

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
 Data File : VU047333.D  
 Acq On : 04 Mar 2022 16:44  
 Operator : SY/MD  
 Sample : N1773-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFY13

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\SFAMUTR030422WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU047333.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         | 1.369       | 3             | 9           | 28           | rVB      | 198401         | 207213        | 5.30%           | 1.274%        |
| 2         | 1.616       | 74            | 86          | 102          | rBV3     | 151313         | 255558        | 6.54%           | 1.571%        |
| 3         | 1.951       | 180           | 190         | 205          | rVB      | 72350          | 100562        | 2.57%           | 0.618%        |
| 4         | 2.240       | 273           | 280         | 293          | rVB2     | 46407          | 70613         | 1.81%           | 0.434%        |
| 5         | 2.604       | 382           | 393         | 421          | rBV3     | 184148         | 349911        | 8.95%           | 2.151%        |
| 6         | 4.755       | 1048          | 1062        | 1109         | rVB2     | 62221          | 299755        | 7.67%           | 1.842%        |
| 7         | 5.105       | 1155          | 1171        | 1191         | rBV      | 111717         | 253942        | 6.49%           | 1.561%        |
| 8         | 5.777       | 1361          | 1380        | 1410         | rVB2     | 247007         | 602293        | 15.40%          | 3.702%        |
| 9         | 6.301       | 1529          | 1543        | 1563         | rVB      | 274931         | 509459        | 13.03%          | 3.131%        |
| 10        | 6.584       | 1614          | 1631        | 1644         | rBV4     | 36676          | 76008         | 1.94%           | 0.467%        |
| 11        | 6.738       | 1665          | 1679        | 1703         | rBV      | 146591         | 290551        | 7.43%           | 1.786%        |
| 12        | 6.928       | 1721          | 1738        | 1772         | rBV      | 99035          | 233173        | 5.96%           | 1.433%        |
| 13        | 7.443       | 1876          | 1898        | 1901         | rBV2     | 12867          | 51072         | 1.31%           | 0.314%        |
| 14        | 7.597       | 1936          | 1946        | 1962         | rVB      | 82028          | 144084        | 3.68%           | 0.886%        |
| 15        | 7.925       | 2036          | 2048        | 2063         | rBV      | 293755         | 506571        | 12.96%          | 3.114%        |
| 16        | 8.205       | 2126          | 2135        | 2146         | rVB      | 53507          | 86406         | 2.21%           | 0.531%        |
| 17        | 8.571       | 2241          | 2249        | 2259         | rVB2     | 26083          | 44810         | 1.15%           | 0.275%        |
| 18        | 8.661       | 2264          | 2277        | 2308         | rVV      | 419232         | 834736        | 21.35%          | 5.131%        |
| 19        | 8.806       | 2310          | 2322        | 2368         | rVB      | 1500058        | 2647271       | 67.70%          | 16.272%       |
| 20        | 9.430       | 2504          | 2516        | 2533         | rBV      | 378962         | 620914        | 15.88%          | 3.817%        |
| 21        | 10.349      | 2789          | 2802        | 2823         | rBV      | 307270         | 476626        | 12.19%          | 2.930%        |
| 22        | 10.764      | 2919          | 2931        | 2944         | rBV      | 137369         | 224580        | 5.74%           | 1.380%        |
| 23        | 10.899      | 2960          | 2973        | 2995         | rBV      | 30290          | 61892         | 1.58%           | 0.380%        |
| 24        | 11.259      | 3075          | 3085        | 3092         | rBV      | 75348          | 116257        | 2.97%           | 0.715%        |
| 25        | 11.298      | 3092          | 3097        | 3106         | rVB      | 44521          | 64187         | 1.64%           | 0.395%        |
| 26        | 11.690      | 3207          | 3219        | 3235         | rBV      | 566154         | 834788        | 21.35%          | 5.131%        |
| 27        | 11.815      | 3245          | 3258        | 3276         | rVB      | 438207         | 691311        | 17.68%          | 4.249%        |
| 28        | 12.063      | 3325          | 3335        | 3354         | rBV3     | 28826          | 58848         | 1.50%           | 0.362%        |
| 29        | 12.195      | 3364          | 3376        | 3389         | rBV      | 318845         | 509938        | 13.04%          | 3.134%        |
| 30        | 12.545      | 3472          | 3485        | 3510         | rBV3     | 100564         | 190083        | 4.86%           | 1.168%        |
| 31        | 12.774      | 3546          | 3556        | 3576         | rVB2     | 20484          | 43258         | 1.11%           | 0.266%        |
| 32        | 12.889      | 3577          | 3592        | 3623         | rBV      | 2694337        | 3910218       | 100.00%         | 24.035%       |
| 33        | 13.684      | 3830          | 3839        | 3858         | rVB3     | 51749          | 81172         | 2.08%           | 0.499%        |
| 34        | 13.983      | 3920          | 3932        | 3945         | rVB4     | 26058          | 40430         | 1.03%           | 0.249%        |
| 35        | 14.732      | 4153          | 4165        | 4184         | rBV      | 354044         | 544223        | 13.92%          | 3.345%        |
| 36        | 15.368      | 4350          | 4363        | 4374         | rBV      | 25372          | 43728         | 1.12%           | 0.269%        |

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

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\SFAMUTR030422WMA.M  
Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |       |        |       |        |
|----|--------|------|------|------|------|-------|--------|-------|--------|
| 37 | 15.706 | 4456 | 4468 | 4486 | rBV2 | 40158 | 72031  | 1.84% | 0.443% |
| 38 | 16.886 | 4823 | 4835 | 4847 | rVB2 | 65619 | 120697 | 3.09% | 0.742% |

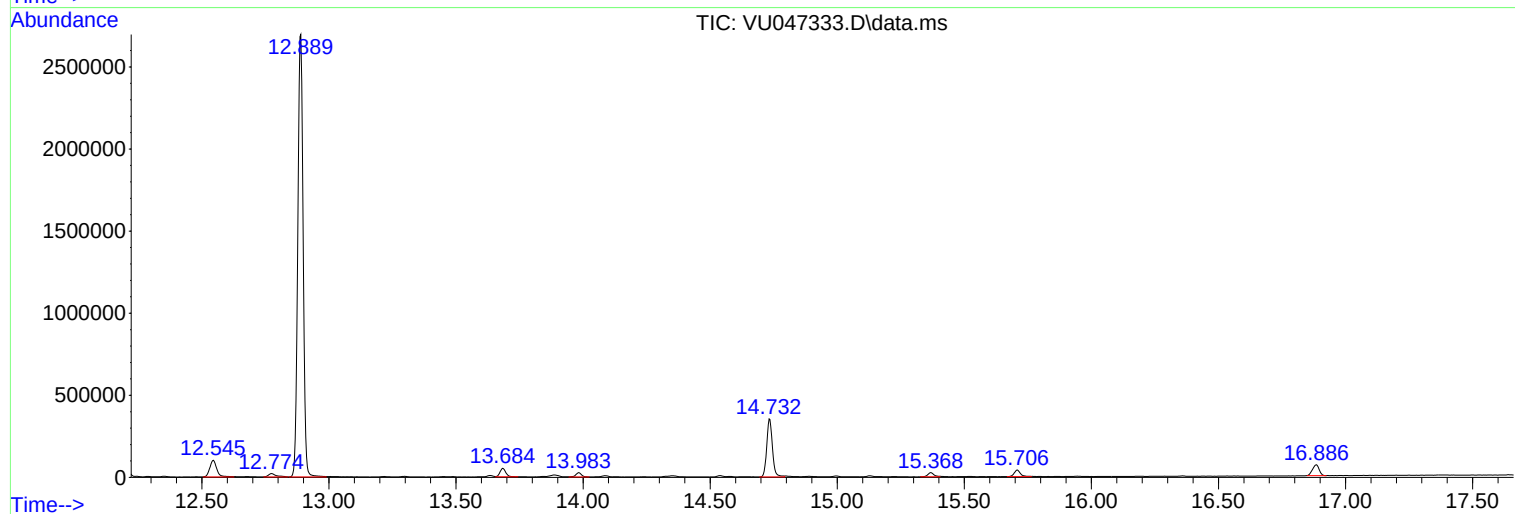
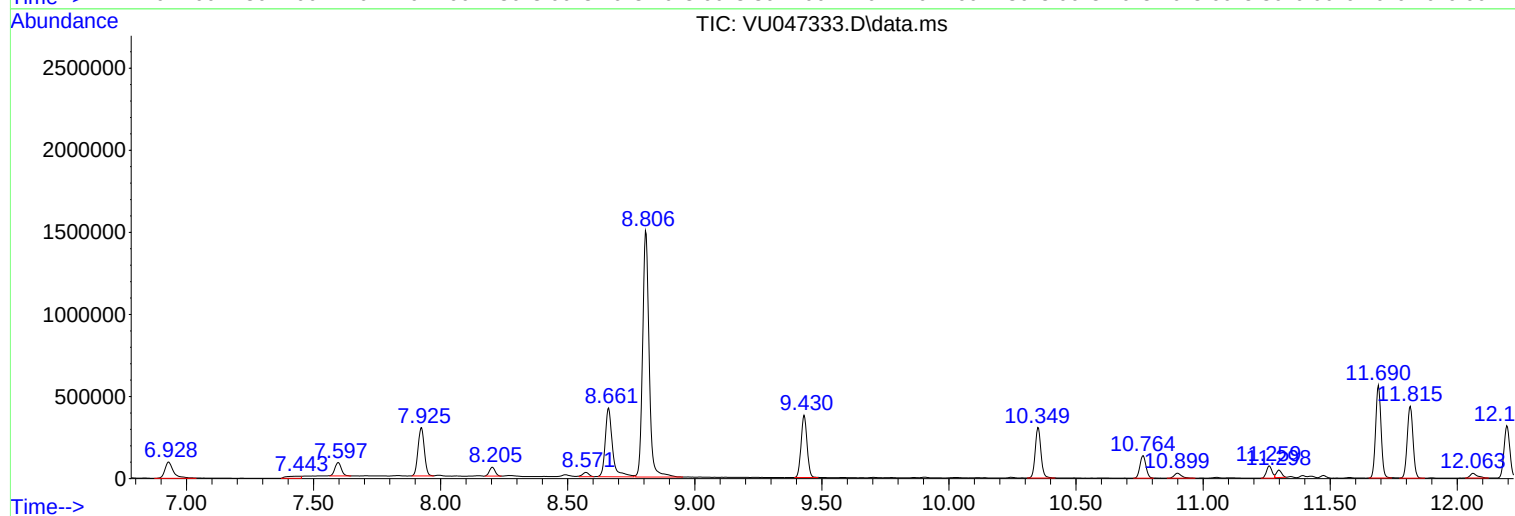
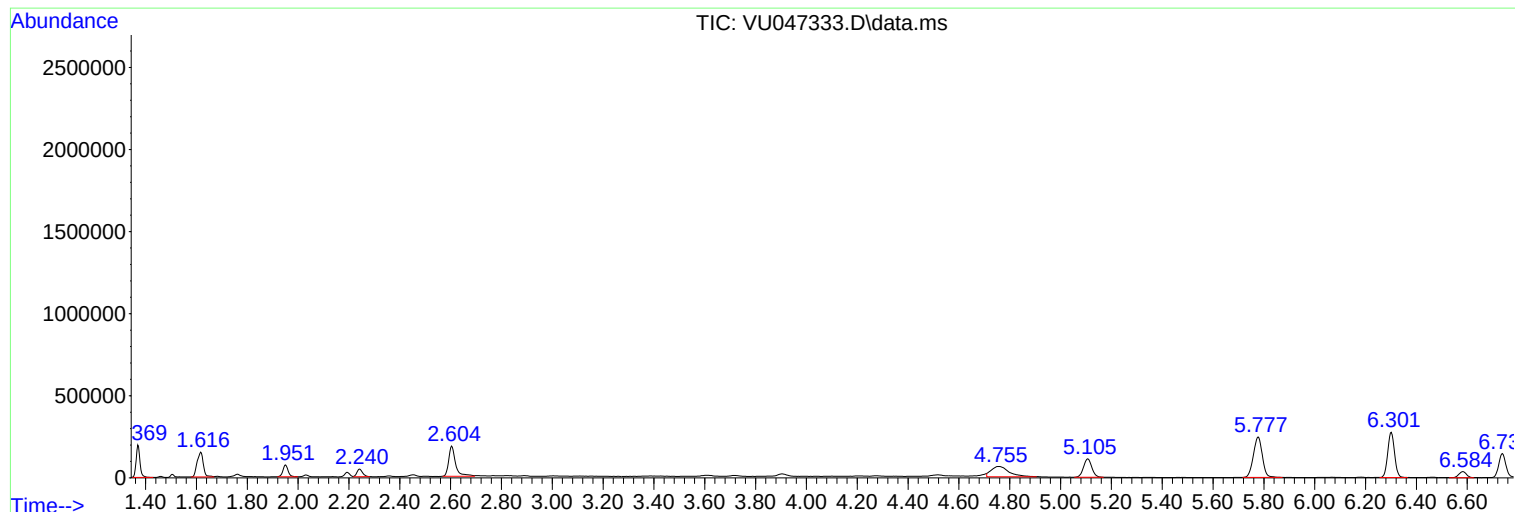
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MSVOA\_U  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030422WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

