LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
Data File : VU050462.D
Acq On : 26 Aug 2022 17:13
Operator : SY/MD
Sample : N4322-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EY180

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\SFAMULM082422WMA.M
Title : VOC Analysis

Signal : TIC: VU050462.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.485 | 40 | 45 | 50 | rBV2 | 3016 | 3396 | 0.22% | 0.032% |
| 2 | 1.594 | 72 | 79 | 101 | rBV | 200057 | 242178 | 15.96% | 2.265% |
| 3 | 1.900 | 166 | 174 | 185 | rBV | 162709 | 213781 | 14.09% | 2.000% |
| 4 | 2.292 | 290 | 296 | 306 | rVB2 | 4063 | 6669 | 0.44% | 0.062% |
| 5 | 2.562 | 367 | 380 | 395 | rBV | 297362 | 485807 | 32.01% | 4.545% |
| 6 | 2.774 | 436 | 446 | 469 | rVB3 | 4593 | 10165 | 0.67% | 0.095% |
| 7 | 2.970 | 503 | 507 | 511 | rBV2 | 189 | 184 | 0.01% | 0.002% |
| 8 | 2.996 | 512 | 515 | 519 | rVB | 377 | 277 | 0.02% | 0.003% |
| 9 | 3.035 | 523 | 527 | 530 | rBV2 | 841 | 843 | 0.06% | 0.008% |
| 10 | 3.125 | 553 | 555 | 558 | rBV2 | 234 | 182 | 0.01% | 0.002% |
| 11 | 3.186 | 563 | 574 | 584 | rVB3 | 1793 | 3642 | 0.24% | 0.034% |
| 12 | 3.250 | 589 | 594 | 598 | rBV2 | 283 | 304 | 0.02% | 0.003% |
| 13 | 3.559 | 688 | 690 | 695 | rVB | 302 | 205 | 0.01% | 0.002% |
| 14 | 3.642 | 711 | 716 | 719 | rBV2 | 279 | 233 | 0.02% | 0.002% |
| 15 | 3.726 | 738 | 742 | 744 | rBV | 311 | 190 | 0.01% | 0.002% |
| 16 | 3.742 | 744 | 747 | 753 | rVB2 | 344 | 299 | 0.02% | 0.003% |
| 17 | 3.874 | 775 | 788 | 792 | rBV | 941 | 1664 | 0.11% | 0.016% |
| 18 | 3.932 | 803 | 806 | 809 | rBV | 283 | 188 | 0.01% | 0.002% |
| 19 | 3.967 | 813 | 817 | 820 | rVV2 | 259 | 200 | 0.01% | 0.002% |
| 20 | 4.073 | 847 | 850 | 853 | rBV2 | 228 | 197 | 0.01% | 0.002% |
| 21 | 4.121 | 860 | 865 | 872 | rBV2 | 211 | 281 | 0.02% | 0.003% |
| 22 | 4.157 | 872 | 876 | 879 | rBV2 | 311 | 286 | 0.02% | 0.003% |
| 23 | 4.221 | 893 | 896 | 901 | rVB | 249 | 204 | 0.01% | 0.002% |
| 24 | 4.272 | 906 | 912 | 913 | rBV | 311 | 205 | 0.01% | 0.002% |
| 25 | 4.623 | 1009 | 1021 | 1050 | rBV | 163073 | 402873 | 26.55% | 3.769% |
| 26 | 5.063 | 1141 | 1158 | 1184 | rBV | 276803 | 603213 | 39.75% | 5.643% |
| 27 | 5.179 | 1190 | 1194 | 1196 | rBV5 | 325 | 229 | 0.02% | 0.002% |
| 28 | 5.292 | 1219 | 1229 | 1235 | rBV4 | 1456 | 2511 | 0.17% | 0.023% |
| 29 | 5.375 | 1246 | 1255 | 1265 | rBV4 | 760 | 1334 | 0.09% | 0.012% |
| 30 | 5.417 | 1265 | 1268 | 1273 | rVB | 258 | 231 | 0.02% | 0.002% |
| 31 | 5.526 | 1299 | 1302 | 1306 | rVB3 | 269 | 209 | 0.01% | 0.002% |
| 32 | 5.571 | 1312 | 1316 | 1319 | rBV | 224 | 181 | 0.01% | 0.002% |
| 33 | 5.723 | 1339 | 1363 | 1402 | rBV2 | 562082 | 1517591 | 100.00% | 14.196% |
| 34 | 5.887 | 1412 | 1414 | 1419 | rVB | 489 | 330 | 0.02% | 0.003% |
| 35 | 5.970 | 1437 | 1440 | 1444 | rBV3 | 434 | 375 | 0.02% | 0.004% |
| 36 | 6.044 | 1460 | 1463 | 1468 | rVB2 | 535 | 559 | 0.04% | 0.005% |

