

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100523\  
 Data File : VV032259.D  
 Acq On : 05 Oct 2023 16:34  
 Operator : SY/MD  
 Sample : 04748-04  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EX862

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Signal : TIC: VV032259.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.085       | 9             | 14          | 31           | rVB      | 136380         | 141958        | 34.48%          | 4.306%        |
| 2         | 1.191       | 41            | 47          | 60           | rVB      | 95330          | 83726         | 20.34%          | 2.540%        |
| 3         | 1.278       | 66            | 74          | 85           | rBV      | 133761         | 144822        | 35.18%          | 4.393%        |
| 4         | 1.532       | 146           | 153         | 165          | rVB      | 38805          | 45443         | 11.04%          | 1.378%        |
| 5         | 1.597       | 166           | 173         | 186          | rVB      | 54655          | 68606         | 16.66%          | 2.081%        |
| 6         | 1.767       | 218           | 226         | 240          | rVB      | 35141          | 46699         | 11.34%          | 1.416%        |
| 7         | 2.059       | 306           | 317         | 331          | rBV      | 67696          | 103889        | 25.23%          | 3.151%        |
| 8         | 2.474       | 425           | 446         | 454          | rBV      | 8785           | 21838         | 5.30%           | 0.662%        |
| 9         | 2.516       | 454           | 459         | 469          | rVB3     | 3813           | 5933          | 1.44%           | 0.180%        |
| 10        | 2.703       | 505           | 517         | 529          | rBV6     | 7653           | 17888         | 4.34%           | 0.543%        |
| 11        | 2.969       | 588           | 600         | 611          | rBV4     | 5861           | 12700         | 3.08%           | 0.385%        |
| 12        | 3.117       | 632           | 646         | 660          | rBV2     | 4586           | 9714          | 2.36%           | 0.295%        |
| 13        | 3.674       | 807           | 819         | 833          | rVB4     | 6374           | 14315         | 3.48%           | 0.434%        |
| 14        | 3.799       | 845           | 858         | 890          | rBV2     | 59240          | 183526        | 44.58%          | 5.567%        |
| 15        | 4.256       | 983           | 1000        | 1028         | rBV      | 47472          | 127277        | 30.91%          | 3.861%        |
| 16        | 4.587       | 1088          | 1103        | 1118         | rBV6     | 6735           | 17133         | 4.16%           | 0.520%        |
| 17        | 4.963       | 1204          | 1220        | 1256         | rBV3     | 112515         | 322838        | 78.42%          | 9.792%        |
| 18        | 5.538       | 1388          | 1399        | 1417         | rBV      | 82590          | 175380        | 42.60%          | 5.320%        |
| 19        | 5.834       | 1484          | 1491        | 1504         | rVB4     | 2045           | 4215          | 1.02%           | 0.128%        |
| 20        | 5.995       | 1528          | 1541        | 1554         | rBV      | 66768          | 143635        | 34.89%          | 4.357%        |
| 21        | 6.921       | 1818          | 1829        | 1854         | rBV      | 28753          | 59461         | 14.44%          | 1.804%        |
| 22        | 7.249       | 1919          | 1931        | 1946         | rVV      | 127837         | 230366        | 55.95%          | 6.987%        |
| 23        | 7.326       | 1946          | 1955        | 1970         | rVB      | 23133          | 43547         | 10.58%          | 1.321%        |
| 24        | 7.561       | 2020          | 2028        | 2040         | rBV      | 17421          | 33995         | 8.26%           | 1.031%        |
| 25        | 8.030       | 2164          | 2174        | 2204         | rBV      | 206193         | 411702        | 100.00%         | 12.488%       |
| 26        | 8.789       | 2399          | 2410        | 2433         | rBV      | 134670         | 234988        | 57.08%          | 7.128%        |
| 27        | 8.956       | 2453          | 2462        | 2472         | rBV2     | 6257           | 10058         | 2.44%           | 0.305%        |
| 28        | 9.082       | 2490          | 2501        | 2516         | rBV      | 10624          | 19499         | 4.74%           | 0.591%        |
| 29        | 9.487       | 2619          | 2627        | 2640         | rBV3     | 5545           | 9160          | 2.22%           | 0.278%        |
| 30        | 10.159      | 2824          | 2836        | 2852         | rBV      | 62675          | 100777        | 24.48%          | 3.057%        |
| 31        | 10.860      | 3046          | 3054        | 3064         | rBV2     | 4931           | 6578          | 1.60%           | 0.200%        |
| 32        | 11.191      | 3146          | 3157        | 3178         | rBV      | 141097         | 226536        | 55.02%          | 6.871%        |
| 33        | 11.564      | 3263          | 3273        | 3289         | rVB      | 137159         | 218671        | 53.11%          | 6.633%        |

