

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071822\  
 Data File : VU049760.D  
 Acq On : 18 Jul 2022 14:52  
 Operator : SY/MD  
 Sample : N3744-20  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5B81

Integration Parameters: LSCINT.P

Integrator: RTE

Smoother: OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Title : VOC Analysis

Signal : TIC: VU049760.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         | 1.517       | 51            | 55          | 64           | rBV4     | 1947           | 2621          | 0.36%           | 0.041%        |
| 2         | 1.597       | 71            | 80          | 96           | rVB      | 67188          | 83151         | 11.32%          | 1.306%        |
| 3         | 1.681       | 98            | 106         | 117          | rBV      | 49321          | 56827         | 7.74%           | 0.893%        |
| 4         | 1.900       | 167           | 174         | 194          | rVB      | 57891          | 79997         | 10.89%          | 1.257%        |
| 5         | 2.147       | 249           | 251         | 254          | rVB3     | 765            | 272           | 0.04%           | 0.004%        |
| 6         | 2.285       | 286           | 294         | 307          | rVB3     | 5723           | 9523          | 1.30%           | 0.150%        |
| 7         | 2.375       | 316           | 322         | 330          | rVB4     | 2393           | 3621          | 0.49%           | 0.057%        |
| 8         | 2.562       | 368           | 380         | 392          | rBV      | 109995         | 178377        | 24.29%          | 2.802%        |
| 9         | 2.626       | 392           | 400         | 421          | rVB2     | 14570          | 28046         | 3.82%           | 0.441%        |
| 10        | 2.764       | 435           | 443         | 447          | rBV2     | 966            | 1532          | 0.21%           | 0.024%        |
| 11        | 2.854       | 466           | 471         | 475          | rBV2     | 301            | 351           | 0.05%           | 0.006%        |
| 12        | 2.948       | 497           | 500         | 502          | rBV      | 242            | 167           | 0.02%           | 0.003%        |
| 13        | 2.999       | 509           | 516         | 520          | rBV2     | 374            | 566           | 0.08%           | 0.009%        |
| 14        | 3.038       | 520           | 528         | 535          | rVV4     | 1007           | 1641          | 0.22%           | 0.026%        |
| 15        | 3.112       | 547           | 551         | 555          | rVV2     | 506            | 560           | 0.08%           | 0.009%        |
| 16        | 3.182       | 559           | 573         | 591          | rVB      | 15900          | 34551         | 4.70%           | 0.543%        |
| 17        | 3.314       | 610           | 614         | 620          | rVB      | 381            | 327           | 0.04%           | 0.005%        |
| 18        | 3.613       | 703           | 707         | 709          | rBV      | 284            | 274           | 0.04%           | 0.004%        |
| 19        | 3.668       | 722           | 724         | 730          | rVB      | 215            | 208           | 0.03%           | 0.003%        |
| 20        | 3.716       | 736           | 739         | 746          | rVV      | 234            | 214           | 0.03%           | 0.003%        |
| 21        | 4.028       | 831           | 836         | 839          | rBV2     | 198            | 220           | 0.03%           | 0.003%        |
| 22        | 4.060       | 842           | 846         | 853          | rVB3     | 707            | 673           | 0.09%           | 0.011%        |
| 23        | 4.218       | 890           | 895         | 900          | rBV      | 213            | 239           | 0.03%           | 0.004%        |
| 24        | 4.443       | 951           | 965         | 971          | rBV4     | 2902           | 6289          | 0.86%           | 0.099%        |
| 25        | 4.620       | 1007          | 1020        | 1041         | rBV      | 122275         | 290470        | 39.55%          | 4.563%        |
| 26        | 4.800       | 1063          | 1076        | 1107         | rVB      | 180592         | 392293        | 53.41%          | 6.163%        |
| 27        | 4.993       | 1133          | 1136        | 1142         | rBV3     | 486            | 549           | 0.07%           | 0.009%        |
| 28        | 5.063       | 1142          | 1158        | 1177         | rVV      | 143398         | 316185        | 43.05%          | 4.967%        |
| 29        | 5.218       | 1204          | 1206        | 1209         | rVB2     | 324            | 185           | 0.03%           | 0.003%        |
| 30        | 5.237       | 1209          | 1212        | 1217         | rBV      | 168            | 170           | 0.02%           | 0.003%        |
| 31        | 5.279       | 1221          | 1225        | 1227         | rBV3     | 506            | 417           | 0.06%           | 0.007%        |
| 32        | 5.375       | 1251          | 1255        | 1261         | rVB2     | 269            | 304           | 0.04%           | 0.005%        |
| 33        | 5.404       | 1261          | 1264        | 1267         | rBV      | 262            | 176           | 0.02%           | 0.003%        |
| 34        | 5.571       | 1312          | 1316        | 1324         | rVB2     | 218            | 304           | 0.04%           | 0.005%        |
| 35        | 5.722       | 1342          | 1363        | 1391         | rBV2     | 263439         | 734512        | 100.00%         | 11.539%       |
| 36        | 5.867       | 1404          | 1408        | 1415         | rVB4     | 259            | 322           | 0.04%           | 0.005%        |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5B81