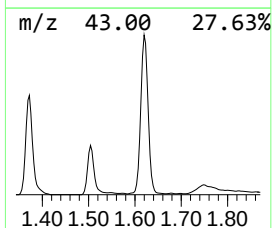
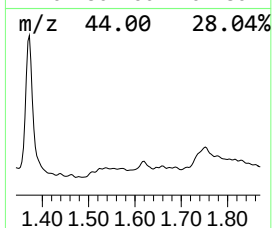
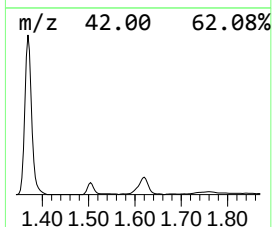
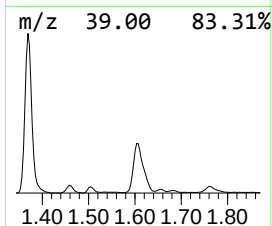
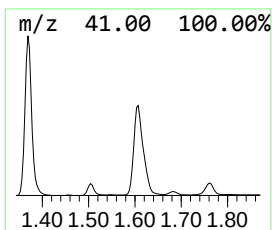
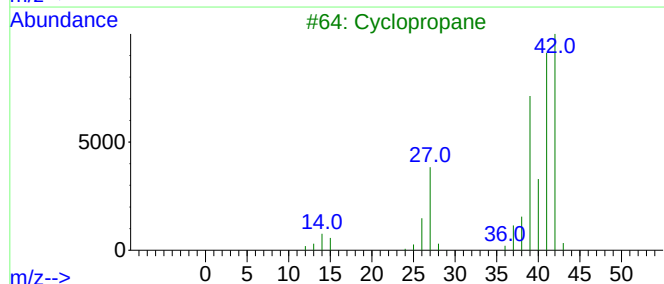
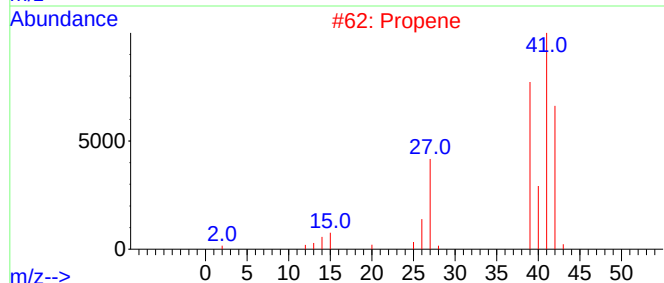
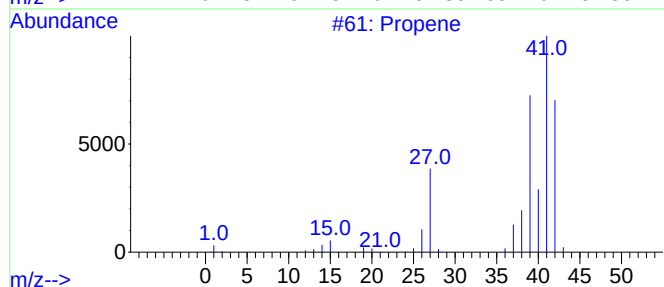
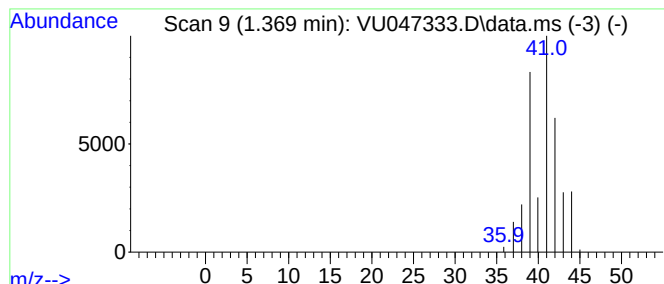
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.369 | 2.03 ug/L | 207213 | 1,4-Difluorobenzene | 6.301 |

| 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 | 9    |
| 4    |      | Cyclopropene | 40 | C3H4    | 002781-85-3 | 9    |
| 5    |      | Cyclopropane | 42 | C3H6    | 000075-19-4 | 7    |



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Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030422WMA.M  
Quant Title : TRACE VOA SFAM1.0

