LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
Data File : VV037060.D
Acq On : 27 Aug 2024 03:57
Operator : SY/MD
Sample : P3691-15
Misc : 5.00mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1K61

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\SFAMVLM082624WMA.M
Title : VOC Analysis

Signal : TIC: VV037060.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.085 | 8 | 14 | 31 | rVB | 452772 | 440329 | 0.23% | 0.166% |
| 2 | 1.172 | 34 | 41 | 64 | rBV | 134283 | 281708 | 0.15% | 0.106% |
| 3 | 1.278 | 67 | 74 | 102 | rVV3 | 39275711 | 55457642 | 28.97% | 20.847% |
| 4 | 1.532 | 146 | 153 | 169 | rVB | 261774 | 326013 | 0.17% | 0.123% |
| 5 | 2.063 | 307 | 318 | 329 | rBV3 | 1031672 | 1731598 | 0.90% | 0.651% |
| 6 | 2.153 | 340 | 346 | 358 | rVB | 92993 | 136721 | 0.07% | 0.051% |
| 7 | 2.371 | 407 | 414 | 428 | rVB | 113800 | 183505 | 0.10% | 0.069% |
| 8 | 2.690 | 504 | 513 | 526 | rVB | 199487 | 332780 | 0.17% | 0.125% |
| 9 | 3.249 | 681 | 687 | 689 | rBV7 | 1447 | 1587 | 0.00% | 0.001% |
| 10 | 3.301 | 700 | 703 | 709 | rVB7 | 2015 | 1646 | 0.00% | 0.001% |
| 11 | 3.391 | 729 | 731 | 736 | rBV5 | 1407 | 1243 | 0.00% | 0.000% |
| 12 | 3.622 | 800 | 803 | 807 | rBV5 | 984 | 908 | 0.00% | 0.000% |
| 13 | 3.809 | 841 | 861 | 948 | rBV5 | 72941044 | 191462026 | 100.00% | 71.971% |
| 14 | 4.243 | 983 | 996 | 1020 | rVB | 387906 | 959155 | 0.50% | 0.361% |
| 15 | 4.812 | 1171 | 1173 | 1175 | rBV2 | 1554 | 971 | 0.00% | 0.000% |
| 16 | 4.950 | 1200 | 1216 | 1247 | rBV2 | 972797 | 2447960 | 1.28% | 0.920% |
| 17 | 5.445 | 1367 | 1370 | 1378 | rVB8 | 1648 | 1387 | 0.00% | 0.001% |
| 18 | 5.529 | 1385 | 1396 | 1419 | rBV | 647002 | 1316049 | 0.69% | 0.495% |
| 19 | 5.985 | 1525 | 1538 | 1563 | rBV | 555239 | 1133160 | 0.59% | 0.426% |
| 20 | 6.497 | 1694 | 1697 | 1699 | rBV5 | 1399 | 864 | 0.00% | 0.000% |
| 21 | 6.580 | 1719 | 1723 | 1725 | rBV5 | 1536 | 1273 | 0.00% | 0.000% |
| 22 | 6.641 | 1738 | 1742 | 1746 | rBV5 | 1388 | 1507 | 0.00% | 0.001% |
| 23 | 6.683 | 1753 | 1755 | 1761 | rVB6 | 1921 | 1362 | 0.00% | 0.001% |
| 24 | 6.715 | 1761 | 1765 | 1768 | rBV5 | 1423 | 1299 | 0.00% | 0.000% |
| 25 | 6.796 | 1788 | 1790 | 1794 | rVB5 | 1506 | 1027 | 0.00% | 0.000% |
| 26 | 6.908 | 1815 | 1825 | 1841 | rBV | 265906 | 492440 | 0.26% | 0.185% |
| 27 | 7.239 | 1916 | 1928 | 1952 | rBV | 1109177 | 1963807 | 1.03% | 0.738% |
| 28 | 7.551 | 2015 | 2025 | 2058 | rBV | 173013 | 325732 | 0.17% | 0.122% |
| 29 | 7.870 | 2117 | 2124 | 2140 | rVB2 | 13239 | 24311 | 0.01% | 0.009% |
| 30 | 8.024 | 2163 | 2172 | 2218 | rBV | 394820 | 812750 | 0.42% | 0.306% |
| 31 | 8.198 | 2224 | 2226 | 2227 | rBV2 | 2362 | 1039 | 0.00% | 0.000% |
| 32 | 8.259 | 2243 | 2245 | 2249 | rVB5 | 2566 | 1452 | 0.00% | 0.001% |
| 33 | 8.291 | 2253 | 2255 | 2261 | rBV7 | 1494 | 1428 | 0.00% | 0.001% |
| 34 | 8.352 | 2271 | 2274 | 2279 | rBV6 | 1583 | 1260 | 0.00% | 0.000% |
| 35 | 8.516 | 2322 | 2325 | 2328 | rVB5 | 1115 | 820 | 0.00% | 0.000% |
| 36 | 8.657 | 2363 | 2369 | 2370 | rBV6 | 2070 | 2094 | 0.00% | 0.001% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
Data File : VV037060.D
Acq On : 27 Aug 2024 03:57
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Sample : P3691-15
Misc : 5.00mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1K61

