

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
 Data File : VV027149.D  
 Acq On : 02 Aug 2022 00:58  
 Operator : SY/MD  
 Sample : N3956-08DL 20X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXF05DL

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\SFAMVLM080122WMA.M  
 Title : VOC Analysis

Signal : TIC: VV027149.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         | 1.105       | 13            | 20          | 67           | rBV      | 13995317       | 15011117      | 92.79%          | 24.156%       |
| 2         | 1.304       | 75            | 82          | 101          | rVB      | 354953         | 420801        | 2.60%           | 0.677%        |
| 3         | 1.558       | 154           | 161         | 171          | rBV      | 196319         | 221881        | 1.37%           | 0.357%        |
| 4         | 2.053       | 306           | 315         | 320          | rBV2     | 37332          | 58566         | 0.36%           | 0.094%        |
| 5         | 2.098       | 320           | 329         | 342          | rVB      | 669733         | 942229        | 5.82%           | 1.516%        |
| 6         | 2.285       | 381           | 387         | 395          | rBV3     | 2573           | 4136          | 0.03%           | 0.007%        |
| 7         | 2.500       | 446           | 454         | 473          | rVB3     | 22401          | 40007         | 0.25%           | 0.064%        |
| 8         | 2.616       | 479           | 490         | 499          | rBV      | 19902          | 43439         | 0.27%           | 0.070%        |
| 9         | 2.831       | 545           | 557         | 565          | rBV9     | 3313           | 6830          | 0.04%           | 0.011%        |
| 10        | 2.899       | 575           | 578         | 583          | rVB4     | 733            | 615           | 0.00%           | 0.001%        |
| 11        | 2.925       | 583           | 586         | 590          | rBV3     | 781            | 773           | 0.00%           | 0.001%        |
| 12        | 2.954       | 593           | 595         | 605          | rVB5     | 934            | 1065          | 0.01%           | 0.002%        |
| 13        | 3.027       | 612           | 618         | 619          | rBV2     | 850            | 682           | 0.00%           | 0.001%        |
| 14        | 3.188       | 661           | 668         | 675          | rVB5     | 2715           | 4509          | 0.03%           | 0.007%        |
| 15        | 3.288       | 688           | 699         | 700          | rBV6     | 1002           | 1288          | 0.01%           | 0.002%        |
| 16        | 3.323       | 706           | 710         | 714          | rVB4     | 858            | 738           | 0.00%           | 0.001%        |
| 17        | 3.490       | 758           | 762         | 769          | rBV8     | 1059           | 1638          | 0.01%           | 0.003%        |
| 18        | 3.687       | 815           | 823         | 832          | rBV3     | 1442           | 2462          | 0.02%           | 0.004%        |
| 19        | 3.876       | 872           | 882         | 934          | rBV      | 175514         | 556637        | 3.44%           | 0.896%        |
| 20        | 4.272       | 1000          | 1005        | 1007         | rBV5     | 480            | 476           | 0.00%           | 0.001%        |
| 21        | 4.339       | 1007          | 1026        | 1061         | rBV      | 404607         | 1017081       | 6.29%           | 1.637%        |
| 22        | 4.661       | 1115          | 1126        | 1127         | rBV4     | 2320           | 2523          | 0.02%           | 0.004%        |
| 23        | 5.040       | 1222          | 1244        | 1252         | rBV2     | 1001279        | 2476605       | 15.31%          | 3.985%        |
| 24        | 5.613       | 1410          | 1422        | 1453         | rBV      | 675893         | 1395644       | 8.63%           | 2.246%        |
| 25        | 5.892       | 1497          | 1509        | 1538         | rBV2     | 114549         | 289851        | 1.79%           | 0.466%        |
| 26        | 6.063       | 1549          | 1562        | 1582         | rBV      | 548607         | 1137034       | 7.03%           | 1.830%        |
| 27        | 6.166       | 1586          | 1594        | 1615         | rVB2     | 97822          | 209099        | 1.29%           | 0.336%        |
| 28        | 6.371       | 1640          | 1658        | 1692         | rBV      | 291215         | 592512        | 3.66%           | 0.953%        |
| 29        | 6.632       | 1732          | 1739        | 1749         | rBV8     | 5038           | 8869          | 0.05%           | 0.014%        |
| 30        | 6.719       | 1759          | 1766        | 1775         | rBV8     | 4504           | 7998          | 0.05%           | 0.013%        |
| 31        | 6.841       | 1802          | 1804        | 1807         | rBV3     | 673            | 496           | 0.00%           | 0.001%        |
| 32        | 6.895       | 1807          | 1821        | 1838         | rVV      | 983984         | 1813433       | 11.21%          | 2.918%        |
| 33        | 6.982       | 1839          | 1848        | 1875         | rVB      | 316345         | 586301        | 3.62%           | 0.943%        |
| 34        | 7.240       | 1919          | 1928        | 1937         | rBV7     | 3587           | 7308          | 0.05%           | 0.012%        |
| 35        | 7.313       | 1939          | 1951        | 1967         | rVV      | 1199112        | 2082922       | 12.88%          | 3.352%        |
| 36        | 7.404       | 1968          | 1979        | 2019         | rVB      | 1814019        | 3279801       | 20.27%          | 5.278%        |

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Peak separation: 5

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 Title : VOC Analysis

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 37 | 7.619  | 2035 | 2046 | 2073 | rBV  | 206246  | 357717   | 2.21%   | 0.576%  |
| 38 | 7.786  | 2086 | 2098 | 2120 | rBV  | 201729  | 379424   | 2.35%   | 0.611%  |
| 39 | 7.931  | 2138 | 2143 | 2144 | rBV4 | 1833    | 1327     | 0.01%   | 0.002%  |
| 40 | 8.008  | 2152 | 2167 | 2183 | rBV  | 9759680 | 16176862 | 100.00% | 26.032% |
| 41 | 8.088  | 2183 | 2192 | 2224 | rVB  | 657024  | 1247639  | 7.71%   | 2.008%  |
| 42 | 8.368  | 2277 | 2279 | 2283 | rBV5 | 1048    | 776      | 0.00%   | 0.001%  |
| 43 | 8.448  | 2295 | 2304 | 2318 | rVB3 | 15634   | 29096    | 0.18%   | 0.047%  |
| 44 | 8.629  | 2350 | 2360 | 2374 | rBV2 | 44909   | 83274    | 0.51%   | 0.134%  |
| 45 | 8.812  | 2407 | 2417 | 2419 | rBV2 | 50973   | 63236    | 0.39%   | 0.102%  |
| 46 | 8.850  | 2420 | 2429 | 2434 | rBV  | 1074383 | 1710104  | 10.57%  | 2.752%  |
| 47 | 9.146  | 2519 | 2521 | 2523 | rBV3 | 1209    | 651      | 0.00%   | 0.001%  |
| 48 | 9.294  | 2557 | 2567 | 2582 | rBV4 | 18628   | 34387    | 0.21%   | 0.055%  |
| 49 | 9.381  | 2582 | 2594 | 2609 | rBV  | 98103   | 162630   | 1.01%   | 0.262%  |
| 50 | 9.548  | 2638 | 2646 | 2647 | rBV5 | 1701    | 1783     | 0.01%   | 0.003%  |
| 51 | 9.616  | 2664 | 2667 | 2670 | rVB3 | 620     | 417      | 0.00%   | 0.001%  |
| 52 | 9.706  | 2689 | 2695 | 2704 | rVB5 | 3684    | 5961     | 0.04%   | 0.010%  |
| 53 | 9.780  | 2714 | 2718 | 2720 | rBV2 | 652     | 588      | 0.00%   | 0.001%  |
| 54 | 9.828  | 2726 | 2733 | 2734 | rBV6 | 1889    | 1898     | 0.01%   | 0.003%  |
| 55 | 9.895  | 2751 | 2754 | 2759 | rBV3 | 465     | 392      | 0.00%   | 0.001%  |
| 56 | 10.001 | 2776 | 2787 | 2800 | rBV8 | 5093    | 14085    | 0.09%   | 0.023%  |
| 57 | 10.079 | 2802 | 2811 | 2822 | rVB2 | 49587   | 80487    | 0.50%   | 0.130%  |
| 58 | 10.214 | 2837 | 2853 | 2883 | rBV2 | 1039054 | 1670218  | 10.32%  | 2.688%  |
| 59 | 10.358 | 2890 | 2898 | 2904 | rBV6 | 15521   | 23547    | 0.15%   | 0.038%  |
| 60 | 10.407 | 2904 | 2913 | 2928 | rVB  | 52340   | 86718    | 0.54%   | 0.140%  |
| 61 | 10.532 | 2946 | 2952 | 2957 | rBV5 | 619     | 787      | 0.00%   | 0.001%  |
| 62 | 10.583 | 2963 | 2968 | 2970 | rBV2 | 570     | 424      | 0.00%   | 0.001%  |
| 63 | 10.645 | 2978 | 2987 | 2988 | rBV5 | 2074    | 2636     | 0.02%   | 0.004%  |
| 64 | 10.683 | 2988 | 2999 | 3014 | rVV2 | 111702  | 189557   | 1.17%   | 0.305%  |
| 65 | 10.783 | 3025 | 3030 | 3033 | rVB5 | 738     | 607      | 0.00%   | 0.001%  |
| 66 | 10.828 | 3033 | 3044 | 3062 | rVB6 | 12071   | 23259    | 0.14%   | 0.037%  |
| 67 | 10.911 | 3062 | 3070 | 3077 | rBV8 | 2362    | 3711     | 0.02%   | 0.006%  |
| 68 | 10.963 | 3077 | 3086 | 3096 | rVV2 | 19543   | 31514    | 0.19%   | 0.051%  |
| 69 | 11.024 | 3097 | 3105 | 3118 | rVB5 | 12290   | 22698    | 0.14%   | 0.037%  |
| 70 | 11.169 | 3139 | 3150 | 3163 | rBV2 | 80085   | 137910   | 0.85%   | 0.222%  |
| 71 | 11.246 | 3163 | 3174 | 3185 | rVV  | 1089160 | 1672339  | 10.34%  | 2.691%  |
| 72 | 11.300 | 3186 | 3191 | 3211 | rVV2 | 91797   | 153972   | 0.95%   | 0.248%  |
| 73 | 11.397 | 3212 | 3221 | 3231 | rVB6 | 17157   | 27064    | 0.17%   | 0.044%  |
| 74 | 11.468 | 3240 | 3243 | 3257 | rVB6 | 8766    | 10284    | 0.06%   | 0.017%  |
| 75 | 11.526 | 3258 | 3261 | 3262 | rBV2 | 759     | 408      | 0.00%   | 0.001%  |
| 76 | 11.551 | 3262 | 3269 | 3278 | rVB8 | 5749    | 8020     | 0.05%   | 0.013%  |

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Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |       |         |         |        |        |
|-----|--------|------|------|------|-------|---------|---------|--------|--------|
| 77  | 11.622 | 3278 | 3291 | 3322 | rBV2  | 1177112 | 2204281 | 13.63% | 3.547% |
| 78  | 11.915 | 3372 | 3382 | 3395 | rBV2  | 37295   | 58336   | 0.36%  | 0.094% |
| 79  | 12.056 | 3422 | 3426 | 3438 | rVB10 | 2115    | 3052    | 0.02%  | 0.005% |
| 80  | 12.153 | 3446 | 3456 | 3473 | rVB2  | 42123   | 65487   | 0.40%  | 0.105% |
| 81  | 12.249 | 3480 | 3486 | 3495 | rVB7  | 2486    | 3846    | 0.02%  | 0.006% |
| 82  | 12.320 | 3499 | 3508 | 3521 | rBV7  | 7721    | 18484   | 0.11%  | 0.030% |
| 83  | 12.394 | 3521 | 3531 | 3552 | rVB   | 235175  | 374998  | 2.32%  | 0.603% |
| 84  | 12.583 | 3585 | 3590 | 3591 | rBV2  | 1366    | 942     | 0.01%  | 0.002% |
| 85  | 12.651 | 3606 | 3611 | 3618 | rBV5  | 1935    | 3092    | 0.02%  | 0.005% |
| 86  | 12.751 | 3636 | 3642 | 3650 | rBV7  | 3926    | 5787    | 0.04%  | 0.009% |
| 87  | 12.815 | 3651 | 3662 | 3683 | rBV   | 511859  | 768823  | 4.75%  | 1.237% |
| 88  | 13.156 | 3761 | 3768 | 3775 | rBV8  | 2781    | 3823    | 0.02%  | 0.006% |
| 89  | 13.201 | 3775 | 3782 | 3787 | rBV6  | 12050   | 19017   | 0.12%  | 0.031% |
| 90  | 13.374 | 3833 | 3836 | 3840 | rBV2  | 519     | 552     | 0.00%  | 0.001% |
| 91  | 13.477 | 3861 | 3868 | 3877 | rBV8  | 4355    | 7006    | 0.04%  | 0.011% |
| 92  | 13.644 | 3916 | 3920 | 3922 | rBV2  | 686     | 546     | 0.00%  | 0.001% |
| 93  | 13.792 | 3959 | 3966 | 3975 | rVB9  | 3511    | 4734    | 0.03%  | 0.008% |
| 94  | 13.857 | 3975 | 3986 | 3992 | rBV   | 95538   | 147223  | 0.91%  | 0.237% |
| 95  | 13.905 | 3992 | 4001 | 4026 | rVB   | 356848  | 598335  | 3.70%  | 0.963% |
| 96  | 14.368 | 4136 | 4145 | 4151 | rBV5  | 13097   | 20659   | 0.13%  | 0.033% |
| 97  | 14.648 | 4226 | 4232 | 4236 | rBV8  | 1294    | 1584    | 0.01%  | 0.003% |
| 98  | 14.966 | 4319 | 4331 | 4350 | rBV   | 785907  | 1171407 | 7.24%  | 1.885% |
| 99  | 15.355 | 4449 | 4452 | 4457 | rBV6  | 1153    | 923     | 0.01%  | 0.001% |
| 100 | 15.802 | 4584 | 4591 | 4599 | rBV4  | 10732   | 14696   | 0.09%  | 0.024% |

