LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
Data File : VU053603.D
Acq On : 07 Apr 2023 18:40
Operator : JC/MD
Sample : 02251-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0MC2

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\SFAMULM033123WMA.M
Title : VOC Analysis

Signal : TIC: VU053603.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.469 | 35 | 40 | 51 | rBV | 11454 | 18363 | 0.83% | 0.202% |
| 2 | 1.597 | 73 | 80 | 96 | rVB | 122306 | 139225 | 6.27% | 1.533% |
| 3 | 1.909 | 170 | 177 | 197 | rVB | 93208 | 130365 | 5.87% | 1.436% |
| 4 | 2.565 | 368 | 381 | 394 | rBV | 180614 | 295106 | 13.29% | 3.250% |
| 5 | 2.745 | 422 | 437 | 478 | rBV | 1206662 | 2220136 | 100.00% | 24.452% |
| 6 | 3.475 | 660 | 664 | 668 | rVB3 | 416 | 381 | 0.02% | 0.004% |
| 7 | 3.498 | 668 | 671 | 674 | rBV2 | 344 | 183 | 0.01% | 0.002% |
| 8 | 3.517 | 674 | 677 | 681 | rBV | 193 | 207 | 0.01% | 0.002% |
| 9 | 3.607 | 702 | 705 | 708 | rBV2 | 265 | 214 | 0.01% | 0.002% |
| 10 | 3.655 | 715 | 720 | 721 | rBV | 315 | 212 | 0.01% | 0.002% |
| 11 | 3.842 | 776 | 778 | 782 | rVB | 303 | 136 | 0.01% | 0.001% |
| 12 | 3.899 | 793 | 796 | 801 | rBV2 | 247 | 296 | 0.01% | 0.003% |
| 13 | 3.954 | 811 | 813 | 817 | rVB | 230 | 117 | 0.01% | 0.001% |
| 14 | 3.999 | 823 | 827 | 830 | rVB2 | 275 | 181 | 0.01% | 0.002% |
| 15 | 4.099 | 856 | 858 | 861 | rVB | 284 | 157 | 0.01% | 0.002% |
| 16 | 4.160 | 873 | 877 | 881 | rBV | 272 | 188 | 0.01% | 0.002% |
| 17 | 4.189 | 881 | 886 | 889 | rBV | 292 | 239 | 0.01% | 0.003% |
| 18 | 4.366 | 937 | 941 | 943 | rBV | 239 | 131 | 0.01% | 0.001% |
| 19 | 4.507 | 981 | 985 | 990 | rVB | 260 | 229 | 0.01% | 0.003% |
| 20 | 4.533 | 990 | 993 | 995 | rBV | 186 | 117 | 0.01% | 0.001% |
| 21 | 4.613 | 1004 | 1018 | 1043 | rBV2 | 70408 | 167801 | 7.56% | 1.848% |
| 22 | 4.935 | 1112 | 1118 | 1120 | rBV2 | 398 | 306 | 0.01% | 0.003% |
| 23 | 5.057 | 1141 | 1156 | 1176 | rBV | 158853 | 347384 | 15.65% | 3.826% |
| 24 | 5.292 | 1227 | 1229 | 1234 | rVB2 | 536 | 396 | 0.02% | 0.004% |
| 25 | 5.340 | 1240 | 1244 | 1246 | rBV2 | 240 | 223 | 0.01% | 0.002% |
| 26 | 5.391 | 1257 | 1260 | 1262 | rBV2 | 319 | 201 | 0.01% | 0.002% |
| 27 | 5.436 | 1271 | 1274 | 1278 | rVB | 312 | 191 | 0.01% | 0.002% |
| 28 | 5.459 | 1278 | 1281 | 1284 | rBV | 189 | 125 | 0.01% | 0.001% |
| 29 | 5.626 | 1331 | 1333 | 1341 | rVB | 286 | 232 | 0.01% | 0.003% |
| 30 | 5.719 | 1341 | 1362 | 1380 | rBV2 | 308620 | 842020 | 37.93% | 9.274% |
| 31 | 6.041 | 1460 | 1462 | 1465 | rVB2 | 280 | 139 | 0.01% | 0.002% |
| 32 | 6.089 | 1475 | 1477 | 1481 | rBV2 | 304 | 182 | 0.01% | 0.002% |
| 33 | 6.173 | 1500 | 1503 | 1506 | rBV2 | 298 | 219 | 0.01% | 0.002% |
| 34 | 6.243 | 1510 | 1525 | 1551 | rBV | 296022 | 560183 | 25.23% | 6.170% |
| 35 | 6.530 | 1606 | 1614 | 1622 | rBV4 | 1202 | 1786 | 0.08% | 0.020% |
| 36 | 6.616 | 1638 | 1641 | 1644 | rBV | 300 | 137 | 0.01% | 0.002% |

