

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121521\  
 Data File : VW021389.D  
 Acq On : 15 Dec 2021 15:05  
 Operator : SY/VA  
 Sample : M5101-04  
 Misc : 5.84g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGL25

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\SFAMWLM120921SMA.M  
 Title : SFAM01.0

Signal : TIC: VW021389.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         | 2.349       | 69            | 73          | 83           | rVB      | 13113          | 20132         | 17.01%          | 2.269%        |
| 2         | 3.367       | 239           | 240         | 243          | rBV      | 171            | 169           | 0.14%           | 0.019%        |
| 3         | 3.574       | 269           | 274         | 276          | rBV      | 116            | 210           | 0.18%           | 0.024%        |
| 4         | 3.690       | 290           | 293         | 296          | rBB      | 92             | 119           | 0.10%           | 0.013%        |
| 5         | 3.787       | 306           | 309         | 310          | rBV      | 73             | 98            | 0.08%           | 0.011%        |
| 6         | 4.013       | 334           | 346         | 357          | rBV2     | 15092          | 39062         | 33.01%          | 4.403%        |
| 7         | 4.171       | 371           | 372         | 374          | rBV2     | 74             | 70            | 0.06%           | 0.008%        |
| 8         | 4.220       | 379           | 380         | 382          | rBV2     | 79             | 70            | 0.06%           | 0.008%        |
| 9         | 4.330       | 394           | 398         | 399          | rBB2     | 128            | 87            | 0.07%           | 0.010%        |
| 10        | 4.373       | 402           | 405         | 408          | rBV      | 92             | 157           | 0.13%           | 0.018%        |
| 11        | 4.403       | 408           | 410         | 414          | rVB      | 146            | 170           | 0.14%           | 0.019%        |
| 12        | 4.574       | 437           | 438         | 440          | rBV      | 72             | 73            | 0.06%           | 0.008%        |
| 13        | 4.751       | 466           | 467         | 471          | rBB      | 72             | 87            | 0.07%           | 0.010%        |
| 14        | 4.836       | 478           | 481         | 484          | rBV      | 87             | 143           | 0.12%           | 0.016%        |
| 15        | 4.915       | 486           | 494         | 503          | rBB4     | 1504           | 4313          | 3.64%           | 0.486%        |
| 16        | 5.220       | 541           | 544         | 545          | rBB      | 115            | 90            | 0.08%           | 0.010%        |
| 17        | 5.287       | 554           | 555         | 557          | rBV      | 108            | 88            | 0.07%           | 0.010%        |
| 18        | 5.378       | 567           | 570         | 572          | rBB      | 122            | 86            | 0.07%           | 0.010%        |
| 19        | 5.531       | 593           | 595         | 596          | rBV      | 76             | 72            | 0.06%           | 0.008%        |
| 20        | 5.628       | 610           | 611         | 613          | rBB      | 140            | 71            | 0.06%           | 0.008%        |
| 21        | 5.744       | 628           | 630         | 632          | rBV      | 103            | 101           | 0.09%           | 0.011%        |
| 22        | 5.878       | 649           | 652         | 653          | rBB      | 110            | 85            | 0.07%           | 0.010%        |
| 23        | 6.214       | 705           | 707         | 710          | rBB      | 130            | 117           | 0.10%           | 0.013%        |
| 24        | 6.640       | 775           | 777         | 778          | rBV      | 130            | 90            | 0.08%           | 0.010%        |
| 25        | 6.884       | 816           | 817         | 819          | rBB      | 133            | 70            | 0.06%           | 0.008%        |
| 26        | 7.079       | 841           | 849         | 863          | rBV2     | 3163           | 9546          | 8.07%           | 1.076%        |
| 27        | 7.311       | 886           | 887         | 890          | rBB      | 111            | 98            | 0.08%           | 0.011%        |
| 28        | 7.646       | 933           | 942         | 952          | rBV      | 21639          | 52749         | 44.57%          | 5.946%        |
| 29        | 7.982       | 994           | 997         | 998          | rBB      | 70             | 67            | 0.06%           | 0.008%        |
| 30        | 8.274       | 1037          | 1045        | 1058         | rBV2     | 39142          | 118350        | 100.00%         | 13.340%       |
| 31        | 8.713       | 1115          | 1117        | 1118         | rBB2     | 131            | 67            | 0.06%           | 0.008%        |
| 32        | 8.841       | 1131          | 1138        | 1147         | rBB      | 37235          | 75109         | 63.46%          | 8.466%        |
| 33        | 9.000       | 1161          | 1164        | 1166         | rBB      | 104            | 79            | 0.07%           | 0.009%        |
| 34        | 9.091       | 1175          | 1179        | 1183         | rBB2     | 595            | 1080          | 0.91%           | 0.122%        |
| 35        | 9.128       | 1184          | 1185        | 1188         | rBB2     | 69             | 68            | 0.06%           | 0.008%        |
| 36        | 9.274       | 1202          | 1209        | 1217         | rVB      | 26902          | 54152         | 45.76%          | 6.104%        |