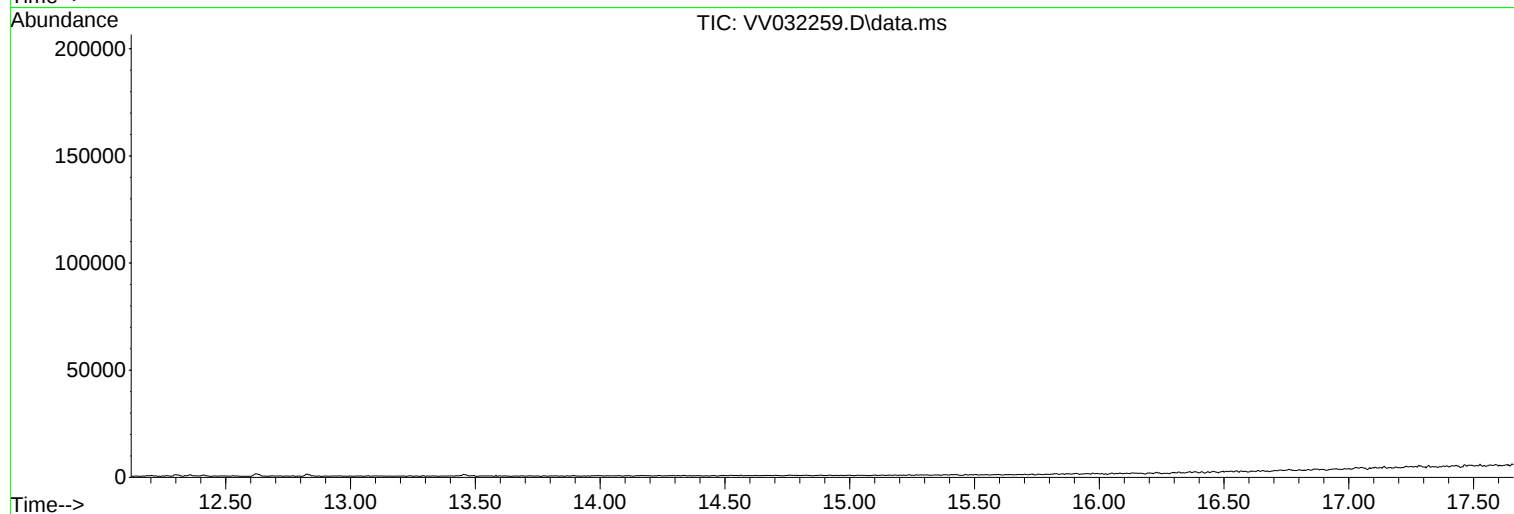
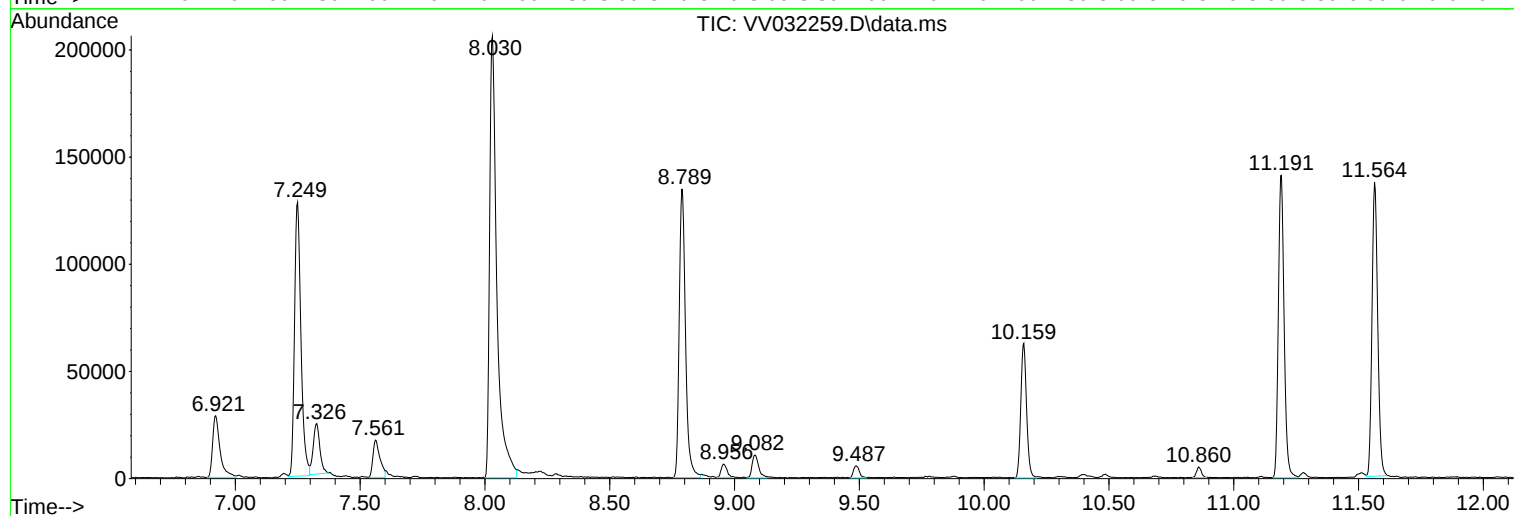
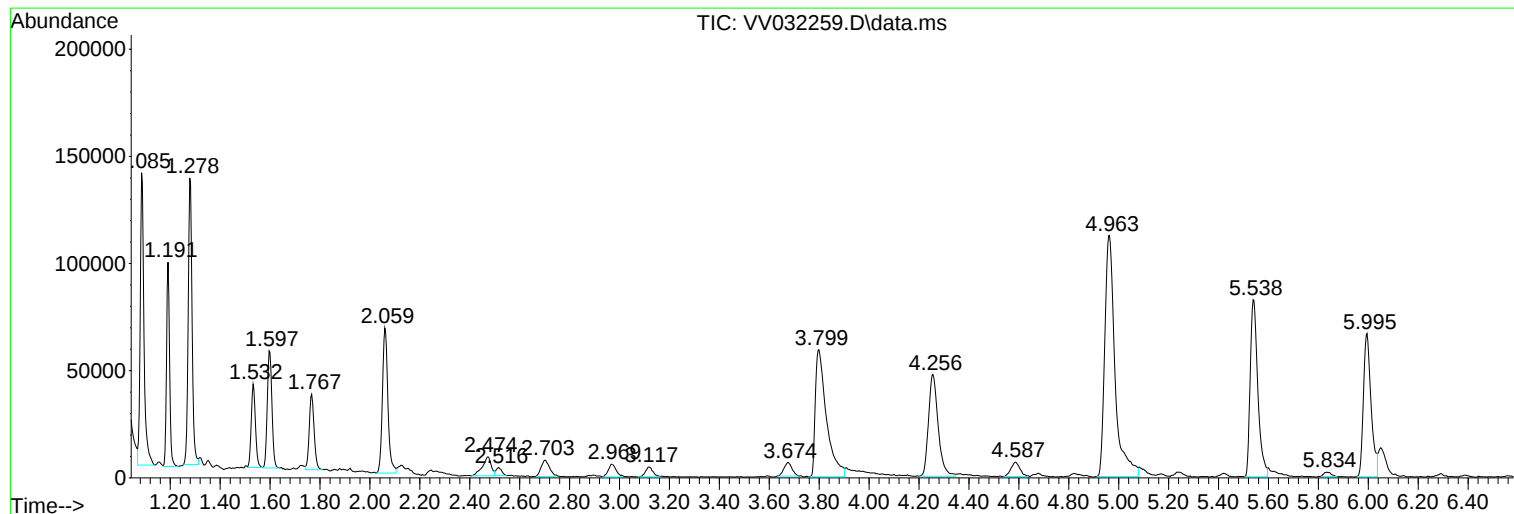
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Sample : 04748-04  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX862

