# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121418\
Data File : VV008962.D
Acq On : 15 Dec 2018 04:15
Operator : SY/MD
Sample : J6369-16
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0LA0

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_V\METHOD\SOMVLM121318WMA.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 | 1.319 | 66 | 71 | 86 | rVB | 72886 | 78742 | 11.16% | 1.434% |
| 2 | 1.560 | 141 | 146 | 161 | rVB | 57309 | 68670 | 9.73% | 1.250% |
| 3 | 2.126 | 313 | 322 | 335 | rBV | 192676 | 273253 | 38.73% | 4.975% |
| 4 | 2.319 | 371 | 382 | 401 | rBV | 9973 | 27593 | 3.91% | 0.502% |
| 5 | 2.656 | 471 | 487 | 504 | rBV | 8710 | 20221 | 2.87% | 0.368% |
| 6 | 2.859 | 547 | 550 | 551 | rBV2 | 190 | 107 | 0.02% | 0.002% |
| 7 | 3.280 | 674 | 681 | 683 | rVV2 | 230 | 279 | 0.04% | 0.005% |
| 8 | 3.364 | 699 | 707 | 714 | rBV | 199 | 435 | 0.06% | 0.008% |
| 9 | 3.444 | 729 | 732 | 734 | rBV2 | 267 | 194 | 0.03% | 0.004% |
| 10 | 3.605 | 779 | 782 | 787 | rVB2 | 296 | 293 | 0.04% | 0.005% |
| 11 | 3.672 | 800 | 803 | 805 | rVB2 | 200 | 115 | 0.02% | 0.002% |
| 12 | 3.782 | 835 | 837 | 841 | rVB | 284 | 165 | 0.02% | 0.003% |
| 13 | 3.804 | 841 | 844 | 847 | rBB | 184 | 147 | 0.02% | 0.003% |
| 14 | 3.823 | 847 | 850 | 853 | rBB2 | 240 | 147 | 0.02% | 0.003% |
| 15 | 3.843 | 853 | 856 | 858 | rBV | 159 | 125 | 0.02% | 0.002% |
| 16 | 3.933 | 867 | 884 | 917 | rBV | 54362 | 161763 | 22.93% | 2.945% |
| 17 | 4.264 | 984 | 987 | 991 | rBV2 | 369 | 332 | 0.05% | 0.006% |
| 18 | 4.405 | 1012 | 1031 | 1053 | rBV2 | 115680 | 278702 | 39.50% | 5.074% |
| 19 | 4.582 | 1082 | 1086 | 1089 | rBV | 213 | 165 | 0.02% | 0.003% |
| 20 | 4.663 | 1105 | 1111 | 1117 | rVB2 | 754 | 1240 | 0.18% | 0.023% |
| 21 | 4.717 | 1125 | 1128 | 1131 | rVB2 | 314 | 217 | 0.03% | 0.004% |
| 22 | 4.736 | 1131 | 1134 | 1138 | rBV | 215 | 227 | 0.03% | 0.004% |
| 23 | 4.794 | 1150 | 1152 | 1157 | rVB2 | 269 | 231 | 0.03% | 0.004% |
| 24 | 4.910 | 1184 | 1188 | 1190 | rBV | 252 | 193 | 0.03% | 0.004% |
| 25 | 5.013 | 1216 | 1220 | 1222 | rVB2 | 370 | 290 | 0.04% | 0.005% |
| 26 | 5.032 | 1223 | 1226 | 1228 | rBV | 267 | 150 | 0.02% | 0.003% |
| 27 | 5.097 | 1228 | 1246 | 1287 | rBV2 | 274684 | 705595 | 100.00% | 12.847% |
| 28 | 5.331 | 1316 | 1319 | 1321 | rBV2 | 274 | 150 | 0.02% | 0.003% |
| 29 | 5.354 | 1321 | 1326 | 1329 | rVV3 | 376 | 350 | 0.05% | 0.006% |
| 30 | 5.389 | 1333 | 1337 | 1340 | rBV2 | 277 | 275 | 0.04% | 0.005% |
| 31 | 5.453 | 1353 | 1357 | 1362 | rBB | 289 | 209 | 0.03% | 0.004% |
| 32 | 5.489 | 1363 | 1368 | 1371 | rBV | 347 | 352 | 0.05% | 0.006% |
| 33 | 5.550 | 1380 | 1387 | 1390 | rBV2 | 315 | 444 | 0.06% | 0.008% |
| 34 | 5.611 | 1402 | 1406 | 1409 | rBV2 | 307 | 292 | 0.04% | 0.005% |

