LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
Data File : VU046185.D
Acq On : 08 Dec 2021 19:14
Operator : SY/MD
Sample : M4887-06MERE
Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EX8A3MERE

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\SFAMULM112921WMA.M
Title : VOC Analysis

Signal : TIC: VU046185.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.601 | 73 | 81 | 99 | rVB | 105298 | 133995 | 13.02% | 1.650% |
| 2 | 1.916 | 171 | 179 | 199 | rVB | 65380 | 105334 | 10.23% | 1.297% |
| 3 | 1.996 | 202 | 204 | 206 | rBV3 | 493 | 249 | 0.02% | 0.003% |
| 4 | 2.549 | 365 | 376 | 389 | rBV | 189118 | 310053 | 30.13% | 3.818% |
| 5 | 3.186 | 558 | 574 | 590 | rBV | 19085 | 49543 | 4.81% | 0.610% |
| 6 | 3.703 | 731 | 735 | 737 | rBV | 462 | 357 | 0.03% | 0.004% |
| 7 | 3.771 | 753 | 756 | 760 | rBV | 773 | 643 | 0.06% | 0.008% |
| 8 | 3.826 | 770 | 773 | 776 | rBV2 | 346 | 228 | 0.02% | 0.003% |
| 9 | 3.845 | 776 | 779 | 782 | rBV | 406 | 328 | 0.03% | 0.004% |
| 10 | 3.883 | 788 | 791 | 792 | rBV | 320 | 191 | 0.02% | 0.002% |
| 11 | 4.080 | 848 | 852 | 857 | rBV2 | 455 | 500 | 0.05% | 0.006% |
| 12 | 4.105 | 857 | 860 | 863 | rBV | 195 | 135 | 0.01% | 0.002% |
| 13 | 4.150 | 870 | 874 | 878 | rVB2 | 212 | 220 | 0.02% | 0.003% |
| 14 | 4.186 | 881 | 885 | 891 | rBV | 386 | 405 | 0.04% | 0.005% |
| 15 | 4.215 | 891 | 894 | 897 | rBV2 | 321 | 246 | 0.02% | 0.003% |
| 16 | 4.301 | 918 | 921 | 924 | rBV | 428 | 356 | 0.03% | 0.004% |
| 17 | 4.440 | 962 | 964 | 967 | rBV2 | 243 | 151 | 0.01% | 0.002% |
| 18 | 4.652 | 1014 | 1030 | 1091 | rBV | 63088 | 279746 | 27.18% | 3.444% |
| 19 | 5.067 | 1144 | 1159 | 1184 | rVB3 | 155810 | 404382 | 39.29% | 4.979% |
| 20 | 5.276 | 1220 | 1224 | 1228 | rBV2 | 364 | 399 | 0.04% | 0.005% |
| 21 | 5.330 | 1238 | 1241 | 1244 | rBV | 430 | 283 | 0.03% | 0.003% |
| 22 | 5.552 | 1307 | 1310 | 1312 | rBV | 320 | 214 | 0.02% | 0.003% |
| 23 | 5.723 | 1343 | 1363 | 1388 | rBV2 | 397060 | 1029213 | 100.00% | 12.672% |
| 24 | 5.935 | 1426 | 1429 | 1432 | rVB2 | 531 | 346 | 0.03% | 0.004% |
| 25 | 5.980 | 1432 | 1443 | 1457 | rBV3 | 4532 | 11230 | 1.09% | 0.138% |
| 26 | 6.102 | 1476 | 1481 | 1486 | rVB2 | 464 | 546 | 0.05% | 0.007% |
| 27 | 6.137 | 1488 | 1492 | 1494 | rBV2 | 274 | 249 | 0.02% | 0.003% |
| 28 | 6.189 | 1503 | 1508 | 1510 | rBV2 | 267 | 197 | 0.02% | 0.002% |
| 29 | 6.250 | 1511 | 1527 | 1551 | rVV | 203139 | 410821 | 39.92% | 5.058% |
| 30 | 6.449 | 1586 | 1589 | 1592 | rBV2 | 382 | 310 | 0.03% | 0.004% |
| 31 | 6.536 | 1606 | 1616 | 1628 | rBV5 | 13939 | 29257 | 2.84% | 0.360% |
| 32 | 6.690 | 1650 | 1664 | 1685 | rBV | 225889 | 457856 | 44.49% | 5.637% |
| 33 | 6.816 | 1700 | 1703 | 1705 | rBV2 | 269 | 197 | 0.02% | 0.002% |
| 34 | 6.851 | 1710 | 1714 | 1719 | rBV2 | 506 | 578 | 0.06% | 0.007% |
| 35 | 6.973 | 1750 | 1752 | 1756 | rBV | 364 | 268 | 0.03% | 0.003% |
| 36 | 7.160 | 1807 | 1810 | 1811 | rBV2 | 412 | 271 | 0.03% | 0.003% |

