

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV101723\  
 Data File : VV032444.D  
 Acq On : 17 Oct 2023 14:40  
 Operator : SY/MD  
 Sample : 04903-01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AE4

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\SFAMVTR092923WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV032444.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         | 1.085       | 9             | 14          | 20           | rBV      | 56209          | 51702         | 10.14%          | 1.373%        |
| 2         | 1.278       | 65            | 74          | 87           | rBV2     | 69900          | 89462         | 17.55%          | 2.375%        |
| 3         | 1.362       | 93            | 100         | 119          | rVB2     | 11616          | 27247         | 5.34%           | 0.723%        |
| 4         | 1.532       | 146           | 153         | 168          | rVB      | 48524          | 59056         | 11.58%          | 1.568%        |
| 5         | 1.597       | 168           | 173         | 181          | rVB5     | 4957           | 6271          | 1.23%           | 0.166%        |
| 6         | 1.728       | 206           | 214         | 220          | rBV2     | 7807           | 10013         | 1.96%           | 0.266%        |
| 7         | 1.764       | 222           | 225         | 234          | rVB3     | 5020           | 5751          | 1.13%           | 0.153%        |
| 8         | 2.060       | 306           | 317         | 331          | rBV      | 80842          | 119846        | 23.51%          | 3.182%        |
| 9         | 3.831       | 856           | 868         | 917          | rBV2     | 32719          | 203273        | 39.88%          | 5.397%        |
| 10        | 4.256       | 983           | 1000        | 1027         | rBV2     | 60901          | 172505        | 33.84%          | 4.580%        |
| 11        | 4.963       | 1204          | 1220        | 1238         | rBV2     | 133454         | 343579        | 67.40%          | 9.122%        |
| 12        | 5.538       | 1386          | 1399        | 1417         | rBV      | 113843         | 244626        | 47.99%          | 6.495%        |
| 13        | 5.844       | 1481          | 1494        | 1495         | rBV8     | 2852           | 5178          | 1.02%           | 0.137%        |
| 14        | 5.992       | 1527          | 1540        | 1554         | rBV2     | 78240          | 166128        | 32.59%          | 4.411%        |
| 15        | 6.246       | 1610          | 1619        | 1625         | rBV7     | 3292           | 6421          | 1.26%           | 0.170%        |
| 16        | 6.918       | 1817          | 1828        | 1859         | rBV2     | 35791          | 82099         | 16.11%          | 2.180%        |
