

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032124\  
 Data File : VV034786.D  
 Acq On : 21 Mar 2024 14:01  
 Operator : SY/MD  
 Sample : P1755-22  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCL30

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\_V\Method\SFAMVLM022924WMA.M

Title : VOC Analysis

Signal : TIC: VV034786.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         | 1.111       | 18            | 22          | 32           | rVB      | 22607          | 21520         | 0.79%           | 0.139%        |
| 2         | 1.195       | 42            | 48          | 58           | rBV      | 40491          | 41289         | 1.52%           | 0.266%        |
| 3         | 1.278       | 67            | 74          | 91           | rVB      | 234683         | 258260        | 9.54%           | 1.667%        |
| 4         | 1.532       | 146           | 153         | 167          | rVB      | 201653         | 230826        | 8.52%           | 1.490%        |
| 5         | 2.066       | 306           | 319         | 328          | rBV3     | 558406         | 955926        | 35.30%          | 6.169%        |
| 6         | 2.121       | 328           | 336         | 364          | rVV      | 513685         | 1011691       | 37.36%          | 6.528%        |
| 7         | 2.275       | 366           | 384         | 449          | rVB      | 454561         | 2708056       | 100.00%         | 17.475%       |
| 8         | 3.114       | 632           | 645         | 666          | rBV2     | 35597          | 77540         | 2.86%           | 0.500%        |
| 9         | 3.236       | 682           | 683         | 684          | rBV      | 309            | 101           | 0.00%           | 0.001%        |
| 10        | 3.291       | 698           | 700         | 702          | rBV2     | 293            | 166           | 0.01%           | 0.001%        |
| 11        | 3.343       | 713           | 716         | 719          | rBV2     | 180            | 151           | 0.01%           | 0.001%        |
| 12        | 3.388       | 728           | 730         | 733          | rBV      | 147            | 94            | 0.00%           | 0.001%        |
| 13        | 3.542       | 775           | 778         | 781          | rBV      | 273            | 178           | 0.01%           | 0.001%        |
| 14        | 3.561       | 781           | 784         | 786          | rVB2     | 144            | 95            | 0.00%           | 0.001%        |
| 15        | 3.619       | 801           | 802         | 804          | rVB      | 263            | 74            | 0.00%           | 0.000%        |
| 16        | 3.638       | 807           | 808         | 810          | rBV      | 221            | 99            | 0.00%           | 0.001%        |
| 17        | 3.716       | 830           | 832         | 836          | rBV3     | 262            | 163           | 0.01%           | 0.001%        |
| 18        | 3.741       | 836           | 840         | 846          | rBB3     | 299            | 234           | 0.01%           | 0.002%        |
| 19        | 3.806       | 846           | 860         | 903          | rBV3     | 122832         | 462682        | 17.09%          | 2.986%        |
| 20        | 4.246       | 983           | 997         | 1025         | rBV      | 240341         | 612521        | 22.62%          | 3.953%        |
| 21        | 4.709       | 1138          | 1141        | 1142         | rBV2     | 315            | 186           | 0.01%           | 0.001%        |
| 22        | 4.802       | 1166          | 1170        | 1171         | rBV2     | 292            | 213           | 0.01%           | 0.001%        |
| 23        | 4.873       | 1189          | 1192        | 1198         | rVB2     | 420            | 300           | 0.01%           | 0.002%        |
| 24        | 4.953       | 1201          | 1217        | 1255         | rBV2     | 574618         | 1519767       | 56.12%          | 9.807%        |
| 25        | 5.307       | 1324          | 1327        | 1329         | rVB3     | 459            | 198           | 0.01%           | 0.001%        |
| 26        | 5.423       | 1361          | 1363        | 1367         | rVB2     | 338            | 163           | 0.01%           | 0.001%        |
| 27        | 5.442       | 1367          | 1369        | 1370         | rBV      | 443            | 198           | 0.01%           | 0.001%        |
| 28        | 5.532       | 1386          | 1397        | 1434         | rBV      | 388551         | 809346        | 29.89%          | 5.223%        |
| 29        | 5.838       | 1479          | 1492        | 1516         | rBV5     | 57089          | 133092        | 4.91%           | 0.859%        |
| 30        | 5.986       | 1526          | 1538        | 1566         | rBV      | 323776         | 661777        | 24.44%          | 4.270%        |
| 31        | 6.252       | 1616          | 1621        | 1626         | rBV3     | 421            | 519           | 0.02%           | 0.003%        |
| 32        | 6.291       | 1631          | 1633        | 1638         | rVB3     | 208            | 190           | 0.01%           | 0.001%        |
| 33        | 6.317       | 1639          | 1641        | 1642         | rBV      | 129            | 54            | 0.00%           | 0.000%        |
| 34        | 6.355       | 1648          | 1653        | 1656         | rVB2     | 250            | 182           | 0.01%           | 0.001%        |
| 35        | 6.368       | 1656          | 1657        | 1659         | rBV      | 133            | 52            | 0.00%           | 0.000%        |
| 36        | 6.481       | 1687          | 1692        | 1694         | rBV3     | 239            | 207           | 0.01%           | 0.001%        |