LSC Area Percent Report

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Sample : M4887-06MERE
Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EX8A3MERE

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\SFAMULM112921WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.301 | 1852 | 1854 | 1856 | rBV | 257 | 145 | 0.01% | 0.002% |
| 38 | 7.372 | 1873 | 1876 | 1879 | rBV | 402 | 276 | 0.03% | 0.003% |
| 39 | 7.568 | 1924 | 1937 | 1960 | rVB | 125289 | 244724 | 23.78% | 3.013% |
| 40 | 7.790 | 1994 | 2006 | 2021 | rBV3 | 6918 | 14105 | 1.37% | 0.174% |
| 41 | 7.899 | 2026 | 2040 | 2058 | rBV | 451779 | 848497 | 82.44% | 10.447% |
| 42 | 8.182 | 2116 | 2128 | 2153 | rBV | 76014 | 167701 | 16.29% | 2.065% |
| 43 | 8.337 | 2172 | 2176 | 2182 | rBV | 413 | 451 | 0.04% | 0.006% |
| 44 | 8.555 | 2231 | 2244 | 2260 | rBV | 294491 | 508620 | 49.42% | 6.262% |
| 45 | 8.677 | 2261 | 2282 | 2315 | rVB | 199153 | 584116 | 56.75% | 7.192% |
| 46 | 8.835 | 2327 | 2331 | 2333 | rBV3 | 358 | 295 | 0.03% | 0.004% |
| 47 | 8.902 | 2349 | 2352 | 2353 | rBV2 | 482 | 268 | 0.03% | 0.003% |
| 48 | 9.044 | 2394 | 2396 | 2397 | rBV | 380 | 181 | 0.02% | 0.002% |
| 49 | 9.157 | 2428 | 2431 | 2436 | rBV | 336 | 331 | 0.03% | 0.004% |
| 50 | 9.205 | 2443 | 2446 | 2451 | rVB2 | 310 | 310 | 0.03% | 0.004% |
| 51 | 9.230 | 2451 | 2454 | 2459 | rVB | 336 | 265 | 0.03% | 0.003% |
| 52 | 9.253 | 2459 | 2461 | 2463 | rBV2 | 177 | 95 | 0.01% | 0.001% |
| 53 | 9.330 | 2479 | 2485 | 2490 | rBV | 592 | 850 | 0.08% | 0.010% |
| 54 | 9.423 | 2503 | 2514 | 2536 | rVB | 244483 | 523161 | 50.83% | 6.441% |