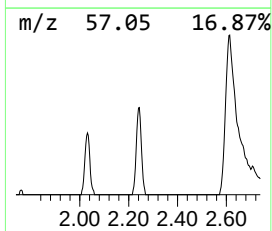
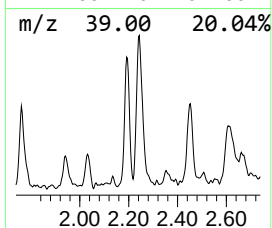
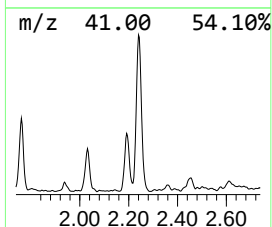
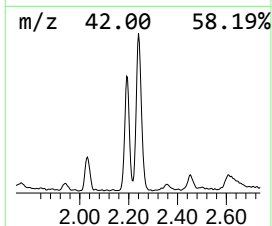
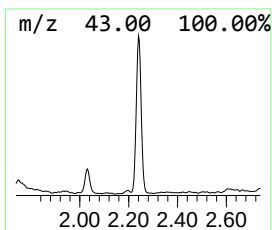
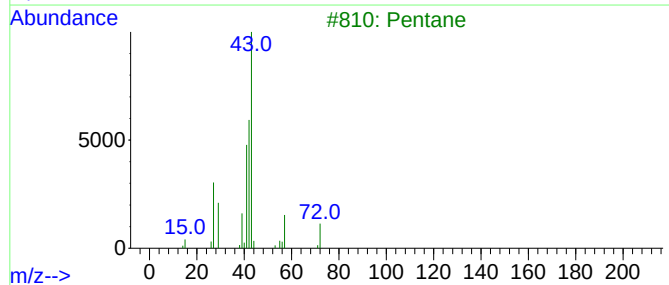
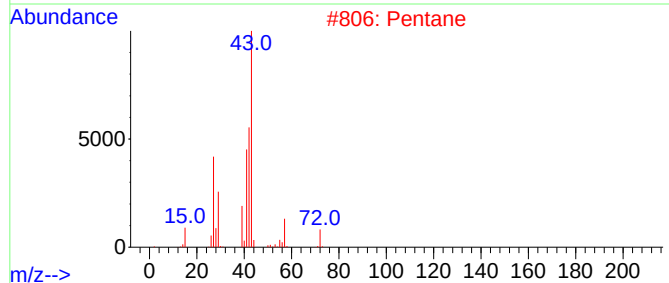
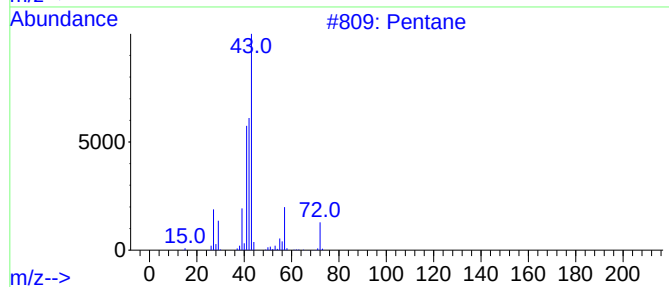
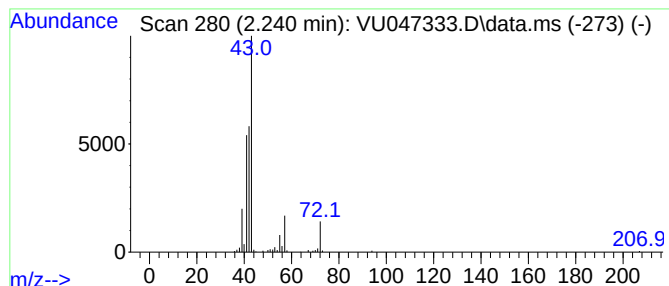
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.240 | 0.69 ug/L | 70613 | 1,4-Difluorobenzene | 6.301 |

| Hit# | of      | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|---|--------------|----|---------|-------------|------|
| 1    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 90   |
| 2    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 80   |
| 3    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 80   |
| 4    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 80   |
| 5    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 80   |



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Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

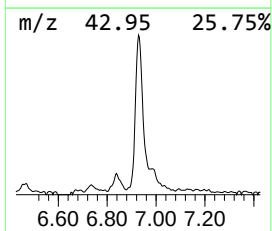
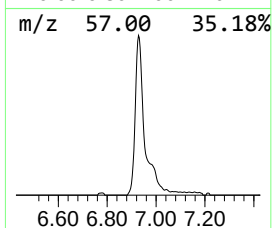
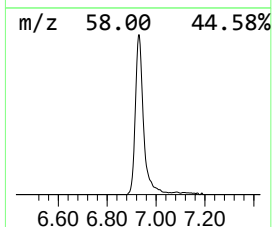
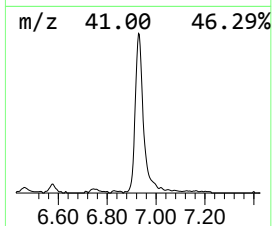
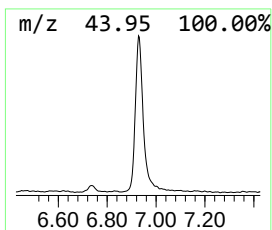
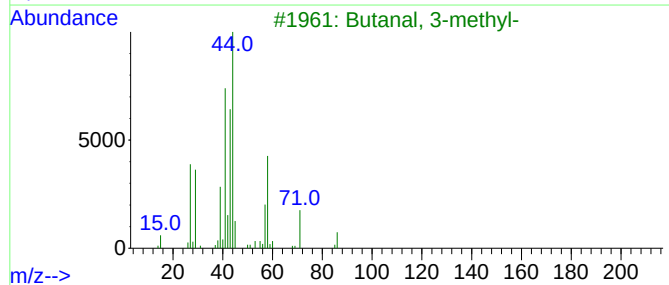
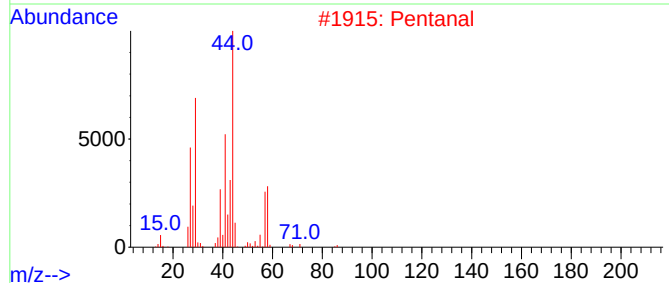
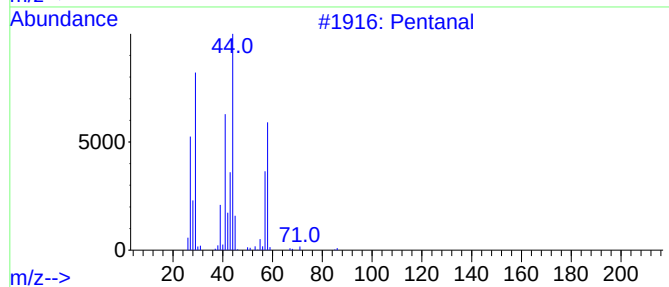
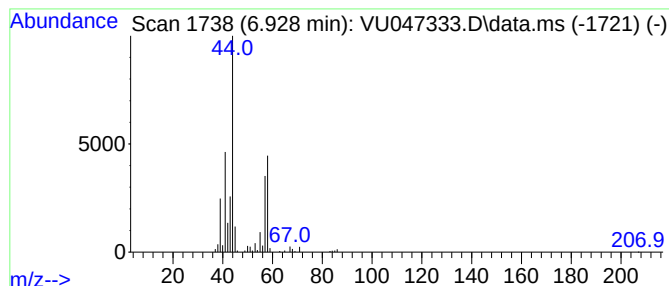
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030422WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 3 Pentanal Concentration Rank 6

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 6.928 | 2.29 ug/L | 233173 | 1,4-Difluorobenzene | 6.301 |

| Hit# | of                 | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|--------------------|---|--------------|----|---------|-------------|------|
| 1    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 86   |
| 2    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 86   |
| 3    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 83   |
| 4    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 83   |
| 5    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 74   |



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ALS Vial : 13 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :  
BFY13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030422WMA.M  
Quant Title : TRACE VOA SFAM1.0

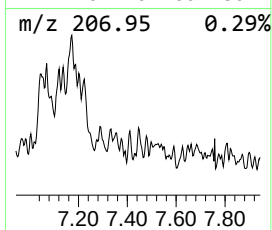
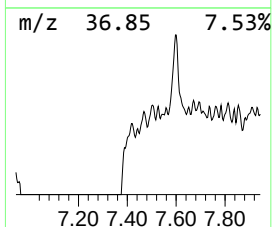
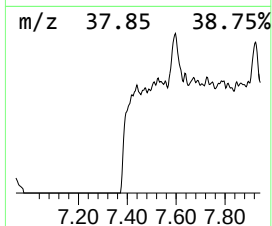
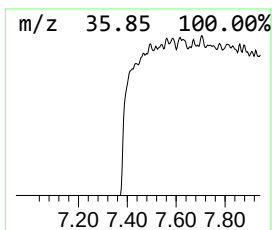
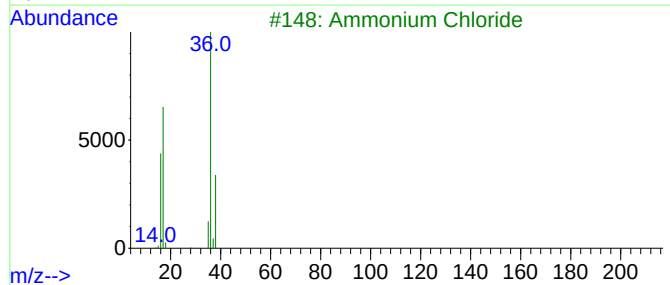
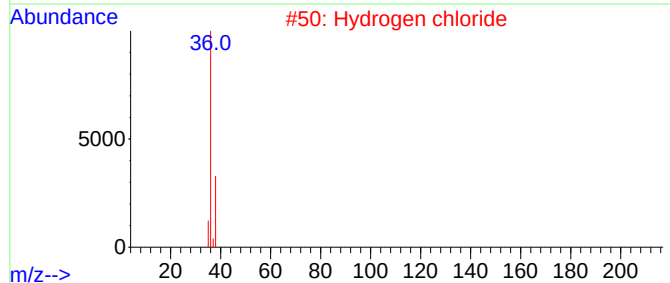
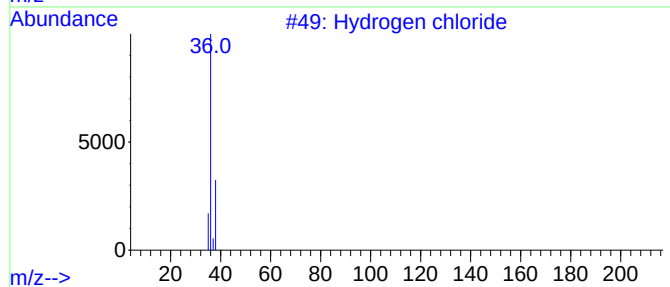
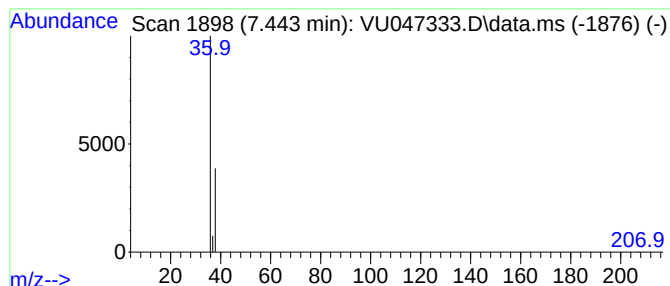
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown-01 Concentration Rank 15

