LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

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\SFAMVLM052721WMA.M
Title : VOC Analysis

Signal : TIC: VV021498.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.304 | 76 | 82 | 95 | rVB | 188541 | 193706 | 3.47% | 0.725% |
| 2 | 1.568 | 157 | 164 | 176 | rVB | 155704 | 173867 | 3.12% | 0.650% |
| 3 | 2.108 | 322 | 332 | 346 | rBV | 324042 | 484378 | 8.68% | 1.812% |
| 4 | 2.529 | 441 | 463 | 488 | rVB | 505797 | 1000185 | 17.92% | 3.742% |
| 5 | 2.677 | 507 | 509 | 511 | rBV2 | 436 | 264 | 0.00% | 0.001% |
| 6 | 2.760 | 517 | 535 | 564 | rBV | 916046 | 1842399 | 33.01% | 6.893% |
| 7 | 3.037 | 606 | 621 | 658 | rBV | 2808515 | 5580809 | 100.00% | 20.880% |
| 8 | 3.619 | 800 | 802 | 805 | rBV2 | 343 | 114 | 0.00% | 0.000% |
| 9 | 3.760 | 824 | 846 | 874 | rBV | 2173129 | 5468490 | 97.99% | 20.459% |
| 10 | 3.883 | 875 | 884 | 900 | rBV | 112896 | 309300 | 5.54% | 1.157% |
| 11 | 4.346 | 1013 | 1028 | 1055 | rBV | 285829 | 722799 | 12.95% | 2.704% |
| 12 | 4.677 | 1116 | 1131 | 1152 | rVB2 | 32291 | 80066 | 1.43% | 0.300% |
| 13 | 4.825 | 1173 | 1177 | 1178 | rBV | 640 | 345 | 0.01% | 0.001% |
| 14 | 4.928 | 1206 | 1209 | 1213 | rVB4 | 362 | 250 | 0.00% | 0.001% |
| 15 | 5.047 | 1228 | 1246 | 1274 | rBV2 | 603934 | 1561275 | 27.98% | 5.841% |
