# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
Data File : VU030360.D
Acq On : 24 Mar 2019 11:06
Operator : JC/SP
Sample : K2083-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1A3

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_U\METHOD\SOMULM032319WMA.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 | 1.183 | 23 | 29 | 40 | rVB | 38455 | 36876 | 1.41% | 0.232% |
| 2 | 1.399 | 88 | 96 | 106 | rBV | 229346 | 240310 | 9.16% | 1.513% |
| 3 | 1.672 | 173 | 181 | 200 | rVB | 178147 | 231530 | 8.82% | 1.458% |
| 4 | 2.270 | 356 | 367 | 379 | rBV | 363427 | 559119 | 21.31% | 3.520% |
| 5 | 2.376 | 398 | 400 | 405 | rVB3 | 698 | 586 | 0.02% | 0.004% |
| 6 | 2.447 | 412 | 422 | 439 | rBV | 51274 | 90393 | 3.45% | 0.569% |
| 7 | 2.608 | 469 | 472 | 477 | rVB2 | 1151 | 925 | 0.04% | 0.006% |
| 8 | 2.637 | 477 | 481 | 484 | rBV4 | 996 | 841 | 0.03% | 0.005% |
| 9 | 2.672 | 489 | 492 | 495 | rBV | 686 | 593 | 0.02% | 0.004% |
| 10 | 2.691 | 495 | 498 | 500 | rBV3 | 767 | 489 | 0.02% | 0.003% |
| 11 | 2.788 | 524 | 528 | 532 | rBV3 | 936 | 823 | 0.03% | 0.005% |
| 12 | 2.833 | 532 | 542 | 550 | rVV4 | 2093 | 4055 | 0.15% | 0.026% |
| 13 | 2.981 | 580 | 588 | 601 | rVB6 | 6006 | 12172 | 0.46% | 0.077% |
| 14 | 3.090 | 618 | 622 | 624 | rBV | 566 | 534 | 0.02% | 0.003% |
| 15 | 3.325 | 692 | 695 | 700 | rVB2 | 853 | 703 | 0.03% | 0.004% |
| 16 | 3.360 | 700 | 706 | 707 | rBV | 824 | 862 | 0.03% | 0.005% |
| 17 | 3.415 | 717 | 723 | 729 | rBV | 652 | 694 | 0.03% | 0.004% |
| 18 | 3.498 | 745 | 749 | 752 | rBV2 | 523 | 489 | 0.02% | 0.003% |
| 19 | 3.572 | 767 | 772 | 775 | rBV2 | 999 | 916 | 0.03% | 0.006% |
| 20 | 3.624 | 783 | 788 | 790 | rBV | 817 | 633 | 0.02% | 0.004% |
| 21 | 3.675 | 801 | 804 | 809 | rVB | 771 | 535 | 0.02% | 0.003% |
| 22 | 3.730 | 817 | 821 | 827 | rVV | 713 | 783 | 0.03% | 0.005% |
| 23 | 3.791 | 838 | 840 | 846 | rVB | 652 | 595 | 0.02% | 0.004% |
| 24 | 3.826 | 847 | 851 | 854 | rVB2 | 866 | 614 | 0.02% | 0.004% |
| 25 | 3.849 | 854 | 858 | 867 | rBV2 | 1124 | 1427 | 0.05% | 0.009% |
| 26 | 4.083 | 925 | 931 | 936 | rVB3 | 729 | 840 | 0.03% | 0.005% |
| 27 | 4.222 | 947 | 974 | 1004 | rBV2 | 891840 | 2623621 | 100.00% | 16.519% |
| 28 | 4.585 | 1084 | 1087 | 1088 | rBV | 1037 | 527 | 0.02% | 0.003% |
| 29 | 4.643 | 1089 | 1105 | 1133 | rVV | 273914 | 652451 | 24.87% | 4.108% |
| 30 | 4.903 | 1183 | 1186 | 1192 | rVB6 | 1218 | 1087 | 0.04% | 0.007% |
| 31 | 5.009 | 1217 | 1219 | 1221 | rBV2 | 827 | 496 | 0.02% | 0.003% |
| 32 | 5.128 | 1251 | 1256 | 1257 | rBV | 912 | 635 | 0.02% | 0.004% |
| 33 | 5.337 | 1295 | 1321 | 1362 | rBV2 | 581026 | 1735174 | 66.14% | 10.925% |
| 34 | 5.614 | 1404 | 1407 | 1413 | rVB4 | 997 | 793 | 0.03% | 0.005% |