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\SFAMVLM082624WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.731 | 2386 | 2392 | 2393 | rBV5 | 1173 | 1234 | 0.00% | 0.000% |
| 38 | 8.780 | 2396 | 2407 | 2432 | rVV | 1004167 | 1660664 | 0.87% | 0.624% |
| 39 | 9.008 | 2474 | 2478 | 2479 | rBV4 | 1308 | 856 | 0.00% | 0.000% |
| 40 | 9.165 | 2523 | 2527 | 2529 | rBV5 | 1181 | 844 | 0.00% | 0.000% |
| 41 | 9.362 | 2585 | 2588 | 2593 | rBV7 | 1092 | 975 | 0.00% | 0.000% |
| 42 | 9.603 | 2659 | 2663 | 2665 | rBV5 | 1427 | 1282 | 0.00% | 0.000% |
| 43 | 9.635 | 2667 | 2673 | 2677 | rVV10 | 1760 | 1811 | 0.00% | 0.001% |
| 44 | 9.722 | 2697 | 2700 | 2702 | rBV4 | 1370 | 967 | 0.00% | 0.000% |
| 45 | 9.853 | 2738 | 2741 | 2744 | rBV4 | 1344 | 1020 | 0.00% | 0.000% |
| 46 | 10.149 | 2819 | 2833 | 2849 | rBV | 662304 | 1050795 | 0.55% | 0.395% |
| 47 | 10.278 | 2871 | 2873 | 2876 | rBV3 | 1223 | 968 | 0.00% | 0.000% |
| 48 | 10.480 | 2933 | 2936 | 2938 | rBV4 | 1292 | 911 | 0.00% | 0.000% |
| 49 | 10.522 | 2946 | 2949 | 2952 | rVB5 | 1607 | 987 | 0.00% | 0.000% |
| 50 | 10.725 | 3010 | 3012 | 3017 | rBV6 | 1090 | 1088 | 0.00% | 0.000% |
| 51 | 10.828 | 3042 | 3044 | 3047 | rBV4 | 1771 | 1031 | 0.00% | 0.000% |
| 52 | 10.863 | 3051 | 3055 | 3060 | rBV7 | 1499 | 1655 | 0.00% | 0.001% |
| 53 | 11.043 | 3108 | 3111 | 3115 | rBV4 | 928 | 819 | 0.00% | 0.000% |
| 54 | 11.114 | 3129 | 3133 | 3136 | rBV5 | 1997 | 1651 | 0.00% | 0.001% |
| 55 | 11.181 | 3143 | 3154 | 3184 | rBV | 1002106 | 1623198 | 0.85% | 0.610% |
| 56 | 11.403 | 3220 | 3223 | 3228 | rVB6 | 2542 | 2435 | 0.00% | 0.001% |
| 57 | 11.429 | 3228 | 3231 | 3233 | rBV5 | 1390 | 859 | 0.00% | 0.000% |
| 58 | 11.455 | 3237 | 3239 | 3244 | rVB5 | 1945 | 1090 | 0.00% | 0.000% |
| 59 | 11.484 | 3246 | 3248 | 3252 | rBV4 | 1199 | 811 | 0.00% | 0.000% |
| 60 | 11.554 | 3255 | 3270 | 3301 | rBV | 1110521 | 1768906 | 0.92% | 0.665% |
| 61 | 11.747 | 3327 | 3330 | 3333 | rBV5 | 1553 | 1116 | 0.00% | 0.000% |
| 62 | 11.808 | 3346 | 3349 | 3355 | rBV6 | 1573 | 1378 | 0.00% | 0.001% |
| 63 | 11.841 | 3356 | 3359 | 3364 | rVB6 | 2205 | 1811 | 0.00% | 0.001% |
| 64 | 11.869 | 3364 | 3368 | 3371 | rBV7 | 1982 | 1682 | 0.00% | 0.001% |
| 65 | 11.915 | 3377 | 3382 | 3384 | rBV5 | 1086 | 950 | 0.00% | 0.000% |
| 66 | 12.217 | 3474 | 3476 | 3480 | rVB4 | 1286 | 856 | 0.00% | 0.000% |
| 67 | 12.545 | 3574 | 3578 | 3580 | rBV4 | 1366 | 1037 | 0.00% | 0.000% |
| 68 | 12.619 | 3599 | 3601 | 3607 | rBV5 | 1965 | 1561 | 0.00% | 0.001% |
| 69 | 12.648 | 3607 | 3610 | 3615 | rBV6 | 1457 | 1036 | 0.00% | 0.000% |
| 70 | 12.702 | 3621 | 3627 | 3629 | rBV7 | 1318 | 1432 | 0.00% | 0.001% |
| 71 | 12.725 | 3632 | 3634 | 3637 | rVV3 | 1040 | 788 | 0.00% | 0.000% |
| 72 | 12.831 | 3665 | 3667 | 3671 | rVB5 | 1877 | 1234 | 0.00% | 0.000% |
| 73 | 13.004 | 3717 | 3721 | 3723 | rBV4 | 2114 | 1387 | 0.00% | 0.001% |
| 74 | 13.213 | 3779 | 3786 | 3790 | rBV9 | 1346 | 1561 | 0.00% | 0.001% |
| 75 | 13.310 | 3814 | 3816 | 3823 | rVB6 | 2085 | 1516 | 0.00% | 0.001% |
| 76 | 13.358 | 3826 | 3831 | 3833 | rBV6 | 2091 | 1841 | 0.00% | 0.001% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
Data File : VV037060.D
Acq On : 27 Aug 2024 03:57
Operator : SY/MD
Sample : P3691-15
Misc : 5.00mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1K61