LSC Area Percent Report

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Acq On : 07 Apr 2023 18:40
Operator : JC/MD
Sample : 02251-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0MC2

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\SFAMULM033123WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.684 | 1647 | 1662 | 1687 | rBV | 188977 | 375849 | 16.93% | 4.140% |
| 38 | 6.874 | 1717 | 1721 | 1723 | rBV | 156 | 127 | 0.01% | 0.001% |
| 39 | 6.919 | 1731 | 1735 | 1737 | rBV | 158 | 124 | 0.01% | 0.001% |
| 40 | 6.967 | 1747 | 1750 | 1753 | rVB2 | 213 | 158 | 0.01% | 0.002% |
| 41 | 6.986 | 1753 | 1756 | 1759 | rBV | 218 | 151 | 0.01% | 0.002% |
| 42 | 7.108 | 1792 | 1794 | 1798 | rBV | 325 | 239 | 0.01% | 0.003% |
| 43 | 7.179 | 1811 | 1816 | 1817 | rBV2 | 667 | 523 | 0.02% | 0.006% |
| 44 | 7.208 | 1823 | 1825 | 1829 | rVB2 | 459 | 199 | 0.01% | 0.002% |
| 45 | 7.243 | 1833 | 1836 | 1838 | rBV | 185 | 142 | 0.01% | 0.002% |
| 46 | 7.282 | 1845 | 1848 | 1850 | rBV2 | 198 | 117 | 0.01% | 0.001% |
| 47 | 7.308 | 1852 | 1856 | 1858 | rBV | 207 | 150 | 0.01% | 0.002% |
| 48 | 7.375 | 1875 | 1877 | 1880 | rVB | 201 | 120 | 0.01% | 0.001% |
| 49 | 7.391 | 1880 | 1882 | 1886 | rBV | 156 | 128 | 0.01% | 0.001% |
| 50 | 7.481 | 1906 | 1910 | 1913 | rBV | 238 | 186 | 0.01% | 0.002% |
| 51 | 7.562 | 1923 | 1935 | 1959 | rBV2 | 110736 | 193338 | 8.71% | 2.129% |
| 52 | 7.693 | 1971 | 1976 | 1980 | rVB3 | 950 | 1007 | 0.05% | 0.011% |
| 53 | 7.893 | 2024 | 2038 | 2059 | rBV | 408087 | 704286 | 31.72% | 7.757% |
| 54 | 8.173 | 2114 | 2125 | 2145 | rBV | 76687 | 131294 | 5.91% | 1.446% |
| 55 | 8.298 | 2161 | 2164 | 2169 | rBV | 160 | 143 | 0.01% | 0.002% |
| 56 | 8.372 | 2182 | 2187 | 2192 | rBV2 | 269 | 286 | 0.01% | 0.003% |
| 57 | 8.398 | 2192 | 2195 | 2198 | rBV | 184 | 166 | 0.01% | 0.002% |
| 58 | 8.507 | 2226 | 2229 | 2233 | rVB2 | 215 | 172 | 0.01% | 0.002% |
| 59 | 8.626 | 2252 | 2266 | 2299 | rBV | 209319 | 388285 | 17.49% | 4.276% |
| 60 | 8.777 | 2310 | 2313 | 2315 | rBV2 | 460 | 333 | 0.01% | 0.004% |
| 61 | 8.877 | 2339 | 2344 | 2347 | rBV | 395 | 256 | 0.01% | 0.003% |
| 62 | 9.057 | 2395 | 2400 | 2404 | rBV | 216 | 273 | 0.01% | 0.003% |
| 63 | 9.137 | 2421 | 2425 | 2427 | rBV2 | 227 | 168 | 0.01% | 0.002% |
| 64 | 9.218 | 2447 | 2450 | 2458 | rVB2 | 335 | 283 | 0.01% | 0.003% |
| 65 | 9.414 | 2498 | 2511 | 2533 | rBV | 403891 | 680390 | 30.65% | 7.494% |
| 66 | 9.542 | 2546 | 2551 | 2553 | rBV4 | 365 | 310 | 0.01% | 0.003% |
| 67 | 9.671 | 2588 | 2591 | 2594 | rVB2 | 230 | 134 | 0.01% | 0.001% |
| 68 | 9.690 | 2594 | 2597 | 2600 | rBV | 655 | 585 | 0.03% | 0.006% |
| 69 | 9.732 | 2607 | 2610 | 2615 | rVB2 | 268 | 202 | 0.01% | 0.002% |
| 70 | 9.767 | 2616 | 2621 | 2624 | rBV2 | 314 | 267 | 0.01% | 0.003% |
| 71 | 9.800 | 2627 | 2631 | 2638 | rVV2 | 246 | 232 | 0.01% | 0.003% |
| 72 | 9.854 | 2645 | 2648 | 2650 | rBV2 | 248 | 175 | 0.01% | 0.002% |
| 73 | 10.092 | 2719 | 2722 | 2727 | rBV4 | 401 | 440 | 0.02% | 0.005% |
| 74 | 10.410 | 2818 | 2821 | 2827 | rVV | 282 | 251 | 0.01% | 0.003% |
| 75 | 10.436 | 2827 | 2829 | 2833 | rVB | 186 | 126 | 0.01% | 0.001% |
| 76 | 10.478 | 2837 | 2842 | 2843 | rBV2 | 452 | 298 | 0.01% | 0.003% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
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Operator : JC/MD
Sample : 02251-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0MC2

