LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

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\SFAMVLM053024SMA.M
Title : VOC Analysis

Signal : TIC: VV036051.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 | 66 | 73 | 87 | rVB | 315111 | 343201 | 6.82% | 1.662% |
| 2 | 1.529 | 145 | 152 | 168 | rVB | 252580 | 299005 | 5.94% | 1.448% |
| 3 | 2.053 | 305 | 315 | 337 | rBV | 511766 | 742814 | 14.77% | 3.597% |
| 4 | 2.442 | 424 | 436 | 455 | rBV | 179825 | 304685 | 6.06% | 1.475% |
| 5 | 2.629 | 489 | 494 | 497 | rBV3 | 560 | 438 | 0.01% | 0.002% |
| 6 | 2.693 | 505 | 514 | 528 | rBV2 | 10959 | 20531 | 0.41% | 0.099% |
| 7 | 2.741 | 528 | 529 | 533 | rVB | 623 | 292 | 0.01% | 0.001% |
| 8 | 2.960 | 585 | 597 | 612 | rBV3 | 15144 | 32253 | 0.64% | 0.156% |
| 9 | 3.111 | 629 | 644 | 655 | rBV3 | 6205 | 12831 | 0.26% | 0.062% |
| 10 | 3.166 | 659 | 661 | 665 | rVB3 | 339 | 237 | 0.00% | 0.001% |
| 11 | 3.365 | 721 | 723 | 727 | rVB3 | 462 | 254 | 0.01% | 0.001% |
| 12 | 3.397 | 730 | 733 | 737 | rBV2 | 377 | 354 | 0.01% | 0.002% |
| 13 | 3.535 | 772 | 776 | 779 | rBV2 | 356 | 347 | 0.01% | 0.002% |
| 14 | 3.606 | 793 | 798 | 800 | rBV2 | 358 | 345 | 0.01% | 0.002% |
| 15 | 3.664 | 811 | 816 | 821 | rBV5 | 947 | 1165 | 0.02% | 0.006% |
| 16 | 3.805 | 844 | 860 | 912 | rBV | 2072297 | 5029776 | 100.00% | 24.355% |
| 17 | 4.243 | 981 | 996 | 1028 | rBV2 | 301976 | 787049 | 15.65% | 3.811% |
| 18 | 4.635 | 1115 | 1118 | 1123 | rBV4 | 802 | 579 | 0.01% | 0.003% |
| 19 | 4.664 | 1123 | 1127 | 1131 | rVB3 | 806 | 583 | 0.01% | 0.003% |
| 20 | 4.722 | 1143 | 1145 | 1152 | rVB3 | 322 | 288 | 0.01% | 0.001% |
| 21 | 4.767 | 1155 | 1159 | 1161 | rBV4 | 424 | 379 | 0.01% | 0.002% |
| 22 | 4.876 | 1190 | 1193 | 1195 | rVB | 597 | 303 | 0.01% | 0.001% |
| 23 | 4.950 | 1201 | 1216 | 1254 | rBV2 | 725120 | 1859263 | 36.97% | 9.003% |
| 24 | 5.214 | 1296 | 1298 | 1300 | rBV2 | 467 | 241 | 0.00% | 0.001% |
| 25 | 5.227 | 1300 | 1302 | 1304 | rBV2 | 446 | 248 | 0.00% | 0.001% |
| 26 | 5.278 | 1315 | 1318 | 1323 | rBV6 | 1149 | 704 | 0.01% | 0.003% |
| 27 | 5.333 | 1332 | 1335 | 1338 | rVB3 | 808 | 519 | 0.01% | 0.003% |
| 28 | 5.394 | 1351 | 1354 | 1355 | rBV3 | 699 | 362 | 0.01% | 0.002% |
| 29 | 5.420 | 1355 | 1362 | 1366 | rVV6 | 1210 | 1613 | 0.03% | 0.008% |
| 30 | 5.529 | 1385 | 1396 | 1430 | rBV | 513512 | 1091589 | 21.70% | 5.286% |
| 31 | 5.831 | 1476 | 1490 | 1519 | rBV3 | 158385 | 362407 | 7.21% | 1.755% |
| 32 | 5.985 | 1525 | 1538 | 1572 | rBV | 411681 | 867420 | 17.25% | 4.200% |
| 33 | 6.236 | 1609 | 1616 | 1630 | rBV4 | 8705 | 21686 | 0.43% | 0.105% |
| 34 | 6.461 | 1684 | 1686 | 1689 | rVV3 | 534 | 392 | 0.01% | 0.002% |
| 35 | 6.503 | 1697 | 1699 | 1702 | rBV2 | 388 | 248 | 0.00% | 0.001% |
| 36 | 6.519 | 1702 | 1704 | 1709 | rVB4 | 629 | 262 | 0.01% | 0.001% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

