LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121123\
Data File : VV033211.D
Acq On : 11 Dec 2023 14:36
Operator : SY/MD
Sample : 05685-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
YCH86

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\SFAMVLM120123WMA.M
Title : VOC Analysis

Signal : TIC: VV033211.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.278 | 67 | 74 | 88 | rVB | 107248 | 116603 | 13.06% | 1.571% |
| 2 | 1.416 | 113 | 117 | 123 | rBV5 | 3213 | 3595 | 0.40% | 0.048% |
| 3 | 1.532 | 145 | 153 | 168 | rVB | 82395 | 97898 | 10.96% | 1.319% |
| 4 | 1.998 | 293 | 298 | 299 | rBV2 | 316 | 262 | 0.03% | 0.004% |
| 5 | 2.059 | 306 | 317 | 325 | rBV | 173256 | 251021 | 28.10% | 3.381% |
| 6 | 2.108 | 326 | 332 | 355 | rVV | 160892 | 245594 | 27.50% | 3.308% |
| 7 | 2.217 | 358 | 366 | 384 | rVB2 | 22161 | 39306 | 4.40% | 0.529% |
| 8 | 2.426 | 427 | 431 | 434 | rBV3 | 459 | 448 | 0.05% | 0.006% |
| 9 | 2.449 | 434 | 438 | 440 | rBV4 | 660 | 560 | 0.06% | 0.008% |
| 10 | 2.564 | 464 | 474 | 487 | rBV3 | 4760 | 9604 | 1.08% | 0.129% |
| 11 | 2.641 | 495 | 498 | 500 | rBV2 | 500 | 284 | 0.03% | 0.004% |
| 12 | 2.985 | 601 | 605 | 608 | rBV2 | 509 | 466 | 0.05% | 0.006% |
| 13 | 3.137 | 649 | 652 | 654 | rBV | 316 | 222 | 0.02% | 0.003% |
| 14 | 3.194 | 664 | 670 | 673 | rBV2 | 307 | 325 | 0.04% | 0.004% |
| 15 | 3.217 | 674 | 677 | 679 | rVV | 318 | 164 | 0.02% | 0.002% |
| 16 | 3.275 | 692 | 695 | 699 | rBV | 227 | 175 | 0.02% | 0.002% |
| 17 | 3.506 | 762 | 767 | 770 | rBV | 318 | 328 | 0.04% | 0.004% |
| 18 | 3.593 | 791 | 794 | 795 | rBV | 458 | 205 | 0.02% | 0.003% |
| 19 | 3.722 | 832 | 834 | 843 | rBV3 | 529 | 642 | 0.07% | 0.009% |
| 20 | 3.780 | 843 | 852 | 873 | rBV | 52466 | 138233 | 15.48% | 1.862% |
| 21 | 4.249 | 982 | 998 | 1032 | rBV | 149931 | 387869 | 43.43% | 5.224% |
| 22 | 4.641 | 1117 | 1120 | 1123 | rVB2 | 542 | 306 | 0.03% | 0.004% |
| 23 | 4.715 | 1138 | 1143 | 1147 | rBV2 | 405 | 319 | 0.04% | 0.004% |
| 24 | 4.754 | 1153 | 1155 | 1159 | rBV2 | 311 | 208 | 0.02% | 0.003% |
| 25 | 4.812 | 1167 | 1173 | 1175 | rBV2 | 592 | 606 | 0.07% | 0.008% |
| 26 | 4.956 | 1202 | 1218 | 1243 | rBV2 | 336615 | 893157 | 100.00% | 12.030% |
| 27 | 5.281 | 1317 | 1319 | 1323 | rBV2 | 359 | 205 | 0.02% | 0.003% |
| 28 | 5.436 | 1364 | 1367 | 1368 | rVB3 | 534 | 213 | 0.02% | 0.003% |
| 29 | 5.468 | 1374 | 1377 | 1382 | rBV2 | 446 | 436 | 0.05% | 0.006% |
| 30 | 5.535 | 1386 | 1398 | 1428 | rBV | 287471 | 592007 | 66.28% | 7.974% |
| 31 | 5.831 | 1480 | 1490 | 1510 | rVB4 | 12482 | 28296 | 3.17% | 0.381% |
| 32 | 5.989 | 1527 | 1539 | 1569 | rBV | 190549 | 390115 | 43.68% | 5.255% |
| 33 | 6.217 | 1608 | 1610 | 1615 | rVB3 | 705 | 381 | 0.04% | 0.005% |
| 34 | 6.243 | 1615 | 1618 | 1619 | rBV | 440 | 171 | 0.02% | 0.002% |
| 35 | 6.252 | 1619 | 1621 | 1624 | rVV3 | 495 | 253 | 0.03% | 0.003% |
| 36 | 6.326 | 1639 | 1644 | 1647 | rBV3 | 320 | 365 | 0.04% | 0.005% |