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\SFAMVLM082624WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.455 | 3858 | 3861 | 3864 | rBV4 | 1158 | 1041 | 0.00% | 0.000% |
| 78 | 13.493 | 3871 | 3873 | 3877 | rVB4 | 1339 | 867 | 0.00% | 0.000% |
| 79 | 13.509 | 3877 | 3878 | 3884 | rVB6 | 1444 | 1234 | 0.00% | 0.000% |
| 80 | 13.577 | 3896 | 3899 | 3903 | rVB5 | 1375 | 1003 | 0.00% | 0.000% |
| 81 | 13.644 | 3916 | 3920 | 3922 | rBV4 | 1705 | 1278 | 0.00% | 0.000% |
| 82 | 13.795 | 3962 | 3967 | 3968 | rBV5 | 1384 | 995 | 0.00% | 0.000% |
| 83 | 13.914 | 4000 | 4004 | 4005 | rBV3 | 1117 | 884 | 0.00% | 0.000% |
| 84 | 13.995 | 4027 | 4029 | 4031 | rBV3 | 1790 | 1093 | 0.00% | 0.000% |
| 85 | 14.056 | 4046 | 4048 | 4051 | rVB4 | 1671 | 852 | 0.00% | 0.000% |
| 86 | 14.088 | 4051 | 4058 | 4061 | rBV7 | 1640 | 1619 | 0.00% | 0.001% |
| 87 | 14.268 | 4111 | 4114 | 4115 | rBV3 | 1632 | 914 | 0.00% | 0.000% |
| 88 | 14.512 | 4186 | 4190 | 4197 | rVB6 | 1514 | 1880 | 0.00% | 0.001% |
| 89 | 14.545 | 4197 | 4200 | 4202 | rBV4 | 1479 | 1015 | 0.00% | 0.000% |
| 90 | 14.625 | 4223 | 4225 | 4230 | rBV6 | 1118 | 1162 | 0.00% | 0.000% |
| 91 | 14.776 | 4270 | 4272 | 4276 | rVB5 | 1341 | 929 | 0.00% | 0.000% |
| 92 | 14.934 | 4319 | 4321 | 4325 | rVB5 | 1597 | 1039 | 0.00% | 0.000% |
| 93 | 14.956 | 4325 | 4328 | 4333 | rVB5 | 1887 | 1625 | 0.00% | 0.001% |
| 94 | 15.004 | 4341 | 4343 | 4346 | rBV5 | 1395 | 955 | 0.00% | 0.000% |
| 95 | 15.082 | 4362 | 4367 | 4369 | rBV6 | 2066 | 2142 | 0.00% | 0.001% |
| 96 | 15.101 | 4371 | 4373 | 4380 | rVB6 | 1720 | 1548 | 0.00% | 0.001% |
| 97 | 15.268 | 4421 | 4425 | 4427 | rBV6 | 2055 | 1706 | 0.00% | 0.001% |
| 98 | 15.297 | 4431 | 4434 | 4436 | rBV3 | 1555 | 1098 | 0.00% | 0.000% |
| 99 | 15.567 | 4516 | 4518 | 4523 | rBV5 | 1822 | 1365 | 0.00% | 0.001% |
| 100 | 15.625 | 4533 | 4536 | 4537 | rBV2 | 1392 | 839 | 0.00% | 0.000% |