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 Sample : P1755-22  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCL30

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\_V\Method\SFAMVLM022924WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 6.519  | 1694 | 1704 | 1708 | rBV6 | 1827   | 3286    | 0.12%  | 0.021% |
| 38 | 6.593  | 1722 | 1727 | 1730 | rBV2 | 268    | 212     | 0.01%  | 0.001% |
| 39 | 6.654  | 1743 | 1746 | 1749 | rBV2 | 207    | 106     | 0.00%  | 0.001% |
| 40 | 6.667  | 1749 | 1750 | 1751 | rVB2 | 111    | 21      | 0.00%  | 0.000% |
| 41 | 6.738  | 1771 | 1772 | 1773 | rBV  | 156    | 49      | 0.00%  | 0.000% |
| 42 | 6.822  | 1797 | 1798 | 1799 | rVB  | 195    | 38      | 0.00%  | 0.000% |
| 43 | 6.834  | 1799 | 1802 | 1807 | rVB2 | 101    | 72      | 0.00%  | 0.000% |
| 44 | 6.863  | 1807 | 1811 | 1816 | rBV2 | 173    | 208     | 0.01%  | 0.001% |
| 45 | 6.912  | 1816 | 1826 | 1858 | rBV  | 178030 | 338348  | 12.49% | 2.183% |
| 46 | 7.240  | 1917 | 1928 | 1956 | rBV  | 670858 | 1185009 | 43.76% | 7.647% |
| 47 | 7.551  | 2016 | 2025 | 2061 | rBV2 | 121257 | 226155  | 8.35%  | 1.459% |
| 48 | 7.834  | 2111 | 2113 | 2116 | rBV2 | 195    | 80      | 0.00%  | 0.001% |
| 49 | 7.876  | 2119 | 2126 | 2136 | rVB2 | 2838   | 4526    | 0.17%  | 0.029% |
| 50 | 7.915  | 2136 | 2138 | 2139 | rBV  | 192    | 61      | 0.00%  | 0.000% |
| 51 | 7.963  | 2150 | 2153 | 2155 | rBV  | 132    | 88      | 0.00%  | 0.001% |
| 52 | 8.024  | 2163 | 2172 | 2216 | rBV  | 303899 | 640294  | 23.64% | 4.132% |
| 53 | 8.612  | 2353 | 2355 | 2359 | rVB2 | 197    | 133     | 0.00%  | 0.001% |
| 54 | 8.635  | 2359 | 2362 | 2364 | rBV2 | 321    | 246     | 0.01%  | 0.002% |
| 55 | 8.693  | 2376 | 2380 | 2383 | rBV2 | 262    | 216     | 0.01%  | 0.001% |
| 56 | 8.728  | 2388 | 2391 | 2392 | rBV  | 252    | 112     | 0.00%  | 0.001% |
| 57 | 8.783  | 2397 | 2408 | 2437 | rBV  | 586451 | 975311  | 36.02% | 6.294% |
| 58 | 9.053  | 2489 | 2492 | 2494 | rBV2 | 472    | 284     | 0.01%  | 0.002% |
| 59 | 9.104  | 2506 | 2508 | 2510 | rBV3 | 317    | 182     | 0.01%  | 0.001% |
| 60 | 9.355  | 2583 | 2586 | 2589 | rBV  | 280    | 165     | 0.01%  | 0.001% |
| 61 | 9.481  | 2622 | 2625 | 2627 | rBV2 | 134    | 94      | 0.00%  | 0.001% |
| 62 | 9.632  | 2669 | 2672 | 2675 | rBV2 | 170    | 148     | 0.01%  | 0.001% |
| 63 | 9.879  | 2745 | 2749 | 2753 | rBV3 | 273    | 210     | 0.01%  | 0.001% |
| 64 | 9.960  | 2764 | 2774 | 2780 | rBV4 | 1441   | 2352    | 0.09%  | 0.015% |
| 65 | 10.040 | 2797 | 2799 | 2801 | rBV  | 153    | 85      | 0.00%  | 0.001% |
| 66 | 10.149 | 2822 | 2833 | 2855 | rBV  | 422421 | 657687  | 24.29% | 4.244% |
| 67 | 10.294 | 2875 | 2878 | 2880 | rBV3 | 399    | 328     | 0.01%  | 0.002% |
| 68 | 10.326 | 2882 | 2888 | 2898 | rVB4 | 3990   | 5739    | 0.21%  | 0.037% |
| 69 | 10.391 | 2905 | 2908 | 2910 | rBV2 | 290    | 165     | 0.01%  | 0.001% |
| 70 | 10.407 | 2910 | 2913 | 2915 | rVV  | 326    | 155     | 0.01%  | 0.001% |
| 71 | 10.670 | 2991 | 2995 | 2999 | rBV  | 278    | 229     | 0.01%  | 0.001% |
| 72 | 10.741 | 3016 | 3017 | 3018 | rBV  | 172    | 50      | 0.00%  | 0.000% |
| 73 | 11.185 | 3144 | 3155 | 3178 | rBV  | 578081 | 909356  | 33.58% | 5.868% |
| 74 | 11.558 | 3251 | 3271 | 3297 | rBV  | 650183 | 1034491 | 38.20% | 6.676% |
| 75 | 11.934 | 3386 | 3388 | 3390 | rBV  | 218    | 114     | 0.00%  | 0.001% |
| 76 | 12.091 | 3435 | 3437 | 3440 | rBV  | 309    | 133     | 0.00%  | 0.001% |

