LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035814.D
Acq On : 25 May 2024 22:12
Operator : SY/MD
Sample : P2586-05
Misc : 5.52g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** A4D18

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\SFAMVLM050624SMA.M
Title : VOC Analysis

Signal : TIC: VV035814.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.275 | 68 | 73 | 86 | rVB | 99738 | 105637 | 20.89% | 3.323% |
| 2 | 1.526 | 147 | 151 | 165 | rVB | 78749 | 90969 | 17.99% | 2.861% |
| 3 | 2.053 | 306 | 315 | 336 | rVB | 138789 | 208802 | 41.28% | 6.568% |
| 4 | 2.153 | 338 | 346 | 364 | rVB | 20240 | 36835 | 7.28% | 1.159% |
| 5 | 2.619 | 489 | 491 | 493 | rBV3 | 278 | 168 | 0.03% | 0.005% |
| 6 | 2.767 | 533 | 537 | 539 | rBV2 | 377 | 271 | 0.05% | 0.009% |
| 7 | 2.825 | 552 | 555 | 557 | rBV | 200 | 123 | 0.02% | 0.004% |
| 8 | 2.863 | 563 | 567 | 571 | rBV | 301 | 315 | 0.06% | 0.010% |
| 9 | 2.886 | 571 | 574 | 577 | rVB2 | 382 | 256 | 0.05% | 0.008% |
| 10 | 2.966 | 593 | 599 | 613 | rVB7 | 1419 | 2770 | 0.55% | 0.087% |
| 11 | 3.043 | 619 | 623 | 628 | rVB3 | 270 | 226 | 0.04% | 0.007% |
| 12 | 3.133 | 649 | 651 | 656 | rBV3 | 199 | 148 | 0.03% | 0.005% |
| 13 | 3.159 | 656 | 659 | 660 | rBV2 | 268 | 142 | 0.03% | 0.004% |
| 14 | 3.223 | 676 | 679 | 682 | rVB2 | 223 | 132 | 0.03% | 0.004% |
| 15 | 3.281 | 695 | 697 | 700 | rBV | 218 | 87 | 0.02% | 0.003% |
| 16 | 3.304 | 700 | 704 | 708 | rVB2 | 326 | 310 | 0.06% | 0.010% |
| 17 | 3.326 | 708 | 711 | 713 | rBV | 260 | 161 | 0.03% | 0.005% |
| 18 | 3.346 | 715 | 717 | 723 | rBV2 | 175 | 140 | 0.03% | 0.004% |
| 19 | 3.500 | 758 | 765 | 768 | rBV2 | 317 | 347 | 0.07% | 0.011% |
| 20 | 3.574 | 786 | 788 | 792 | rVB | 246 | 152 | 0.03% | 0.005% |
| 21 | 3.603 | 794 | 797 | 800 | rBV | 237 | 174 | 0.03% | 0.005% |
| 22 | 3.683 | 819 | 822 | 824 | rBV | 159 | 88 | 0.02% | 0.003% |
| 23 | 3.725 | 830 | 835 | 839 | rBV | 196 | 178 | 0.04% | 0.006% |
| 24 | 3.773 | 847 | 850 | 852 | rVB | 287 | 161 | 0.03% | 0.005% |
| 25 | 3.793 | 852 | 856 | 858 | rBV3 | 269 | 209 | 0.04% | 0.007% |
| 26 | 4.249 | 983 | 998 | 1027 | rBV | 88040 | 239221 | 47.30% | 7.524% |
| 27 | 4.477 | 1065 | 1069 | 1072 | rVB3 | 572 | 424 | 0.08% | 0.013% |
| 28 | 4.497 | 1072 | 1075 | 1076 | rBV2 | 212 | 110 | 0.02% | 0.003% |
| 29 | 4.510 | 1076 | 1079 | 1082 | rVB4 | 539 | 307 | 0.06% | 0.010% |
| 30 | 4.526 | 1082 | 1084 | 1090 | rBV4 | 399 | 347 | 0.07% | 0.011% |
| 31 | 4.677 | 1128 | 1131 | 1138 | rVB2 | 342 | 318 | 0.06% | 0.010% |
| 32 | 4.715 | 1141 | 1143 | 1149 | rVB2 | 299 | 212 | 0.04% | 0.007% |
| 33 | 4.741 | 1149 | 1151 | 1152 | rBV | 313 | 145 | 0.03% | 0.005% |
| 34 | 4.799 | 1167 | 1169 | 1172 | rVB2 | 256 | 133 | 0.03% | 0.004% |
| 35 | 4.818 | 1172 | 1175 | 1176 | rBV | 254 | 115 | 0.02% | 0.004% |
| 36 | 4.957 | 1204 | 1218 | 1248 | rBV3 | 191222 | 505763 | 100.00% | 15.908% |

