LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

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\SFAMWLM040722SMA.M
Title : SFAM01.0

Signal : TIC: VW022503.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.959 | 5 | 9 | 17 | rVB | 126668 | 176300 | 83.57% | 8.270% |
| 2 | 2.885 | 157 | 161 | 166 | rVB | 13563 | 23843 | 11.30% | 1.118% |
| 3 | 3.135 | 200 | 202 | 203 | rBV2 | 938 | 677 | 0.32% | 0.032% |
| 4 | 3.398 | 242 | 245 | 250 | rBV5 | 1824 | 3379 | 1.60% | 0.158% |
| 5 | 3.495 | 258 | 261 | 263 | rBV4 | 1412 | 1215 | 0.58% | 0.057% |
| 6 | 3.891 | 324 | 326 | 329 | rVB3 | 1107 | 1066 | 0.51% | 0.050% |
| 7 | 3.934 | 329 | 333 | 337 | rBV5 | 1740 | 3055 | 1.45% | 0.143% |
| 8 | 3.971 | 337 | 339 | 340 | rVV2 | 1868 | 1546 | 0.73% | 0.073% |
| 9 | 4.026 | 340 | 348 | 358 | rVB2 | 25726 | 68116 | 32.29% | 3.195% |
| 10 | 4.379 | 403 | 406 | 407 | rBV2 | 1846 | 1981 | 0.94% | 0.093% |
| 11 | 4.446 | 412 | 417 | 419 | rVV5 | 1019 | 1957 | 0.93% | 0.092% |
| 12 | 4.495 | 423 | 425 | 427 | rVB2 | 783 | 586 | 0.28% | 0.027% |
| 13 | 4.599 | 439 | 442 | 446 | rBV4 | 767 | 1482 | 0.70% | 0.070% |
| 14 | 4.678 | 453 | 455 | 457 | rVB3 | 911 | 585 | 0.28% | 0.027% |
| 15 | 4.696 | 457 | 458 | 460 | rVB2 | 1076 | 564 | 0.27% | 0.026% |
| 16 | 4.721 | 460 | 462 | 464 | rBV2 | 1329 | 1644 | 0.78% | 0.077% |
| 17 | 4.751 | 466 | 467 | 471 | rVV3 | 881 | 620 | 0.29% | 0.029% |
| 18 | 4.849 | 482 | 483 | 486 | rBV3 | 731 | 756 | 0.36% | 0.035% |
| 19 | 5.141 | 530 | 531 | 534 | rVB2 | 995 | 619 | 0.29% | 0.029% |
| 20 | 5.202 | 539 | 541 | 545 | rVB4 | 1190 | 971 | 0.46% | 0.046% |
| 21 | 5.233 | 545 | 546 | 548 | rBV2 | 789 | 576 | 0.27% | 0.027% |
| 22 | 5.416 | 574 | 576 | 577 | rBV2 | 833 | 702 | 0.33% | 0.033% |
| 23 | 5.513 | 590 | 592 | 594 | rBV3 | 737 | 917 | 0.43% | 0.043% |
| 24 | 5.574 | 594 | 602 | 608 | rVB8 | 3581 | 11265 | 5.34% | 0.528% |
| 25 | 5.696 | 620 | 622 | 623 | rBV | 733 | 539 | 0.26% | 0.025% |
| 26 | 5.775 | 634 | 635 | 637 | rBV3 | 767 | 603 | 0.29% | 0.028% |
| 27 | 5.873 | 647 | 651 | 652 | rBV2 | 949 | 1188 | 0.56% | 0.056% |
| 28 | 5.891 | 652 | 654 | 655 | rBV2 | 810 | 533 | 0.25% | 0.025% |
| 29 | 5.909 | 655 | 657 | 658 | rBV | 750 | 559 | 0.26% | 0.026% |
| 30 | 5.940 | 660 | 662 | 664 | rBV2 | 1312 | 1132 | 0.54% | 0.053% |
| 31 | 6.324 | 723 | 725 | 729 | rBV5 | 963 | 1221 | 0.58% | 0.057% |
| 32 | 6.397 | 735 | 737 | 740 | rVB3 | 831 | 670 | 0.32% | 0.031% |
| 33 | 6.495 | 752 | 753 | 755 | rBV2 | 941 | 545 | 0.26% | 0.026% |
| 34 | 6.519 | 755 | 757 | 759 | rBV2 | 712 | 753 | 0.36% | 0.035% |
| 35 | 6.629 | 772 | 775 | 778 | rBV5 | 1214 | 1794 | 0.85% | 0.084% |
| 36 | 6.702 | 785 | 787 | 790 | rVV4 | 1025 | 1099 | 0.52% | 0.052% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