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Sample : P1755-22  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
YCL30

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\_V\Method\SFAMVLM022924WMA.M  
Title : VOC Analysis

|    |        |      |      |      |      |     |     |       |        |
|----|--------|------|------|------|------|-----|-----|-------|--------|
| 77 | 12.259 | 3487 | 3489 | 3493 | rBV  | 317 | 173 | 0.01% | 0.001% |
| 78 | 12.281 | 3494 | 3496 | 3498 | rBV  | 251 | 99  | 0.00% | 0.001% |
| 79 | 12.455 | 3548 | 3550 | 3554 | rVB2 | 212 | 85  | 0.00% | 0.001% |
| 80 | 12.474 | 3554 | 3556 | 3559 | rBV  | 211 | 113 | 0.00% | 0.001% |
| 81 | 12.490 | 3559 | 3561 | 3562 | rBV  | 229 | 91  | 0.00% | 0.001% |
| 82 | 12.686 | 3620 | 3622 | 3623 | rBV  | 322 | 113 | 0.00% | 0.001% |
| 83 | 12.972 | 3708 | 3711 | 3713 | rBV  | 327 | 227 | 0.01% | 0.001% |
| 84 | 13.053 | 3732 | 3736 | 3739 | rBV2 | 276 | 238 | 0.01% | 0.002% |
| 85 | 13.101 | 3749 | 3751 | 3754 | rVB  | 521 | 209 | 0.01% | 0.001% |
| 86 | 13.310 | 3814 | 3816 | 3820 | rBV  | 282 | 162 | 0.01% | 0.001% |
| 87 | 13.808 | 3968 | 3971 | 3978 | rBV2 | 344 | 374 | 0.01% | 0.002% |
| 88 | 14.114 | 4063 | 4066 | 4068 | rBV2 | 353 | 296 | 0.01% | 0.002% |

