LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
Data File : VV015226.D
Acq On : 28 Mar 2020 05:33
Operator : SY/MD
Sample : L2003-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0EK3

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_V\METHOD\SOMVLM032720WMA.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 | 1.315 | 64 | 70 | 80 | rVB | 230097 | 237015 | 4.04% | 1.002% |
| 2 | 1.579 | 146 | 152 | 167 | rVB | 212208 | 251298 | 4.29% | 1.062% |
| 3 | 2.119 | 314 | 320 | 330 | rVB | 452573 | 621383 | 10.60% | 2.626% |
| 4 | 2.862 | 547 | 551 | 553 | rBV5 | 3236 | 2094 | 0.04% | 0.009% |
| 5 | 2.936 | 570 | 574 | 577 | rBV5 | 2528 | 2197 | 0.04% | 0.009% |
| 6 | 2.971 | 583 | 585 | 587 | rBV3 | 1361 | 548 | 0.01% | 0.002% |
| 7 | 3.225 | 660 | 664 | 668 | rBV6 | 2464 | 1994 | 0.03% | 0.008% |
| 8 | 3.290 | 678 | 684 | 687 | rBV7 | 3175 | 2737 | 0.05% | 0.012% |
| 9 | 3.325 | 692 | 695 | 699 | rBV4 | 2484 | 1892 | 0.03% | 0.008% |
| 10 | 3.354 | 701 | 704 | 707 | rBV5 | 2021 | 1906 | 0.03% | 0.008% |
| 11 | 3.412 | 719 | 722 | 727 | rVB7 | 1935 | 1523 | 0.03% | 0.006% |
| 12 | 3.611 | 781 | 784 | 787 | rBV4 | 1745 | 1393 | 0.02% | 0.006% |
| 13 | 3.721 | 816 | 818 | 819 | rBV3 | 1550 | 672 | 0.01% | 0.003% |
| 14 | 3.807 | 841 | 845 | 846 | rBV3 | 1104 | 782 | 0.01% | 0.003% |
| 15 | 3.875 | 864 | 866 | 869 | rVB4 | 1424 | 736 | 0.01% | 0.003% |
| 16 | 3.942 | 875 | 887 | 928 | rBV2 | 94166 | 522587 | 8.91% | 2.208% |
| 17 | 4.376 | 1009 | 1022 | 1046 | rVB | 294589 | 718493 | 12.25% | 3.036% |
| 18 | 4.685 | 1114 | 1118 | 1119 | rBV4 | 1800 | 1221 | 0.02% | 0.005% |
| 19 | 4.830 | 1158 | 1163 | 1164 | rBV5 | 2124 | 1613 | 0.03% | 0.007% |
| 20 | 4.907 | 1184 | 1187 | 1191 | rBV6 | 1765 | 1579 | 0.03% | 0.007% |
| 21 | 4.930 | 1191 | 1194 | 1197 | rBV5 | 1500 | 1137 | 0.02% | 0.005% |
| 22 | 4.991 | 1211 | 1213 | 1215 | rBV3 | 1390 | 546 | 0.01% | 0.002% |
| 23 | 5.071 | 1222 | 1238 | 1253 | rBV2 | 677863 | 1728191 | 29.47% | 7.303% |
| 24 | 5.232 | 1283 | 1288 | 1289 | rBV4 | 3259 | 2898 | 0.05% | 0.012% |
| 25 | 5.576 | 1393 | 1395 | 1400 | rBV5 | 2536 | 2144 | 0.04% | 0.009% |
| 26 | 5.640 | 1402 | 1415 | 1434 | rBV | 794996 | 1576086 | 26.88% | 6.660% |
| 27 | 5.862 | 1481 | 1484 | 1487 | rBV5 | 1685 | 1138 | 0.02% | 0.005% |
| 28 | 5.878 | 1487 | 1489 | 1493 | rVB4 | 1878 | 885 | 0.02% | 0.004% |
| 29 | 6.097 | 1545 | 1557 | 1576 | rVB | 394900 | 776703 | 13.25% | 3.282% |
| 30 | 6.389 | 1645 | 1648 | 1651 | rVB5 | 2208 | 1448 | 0.02% | 0.006% |
| 31 | 6.405 | 1651 | 1653 | 1654 | rBV2 | 1488 | 638 | 0.01% | 0.003% |
| 32 | 6.482 | 1673 | 1677 | 1679 | rBV3 | 2296 | 1848 | 0.03% | 0.008% |
| 33 | 6.637 | 1719 | 1725 | 1727 | rBV7 | 3273 | 3488 | 0.06% | 0.015% |
| 34 | 6.788 | 1770 | 1772 | 1774 | rBV3 | 1502 | 856 | 0.01% | 0.004% |