LSC Area Percent Report

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Acq On : 25 May 2024 22:12
Operator : SY/MD
Sample : P2586-05
Misc : 5.52g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
A4D18

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\SFAMVLM050624SMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 5.301 | 1322 | 1325 | 1331 | rBV3 | 433 | 333 | 0.07% | 0.010% |
| 38 | 5.535 | 1386 | 1398 | 1424 | rBV | 175525 | 380870 | 75.31% | 11.980% |
| 39 | 5.838 | 1480 | 1492 | 1510 | rBV3 | 8343 | 21145 | 4.18% | 0.665% |
| 40 | 5.989 | 1526 | 1539 | 1570 | rBV2 | 111982 | 249563 | 49.34% | 7.850% |
| 41 | 6.220 | 1608 | 1611 | 1614 | rVB3 | 486 | 366 | 0.07% | 0.012% |
| 42 | 6.243 | 1614 | 1618 | 1619 | rBV2 | 274 | 196 | 0.04% | 0.006% |
| 43 | 6.272 | 1624 | 1627 | 1630 | rBV2 | 216 | 155 | 0.03% | 0.005% |
| 44 | 6.452 | 1679 | 1683 | 1686 | rBV2 | 343 | 248 | 0.05% | 0.008% |
| 45 | 6.500 | 1695 | 1698 | 1701 | rBV | 284 | 209 | 0.04% | 0.007% |
| 46 | 6.548 | 1710 | 1713 | 1718 | rBV | 191 | 204 | 0.04% | 0.006% |
| 47 | 6.587 | 1722 | 1725 | 1728 | rVV | 240 | 144 | 0.03% | 0.005% |
| 48 | 6.625 | 1733 | 1737 | 1740 | rBV | 202 | 170 | 0.03% | 0.005% |
| 49 | 6.641 | 1740 | 1742 | 1745 | rVB | 340 | 177 | 0.03% | 0.006% |
| 50 | 6.664 | 1745 | 1749 | 1751 | rBV2 | 264 | 168 | 0.03% | 0.005% |
| 51 | 6.773 | 1780 | 1783 | 1785 | rBV | 139 | 93 | 0.02% | 0.003% |
| 52 | 6.831 | 1798 | 1801 | 1805 | rVB2 | 268 | 187 | 0.04% | 0.006% |
| 53 | 6.876 | 1810 | 1815 | 1819 | rBV2 | 323 | 344 | 0.07% | 0.011% |
| 54 | 6.927 | 1821 | 1831 | 1858 | rBV3 | 16596 | 41410 | 8.19% | 1.302% |
| 55 | 7.133 | 1893 | 1895 | 1899 | rBV2 | 320 | 223 | 0.04% | 0.007% |
| 56 | 7.149 | 1899 | 1900 | 1904 | rVB | 376 | 207 | 0.04% | 0.007% |
| 57 | 7.175 | 1906 | 1908 | 1911 | rVB2 | 316 | 149 | 0.03% | 0.005% |
| 58 | 7.246 | 1920 | 1930 | 1958 | rBV | 160337 | 305113 | 60.33% | 9.597% |
| 59 | 7.571 | 2023 | 2031 | 2052 | rBV4 | 10695 | 26485 | 5.24% | 0.833% |
| 60 | 7.751 | 2085 | 2087 | 2093 | rVB2 | 376 | 206 | 0.04% | 0.006% |
| 61 | 7.815 | 2104 | 2107 | 2111 | rVB2 | 505 | 360 | 0.07% | 0.011% |
| 62 | 7.873 | 2117 | 2125 | 2134 | rVV4 | 3495 | 6131 | 1.21% | 0.193% |
| 63 | 7.995 | 2161 | 2163 | 2165 | rBV2 | 252 | 146 | 0.03% | 0.005% |
| 64 | 8.072 | 2179 | 2187 | 2204 | rBV8 | 3578 | 10966 | 2.17% | 0.345% |
| 65 | 8.294 | 2253 | 2256 | 2258 | rBV2 | 435 | 300 | 0.06% | 0.009% |
| 66 | 8.429 | 2296 | 2298 | 2300 | rBV2 | 283 | 118 | 0.02% | 0.004% |
| 67 | 8.445 | 2300 | 2303 | 2306 | rBV2 | 378 | 258 | 0.05% | 0.008% |
| 68 | 8.545 | 2330 | 2334 | 2337 | rBV2 | 281 | 197 | 0.04% | 0.006% |
| 69 | 8.571 | 2340 | 2342 | 2344 | rBV | 202 | 103 | 0.02% | 0.003% |
| 70 | 8.632 | 2358 | 2361 | 2362 | rBV2 | 184 | 123 | 0.02% | 0.004% |
| 71 | 8.786 | 2398 | 2409 | 2434 | rBV | 223432 | 389230 | 76.96% | 12.243% |
| 72 | 9.091 | 2502 | 2504 | 2508 | rBV2 | 419 | 344 | 0.07% | 0.011% |
| 73 | 9.246 | 2550 | 2552 | 2553 | rBV2 | 181 | 93 | 0.02% | 0.003% |
| 74 | 9.316 | 2573 | 2574 | 2578 | rBV | 138 | 93 | 0.02% | 0.003% |
| 75 | 9.339 | 2578 | 2581 | 2588 | rVV3 | 493 | 510 | 0.10% | 0.016% |
| 76 | 9.509 | 2632 | 2634 | 2637 | rBV2 | 238 | 129 | 0.03% | 0.004% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035814.D
Acq On : 25 May 2024 22:12
Operator : SY/MD
Sample : P2586-05
Misc : 5.52g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
A4D18

