LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
Data File : VU048002.D
Acq On : 13 Apr 2022 14:39
Operator : SY/MD
Sample : N2345-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0J87

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\SFAMULM032422WMA.M
Title : VOC Analysis

Signal : TIC: VU048002.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 | 97 | rBV | 156422 | 188207 | 14.46% | 1.690% |
| 2 | 1.916 | 171 | 179 | 198 | rVB | 133836 | 184843 | 14.21% | 1.660% |
| 3 | 2.568 | 370 | 382 | 399 | rBV | 263335 | 443251 | 34.06% | 3.981% |
| 4 | 2.719 | 426 | 429 | 434 | rVB3 | 468 | 397 | 0.03% | 0.004% |
| 5 | 2.864 | 471 | 474 | 480 | rBV3 | 411 | 468 | 0.04% | 0.004% |
| 6 | 3.018 | 516 | 522 | 524 | rBV3 | 292 | 358 | 0.03% | 0.003% |
| 7 | 3.044 | 524 | 530 | 531 | rBV3 | 578 | 546 | 0.04% | 0.005% |
| 8 | 3.182 | 566 | 573 | 576 | rBV3 | 960 | 1245 | 0.10% | 0.011% |
| 9 | 3.289 | 603 | 606 | 608 | rBV3 | 354 | 276 | 0.02% | 0.002% |
| 10 | 3.356 | 623 | 627 | 628 | rBV2 | 505 | 339 | 0.03% | 0.003% |
| 11 | 3.375 | 630 | 633 | 639 | rVB3 | 766 | 660 | 0.05% | 0.006% |
| 12 | 3.459 | 653 | 659 | 663 | rVB4 | 397 | 470 | 0.04% | 0.004% |
| 13 | 3.507 | 672 | 674 | 677 | rVV3 | 421 | 251 | 0.02% | 0.002% |
| 14 | 3.533 | 679 | 682 | 687 | rVB3 | 376 | 251 | 0.02% | 0.002% |
| 15 | 3.732 | 741 | 744 | 745 | rBV | 308 | 206 | 0.02% | 0.002% |
| 16 | 3.819 | 765 | 771 | 773 | rBV2 | 489 | 394 | 0.03% | 0.004% |
| 17 | 3.871 | 785 | 787 | 791 | rVB2 | 375 | 220 | 0.02% | 0.002% |
| 18 | 4.031 | 834 | 837 | 840 | rVB | 364 | 281 | 0.02% | 0.003% |
| 19 | 4.051 | 840 | 843 | 848 | rBV2 | 369 | 374 | 0.03% | 0.003% |
| 20 | 4.166 | 871 | 879 | 885 | rBV | 367 | 321 | 0.02% | 0.003% |
| 21 | 4.350 | 931 | 936 | 940 | rVB | 332 | 368 | 0.03% | 0.003% |
| 22 | 4.436 | 957 | 963 | 964 | rBV | 237 | 220 | 0.02% | 0.002% |
| 23 | 4.498 | 978 | 982 | 987 | rBV2 | 292 | 233 | 0.02% | 0.002% |
| 24 | 4.565 | 999 | 1003 | 1005 | rBV2 | 274 | 207 | 0.02% | 0.002% |
| 25 | 4.633 | 1010 | 1024 | 1057 | rBV | 131828 | 351206 | 26.99% | 3.154% |
| 26 | 4.890 | 1099 | 1104 | 1106 | rBV2 | 267 | 285 | 0.02% | 0.003% |
| 27 | 5.067 | 1141 | 1159 | 1185 | rBV | 231703 | 508897 | 39.11% | 4.571% |
| 28 | 5.292 | 1224 | 1229 | 1234 | rBV4 | 900 | 1029 | 0.08% | 0.009% |
| 29 | 5.385 | 1254 | 1258 | 1263 | rBV4 | 291 | 285 | 0.02% | 0.003% |
| 30 | 5.726 | 1343 | 1364 | 1398 | rBV2 | 471770 | 1301242 | 100.00% | 11.687% |
| 31 | 6.041 | 1459 | 1462 | 1467 | rVB3 | 319 | 229 | 0.02% | 0.002% |
| 32 | 6.250 | 1512 | 1527 | 1548 | rBV | 410841 | 783967 | 60.25% | 7.041% |
| 33 | 6.526 | 1607 | 1613 | 1616 | rBV4 | 1207 | 1381 | 0.11% | 0.012% |
| 34 | 6.694 | 1648 | 1665 | 1686 | rBV | 293042 | 581236 | 44.67% | 5.221% |
| 35 | 6.800 | 1696 | 1698 | 1700 | rBV3 | 409 | 243 | 0.02% | 0.002% |
| 36 | 7.038 | 1769 | 1772 | 1775 | rBV | 314 | 255 | 0.02% | 0.002% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
Data File : VU048002.D
Acq On : 13 Apr 2022 14:39
Operator : SY/MD
Sample : N2345-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0J87

