

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
 Data File : VU046991.D  
 Acq On : 02 Feb 2022 02:59  
 Operator : SY/MD  
 Sample : N1348-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX5

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\_U\Method\SFAMUTR011822WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VU046991.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         | 1.382       | 7             | 13          | 19           | rBV2     | 26671          | 27600         | 2.55%           | 0.348%        |
| 2         | 1.417       | 19            | 24          | 35           | rVB      | 10501          | 12973         | 1.20%           | 0.163%        |
| 3         | 1.472       | 35            | 41          | 47           | rBV2     | 12676          | 15104         | 1.40%           | 0.190%        |
| 4         | 1.630       | 80            | 90          | 98           | rBV2     | 72249          | 97032         | 8.98%           | 1.222%        |
| 5         | 1.951       | 181           | 190         | 208          | rVB      | 48854          | 69374         | 6.42%           | 0.874%        |
| 6         | 2.173       | 252           | 259         | 271          | rBV5     | 7361           | 13406         | 1.24%           | 0.169%        |
| 7         | 2.607       | 378           | 394         | 419          | rBV4     | 175724         | 356410        | 32.99%          | 4.490%        |
| 8         | 3.909       | 784           | 799         | 819          | rVB      | 68494          | 160588        | 14.86%          | 2.023%        |
| 9         | 4.719       | 1031          | 1051        | 1063         | rBV2     | 105439         | 254279        | 23.54%          | 3.203%        |
| 10        | 5.137       | 1163          | 1181        | 1205         | rBV4     | 79757          | 211811        | 19.61%          | 2.668%        |
| 11        | 5.379       | 1242          | 1256        | 1270         | rBV3     | 20828          | 45278         | 4.19%           | 0.570%        |
| 12        | 5.777       | 1360          | 1380        | 1413         | rBV2     | 164690         | 403911        | 37.39%          | 5.088%        |
| 13        | 6.295       | 1528          | 1541        | 1561         | rBV      | 118591         | 223984        | 20.73%          | 2.821%        |
| 14        | 6.581       | 1611          | 1630        | 1652         | rBV      | 582765         | 1080342       | 100.00%         | 13.609%       |
| 15        | 6.732       | 1664          | 1677        | 1691         | rBV      | 97778          | 191173        | 17.70%          | 2.408%        |
| 16        | 6.925       | 1725          | 1737        | 1750         | rBV3     | 22397          | 45389         | 4.20%           | 0.572%        |
| 17        | 7.591       | 1932          | 1944        | 1959         | rBV      | 44354          | 77320         | 7.16%           | 0.974%        |
| 18        | 7.922       | 2033          | 2047        | 2062         | rBV      | 155516         | 287122        | 26.58%          | 3.617%        |
| 19        | 7.989       | 2062          | 2068        | 2082         | rVB      | 12453          | 22240         | 2.06%           | 0.280%        |
| 20        | 8.202       | 2120          | 2134        | 2147         | rBV      | 27687          | 46190         | 4.28%           | 0.582%        |
| 21        | 8.568       | 2235          | 2248        | 2264         | rBV      | 242205         | 424112        | 39.26%          | 5.342%        |
| 22        | 8.661       | 2264          | 2277        | 2309         | rBV      | 194002         | 432849        | 40.07%          | 5.452%        |
| 23        | 8.806       | 2310          | 2322        | 2341         | rBV      | 284111         | 518014        | 47.95%          | 6.525%        |
| 24        | 9.430       | 2497          | 2516        | 2543         | rBV      | 186542         | 334726        | 30.98%          | 4.216%        |
| 25        | 9.703       | 2591          | 2601        | 2617         | rVB2     | 7425           | 12456         | 1.15%           | 0.157%        |
| 26        | 10.349      | 2789          | 2802        | 2825         | rBV2     | 54398          | 98193         | 9.09%           | 1.237%        |
| 27        | 10.764      | 2918          | 2931        | 2945         | rVB      | 79866          | 129003        | 11.94%          | 1.625%        |
| 28        | 10.896      | 2963          | 2972        | 2982         | rVB      | 6752           | 10913         | 1.01%           | 0.137%        |
| 29        | 11.259      | 3072          | 3085        | 3092         | rBV      | 20981          | 32670         | 3.02%           | 0.412%        |
| 30        | 11.298      | 3092          | 3097        | 3110         | rVB4     | 16952          | 26405         | 2.44%           | 0.333%        |
| 31        | 11.690      | 3207          | 3219        | 3233         | rBV      | 169226         | 269426        | 24.94%          | 3.394%        |
| 32        | 11.816      | 3247          | 3258        | 3275         | rVB      | 235010         | 379278        | 35.11%          | 4.778%        |
| 33        | 12.195      | 3361          | 3376        | 3398         | rVV      | 171175         | 281044        | 26.01%          | 3.540%        |
| 34        | 12.545      | 3474          | 3485        | 3501         | rBV4     | 26266          | 48116         | 4.45%           | 0.606%        |
| 35        | 12.886      | 3580          | 3591        | 3625         | rBV      | 367784         | 556132        | 51.48%          | 7.005%        |
| 36        | 13.597      | 3801          | 3812        | 3823         | rBV      | 8768           | 24043         | 2.23%           | 0.303%        |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX5

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\_U\Method\SFAMUTR011822WMA.M  
 Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.684 | 3831 | 3839 | 3848 | rVB5 | 15590  | 23374  | 2.16%  | 0.294% |
| 38 | 13.979 | 3917 | 3931 | 3943 | rBV5 | 7439   | 21604  | 2.00%  | 0.272% |
| 39 | 14.076 | 3943 | 3961 | 3971 | rBV5 | 5748   | 20339  | 1.88%  | 0.256% |
| 40 | 14.188 | 3988 | 3996 | 4004 | rBV3 | 10448  | 18036  | 1.67%  | 0.227% |
| 41 | 14.449 | 4069 | 4077 | 4085 | rBV2 | 27859  | 38824  | 3.59%  | 0.489% |
| 42 | 14.732 | 4153 | 4165 | 4185 | rBV2 | 176445 | 291706 | 27.00% | 3.675% |
| 43 | 15.066 | 4264 | 4269 | 4277 | rVB7 | 9557   | 13165  | 1.22%  | 0.166% |
| 44 | 15.208 | 4306 | 4313 | 4326 | rVB2 | 21455  | 31194  | 2.89%  | 0.393% |
| 45 | 15.365 | 4352 | 4362 | 4367 | rBV  | 37010  | 57206  | 5.30%  | 0.721% |
| 46 | 15.401 | 4367 | 4373 | 4382 | rVB  | 55473  | 78082  | 7.23%  | 0.984% |
| 47 | 15.706 | 4459 | 4468 | 4478 | rBV6 | 34520  | 53037  | 4.91%  | 0.668% |
| 48 | 15.976 | 4545 | 4552 | 4565 | rVB2 | 18475  | 26764  | 2.48%  | 0.337% |
| 49 | 16.291 | 4643 | 4650 | 4659 | rVB2 | 20198  | 27680  | 2.56%  | 0.349% |
| 50 | 16.873 | 4823 | 4831 | 4845 | rBV8 | 12325  | 18669  | 1.73%  | 0.235% |