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1A3

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_U\METHOD\SOMULM032319WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.675 | 1418 | 1426 | 1430 | rBV4 | 1109 | 1589 | 0.06% | 0.010% |
| 36 | 5.733 | 1440 | 1444 | 1446 | rBV2 | 671 | 485 | 0.02% | 0.003% |
| 37 | 5.800 | 1457 | 1465 | 1467 | rBV4 | 797 | 1124 | 0.04% | 0.007% |
| 38 | 5.884 | 1477 | 1491 | 1525 | rBV | 523078 | 1064247 | 40.56% | 6.701% |
| 39 | 6.183 | 1571 | 1584 | 1615 | rBV2 | 251578 | 493904 | 18.83% | 3.110% |
| 40 | 6.328 | 1615 | 1629 | 1652 | rBV | 386863 | 788361 | 30.05% | 4.964% |
| 41 | 6.508 | 1682 | 1685 | 1690 | rVB5 | 935 | 880 | 0.03% | 0.006% |
| 42 | 6.701 | 1741 | 1745 | 1750 | rBV2 | 680 | 718 | 0.03% | 0.005% |
| 43 | 6.726 | 1750 | 1753 | 1759 | rVV2 | 609 | 653 | 0.02% | 0.004% |
| 44 | 6.833 | 1783 | 1786 | 1792 | rVB3 | 989 | 1010 | 0.04% | 0.006% |
| 45 | 6.897 | 1802 | 1806 | 1810 | rVB5 | 912 | 641 | 0.02% | 0.004% |
| 46 | 6.951 | 1818 | 1823 | 1827 | rBV | 731 | 788 | 0.03% | 0.005% |
| 47 | 7.115 | 1871 | 1874 | 1878 | rBV | 990 | 692 | 0.03% | 0.004% |
| 48 | 7.225 | 1895 | 1908 | 1931 | rBV | 217846 | 399747 | 15.24% | 2.517% |
| 49 | 7.392 | 1954 | 1960 | 1970 | rVB7 | 2773 | 4192 | 0.16% | 0.026% |
| 50 | 7.562 | 1998 | 2013 | 2048 | rBV | 727596 | 1325689 | 50.53% | 8.347% |
| 51 | 7.771 | 2075 | 2078 | 2081 | rVB | 879 | 564 | 0.02% | 0.004% |
| 52 | 7.849 | 2091 | 2102 | 2120 | rBV | 147873 | 262025 | 9.99% | 1.650% |
| 53 | 7.996 | 2144 | 2148 | 2151 | rBV2 | 835 | 527 | 0.02% | 0.003% |
| 54 | 8.054 | 2162 | 2166 | 2169 | rBV2 | 739 | 658 | 0.03% | 0.004% |
| 55 | 8.119 | 2181 | 2186 | 2190 | rBV3 | 687 | 776 | 0.03% | 0.005% |
| 56 | 8.180 | 2195 | 2205 | 2218 | rVB4 | 3120 | 6236 | 0.24% | 0.039% |
| 57 | 8.308 | 2233 | 2245 | 2278 | rBV | 570925 | 1035200 | 39.46% | 6.518% |
| 58 | 8.533 | 2311 | 2315 | 2316 | rBV | 1185 | 902 | 0.03% | 0.006% |
| 59 | 8.640 | 2345 | 2348 | 2353 | rVB3 | 736 | 703 | 0.03% | 0.004% |
| 60 | 8.887 | 2422 | 2425 | 2433 | rVB4 | 527 | 669 | 0.03% | 0.004% |
| 61 | 9.086 | 2474 | 2487 | 2528 | rBV | 740307 | 1284380 | 48.95% | 8.087% |
| 62 | 9.257 | 2537 | 2540 | 2547 | rVB3 | 1348 | 1307 | 0.05% | 0.008% |
| 63 | 9.353 | 2567 | 2570 | 2573 | rBV3 | 731 | 570 | 0.02% | 0.004% |
| 64 | 9.373 | 2573 | 2576 | 2578 | rBV2 | 1756 | 1250 | 0.05% | 0.008% |
| 65 | 9.440 | 2591 | 2597 | 2599 | rBV2 | 520 | 536 | 0.02% | 0.003% |
| 66 | 9.546 | 2627 | 2630 | 2638 | rVB4 | 637 | 659 | 0.03% | 0.004% |
| 67 | 9.697 | 2673 | 2677 | 2678 | rBV | 809 | 530 | 0.02% | 0.003% |
| 68 | 9.713 | 2678 | 2682 | 2688 | rVB2 | 740 | 894 | 0.03% | 0.006% |
| 69 | 9.771 | 2693 | 2700 | 2701 | rBV4 | 792 | 828 | 0.03% | 0.005% |
| 70 | 10.157 | 2817 | 2820 | 2825 | rBV2 | 725 | 558 | 0.02% | 0.004% |
| 71 | 10.202 | 2830 | 2834 | 2839 | rBV2 | 794 | 721 | 0.03% | 0.005% |