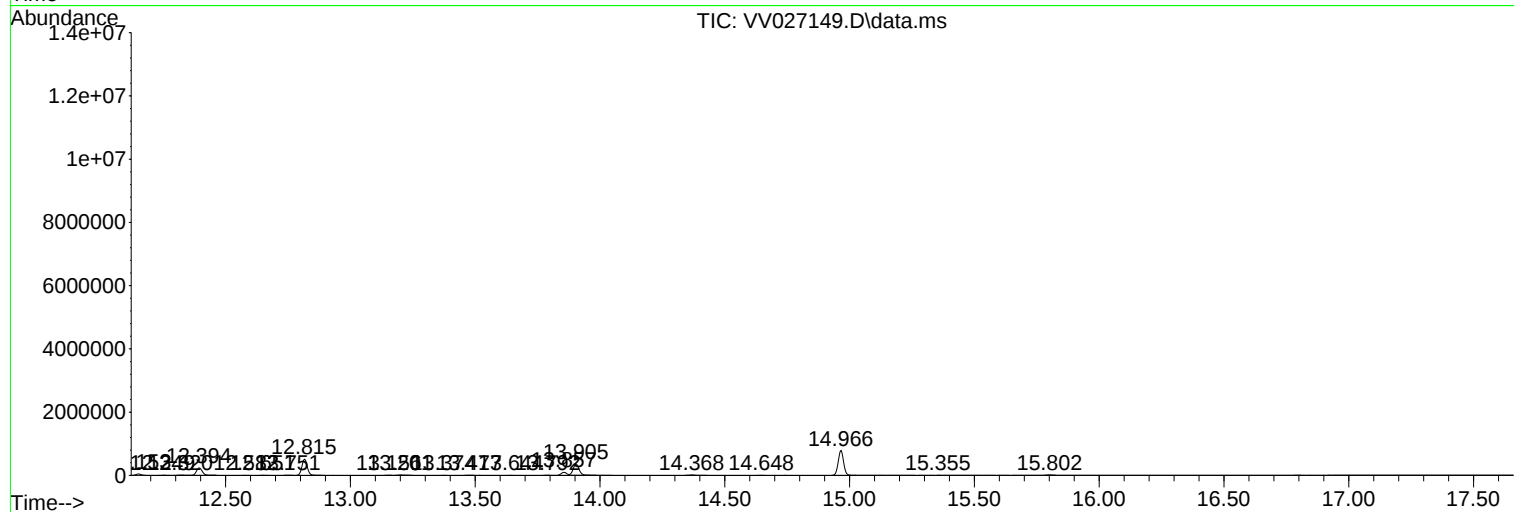
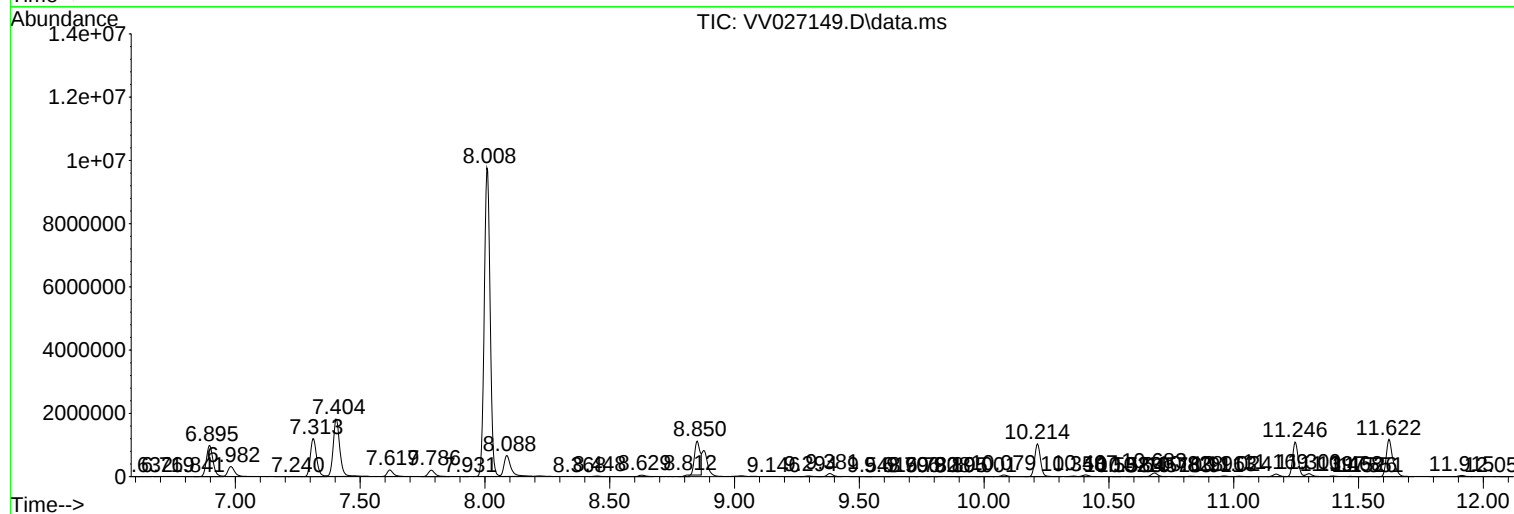
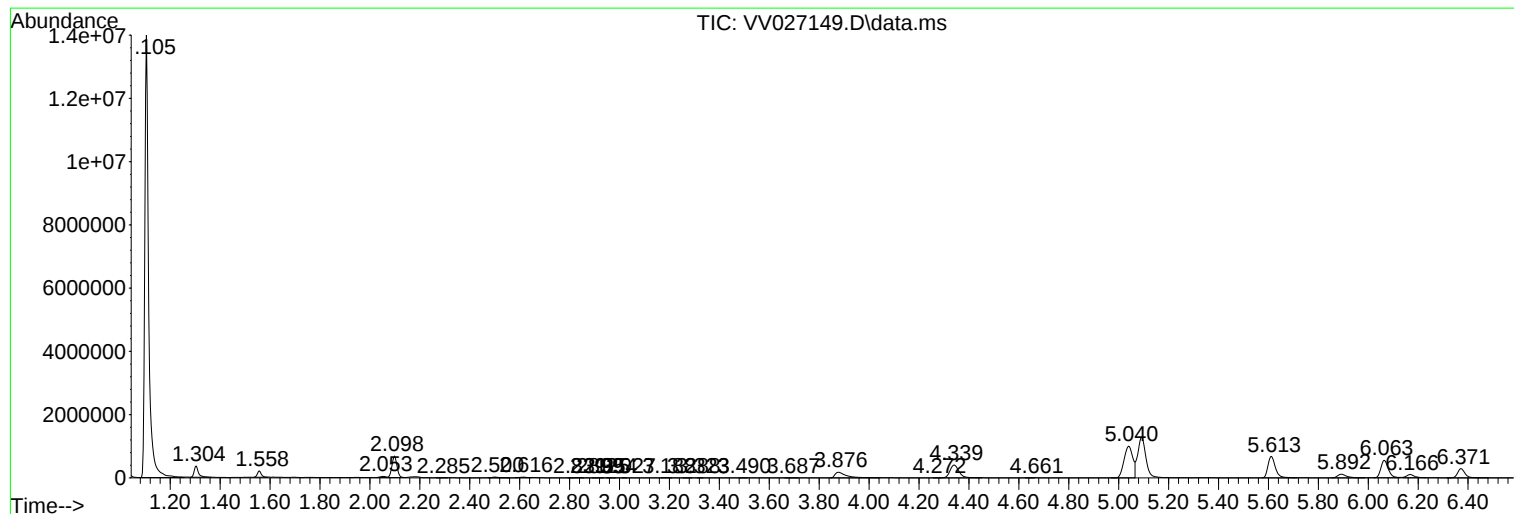
Sum of corrected areas: 62143406

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
Quant Title : VOC Analysis

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



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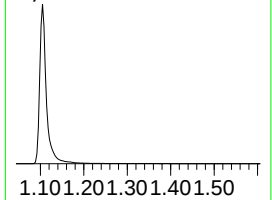
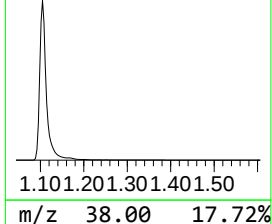
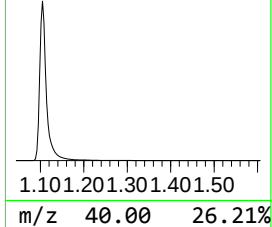
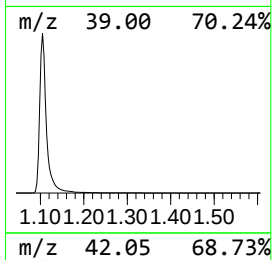
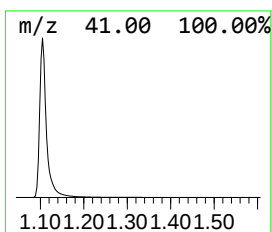
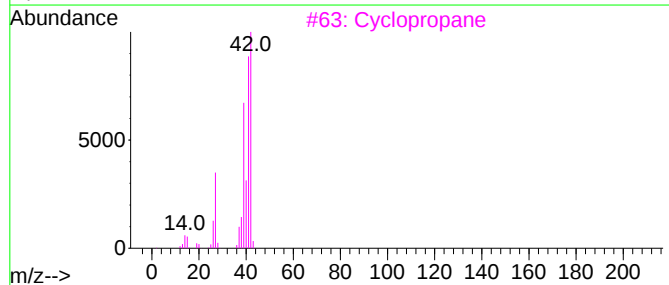
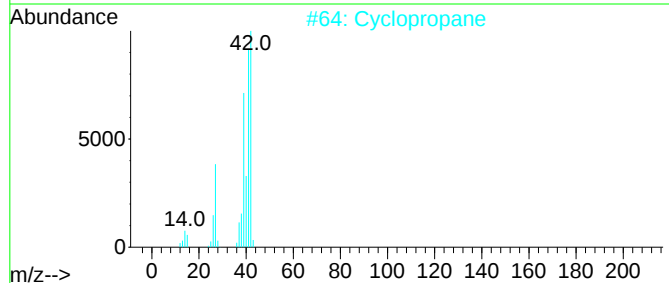
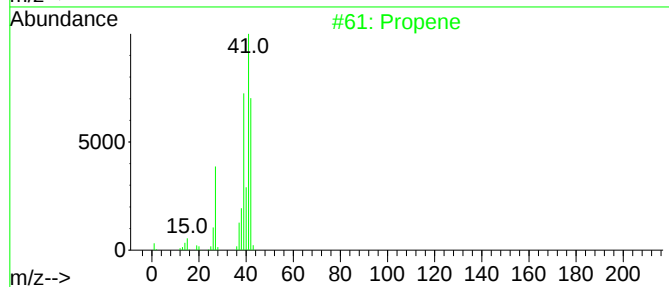
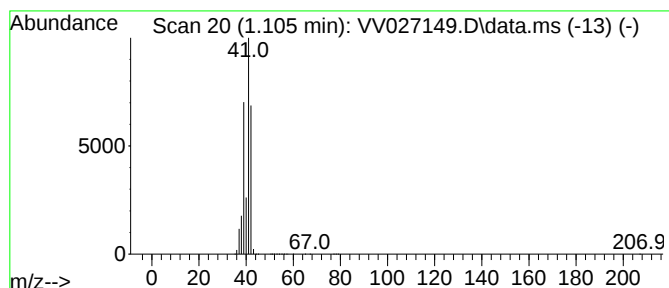
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc     | Area     | Relative to ISTD    | R.T.  |
|-------|-------------|----------|---------------------|-------|
| 1.105 | 537.78 ug/L | 15011100 | 1,4-Difluorobenzene | 5.613 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Propene      | 42 | C3H6    | 000115-07-1 | 90   |
| 2    |    |   | Cyclopropane | 42 | C3H6    | 000075-19-4 | 86   |
| 3    |    |   | Cyclopropane | 42 | C3H6    | 000075-19-4 | 78   |
| 4    |    |   | Propene      | 42 | C3H6    | 000115-07-1 | 50   |
| 5    |    |   | Cyclopropene | 40 | C3H4    | 002781-85-3 | 16   |



