

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062722\  
 Data File : VV026570.D  
 Acq On : 27 Jun 2022 13:20  
 Operator : SY/MD  
 Sample : N3425-19  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AM1

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.1 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\SFAMVTR062322WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV026570.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         | 1.323       | 56            | 88          | 107          | rBV      | 96598          | 170678        | 22.91%          | 2.793%        |
| 2         | 1.471       | 121           | 134         | 160          | rBV2     | 32969          | 150447        | 20.20%          | 2.462%        |
| 3         | 1.584       | 162           | 169         | 182          | rVB      | 84147          | 104881        | 14.08%          | 1.716%        |
| 4         | 2.121       | 327           | 336         | 351          | rVB      | 157382         | 235240        | 31.58%          | 3.849%        |
| 5         | 2.522       | 451           | 461         | 470          | rBV      | 17608          | 29312         | 3.93%           | 0.480%        |
| 6         | 2.590       | 470           | 482         | 501          | rVB      | 126244         | 229690        | 30.83%          | 3.758%        |
| 7         | 2.976       | 591           | 602         | 612          | rBV7     | 4192           | 10025         | 1.35%           | 0.164%        |
| 8         | 3.915       | 880           | 894         | 933          | rBV2     | 49038          | 185090        | 24.85%          | 3.029%        |
| 9         | 4.111       | 945           | 955         | 983          | rVB2     | 9493           | 28518         | 3.83%           | 0.467%        |
| 10        | 4.384       | 1013          | 1040        | 1066         | rBV4     | 224256         | 744918        | 100.00%         | 12.189%       |
| 11        | 5.056       | 1233          | 1249        | 1280         | rBV2     | 233669         | 579203        | 77.75%          | 9.478%        |
| 12        | 5.625       | 1414          | 1426        | 1455         | rVV      | 226050         | 462339        | 62.07%          | 7.565%        |
| 13        | 6.075       | 1554          | 1566        | 1592         | rBV      | 135524         | 282752        | 37.96%          | 4.627%        |
| 14        | 6.577       | 1707          | 1722        | 1746         | rBV4     | 48671          | 113656        | 15.26%          | 1.860%        |
| 15        | 6.995       | 1841          | 1852        | 1873         | rBV      | 49090          | 93984         | 12.62%          | 1.538%        |
| 16        | 7.143       | 1883          | 1898        | 1920         | rBV2     | 76416          | 151089        | 20.28%          | 2.472%        |
| 17        | 7.320       | 1942          | 1953        | 1973         | rBV      | 268903         | 474776        | 63.74%          | 7.769%        |
| 18        | 7.628       | 2040          | 2049        | 2067         | rBV      | 27341          | 49550         | 6.65%           | 0.811%        |
| 19        | 8.091       | 2182          | 2193        | 2219         | rBV      | 207592         | 410275        | 55.08%          | 6.713%        |
| 20        | 8.853       | 2419          | 2430        | 2453         | rBV      | 342875         | 558940        | 75.03%          | 9.146%        |
| 21        | 9.127       | 2505          | 2515        | 2529         | rBV4     | 13760          | 25328         | 3.40%           | 0.414%        |
| 22        | 10.217      | 2843          | 2854        | 2872         | rBV      | 97800          | 154086        | 20.68%          | 2.521%        |
| 23        | 10.381      | 2895          | 2905        | 2915         | rBV2     | 10369          | 16482         | 2.21%           | 0.270%        |
| 24        | 11.249      | 3164          | 3175        | 3199         | rBV      | 304935         | 472123        | 63.38%          | 7.725%        |
| 25        | 11.625      | 3280          | 3292        | 3316         | rBV      | 233397         | 367848        | 49.38%          | 6.019%        |
| 26        | 12.345      | 3510          | 3516        | 3528         | rVB4     | 6671           | 10013         | 1.34%           | 0.164%        |