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 7.443 | 0.50 ug/L | 51072 | 1,4-Difluorobenzene | 6.301 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Hydrogen chloride                   | 36  | ClH        | 007647-01-0 | 9    |
| 2    |    |   | Hydrogen chloride                   | 36  | ClH        | 007647-01-0 | 9    |
| 3    |    |   | Ammonium Chloride                   | 53  | ClH4N      | 012125-02-9 | 4    |
| 4    |    |   | Methanol-D4                         | 36  | CD4O       | 000811-98-3 | 2    |
| 5    |    |   | 2,4(1H,3H)-Pyrimidinedione, 6-ch... | 191 | C4H2ClN3O4 | 006630-30-4 | 2    |



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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030422WMA.M  
Quant Title : TRACE VOA SFAM1.0

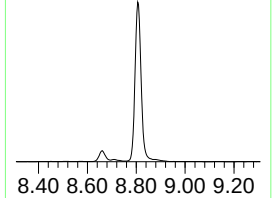
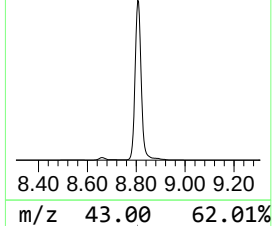
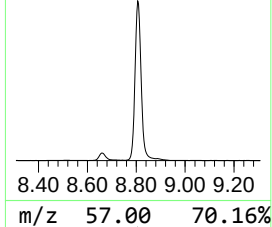
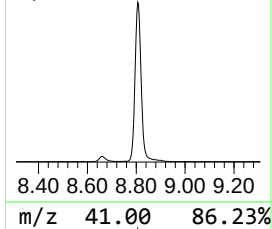
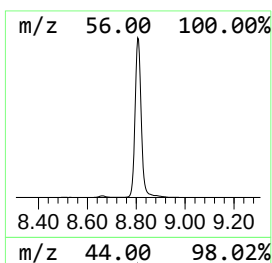
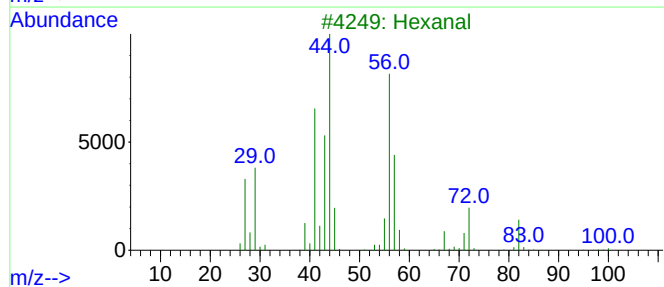
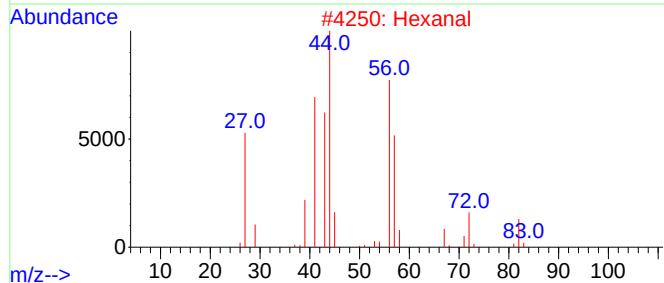
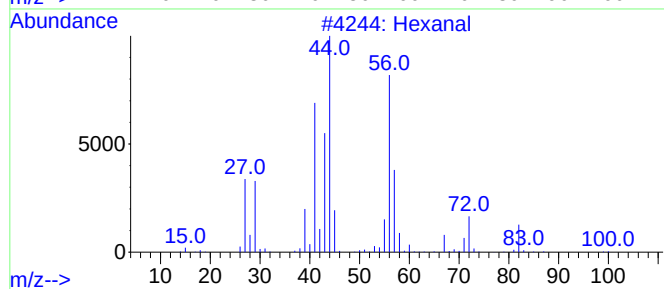
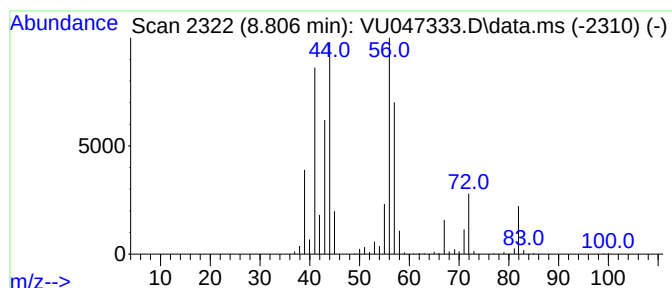
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Hexanal Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 8.806 | 21.32 ug/L | 2647270 | Chlorobenzene-d5 | 9.430 |

| Hit# | of             | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal        |   |              | 100 | C6H12O  | 000066-25-1 | 87   |
| 2    | Hexanal        |   |              | 100 | C6H12O  | 000066-25-1 | 80   |
| 3    | Hexanal        |   |              | 100 | C6H12O  | 000066-25-1 | 74   |
| 4    | Hexanal        |   |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 5    | Glutaraldehyde |   |              | 100 | C5H8O2  | 000111-30-8 | 38   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

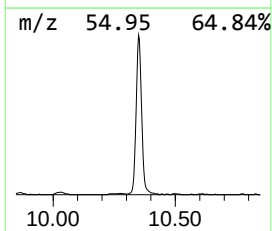
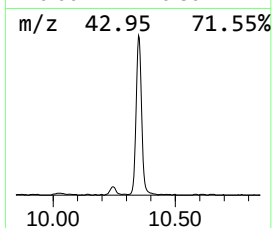
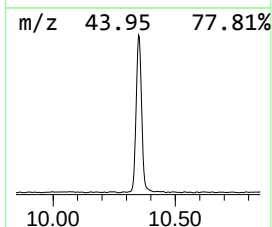
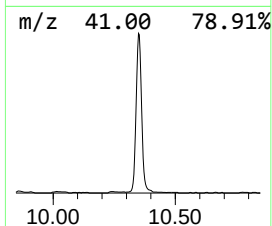
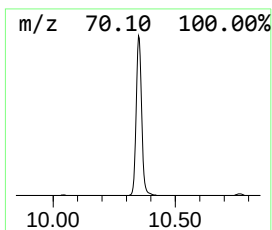
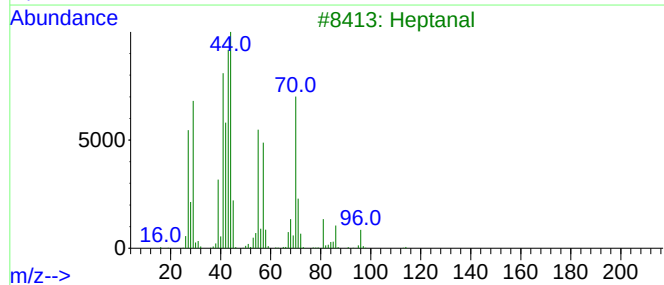
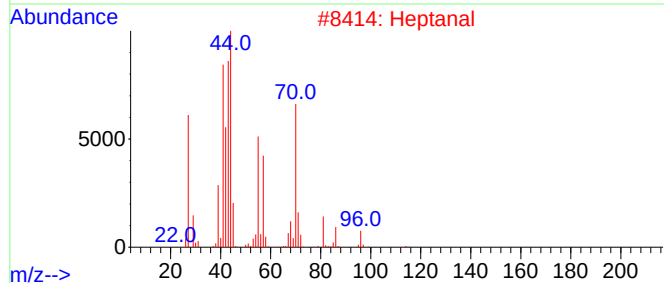
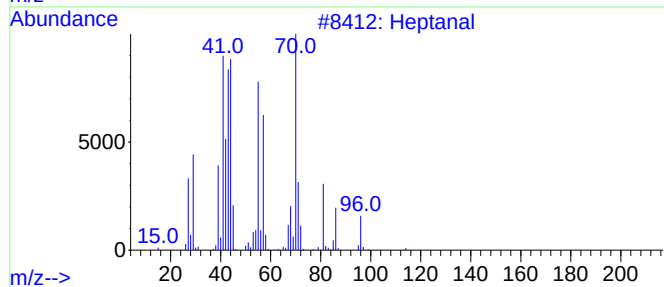
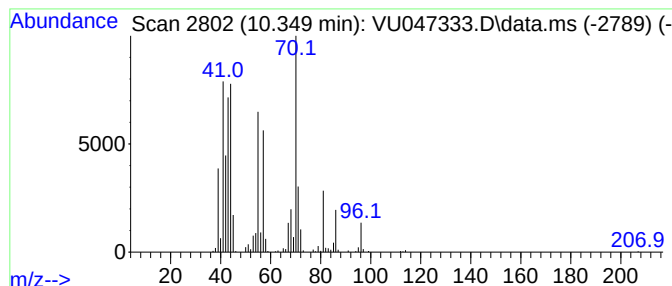
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 7 Heptanal Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.  |
|--------|-----------|--------|------------------|-------|
| 10.349 | 3.84 ug/L | 476626 | Chlorobenzene-d5 | 9.430 |

| Hit# | of       | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------|---|--------------|-----|---------|-------------|------|
| 1    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 98   |
| 2    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 94   |
| 3    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 94   |
| 4    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 52   |
| 5    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