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Sample : K2083-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1A3

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_U\METHOD\SOMULM032319WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.234 | 2839 | 2844 | 2846 | rBV | 566 | 539 | 0.02% | 0.003% |
| 73 | 10.427 | 2891 | 2904 | 2925 | rBV | 518993 | 843643 | 32.16% | 5.312% |
| 74 | 10.604 | 2953 | 2959 | 2962 | rBV4 | 1947 | 2070 | 0.08% | 0.013% |
| 75 | 10.771 | 3005 | 3011 | 3014 | rBV3 | 508 | 583 | 0.02% | 0.004% |
| 76 | 10.980 | 3070 | 3076 | 3079 | rBV4 | 565 | 587 | 0.02% | 0.004% |
| 77 | 11.019 | 3084 | 3088 | 3089 | rBV2 | 718 | 517 | 0.02% | 0.003% |
| 78 | 11.077 | 3104 | 3106 | 3111 | rVB2 | 1223 | 942 | 0.04% | 0.006% |
| 79 | 11.106 | 3111 | 3115 | 3118 | rBV2 | 846 | 804 | 0.03% | 0.005% |
| 80 | 11.147 | 3125 | 3128 | 3131 | rBV2 | 1005 | 656 | 0.03% | 0.004% |
| 81 | 11.212 | 3143 | 3148 | 3150 | rBV2 | 548 | 554 | 0.02% | 0.003% |
| 82 | 11.482 | 3219 | 3232 | 3257 | rBV | 654587 | 1070179 | 40.79% | 6.738% |
| 83 | 11.858 | 3335 | 3349 | 3376 | rBV | 642082 | 1058507 | 40.35% | 6.664% |
| 84 | 12.234 | 3464 | 3466 | 3469 | rVB | 930 | 558 | 0.02% | 0.004% |
| 85 | 12.257 | 3469 | 3473 | 3476 | rBV4 | 699 | 651 | 0.02% | 0.004% |
| 86 | 12.305 | 3485 | 3488 | 3490 | rBV2 | 867 | 629 | 0.02% | 0.004% |
| 87 | 12.408 | 3515 | 3520 | 3523 | rBV3 | 916 | 845 | 0.03% | 0.005% |
| 88 | 12.479 | 3538 | 3542 | 3546 | rBV4 | 870 | 803 | 0.03% | 0.005% |
| 89 | 12.717 | 3611 | 3616 | 3622 | rVB4 | 1046 | 1179 | 0.04% | 0.007% |
| 90 | 12.900 | 3670 | 3673 | 3675 | rBV3 | 688 | 526 | 0.02% | 0.003% |
| 91 | 12.983 | 3696 | 3699 | 3704 | rBV2 | 1239 | 925 | 0.04% | 0.006% |
| 92 | 13.102 | 3733 | 3736 | 3739 | rBV | 762 | 678 | 0.03% | 0.004% |
| 93 | 13.504 | 3854 | 3861 | 3865 | rBV3 | 1043 | 1753 | 0.07% | 0.011% |
| 94 | 13.527 | 3865 | 3868 | 3874 | rVV3 | 930 | 821 | 0.03% | 0.005% |
| 95 | 14.157 | 4061 | 4064 | 4067 | rBV | 621 | 499 | 0.02% | 0.003% |
| 96 | 14.196 | 4073 | 4076 | 4078 | rBV | 985 | 775 | 0.03% | 0.005% |
| 97 | 14.858 | 4278 | 4282 | 4286 | rBV2 | 783 | 992 | 0.04% | 0.006% |
| 98 | 15.183 | 4380 | 4383 | 4386 | rBV | 891 | 747 | 0.03% | 0.005% |
| 99 | 15.491 | 4473 | 4479 | 4481 | rBV3 | 1196 | 1399 | 0.05% | 0.009% |
| 100 | 15.697 | 4540 | 4543 | 4546 | rBV3 | 1366 | 1093 | 0.04% | 0.007% |