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Acq On : 26 Aug 2022 17:13
Operator : SY/MD
Sample : N4322-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EY180

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\SFAMULM082422WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.073 | 1468 | 1472 | 1475 | rBV | 268 | 252 | 0.02% | 0.002% |
| 38 | 6.121 | 1480 | 1487 | 1490 | rBV3 | 611 | 706 | 0.05% | 0.007% |
| 39 | 6.153 | 1494 | 1497 | 1499 | rBV2 | 300 | 223 | 0.01% | 0.002% |
| 40 | 6.169 | 1499 | 1502 | 1506 | rVB2 | 251 | 199 | 0.01% | 0.002% |
| 41 | 6.250 | 1513 | 1527 | 1554 | rBV | 384011 | 727553 | 47.94% | 6.806% |
| 42 | 6.404 | 1572 | 1575 | 1577 | rBV3 | 475 | 233 | 0.02% | 0.002% |
| 43 | 6.546 | 1605 | 1619 | 1630 | rBV3 | 18605 | 34300 | 2.26% | 0.321% |
| 44 | 6.690 | 1649 | 1664 | 1685 | rBV | 361366 | 699671 | 46.10% | 6.545% |
| 45 | 6.809 | 1699 | 1701 | 1709 | rVB4 | 1315 | 1421 | 0.09% | 0.013% |
| 46 | 6.854 | 1709 | 1715 | 1717 | rBV3 | 475 | 535 | 0.04% | 0.005% |
| 47 | 7.231 | 1827 | 1832 | 1835 | rBV2 | 205 | 197 | 0.01% | 0.002% |
| 48 | 7.269 | 1842 | 1844 | 1851 | rVB2 | 315 | 308 | 0.02% | 0.003% |
| 49 | 7.308 | 1851 | 1856 | 1859 | rBV2 | 203 | 193 | 0.01% | 0.002% |
| 50 | 7.440 | 1894 | 1897 | 1900 | rVB | 355 | 233 | 0.02% | 0.002% |
| 51 | 7.565 | 1924 | 1936 | 1952 | rBV | 170615 | 301958 | 19.90% | 2.825% |
| 52 | 7.745 | 1988 | 1992 | 1994 | rBV3 | 283 | 210 | 0.01% | 0.002% |
| 53 | 7.790 | 2004 | 2006 | 2011 | rBV2 | 347 | 308 | 0.02% | 0.003% |
| 54 | 7.825 | 2014 | 2017 | 2021 | rVB2 | 356 | 213 | 0.01% | 0.002% |
| 55 | 7.899 | 2026 | 2040 | 2069 | rBV | 624626 | 1079635 | 71.14% | 10.100% |
| 56 | 8.102 | 2100 | 2103 | 2106 | rVB2 | 343 | 202 | 0.01% | 0.002% |
| 57 | 8.179 | 2111 | 2127 | 2145 | rBV | 116424 | 199862 | 13.17% | 1.870% |
| 58 | 8.555 | 2237 | 2244 | 2251 | rBV6 | 2112 | 2736 | 0.18% | 0.026% |
| 59 | 8.636 | 2256 | 2269 | 2299 | rBV3 | 424059 | 851560 | 56.11% | 7.966% |
| 60 | 8.877 | 2342 | 2344 | 2347 | rVB2 | 368 | 232 | 0.02% | 0.002% |
| 61 | 8.906 | 2351 | 2353 | 2361 | rBV2 | 263 | 213 | 0.01% | 0.002% |
| 62 | 9.166 | 2431 | 2434 | 2439 | rBV2 | 265 | 228 | 0.02% | 0.002% |
| 63 | 9.417 | 2499 | 2512 | 2530 | rBV | 543701 | 905398 | 59.66% | 8.470% |
| 64 | 9.700 | 2598 | 2600 | 2608 | rVB2 | 596 | 574 | 0.04% | 0.005% |
| 65 | 9.745 | 2608 | 2614 | 2621 | rBV2 | 231 | 406 | 0.03% | 0.004% |
| 66 | 9.796 | 2621 | 2630 | 2634 | rBV3 | 396 | 599 | 0.04% | 0.006% |
| 67 | 9.922 | 2665 | 2669 | 2674 | rVB | 341 | 301 | 0.02% | 0.003% |
| 68 | 9.951 | 2674 | 2678 | 2684 | rBV2 | 226 | 250 | 0.02% | 0.002% |
| 69 | 9.976 | 2684 | 2686 | 2690 | rBV | 312 | 292 | 0.02% | 0.003% |
| 70 | 10.034 | 2700 | 2704 | 2706 | rBV | 273 | 217 | 0.01% | 0.002% |
| 71 | 10.359 | 2802 | 2805 | 2813 | rVB2 | 252 | 322 | 0.02% | 0.003% |
| 72 | 10.404 | 2815 | 2819 | 2823 | rBV2 | 231 | 277 | 0.02% | 0.003% |
| 73 | 10.443 | 2828 | 2831 | 2836 | rVV2 | 234 | 200 | 0.01% | 0.002% |
| 74 | 10.758 | 2916 | 2929 | 2953 | rBV | 511409 | 823038 | 54.23% | 7.699% |
| 75 | 10.890 | 2965 | 2970 | 2973 | rBV2 | 447 | 423 | 0.03% | 0.004% |
| 76 | 10.925 | 2978 | 2981 | 2983 | rBV2 | 366 | 193 | 0.01% | 0.002% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
Data File : VU050462.D
Acq On : 26 Aug 2022 17:13
Operator : SY/MD
Sample : N4322-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EY180