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\SFAMVLM053024SMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.587 | 1723 | 1725 | 1729 | rBV2 | 283 | 239 | 0.00% | 0.001% |
| 38 | 6.741 | 1770 | 1773 | 1775 | rBV2 | 513 | 274 | 0.01% | 0.001% |
| 39 | 6.767 | 1775 | 1781 | 1783 | rVB3 | 556 | 507 | 0.01% | 0.002% |
| 40 | 6.789 | 1783 | 1788 | 1791 | rBV5 | 427 | 474 | 0.01% | 0.002% |
| 41 | 6.911 | 1810 | 1826 | 1856 | rBV | 170917 | 339945 | 6.76% | 1.646% |
| 42 | 7.178 | 1905 | 1909 | 1914 | rVB4 | 545 | 593 | 0.01% | 0.003% |
| 43 | 7.239 | 1914 | 1928 | 1947 | rBV | 799945 | 1419466 | 28.22% | 6.873% |
| 44 | 7.503 | 2005 | 2010 | 2016 | rVB4 | 3111 | 3644 | 0.07% | 0.018% |
| 45 | 7.555 | 2016 | 2026 | 2051 | rBV | 107689 | 210832 | 4.19% | 1.021% |
| 46 | 7.828 | 2106 | 2111 | 2113 | rBV5 | 621 | 462 | 0.01% | 0.002% |
| 47 | 7.902 | 2115 | 2134 | 2157 | rBV2 | 385681 | 690367 | 13.73% | 3.343% |
| 48 | 8.034 | 2166 | 2175 | 2209 | rBV | 121275 | 289021 | 5.75% | 1.400% |
| 49 | 8.172 | 2210 | 2218 | 2242 | rBV | 238068 | 434039 | 8.63% | 2.102% |
| 50 | 8.728 | 2384 | 2391 | 2395 | rBV5 | 869 | 1189 | 0.02% | 0.006% |
| 51 | 8.783 | 2396 | 2408 | 2441 | rBV | 850731 | 1412003 | 28.07% | 6.837% |
| 52 | 9.008 | 2470 | 2478 | 2494 | rVB2 | 8798 | 15210 | 0.30% | 0.074% |
| 53 | 9.101 | 2504 | 2507 | 2511 | rVB4 | 1330 | 800 | 0.02% | 0.004% |
| 54 | 9.262 | 2554 | 2557 | 2560 | rVB2 | 411 | 246 | 0.00% | 0.001% |
| 55 | 9.390 | 2593 | 2597 | 2601 | rBV2 | 436 | 306 | 0.01% | 0.001% |
| 56 | 9.480 | 2620 | 2625 | 2627 | rBV3 | 439 | 458 | 0.01% | 0.002% |
| 57 | 9.497 | 2627 | 2630 | 2642 | rVB6 | 1262 | 1786 | 0.04% | 0.009% |
| 58 | 9.548 | 2644 | 2646 | 2652 | rVB3 | 435 | 290 | 0.01% | 0.001% |
| 59 | 9.590 | 2657 | 2659 | 2661 | rVV3 | 599 | 340 | 0.01% | 0.002% |
| 60 | 9.616 | 2664 | 2667 | 2673 | rVB4 | 1140 | 968 | 0.02% | 0.005% |
| 61 | 9.677 | 2684 | 2686 | 2688 | rBV | 390 | 240 | 0.00% | 0.001% |
| 62 | 9.699 | 2688 | 2693 | 2701 | rVB4 | 793 | 975 | 0.02% | 0.005% |
| 63 | 9.751 | 2701 | 2709 | 2731 | rBV2 | 38158 | 76703 | 1.52% | 0.371% |
| 64 | 9.889 | 2744 | 2752 | 2770 | rVB3 | 19021 | 33310 | 0.66% | 0.161% |
| 65 | 10.101 | 2812 | 2818 | 2820 | rBV6 | 1326 | 1329 | 0.03% | 0.006% |
| 66 | 10.149 | 2822 | 2833 | 2854 | rVV | 311810 | 502341 | 9.99% | 2.432% |
| 67 | 10.323 | 2876 | 2887 | 2898 | rVB | 44519 | 71935 | 1.43% | 0.348% |
| 68 | 10.419 | 2912 | 2917 | 2920 | rVB2 | 296 | 267 | 0.01% | 0.001% |
| 69 | 10.445 | 2920 | 2925 | 2926 | rBV5 | 402 | 326 | 0.01% | 0.002% |
| 70 | 10.477 | 2926 | 2935 | 2938 | rBV7 | 1478 | 2115 | 0.04% | 0.010% |
| 71 | 10.564 | 2958 | 2962 | 2963 | rBV3 | 516 | 394 | 0.01% | 0.002% |
| 72 | 10.619 | 2977 | 2979 | 2982 | rBV2 | 409 | 241 | 0.00% | 0.001% |
| 73 | 10.673 | 2989 | 2996 | 2999 | rBV5 | 562 | 506 | 0.01% | 0.002% |
| 74 | 10.744 | 3015 | 3018 | 3024 | rVB5 | 714 | 575 | 0.01% | 0.003% |
| 75 | 10.786 | 3029 | 3031 | 3033 | rBV2 | 599 | 292 | 0.01% | 0.001% |
| 76 | 10.805 | 3034 | 3037 | 3038 | rBV2 | 591 | 324 | 0.01% | 0.002% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