Sum of corrected areas: 15882788

LSC Report - Integrated Chromatogram

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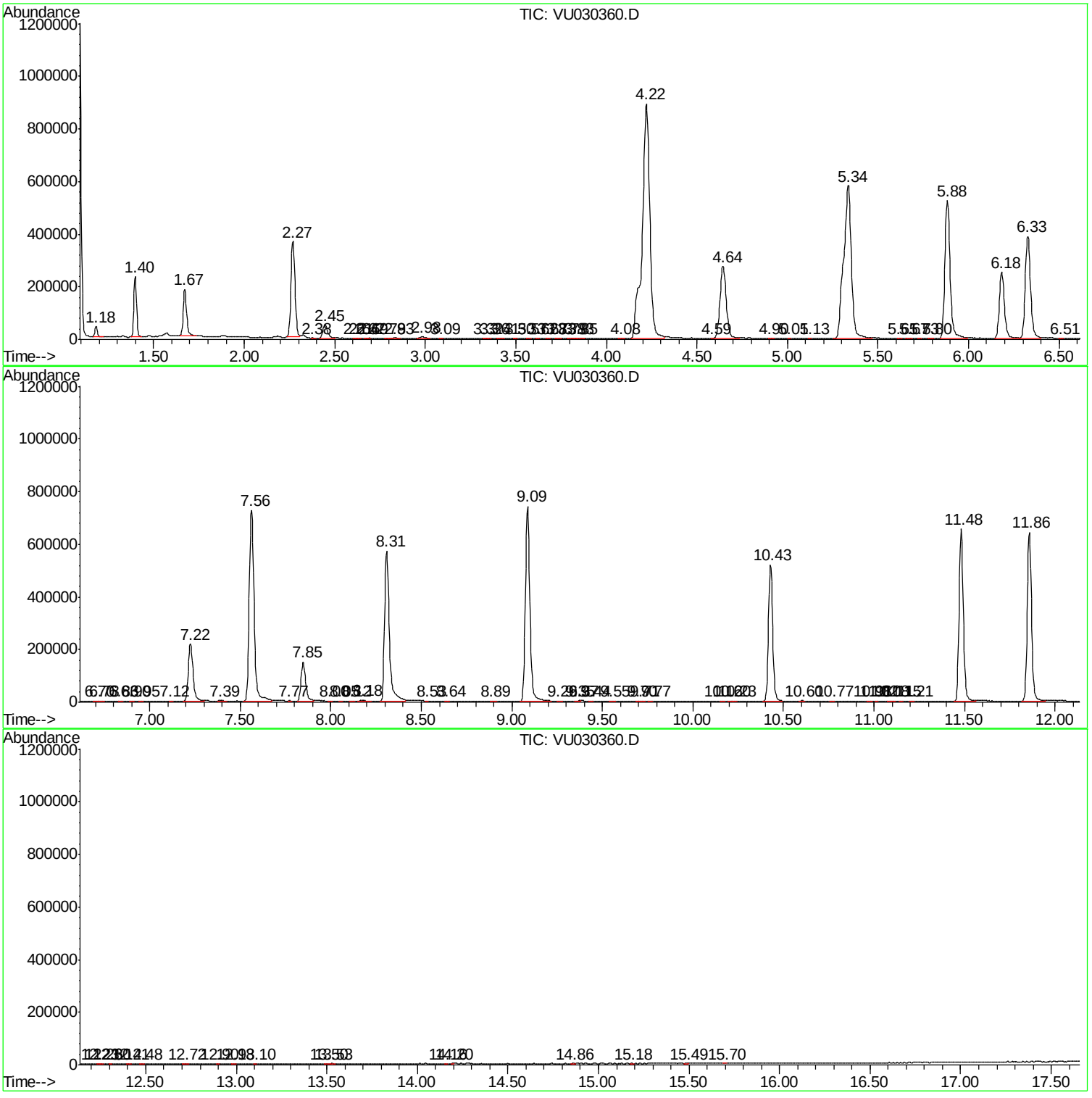
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Data File : VU030360.D
Acq On : 24 Mar 2019 11:06
Operator : JC/SP
Sample : K2083-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

