

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032123\  
 Data File : VW025458.D  
 Acq On : 21 Mar 2023 11:05  
 Operator : SY/MD  
 Sample : 01979-17  
 Misc : 5.67g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EYGC8

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\SFAMWLM030623SMA.M  
 Title : SFAM01.0

Signal : TIC: VW025458.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.363       | 72            | 78          | 92           | rVB      | 124790         | 304123        | 7.99%           | 1.086%        |
| 2         | 2.497       | 96            | 100         | 109          | rBV      | 19013          | 43109         | 1.13%           | 0.154%        |
| 3         | 2.899       | 159           | 166         | 184          | rVB      | 121857         | 351692        | 9.24%           | 1.256%        |
| 4         | 3.247       | 219           | 223         | 225          | rBV5     | 1893           | 2368          | 0.06%           | 0.008%        |
| 5         | 3.320       | 233           | 235         | 238          | rVB4     | 1948           | 1985          | 0.05%           | 0.007%        |
| 6         | 3.393       | 243           | 247         | 254          | rVB8     | 5075           | 11127         | 0.29%           | 0.040%        |
| 7         | 3.582       | 275           | 278         | 280          | rVB4     | 1704           | 2041          | 0.05%           | 0.007%        |
| 8         | 3.680       | 291           | 294         | 297          | rVB5     | 2338           | 2596          | 0.07%           | 0.009%        |
| 9         | 3.863       | 320           | 324         | 327          | rBV6     | 1862           | 2070          | 0.05%           | 0.007%        |
| 10        | 4.021       | 339           | 350         | 361          | rBV      | 352737         | 1087344       | 28.57%          | 3.882%        |
| 11        | 4.119       | 362           | 366         | 379          | rVB      | 66919          | 170037        | 4.47%           | 0.607%        |
| 12        | 4.442       | 416           | 419         | 421          | rVB4     | 2300           | 2061          | 0.05%           | 0.007%        |
| 13        | 4.521       | 430           | 432         | 436          | rVB5     | 1497           | 1954          | 0.05%           | 0.007%        |
| 14        | 4.570       | 436           | 440         | 442          | rBV5     | 1807           | 2661          | 0.07%           | 0.010%        |
| 15        | 4.679       | 448           | 458         | 468          | rBV2     | 13437          | 44148         | 1.16%           | 0.158%        |
| 16        | 4.917       | 488           | 497         | 506          | rBV2     | 13829          | 47174         | 1.24%           | 0.168%        |
| 17        | 5.161       | 528           | 537         | 543          | rBV4     | 8664           | 23731         | 0.62%           | 0.085%        |
| 18        | 5.246       | 549           | 551         | 554          | rVB4     | 2542           | 2415          | 0.06%           | 0.009%        |
| 19        | 5.405       | 572           | 577         | 584          | rBV4     | 2092           | 5630          | 0.15%           | 0.020%        |
| 20        | 5.777       | 635           | 638         | 639          | rBV3     | 4011           | 4498          | 0.12%           | 0.016%        |
| 21        | 5.935       | 658           | 664         | 665          | rBV6     | 5079           | 7171          | 0.19%           | 0.026%        |
| 22        | 6.112       | 686           | 693         | 694          | rBV6     | 2494           | 4425          | 0.12%           | 0.016%        |
| 23        | 6.307       | 721           | 725         | 727          | rBV5     | 1483           | 2134          | 0.06%           | 0.008%        |
| 24        | 6.386       | 734           | 738         | 739          | rBV4     | 2205           | 3090          | 0.08%           | 0.011%        |
| 25        | 6.679       | 782           | 786         | 789          | rBV6     | 1677           | 2063          | 0.05%           | 0.007%        |
| 26        | 6.905       | 815           | 823         | 831          | rBV4     | 9449           | 28961         | 0.76%           | 0.103%        |
| 27        | 7.075       | 843           | 851         | 865          | rBV      | 136565         | 407003        | 10.69%          | 1.453%        |
| 28        | 7.331       | 890           | 893         | 894          | rBV3     | 1941           | 2112          | 0.06%           | 0.008%        |