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Integrator: RTE

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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\SFAMWLM120921SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |       |        |        |         |
|----|--------|------|------|------|------|-------|--------|--------|---------|
| 37 | 10.036 | 1327 | 1334 | 1341 | rBB  | 13476 | 22899  | 19.35% | 2.581%  |
| 38 | 10.323 | 1374 | 1381 | 1388 | rBV  | 57665 | 99671  | 84.22% | 11.235% |
| 39 | 10.457 | 1401 | 1403 | 1404 | rBV  | 74    | 76     | 0.06%  | 0.009%  |
| 40 | 10.579 | 1417 | 1423 | 1429 | rBB  | 7722  | 12854  | 10.86% | 1.449%  |
| 41 | 10.701 | 1439 | 1443 | 1449 | rBB2 | 1019  | 1654   | 1.40%  | 0.186%  |
| 42 | 10.859 | 1465 | 1469 | 1474 | rBV2 | 2917  | 4697   | 3.97%  | 0.529%  |
| 43 | 10.926 | 1474 | 1480 | 1489 | rVV  | 11542 | 20093  | 16.98% | 2.265%  |
| 44 | 11.018 | 1493 | 1495 | 1497 | rVB  | 178   | 112    | 0.09%  | 0.013%  |
| 45 | 11.054 | 1500 | 1501 | 1503 | rBV  | 126   | 119    | 0.10%  | 0.013%  |
| 46 | 11.103 | 1506 | 1509 | 1512 | rBB  | 67    | 88     | 0.07%  | 0.010%  |
| 47 | 11.164 | 1516 | 1519 | 1520 | rBB  | 81    | 76     | 0.06%  | 0.009%  |
| 48 | 11.298 | 1540 | 1541 | 1543 | rBV  | 75    | 68     | 0.06%  | 0.008%  |
| 49 | 11.627 | 1588 | 1595 | 1603 | rBV  | 57814 | 97958  | 82.77% | 11.042% |
| 50 | 11.694 | 1603 | 1606 | 1611 | rVB  | 152   | 292    | 0.25%  | 0.033%  |
| 51 | 11.768 | 1616 | 1618 | 1621 | rBB  | 84    | 76     | 0.06%  | 0.009%  |
| 52 | 11.792 | 1621 | 1622 | 1624 | rBB  | 128   | 88     | 0.07%  | 0.010%  |
| 53 | 11.816 | 1624 | 1626 | 1627 | rBV  | 194   | 123    | 0.10%  | 0.014%  |
| 54 | 11.865 | 1633 | 1634 | 1636 | rBV  | 122   | 103    | 0.09%  | 0.012%  |
| 55 | 11.975 | 1651 | 1652 | 1656 | rBB  | 84    | 75     | 0.06%  | 0.008%  |
| 56 | 12.249 | 1693 | 1697 | 1701 | rBB2 | 750   | 1069   | 0.90%  | 0.120%  |
| 57 | 12.597 | 1749 | 1754 | 1763 | rBB4 | 1722  | 3293   | 2.78%  | 0.371%  |
| 58 | 12.688 | 1763 | 1769 | 1776 | rBB  | 22715 | 37529  | 31.71% | 4.230%  |
| 59 | 12.755 | 1776 | 1780 | 1781 | rBV  | 379   | 416    | 0.35%  | 0.047%  |
| 60 | 12.847 | 1794 | 1795 | 1798 | rBB  | 77    | 75     | 0.06%  | 0.008%  |
| 61 | 12.920 | 1804 | 1807 | 1808 | rBB  | 79    | 78     | 0.07%  | 0.009%  |
| 62 | 12.938 | 1809 | 1810 | 1811 | rBV  | 201   | 113    | 0.10%  | 0.013%  |
| 63 | 12.956 | 1811 | 1813 | 1814 | rBV2 | 315   | 230    | 0.19%  | 0.026%  |
| 64 | 13.194 | 1843 | 1852 | 1857 | rBB2 | 1548  | 2763   | 2.33%  | 0.311%  |
| 65 | 13.298 | 1865 | 1869 | 1873 | rBB2 | 719   | 1065   | 0.90%  | 0.120%  |
| 66 | 13.407 | 1880 | 1887 | 1891 | rBV2 | 2805  | 4584   | 3.87%  | 0.517%  |
| 67 | 13.475 | 1896 | 1898 | 1900 | rVB  | 244   | 151    | 0.13%  | 0.017%  |