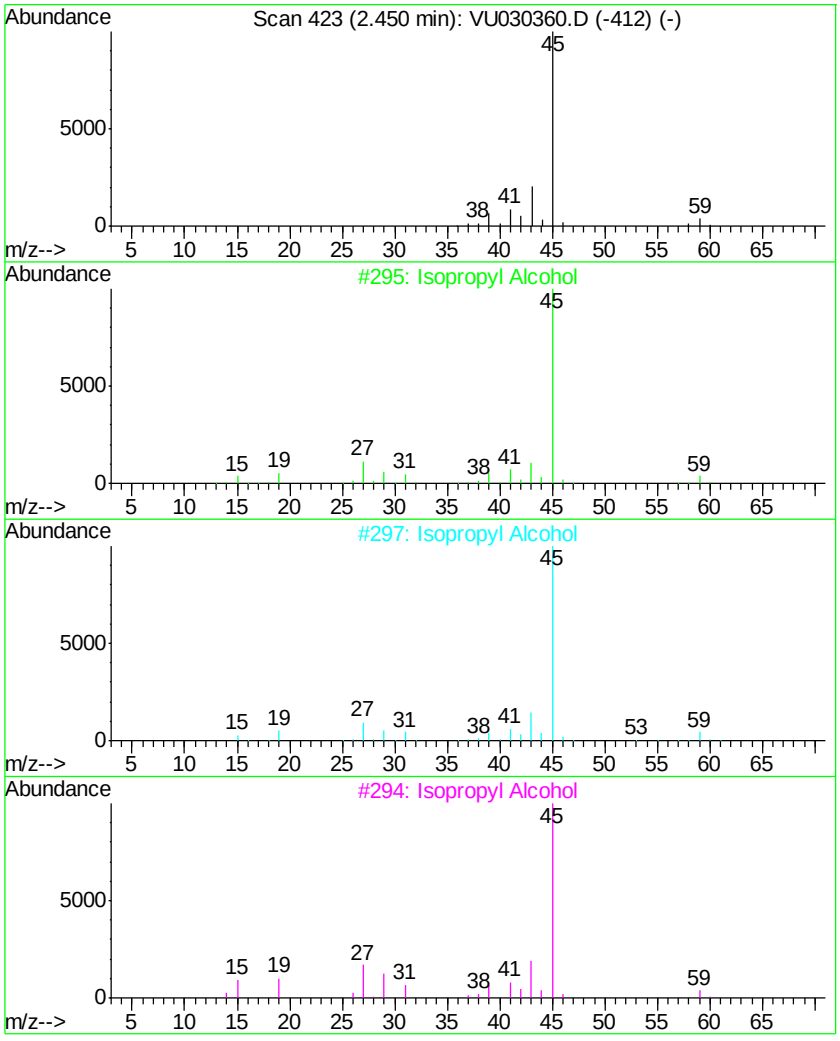
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

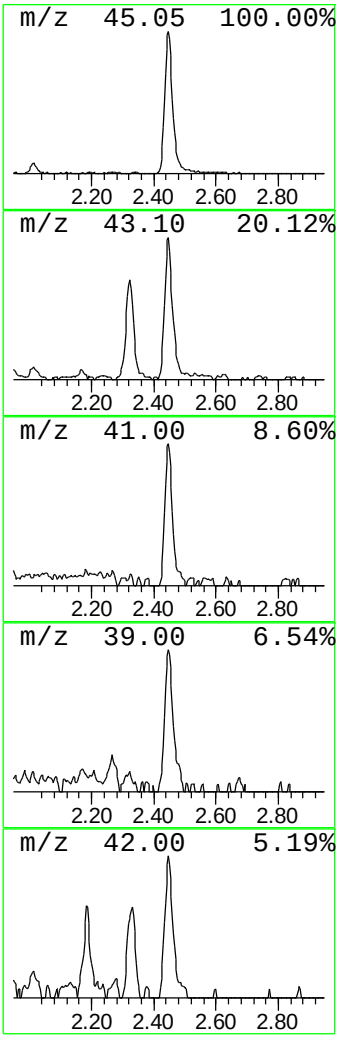
**********

Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.45 | 4.25 ug/L | 90393 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 90 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 90 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 5 | Hydrazine, ethyl- | 60 | C2H8N2 | 000624-80-6 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
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ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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 |
| Isopropyl Alcohol | 2.45 | 4.3 | ug/L | 90393 | 1 | 5.88 | 1064250 | 50.0 |