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\SFAMWLM040722SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.793 | 800 | 802 | 803 | rVB2 | 832 | 537 | 0.25% | 0.025% |
| 38 | 6.812 | 803 | 805 | 808 | rBV4 | 690 | 980 | 0.46% | 0.046% |
| 39 | 6.866 | 812 | 814 | 816 | rBV3 | 942 | 854 | 0.40% | 0.040% |
| 40 | 6.970 | 825 | 831 | 833 | rBV6 | 2832 | 4552 | 2.16% | 0.214% |
| 41 | 7.092 | 843 | 851 | 855 | rBV3 | 6547 | 18936 | 8.98% | 0.888% |
| 42 | 7.251 | 874 | 877 | 878 | rBV3 | 1555 | 1406 | 0.67% | 0.066% |
| 43 | 7.287 | 881 | 883 | 884 | rBV2 | 1165 | 1165 | 0.55% | 0.055% |
| 44 | 7.330 | 888 | 890 | 892 | rBV3 | 991 | 1161 | 0.55% | 0.054% |
| 45 | 7.391 | 898 | 900 | 904 | rVB4 | 1245 | 1072 | 0.51% | 0.050% |
| 46 | 7.433 | 904 | 907 | 910 | rBV4 | 788 | 1045 | 0.50% | 0.049% |
| 47 | 7.464 | 910 | 912 | 914 | rVB3 | 1052 | 781 | 0.37% | 0.037% |
| 48 | 7.494 | 914 | 917 | 918 | rBV | 1068 | 1017 | 0.48% | 0.048% |
| 49 | 7.580 | 929 | 931 | 933 | rBV3 | 740 | 832 | 0.39% | 0.039% |
| 50 | 7.653 | 935 | 943 | 954 | rVB2 | 34008 | 89027 | 42.20% | 4.176% |
| 51 | 7.909 | 983 | 985 | 987 | rBV3 | 911 | 817 | 0.39% | 0.038% |
| 52 | 7.958 | 988 | 993 | 999 | rVB7 | 3281 | 6704 | 3.18% | 0.314% |
| 53 | 8.147 | 1023 | 1024 | 1027 | rBV3 | 723 | 783 | 0.37% | 0.037% |
| 54 | 8.171 | 1027 | 1028 | 1032 | rVB4 | 1405 | 1236 | 0.59% | 0.058% |
| 55 | 8.214 | 1032 | 1035 | 1036 | rBV3 | 983 | 875 | 0.41% | 0.041% |
| 56 | 8.281 | 1036 | 1046 | 1047 | rBV | 63732 | 119989 | 56.88% | 5.628% |
| 57 | 8.695 | 1112 | 1114 | 1116 | rVV3 | 1663 | 1407 | 0.67% | 0.066% |
| 58 | 8.714 | 1116 | 1117 | 1119 | rVV2 | 1648 | 1016 | 0.48% | 0.048% |
| 59 | 8.738 | 1119 | 1121 | 1123 | rVB3 | 848 | 632 | 0.30% | 0.030% |
| 60 | 8.842 | 1131 | 1138 | 1147 | rBV | 60454 | 123875 | 58.72% | 5.811% |
| 61 | 9.006 | 1164 | 1165 | 1166 | rBV | 1136 | 506 | 0.24% | 0.024% |
| 62 | 9.092 | 1175 | 1179 | 1185 | rVB3 | 13214 | 25201 | 11.95% | 1.182% |
| 63 | 9.275 | 1201 | 1209 | 1216 | rBV2 | 45104 | 97016 | 45.99% | 4.551% |
| 64 | 9.457 | 1237 | 1239 | 1242 | rBV4 | 753 | 1086 | 0.51% | 0.051% |
| 65 | 9.512 | 1242 | 1248 | 1256 | rVB5 | 6689 | 15480 | 7.34% | 0.726% |
| 66 | 9.604 | 1261 | 1263 | 1264 | rBV2 | 773 | 715 | 0.34% | 0.034% |
| 67 | 9.738 | 1283 | 1285 | 1289 | rVB4 | 1243 | 1354 | 0.64% | 0.064% |
| 68 | 9.781 | 1289 | 1292 | 1294 | rBV3 | 703 | 889 | 0.42% | 0.042% |
| 69 | 9.805 | 1294 | 1296 | 1298 | rBV3 | 973 | 634 | 0.30% | 0.030% |
| 70 | 9.957 | 1315 | 1321 | 1327 | rVV5 | 9741 | 19583 | 9.28% | 0.919% |
| 71 | 10.037 | 1328 | 1334 | 1340 | rVB | 22752 | 41684 | 19.76% | 1.955% |
| 72 | 10.323 | 1373 | 1381 | 1387 | rBV | 89481 | 161540 | 76.57% | 7.577% |
| 73 | 10.384 | 1387 | 1391 | 1398 | rVV2 | 22636 | 40963 | 19.42% | 1.921% |
| 74 | 10.457 | 1401 | 1403 | 1406 | rVB4 | 1506 | 1133 | 0.54% | 0.053% |
| 75 | 10.482 | 1406 | 1407 | 1408 | rBV | 1503 | 951 | 0.45% | 0.045% |
| 76 | 10.579 | 1418 | 1423 | 1429 | rVB2 | 11989 | 23206 | 11.00% | 1.089% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

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\SFAMWLM040722SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 10.713 | 1441 | 1445 | 1450 | rBV6 | 4338 | 8690 | 4.12% | 0.408% |
| 78 | 10.927 | 1474 | 1480 | 1492 | rBV | 112957 | 210965 | 100.00% | 9.896% |
| 79 | 11.280 | 1536 | 1538 | 1539 | rBV2 | 1349 | 1378 | 0.65% | 0.065% |
| 80 | 11.366 | 1550 | 1552 | 1554 | rVB2 | 1305 | 935 | 0.44% | 0.044% |
| 81 | 11.390 | 1554 | 1556 | 1557 | rBV2 | 929 | 740 | 0.35% | 0.035% |
| 82 | 11.463 | 1566 | 1568 | 1569 | rBV2 | 1131 | 770 | 0.36% | 0.036% |
| 83 | 11.634 | 1588 | 1596 | 1598 | rBV | 89553 | 176434 | 83.63% | 8.276% |
| 84 | 12.164 | 1680 | 1683 | 1687 | rVB6 | 3511 | 5664 | 2.68% | 0.266% |
| 85 | 12.256 | 1696 | 1698 | 1699 | rVB2 | 911 | 509 | 0.24% | 0.024% |
| 86 | 12.286 | 1699 | 1703 | 1704 | rBV4 | 1258 | 1613 | 0.76% | 0.076% |
| 87 | 12.689 | 1763 | 1769 | 1773 | rBV2 | 37511 | 65438 | 31.02% | 3.070% |
| 88 | 12.743 | 1773 | 1778 | 1784 | rVB | 95968 | 158467 | 75.12% | 7.433% |
| 89 | 12.890 | 1797 | 1802 | 1812 | rVB2 | 17363 | 33561 | 15.91% | 1.574% |
| 90 | 12.987 | 1815 | 1818 | 1825 | rVB2 | 10853 | 15675 | 7.43% | 0.735% |
| 91 | 13.103 | 1832 | 1837 | 1843 | rVB2 | 12399 | 22424 | 10.63% | 1.052% |
| 92 | 13.170 | 1846 | 1848 | 1849 | rBV2 | 1088 | 703 | 0.33% | 0.033% |
| 93 | 13.554 | 1905 | 1911 | 1922 | rVB | 82484 | 144746 | 68.61% | 6.790% |
| 94 | 13.847 | 1953 | 1959 | 1969 | rVB | 75628 | 137395 | 65.13% | 6.445% |
| 95 | 14.091 | 1997 | 1999 | 2005 | rVB5 | 3860 | 5099 | 2.42% | 0.239% |
| 96 | 14.469 | 2057 | 2061 | 2066 | rVB7 | 5352 | 8672 | 4.11% | 0.407% |
| 97 | 14.749 | 2105 | 2107 | 2108 | rBV2 | 1184 | 754 | 0.36% | 0.035% |
| 98 | 14.993 | 2143 | 2147 | 2149 | rVB4 | 1239 | 1417 | 0.67% | 0.066% |
| 99 | 15.926 | 2298 | 2300 | 2302 | rVB3 | 1627 | 913 | 0.43% | 0.043% |
| 100 | 16.523 | 2396 | 2398 | 2400 | rBV3 | 1128 | 1206 | 0.57% | 0.057% |