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Sample : L2003-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0EK3

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_V\METHOD\SOMVLM032720WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.836 | 1784 | 1787 | 1791 | rBV6 | 2222 | 1507 | 0.03% | 0.006% |
| 36 | 6.859 | 1791 | 1794 | 1798 | rBV5 | 1945 | 1563 | 0.03% | 0.007% |
| 37 | 6.913 | 1809 | 1811 | 1814 | rVB3 | 984 | 581 | 0.01% | 0.002% |
| 38 | 6.929 | 1814 | 1816 | 1819 | rVB4 | 1590 | 843 | 0.01% | 0.004% |
| 39 | 6.955 | 1819 | 1824 | 1828 | rBV7 | 2803 | 2844 | 0.05% | 0.012% |
| 40 | 7.010 | 1830 | 1841 | 1854 | rBV | 233030 | 415253 | 7.08% | 1.755% |
| 41 | 7.264 | 1918 | 1920 | 1924 | rBV4 | 1601 | 794 | 0.01% | 0.003% |
| 42 | 7.338 | 1931 | 1943 | 1963 | rBV | 799244 | 1380867 | 23.55% | 5.835% |
| 43 | 7.515 | 1996 | 1998 | 2003 | rVB6 | 2390 | 1844 | 0.03% | 0.008% |
| 44 | 7.572 | 2014 | 2016 | 2017 | rBV2 | 1110 | 560 | 0.01% | 0.002% |
| 45 | 7.643 | 2028 | 2038 | 2052 | rBV | 167894 | 284014 | 4.84% | 1.200% |
| 46 | 7.820 | 2088 | 2093 | 2096 | rBV6 | 1854 | 1725 | 0.03% | 0.007% |
| 47 | 7.929 | 2126 | 2127 | 2129 | rBV2 | 1496 | 656 | 0.01% | 0.003% |
| 48 | 7.965 | 2129 | 2138 | 2141 | rVV2 | 4279 | 6008 | 0.10% | 0.025% |
| 49 | 7.987 | 2141 | 2145 | 2149 | rVV6 | 2280 | 2263 | 0.04% | 0.010% |
| 50 | 8.055 | 2159 | 2166 | 2168 | rBV7 | 2300 | 2460 | 0.04% | 0.010% |
| 51 | 8.116 | 2175 | 2185 | 2217 | rBV2 | 475449 | 980150 | 16.71% | 4.142% |
| 52 | 8.527 | 2310 | 2313 | 2315 | rBV3 | 2240 | 1319 | 0.02% | 0.006% |
| 53 | 8.566 | 2323 | 2325 | 2328 | rBV4 | 1588 | 1021 | 0.02% | 0.004% |
| 54 | 8.640 | 2346 | 2348 | 2352 | rVB4 | 2348 | 1768 | 0.03% | 0.007% |
| 55 | 8.662 | 2352 | 2355 | 2359 | rBV6 | 1843 | 1909 | 0.03% | 0.008% |
| 56 | 8.875 | 2407 | 2421 | 2425 | rBV | 1261321 | 1988581 | 33.91% | 8.403% |
| 57 | 9.145 | 2503 | 2505 | 2507 | rBV3 | 2109 | 1020 | 0.02% | 0.004% |
| 58 | 9.161 | 2507 | 2510 | 2512 | rBV3 | 2634 | 1646 | 0.03% | 0.007% |
| 59 | 9.235 | 2530 | 2533 | 2535 | rBV3 | 2464 | 1622 | 0.03% | 0.007% |
| 60 | 9.373 | 2574 | 2576 | 2578 | rBV3 | 1631 | 570 | 0.01% | 0.002% |
| 61 | 9.412 | 2583 | 2588 | 2590 | rBV5 | 2700 | 2179 | 0.04% | 0.009% |
| 62 | 9.682 | 2670 | 2672 | 2673 | rBV3 | 1569 | 653 | 0.01% | 0.003% |
| 63 | 9.714 | 2680 | 2682 | 2684 | rVB3 | 1148 | 467 | 0.01% | 0.002% |
| 64 | 9.752 | 2692 | 2694 | 2698 | rVB4 | 2198 | 1398 | 0.02% | 0.006% |
| 65 | 9.778 | 2698 | 2702 | 2703 | rBV3 | 1951 | 1465 | 0.02% | 0.006% |
| 66 | 9.849 | 2720 | 2724 | 2727 | rBV5 | 1831 | 1740 | 0.03% | 0.007% |
| 67 | 9.862 | 2727 | 2728 | 2731 | rVB3 | 1593 | 591 | 0.01% | 0.002% |
| 68 | 9.945 | 2752 | 2754 | 2756 | rBV3 | 1609 | 865 | 0.01% | 0.004% |
| 69 | 9.987 | 2765 | 2767 | 2771 | rBV4 | 1420 | 718 | 0.01% | 0.003% |
| 70 | 10.010 | 2771 | 2774 | 2781 | rVB7 | 3150 | 2870 | 0.05% | 0.012% |
| 71 | 10.051 | 2781 | 2787 | 2792 | rBV7 | 2386 | 3779 | 0.06% | 0.016% |

