LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
Data File : VU029711.D
Acq On : 27 Feb 2019 18:03
Operator : JC/SP
Sample : K1623-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 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\SOMULM021519WMA.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 | 24 | 29 | 35 | rBV | 8451 | 7810 | 0.48% | 0.059% |
| 2 | 1.396 | 89 | 95 | 106 | rVB | 232512 | 236458 | 14.44% | 1.788% |
| 3 | 1.678 | 175 | 183 | 202 | rVB | 183034 | 228221 | 13.94% | 1.725% |
| 4 | 2.270 | 356 | 367 | 379 | rBV | 395416 | 596582 | 36.44% | 4.510% |
| 5 | 2.444 | 410 | 421 | 443 | rBV | 53020 | 98856 | 6.04% | 0.747% |
| 6 | 2.614 | 470 | 474 | 481 | rBV4 | 912 | 1047 | 0.06% | 0.008% |
| 7 | 2.704 | 494 | 502 | 510 | rVB6 | 1131 | 2098 | 0.13% | 0.016% |
| 8 | 2.836 | 530 | 543 | 558 | rVB2 | 9927 | 22207 | 1.36% | 0.168% |
| 9 | 2.984 | 580 | 589 | 596 | rBV5 | 753 | 1309 | 0.08% | 0.010% |
| 10 | 3.113 | 626 | 629 | 635 | rBV3 | 258 | 326 | 0.02% | 0.002% |
| 11 | 3.344 | 696 | 701 | 707 | rBV2 | 303 | 394 | 0.02% | 0.003% |
| 12 | 3.559 | 764 | 768 | 775 | rBB3 | 369 | 417 | 0.03% | 0.003% |
| 13 | 3.595 | 775 | 779 | 782 | rBV2 | 355 | 297 | 0.02% | 0.002% |
| 14 | 3.778 | 830 | 836 | 839 | rBV2 | 451 | 477 | 0.03% | 0.004% |
| 15 | 3.820 | 844 | 849 | 852 | rVV3 | 435 | 437 | 0.03% | 0.003% |
| 16 | 3.839 | 853 | 855 | 861 | rVB | 347 | 256 | 0.02% | 0.002% |
| 17 | 3.865 | 861 | 863 | 867 | rBV2 | 327 | 280 | 0.02% | 0.002% |
| 18 | 4.119 | 935 | 942 | 945 | rBV3 | 334 | 410 | 0.03% | 0.003% |
| 19 | 4.177 | 946 | 960 | 1003 | rBV2 | 155596 | 448999 | 27.43% | 3.394% |
| 20 | 4.437 | 1039 | 1041 | 1046 | rBV3 | 477 | 447 | 0.03% | 0.003% |
| 21 | 4.646 | 1088 | 1106 | 1135 | rBV | 264252 | 634783 | 38.78% | 4.799% |
| 22 | 4.810 | 1153 | 1157 | 1161 | rBV4 | 466 | 453 | 0.03% | 0.003% |