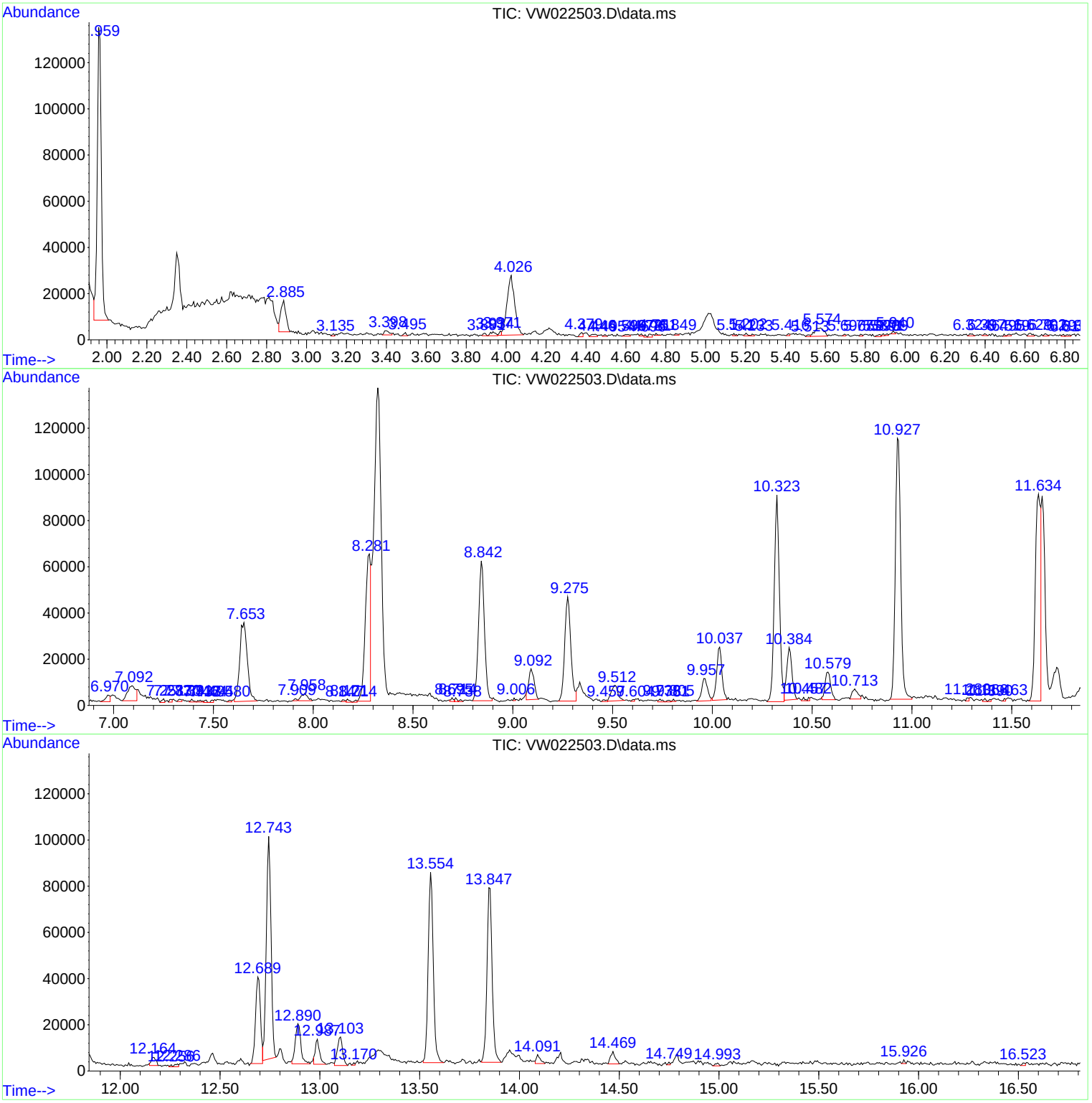
Sum of corrected areas: 2131866

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

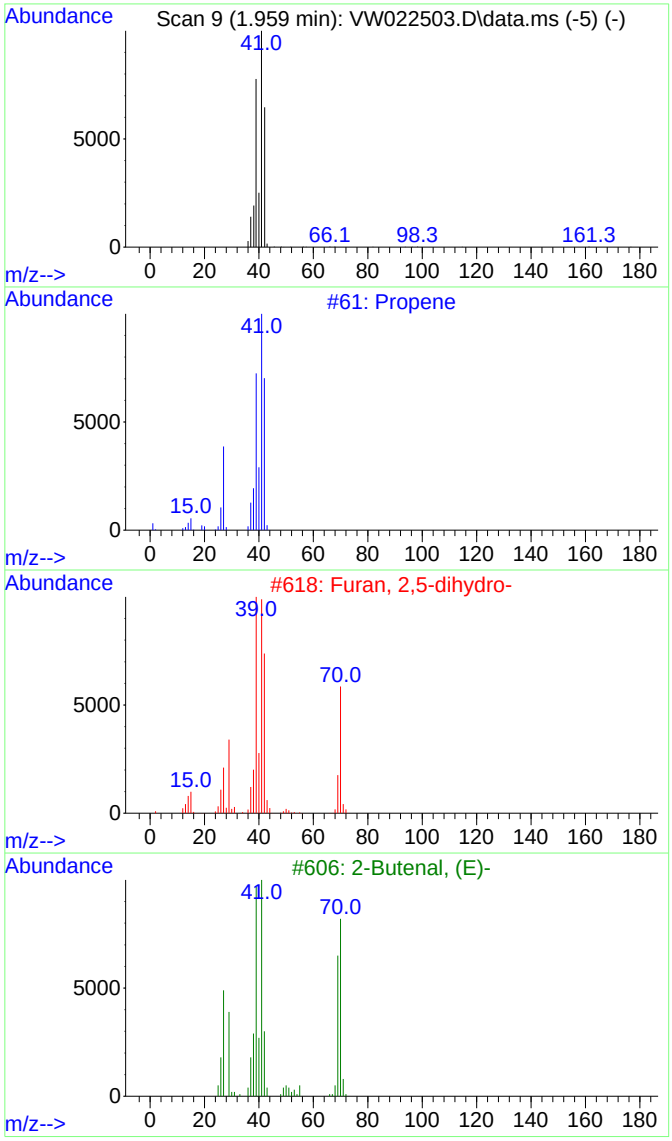
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