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Sample : 05685-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
YCH86

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\SFAMVLM120123WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.371 | 1655 | 1658 | 1662 | rBV2 | 437 | 369 | 0.04% | 0.005% |
| 38 | 6.564 | 1715 | 1718 | 1719 | rBV2 | 339 | 226 | 0.03% | 0.003% |
| 39 | 6.696 | 1756 | 1759 | 1762 | rVV2 | 261 | 202 | 0.02% | 0.003% |
| 40 | 6.780 | 1782 | 1785 | 1788 | rBV2 | 406 | 253 | 0.03% | 0.003% |
| 41 | 6.815 | 1790 | 1796 | 1798 | rBV | 399 | 349 | 0.04% | 0.005% |
| 42 | 6.870 | 1808 | 1813 | 1816 | rBV3 | 231 | 203 | 0.02% | 0.003% |
| 43 | 6.915 | 1816 | 1827 | 1848 | rBV | 108998 | 203250 | 22.76% | 2.738% |
| 44 | 7.181 | 1909 | 1910 | 1915 | rVB2 | 715 | 423 | 0.05% | 0.006% |
| 45 | 7.243 | 1915 | 1929 | 1952 | rBV | 415472 | 736944 | 82.51% | 9.926% |
| 46 | 7.554 | 2016 | 2026 | 2047 | rBV | 82145 | 143404 | 16.06% | 1.932% |
| 47 | 7.825 | 2106 | 2110 | 2113 | rBV2 | 482 | 417 | 0.05% | 0.006% |
| 48 | 7.876 | 2118 | 2126 | 2136 | rVB4 | 2456 | 4370 | 0.49% | 0.059% |
| 49 | 7.934 | 2141 | 2144 | 2146 | rBV | 467 | 298 | 0.03% | 0.004% |
| 50 | 8.024 | 2161 | 2172 | 2216 | rBV | 190790 | 374881 | 41.97% | 5.049% |
| 51 | 8.313 | 2260 | 2262 | 2265 | rVB2 | 352 | 179 | 0.02% | 0.002% |
| 52 | 8.339 | 2266 | 2270 | 2273 | rBV2 | 499 | 429 | 0.05% | 0.006% |
| 53 | 8.480 | 2310 | 2314 | 2315 | rBV | 248 | 179 | 0.02% | 0.002% |
| 54 | 8.612 | 2352 | 2355 | 2358 | rBV2 | 425 | 344 | 0.04% | 0.005% |
| 55 | 8.689 | 2377 | 2379 | 2383 | rBV | 378 | 278 | 0.03% | 0.004% |
| 56 | 8.786 | 2398 | 2409 | 2432 | rBV | 464921 | 752169 | 84.21% | 10.131% |
| 57 | 9.008 | 2474 | 2478 | 2481 | rBV3 | 690 | 500 | 0.06% | 0.007% |
| 58 | 9.091 | 2500 | 2504 | 2508 | rVB2 | 749 | 736 | 0.08% | 0.010% |
| 59 | 9.149 | 2519 | 2522 | 2524 | rBV2 | 417 | 210 | 0.02% | 0.003% |
| 60 | 9.233 | 2543 | 2548 | 2552 | rVB | 471 | 440 | 0.05% | 0.006% |
| 61 | 9.259 | 2552 | 2556 | 2559 | rBV | 516 | 411 | 0.05% | 0.006% |
| 62 | 9.435 | 2609 | 2611 | 2613 | rBV | 304 | 176 | 0.02% | 0.002% |
| 63 | 9.490 | 2625 | 2628 | 2631 | rVB3 | 809 | 503 | 0.06% | 0.007% |
| 64 | 9.603 | 2660 | 2663 | 2669 | rVB2 | 537 | 599 | 0.07% | 0.008% |
| 65 | 9.632 | 2669 | 2672 | 2678 | rBV2 | 601 | 705 | 0.08% | 0.009% |
| 66 | 9.956 | 2766 | 2773 | 2775 | rBV3 | 1383 | 1438 | 0.16% | 0.019% |
| 67 | 10.030 | 2792 | 2796 | 2798 | rBV2 | 481 | 318 | 0.04% | 0.004% |
| 68 | 10.095 | 2813 | 2816 | 2819 | rBV | 422 | 329 | 0.04% | 0.004% |
| 69 | 10.152 | 2823 | 2834 | 2865 | rVB | 274560 | 440713 | 49.34% | 5.936% |
| 70 | 10.329 | 2882 | 2889 | 2897 | rBV6 | 1950 | 3209 | 0.36% | 0.043% |
| 71 | 10.384 | 2903 | 2906 | 2909 | rVB2 | 322 | 213 | 0.02% | 0.003% |
| 72 | 10.525 | 2943 | 2950 | 2952 | rBV | 462 | 511 | 0.06% | 0.007% |
| 73 | 10.612 | 2972 | 2977 | 2979 | rBV2 | 265 | 208 | 0.02% | 0.003% |
| 74 | 10.654 | 2985 | 2990 | 2993 | rBV2 | 331 | 384 | 0.04% | 0.005% |
| 75 | 10.869 | 3051 | 3057 | 3059 | rBV | 411 | 455 | 0.05% | 0.006% |
| 76 | 11.001 | 3091 | 3098 | 3099 | rBV2 | 485 | 470 | 0.05% | 0.006% |

