LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

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\SOMULM061719WMA.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 | 1.180 | 24 | 28 | 38 | rVB | 7672 | 6735 | 0.05% | 0.021% |
| 2 | 1.396 | 88 | 95 | 107 | rVB2 | 213896 | 234333 | 1.58% | 0.748% |
| 3 | 1.675 | 174 | 182 | 197 | rVV | 97181 | 120118 | 0.81% | 0.383% |
| 4 | 1.743 | 197 | 203 | 216 | rVB | 10590 | 13359 | 0.09% | 0.043% |
| 5 | 2.273 | 356 | 368 | 392 | rVB3 | 402731 | 750062 | 5.06% | 2.394% |
| 6 | 2.547 | 451 | 453 | 456 | rVB | 545 | 262 | 0.00% | 0.001% |
| 7 | 2.617 | 468 | 475 | 488 | rVB2 | 2666 | 4392 | 0.03% | 0.014% |
| 8 | 2.695 | 491 | 499 | 510 | rBV3 | 5093 | 8295 | 0.06% | 0.026% |
| 9 | 2.762 | 517 | 520 | 523 | rBV | 319 | 275 | 0.00% | 0.001% |
| 10 | 2.875 | 552 | 555 | 561 | rVB4 | 448 | 380 | 0.00% | 0.001% |
| 11 | 2.907 | 561 | 565 | 570 | rBV2 | 197 | 251 | 0.00% | 0.001% |
| 12 | 2.977 | 570 | 587 | 612 | rBV | 288437 | 528128 | 3.56% | 1.686% |
| 13 | 3.174 | 645 | 648 | 651 | rVV2 | 402 | 345 | 0.00% | 0.001% |
| 14 | 3.206 | 656 | 658 | 667 | rVB3 | 672 | 763 | 0.01% | 0.002% |
| 15 | 3.399 | 715 | 718 | 719 | rVV | 453 | 238 | 0.00% | 0.001% |
| 16 | 3.421 | 723 | 725 | 727 | rVV2 | 438 | 249 | 0.00% | 0.001% |
| 17 | 3.431 | 727 | 728 | 733 | rVB2 | 342 | 239 | 0.00% | 0.001% |
| 18 | 3.627 | 785 | 789 | 790 | rBV | 368 | 274 | 0.00% | 0.001% |
| 19 | 3.785 | 835 | 838 | 844 | rVB2 | 295 | 249 | 0.00% | 0.001% |
| 20 | 3.868 | 860 | 864 | 867 | rBV3 | 339 | 273 | 0.00% | 0.001% |
| 21 | 4.042 | 913 | 918 | 920 | rBV2 | 267 | 288 | 0.00% | 0.001% |
| 22 | 4.087 | 928 | 932 | 935 | rBV4 | 329 | 235 | 0.00% | 0.001% |
| 23 | 4.215 | 940 | 972 | 1022 | rBV | 6096291 | 14820553 | 100.00% | 47.309% |
| 24 | 4.640 | 1088 | 1104 | 1127 | rBV | 154408 | 356743 | 2.41% | 1.139% |
| 25 | 5.148 | 1257 | 1262 | 1265 | rVB2 | 346 | 269 | 0.00% | 0.001% |
| 26 | 5.331 | 1295 | 1319 | 1348 | rBV2 | 308131 | 909997 | 6.14% | 2.905% |
| 27 | 5.547 | 1374 | 1386 | 1399 | rBV | 6181 | 12863 | 0.09% | 0.041% |
| 28 | 5.813 | 1466 | 1469 | 1475 | rBV4 | 355 | 350 | 0.00% | 0.001% |
| 29 | 5.881 | 1476 | 1490 | 1514 | rBV | 279268 | 547167 | 3.69% | 1.747% |
| 30 | 6.180 | 1566 | 1583 | 1610 | rBV | 2743618 | 5167912 | 34.87% | 16.497% |
| 31 | 6.325 | 1615 | 1628 | 1647 | rVB | 208656 | 415259 | 2.80% | 1.326% |
| 32 | 6.421 | 1651 | 1658 | 1668 | rVB | 5487 | 9608 | 0.06% | 0.031% |
| 33 | 6.527 | 1686 | 1691 | 1696 | rBV3 | 2149 | 3190 | 0.02% | 0.010% |
| 34 | 6.698 | 1731 | 1744 | 1777 | rBV | 710452 | 1252154 | 8.45% | 3.997% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