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\SFAMULM033123WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 10.539 | 2858 | 2861 | 2866 | rVB2 | 515 | 432 | 0.02% | 0.005% |
| 78 | 10.565 | 2866 | 2869 | 2870 | rBV | 273 | 132 | 0.01% | 0.001% |
| 79 | 10.690 | 2905 | 2908 | 2911 | rBV2 | 285 | 205 | 0.01% | 0.002% |
| 80 | 10.751 | 2915 | 2927 | 2949 | rVB | 280108 | 452709 | 20.39% | 4.986% |
| 81 | 10.864 | 2958 | 2962 | 2965 | rBV | 316 | 278 | 0.01% | 0.003% |
| 82 | 10.883 | 2965 | 2968 | 2976 | rVV3 | 486 | 505 | 0.02% | 0.006% |
| 83 | 10.935 | 2981 | 2984 | 2987 | rBV2 | 384 | 287 | 0.01% | 0.003% |
| 84 | 11.089 | 3030 | 3032 | 3034 | rBV | 255 | 119 | 0.01% | 0.001% |
| 85 | 11.259 | 3082 | 3085 | 3088 | rBV | 193 | 121 | 0.01% | 0.001% |
| 86 | 11.468 | 3146 | 3150 | 3156 | rVB2 | 568 | 647 | 0.03% | 0.007% |
| 87 | 11.642 | 3200 | 3204 | 3205 | rBV | 282 | 189 | 0.01% | 0.002% |
| 88 | 11.748 | 3230 | 3237 | 3243 | rVB2 | 2253 | 2930 | 0.13% | 0.032% |
| 89 | 11.806 | 3243 | 3255 | 3278 | rBV | 439718 | 713490 | 32.14% | 7.858% |
| 90 | 12.073 | 3334 | 3338 | 3339 | rBV2 | 556 | 374 | 0.02% | 0.004% |
| 91 | 12.188 | 3361 | 3374 | 3398 | rBV | 416920 | 686264 | 30.91% | 7.558% |
| 92 | 12.449 | 3453 | 3455 | 3461 | rBV | 332 | 222 | 0.01% | 0.002% |
| 93 | 12.523 | 3475 | 3478 | 3482 | rBV | 356 | 251 | 0.01% | 0.003% |
| 94 | 12.928 | 3599 | 3604 | 3610 | rBV2 | 321 | 388 | 0.02% | 0.004% |
| 95 | 13.041 | 3635 | 3639 | 3641 | rBV2 | 410 | 266 | 0.01% | 0.003% |
| 96 | 13.169 | 3675 | 3679 | 3682 | rVB | 426 | 314 | 0.01% | 0.003% |
| 97 | 13.327 | 3724 | 3728 | 3731 | rBV2 | 322 | 281 | 0.01% | 0.003% |
| 98 | 13.606 | 3813 | 3815 | 3819 | rVB2 | 223 | 145 | 0.01% | 0.002% |
| 99 | 13.841 | 3882 | 3888 | 3896 | rVB6 | 4826 | 7078 | 0.32% | 0.078% |
| 100 | 14.095 | 3959 | 3967 | 3973 | rBV2 | 1492 | 2303 | 0.10% | 0.025% |