LSC Area Percent Report

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Acq On : 11 Dec 2023 14:36
Operator : SY/MD
Sample : 05685-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
YCH86

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\SFAMVLM120123WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 11.101 | 3124 | 3129 | 3132 | rBV2 | 372 | 357 | 0.04% | 0.005% |
| 78 | 11.184 | 3144 | 3155 | 3177 | rBV | 484818 | 761115 | 85.22% | 10.252% |
| 79 | 11.467 | 3240 | 3243 | 3247 | rBV | 310 | 265 | 0.03% | 0.004% |
| 80 | 11.500 | 3251 | 3253 | 3258 | rVB | 390 | 208 | 0.02% | 0.003% |
| 81 | 11.561 | 3258 | 3272 | 3296 | rBV | 493995 | 782741 | 87.64% | 10.543% |
| 82 | 11.831 | 3353 | 3356 | 3359 | rBV | 455 | 303 | 0.03% | 0.004% |
| 83 | 11.860 | 3363 | 3365 | 3368 | rBV2 | 339 | 215 | 0.02% | 0.003% |
| 84 | 11.924 | 3383 | 3385 | 3388 | rVB2 | 329 | 165 | 0.02% | 0.002% |
| 85 | 12.197 | 3462 | 3470 | 3472 | rBV4 | 629 | 816 | 0.09% | 0.011% |
| 86 | 12.390 | 3527 | 3530 | 3532 | rBV | 323 | 244 | 0.03% | 0.003% |
| 87 | 12.474 | 3549 | 3556 | 3558 | rBV | 412 | 410 | 0.05% | 0.006% |
| 88 | 12.512 | 3566 | 3568 | 3572 | rVB | 463 | 254 | 0.03% | 0.003% |
| 89 | 12.969 | 3707 | 3710 | 3712 | rBV | 263 | 171 | 0.02% | 0.002% |
| 90 | 13.207 | 3781 | 3784 | 3788 | rVB3 | 696 | 491 | 0.05% | 0.007% |
| 91 | 13.278 | 3799 | 3806 | 3809 | rBV2 | 409 | 441 | 0.05% | 0.006% |
| 92 | 13.297 | 3809 | 3812 | 3814 | rVV | 354 | 207 | 0.02% | 0.003% |
| 93 | 13.368 | 3831 | 3834 | 3839 | rBV2 | 560 | 461 | 0.05% | 0.006% |
| 94 | 13.448 | 3855 | 3859 | 3862 | rBV3 | 774 | 809 | 0.09% | 0.011% |
| 95 | 13.615 | 3908 | 3911 | 3912 | rBV | 320 | 161 | 0.02% | 0.002% |
| 96 | 13.670 | 3923 | 3928 | 3930 | rBV | 546 | 433 | 0.05% | 0.006% |
| 97 | 13.802 | 3967 | 3969 | 3972 | rBV2 | 582 | 394 | 0.04% | 0.005% |
| 98 | 13.863 | 3985 | 3988 | 3990 | rBV | 423 | 325 | 0.04% | 0.004% |
| 99 | 13.930 | 4007 | 4009 | 4011 | rBV2 | 408 | 253 | 0.03% | 0.003% |
| 100 | 14.094 | 4057 | 4060 | 4062 | rBV2 | 494 | 370 | 0.04% | 0.005% |