| 17        | 7.249       | 1918          | 1931        | 1954         | rBV      | 144973         | 283805        | 55.67%          | 7.535%        |
| 18        | 7.561       | 2018          | 2028        | 2049         | rBV2     | 21537          | 45700         | 8.96%           | 1.213%        |
| 19        | 7.886       | 2116          | 2129        | 2134         | rBV4     | 7390           | 14168         | 2.78%           | 0.376%        |
| 20        | 8.034       | 2165          | 2175        | 2213         | rBV      | 212070         | 509773        | 100.00%         | 13.534%       |
| 21        | 8.188       | 2217          | 2223        | 2234         | rVB8     | 7628           | 13895         | 2.73%           | 0.369%        |
| 22        | 8.789       | 2396          | 2410        | 2433         | rBV      | 187846         | 335631        | 65.84%          | 8.911%        |
| 23        | 9.757       | 2704          | 2711        | 2721         | rBV6     | 7197           | 12196         | 2.39%           | 0.324%        |
| 24        | 10.159      | 2824          | 2836        | 2853         | rBV      | 71069          | 117892        | 23.13%          | 3.130%        |
| 25        | 10.329      | 2879          | 2889        | 2902         | rVB      | 11593          | 19370         | 3.80%           | 0.514%        |
| 26        | 10.455      | 2918          | 2928        | 2945         | rVB4     | 7177           | 13460         | 2.64%           | 0.357%        |
| 27        | 11.098      | 3118          | 3128        | 3143         | rBV7     | 15459          | 28700         | 5.63%           | 0.762%        |
| 28        | 11.188      | 3146          | 3156        | 3174         | rVV      | 193382         | 306762        | 60.18%          | 8.144%        |
| 29        | 11.490      | 3237          | 3250        | 3263         | rBV3     | 32859          | 73190         | 14.36%          | 1.943%        |
| 30        | 11.564      | 3263          | 3273        | 3288         | rVB      | 174493         | 283498        | 55.61%          | 7.527%        |
| 31        | 12.197      | 3459          | 3470        | 3480         | rBV2     | 7833           | 14522         | 2.85%           | 0.386%        |
| 32        | 12.291      | 3490          | 3499        | 3520         | rBV2     | 35094          | 59678         | 11.71%          | 1.584%        |
| 33        | 13.271      | 3794          | 3804        | 3813         | rBV7     | 4185           | 8089          | 1.59%           | 0.215%        |
| 34        | 13.384      | 3831          | 3839        | 3845         | rBV9     | 4801           | 6909          | 1.36%           | 0.183%        |
