LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

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\SFAMWLM101123SMA.M
Title : SFAM01.0

Signal : TIC: VW027427.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.039 | 180 | 189 | 216 | rVB | 173243 | 529575 | 1.05% | 0.168% |
| 2 | 4.021 | 340 | 350 | 357 | rBV | 119747 | 354250 | 0.70% | 0.112% |
| 3 | 4.125 | 357 | 367 | 395 | rVB | 358747 | 1617641 | 3.19% | 0.512% |
| 4 | 4.911 | 478 | 496 | 546 | rBV | 2028034 | 10679517 | 21.08% | 3.378% |
| 5 | 5.448 | 569 | 584 | 615 | rVV | 779481 | 3042962 | 6.01% | 0.963% |
| 6 | 6.728 | 779 | 794 | 806 | rBV2 | 118599 | 534204 | 1.05% | 0.169% |
| 7 | 6.880 | 806 | 819 | 846 | rVV2 | 2830640 | 10958246 | 21.63% | 3.466% |
| 8 | 7.173 | 859 | 867 | 900 | rVB4 | 70906 | 382474 | 0.75% | 0.121% |
| 9 | 7.648 | 933 | 945 | 950 | rBV2 | 239754 | 711293 | 1.40% | 0.225% |
| 10 | 7.703 | 951 | 954 | 973 | rVB | 152581 | 478528 | 0.94% | 0.151% |
| 11 | 7.923 | 983 | 990 | 998 | rBV | 442875 | 1038201 | 2.05% | 0.328% |
| 12 | 8.039 | 998 | 1009 | 1023 | rVV | 7716422 | 23742751 | 46.86% | 7.510% |
| 13 | 8.154 | 1023 | 1028 | 1035 | rVV | 914001 | 2241032 | 4.42% | 0.709% |
| 14 | 8.228 | 1035 | 1040 | 1043 | rVV | 312064 | 739671 | 1.46% | 0.234% |
| 15 | 8.276 | 1044 | 1048 | 1064 | rVB2 | 433685 | 1343013 | 2.65% | 0.425% |
| 16 | 8.484 | 1064 | 1082 | 1110 | rBV | 12862364 | 50672674 | 100.00% | 16.028% |
| 17 | 8.843 | 1131 | 1141 | 1150 | rBV | 767832 | 1687522 | 3.33% | 0.534% |
| 18 | 8.935 | 1151 | 1156 | 1162 | rVV | 150488 | 303071 | 0.60% | 0.096% |
| 19 | 9.069 | 1171 | 1178 | 1183 | rBV | 329150 | 665907 | 1.31% | 0.211% |
| 20 | 9.148 | 1183 | 1191 | 1205 | rVB2 | 120175 | 494130 | 0.98% | 0.156% |
| 21 | 9.331 | 1205 | 1221 | 1225 | rBV3 | 3649061 | 9705479 | 19.15% | 3.070% |
| 22 | 9.386 | 1225 | 1230 | 1239 | rVV | 3962694 | 8918437 | 17.60% | 2.821% |
| 23 | 9.471 | 1239 | 1244 | 1257 | rVV | 582291 | 1749892 | 3.45% | 0.554% |
| 24 | 9.611 | 1257 | 1267 | 1277 | rVV3 | 925818 | 2450454 | 4.84% | 0.775% |
| 25 | 9.764 | 1283 | 1292 | 1303 | rBV | 8023238 | 20337933 | 40.14% | 6.433% |
| 26 | 9.898 | 1303 | 1314 | 1326 | rBV | 9000127 | 23228318 | 45.84% | 7.347% |
| 27 | 9.989 | 1326 | 1329 | 1338 | rVB3 | 1070958 | 2030906 | 4.01% | 0.642% |
| 28 | 10.093 | 1338 | 1346 | 1361 | rVB3 | 2026164 | 6271814 | 12.38% | 1.984% |
| 29 | 10.252 | 1363 | 1372 | 1379 | rBV2 | 3674857 | 8123666 | 16.03% | 2.570% |
| 30 | 10.325 | 1379 | 1384 | 1395 | rVB2 | 1723277 | 4165964 | 8.22% | 1.318% |
| 31 | 10.447 | 1395 | 1404 | 1407 | rBV2 | 705387 | 1593055 | 3.14% | 0.504% |
| 32 | 10.489 | 1407 | 1411 | 1413 | rBV2 | 595200 | 1022542 | 2.02% | 0.323% |
| 33 | 10.605 | 1427 | 1430 | 1435 | rVB3 | 331960 | 555170 | 1.10% | 0.176% |
| 34 | 10.666 | 1435 | 1440 | 1447 | rBV3 | 446292 | 1159198 | 2.29% | 0.367% |
| 35 | 10.745 | 1447 | 1453 | 1464 | rVV4 | 1901775 | 6011431 | 11.86% | 1.901% |
| 36 | 10.843 | 1464 | 1469 | 1475 | rVB2 | 1006184 | 1849473 | 3.65% | 0.585% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

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\SFAMWLM101123SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.934 | 1475 | 1484 | 1489 | rBV2 | 1019667 | 2141621 | 4.23% | 0.677% |
| 38 | 11.032 | 1489 | 1500 | 1508 | rBV3 | 1628493 | 4709167 | 9.29% | 1.490% |
| 39 | 11.099 | 1508 | 1511 | 1514 | rBV2 | 361159 | 509616 | 1.01% | 0.161% |
| 40 | 11.142 | 1514 | 1518 | 1522 | rVB3 | 499507 | 753612 | 1.49% | 0.238% |
| 41 | 11.227 | 1527 | 1532 | 1537 | rVB5 | 429442 | 762266 | 1.50% | 0.241% |
| 42 | 11.282 | 1537 | 1541 | 1546 | rVB3 | 364745 | 577516 | 1.14% | 0.183% |
| 43 | 11.337 | 1546 | 1550 | 1554 | rBV | 738100 | 1050737 | 2.07% | 0.332% |
| 44 | 11.404 | 1554 | 1561 | 1573 | rVB3 | 1810576 | 5094467 | 10.05% | 1.611% |
| 45 | 11.507 | 1573 | 1578 | 1583 | rBV | 1714800 | 3025522 | 5.97% | 0.957% |
| 46 | 11.605 | 1588 | 1594 | 1596 | rBV | 1209295 | 2134125 | 4.21% | 0.675% |
| 47 | 11.690 | 1602 | 1608 | 1612 | rBV | 1543061 | 2538397 | 5.01% | 0.803% |
| 48 | 11.763 | 1618 | 1620 | 1623 | rVB4 | 196250 | 200858 | 0.40% | 0.064% |
| 49 | 11.812 | 1623 | 1628 | 1632 | rVB3 | 382697 | 684316 | 1.35% | 0.216% |
| 50 | 11.873 | 1632 | 1638 | 1642 | rBV2 | 1539348 | 2412378 | 4.76% | 0.763% |
| 51 | 11.916 | 1642 | 1645 | 1649 | rVB2 | 389646 | 571131 | 1.13% | 0.181% |
| 52 | 12.026 | 1657 | 1663 | 1665 | rBV4 | 211003 | 415123 | 0.82% | 0.131% |
| 53 | 12.068 | 1665 | 1670 | 1676 | rBV3 | 661732 | 1177885 | 2.32% | 0.373% |
| 54 | 12.135 | 1676 | 1681 | 1687 | rBV2 | 746410 | 1197318 | 2.36% | 0.379% |
| 55 | 12.245 | 1693 | 1699 | 1704 | rVB2 | 932533 | 1786225 | 3.53% | 0.565% |
| 56 | 12.330 | 1704 | 1713 | 1717 | rBV3 | 576096 | 1481363 | 2.92% | 0.469% |
| 57 | 12.458 | 1730 | 1734 | 1739 | rBV | 969718 | 1798941 | 3.55% | 0.569% |
| 58 | 12.587 | 1749 | 1755 | 1761 | rVB | 4051916 | 6883233 | 13.58% | 2.177% |
| 59 | 12.647 | 1761 | 1765 | 1768 | rBV | 589835 | 710609 | 1.40% | 0.225% |
| 60 | 12.690 | 1768 | 1772 | 1777 | rVB4 | 671434 | 1258598 | 2.48% | 0.398% |
| 61 | 12.751 | 1777 | 1782 | 1785 | rBV | 885761 | 1480835 | 2.92% | 0.468% |
| 62 | 12.800 | 1785 | 1790 | 1797 | rVB | 4242854 | 6759202 | 13.34% | 2.138% |
| 63 | 12.958 | 1804 | 1816 | 1830 | rVB3 | 708469 | 2598815 | 5.13% | 0.822% |
| 64 | 13.074 | 1830 | 1835 | 1837 | rBV3 | 185681 | 295755 | 0.58% | 0.094% |
| 65 | 13.129 | 1840 | 1844 | 1846 | rVV2 | 195569 | 303360 | 0.60% | 0.096% |
| 66 | 13.190 | 1846 | 1854 | 1858 | rVB | 563826 | 1160055 | 2.29% | 0.367% |
| 67 | 13.294 | 1866 | 1871 | 1876 | rVB2 | 330194 | 535326 | 1.06% | 0.169% |
| 68 | 13.367 | 1876 | 1883 | 1893 | rBV4 | 958210 | 3244985 | 6.40% | 1.026% |
| 69 | 13.483 | 1898 | 1902 | 1904 | rBV | 260359 | 350901 | 0.69% | 0.111% |
| 70 | 13.550 | 1910 | 1913 | 1917 | rBV2 | 639176 | 896895 | 1.77% | 0.284% |
| 71 | 13.599 | 1917 | 1921 | 1934 | rVB4 | 674427 | 1900255 | 3.75% | 0.601% |
| 72 | 13.714 | 1934 | 1940 | 1944 | rBV | 2186456 | 3463056 | 6.83% | 1.095% |
| 73 | 13.751 | 1944 | 1946 | 1950 | rVB2 | 803854 | 1050137 | 2.07% | 0.332% |
| 74 | 13.794 | 1950 | 1953 | 1956 | rBV2 | 577630 | 899252 | 1.77% | 0.284% |
| 75 | 13.879 | 1963 | 1967 | 1974 | rVB | 643700 | 1015901 | 2.00% | 0.321% |
| 76 | 13.946 | 1975 | 1978 | 1986 | rVB2 | 143398 | 238475 | 0.47% | 0.075% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

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\SFAMWLM101123SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.092 | 1995 | 2002 | 2008 | rBV | 4438872 | 6986459 | 13.79% | 2.210% |
| 78 | 14.153 | 2008 | 2012 | 2015 | rBV | 544410 | 770505 | 1.52% | 0.244% |
| 79 | 14.202 | 2015 | 2020 | 2026 | rVB2 | 2573594 | 4213924 | 8.32% | 1.333% |
| 80 | 14.269 | 2026 | 2031 | 2036 | rBV4 | 231357 | 400657 | 0.79% | 0.127% |
| 81 | 14.342 | 2038 | 2043 | 2046 | rBV2 | 189520 | 291459 | 0.58% | 0.092% |
| 82 | 14.409 | 2046 | 2054 | 2061 | rVB | 3395016 | 5781465 | 11.41% | 1.829% |
| 83 | 14.495 | 2063 | 2068 | 2072 | rBV2 | 845508 | 1387119 | 2.74% | 0.439% |
| 84 | 14.598 | 2081 | 2085 | 2087 | rBV | 137086 | 193376 | 0.38% | 0.061% |
| 85 | 14.635 | 2088 | 2091 | 2094 | rVB | 216643 | 273364 | 0.54% | 0.086% |
| 86 | 14.684 | 2094 | 2099 | 2103 | rBV2 | 1159739 | 1884060 | 3.72% | 0.596% |
| 87 | 14.726 | 2103 | 2106 | 2110 | rVB | 332138 | 467153 | 0.92% | 0.148% |
| 88 | 14.800 | 2110 | 2118 | 2123 | rBV3 | 1487129 | 3271172 | 6.46% | 1.035% |
| 89 | 14.848 | 2123 | 2126 | 2133 | rVB | 561157 | 948443 | 1.87% | 0.300% |
| 90 | 15.056 | 2149 | 2160 | 2164 | rVV2 | 1064312 | 2146617 | 4.24% | 0.679% |
| 91 | 15.098 | 2164 | 2167 | 2171 | rVV | 274285 | 477399 | 0.94% | 0.151% |
| 92 | 15.165 | 2171 | 2178 | 2187 | rVV3 | 745987 | 1795935 | 3.54% | 0.568% |
| 93 | 15.318 | 2198 | 2203 | 2212 | rVB5 | 163155 | 390751 | 0.77% | 0.124% |
| 94 | 15.464 | 2221 | 2227 | 2231 | rVV2 | 211430 | 411400 | 0.81% | 0.130% |
| 95 | 15.513 | 2231 | 2235 | 2249 | rVB2 | 179135 | 460570 | 0.91% | 0.146% |
| 96 | 15.647 | 2250 | 2257 | 2265 | rBV | 298434 | 595759 | 1.18% | 0.188% |
| 97 | 15.818 | 2273 | 2285 | 2296 | rBV2 | 158999 | 554549 | 1.09% | 0.175% |
| 98 | 15.940 | 2300 | 2305 | 2310 | rVV | 113658 | 210154 | 0.41% | 0.066% |
| 99 | 16.019 | 2310 | 2318 | 2325 | rVB4 | 149353 | 382981 | 0.76% | 0.121% |
| 100 | 16.635 | 2410 | 2419 | 2430 | rVB | 162311 | 393629 | 0.78% | 0.125% |

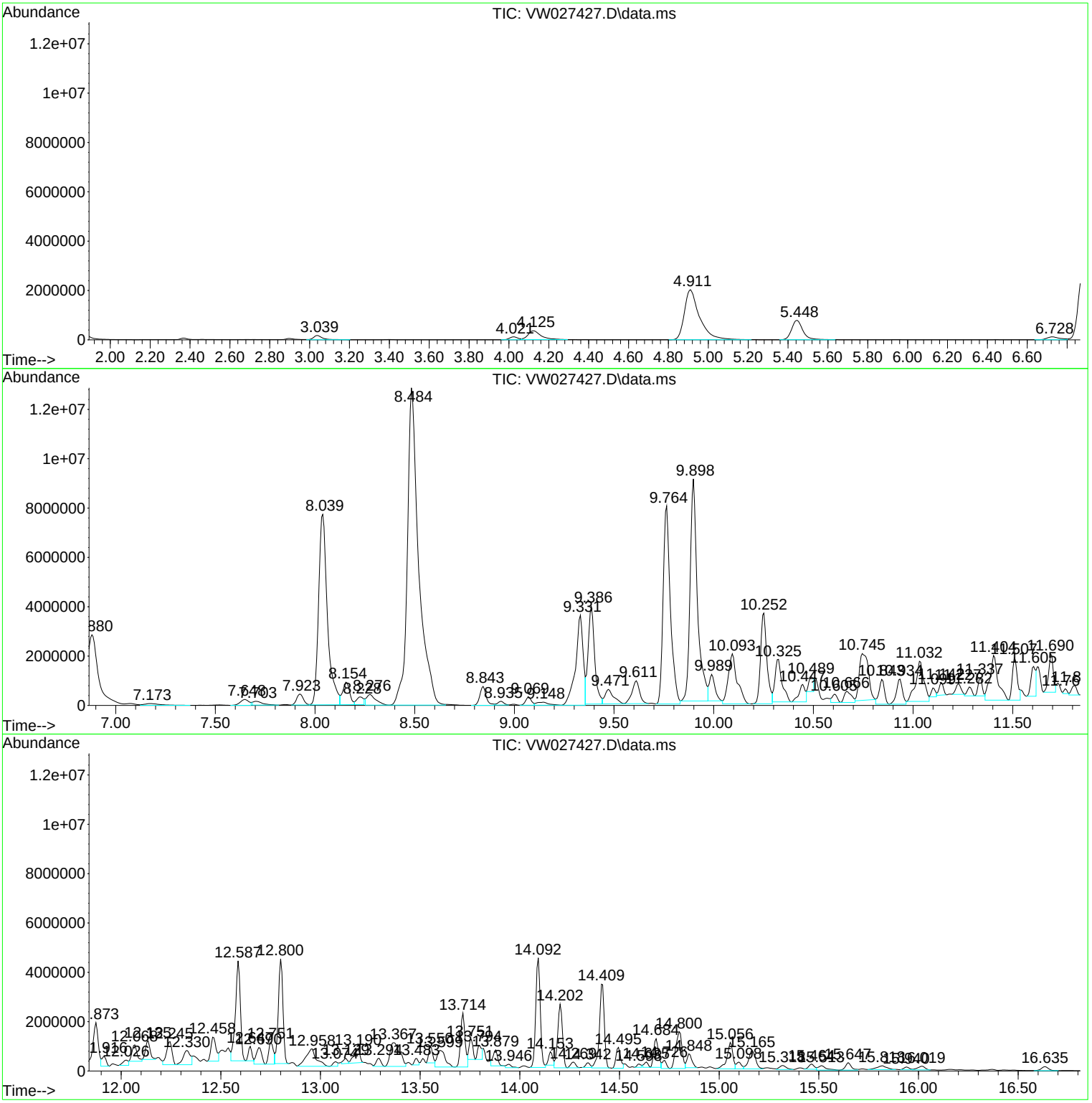
Sum of corrected areas: 316147523

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

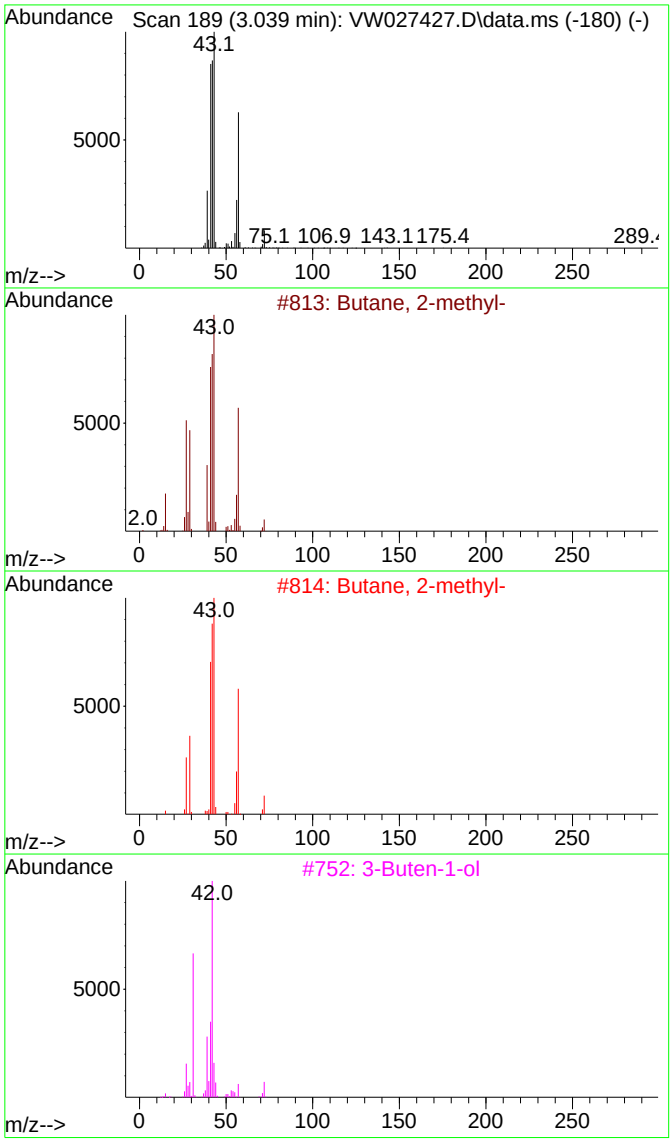
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

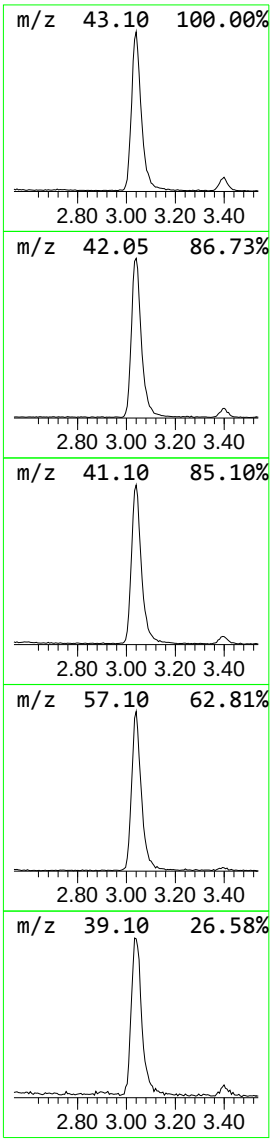
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 67

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.039 | 7.85 ug/L | 529575 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 90 |
| 2 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 86 |
| 3 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 47 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 33 |
| 5 | 1-Pentene, 4-methyl- | 84 | C6H12 | 000691-37-2 | 12 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

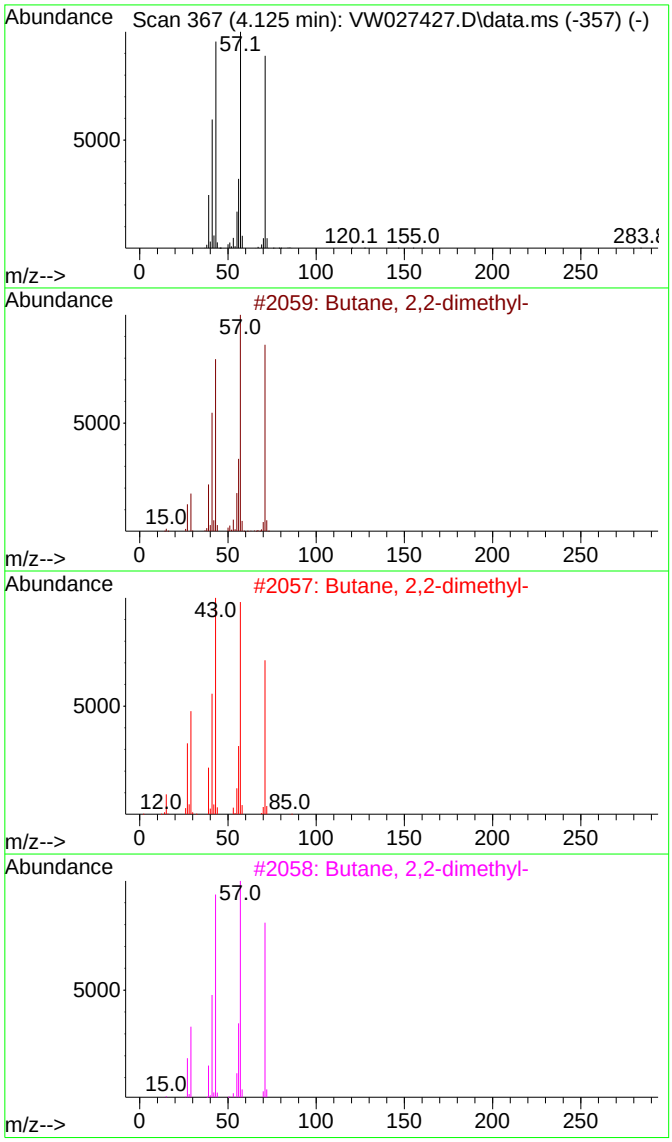
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

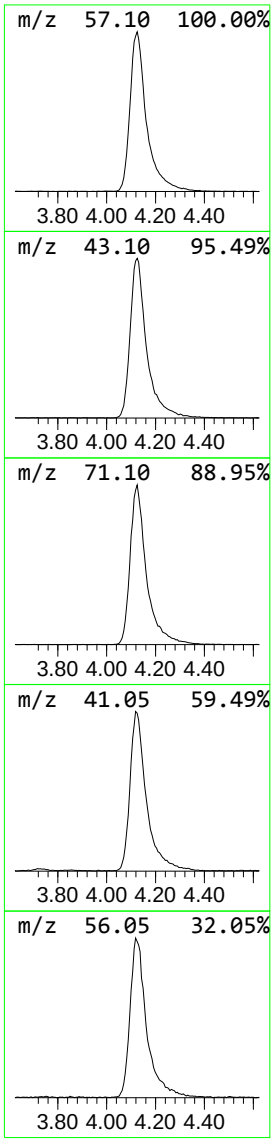
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.125 | 23.96 ug/L | 1617640 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 90 |
| 2 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 83 |
| 3 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 83 |
| 4 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 83 |
| 5 | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

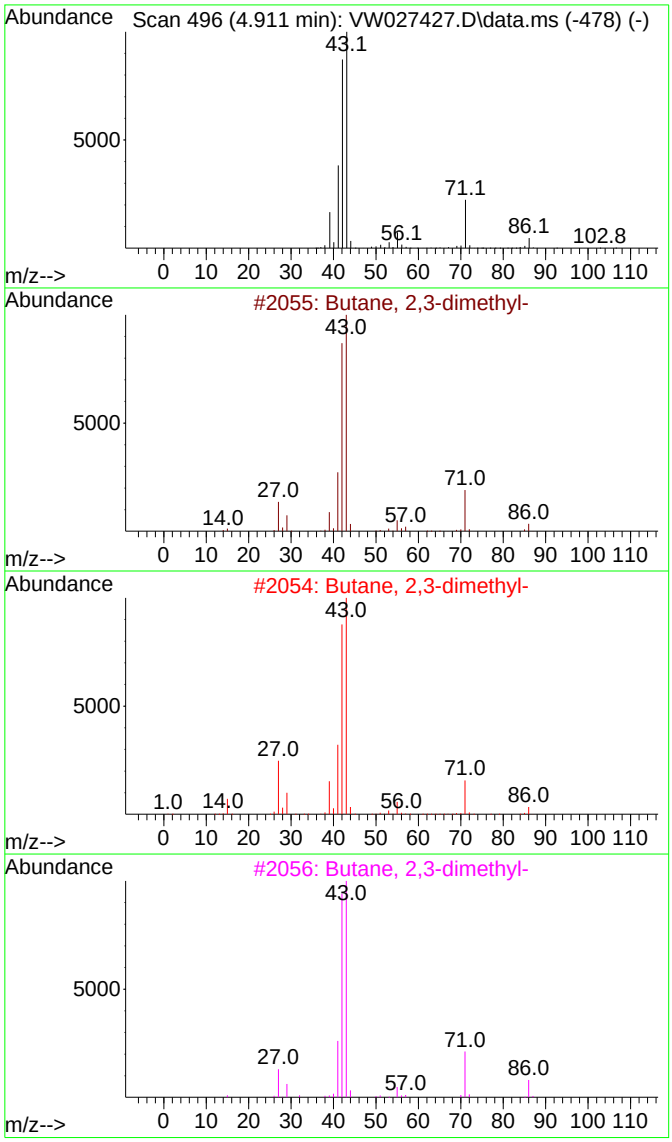
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

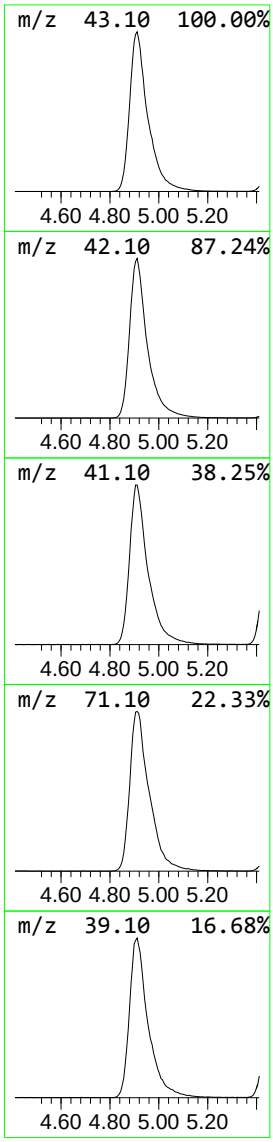
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.911 | 158.21 ug/L | 10679500 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 91 |
| 2 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 91 |
| 3 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 86 |
| 4 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 50 |
| 5 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

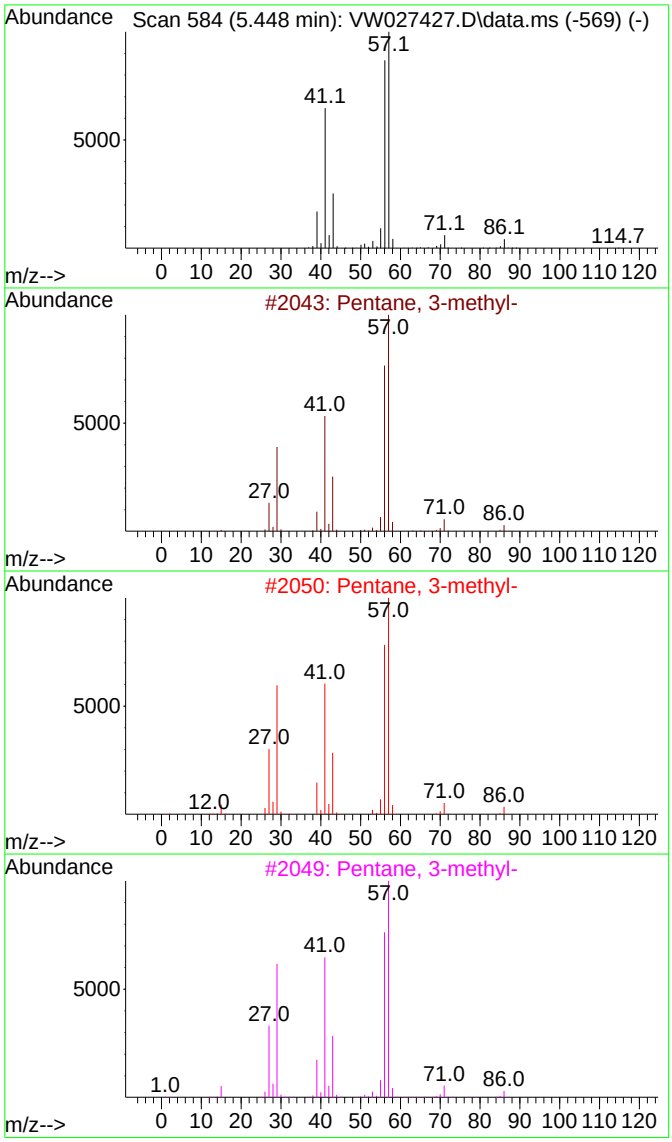
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

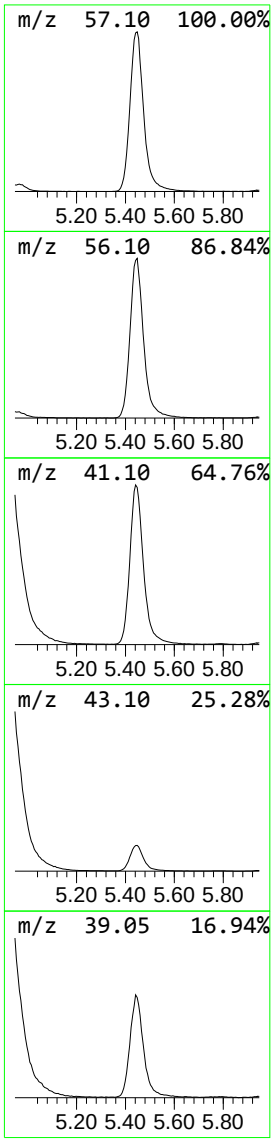
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.448 | 45.08 ug/L | 3042960 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 3 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 4 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 64 |
| 5 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

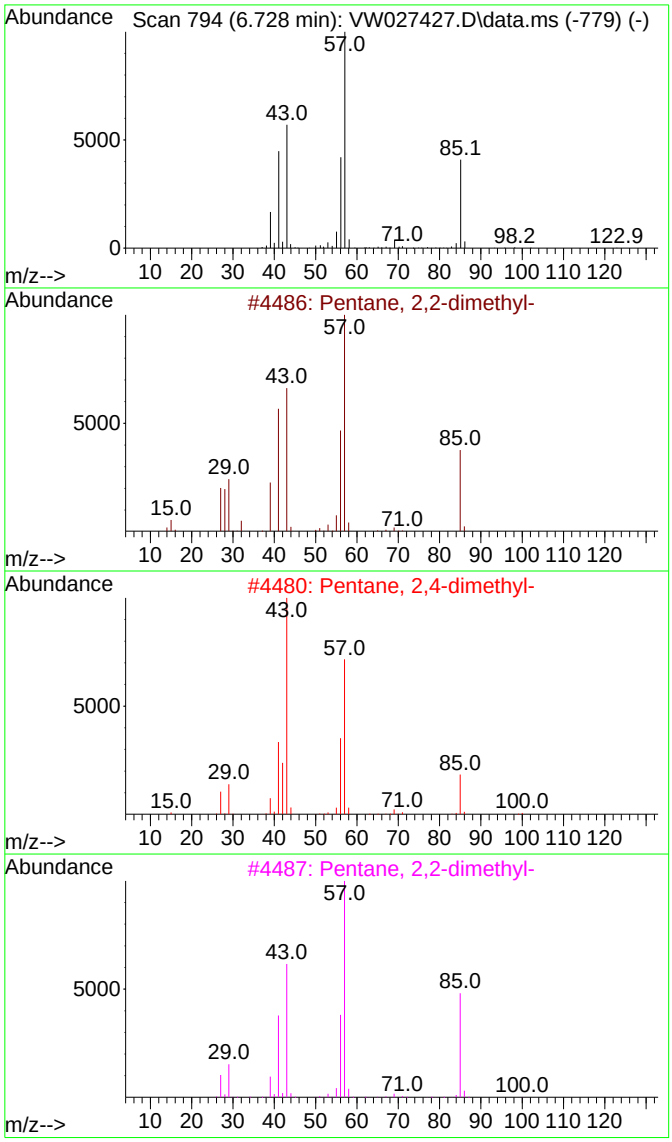
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

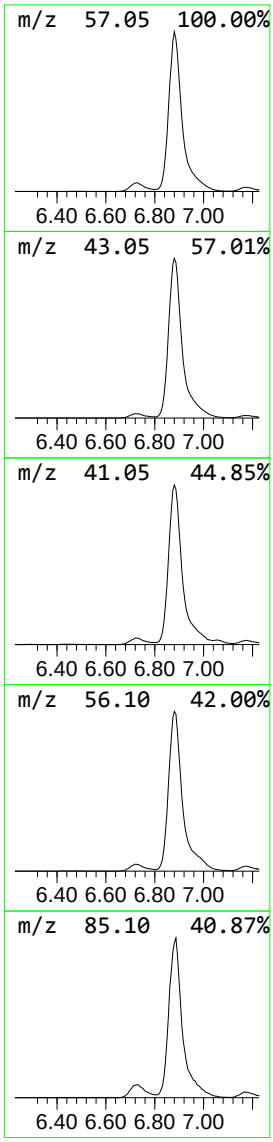
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 66

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.728 | 7.91 ug/L | 534204 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 83 |
| 2 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 83 |
| 3 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 83 |
| 4 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 83 |
| 5 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

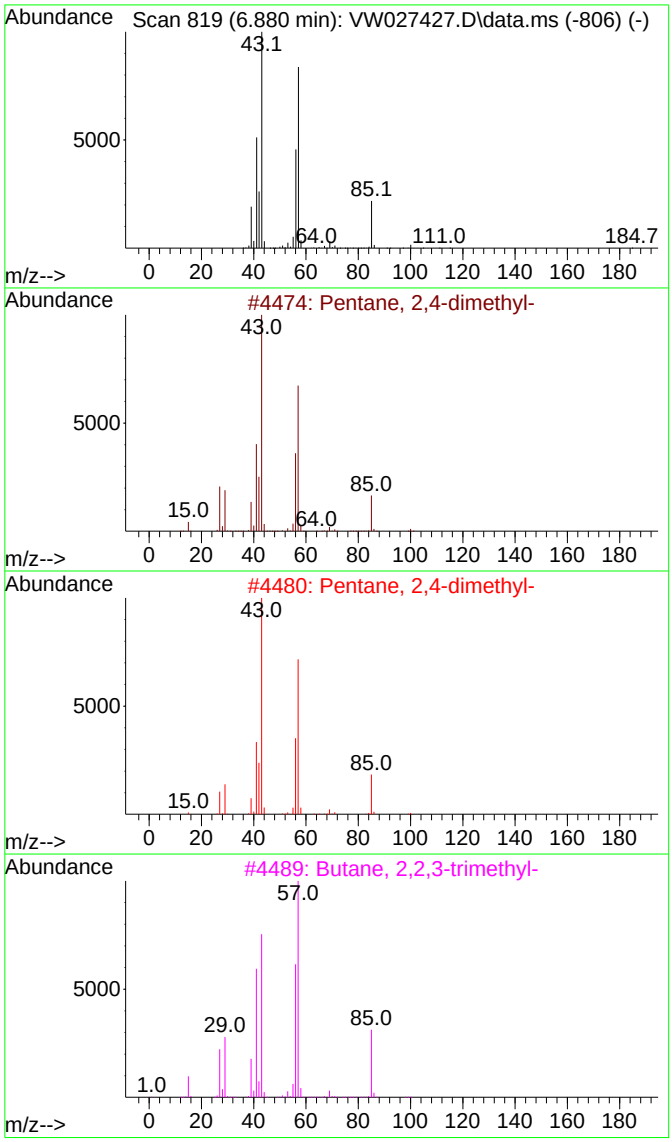
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