Sum of corrected areas: 7424146

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121123\
Data File : VV033211.D
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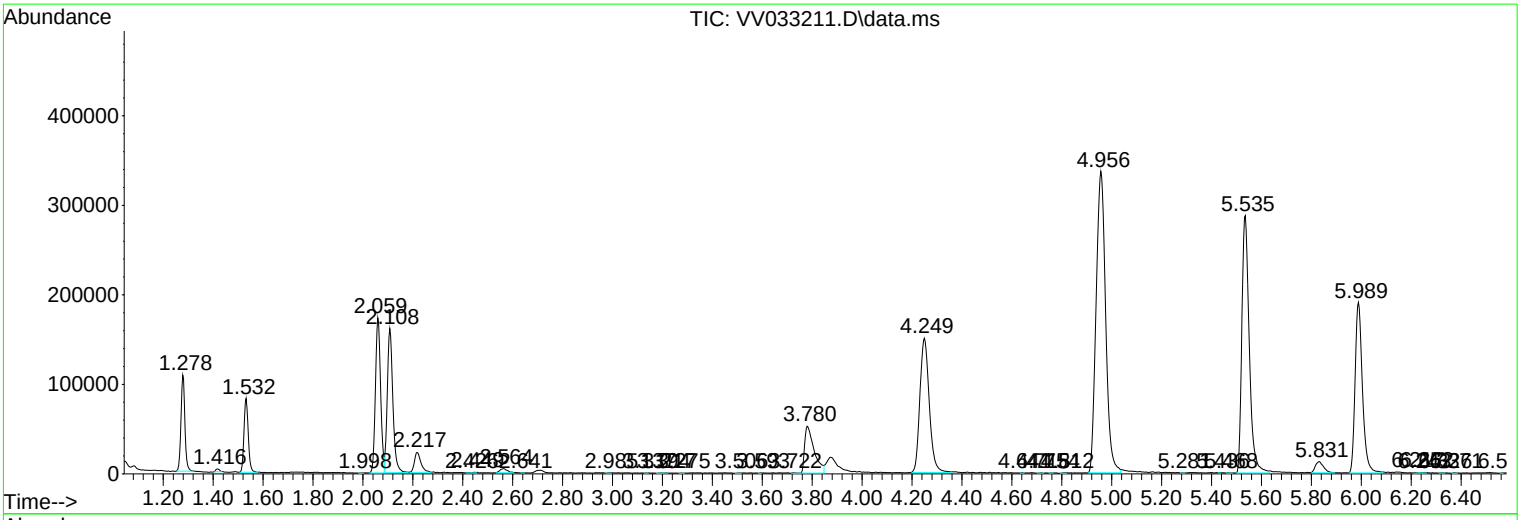
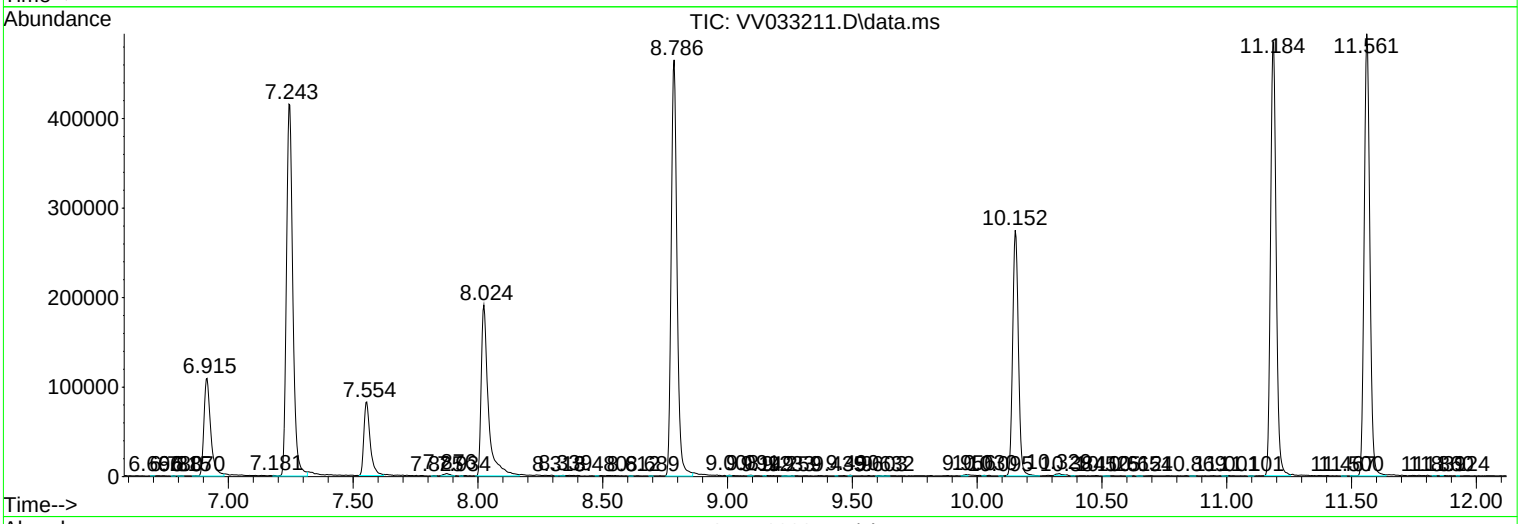
Sample : 05685-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

