LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

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_W\Method\SFAMWLM121324SMA.M
Title : SFAM01.0

Signal : TIC: VW031513.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.162 | 41 | 45 | 47 | rBV3 | 4323 | 6278 | 0.75% | 0.112% |
| 2 | 2.357 | 72 | 77 | 86 | rVB | 41656 | 78032 | 9.31% | 1.394% |
| 3 | 2.503 | 98 | 101 | 109 | rVB | 5392 | 10741 | 1.28% | 0.192% |
| 4 | 2.893 | 159 | 165 | 175 | rVB2 | 36117 | 74342 | 8.87% | 1.328% |
| 5 | 3.253 | 222 | 224 | 226 | rBV3 | 991 | 616 | 0.07% | 0.011% |
| 6 | 3.917 | 331 | 333 | 336 | rBV3 | 668 | 916 | 0.11% | 0.016% |
| 7 | 3.948 | 336 | 338 | 340 | rVV3 | 711 | 566 | 0.07% | 0.010% |
| 8 | 4.027 | 340 | 351 | 361 | rVV | 70048 | 191472 | 22.84% | 3.419% |
| 9 | 4.131 | 364 | 368 | 378 | rVB3 | 3193 | 8795 | 1.05% | 0.157% |
| 10 | 4.301 | 394 | 396 | 399 | rVB3 | 957 | 853 | 0.10% | 0.015% |
| 11 | 4.332 | 399 | 401 | 403 | rBV3 | 774 | 850 | 0.10% | 0.015% |
| 12 | 4.497 | 426 | 428 | 432 | rVB4 | 982 | 915 | 0.11% | 0.016% |
| 13 | 4.582 | 439 | 442 | 444 | rBV3 | 793 | 877 | 0.10% | 0.016% |
| 14 | 4.747 | 468 | 469 | 473 | rVB4 | 757 | 609 | 0.07% | 0.011% |
| 15 | 4.801 | 476 | 478 | 481 | rVB3 | 797 | 690 | 0.08% | 0.012% |
| 16 | 4.911 | 493 | 496 | 497 | rBV3 | 818 | 834 | 0.10% | 0.015% |
| 17 | 5.088 | 524 | 525 | 526 | rBV | 810 | 589 | 0.07% | 0.011% |
| 18 | 5.106 | 526 | 528 | 532 | rVV4 | 1099 | 1263 | 0.15% | 0.023% |
| 19 | 5.167 | 536 | 538 | 540 | rBV2 | 525 | 591 | 0.07% | 0.011% |
| 20 | 5.210 | 543 | 545 | 547 | rVV3 | 809 | 909 | 0.11% | 0.016% |
| 21 | 5.320 | 561 | 563 | 566 | rVB4 | 780 | 653 | 0.08% | 0.012% |
| 22 | 5.502 | 590 | 593 | 595 | rVB3 | 742 | 724 | 0.09% | 0.013% |
| 23 | 5.539 | 597 | 599 | 601 | rBV3 | 728 | 545 | 0.07% | 0.010% |
| 24 | 5.667 | 615 | 620 | 621 | rBV2 | 598 | 597 | 0.07% | 0.011% |
| 25 | 5.685 | 621 | 623 | 625 | rBV | 794 | 590 | 0.07% | 0.011% |
| 26 | 5.716 | 625 | 628 | 630 | rBV4 | 728 | 729 | 0.09% | 0.013% |
| 27 | 5.783 | 635 | 639 | 641 | rBV5 | 661 | 810 | 0.10% | 0.014% |
| 28 | 5.917 | 657 | 661 | 662 | rBV4 | 1242 | 1580 | 0.19% | 0.028% |
| 29 | 5.935 | 662 | 664 | 666 | rVV2 | 618 | 729 | 0.09% | 0.013% |
| 30 | 5.984 | 671 | 672 | 675 | rVV3 | 1331 | 871 | 0.10% | 0.016% |
| 31 | 6.051 | 681 | 683 | 686 | rVB4 | 874 | 720 | 0.09% | 0.013% |
| 32 | 6.088 | 686 | 689 | 690 | rBV3 | 583 | 590 | 0.07% | 0.011% |
| 33 | 6.137 | 694 | 697 | 702 | rBV5 | 767 | 1264 | 0.15% | 0.023% |
| 34 | 6.185 | 702 | 705 | 707 | rBV4 | 430 | 551 | 0.07% | 0.010% |
| 35 | 6.252 | 715 | 716 | 719 | rVB3 | 1000 | 682 | 0.08% | 0.012% |
| 36 | 6.362 | 730 | 734 | 736 | rBV3 | 518 | 748 | 0.09% | 0.013% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