| 68 | 13.511 | 1901 | 1904 | 1905 | rBV  | 521   | 423    | 0.36%  | 0.048%  |
| 69 | 13.554 | 1905 | 1911 | 1917 | rBV  | 63272 | 101120 | 85.44% | 11.398% |
| 70 | 13.700 | 1934 | 1935 | 1938 | rBB  | 179   | 146    | 0.12%  | 0.016%  |
| 71 | 13.761 | 1939 | 1945 | 1950 | rBV2 | 1446  | 2438   | 2.06%  | 0.275%  |
| 72 | 13.853 | 1953 | 1960 | 1966 | rBV  | 52555 | 85900  | 72.58% | 9.682%  |
| 73 | 14.060 | 1989 | 1994 | 2000 | rBB  | 1670  | 2463   | 2.08%  | 0.278%  |
| 74 | 14.188 | 2014 | 2015 | 2018 | rBB  | 75    | 70     | 0.06%  | 0.008%  |
| 75 | 14.285 | 2030 | 2031 | 2033 | rBV  | 83    | 74     | 0.06%  | 0.008%  |
| 76 | 14.328 | 2036 | 2038 | 2040 | rBB  | 134   | 103    | 0.09%  | 0.012%  |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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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\SFAMWLM120921SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |     |      |       |        |
|-----|--------|------|------|------|------|-----|------|-------|--------|
| 77  | 14.371 | 2044 | 2045 | 2050 | rBB  | 92  | 136  | 0.11% | 0.015% |
| 78  | 14.456 | 2055 | 2059 | 2062 | rBB  | 69  | 88   | 0.07% | 0.010% |
| 79  | 14.487 | 2063 | 2064 | 2067 | rBB  | 122 | 113  | 0.10% | 0.013% |
| 80  | 14.627 | 2086 | 2087 | 2089 | rBV  | 151 | 103  | 0.09% | 0.012% |
| 81  | 14.712 | 2100 | 2101 | 2102 | rBV  | 205 | 96   | 0.08% | 0.011% |
| 82  | 14.804 | 2114 | 2116 | 2119 | rBB  | 94  | 110  | 0.09% | 0.012% |
| 83  | 14.926 | 2133 | 2136 | 2139 | rBV  | 142 | 231  | 0.20% | 0.026% |
| 84  | 14.999 | 2144 | 2148 | 2151 | rBV2 | 144 | 234  | 0.20% | 0.026% |
| 85  | 15.121 | 2166 | 2168 | 2170 | rBB2 | 273 | 204  | 0.17% | 0.023% |
| 86  | 15.316 | 2198 | 2200 | 2203 | rVB  | 132 | 136  | 0.11% | 0.015% |
| 87  | 15.377 | 2208 | 2210 | 2211 | rBV  | 132 | 124  | 0.10% | 0.014% |
| 88  | 15.432 | 2215 | 2219 | 2223 | rVB  | 962 | 1309 | 1.11% | 0.148% |
| 89  | 15.541 | 2235 | 2237 | 2239 | rBV  | 68  | 90   | 0.08% | 0.010% |
| 90  | 15.639 | 2252 | 2253 | 2254 | rVB  | 199 | 73   | 0.06% | 0.008% |
| 91  | 15.694 | 2260 | 2262 | 2263 | rBV  | 151 | 117  | 0.10% | 0.013% |
| 92  | 15.742 | 2269 | 2270 | 2274 | rBB  | 158 | 205  | 0.17% | 0.023% |
| 93  | 15.785 | 2274 | 2277 | 2278 | rBV  | 146 | 174  | 0.15% | 0.020% |
| 94  | 15.834 | 2282 | 2285 | 2289 | rBV2 | 170 | 299  | 0.25% | 0.034% |
| 95  | 15.864 | 2289 | 2290 | 2293 | rBV  | 142 | 139  | 0.12% | 0.016% |
| 96  | 15.950 | 2303 | 2304 | 2306 | rBV  | 189 | 148  | 0.13% | 0.017% |
| 97  | 15.968 | 2306 | 2307 | 2309 | rVB  | 245 | 160  | 0.14% | 0.018% |
| 98  | 16.096 | 2326 | 2328 | 2335 | rVB2 | 186 | 201  | 0.17% | 0.023% |
| 99  | 16.279 | 2357 | 2358 | 2360 | rVB  | 150 | 83   | 0.07% | 0.009% |
| 100 | 16.303 | 2360 | 2362 | 2364 | rBV  | 172 | 187  | 0.16% | 0.021% |