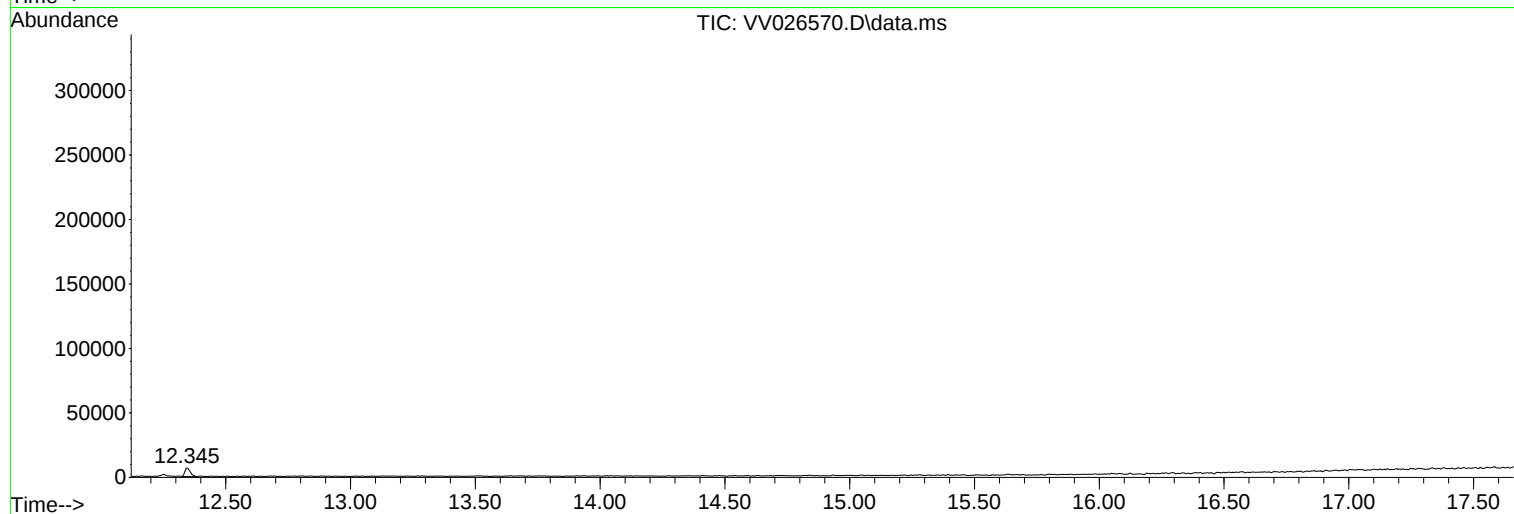
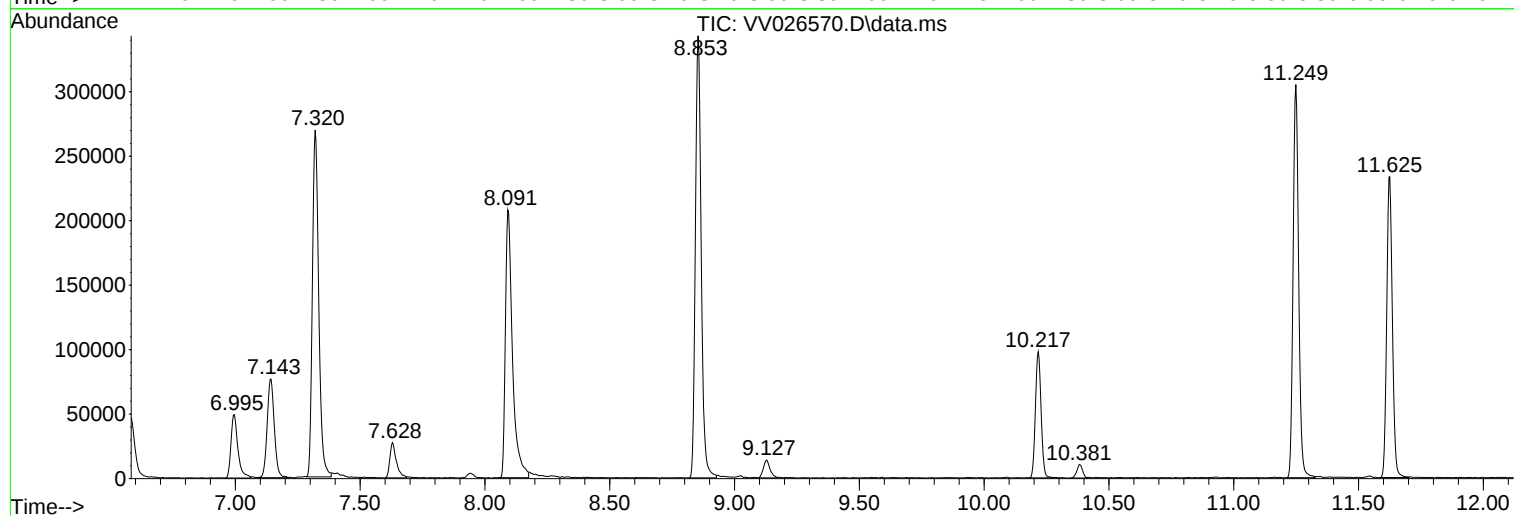
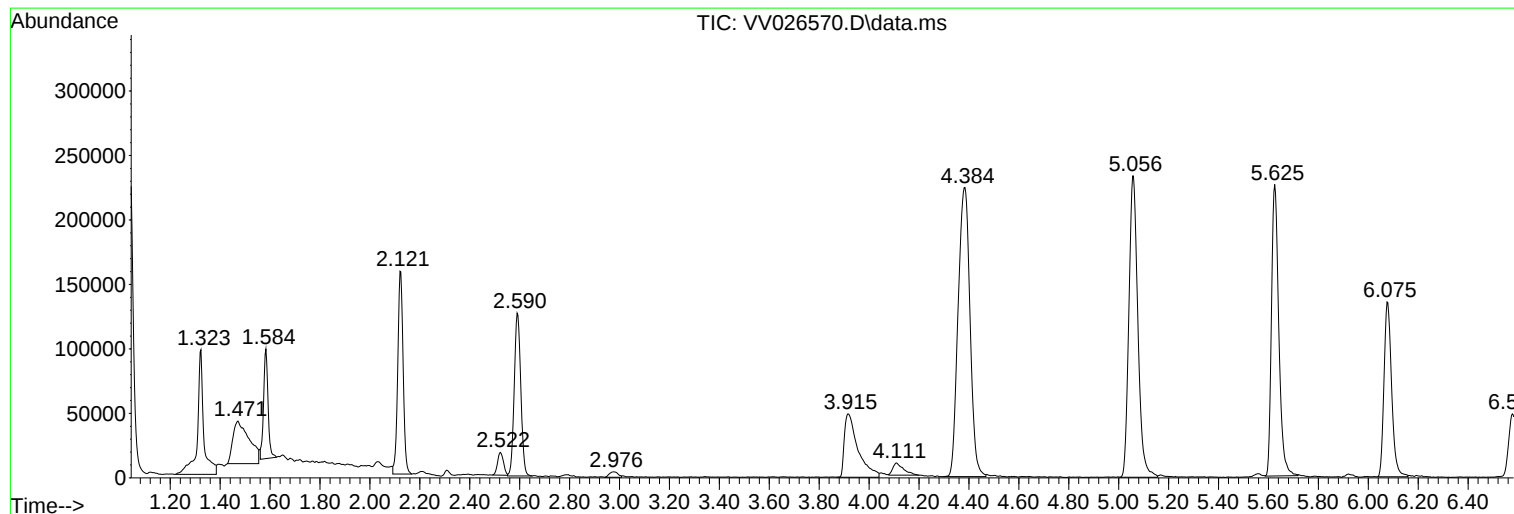
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AM1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR062322WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Instrument :  
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ClientSampleId :  
C0AM1