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_W\Method\SFAMWLM121324SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.441 | 743 | 747 | 748 | rVB3 | 687 | 825 | 0.10% | 0.015% |
| 38 | 6.460 | 748 | 750 | 752 | rBV3 | 747 | 767 | 0.09% | 0.014% |
| 39 | 6.563 | 763 | 767 | 770 | rBV4 | 965 | 1333 | 0.16% | 0.024% |
| 40 | 6.667 | 780 | 784 | 786 | rBV4 | 408 | 665 | 0.08% | 0.012% |
| 41 | 6.734 | 793 | 795 | 797 | rBV3 | 552 | 647 | 0.08% | 0.012% |
| 42 | 6.801 | 801 | 806 | 809 | rBV4 | 1028 | 1986 | 0.24% | 0.035% |
| 43 | 6.832 | 809 | 811 | 815 | rVB3 | 535 | 576 | 0.07% | 0.010% |
| 44 | 6.868 | 815 | 817 | 818 | rBV2 | 899 | 560 | 0.07% | 0.010% |
| 45 | 6.911 | 818 | 824 | 828 | rBV7 | 1952 | 4949 | 0.59% | 0.088% |
| 46 | 6.990 | 834 | 837 | 840 | rVB3 | 611 | 629 | 0.08% | 0.011% |
| 47 | 7.088 | 845 | 853 | 856 | rBV | 16526 | 39958 | 4.77% | 0.714% |
| 48 | 7.386 | 900 | 902 | 903 | rBV | 1234 | 709 | 0.08% | 0.013% |
| 49 | 7.405 | 903 | 905 | 906 | rVV2 | 704 | 647 | 0.08% | 0.012% |
| 50 | 7.514 | 919 | 923 | 924 | rBV4 | 723 | 813 | 0.10% | 0.015% |
| 51 | 7.563 | 929 | 931 | 933 | rBV3 | 769 | 765 | 0.09% | 0.014% |
| 52 | 7.648 | 935 | 945 | 956 | rBV | 96798 | 243913 | 29.09% | 4.356% |
| 53 | 7.996 | 1000 | 1002 | 1004 | rBV2 | 1014 | 719 | 0.09% | 0.013% |
| 54 | 8.075 | 1010 | 1015 | 1018 | rVB7 | 655 | 1012 | 0.12% | 0.018% |
| 55 | 8.106 | 1018 | 1020 | 1021 | rBV2 | 625 | 541 | 0.06% | 0.010% |
| 56 | 8.142 | 1024 | 1026 | 1028 | rBV3 | 815 | 557 | 0.07% | 0.010% |
| 57 | 8.276 | 1036 | 1048 | 1070 | rVV2 | 196512 | 623348 | 74.35% | 11.132% |
| 58 | 8.423 | 1070 | 1072 | 1074 | rVB2 | 991 | 741 | 0.09% | 0.013% |
| 59 | 8.575 | 1095 | 1097 | 1100 | rVB4 | 585 | 565 | 0.07% | 0.010% |
| 60 | 8.642 | 1104 | 1108 | 1109 | rVV3 | 552 | 654 | 0.08% | 0.012% |
| 61 | 8.709 | 1116 | 1119 | 1122 | rBV5 | 1128 | 1170 | 0.14% | 0.021% |
| 62 | 8.843 | 1132 | 1141 | 1153 | rBV | 205260 | 419017 | 49.98% | 7.483% |
| 63 | 9.051 | 1173 | 1175 | 1176 | rBV | 741 | 648 | 0.08% | 0.012% |
| 64 | 9.087 | 1178 | 1181 | 1184 | rVV5 | 882 | 1283 | 0.15% | 0.023% |
| 65 | 9.154 | 1190 | 1192 | 1193 | rVV2 | 932 | 632 | 0.08% | 0.011% |
| 66 | 9.173 | 1193 | 1195 | 1197 | rVB3 | 1340 | 972 | 0.12% | 0.017% |
| 67 | 9.270 | 1203 | 1211 | 1221 | rBV | 136391 | 286118 | 34.13% | 5.110% |
| 68 | 9.416 | 1229 | 1235 | 1238 | rBV5 | 2846 | 5972 | 0.71% | 0.107% |
| 69 | 9.587 | 1260 | 1263 | 1267 | rVB4 | 631 | 798 | 0.10% | 0.014% |
| 70 | 9.624 | 1267 | 1269 | 1272 | rBV4 | 491 | 744 | 0.09% | 0.013% |
| 71 | 9.666 | 1274 | 1276 | 1277 | rVV2 | 746 | 562 | 0.07% | 0.010% |
| 72 | 9.685 | 1277 | 1279 | 1280 | rVV2 | 724 | 535 | 0.06% | 0.010% |
| 73 | 9.721 | 1283 | 1285 | 1287 | rBV3 | 905 | 836 | 0.10% | 0.015% |
| 74 | 9.752 | 1288 | 1290 | 1296 | rVB6 | 1434 | 1911 | 0.23% | 0.034% |
| 75 | 9.886 | 1308 | 1312 | 1318 | rVB6 | 3011 | 6035 | 0.72% | 0.108% |
| 76 | 10.032 | 1330 | 1336 | 1344 | rBV | 73089 | 132026 | 15.75% | 2.358% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