| 29        | 7.648       | 932           | 945         | 959          | rBV      | 627411         | 1530277       | 40.20%          | 5.464%        |
| 30        | 7.856       | 976           | 979         | 981          | rBV4     | 1471           | 1931          | 0.05%           | 0.007%        |
| 31        | 7.959       | 994           | 996         | 1000         | rVB5     | 2772           | 2140          | 0.06%           | 0.008%        |
| 32        | 8.069       | 1010          | 1014        | 1016         | rBV5     | 1372           | 2253          | 0.06%           | 0.008%        |
| 33        | 8.276       | 1037          | 1048        | 1064         | rBV2     | 1289970        | 3806255       | 100.00%         | 13.591%       |
| 34        | 8.551       | 1088          | 1093        | 1098         | rVV5     | 9457           | 18163         | 0.48%           | 0.065%        |
| 35        | 8.593       | 1098          | 1100        | 1103         | rVV4     | 2666           | 2531          | 0.07%           | 0.009%        |
| 36        | 8.703       | 1111          | 1118        | 1124         | rBV3     | 8649           | 21987         | 0.58%           | 0.079%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |       |         |         |        |         |
|----|--------|------|------|------|-------|---------|---------|--------|---------|
| 37 | 8.843  | 1131 | 1141 | 1154 | rBV   | 1255272 | 2501806 | 65.73% | 8.933%  |
| 38 | 9.081  | 1175 | 1180 | 1182 | rBV6  | 3770    | 5581    | 0.15%  | 0.020%  |
| 39 | 9.276  | 1202 | 1212 | 1223 | rBV   | 903406  | 1862808 | 48.94% | 6.651%  |
| 40 | 9.410  | 1228 | 1234 | 1245 | rVB   | 33510   | 69423   | 1.82%  | 0.248%  |
| 41 | 9.837  | 1301 | 1304 | 1308 | rBV6  | 1317    | 2175    | 0.06%  | 0.008%  |
| 42 | 10.032 | 1328 | 1336 | 1346 | rBV   | 500329  | 907407  | 23.84% | 3.240%  |
| 43 | 10.325 | 1375 | 1384 | 1392 | rBV   | 1792365 | 3161118 | 83.05% | 11.287% |
| 44 | 10.575 | 1419 | 1425 | 1432 | rBV   | 324236  | 555933  | 14.61% | 1.985%  |
| 45 | 10.703 | 1439 | 1446 | 1453 | rVB   | 50471   | 94215   | 2.48%  | 0.336%  |
| 46 | 10.855 | 1468 | 1471 | 1474 | rBV5  | 2900    | 4293    | 0.11%  | 0.015%  |
| 47 | 10.922 | 1476 | 1482 | 1498 | rVV   | 508600  | 875381  | 23.00% | 3.126%  |
| 48 | 11.069 | 1500 | 1506 | 1514 | rVB   | 122687  | 201612  | 5.30%  | 0.720%  |
| 49 | 11.495 | 1573 | 1576 | 1577 | rBV3  | 2140    | 1970    | 0.05%  | 0.007%  |
| 50 | 11.629 | 1590 | 1598 | 1607 | rBV   | 1774303 | 2906047 | 76.35% | 10.376% |
| 51 | 11.843 | 1628 | 1633 | 1639 | rBV9  | 5107    | 11560   | 0.30%  | 0.041%  |
| 52 | 11.940 | 1646 | 1649 | 1658 | rVB10 | 8903    | 18196   | 0.48%  | 0.065%  |
| 53 | 12.166 | 1681 | 1686 | 1688 | rBV6  | 3278    | 5343    | 0.14%  | 0.019%  |
| 54 | 12.239 | 1694 | 1698 | 1702 | rBV7  | 4698    | 7177    | 0.19%  | 0.026%  |
| 55 | 12.294 | 1706 | 1707 | 1710 | rVV3  | 1903    | 2290    | 0.06%  | 0.008%  |
| 56 | 12.337 | 1710 | 1714 | 1725 | rVB4  | 18285   | 33380   | 0.88%  | 0.119%  |
| 57 | 12.452 | 1731 | 1733 | 1741 | rVB7  | 3170    | 5343    | 0.14%  | 0.019%  |
| 58 | 12.599 | 1748 | 1757 | 1765 | rVV   | 90384   | 158940  | 4.18%  | 0.568%  |
| 59 | 12.690 | 1765 | 1772 | 1779 | rVV   | 719852  | 1181531 | 31.04% | 4.219%  |
| 60 | 12.751 | 1779 | 1782 | 1789 | rVV4  | 8456    | 15697   | 0.41%  | 0.056%  |
| 61 | 12.830 | 1793 | 1795 | 1798 | rVB4  | 1870    | 2055    | 0.05%  | 0.007%  |
| 62 | 12.885 | 1798 | 1804 | 1807 | rBV8  | 2780    | 5686    | 0.15%  | 0.020%  |
| 63 | 12.934 | 1807 | 1812 | 1819 | rVV8  | 7528    | 13931   | 0.37%  | 0.050%  |
| 64 | 13.044 | 1828 | 1830 | 1835 | rVV6  | 4793    | 6483    | 0.17%  | 0.023%  |
| 65 | 13.111 | 1839 | 1841 | 1846 | rVV6  | 2220    | 2825    | 0.07%  | 0.010%  |
| 66 | 13.269 | 1853 | 1867 | 1874 | rBV2  | 25392   | 64986   | 1.71%  | 0.232%  |
| 67 | 13.391 | 1883 | 1887 | 1892 | rBV5  | 15611   | 24646   | 0.65%  | 0.088%  |
| 68 | 13.464 | 1895 | 1899 | 1901 | rBV5  | 3541    | 5797    | 0.15%  | 0.021%  |
| 69 | 13.495 | 1901 | 1904 | 1907 | rBV5  | 3153    | 4879    | 0.13%  | 0.017%  |
| 70 | 13.556 | 1907 | 1914 | 1924 | rVV   | 1698857 | 2622618 | 68.90% | 9.364%  |
| 71 | 13.647 | 1924 | 1929 | 1934 | rVB   | 19264   | 32716   | 0.86%  | 0.117%  |
| 72 | 13.849 | 1955 | 1962 | 1975 | rVV   | 1518724 | 2448439 | 64.33% | 8.742%  |
| 73 | 14.062 | 1992 | 1997 | 2006 | rVB2  | 36713   | 68069   | 1.79%  | 0.243%  |
| 74 | 14.184 | 2013 | 2017 | 2019 | rBV5  | 4854    | 6687    | 0.18%  | 0.024%  |
| 75 | 14.324 | 2033 | 2040 | 2045 | rBV4  | 19477   | 33820   | 0.89%  | 0.121%  |
| 76 | 14.470 | 2062 | 2064 | 2067 | rBV4  | 2692    | 3666    | 0.10%  | 0.013%  |