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Sample : J6369-16
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0LA0

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_V\METHOD\SOMVLM121318WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.666 | 1409 | 1423 | 1452 | rVV | 226429 | 453384 | 64.26% | 8.255% |
| 36 | 5.962 | 1499 | 1515 | 1532 | rBV4 | 64910 | 138987 | 19.70% | 2.531% |
| 37 | 6.055 | 1540 | 1544 | 1547 | rBV | 267 | 244 | 0.03% | 0.004% |
| 38 | 6.119 | 1547 | 1564 | 1591 | rVV | 151494 | 313399 | 44.42% | 5.706% |
| 39 | 6.286 | 1611 | 1616 | 1619 | rBV | 281 | 201 | 0.03% | 0.004% |
| 40 | 6.318 | 1624 | 1626 | 1629 | rBB | 249 | 154 | 0.02% | 0.003% |
| 41 | 6.338 | 1629 | 1632 | 1633 | rBV2 | 252 | 162 | 0.02% | 0.003% |
| 42 | 6.441 | 1658 | 1664 | 1670 | rBV2 | 282 | 465 | 0.07% | 0.008% |
| 43 | 6.534 | 1687 | 1693 | 1695 | rBV2 | 281 | 307 | 0.04% | 0.006% |
| 44 | 6.576 | 1703 | 1706 | 1709 | rVB | 308 | 234 | 0.03% | 0.004% |
| 45 | 6.624 | 1718 | 1721 | 1728 | rVB2 | 252 | 234 | 0.03% | 0.004% |
| 46 | 6.666 | 1728 | 1734 | 1738 | rBV | 263 | 329 | 0.05% | 0.006% |
| 47 | 6.704 | 1744 | 1746 | 1747 | rBV | 239 | 99 | 0.01% | 0.002% |
| 48 | 6.797 | 1772 | 1775 | 1776 | rBV | 198 | 138 | 0.02% | 0.003% |
| 49 | 6.878 | 1797 | 1800 | 1804 | rBV | 187 | 137 | 0.02% | 0.002% |
| 50 | 6.965 | 1824 | 1827 | 1832 | rBV2 | 311 | 317 | 0.04% | 0.006% |
| 51 | 7.032 | 1835 | 1848 | 1863 | rBV | 85066 | 150815 | 21.37% | 2.746% |
| 52 | 7.109 | 1870 | 1872 | 1875 | rVB | 464 | 198 | 0.03% | 0.004% |
| 53 | 7.132 | 1878 | 1879 | 1882 | rVB2 | 359 | 143 | 0.02% | 0.003% |
| 54 | 7.267 | 1918 | 1921 | 1924 | rBV | 286 | 214 | 0.03% | 0.004% |
| 55 | 7.299 | 1925 | 1931 | 1935 | rVB2 | 271 | 281 | 0.04% | 0.005% |
| 56 | 7.360 | 1936 | 1950 | 1982 | rBV | 327307 | 577207 | 81.80% | 10.509% |
| 57 | 7.592 | 2019 | 2022 | 2028 | rVB | 185 | 119 | 0.02% | 0.002% |
| 58 | 7.666 | 2033 | 2045 | 2064 | rBV2 | 60327 | 101363 | 14.37% | 1.846% |
| 59 | 7.855 | 2102 | 2104 | 2106 | rBV2 | 188 | 121 | 0.02% | 0.002% |
| 60 | 7.929 | 2123 | 2127 | 2130 | rBV | 189 | 219 | 0.03% | 0.004% |
| 61 | 7.971 | 2137 | 2140 | 2142 | rBV | 264 | 212 | 0.03% | 0.004% |
| 62 | 8.084 | 2171 | 2175 | 2176 | rBV | 222 | 176 | 0.02% | 0.003% |
| 63 | 8.135 | 2180 | 2191 | 2247 | rVB2 | 158521 | 341845 | 48.45% | 6.224% |
| 64 | 8.897 | 2416 | 2428 | 2454 | rBV | 329311 | 534471 | 75.75% | 9.731% |
| 65 | 9.029 | 2467 | 2469 | 2473 | rVB2 | 379 | 230 | 0.03% | 0.004% |
| 66 | 9.135 | 2499 | 2502 | 2504 | rBV | 186 | 149 | 0.02% | 0.003% |
| 67 | 9.322 | 2558 | 2560 | 2562 | rBV | 187 | 99 | 0.01% | 0.002% |
| 68 | 9.357 | 2568 | 2571 | 2574 | rBV | 195 | 122 | 0.02% | 0.002% |
| 69 | 9.556 | 2629 | 2633 | 2635 | rBV2 | 221 | 157 | 0.02% | 0.003% |
| 70 | 9.691 | 2673 | 2675 | 2677 | rBV | 195 | 123 | 0.02% | 0.002% |
| 71 | 9.801 | 2706 | 2709 | 2712 | rBV | 177 | 122 | 0.02% | 0.002% |