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_W\Method\SFAMWLM121324SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 10.209 | 1363 | 1365 | 1370 | rBV5 | 1726 | 3200 | 0.38% | 0.057% |
| 78 | 10.325 | 1376 | 1384 | 1391 | rBV | 269902 | 483096 | 57.62% | 8.627% |
| 79 | 10.428 | 1399 | 1401 | 1402 | rVB2 | 949 | 683 | 0.08% | 0.012% |
| 80 | 10.508 | 1410 | 1414 | 1418 | rBV5 | 1729 | 2030 | 0.24% | 0.036% |
| 81 | 10.581 | 1419 | 1426 | 1438 | rVV | 42179 | 79501 | 9.48% | 1.420% |
| 82 | 10.703 | 1440 | 1446 | 1451 | rVB2 | 18410 | 34294 | 4.09% | 0.612% |
| 83 | 10.922 | 1476 | 1482 | 1496 | rBV | 57925 | 120740 | 14.40% | 2.156% |
| 84 | 11.434 | 1561 | 1566 | 1572 | rVB3 | 16004 | 28579 | 3.41% | 0.510% |
| 85 | 11.629 | 1590 | 1598 | 1610 | rBV | 297467 | 527557 | 62.93% | 9.421% |
| 86 | 11.727 | 1610 | 1614 | 1622 | rVB2 | 10065 | 21115 | 2.52% | 0.377% |
| 87 | 11.837 | 1628 | 1632 | 1636 | rBV7 | 4110 | 6837 | 0.82% | 0.122% |
| 88 | 12.599 | 1752 | 1757 | 1763 | rVB2 | 38027 | 64179 | 7.66% | 1.146% |
| 89 | 12.690 | 1766 | 1772 | 1778 | rVV | 109169 | 181495 | 21.65% | 3.241% |
| 90 | 12.776 | 1783 | 1786 | 1792 | rVB4 | 12636 | 21948 | 2.62% | 0.392% |
| 91 | 12.928 | 1807 | 1811 | 1820 | rVB7 | 25953 | 53302 | 6.36% | 0.952% |
| 92 | 13.160 | 1845 | 1849 | 1858 | rBV8 | 14554 | 34291 | 4.09% | 0.612% |
| 93 | 13.495 | 1900 | 1904 | 1908 | rVB | 43370 | 66162 | 7.89% | 1.182% |
| 94 | 13.556 | 1908 | 1914 | 1931 | rVB2 | 355244 | 838351 | 100.00% | 14.971% |
| 95 | 13.849 | 1956 | 1962 | 1971 | rVB2 | 266932 | 523394 | 62.43% | 9.347% |
| 96 | 14.202 | 2017 | 2020 | 2025 | rVB3 | 29183 | 43098 | 5.14% | 0.770% |
| 97 | 14.373 | 2046 | 2048 | 2051 | rBV4 | 10607 | 13907 | 1.66% | 0.248% |
| 98 | 14.416 | 2052 | 2055 | 2064 | rVB3 | 30162 | 60852 | 7.26% | 1.087% |
| 99 | 15.123 | 2167 | 2171 | 2176 | rBV | 77873 | 121338 | 14.47% | 2.167% |
| 100 | 15.354 | 2205 | 2209 | 2216 | rVB | 51560 | 89503 | 10.68% | 1.598% |