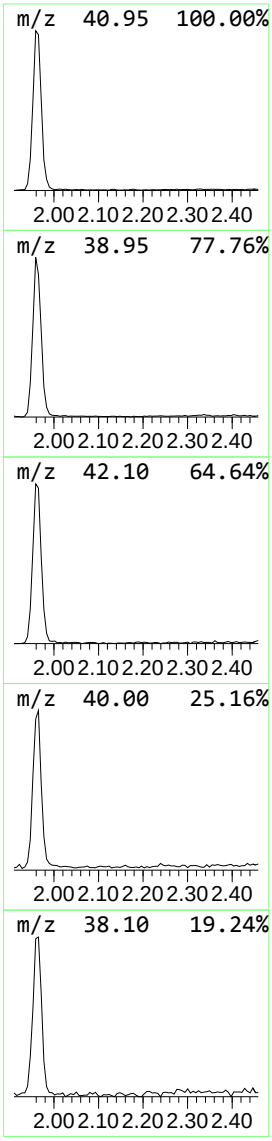
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.959 | 35.58 ug/L | 176300 | 1,4-Difluorobenzene | 8.842 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 90 |
| 2 | Furan, 2,5-dihydro- | 70 | C4H6O | 001708-29-8 | 83 |
| 3 | 2-Butenal, (E)- | 70 | C4H6O | 000123-73-9 | 78 |
| 4 | 3-Butenoic acid | 86 | C4H6O2 | 000625-38-7 | 78 |
| 5 | N-Methyl-7-azabicyclo(2,2,1)hept... | 109 | C7H11N | 055590-26-6 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

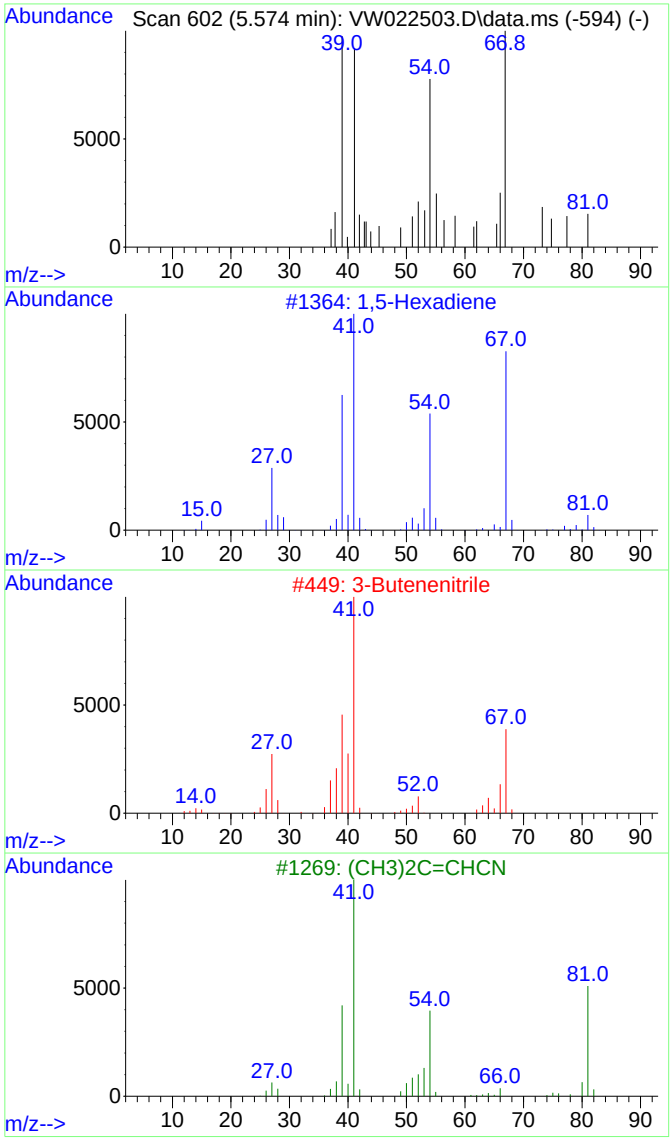
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

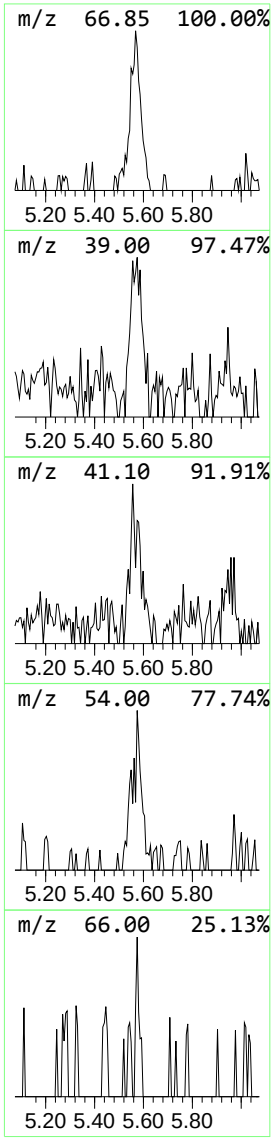
**********

Peak Number 2 unknown-01 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.574 | 2.27 ug/L | 11265 | 1,4-Difluorobenzene | 8.842 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5-Hexadiene | 82 | C6H10 | 000592-42-7 | 45 |
| 2 | 3-Butenenitrile | 67 | C4H5N | 000109-75-1 | 43 |
| 3 | (CH3)2C=CHCN | 81 | C5H7N | 004786-24-7 | 38 |
| 4 | 2-Butenenitrile | 67 | C4H5N | 004786-20-3 | 37 |
| 5 | Bicyclo[1.1.0]butane | 54 | C4H6 | 000157-33-5 | 33 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

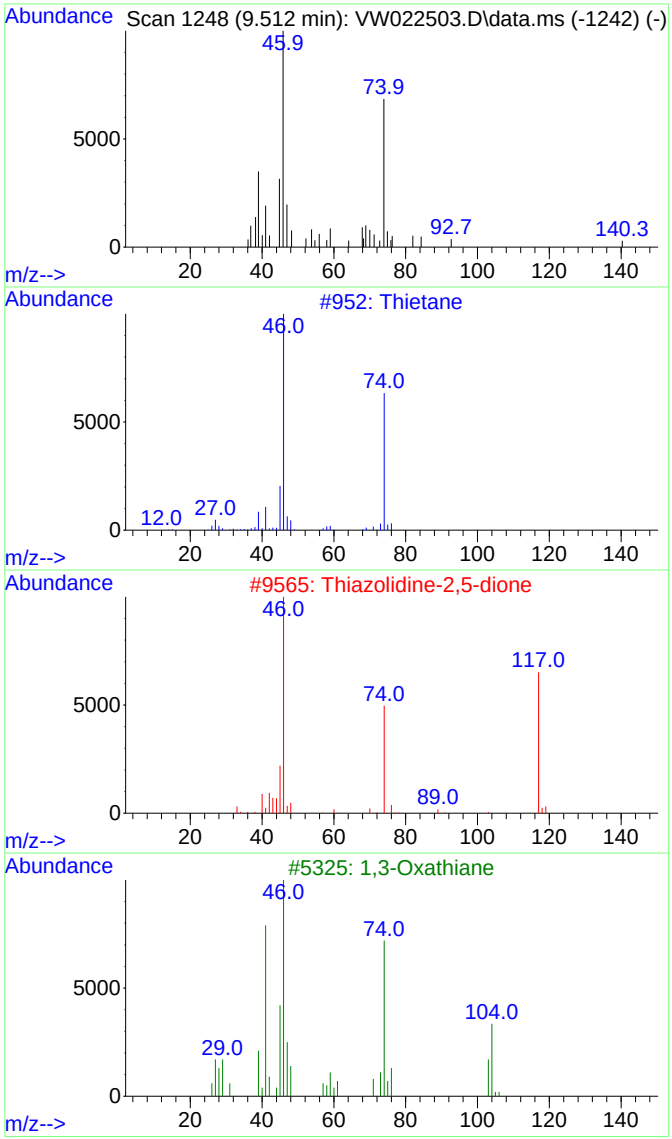
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

