LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071818\
Data File : VU025503.D
Acq On : 18 Jul 2018 17:57
Operator : MD/SY
Sample : J4040-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

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\SOMULM071718WMA.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 | 0.635 | 11 | 14 | 18 | rBV3 | 295 | 234 | 0.03% | 0.004% |
| 2 | 0.696 | 31 | 33 | 36 | rVB | 310 | 163 | 0.02% | 0.002% |
| 3 | 0.725 | 36 | 42 | 43 | rBV | 500 | 505 | 0.06% | 0.008% |
| 4 | 0.799 | 62 | 65 | 70 | rBV2 | 356 | 408 | 0.05% | 0.006% |
| 5 | 0.825 | 70 | 73 | 78 | rVB3 | 414 | 264 | 0.03% | 0.004% |
| 6 | 0.850 | 78 | 81 | 82 | rBV | 405 | 228 | 0.03% | 0.003% |
| 7 | 0.924 | 101 | 104 | 105 | rBV | 306 | 163 | 0.02% | 0.002% |
| 8 | 0.944 | 109 | 110 | 113 | rVB2 | 247 | 122 | 0.01% | 0.002% |
| 9 | 0.976 | 113 | 120 | 122 | rBV2 | 401 | 452 | 0.05% | 0.007% |
| 10 | 1.014 | 130 | 132 | 134 | rBV2 | 317 | 152 | 0.02% | 0.002% |
| 11 | 1.092 | 148 | 156 | 175 | rBV | 205044 | 235154 | 28.12% | 3.526% |
| 12 | 1.400 | 246 | 252 | 261 | rBV | 69068 | 73615 | 8.80% | 1.104% |
| 13 | 1.683 | 334 | 340 | 352 | rVB | 62157 | 77527 | 9.27% | 1.162% |
| 14 | 2.275 | 516 | 524 | 533 | rBV | 131011 | 191898 | 22.94% | 2.877% |
| 15 | 2.442 | 568 | 576 | 597 | rVB | 30806 | 56523 | 6.76% | 0.847% |
| 16 | 2.927 | 724 | 727 | 728 | rBV2 | 408 | 196 | 0.02% | 0.003% |
| 17 | 2.989 | 738 | 746 | 755 | rVB6 | 2926 | 4956 | 0.59% | 0.074% |
| 18 | 3.066 | 767 | 770 | 773 | rBV3 | 314 | 230 | 0.03% | 0.003% |
| 19 | 3.111 | 782 | 784 | 787 | rVB2 | 462 | 211 | 0.03% | 0.003% |
| 20 | 3.320 | 847 | 849 | 853 | rBV2 | 327 | 257 | 0.03% | 0.004% |
| 21 | 3.468 | 893 | 895 | 898 | rBV2 | 337 | 204 | 0.02% | 0.003% |
| 22 | 3.632 | 941 | 946 | 948 | rBV2 | 425 | 377 | 0.05% | 0.006% |
| 23 | 3.661 | 952 | 955 | 957 | rVB3 | 330 | 229 | 0.03% | 0.003% |
| 24 | 3.702 | 965 | 968 | 974 | rBV2 | 561 | 639 | 0.08% | 0.010% |
| 25 | 3.853 | 1013 | 1015 | 1020 | rVB2 | 637 | 449 | 0.05% | 0.007% |
| 26 | 3.886 | 1020 | 1025 | 1030 | rBV3 | 386 | 525 | 0.06% | 0.008% |
| 27 | 4.014 | 1062 | 1065 | 1069 | rVB2 | 560 | 372 | 0.04% | 0.006% |
| 28 | 4.040 | 1069 | 1073 | 1076 | rBV4 | 448 | 394 | 0.05% | 0.006% |
| 29 | 4.178 | 1102 | 1116 | 1140 | rBV | 65081 | 178271 | 21.31% | 2.673% |
| 30 | 4.490 | 1212 | 1213 | 1218 | rVB2 | 406 | 245 | 0.03% | 0.004% |
| 31 | 4.513 | 1218 | 1220 | 1224 | rVB2 | 416 | 320 | 0.04% | 0.005% |
| 32 | 4.535 | 1224 | 1227 | 1228 | rBV2 | 445 | 224 | 0.03% | 0.003% |
| 33 | 4.654 | 1248 | 1264 | 1284 | rVB | 126027 | 298956 | 35.74% | 4.483% |
| 34 | 4.741 | 1289 | 1291 | 1292 | rBV | 305 | 113 | 0.01% | 0.002% |