| 16 | 5.336 | 1333 | 1336 | 1337 | rBV | 324 | 165 | 0.00% | 0.001% |
| 17 | 5.535 | 1396 | 1398 | 1401 | rBV2 | 358 | 169 | 0.00% | 0.001% |
| 18 | 5.616 | 1410 | 1423 | 1449 | rBV | 492072 | 991215 | 17.76% | 3.708% |
| 19 | 5.908 | 1504 | 1514 | 1531 | rVB3 | 12436 | 26475 | 0.47% | 0.099% |
| 20 | 6.069 | 1550 | 1564 | 1597 | rBV | 346622 | 705394 | 12.64% | 2.639% |
| 21 | 6.284 | 1628 | 1631 | 1634 | rBV2 | 451 | 358 | 0.01% | 0.001% |
| 22 | 6.336 | 1643 | 1647 | 1650 | rBV3 | 365 | 350 | 0.01% | 0.001% |
| 23 | 6.352 | 1650 | 1652 | 1654 | rBV | 282 | 151 | 0.00% | 0.001% |
| 24 | 6.394 | 1661 | 1665 | 1668 | rBV3 | 373 | 317 | 0.01% | 0.001% |
| 25 | 6.436 | 1674 | 1678 | 1682 | rVB3 | 453 | 355 | 0.01% | 0.001% |
| 26 | 6.458 | 1682 | 1685 | 1687 | rVB2 | 283 | 189 | 0.00% | 0.001% |
| 27 | 6.535 | 1707 | 1709 | 1714 | rBV4 | 342 | 295 | 0.01% | 0.001% |
| 28 | 6.577 | 1719 | 1722 | 1725 | rBV3 | 393 | 293 | 0.01% | 0.001% |
| 29 | 6.641 | 1733 | 1742 | 1745 | rBV5 | 1482 | 2447 | 0.04% | 0.009% |
| 30 | 6.751 | 1774 | 1776 | 1778 | rVB | 351 | 172 | 0.00% | 0.001% |
| 31 | 6.770 | 1778 | 1782 | 1785 | rBV3 | 347 | 324 | 0.01% | 0.001% |
| 32 | 6.789 | 1786 | 1788 | 1791 | rVV2 | 409 | 267 | 0.00% | 0.001% |
| 33 | 6.812 | 1794 | 1795 | 1798 | rBV | 239 | 112 | 0.00% | 0.000% |
| 34 | 6.928 | 1826 | 1831 | 1833 | rBV | 304 | 258 | 0.00% | 0.001% |