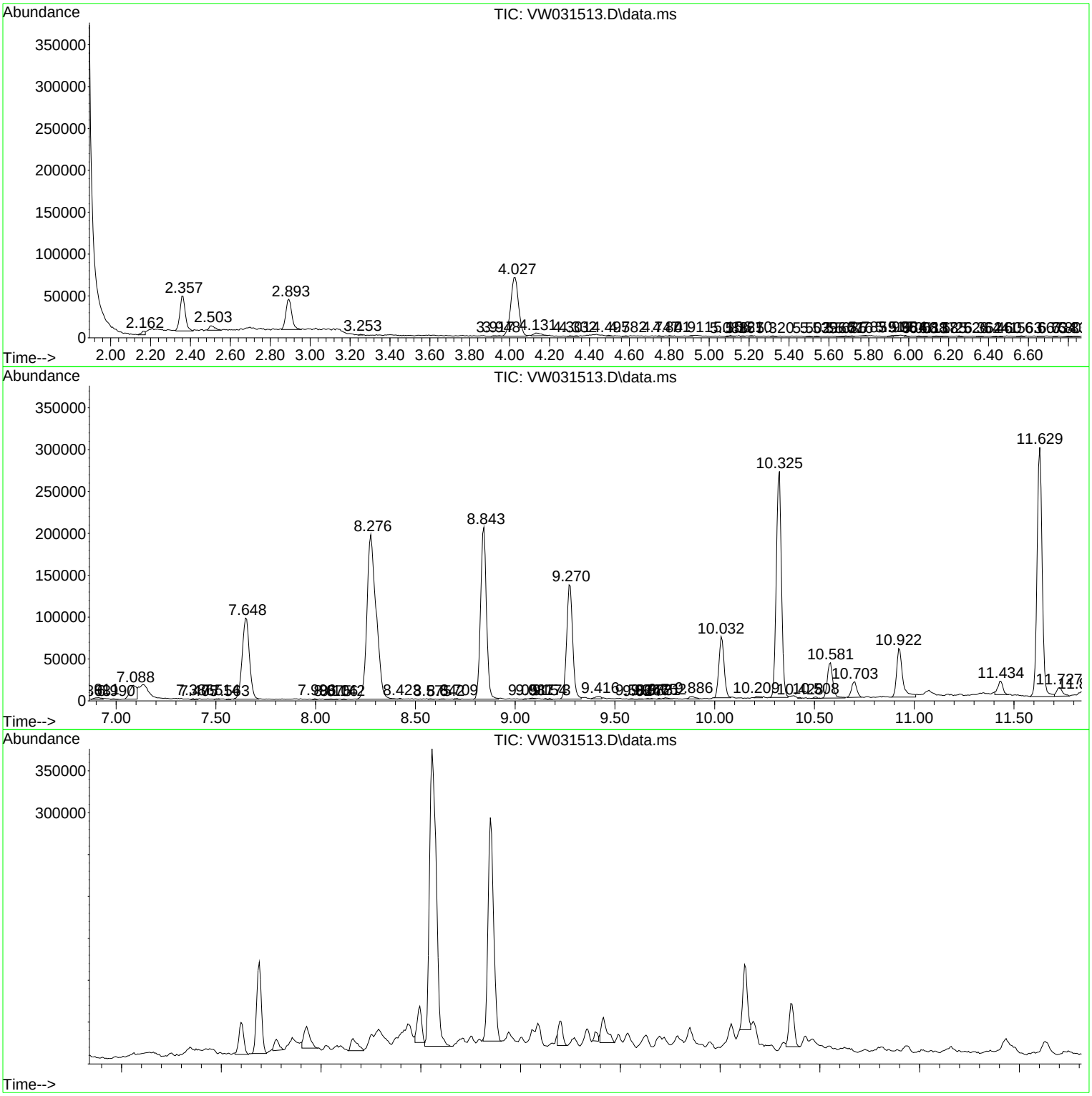
Sum of corrected areas: 5599711

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

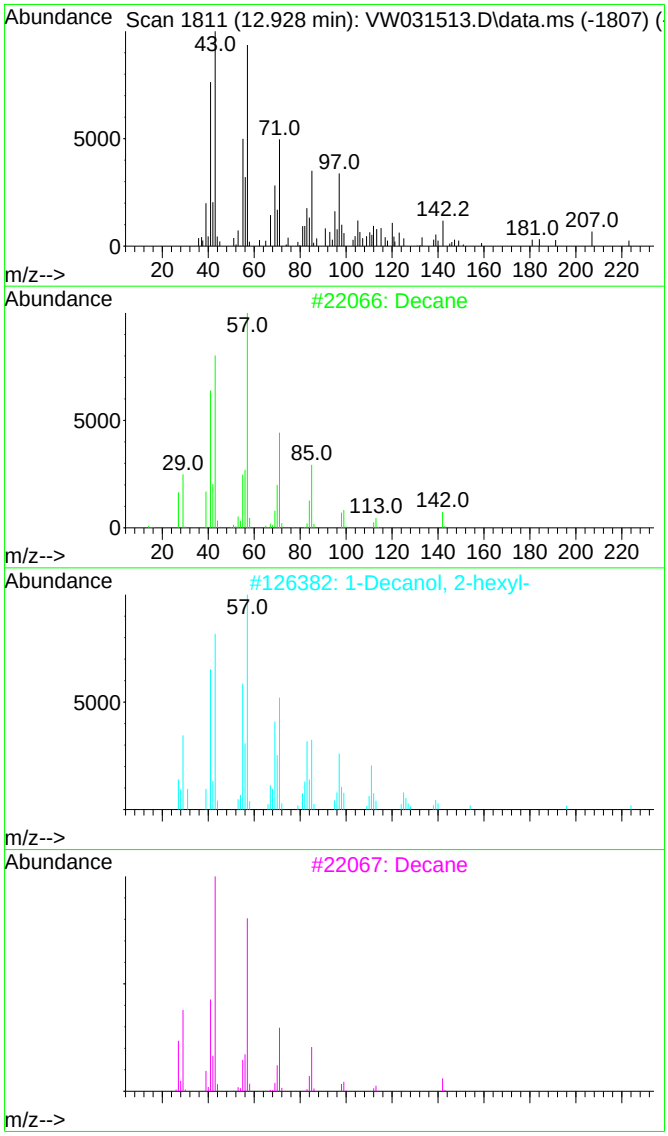
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

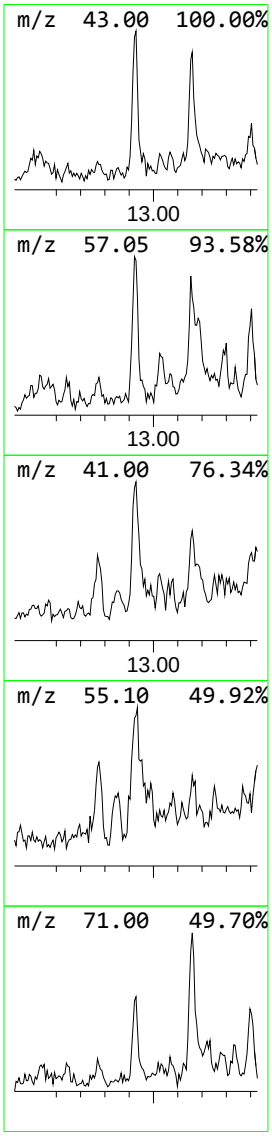
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.928 | 1.59 ug/L | 53302 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane | 142 | C10H22 | 000124-18-5 | 86 |
| 2 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 72 |
| 3 | Decane | 142 | C10H22 | 000124-18-5 | 62 |
| 4 | Decane | 142 | C10H22 | 000124-18-5 | 62 |
| 5 | Oxalic acid, allyl octadecyl ester | 382 | C23H42O4 | 1000309-24-5 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