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\SOMULM061719WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.955 | 1822 | 1824 | 1827 | rBV2 | 549 | 275 | 0.00% | 0.001% |
| 36 | 7.222 | 1894 | 1907 | 1924 | rBV | 119328 | 212405 | 1.43% | 0.678% |
| 37 | 7.415 | 1955 | 1967 | 1991 | rBV | 138256 | 237532 | 1.60% | 0.758% |
| 38 | 7.559 | 1999 | 2012 | 2028 | rBV | 429613 | 742938 | 5.01% | 2.372% |
| 39 | 7.698 | 2050 | 2055 | 2067 | rVB8 | 2049 | 3625 | 0.02% | 0.012% |
| 40 | 7.762 | 2072 | 2075 | 2089 | rVB6 | 1115 | 1805 | 0.01% | 0.006% |
| 41 | 7.842 | 2089 | 2100 | 2122 | rBV2 | 99381 | 172040 | 1.16% | 0.549% |
| 42 | 8.000 | 2146 | 2149 | 2152 | rVB3 | 449 | 315 | 0.00% | 0.001% |
| 43 | 8.022 | 2153 | 2156 | 2160 | rBV2 | 451 | 386 | 0.00% | 0.001% |
| 44 | 8.148 | 2184 | 2195 | 2212 | rBV | 75690 | 124413 | 0.84% | 0.397% |
| 45 | 8.225 | 2212 | 2219 | 2222 | rVV4 | 10559 | 14212 | 0.10% | 0.045% |
| 46 | 8.257 | 2223 | 2229 | 2234 | rVV3 | 29973 | 44492 | 0.30% | 0.142% |
| 47 | 8.305 | 2234 | 2244 | 2264 | rVV | 317842 | 550560 | 3.71% | 1.757% |
| 48 | 8.408 | 2266 | 2276 | 2301 | rVV | 500997 | 798458 | 5.39% | 2.549% |
| 49 | 8.521 | 2303 | 2311 | 2329 | rVB | 31971 | 54356 | 0.37% | 0.174% |
| 50 | 8.752 | 2376 | 2383 | 2384 | rBV2 | 279 | 323 | 0.00% | 0.001% |
| 51 | 8.762 | 2384 | 2386 | 2389 | rVV3 | 362 | 228 | 0.00% | 0.001% |
| 52 | 8.897 | 2414 | 2428 | 2449 | rBV | 348711 | 552596 | 3.73% | 1.764% |
| 53 | 9.083 | 2470 | 2486 | 2513 | rBV | 425989 | 702477 | 4.74% | 2.242% |
| 54 | 9.225 | 2527 | 2530 | 2534 | rVB2 | 455 | 348 | 0.00% | 0.001% |
| 55 | 9.366 | 2566 | 2574 | 2579 | rVB7 | 676 | 932 | 0.01% | 0.003% |
| 56 | 9.511 | 2616 | 2619 | 2621 | rVB | 377 | 255 | 0.00% | 0.001% |
| 57 | 9.601 | 2637 | 2647 | 2662 | rBV4 | 4762 | 9442 | 0.06% | 0.030% |
| 58 | 9.762 | 2688 | 2697 | 2712 | rVV2 | 17147 | 27017 | 0.18% | 0.086% |
| 59 | 9.852 | 2722 | 2725 | 2728 | rBV2 | 415 | 304 | 0.00% | 0.001% |
| 60 | 9.903 | 2736 | 2741 | 2746 | rBV4 | 350 | 534 | 0.00% | 0.002% |
| 61 | 10.231 | 2838 | 2843 | 2846 | rBV4 | 358 | 357 | 0.00% | 0.001% |
| 62 | 10.257 | 2846 | 2851 | 2853 | rBV3 | 316 | 283 | 0.00% | 0.001% |
| 63 | 10.424 | 2891 | 2903 | 2928 | rVB | 302205 | 490686 | 3.31% | 1.566% |
| 64 | 10.678 | 2979 | 2982 | 2986 | rBV3 | 456 | 278 | 0.00% | 0.001% |
| 65 | 10.714 | 2989 | 2993 | 2997 | rVB4 | 368 | 313 | 0.00% | 0.001% |
| 66 | 10.771 | 3008 | 3011 | 3015 | rBV2 | 286 | 231 | 0.00% | 0.001% |
| 67 | 10.881 | 3042 | 3045 | 3049 | rBV2 | 356 | 253 | 0.00% | 0.001% |
| 68 | 10.926 | 3054 | 3059 | 3061 | rBV4 | 324 | 290 | 0.00% | 0.001% |
| 69 | 11.013 | 3082 | 3086 | 3087 | rBV3 | 357 | 322 | 0.00% | 0.001% |
| 70 | 11.099 | 3110 | 3113 | 3117 | rVB2 | 503 | 320 | 0.00% | 0.001% |
| 71 | 11.151 | 3126 | 3129 | 3132 | rBV2 | 333 | 246 | 0.00% | 0.001% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