| 35 | 6.947 | 1835 | 1837 | 1838 | rBV | 520 | 112 | 0.00% | 0.000% |
| 36 | 6.985 | 1838 | 1849 | 1882 | rBV | 217927 | 399218 | 7.15% | 1.494% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

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\SFAMVLM052721WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.317 | 1940 | 1952 | 1970 | rBV | 771968 | 1340705 | 24.02% | 5.016% |
| 38 | 7.622 | 2036 | 2047 | 2068 | rBV | 147174 | 260212 | 4.66% | 0.974% |
| 39 | 7.834 | 2110 | 2113 | 2114 | rBV | 254 | 154 | 0.00% | 0.001% |
| 40 | 7.882 | 2126 | 2128 | 2131 | rBV | 284 | 171 | 0.00% | 0.001% |
| 41 | 7.944 | 2137 | 2147 | 2152 | rBV3 | 8141 | 13963 | 0.25% | 0.052% |
| 42 | 8.088 | 2181 | 2192 | 2229 | rBV | 410242 | 754023 | 13.51% | 2.821% |
| 43 | 8.407 | 2289 | 2291 | 2294 | rBV2 | 430 | 194 | 0.00% | 0.001% |
| 44 | 8.497 | 2316 | 2319 | 2322 | rBV3 | 374 | 250 | 0.00% | 0.001% |
| 45 | 8.522 | 2325 | 2327 | 2334 | rBV4 | 264 | 280 | 0.01% | 0.001% |
| 46 | 8.657 | 2367 | 2369 | 2373 | rVB2 | 373 | 207 | 0.00% | 0.001% |
| 47 | 8.680 | 2373 | 2376 | 2380 | rVB2 | 278 | 224 | 0.00% | 0.001% |
| 48 | 8.706 | 2380 | 2384 | 2386 | rBV2 | 259 | 205 | 0.00% | 0.001% |
| 49 | 8.780 | 2405 | 2407 | 2410 | rVB | 254 | 125 | 0.00% | 0.000% |
| 50 | 8.802 | 2410 | 2414 | 2415 | rBV | 399 | 212 | 0.00% | 0.001% |