| 23 | 4.881 | 1172 | 1179 | 1186 | rBV4 | 1110 | 1929 | 0.12% | 0.015% |
| 24 | 5.100 | 1245 | 1247 | 1251 | rVB2 | 616 | 428 | 0.03% | 0.003% |
| 25 | 5.222 | 1282 | 1285 | 1289 | rVB2 | 353 | 256 | 0.02% | 0.002% |
| 26 | 5.251 | 1289 | 1294 | 1298 | rBV2 | 410 | 373 | 0.02% | 0.003% |
| 27 | 5.338 | 1298 | 1321 | 1354 | rBV2 | 559536 | 1636971 | 100.00% | 12.375% |
| 28 | 5.588 | 1397 | 1399 | 1404 | rVB3 | 583 | 316 | 0.02% | 0.002% |
| 29 | 5.723 | 1438 | 1441 | 1446 | rVB4 | 574 | 564 | 0.03% | 0.004% |
| 30 | 5.749 | 1446 | 1449 | 1451 | rBV2 | 523 | 380 | 0.02% | 0.003% |
| 31 | 5.801 | 1460 | 1465 | 1466 | rBV3 | 309 | 269 | 0.02% | 0.002% |
| 32 | 5.884 | 1476 | 1491 | 1523 | rBV | 498084 | 986618 | 60.27% | 7.458% |
| 33 | 6.103 | 1557 | 1559 | 1562 | rVB2 | 502 | 303 | 0.02% | 0.002% |
| 34 | 6.186 | 1575 | 1585 | 1592 | rBV8 | 1708 | 3157 | 0.19% | 0.024% |

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Sample : K1623-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 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\SOMULM021519WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.328 | 1614 | 1629 | 1652 | rBV | 349720 | 716358 | 43.76% | 5.415% |
| 36 | 6.527 | 1688 | 1691 | 1695 | rBV3 | 485 | 422 | 0.03% | 0.003% |
| 37 | 6.559 | 1698 | 1701 | 1704 | rVV3 | 393 | 242 | 0.01% | 0.002% |
| 38 | 6.591 | 1709 | 1711 | 1714 | rVB | 570 | 260 | 0.02% | 0.002% |
| 39 | 6.685 | 1737 | 1740 | 1744 | rBV2 | 319 | 293 | 0.02% | 0.002% |
| 40 | 6.743 | 1755 | 1758 | 1763 | rVB3 | 381 | 377 | 0.02% | 0.003% |
| 41 | 6.781 | 1763 | 1770 | 1771 | rBV | 419 | 451 | 0.03% | 0.003% |
| 42 | 7.029 | 1843 | 1847 | 1854 | rBV2 | 316 | 358 | 0.02% | 0.003% |
| 43 | 7.080 | 1859 | 1863 | 1865 | rBV2 | 340 | 361 | 0.02% | 0.003% |