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Sample : J6369-16
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0LA0

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_V\METHOD\SOMVLM121318WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 9.868 | 2728 | 2730 | 2733 | rBB2 | 205 | 112 | 0.02% | 0.002% |
| 73 | 9.894 | 2733 | 2738 | 2741 | rBV2 | 257 | 280 | 0.04% | 0.005% |
| 74 | 10.067 | 2788 | 2792 | 2794 | rBV | 210 | 162 | 0.02% | 0.003% |
| 75 | 10.129 | 2810 | 2811 | 2816 | rBV2 | 323 | 157 | 0.02% | 0.003% |
| 76 | 10.264 | 2841 | 2853 | 2877 | rVB | 189766 | 318222 | 45.10% | 5.794% |
| 77 | 10.399 | 2892 | 2895 | 2898 | rVB2 | 202 | 130 | 0.02% | 0.002% |
| 78 | 10.418 | 2898 | 2901 | 2902 | rBV | 328 | 148 | 0.02% | 0.003% |
| 79 | 10.508 | 2927 | 2929 | 2931 | rBV | 165 | 115 | 0.02% | 0.002% |
| 80 | 10.537 | 2935 | 2938 | 2943 | rBV | 360 | 251 | 0.04% | 0.005% |
| 81 | 10.566 | 2943 | 2947 | 2950 | rBV | 224 | 228 | 0.03% | 0.004% |
| 82 | 10.630 | 2960 | 2967 | 2970 | rBV2 | 304 | 281 | 0.04% | 0.005% |
| 83 | 11.296 | 3163 | 3174 | 3196 | rBV | 275345 | 456672 | 64.72% | 8.315% |
| 84 | 11.415 | 3209 | 3211 | 3216 | rVB | 349 | 265 | 0.04% | 0.005% |
| 85 | 11.456 | 3221 | 3224 | 3227 | rBV2 | 207 | 148 | 0.02% | 0.003% |
| 86 | 11.588 | 3262 | 3265 | 3272 | rBV2 | 256 | 297 | 0.04% | 0.005% |
| 87 | 11.675 | 3280 | 3292 | 3314 | rBV | 288766 | 473502 | 67.11% | 8.621% |
| 88 | 11.778 | 3322 | 3324 | 3326 | rBV | 298 | 153 | 0.02% | 0.003% |
| 89 | 11.913 | 3362 | 3366 | 3368 | rBV2 | 263 | 221 | 0.03% | 0.004% |
| 90 | 12.013 | 3394 | 3397 | 3399 | rBV2 | 211 | 153 | 0.02% | 0.003% |
| 91 | 12.206 | 3454 | 3457 | 3458 | rBV | 250 | 121 | 0.02% | 0.002% |
| 92 | 12.305 | 3486 | 3488 | 3495 | rVB2 | 289 | 159 | 0.02% | 0.003% |
| 93 | 12.466 | 3535 | 3538 | 3539 | rBV | 168 | 101 | 0.01% | 0.002% |
| 94 | 12.630 | 3586 | 3589 | 3595 | rBV2 | 295 | 292 | 0.04% | 0.005% |
| 95 | 12.662 | 3596 | 3599 | 3605 | rVB2 | 248 | 278 | 0.04% | 0.005% |
| 96 | 13.132 | 3742 | 3745 | 3748 | rBV2 | 363 | 265 | 0.04% | 0.005% |
| 97 | 13.305 | 3797 | 3799 | 3802 | rBV3 | 336 | 186 | 0.03% | 0.003% |
| 98 | 13.456 | 3844 | 3846 | 3850 | rVB | 315 | 141 | 0.02% | 0.003% |
| 99 | 13.489 | 3853 | 3856 | 3860 | rBV3 | 344 | 334 | 0.05% | 0.006% |
| 100 | 13.598 | 3887 | 3890 | 3892 | rBV2 | 269 | 197 | 0.03% | 0.004% |

