LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
Data File : VW013874.D
Acq On : 31 Oct 2019 22:35
Operator : SY/VA
Sample : K5552-09
Misc : 6.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAQC2

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\SOM2WLM103119S.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 | 68 | 74 | 90 | rVB | 87223 | 186210 | 14.00% | 1.859% |
| 2 | 2.489 | 92 | 96 | 105 | rBV | 11250 | 26175 | 1.97% | 0.261% |
| 3 | 2.885 | 154 | 161 | 179 | rBV2 | 59852 | 157058 | 11.80% | 1.568% |
| 4 | 3.343 | 234 | 236 | 237 | rBV | 397 | 284 | 0.02% | 0.003% |
| 5 | 3.379 | 237 | 242 | 244 | rBV3 | 1489 | 2052 | 0.15% | 0.020% |
| 6 | 3.489 | 254 | 260 | 262 | rVB3 | 451 | 762 | 0.06% | 0.008% |
| 7 | 3.641 | 283 | 285 | 287 | rBV | 225 | 251 | 0.02% | 0.003% |
| 8 | 3.733 | 299 | 300 | 302 | rBV2 | 346 | 255 | 0.02% | 0.003% |
| 9 | 3.824 | 314 | 315 | 317 | rBV2 | 347 | 263 | 0.02% | 0.003% |
| 10 | 4.025 | 336 | 348 | 360 | rBV | 142802 | 476801 | 35.84% | 4.759% |
| 11 | 4.385 | 402 | 407 | 412 | rVV5 | 2293 | 4660 | 0.35% | 0.047% |
| 12 | 4.464 | 418 | 420 | 424 | rVB2 | 299 | 313 | 0.02% | 0.003% |
| 13 | 4.922 | 484 | 495 | 516 | rVB2 | 12222 | 49531 | 3.72% | 0.494% |
| 14 | 5.415 | 570 | 576 | 577 | rBV3 | 724 | 1196 | 0.09% | 0.012% |
| 15 | 5.525 | 592 | 594 | 596 | rVB | 372 | 286 | 0.02% | 0.003% |
| 16 | 5.556 | 596 | 599 | 601 | rBV2 | 207 | 290 | 0.02% | 0.003% |
| 17 | 5.769 | 627 | 634 | 635 | rBV3 | 794 | 1119 | 0.08% | 0.011% |
| 18 | 5.940 | 655 | 662 | 669 | rVB7 | 2299 | 6643 | 0.50% | 0.066% |
| 19 | 6.068 | 680 | 683 | 685 | rVB2 | 323 | 281 | 0.02% | 0.003% |
| 20 | 6.104 | 687 | 689 | 691 | rBV2 | 273 | 290 | 0.02% | 0.003% |
| 21 | 6.123 | 691 | 692 | 695 | rBV | 268 | 256 | 0.02% | 0.003% |
| 22 | 6.299 | 718 | 721 | 723 | rVB2 | 260 | 235 | 0.02% | 0.002% |
| 23 | 6.525 | 756 | 758 | 760 | rVB | 401 | 302 | 0.02% | 0.003% |
| 24 | 6.580 | 765 | 767 | 770 | rBV2 | 202 | 267 | 0.02% | 0.003% |
| 25 | 6.726 | 789 | 791 | 793 | rBV2 | 257 | 264 | 0.02% | 0.003% |
| 26 | 6.897 | 813 | 819 | 826 | rBV4 | 1559 | 4193 | 0.32% | 0.042% |
| 27 | 6.994 | 834 | 835 | 837 | rVB2 | 460 | 312 | 0.02% | 0.003% |
| 28 | 7.074 | 839 | 848 | 855 | rBV2 | 36858 | 102179 | 7.68% | 1.020% |
| 29 | 7.257 | 871 | 878 | 887 | rVB2 | 6595 | 17859 | 1.34% | 0.178% |
| 30 | 7.433 | 905 | 907 | 913 | rVB2 | 510 | 570 | 0.04% | 0.006% |
| 31 | 7.647 | 931 | 942 | 957 | rVB | 222114 | 532767 | 40.04% | 5.317% |
| 32 | 7.958 | 983 | 993 | 998 | rBV4 | 1824 | 4388 | 0.33% | 0.044% |
| 33 | 8.043 | 1005 | 1007 | 1009 | rVV2 | 452 | 469 | 0.04% | 0.005% |
| 34 | 8.073 | 1009 | 1012 | 1014 | rVB2 | 849 | 935 | 0.07% | 0.009% |