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\_U\Method\SFAMULM071122WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 5.951  | 1429 | 1434 | 1437 | rBV2 | 270    | 240    | 0.03%  | 0.004% |
| 38 | 6.002  | 1446 | 1450 | 1453 | rBV2 | 225    | 191    | 0.03%  | 0.003% |
| 39 | 6.247  | 1512 | 1526 | 1549 | rBV  | 237879 | 451206 | 61.43% | 7.089% |
| 40 | 6.420  | 1577 | 1580 | 1583 | rBV  | 256    | 192    | 0.03%  | 0.003% |
| 41 | 6.526  | 1605 | 1613 | 1622 | rVB3 | 2367   | 3703   | 0.50%  | 0.058% |
| 42 | 6.600  | 1630 | 1636 | 1637 | rBV  | 360    | 239    | 0.03%  | 0.004% |
| 43 | 6.690  | 1649 | 1664 | 1685 | rBV  | 189440 | 366733 | 49.93% | 5.762% |
| 44 | 6.767  | 1685 | 1688 | 1690 | rBV2 | 676    | 466    | 0.06%  | 0.007% |
| 45 | 6.832  | 1706 | 1708 | 1711 | rVB2 | 325    | 162    | 0.02%  | 0.003% |
| 46 | 6.880  | 1717 | 1723 | 1734 | rVB5 | 1168   | 2077   | 0.28%  | 0.033% |
| 47 | 6.925  | 1734 | 1737 | 1740 | rBV  | 423    | 266    | 0.04%  | 0.004% |
| 48 | 7.047  | 1770 | 1775 | 1781 | rBV2 | 192    | 249    | 0.03%  | 0.004% |
| 49 | 7.128  | 1795 | 1800 | 1801 | rBV2 | 700    | 476    | 0.06%  | 0.007% |
| 50 | 7.157  | 1807 | 1809 | 1811 | rBV2 | 329    | 212    | 0.03%  | 0.003% |
| 51 | 7.179  | 1813 | 1816 | 1817 | rBV2 | 722    | 402    | 0.05%  | 0.006% |
| 52 | 7.263  | 1837 | 1842 | 1846 | rBV2 | 259    | 274    | 0.04%  | 0.004% |
| 53 | 7.565  | 1921 | 1936 | 1955 | rVV  | 94239  | 161938 | 22.05% | 2.544% |
| 54 | 7.658  | 1961 | 1965 | 1966 | rBV2 | 290    | 184    | 0.03%  | 0.003% |
| 55 | 7.687  | 1969 | 1974 | 1980 | rVV3 | 791    | 927    | 0.13%  | 0.015% |
| 56 | 7.790  | 2001 | 2006 | 2012 | rBV3 | 615    | 835    | 0.11%  | 0.013% |
| 57 | 7.848  | 2020 | 2024 | 2026 | rBV2 | 242    | 182    | 0.02%  | 0.003% |
| 58 | 7.899  | 2026 | 2040 | 2061 | rBV  | 283701 | 489287 | 66.61% | 7.687% |
| 59 | 8.124  | 2107 | 2110 | 2115 | rBV  | 249    | 210    | 0.03%  | 0.003% |
| 60 | 8.179  | 2115 | 2127 | 2143 | rVV  | 66463  | 108338 | 14.75% | 1.702% |
| 61 | 8.263  | 2148 | 2153 | 2154 | rBV3 | 375    | 337    | 0.05%  | 0.005% |
| 62 | 8.475  | 2212 | 2219 | 2223 | rBV3 | 330    | 438    | 0.06%  | 0.007% |
| 63 | 8.632  | 2256 | 2268 | 2304 | rBV2 | 290094 | 580473 | 79.03% | 9.119% |
| 64 | 8.790  | 2310 | 2317 | 2329 | rVB5 | 6105   | 10032  | 1.37%  | 0.158% |
| 65 | 8.909  | 2349 | 2354 | 2357 | rBV  | 176    | 169    | 0.02%  | 0.003% |
| 66 | 9.057  | 2396 | 2400 | 2402 | rBV  | 267    | 202    | 0.03%  | 0.003% |
| 67 | 9.073  | 2402 | 2405 | 2408 | rVB2 | 302    | 222    | 0.03%  | 0.003% |
| 68 | 9.134  | 2419 | 2424 | 2426 | rBV  | 266    | 275    | 0.04%  | 0.004% |
| 69 | 9.327  | 2479 | 2484 | 2488 | rBV2 | 280    | 364    | 0.05%  | 0.006% |
| 70 | 9.417  | 2499 | 2512 | 2534 | rBV  | 333814 | 543940 | 74.05% | 8.546% |
| 71 | 9.568  | 2556 | 2559 | 2566 | rBV  | 253    | 243    | 0.03%  | 0.004% |
| 72 | 9.619  | 2570 | 2575 | 2577 | rBV2 | 319    | 332    | 0.05%  | 0.005% |
| 73 | 9.648  | 2580 | 2584 | 2595 | rVB2 | 872    | 1241   | 0.17%  | 0.019% |
| 74 | 9.693  | 2595 | 2598 | 2603 | rVB2 | 347    | 261    | 0.04%  | 0.004% |
| 75 | 9.719  | 2603 | 2606 | 2610 | rBV  | 236    | 180    | 0.02%  | 0.003% |
| 76 | 10.240 | 2759 | 2768 | 2777 | rBV5 | 3414   | 5447   | 0.74%  | 0.086% |