| 44 | 7.148 | 1880 | 1884 | 1887 | rBV2 | 239 | 218 | 0.01% | 0.002% |
| 45 | 7.225 | 1895 | 1908 | 1939 | rBV | 205467 | 377195 | 23.04% | 2.851% |
| 46 | 7.392 | 1952 | 1960 | 1972 | rVB8 | 2876 | 5639 | 0.34% | 0.043% |
| 47 | 7.440 | 1973 | 1975 | 1978 | rBV3 | 364 | 242 | 0.01% | 0.002% |
| 48 | 7.460 | 1978 | 1981 | 1984 | rBV2 | 393 | 319 | 0.02% | 0.002% |
| 49 | 7.485 | 1987 | 1989 | 1993 | rVB3 | 611 | 365 | 0.02% | 0.003% |
| 50 | 7.563 | 1999 | 2013 | 2035 | rBV | 790449 | 1389022 | 84.85% | 10.500% |
| 51 | 7.849 | 2088 | 2102 | 2124 | rBV | 138277 | 248022 | 15.15% | 1.875% |
| 52 | 8.016 | 2152 | 2154 | 2157 | rVB3 | 640 | 309 | 0.02% | 0.002% |
| 53 | 8.177 | 2191 | 2204 | 2214 | rBV3 | 11081 | 20720 | 1.27% | 0.157% |
| 54 | 8.222 | 2215 | 2218 | 2227 | rVB3 | 1832 | 2425 | 0.15% | 0.018% |
| 55 | 8.308 | 2232 | 2245 | 2278 | rBV | 492932 | 883022 | 53.94% | 6.675% |
| 56 | 8.585 | 2328 | 2331 | 2333 | rBV4 | 846 | 644 | 0.04% | 0.005% |
| 57 | 8.633 | 2342 | 2346 | 2350 | rBV2 | 480 | 403 | 0.02% | 0.003% |
| 58 | 8.765 | 2383 | 2387 | 2390 | rVB2 | 362 | 278 | 0.02% | 0.002% |
| 59 | 8.794 | 2394 | 2396 | 2401 | rVB2 | 461 | 292 | 0.02% | 0.002% |
| 60 | 8.852 | 2411 | 2414 | 2418 | rVB2 | 626 | 499 | 0.03% | 0.004% |
| 61 | 9.087 | 2474 | 2487 | 2520 | rBV | 725205 | 1237604 | 75.60% | 9.356% |
| 62 | 9.373 | 2571 | 2576 | 2587 | rVV5 | 1033 | 1822 | 0.11% | 0.014% |
| 63 | 9.492 | 2610 | 2613 | 2615 | rBV3 | 371 | 268 | 0.02% | 0.002% |
| 64 | 9.640 | 2655 | 2659 | 2661 | rBV | 392 | 247 | 0.02% | 0.002% |
| 65 | 9.659 | 2661 | 2665 | 2669 | rVB | 384 | 327 | 0.02% | 0.002% |
| 66 | 9.685 | 2669 | 2673 | 2680 | rBV3 | 333 | 472 | 0.03% | 0.004% |
| 67 | 9.794 | 2697 | 2707 | 2708 | rBV5 | 958 | 1302 | 0.08% | 0.010% |
| 68 | 9.955 | 2754 | 2757 | 2760 | rVB3 | 367 | 260 | 0.02% | 0.002% |