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Sample : K5552-09
Misc : 6.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAQC2

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\SOM2WLM103119S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.275 | 1033 | 1045 | 1063 | rBV2 | 444694 | 1330473 | 100.00% | 13.279% |
| 36 | 8.549 | 1084 | 1090 | 1098 | rVV4 | 1874 | 4430 | 0.33% | 0.044% |
| 37 | 8.622 | 1100 | 1102 | 1106 | rVV2 | 678 | 644 | 0.05% | 0.006% |
| 38 | 8.701 | 1108 | 1115 | 1124 | rVB6 | 1969 | 4689 | 0.35% | 0.047% |
| 39 | 8.842 | 1129 | 1138 | 1151 | rBV | 309919 | 603800 | 45.38% | 6.026% |
| 40 | 9.043 | 1165 | 1171 | 1173 | rBV6 | 2177 | 4326 | 0.33% | 0.043% |
| 41 | 9.092 | 1174 | 1179 | 1186 | rVB2 | 11853 | 23289 | 1.75% | 0.232% |
| 42 | 9.153 | 1188 | 1189 | 1191 | rBV | 368 | 263 | 0.02% | 0.003% |
| 43 | 9.274 | 1200 | 1209 | 1217 | rBV | 295038 | 608271 | 45.72% | 6.071% |
| 44 | 9.415 | 1226 | 1232 | 1238 | rVB2 | 3540 | 5847 | 0.44% | 0.058% |
| 45 | 9.604 | 1261 | 1263 | 1266 | rBV2 | 269 | 261 | 0.02% | 0.003% |
| 46 | 9.652 | 1266 | 1271 | 1272 | rBV3 | 945 | 1305 | 0.10% | 0.013% |
| 47 | 10.037 | 1327 | 1334 | 1345 | rBV | 161822 | 287994 | 21.65% | 2.874% |
| 48 | 10.152 | 1349 | 1353 | 1360 | rVB6 | 1466 | 3150 | 0.24% | 0.031% |
| 49 | 10.213 | 1360 | 1363 | 1365 | rVB | 568 | 446 | 0.03% | 0.004% |
| 50 | 10.323 | 1373 | 1381 | 1388 | rBV | 671740 | 1163447 | 87.45% | 11.612% |
| 51 | 10.506 | 1407 | 1411 | 1414 | rBV3 | 814 | 1089 | 0.08% | 0.011% |
| 52 | 10.579 | 1416 | 1423 | 1430 | rVV | 105289 | 180590 | 13.57% | 1.802% |
| 53 | 10.701 | 1437 | 1443 | 1451 | rVB2 | 16272 | 29539 | 2.22% | 0.295% |
| 54 | 10.860 | 1462 | 1469 | 1475 | rVV | 428249 | 741949 | 55.77% | 7.405% |
| 55 | 10.921 | 1475 | 1479 | 1496 | rVV | 154947 | 268378 | 20.17% | 2.679% |
| 56 | 11.073 | 1498 | 1504 | 1512 | rVV4 | 6829 | 13000 | 0.98% | 0.130% |
| 57 | 11.238 | 1528 | 1531 | 1533 | rVB2 | 569 | 564 | 0.04% | 0.006% |
| 58 | 11.274 | 1536 | 1537 | 1541 | rVB | 271 | 250 | 0.02% | 0.002% |
| 59 | 11.329 | 1543 | 1546 | 1547 | rBV | 243 | 273 | 0.02% | 0.003% |
| 60 | 11.420 | 1560 | 1561 | 1564 | rBV2 | 336 | 297 | 0.02% | 0.003% |
| 61 | 11.530 | 1577 | 1579 | 1582 | rVB | 254 | 266 | 0.02% | 0.003% |
| 62 | 11.573 | 1582 | 1586 | 1588 | rVB2 | 358 | 400 | 0.03% | 0.004% |
| 63 | 11.628 | 1588 | 1595 | 1606 | rBV | 433560 | 765551 | 57.54% | 7.641% |
| 64 | 11.731 | 1608 | 1612 | 1617 | rVB2 | 4307 | 6517 | 0.49% | 0.065% |
| 65 | 11.841 | 1624 | 1630 | 1634 | rBV2 | 4366 | 8041 | 0.60% | 0.080% |
| 66 | 11.951 | 1647 | 1648 | 1652 | rVB3 | 846 | 627 | 0.05% | 0.006% |
| 67 | 12.042 | 1661 | 1663 | 1664 | rVV | 396 | 261 | 0.02% | 0.003% |
| 68 | 12.109 | 1669 | 1674 | 1677 | rVB2 | 205 | 297 | 0.02% | 0.003% |
| 69 | 12.170 | 1677 | 1684 | 1690 | rBV6 | 4462 | 9161 | 0.69% | 0.091% |
| 70 | 12.250 | 1696 | 1697 | 1699 | rVB2 | 417 | 273 | 0.02% | 0.003% |
| 71 | 12.280 | 1699 | 1702 | 1704 | rBV2 | 286 | 414 | 0.03% | 0.004% |