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\SFAMVLM053024SMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 10.847 | 3047 | 3050 | 3051 | rBV3 | 505 | 241 | 0.00% | 0.001% |
| 78 | 10.857 | 3051 | 3053 | 3058 | rVV6 | 628 | 540 | 0.01% | 0.003% |
| 79 | 10.934 | 3073 | 3077 | 3078 | rBV2 | 644 | 429 | 0.01% | 0.002% |
| 80 | 11.088 | 3115 | 3125 | 3142 | rBV | 132251 | 229196 | 4.56% | 1.110% |
| 81 | 11.181 | 3144 | 3154 | 3175 | rVB | 888875 | 1355236 | 26.94% | 6.562% |
| 82 | 11.496 | 3242 | 3252 | 3260 | rBV4 | 12386 | 26516 | 0.53% | 0.128% |
| 83 | 11.558 | 3260 | 3271 | 3295 | rVB | 773173 | 1227675 | 24.41% | 5.945% |
| 84 | 12.191 | 3459 | 3468 | 3480 | rBV2 | 26605 | 42940 | 0.85% | 0.208% |
| 85 | 12.284 | 3487 | 3497 | 3525 | rBV | 174427 | 302514 | 6.01% | 1.465% |
| 86 | 12.503 | 3557 | 3565 | 3580 | rVB | 26139 | 41720 | 0.83% | 0.202% |
| 87 | 12.586 | 3586 | 3591 | 3596 | rVB6 | 2975 | 3106 | 0.06% | 0.015% |
| 88 | 12.828 | 3659 | 3666 | 3675 | rVB3 | 12693 | 16510 | 0.33% | 0.080% |
| 89 | 12.976 | 3710 | 3712 | 3717 | rVB3 | 782 | 341 | 0.01% | 0.002% |
| 90 | 13.117 | 3754 | 3756 | 3758 | rBV3 | 524 | 255 | 0.01% | 0.001% |
| 91 | 13.210 | 3779 | 3785 | 3789 | rBV7 | 2360 | 2932 | 0.06% | 0.014% |
| 92 | 13.381 | 3831 | 3838 | 3851 | rBV7 | 6111 | 12688 | 0.25% | 0.061% |
| 93 | 13.442 | 3854 | 3857 | 3858 | rBV2 | 1269 | 800 | 0.02% | 0.004% |
| 94 | 13.625 | 3906 | 3914 | 3923 | rBV | 24864 | 36650 | 0.73% | 0.177% |
| 95 | 13.840 | 3974 | 3981 | 3988 | rVB2 | 8129 | 10752 | 0.21% | 0.052% |
| 96 | 13.982 | 4017 | 4025 | 4035 | rVB | 14901 | 23672 | 0.47% | 0.115% |
| 97 | 14.352 | 4137 | 4140 | 4141 | rBV2 | 1095 | 544 | 0.01% | 0.003% |
| 98 | 14.821 | 4284 | 4286 | 4291 | rVB5 | 906 | 676 | 0.01% | 0.003% |
| 99 | 15.358 | 4450 | 4453 | 4454 | rBV3 | 1540 | 974 | 0.02% | 0.005% |
| 100 | 15.580 | 4516 | 4522 | 4539 | rVB3 | 8991 | 14696 | 0.29% | 0.071% |