LSC Area Percent Report

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Operator : SY/MD
Sample : L2003-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0EK3

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_V\METHOD\SOMVLM032720WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.077 | 2792 | 2795 | 2796 | rBV3 | 1679 | 980 | 0.02% | 0.004% |
| 73 | 10.090 | 2796 | 2799 | 2802 | rBV5 | 1330 | 898 | 0.02% | 0.004% |
| 74 | 10.238 | 2834 | 2845 | 2859 | rBV | 584857 | 916833 | 15.63% | 3.874% |
| 75 | 10.376 | 2884 | 2888 | 2889 | rBV4 | 1800 | 1460 | 0.02% | 0.006% |
| 76 | 10.605 | 2956 | 2959 | 2962 | rBV4 | 1152 | 889 | 0.02% | 0.004% |
| 77 | 10.627 | 2962 | 2966 | 2969 | rBV6 | 2450 | 2028 | 0.03% | 0.009% |
| 78 | 10.691 | 2983 | 2986 | 2989 | rVB5 | 1460 | 1059 | 0.02% | 0.004% |
| 79 | 10.733 | 2996 | 2999 | 3004 | rBV6 | 1376 | 1176 | 0.02% | 0.005% |
| 80 | 11.206 | 3135 | 3146 | 3156 | rBV | 208298 | 328174 | 5.60% | 1.387% |
| 81 | 11.273 | 3157 | 3167 | 3169 | rBV | 1334740 | 1699198 | 28.98% | 7.180% |
| 82 | 11.666 | 3273 | 3289 | 3308 | rBV2 | 3110528 | 5864024 | 100.00% | 24.780% |
| 83 | 12.093 | 3420 | 3422 | 3424 | rBV3 | 1728 | 751 | 0.01% | 0.003% |
| 84 | 12.264 | 3473 | 3475 | 3477 | rBV3 | 1697 | 924 | 0.02% | 0.004% |
| 85 | 12.312 | 3489 | 3490 | 3491 | rBV | 1527 | 547 | 0.01% | 0.002% |
| 86 | 12.469 | 3536 | 3539 | 3542 | rBV4 | 1517 | 1174 | 0.02% | 0.005% |
| 87 | 12.537 | 3556 | 3560 | 3562 | rBV4 | 2223 | 1636 | 0.03% | 0.007% |
| 88 | 12.604 | 3575 | 3581 | 3582 | rBV6 | 2296 | 2496 | 0.04% | 0.011% |
| 89 | 12.662 | 3589 | 3599 | 3612 | rBV2 | 143592 | 229023 | 3.91% | 0.968% |
| 90 | 12.913 | 3672 | 3677 | 3679 | rBV6 | 3416 | 3111 | 0.05% | 0.013% |
| 91 | 13.116 | 3735 | 3740 | 3748 | rBV9 | 7325 | 11556 | 0.20% | 0.049% |
| 92 | 13.286 | 3782 | 3793 | 3814 | rVB | 1069329 | 1651140 | 28.16% | 6.977% |
| 93 | 13.530 | 3862 | 3869 | 3870 | rBV7 | 7441 | 7155 | 0.12% | 0.030% |
| 94 | 13.768 | 3932 | 3943 | 3957 | rVB | 622204 | 954176 | 16.27% | 4.032% |
| 95 | 13.993 | 4010 | 4013 | 4018 | rBV6 | 2622 | 2432 | 0.04% | 0.010% |
| 96 | 14.067 | 4030 | 4036 | 4038 | rBV6 | 2661 | 2674 | 0.05% | 0.011% |
| 97 | 14.174 | 4059 | 4069 | 4081 | rBV2 | 53260 | 96105 | 1.64% | 0.406% |
| 98 | 14.437 | 4148 | 4151 | 4152 | rBV3 | 1397 | 874 | 0.01% | 0.004% |
| 99 | 14.981 | 4318 | 4320 | 4322 | rBV3 | 2262 | 1340 | 0.02% | 0.006% |
| 100 | 15.424 | 4449 | 4458 | 4471 | rVB2 | 196004 | 309120 | 5.27% | 1.306% |