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

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



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Instrument :  
MSVOA\_V  
ClientSampleId :  
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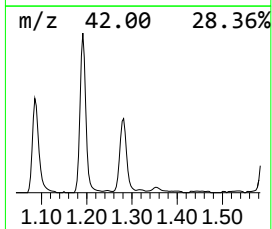
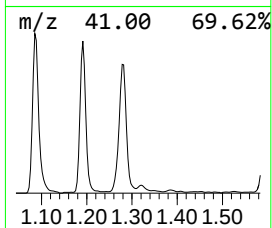
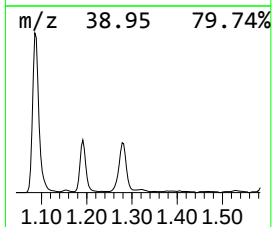
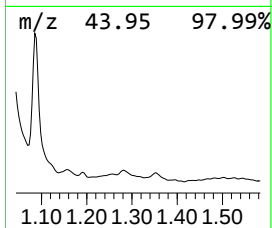
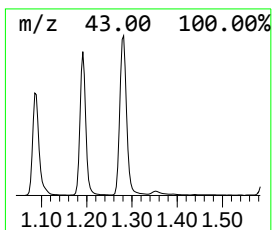
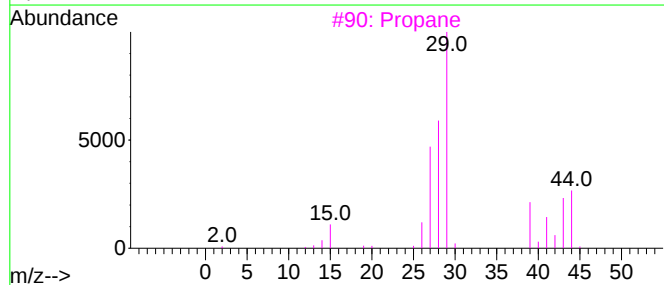
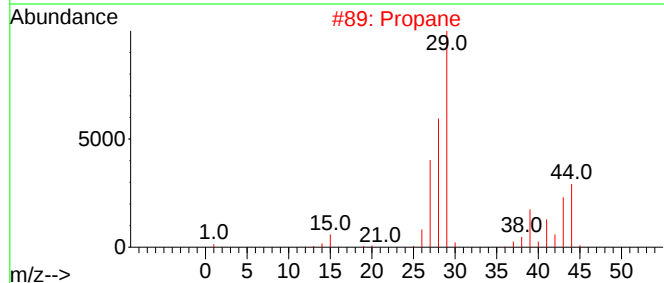
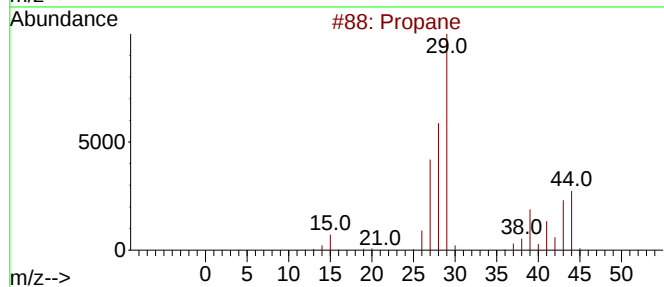
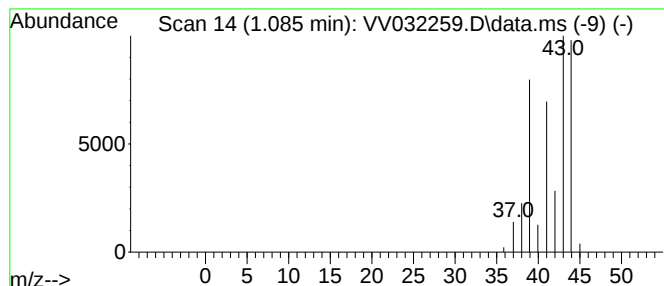
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Quant Title : TRACE VOA SFAM1.0

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

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

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.085 | 4.05 ug/L | 141958 | 1,4-Difluorobenzene | 5.542 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Propane      | 44 | C3H8    | 000074-98-6 | 90   |
| 2    |    |   | Propane      | 44 | C3H8    | 000074-98-6 | 83   |
| 3    |    |   | Propane      | 44 | C3H8    | 000074-98-6 | 9    |
| 4    |    |   | Propene      | 42 | C3H6    | 000115-07-1 | 9    |
| 5    |    |   | Cyclopropene | 40 | C3H4    | 002781-85-3 | 2    |