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Instrument :  
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 ClientSampleId :  
 F5B81

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\_U\Method\SFAMULM071122WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 10.346 | 2794 | 2801 | 2802 | rBV2 | 715    | 668    | 0.09%  | 0.010% |
| 78  | 10.443 | 2827 | 2831 | 2833 | rBV  | 259    | 210    | 0.03%  | 0.003% |
| 79  | 10.571 | 2867 | 2871 | 2875 | rBV2 | 322    | 284    | 0.04%  | 0.004% |
| 80  | 10.754 | 2916 | 2928 | 2945 | rBV  | 290043 | 459114 | 62.51% | 7.213% |
| 81  | 10.864 | 2957 | 2962 | 2969 | rBV2 | 791    | 1139   | 0.16%  | 0.018% |
| 82  | 11.324 | 3103 | 3105 | 3112 | rVV2 | 197    | 191    | 0.03%  | 0.003% |
| 83  | 11.481 | 3149 | 3154 | 3155 | rBV  | 754    | 596    | 0.08%  | 0.009% |
| 84  | 11.571 | 3178 | 3182 | 3185 | rBV3 | 630    | 662    | 0.09%  | 0.010% |
| 85  | 11.687 | 3214 | 3218 | 3224 | rBV4 | 1006   | 916    | 0.12%  | 0.014% |
| 86  | 11.812 | 3245 | 3257 | 3281 | rBV  | 287641 | 455471 | 62.01% | 7.156% |
| 87  | 11.899 | 3281 | 3284 | 3290 | rVB2 | 494    | 441    | 0.06%  | 0.007% |
| 88  | 12.066 | 3327 | 3336 | 3350 | rBV4 | 10306  | 18653  | 2.54%  | 0.293% |
| 89  | 12.124 | 3350 | 3354 | 3359 | rBV4 | 636    | 654    | 0.09%  | 0.010% |
| 90  | 12.192 | 3364 | 3375 | 3394 | rVV  | 290404 | 462535 | 62.97% | 7.267% |
| 91  | 12.391 | 3433 | 3437 | 3441 | rBV2 | 261    | 279    | 0.04%  | 0.004% |
| 92  | 12.764 | 3550 | 3553 | 3555 | rBV2 | 265    | 179    | 0.02%  | 0.003% |
| 93  | 12.893 | 3587 | 3593 | 3600 | rVB4 | 1101   | 1445   | 0.20%  | 0.023% |
| 94  | 13.442 | 3761 | 3764 | 3767 | rBV3 | 321    | 211    | 0.03%  | 0.003% |
| 95  | 13.783 | 3867 | 3870 | 3873 | rBV  | 438    | 293    | 0.04%  | 0.005% |
| 96  | 14.536 | 4101 | 4104 | 4105 | rBV2 | 272    | 165    | 0.02%  | 0.003% |
| 97  | 14.799 | 4180 | 4186 | 4196 | rBV3 | 470    | 887    | 0.12%  | 0.014% |
| 98  | 14.867 | 4204 | 4207 | 4212 | rVB  | 423    | 378    | 0.05%  | 0.006% |
| 99  | 15.175 | 4299 | 4303 | 4305 | rBV  | 461    | 333    | 0.05%  | 0.005% |
| 100 | 16.008 | 4560 | 4562 | 4564 | rBV  | 499    | 228    | 0.03%  | 0.004% |

