 4.2 | ug/L | 69448 | 1 | 8.85 | 415416 | 25.0 |