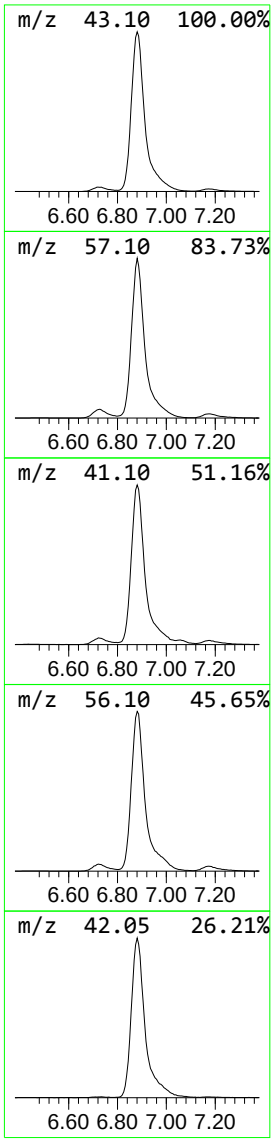
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.880 | 162.34 ug/L | 10958200 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 91 |
| 2 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 83 |
| 3 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 64 |
| 4 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 64 |
| 5 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

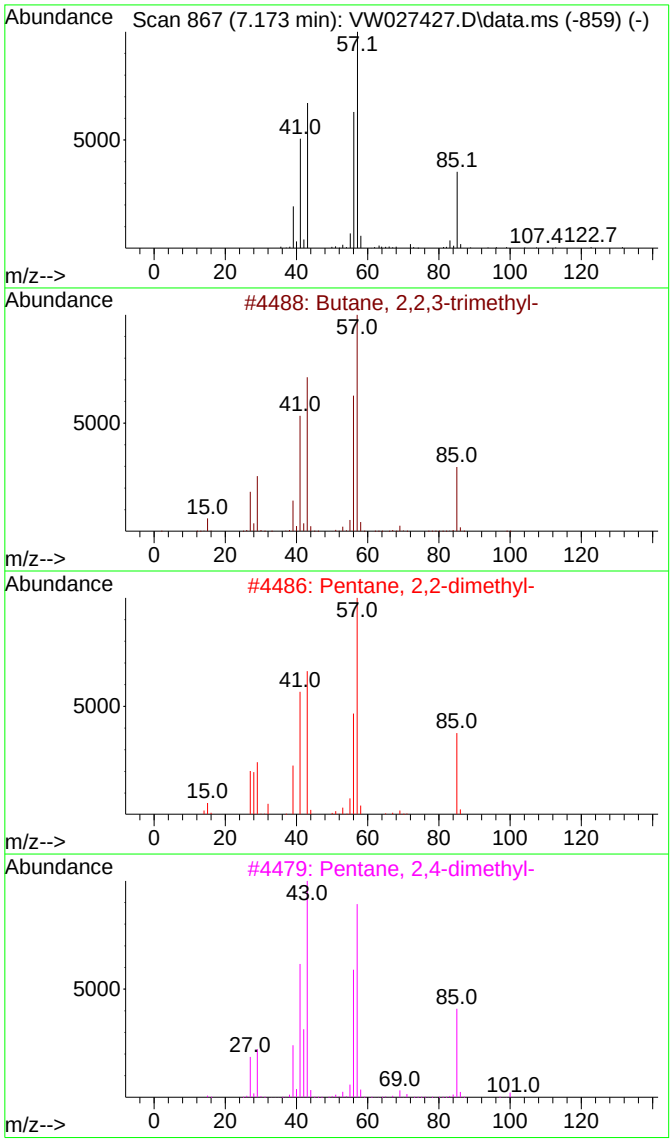
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

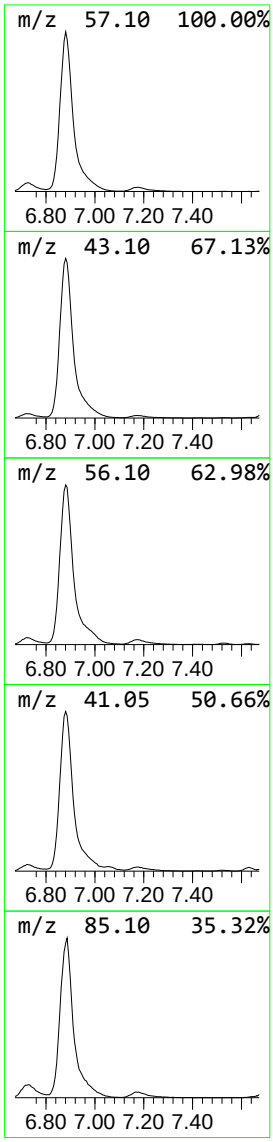
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 76

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.173 | 5.67 ug/L | 382474 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 72 |
| 2 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 72 |
| 3 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 64 |
| 4 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 64 |
| 5 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

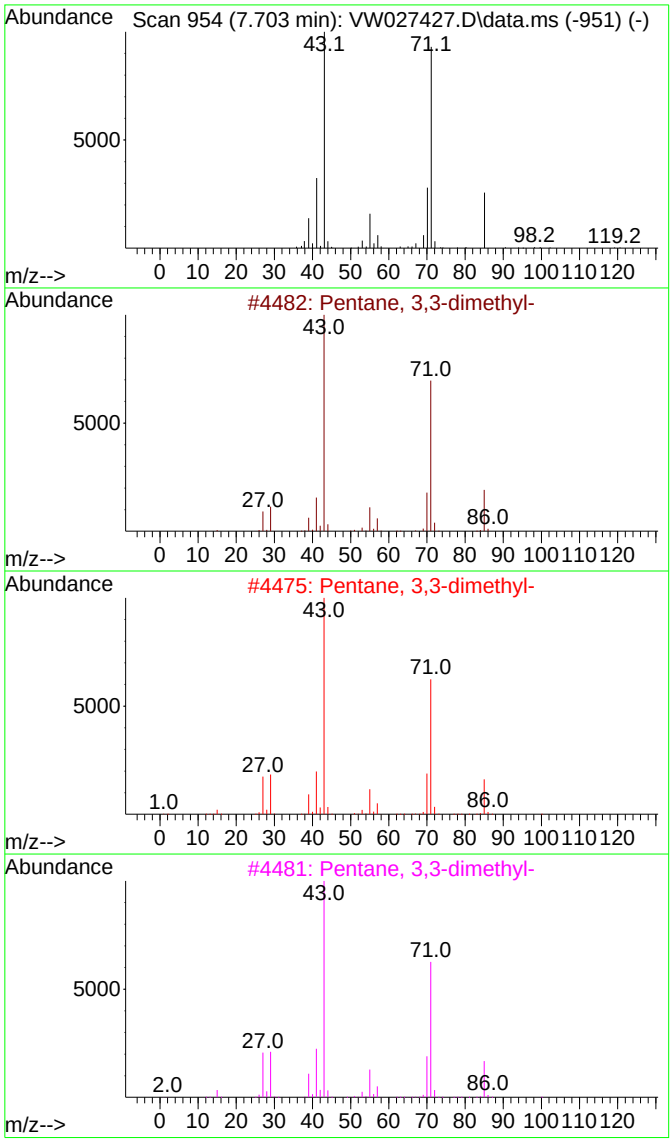
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

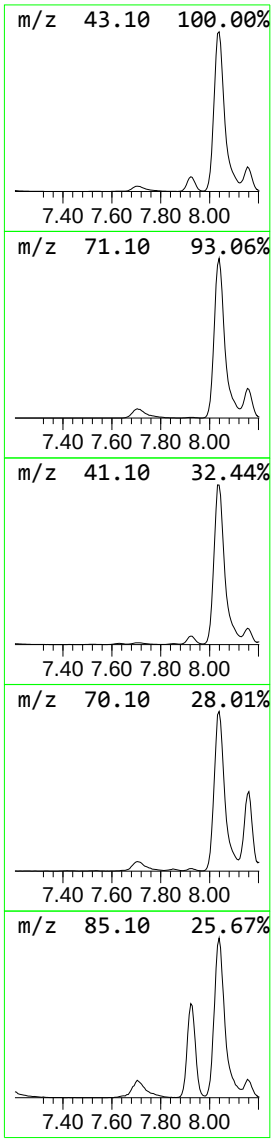
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 70

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.703 | 7.09 ug/L | 478528 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3,3-dimethyl- | 100 | C7H16 | 000562-49-2 | 64 |
| 2 | Pentane, 3,3-dimethyl- | 100 | C7H16 | 000562-49-2 | 64 |
| 3 | Pentane, 3,3-dimethyl- | 100 | C7H16 | 000562-49-2 | 50 |
| 4 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 39 |
| 5 | 1-Methylpentyl isobutyrate | 172 | C10H20O2 | 1000429-31-7 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

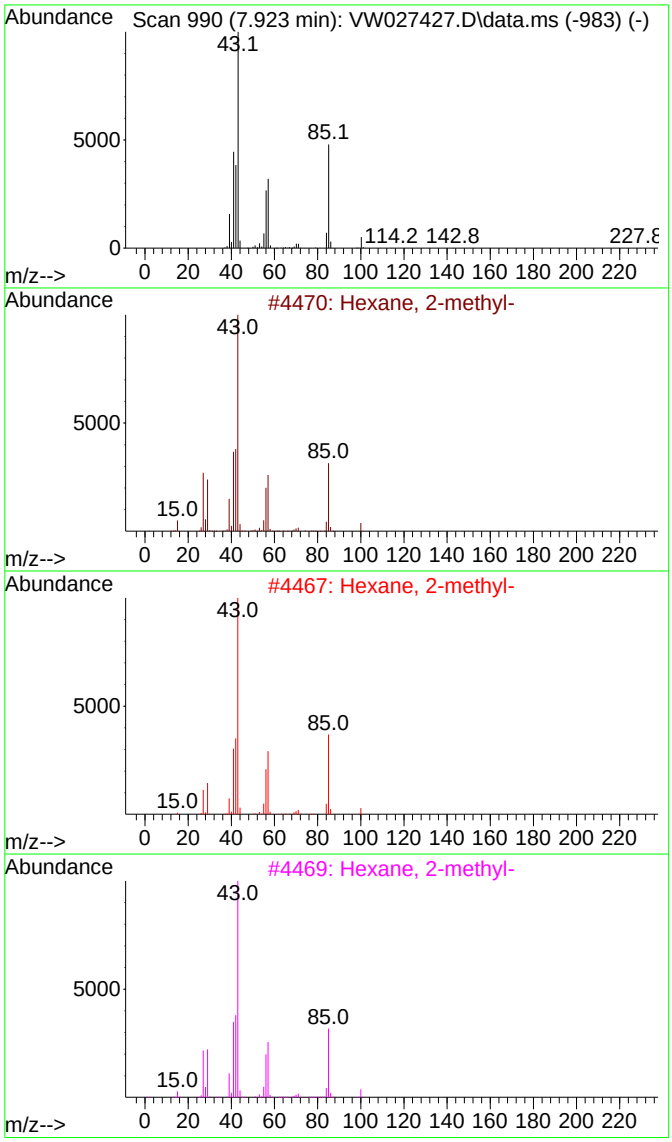
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

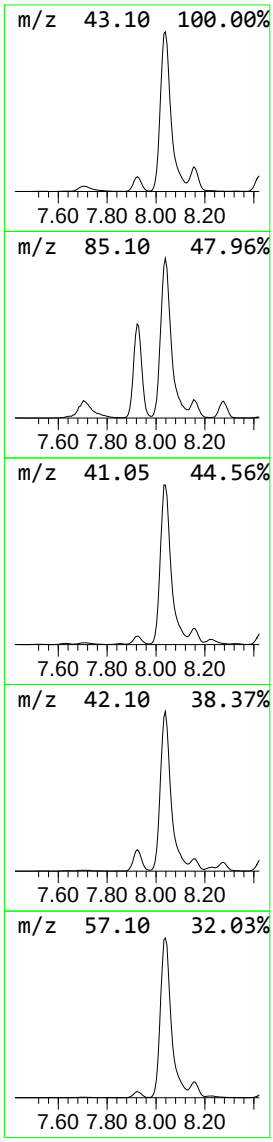
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.923 | 15.38 ug/L | 1038200 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2-methyl- | 100 | C7H16 | 000591-76-4 | 91 |
| 2 | Hexane, 2-methyl- | 100 | C7H16 | 000591-76-4 | 91 |
| 3 | Hexane, 2-methyl- | 100 | C7H16 | 000591-76-4 | 87 |
| 4 | Octane | 114 | C8H18 | 000111-65-9 | 53 |
| 5 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

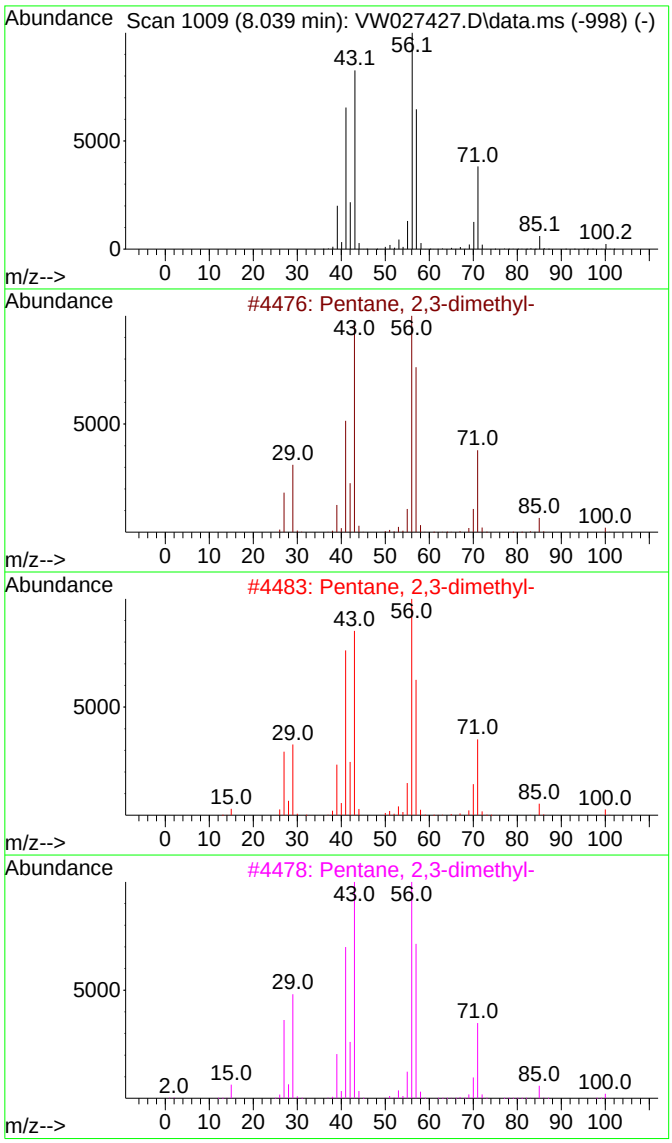
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

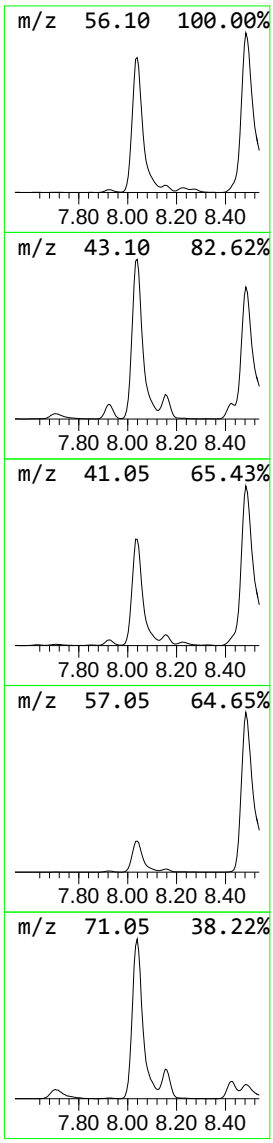
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.039 | 351.74 ug/L | 23742800 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 95 |
| 2 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 95 |
| 3 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 4 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 5 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

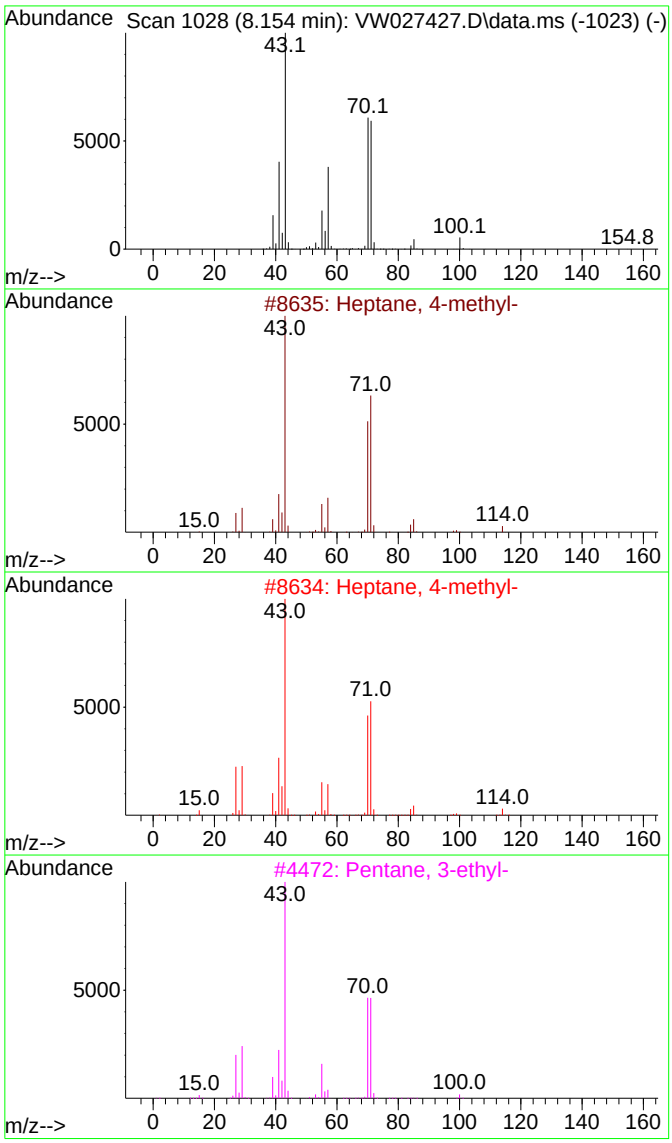
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

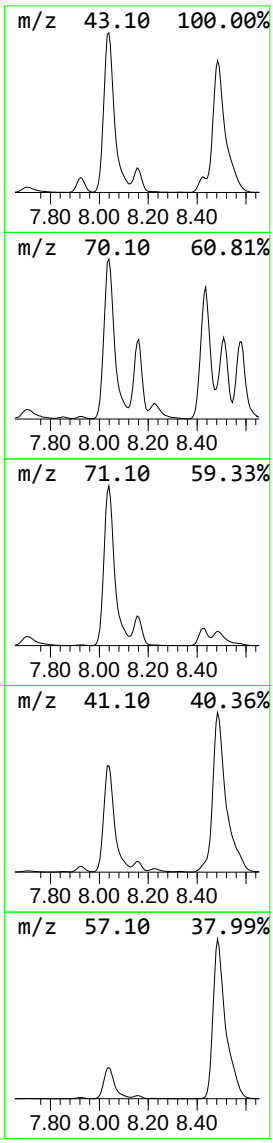
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.154 | 33.20 ug/L | 2241030 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 83 |
| 2 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 78 |
| 3 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 78 |
| 4 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 78 |
| 5 | Diisoamyl ether | 158 | C10H22O | 000544-01-4 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

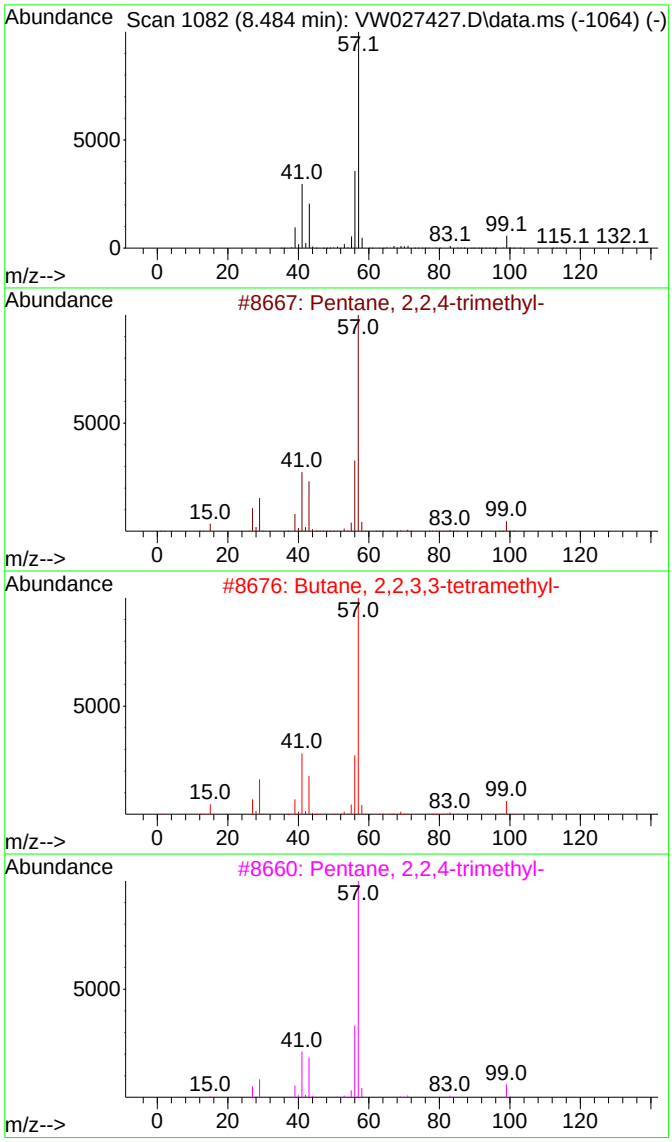
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

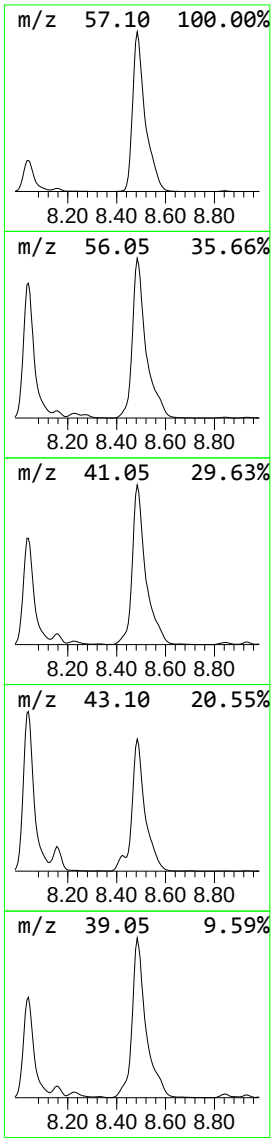
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.484 | 750.70 ug/L | 50672700 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 83 |
| 2 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 83 |
| 3 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 83 |
| 4 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 78 |
| 5 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

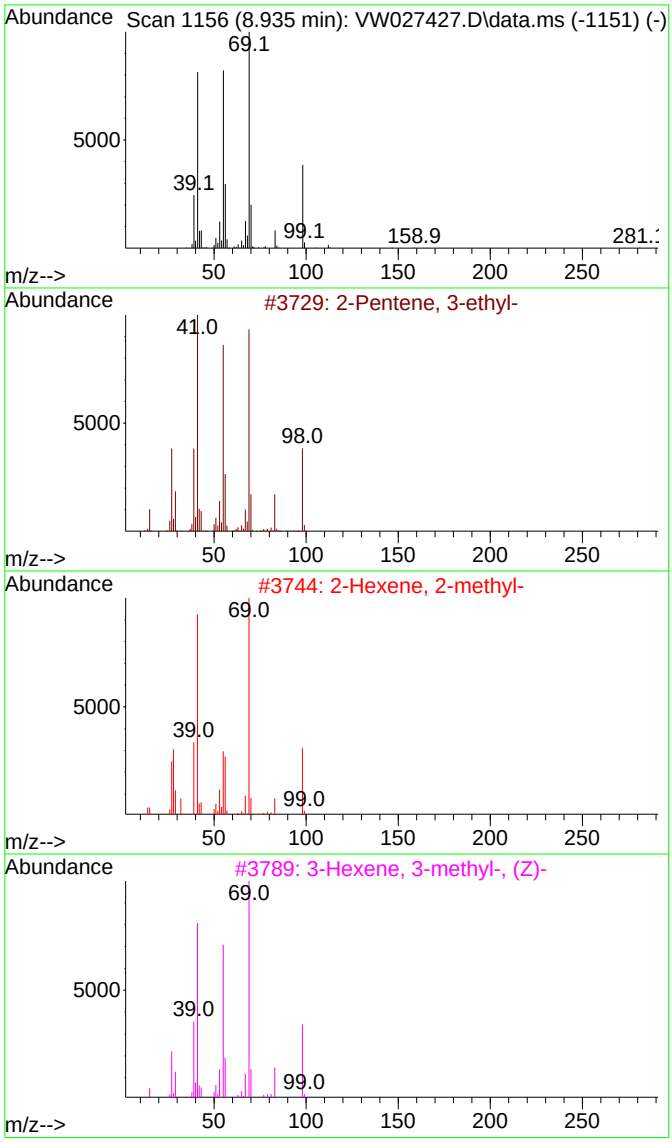
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

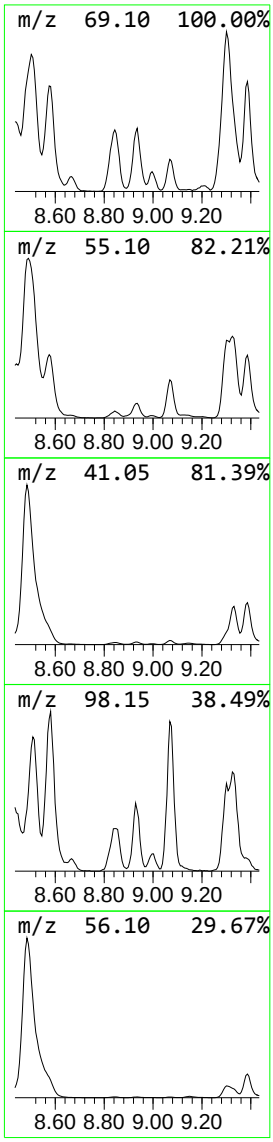
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 79

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.935 | 4.49 ug/L | 303071 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentene, 3-ethyl- | 98 | C7H14 | 000816-79-5 | 91 |
| 2 | 2-Hexene, 2-methyl- | 98 | C7H14 | 002738-19-4 | 87 |
| 3 | 3-Hexene, 3-methyl-, (Z)- | 98 | C7H14 | 004914-89-0 | 83 |
| 4 | 3-Methyl-3-hexene | 98 | C7H14 | 003404-65-7 | 80 |
| 5 | 3-Hexene, 3-methyl-, (E)- | 98 | C7H14 | 003899-36-3 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

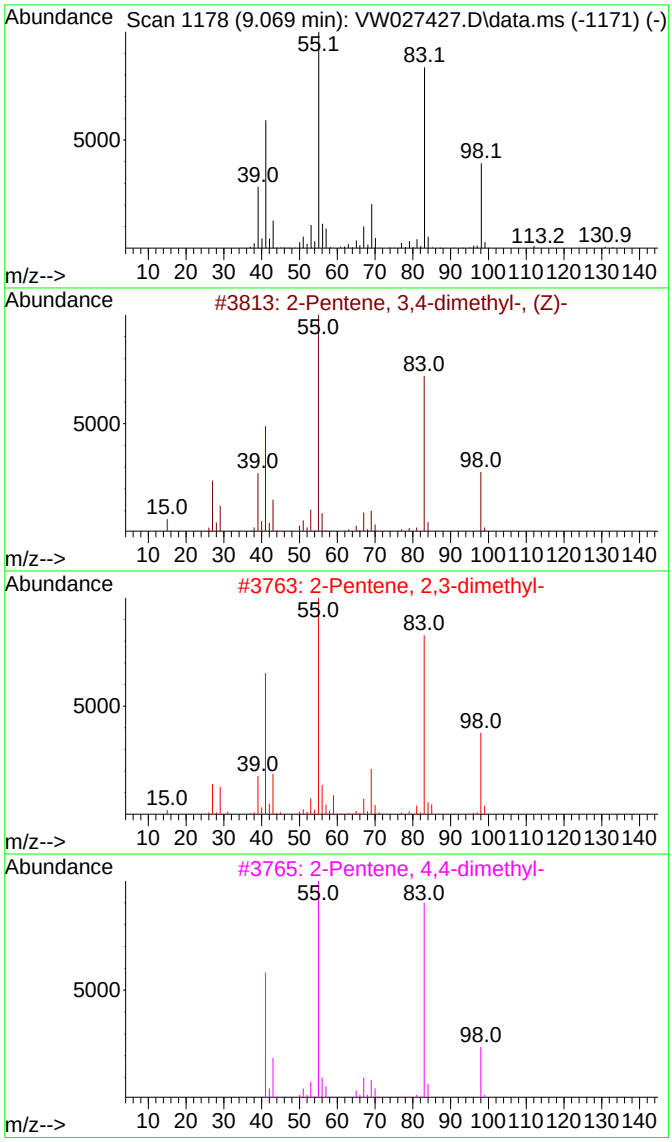
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

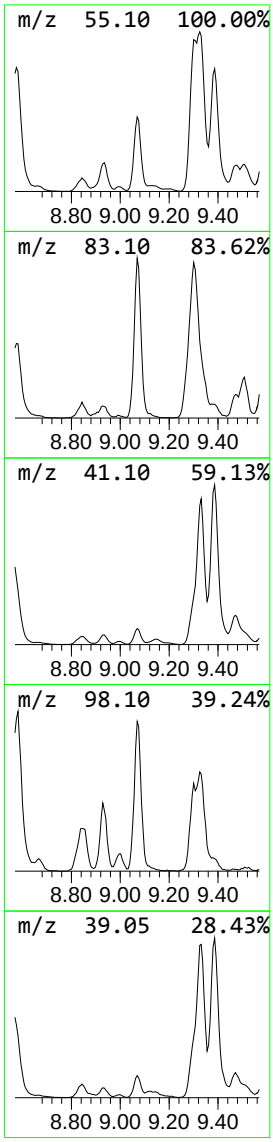
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 59

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.069 | 9.87 ug/L | 665907 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 93 |
| 2 | 2-Pentene, 2,3-dimethyl- | 98 | C7H14 | 010574-37-5 | 91 |
| 3 | 2-Pentene, 4,4-dimethyl- | 98 | C7H14 | 026232-98-4 | 91 |
| 4 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 90 |
| 5 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

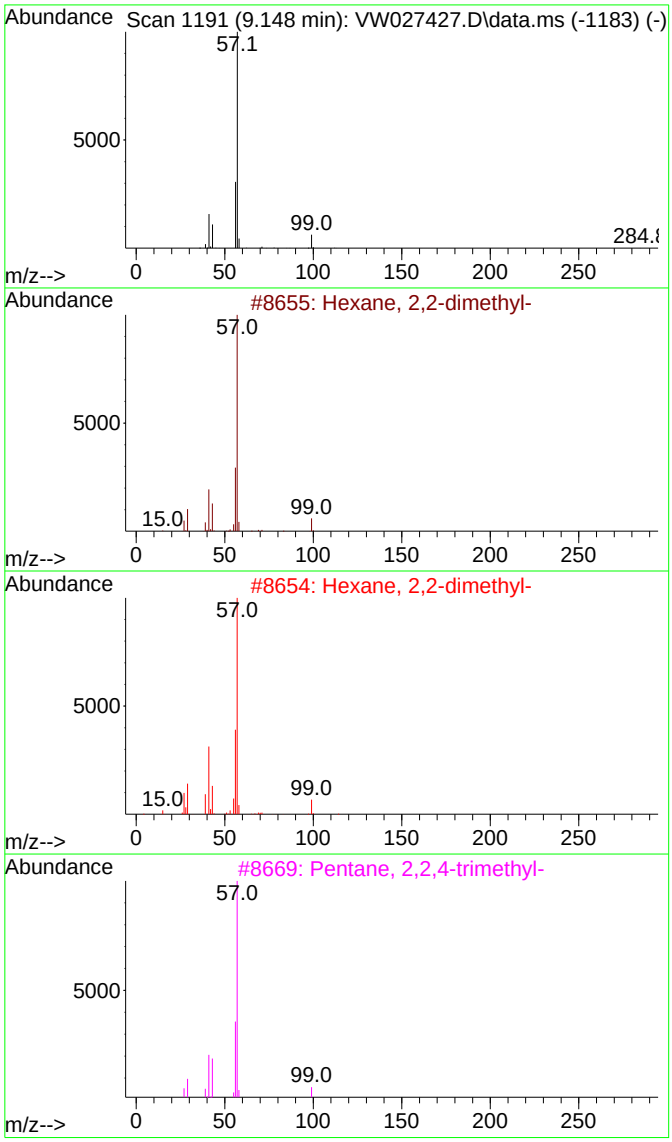
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

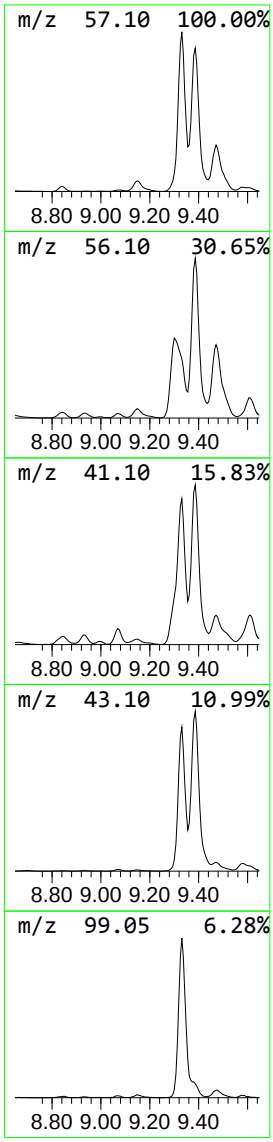
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 69

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.148 | 7.32 ug/L | 494130 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 50 |
| 2 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 39 |
| 3 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 9 |
| 4 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 9 |
| 5 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