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Sample : K5552-09
Misc : 6.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAQC2

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\SOM2WLM103119S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.341 | 1707 | 1712 | 1716 | rBV3 | 2910 | 4239 | 0.32% | 0.042% |
| 73 | 12.402 | 1719 | 1722 | 1724 | rBV2 | 246 | 238 | 0.02% | 0.002% |
| 74 | 12.463 | 1727 | 1732 | 1736 | rBV2 | 3267 | 4690 | 0.35% | 0.047% |
| 75 | 12.609 | 1749 | 1756 | 1763 | rVB | 82031 | 132858 | 9.99% | 1.326% |
| 76 | 12.695 | 1763 | 1770 | 1777 | rBV | 227495 | 379621 | 28.53% | 3.789% |
| 77 | 12.762 | 1777 | 1781 | 1786 | rVB3 | 1298 | 1649 | 0.12% | 0.016% |
| 78 | 12.853 | 1795 | 1796 | 1800 | rBV3 | 383 | 486 | 0.04% | 0.005% |
| 79 | 12.890 | 1800 | 1802 | 1803 | rVV2 | 402 | 372 | 0.03% | 0.004% |
| 80 | 12.938 | 1805 | 1810 | 1815 | rVV2 | 3783 | 6348 | 0.48% | 0.063% |
| 81 | 13.006 | 1819 | 1821 | 1823 | rBV2 | 238 | 242 | 0.02% | 0.002% |
| 82 | 13.048 | 1826 | 1828 | 1831 | rVB3 | 592 | 724 | 0.05% | 0.007% |
| 83 | 13.079 | 1831 | 1833 | 1836 | rBV | 377 | 468 | 0.04% | 0.005% |
| 84 | 13.249 | 1856 | 1861 | 1863 | rBV4 | 3473 | 5381 | 0.40% | 0.054% |
| 85 | 13.396 | 1880 | 1885 | 1890 | rVB2 | 4490 | 6855 | 0.52% | 0.068% |
| 86 | 13.432 | 1890 | 1891 | 1894 | rBV | 359 | 301 | 0.02% | 0.003% |
| 87 | 13.493 | 1894 | 1901 | 1905 | rBV6 | 2814 | 5407 | 0.41% | 0.054% |
| 88 | 13.560 | 1905 | 1912 | 1920 | rVV | 488360 | 804666 | 60.48% | 8.031% |
| 89 | 13.652 | 1922 | 1927 | 1933 | rVB3 | 8481 | 14557 | 1.09% | 0.145% |
| 90 | 13.755 | 1943 | 1944 | 1946 | rBV2 | 270 | 233 | 0.02% | 0.002% |
| 91 | 13.853 | 1952 | 1960 | 1967 | rBV | 543013 | 887768 | 66.73% | 8.861% |
| 92 | 14.072 | 1988 | 1996 | 2002 | rVB | 47756 | 80046 | 6.02% | 0.799% |
| 93 | 14.121 | 2002 | 2004 | 2005 | rBV2 | 433 | 294 | 0.02% | 0.003% |
| 94 | 14.243 | 2022 | 2024 | 2027 | rVB2 | 392 | 288 | 0.02% | 0.003% |
| 95 | 14.328 | 2034 | 2038 | 2044 | rVB6 | 4063 | 6376 | 0.48% | 0.064% |
| 96 | 14.530 | 2068 | 2071 | 2075 | rVB6 | 1032 | 1248 | 0.09% | 0.012% |
| 97 | 14.627 | 2083 | 2087 | 2092 | rVB4 | 3402 | 4491 | 0.34% | 0.045% |
| 98 | 15.133 | 2165 | 2170 | 2175 | rBV4 | 2071 | 3638 | 0.27% | 0.036% |
| 99 | 15.493 | 2225 | 2229 | 2235 | rVB2 | 7323 | 12386 | 0.93% | 0.124% |
| 100 | 15.554 | 2235 | 2239 | 2246 | rBV7 | 1726 | 3294 | 0.25% | 0.033% |