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\SOMULM061719WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 11.202 | 3141 | 3145 | 3153 | rVB3 | 489 | 581 | 0.00% | 0.002% |
| 73 | 11.321 | 3179 | 3182 | 3184 | rBV3 | 400 | 294 | 0.00% | 0.001% |
| 74 | 11.395 | 3202 | 3205 | 3208 | rVB2 | 515 | 323 | 0.00% | 0.001% |
| 75 | 11.418 | 3208 | 3212 | 3217 | rBV2 | 325 | 408 | 0.00% | 0.001% |
| 76 | 11.479 | 3219 | 3231 | 3255 | rBV | 438605 | 699715 | 4.72% | 2.234% |
| 77 | 11.707 | 3300 | 3302 | 3307 | rVB4 | 367 | 271 | 0.00% | 0.001% |
| 78 | 11.855 | 3335 | 3348 | 3372 | rBV | 424034 | 705720 | 4.76% | 2.253% |
| 79 | 12.112 | 3424 | 3428 | 3431 | rBV4 | 441 | 305 | 0.00% | 0.001% |
| 80 | 12.148 | 3437 | 3439 | 3442 | rBV3 | 374 | 239 | 0.00% | 0.001% |
| 81 | 12.164 | 3442 | 3444 | 3449 | rVB3 | 570 | 396 | 0.00% | 0.001% |
| 82 | 12.186 | 3449 | 3451 | 3454 | rBV2 | 308 | 231 | 0.00% | 0.001% |
| 83 | 12.247 | 3466 | 3470 | 3478 | rVB4 | 699 | 787 | 0.01% | 0.003% |
| 84 | 12.289 | 3479 | 3483 | 3488 | rBV2 | 646 | 521 | 0.00% | 0.002% |
| 85 | 12.315 | 3488 | 3491 | 3495 | rBV3 | 480 | 377 | 0.00% | 0.001% |
| 86 | 12.408 | 3516 | 3520 | 3523 | rBV | 355 | 280 | 0.00% | 0.001% |
| 87 | 12.456 | 3533 | 3535 | 3538 | rBV2 | 412 | 253 | 0.00% | 0.001% |
| 88 | 12.652 | 3592 | 3596 | 3601 | rBV3 | 375 | 277 | 0.00% | 0.001% |
| 89 | 12.967 | 3692 | 3694 | 3697 | rVB3 | 442 | 228 | 0.00% | 0.001% |
| 90 | 13.032 | 3712 | 3714 | 3718 | rVB3 | 737 | 474 | 0.00% | 0.002% |
| 91 | 13.456 | 3844 | 3846 | 3850 | rBV2 | 410 | 247 | 0.00% | 0.001% |
| 92 | 13.543 | 3871 | 3873 | 3878 | rVB3 | 484 | 328 | 0.00% | 0.001% |
| 93 | 13.591 | 3885 | 3888 | 3891 | rBV2 | 602 | 403 | 0.00% | 0.001% |
| 94 | 13.707 | 3921 | 3924 | 3928 | rBV2 | 524 | 436 | 0.00% | 0.001% |
| 95 | 13.784 | 3945 | 3948 | 3952 | rBV2 | 451 | 408 | 0.00% | 0.001% |
| 96 | 13.938 | 3994 | 3996 | 4000 | rBV2 | 370 | 250 | 0.00% | 0.001% |
| 97 | 14.363 | 4126 | 4128 | 4132 | rBV4 | 437 | 321 | 0.00% | 0.001% |
| 98 | 14.398 | 4136 | 4139 | 4142 | rVV2 | 611 | 425 | 0.00% | 0.001% |
| 99 | 14.623 | 4207 | 4209 | 4210 | rBV | 595 | 263 | 0.00% | 0.001% |
| 100 | 15.141 | 4368 | 4370 | 4373 | rBV2 | 680 | 393 | 0.00% | 0.001% |

Sum of corrected areas: 31326809

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
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Acq On : 17 Jun 2019 23:56
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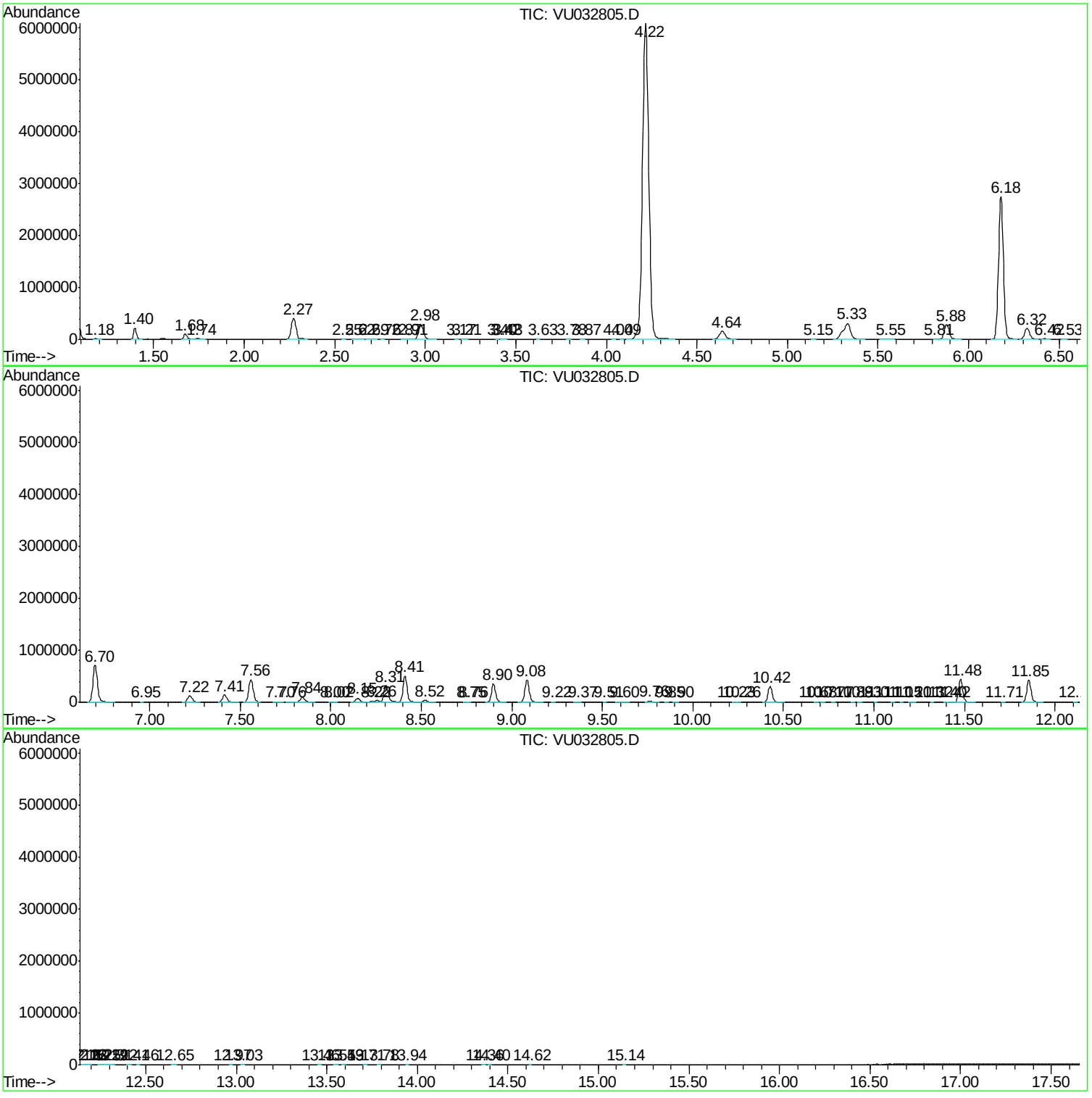
Sample : K3363-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