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\SFAMULM032422WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.182 | 1808 | 1817 | 1826 | rBV4 | 3657 | 6487 | 0.50% | 0.058% |
| 38 | 7.237 | 1832 | 1834 | 1841 | rVB3 | 510 | 413 | 0.03% | 0.004% |
| 39 | 7.449 | 1895 | 1900 | 1903 | rBV3 | 366 | 290 | 0.02% | 0.003% |
| 40 | 7.568 | 1924 | 1937 | 1956 | rBV | 154001 | 273829 | 21.04% | 2.459% |
| 41 | 7.687 | 1966 | 1974 | 1986 | rBV4 | 2285 | 4463 | 0.34% | 0.040% |
| 42 | 7.806 | 2008 | 2011 | 2015 | rVB2 | 517 | 358 | 0.03% | 0.003% |
| 43 | 7.835 | 2015 | 2020 | 2026 | rVB4 | 393 | 438 | 0.03% | 0.004% |
| 44 | 7.899 | 2026 | 2040 | 2057 | rBV | 594104 | 1030340 | 79.18% | 9.254% |
| 45 | 8.182 | 2114 | 2128 | 2143 | rBV | 107464 | 185297 | 14.24% | 1.664% |
| 46 | 8.356 | 2177 | 2182 | 2185 | rBV3 | 1289 | 1324 | 0.10% | 0.012% |
| 47 | 8.385 | 2189 | 2191 | 2195 | rBV4 | 337 | 254 | 0.02% | 0.002% |
| 48 | 8.475 | 2208 | 2219 | 2231 | rVB3 | 2991 | 5076 | 0.39% | 0.046% |
| 49 | 8.636 | 2255 | 2269 | 2301 | rBV | 438736 | 791499 | 60.83% | 7.109% |
| 50 | 9.021 | 2386 | 2389 | 2395 | rVB3 | 424 | 389 | 0.03% | 0.003% |
| 51 | 9.050 | 2396 | 2398 | 2404 | rVB | 423 | 243 | 0.02% | 0.002% |
| 52 | 9.166 | 2428 | 2434 | 2440 | rVB3 | 542 | 618 | 0.05% | 0.006% |
| 53 | 9.247 | 2455 | 2459 | 2460 | rBV | 311 | 243 | 0.02% | 0.002% |
| 54 | 9.259 | 2460 | 2463 | 2465 | rVV2 | 346 | 246 | 0.02% | 0.002% |
| 55 | 9.359 | 2490 | 2494 | 2498 | rBV3 | 597 | 450 | 0.03% | 0.004% |
| 56 | 9.417 | 2498 | 2512 | 2547 | rBV | 614956 | 1058606 | 81.35% | 9.508% |
| 57 | 9.571 | 2555 | 2560 | 2565 | rBV4 | 384 | 435 | 0.03% | 0.004% |
| 58 | 9.693 | 2590 | 2598 | 2606 | rBV4 | 1138 | 1711 | 0.13% | 0.015% |
| 59 | 10.099 | 2719 | 2724 | 2731 | rVV4 | 867 | 1054 | 0.08% | 0.009% |
| 60 | 10.214 | 2756 | 2760 | 2764 | rBV3 | 346 | 345 | 0.03% | 0.003% |
| 61 | 10.234 | 2764 | 2766 | 2769 | rVB | 517 | 238 | 0.02% | 0.002% |
| 62 | 10.285 | 2778 | 2782 | 2786 | rBV2 | 299 | 250 | 0.02% | 0.002% |
| 63 | 10.410 | 2817 | 2821 | 2826 | rBV3 | 361 | 314 | 0.02% | 0.003% |
| 64 | 10.545 | 2858 | 2863 | 2864 | rBV2 | 300 | 275 | 0.02% | 0.002% |
| 65 | 10.581 | 2868 | 2874 | 2875 | rBV | 329 | 283 | 0.02% | 0.003% |
| 66 | 10.671 | 2895 | 2902 | 2908 | rVV5 | 2151 | 3031 | 0.23% | 0.027% |
| 67 | 10.758 | 2908 | 2929 | 2949 | rVV | 443491 | 720814 | 55.39% | 6.474% |
| 68 | 10.893 | 2958 | 2971 | 2983 | rVB2 | 4686 | 8577 | 0.66% | 0.077% |
| 69 | 11.028 | 3009 | 3013 | 3018 | rBV3 | 350 | 388 | 0.03% | 0.003% |
| 70 | 11.092 | 3028 | 3033 | 3036 | rVB3 | 378 | 282 | 0.02% | 0.003% |
| 71 | 11.111 | 3036 | 3039 | 3042 | rBV2 | 486 | 307 | 0.02% | 0.003% |
| 72 | 11.237 | 3076 | 3078 | 3083 | rBV3 | 267 | 252 | 0.02% | 0.002% |
| 73 | 11.298 | 3095 | 3097 | 3103 | rVB2 | 317 | 222 | 0.02% | 0.002% |
| 74 | 11.356 | 3111 | 3115 | 3117 | rBV2 | 325 | 240 | 0.02% | 0.002% |
| 75 | 11.459 | 3140 | 3147 | 3159 | rBV6 | 1811 | 3512 | 0.27% | 0.032% |
| 76 | 11.693 | 3216 | 3220 | 3221 | rBV2 | 600 | 379 | 0.03% | 0.003% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
Data File : VU048002.D
Acq On : 13 Apr 2022 14:39
Operator : SY/MD
Sample : N2345-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0J87