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX862

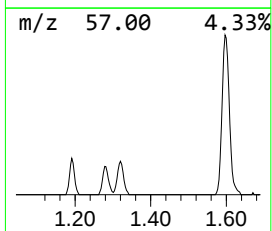
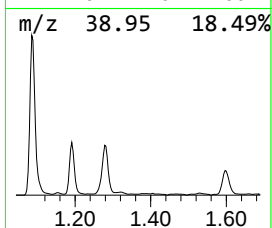
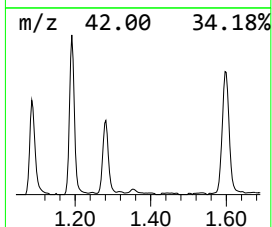
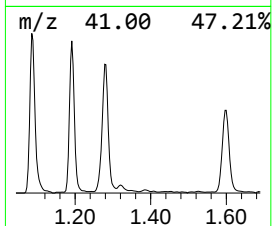
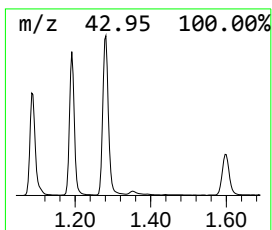
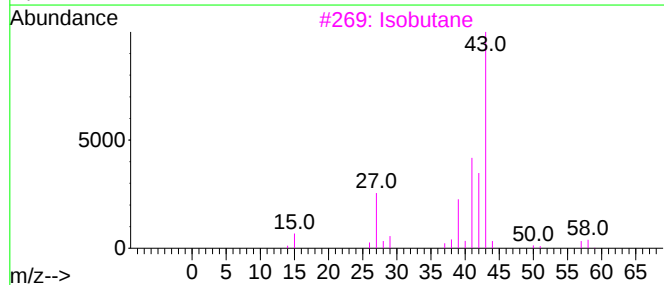
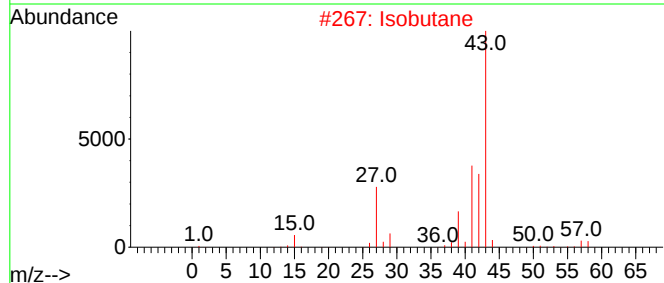
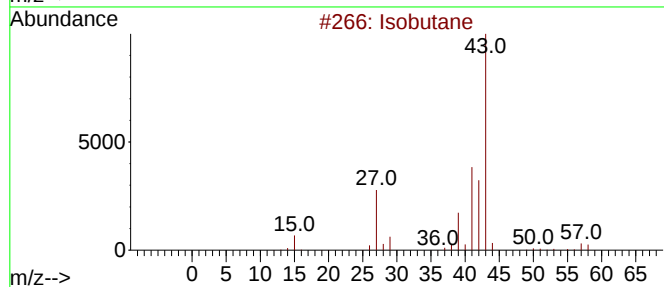
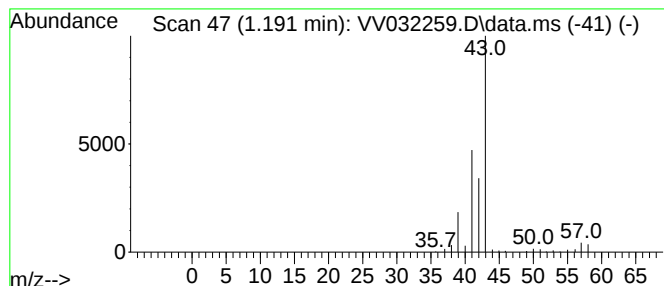
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.191 | 2.39 ug/L | 83726 | 1,4-Difluorobenzene | 5.542 |

| Hit# | of 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|------|--------------|----|---------|-------------|------|
| 1    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 2    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 3    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 4    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 5    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 50   |



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Operator : SY/MD  
Sample : 04748-04  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX862