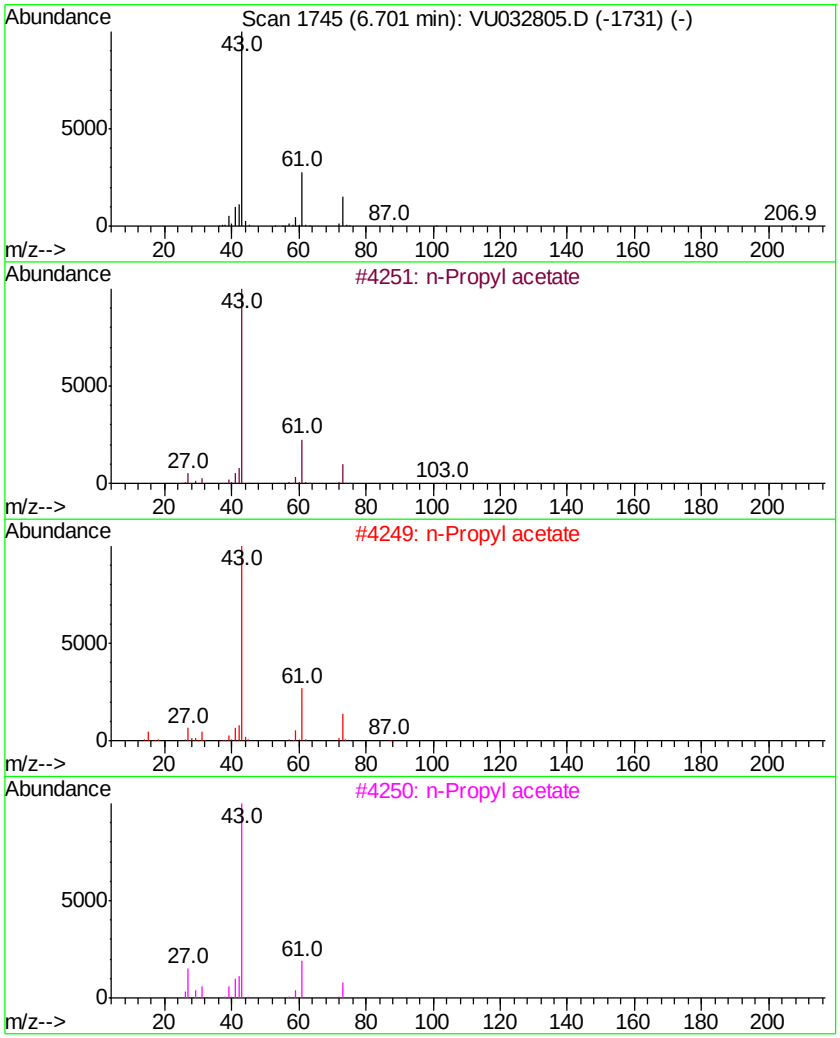
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

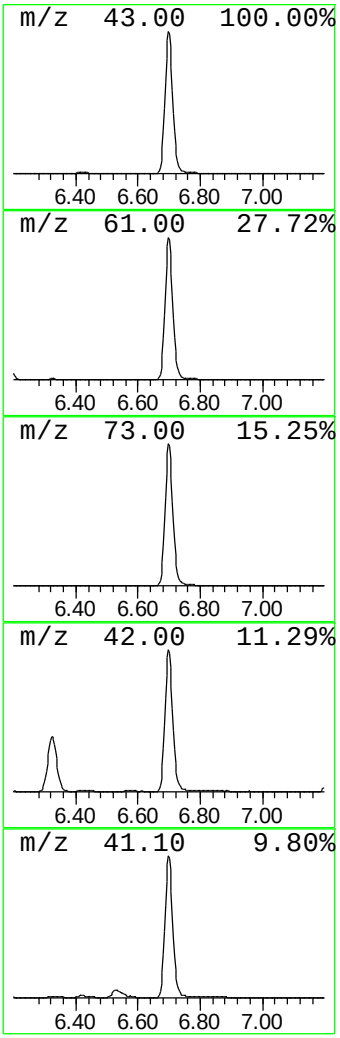
**********

Peak Number 1 n-Propyl acetate Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.70 | 114.42 ug/L | 1252150 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 83 |
| 2 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 78 |
| 3 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 78 |
| 4 | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36 |
| 5 | Isobutylamine | 73 | C4H11N | 000078-81-9 | 9 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