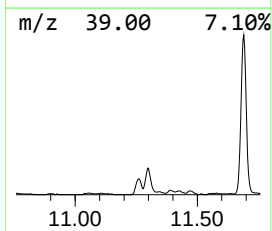
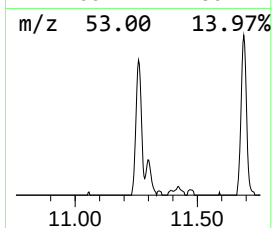
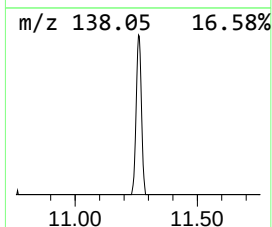
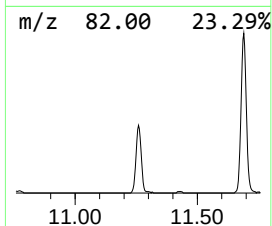
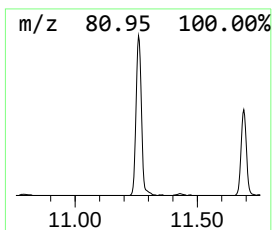
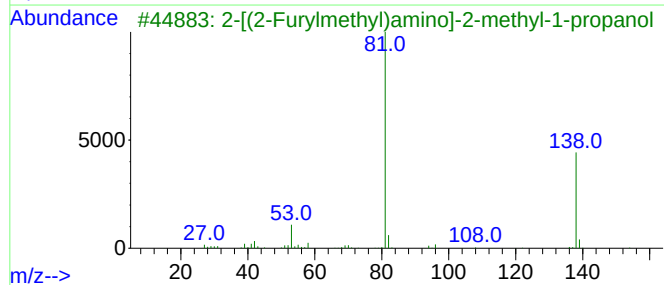
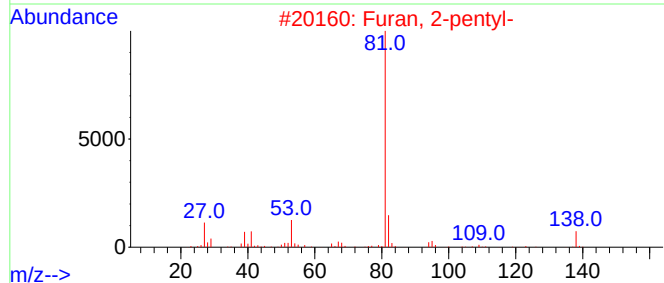
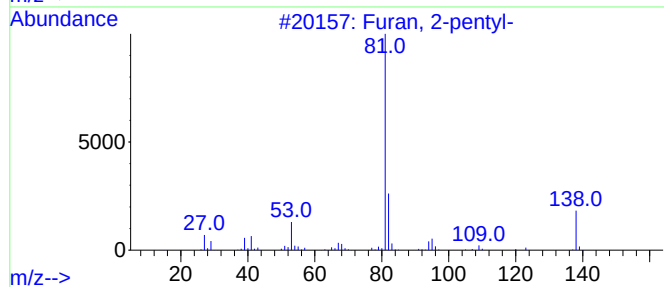
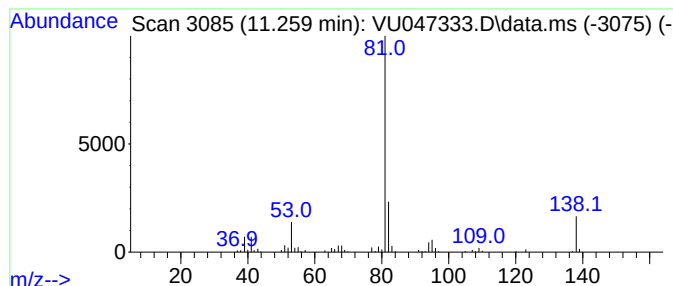
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 8 Furan, 2-pentyl- Concentration Rank 11

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.259 | 0.84 ug/L | 116257 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Furan, 2-pentyl-                    | 138 | C9H14O   | 003777-69-3 | 91   |
| 2    |    |   | Furan, 2-pentyl-                    | 138 | C9H14O   | 003777-69-3 | 72   |
| 3    |    |   | 2-[(2-Furylmethyl)amino]-2-methy... | 169 | C9H15NO2 | 889949-94-4 | 59   |
| 4    |    |   | Cyclohexene,3-butyl-                | 138 | C10H18   | 003983-07-1 | 56   |
| 5    |    |   | 2-n-Butyl furan                     | 124 | C8H12O   | 004466-24-4 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

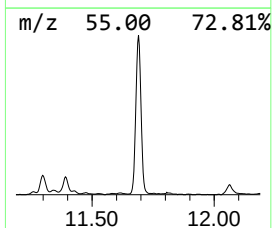
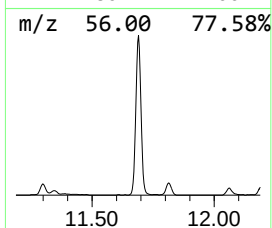
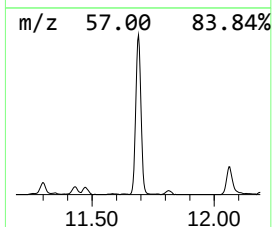
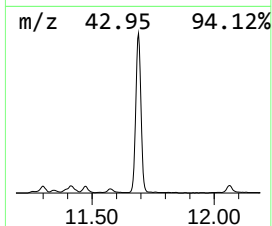
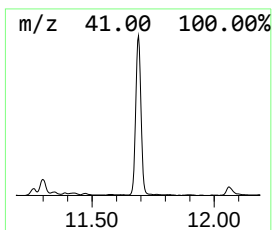
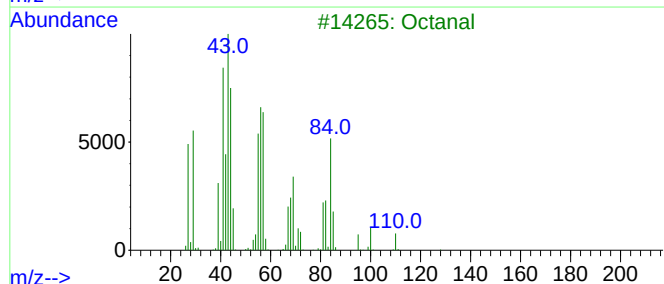
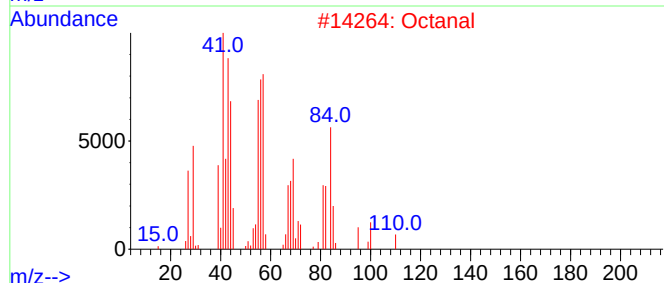
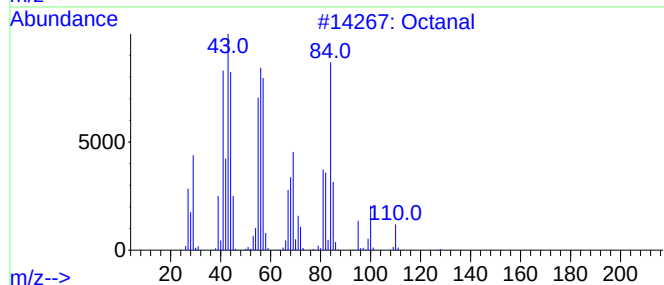
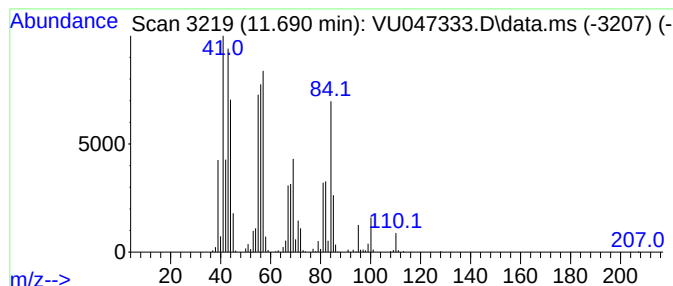
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 9 Octanal Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.690 | 6.04 ug/L | 834788 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 98   |
| 2    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 91   |
| 3    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 90   |
| 4    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 86   |
| 5    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