| 55 | 9.620 | 2573 | 2575 | 2577 | rVB2 | 198 | 74 | 0.01% | 0.001% |
| 56 | 9.636 | 2577 | 2580 | 2585 | rVB | 517 | 433 | 0.04% | 0.005% |
| 57 | 9.693 | 2585 | 2598 | 2600 | rBV | 1671 | 2442 | 0.24% | 0.030% |
| 58 | 9.774 | 2620 | 2623 | 2626 | rVB | 478 | 280 | 0.03% | 0.003% |
| 59 | 9.793 | 2626 | 2629 | 2632 | rBV2 | 254 | 174 | 0.02% | 0.002% |
| 60 | 9.873 | 2650 | 2654 | 2659 | rVB2 | 435 | 367 | 0.04% | 0.005% |
| 61 | 9.899 | 2659 | 2662 | 2664 | rBV | 371 | 227 | 0.02% | 0.003% |
| 62 | 10.147 | 2737 | 2739 | 2741 | rBV | 282 | 171 | 0.02% | 0.002% |
| 63 | 10.292 | 2780 | 2784 | 2791 | rBV | 478 | 505 | 0.05% | 0.006% |
| 64 | 10.565 | 2866 | 2869 | 2870 | rBV | 362 | 220 | 0.02% | 0.003% |
| 65 | 10.674 | 2892 | 2903 | 2907 | rBV5 | 2305 | 3675 | 0.36% | 0.045% |
| 66 | 10.771 | 2920 | 2933 | 2948 | rVB | 347997 | 573477 | 55.72% | 7.061% |
| 67 | 10.893 | 2958 | 2971 | 2984 | rBV3 | 4204 | 7414 | 0.72% | 0.091% |
| 68 | 10.996 | 2997 | 3003 | 3004 | rBV | 464 | 416 | 0.04% | 0.005% |
| 69 | 11.092 | 3029 | 3033 | 3035 | rBV2 | 575 | 478 | 0.05% | 0.006% |
| 70 | 11.182 | 3057 | 3061 | 3066 | rBV2 | 312 | 377 | 0.04% | 0.005% |
| 71 | 11.378 | 3120 | 3122 | 3124 | rBV | 120 | 63 | 0.01% | 0.001% |
| 72 | 11.648 | 3203 | 3206 | 3207 | rBV | 291 | 177 | 0.02% | 0.002% |
| 73 | 11.697 | 3216 | 3221 | 3227 | rVB3 | 1276 | 1445 | 0.14% | 0.018% |
| 74 | 11.819 | 3246 | 3259 | 3272 | rBV | 346230 | 544132 | 52.87% | 6.700% |
| 75 | 11.890 | 3278 | 3281 | 3283 | rBV2 | 267 | 164 | 0.02% | 0.002% |
| 76 | 11.951 | 3292 | 3300 | 3303 | rBV3 | 1150 | 1630 | 0.16% | 0.020% |