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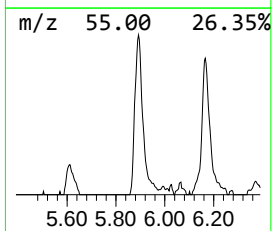
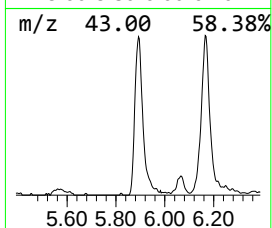
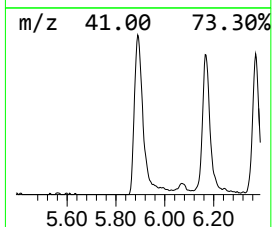
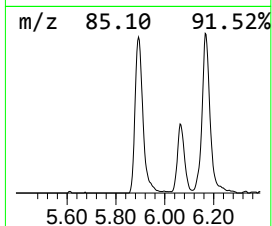
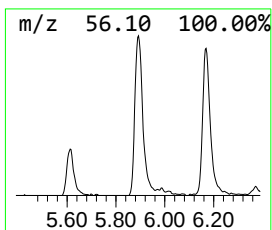
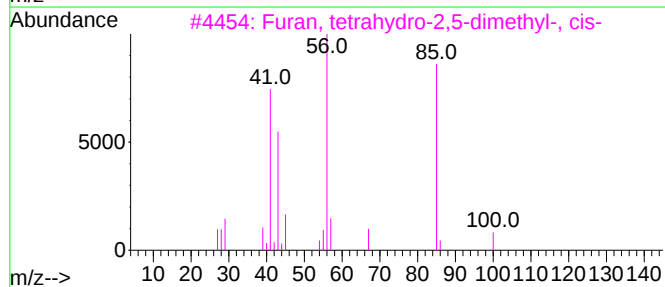
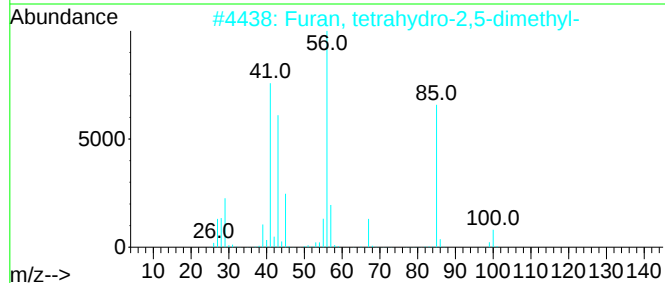
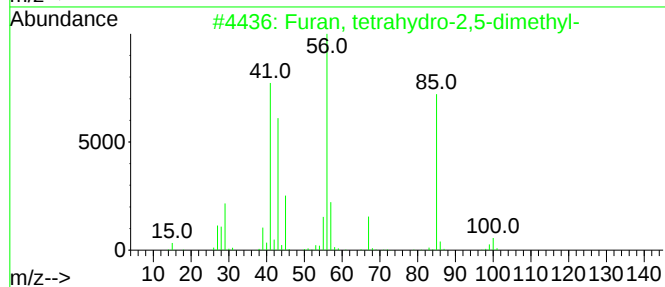
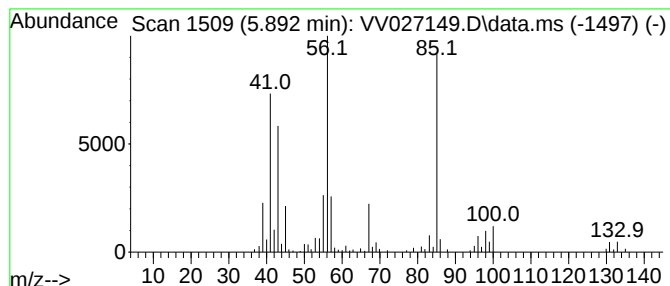
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Furan, tetrahydro-2,5-dimet... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 5.892 | 10.38 ug/L | 289851 | 1,4-Difluorobenzene | 5.613 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Furan, tetrahydro-2,5-dimethyl-     | 100 | C6H12O  | 001003-38-9 | 90   |
| 2    |    |   | Furan, tetrahydro-2,5-dimethyl-     | 100 | C6H12O  | 001003-38-9 | 80   |
| 3    |    |   | Furan, tetrahydro-2,5-dimethyl-,... | 100 | C6H12O  | 002144-41-4 | 74   |
| 4    |    |   | Furan, tetrahydro-2,5-dimethyl-,... | 100 | C6H12O  | 038484-59-2 | 72   |
| 5    |    |   | Furan, tetrahydro-2,5-dimethyl-     | 100 | C6H12O  | 001003-38-9 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
Quant Title : VOC Analysis

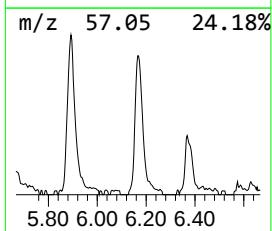
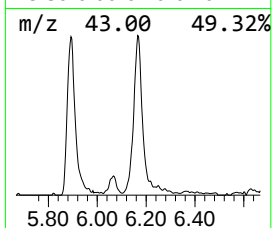
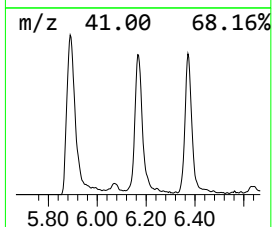
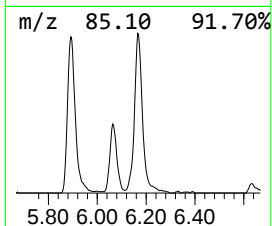
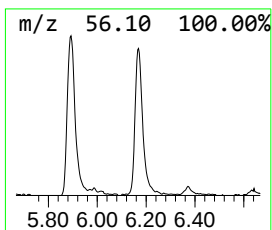
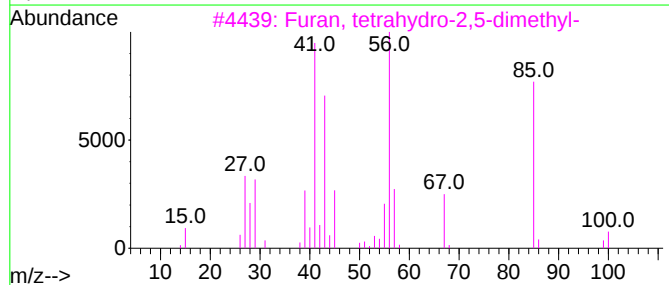
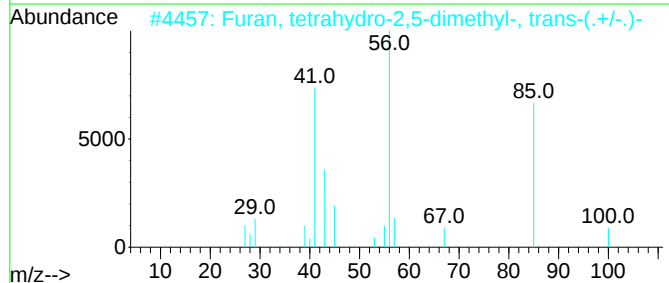
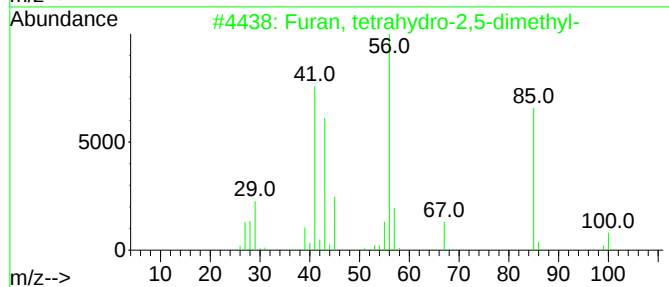
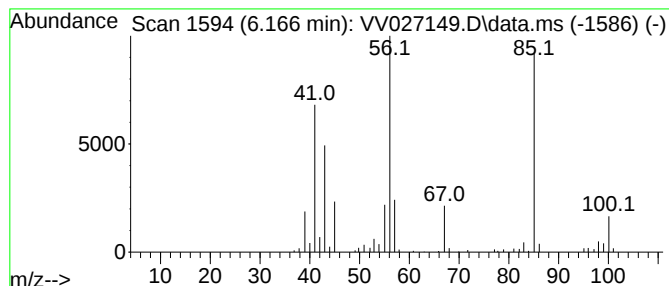
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Furan, tetrahydro-2,5-dimet... Concentration Rank 12

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 6.166 | 7.49 ug/L | 209099 | 1,4-Difluorobenzene | 5.613 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Furan, tetrahydro-2,5-dimethyl-     | 100 | C6H12O  | 001003-38-9 | 90   |
| 2    |    |   | Furan, tetrahydro-2,5-dimethyl-,... | 100 | C6H12O  | 038484-59-2 | 80   |
| 3    |    |   | Furan, tetrahydro-2,5-dimethyl-     | 100 | C6H12O  | 001003-38-9 | 78   |
| 4    |    |   | Furan, tetrahydro-2,5-dimethyl-     | 100 | C6H12O  | 001003-38-9 | 53   |
| 5    |    |   | 4-Penten-2-ol, 4-methyl-            | 100 | C6H12O  | 002004-67-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

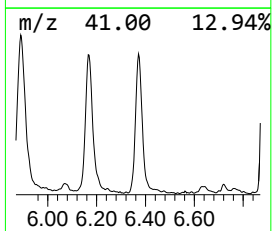
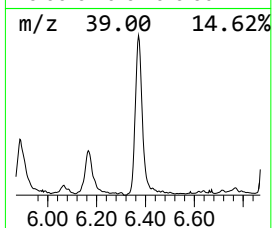
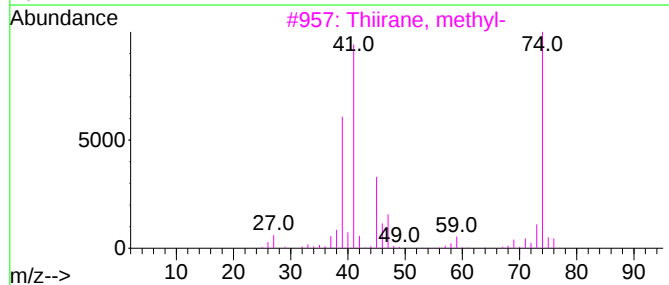
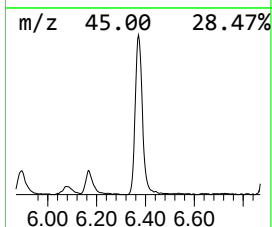
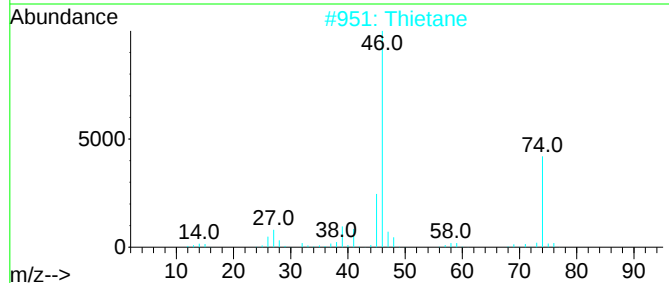
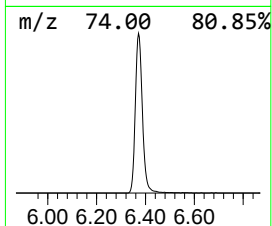
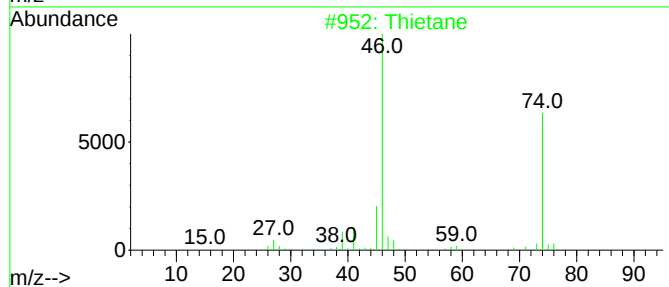
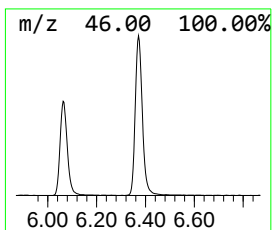
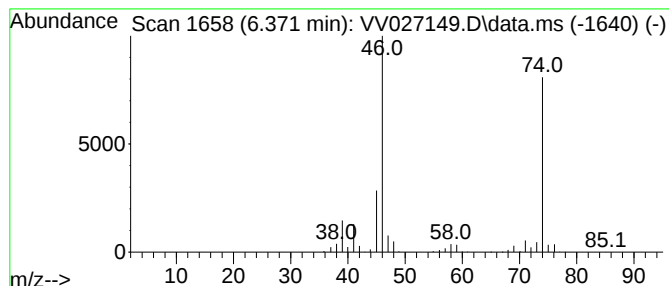
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 4 Thietane Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 6.371 | 21.23 ug/L | 592512 | 1,4-Difluorobenzene | 5.613 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Thietane          | 74 | C3H6S   | 000287-27-4 | 91   |
| 2    |    |   | Thietane          | 74 | C3H6S   | 000287-27-4 | 90   |
| 3    |    |   | Thiirane, methyl- | 74 | C3H6S   | 001072-43-1 | 25   |
| 4    |    |   | Thiirane, methyl- | 74 | C3H6S   | 001072-43-1 | 9    |
| 5    |    |   | Allyl mercaptan   | 74 | C3H6S   | 000870-23-5 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