| 51 | 8.853 | 2417 | 2430 | 2461 | rBV | 727114 | 1205022 | 21.59% | 4.508% |
| 52 | 9.149 | 2516 | 2522 | 2524 | rBV3 | 1018 | 1105 | 0.02% | 0.004% |
| 53 | 9.191 | 2533 | 2535 | 2536 | rBV3 | 172 | 94 | 0.00% | 0.000% |
| 54 | 9.297 | 2566 | 2568 | 2572 | rBV2 | 184 | 139 | 0.00% | 0.001% |
| 55 | 9.342 | 2579 | 2582 | 2584 | rBV2 | 207 | 120 | 0.00% | 0.000% |
| 56 | 9.384 | 2593 | 2595 | 2598 | rBV2 | 204 | 156 | 0.00% | 0.001% |
| 57 | 9.416 | 2604 | 2605 | 2610 | rVB | 270 | 143 | 0.00% | 0.001% |
| 58 | 9.458 | 2615 | 2618 | 2619 | rBV2 | 169 | 100 | 0.00% | 0.000% |
| 59 | 9.509 | 2632 | 2634 | 2638 | rVB2 | 178 | 118 | 0.00% | 0.000% |
| 60 | 9.532 | 2638 | 2641 | 2643 | rBV2 | 279 | 197 | 0.00% | 0.001% |
| 61 | 9.551 | 2643 | 2647 | 2650 | rVV2 | 473 | 382 | 0.01% | 0.001% |
| 62 | 9.612 | 2664 | 2666 | 2669 | rVB | 259 | 113 | 0.00% | 0.000% |
| 63 | 9.644 | 2673 | 2676 | 2679 | rVV3 | 283 | 167 | 0.00% | 0.001% |
| 64 | 9.673 | 2682 | 2685 | 2688 | rBV2 | 296 | 212 | 0.00% | 0.001% |
| 65 | 9.715 | 2696 | 2698 | 2705 | rVB3 | 378 | 264 | 0.00% | 0.001% |
| 66 | 9.834 | 2732 | 2735 | 2736 | rBV2 | 262 | 179 | 0.00% | 0.001% |
| 67 | 9.905 | 2751 | 2757 | 2760 | rVB2 | 285 | 234 | 0.00% | 0.001% |
| 68 | 9.947 | 2766 | 2770 | 2772 | rVB2 | 420 | 252 | 0.00% | 0.001% |