Sum of corrected areas: 9079551

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
Data File : VU053603.D
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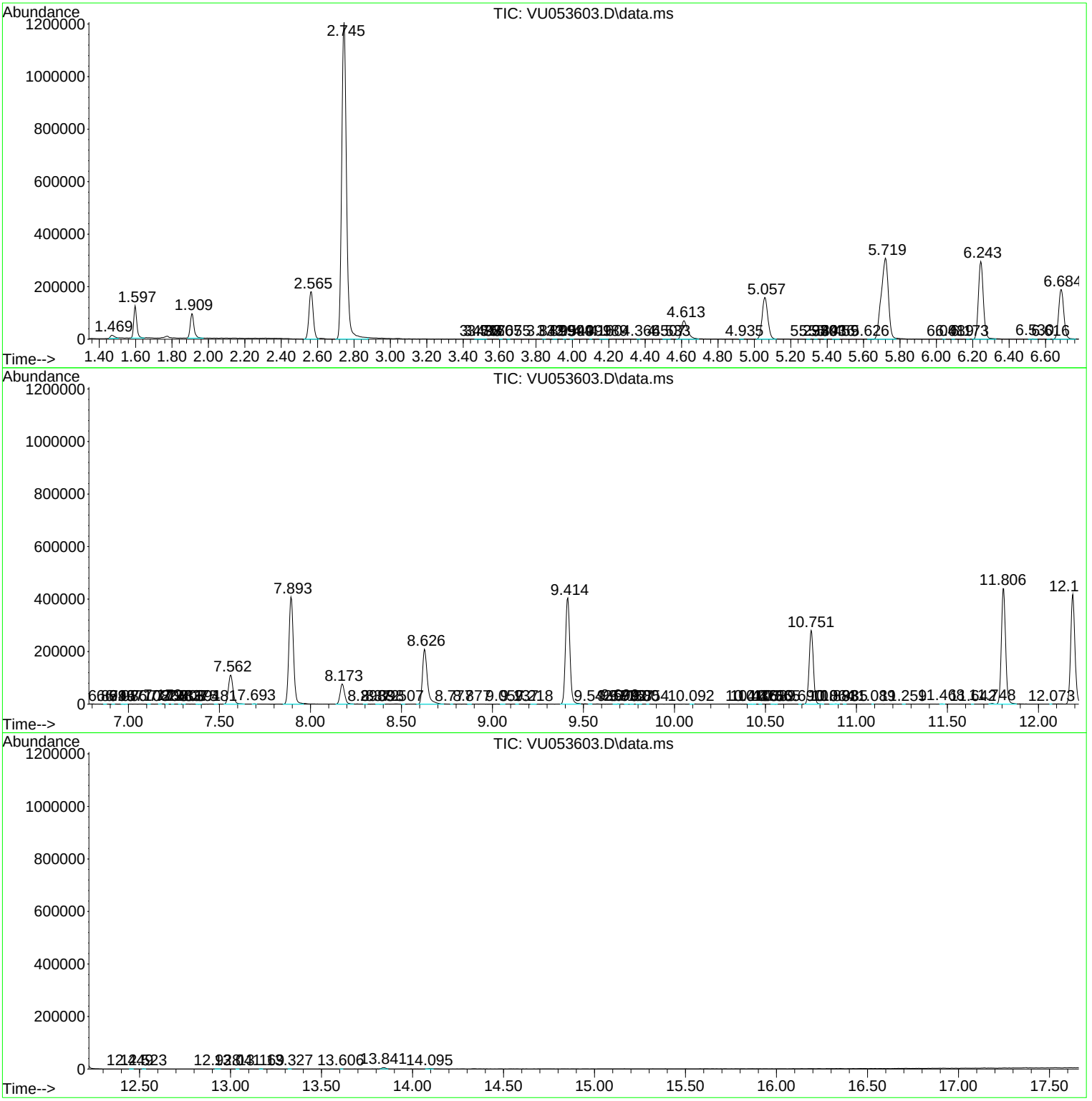
Sample : 02251-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0MC2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
Data File : VU053603.D
Acq On : 07 Apr 2023 18:40
Operator : JC/MD
Sample : 02251-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0MC2