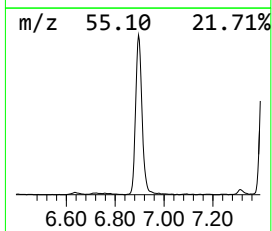
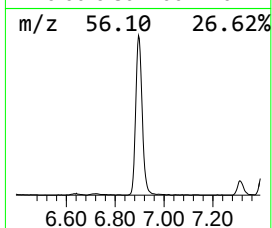
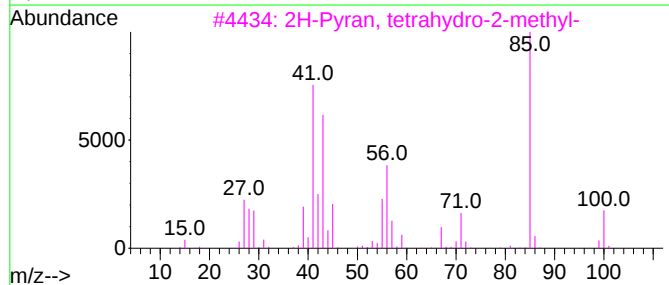
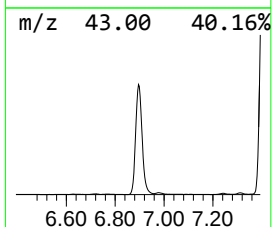
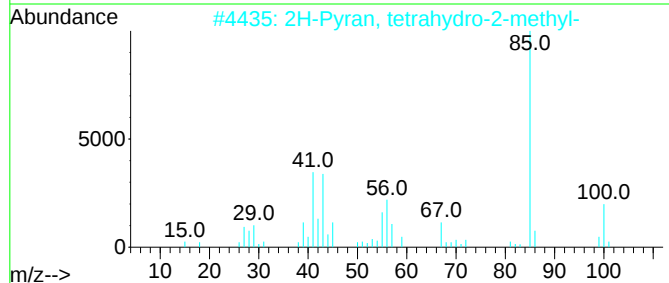
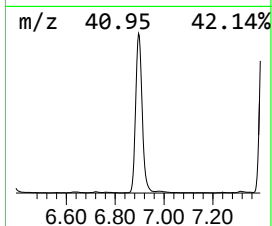
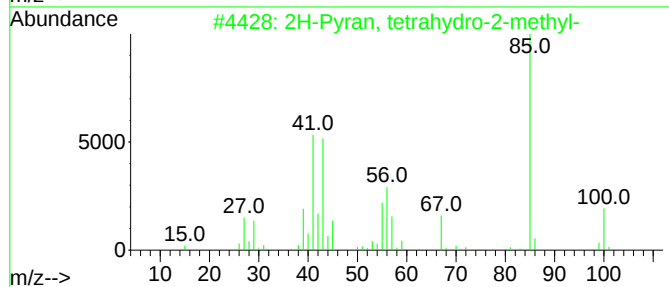
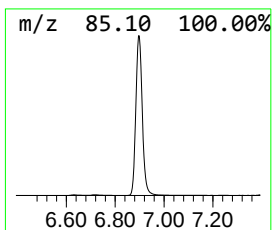
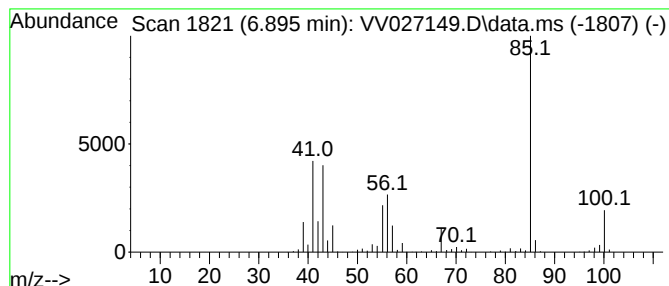
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Quant Title : VOC Analysis

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

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Peak Number 5 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 6.895 | 64.97 ug/L | 1813430 | 1,4-Difluorobenzene | 5.613 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2H-Pyran, tetrahydro-2-methyl-      | 100 | C6H12O       | 010141-72-7 | 97      |      |      |
| 2    | 2H-Pyran, tetrahydro-2-methyl-      | 100 | C6H12O       | 010141-72-7 | 91      |      |      |
| 3    | 2H-Pyran, tetrahydro-2-methyl-      | 100 | C6H12O       | 010141-72-7 | 91      |      |      |
| 4    | 2H-Pyran, tetrahydro-2-methyl-      | 100 | C6H12O       | 010141-72-7 | 78      |      |      |
| 5    | Furan, tetrahydro-2,4-dimethyl-,... | 100 | C6H12O       | 039168-01-9 | 72      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

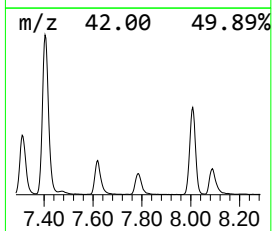
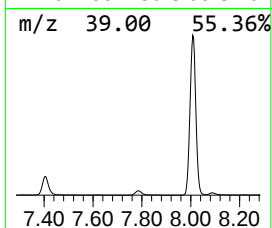
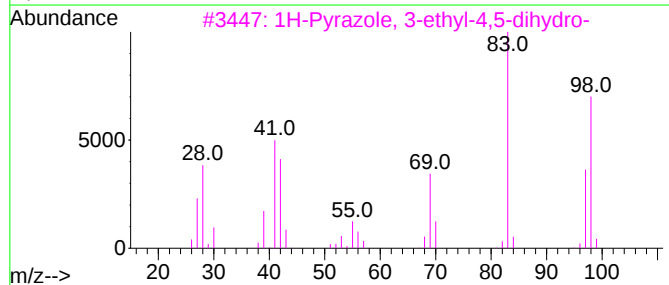
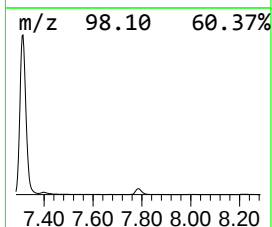
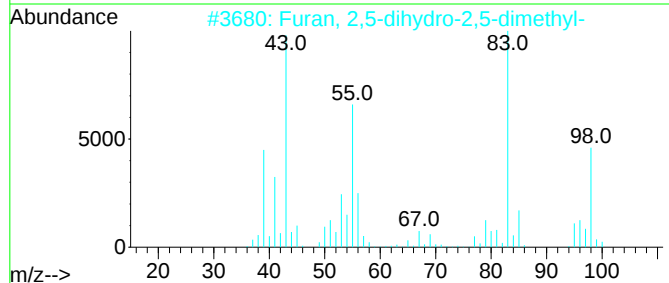
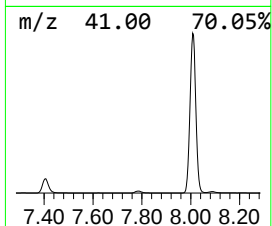
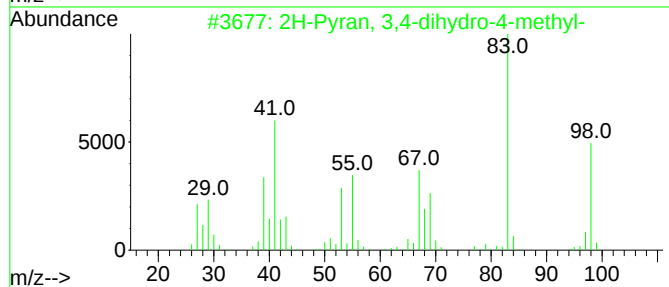
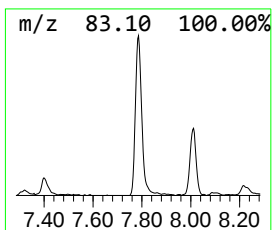
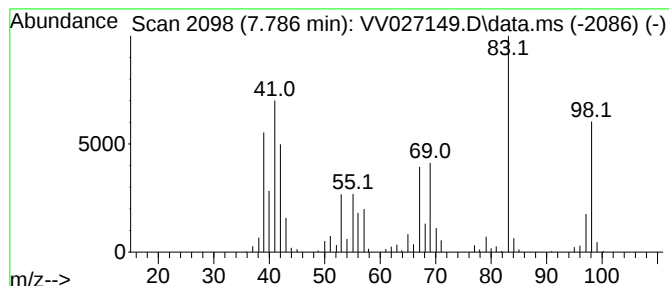
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MSVOA\_V  
ClientSampleId :  
EXF05DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 7 2H-Pyran, 3,4-dihydro-4-met... Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 7.786     | 11.09 ug/L                          | 379424 | Chlorobenzene-d5 | 8.850       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 2H-Pyran, 3,4-dihydro-4-methyl-     | 98     | C6H10O           | 002270-61-3 | 58   |
| 2         | Furan, 2,5-dihydro-2,5-dimethyl-    | 98     | C6H10O           | 059242-27-2 | 52   |
| 3         | 1H-Pyrazole, 3-ethyl-4,5-dihydro-   | 98     | C5H10N2          | 005920-29-6 | 49   |
| 4         | 1H-Pyrazole, 4,5-dihydro-5,5-dim... | 98     | C5H10N2          | 004320-85-8 | 47   |
| 5         | 1H-Pyrazole, 4,5-dihydro-4,5-dim... | 98     | C5H10N2          | 028019-94-5 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