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\SFAMULM082422WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 11.111 | 3035 | 3039 | 3046 | rVB3 | 478 | 416 | 0.03% | 0.004% |
| 78 | 11.179 | 3056 | 3060 | 3064 | rVB | 494 | 374 | 0.02% | 0.003% |
| 79 | 11.629 | 3197 | 3200 | 3204 | rVB2 | 556 | 330 | 0.02% | 0.003% |
| 80 | 11.812 | 3245 | 3257 | 3281 | rBV | 404973 | 652430 | 42.99% | 6.103% |
| 81 | 11.954 | 3299 | 3301 | 3305 | rVB4 | 616 | 425 | 0.03% | 0.004% |
| 82 | 12.063 | 3326 | 3335 | 3354 | rVV2 | 27485 | 53048 | 3.50% | 0.496% |
| 83 | 12.195 | 3363 | 3376 | 3397 | rBV | 514903 | 839984 | 55.35% | 7.858% |
| 84 | 12.475 | 3455 | 3463 | 3466 | rBV3 | 489 | 618 | 0.04% | 0.006% |
| 85 | 12.578 | 3493 | 3495 | 3500 | rVB3 | 383 | 240 | 0.02% | 0.002% |
| 86 | 12.822 | 3565 | 3571 | 3574 | rBV2 | 322 | 281 | 0.02% | 0.003% |
| 87 | 12.844 | 3574 | 3578 | 3580 | rBV2 | 455 | 378 | 0.02% | 0.004% |
| 88 | 13.095 | 3653 | 3656 | 3659 | rBV2 | 333 | 246 | 0.02% | 0.002% |
| 89 | 13.179 | 3678 | 3682 | 3684 | rBV | 330 | 263 | 0.02% | 0.002% |
| 90 | 13.298 | 3716 | 3719 | 3722 | rBV2 | 396 | 300 | 0.02% | 0.003% |
| 91 | 13.529 | 3788 | 3791 | 3796 | rBV3 | 398 | 376 | 0.02% | 0.004% |
| 92 | 13.668 | 3830 | 3834 | 3837 | rBV2 | 431 | 393 | 0.03% | 0.004% |
| 93 | 13.777 | 3866 | 3868 | 3874 | rBV2 | 255 | 247 | 0.02% | 0.002% |
| 94 | 13.809 | 3874 | 3878 | 3880 | rBV2 | 439 | 431 | 0.03% | 0.004% |
| 95 | 13.851 | 3887 | 3891 | 3893 | rBV | 381 | 320 | 0.02% | 0.003% |
| 96 | 14.224 | 4003 | 4007 | 4008 | rBV | 333 | 265 | 0.02% | 0.002% |
| 97 | 14.243 | 4011 | 4013 | 4017 | rVB2 | 520 | 333 | 0.02% | 0.003% |
| 98 | 14.385 | 4054 | 4057 | 4058 | rBV | 402 | 253 | 0.02% | 0.002% |
| 99 | 15.201 | 4309 | 4311 | 4315 | rVB2 | 555 | 362 | 0.02% | 0.003% |
| 100 | 15.706 | 4465 | 4468 | 4472 | rBV3 | 630 | 516 | 0.03% | 0.005% |