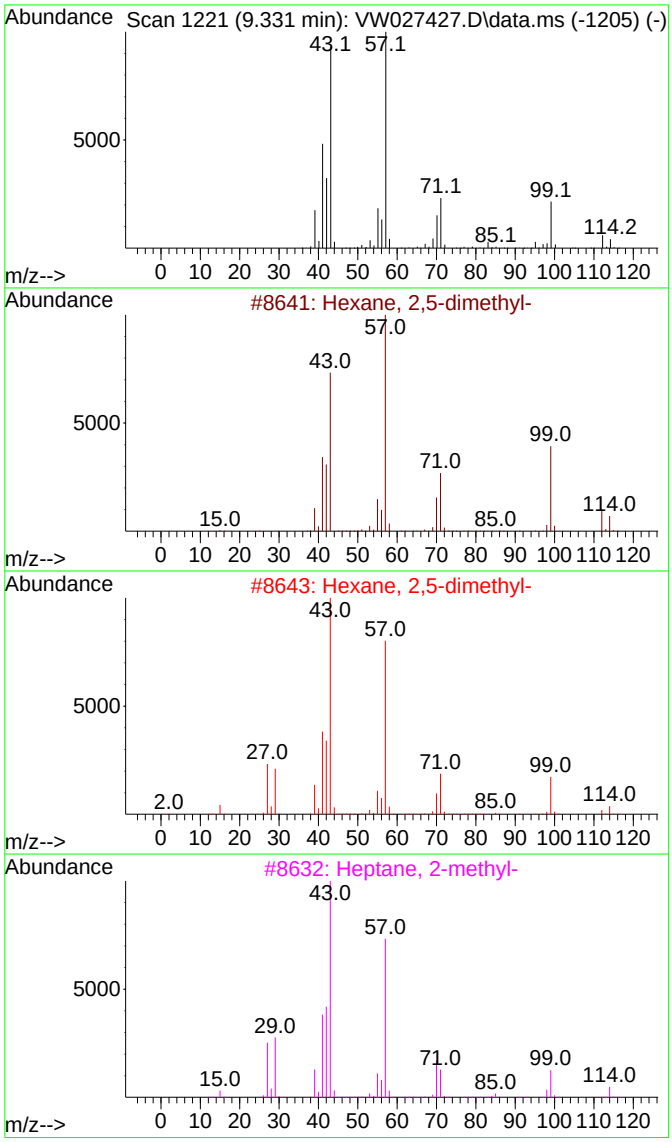
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

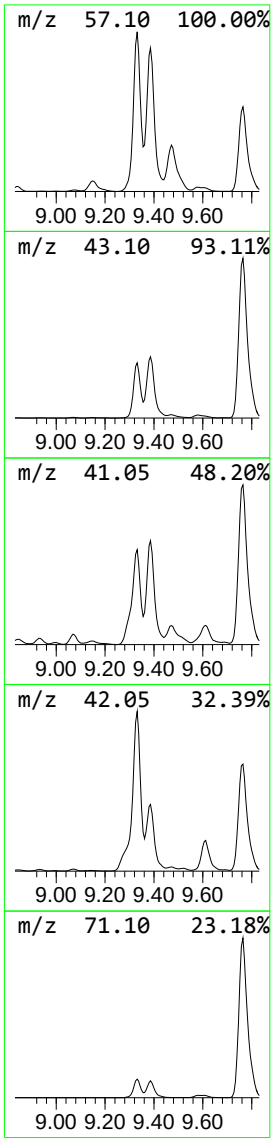
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.331 | 143.78 ug/L | 9705480 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 94 |
| 2 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 91 |
| 3 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 80 |
| 4 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 80 |
| 5 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

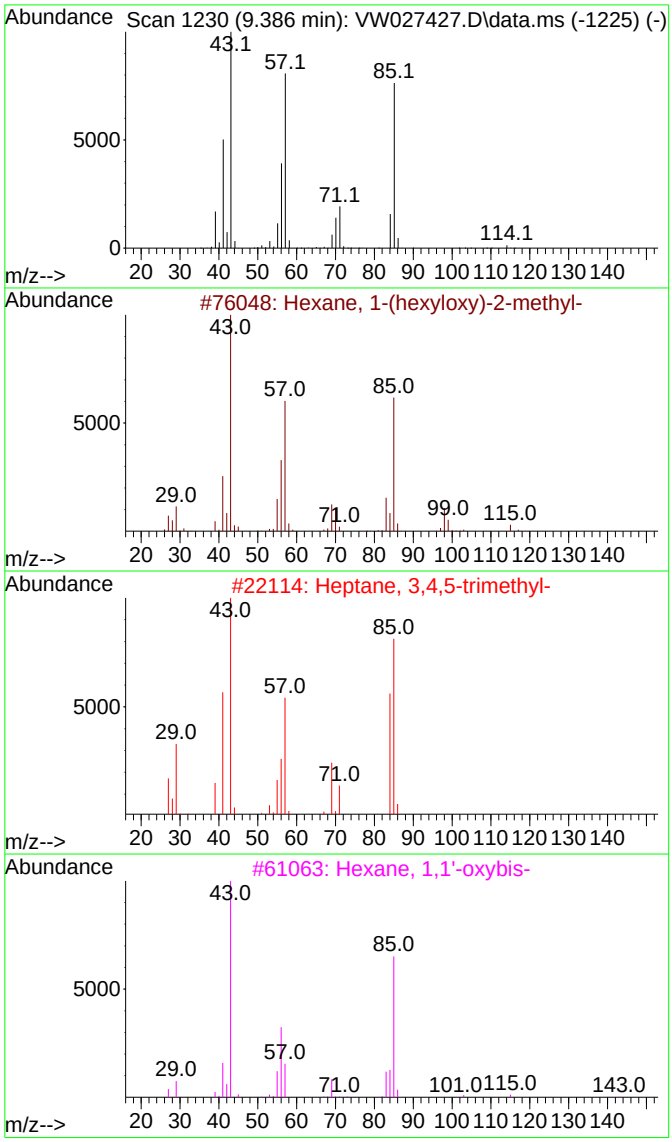
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

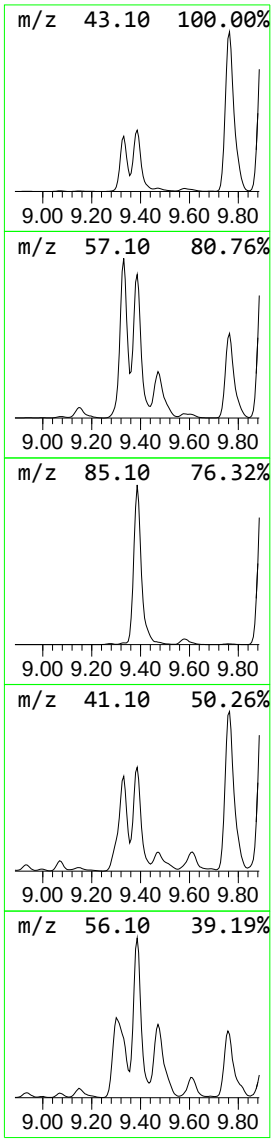
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Hexane, 1-(hexyloxy)-2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.386 | 132.12 ug/L | 8918440 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 1-(hexyloxy)-2-methyl- | 200 | C13H28O | 074421-17-3 | 72 |
| 2 | Heptane, 3,4,5-trimethyl- | 142 | C10H22 | 020278-89-1 | 72 |
| 3 | Hexane, 1,1'-oxybis- | 186 | C12H26O | 000112-58-3 | 59 |
| 4 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 53 |
| 5 | 2H-Pyran-2-ol, tetrahydro- | 102 | C5H10O2 | 000694-54-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

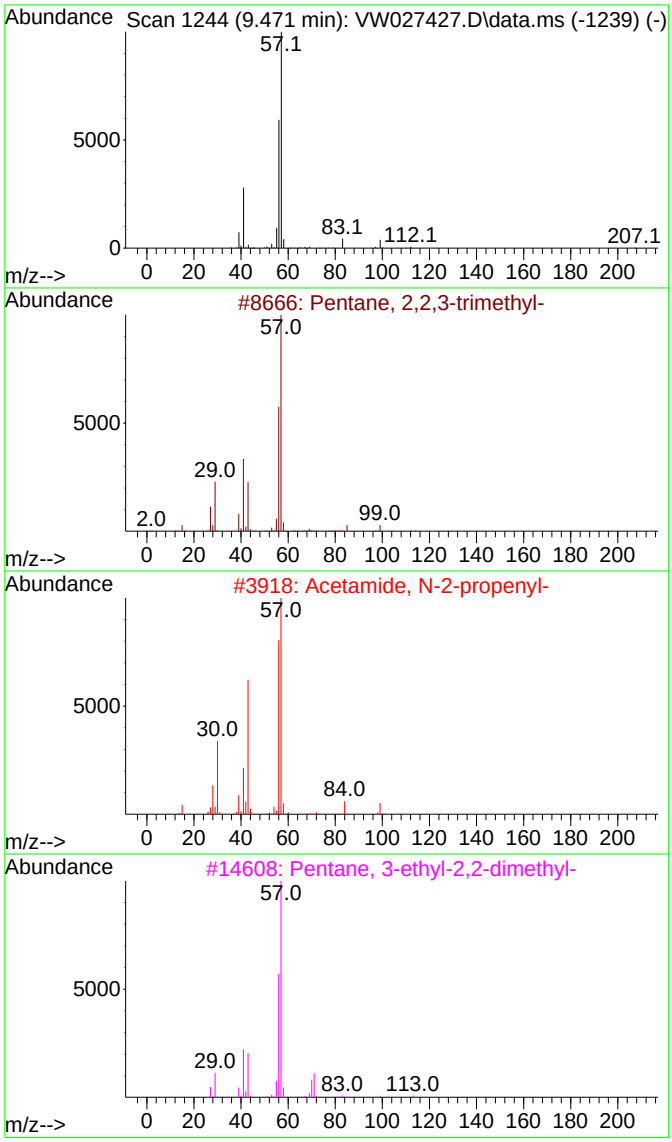
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

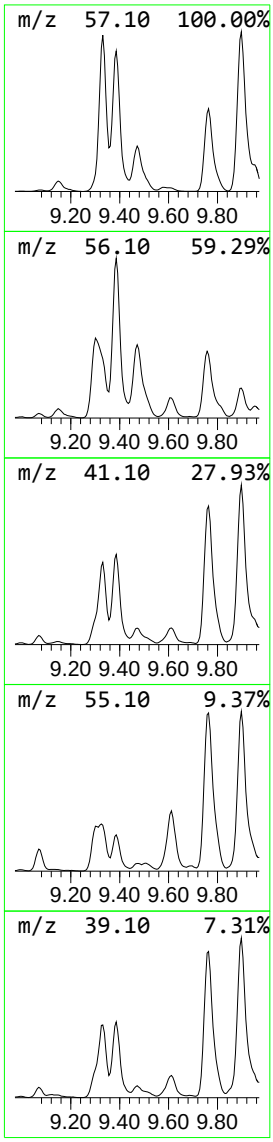
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.471 | 25.92 ug/L | 1749890 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,2,3-trimethyl- | 114 | C8H18 | 000564-02-3 | 56 |
| 2 | Acetamide, N-2-propenyl- | 99 | C5H9NO | 000692-33-1 | 50 |
| 3 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 50 |
| 4 | Cyclobutane, 1,2,3,4-tetramethyl- | 112 | C8H16 | 069531-57-3 | 50 |
| 5 | Decane, 2,2,8-trimethyl- | 184 | C13H28 | 062238-01-1 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

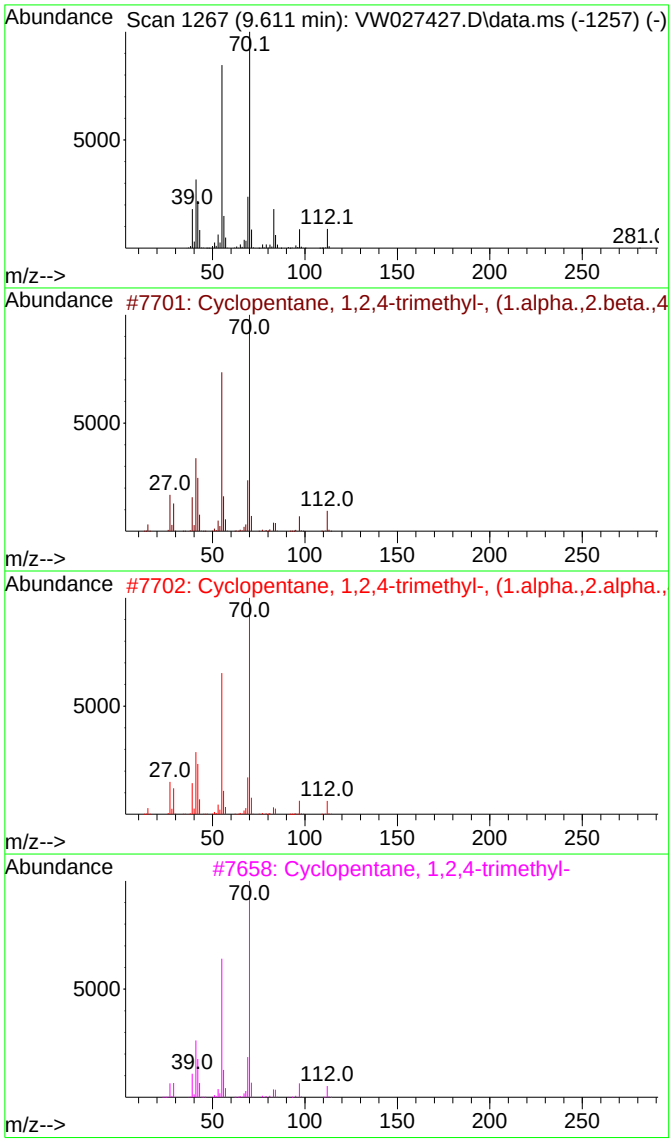
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

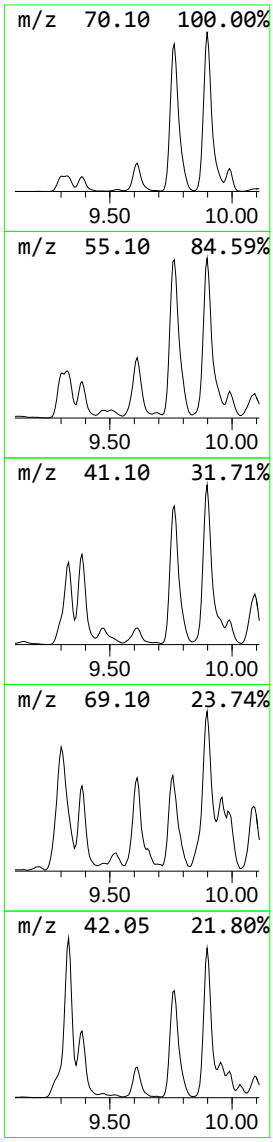
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 (DEL) Alkane: Cyclic9.611 Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.611 | 36.30 ug/L | 2450450 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 016883-48-0 | 93 |
| 2 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 90 |
| 3 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 90 |
| 4 | Hexane, 2-methyl-4-methylene- | 112 | C8H16 | 003404-80-6 | 90 |
| 5 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

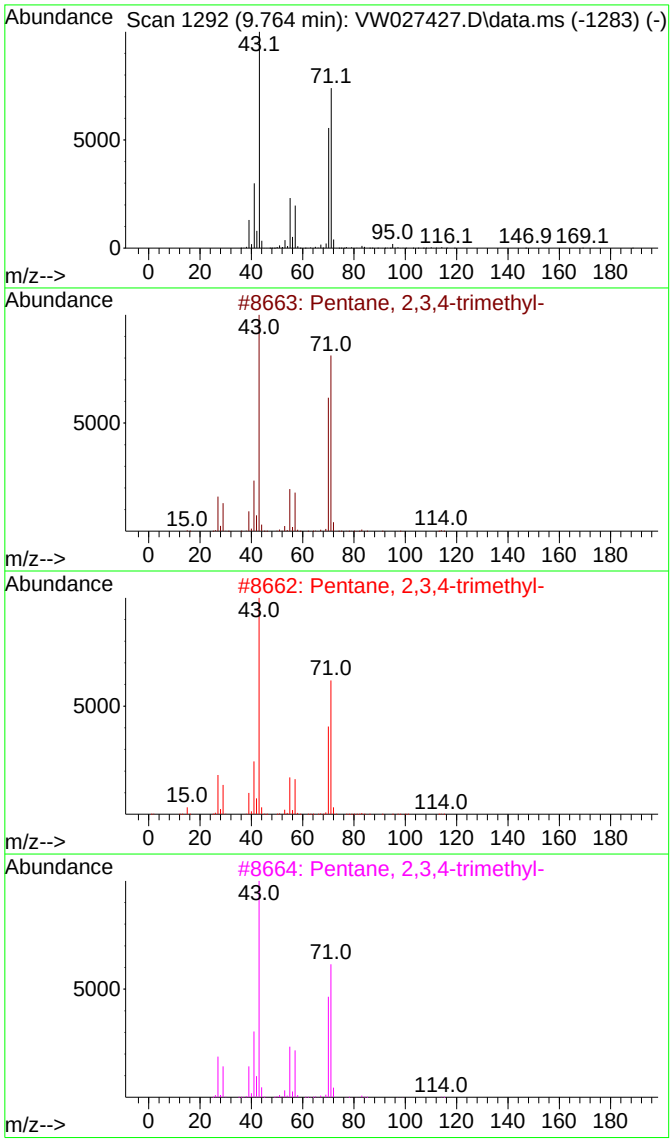
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

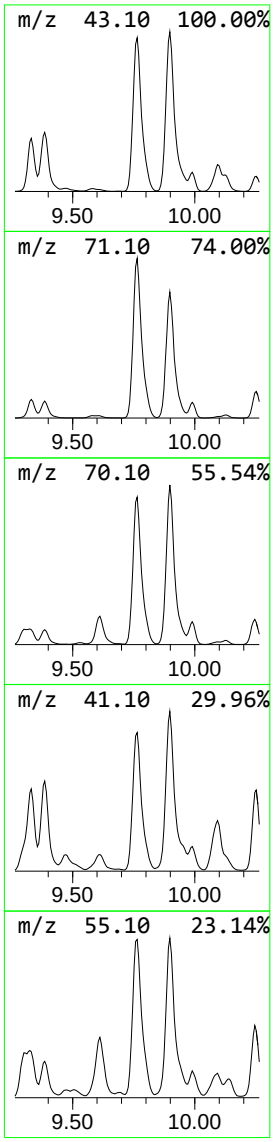
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.764 | 301.30 ug/L | 20337900 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 91 |
| 2 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 91 |
| 3 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 91 |
| 4 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 83 |
| 5 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

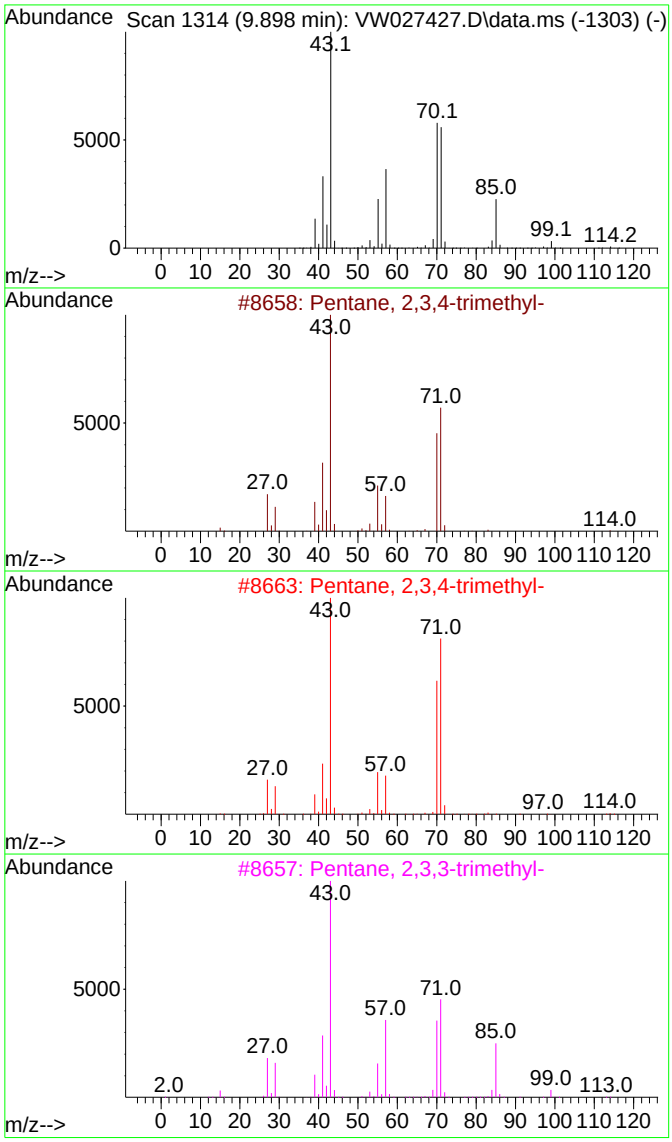
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

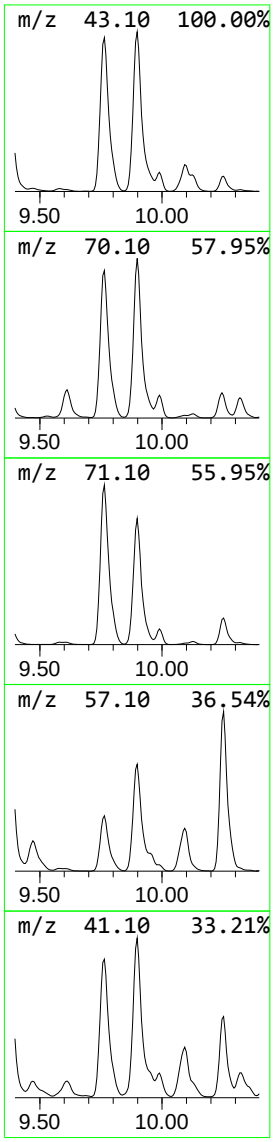
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.898 | 344.12 ug/L | 23228300 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 81 |
| 2 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 72 |
| 3 | Pentane, 2,3,3-trimethyl- | 114 | C8H18 | 000560-21-4 | 72 |
| 4 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 64 |
| 5 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

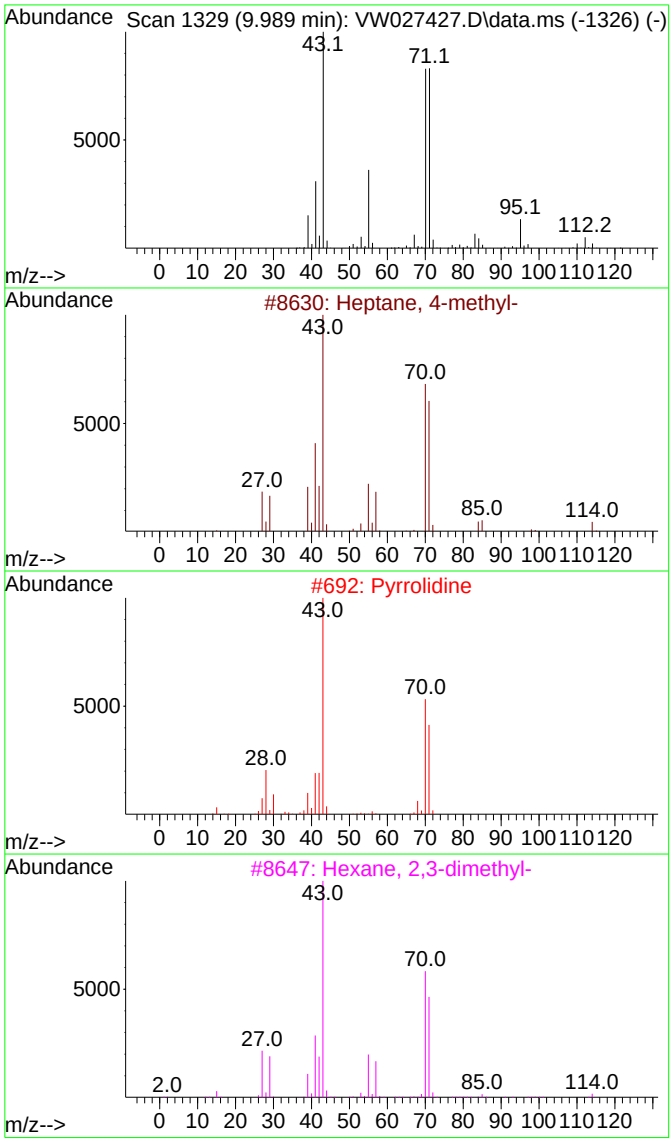
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

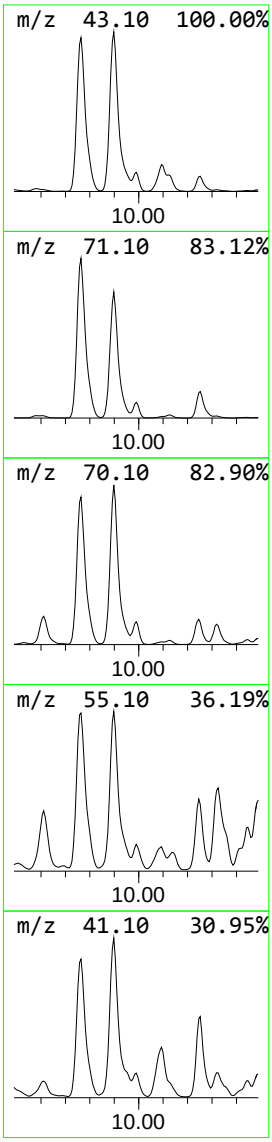
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.989 | 30.09 ug/L | 2030910 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 78 |
| 2 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 72 |
| 3 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 72 |
| 4 | 3,4-Diethyl hexane | 142 | C10H22 | 019398-77-7 | 64 |
| 5 | Heptane, 3-ethyl-4-methyl- | 142 | C10H22 | 052896-91-0 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

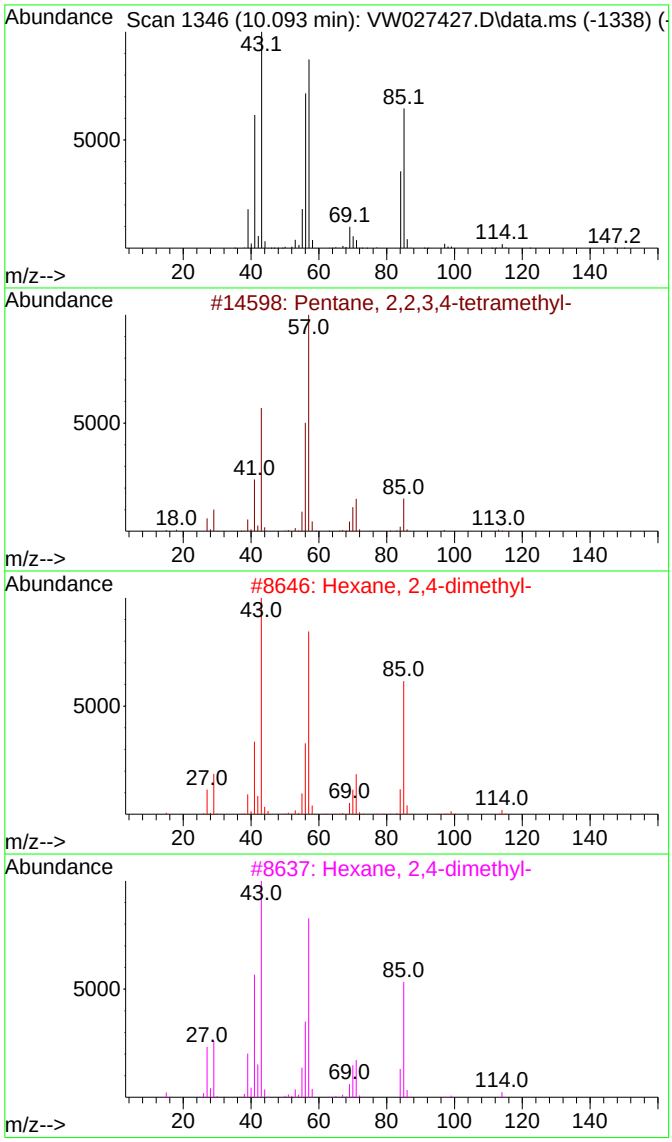
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

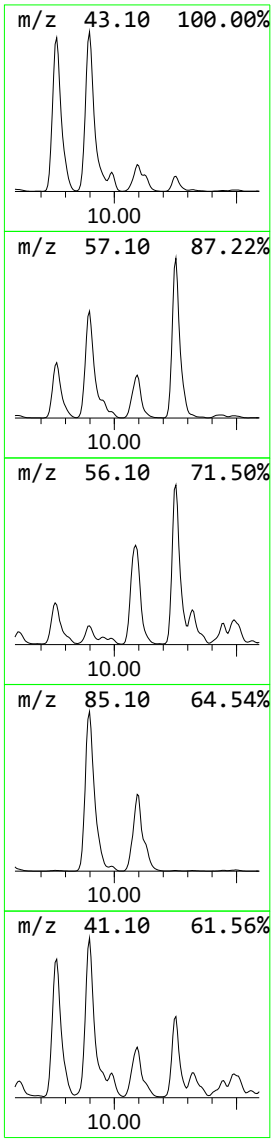
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.093 | 92.91 ug/L | 6271810 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 72 |
| 2 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 64 |
| 3 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 59 |
| 4 | Heptane, 3,4,5-trimethyl- | 142 | C10H22 | 020278-89-1 | 59 |
| 5 | Nonane, 5-methyl- | 142 | C10H22 | 015869-85-9 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

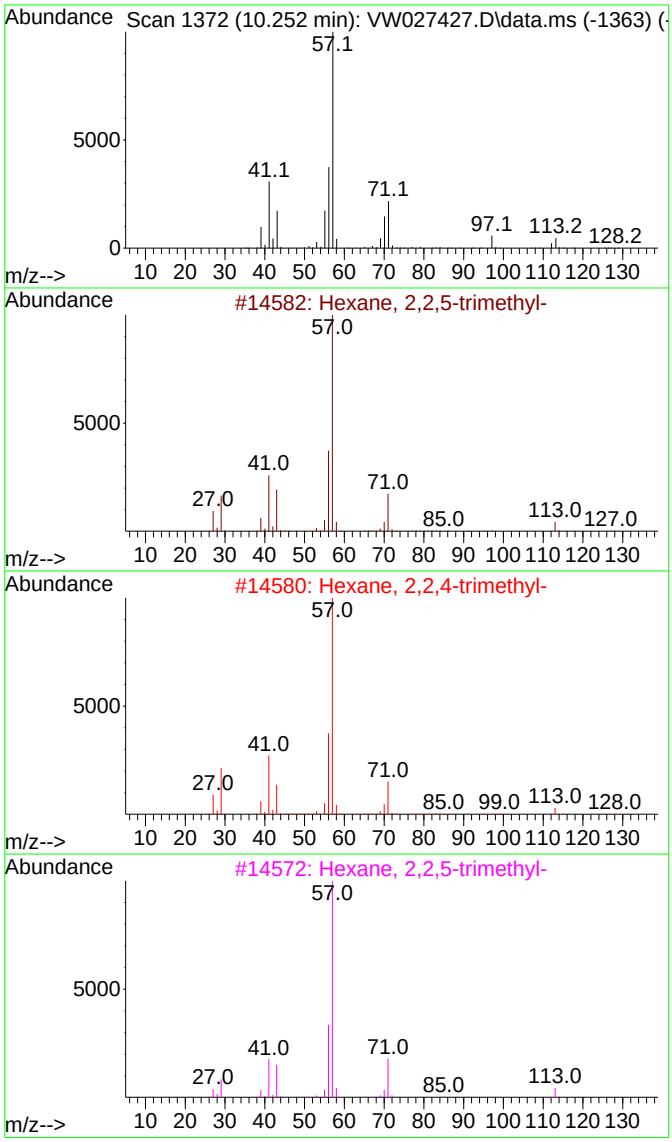
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

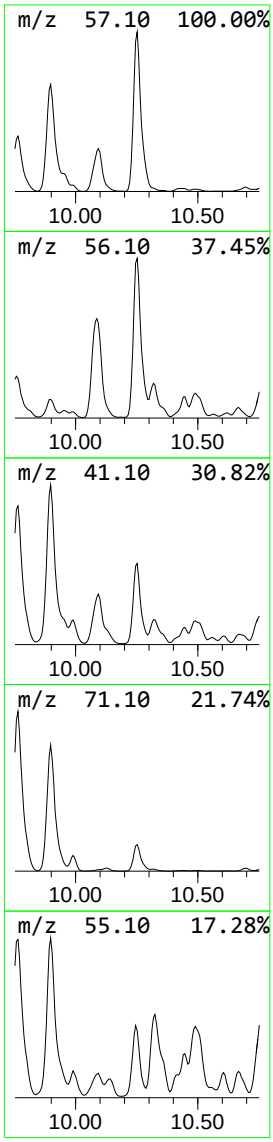
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.252 | 95.16 ug/L | 8123670 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 64 |
| 2 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 64 |
| 3 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 59 |
| 4 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 53 |
| 5 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

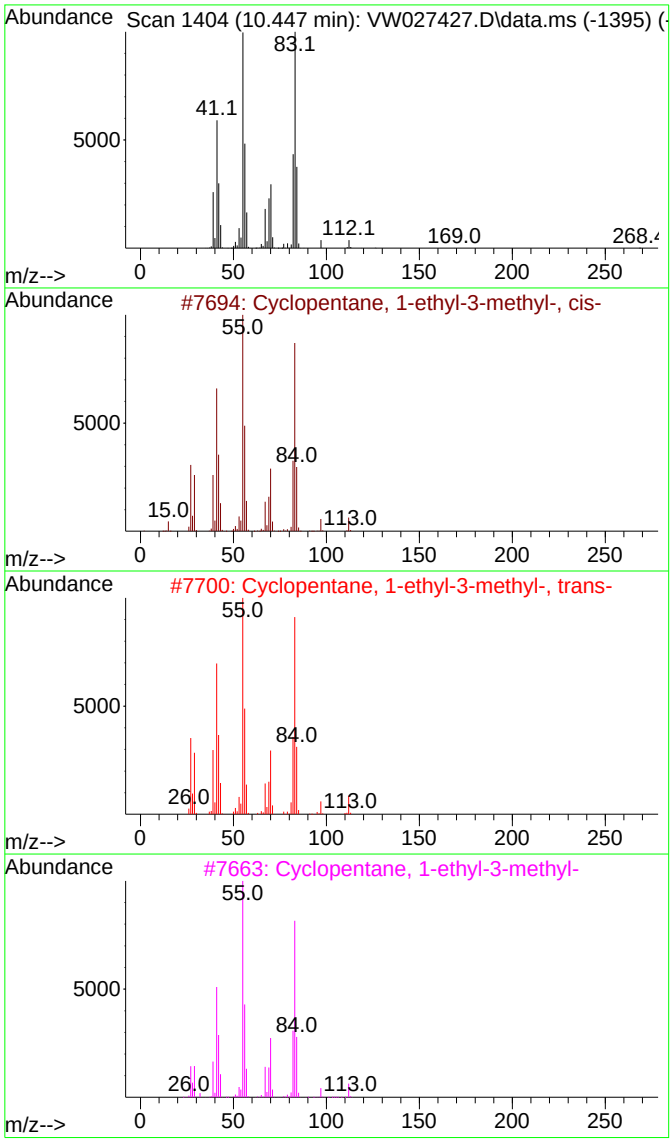
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

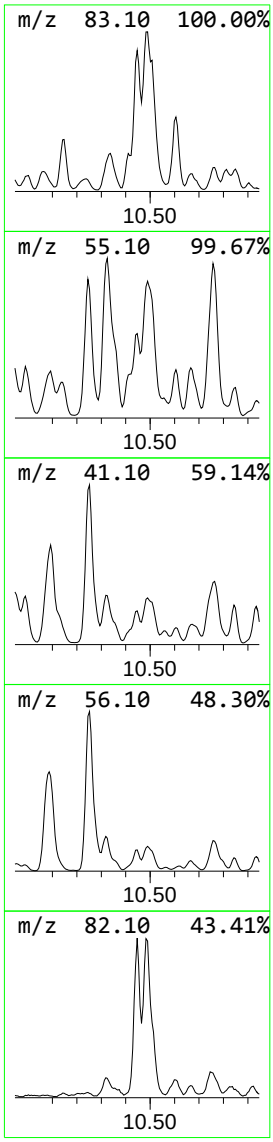
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 (DEL) Alkane: Cyclic10.447 Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.447 | 18.66 ug/L | 1593060 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16 | 002613-66-3 | 94 |
| 2 | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16 | 002613-65-2 | 90 |
| 3 | Cyclopentane, 1-ethyl-3-methyl- | 112 | C8H16 | 003726-47-4 | 83 |
| 4 | 3-Ethylcyclopentanone | 112 | C7H12O | 010264-55-8 | 53 |
| 5 | Cyclopentane, 1-ethyl-1-methyl- | 112 | C8H16 | 016747-50-5 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