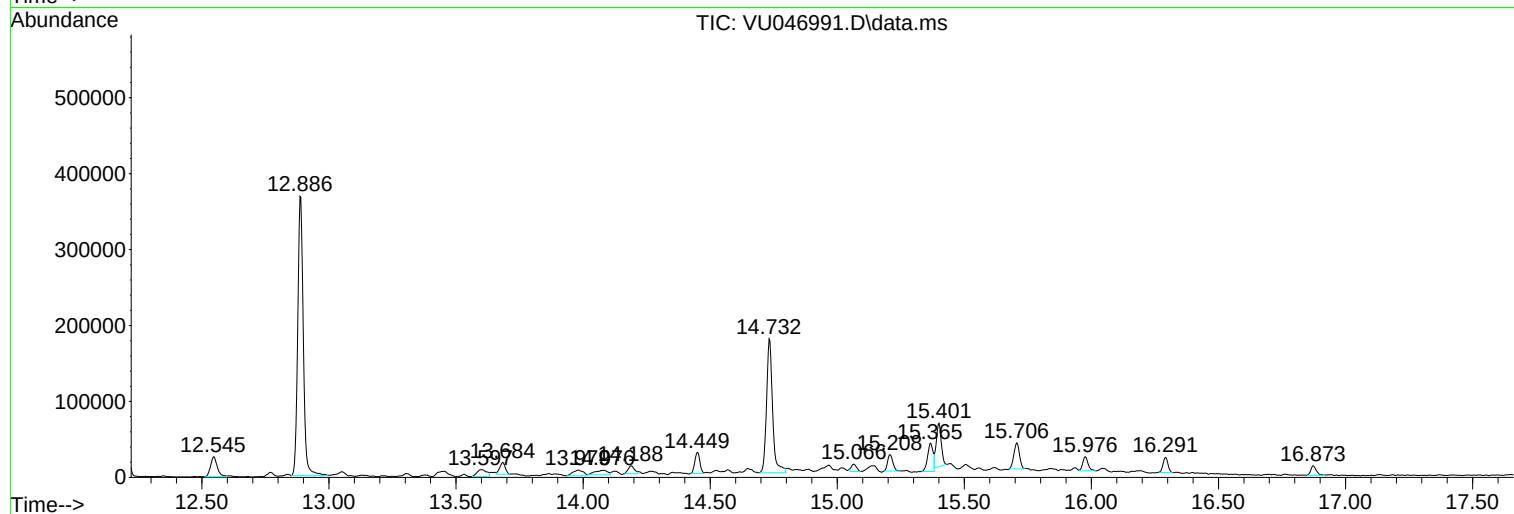
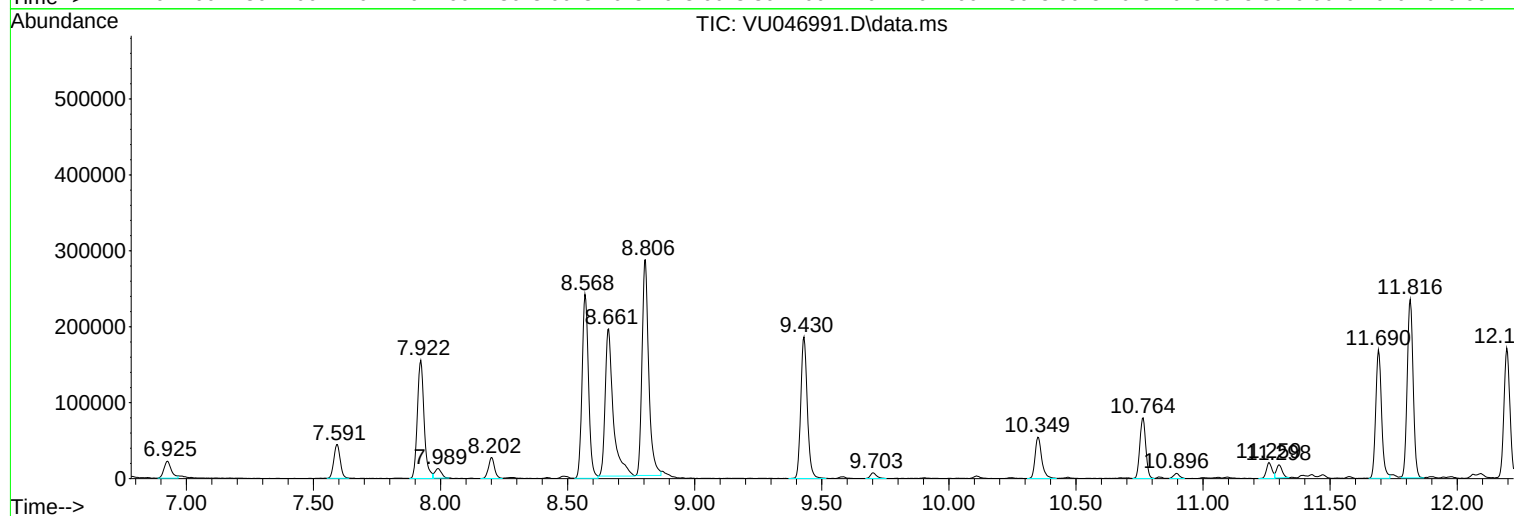
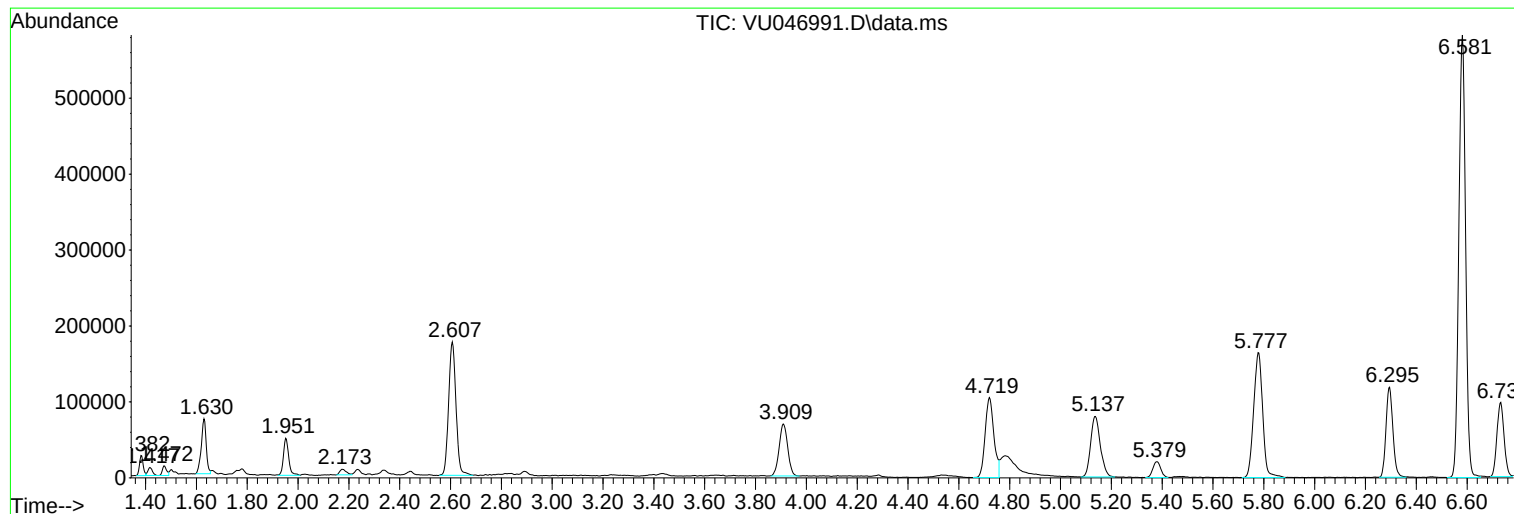
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Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Sample : N1348-01  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0

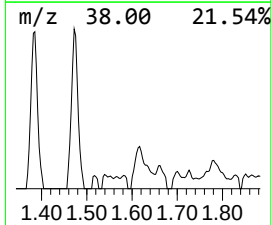
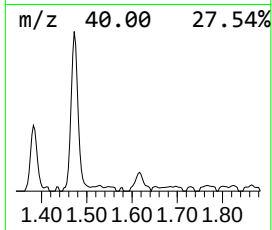
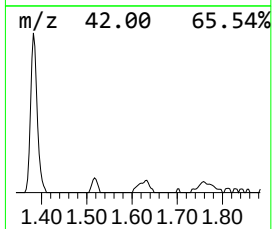
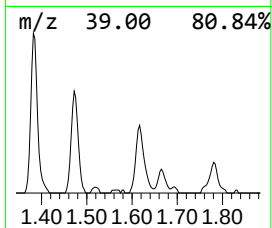
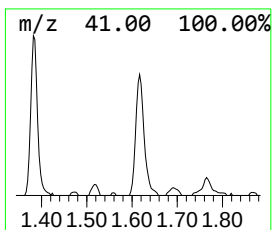
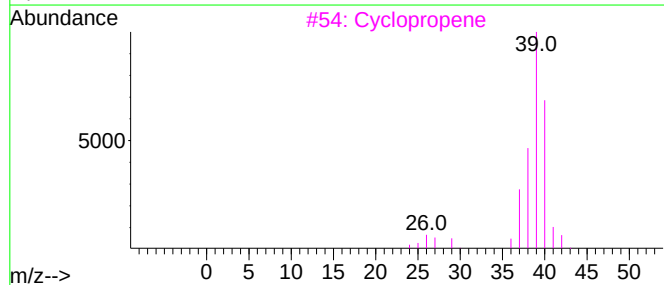
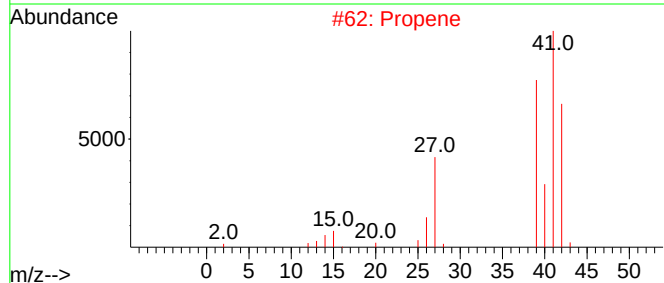
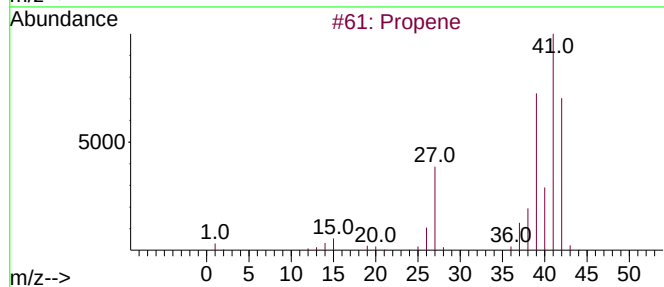
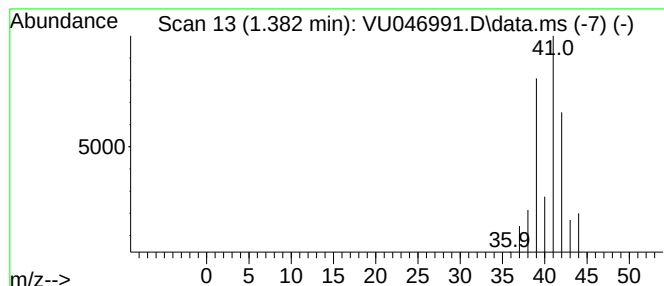
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.382 | 0.62 ug/L | 27600 | 1,4-Difluorobenzene | 6.295 |