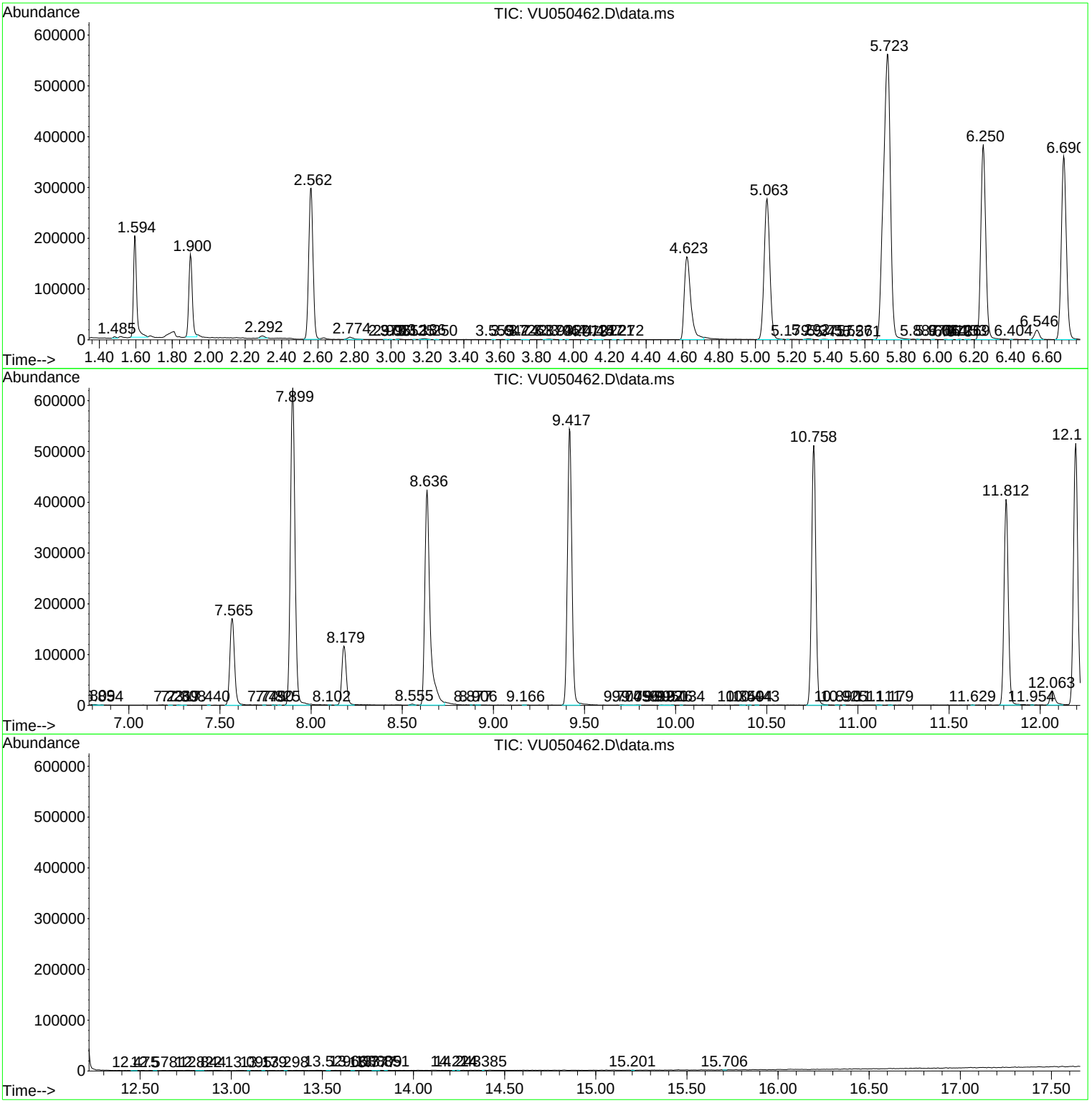
Sum of corrected areas: 10689916

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
Data File : VU050462.D
Acq On : 26 Aug 2022 17:13
Operator : SY/MD
Sample : N4322-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EY180