| 35        | 13.988      | 4018          | 4027        | 4037         | rVB      | 4553           | 7936          | 1.56%           | 0.211%        |
| 36        | 14.390      | 4144          | 4152        | 4161         | rBV7     | 4674           | 6736          | 1.32%           | 0.179%        |

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AE4

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\SFAMVTR092923WMA.M  
Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |      |       |       |        |
|----|--------|------|------|------|------|------|-------|-------|--------|
| 37 | 15.059 | 4352 | 4360 | 4370 | rVB7 | 8492 | 11468 | 2.25% | 0.304% |
|----|--------|------|------|------|------|------|-------|-------|--------|

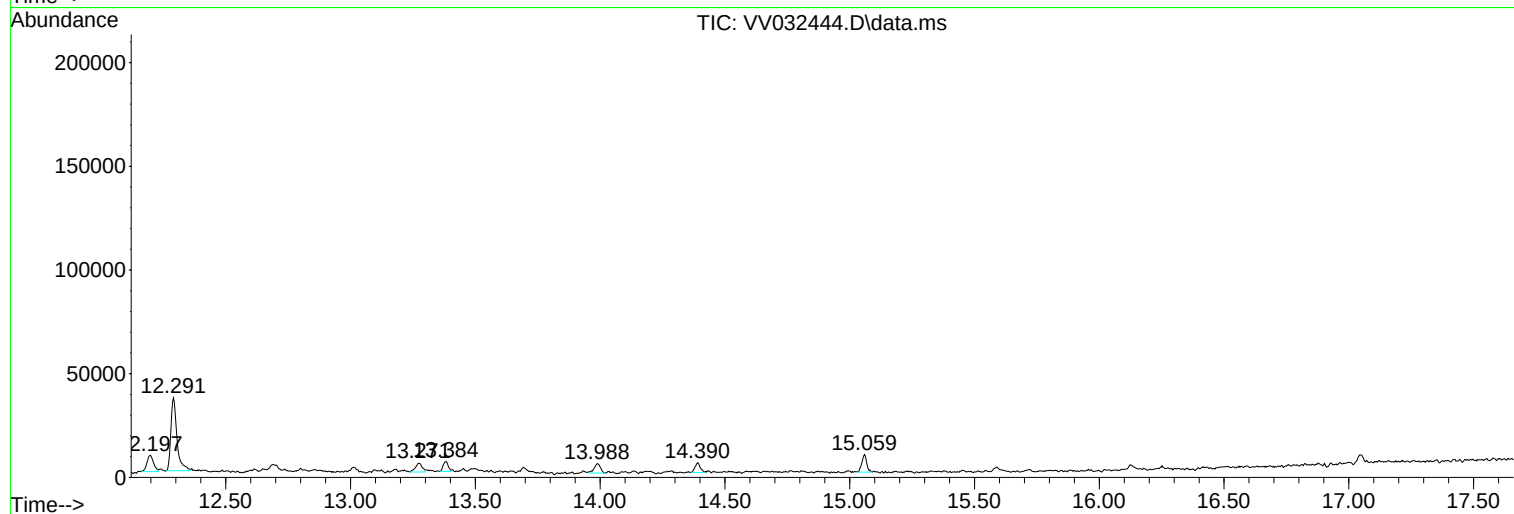
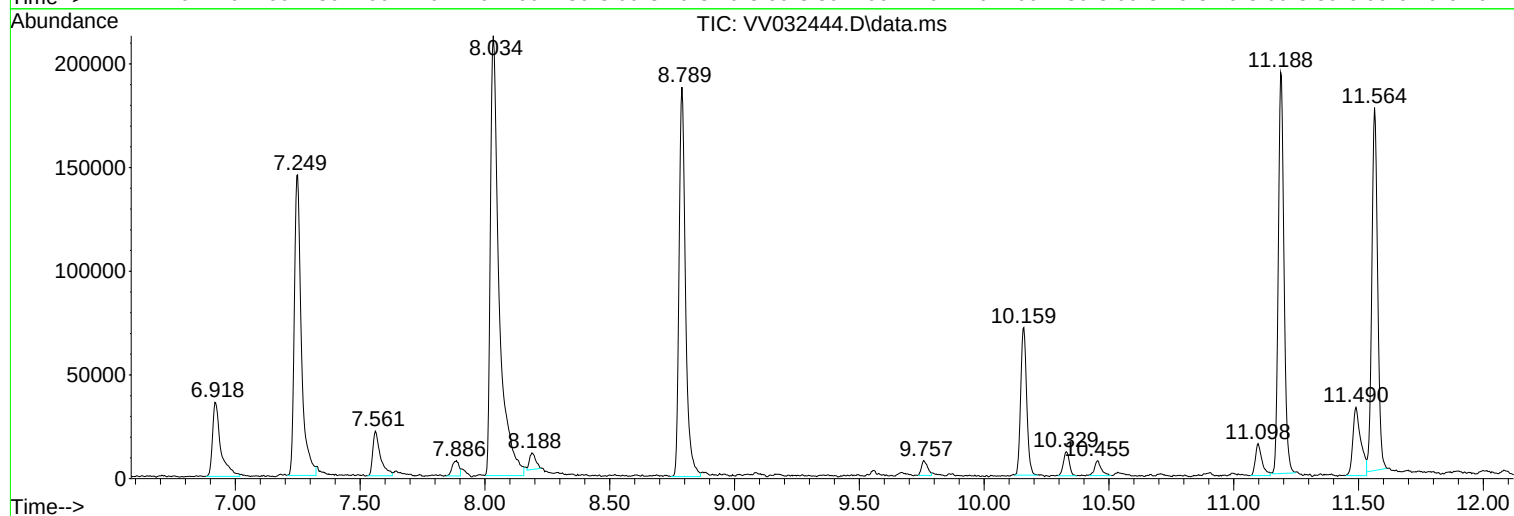
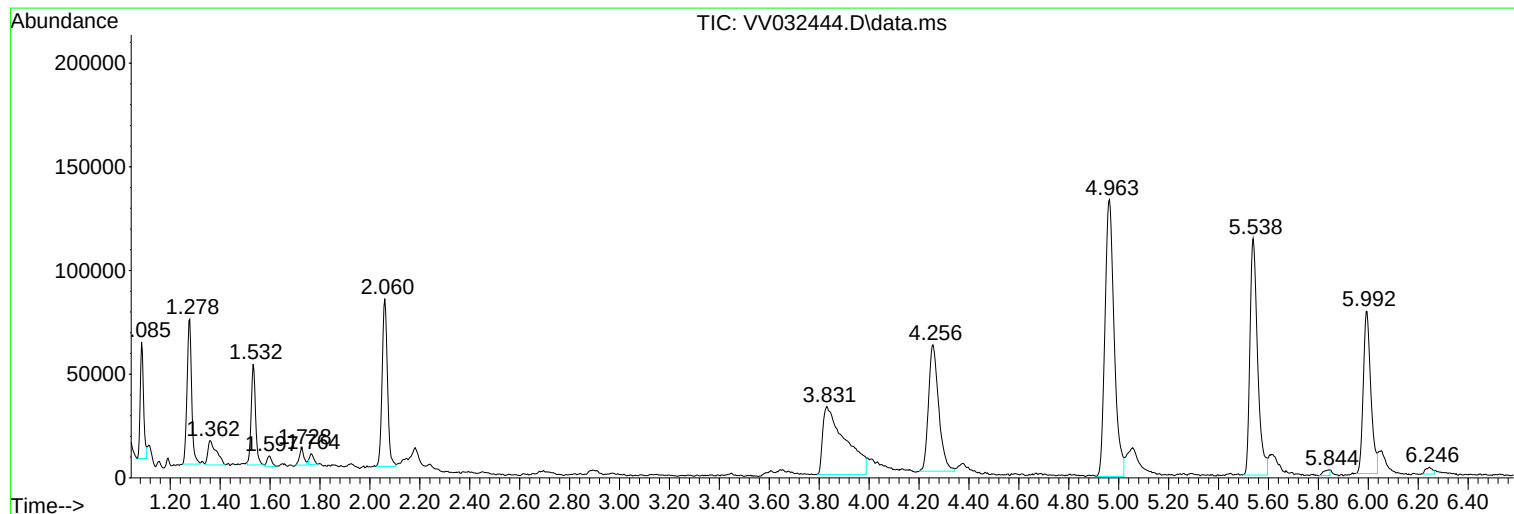
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV101723\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AE4

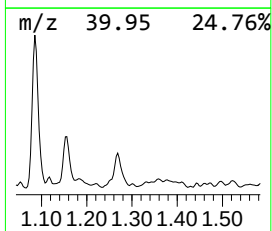
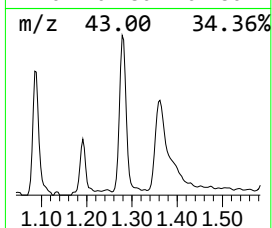
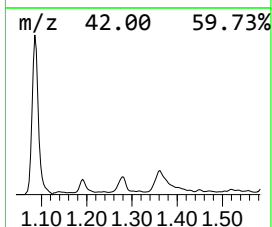
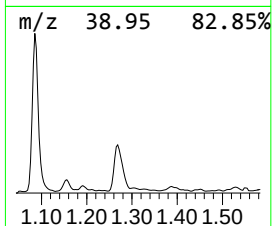
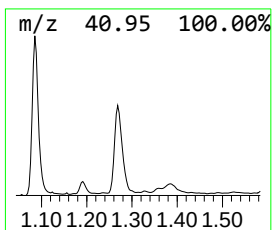
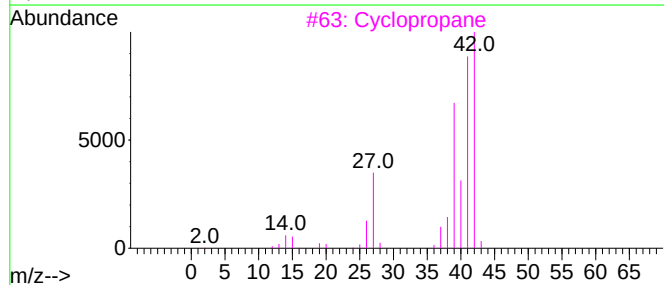
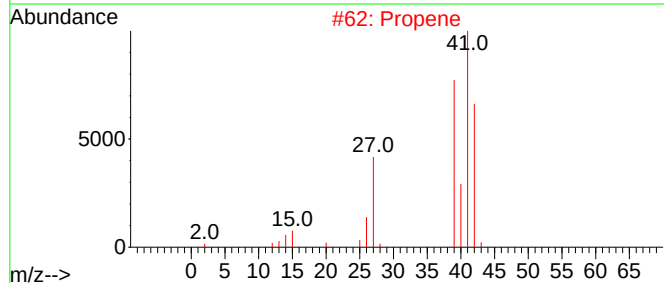
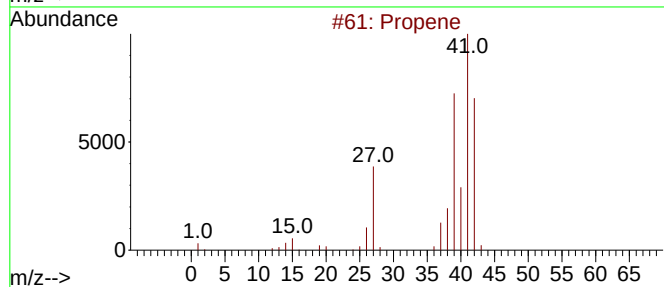