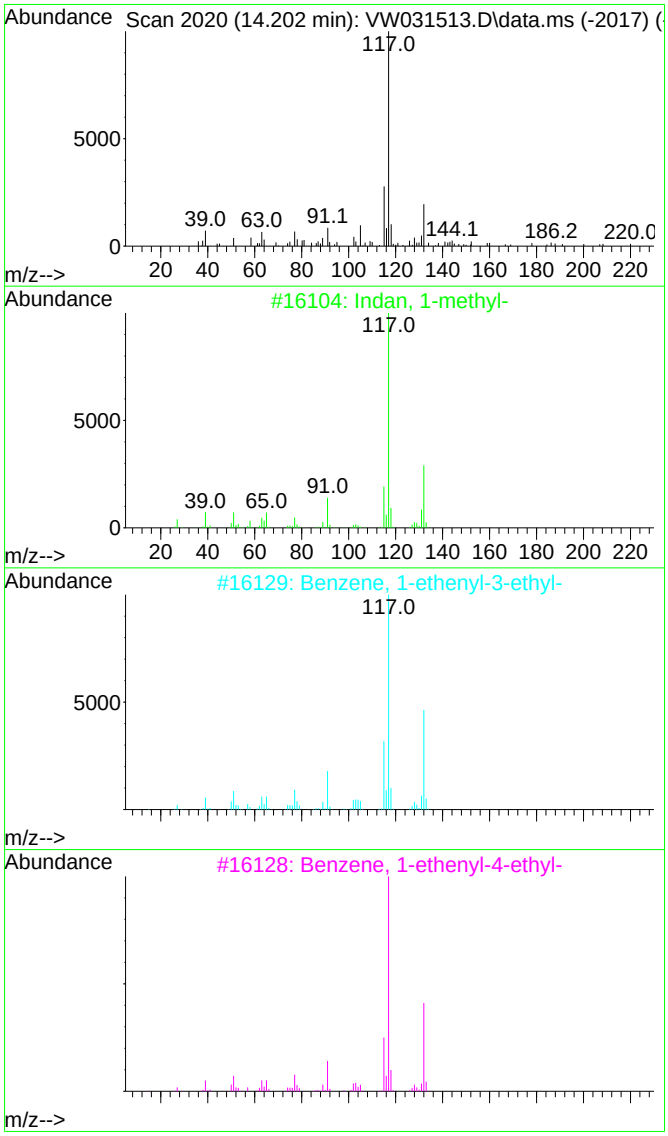
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

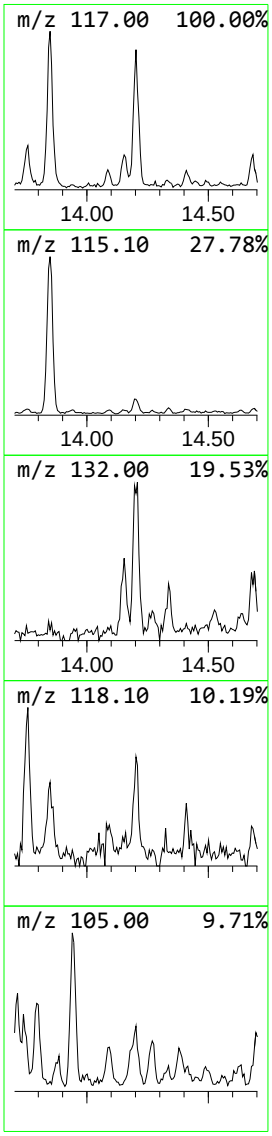
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Indan, 1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.202 | 1.29 ug/L | 43098 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 83 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 78 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