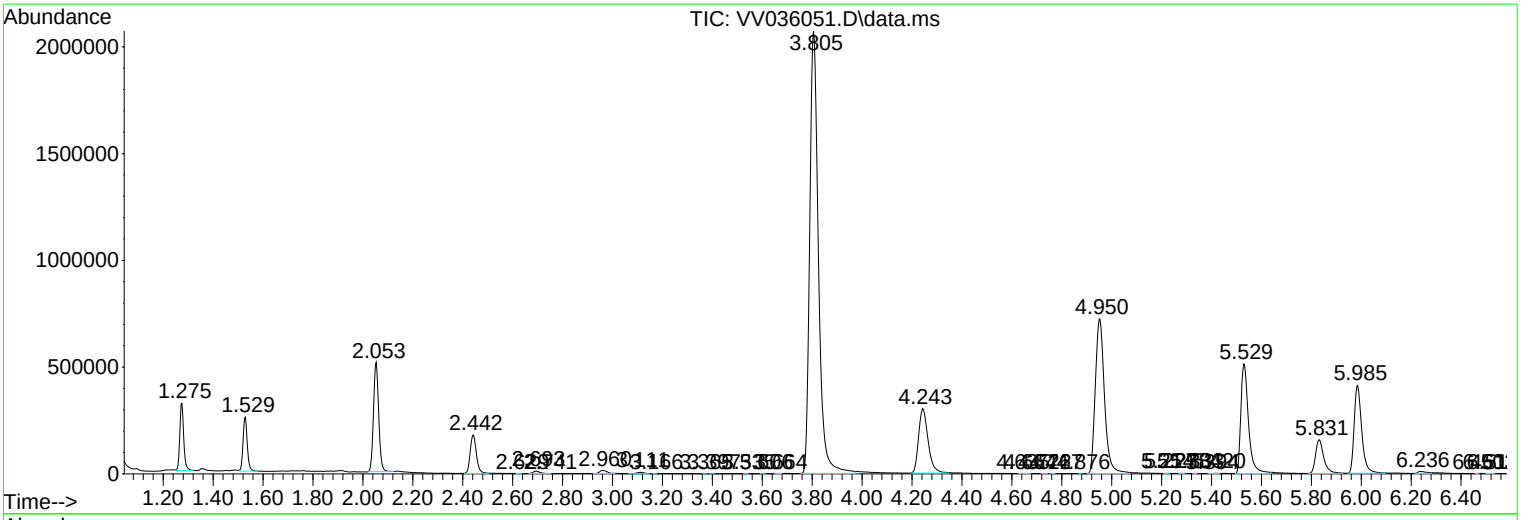
Sum of corrected areas: 20651598

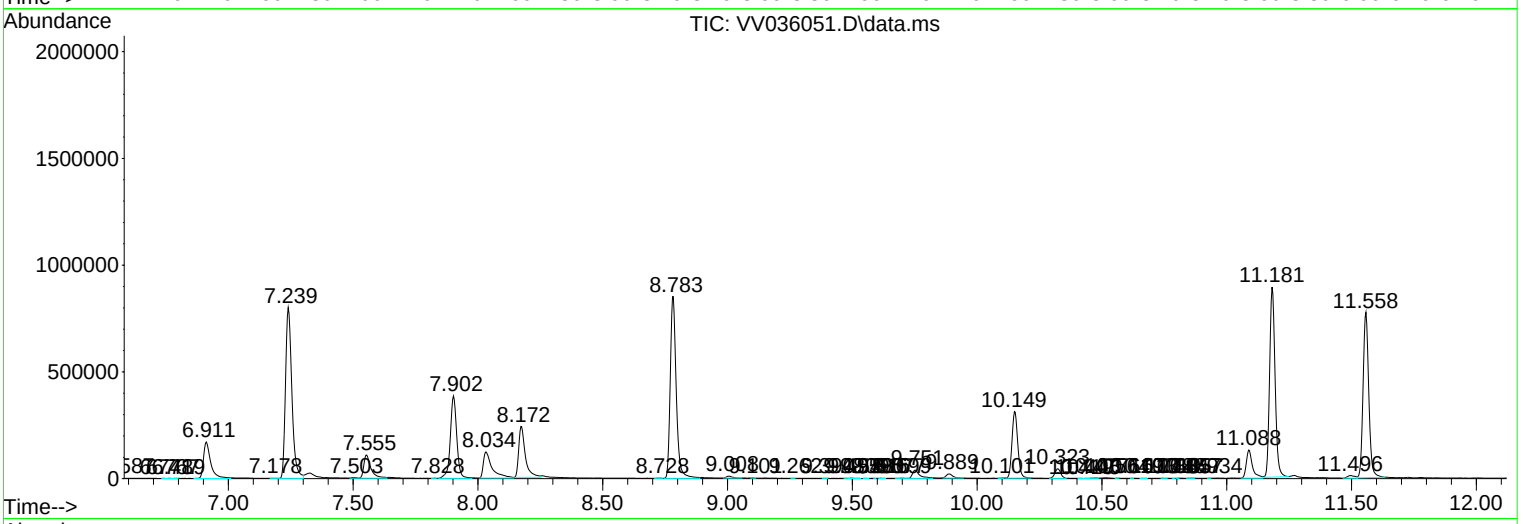
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