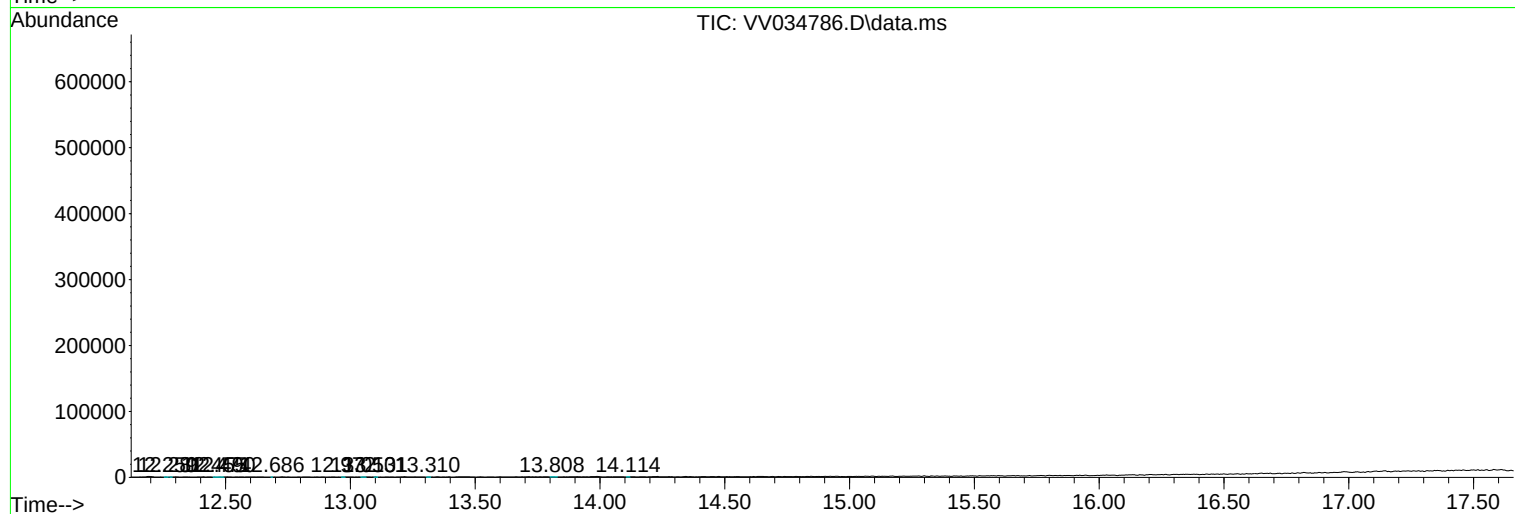
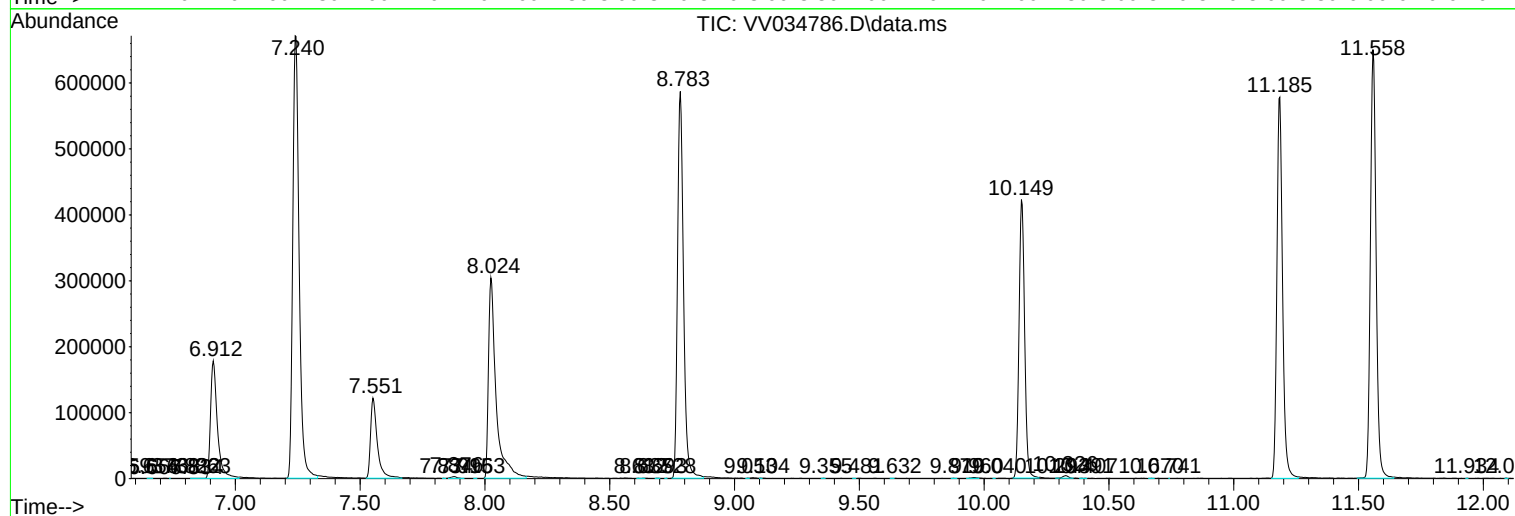