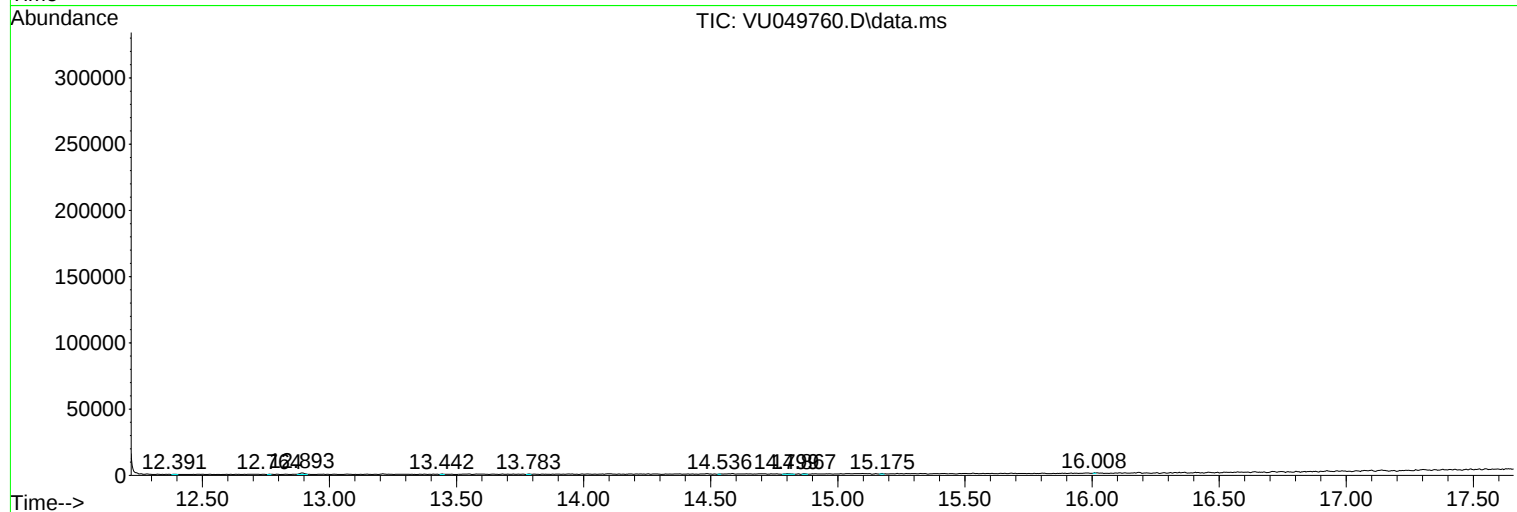
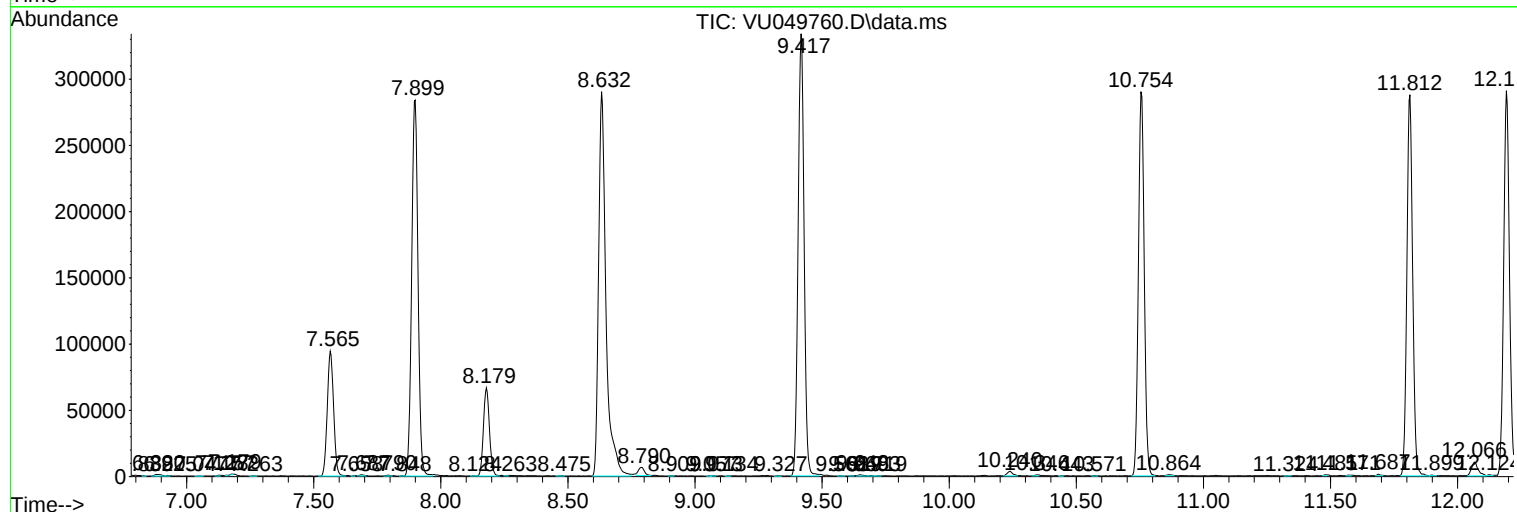