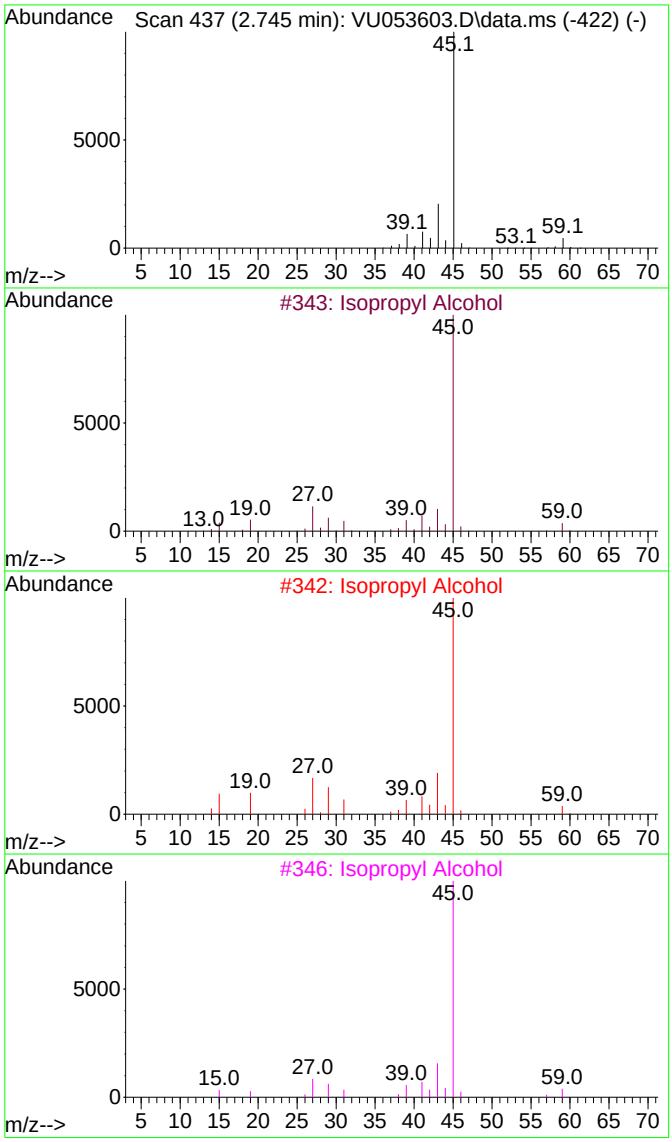
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis

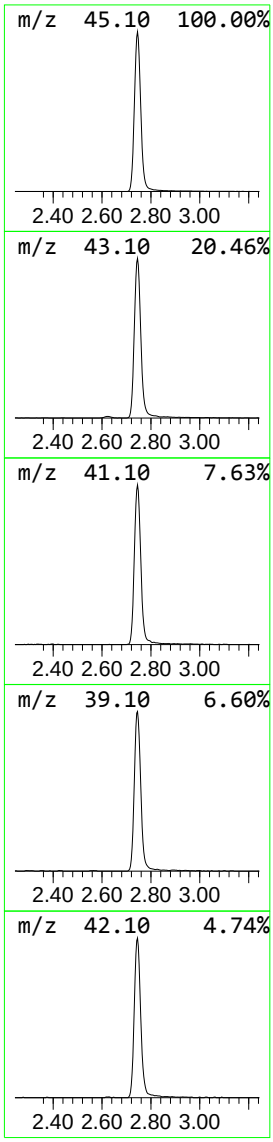
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Isopropyl Alcohol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.745 | 198.16 ug/L | 2220140 | 1,4-Difluorobenzene | 6.243 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 86 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 64 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 64 |
| 5 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0MC2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Isopropyl Alcohol | 2.745 | 198.2 | ug/L | 2220140 | 1 | 6.243 | 560183 | 50.0 |