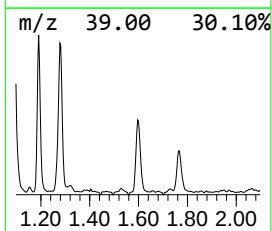
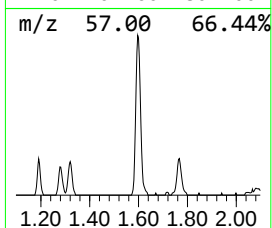
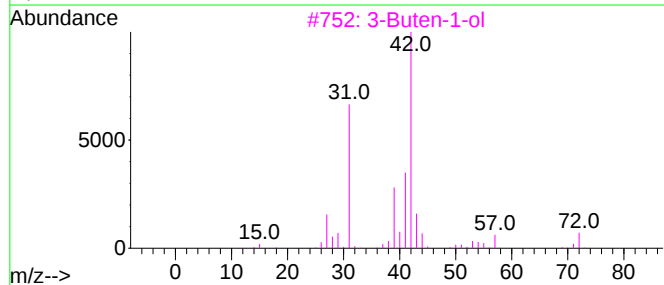
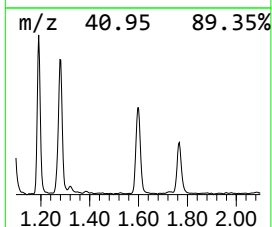
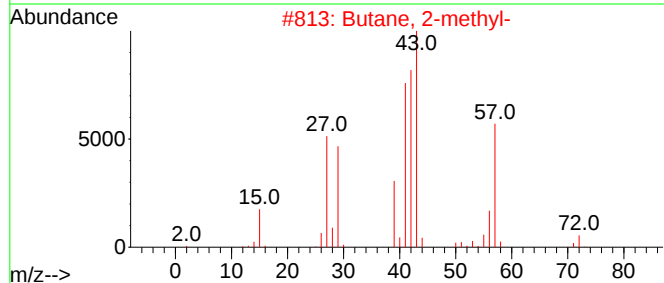
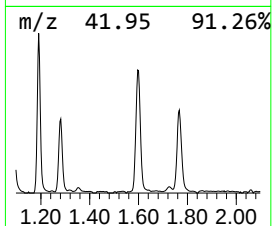
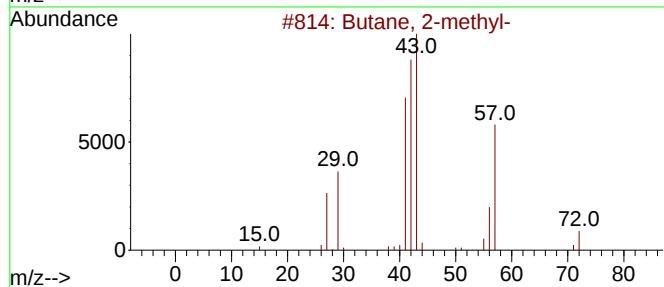
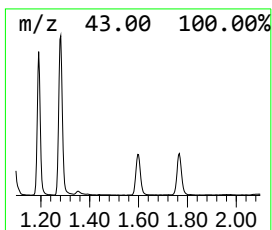
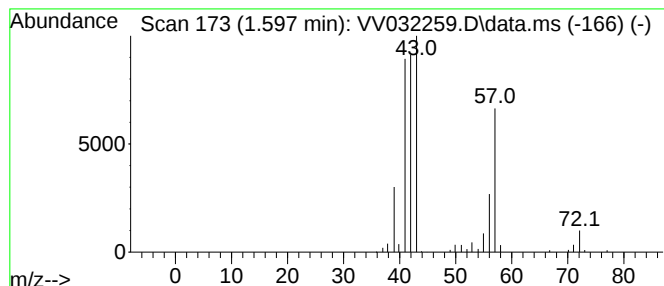
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.597 | 1.96 ug/L | 68606 | 1,4-Difluorobenzene | 5.542 |

| Hit# | of                  | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------------------|---|--------------|----|---------|-------------|------|
| 1    | Butane, 2-methyl-   |   |              | 72 | C5H12   | 000078-78-4 | 90   |
| 2    | Butane, 2-methyl-   |   |              | 72 | C5H12   | 000078-78-4 | 86   |
| 3    | 3-Buten-1-ol        |   |              | 72 | C4H8O   | 000627-27-0 | 47   |
| 4    | Oxirane, trimethyl- |   |              | 86 | C5H10O  | 005076-19-7 | 36   |
| 5    | Pentane             |   |              | 72 | C5H12   | 000109-66-0 | 33   |