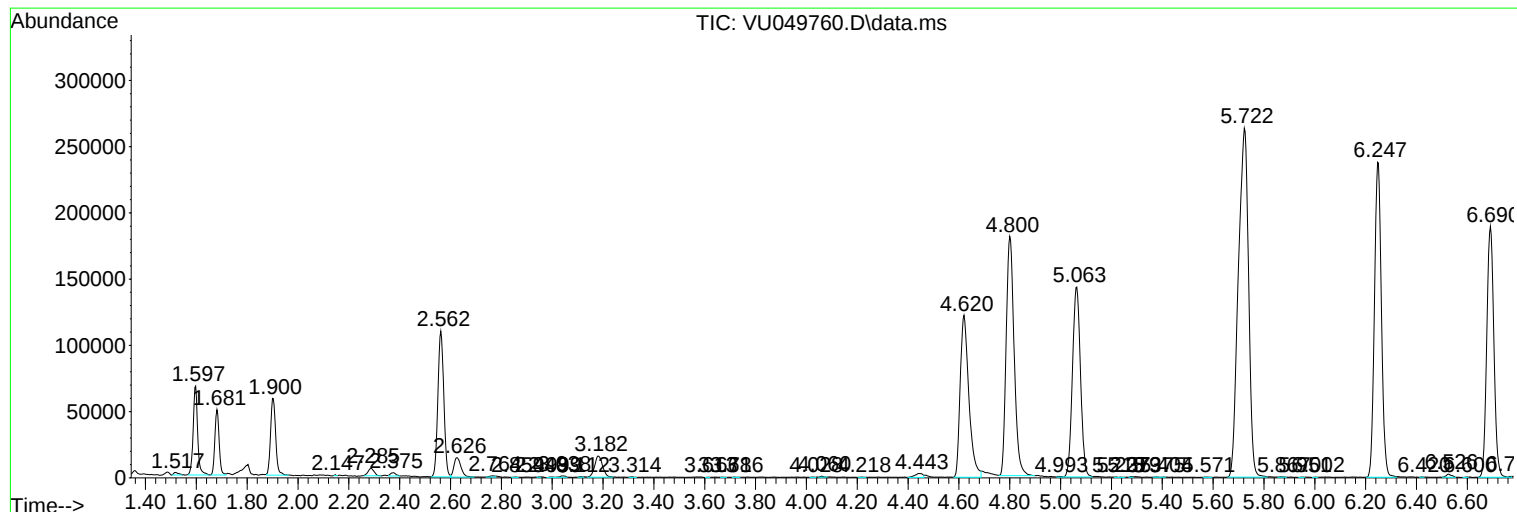
Sum of corrected areas: 6365211