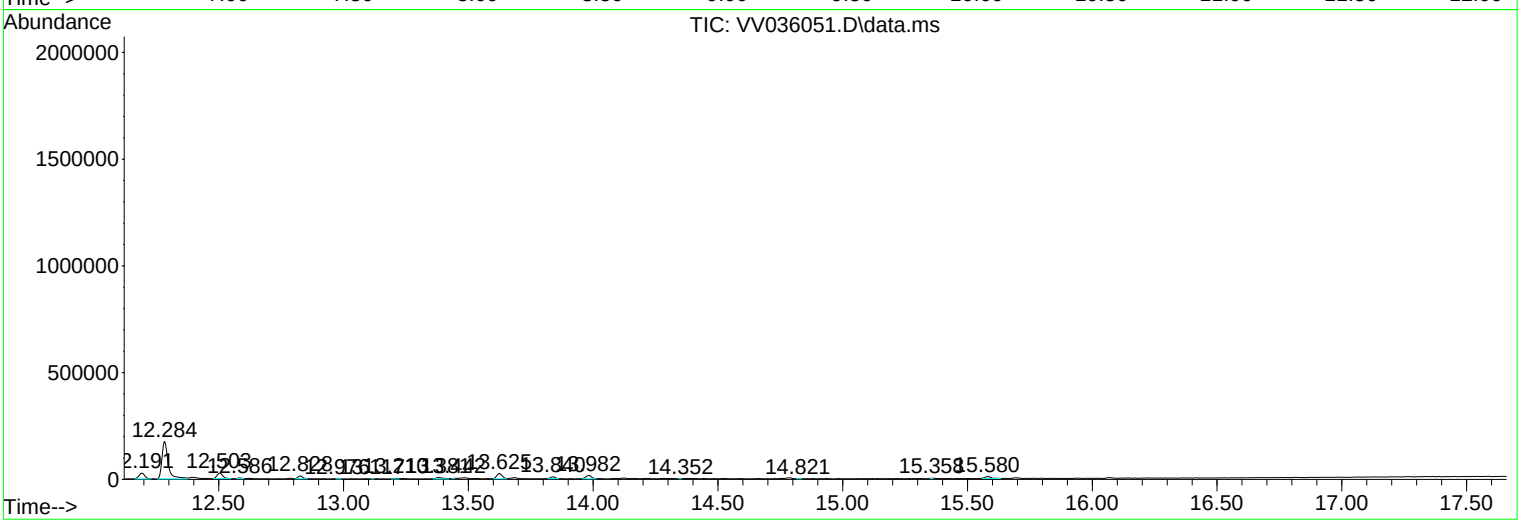
**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

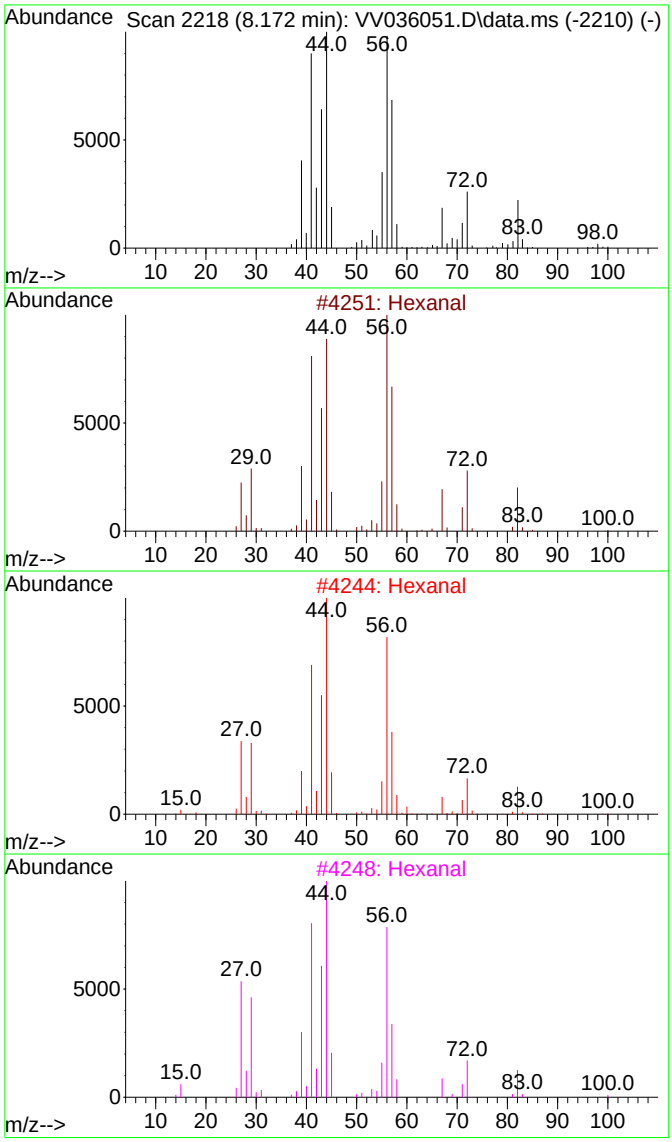
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