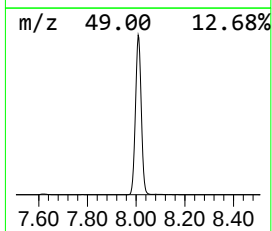
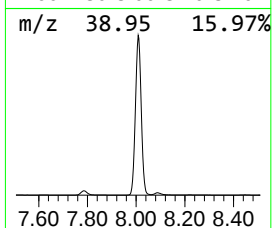
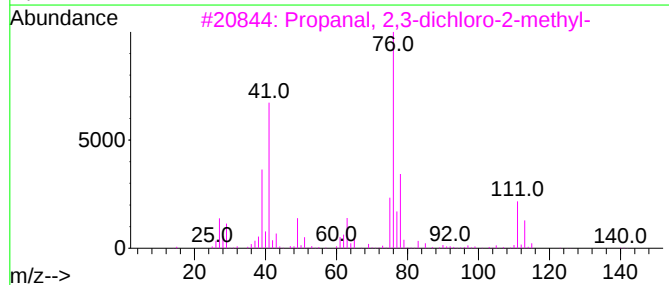
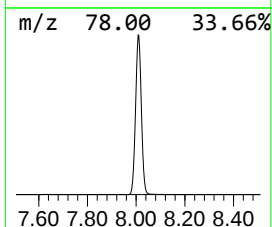
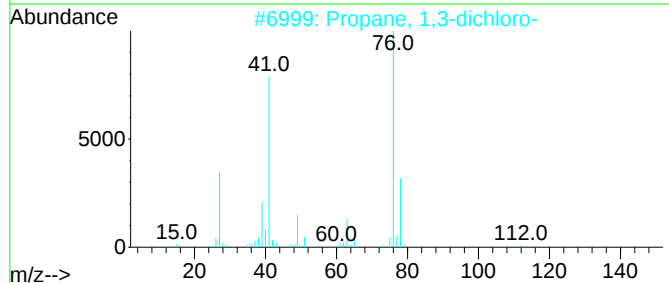
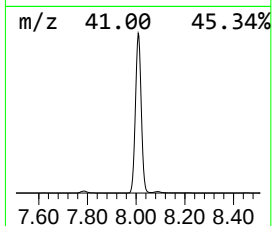
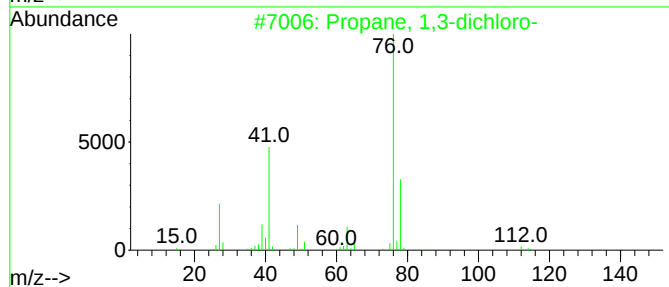
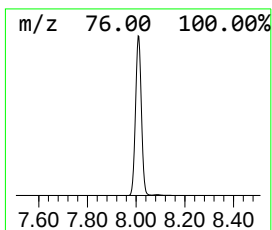
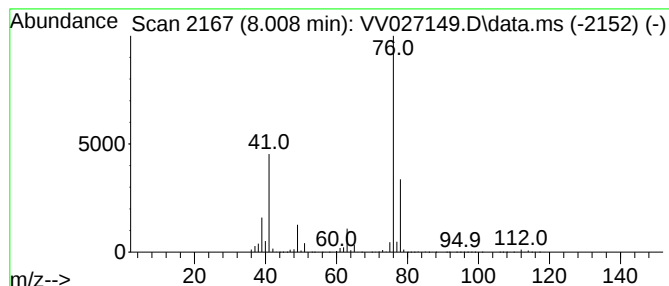
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Quant Title : VOC Analysis

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

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Peak Number 8 Propane, 1,3-dichloro- Concentration Rank 2

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 8.008 | 472.98 ug/L | 16176900 | Chlorobenzene-d5 | 8.850 |

| Hit# | of                               | 5 | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|----------------------------------|---|--------------|----------|-------------|------|------|
| 1    | Propane, 1,3-dichloro-           |   | 112          | C3H6Cl2  | 000142-28-9 | 94   |      |
| 2    | Propane, 1,3-dichloro-           |   | 112          | C3H6Cl2  | 000142-28-9 | 83   |      |
| 3    | Propanal, 2,3-dichloro-2-methyl- |   | 140          | C4H6Cl2O | 010141-22-7 | 74   |      |
| 4    | 3-Chloropropyl formate           |   | 122          | C4H7ClO2 | 001487-44-1 | 43   |      |
| 5    | Propane, 1,3-dichloro-           |   | 112          | C3H6Cl2  | 000142-28-9 | 15   |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

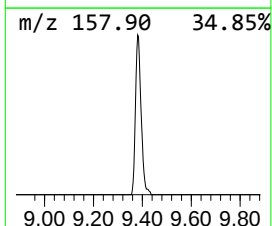
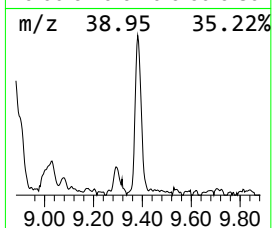
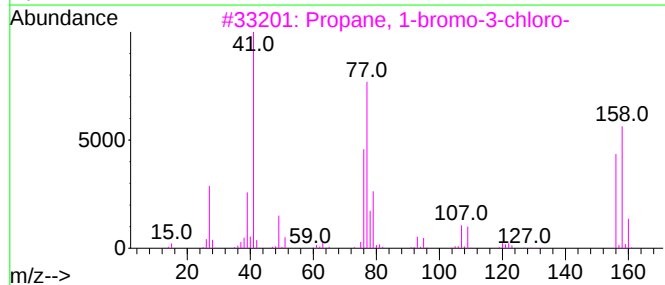
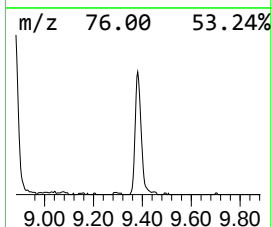
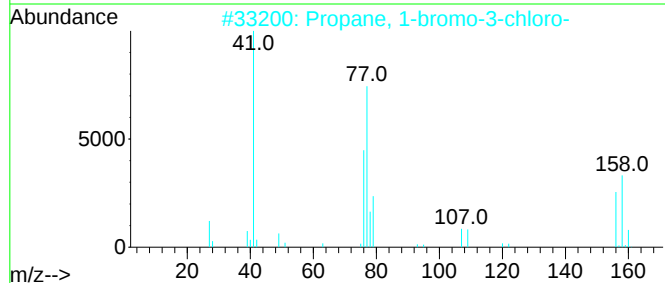
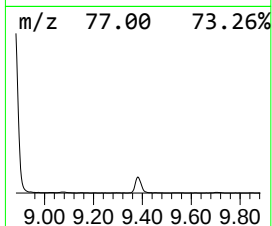
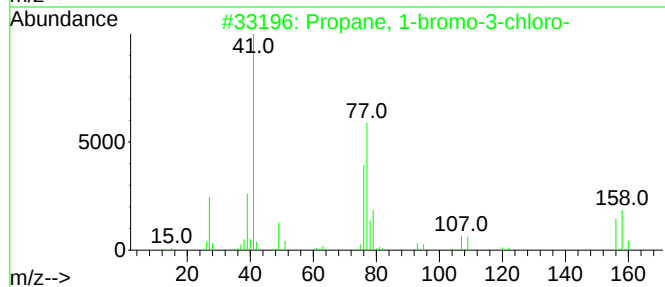
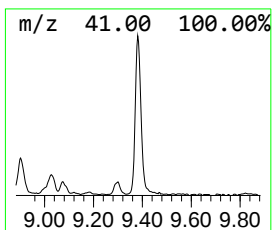
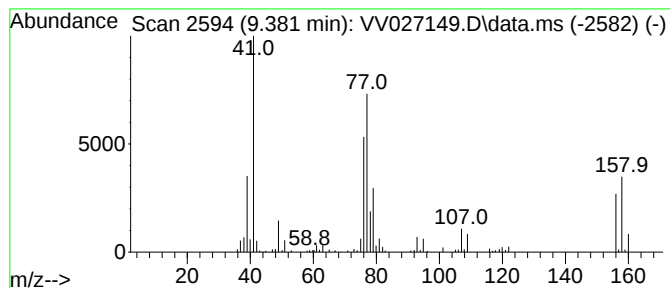
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 9 Propane, 1-bromo-3-chloro- Concentration Rank 14

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 9.381 | 4.75 ug/L | 162630 | Chlorobenzene-d5 | 8.850 |

| Hit# | of                         | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------|-----|--------------|-------------|---------|------|------|
| 1    | Propane, 1-bromo-3-chloro- | 156 | C3H6BrCl     | 000109-70-6 | 95      |      |      |
| 2    | Propane, 1-bromo-3-chloro- | 156 | C3H6BrCl     | 000109-70-6 | 95      |      |      |
| 3    | Propane, 1-bromo-3-chloro- | 156 | C3H6BrCl     | 000109-70-6 | 95      |      |      |
| 4    | Propane, 1-bromo-3-chloro- | 156 | C3H6BrCl     | 000109-70-6 | 68      |      |      |
| 5    | Propane, 2-bromo-1-chloro- | 156 | C3H6BrCl     | 003017-95-6 | 40      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

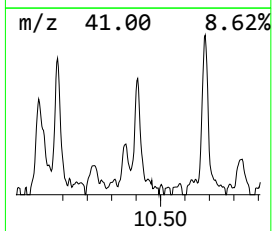
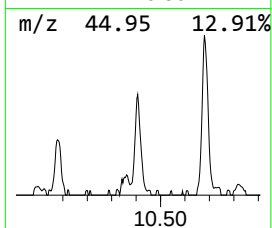
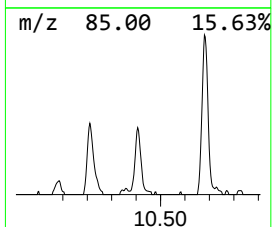
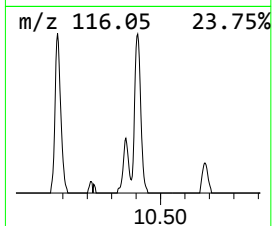
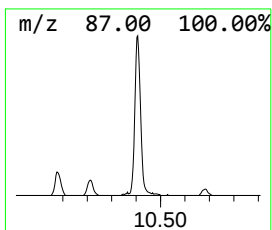
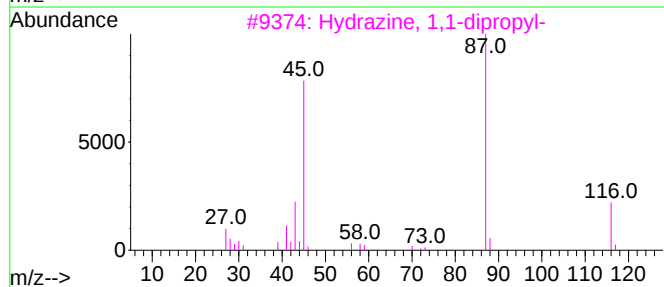
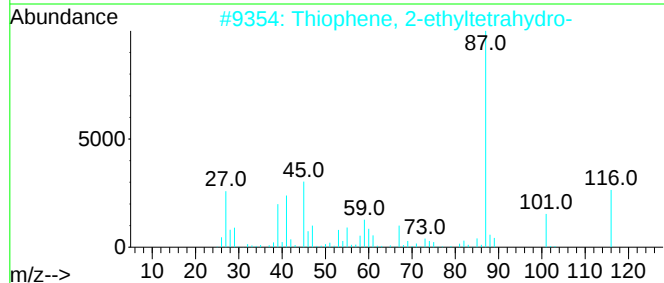
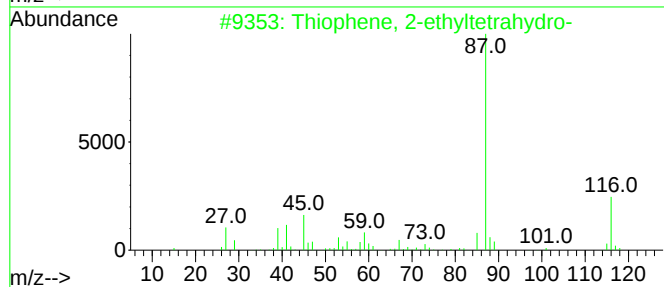
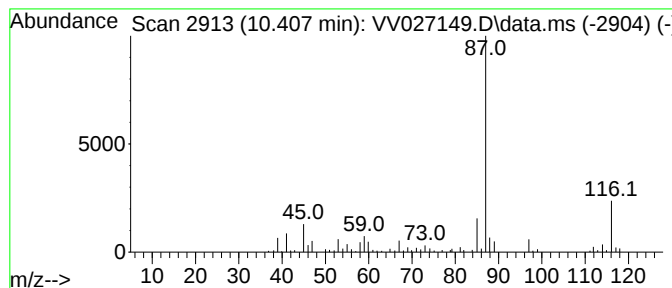
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 10 Thiophene, 2-ethyltetrahydro- Concentration Rank 18

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 10.407 | 2.59 ug/L | 86718 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Thiophene, 2-ethyltetrahydro-       | 116 | C6H12S  | 001551-32-2 | 90   |
| 2    |    |   | Thiophene, 2-ethyltetrahydro-       | 116 | C6H12S  | 001551-32-2 | 80   |
| 3    |    |   | Hydrazine, 1,1-dipropyl-            | 116 | C6H16N2 | 004986-50-9 | 59   |
| 4    |    |   | Hydrazine, 1,1-dipropyl-            | 116 | C6H16N2 | 004986-50-9 | 52   |
| 5    |    |   | Hydrazine, 1-ethyl-1-(1-methylpr... | 116 | C6H16N2 | 020325-97-7 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