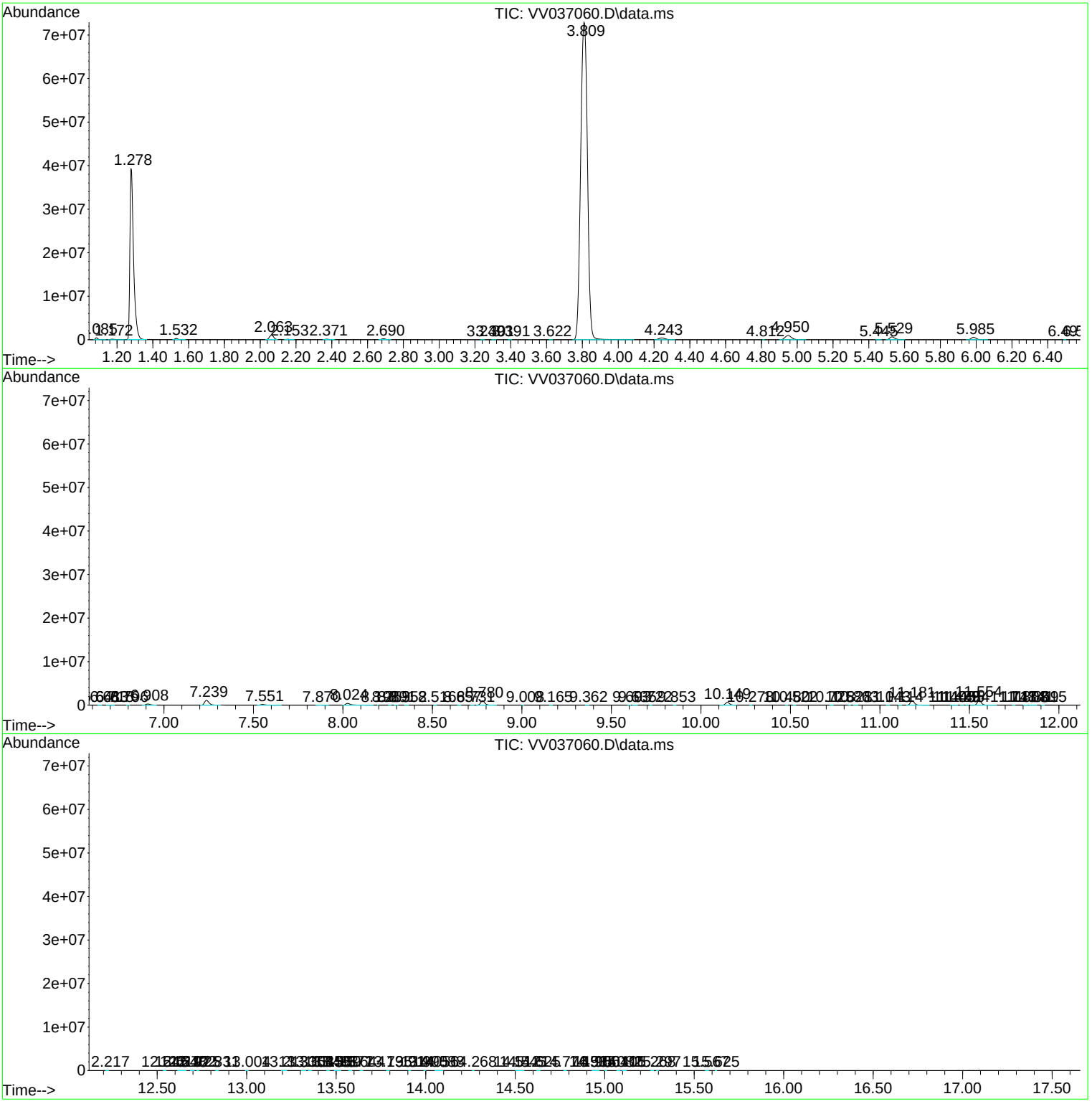
Sum of corrected areas: 266027979

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
Data File : VV037060.D
Acq On : 27 Aug 2024 03:57
Operator : SY/MD
Sample : P3691-15
Misc : 5.00mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1K61