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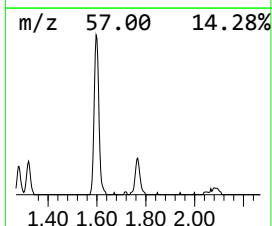
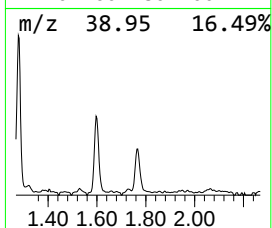
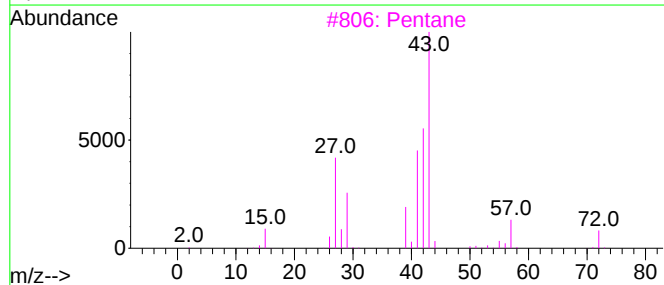
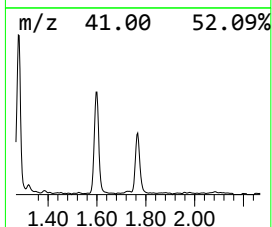
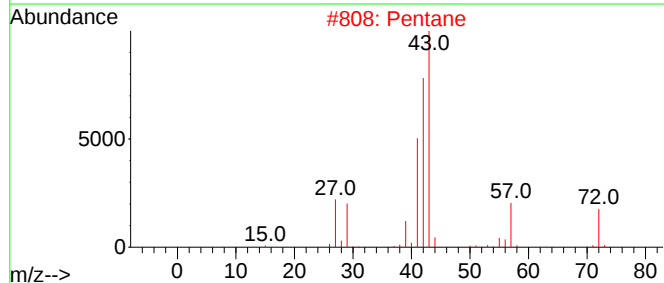
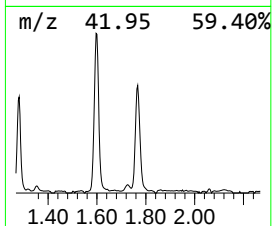
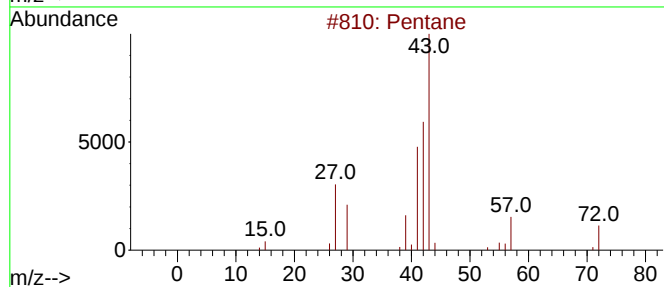
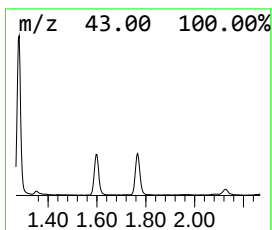
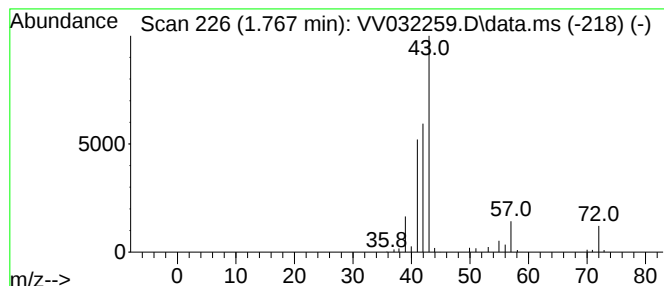
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.767 | 1.33 ug/L | 46699 | 1,4-Difluorobenzene | 5.542 |

| Hit# | of      | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|---|--------------|----|---------|-------------|------|
| 1    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 2    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 3    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 4    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 5    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 83   |