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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071822\  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
F5B81

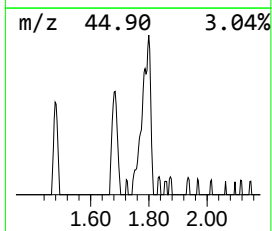
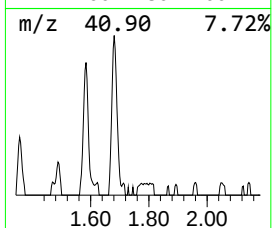
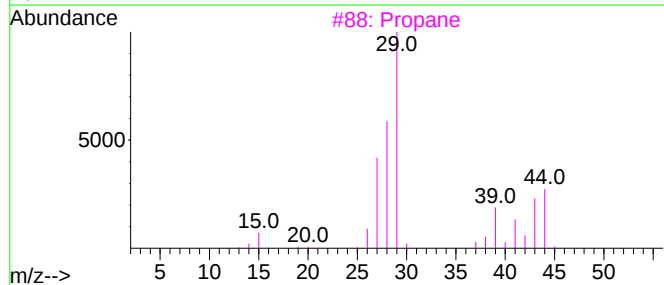
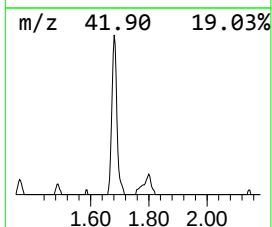
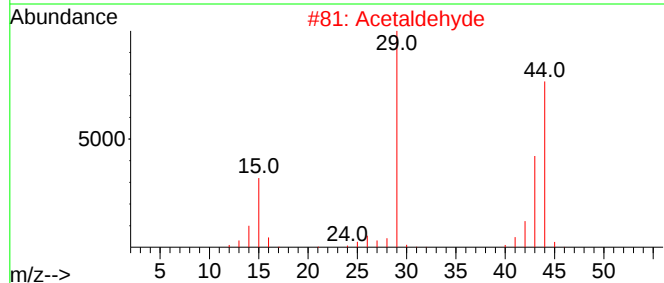
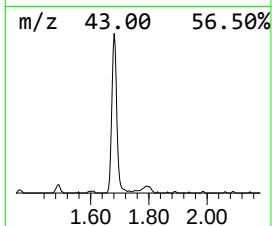
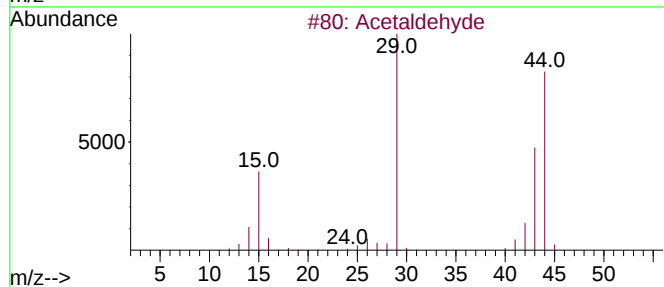
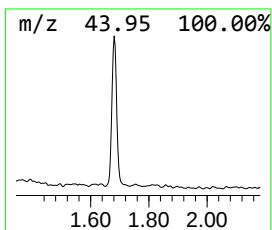
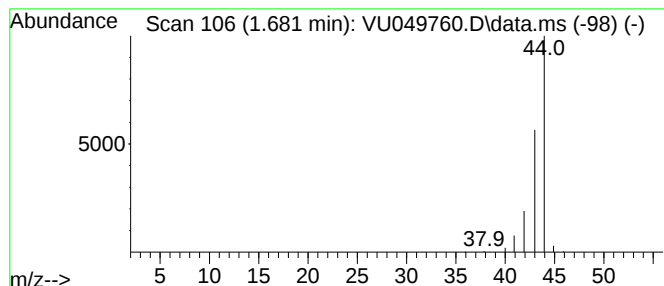
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Acetaldehyde Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.681 | 6.30 ug/L | 56827 | 1,4-Difluorobenzene | 6.250 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 74   |
| 2    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 74   |
| 3    |    |   | Propane        | 44 | C3H8    | 000074-98-6 | 5    |
| 4    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |
| 5    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |



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ALS Vial : 12 Sample Multiplier: 1