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
Data File : VV037060.D
Acq On : 27 Aug 2024 03:57
Operator : SY/MD
Sample : P3691-15
Misc : 5.00mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1K61

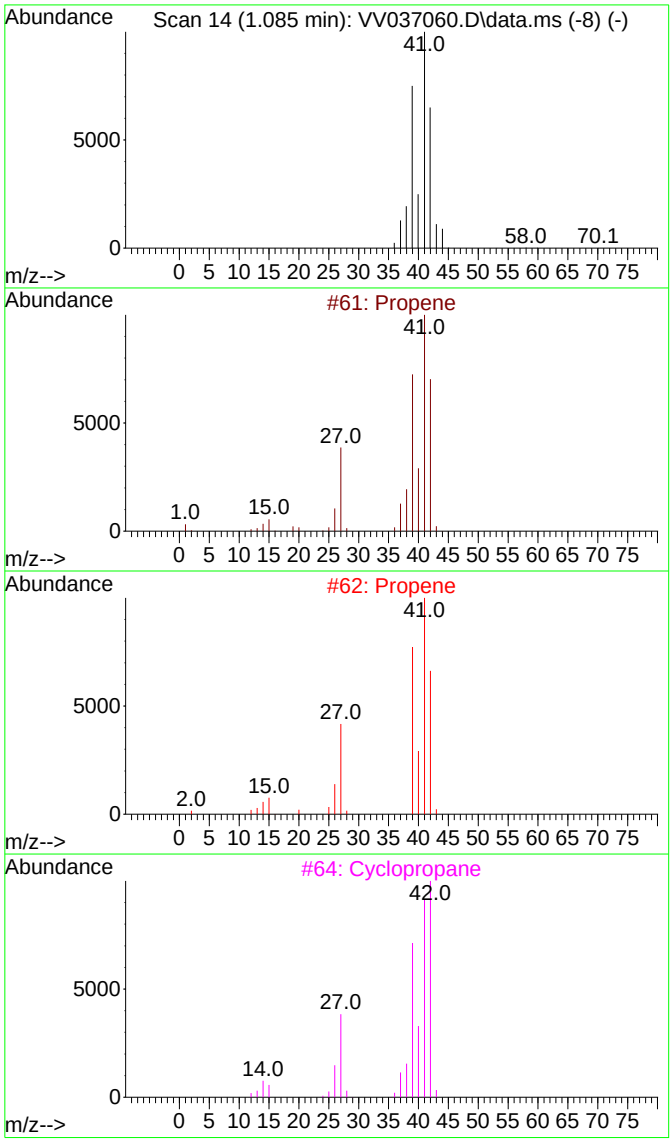
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
Quant Title : VOC Analysis

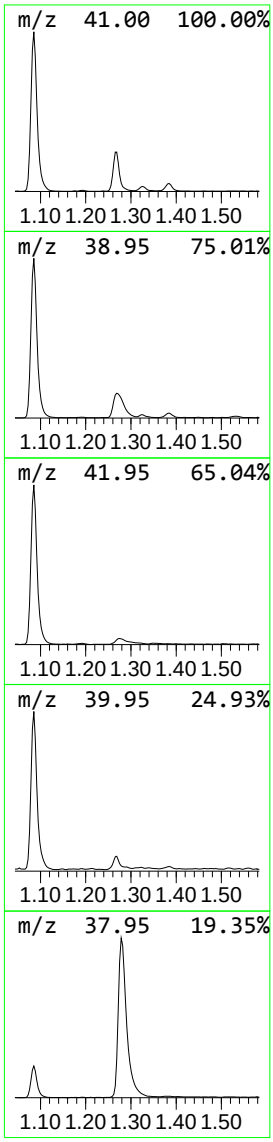
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.085 | 16.73 ug/L | 440329 | 1,4-Difluorobenzene | 5.529 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 90 |
| 2 | Propene | 42 | C3H6 | 000115-07-1 | 42 |
| 3 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 9 |
| 4 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 9 |
| 5 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
Data File : VV037060.D
Acq On : 27 Aug 2024 03:57
Operator : SY/MD
Sample : P3691-15
Misc : 5.00mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1K61