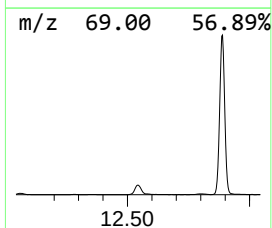
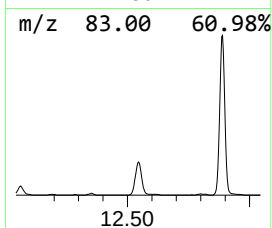
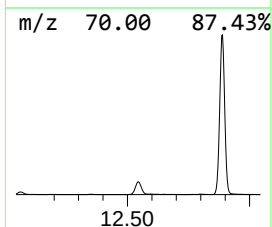
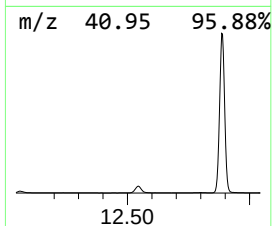
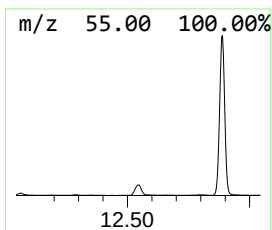
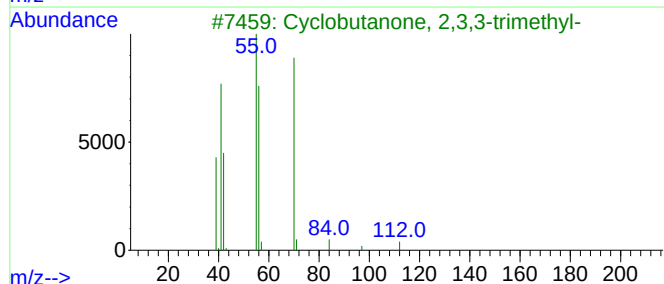
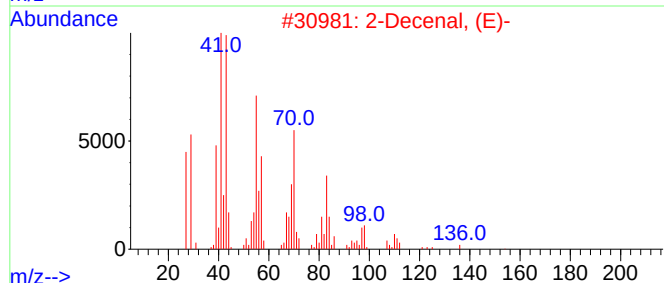
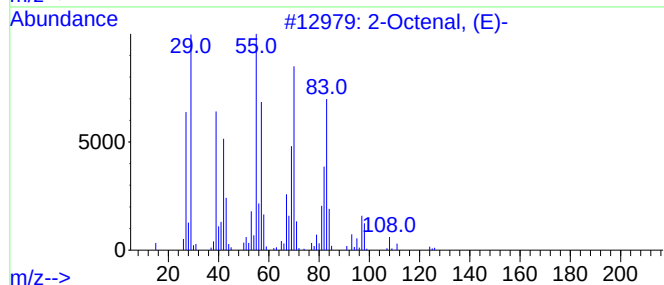
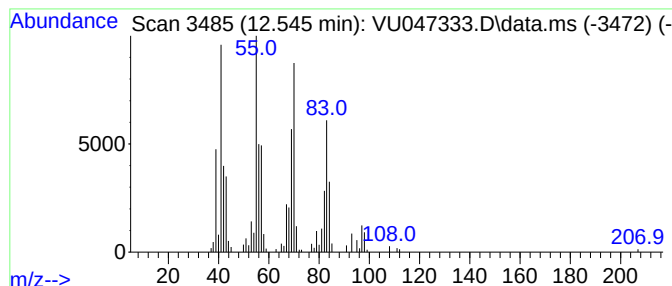
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 10 2-Octenal, (E)- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.545 | 1.37 ug/L | 190083 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Octenal, (E)-                     | 126 | C8H14O  | 002548-87-0 | 64   |
| 2    |    |   | 2-Decenal, (E)-                     | 154 | C10H18O | 003913-81-3 | 58   |
| 3    |    |   | Cyclobutanone, 2,3,3-trimethyl-     | 112 | C7H12O  | 028290-01-9 | 43   |
| 4    |    |   | Cyclopentane, 1,3-dimethyl-         | 98  | C7H14   | 002453-00-1 | 43   |
| 5    |    |   | Cyclopropane, 1,2-dimethyl-, trans- | 70  | C5H10   | 002402-06-4 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

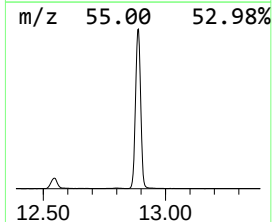
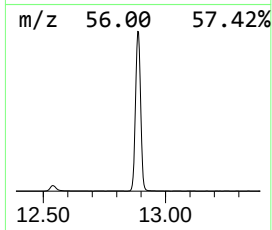
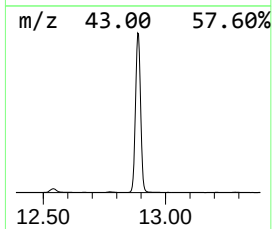
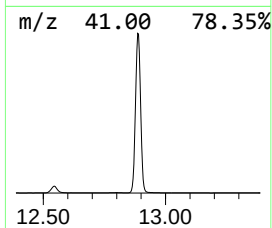
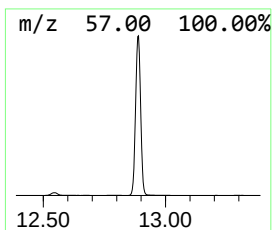
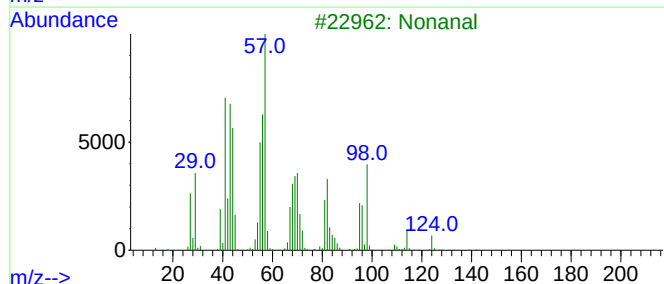
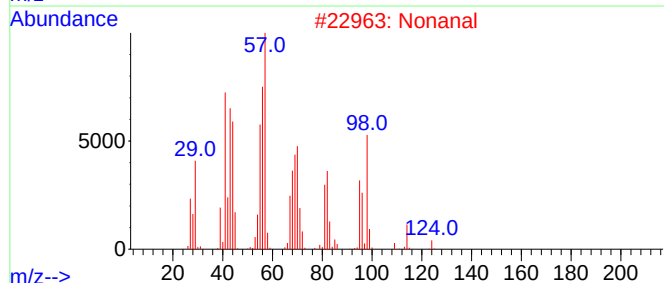
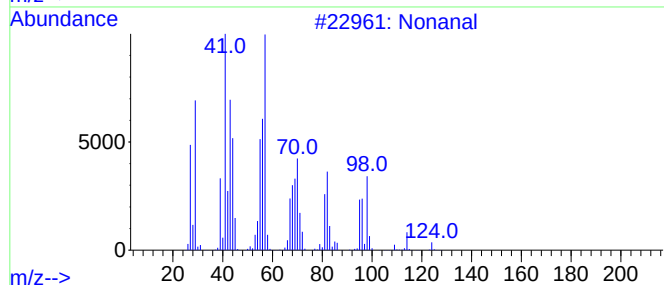
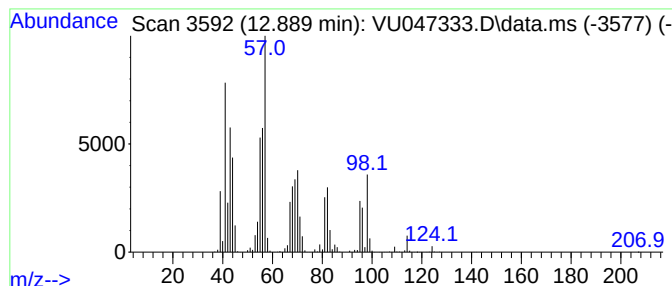
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 11 Nonanal Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.889 | 28.28 ug/L | 3910220 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonanal                         | 142 | C9H18O  | 000124-19-6 | 91   |
| 2    |    |   | Nonanal                         | 142 | C9H18O  | 000124-19-6 | 91   |
| 3    |    |   | Nonanal                         | 142 | C9H18O  | 000124-19-6 | 91   |
| 4    |    |   | Nonanal                         | 142 | C9H18O  | 000124-19-6 | 83   |
| 5    |    |   | Cyclohexanol, 2-methyl-, trans- | 114 | C7H14O  | 007443-52-9 | 22   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