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\SFAMVLM050624SMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 9.529 | 2637 | 2640 | 2641 | rBV2 | 210 | 124 | 0.02% | 0.004% |
| 78 | 9.558 | 2645 | 2649 | 2653 | rBV | 354 | 342 | 0.07% | 0.011% |
| 79 | 9.599 | 2659 | 2662 | 2666 | rVB2 | 363 | 257 | 0.05% | 0.008% |
| 80 | 9.632 | 2667 | 2672 | 2676 | rVB4 | 318 | 349 | 0.07% | 0.011% |
| 81 | 9.670 | 2681 | 2684 | 2687 | rBV | 373 | 292 | 0.06% | 0.009% |
| 82 | 9.689 | 2687 | 2690 | 2691 | rBV | 184 | 112 | 0.02% | 0.004% |
| 83 | 9.715 | 2695 | 2698 | 2699 | rBV | 340 | 205 | 0.04% | 0.006% |
| 84 | 9.969 | 2773 | 2777 | 2781 | rBV2 | 336 | 298 | 0.06% | 0.009% |
| 85 | 10.040 | 2796 | 2799 | 2801 | rBV2 | 327 | 176 | 0.03% | 0.006% |
| 86 | 10.152 | 2824 | 2834 | 2853 | rBV | 74303 | 124277 | 24.57% | 3.909% |
| 87 | 10.493 | 2938 | 2940 | 2943 | rVB2 | 388 | 180 | 0.04% | 0.006% |
| 88 | 10.567 | 2961 | 2963 | 2965 | rBV | 232 | 116 | 0.02% | 0.004% |
| 89 | 10.670 | 2992 | 2995 | 2997 | rBV | 217 | 113 | 0.02% | 0.004% |
| 90 | 10.699 | 3001 | 3004 | 3006 | rBV2 | 422 | 278 | 0.05% | 0.009% |
| 91 | 10.902 | 3064 | 3067 | 3069 | rBV2 | 337 | 250 | 0.05% | 0.008% |
| 92 | 11.078 | 3116 | 3122 | 3129 | rBV6 | 1418 | 1842 | 0.36% | 0.058% |
| 93 | 11.123 | 3135 | 3136 | 3137 | rBV | 616 | 227 | 0.04% | 0.007% |
| 94 | 11.185 | 3145 | 3155 | 3175 | rBV | 147253 | 246720 | 48.78% | 7.760% |
| 95 | 11.513 | 3254 | 3257 | 3259 | rBV2 | 612 | 389 | 0.08% | 0.012% |
| 96 | 11.561 | 3261 | 3272 | 3293 | rVV | 98447 | 166155 | 32.85% | 5.226% |
| 97 | 11.834 | 3355 | 3357 | 3363 | rVB2 | 516 | 364 | 0.07% | 0.011% |
| 98 | 12.191 | 3460 | 3468 | 3469 | rBV3 | 2095 | 2238 | 0.44% | 0.070% |
| 99 | 13.255 | 3797 | 3799 | 3802 | rVB | 734 | 339 | 0.07% | 0.011% |
| 100 | 13.271 | 3802 | 3804 | 3808 | rBV2 | 392 | 266 | 0.05% | 0.008% |