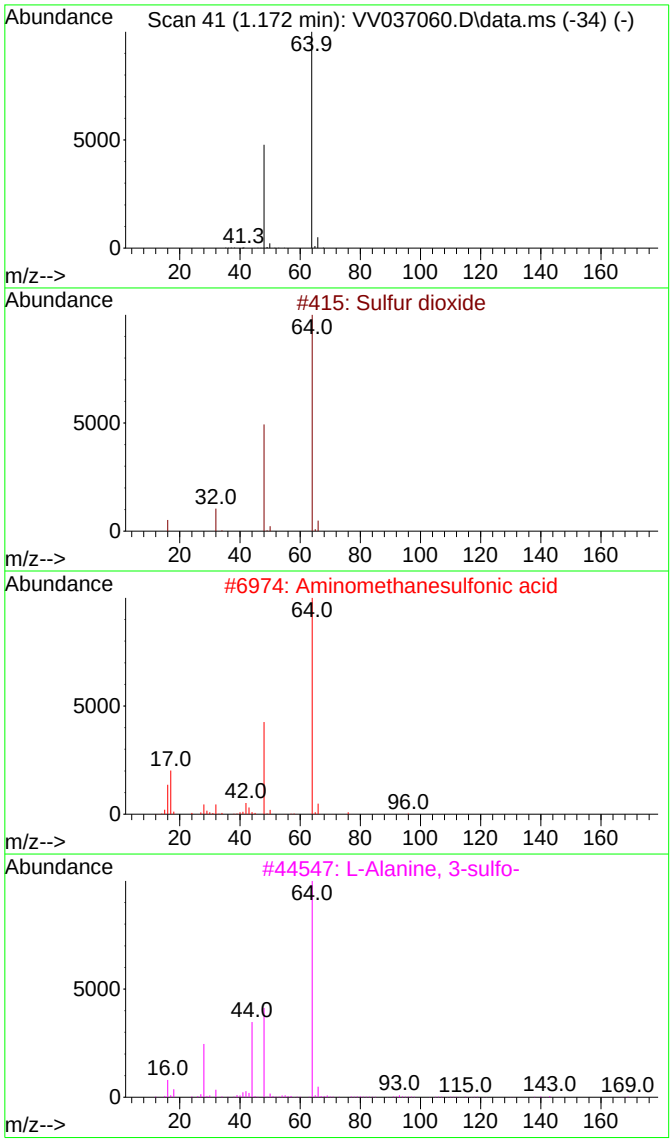
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
Quant Title : VOC Analysis

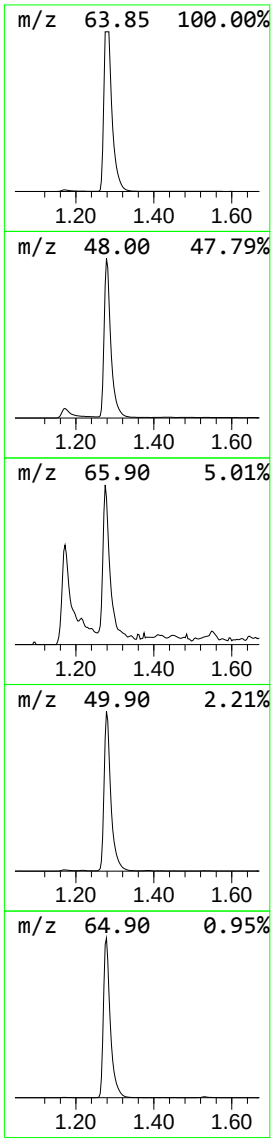
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Sulfur dioxide Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.172 | 10.70 ug/L | 281708 | 1,4-Difluorobenzene | 5.529 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 83 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 74 |
| 3 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 4 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 5 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 5 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
Data File : VV037060.D
Acq On : 27 Aug 2024 03:57
Operator : SY/MD
Sample : P3691-15
Misc : 5.00mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1K61

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.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 |
| (DEL) Alkane: S... | 1.085 | 16.7 | ug/L | 440329 | 1 | 5.529 | 1316050 | 50.0 |
| Sulfur dioxide | 1.172 | 10.7 | ug/L | 281708 | 1 | 5.529 | 1316050 | 50.0 |