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Sample : M4887-06MERE
Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EX8A3MERE

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\SFAMULM112921WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 12.198 | 3362 | 3377 | 3392 | rBV | 529643 | 835841 | 81.21% | 10.291% |
| 78 | 12.378 | 3428 | 3433 | 3438 | rBV | 428 | 549 | 0.05% | 0.007% |
| 79 | 12.404 | 3438 | 3441 | 3444 | rVB2 | 645 | 355 | 0.03% | 0.004% |
| 80 | 12.484 | 3462 | 3466 | 3469 | rBV2 | 263 | 245 | 0.02% | 0.003% |
| 81 | 14.089 | 3957 | 3965 | 3976 | rBV | 7234 | 11142 | 1.08% | 0.137% |
| 82 | 16.410 | 4680 | 4687 | 4693 | rBV2 | 8107 | 11667 | 1.13% | 0.144% |

Sum of corrected areas: 8121828

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
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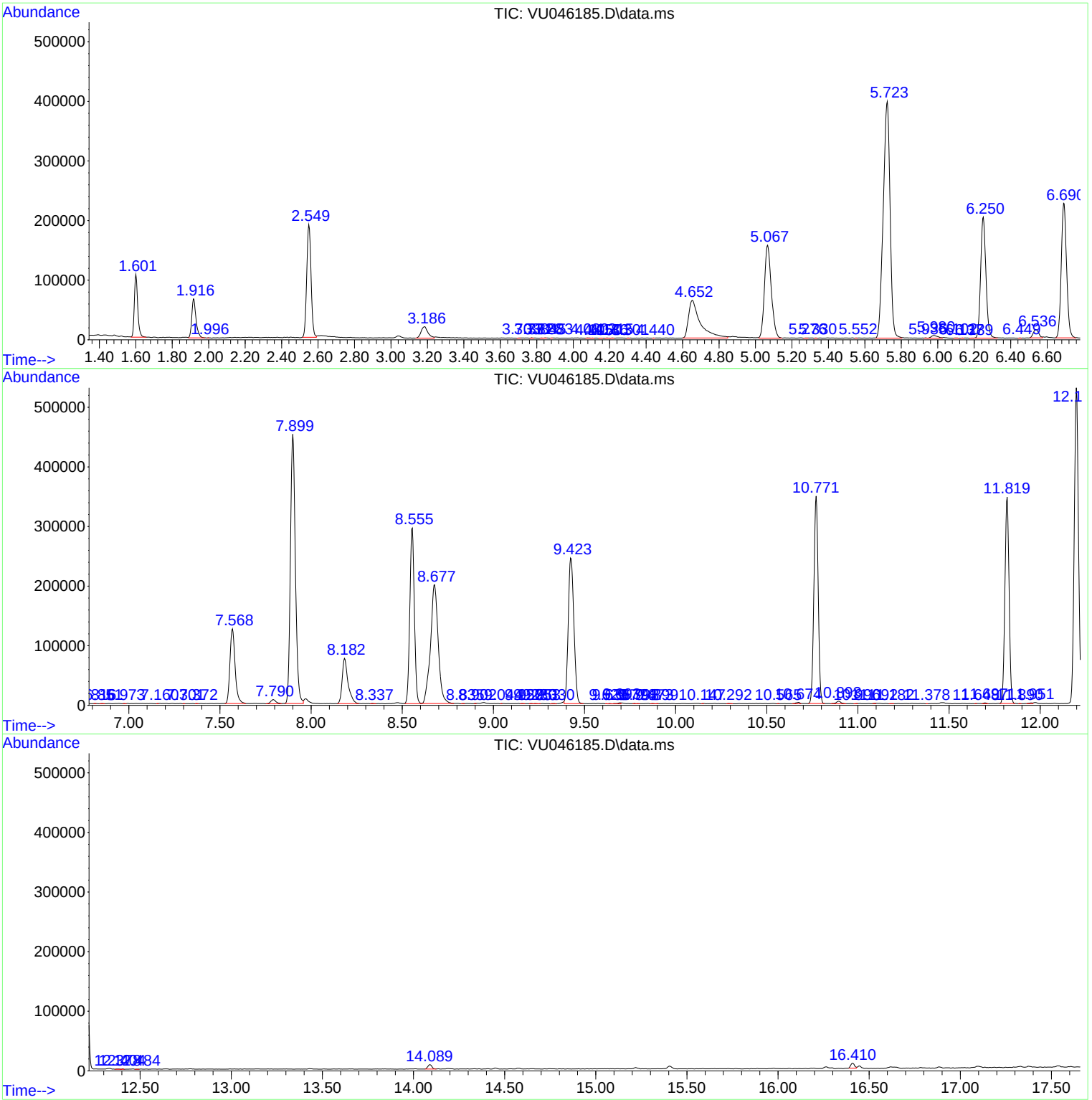
Sample : M4887-06MERE
Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EX8A3MERE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
Data File : VU046185.D
Acq On : 08 Dec 2021 19:14
Operator : SY/MD
Sample : M4887-06MERE
Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EX8A3MERE