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Sample : J4040-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

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\SOMULM071718WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 4.870 | 1328 | 1331 | 1334 | rBV2 | 706 | 597 | 0.07% | 0.009% |
| 36 | 4.950 | 1353 | 1356 | 1358 | rBV2 | 332 | 219 | 0.03% | 0.003% |
| 37 | 4.972 | 1361 | 1363 | 1365 | rBV2 | 321 | 133 | 0.02% | 0.002% |
| 38 | 5.066 | 1389 | 1392 | 1396 | rVB2 | 269 | 190 | 0.02% | 0.003% |
| 39 | 5.127 | 1406 | 1411 | 1412 | rBV2 | 307 | 278 | 0.03% | 0.004% |
| 40 | 5.197 | 1429 | 1433 | 1436 | rBV2 | 661 | 514 | 0.06% | 0.008% |
| 41 | 5.242 | 1444 | 1447 | 1449 | rVB3 | 484 | 265 | 0.03% | 0.004% |
| 42 | 5.262 | 1449 | 1453 | 1454 | rBV | 439 | 306 | 0.04% | 0.005% |
| 43 | 5.345 | 1454 | 1479 | 1499 | rVV2 | 229527 | 698315 | 83.49% | 10.470% |
| 44 | 5.548 | 1536 | 1542 | 1543 | rBV2 | 391 | 289 | 0.03% | 0.004% |
| 45 | 5.651 | 1573 | 1574 | 1578 | rVB | 388 | 212 | 0.03% | 0.003% |
| 46 | 5.673 | 1578 | 1581 | 1582 | rBV2 | 393 | 189 | 0.02% | 0.003% |
| 47 | 5.689 | 1582 | 1586 | 1591 | rBV2 | 360 | 393 | 0.05% | 0.006% |
| 48 | 5.889 | 1633 | 1648 | 1673 | rBV | 367611 | 724763 | 86.65% | 10.867% |
| 49 | 6.107 | 1714 | 1716 | 1720 | rBV3 | 529 | 216 | 0.03% | 0.003% |
| 50 | 6.191 | 1734 | 1742 | 1752 | rVB6 | 2922 | 4950 | 0.59% | 0.074% |
| 51 | 6.287 | 1770 | 1772 | 1773 | rBV | 428 | 186 | 0.02% | 0.003% |
| 52 | 6.336 | 1773 | 1787 | 1808 | rVV | 162996 | 327031 | 39.10% | 4.903% |
| 53 | 6.577 | 1860 | 1862 | 1864 | rBV2 | 325 | 132 | 0.02% | 0.002% |
| 54 | 6.657 | 1884 | 1887 | 1888 | rBV2 | 289 | 157 | 0.02% | 0.002% |
| 55 | 6.693 | 1893 | 1898 | 1903 | rVB2 | 455 | 506 | 0.06% | 0.008% |
| 56 | 6.718 | 1903 | 1906 | 1907 | rBV | 258 | 123 | 0.01% | 0.002% |
| 57 | 6.738 | 1910 | 1912 | 1916 | rVB2 | 373 | 237 | 0.03% | 0.004% |
| 58 | 6.773 | 1918 | 1923 | 1925 | rBV3 | 900 | 894 | 0.11% | 0.013% |
| 59 | 6.921 | 1967 | 1969 | 1972 | rVB2 | 379 | 194 | 0.02% | 0.003% |
| 60 | 6.940 | 1972 | 1975 | 1981 | rBV2 | 275 | 293 | 0.04% | 0.004% |
| 61 | 7.011 | 1995 | 1997 | 1998 | rBV | 300 | 108 | 0.01% | 0.002% |
| 62 | 7.230 | 2053 | 2065 | 2085 | rBV | 91726 | 163812 | 19.59% | 2.456% |
| 63 | 7.464 | 2132 | 2138 | 2147 | rVB6 | 1609 | 2201 | 0.26% | 0.033% |
| 64 | 7.570 | 2157 | 2171 | 2185 | rBV | 312104 | 541497 | 64.74% | 8.119% |
| 65 | 7.783 | 2235 | 2237 | 2240 | rBV3 | 407 | 175 | 0.02% | 0.003% |
| 66 | 7.853 | 2247 | 2259 | 2276 | rBV | 67048 | 111696 | 13.35% | 1.675% |
| 67 | 7.947 | 2286 | 2288 | 2290 | rBV2 | 242 | 148 | 0.02% | 0.002% |
| 68 | 7.959 | 2290 | 2292 | 2294 | rVV | 443 | 194 | 0.02% | 0.003% |
| 69 | 8.011 | 2305 | 2308 | 2310 | rBV2 | 646 | 472 | 0.06% | 0.007% |
| 70 | 8.085 | 2329 | 2331 | 2332 | rBV | 402 | 146 | 0.02% | 0.002% |
| 71 | 8.114 | 2337 | 2340 | 2341 | rBV | 797 | 407 | 0.05% | 0.006% |