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
Data File : VU050462.D
Acq On : 26 Aug 2022 17:13
Operator : SY/MD
Sample : N4322-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EY180

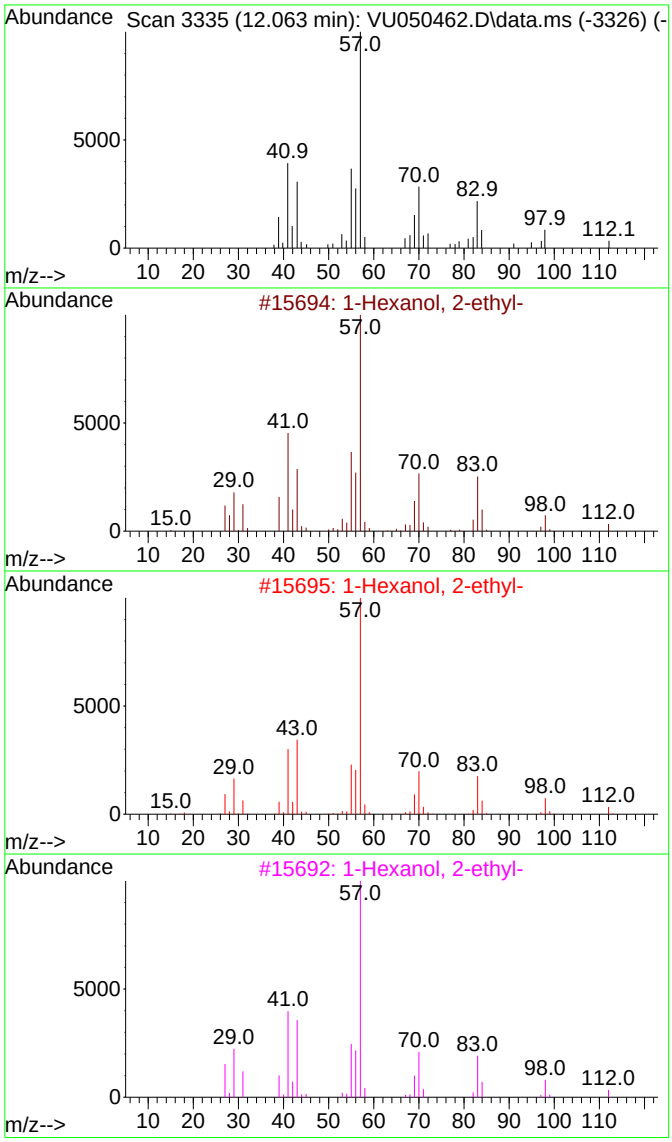
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
Quant Title : VOC Analysis

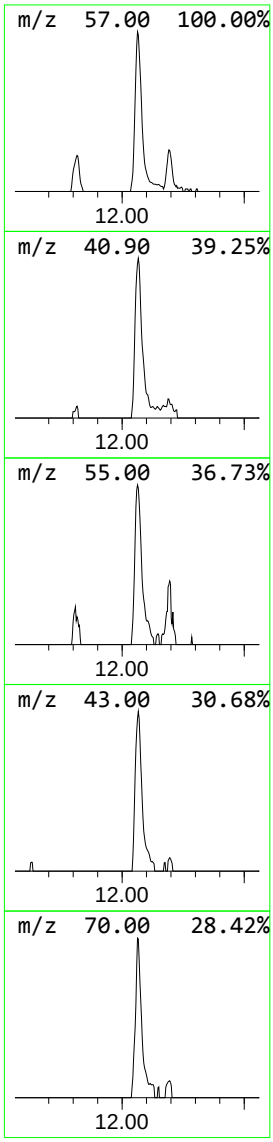
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.063 | 4.07 ug/L | 53048 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 90 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 83 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 72 |
| 4 | Pentadecafluorooctanoic acid, 2-... | 526 | C16H17F15O2 | 1000406-80-9 | 64 |
| 5 | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O | 000106-67-2 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
Data File : VU050462.D
Acq On : 26 Aug 2022 17:13
Operator : SY/MD
Sample : N4322-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EY180

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.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 |
| 1-Hexanol, 2-et... | 12.063 | 4.1 | ug/L | 53048 | 3 | 11.812 | 652430 | 50.0 |