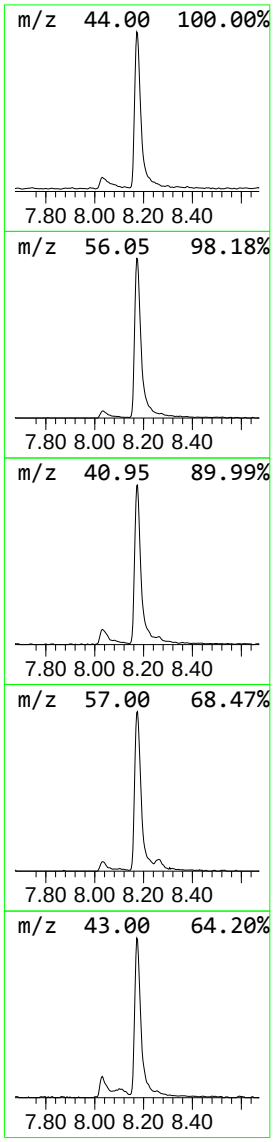
**********

Peak Number 2 Hexanal Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.172 | 7.68 ug/L | 434039 | Chlorobenzene-d5 | 8.783 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanal | 100 | C6H12O | 000066-25-1 | 94 |
| 2 | Hexanal | 100 | C6H12O | 000066-25-1 | 81 |
| 3 | Hexanal | 100 | C6H12O | 000066-25-1 | 72 |
| 4 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 5 | Hexanal | 100 | C6H12O | 000066-25-1 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

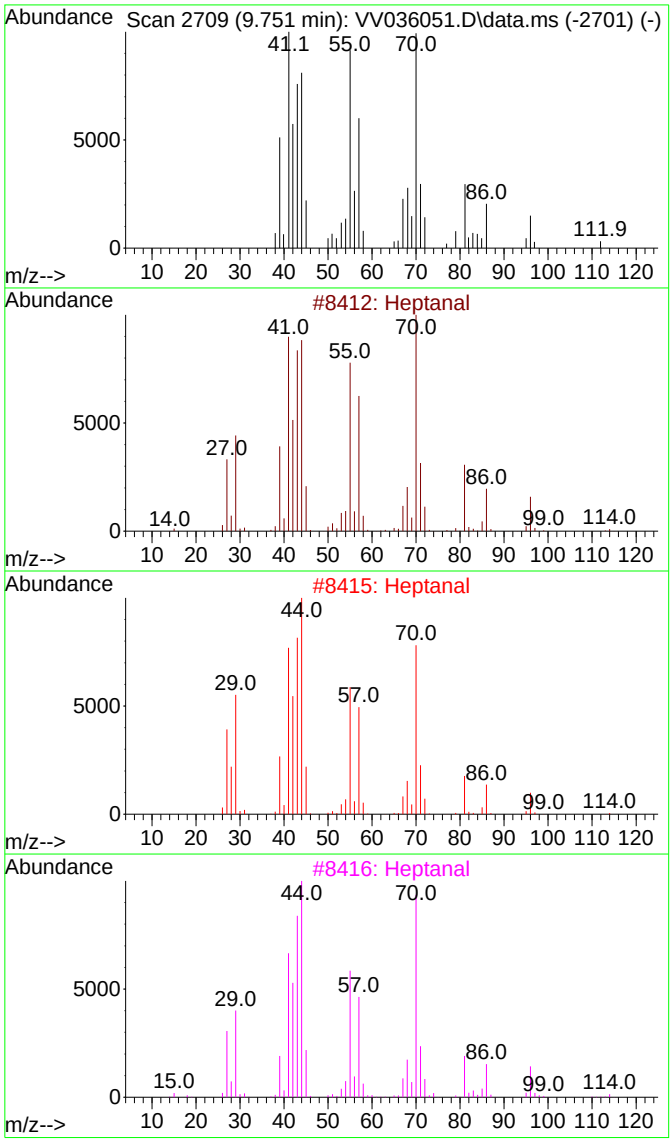
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