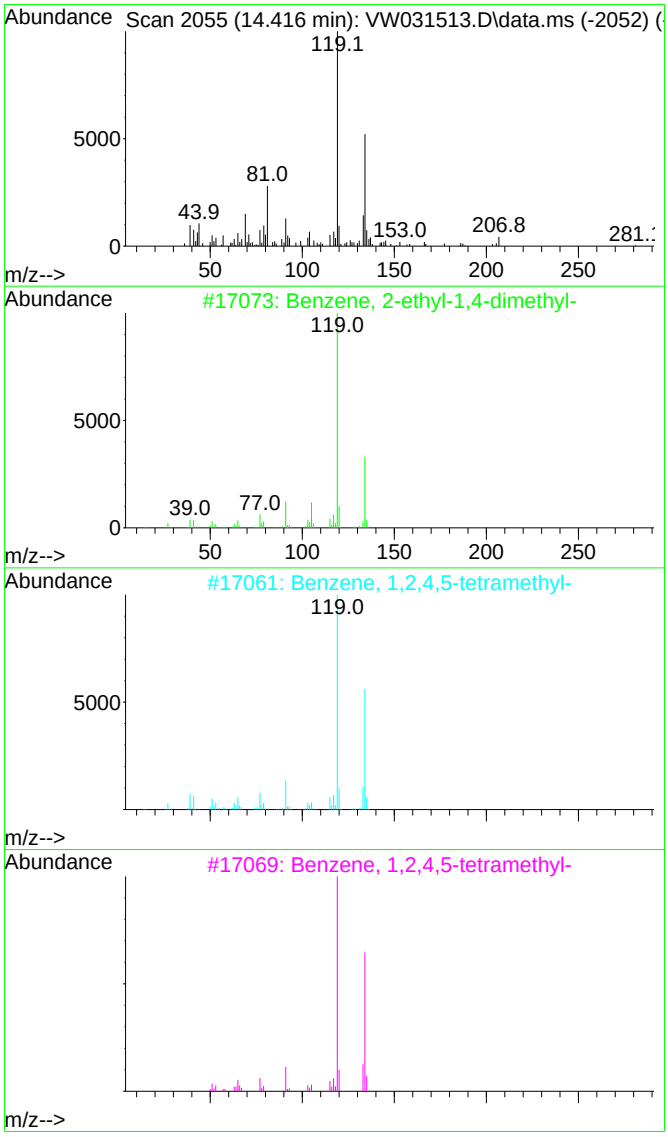
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

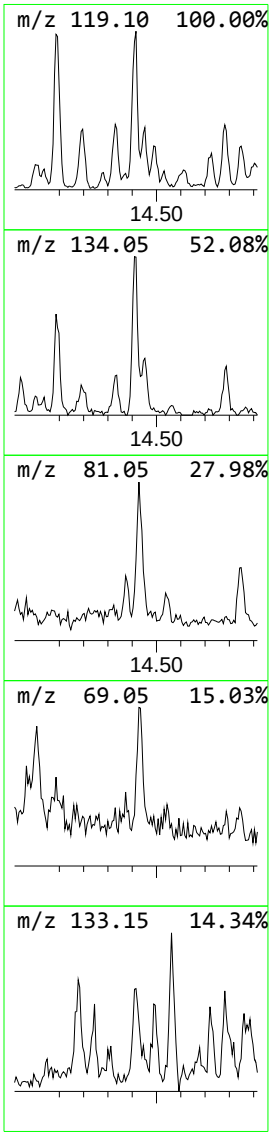
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.416 | 1.81 ug/L | 60852 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 90 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 90 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 90 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 90 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