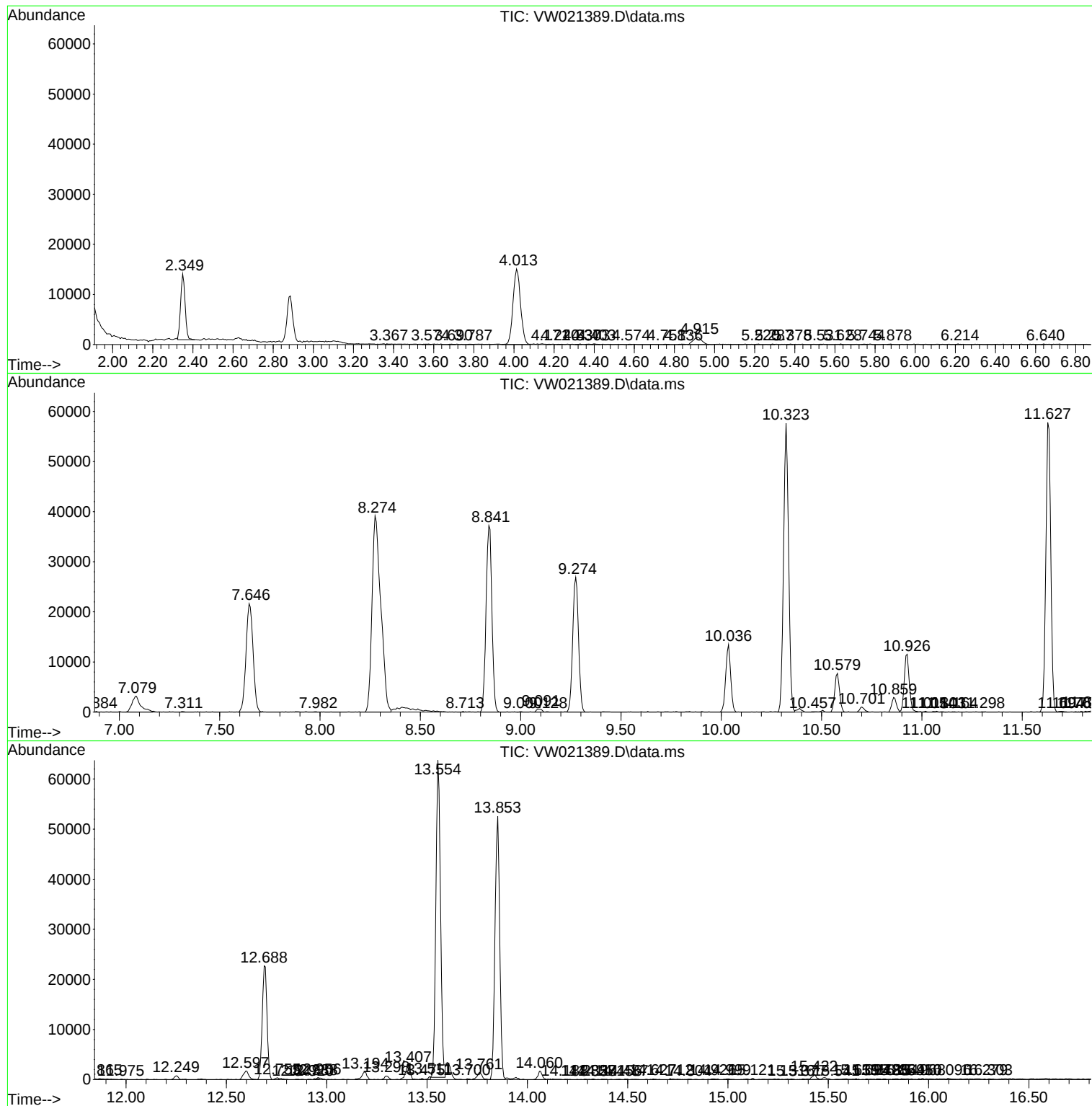
Sum of corrected areas: 887180

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Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0