| 69 | 10.009 | 2770 | 2774 | 2778 | rBV3 | 354 | 359 | 0.02% | 0.003% |
| 70 | 10.035 | 2780 | 2782 | 2791 | rVB2 | 431 | 443 | 0.03% | 0.003% |
| 71 | 10.103 | 2797 | 2803 | 2808 | rVB3 | 586 | 836 | 0.05% | 0.006% |

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Sample : K1623-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 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\SOMULM021519WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.132 | 2808 | 2812 | 2814 | rBV | 451 | 389 | 0.02% | 0.003% |
| 73 | 10.167 | 2814 | 2823 | 2828 | rBV | 1476 | 1886 | 0.12% | 0.014% |
| 74 | 10.263 | 2851 | 2853 | 2858 | rVB2 | 361 | 218 | 0.01% | 0.002% |
| 75 | 10.427 | 2891 | 2904 | 2936 | rVB | 543402 | 872362 | 53.29% | 6.595% |
| 76 | 10.604 | 2949 | 2959 | 2972 | rVB2 | 11958 | 19914 | 1.22% | 0.151% |
| 77 | 10.714 | 2990 | 2993 | 2996 | rVB3 | 357 | 246 | 0.02% | 0.002% |
| 78 | 10.736 | 2996 | 3000 | 3003 | rBV3 | 429 | 416 | 0.03% | 0.003% |
| 79 | 10.804 | 3017 | 3021 | 3025 | rBV2 | 269 | 311 | 0.02% | 0.002% |
| 80 | 10.849 | 3033 | 3035 | 3039 | rBV2 | 302 | 246 | 0.02% | 0.002% |
| 81 | 10.887 | 3044 | 3047 | 3050 | rBV | 326 | 229 | 0.01% | 0.002% |
| 82 | 10.926 | 3055 | 3059 | 3062 | rBV2 | 313 | 330 | 0.02% | 0.002% |
| 83 | 11.054 | 3093 | 3099 | 3103 | rBV3 | 510 | 488 | 0.03% | 0.004% |
| 84 | 11.080 | 3104 | 3107 | 3113 | rVB2 | 490 | 483 | 0.03% | 0.004% |
| 85 | 11.164 | 3130 | 3133 | 3138 | rVB3 | 392 | 290 | 0.02% | 0.002% |
| 86 | 11.202 | 3142 | 3145 | 3149 | rVV3 | 287 | 268 | 0.02% | 0.002% |
| 87 | 11.344 | 3183 | 3189 | 3194 | rBV2 | 883 | 1185 | 0.07% | 0.009% |
| 88 | 11.421 | 3205 | 3213 | 3220 | rBV3 | 4056 | 6120 | 0.37% | 0.046% |
| 89 | 11.482 | 3220 | 3232 | 3262 | rVV | 711919 | 1181549 | 72.18% | 8.932% |
| 90 | 11.778 | 3321 | 3324 | 3328 | rBV2 | 730 | 596 | 0.04% | 0.005% |