LSC Area Percent Report

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Acq On : 18 Jul 2018 17:57
Operator : MD/SY
Sample : J4040-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

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\SOMULM071718WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 8.184 | 2353 | 2362 | 2372 | rBV2 | 15879 | 29938 | 3.58% | 0.449% |
| 73 | 8.313 | 2392 | 2402 | 2429 | rVB | 202846 | 354321 | 42.36% | 5.313% |
| 74 | 8.805 | 2553 | 2555 | 2559 | rBV2 | 325 | 235 | 0.03% | 0.004% |
| 75 | 9.008 | 2616 | 2618 | 2620 | rBV2 | 314 | 177 | 0.02% | 0.003% |
| 76 | 9.091 | 2631 | 2644 | 2669 | rBV | 500545 | 836381 | 100.00% | 12.541% |
| 77 | 9.252 | 2689 | 2694 | 2704 | rVB4 | 2401 | 3213 | 0.38% | 0.048% |
| 78 | 9.381 | 2724 | 2734 | 2742 | rBV6 | 3323 | 6208 | 0.74% | 0.093% |
| 79 | 9.448 | 2753 | 2755 | 2758 | rBV2 | 478 | 324 | 0.04% | 0.005% |
| 80 | 9.525 | 2775 | 2779 | 2782 | rVB3 | 413 | 342 | 0.04% | 0.005% |
| 81 | 9.664 | 2820 | 2822 | 2824 | rBV | 339 | 165 | 0.02% | 0.002% |
| 82 | 9.680 | 2824 | 2827 | 2828 | rBV | 285 | 163 | 0.02% | 0.002% |
| 83 | 9.889 | 2889 | 2892 | 2893 | rBV | 275 | 152 | 0.02% | 0.002% |
| 84 | 10.143 | 2968 | 2971 | 2973 | rBV | 512 | 317 | 0.04% | 0.005% |
| 85 | 10.229 | 2993 | 2998 | 3001 | rBV4 | 1056 | 1016 | 0.12% | 0.015% |
| 86 | 10.435 | 3050 | 3062 | 3078 | rBV | 235532 | 376779 | 45.05% | 5.649% |
| 87 | 10.615 | 3110 | 3118 | 3133 | rVB5 | 5928 | 11258 | 1.35% | 0.169% |
| 88 | 11.094 | 3258 | 3267 | 3269 | rBV2 | 1010 | 1033 | 0.12% | 0.015% |
| 89 | 11.345 | 3342 | 3345 | 3346 | rBV2 | 336 | 214 | 0.03% | 0.003% |
| 90 | 11.416 | 3362 | 3367 | 3376 | rVB5 | 3000 | 4544 | 0.54% | 0.068% |
| 91 | 11.487 | 3376 | 3389 | 3405 | rBV | 486923 | 778547 | 93.09% | 11.673% |
| 92 | 11.863 | 3495 | 3506 | 3525 | rVB | 333633 | 532369 | 63.65% | 7.982% |
| 93 | 12.104 | 3578 | 3581 | 3583 | rBV2 | 738 | 396 | 0.05% | 0.006% |
| 94 | 12.573 | 3719 | 3727 | 3732 | rBV8 | 3341 | 4414 | 0.53% | 0.066% |
| 95 | 12.892 | 3820 | 3826 | 3834 | rVB6 | 3568 | 4919 | 0.59% | 0.074% |
| 96 | 13.101 | 3887 | 3891 | 3893 | rBV2 | 708 | 596 | 0.07% | 0.009% |
| 97 | 13.210 | 3921 | 3925 | 3931 | rVB3 | 593 | 584 | 0.07% | 0.009% |
| 98 | 13.416 | 3985 | 3989 | 3991 | rBV3 | 545 | 400 | 0.05% | 0.006% |
| 99 | 13.454 | 3996 | 4001 | 4008 | rBV4 | 565 | 799 | 0.10% | 0.012% |
| 100 | 13.747 | 4085 | 4092 | 4105 | rBV2 | 8064 | 12568 | 1.50% | 0.188% |