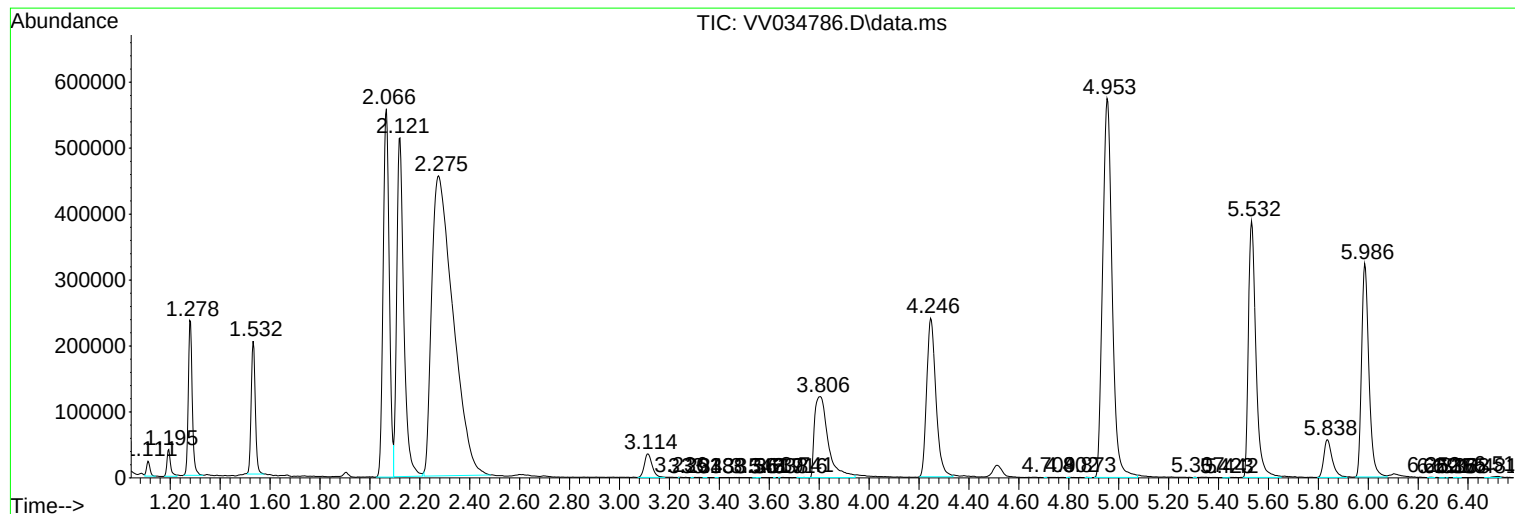
Sum of corrected areas: 15496828