Sum of corrected areas: 23664735

LSC Report - Integrated Chromatogram

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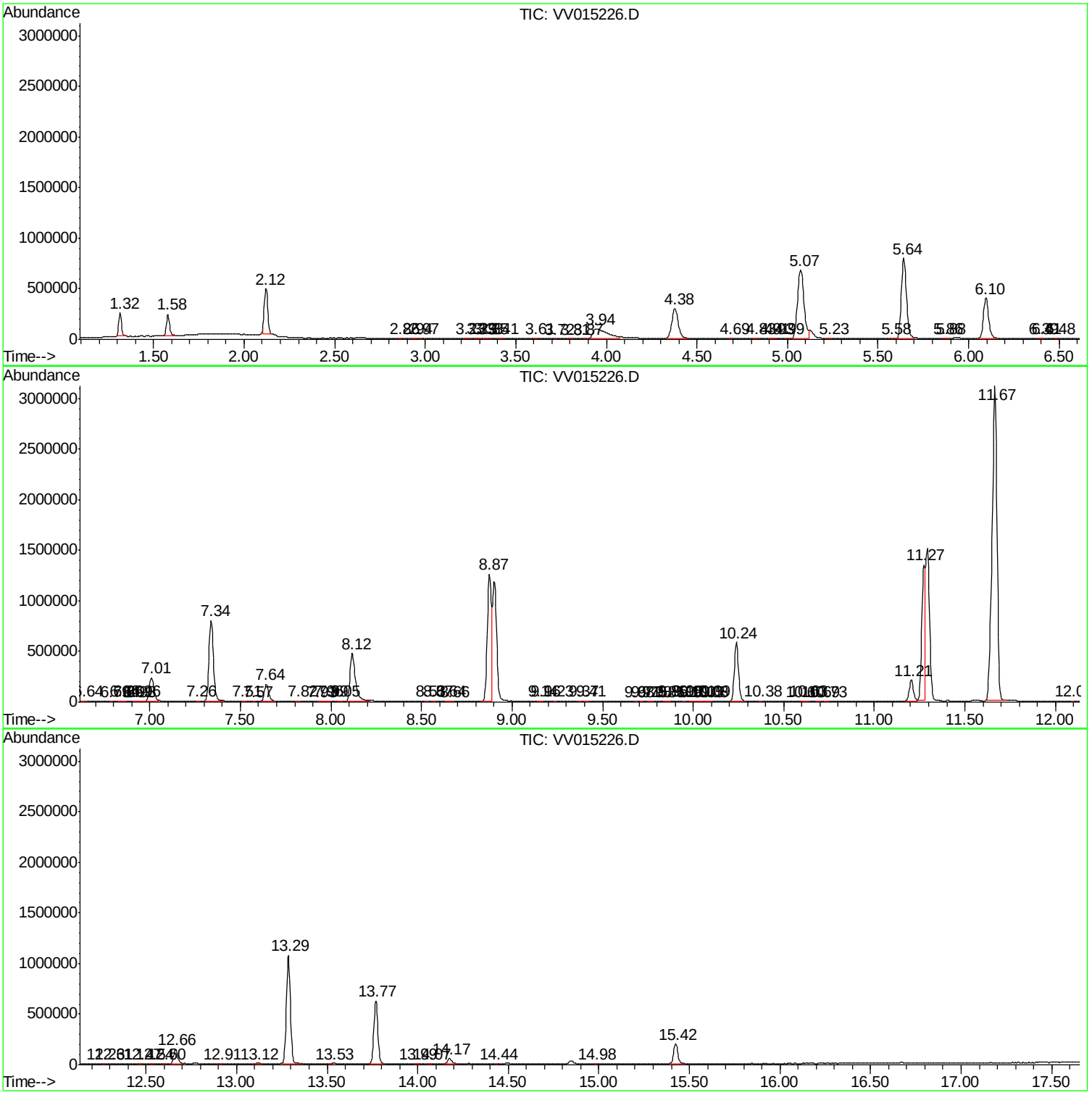
Sample : L2003-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0EK3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032720\
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Acq On : 28 Mar 2020 05:33
Operator : SY/MD
Sample : L2003-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0EK3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
Quant Title : VOC Analysis