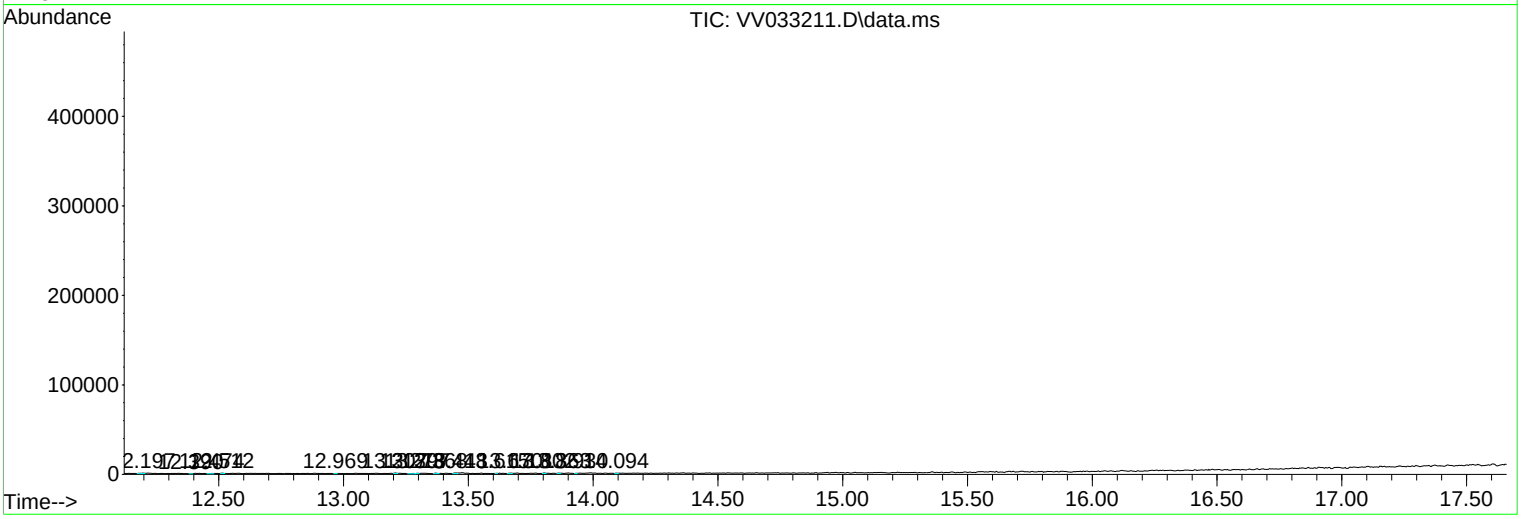
**Instrument :**
MSVOA_V
**ClientSampleId :**
YCH86