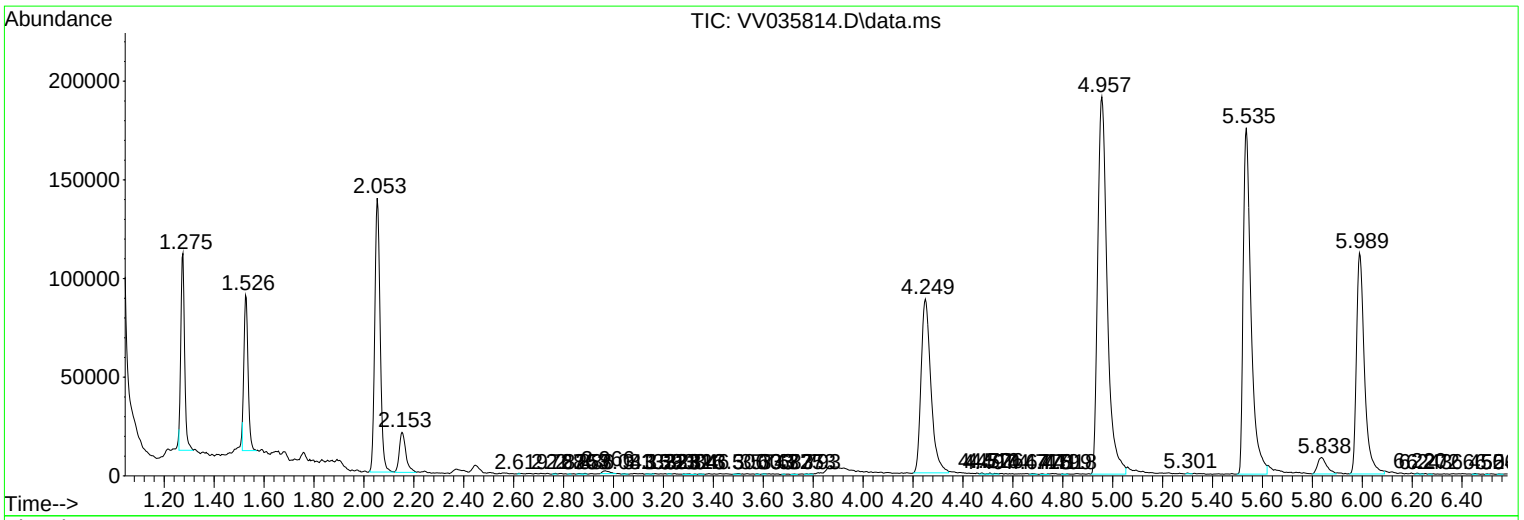
Sum of corrected areas: 3179271

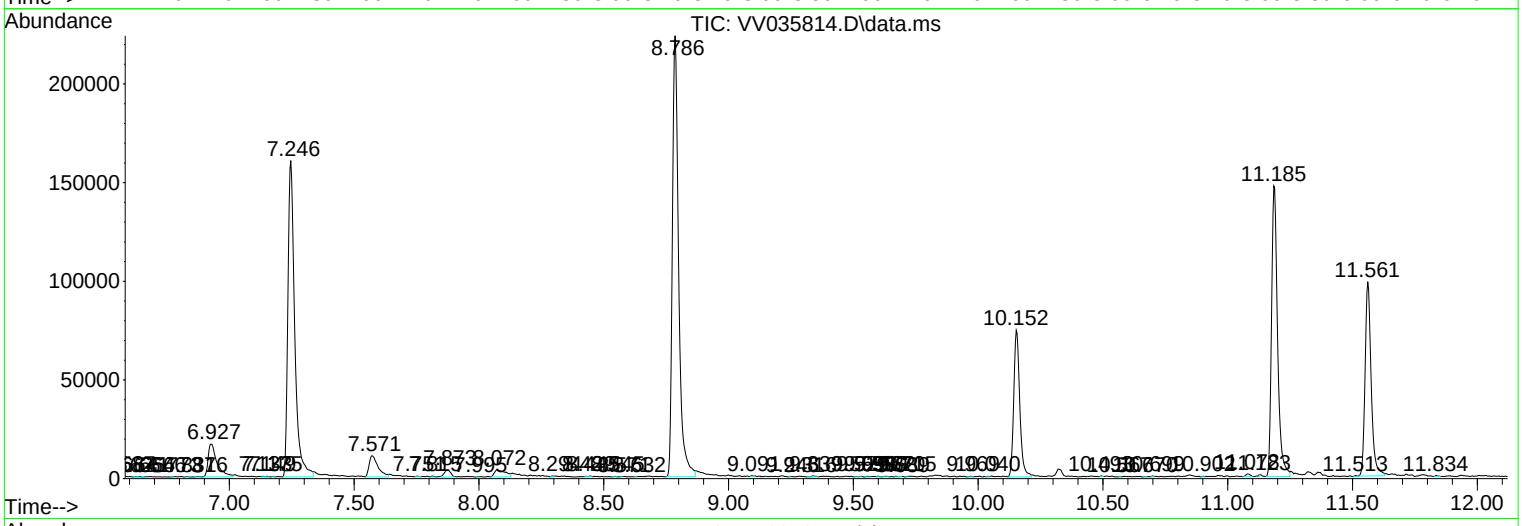
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035814.D
Acq On : 25 May 2024 22:12
Operator : SY/MD
Sample : P2586-05
Misc : 5.52g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 36 Sample Multiplier: 1