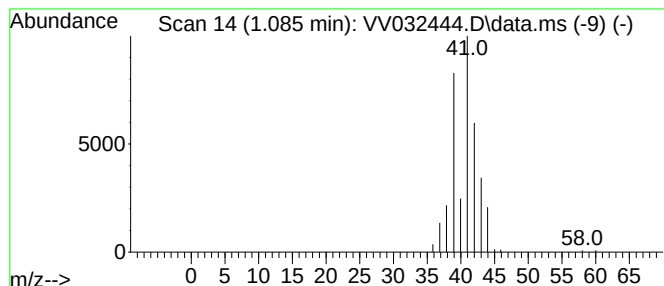
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.085 | 1.06 ug/L | 51702 | 1,4-Difluorobenzene | 5.538 |

| Hit# | of | 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|---|------------------------|----|---------|-------------|------|
| 1    |    |   | Propene                | 42 | C3H6    | 000115-07-1 | 90   |
| 2    |    |   | Propene                | 42 | C3H6    | 000115-07-1 | 42   |
| 3    |    |   | Cyclopropane           | 42 | C3H6    | 000075-19-4 | 40   |
| 4    |    |   | Cyclopropane           | 42 | C3H6    | 000075-19-4 | 40   |
| 5    |    |   | 2-Oxetanone, 4-methyl- | 86 | C4H6O2  | 003068-88-0 | 9    |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AE4

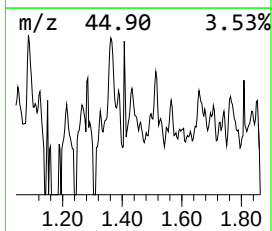
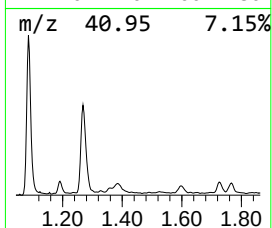
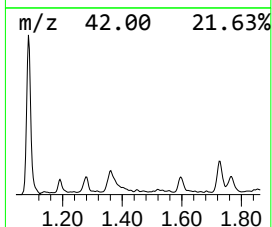
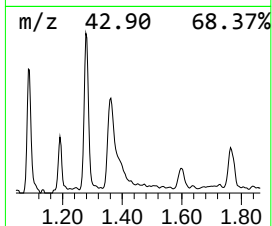
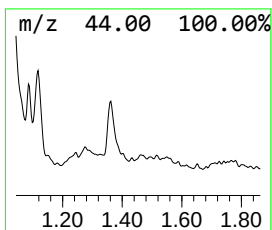
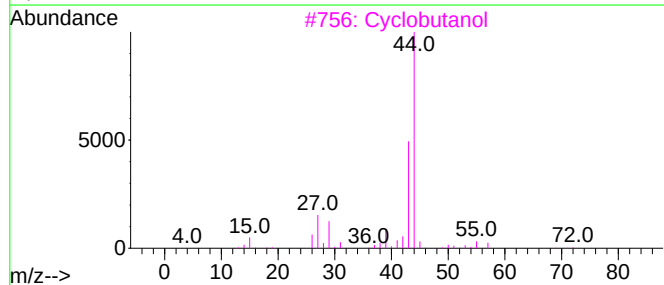
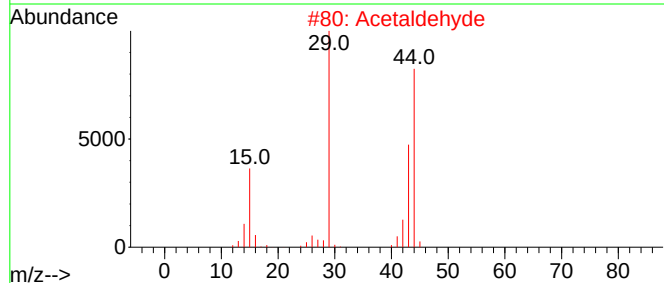
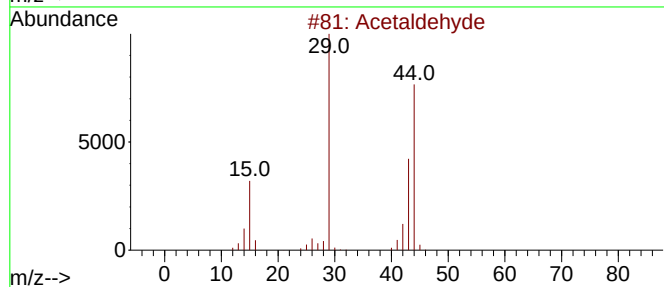
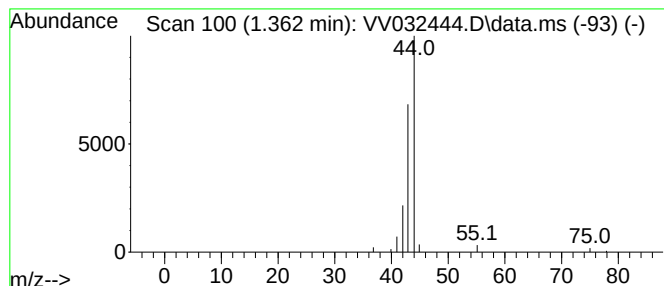
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 Acetaldehyde Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.362 | 0.56 ug/L | 27247 | 1,4-Difluorobenzene | 5.538 |

| 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    |    |   | Cyclobutanol   | 72 | C4H8O   | 002919-23-5 | 9    |