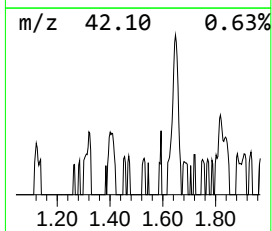
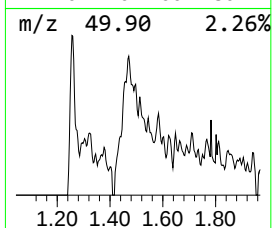
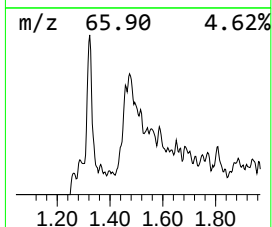
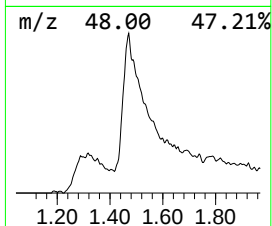
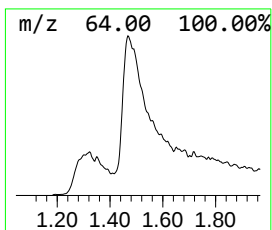
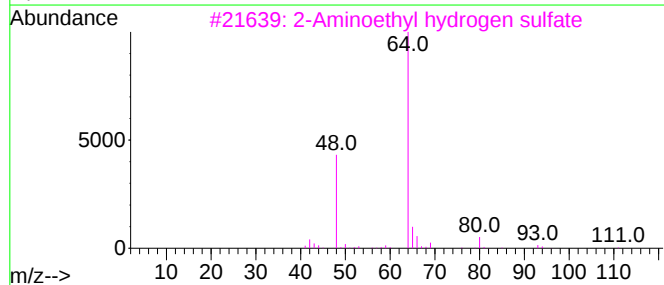
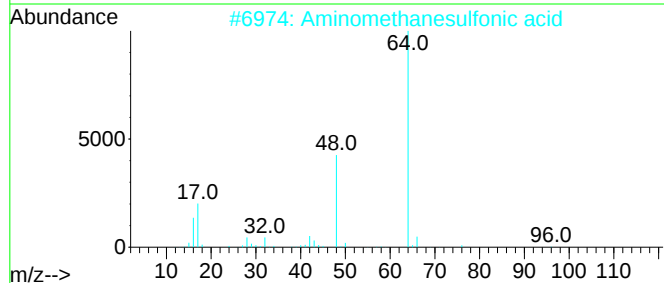
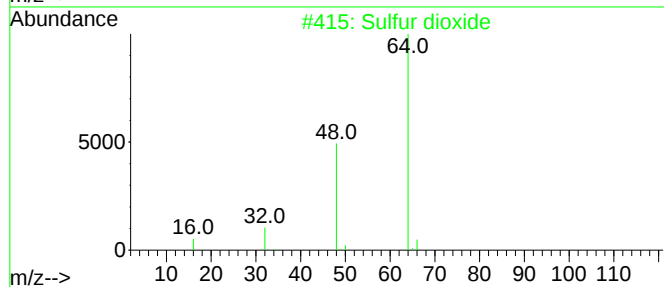
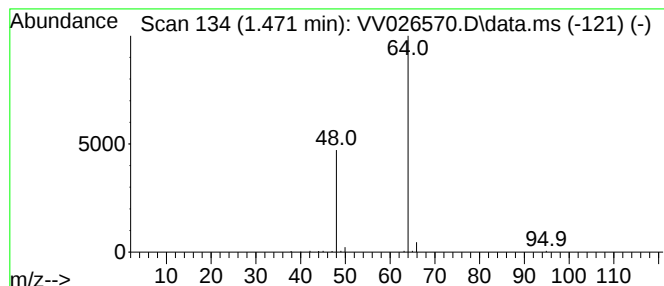
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 1 Sulfur dioxide Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.471 | 1.63 ug/L | 150447 | 1,4-Difluorobenzene | 5.625 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide                | 64  | O2S      | 007446-09-5 | 90   |
| 2    |    |   | Aminomethanesulfonic acid     | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 3    |    |   | 2-Aminoethyl hydrogen sulfate | 141 | C2H7NO4S | 000926-39-6 | 74   |
| 4    |    |   | Aminomethanesulfonic acid     | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    |   | L-Alanine, 3-sulfo-           | 169 | C3H7NO5S | 000498-40-8 | 9    |