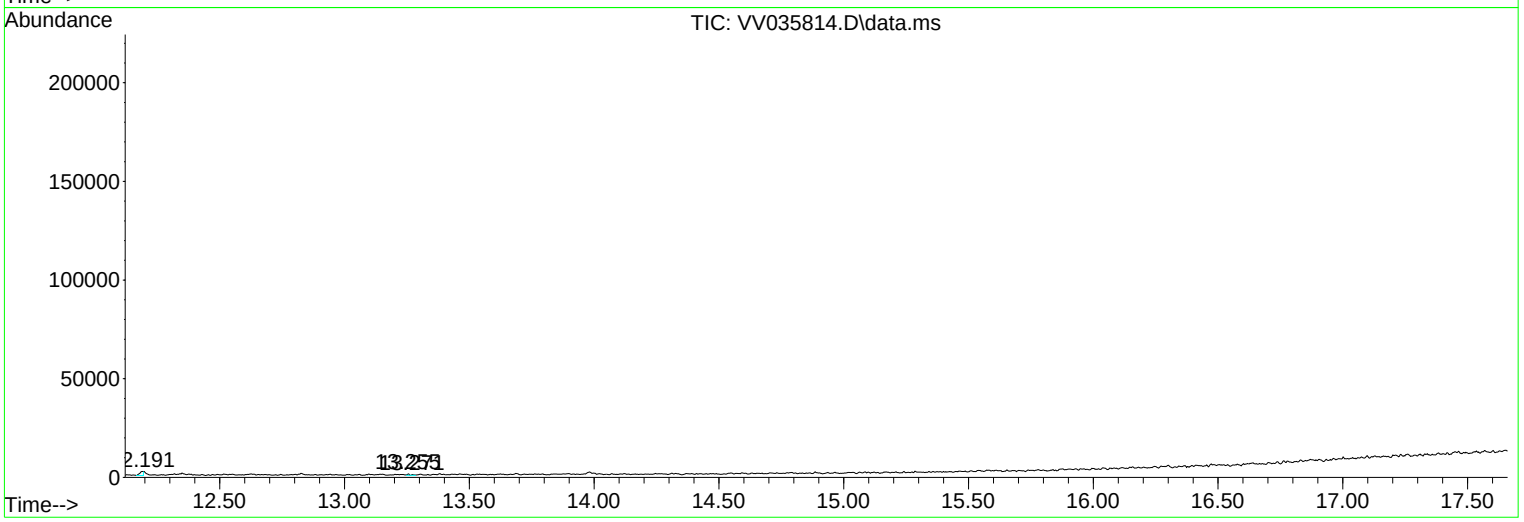
**Instrument :**
MSVOA_V
**ClientSampleId :**
A4D18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035814.D
Acq On : 25 May 2024 22:12
Operator : SY/MD
Sample : P2586-05
Misc : 5.52g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
A4D18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