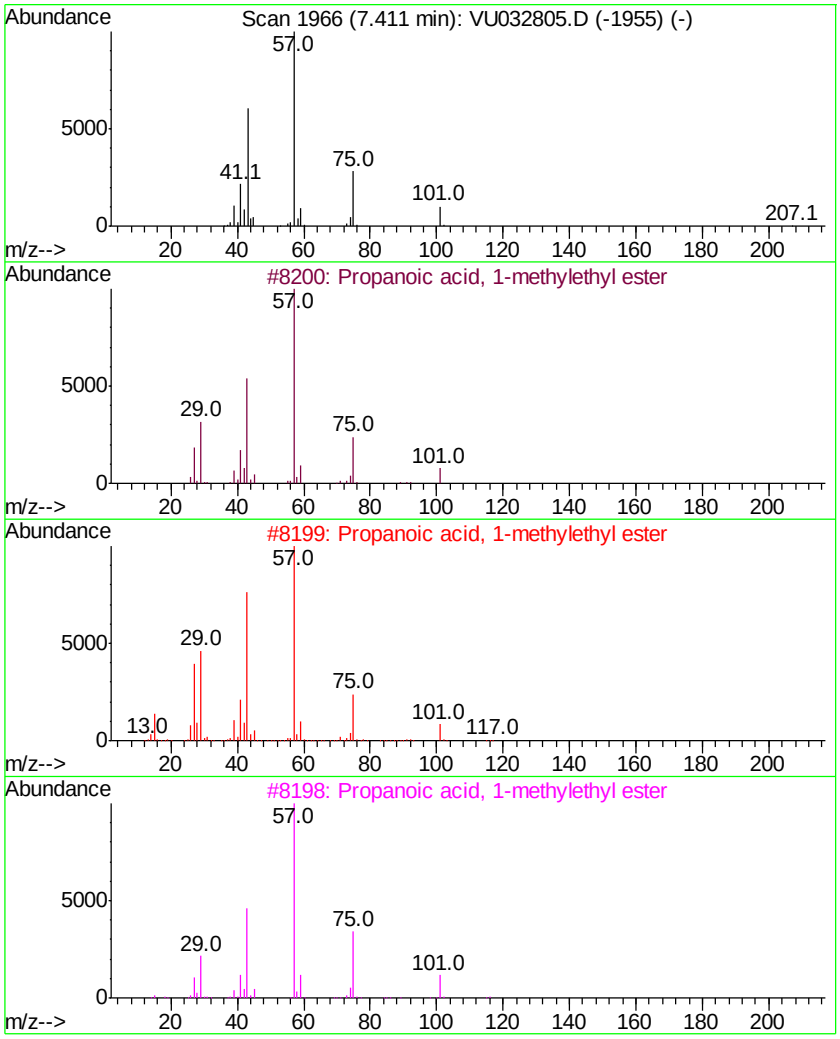
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

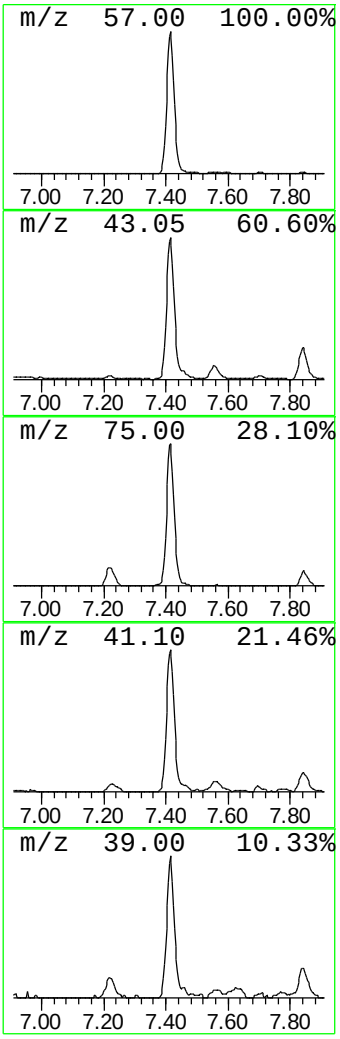
**********

Peak Number 3 Propanoic acid, 1-methyleth... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.41 | 21.71 ug/L | 237532 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 90 |
| 2 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 83 |
| 3 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 64 |
| 4 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 42 |
| 5 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 40 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

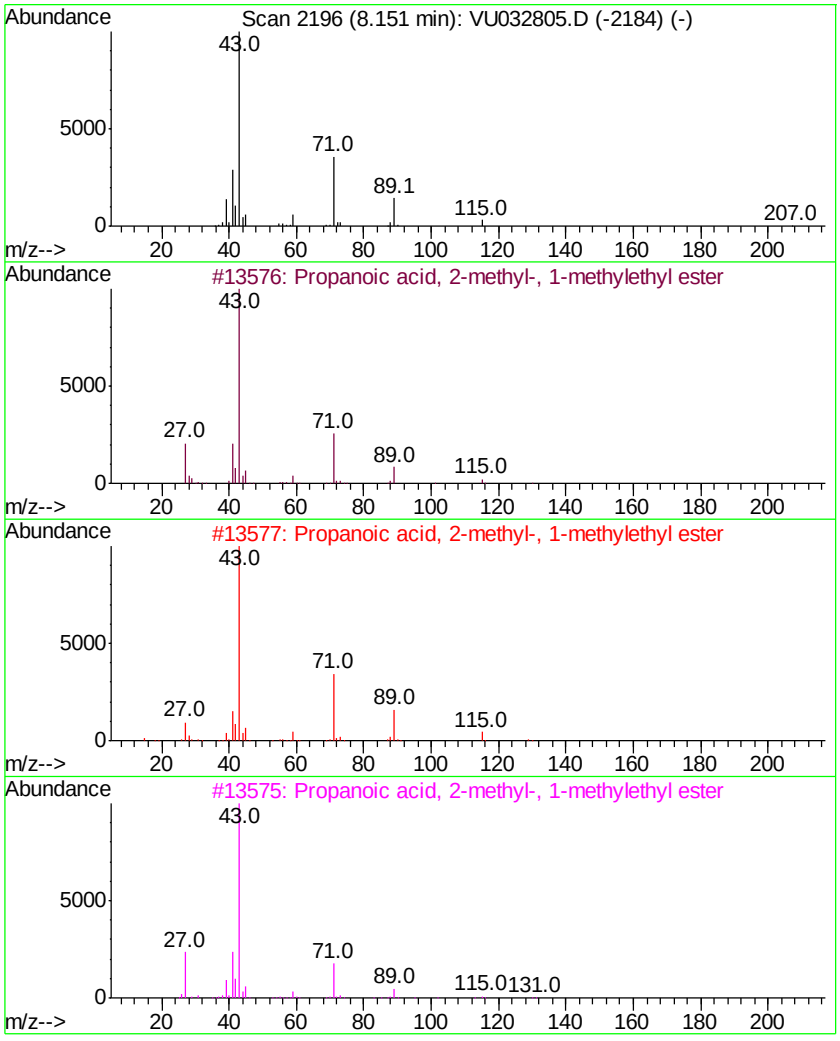
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