| 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    |    |   | Cyclopropene           | 40 | C3H4    | 002781-85-3 | 10   |
| 4    |    |   | 2-Oxetanone, 4-methyl- | 86 | C4H6O2  | 003068-88-0 | 9    |
| 5    |    |   | Cyclopropane           | 42 | C3H6    | 000075-19-4 | 9    |



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Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXY5

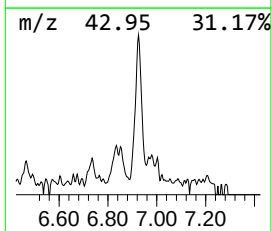
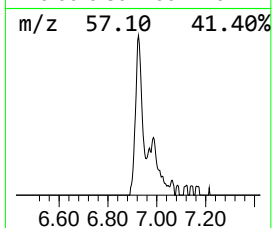
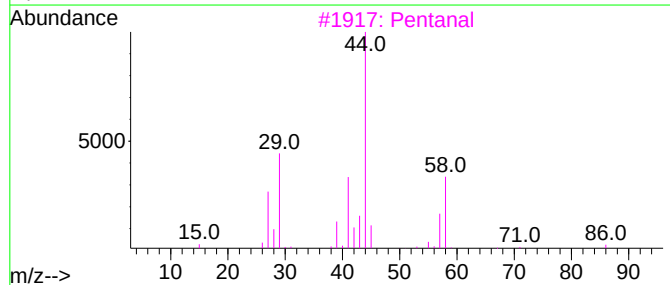
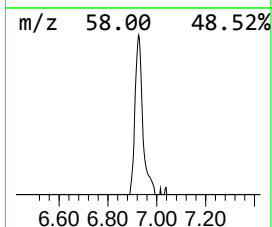
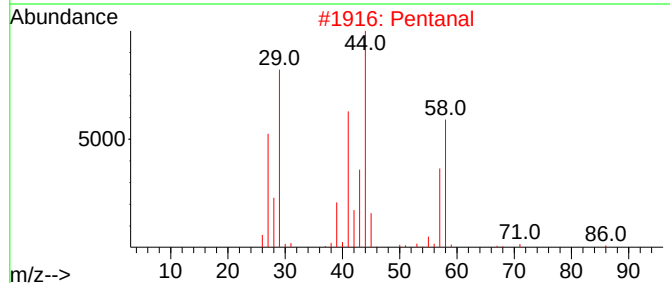
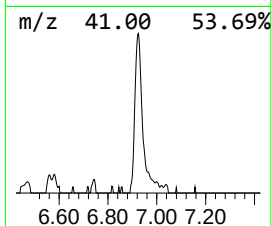
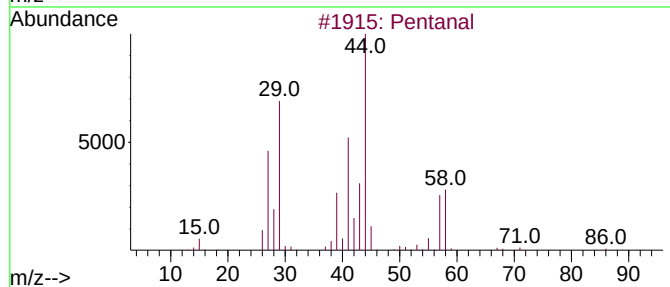
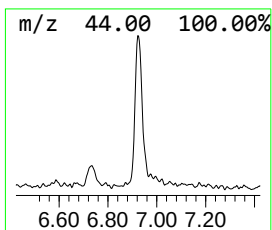
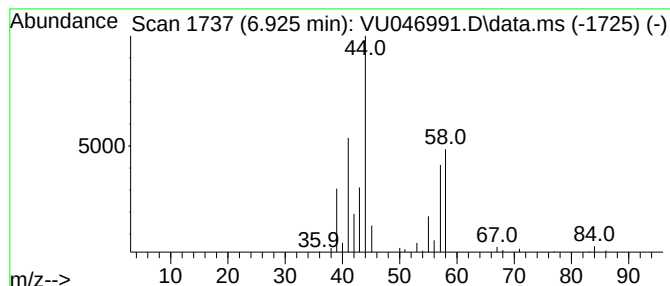
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 Pentanal Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 6.925 | 1.01 ug/L | 45389 | 1,4-Difluorobenzene | 6.295 |

| Hit# | of                 | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|--------------------|---|--------------|----|---------|-------------|------|
| 1    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 78   |
| 2    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 78   |
| 3    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 72   |
| 4    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 40   |
| 5    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 40   |



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MSVOA\_U  
ClientSampleId :  
BFX5

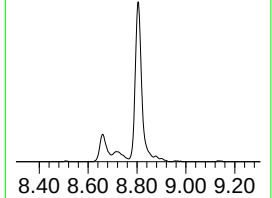
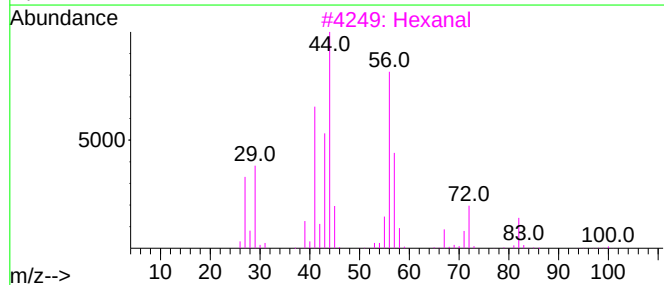
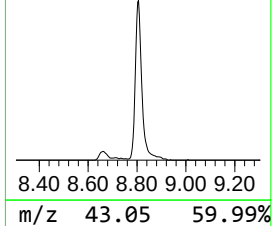
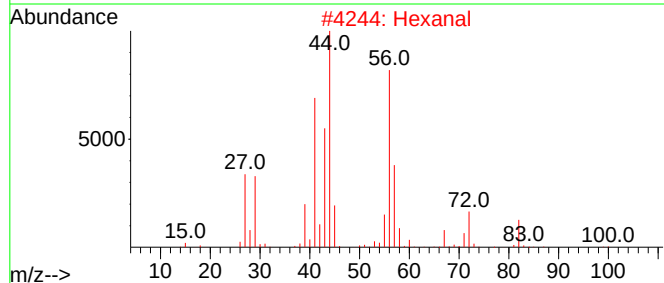
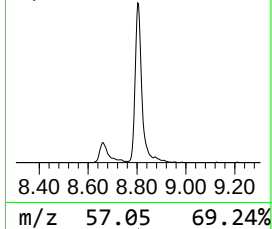
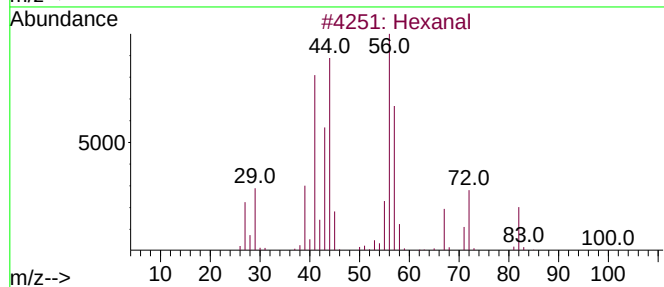
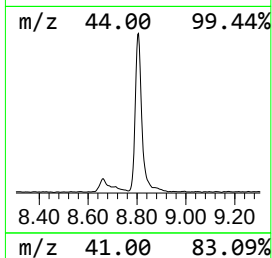
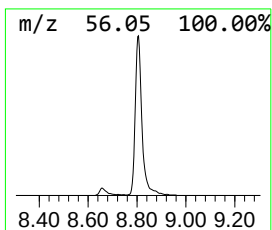
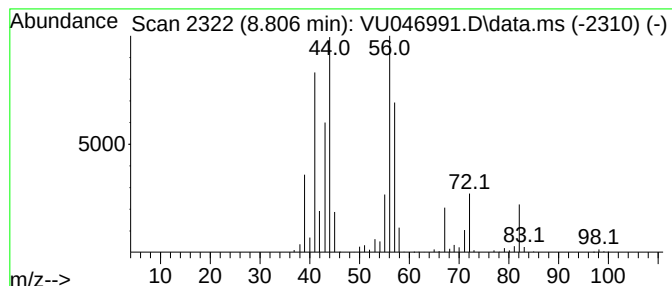
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 4 Hexanal Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 8.806 | 7.74 ug/L | 518014 | Chlorobenzene-d5 | 9.430 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 96   |
| 2    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 91   |
| 3    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 87   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 86   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 78   |