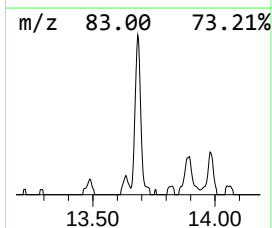
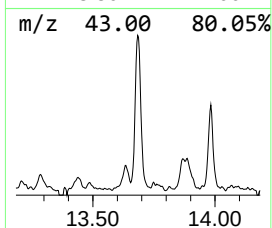
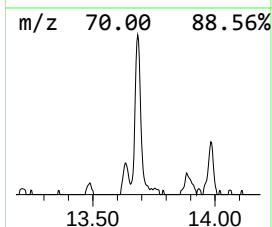
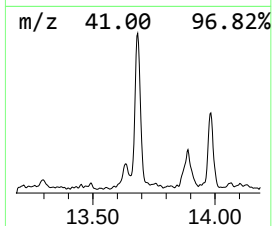
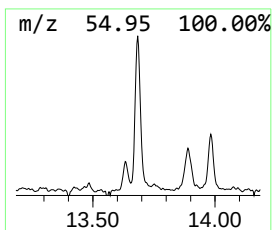
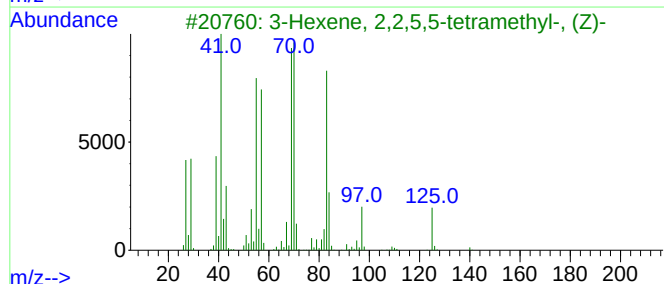
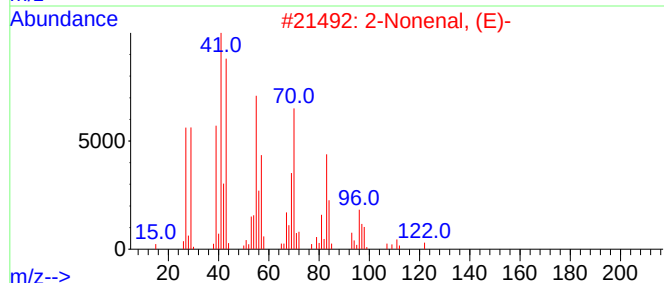
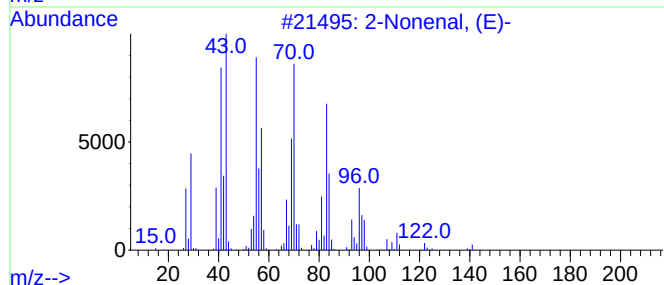
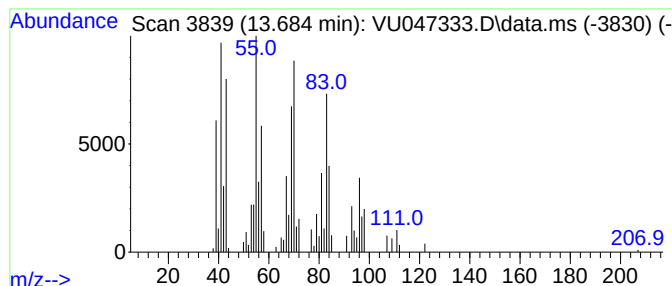
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 12 2-Nonenal, (E)- Concentration Rank 13

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.684 | 0.59 ug/L | 81172 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Nonenal, (E)-                     | 140 | C9H16O  | 018829-56-6 | 80   |
| 2    |    |   | 2-Nonenal, (E)-                     | 140 | C9H16O  | 018829-56-6 | 72   |
| 3    |    |   | 3-Hexene, 2,2,5,5-tetramethyl-, ... | 140 | C10H20  | 000692-47-7 | 47   |
| 4    |    |   | 2-Decenal, (Z)-                     | 154 | C10H18O | 002497-25-8 | 43   |
| 5    |    |   | 2-Hexenal, (E)-                     | 98  | C6H10O  | 006728-26-3 | 41   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

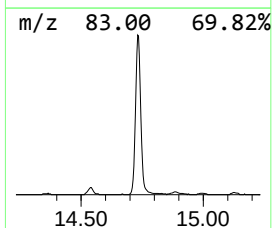
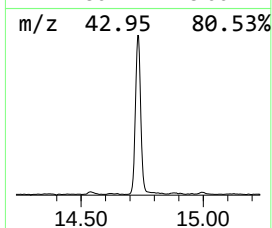
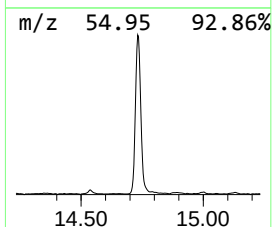
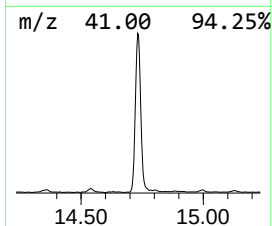
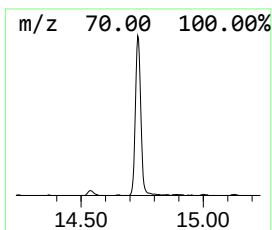
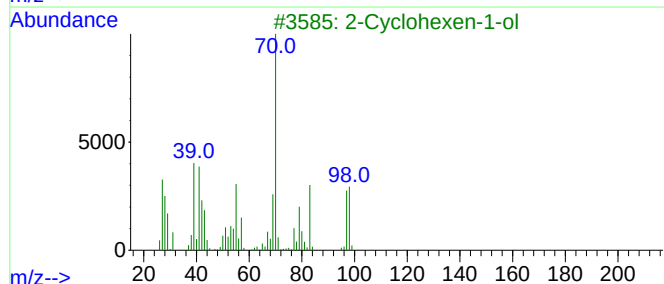
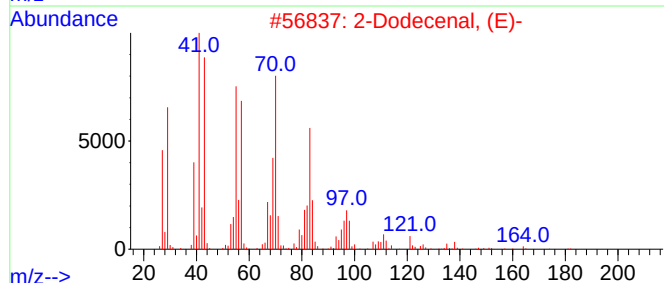
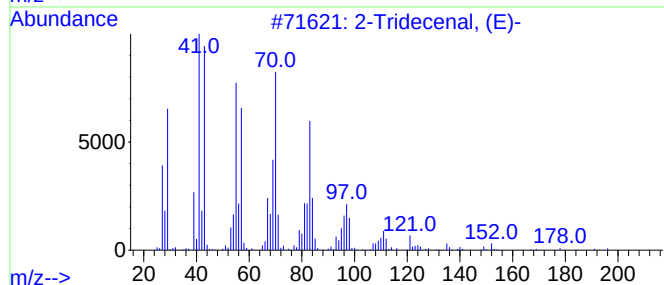
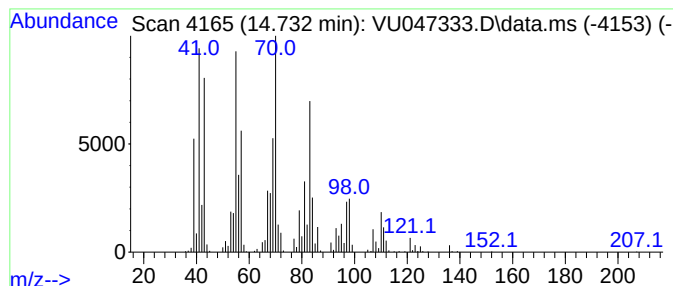
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 13 2-Tridecenal, (E)- Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.732 | 3.94 ug/L | 544223 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 2-Tridecenal, (E)-                  | 196 | C13H24O    | 007069-41-2 | 59   |
| 2    |    |   | 2-Dodecenal, (E)-                   | 182 | C12H22O    | 020407-84-5 | 59   |
| 3    |    |   | 2-Cyclohexen-1-ol                   | 98  | C6H10O     | 000822-67-3 | 49   |
| 4    |    |   | 2-Ethyl-1-hexanol, pentafluoropr... | 276 | C11H17F5O2 | 959012-82-9 | 47   |
| 5    |    |   | Cyclopentane, 1,1,3,3-tetramethyl-  | 126 | C9H18      | 050876-33-0 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