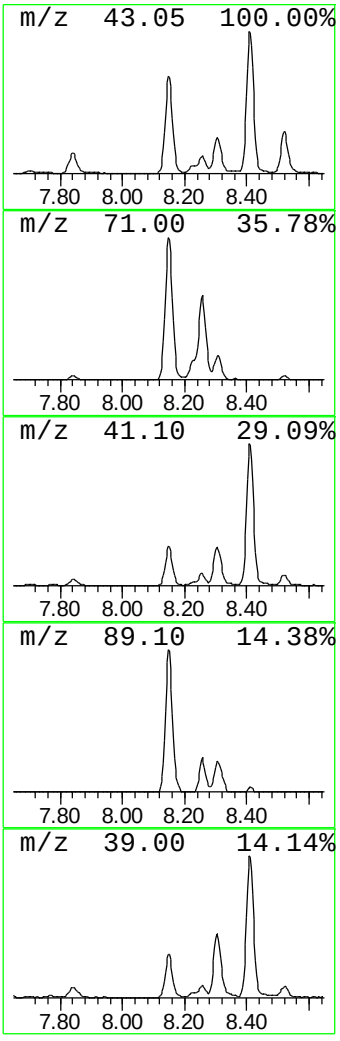
**********

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.15 | 8.86 ug/L | 124413 | Chlorobenzene-d5 | 9.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 83 |
| 2 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 83 |
| 3 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 83 |
| 4 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 72 |
| 5 | N-Hydroxymethylacetamide | 89 | C3H7NO2 | 000625-51-4 | 53 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

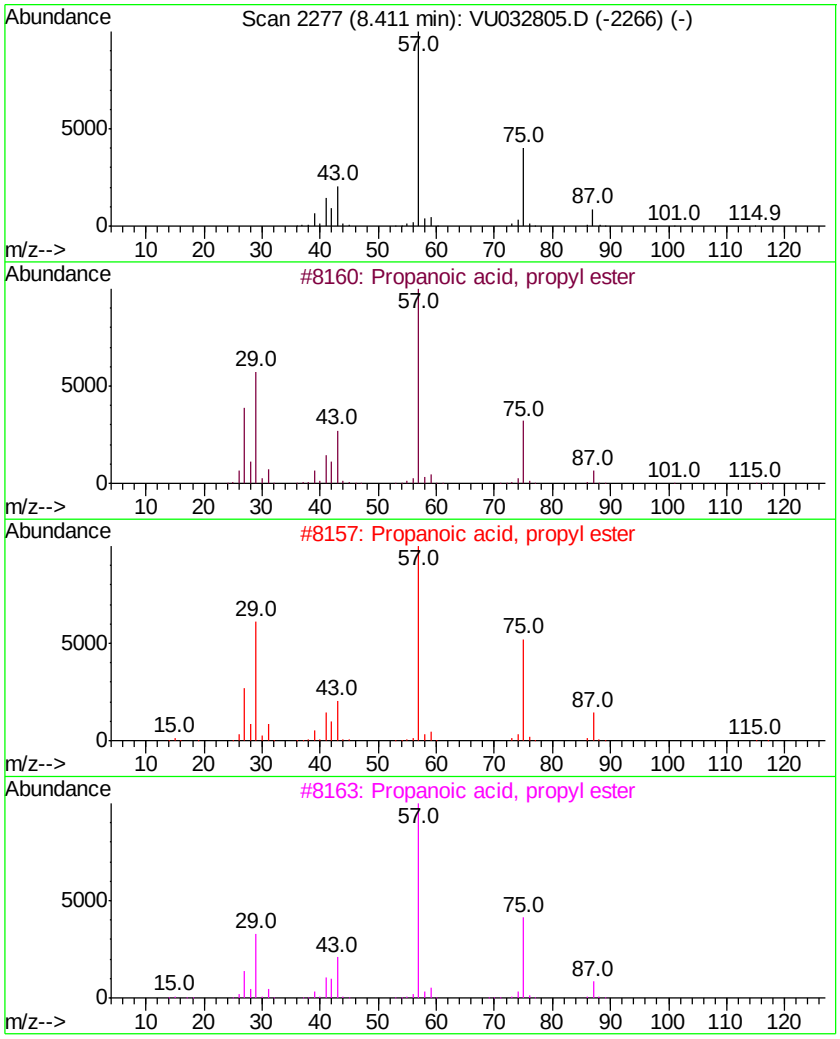
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