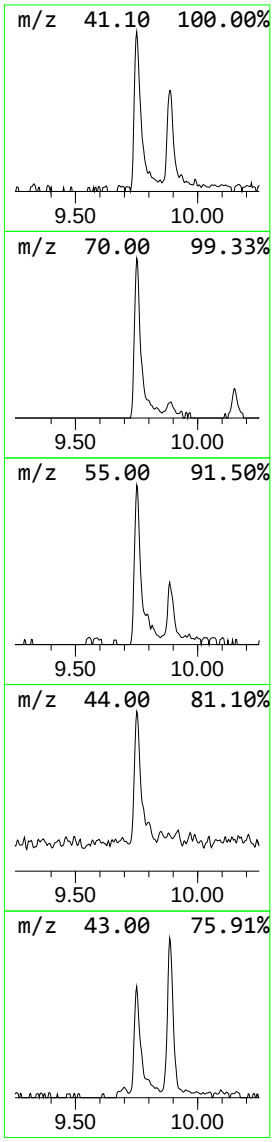
**********

Peak Number 3 Heptanal Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.751 | 1.36 ug/L | 76703 | Chlorobenzene-d5 | 8.783 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptanal | 114 | C7H14O | 000111-71-7 | 87 |
| 2 | Heptanal | 114 | C7H14O | 000111-71-7 | 83 |
| 3 | Heptanal | 114 | C7H14O | 000111-71-7 | 80 |
| 4 | Heptanal | 114 | C7H14O | 000111-71-7 | 50 |
| 5 | Heptanal | 114 | C7H14O | 000111-71-7 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

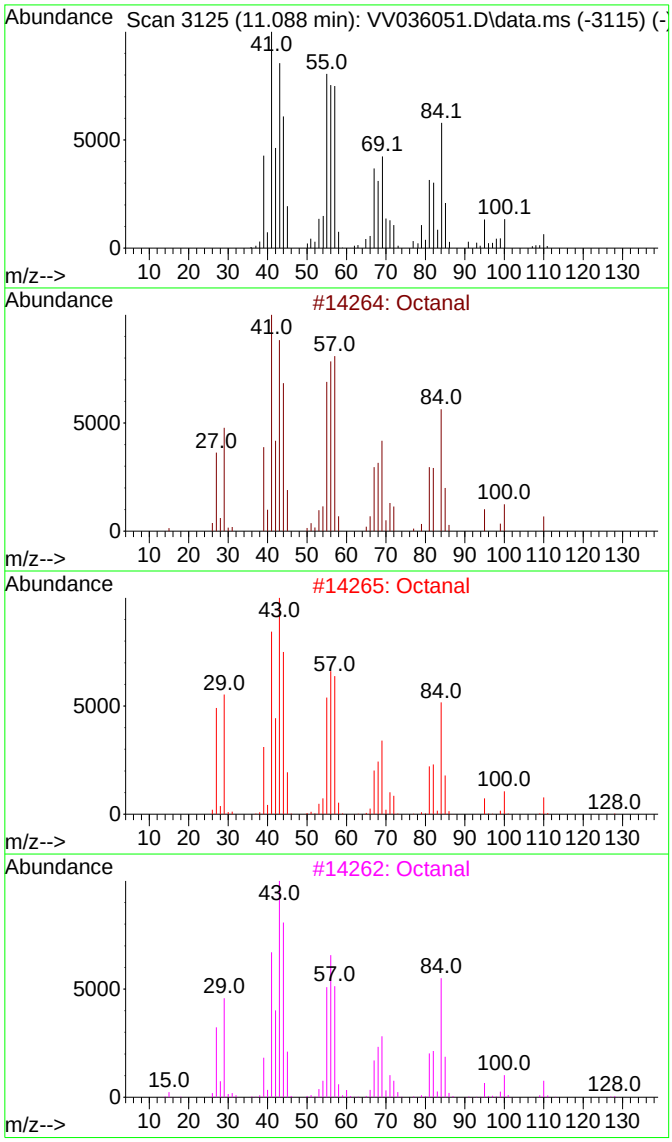
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

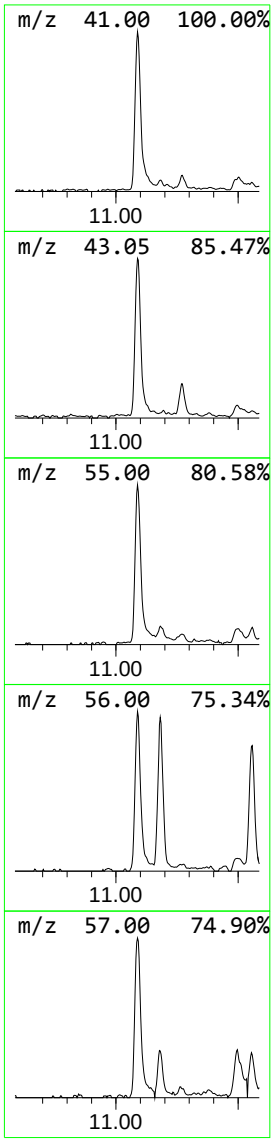
**********

Peak Number 5 Octanal Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.088 | 4.23 ug/L | 229196 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octanal | 128 | C8H16O | 000124-13-0 | 91 |
| 2 | Octanal | 128 | C8H16O | 000124-13-0 | 90 |
| 3 | Octanal | 128 | C8H16O | 000124-13-0 | 86 |
| 4 | 1-Pentene, 3-methyl- | 84 | C6H12 | 000760-20-3 | 46 |
| 5 | Cyclopropane, 1-ethyl-1-methyl- | 84 | C6H12 | 053778-43-1 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