Sum of corrected areas: 5492411

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121418\
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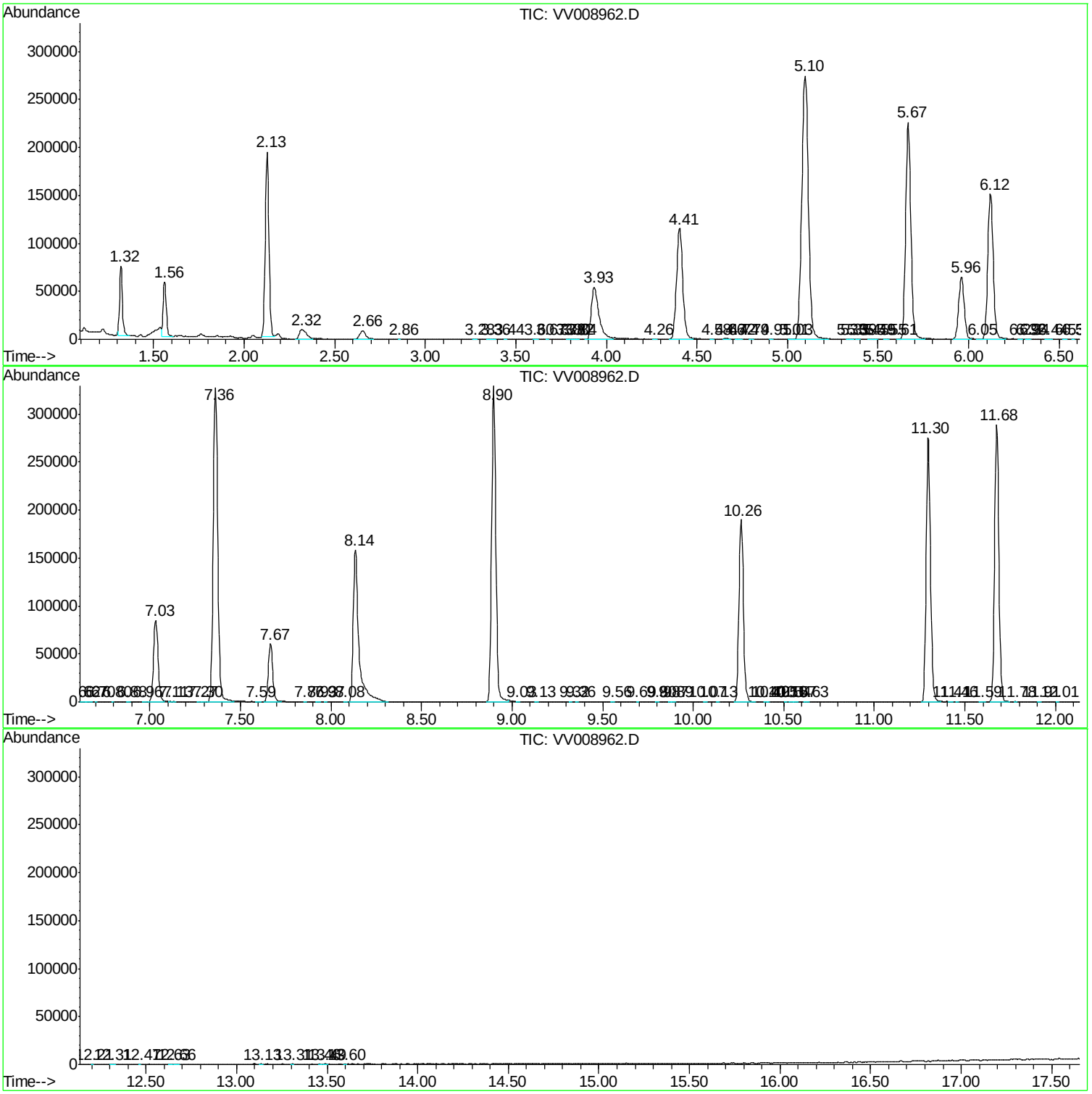
Sample : J6369-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0LA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.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_V\DATA\VV121418\
Data File : VV008962.D
Acq On : 15 Dec 2018 04:15
Operator : SY/MD
Sample : J6369-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0LA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis