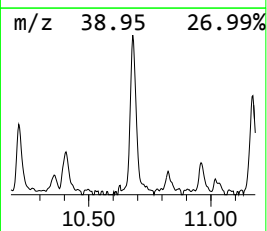
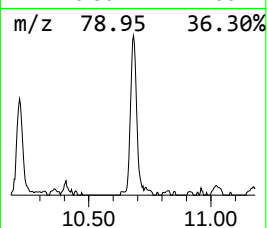
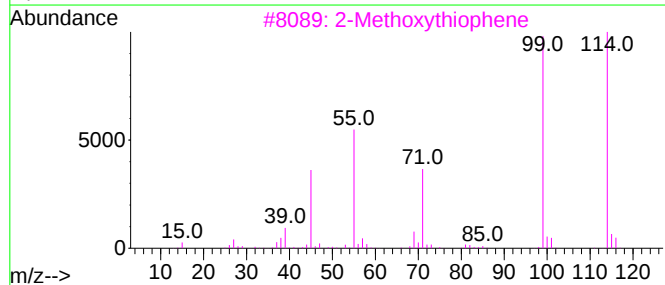
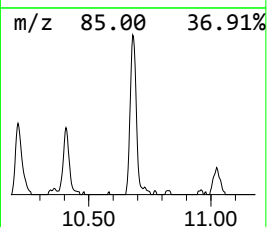
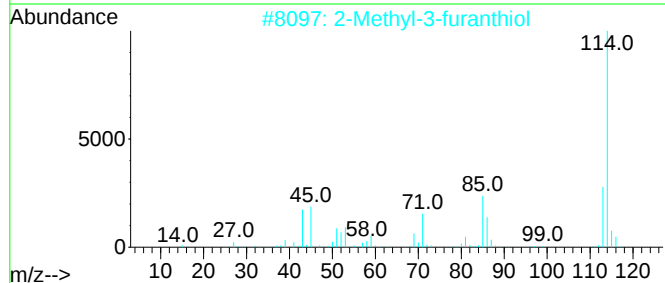
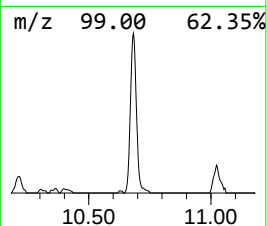
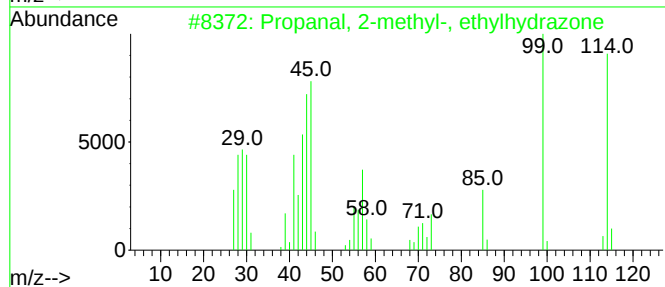
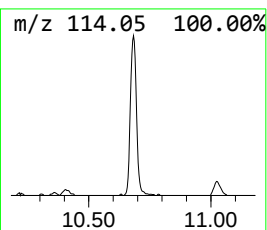
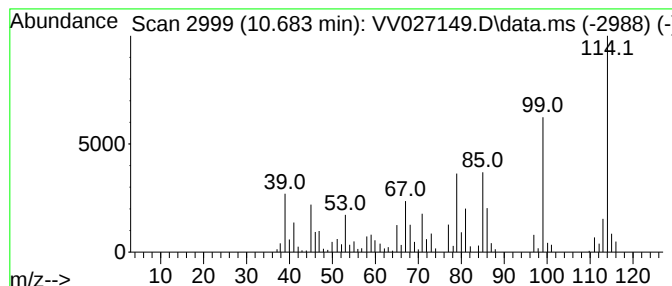
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 11 unknown-01 Concentration Rank 13

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 10.683 | 5.67 ug/L | 189557 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Propanal, 2-methyl-, ethylhydrazone | 114 | C6H14N2 | 020607-77-6 | 43   |
| 2    |    |   | 2-Methyl-3-furanthiol               | 114 | C5H6OS  | 028588-74-1 | 43   |
| 3    |    |   | 2-Methoxythiophene                  | 114 | C5H6OS  | 016839-97-7 | 38   |
| 4    |    |   | Butanal, ethylhydrazone             | 114 | C6H14N2 | 051576-30-8 | 38   |
| 5    |    |   | Thiophene, 3-methoxy-               | 114 | C5H6OS  | 017573-92-1 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

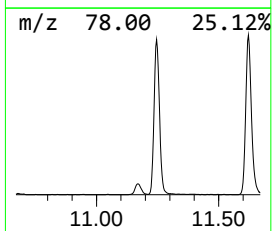
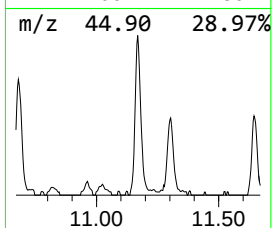
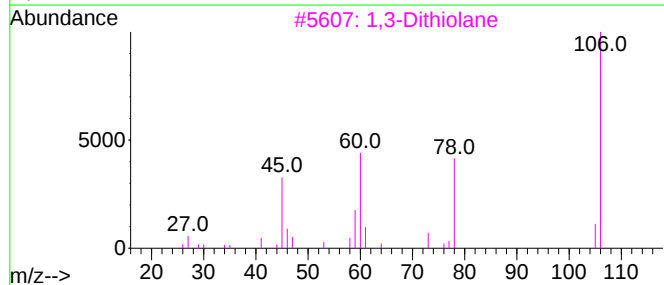
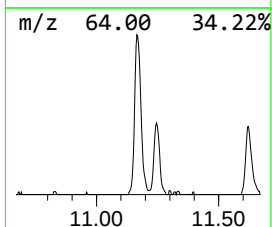
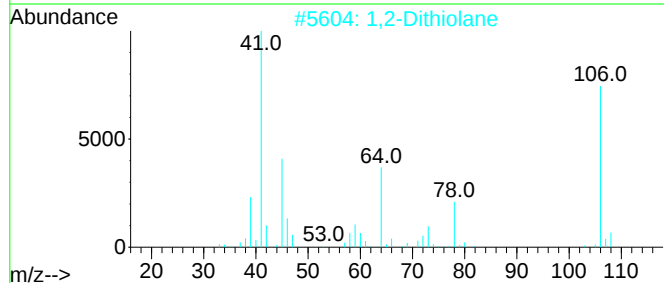
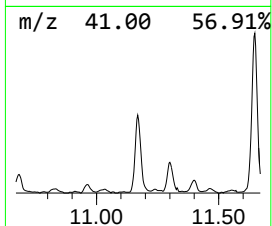
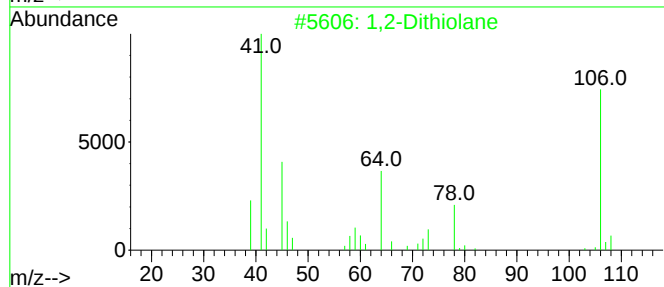
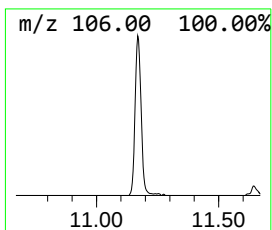
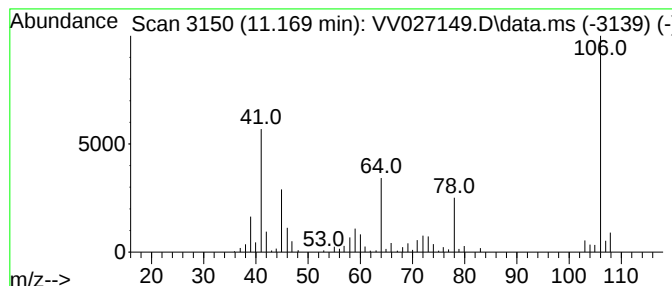
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 12 1,2-Dithiolane Concentration Rank 17

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.169 | 4.12 ug/L | 137910 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,2-Dithiolane            | 106 | C3H6S2  | 000557-22-2 | 94   |
| 2    |    |   | 1,2-Dithiolane            | 106 | C3H6S2  | 000557-22-2 | 91   |
| 3    |    |   | 1,3-Dithiolane            | 106 | C3H6S2  | 004829-04-3 | 64   |
| 4    |    |   | 1,3-Dithiolane            | 106 | C3H6S2  | 004829-04-3 | 37   |
| 5    |    |   | Carbonothioic dihydrazide | 106 | CH6N4S  | 002231-57-4 | 32   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

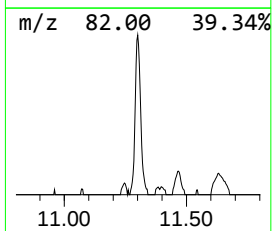
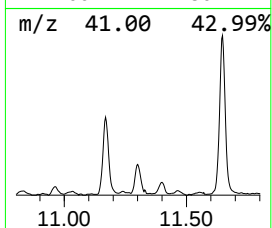
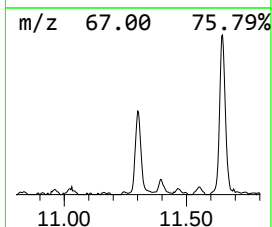
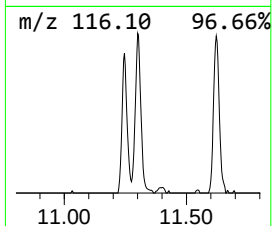
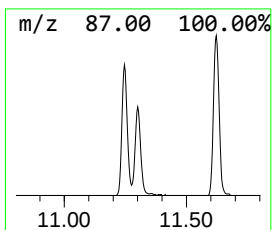
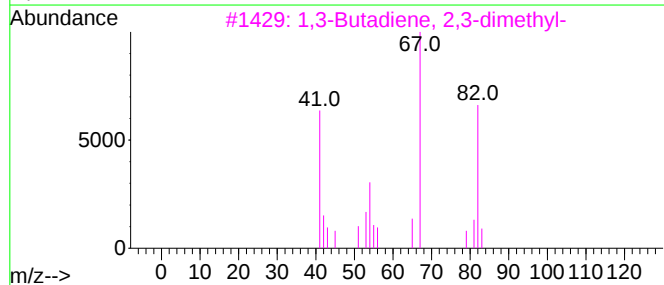
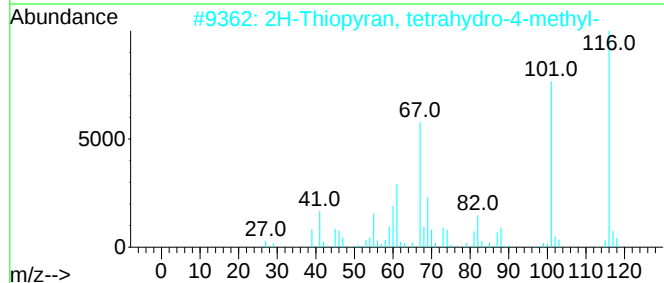
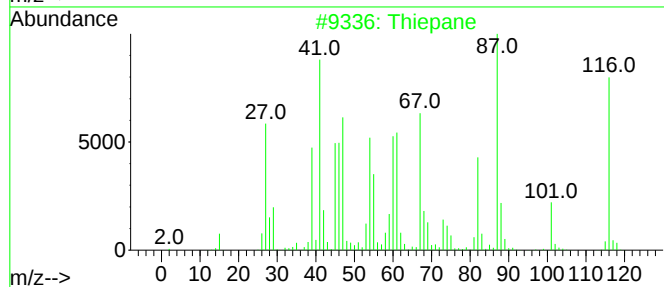
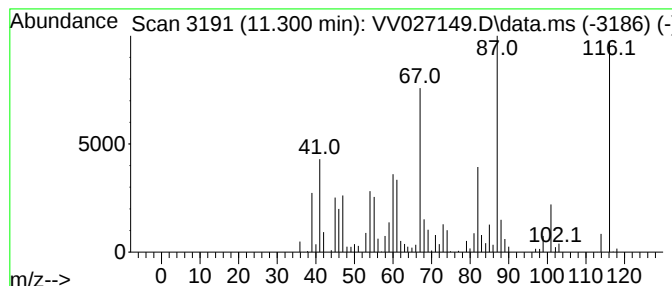
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 13 Thiepane Concentration Rank 15