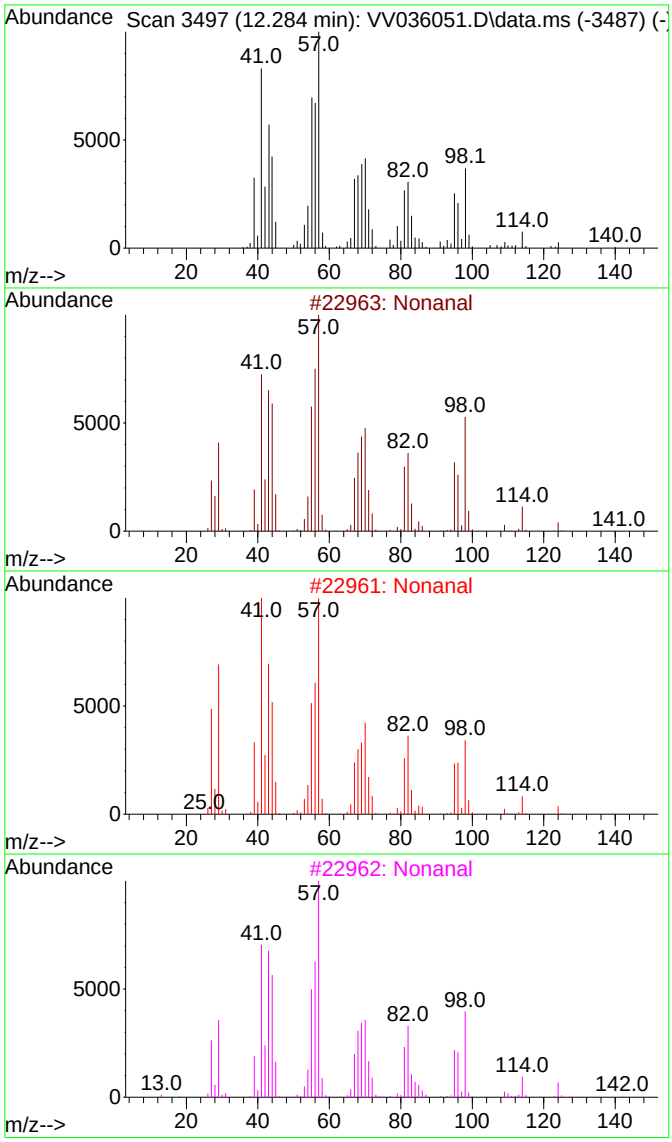
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

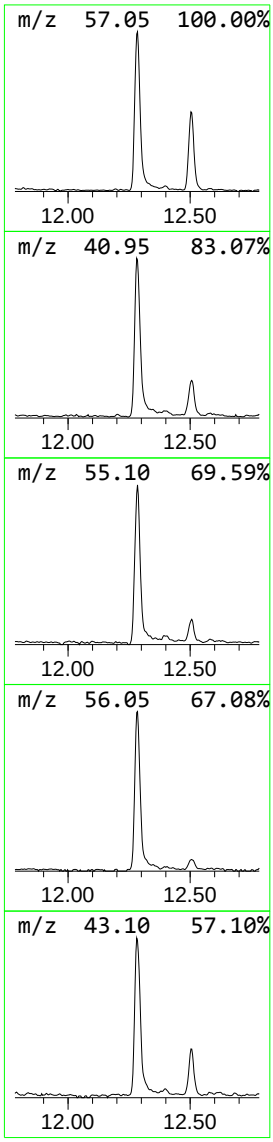
**********

Peak Number 6 Nonanal Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.284 | 5.58 ug/L | 302514 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonanal | 142 | C9H18O | 000124-19-6 | 90 |
| 2 | Nonanal | 142 | C9H18O | 000124-19-6 | 90 |
| 3 | Nonanal | 142 | C9H18O | 000124-19-6 | 72 |
| 4 | 2-Hepten-1-ol, (E)- | 114 | C7H14O | 033467-76-4 | 49 |
| 5 | Cyclohexanol, 4-methyl- | 114 | C7H14O | 000589-91-3 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036051.D
Acq On : 13 Jun 2024 10:42
Operator : SY/MD
Sample : P2850-08
Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.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 |
| Hexanal | 8.172 | 7.7 | ug/L | 434039 | 2 | 8.783 | 1412000 | 25.0 |
| Heptanal | 9.751 | 1.4 | ug/L | 76703 | 2 | 8.783 | 1412000 | 25.0 |
| Octanal | 11.088 | 4.2 | ug/L | 229196 | 3 | 11.181 | 1355240 | 25.0 |
| Nonanal | 12.284 | 5.6 | ug/L | 302514 | 3 | 11.181 | 1355240 | 25.0 |