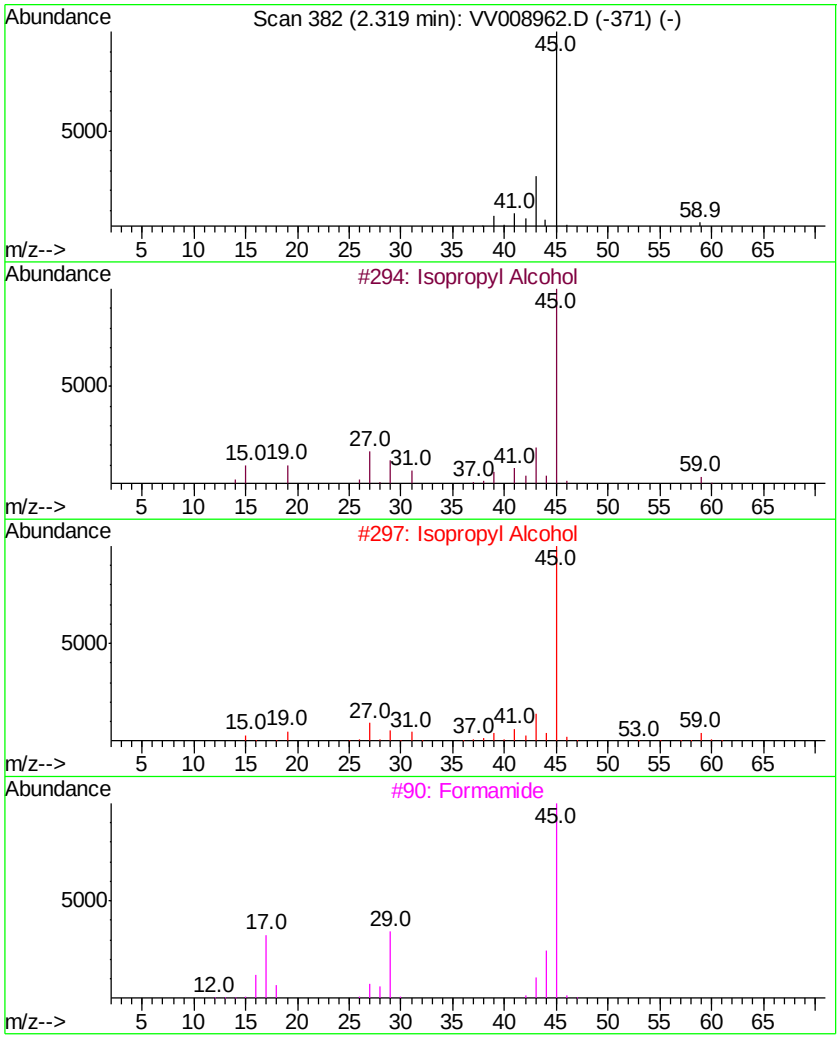
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

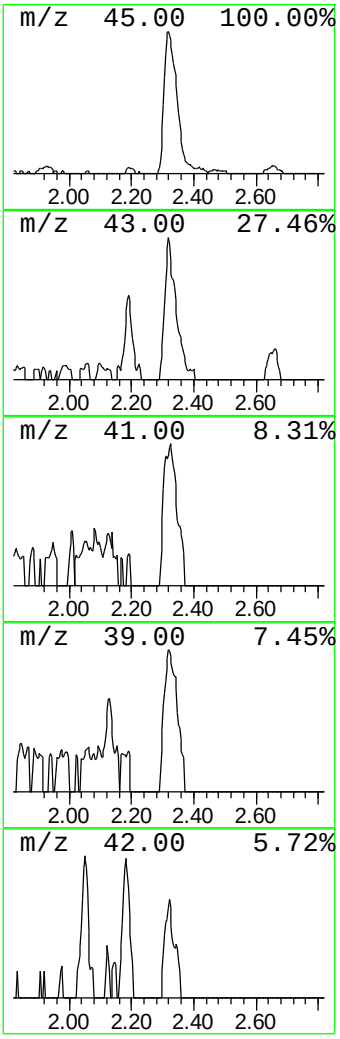
**********

Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.32 | 3.04 ug/L | 27593 | 1,4-Difluorobenzene | 5.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 74 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 9 |
| 3 | Formamide | 45 | CH3NO | 000075-12-7 | 4 |
| 4 | 4-Penten-2-ol | 86 | C5H10O | 000625-31-0 | 4 |
| 5 | Formamide | 45 | CH3NO | 000075-12-7 | 4 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121418\
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ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0LA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.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 |
| Isopropyl Alcohol | 2.32 | 3.0 | ug/L | 27593 | 1 | 5.67 | 453384 | 50.0 |