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Instrument :  
MSVOA\_V  
ClientSampleId :  
COAM1

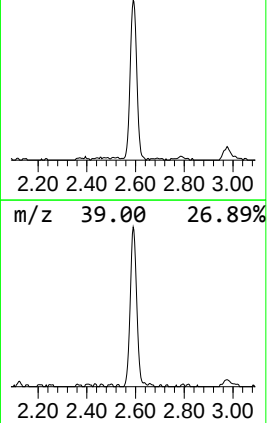
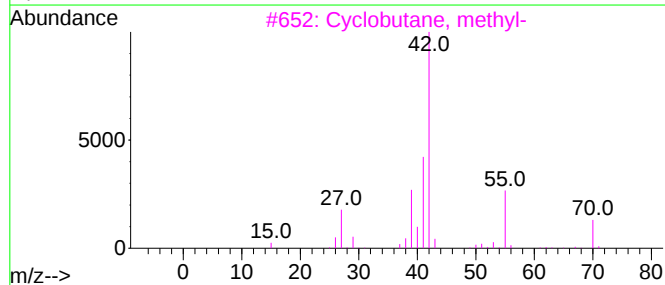
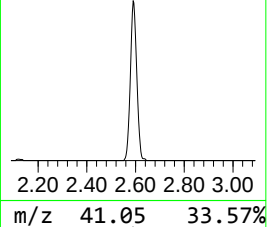
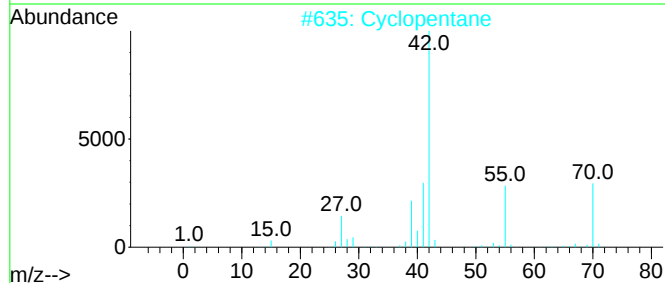
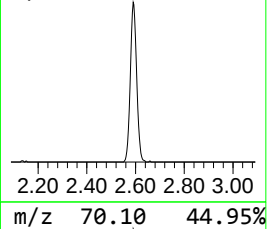
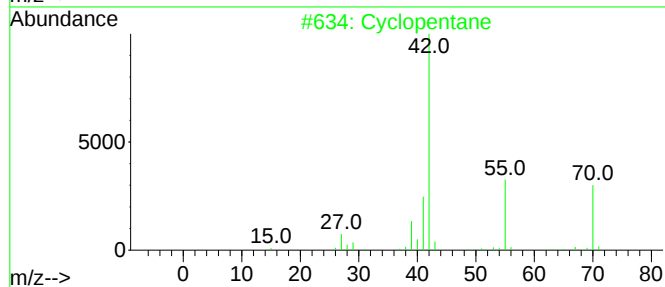
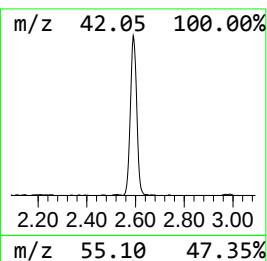
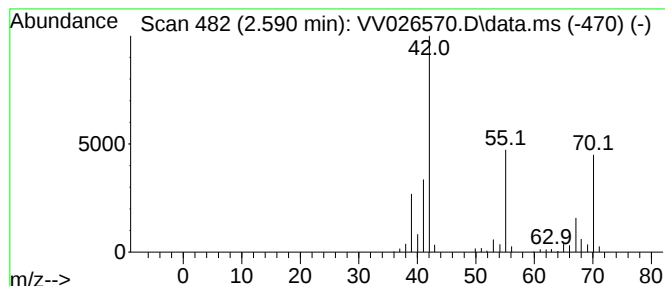
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR062322WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 (DEL) Alkane: Cyclic2.590 Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 2.590 | 2.48 ug/L | 229690 | 1,4-Difluorobenzene | 5.625 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane         | 70 | C5H10   | 000287-92-3 | 72   |
| 2    |    |   | Cyclopentane         | 70 | C5H10   | 000287-92-3 | 72   |
| 3    |    |   | Cyclobutane, methyl- | 70 | C5H10   | 000598-61-8 | 72   |
| 4    |    |   | 1-Pentene            | 70 | C5H10   | 000109-67-1 | 59   |
| 5    |    |   | 1-Pentene            | 70 | C5H10   | 000109-67-1 | 53   |