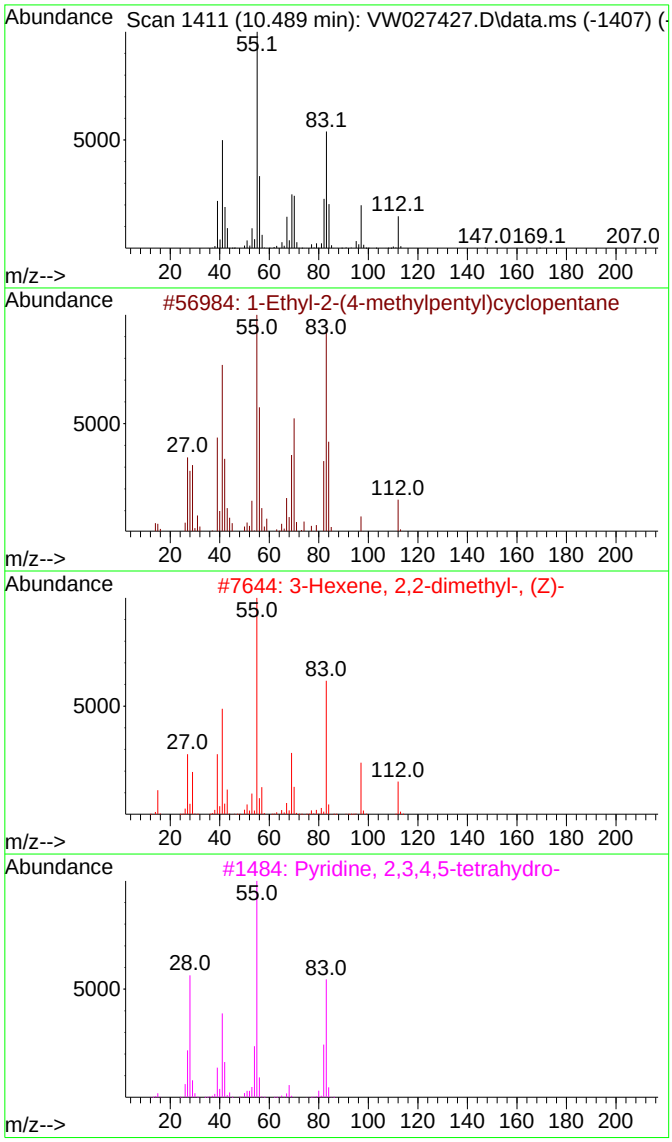
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

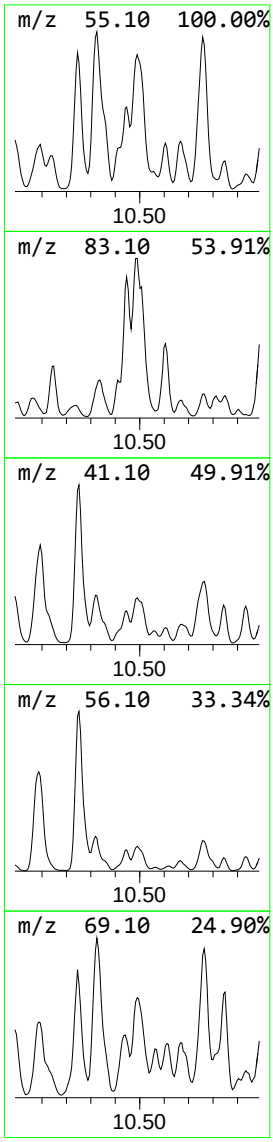
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 (DEL) Alkane: Cyclic10.489 Concentration Rank 53

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.489 | 11.98 ug/L | 1022540 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Ethyl-2-(4-methylpentyl)cyclop... | 182 | C13H26 | 219726-60-0 | 72 |
| 2 | 3-Hexene, 2,2-dimethyl-, (Z)- | 112 | C8H16 | 000690-92-6 | 46 |
| 3 | Pyridine, 2,3,4,5-tetrahydro- | 83 | C5H9N | 000505-18-0 | 46 |
| 4 | 3-Ethyl-2-hexene | 112 | C8H16 | 000620-00-8 | 43 |
| 5 | 3-Octene, (Z)- | 112 | C8H16 | 014850-22-7 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

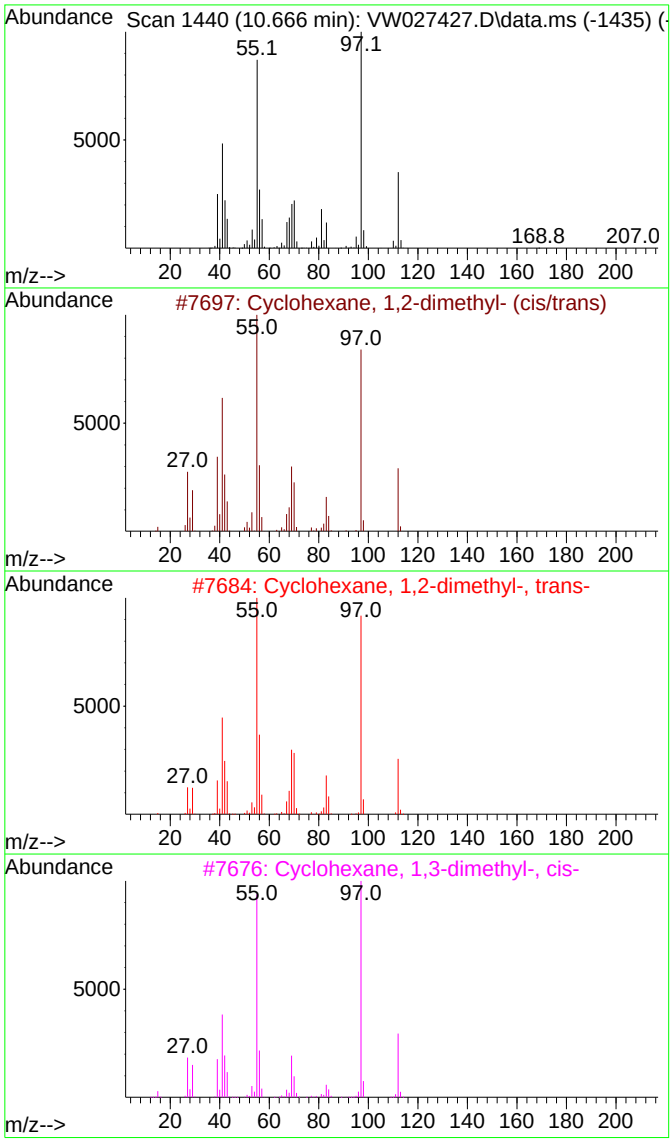
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

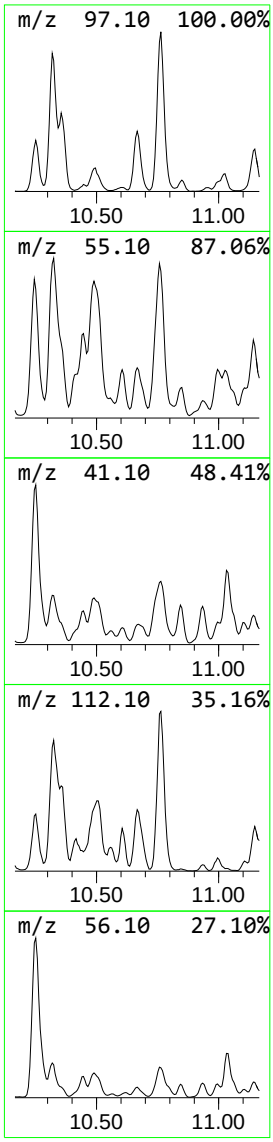
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 (DEL) Alkane: Cyclic10.666 Concentration Rank 48

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.666 | 13.58 ug/L | 1159200 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 90 |
| 2 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 90 |
| 3 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 90 |
| 4 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 90 |
| 5 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

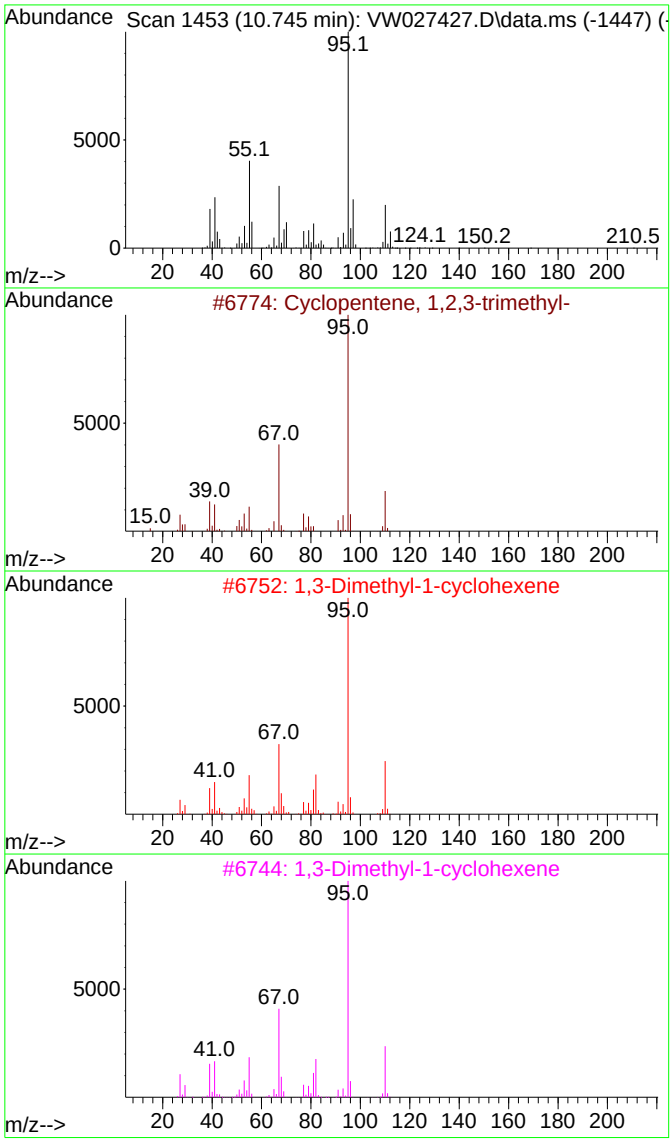
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

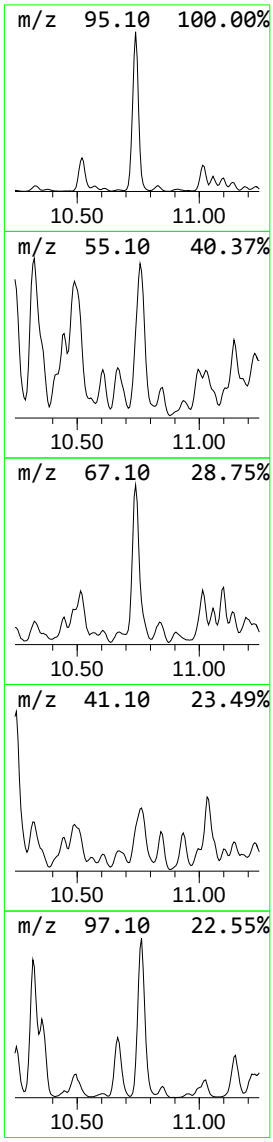
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.745 | 70.42 ug/L | 6011430 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 91 |
| 2 | 1,3-Dimethyl-1-cyclohexene | 110 | C8H14 | 002808-76-6 | 70 |
| 3 | 1,3-Dimethyl-1-cyclohexene | 110 | C8H14 | 002808-76-6 | 62 |
| 4 | Bicyclo[3.1.0]hexane, 1,5-dimethyl- | 110 | C8H14 | 1010142-17-5 | 60 |
| 5 | 1,4-Pentadiene, 2,3,3-trimethyl- | 110 | C8H14 | 000756-02-5 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

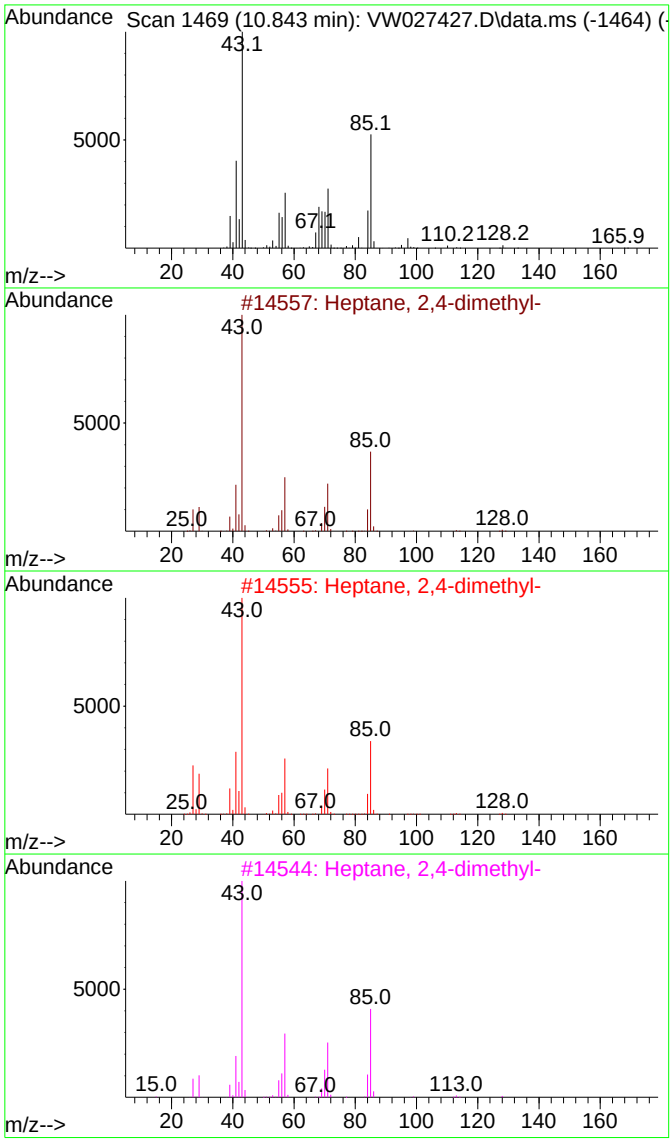
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

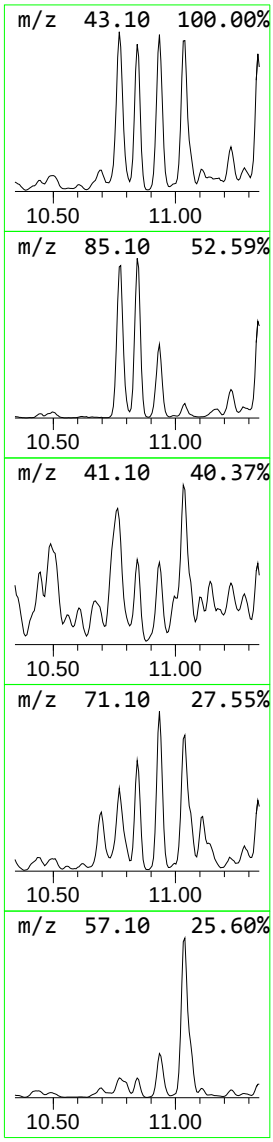
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.843 | 21.67 ug/L | 1849470 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 74 |
| 2 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 58 |
| 3 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 52 |
| 4 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 50 |
| 5 | Octane | 114 | C8H18 | 000111-65-9 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

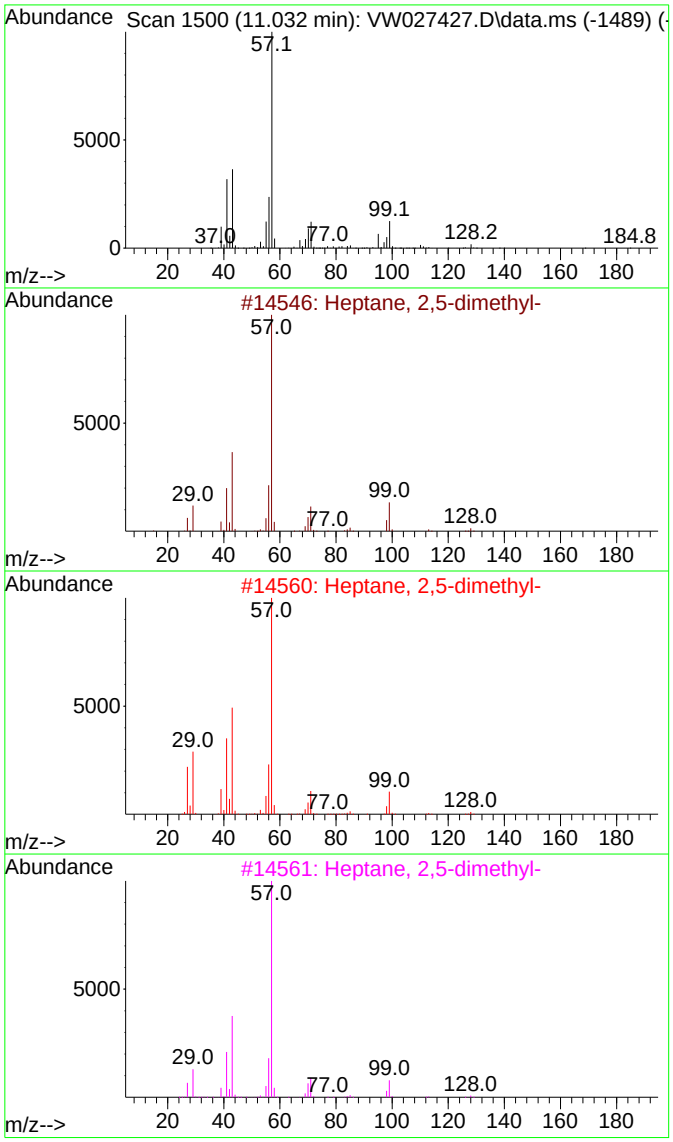
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

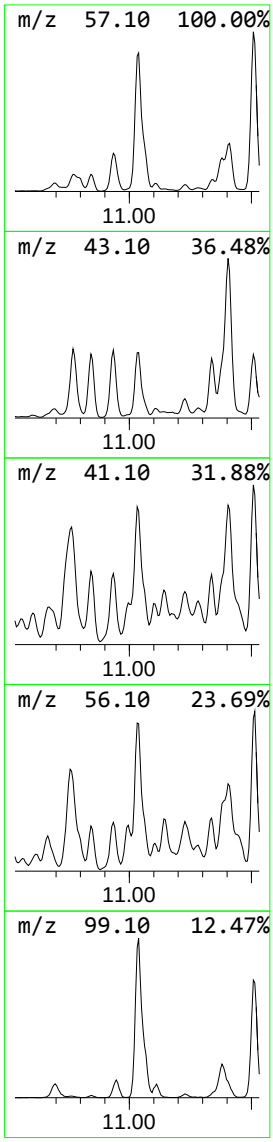
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.032 | 55.17 ug/L | 4709170 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 87 |
| 2 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 83 |
| 3 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 80 |
| 4 | Heptane, 3,5-dimethyl- | 128 | C9H20 | 000926-82-9 | 76 |
| 5 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

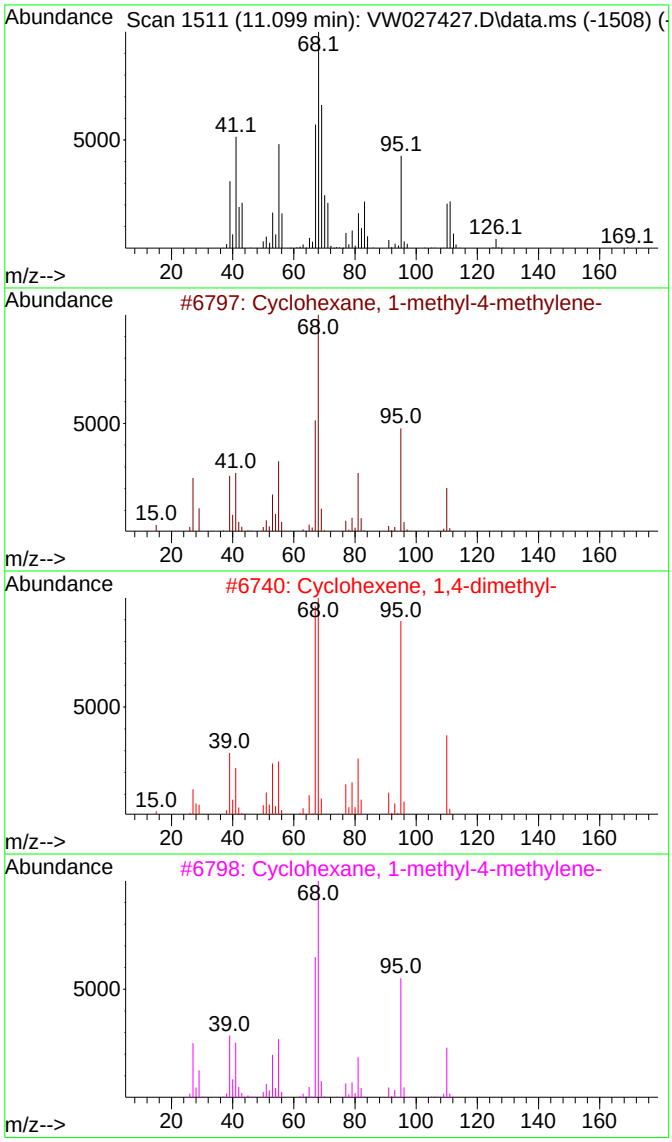
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

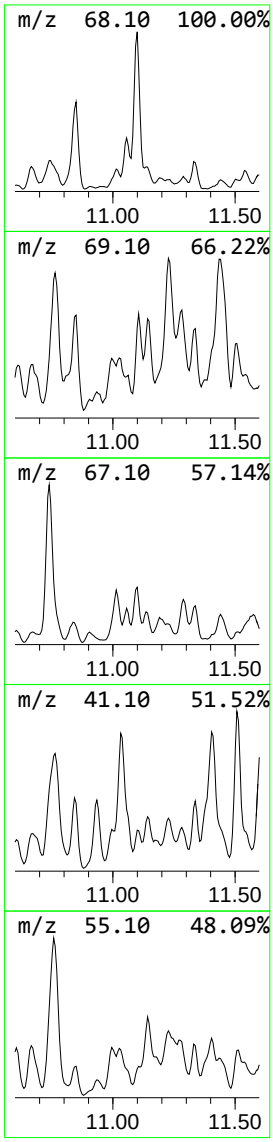
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 Cyclohexane, 1-methyl-4-met... Concentration Rank 74

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.099 | 5.97 ug/L | 509616 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-4-methylene- | 110 | C8H14 | 002808-80-2 | 52 |
| 2 | Cyclohexene, 1,4-dimethyl- | 110 | C8H14 | 002808-79-9 | 45 |
| 3 | Cyclohexane, 1-methyl-4-methylene- | 110 | C8H14 | 002808-80-2 | 38 |
| 4 | 7-Oxabicyclo[4.1.0]heptane, 2-me... | 112 | C7H12O | 005410-22-0 | 37 |
| 5 | Tetrahydropyrrolo[1,2-a]azetidin... | 111 | C6H9NO | 1010196-09-7 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

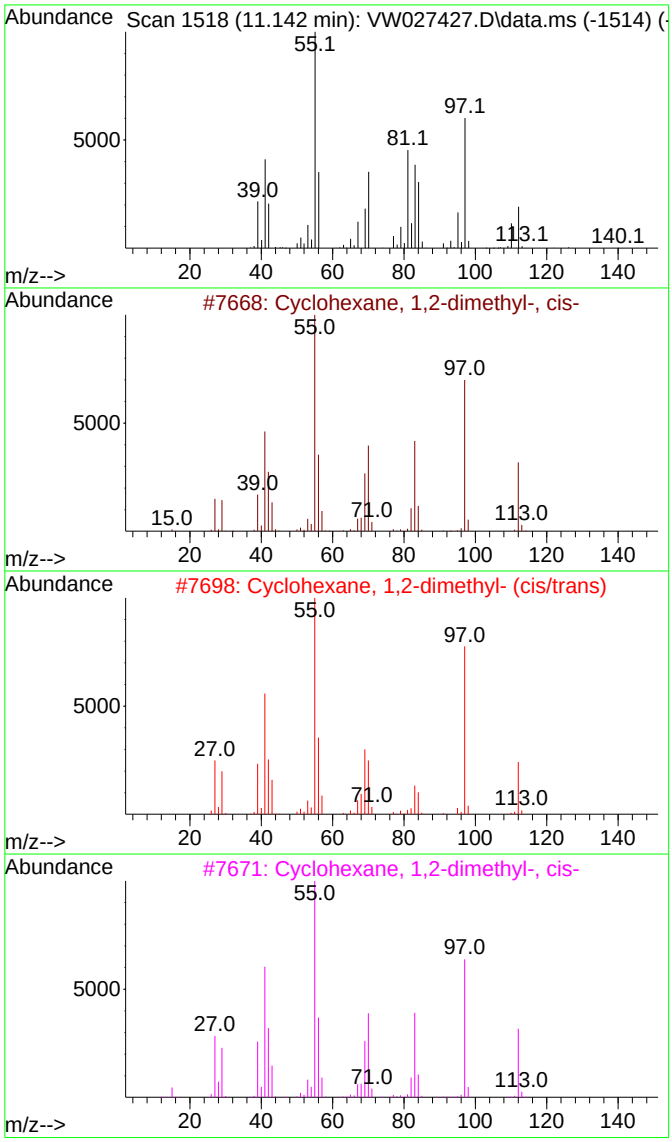
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

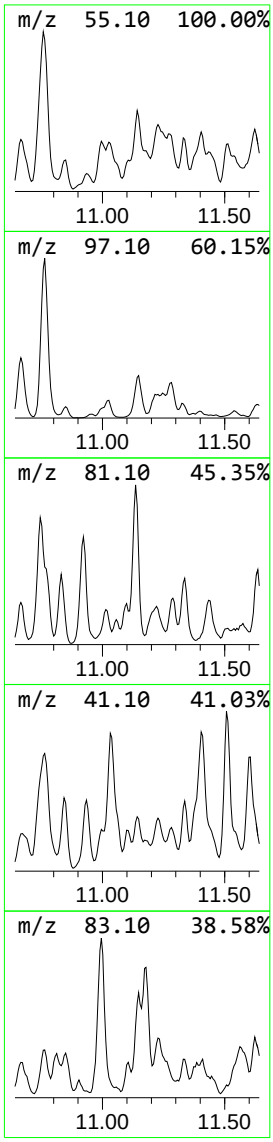
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 32 (DEL) Alkane: Cyclic11.142 Concentration Rank 62

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.142 | 8.83 ug/L | 753612 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 58 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 58 |
| 3 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 53 |
| 4 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 52 |
| 5 | 3-Octene, (Z)- | 112 | C8H16 | 014850-22-7 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

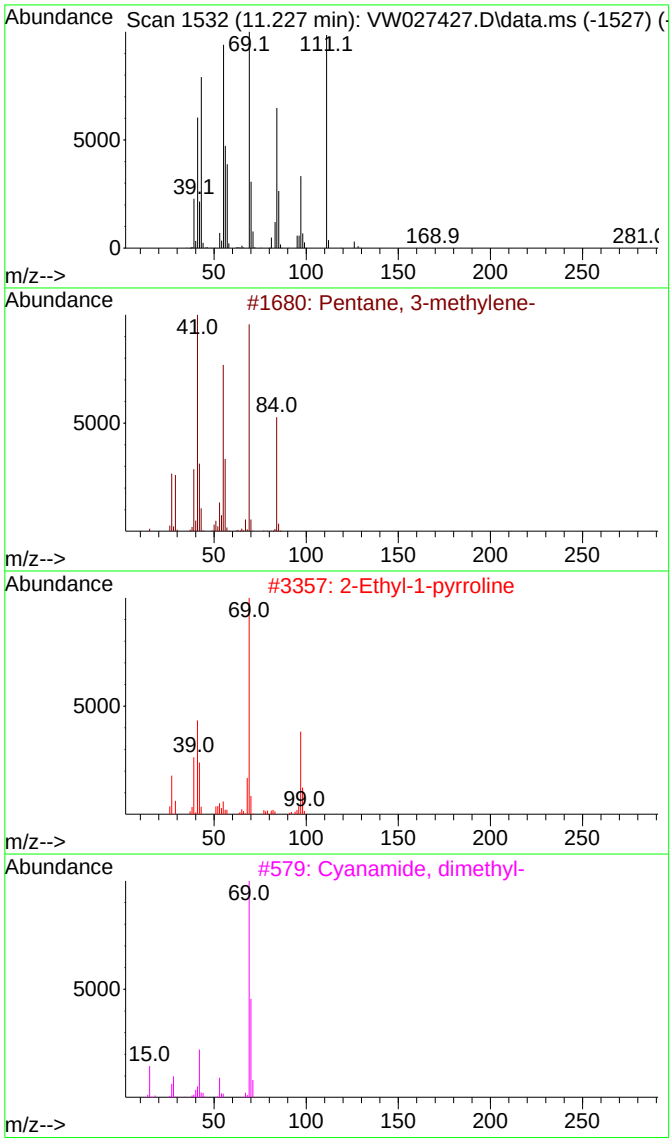
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

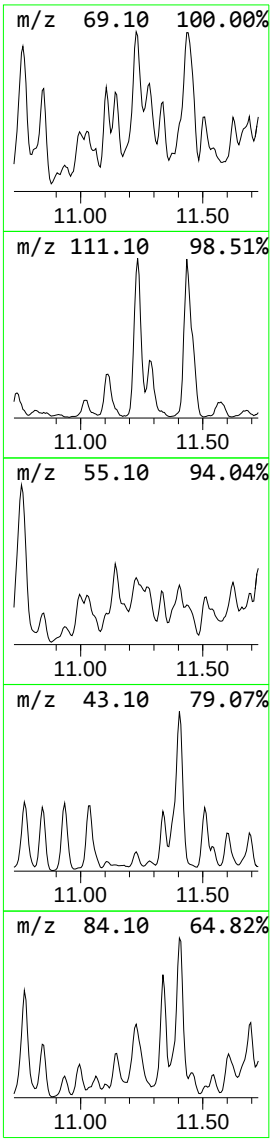
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 61

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.227 | 8.93 ug/L | 762266 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methylene- | 84 | C6H12 | 000760-21-4 | 43 |
| 2 | 2-Ethyl-1-pyrroline | 97 | C6H11N | 1000422-81-4 | 22 |
| 3 | Cyanamide, dimethyl- | 70 | C3H6N2 | 001467-79-4 | 22 |
| 4 | Piperidine | 85 | C5H11N | 000110-89-4 | 14 |
| 5 | Cyclopentanone | 84 | C5H8O | 000120-92-3 | 14 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

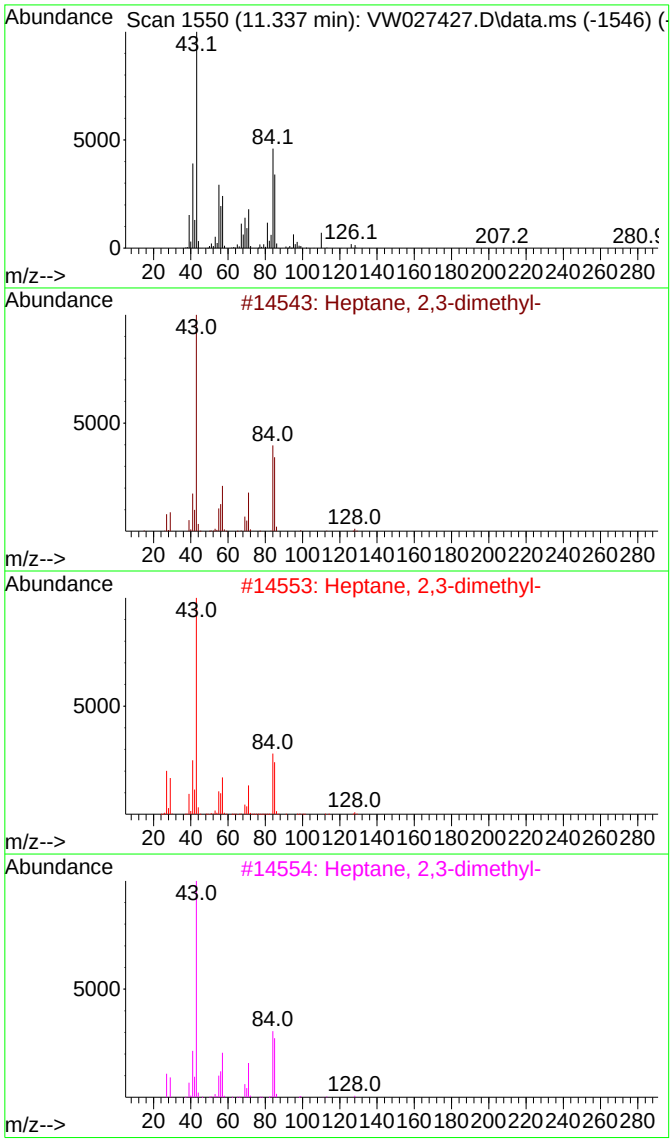
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

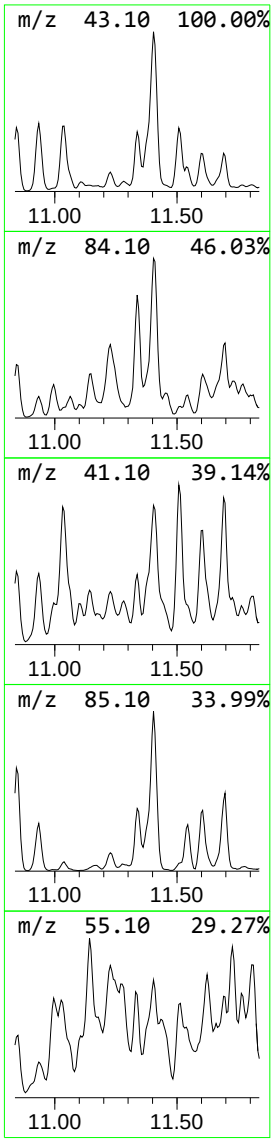
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 52

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.337 | 12.31 ug/L | 1050740 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 70 |
| 2 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 64 |
| 3 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 62 |
| 4 | 1-Octene, 4-methyl- | 126 | C9H18 | 013151-12-7 | 58 |
| 5 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

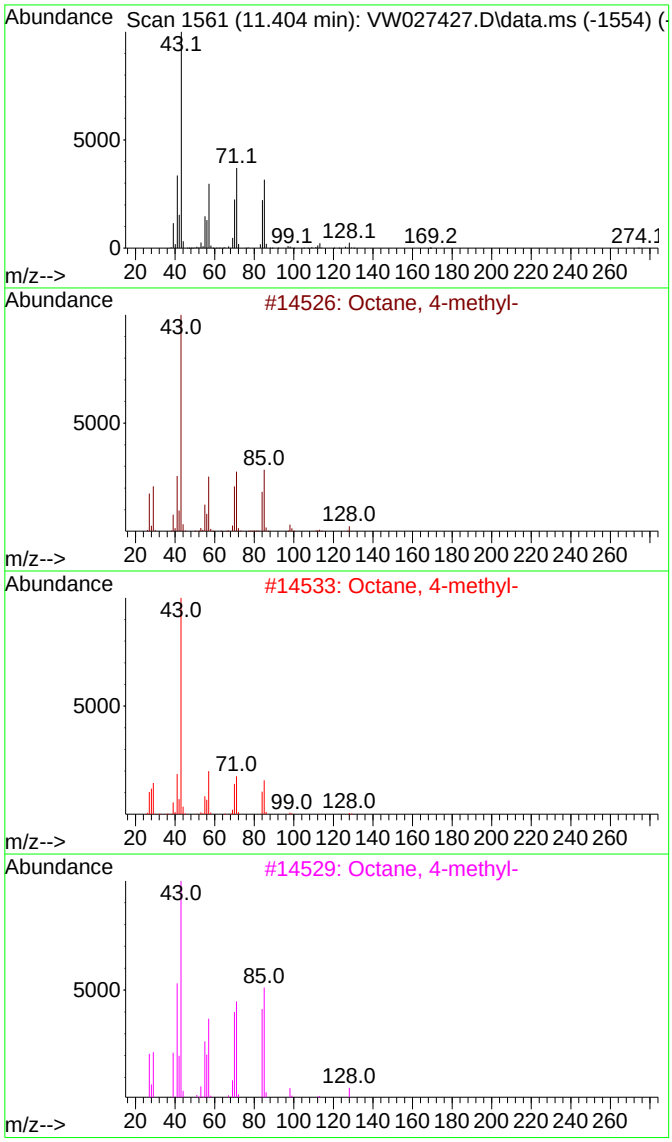
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