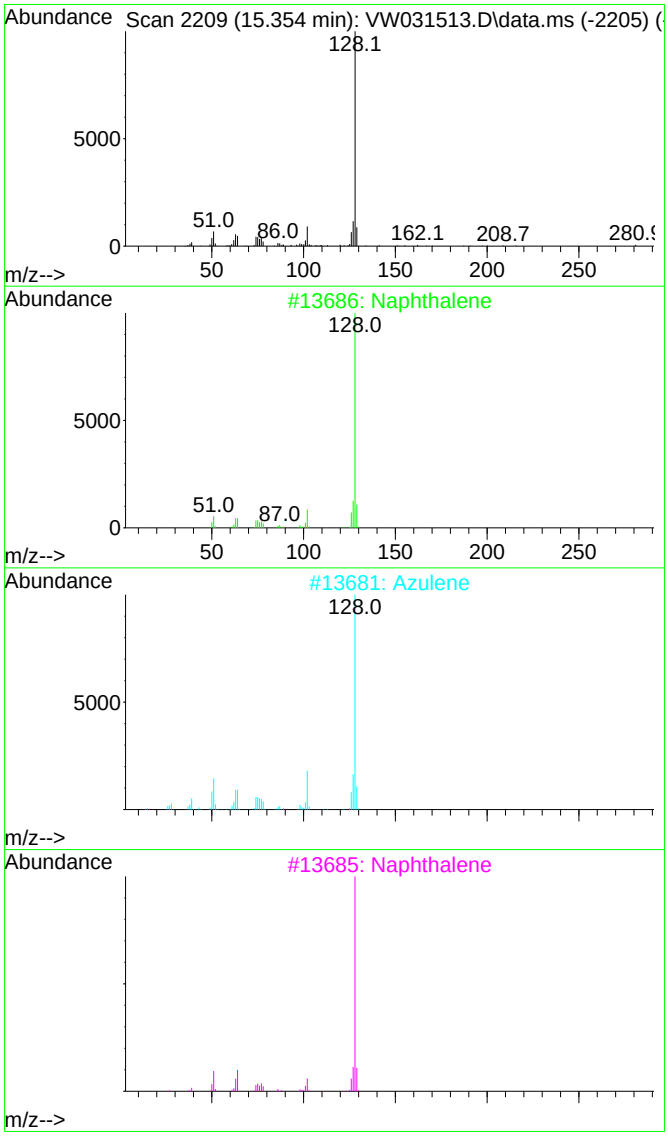
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

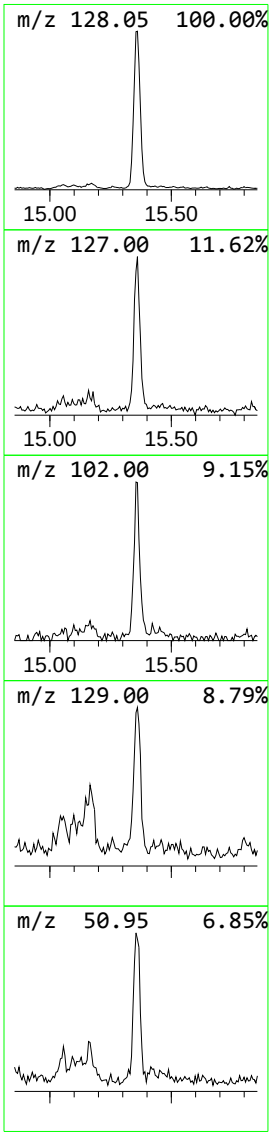
**********

Peak Number 8 Azulene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.354 | 2.67 ug/L | 89503 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 2 | Azulene | 128 | C10H8 | 000275-51-4 | 94 |
| 3 | Naphthalene | 128 | C10H8 | 000091-20-3 | 90 |
| 4 | Azulene | 128 | C10H8 | 000275-51-4 | 90 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031513.D
Acq On : 23 Dec 2024 17:34
Operator : SY/MD
Sample : P5322-19
Misc : 6.17g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YE642

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

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... | 12.928 | 1.6 | ug/L | 53302 | 3 | 13.556 | 838351 | 25.0 |
| Indan, 1-methyl- | 14.202 | 1.3 | ug/L | 43098 | 3 | 13.556 | 838351 | 25.0 |
| Benzene, 2-ethy... | 14.416 | 1.8 | ug/L | 60852 | 3 | 13.556 | 838351 | 25.0 |
| Azulene | 15.354 | 2.7 | ug/L | 89503 | 3 | 13.556 | 838351 | 25.0 |