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032124\  
Data File : VV034786.D  
Acq On : 21 Mar 2024 14:01  
Operator : SY/MD  
Sample : P1755-22  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
YCL30

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032124\  
Data File : VV034786.D  
Acq On : 21 Mar 2024 14:01  
Operator : SY/MD  
Sample : P1755-22  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
YCL30

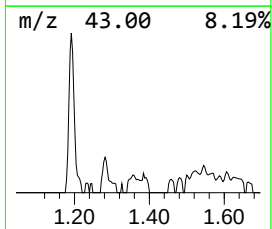
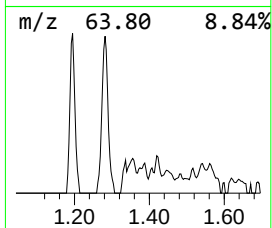
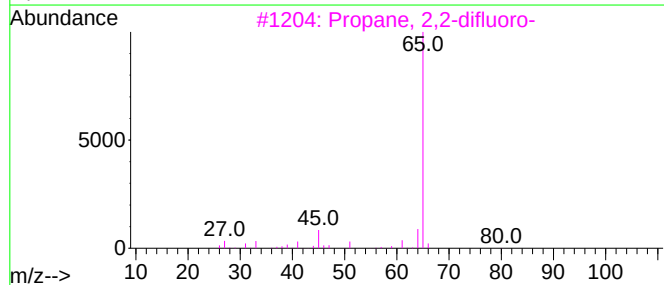
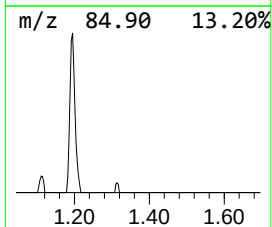
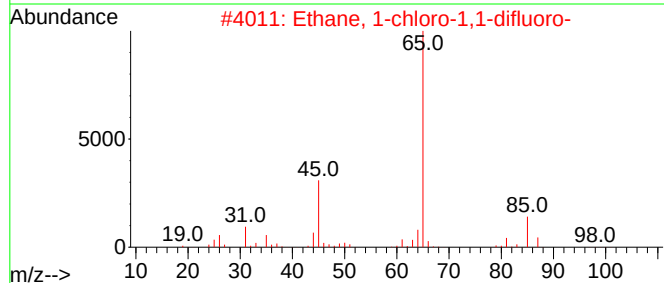
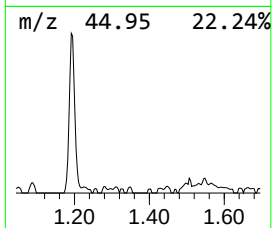
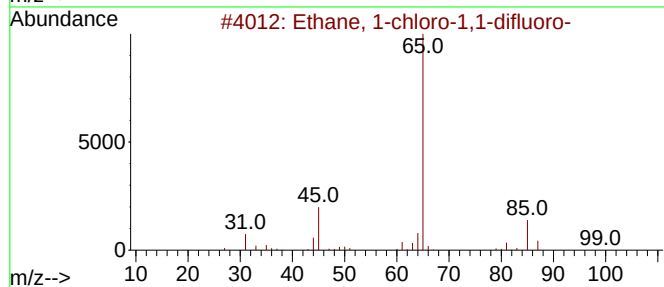
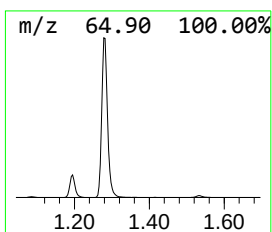
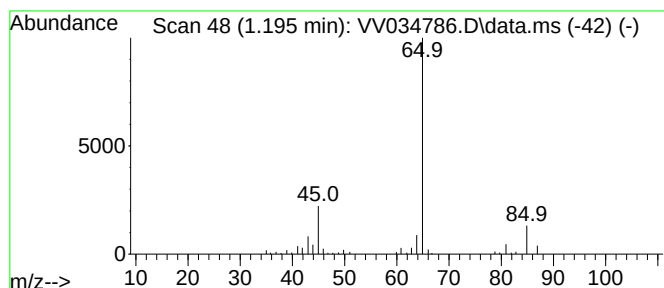
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.195 | 2.55 ug/L | 41289 | 1,4-Difluorobenzene | 5.532 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 38   |
| 2    |    |   | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 38   |
| 3    |    |   | Propane, 2,2-difluoro-         | 80  | C3H6F2   | 000420-45-1 | 9    |
| 4    |    |   | 2,2-Difluoropropionic acid     | 110 | C3H4F2O2 | 000373-96-6 | 4    |
| 5    |    |   | Propane, 2,2-difluoro-         | 80  | C3H6F2   | 000420-45-1 | 4    |