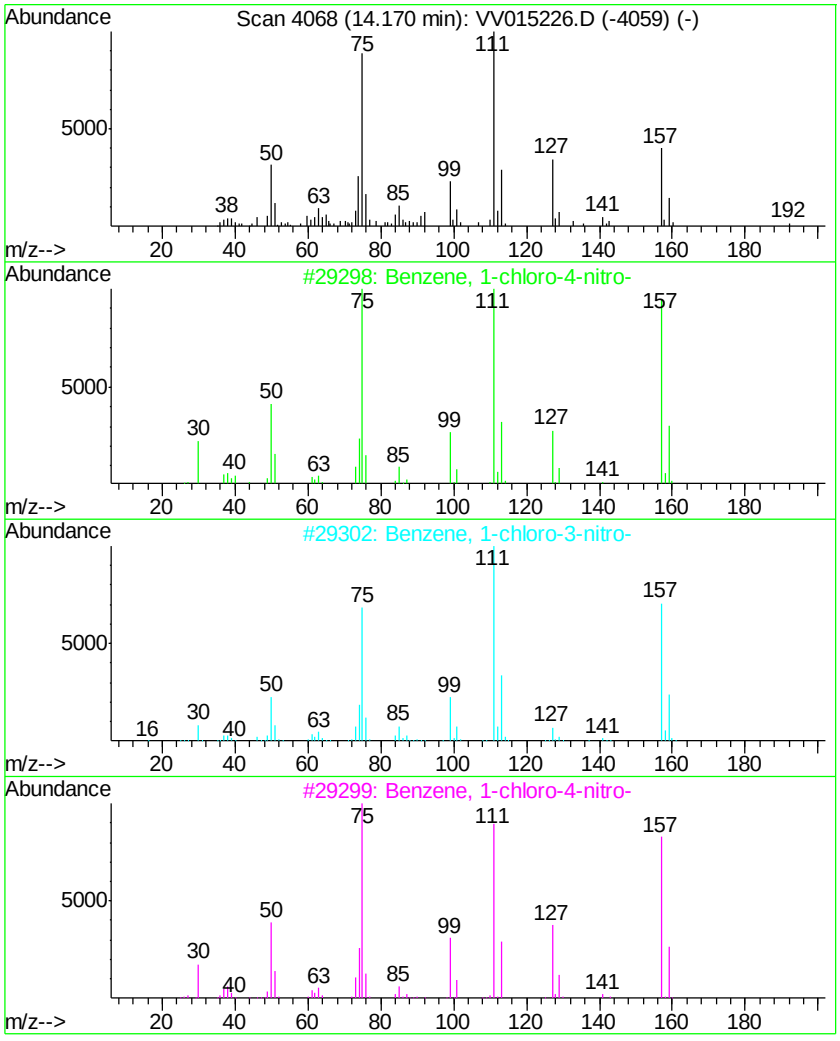
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

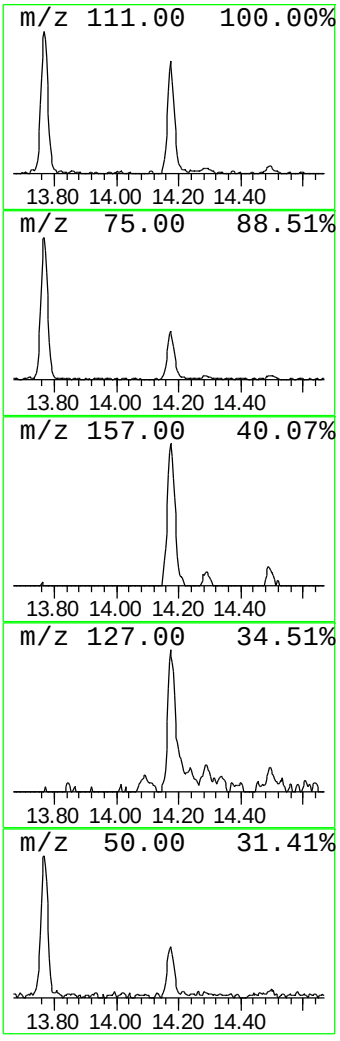
**********

Peak Number 3 Benzene, 1-chloro-4-nitro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.17 | 2.83 ug/L | 96105 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 94 |
| 2 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 91 |
| 3 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 90 |
| 4 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 83 |
| 5 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032720\
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ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0EK3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.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 |
| Benzene, 1-chloro... | 14.17 | 2.8 | ug/L | 96105 | 3 | 11.27 | 1699200 | 50.0 |