Sum of corrected areas: 6669386

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071818\
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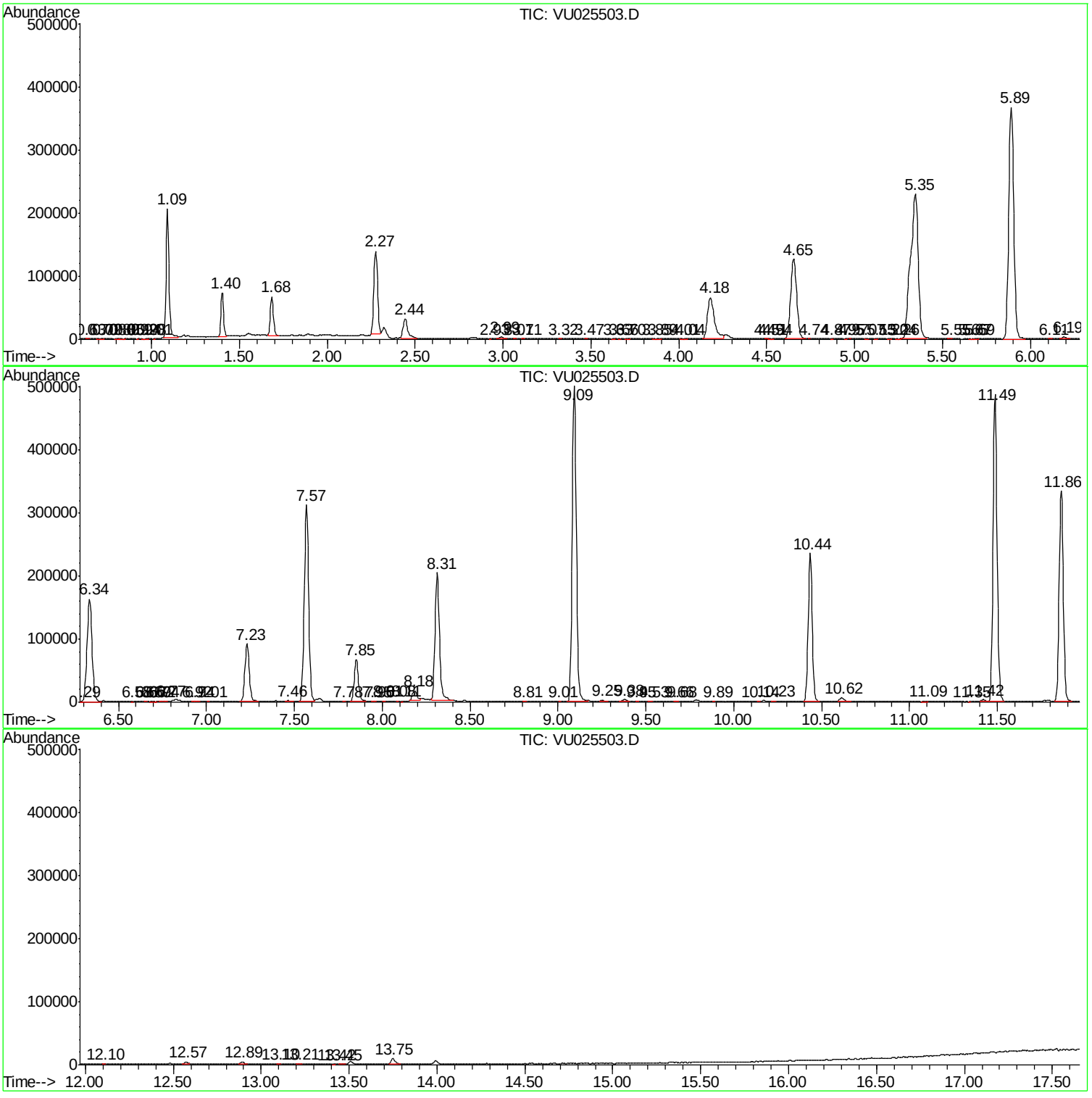
Acq On : 18 Jul 2018 17:57
Operator : MD/SY
Sample : J4040-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.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\VU071818\
Data File : VU025503.D
Acq On : 18 Jul 2018 17:57
Operator : MD/SY
Sample : J4040-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
Quant Title : VOC Analysis