| 69 | 9.979 | 2778 | 2780 | 2784 | rVB2 | 329 | 232 | 0.00% | 0.001% |
| 70 | 10.024 | 2784 | 2794 | 2806 | rBV4 | 4965 | 9968 | 0.18% | 0.037% |
| 71 | 10.217 | 2842 | 2854 | 2874 | rBV | 517728 | 819664 | 14.69% | 3.067% |
| 72 | 10.384 | 2898 | 2906 | 2921 | rVB | 17144 | 29570 | 0.53% | 0.111% |
| 73 | 10.461 | 2927 | 2930 | 2935 | rVV3 | 438 | 391 | 0.01% | 0.001% |
| 74 | 10.503 | 2941 | 2943 | 2945 | rBV | 328 | 112 | 0.00% | 0.000% |
| 75 | 10.644 | 2984 | 2987 | 2988 | rBV2 | 423 | 279 | 0.00% | 0.001% |
| 76 | 10.709 | 3005 | 3007 | 3010 | rVB | 301 | 134 | 0.00% | 0.001% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

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\SFAMVLM052721WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 10.734 | 3013 | 3015 | 3018 | rVB2 | 400 | 158 | 0.00% | 0.001% |
| 78 | 10.776 | 3024 | 3028 | 3031 | rBV3 | 435 | 311 | 0.01% | 0.001% |
| 79 | 10.792 | 3031 | 3033 | 3036 | rBV3 | 296 | 217 | 0.00% | 0.001% |
| 80 | 10.831 | 3041 | 3045 | 3049 | rVV3 | 399 | 436 | 0.01% | 0.002% |
| 81 | 10.857 | 3051 | 3053 | 3057 | rVV2 | 509 | 308 | 0.01% | 0.001% |
| 82 | 10.889 | 3061 | 3063 | 3065 | rVV2 | 565 | 343 | 0.01% | 0.001% |
| 83 | 10.918 | 3065 | 3072 | 3083 | rVB6 | 3772 | 5826 | 0.10% | 0.022% |
| 84 | 11.005 | 3095 | 3099 | 3100 | rVB | 294 | 155 | 0.00% | 0.001% |