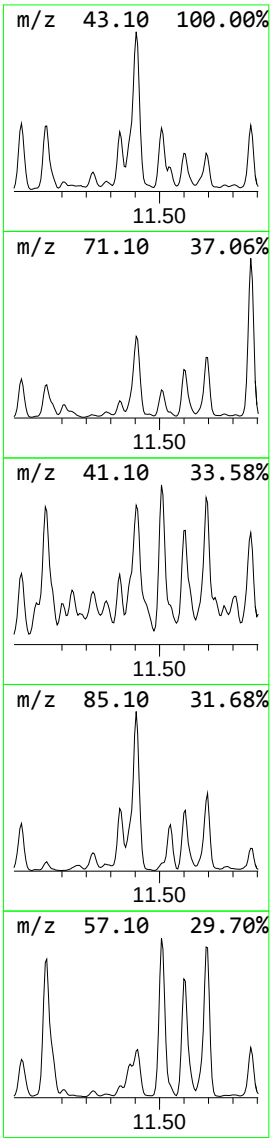
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.404 | 59.68 ug/L | 5094470 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 91 |
| 2 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 78 |
| 3 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 78 |
| 4 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 64 |
| 5 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

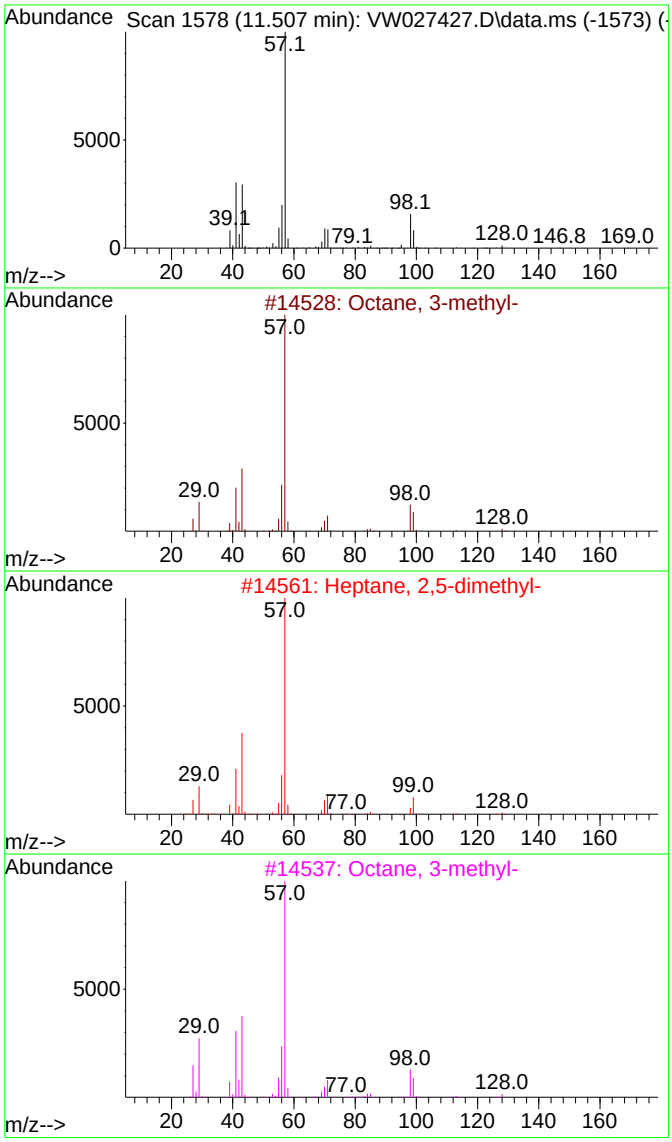
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

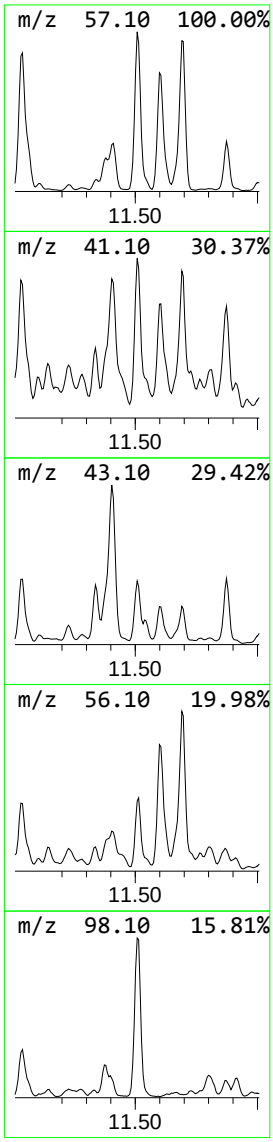
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.507 | 35.44 ug/L | 3025520 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 91 |
| 2 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 80 |
| 3 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 64 |
| 4 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 64 |
| 5 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

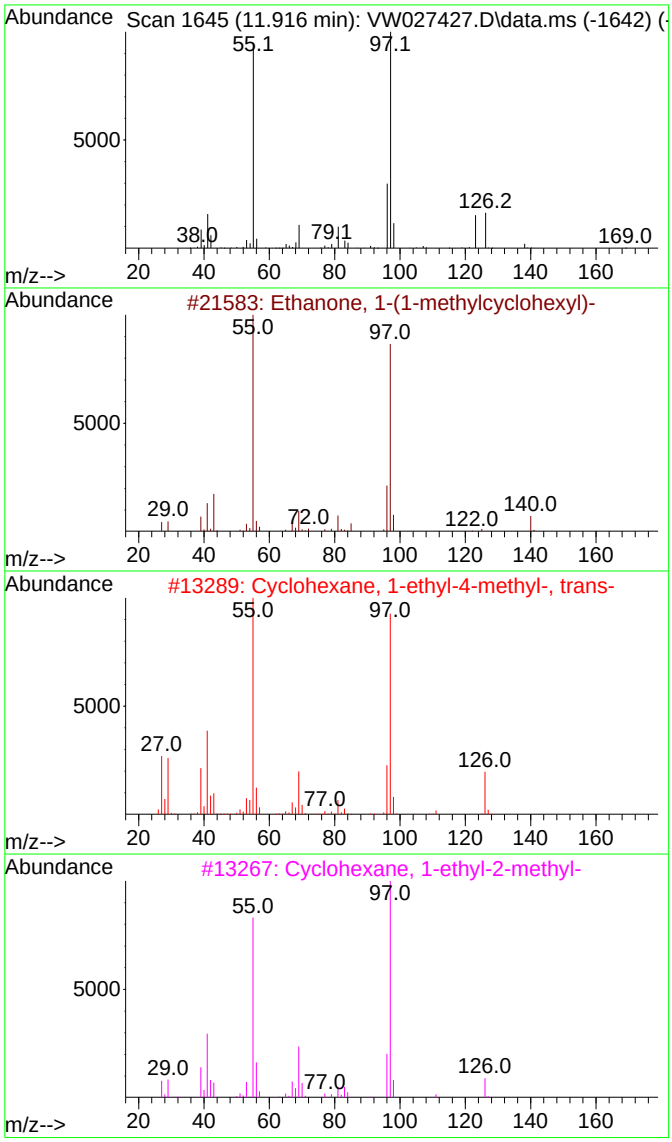
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

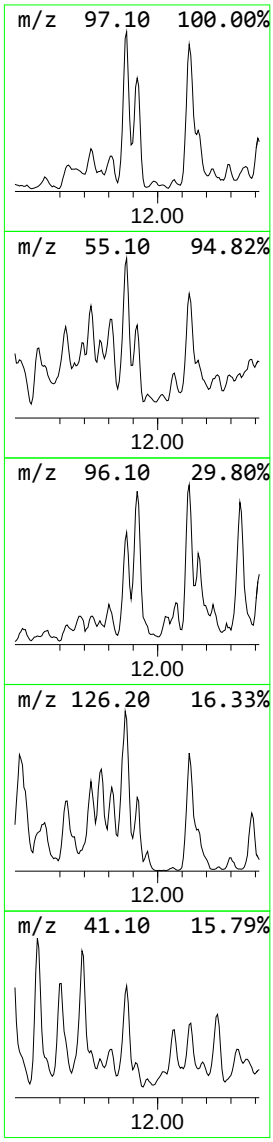
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 Ethanone, 1-(1-methylcycloh... Concentration Rank 72

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.916 | 6.69 ug/L | 571131 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(1-methylcyclohexyl)- | 140 | C9H16O | 002890-62-2 | 72 |
| 2 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 72 |
| 3 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 72 |
| 4 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 72 |
| 5 | Cyclopentane, 1-hydroxymethyl-1,... | 128 | C8H16O | 1000156-73-8 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

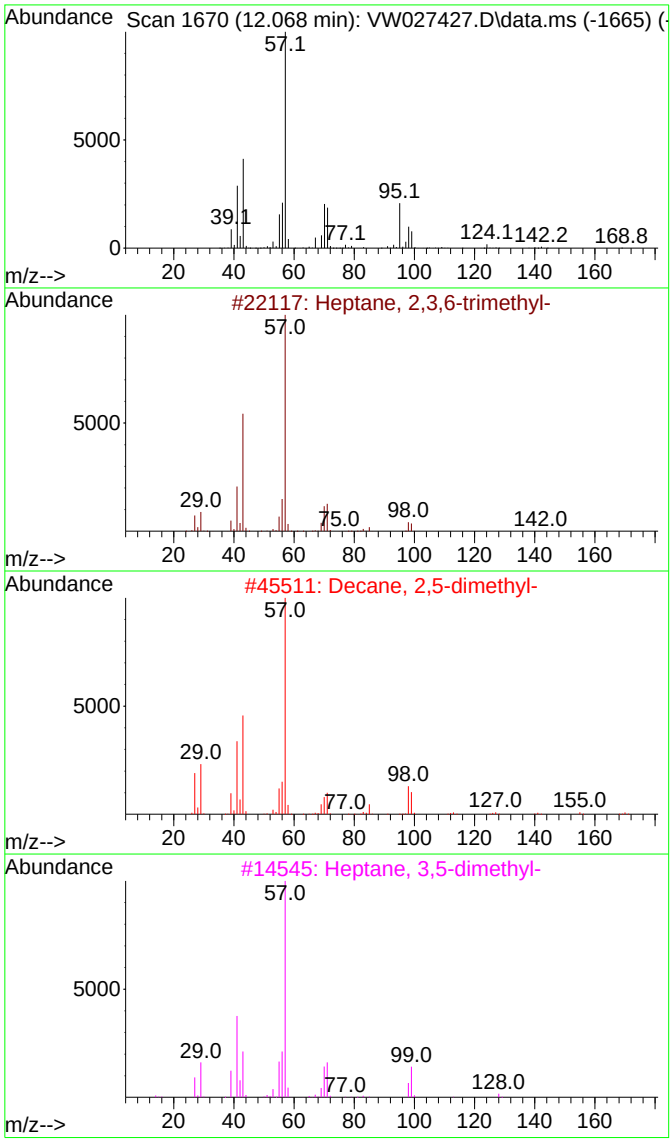
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

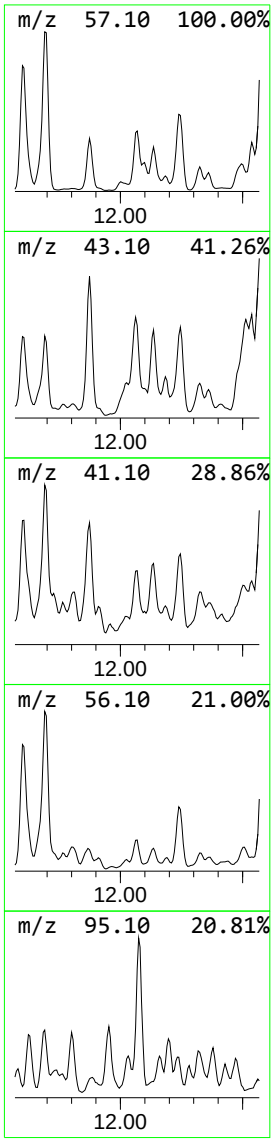
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.068 | 13.80 ug/L | 1177890 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,3,6-trimethyl- | 142 | C10H22 | 004032-93-3 | 53 |
| 2 | Decane, 2,5-dimethyl- | 170 | C12H26 | 017312-50-4 | 50 |
| 3 | Heptane, 3,5-dimethyl- | 128 | C9H20 | 000926-82-9 | 50 |
| 4 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 47 |
| 5 | 2-Decene, 5-methyl-, (Z)- | 154 | C11H22 | 074645-86-6 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

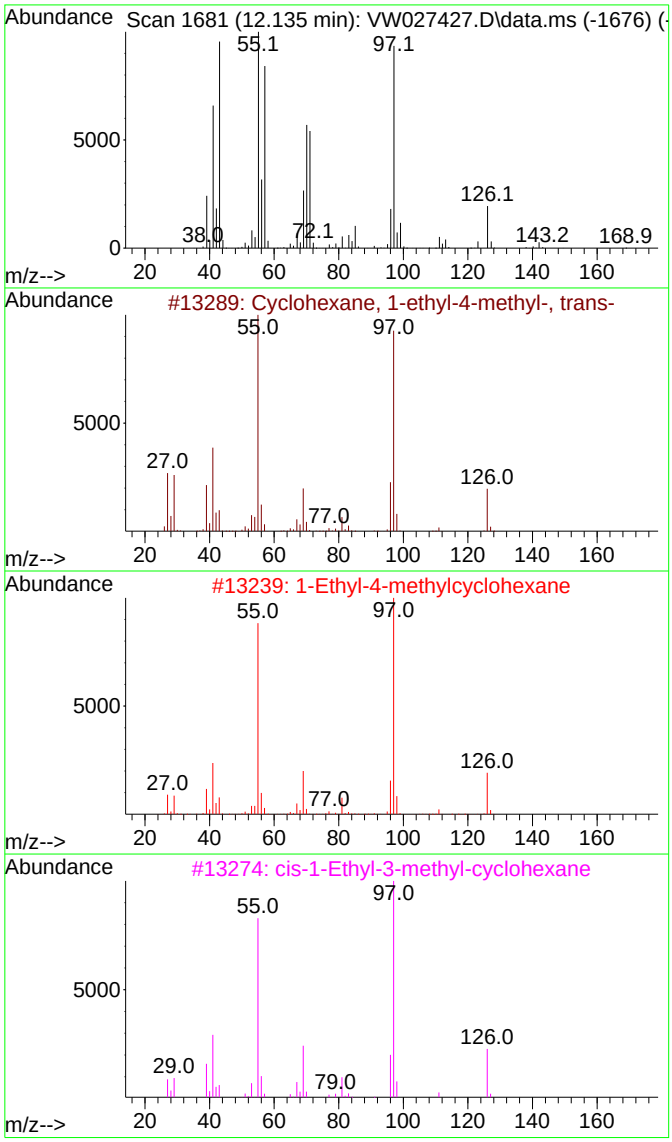
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

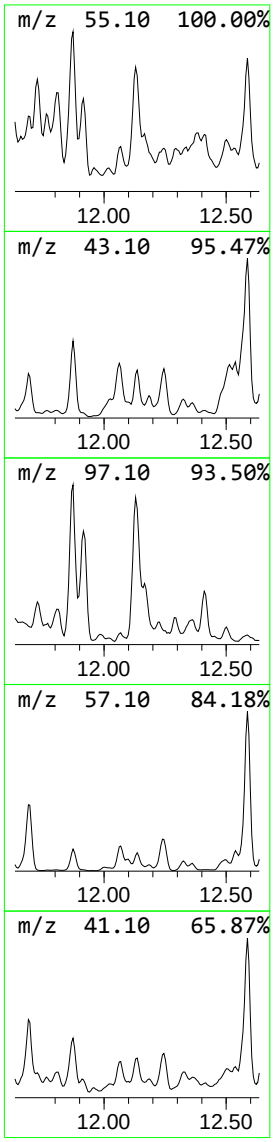
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 41 (DEL) Alkane: Cyclic12.135 Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.135 | 14.03 ug/L | 1197320 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 50 |
| 2 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 45 |
| 3 | cis-1-Ethyl-3-methyl-cyclohexane | 126 | C9H18 | 019489-10-2 | 45 |
| 4 | Cyclohexane, 1,2,3-trimethyl- | 126 | C9H18 | 001678-97-3 | 43 |
| 5 | 3,5-Dimethyl-3-heptene | 126 | C9H18 | 059643-68-4 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

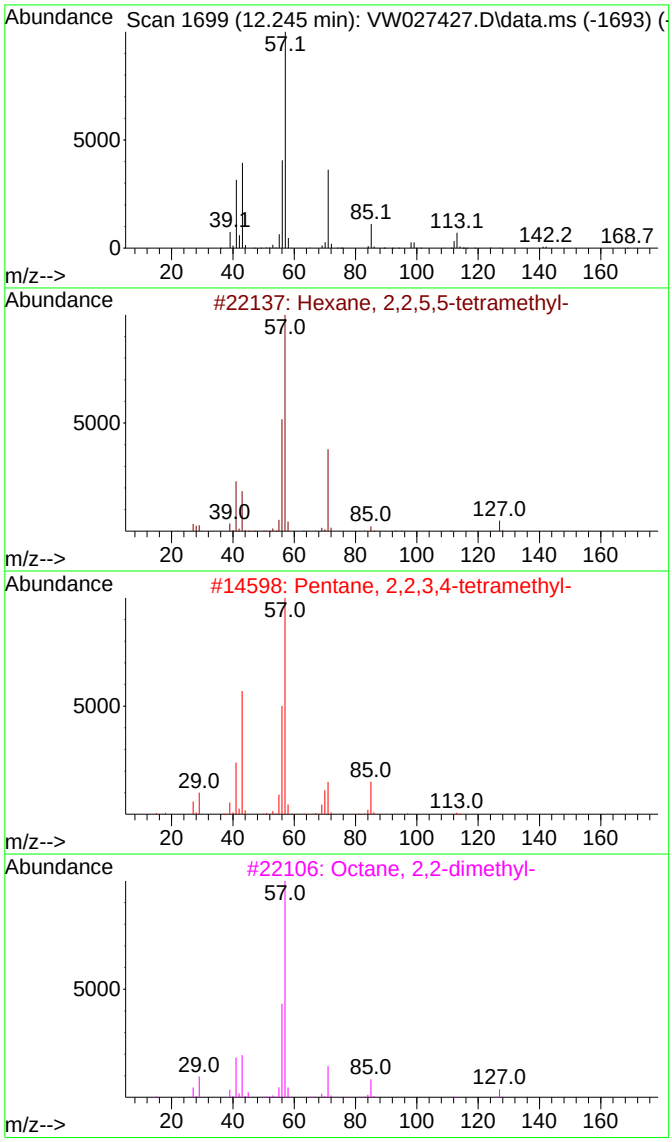
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

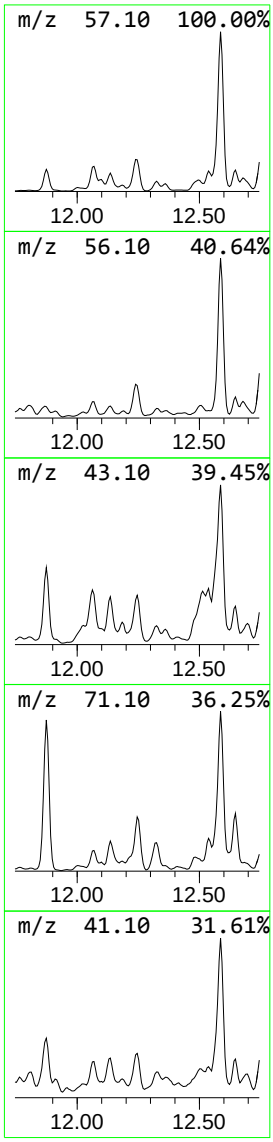
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.245 | 20.92 ug/L | 1786230 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 64 |
| 2 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 59 |
| 3 | Octane, 2,2-dimethyl- | 142 | C10H22 | 015869-87-1 | 59 |
| 4 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 53 |
| 5 | Propanoic acid, 2,2-dimethyl-, m... | 116 | C6H12O2 | 000598-98-1 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

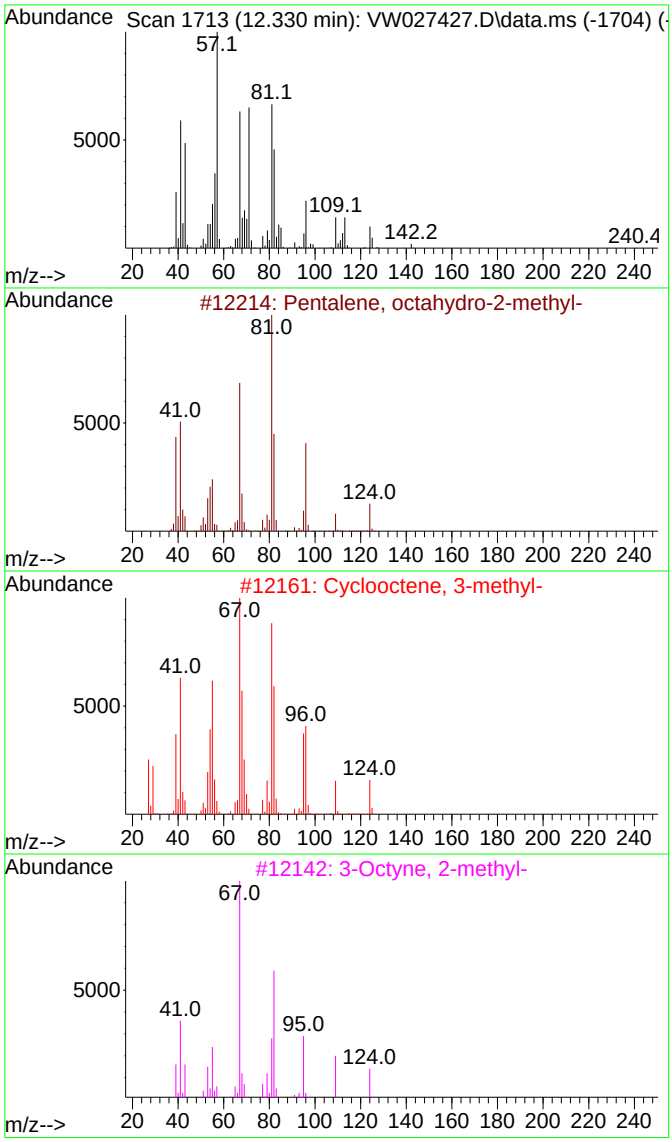
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

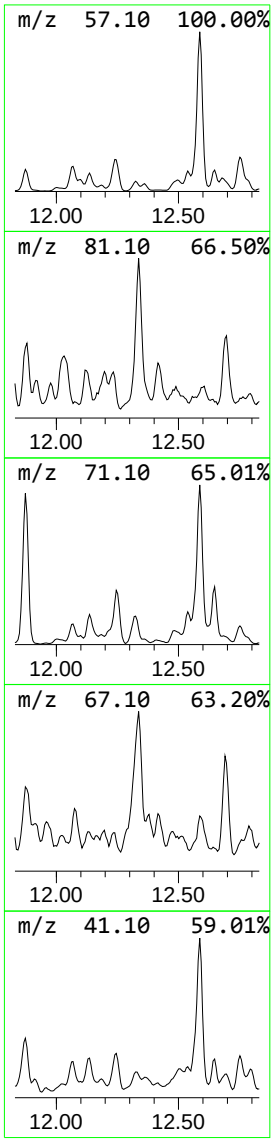
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 43 Pentalene, octahydro-2-methyl- Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.331 | 17.35 ug/L | 1481360 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentalene, octahydro-2-methyl- | 124 | C9H16 | 003868-64-2 | 70 |
| 2 | Cyclooctene, 3-methyl- | 124 | C9H16 | 013152-05-1 | 55 |
| 3 | 3-Octyne, 2-methyl- | 124 | C9H16 | 055402-15-8 | 46 |
| 4 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 42 |
| 5 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

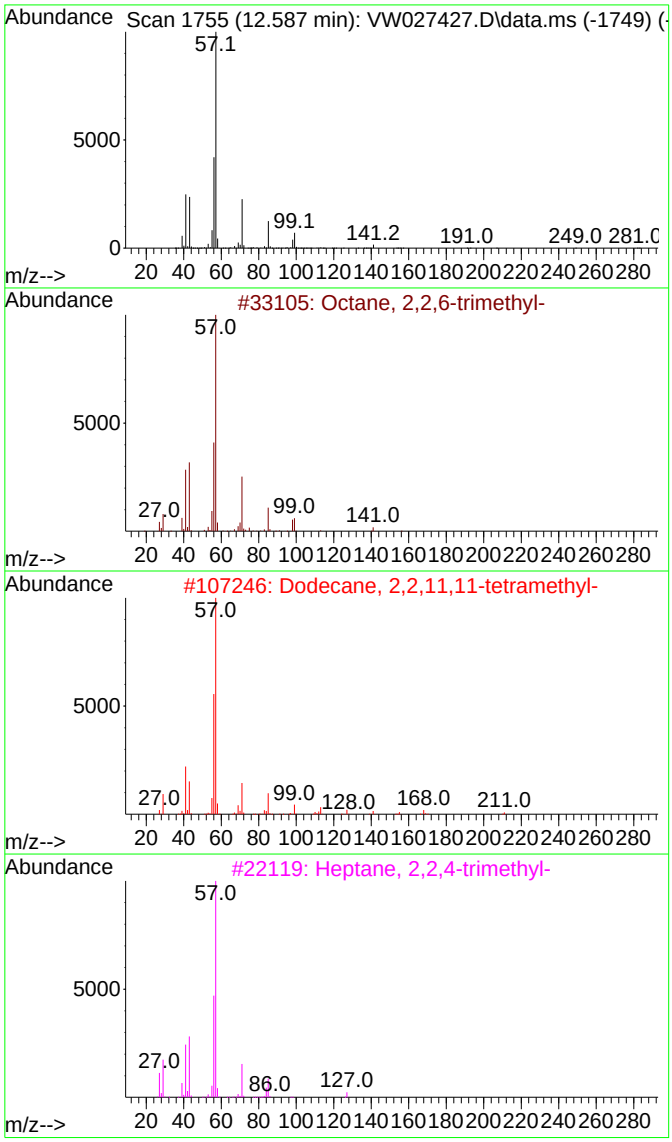
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

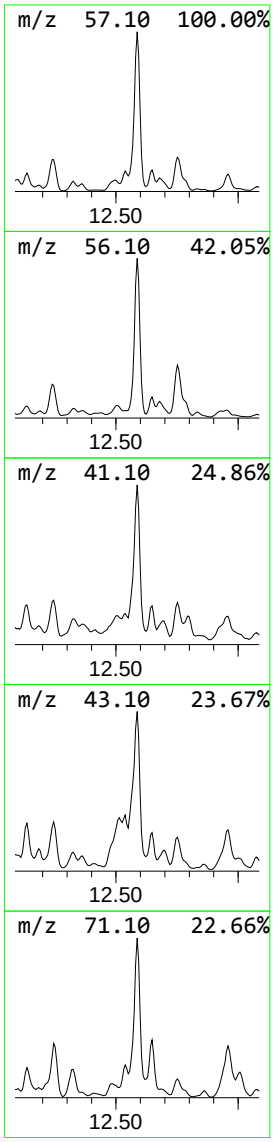
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.586 | 80.63 ug/L | 6883230 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,2,6-trimethyl- | 156 | C11H24 | 062016-28-8 | 83 |
| 2 | Dodecane, 2,2,11,11-tetramethyl- | 226 | C16H34 | 127204-12-0 | 72 |
| 3 | Heptane, 2,2,4-trimethyl- | 142 | C10H22 | 014720-74-2 | 72 |
| 4 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 64 |
| 5 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

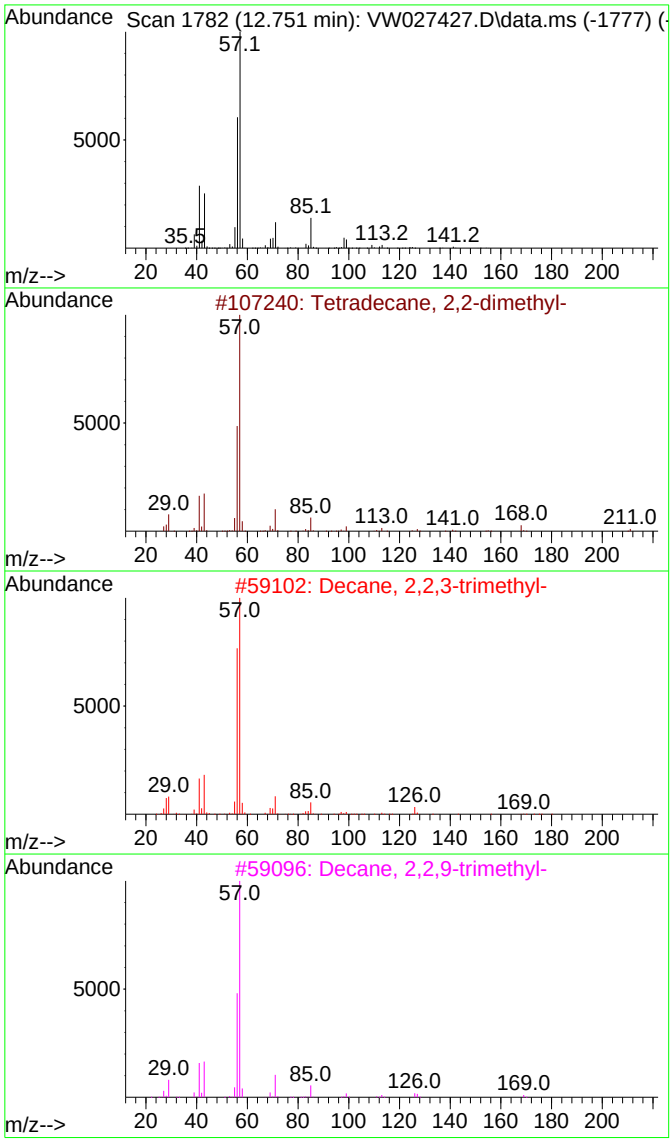
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

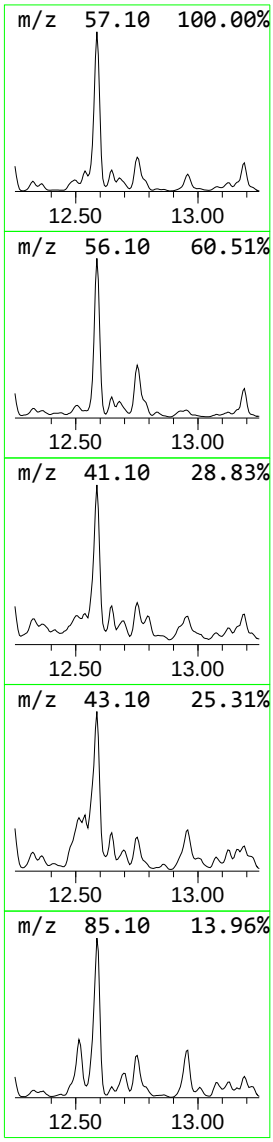
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.751 | 41.28 ug/L | 1480840 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 2,2-dimethyl- | 226 | C16H34 | 059222-86-5 | 72 |
| 2 | Decane, 2,2,3-trimethyl- | 184 | C13H28 | 062338-09-4 | 72 |
| 3 | Decane, 2,2,9-trimethyl- | 184 | C13H28 | 062238-00-0 | 72 |
| 4 | Decane, 2,2-dimethyl- | 170 | C12H26 | 017302-37-3 | 72 |
| 5 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

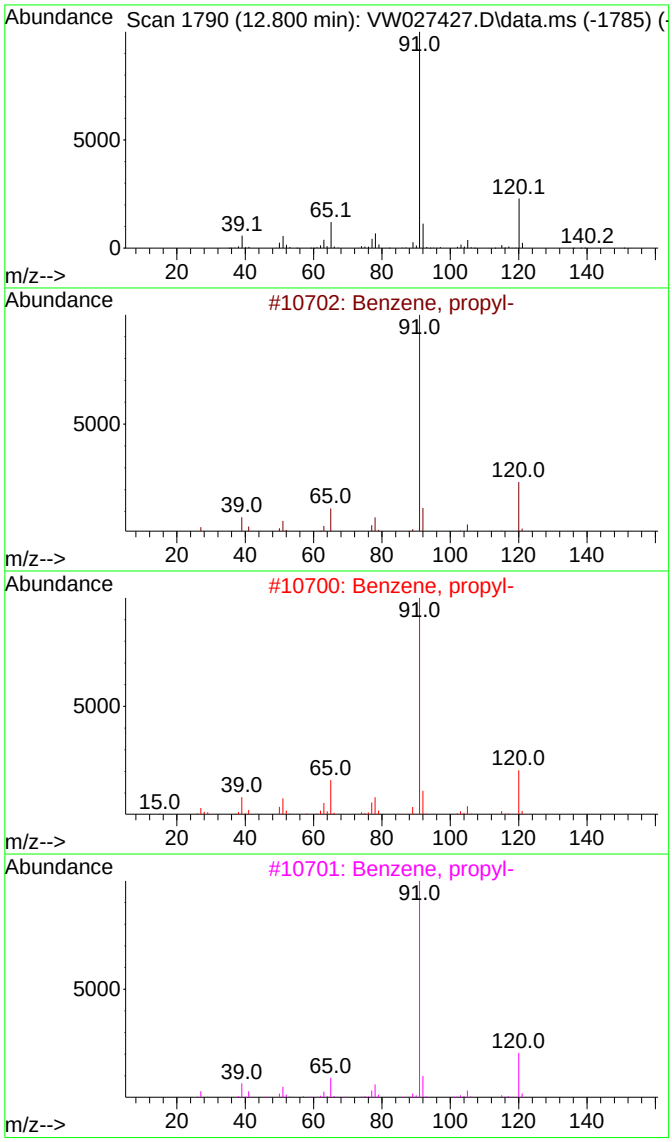
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

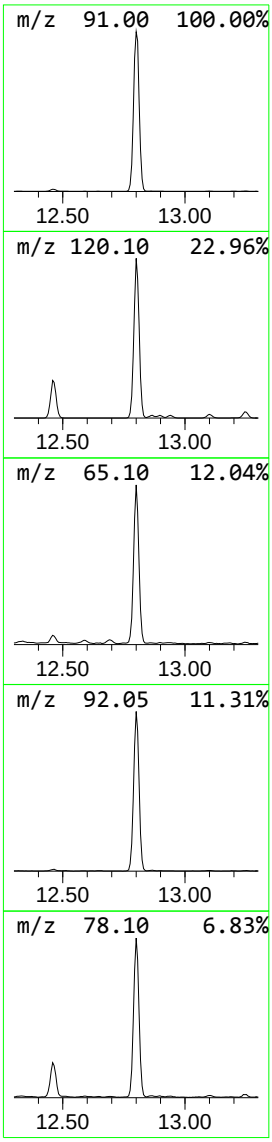
**********

Peak Number 46 Benzene, propyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.800 | 188.41 ug/L | 6759200 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 94 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 91 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 4 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 87 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