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.301 | 4.60 ug/L | 153972 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Thiepane                           | 116 | C6H12S  | 004753-80-4 | 91   |
| 2    |    |   | 2H-Thiopyran, tetrahydro-4-methyl- | 116 | C6H12S  | 005161-17-1 | 43   |
| 3    |    |   | 1,3-Butadiene, 2,3-dimethyl-       | 82  | C6H10   | 000513-81-5 | 18   |
| 4    |    |   | 2-Hexyne                           | 82  | C6H10   | 000764-35-2 | 18   |
| 5    |    |   | 1,3-Pentadiene, 2-methyl-, (E)-    | 82  | C6H10   | 000926-54-5 | 18   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

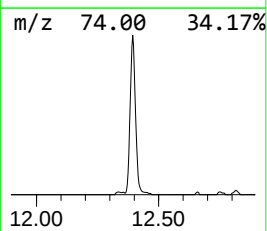
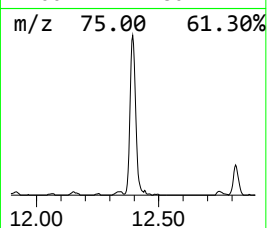
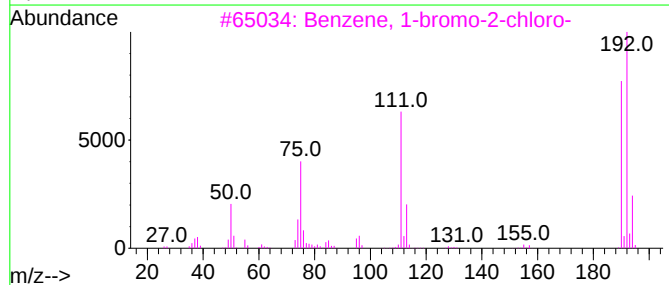
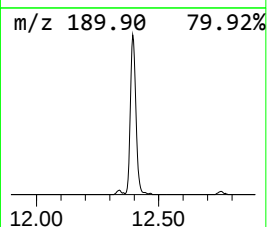
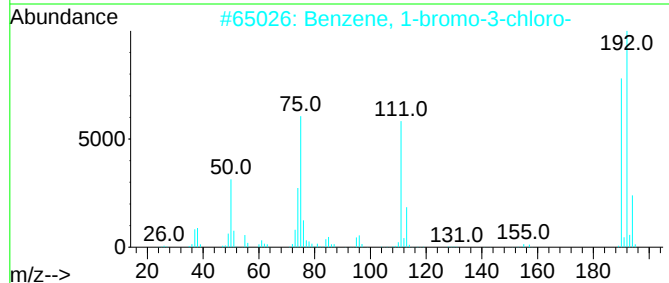
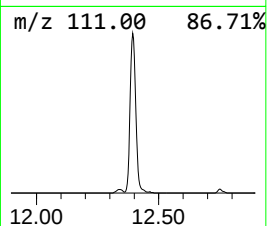
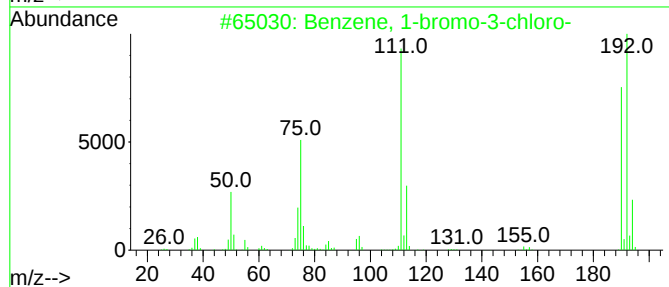
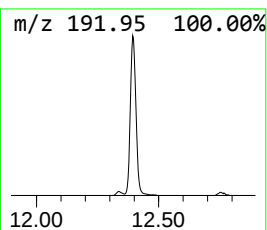
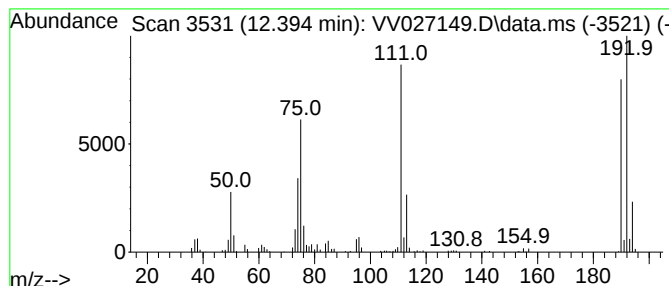
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 14 Benzene, 1-bromo-3-chloro- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.394 | 11.21 ug/L | 374998 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98   |
| 2    |    |   | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98   |
| 3    |    |   | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98   |
| 4    |    |   | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98   |
| 5    |    |   | 4-Chlorophenylselenol      | 192 | C6H5ClSe | 016645-10-6 | 97   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

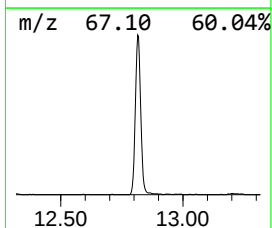
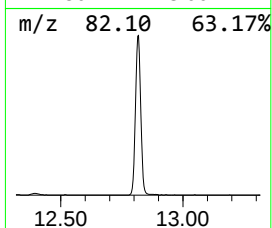
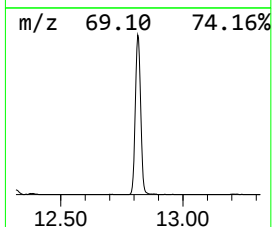
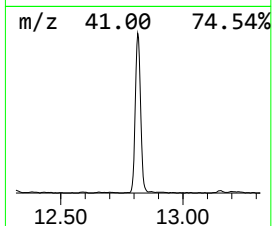
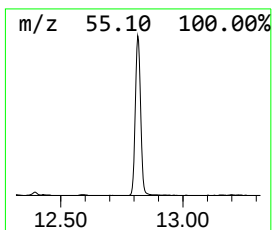
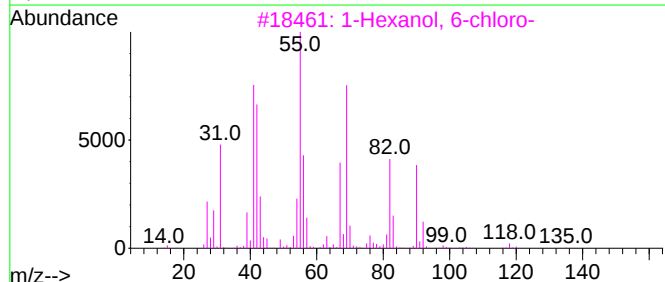
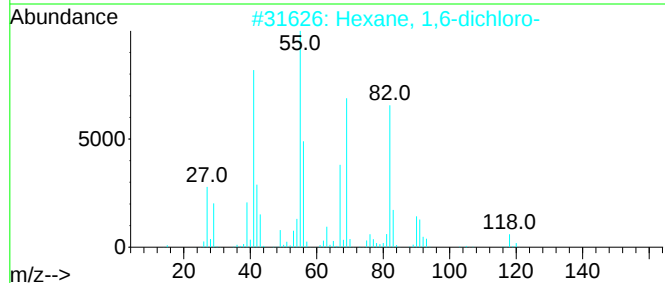
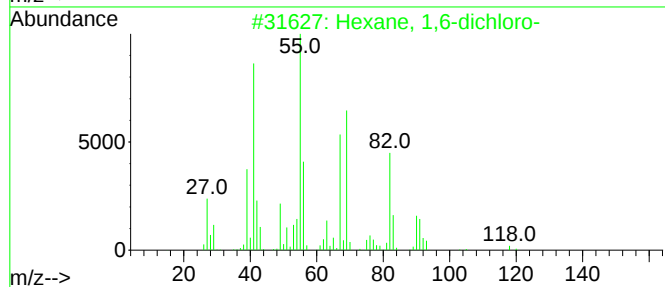
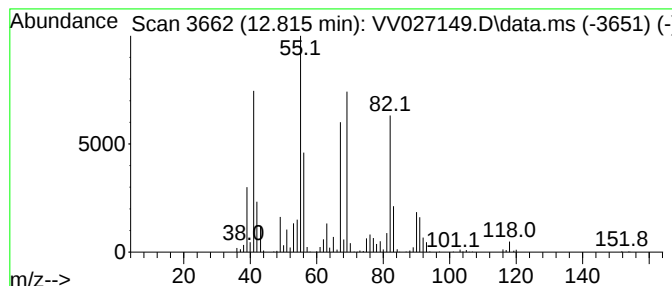
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 15 Hexane, 1,6-dichloro- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.815 | 22.99 ug/L | 768823 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------|-----|----------|-------------|------|
| 1    |    |   | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 90   |
| 2    |    |   | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 72   |
| 3    |    |   | 1-Hexanol, 6-chloro-  | 136 | C6H13ClO | 002009-83-8 | 50   |
| 4    |    |   | 1-Hexene, 6-chloro-   | 118 | C6H11Cl  | 000928-89-2 | 43   |
| 5    |    |   | Cyclohexane, chloro-  | 118 | C6H11Cl  | 000542-18-7 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

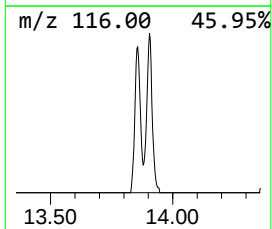
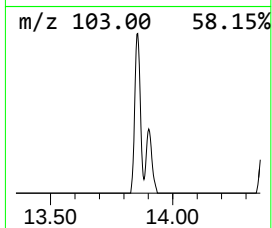
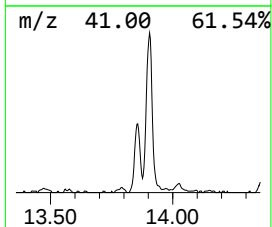
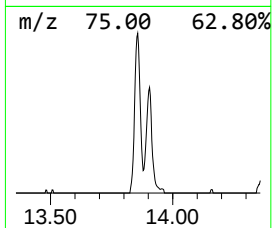
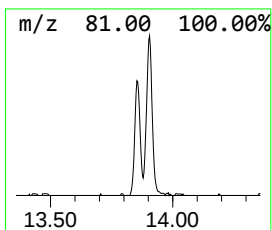
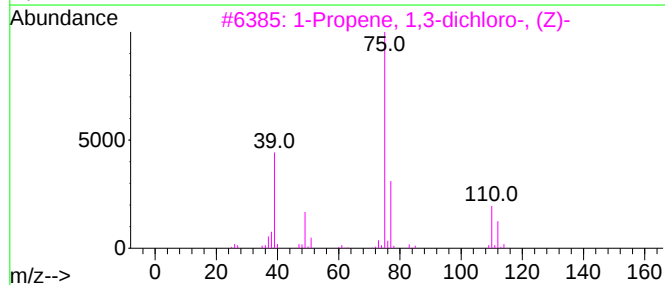
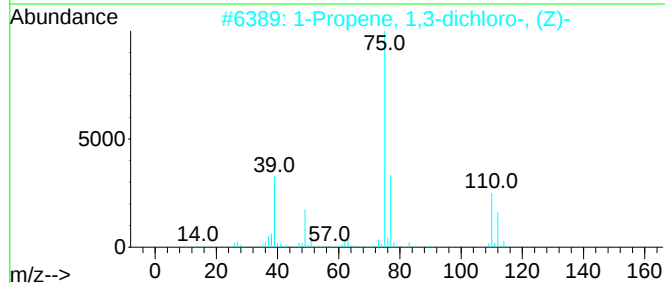
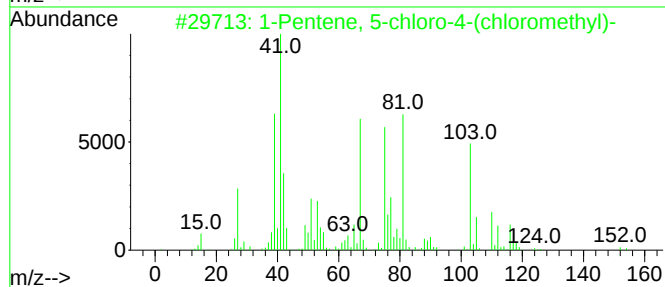
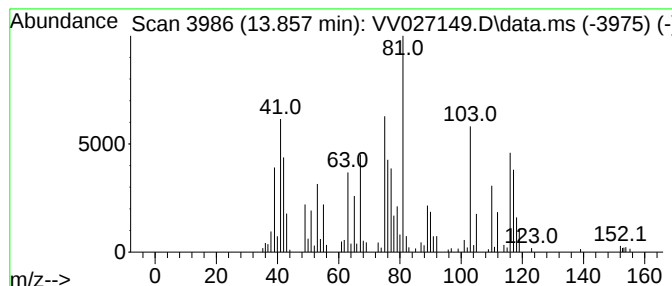
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 16 unknown-02 Concentration Rank 16