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



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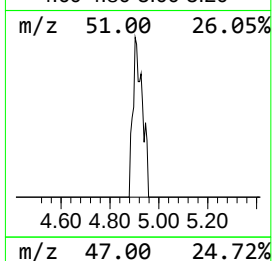
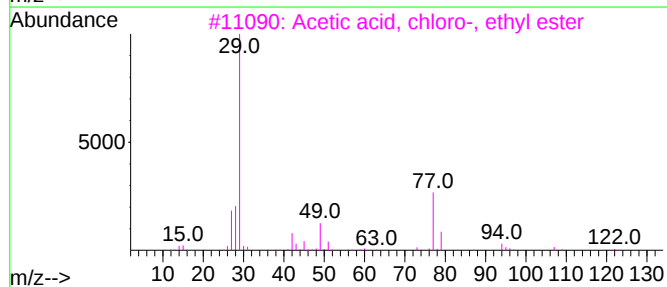
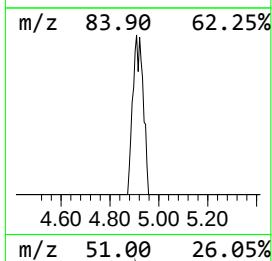
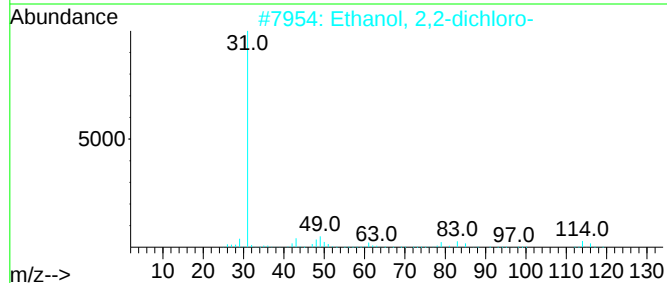
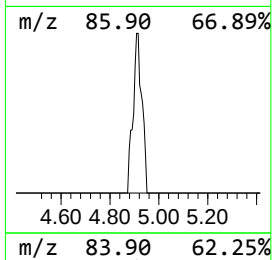
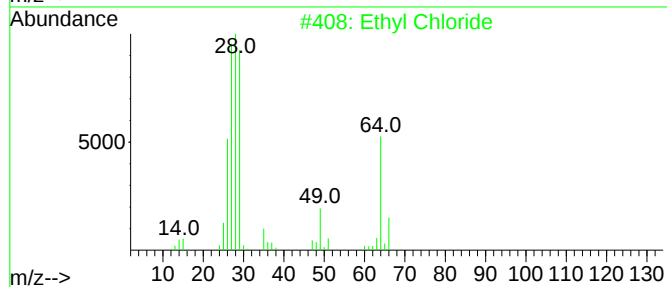
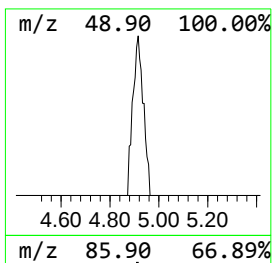
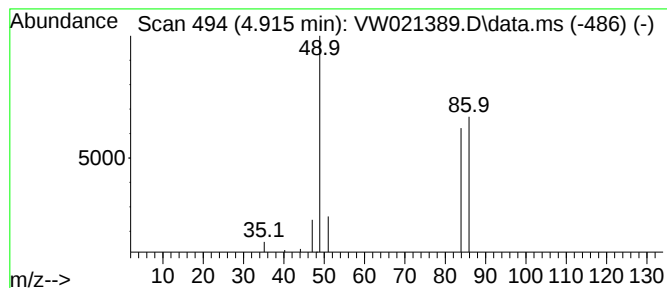
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 4.915 | 1.44 ug/L | 4313 | 1,4-Difluorobenzene | 8.841 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethyl Chloride                    | 64  | C2H5Cl   | 000075-00-3 | 4    |
| 2    |    |   | Ethanol, 2,2-dichloro-            | 114 | C2H4Cl2O | 000598-38-9 | 4    |
| 3    |    |   | Acetic acid, chloro-, ethyl ester | 122 | C4H7ClO2 | 000105-39-5 | 2    |
| 4    |    |   | 2-Chloroethanol                   | 80  | C2H5ClO  | 000107-07-3 | 2    |
| 5    |    |   | 2-Chloroethanol                   | 80  | C2H5ClO  | 000107-07-3 | 2    |



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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |       |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|-------|------|
|                  |       |         |       |          | #                     | RT    | Resp  | Conc |
| unknown-01       | 4.915 | 1.4     | ug/L  | 4313     | 1                     | 8.841 | 75109 | 25.0 |