Sum of corrected areas: 10019252

LSC Report - Integrated Chromatogram

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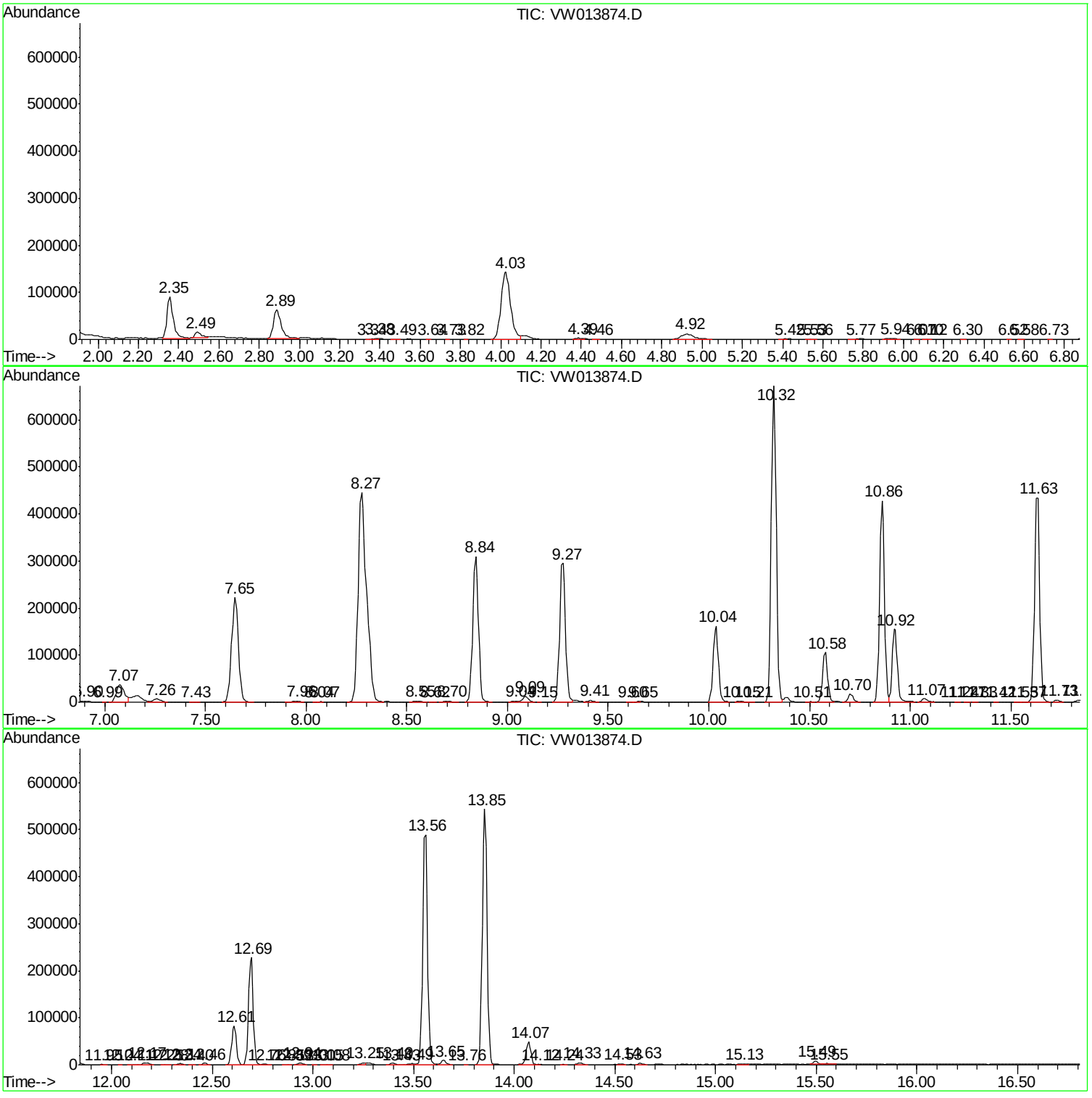
Misc : 6.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAQC2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
Data File : VW013874.D
Acq On : 31 Oct 2019 22:35
Operator : SY/VA
Sample : K5552-09
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ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAQC2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis

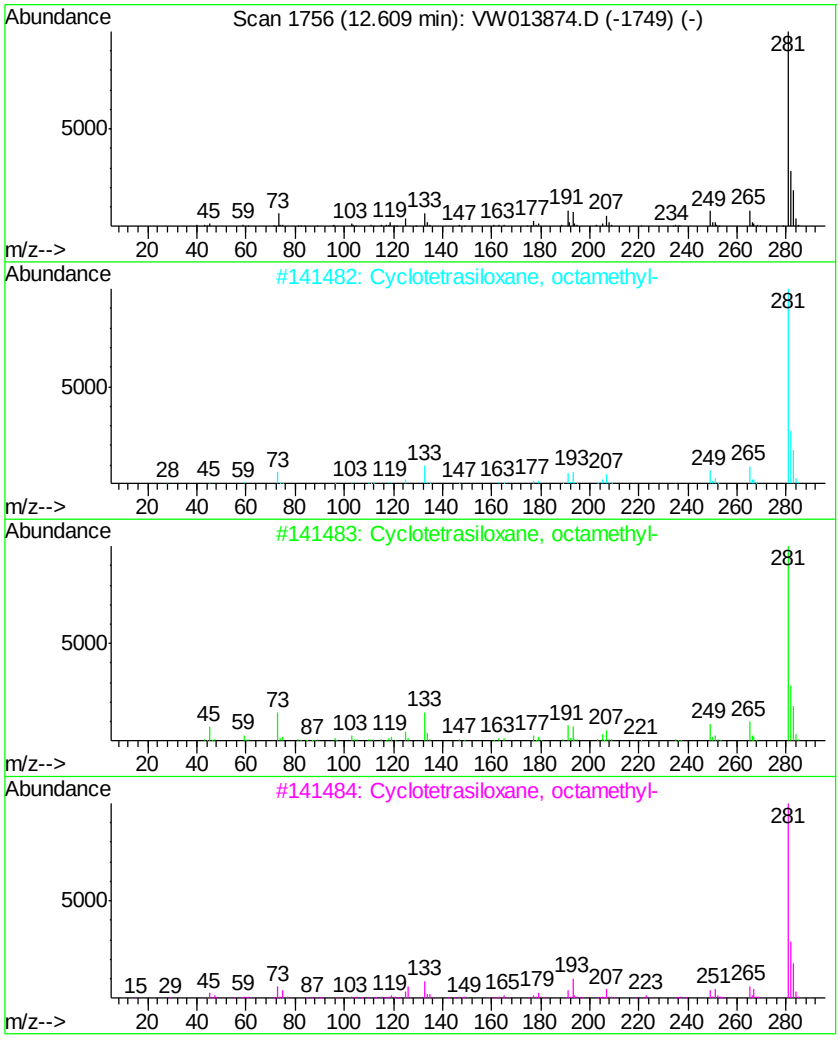
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

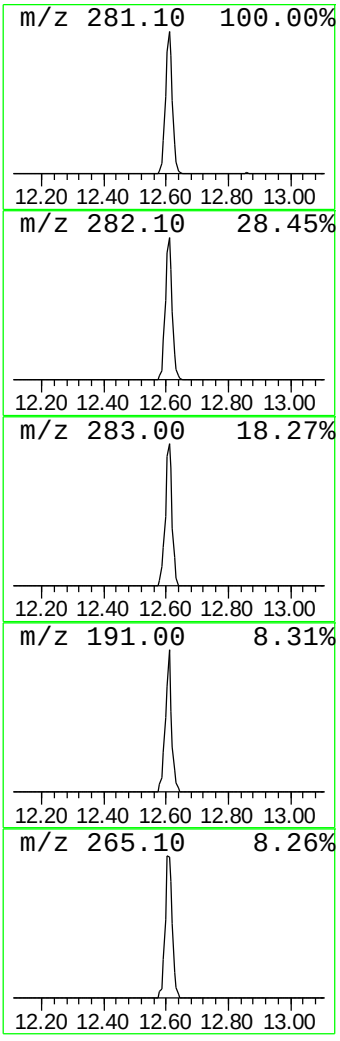
**********

Peak Number 2 Cyclotetrasiloxane, octamet... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.61 | 4.13 ug/L | 132858 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 90 |
| 2 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 90 |
| 3 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 72 |
| 4 | 7H-Dibenzo[b,g]carbazole, 7-methyl- | 281 | C21H15N | 003557-49-1 | 64 |
| 5 | 5H-Naphtho[2,3-c]carbazole, 5-me... | 281 | C21H15N | 100025-44-3 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.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 |
| Cyclotetrasiloxan... | 12.61 | 4.1 | ug/L | 132858 | 3 | 13.56 | 804666 | 25.0 |