| 85 | 11.021 | 3101 | 3104 | 3105 | rBV | 424 | 209 | 0.00% | 0.001% |
| 86 | 11.078 | 3120 | 3122 | 3125 | rVB2 | 281 | 133 | 0.00% | 0.000% |
| 87 | 11.152 | 3133 | 3145 | 3152 | rBV6 | 2737 | 4731 | 0.08% | 0.018% |
| 88 | 11.249 | 3163 | 3175 | 3201 | rBV | 881669 | 1366087 | 24.48% | 5.111% |
| 89 | 11.503 | 3252 | 3254 | 3256 | rBV | 219 | 100 | 0.00% | 0.000% |
| 90 | 11.625 | 3279 | 3292 | 3314 | rBV | 872857 | 1359523 | 24.36% | 5.086% |
| 91 | 11.844 | 3357 | 3360 | 3362 | rBV2 | 470 | 371 | 0.01% | 0.001% |
| 92 | 11.882 | 3369 | 3372 | 3376 | rVB3 | 423 | 261 | 0.00% | 0.001% |
| 93 | 11.985 | 3402 | 3404 | 3408 | rBV | 349 | 221 | 0.00% | 0.001% |
| 94 | 12.165 | 3457 | 3460 | 3461 | rBV | 342 | 226 | 0.00% | 0.001% |
| 95 | 12.236 | 3478 | 3482 | 3484 | rBV2 | 740 | 511 | 0.01% | 0.002% |
| 96 | 12.609 | 3597 | 3598 | 3603 | rVB4 | 379 | 271 | 0.00% | 0.001% |
| 97 | 12.686 | 3620 | 3622 | 3625 | rVB2 | 421 | 254 | 0.00% | 0.001% |
| 98 | 12.715 | 3629 | 3631 | 3634 | rBV2 | 446 | 253 | 0.00% | 0.001% |
| 99 | 12.914 | 3691 | 3693 | 3697 | rBV3 | 354 | 195 | 0.00% | 0.001% |
| 100 | 13.583 | 3899 | 3901 | 3903 | rBV | 446 | 236 | 0.00% | 0.001% |

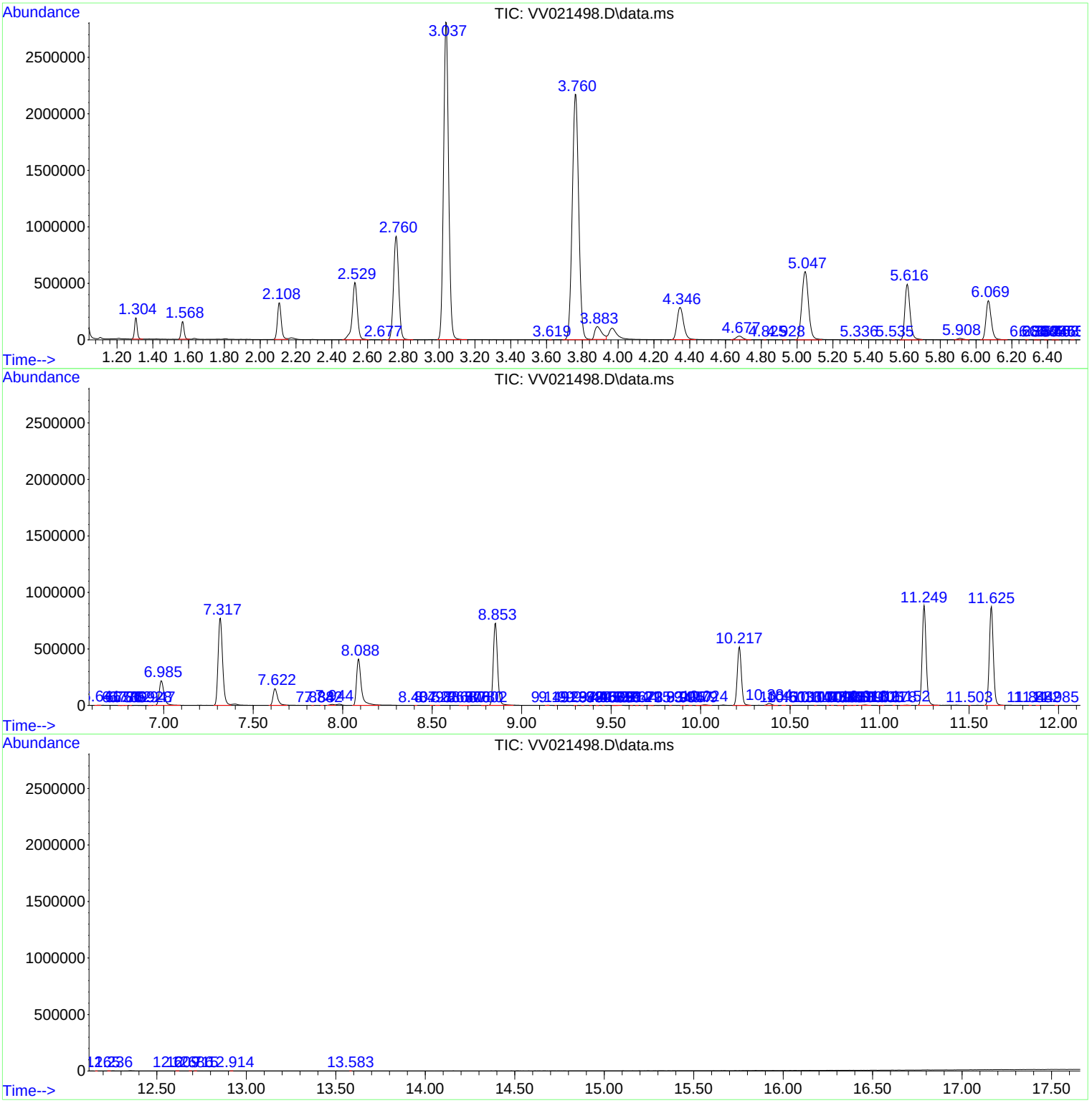
Sum of corrected areas: 26728491

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG7J9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