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\SFAMULM032422WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 11.812 | 3242 | 3257 | 3285 | rBV | 695285 | 1106178 | 85.01% | 9.935% |
| 78 | 11.954 | 3293 | 3301 | 3315 | rVB9 | 4935 | 9240 | 0.71% | 0.083% |
| 79 | 12.063 | 3325 | 3335 | 3349 | rBV3 | 14814 | 29548 | 2.27% | 0.265% |
| 80 | 12.195 | 3358 | 3376 | 3393 | rBV | 620605 | 1021952 | 78.54% | 9.179% |
| 81 | 12.404 | 3438 | 3441 | 3443 | rBV2 | 385 | 315 | 0.02% | 0.003% |
| 82 | 12.674 | 3520 | 3525 | 3530 | rBV | 344 | 417 | 0.03% | 0.004% |
| 83 | 12.777 | 3551 | 3557 | 3563 | rVB2 | 1463 | 1971 | 0.15% | 0.018% |
| 84 | 12.828 | 3571 | 3573 | 3575 | rBV2 | 414 | 214 | 0.02% | 0.002% |
| 85 | 12.970 | 3605 | 3617 | 3628 | rVB5 | 8608 | 14975 | 1.15% | 0.135% |
| 86 | 13.070 | 3644 | 3648 | 3651 | rBV2 | 342 | 288 | 0.02% | 0.003% |
| 87 | 13.115 | 3659 | 3662 | 3666 | rBV3 | 542 | 353 | 0.03% | 0.003% |
| 88 | 13.330 | 3722 | 3729 | 3737 | rBV2 | 6104 | 8809 | 0.68% | 0.079% |
| 89 | 13.378 | 3738 | 3744 | 3756 | rVB4 | 7102 | 10742 | 0.83% | 0.096% |
| 90 | 13.465 | 3768 | 3771 | 3773 | rBV3 | 499 | 409 | 0.03% | 0.004% |
| 91 | 14.063 | 3954 | 3957 | 3959 | rBV3 | 793 | 572 | 0.04% | 0.005% |
| 92 | 14.307 | 4030 | 4033 | 4035 | rBV | 367 | 245 | 0.02% | 0.002% |
| 93 | 14.330 | 4036 | 4040 | 4043 | rVV3 | 983 | 947 | 0.07% | 0.009% |
| 94 | 14.362 | 4045 | 4050 | 4061 | rVB5 | 3198 | 4581 | 0.35% | 0.041% |
| 95 | 14.494 | 4085 | 4091 | 4100 | rBV6 | 2033 | 2847 | 0.22% | 0.026% |
| 96 | 15.018 | 4252 | 4254 | 4260 | rVB4 | 623 | 468 | 0.04% | 0.004% |
| 97 | 15.545 | 4407 | 4418 | 4433 | rBV2 | 81106 | 125429 | 9.64% | 1.127% |
| 98 | 15.893 | 4515 | 4526 | 4540 | rVB8 | 9478 | 24832 | 1.91% | 0.223% |
| 99 | 16.388 | 4670 | 4680 | 4692 | rBV | 163628 | 268314 | 20.62% | 2.410% |
| 100 | 17.346 | 4972 | 4978 | 4993 | rVB5 | 24243 | 41624 | 3.20% | 0.374% |