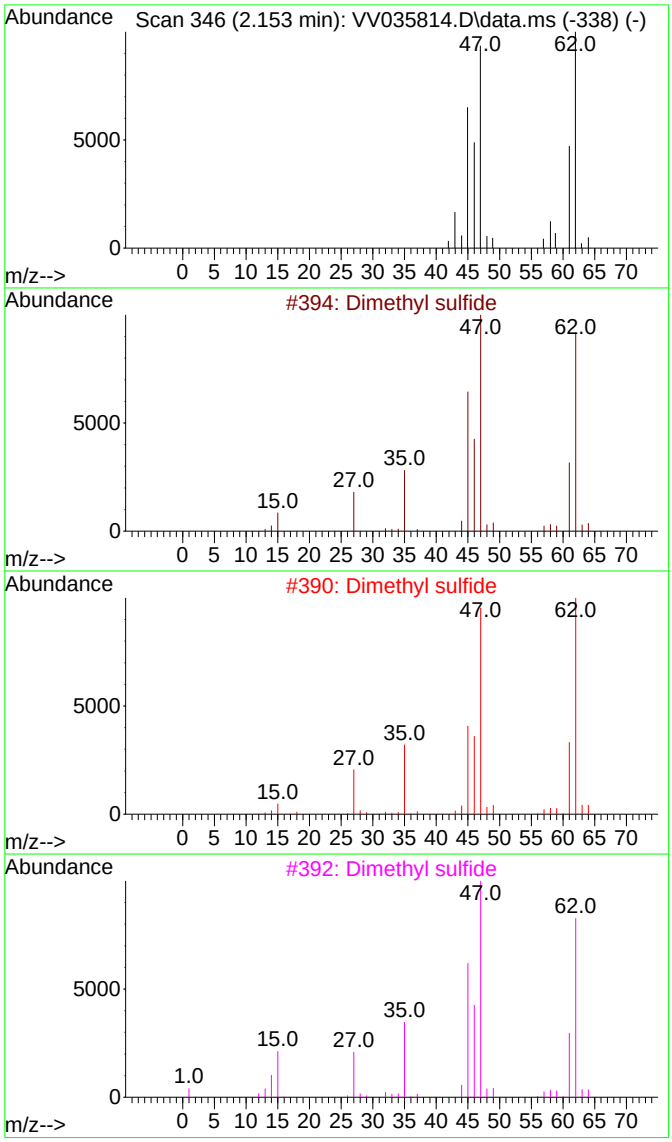
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

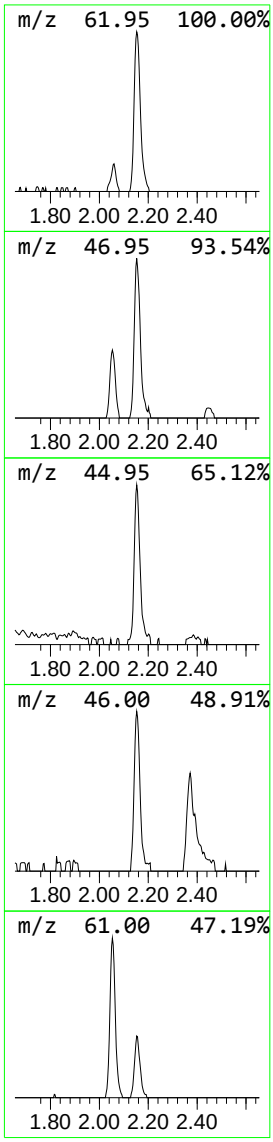
**********

Peak Number 1 Dimethyl sulfide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.153 | 2.42 ug/L | 36835 | 1,4-Difluorobenzene | 5.535 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 2 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 3 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 4 | Borane-methyl sulfide complex | 76 | C2H9BS | 013292-87-0 | 90 |
| 5 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
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Sample : P2586-05
Misc : 5.52g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
A4D18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.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 |
| Dimethyl sulfide | 2.153 | 2.4 | ug/L | 36835 | 1 | 5.535 | 380870 | 25.0 |