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Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

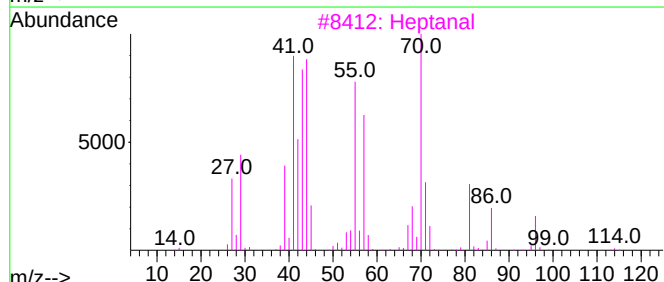
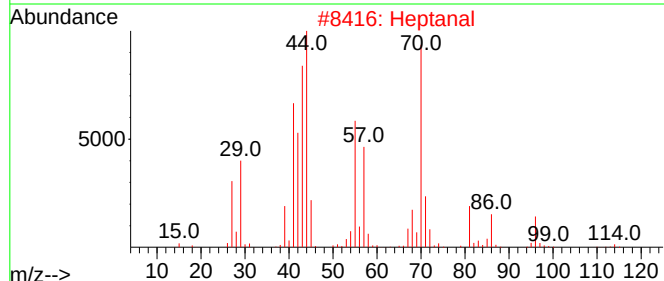
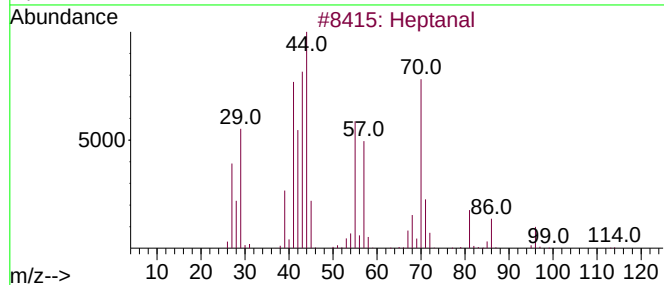
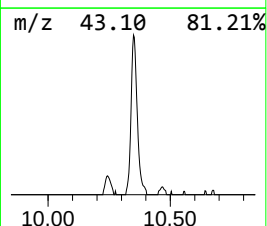
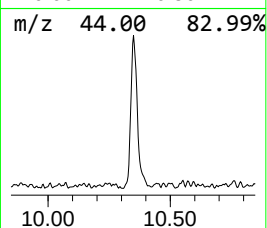
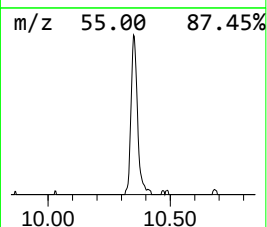
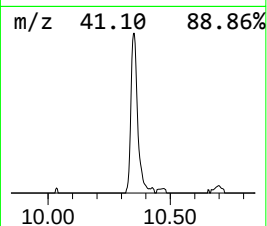
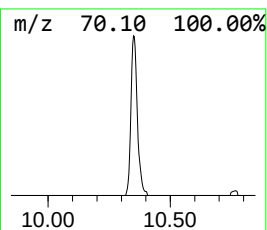
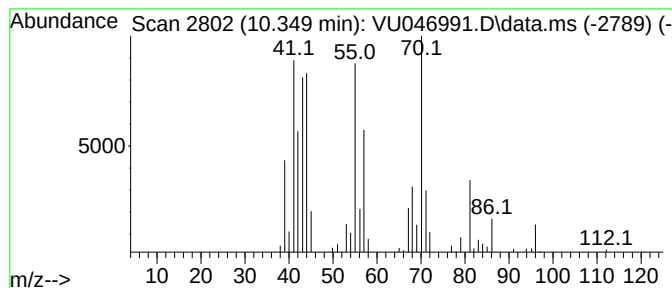
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 5 Heptanal Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.  |
|--------|-----------|-------|------------------|-------|
| 10.349 | 1.47 ug/L | 98193 | Chlorobenzene-d5 | 9.430 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Heptanal     | 114 | C7H14O  | 000111-71-7 | 80   |
| 2    |    |   | Heptanal     | 114 | C7H14O  | 000111-71-7 | 80   |
| 3    |    |   | Heptanal     | 114 | C7H14O  | 000111-71-7 | 80   |
| 4    |    |   | Heptanal     | 114 | C7H14O  | 000111-71-7 | 64   |
| 5    |    |   | Heptanal     | 114 | C7H14O  | 000111-71-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

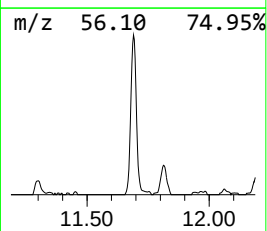
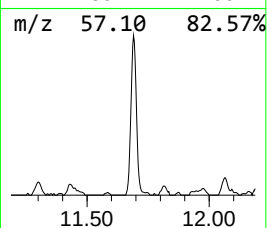
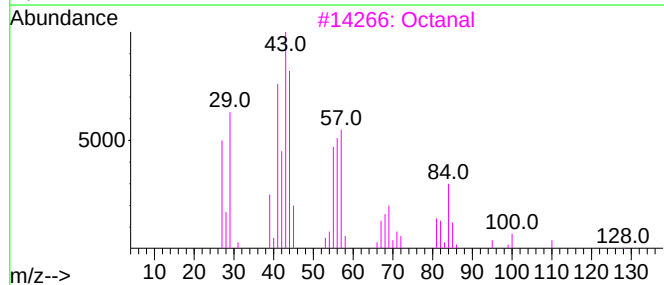
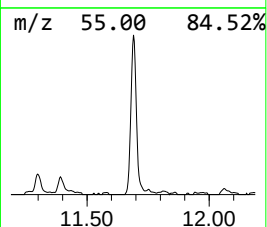
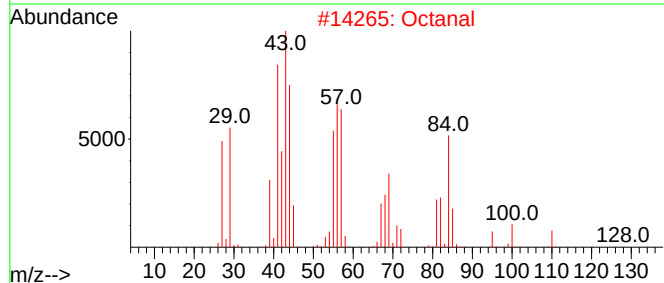
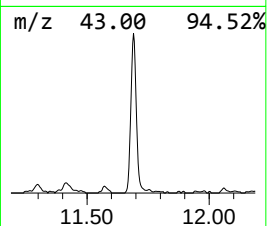
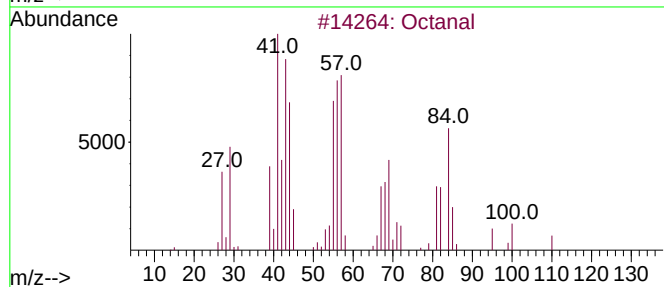
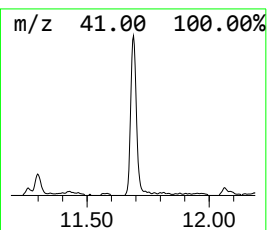
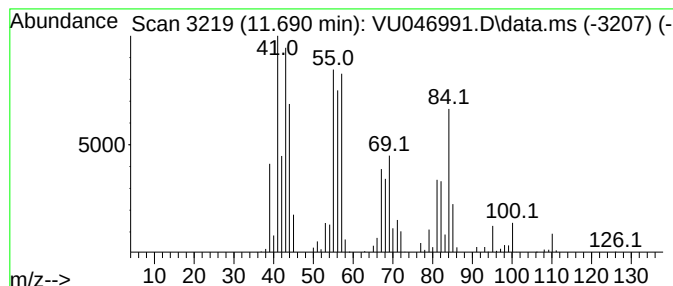
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 6 Octanal Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.690 | 3.55 ug/L | 269426 | 1,4-Dichlorobenzene-d4 | 11.816 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 91   |
| 2    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 86   |
| 3    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 80   |
| 4    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 80   |
| 5    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 72   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