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 ClientSampleId :  
 EYGC8

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

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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\SFAMWLM030623SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |      |       |       |        |
|-----|--------|------|------|------|------|------|-------|-------|--------|
| 77  | 14.513 | 2069 | 2071 | 2076 | rVV6 | 4330 | 7102  | 0.19% | 0.025% |
| 78  | 14.568 | 2079 | 2080 | 2084 | rVB4 | 2025 | 2315  | 0.06% | 0.008% |
| 79  | 14.623 | 2084 | 2089 | 2094 | rBV9 | 5335 | 11754 | 0.31% | 0.042% |
| 80  | 14.672 | 2094 | 2097 | 2098 | rBV3 | 1846 | 2257  | 0.06% | 0.008% |
| 81  | 14.714 | 2101 | 2104 | 2109 | rVB7 | 4270 | 6424  | 0.17% | 0.023% |
| 82  | 14.861 | 2126 | 2128 | 2130 | rVV3 | 2651 | 2067  | 0.05% | 0.007% |
| 83  | 14.879 | 2130 | 2131 | 2137 | rVB6 | 2732 | 3100  | 0.08% | 0.011% |
| 84  | 14.934 | 2137 | 2140 | 2141 | rBV3 | 2084 | 2314  | 0.06% | 0.008% |
| 85  | 14.952 | 2141 | 2143 | 2146 | rVV4 | 2309 | 2588  | 0.07% | 0.009% |
| 86  | 15.123 | 2164 | 2171 | 2174 | rBV9 | 4343 | 8420  | 0.22% | 0.030% |
| 87  | 15.171 | 2175 | 2179 | 2184 | rVV8 | 7118 | 12474 | 0.33% | 0.045% |
| 88  | 15.336 | 2202 | 2206 | 2207 | rBV4 | 2272 | 2066  | 0.05% | 0.007% |
| 89  | 15.360 | 2207 | 2210 | 2213 | rVV5 | 3152 | 4824  | 0.13% | 0.017% |
| 90  | 15.397 | 2214 | 2216 | 2220 | rVB5 | 3398 | 3469  | 0.09% | 0.012% |
| 91  | 15.476 | 2224 | 2229 | 2235 | rBV2 | 8297 | 17642 | 0.46% | 0.063% |
| 92  | 15.671 | 2258 | 2261 | 2262 | rBV3 | 2540 | 2665  | 0.07% | 0.010% |
| 93  | 15.696 | 2262 | 2265 | 2268 | rVB5 | 2680 | 3446  | 0.09% | 0.012% |
| 94  | 15.738 | 2268 | 2272 | 2273 | rBV4 | 1555 | 1986  | 0.05% | 0.007% |
| 95  | 15.757 | 2273 | 2275 | 2277 | rVV3 | 2330 | 2445  | 0.06% | 0.009% |
| 96  | 15.787 | 2278 | 2280 | 2284 | rVB5 | 3047 | 3688  | 0.10% | 0.013% |
| 97  | 15.940 | 2302 | 2305 | 2306 | rBV3 | 1911 | 2210  | 0.06% | 0.008% |
| 98  | 16.263 | 2356 | 2358 | 2361 | rBV4 | 2337 | 2785  | 0.07% | 0.010% |
| 99  | 16.360 | 2372 | 2374 | 2377 | rBV4 | 1883 | 2258  | 0.06% | 0.008% |
| 100 | 16.476 | 2391 | 2393 | 2398 | rVV6 | 2618 | 4452  | 0.12% | 0.016% |