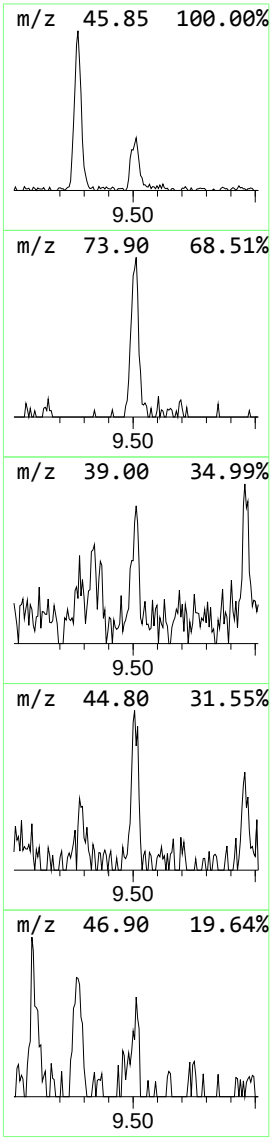
**********

Peak Number 3 Thietane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.512 | 3.12 ug/L | 15480 | 1,4-Difluorobenzene | 8.842 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thietane | 74 | C3H6S | 000287-27-4 | 50 |
| 2 | Thiazolidine-2,5-dione | 117 | C3H3NO2S | 016874-97-8 | 40 |
| 3 | 1,3-Oxathiane | 104 | C4H8OS | 000646-12-8 | 25 |
| 4 | Thietane, 3-methyl- | 88 | C4H8S | 022438-40-0 | 23 |
| 5 | Thiazolidin-4-one, 2-hydroxymeth... | 146 | C4H6N2O2S | 104959-22-0 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

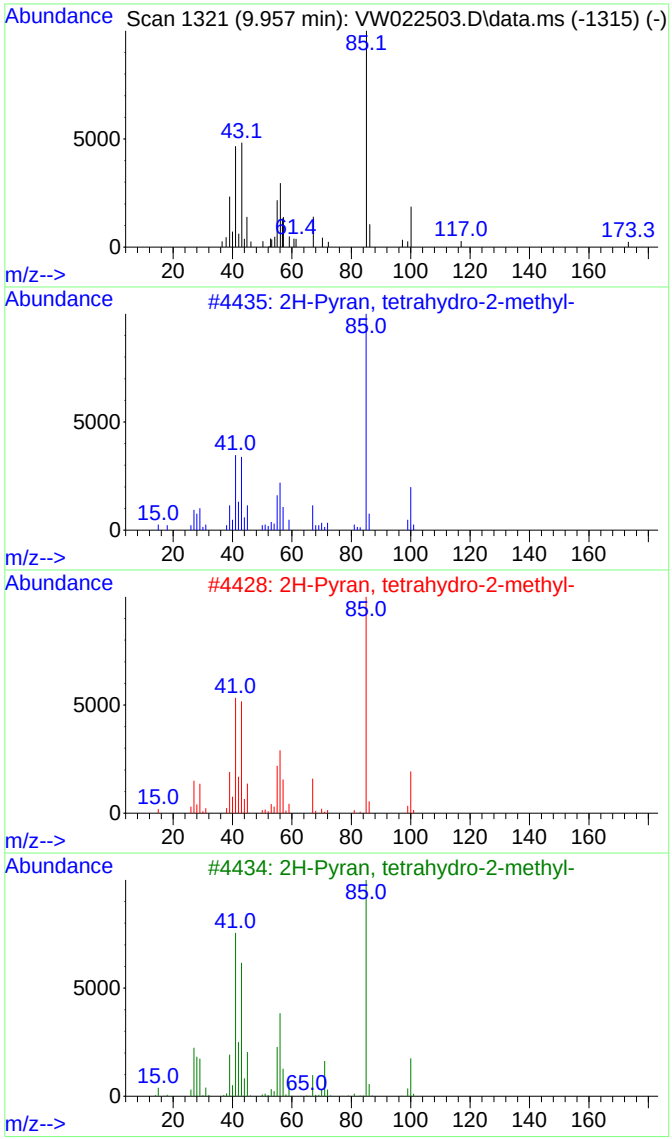
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

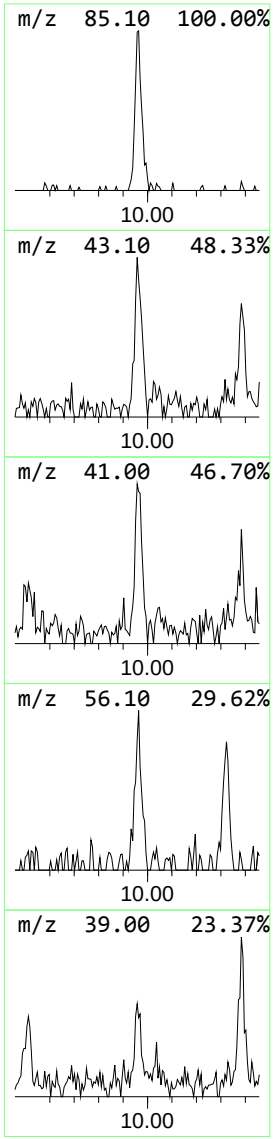
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.957 | 3.95 ug/L | 19583 | 1,4-Difluorobenzene | 8.842 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 86 |
| 2 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 83 |
| 3 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 72 |
| 4 | 1-Bromo-8-tetrahydropyranyloxyoc... | 292 | C13H25BrO2 | 050816-20-1 | 59 |
| 5 | Furfuryl alcohol, tetrahydro-5-m... | 116 | C6H12O2 | 016015-08-0 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