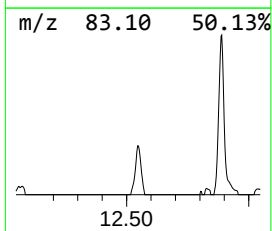
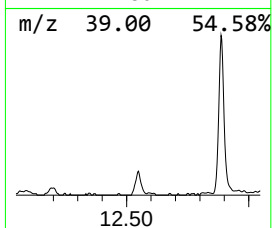
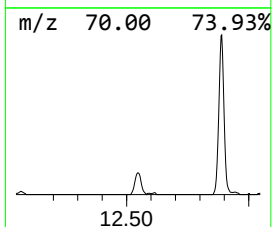
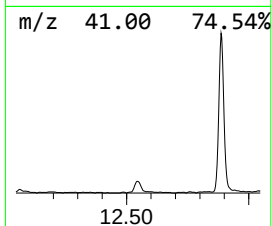
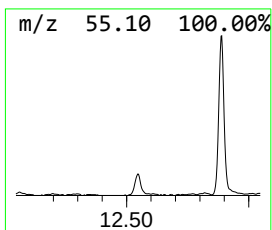
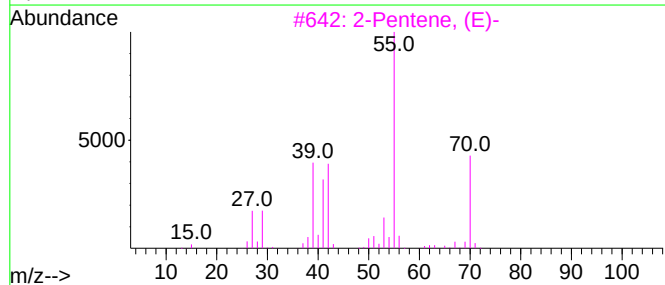
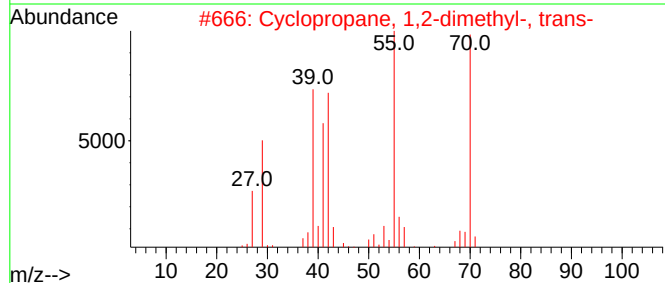
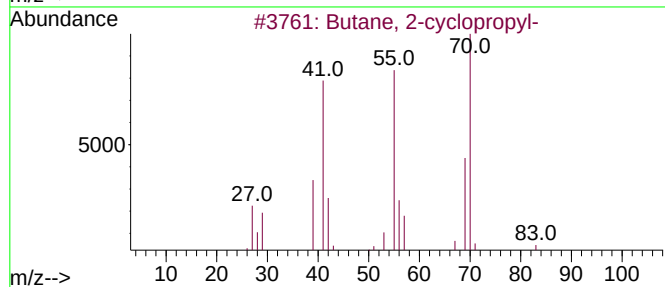
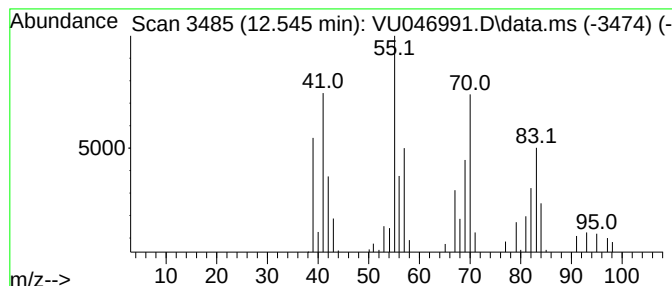
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 7 unknown-01 Concentration Rank 11

| R.T.      | EstConc                             | Area  | Relative to ISTD       |         | R.T.        |      |
|-----------|-------------------------------------|-------|------------------------|---------|-------------|------|
| 12.546    | 0.63 ug/L                           | 48116 | 1,4-Dichlorobenzene-d4 |         | 11.816      |      |
| Hit# of 5 | Tentative ID                        |       | MW                     | MolForm | CAS#        | Qual |
| 1         | Butane, 2-cyclopropyl-              |       | 98                     | C7H14   | 005750-02-7 | 43   |
| 2         | Cyclopropane, 1,2-dimethyl-, trans- |       | 70                     | C5H10   | 002402-06-4 | 43   |
| 3         | 2-Pentene, (E)-                     |       | 70                     | C5H10   | 000646-04-8 | 38   |
| 4         | Cyclopropane, 1,2-dimethyl-, trans- |       | 70                     | C5H10   | 002402-06-4 | 38   |
| 5         | Cyclopropane, 1,1-dimethyl-         |       | 70                     | C5H10   | 001630-94-0 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

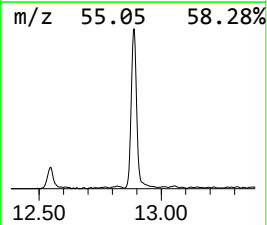
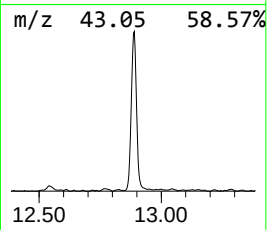
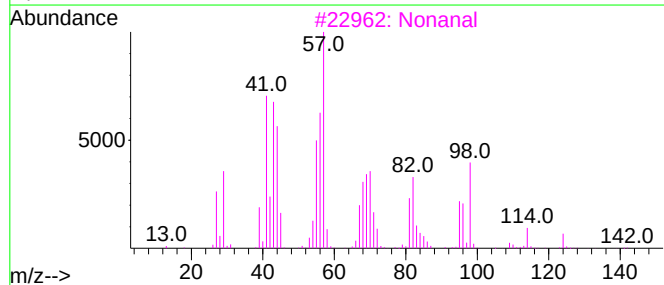
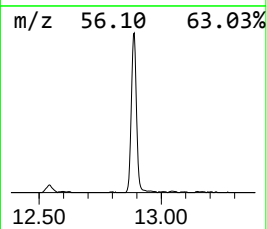
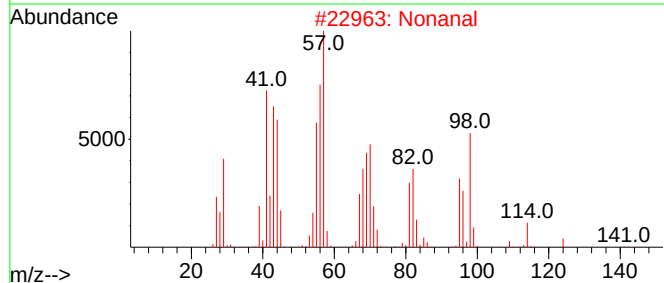
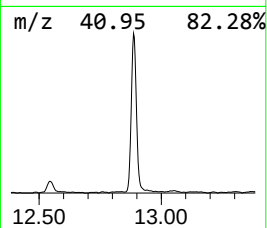
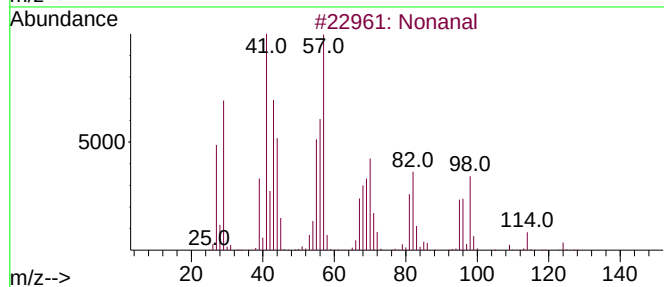
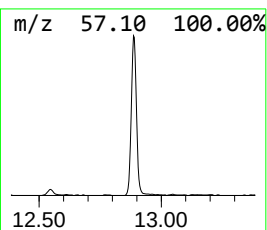
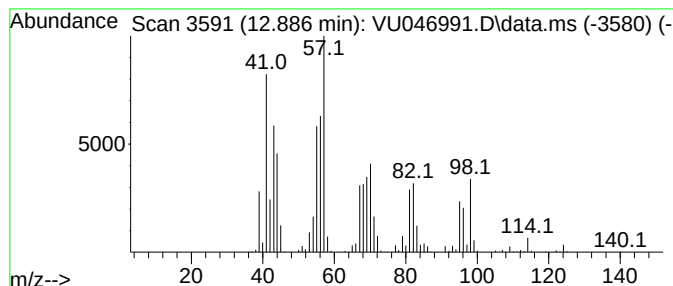
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 8 Nonanal Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.886 | 7.33 ug/L | 556132 | 1,4-Dichlorobenzene-d4 | 11.816 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonanal                     | 142 | C9H18O  | 000124-19-6 | 91   |
| 2    |    |   | Nonanal                     | 142 | C9H18O  | 000124-19-6 | 90   |
| 3    |    |   | Nonanal                     | 142 | C9H18O  | 000124-19-6 | 72   |
| 4    |    |   | Cyclopentane, 1,2-dimethyl- | 98  | C7H14   | 002452-99-5 | 27   |
| 5    |    |   | Heptane, 2-chloro-          | 134 | C7H15Cl | 001001-89-4 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0