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.857 | 4.40 ug/L | 147223 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1-Pentene, 5-chloro-4-(chloromet... | 152 | C6H10Cl2 | 027990-74-5 | 35   |
| 2    |    |   | 1-Propene, 1,3-dichloro-, (Z)-      | 110 | C3H4Cl2  | 010061-01-5 | 30   |
| 3    |    |   | 1-Propene, 1,3-dichloro-, (Z)-      | 110 | C3H4Cl2  | 010061-01-5 | 18   |
| 4    |    |   | 1-Propene, 1,3-dichloro-, (Z)-      | 110 | C3H4Cl2  | 010061-01-5 | 15   |
| 5    |    |   | 1-Propene, 1,3-dichloro-, (E)-      | 110 | C3H4Cl2  | 010061-02-6 | 15   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

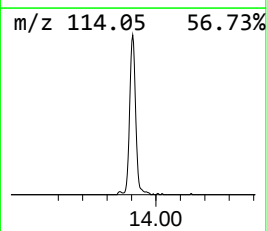
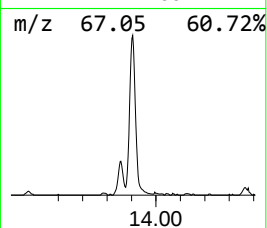
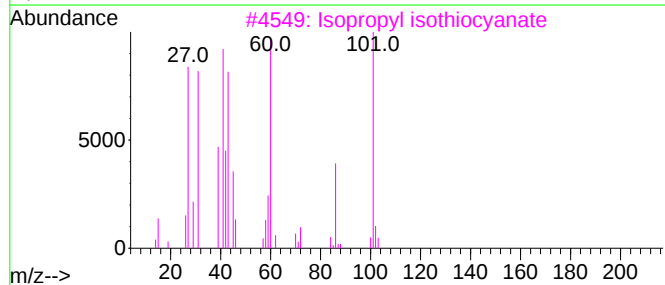
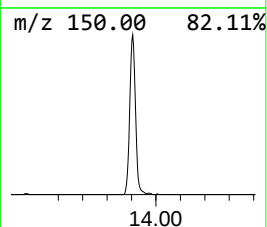
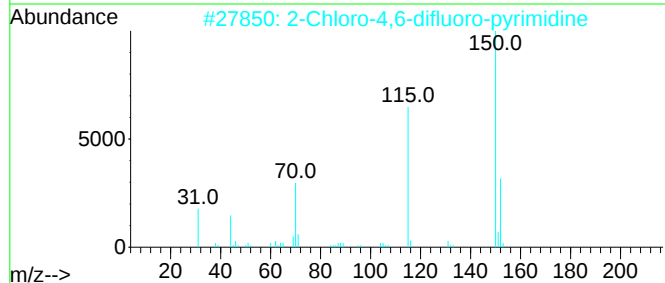
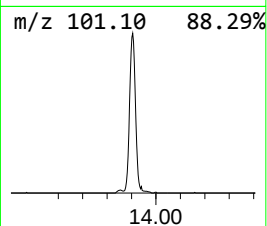
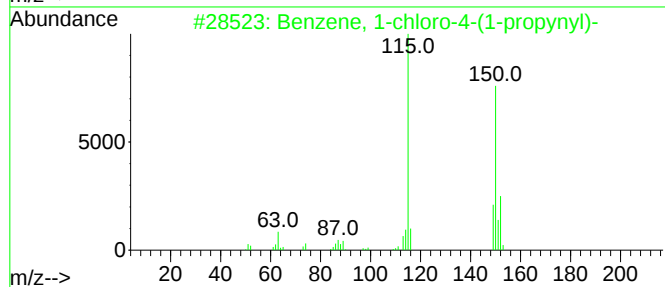
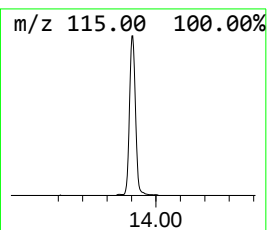
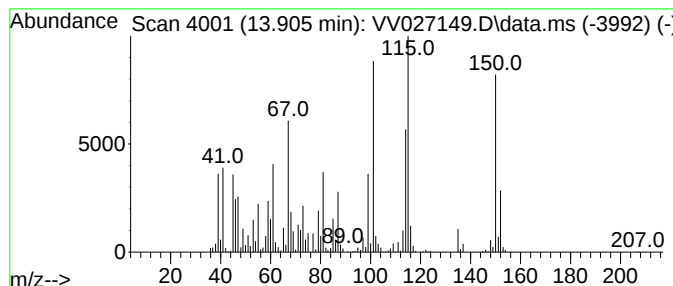
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Quant Title : VOC Analysis

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

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Peak Number 17 unknown-03 Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.905 | 17.89 ug/L | 598335 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|---|------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzene, 1-chloro-4-(1-propynyl)-  | 150 | C9H7Cl    | 002809-65-6 | 43   |
| 2    |    |   | 2-Chloro-4,6-difluoro-pyrimidine   | 150 | C4HClF2N2 | 038953-30-9 | 25   |
| 3    |    |   | Isopropyl isothiocyanate           | 101 | C4H7NS    | 002253-73-8 | 15   |
| 4    |    |   | Benzene, 1,2,3,4-tetrafluoro-      | 150 | C6H2F4    | 000551-62-2 | 11   |
| 5    |    |   | 2H-Thiopyran, tetrahydro-2-methyl- | 116 | C6H12S    | 005161-16-0 | 11   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
Data File : VV027149.D  
Acq On : 02 Aug 2022 00:58  
Operator : SY/MD  
Sample : N3956-08DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXF05DL

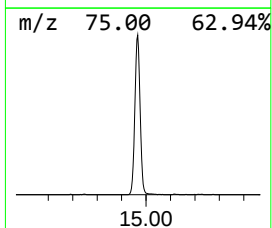
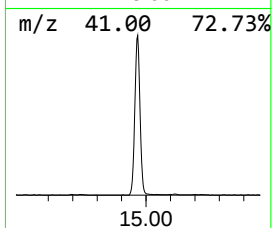
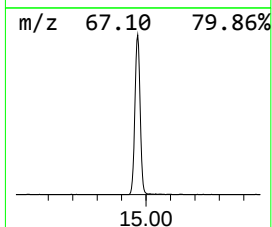
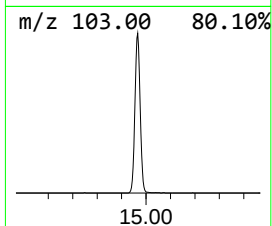
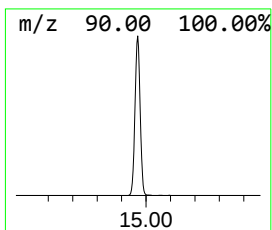
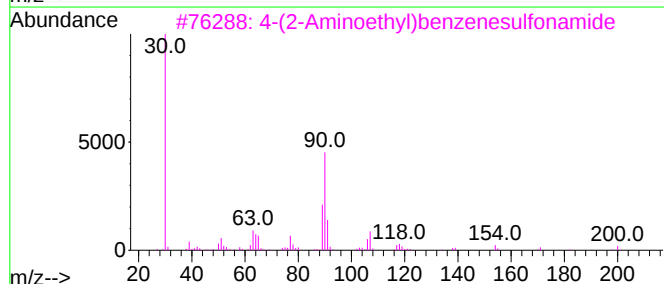
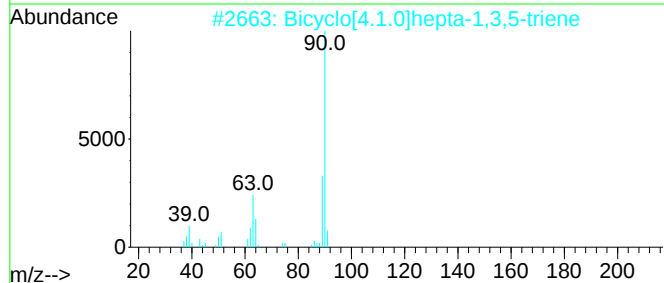
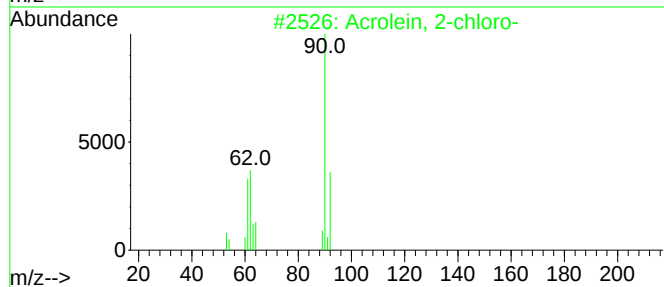
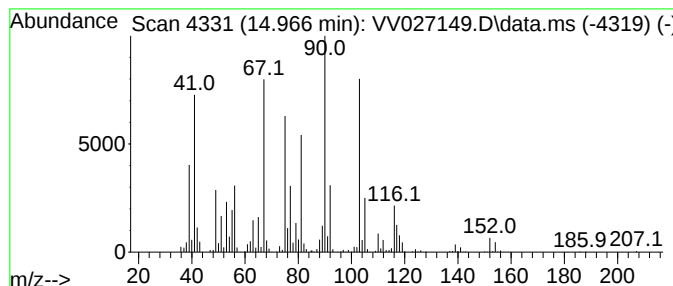
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 18 unknown-04 Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.966 | 35.02 ug/L | 1171410 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Acrolein, 2-chloro-                 | 90  | C3H3ClO    | 000683-51-2  | 43   |
| 2    |    |   | Bicyclo[4.1.0]hepta-1,3,5-triene    | 90  | C7H6       | 004646-69-9  | 35   |
| 3    |    |   | 4-(2-Aminoethyl)benzenesulfonamide  | 200 | C8H12N2O2S | 035303-76-5  | 25   |
| 4    |    |   | 1,3,5-Trichloro-4-methyl-2-penta... | 202 | C6H9Cl3O   | 1000140-03-8 | 25   |
| 5    |    |   | 3-Thietanol                         | 90  | C3H6OS     | 010304-16-2  | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
 Data File : VV027149.D  
 Acq On : 02 Aug 2022 00:58  
 Operator : SY/MD  
 Sample : N3956-08DL 20X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXF05DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
 Quant Title : VOC Analysis

TIC Library : C:\Database\NIST0.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| (DEL) Alkane: S... | 1.105  | 537.8   | ug/L  | 15011100 | 1                     | 5.613  | 1395640 | 50.0 |
| Furan, tetrahyd... | 5.892  | 10.4    | ug/L  | 289851   | 1                     | 5.613  | 1395640 | 50.0 |
| Furan, tetrahyd... | 6.166  | 7.5     | ug/L  | 209099   | 1                     | 5.613  | 1395640 | 50.0 |
| Thietane           | 6.371  | 21.2    | ug/L  | 592512   | 1                     | 5.613  | 1395640 | 50.0 |
| 2H-Pyran, tetra... | 6.895  | 65.0    | ug/L  | 1813430  | 1                     | 5.613  | 1395640 | 50.0 |
| 2H-Pyran, 3,4-d... | 7.786  | 11.1    | ug/L  | 379424   | 2                     | 8.850  | 1710100 | 50.0 |
| Propane, 1,3-di... | 8.008  | 473.0   | ug/L  | 16176900 | 2                     | 8.850  | 1710100 | 50.0 |
| Propane, 1-brom... | 9.381  | 4.8     | ug/L  | 162630   | 2                     | 8.850  | 1710100 | 50.0 |
| Thiophene, 2-et... | 10.407 | 2.6     | ug/L  | 86718    | 3                     | 11.246 | 1672340 | 50.0 |
| unknown-01         | 10.683 | 5.7     | ug/L  | 189557   | 3                     | 11.246 | 1672340 | 50.0 |
| 1,2-Dithiolane     | 11.169 | 4.1     | ug/L  | 137910   | 3                     | 11.246 | 1672340 | 50.0 |
| Thiepane           | 11.301 | 4.6     | ug/L  | 153972   | 3                     | 11.246 | 1672340 | 50.0 |
| Benzene, 1-brom... | 12.394 | 11.2    | ug/L  | 374998   | 3                     | 11.246 | 1672340 | 50.0 |
| Hexane, 1,6-dic... | 12.815 | 23.0    | ug/L  | 768823   | 3                     | 11.246 | 1672340 | 50.0 |
| unknown-02         | 13.857 | 4.4     | ug/L  | 147223   | 3                     | 11.246 | 1672340 | 50.0 |
| unknown-03         | 13.905 | 17.9    | ug/L  | 598335   | 3                     | 11.246 | 1672340 | 50.0 |
| unknown-04         | 14.966 | 35.0    | ug/L  | 1171410  | 3                     | 11.246 | 1672340 | 50.0 |