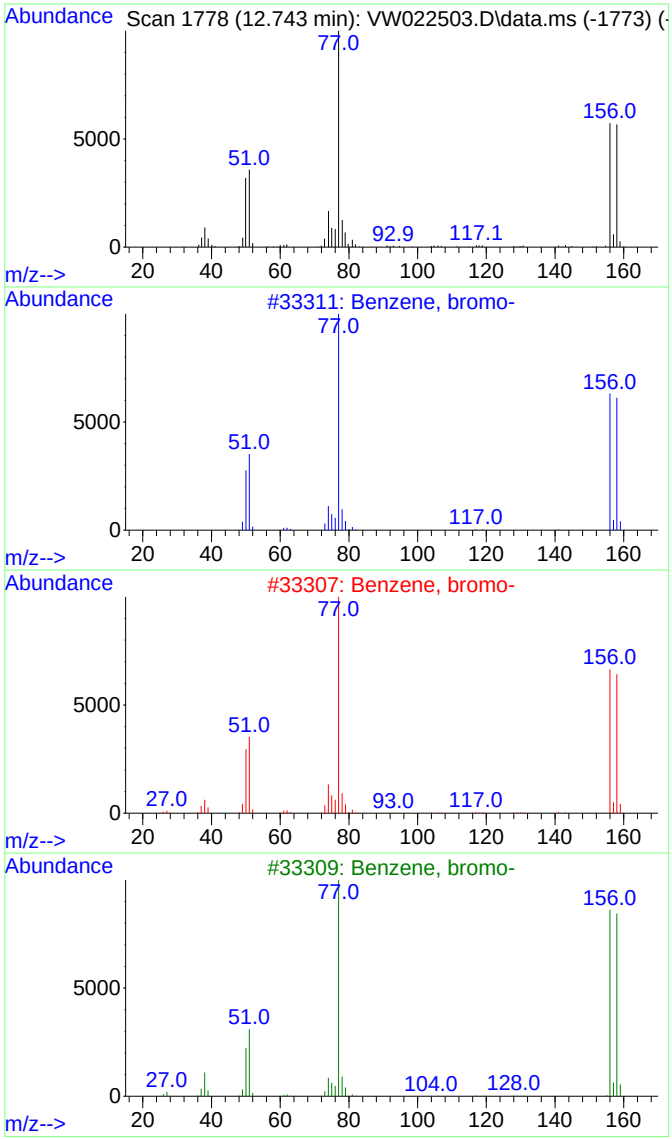
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

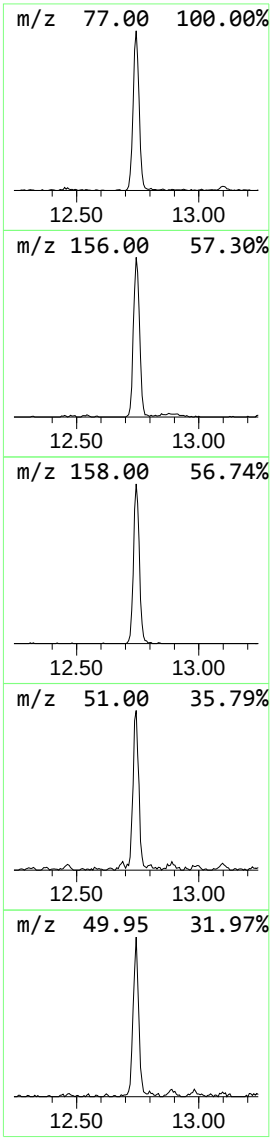
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, bromo- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.743 | 27.37 ug/L | 158467 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 95 |
| 2 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 94 |
| 3 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 94 |
| 4 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 91 |
| 5 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

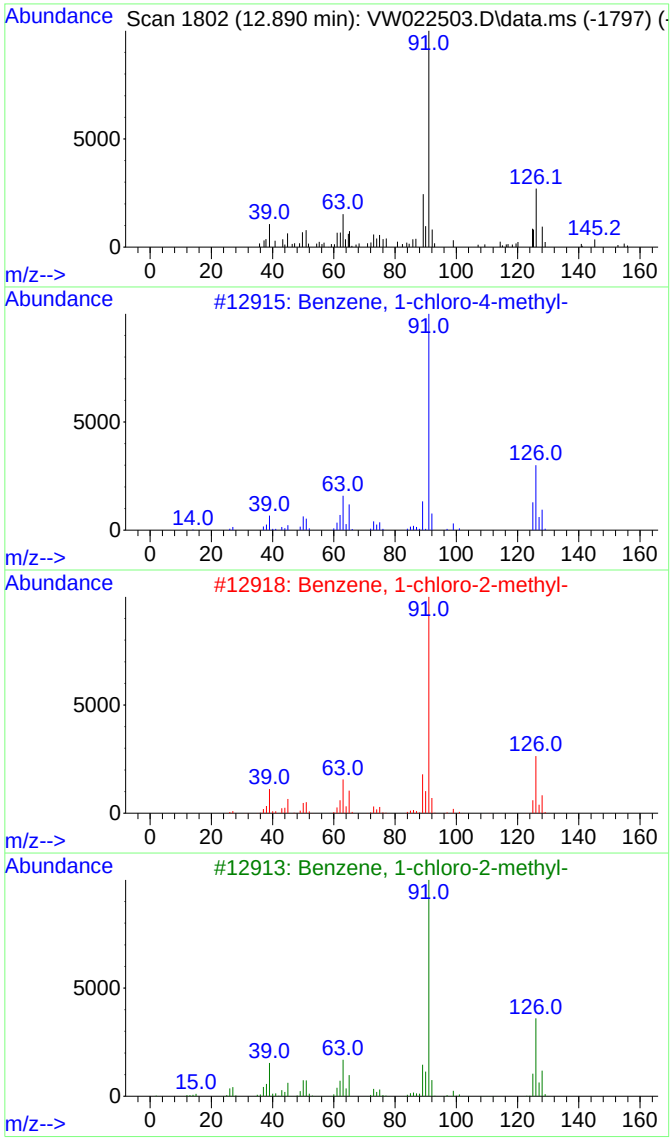
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