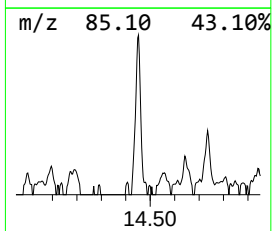
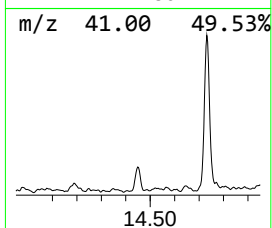
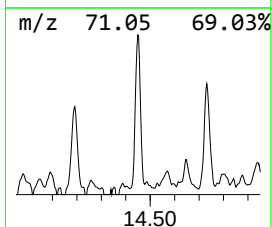
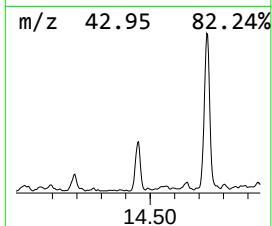
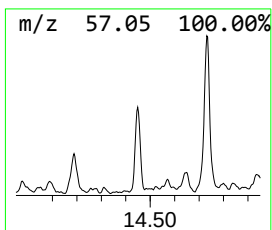
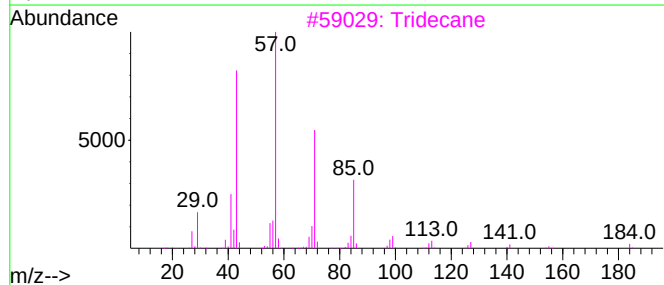
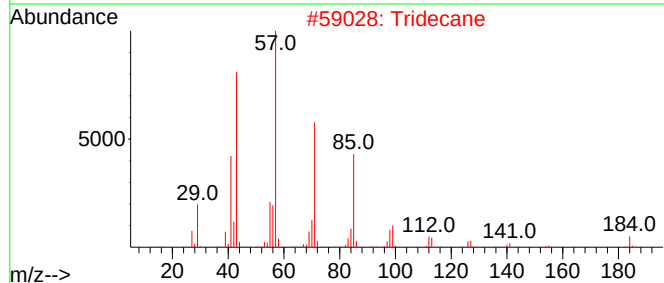
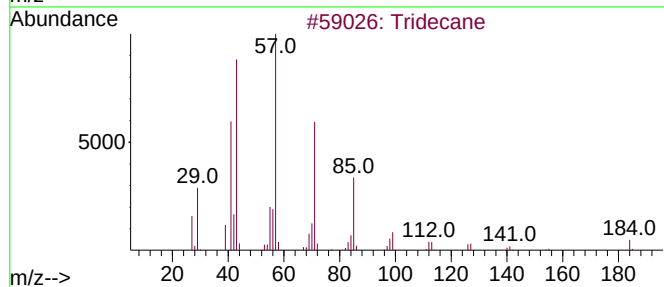
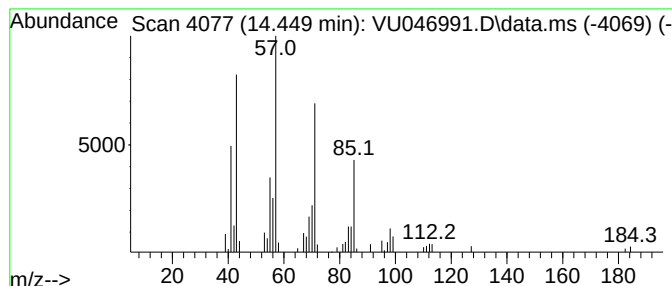
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.449 | 0.51 ug/L | 38824 | 1,4-Dichlorobenzene-d4 | 11.816 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tridecane                        | 184 | C13H28   | 000629-50-5  | 91   |
| 2    |    |   | Tridecane                        | 184 | C13H28   | 000629-50-5  | 91   |
| 3    |    |   | Tridecane                        | 184 | C13H28   | 000629-50-5  | 87   |
| 4    |    |   | Carbonic acid, nonyl vinyl ester | 214 | C12H22O3 | 1000383-25-6 | 86   |
| 5    |    |   | Tetradecane                      | 198 | C14H30   | 000629-59-4  | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

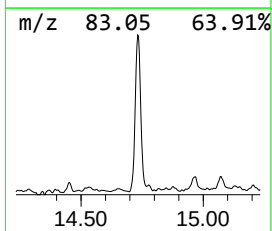
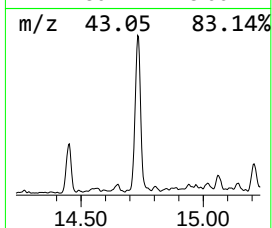
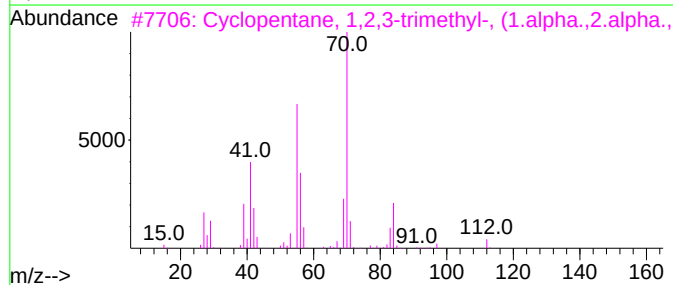
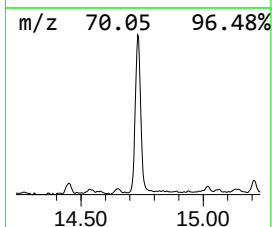
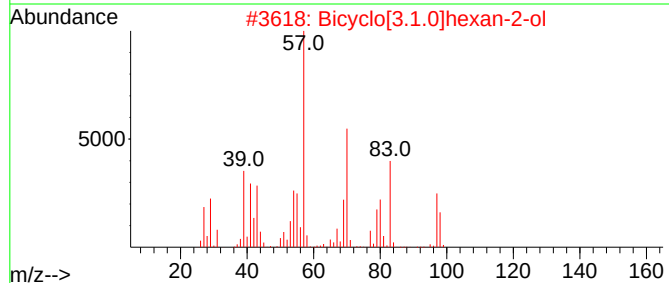
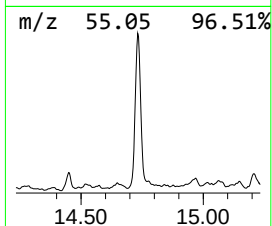
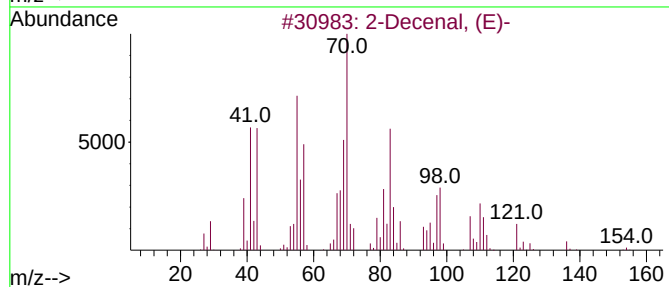
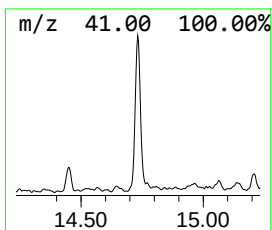
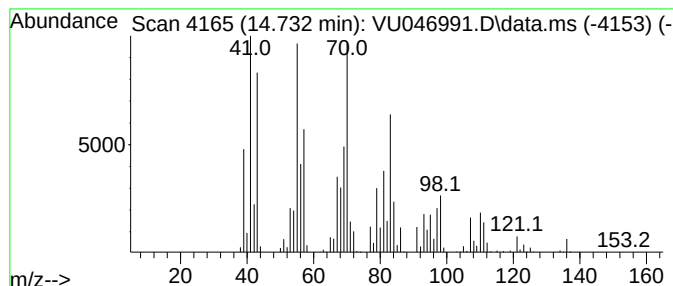
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 10 2-Decenal, (E)- Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.732 | 3.85 ug/L | 291706 | 1,4-Dichlorobenzene-d4 | 11.816 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 2-Decenal, (E)-                     | 154 | C10H18O | 003913-81-3  | 58   |
| 2    |    |   | Bicyclo[3.1.0]hexan-2-ol            | 98  | C6H10O  | 1000194-18-6 | 49   |
| 3    |    |   | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16   | 002613-69-6  | 46   |
| 4    |    |   | 2-Cyclohexen-1-ol                   | 98  | C6H10O  | 000822-67-3  | 45   |
| 5    |    |   | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16   | 002613-69-6  | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