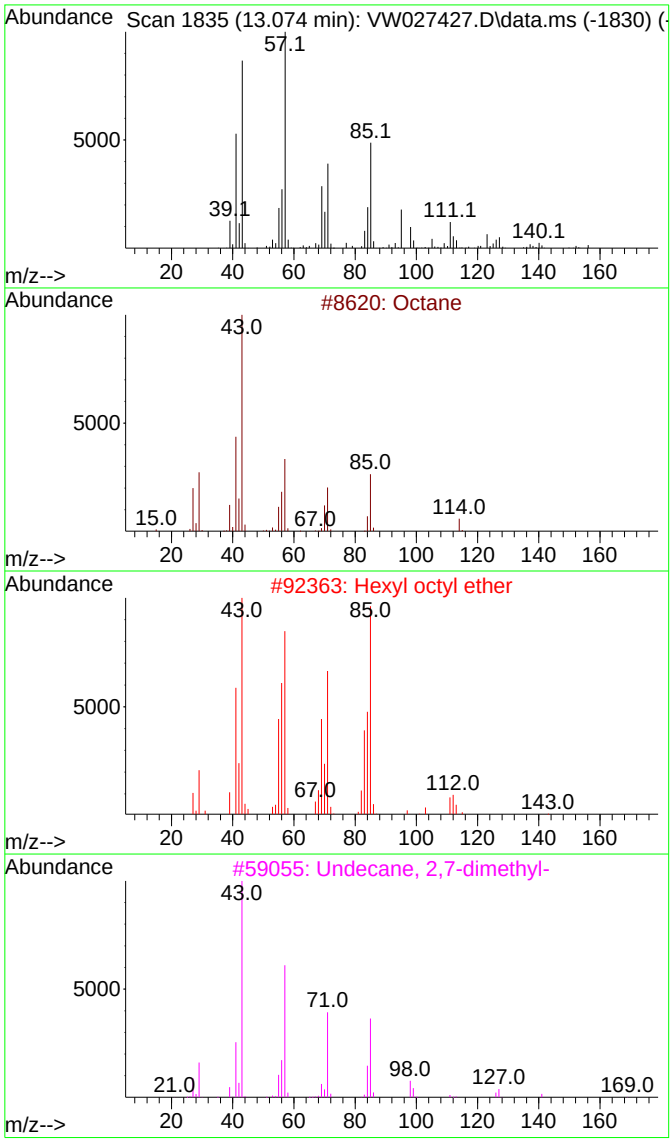
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

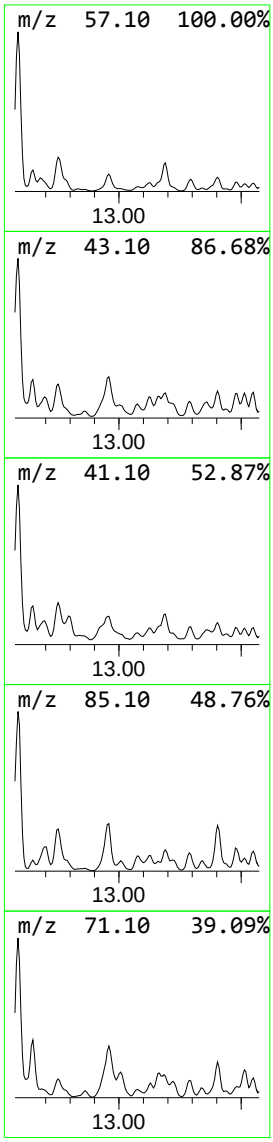
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 64

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.074 | 8.24 ug/L | 295755 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane | 114 | C8H18 | 000111-65-9 | 58 |
| 2 | Hexyl octyl ether | 214 | C14H30O | 017071-54-4 | 53 |
| 3 | Undecane, 2,7-dimethyl- | 184 | C13H28 | 017301-24-5 | 53 |
| 4 | Undecane, 5,7-dimethyl- | 184 | C13H28 | 017312-83-3 | 50 |
| 5 | Oxalic acid, 6-ethyloct-3-yl iso... | 314 | C18H34O4 | 1000309-34-3 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

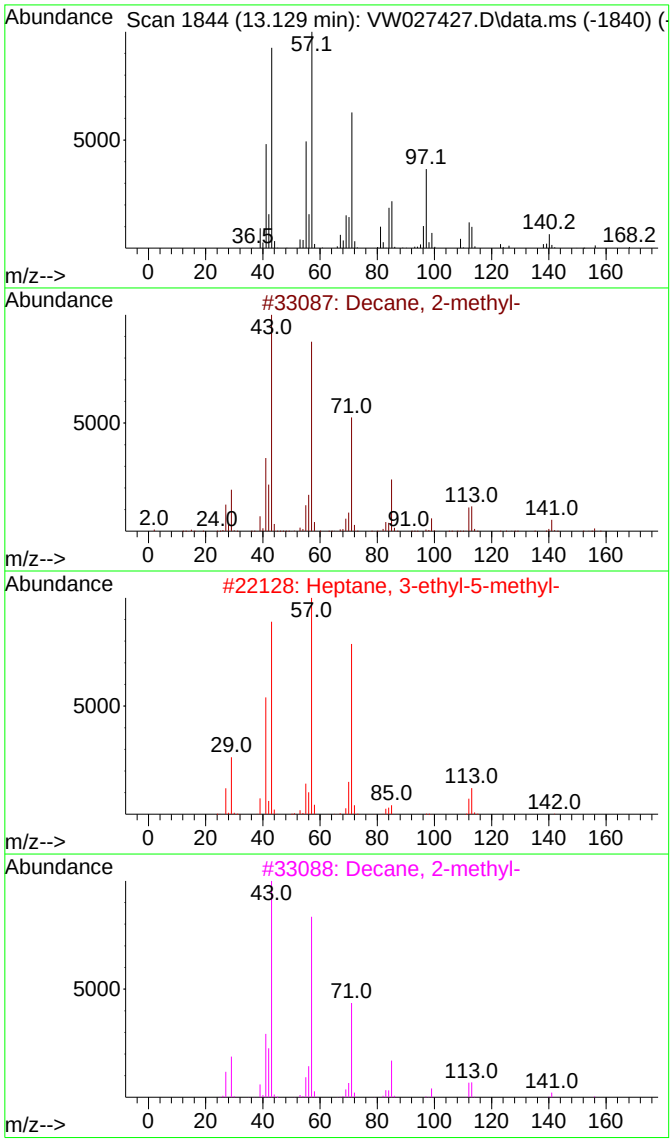
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

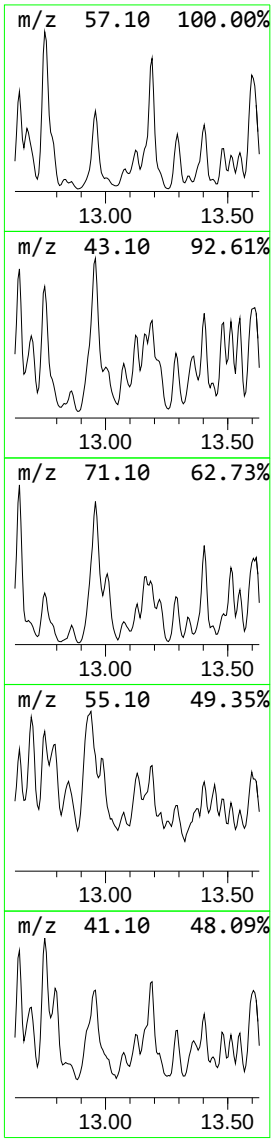
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 63

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.129 | 8.46 ug/L | 303360 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 58 |
| 2 | Heptane, 3-ethyl-5-methyl- | 142 | C10H22 | 052896-90-9 | 55 |
| 3 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 53 |
| 4 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 49 |
| 5 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

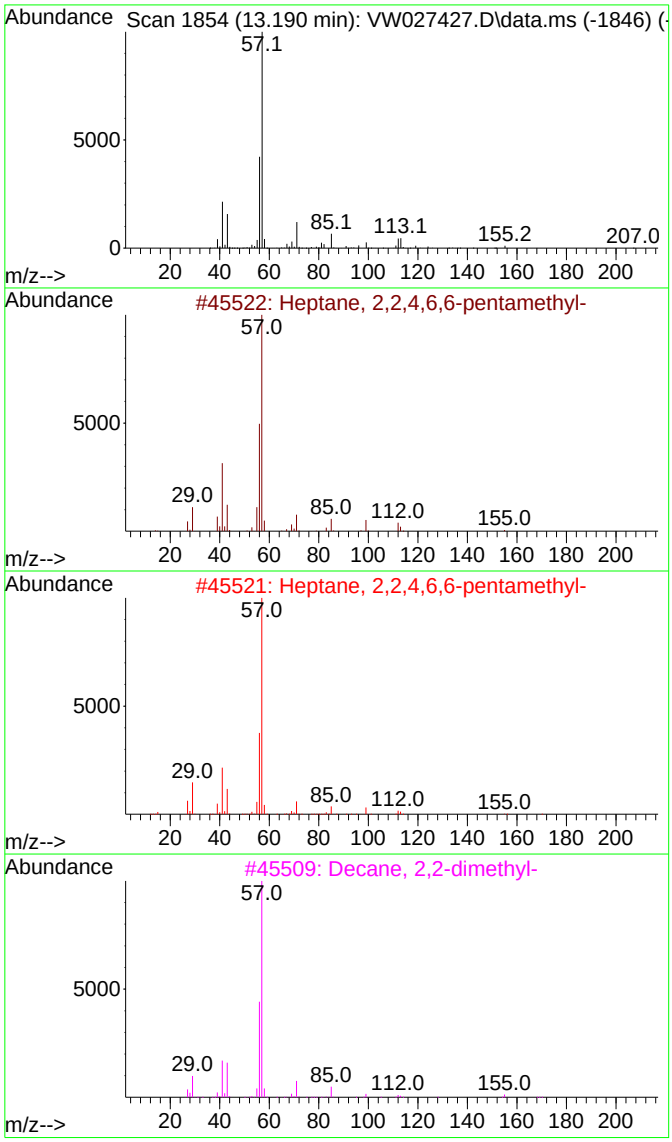
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

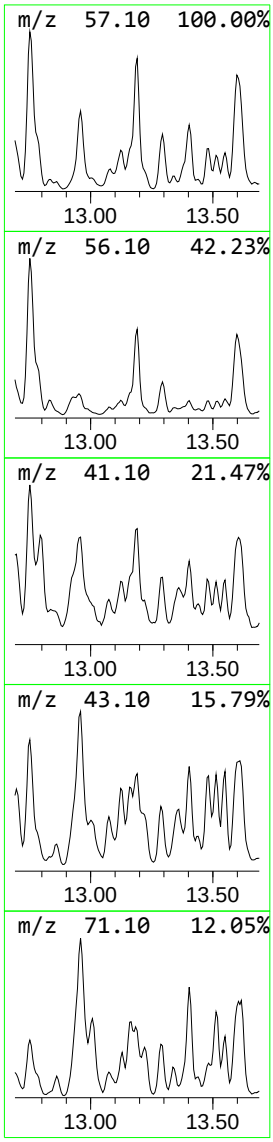
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.190 | 32.34 ug/L | 1160060 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26 | 013475-82-6 | 72 |
| 2 | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26 | 013475-82-6 | 64 |
| 3 | Decane, 2,2-dimethyl- | 170 | C12H26 | 017302-37-3 | 64 |
| 4 | Decane, 2,2,5-trimethyl- | 184 | C13H28 | 062237-96-1 | 59 |
| 5 | Decane, 2,2,7-trimethyl- | 184 | C13H28 | 062237-99-4 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

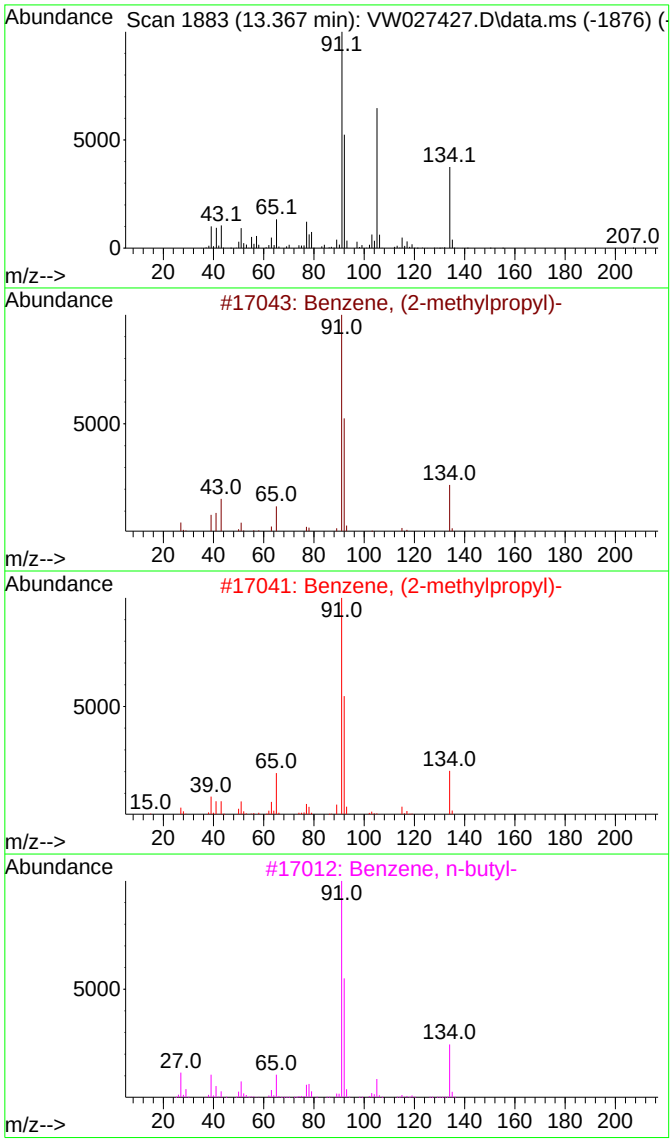
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

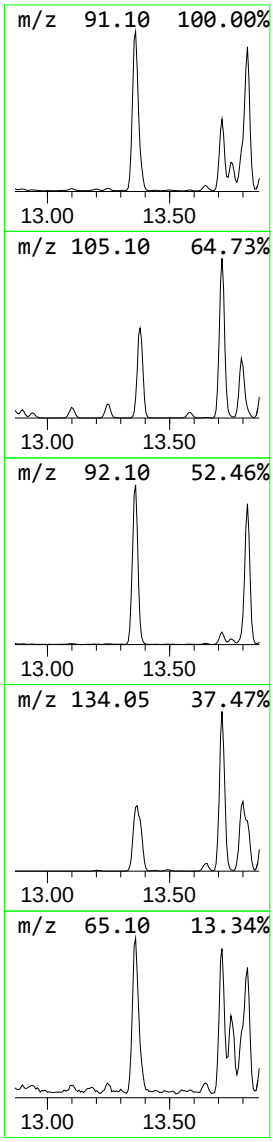
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 50 Benzene, (2-methylpropyl)- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.367 | 90.45 ug/L | 3244990 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 76 |
| 2 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 74 |
| 3 | Benzene, n-butyl- | 134 | C10H14 | 000104-51-8 | 72 |
| 4 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 68 |
| 5 | Benzene, n-butyl- | 134 | C10H14 | 000104-51-8 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

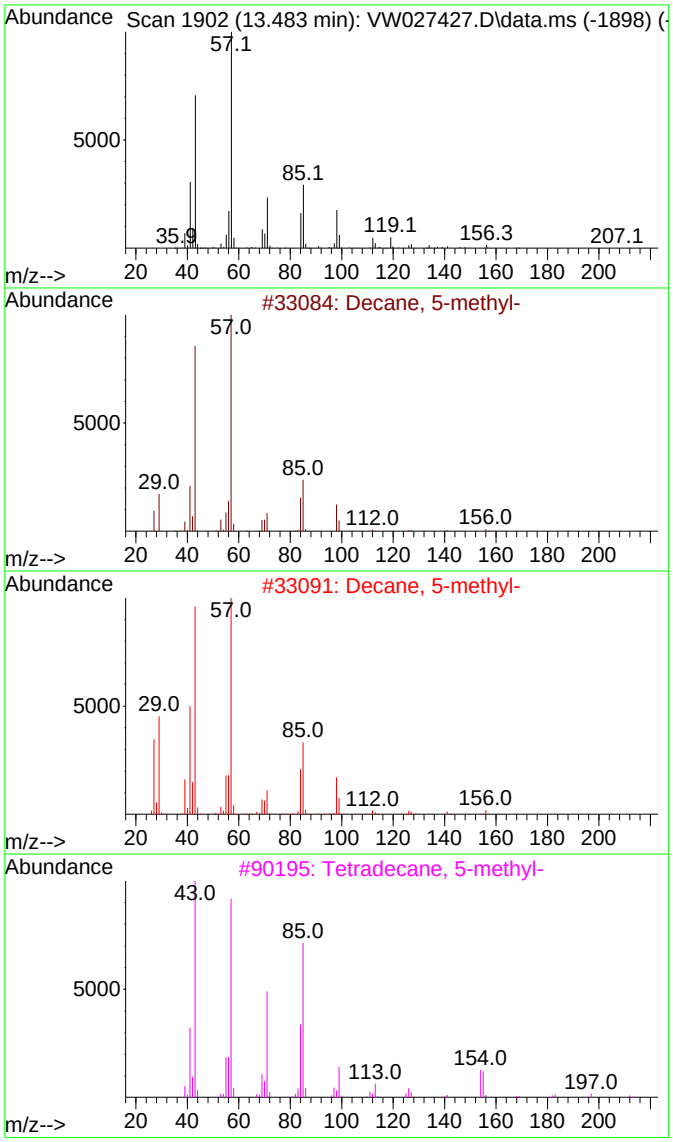
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

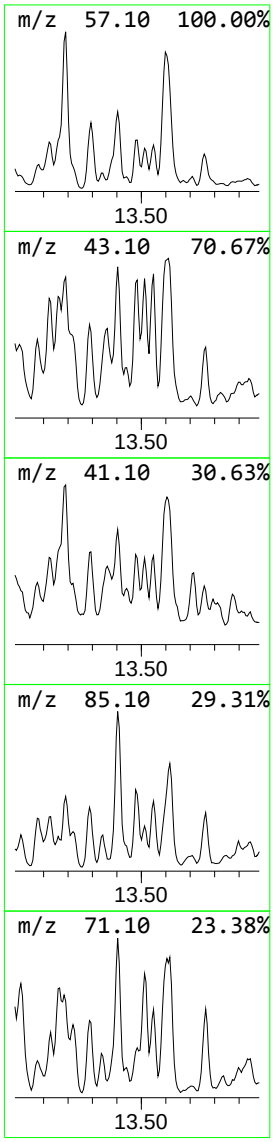
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 60

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.483 | 9.78 ug/L | 350901 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 5-methyl- | 156 | C11H24 | 013151-35-4 | 76 |
| 2 | Decane, 5-methyl- | 156 | C11H24 | 013151-35-4 | 58 |
| 3 | Tetradecane, 5-methyl- | 212 | C15H32 | 025117-32-2 | 53 |
| 4 | 2-Nonanol, trimethylacetate | 228 | C14H28O2 | 1000463-21-6 | 50 |
| 5 | Octane, 4-ethyl- | 142 | C10H22 | 015869-86-0 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

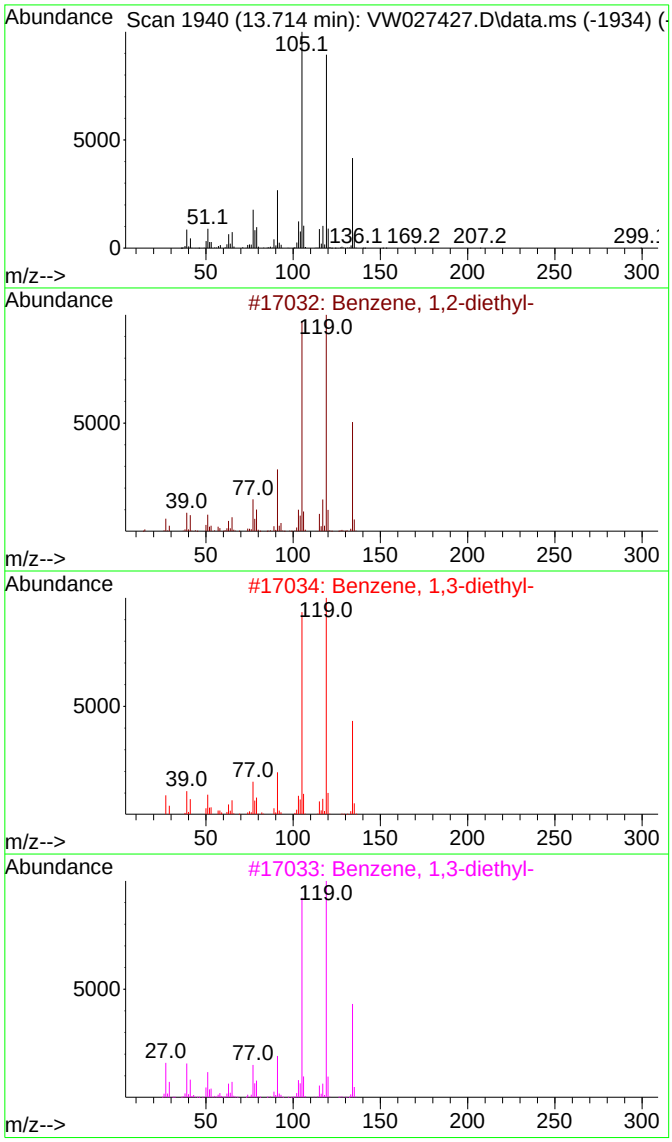
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

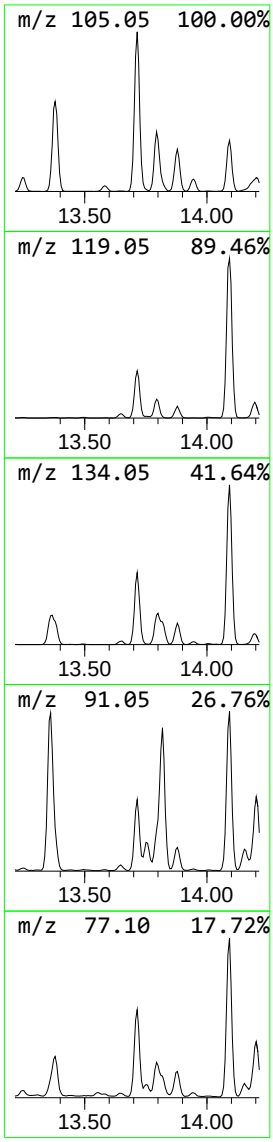
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 52 Benzene, 1,2-diethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.714 | 96.53 ug/L | 3463060 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 97 |
| 2 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 97 |
| 3 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 95 |
| 4 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 95 |
| 5 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

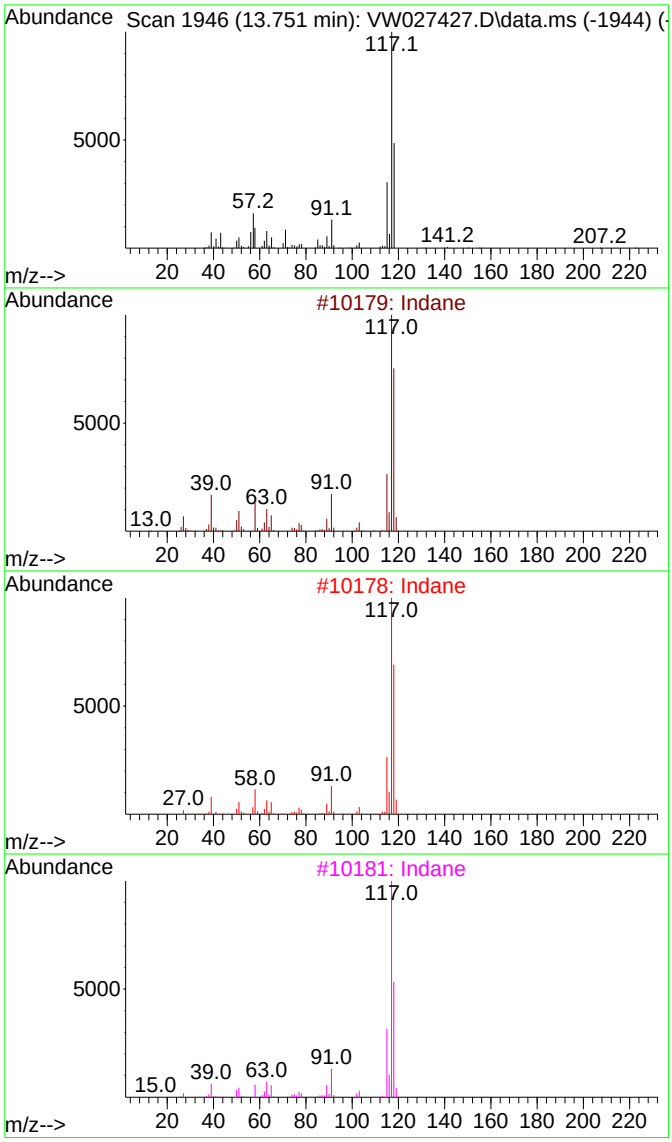
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

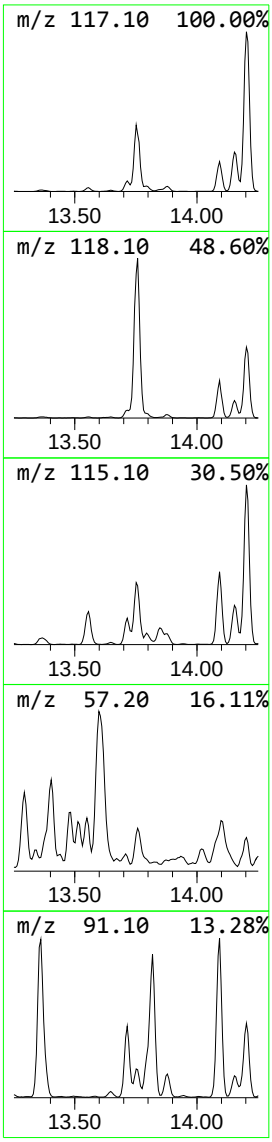
**********

Peak Number 53 Indane Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.751 | 29.27 ug/L | 1050140 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 60 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 55 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 55 |
| 4 | trans-Cinnamyl bromide | 196 | C9H9Br | 026146-77-0 | 53 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

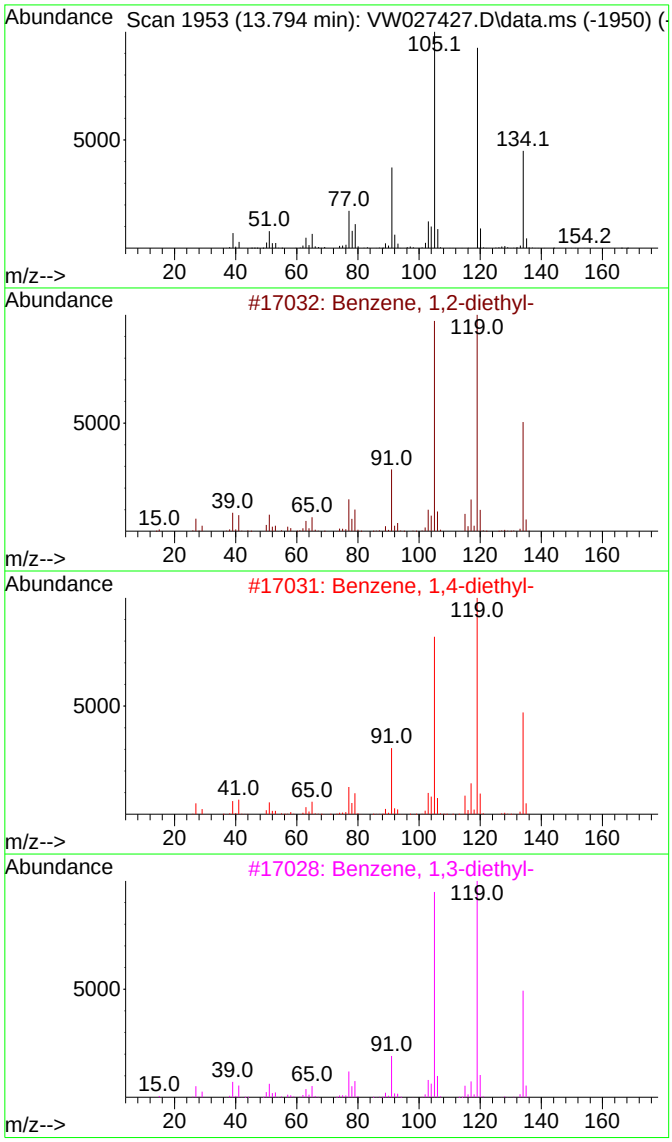
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

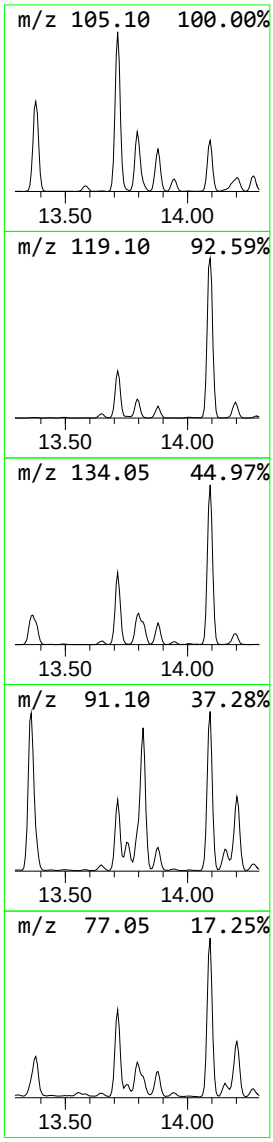
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 54 Benzene, 1,4-diethyl- Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.794 | 25.07 ug/L | 899252 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 91 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 91 |
| 3 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 90 |
| 4 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 90 |
| 5 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

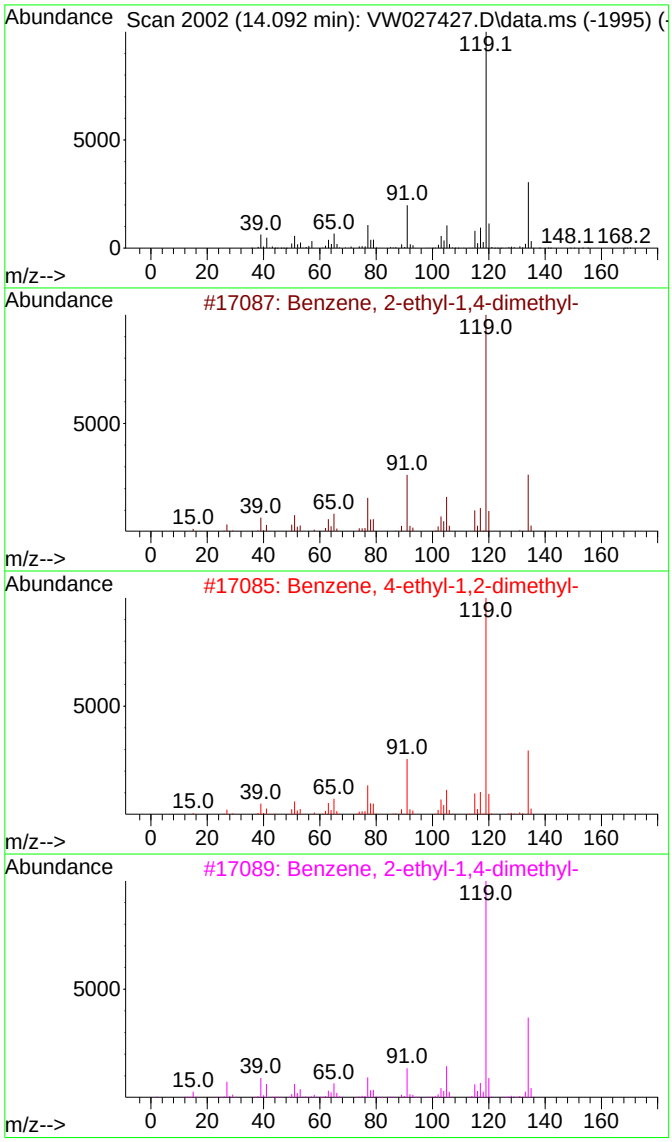
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

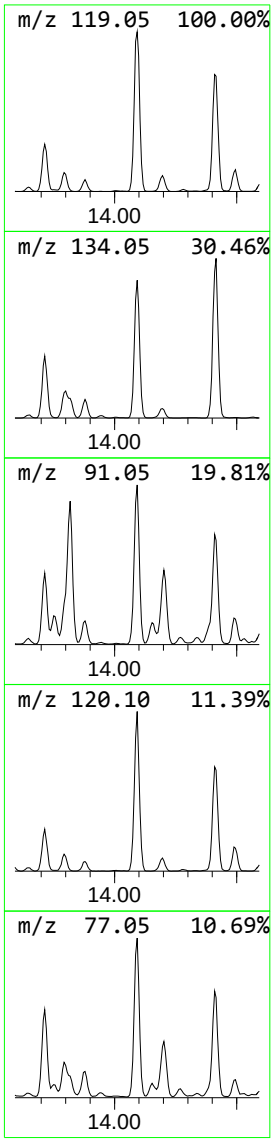
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 56 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.092 | 194.74 ug/L | 6986460 | 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 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

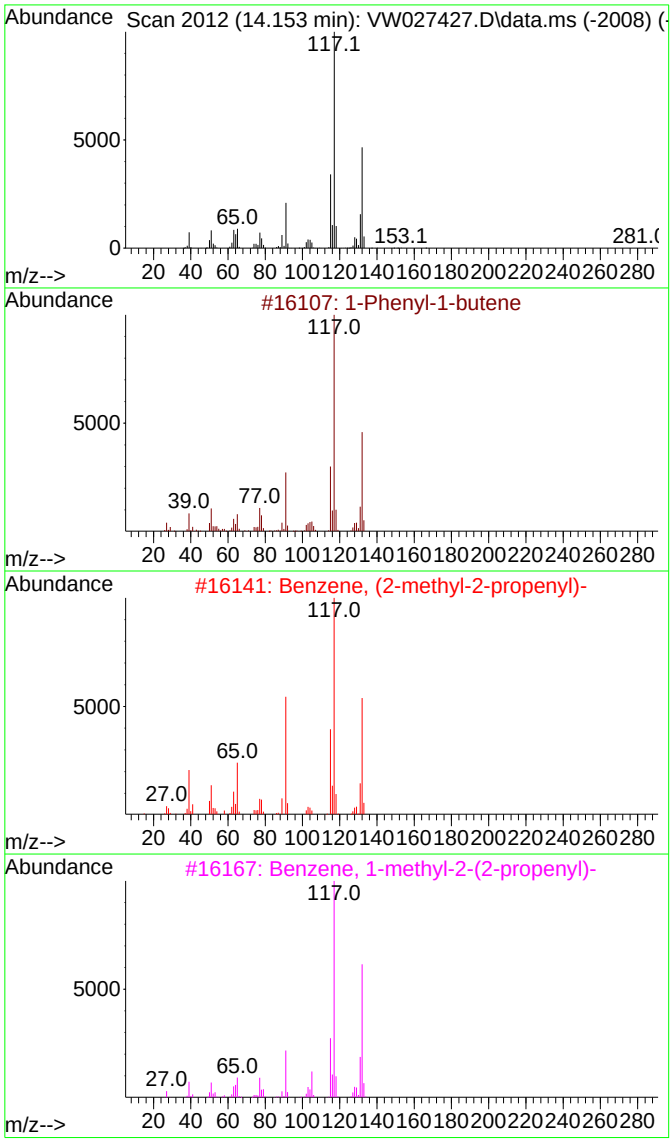
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