| 91 | 11.858 | 3336 | 3349 | 3374 | rBV | 765432 | 1298350 | 79.31% | 9.815% |
| 92 | 12.479 | 3532 | 3542 | 3553 | rBV2 | 3395 | 5684 | 0.35% | 0.043% |
| 93 | 12.611 | 3580 | 3583 | 3587 | rBV2 | 407 | 339 | 0.02% | 0.003% |
| 94 | 12.893 | 3665 | 3671 | 3682 | rVB5 | 2314 | 4057 | 0.25% | 0.031% |
| 95 | 13.511 | 3856 | 3863 | 3879 | rBV4 | 5404 | 12037 | 0.74% | 0.091% |
| 96 | 13.964 | 4001 | 4004 | 4005 | rBV2 | 624 | 416 | 0.03% | 0.003% |
| 97 | 13.996 | 4007 | 4014 | 4019 | rBV6 | 4394 | 6615 | 0.40% | 0.050% |
| 98 | 14.273 | 4096 | 4100 | 4110 | rVB2 | 3545 | 5159 | 0.32% | 0.039% |
| 99 | 14.459 | 4154 | 4158 | 4159 | rBV2 | 593 | 436 | 0.03% | 0.003% |
| 100 | 14.704 | 4230 | 4234 | 4241 | rBV5 | 638 | 850 | 0.05% | 0.006% |

Sum of corrected areas: 13228273

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
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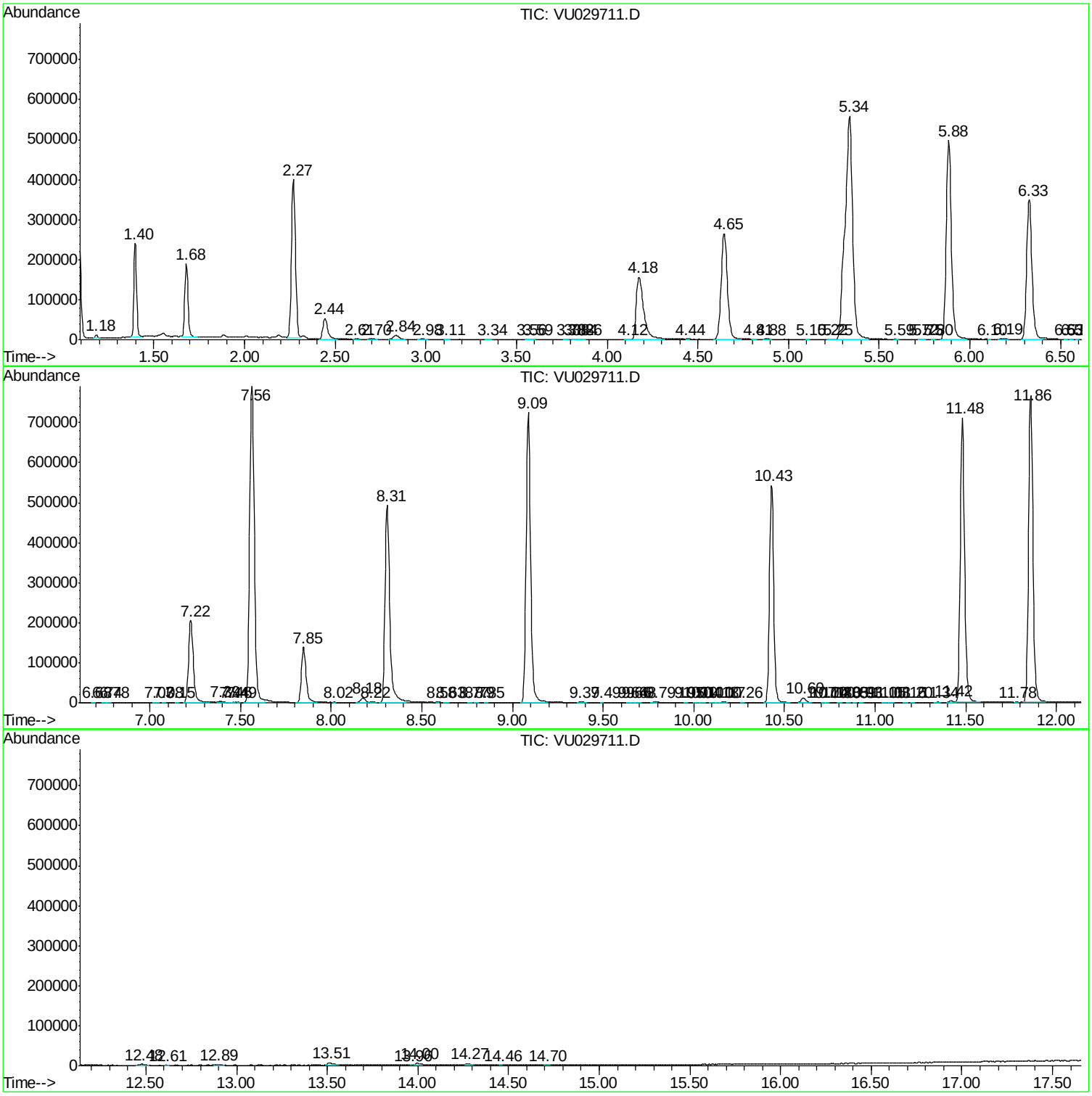
Sample : K1623-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022719\
Data File : VU029711.D
Acq On : 27 Feb 2019 18:03
Operator : JC/SP
Sample : K1623-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

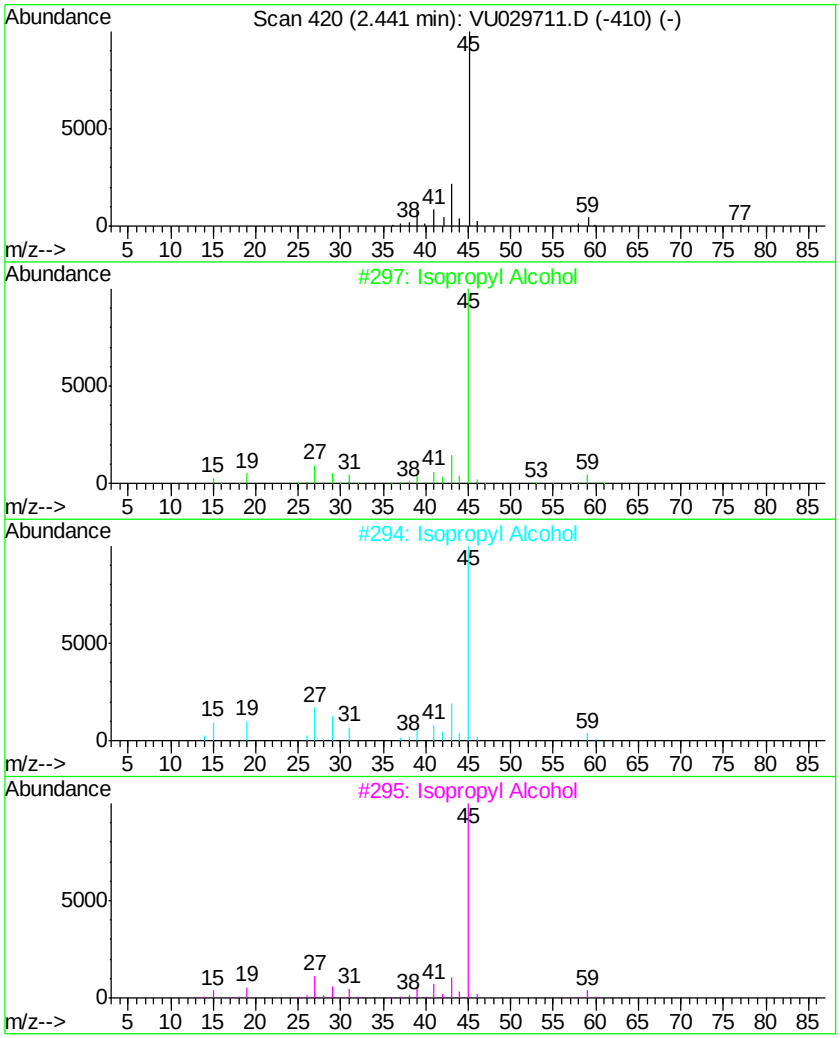
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

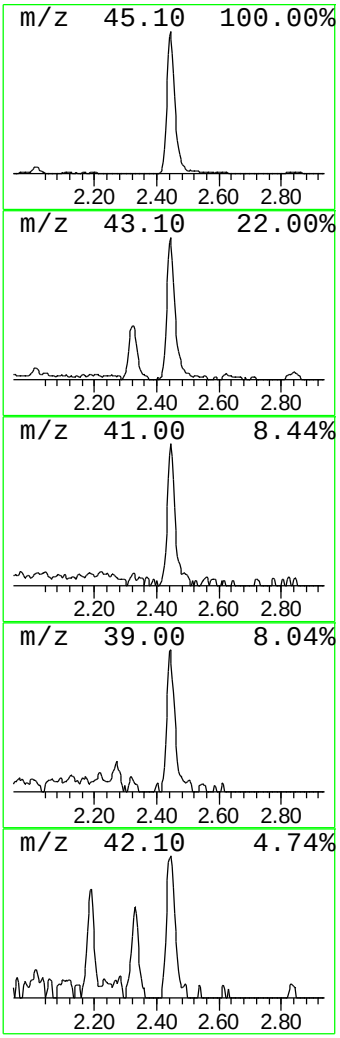
**********

Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.44 | 5.01 ug/L | 98856 | 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 | 83 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |
| 5 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022719\
Data File : VU029711.D
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ALS Vial : 35 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.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 | 5.0 | ug/L | 98856 | 1 | 5.88 | 986618 | 50.0 |