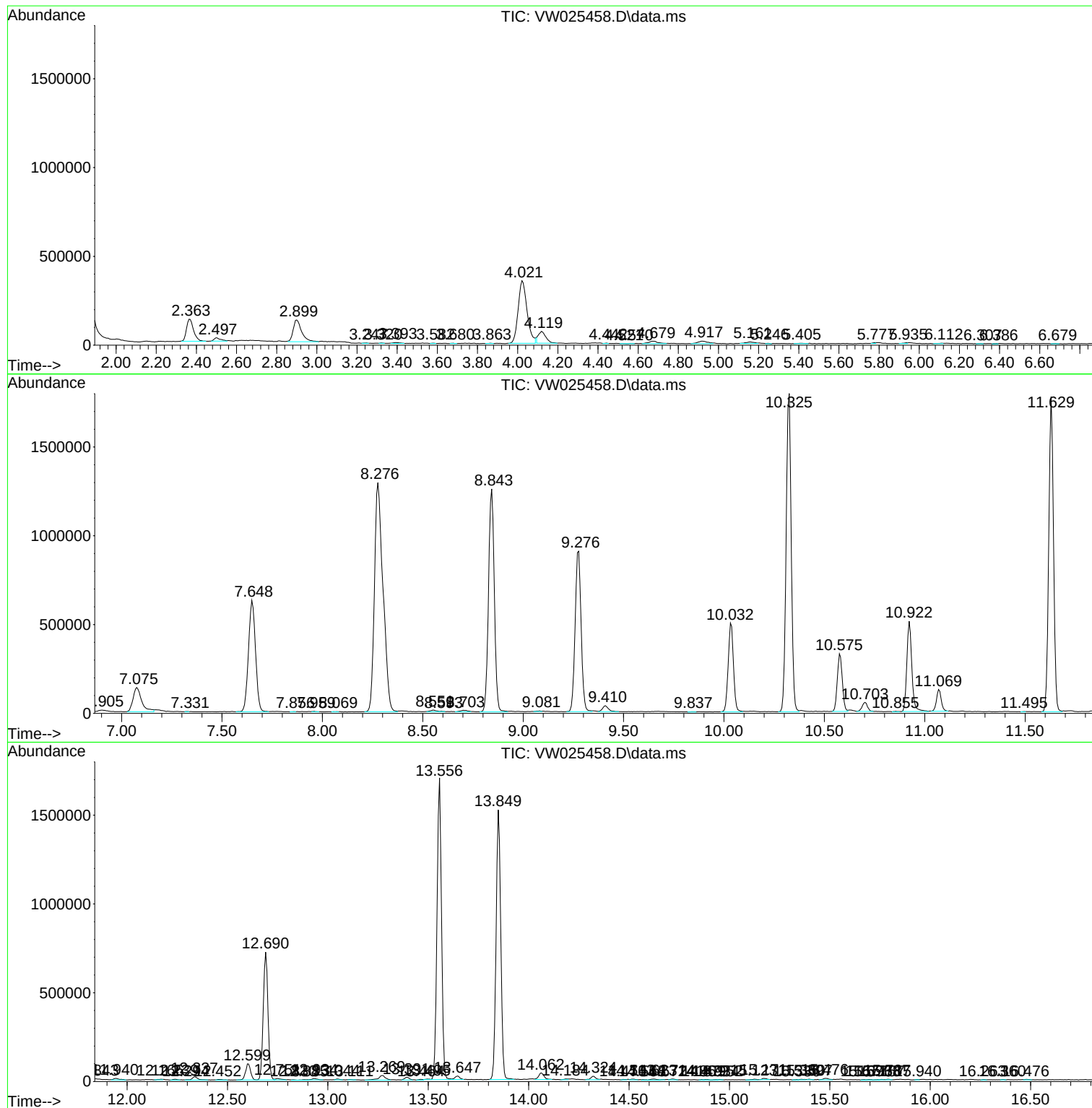
Sum of corrected areas: 28006540

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
Quant Title : SFAM01.0

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



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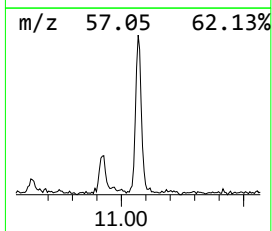
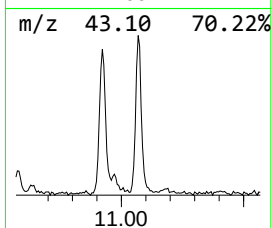
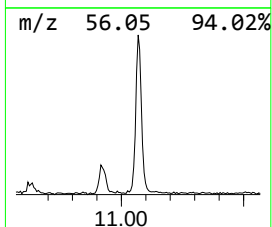
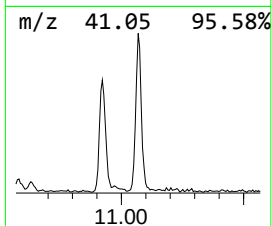
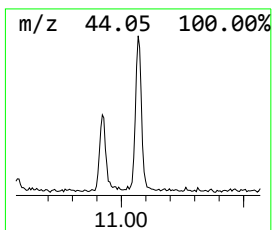
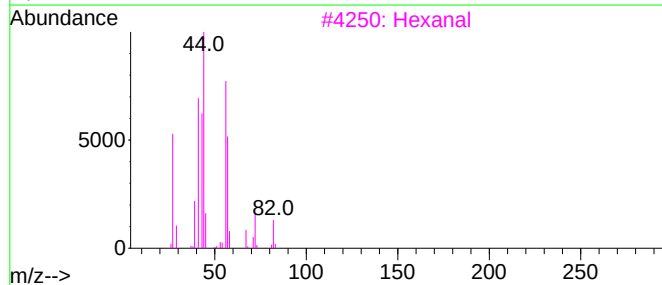
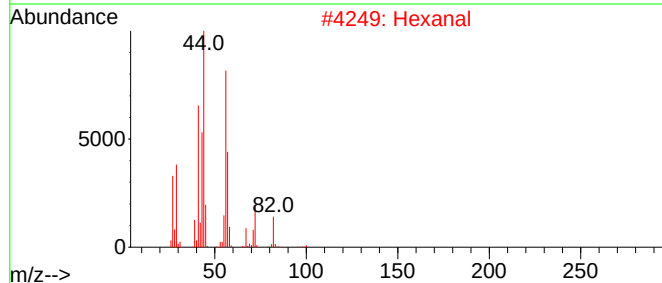
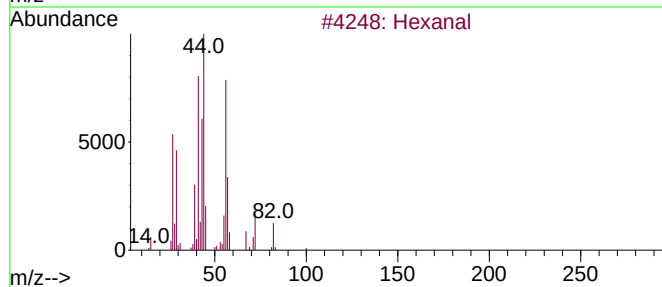
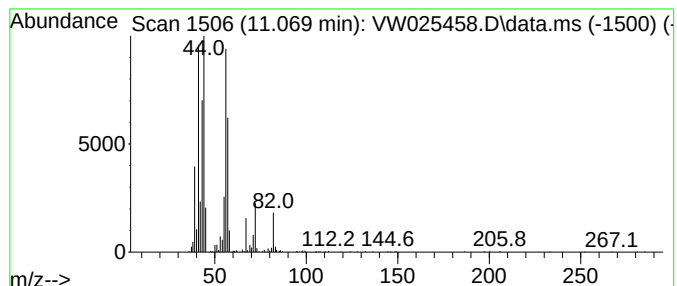
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Hexanal Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.069 | 1.73 ug/L | 201612 | Chlorobenzene-d5 | 11.629 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 2    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 3    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 64   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 50   |



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| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                  |        |         |       |          | #                     | RT     | Resp    | Conc |
| Hexanal          | 11.069 | 1.7     | ug/L  | 201612   | 2                     | 11.629 | 2906050 | 25.0 |