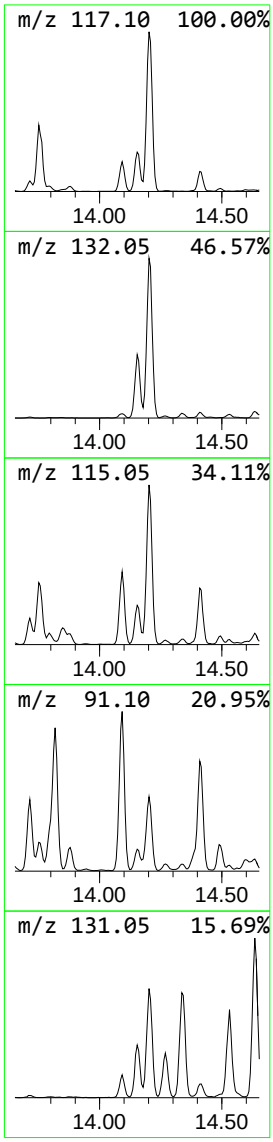
**********

Peak Number 57 1-Phenyl-1-butene Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.153 | 21.48 ug/L | 770505 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 94 |
| 2 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 94 |
| 3 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 94 |
| 4 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 93 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

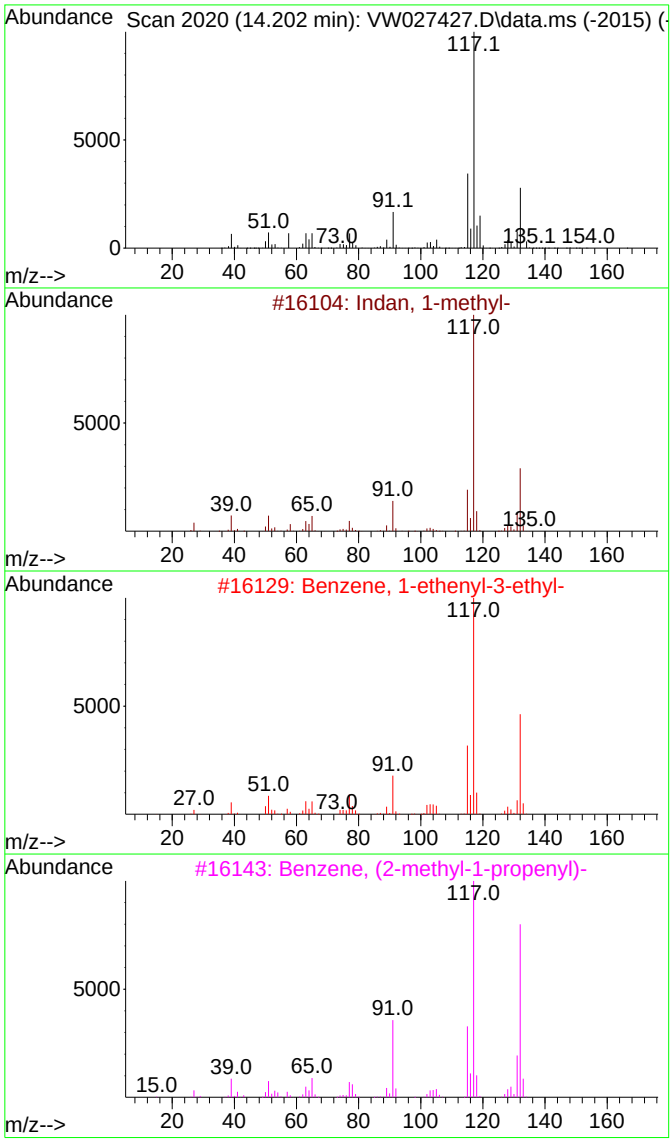
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

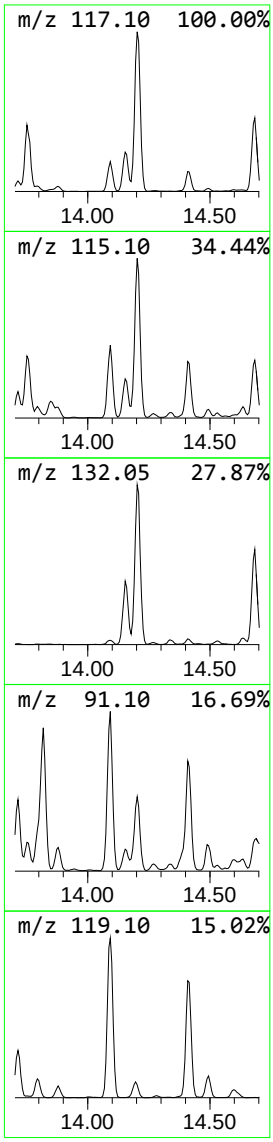
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 58 Indan, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.202 | 117.46 ug/L | 4213920 | 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, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 87 |
| 4 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

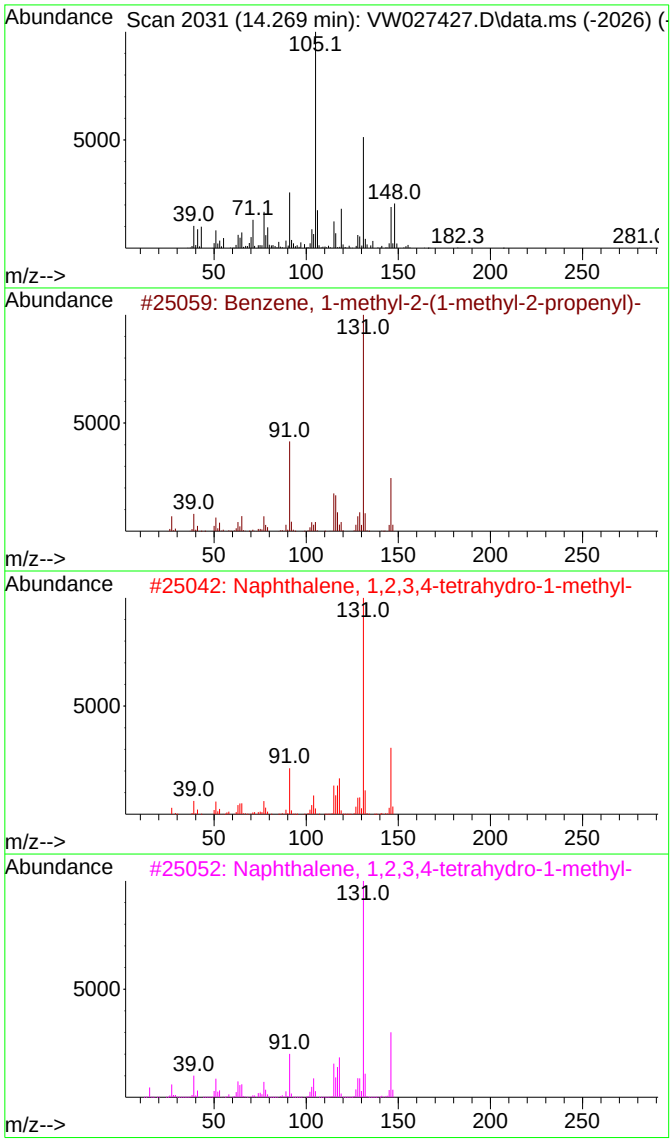
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

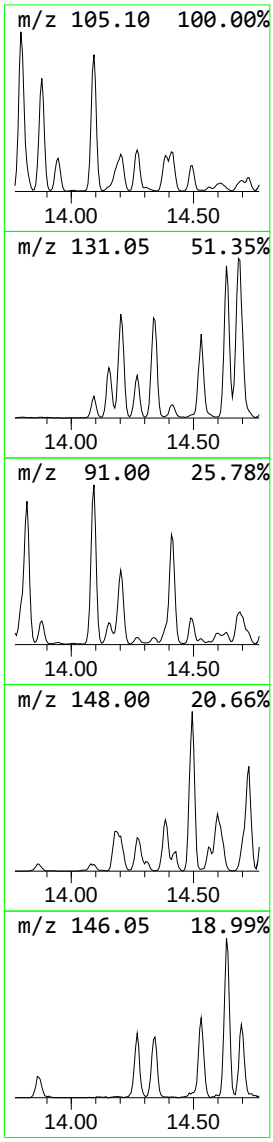
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 59 unknown-01 Concentration Rank 55

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.269 | 11.17 ug/L | 400657 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14 | 097664-19-2 | 49 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 45 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 45 |
| 4 | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14 | 001685-82-1 | 43 |
| 5 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

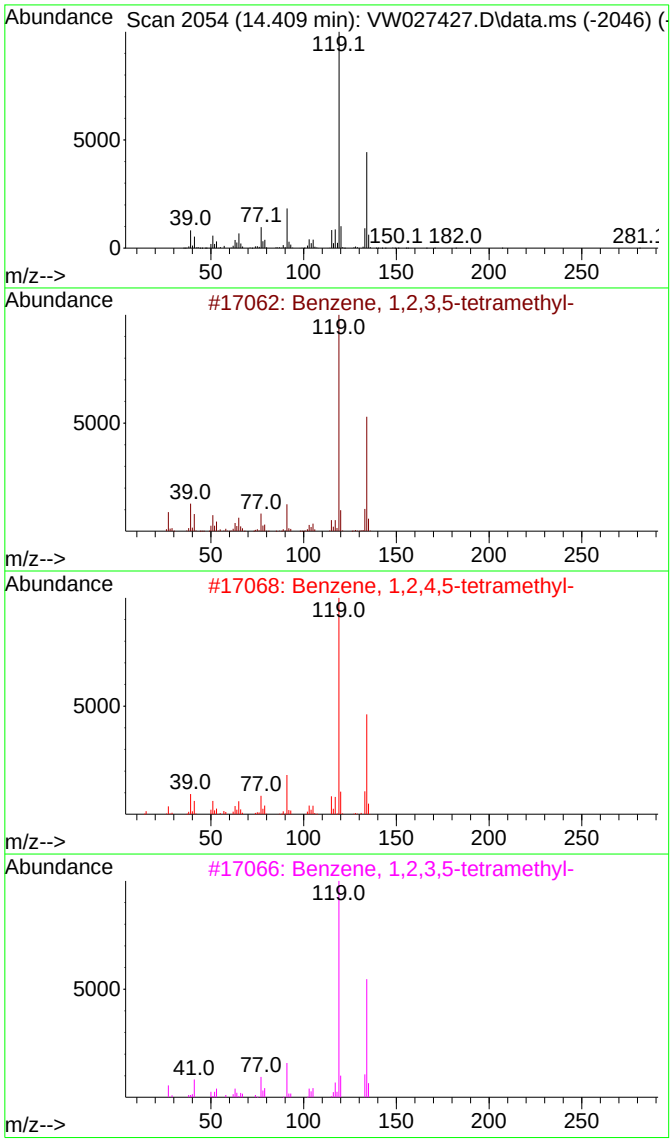
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

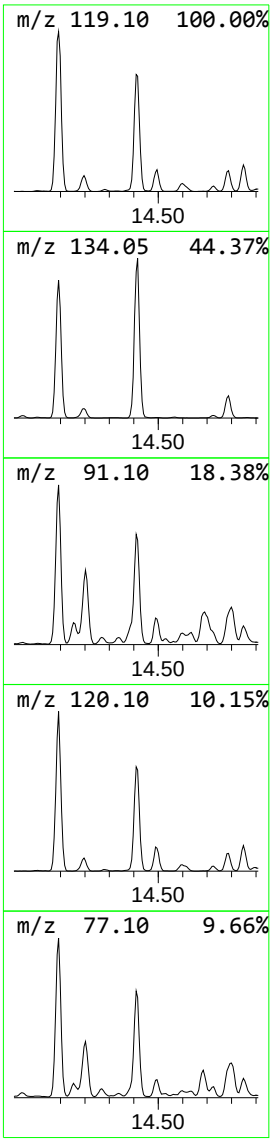
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 61 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.409 | 161.15 ug/L | 5781470 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

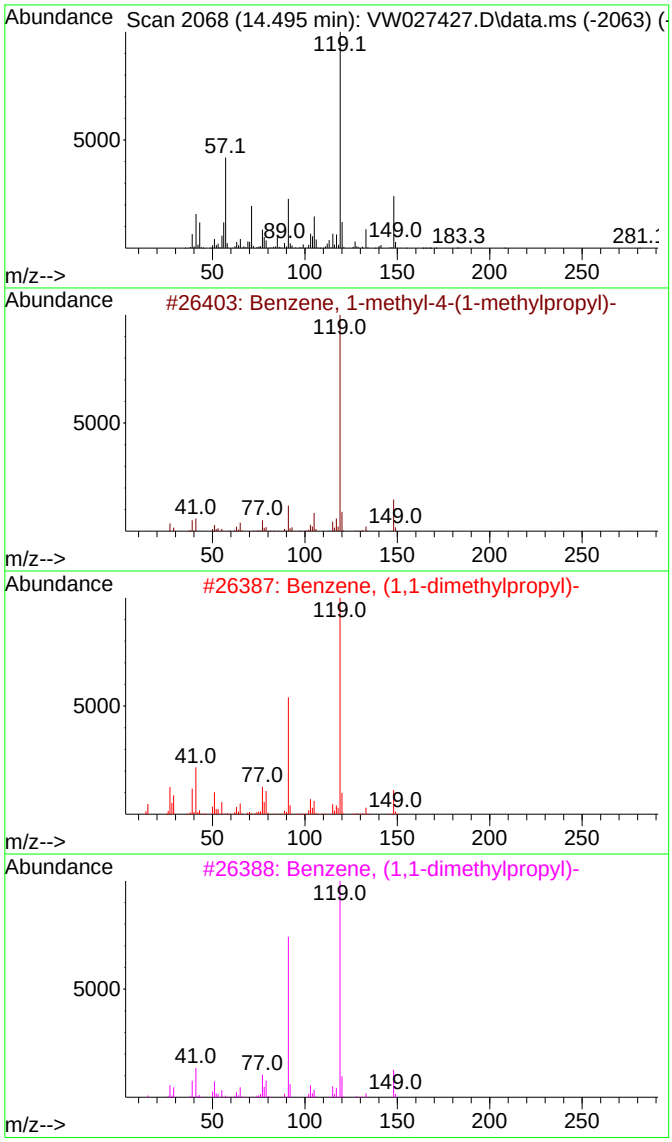
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

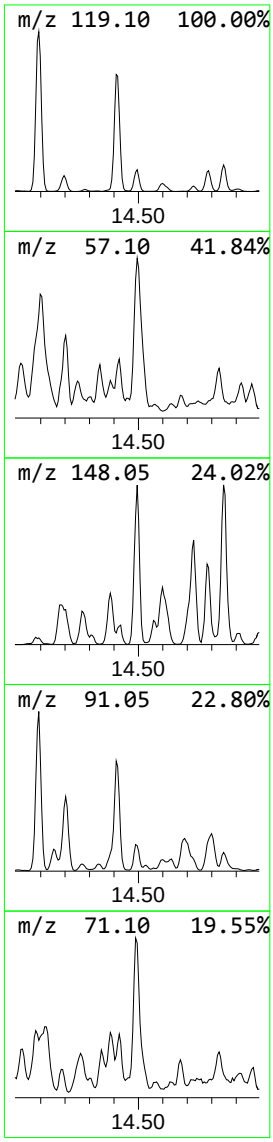
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 62 Benzene, 1-methyl-4-(1-meth... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.495 | 38.66 ug/L | 1387120 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16 | 001595-16-0 | 81 |
| 2 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 62 |
| 3 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 59 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 53 |
| 5 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

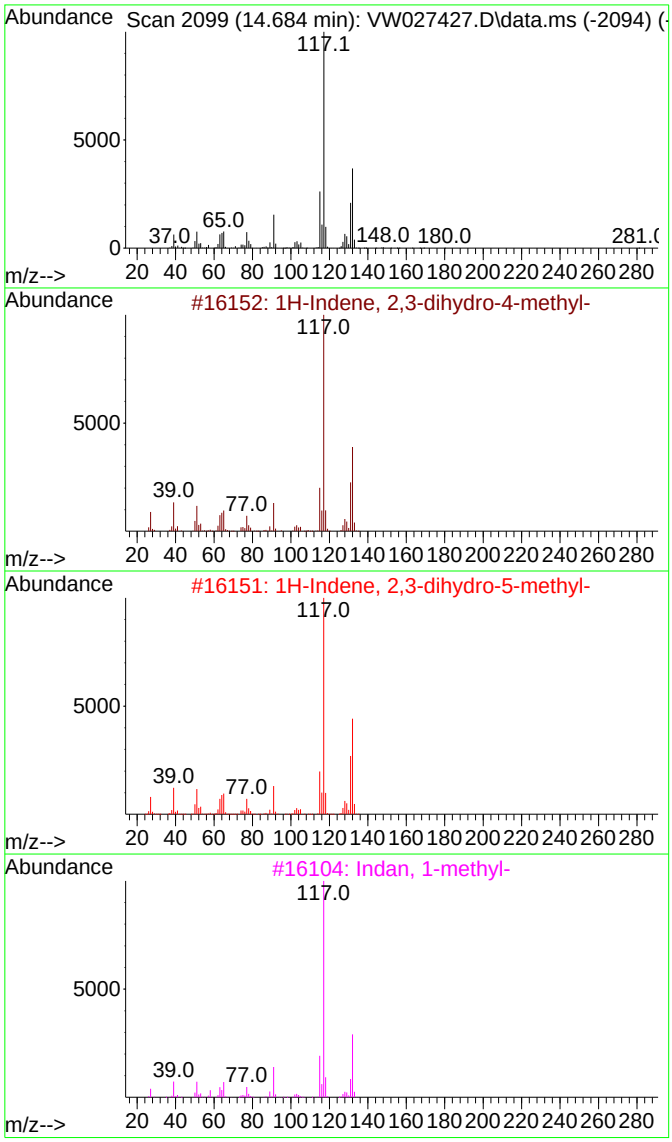
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

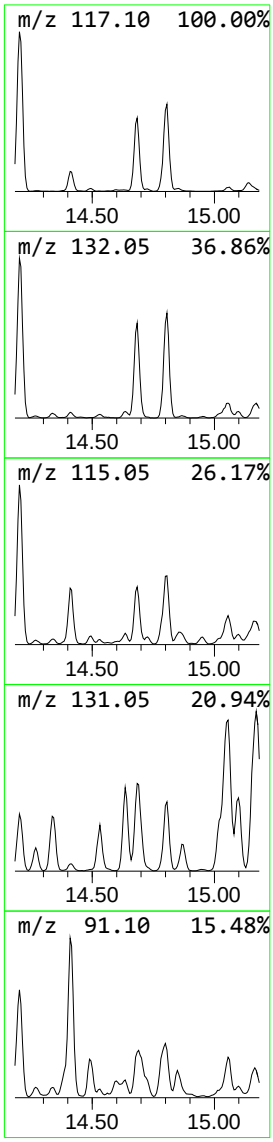
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 65 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.684 | 52.52 ug/L | 1884060 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 95 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 95 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 93 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

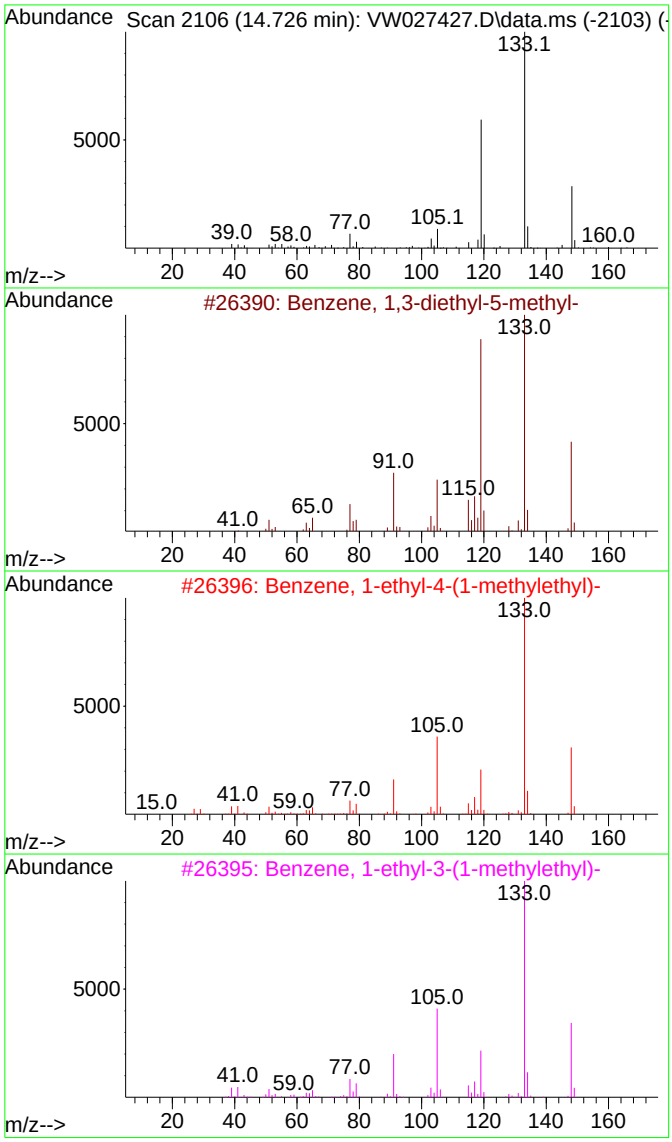
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

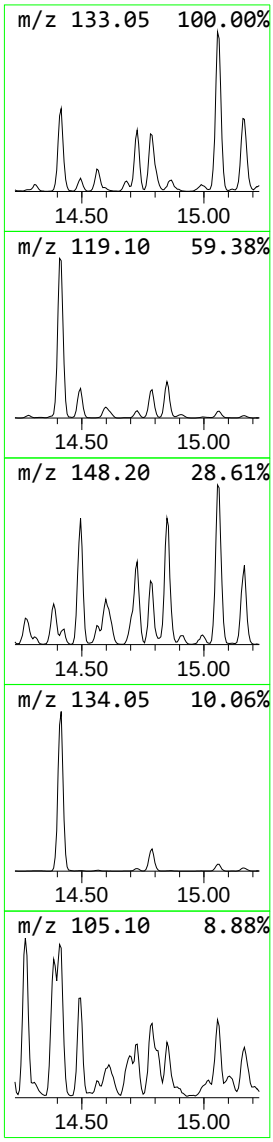
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 66 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 50

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.726 | 13.02 ug/L | 467153 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 64 |
| 2 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 59 |
| 3 | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16 | 004920-99-4 | 59 |
| 4 | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16 | 004706-89-2 | 58 |
| 5 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

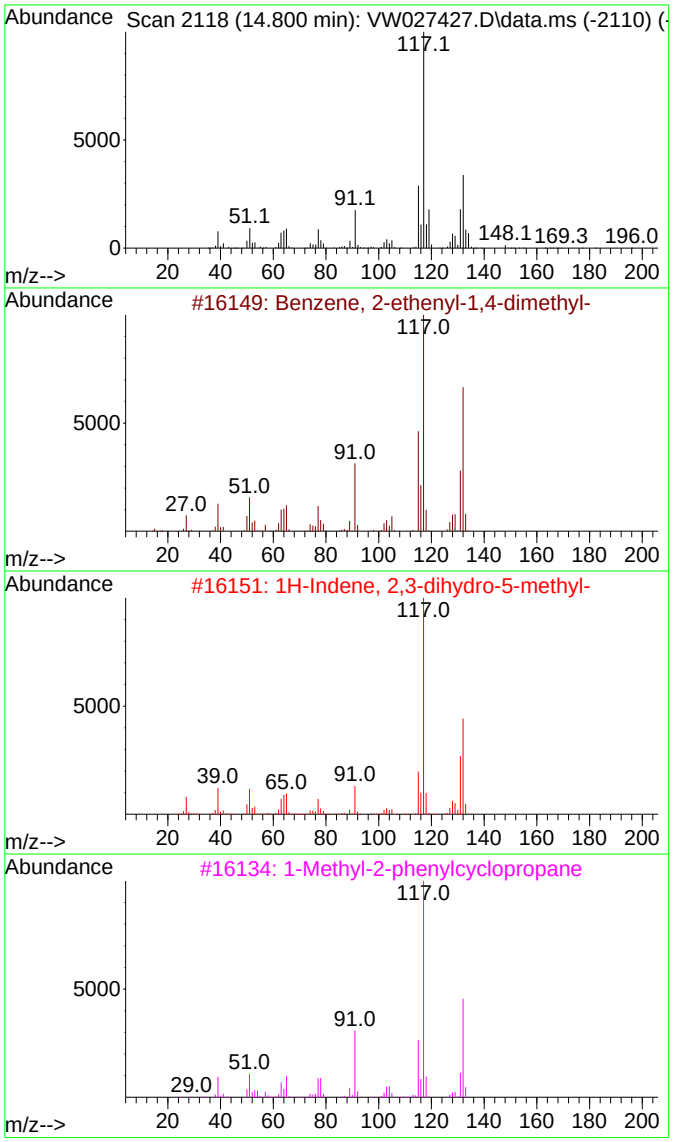
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

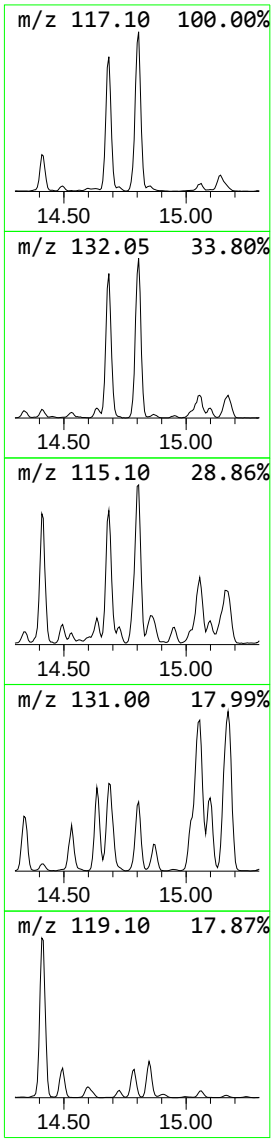
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 67 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.800 | 91.18 ug/L | 3271170 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 93 |
| 3 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 90 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 5 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

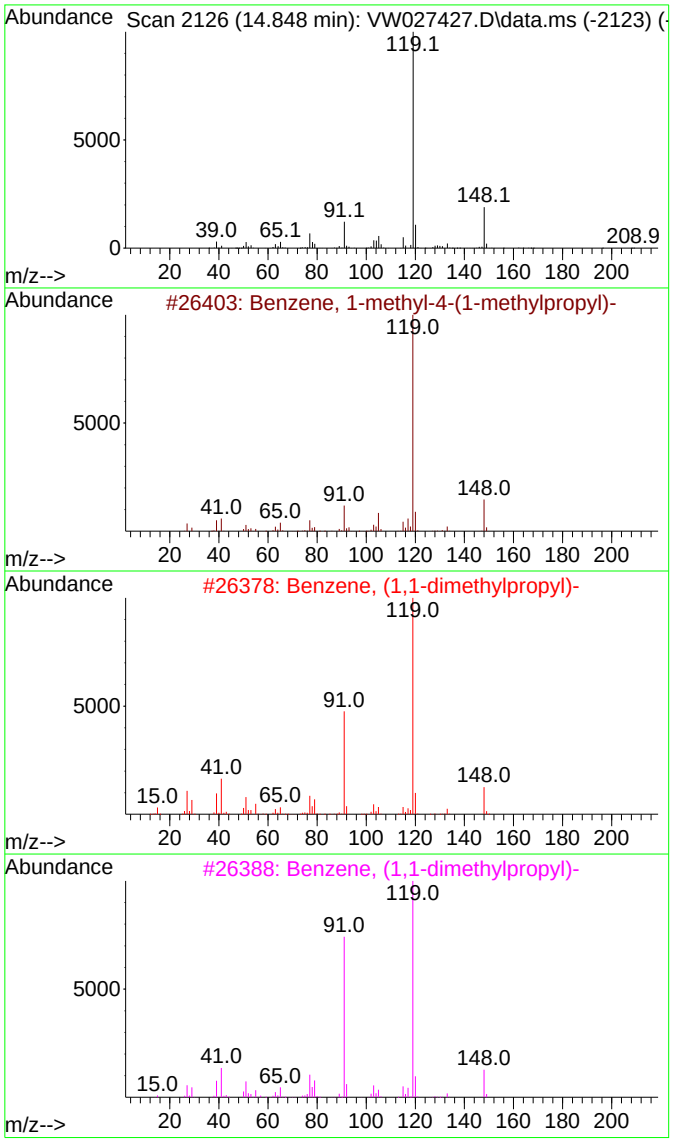
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

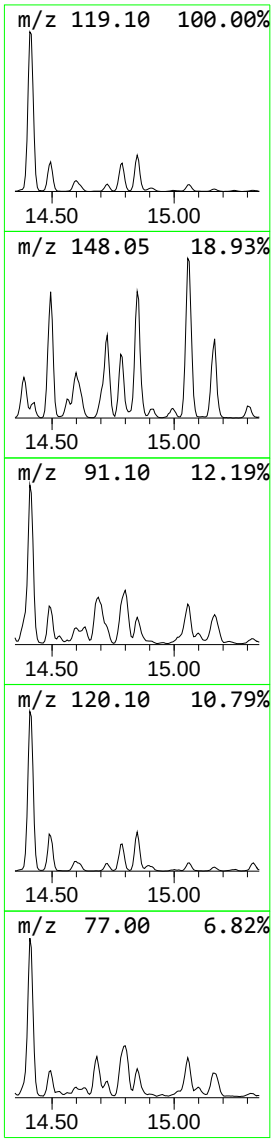
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 68 Benzene, (1,1-dimethylpropyl)- Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.848 | 26.44 ug/L | 948443 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16 | 001595-16-0 | 91 |
| 2 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 80 |
| 3 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 80 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 72 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

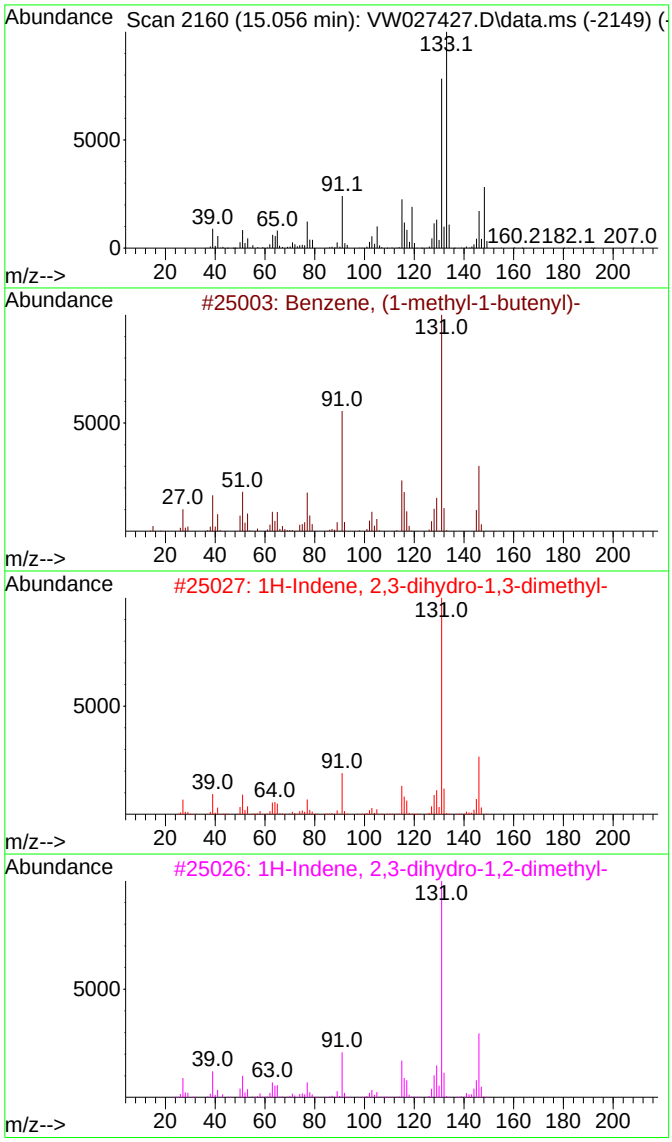
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

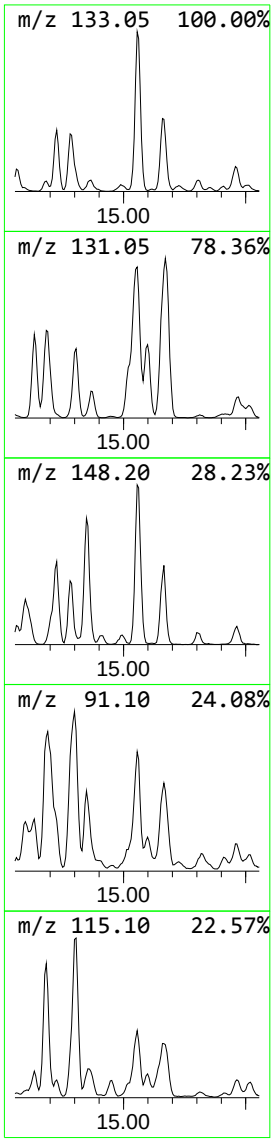
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 69 Benzene, (1-methyl-1-butenyl)- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.056 | 59.83 ug/L | 2146620 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 83 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 64 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 50 |
| 5 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

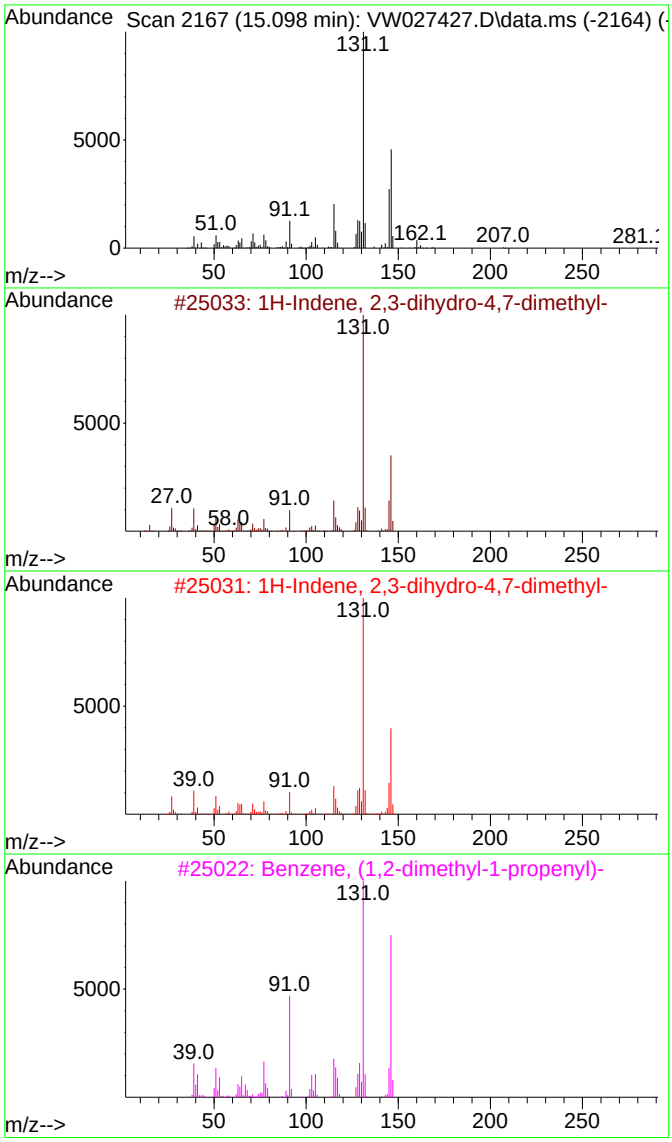
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

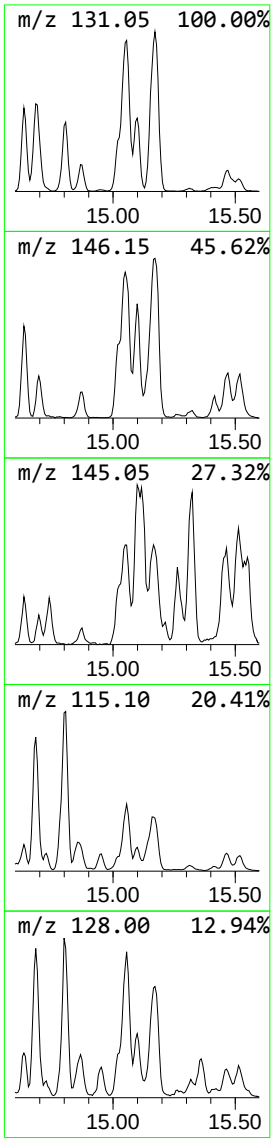
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 70 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.098 | 13.31 ug/L | 477399 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 91 |
| 3 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 91 |
| 4 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 90 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