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121123\
Data File : VV033211.D
Acq On : 11 Dec 2023 14:36
Operator : SY/MD
Sample : 05685-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
YCH86

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
Quant Title : VOC Analysis

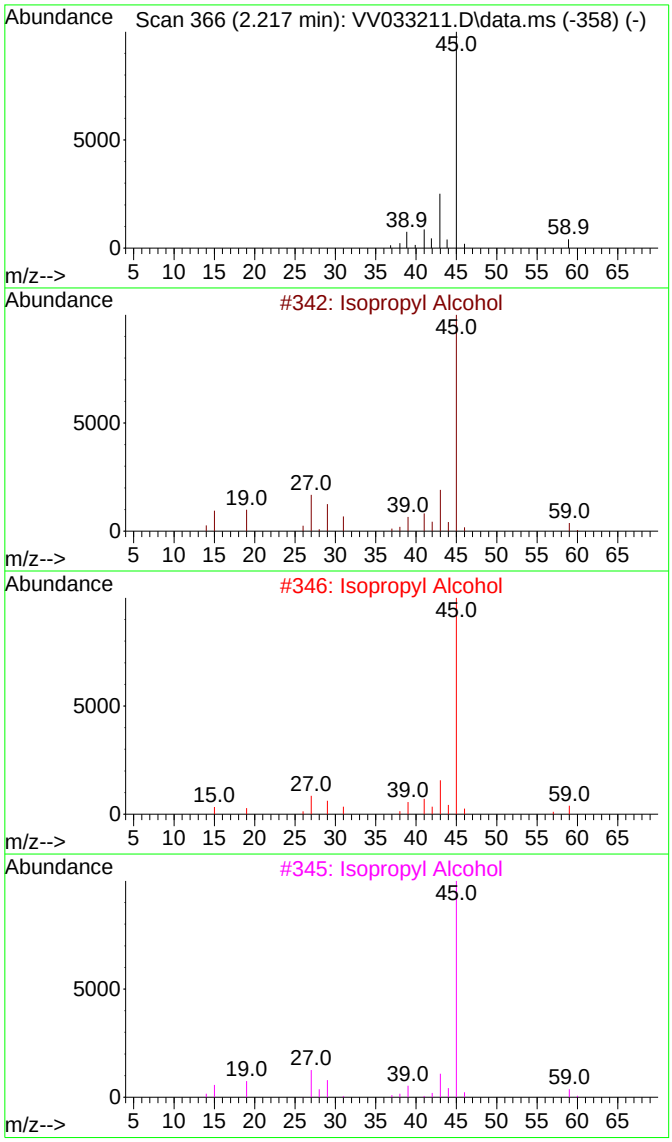
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

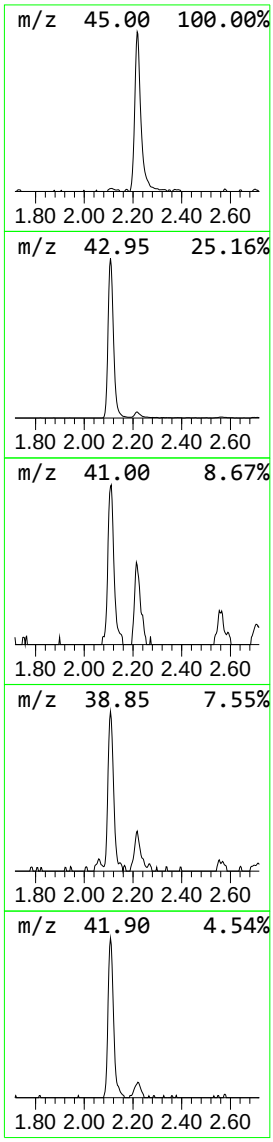
**********

Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.217 | 3.32 ug/L | 39306 | 1,4-Difluorobenzene | 5.535 |

| 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 | 74 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 9 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 9 |
| 5 | Ethylamine | 45 | C2H7N | 000075-04-7 | 5 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121123\
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Misc : 5.0mL/MSVOA_V/WATER
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**Instrument :**
MSVOA_V
**ClientSampleId :**
YCH86

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.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 |
| Isopropyl Alcohol | 2.217 | 3.3 | ug/L | 39306 | 1 | 5.535 | 592007 | 50.0 |