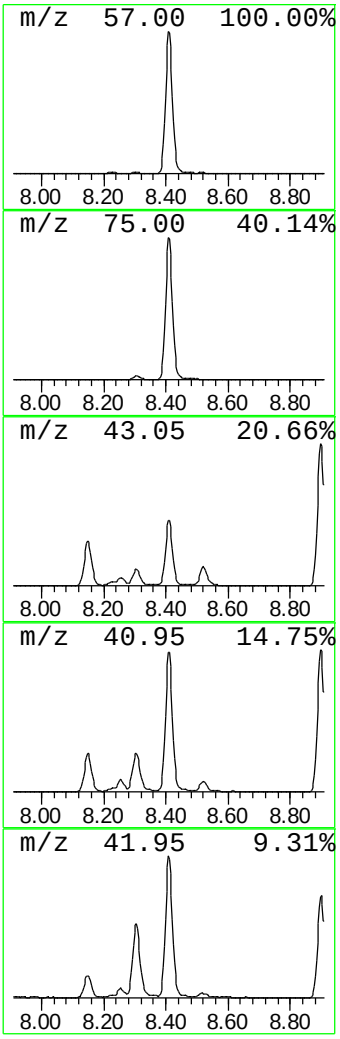
**********

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.41 | 56.83 ug/L | 798458 | Chlorobenzene-d5 | 9.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 2 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 3 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 4 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 78 |
| 5 | Propanoic acid, butyl ester | 130 | C7H14O2 | 000590-01-2 | 38 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

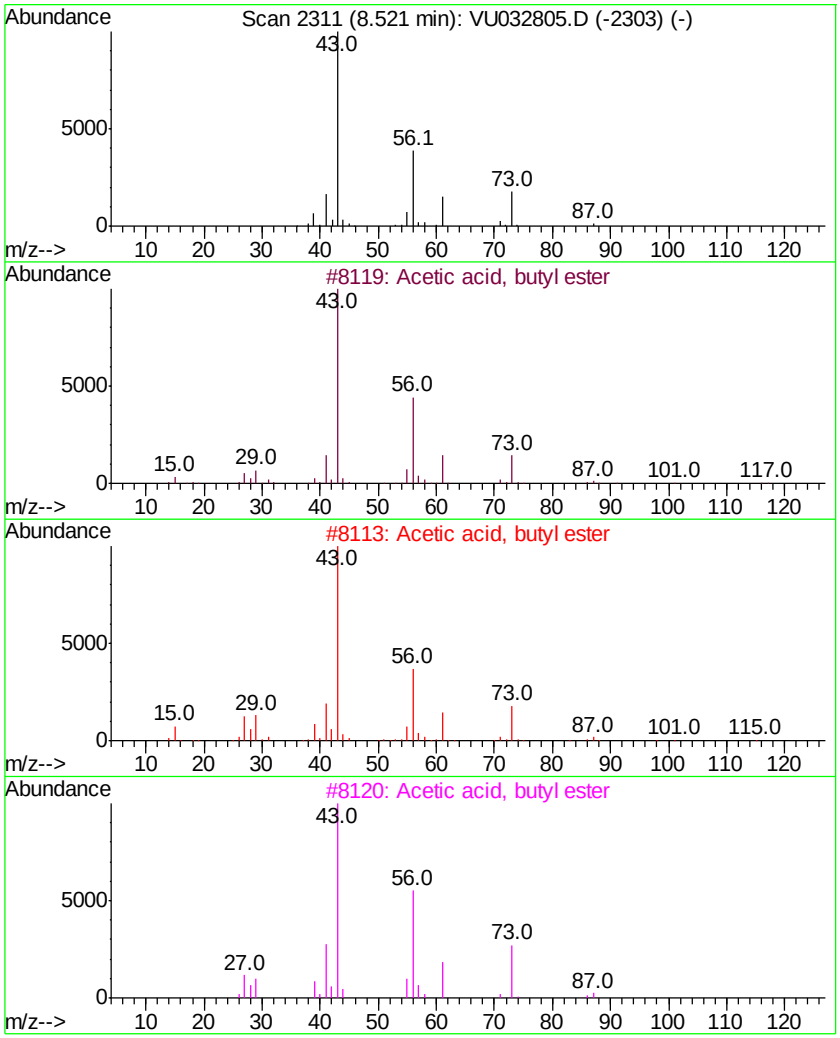
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

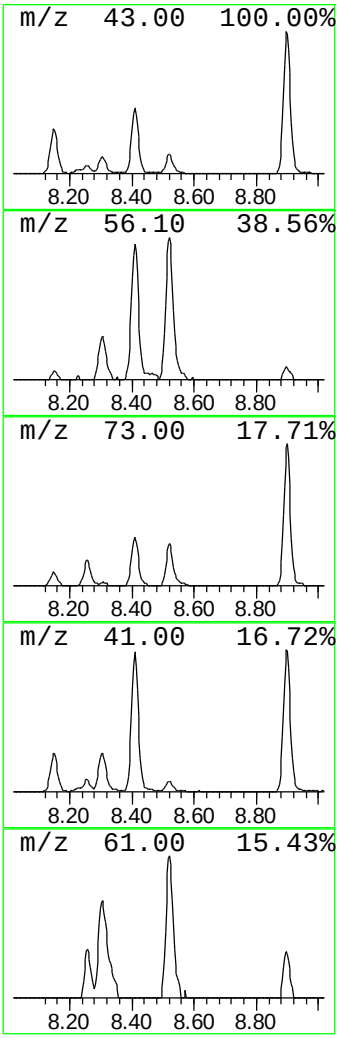
**********

Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.52 | 3.87 ug/L | 54356 | Chlorobenzene-d5 | 9.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 83 |
| 2 | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 78 |
| 3 | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 56 |
| 4 | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 56 |
| 5 | Isobutylamine | 73 | C4H11N | 000078-81-9 | 9 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