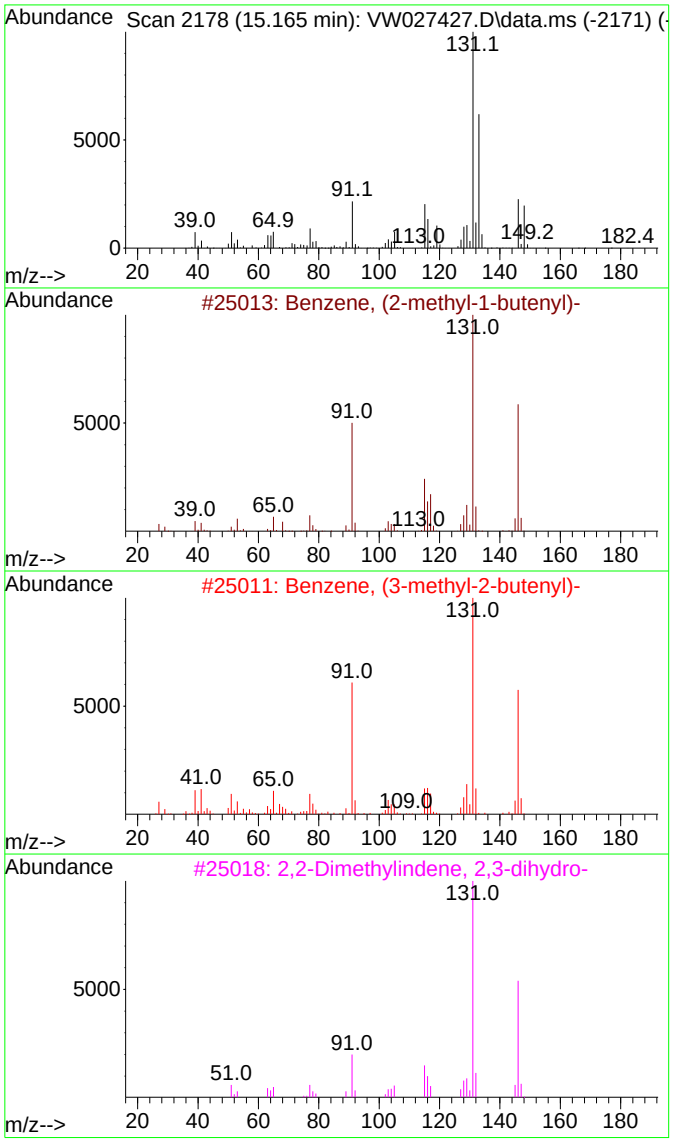
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

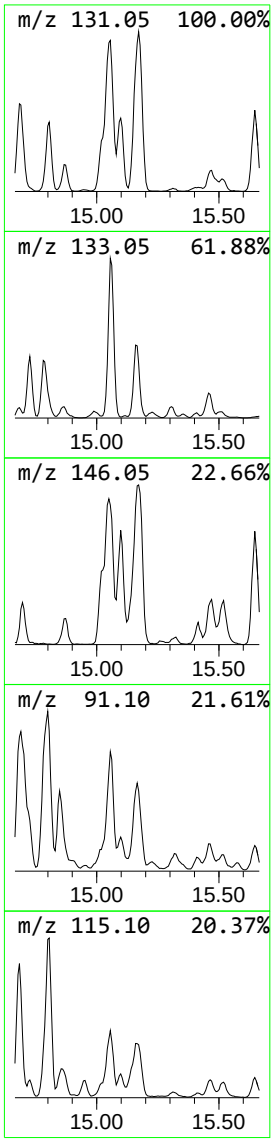
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 71 Benzene, (2-methyl-1-butenyl)- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.165 | 50.06 ug/L | 1795940 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 93 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 91 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 70 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 70 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

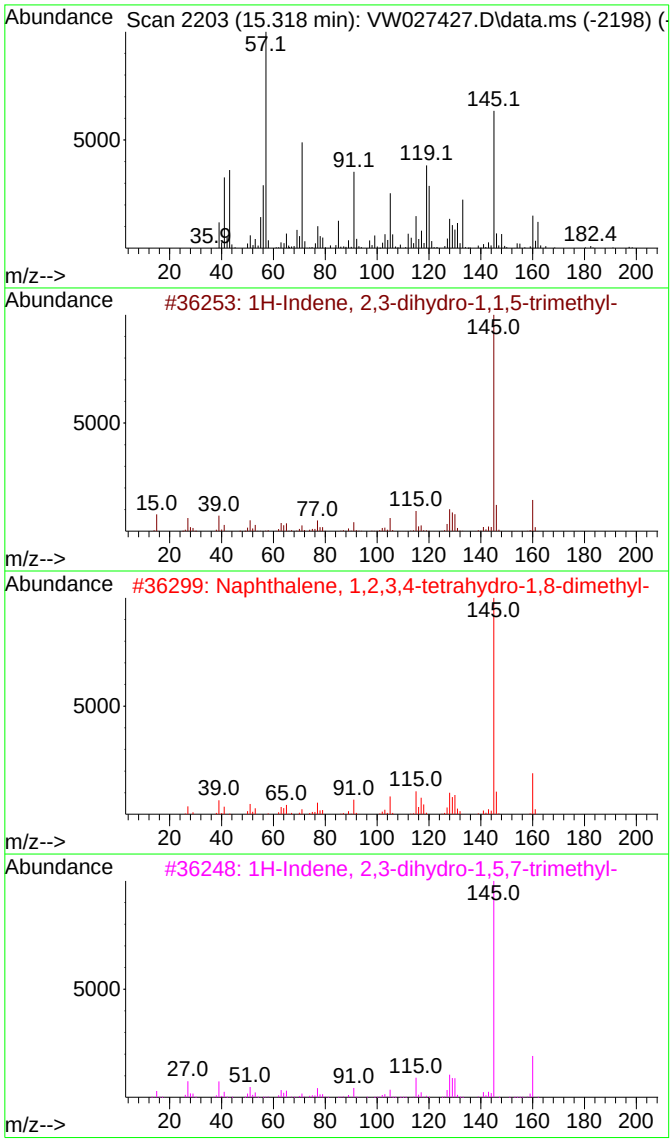
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

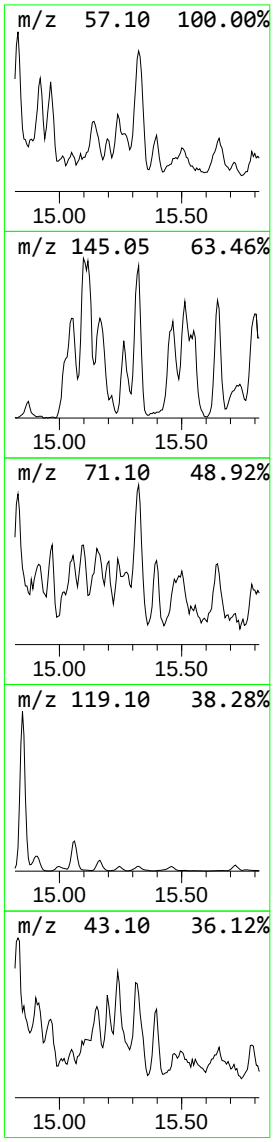
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 72 unknown-02 Concentration Rank 57

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.318 | 10.89 ug/L | 390751 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16 | 040650-41-7 | 47 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 025419-33-4 | 38 |
| 3 | 1H-Indene, 2,3-dihydro-1,5,7-tri... | 160 | C12H16 | 054340-88-4 | 38 |
| 4 | 1H-Indene, 2,3-dihydro-1,1,4-tri... | 160 | C12H16 | 016204-72-1 | 35 |
| 5 | 1H-Indene, 2,3-dihydro-1,4,7-tri... | 160 | C12H16 | 054340-87-3 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

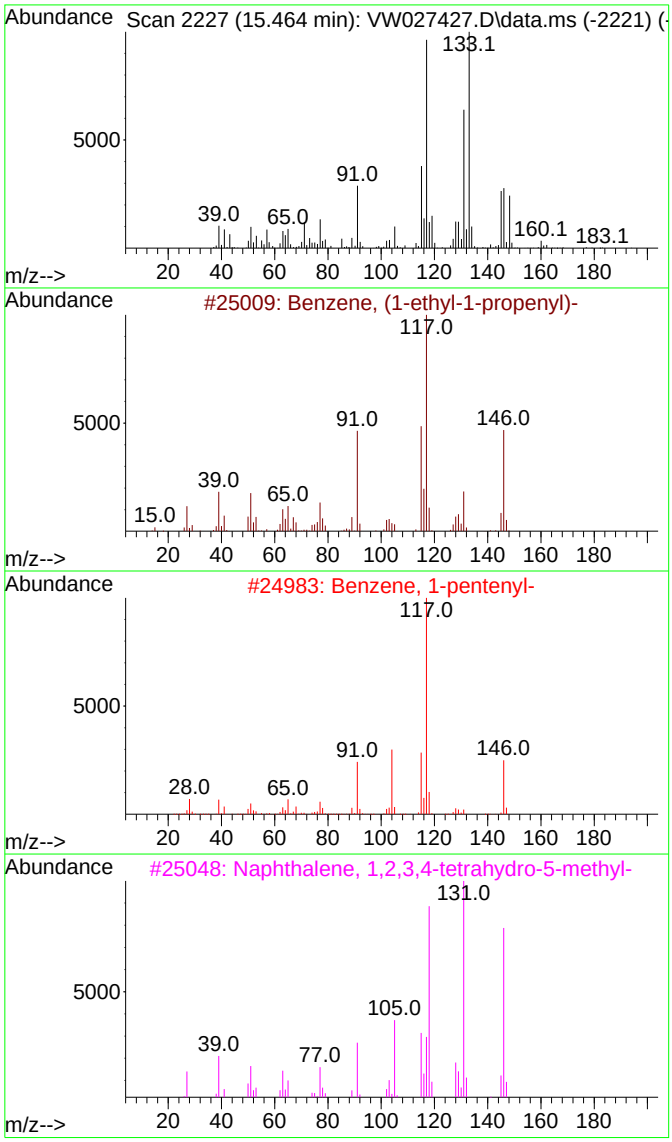
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

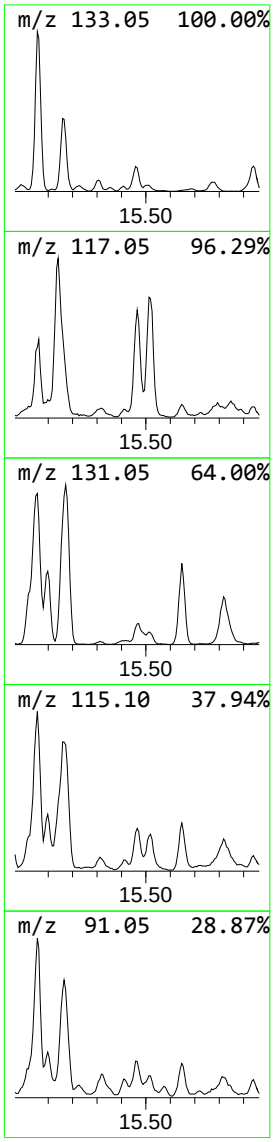
**********

Peak Number 73 unknown-03 Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.464 | 11.47 ug/L | 411400 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-ethyl-1-propenyl)- | 146 | C11H14 | 004701-36-4 | 42 |
| 2 | Benzene, 1-pentenyl- | 146 | C11H14 | 000826-18-6 | 38 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 35 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 35 |
| 5 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

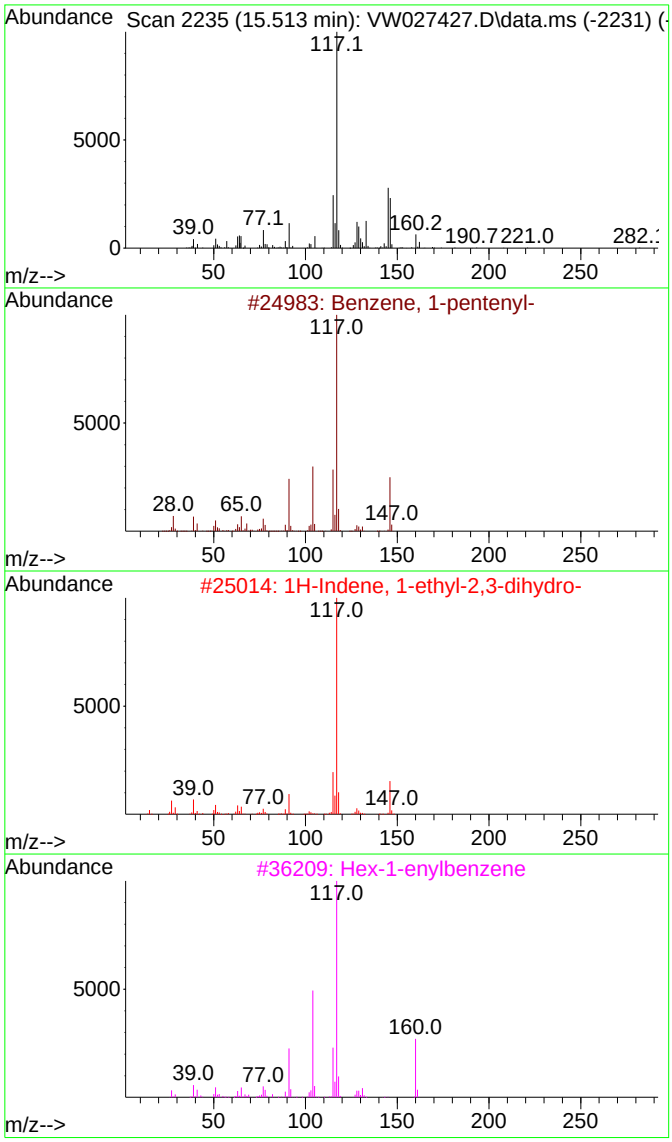
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

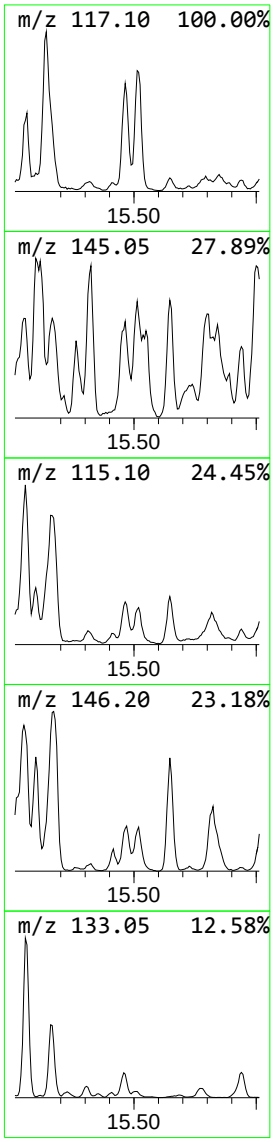
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 74 Benzene, 1-pentenyl- Concentration Rank 51

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.513 | 12.84 ug/L | 460570 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-pentenyl- | 146 | C11H14 | 000826-18-6 | 58 |
| 2 | 1H-Indene, 1-ethyl-2,3-dihydro- | 146 | C11H14 | 004830-99-3 | 53 |
| 3 | Hex-1-enylbenzene | 160 | C12H16 | 000828-15-9 | 50 |
| 4 | Cyclobutanone, 3-phenylmethyl- | 160 | C11H12O | 055262-02-7 | 47 |
| 5 | Indane-5-carboxylic acid | 162 | C10H10O2 | 065898-38-6 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

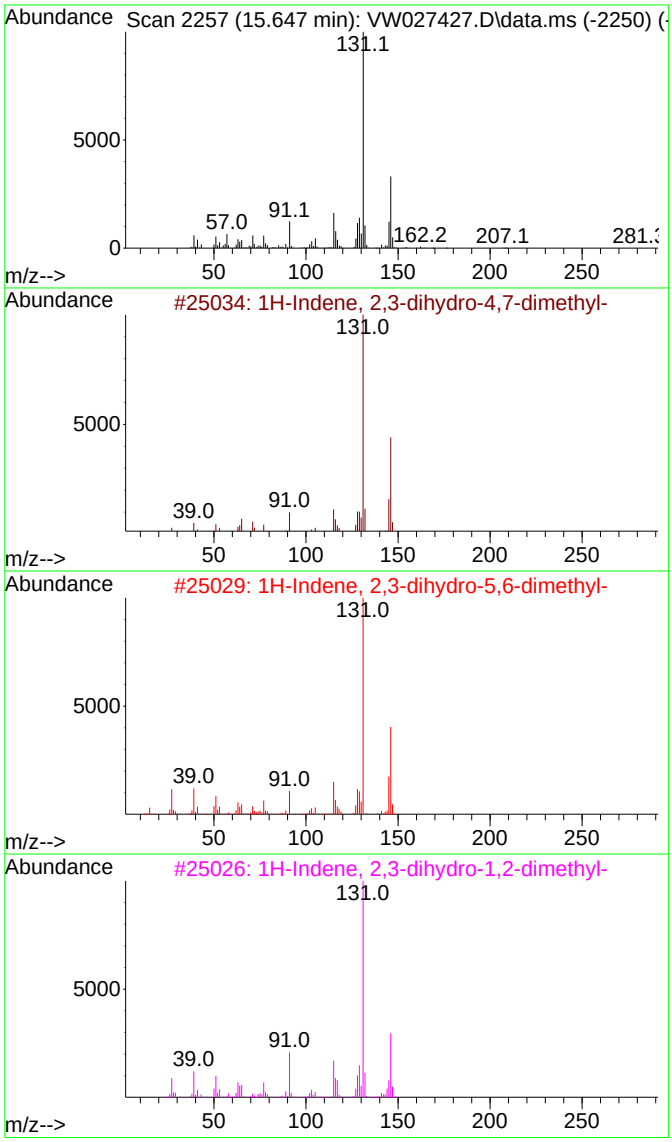
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

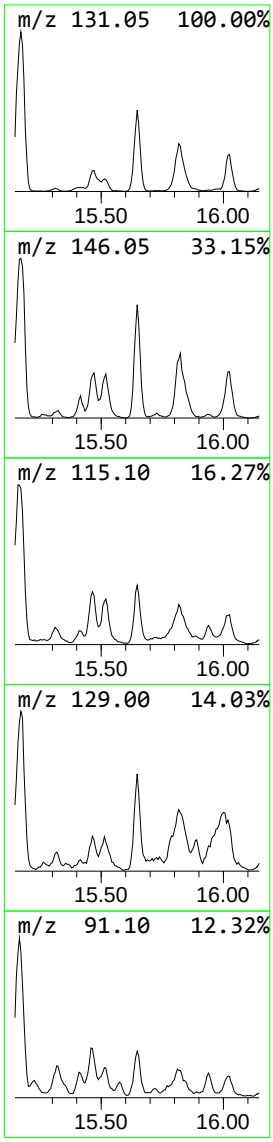
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 75 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.647 | 16.61 ug/L | 595759 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 94 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 94 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

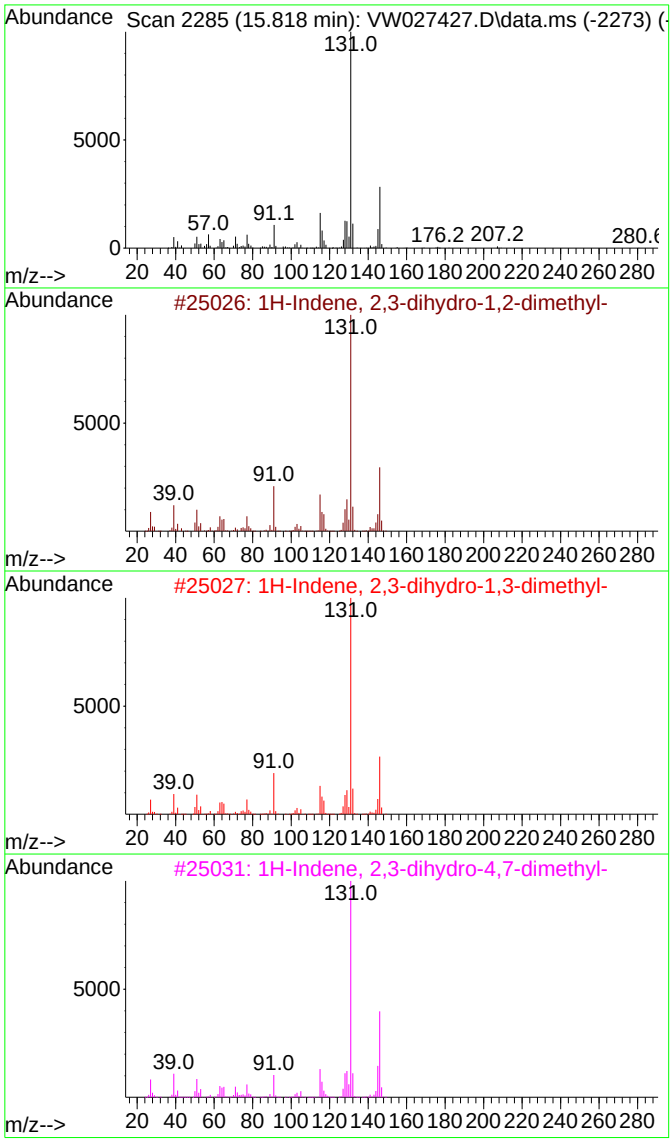
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

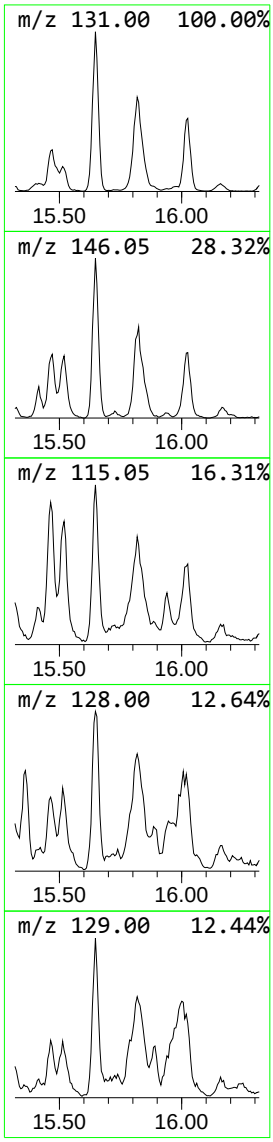
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 76 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.818 | 15.46 ug/L | 554549 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 91 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 91 |
| 4 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 91 |
| 5 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

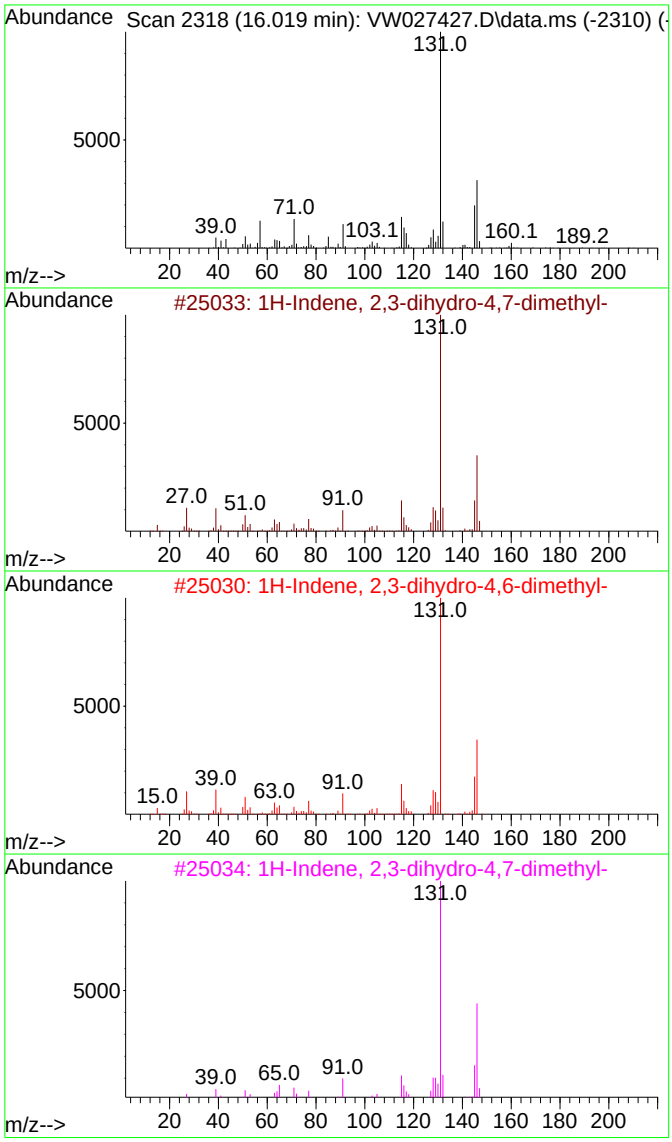
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

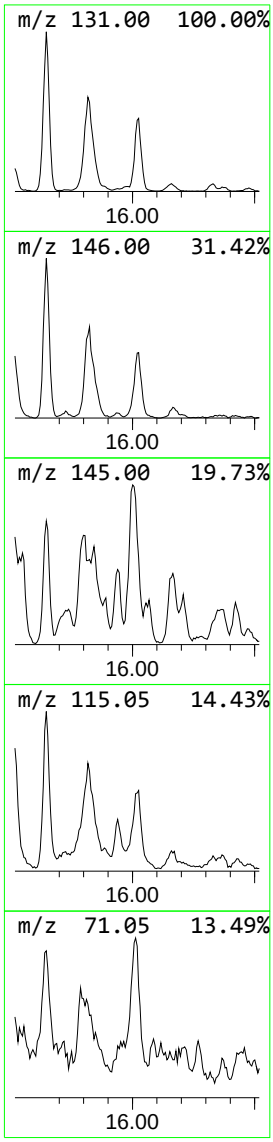
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 78 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 58

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.019 | 10.68 ug/L | 382981 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14 | 001685-82-1 | 90 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 90 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 90 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

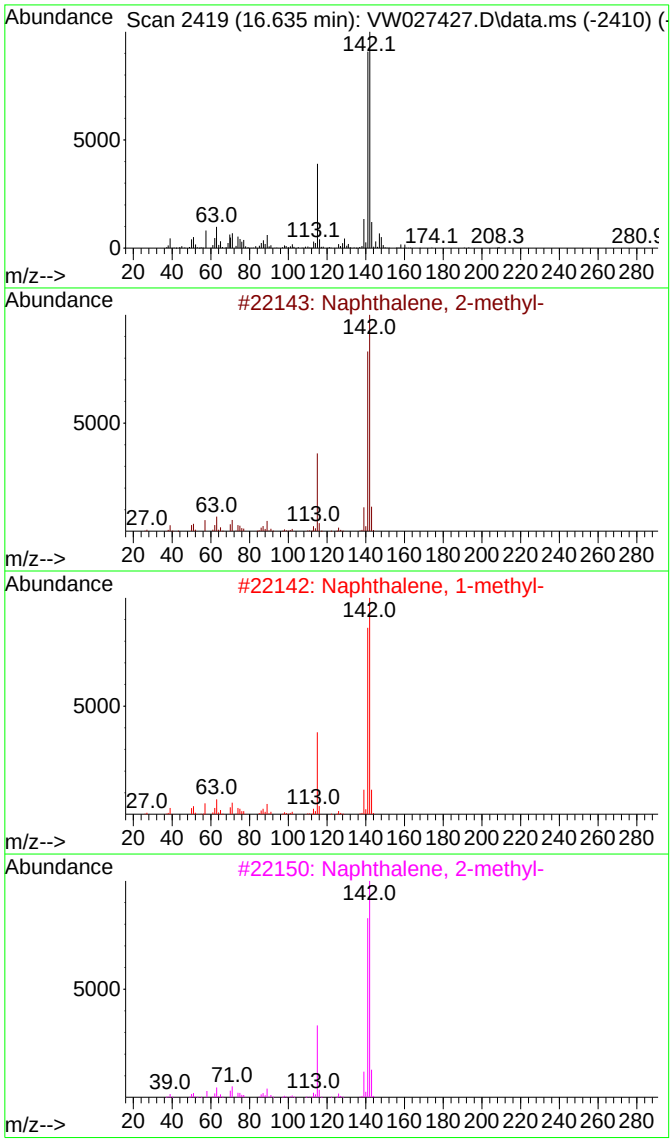
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

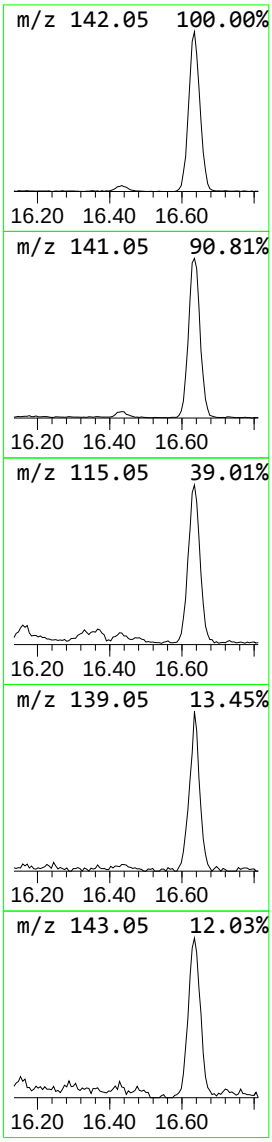
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 79 Naphthalene, 2-methyl- Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.635 | 10.97 ug/L | 393629 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 4 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 5 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027427.D
Acq On : 24 Oct 2023 19:21
Operator : SY/MD
Sample : 04961-11
Misc : 5.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.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... | 3.039 | 7.8 | ug/L | 529575 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 4.125 | 24.0 | ug/L | 1617640 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 4.911 | 158.2 | ug/L | 10679500 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 5.448 | 45.1 | ug/L | 3042960 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 6.728 | 7.9 | ug/L | 534204 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 6.880 | 162.3 | ug/L | 10958200 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 7.173 | 5.7 | ug/L | 382474 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 7.703 | 7.1 | ug/L | 478528 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 7.923 | 15.4 | ug/L | 1038200 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 8.039 | 351.7 | ug/L | 23742800 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 8.154 | 33.2 | ug/L | 2241030 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 8.484 | 750.7 | ug/L | 50672700 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 8.935 | 4.5 | ug/L | 303071 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 9.069 | 9.9 | ug/L | 665907 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 9.148 | 7.3 | ug/L | 494130 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 9.331 | 143.8 | ug/L | 9705480 | 1 | 8.843 | 1687520 | 25.0 |
| Hexane, 1-(hexy... | 9.386 | 132.1 | ug/L | 8918440 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 9.471 | 25.9 | ug/L | 1749890 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: C... | 9.611 | 36.3 | ug/L | 2450450 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 9.764 | 301.3 | ug/L | 20337900 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 9.898 | 344.1 | ug/L | 23228300 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 9.989 | 30.1 | ug/L | 2030910 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 10.093 | 92.9 | ug/L | 6271810 | 1 | 8.843 | 1687520 | 25.0 |
| (DEL) Alkane: S... | 10.252 | 95.2 | ug/L | 8123670 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: C... | 10.447 | 18.7 | ug/L | 1593060 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: C... | 10.489 | 12.0 | ug/L | 1022540 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: C... | 10.666 | 13.6 | ug/L | 1159200 | 2 | 11.629 | 2134130 | 25.0 |
| Cyclopentene, 1... | 10.745 | 70.4 | ug/L | 6011430 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 10.843 | 21.7 | ug/L | 1849470 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 11.032 | 55.2 | ug/L | 4709170 | 2 | 11.629 | 2134130 | 25.0 |
| Cyclohexane, 1-... | 11.099 | 6.0 | ug/L | 509616 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: C... | 11.142 | 8.8 | ug/L | 753612 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 11.227 | 8.9 | ug/L | 762266 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 11.337 | 12.3 | ug/L | 1050740 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 11.404 | 59.7 | ug/L | 5094470 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 11.507 | 35.4 | ug/L | 3025520 | 2 | 11.629 | 2134130 | 25.0 |
| Ethanone, 1-(1-... | 11.916 | 6.7 | ug/L | 571131 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 12.068 | 13.8 | ug/L | 1177890 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: C... | 12.135 | 14.0 | ug/L | 1197320 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 12.245 | 20.9 | ug/L | 1786230 | 2 | 11.629 | 2134130 | 25.0 |
| Pentalene, octa... | 12.331 | 17.4 | ug/L | 1481360 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 12.586 | 80.6 | ug/L | 6883230 | 2 | 11.629 | 2134130 | 25.0 |
| (DEL) Alkane: S... | 12.751 | 41.3 | ug/L | 1480840 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, propyl- | 12.800 | 188.4 | ug/L | 6759200 | 3 | 13.556 | 896895 | 25.0 |
| (DEL) Alkane: S... | 13.074 | 8.2 | ug/L | 295755 | 3 | 13.556 | 896895 | 25.0 |
| (DEL) Alkane: S... | 13.129 | 8.5 | ug/L | 303360 | 3 | 13.556 | 896895 | 25.0 |
| (DEL) Alkane: S... | 13.190 | 32.3 | ug/L | 1160060 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, (2-met... | 13.367 | 90.5 | ug/L | 3244990 | 3 | 13.556 | 896895 | 25.0 |
| (DEL) Alkane: S... | 13.483 | 9.8 | ug/L | 350901 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, 1,2-di... | 13.714 | 96.5 | ug/L | 3463060 | 3 | 13.556 | 896895 | 25.0 |
| Indane | 13.751 | 29.3 | ug/L | 1050140 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, 1,4-di... | 13.794 | 25.1 | ug/L | 899252 | 3 | 13.556 | 896895 | 25.0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Benzene, 2-ethy... | 14.092 | 194.7 | ug/L | 6986460 | 3 | 13.556 | 896895 | 25.0 |
| 1-Phenyl-1-butene | 14.153 | 21.5 | ug/L | 770505 | 3 | 13.556 | 896895 | 25.0 |
| Indan, 1-methyl- | 14.202 | 117.5 | ug/L | 4213920 | 3 | 13.556 | 896895 | 25.0 |
| unknown-01 | 14.269 | 11.2 | ug/L | 400657 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, 1,2,3,... | 14.409 | 161.2 | ug/L | 5781470 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, 1-meth... | 14.495 | 38.7 | ug/L | 1387120 | 3 | 13.556 | 896895 | 25.0 |
| 1H-Indene, 2,3-... | 14.684 | 52.5 | ug/L | 1884060 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, 1,3-di... | 14.726 | 13.0 | ug/L | 467153 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, 2-ethe... | 14.800 | 91.2 | ug/L | 3271170 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, (1,1-d... | 14.848 | 26.4 | ug/L | 948443 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, (1-met... | 15.056 | 59.8 | ug/L | 2146620 | 3 | 13.556 | 896895 | 25.0 |
| 1H-Indene, 2,3-... | 15.098 | 13.3 | ug/L | 477399 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, (2-met... | 15.165 | 50.1 | ug/L | 1795940 | 3 | 13.556 | 896895 | 25.0 |
| unknown-02 | 15.318 | 10.9 | ug/L | 390751 | 3 | 13.556 | 896895 | 25.0 |
| unknown-03 | 15.464 | 11.5 | ug/L | 411400 | 3 | 13.556 | 896895 | 25.0 |
| Benzene, 1-pent... | 15.513 | 12.8 | ug/L | 460570 | 3 | 13.556 | 896895 | 25.0 |
| 1H-Indene, 2,3-... | 15.647 | 16.6 | ug/L | 595759 | 3 | 13.556 | 896895 | 25.0 |
| 1H-Indene, 2,3-... | 15.818 | 15.5 | ug/L | 554549 | 3 | 13.556 | 896895 | 25.0 |
| 1H-Indene, 2,3-... | 16.019 | 10.7 | ug/L | 382981 | 3 | 13.556 | 896895 | 25.0 |
| Naphthalene, 2-... | 16.635 | 11.0 | ug/L | 393629 | 3 | 13.556 | 896895 | 25.0 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
E0LJ5