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ClientSampleId :  
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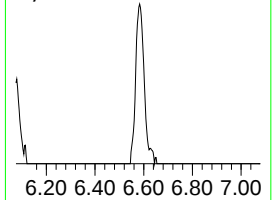
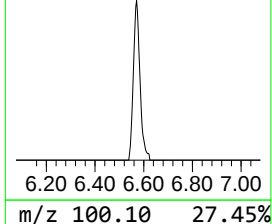
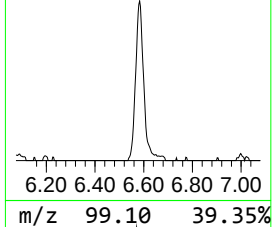
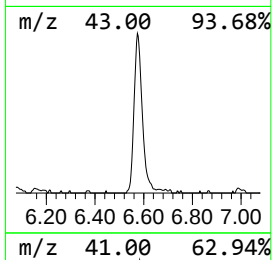
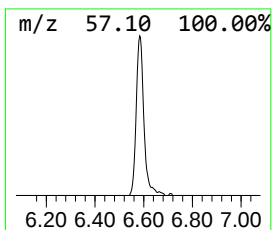
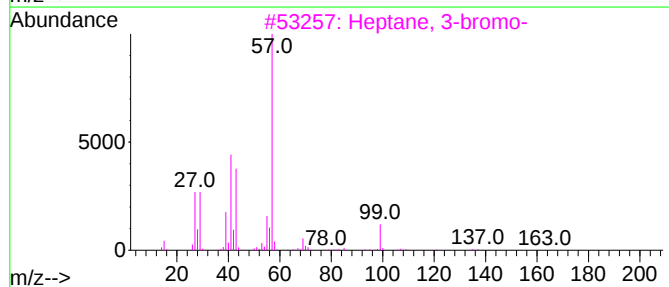
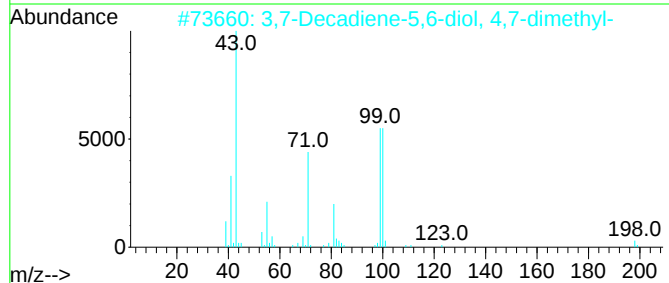
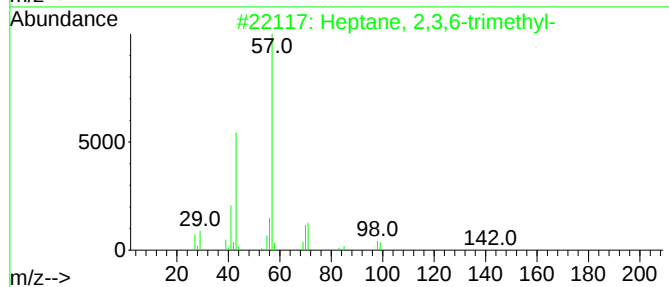
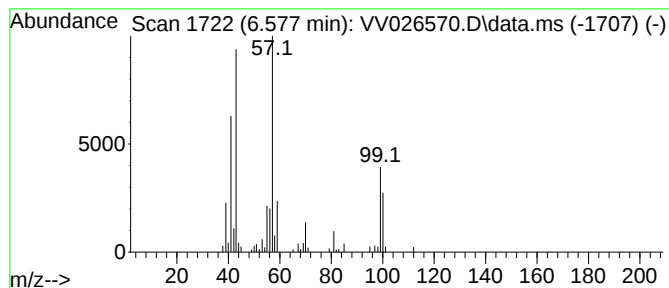
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR062322WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 6.577 | 1.23 ug/L | 113656 | 1,4-Difluorobenzene | 5.625 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Heptane, 2,3,6-trimethyl-           | 142 | C10H22   | 004032-93-3 | 38   |
| 2    |    |   | 3,7-Decadiene-5,6-diol, 4,7-dime... | 198 | C12H22O2 | 022427-95-8 | 37   |
| 3    |    |   | Heptane, 3-bromo-                   | 178 | C7H15Br  | 001974-05-6 | 35   |
| 4    |    |   | 3-Pentanone, 2-methyl-              | 100 | C6H12O   | 000565-69-5 | 35   |
| 5    |    |   | 3-Pentanone, 2-methyl-              | 100 | C6H12O   | 000565-69-5 | 27   |



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C0AM1

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Quant Title : TRACE VOA SFAM1.0