| 4    |    |   | Propane        | 44 | C3H8    | 000074-98-6 | 5    |
| 5    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AE4

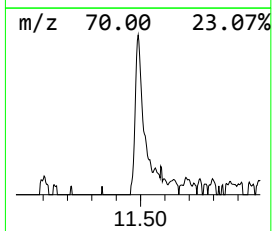
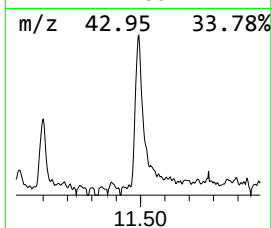
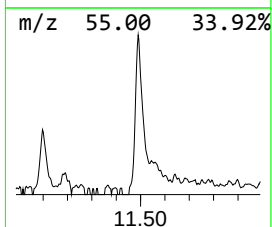
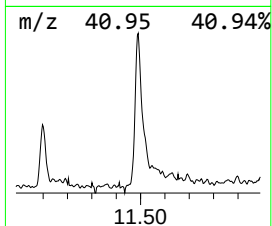
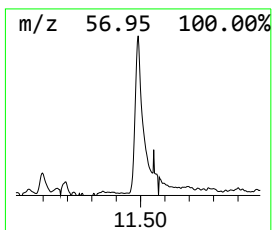
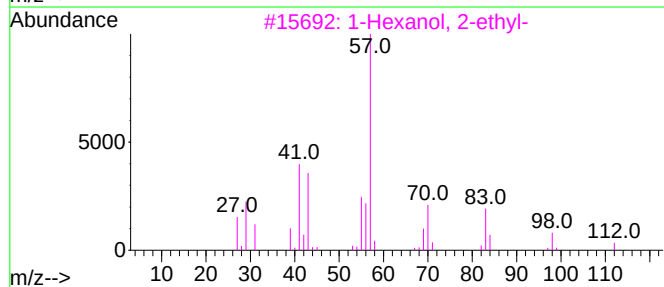
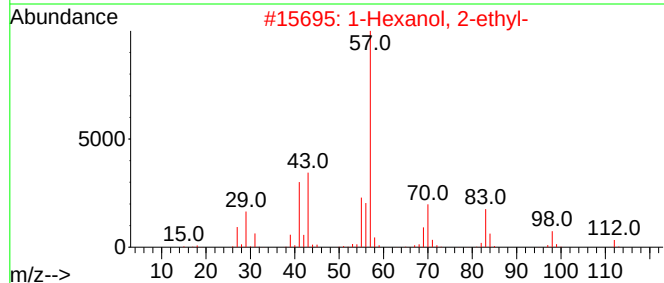
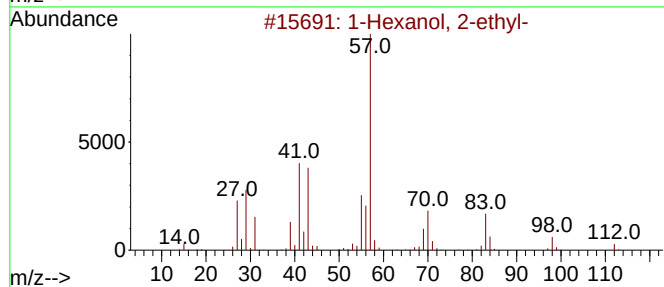
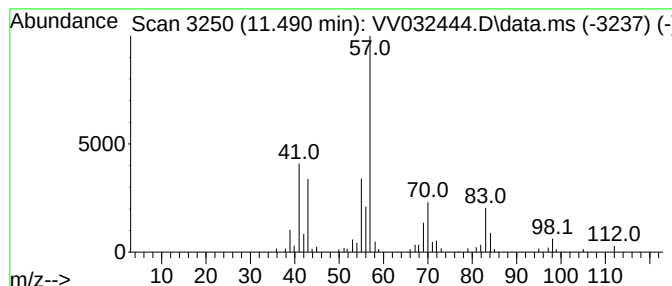
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.490 | 1.19 ug/L | 73190 | 1,4-Dichlorobenzene-d4 | 11.188 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 90   |
| 2    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 83   |
| 3    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 83   |
| 4    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 78   |
| 5    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 78   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AE4

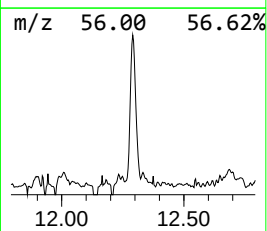
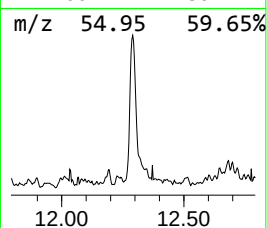
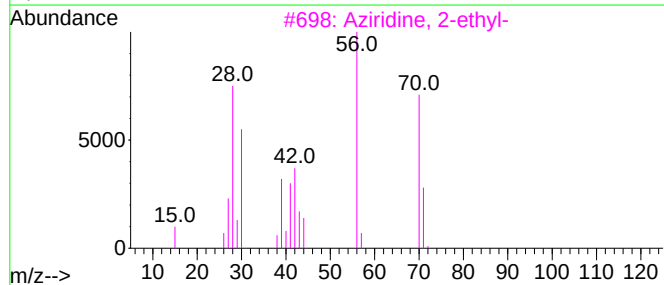
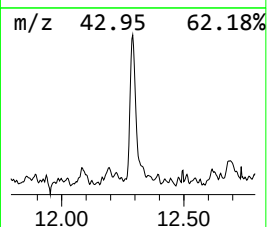
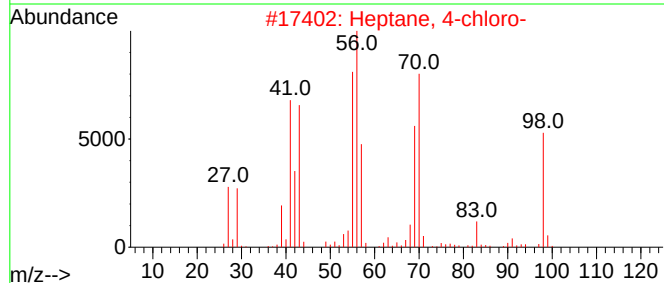
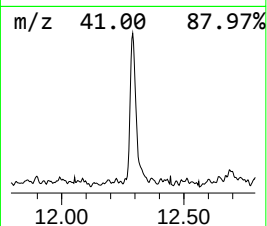
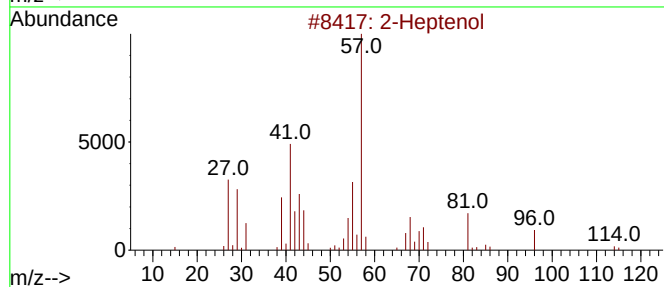
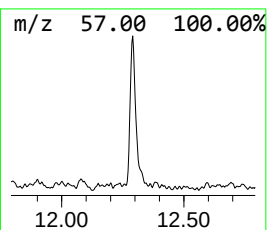