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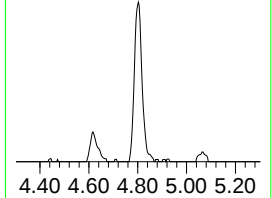
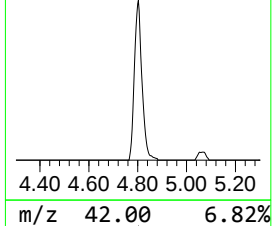
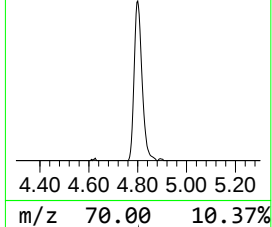
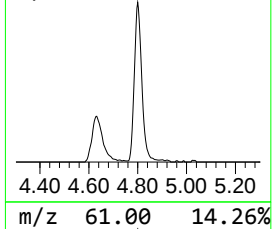
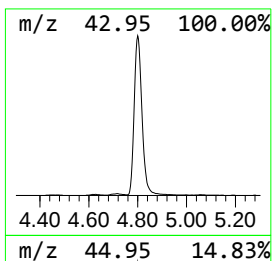
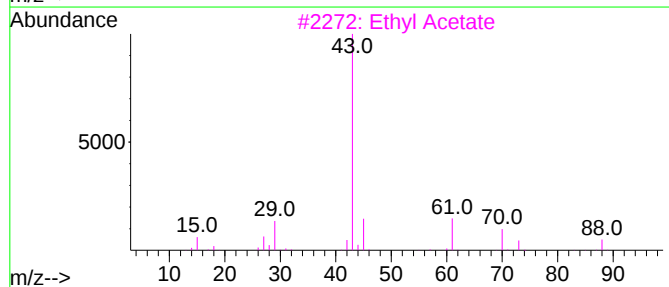
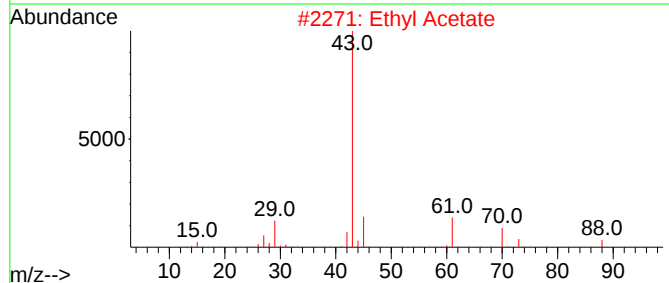
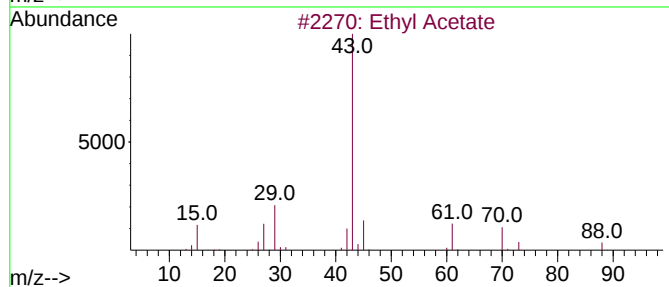
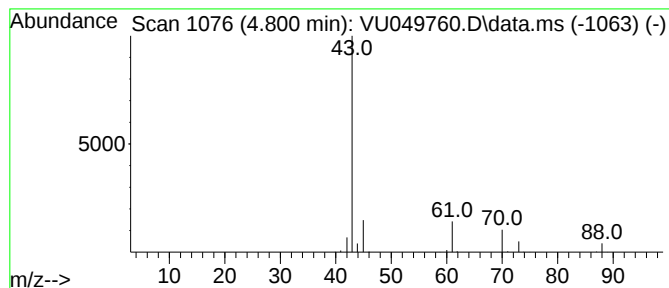
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 Ethyl Acetate Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 4.800 | 43.47 ug/L | 392293 | 1,4-Difluorobenzene | 6.250 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------|----|---------|-------------|------|
| 1    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 2    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 3    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 4    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 50   |
| 5    |    |   | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071822\  
Data File : VU049760.D  
Acq On : 18 Jul 2022 14:52  
Operator : SY/MD  
Sample : N3744-20  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F5B81

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.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 |
| Acetaldehyde     | 1.681 | 6.3     | ug/L  | 56827    | 1                     | 6.250 | 451206 | 50.0 |
| Ethyl Acetate    | 4.800 | 43.5    | ug/L  | 392293   | 1                     | 6.250 | 451206 | 50.0 |