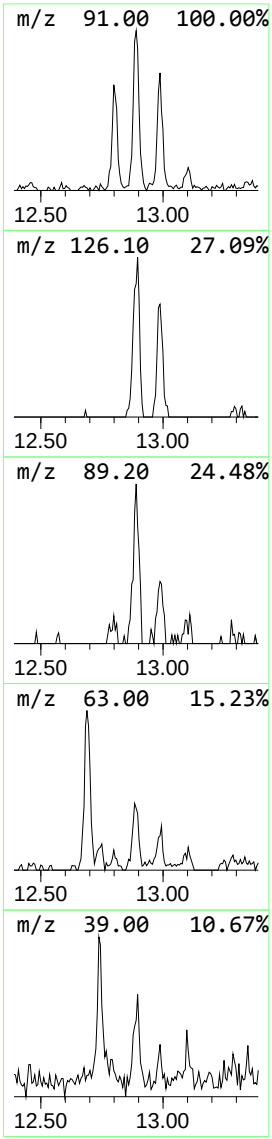
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-chloro-4-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.890 | 5.80 ug/L | 33561 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-4-methyl- | 126 | C7H7Cl | 000106-43-4 | 92 |
| 2 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 81 |
| 3 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 76 |
| 4 | Benzene, 1-chloro-3-methyl- | 126 | C7H7Cl | 000108-41-8 | 70 |
| 5 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 68 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

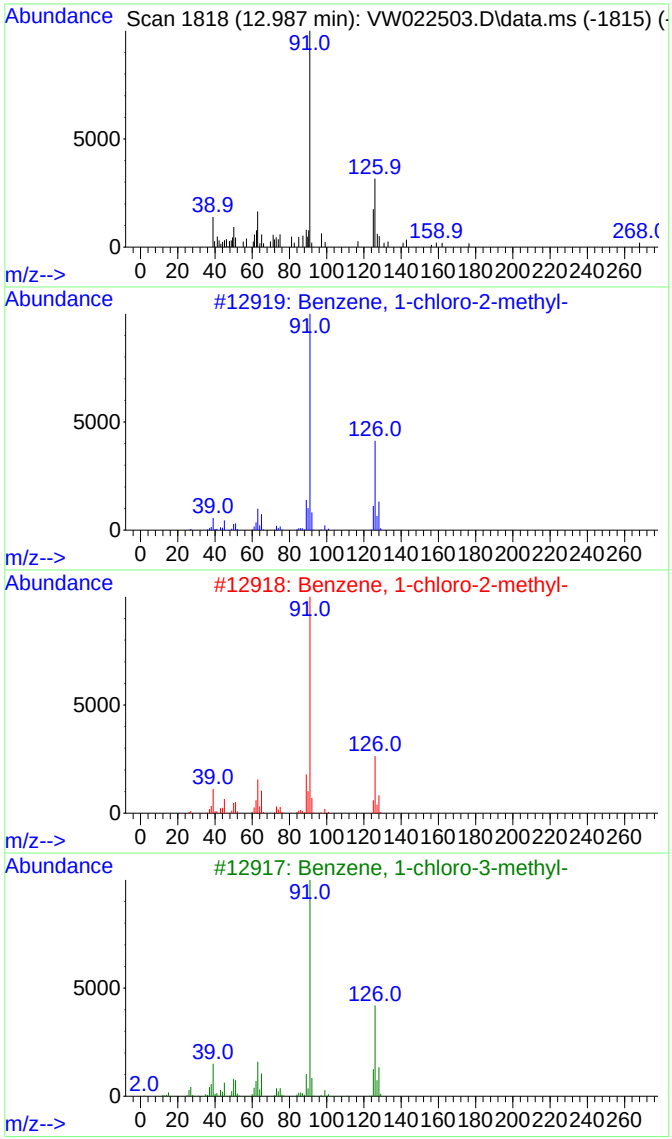
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

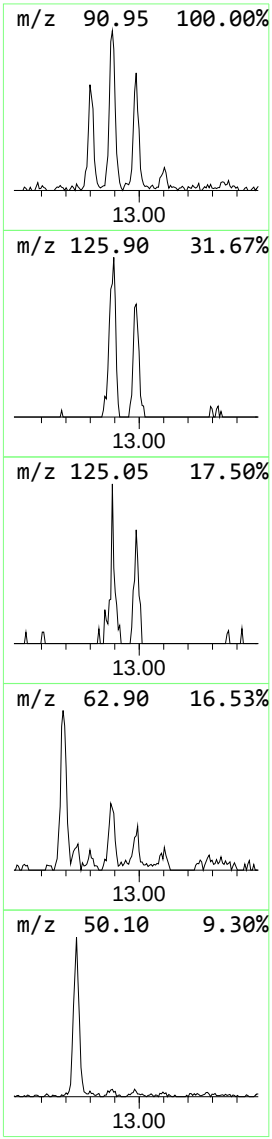
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1-chloro-2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.987 | 2.71 ug/L | 15675 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 58 |
| 2 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 53 |
| 3 | Benzene, 1-chloro-3-methyl- | 126 | C7H7Cl | 000108-41-8 | 52 |
| 4 | Benzene, 1-chloro-4-methyl- | 126 | C7H7Cl | 000106-43-4 | 49 |
| 5 | Benzene, 1-chloro-4-methyl- | 126 | C7H7Cl | 000106-43-4 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

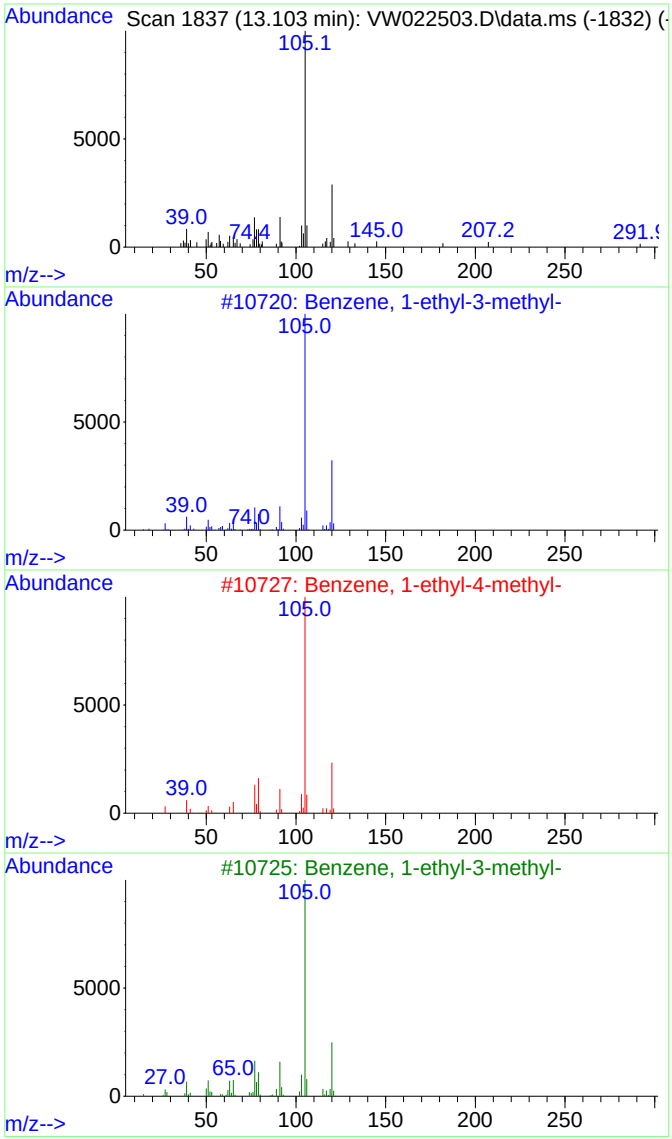
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