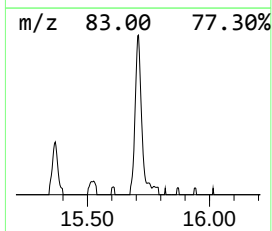
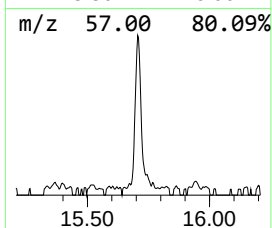
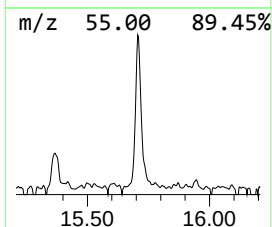
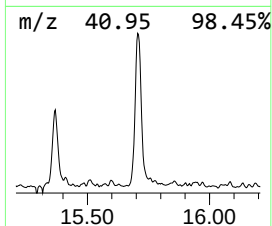
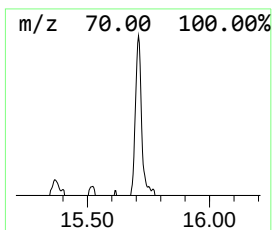
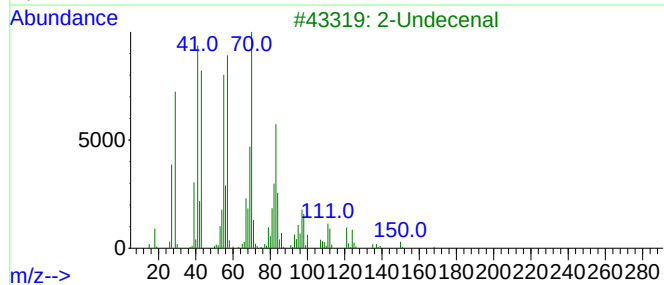
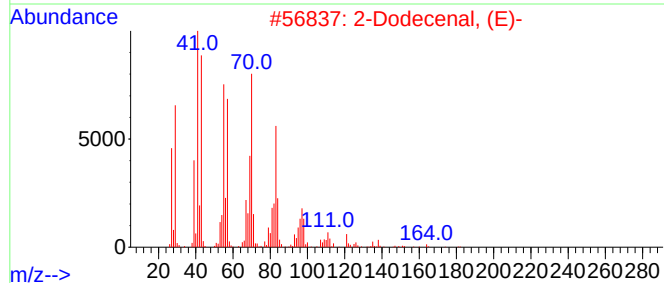
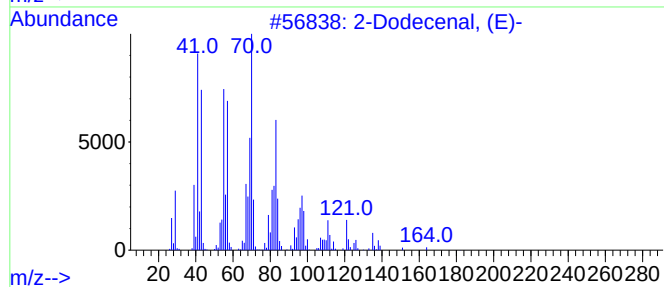
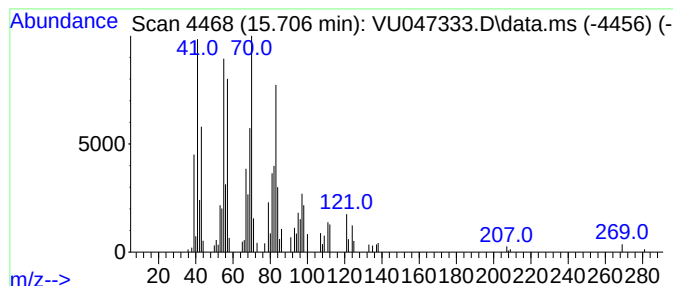
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 14 2-Dodecenal, (E)- Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.706 | 0.52 ug/L | 72031 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Dodecenal, (E)- | 182 | C12H22O | 020407-84-5 | 86   |
| 2    |    |   | 2-Dodecenal, (E)- | 182 | C12H22O | 020407-84-5 | 58   |
| 3    |    |   | 2-Undecenal       | 168 | C11H20O | 002463-77-6 | 53   |
| 4    |    |   | n-Nonadecanol-1   | 284 | C19H40O | 001454-84-8 | 49   |
| 5    |    |   | Behenic alcohol   | 326 | C22H46O | 000661-19-8 | 46   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
Data File : VU047333.D  
Acq On : 04 Mar 2022 16:44  
Operator : SY/MD  
Sample : N1773-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFY13

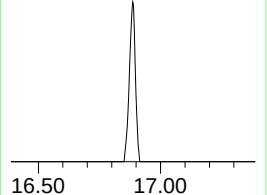
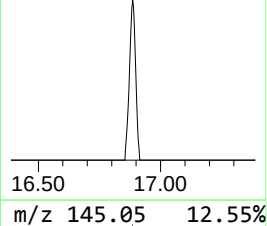
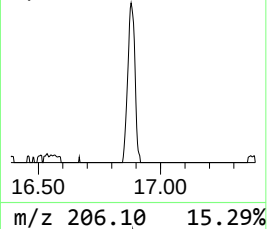
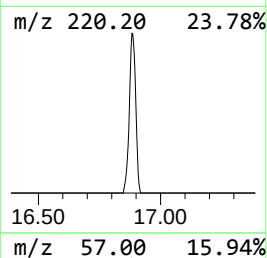
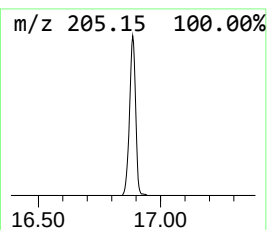
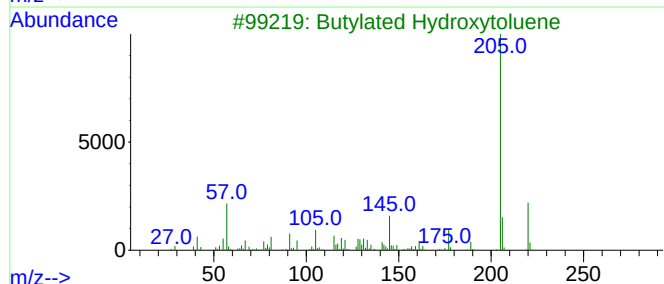
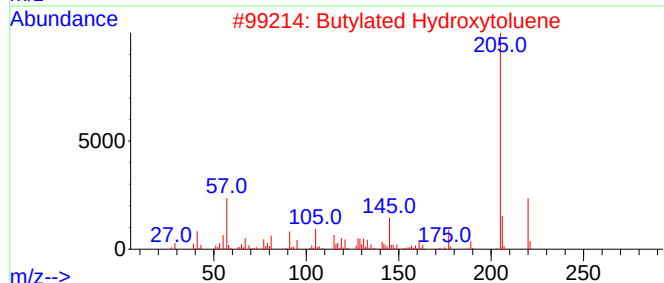
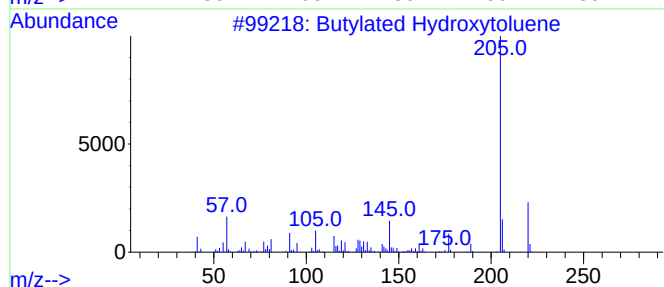
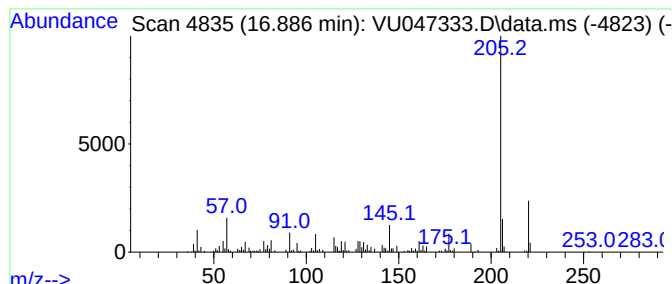
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030422WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 15 Butylated Hydroxytoluene Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.886 | 0.87 ug/L | 120697 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------|-----|----------|--------------|------|
| 1    |    |   | Butylated Hydroxytoluene       | 220 | C15H24O  | 000128-37-0  | 99   |
| 2    |    |   | Butylated Hydroxytoluene       | 220 | C15H24O  | 000128-37-0  | 98   |
| 3    |    |   | Butylated Hydroxytoluene       | 220 | C15H24O  | 000128-37-0  | 97   |
| 4    |    |   | Butylated Hydroxytoluene       | 220 | C15H24O  | 000128-37-0  | 96   |
| 5    |    |   | Ethyl 4-oxo-2-phenylpentanoate | 220 | C13H16O3 | 1000427-11-2 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030422\  
 Data File : VU047333.D  
 Acq On : 04 Mar 2022 16:44  
 Operator : SY/MD  
 Sample : N1773-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFY13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030422WMA.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... | 1.369  | 2.0     | ug/L  | 207213   | 1                     | 6.301  | 509459 | 5.0  |
| (DEL) Alkane: S... | 2.240  | 0.7     | ug/L  | 70613    | 1                     | 6.301  | 509459 | 5.0  |
| Pentanal           | 6.928  | 2.3     | ug/L  | 233173   | 1                     | 6.301  | 509459 | 5.0  |
| unknown-01         | 7.443  | 0.5     | ug/L  | 51072    | 1                     | 6.301  | 509459 | 5.0  |
| Hexanal            | 8.806  | 21.3    | ug/L  | 2647270  | 2                     | 9.430  | 620914 | 5.0  |
| Heptanal           | 10.349 | 3.8     | ug/L  | 476626   | 2                     | 9.430  | 620914 | 5.0  |
| Furan, 2-pentyl-   | 11.259 | 0.8     | ug/L  | 116257   | 3                     | 11.815 | 691311 | 5.0  |
| Octanal            | 11.690 | 6.0     | ug/L  | 834788   | 3                     | 11.815 | 691311 | 5.0  |
| 2-Octenal, (E)-    | 12.545 | 1.4     | ug/L  | 190083   | 3                     | 11.815 | 691311 | 5.0  |
| Nonanal            | 12.889 | 28.3    | ug/L  | 3910220  | 3                     | 11.815 | 691311 | 5.0  |
| 2-Nonenal, (E)-    | 13.684 | 0.6     | ug/L  | 81172    | 3                     | 11.815 | 691311 | 5.0  |
| 2-Tridecenal, (E)- | 14.732 | 3.9     | ug/L  | 544223   | 3                     | 11.815 | 691311 | 5.0  |
| 2-Dodecenal, (E)-  | 15.706 | 0.5     | ug/L  | 72031    | 3                     | 11.815 | 691311 | 5.0  |
| Butylated Hydro... | 16.886 | 0.9     | ug/L  | 120697   | 3                     | 11.815 | 691311 | 5.0  |