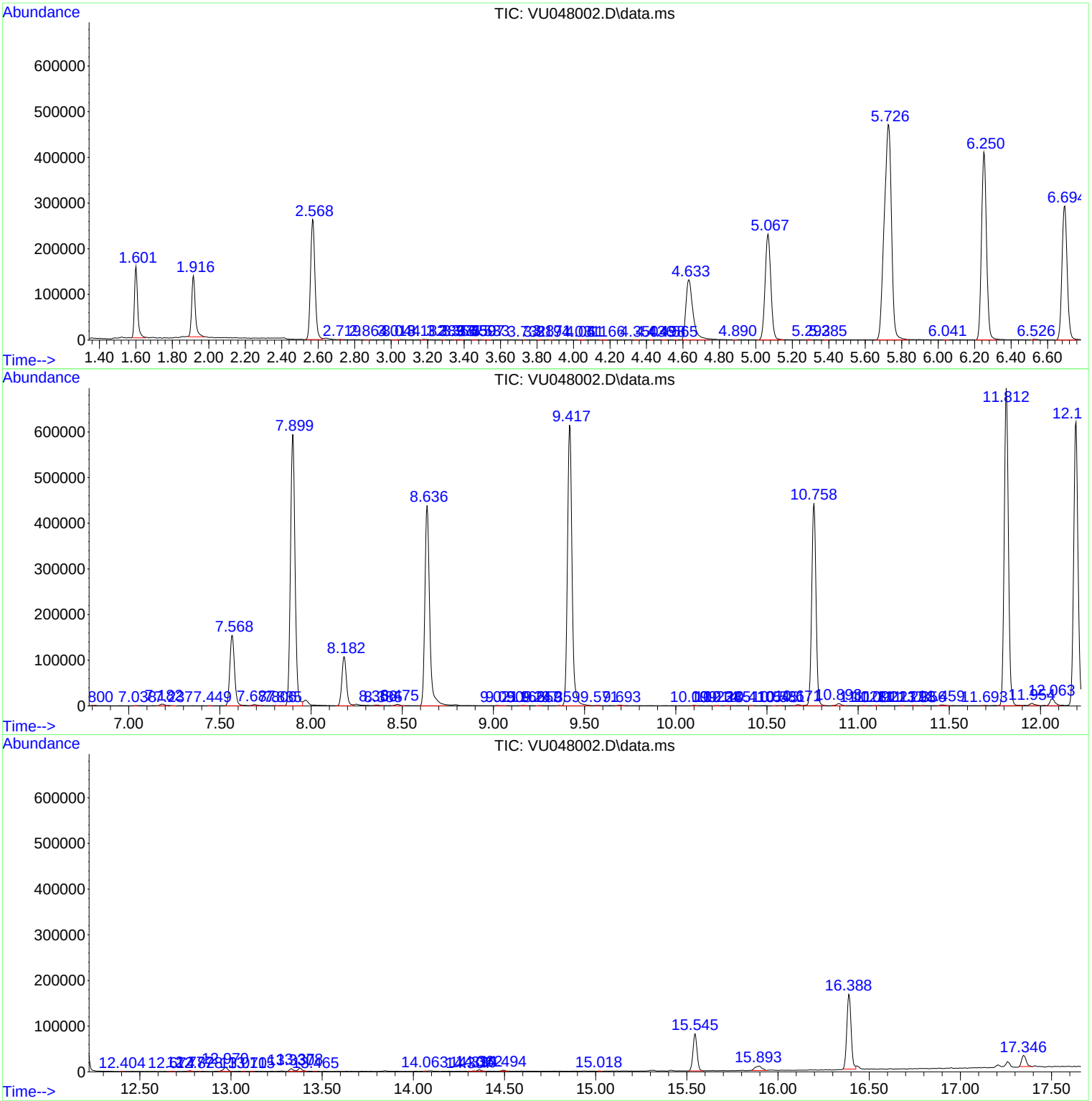
Sum of corrected areas: 11133683

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
Data File : VU048002.D
Acq On : 13 Apr 2022 14:39
Operator : SY/MD
Sample : N2345-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0J87