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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
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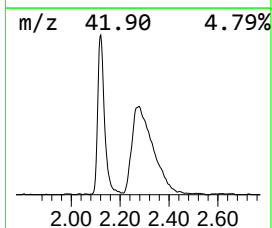
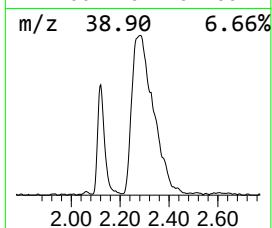
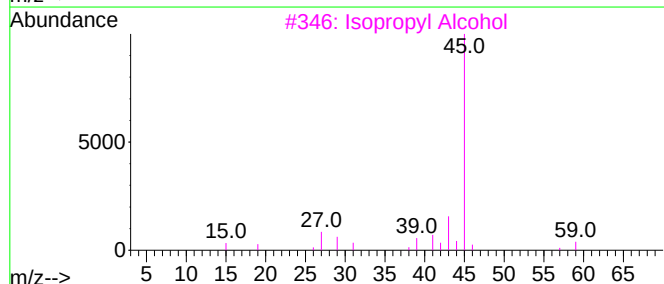
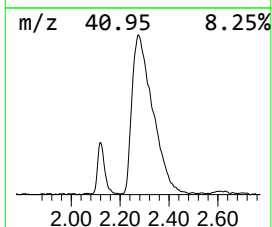
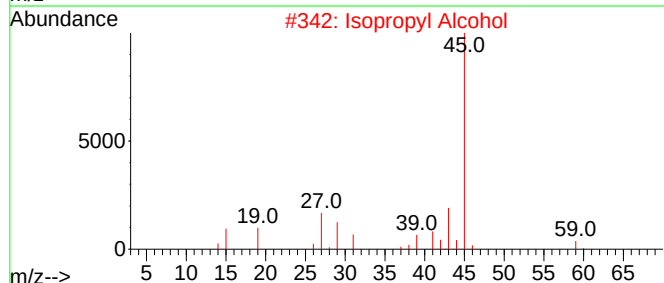
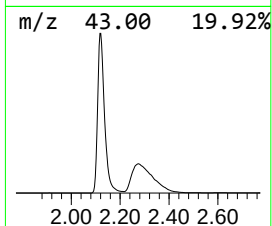
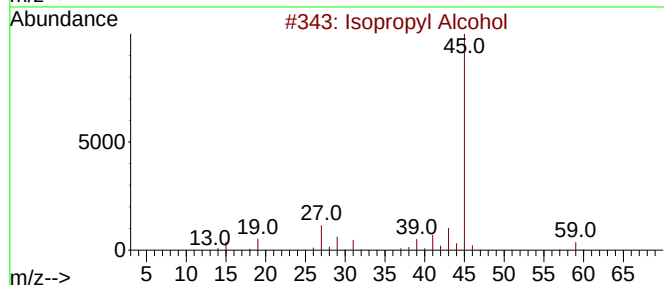
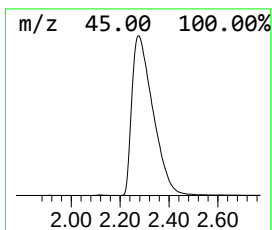
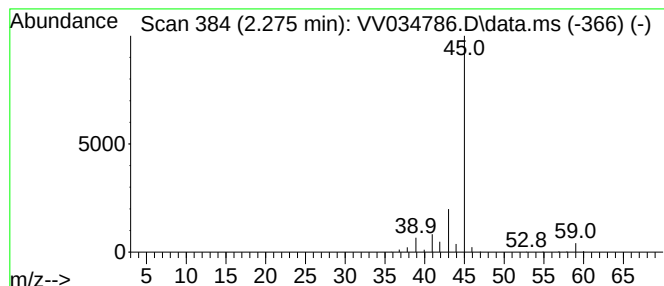
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 Isopropyl Alcohol Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD    | R.T.  |
|-------|-------------|---------|---------------------|-------|
| 2.275 | 167.30 ug/L | 2708060 | 1,4-Difluorobenzene | 5.532 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol        | 60 | C3H8O   | 000067-63-0 | 78   |
| 2    |    |   | Isopropyl Alcohol        | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    |    |   | Isopropyl Alcohol        | 60 | C3H8O   | 000067-63-0 | 64   |
| 4    |    |   | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2  | 000540-73-8 | 9    |
| 5    |    |   | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2  | 000540-73-8 | 9    |



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Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
Quant Title : VOC Analysis

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        | 1.195 | 2.5     | ug/L  | 41289    | 1                     | 5.532 | 809346 | 50.0 |
| Isopropyl Alcohol | 2.275 | 167.3   | ug/L  | 2708060  | 1                     | 5.532 | 809346 | 50.0 |