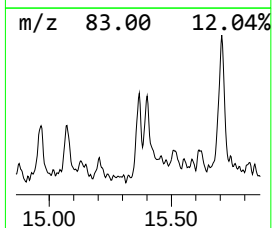
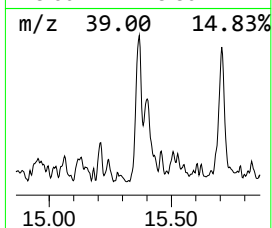
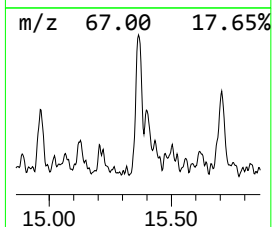
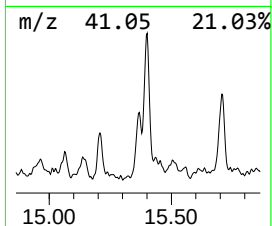
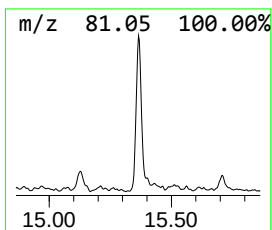
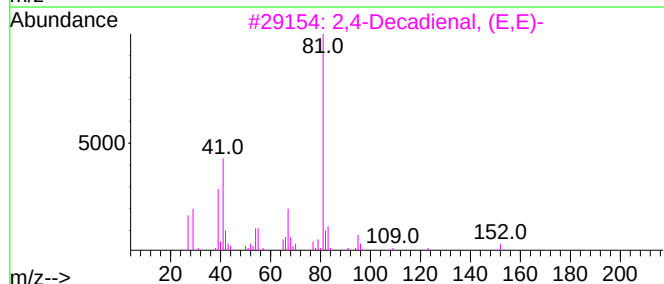
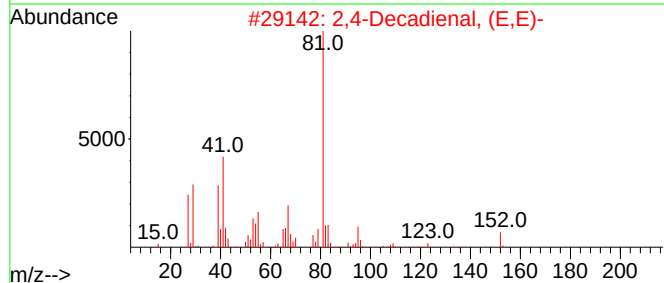
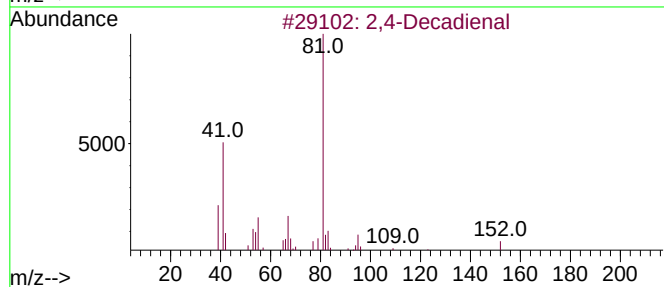
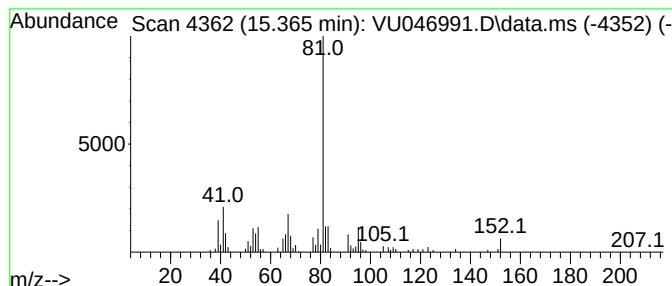
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 11 2,4-Decadienal Concentration Rank 9

| R.T.      | EstConc                | Area  | Relative to ISTD       |         | R.T.        |      |
|-----------|------------------------|-------|------------------------|---------|-------------|------|
| 15.365    | 0.75 ug/L              | 57206 | 1,4-Dichlorobenzene-d4 |         | 11.816      |      |
| Hit# of 5 | Tentative ID           |       | MW                     | MolForm | CAS#        | Qual |
| 1         | 2,4-Decadienal         |       | 152                    | C10H16O | 002363-88-4 | 94   |
| 2         | 2,4-Decadienal, (E,E)- |       | 152                    | C10H16O | 025152-84-5 | 94   |
| 3         | 2,4-Decadienal, (E,E)- |       | 152                    | C10H16O | 025152-84-5 | 94   |
| 4         | 2,4-Decadienal         |       | 152                    | C10H16O | 002363-88-4 | 93   |
| 5         | 2,4-Decadienal, (E,E)- |       | 152                    | C10H16O | 025152-84-5 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

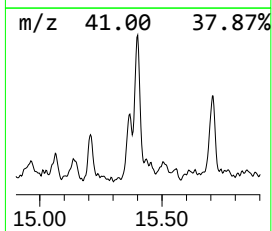
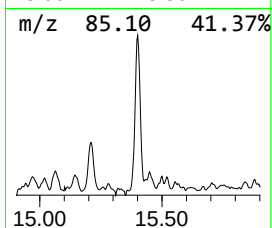
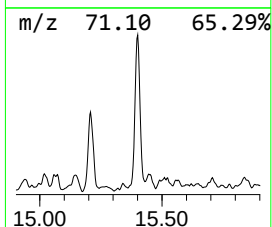
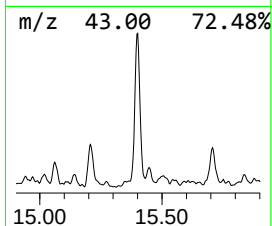
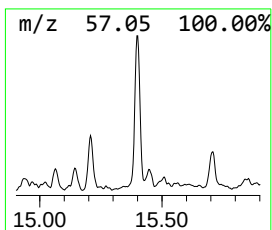
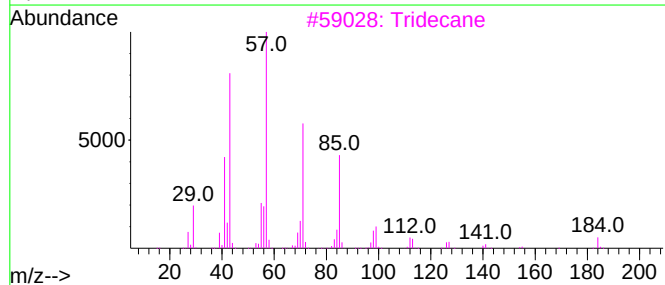
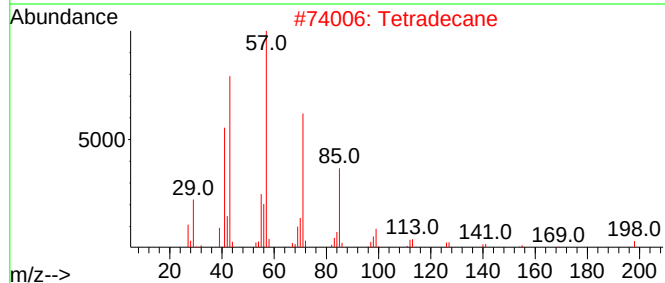
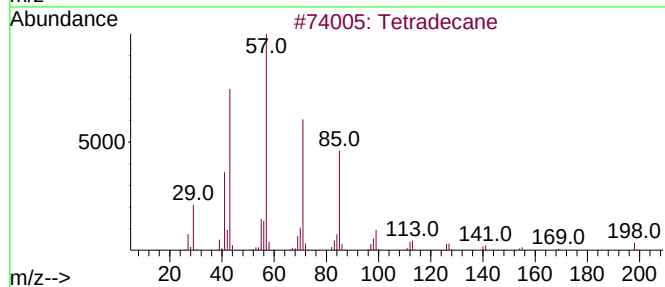
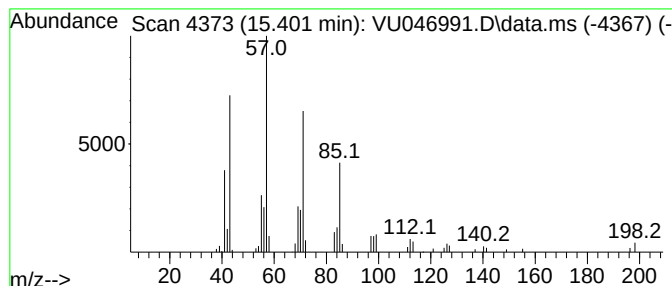
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.401 | 1.03 ug/L | 78082 | 1,4-Dichlorobenzene-d4 | 11.816 |