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
Data File : VU048002.D
Acq On : 13 Apr 2022 14:39
Operator : SY/MD
Sample : N2345-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0J87

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis

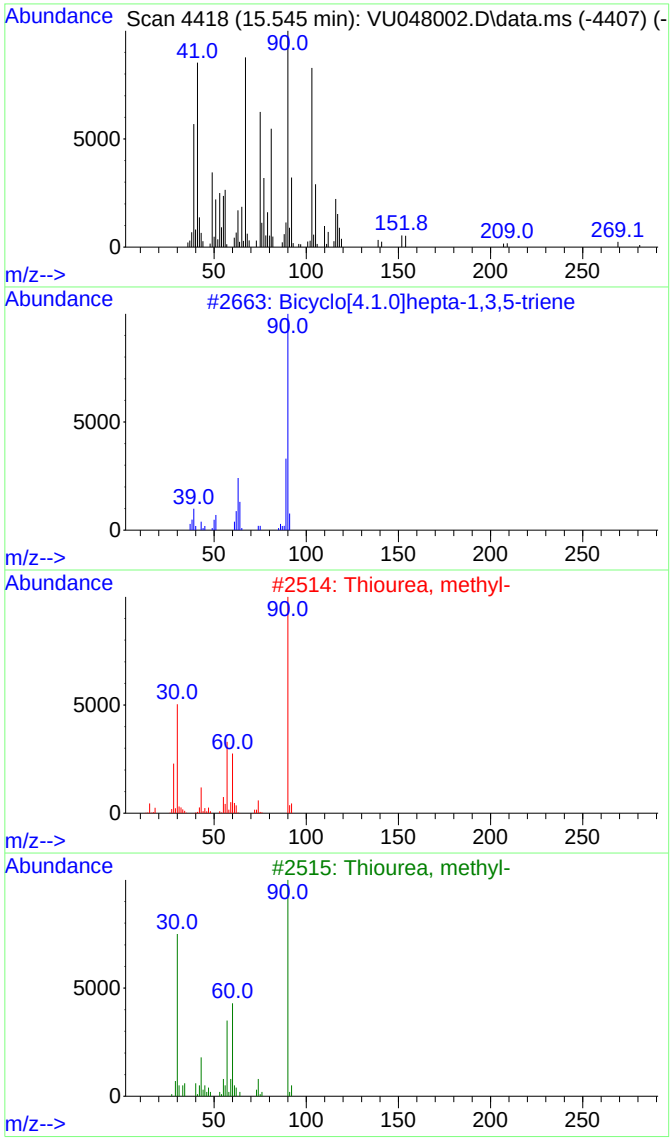
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

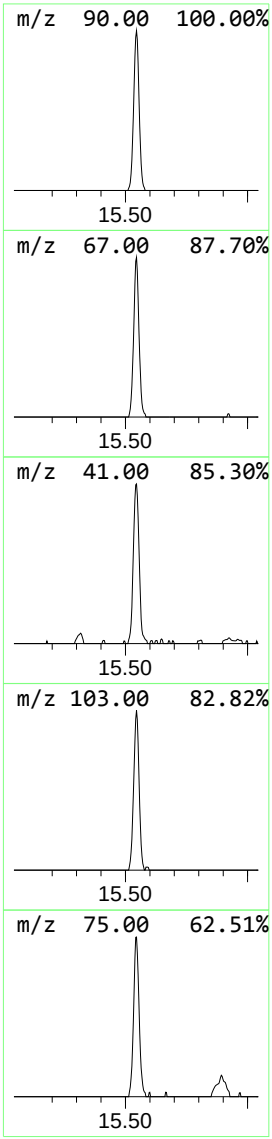
**********

Peak Number 2 unknown-01 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.545 | 5.67 ug/L | 125429 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[4.1.0]hepta-1,3,5-triene | 90 | C7H6 | 004646-69-9 | 38 |
| 2 | Thiourea, methyl- | 90 | C2H6N2S | 000598-52-7 | 35 |
| 3 | Thiourea, methyl- | 90 | C2H6N2S | 000598-52-7 | 35 |
| 4 | 1,3,5-Trichloro-4-methyl-2-penta... | 202 | C6H9Cl3O | 1000140-03-8 | 28 |
| 5 | Propane, 2-(methylthio)- | 90 | C4H10S | 001551-21-9 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
Data File : VU048002.D
Acq On : 13 Apr 2022 14:39
Operator : SY/MD
Sample : N2345-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0J87