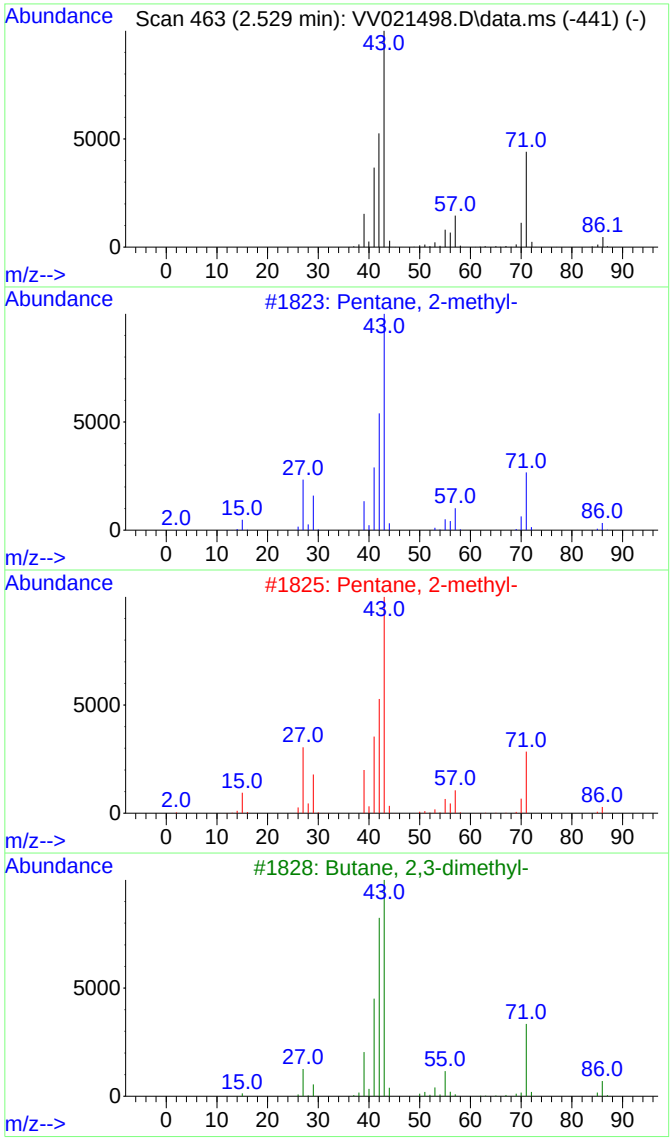
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

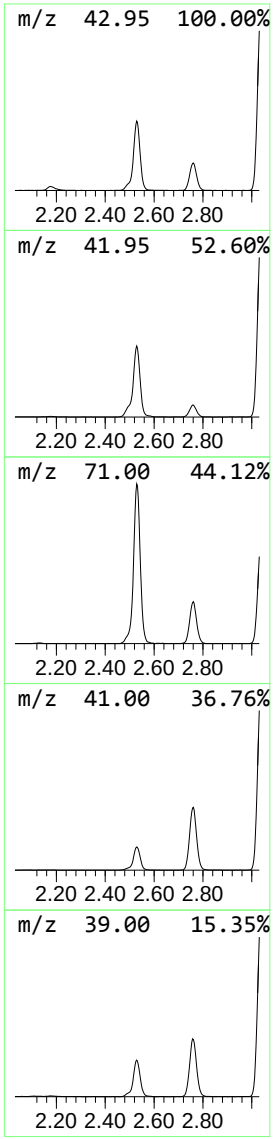
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.529 | 50.45 ug/L | 1000190 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 91 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 91 |
| 3 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 72 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 46 |
| 5 | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O | 019550-30-2 | 45 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

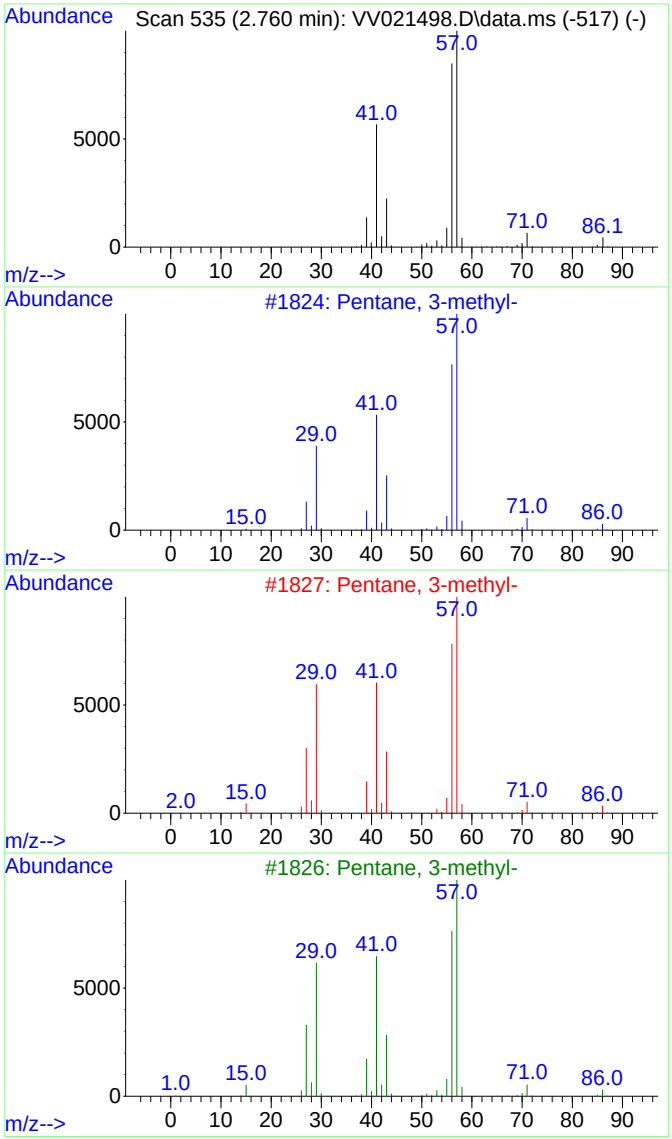
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

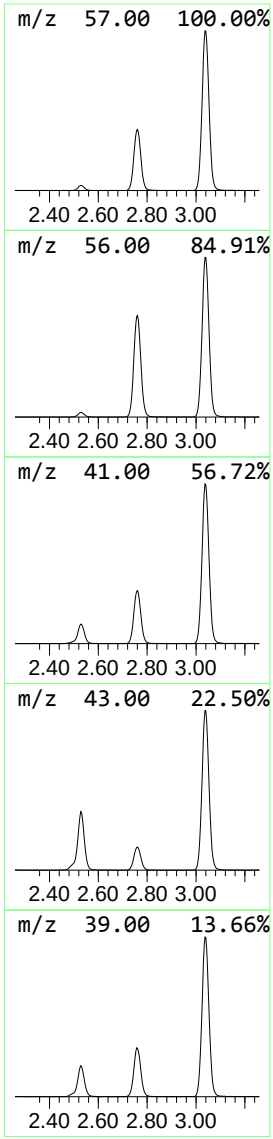
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.760 | 92.94 ug/L | 1842400 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 3 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 4 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 64 |
| 5 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

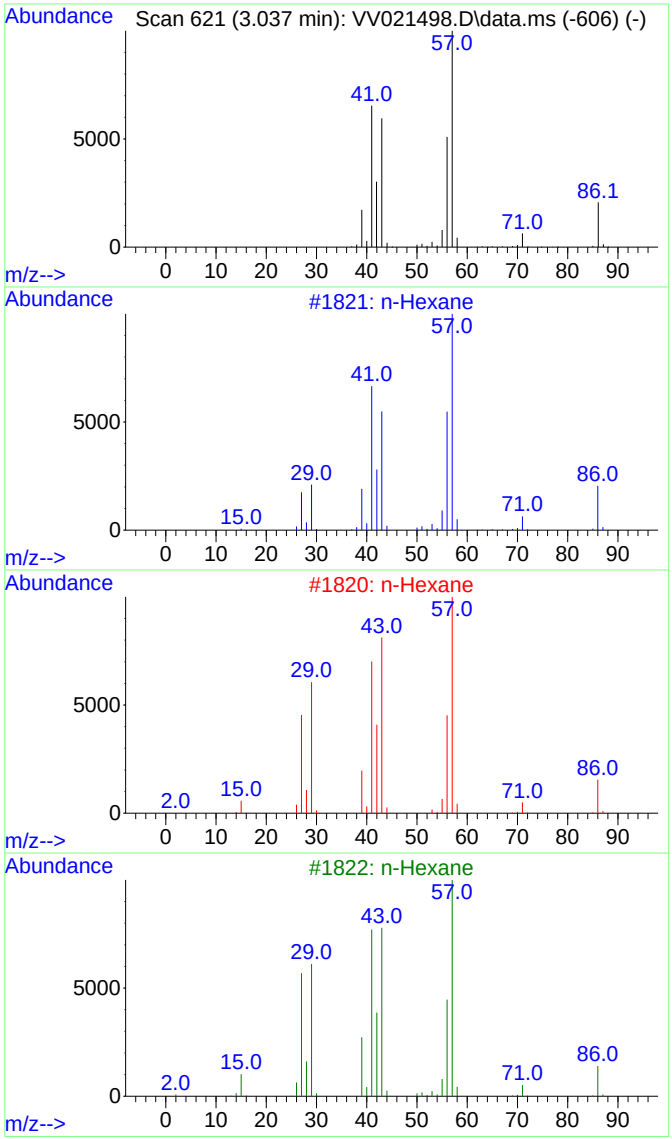
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

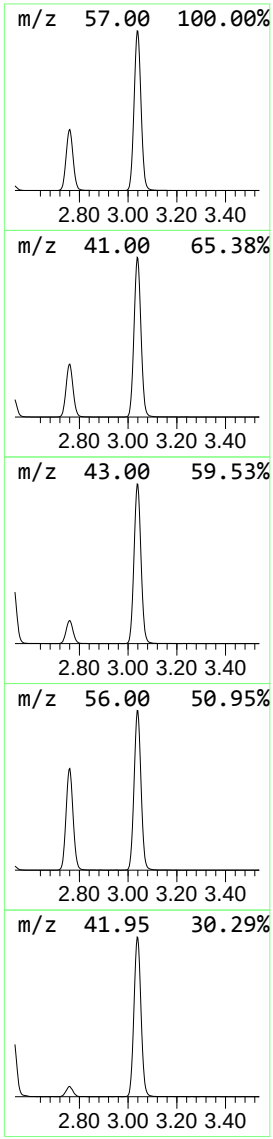
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.037 | 281.51 ug/L | 5580810 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 94 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 78 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 78 |