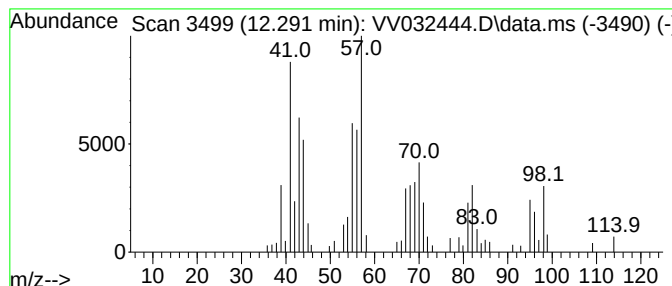
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 5 unknown-01 Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.291 | 0.97 ug/L | 59678 | 1,4-Dichlorobenzene-d4 | 11.188 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2-Heptenol                        | 114 | C7H14O   | 1000429-19-3 | 38   |
| 2    |    |   | Heptane, 4-chloro-                | 134 | C7H15Cl  | 000998-95-8  | 35   |
| 3    |    |   | Aziridine, 2-ethyl-               | 71  | C4H9N    | 002549-67-9  | 35   |
| 4    |    |   | Carbonic acid, heptyl vinyl ester | 186 | C10H18O3 | 1010383-25-4 | 27   |
| 5    |    |   | 1-Heptene                         | 98  | C7H14    | 000592-76-7  | 27   |



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Operator : SY/MD  
Sample : 04903-01  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
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 |
| (DEL) Alkane: S... | 1.085  | 1.1     | ug/L  | 51702    | 1                     | 5.538  | 244626 | 5.0  |
| Acetaldehyde       | 1.362  | 0.6     | ug/L  | 27247    | 1                     | 5.538  | 244626 | 5.0  |
| 1-Hexanol, 2-et... | 11.490 | 1.2     | ug/L  | 73190    | 3                     | 11.188 | 306762 | 5.0  |
| unknown-01         | 12.291 | 1.0     | ug/L  | 59678    | 3                     | 11.188 | 306762 | 5.0  |