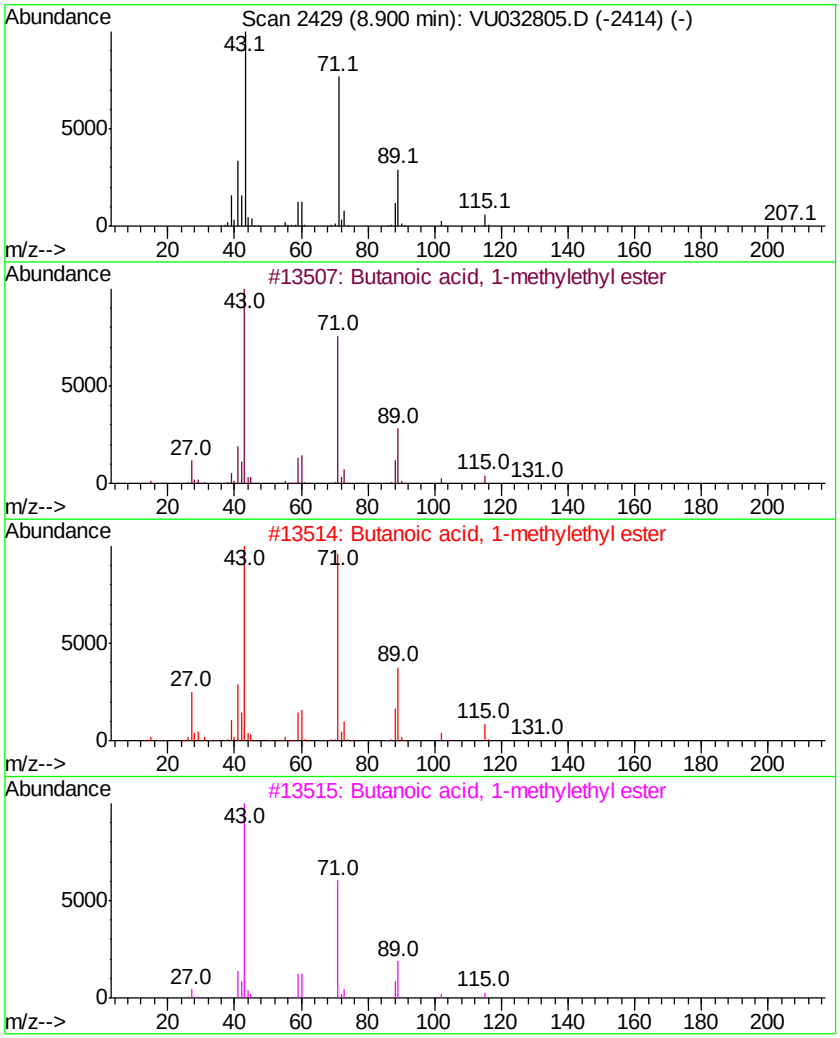
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

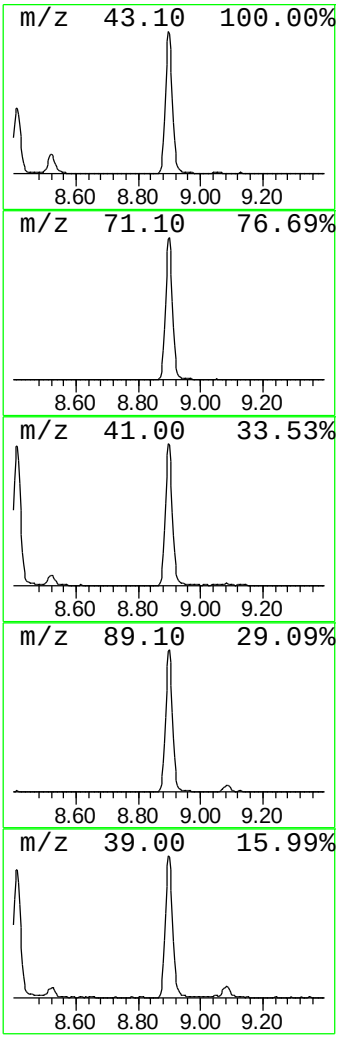
**********

Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.90 | 39.33 ug/L | 552596 | Chlorobenzene-d5 | 9.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 90 |
| 2 | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 90 |
| 3 | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 83 |
| 4 | Butanoic acid, propyl ester | 130 | C7H14O2 | 000105-66-8 | 64 |
| 5 | Propanoic acid, 2-methyl-, penty... | 158 | C9H18O2 | 002445-72-9 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JT6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.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 |
| n-Propyl acetate | 6.70 | 114.4 | ug/L | 1252150 | 1 | 5.88 | 547167 | 50.0 |
| Propanoic acid, 1... | 7.41 | 21.7 | ug/L | 237532 | 1 | 5.88 | 547167 | 50.0 |
| Propanoic acid, 2... | 8.15 | 8.9 | ug/L | 124413 | 2 | 9.08 | 702477 | 50.0 |
| Propanoic acid, p... | 8.41 | 56.8 | ug/L | 798458 | 2 | 9.08 | 702477 | 50.0 |
| Acetic acid, buty... | 8.52 | 3.9 | ug/L | 54356 | 2 | 9.08 | 702477 | 50.0 |
| Butanoic acid, 1-... | 8.90 | 39.3 | ug/L | 552596 | 2 | 9.08 | 702477 | 50.0 |