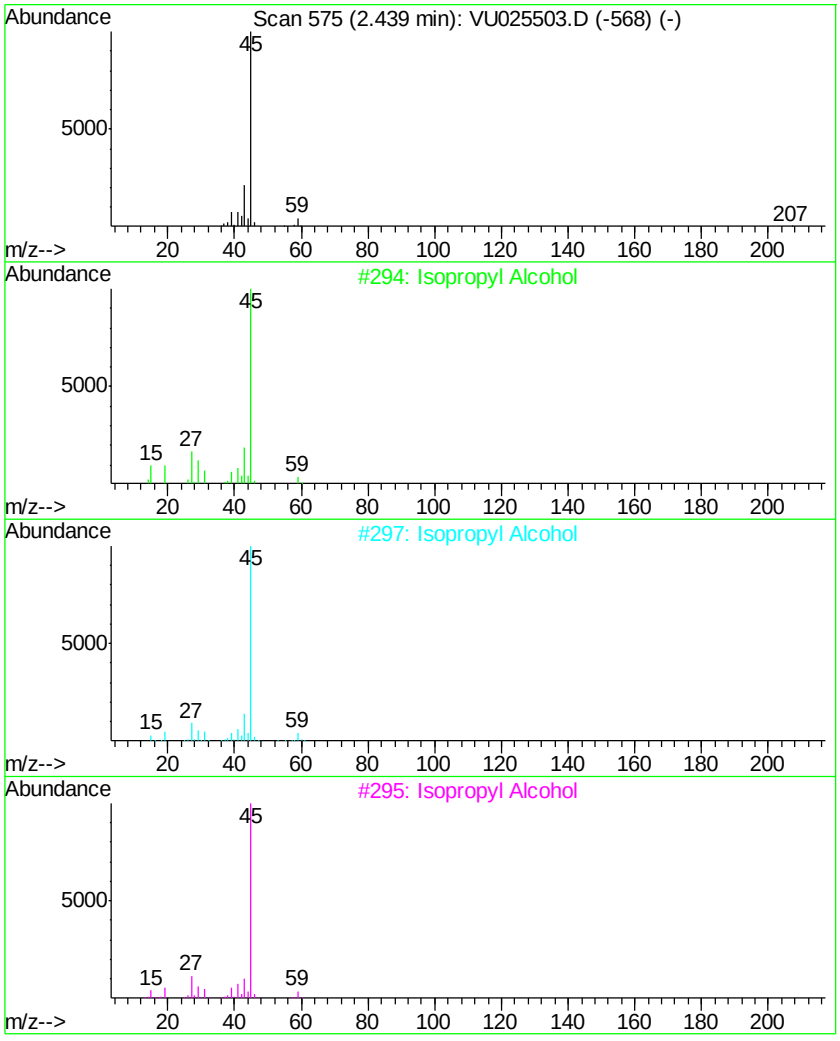
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

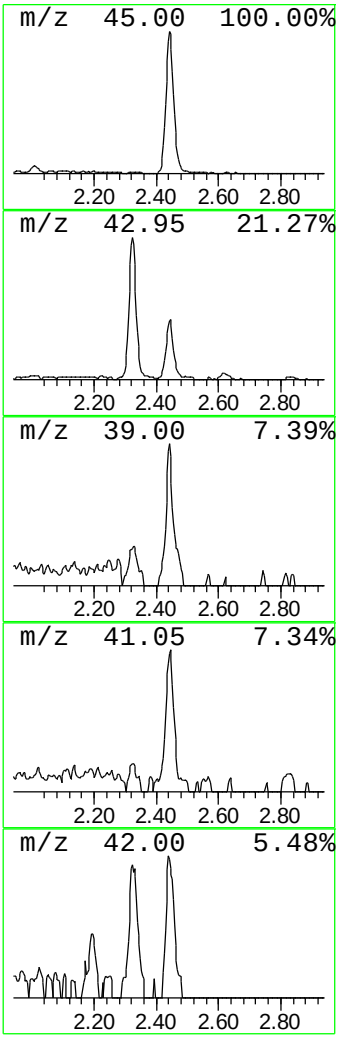
**********

Peak Number 2 Isopropyl Alcohol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.44 | 3.90 ug/L | 56523 | 1,4-Difluorobenzene | 5.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 64 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 64 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 9 |
| 4 | Formamide | 45 | CH3NO | 000075-12-7 | 5 |
| 5 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 4 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071818\
Data File : VU025503.D
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Sample : J4040-01
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ALS Vial : 21 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.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 | 2.44 | 3.9 | ug/L | 56523 | 1 | 5.89 | 724763 | 50.0 |