| Hit# | of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------|--------------|-----|---------|-------------|------|
| 1    |      | Tetradecane  | 198 | C14H30  | 000629-59-4 | 96   |
| 2    |      | Tetradecane  | 198 | C14H30  | 000629-59-4 | 94   |
| 3    |      | Tridecane    | 184 | C13H28  | 000629-50-5 | 86   |
| 4    |      | Dodecane     | 170 | C12H26  | 000112-40-3 | 86   |
| 5    |      | Nonadecane   | 268 | C19H40  | 000629-92-5 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
Data File : VU046991.D  
Acq On : 02 Feb 2022 02:59  
Operator : SY/MD  
Sample : N1348-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

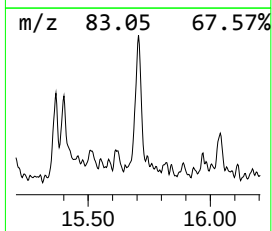
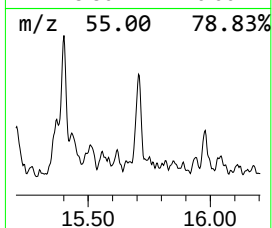
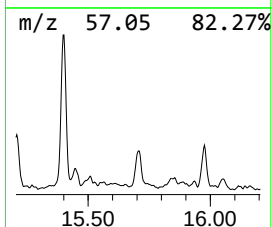
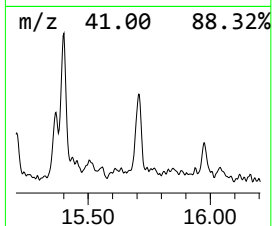
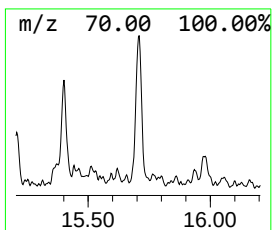
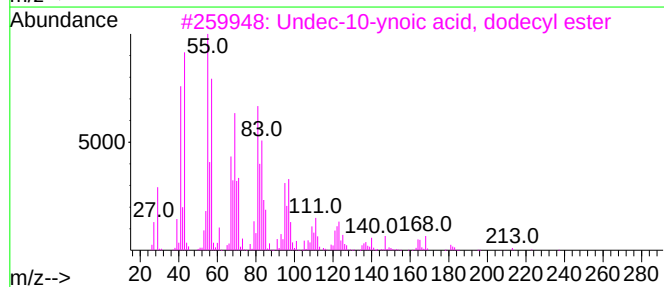
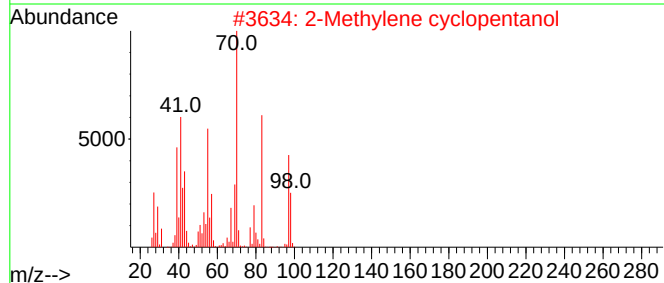
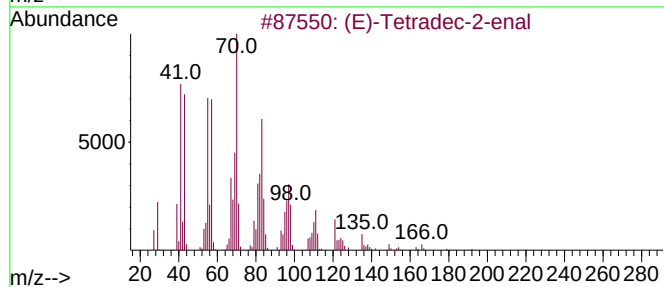
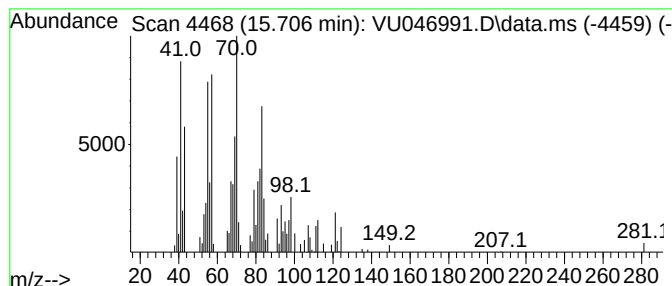
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 13 (E)-Tetradec-2-enal Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.706 | 0.70 ug/L | 53037 | 1,4-Dichlorobenzene-d4 | 11.816 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | (E)-Tetradec-2-enal                 | 210 | C14H26O  | 051534-36-2  | 72   |
| 2    |    |   | 2-Methylene cyclopentanol           | 98  | C6H10O   | 020461-31-8  | 49   |
| 3    |    |   | Undec-10-ynoic acid, dodecyl ester  | 350 | C23H42O2 | 1010406-16-5 | 47   |
| 4    |    |   | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16    | 015890-40-1  | 38   |
| 5    |    |   | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16    | 002613-69-6  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
 Data File : VU046991.D  
 Acq On : 02 Feb 2022 02:59  
 Operator : SY/MD  
 Sample : N1348-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0

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... | 1.382  | 0.6     | ug/L  | 27600    | 1                     | 6.295  | 223984 | 5.0  |
| Pentanal           | 6.925  | 1.0     | ug/L  | 45389    | 1                     | 6.295  | 223984 | 5.0  |
| Hexanal            | 8.806  | 7.7     | ug/L  | 518014   | 2                     | 9.430  | 334726 | 5.0  |
| Heptanal           | 10.349 | 1.5     | ug/L  | 98193    | 2                     | 9.430  | 334726 | 5.0  |
| Octanal            | 11.690 | 3.5     | ug/L  | 269426   | 3                     | 11.816 | 379278 | 5.0  |
| unknown-01         | 12.546 | 0.6     | ug/L  | 48116    | 3                     | 11.816 | 379278 | 5.0  |
| Nonanal            | 12.886 | 7.3     | ug/L  | 556132   | 3                     | 11.816 | 379278 | 5.0  |
| (DEL) Alkane: S... | 14.449 | 0.5     | ug/L  | 38824    | 3                     | 11.816 | 379278 | 5.0  |
| 2-Decenal, (E)-    | 14.732 | 3.9     | ug/L  | 291706   | 3                     | 11.816 | 379278 | 5.0  |
| 2,4-Decadienal     | 15.365 | 0.8     | ug/L  | 57206    | 3                     | 11.816 | 379278 | 5.0  |
| (DEL) Alkane: S... | 15.401 | 1.0     | ug/L  | 78082    | 3                     | 11.816 | 379278 | 5.0  |
| (E)-Tetradec-2-... | 15.706 | 0.7     | ug/L  | 53037    | 3                     | 11.816 | 379278 | 5.0  |