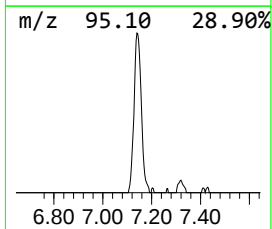
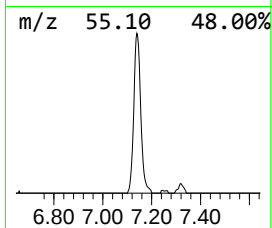
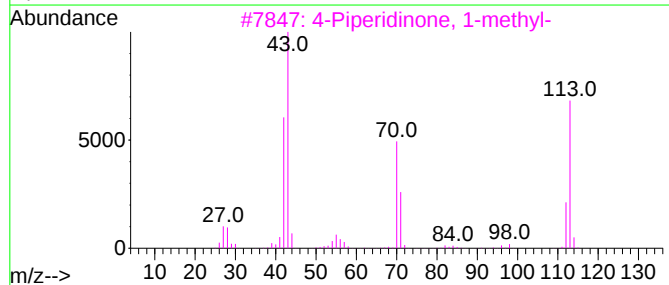
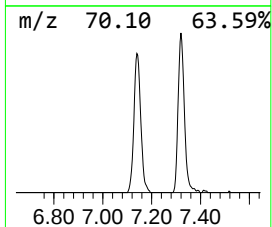
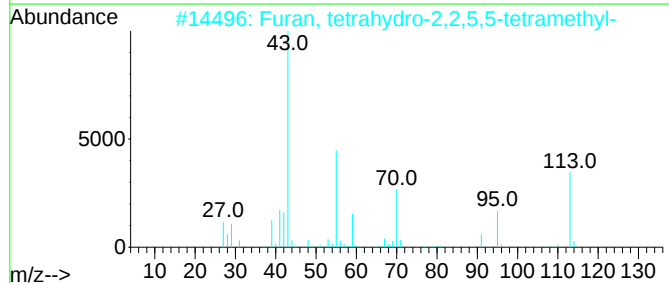
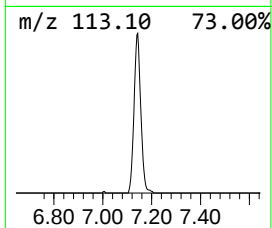
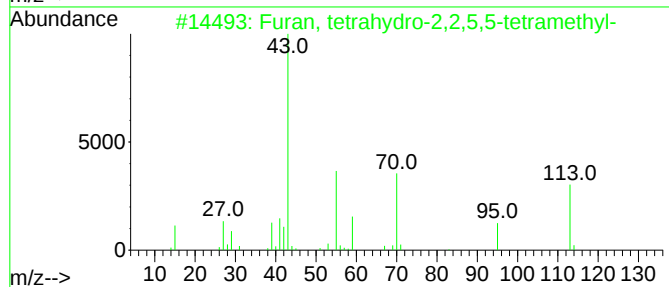
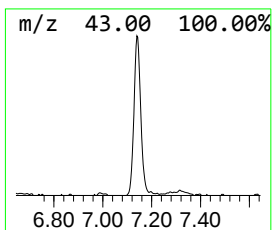
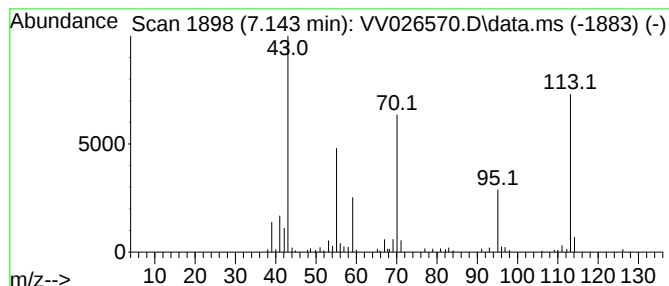
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 7.143 | 1.63 ug/L | 151089 | 1,4-Difluorobenzene | 5.625 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O  | 015045-43-9 | 83   |
| 2    |    |   | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O  | 015045-43-9 | 64   |
| 3    |    |   | 4-Piperidinone, 1-methyl-           | 113 | C6H11NO | 001445-73-4 | 50   |
| 4    |    |   | 2,5-Hexanediol, 2,5-dimethyl-       | 146 | C8H18O2 | 000110-03-2 | 50   |
| 5    |    |   | 2,5-Hexanediol, 2,5-dimethyl-       | 146 | C8H18O2 | 000110-03-2 | 50   |



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Quant Title : TRACE VOA SFAM1.0

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

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide     | 1.471 | 1.6     | ug/L  | 150447   | 1                     | 5.625 | 462339 | 5.0  |
| (DEL) Alkane: C... | 2.590 | 2.5     | ug/L  | 229690   | 1                     | 5.625 | 462339 | 5.0  |
| (DEL) Alkane: S... | 6.577 | 1.2     | ug/L  | 113656   | 1                     | 5.625 | 462339 | 5.0  |
| Furan, tetrahyd... | 7.143 | 1.6     | ug/L  | 151089   | 1                     | 5.625 | 462339 | 5.0  |