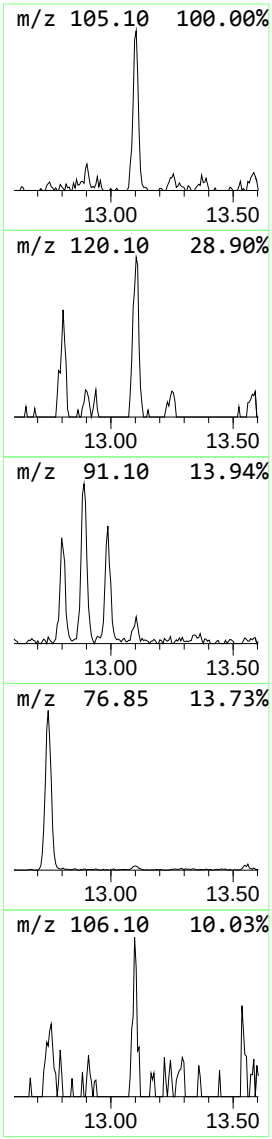
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.103 | 3.87 ug/L | 22424 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 5 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

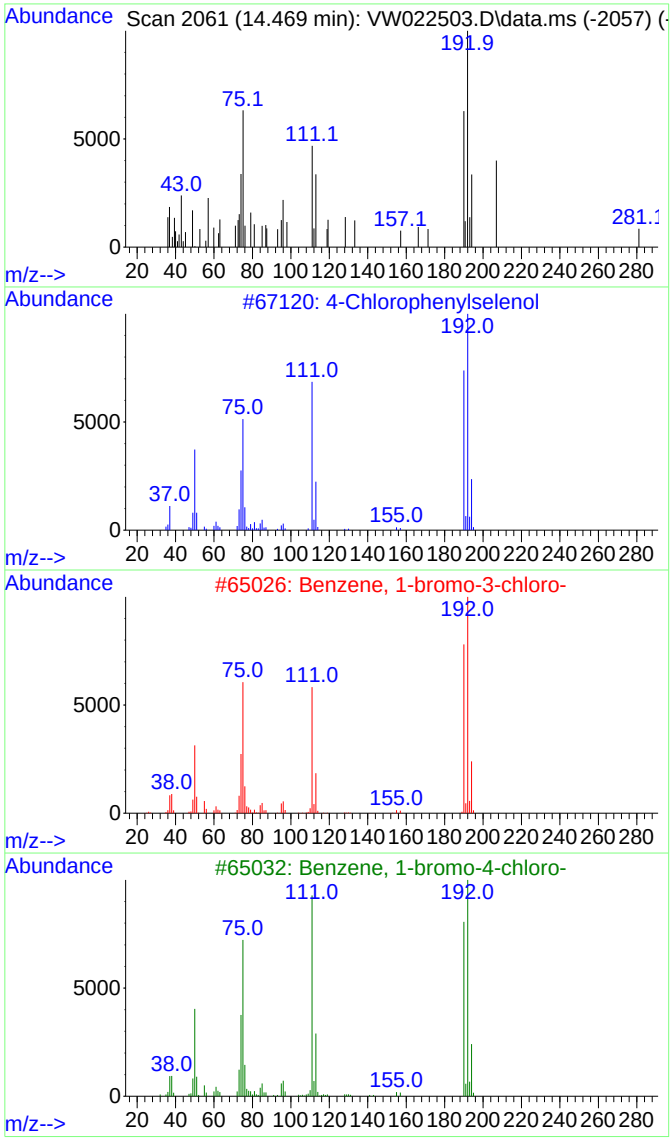
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

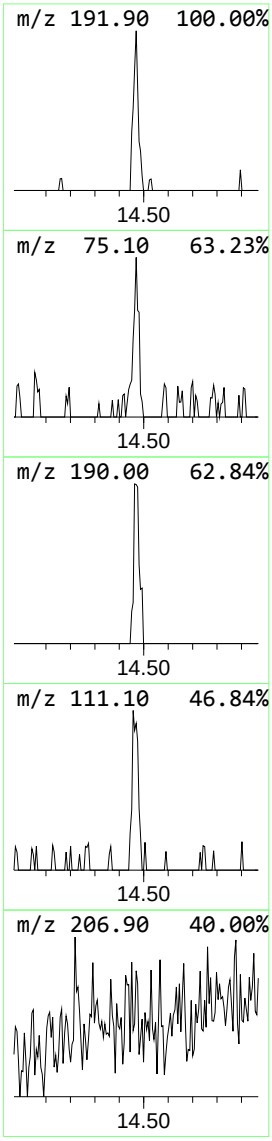
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 4-Chlorophenylselenol Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.469 | 1.50 ug/L | 8672 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chlorophenylselenol | 192 | C6H5ClSe | 016645-10-6 | 58 |
| 2 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 52 |
| 3 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 46 |
| 4 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 46 |
| 5 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 46 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022503.D
Acq On : 12 Apr 2022 13:33
Operator : SY/VA
Sample : N2316-12RE
Misc : 7.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
ETNR2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.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... | 1.959 | 35.6 | ug/L | 176300 | 1 | 8.842 | 123875 | 25.0 |
| unknown-01 | 5.574 | 2.3 | ug/L | 11265 | 1 | 8.842 | 123875 | 25.0 |
| Thietane | 9.512 | 3.1 | ug/L | 15480 | 1 | 8.842 | 123875 | 25.0 |
| 2H-Pyran, tetra... | 9.957 | 4.0 | ug/L | 19583 | 1 | 8.842 | 123875 | 25.0 |
| Benzene, bromo- | 12.743 | 27.4 | ug/L | 158467 | 3 | 13.554 | 144746 | 25.0 |
| Benzene, 1-chlo... | 12.890 | 5.8 | ug/L | 33561 | 3 | 13.554 | 144746 | 25.0 |
| Benzene, 1-chlo... | 12.987 | 2.7 | ug/L | 15675 | 3 | 13.554 | 144746 | 25.0 |
| Benzene, 1-ethy... | 13.103 | 3.9 | ug/L | 22424 | 3 | 13.554 | 144746 | 25.0 |
| 4-Chlorophenyls... | 14.469 | 1.5 | ug/L | 8672 | 3 | 13.554 | 144746 | 25.0 |