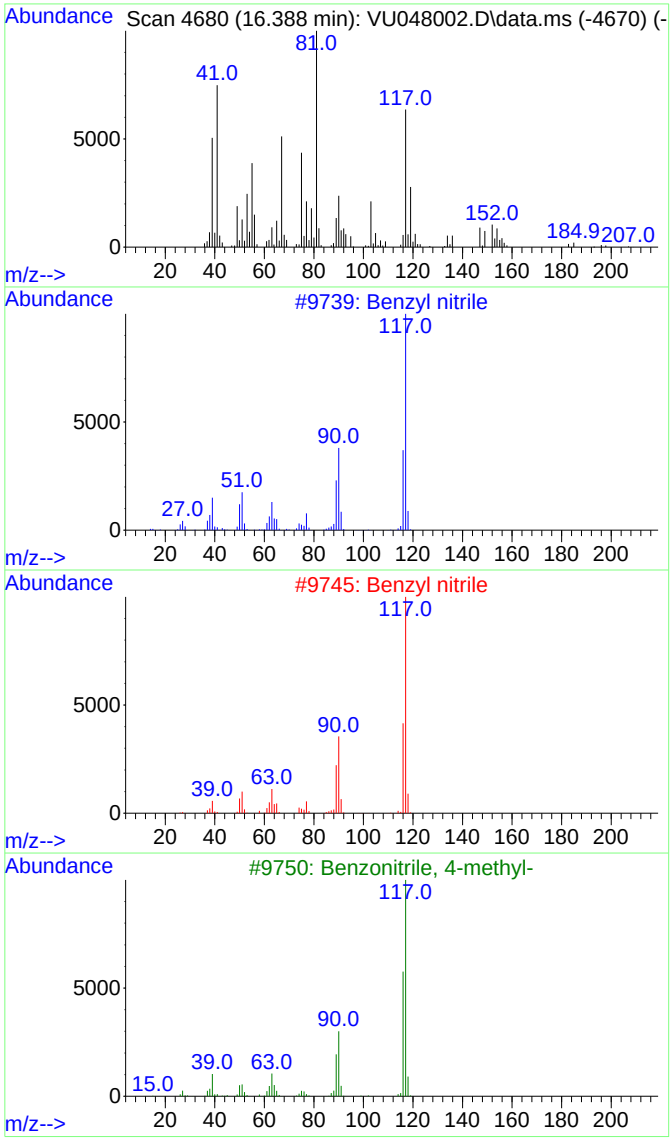
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis

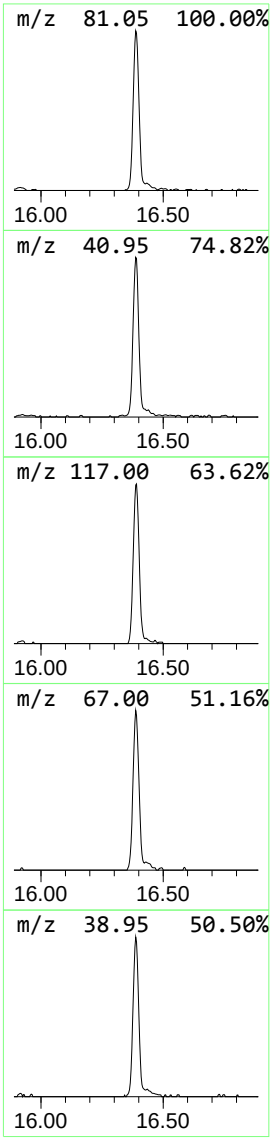
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 unknown-02 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.388 | 12.13 ug/L | 268314 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 2 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 3 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 25 |
| 4 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 15 |
| 5 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 15 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
Data File : VU048002.D
Acq On : 13 Apr 2022 14:39
Operator : SY/MD
Sample : N2345-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0J87

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.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 |
| unknown-01 | 15.545 | 5.7 | ug/L | 125429 | 3 | 11.812 | 1106180 | 50.0 |
| unknown-02 | 16.388 | 12.1 | ug/L | 268314 | 3 | 11.812 | 1106180 | 50.0 |