| 4 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 50 |
| 5 | Propanal, 2,2-dimethyl- | 86 | C5H10O | 000630-19-3 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

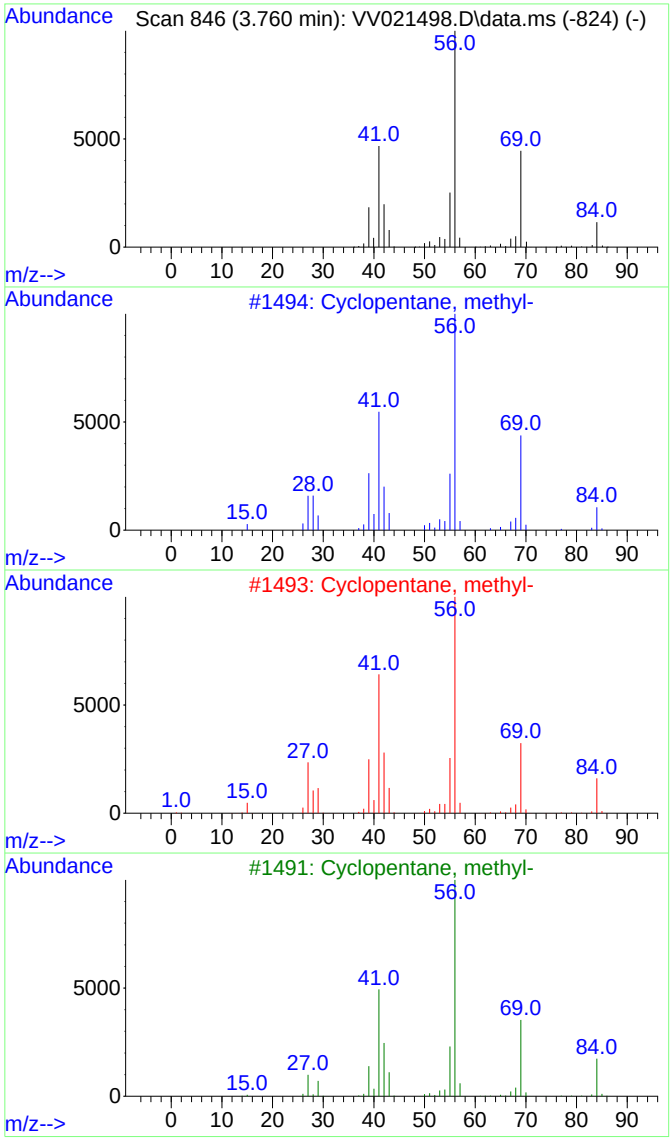
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

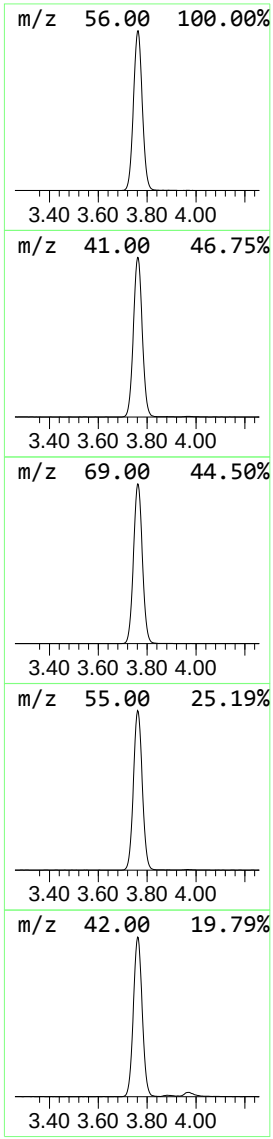
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Cyclic3.760 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.760 | 275.85 ug/L | 5468490 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 3 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 78 |
| 4 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 72 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021498.D
Acq On : 04 Jun 2021 11:40
Operator : SY/MD
Sample : M2605-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7J9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.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 |
| (DEL) Alkane: S... | 2.529 | 50.5 | ug/L | 1000190 | 1 | 5.616 | 991215 | 50.0 |
| (DEL) Alkane: S... | 2.760 | 92.9 | ug/L | 1842400 | 1 | 5.616 | 991215 | 50.0 |
| (DEL) Alkane: S... | 3.037 | 281.5 | ug/L | 5580810 | 1 | 5.616 | 991215 | 50.0 |
| (DEL) Alkane: C... | 3.760 | 275.9 | ug/L | 5468490 | 1 | 5.616 | 991215 | 50.0 |