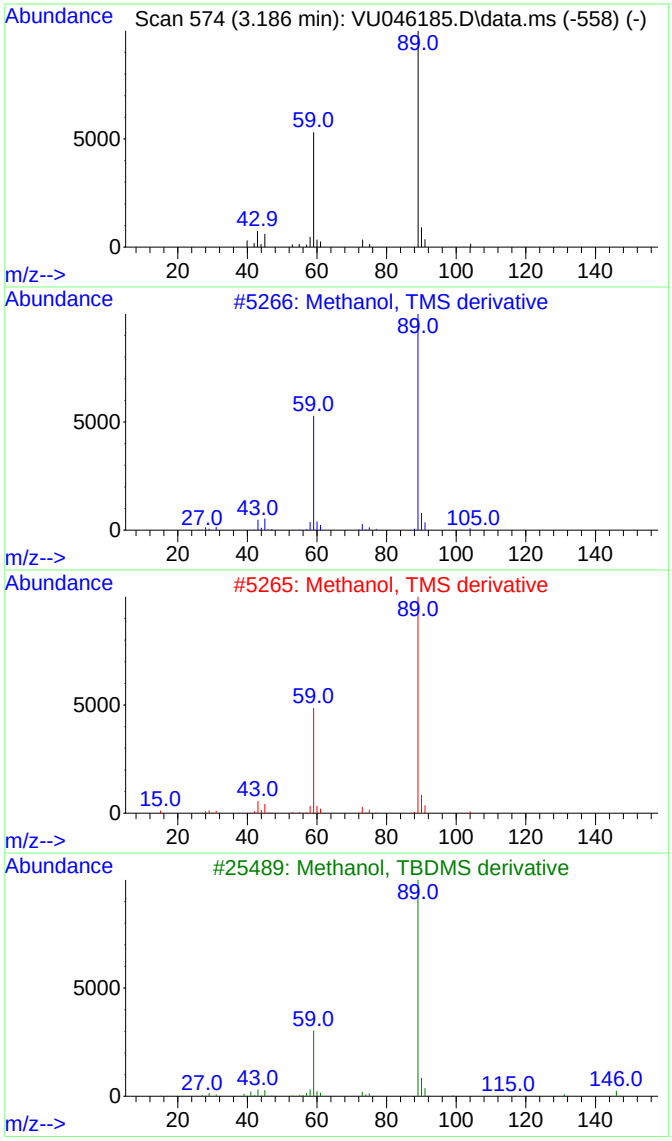
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

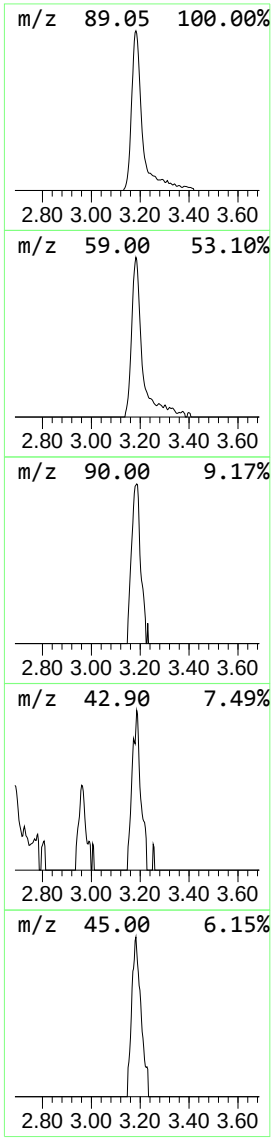
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Methanol, TMS derivative Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.186 | 6.03 ug/L | 49543 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanol, TMS derivative | 104 | C4H12OSi | 001825-61-2 | 91 |
| 2 | Methanol, TMS derivative | 104 | C4H12OSi | 001825-61-2 | 83 |
| 3 | Methanol, TBDMS derivative | 146 | C7H18OSi | 1000364-10-7 | 83 |
| 4 | Ethyl(dimethyl)methoxysilane | 118 | C5H14OSi | 052686-75-6 | 74 |
| 5 | Silane, (2-methoxyethyl)trimethyl- | 132 | C6H16OSi | 018173-63-2 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
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**Instrument :**
MSVOA_U
**ClientSampleId :**
EX8A3MERE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.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 |
| Methanol, TMS d... | 3.186 | 6.0 | ug/L | 49543 | 1 | 6.250 | 410821 | 50.0 |