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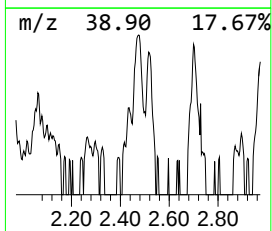
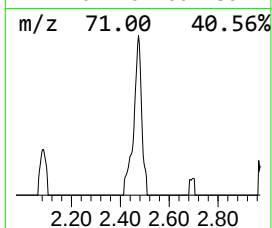
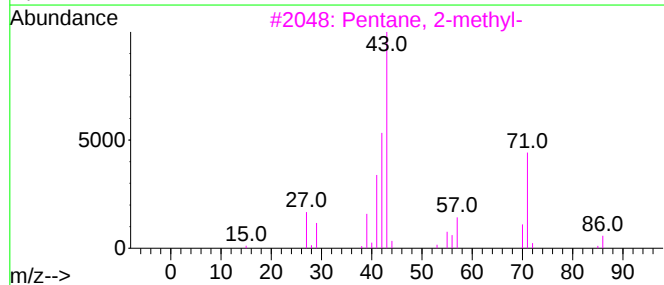
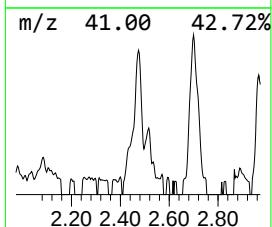
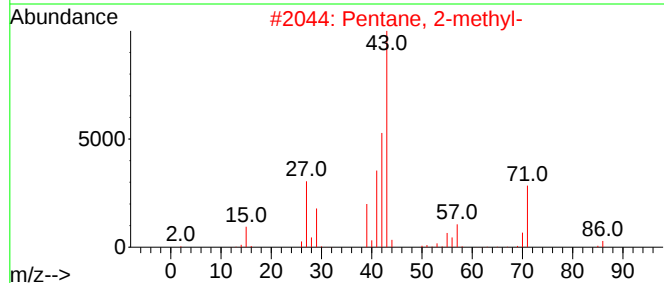
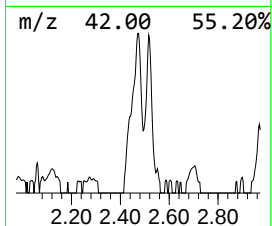
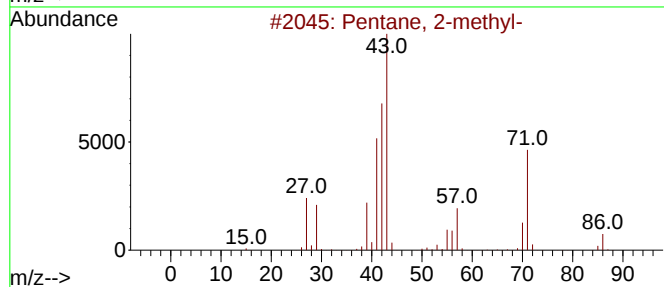
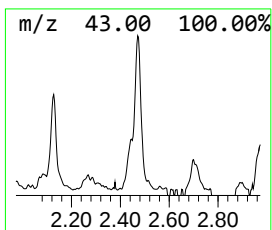
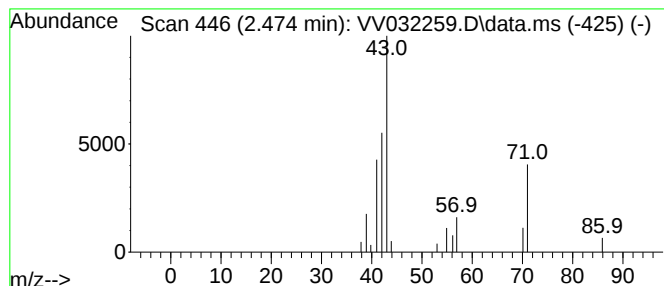
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.474 | 0.62 ug/L | 21838 | 1,4-Difluorobenzene | 5.542 |

| Hit# | of | 5 | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------|----|---------|-------------|------|
| 1    |    |   | Pentane, 2-methyl- | 86 | C6H14   | 000107-83-5 | 91   |
| 2    |    |   | Pentane, 2-methyl- | 86 | C6H14   | 000107-83-5 | 91   |
| 3    |    |   | Pentane, 2-methyl- | 86 | C6H14   | 000107-83-5 | 91   |
| 4    |    |   | Pentane, 2-methyl- | 86 | C6H14   | 000107-83-5 | 90   |
| 5    |    |   | Pentane, 2-methyl- | 86 | C6H14   | 000107-83-5 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100523\  
Data File : VV032259.D  
Acq On : 05 Oct 2023 16:34  
Operator : SY/MD  
Sample : 04748-04  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX862

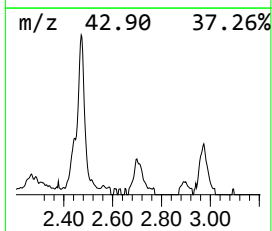
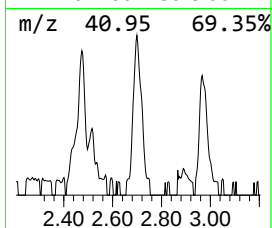
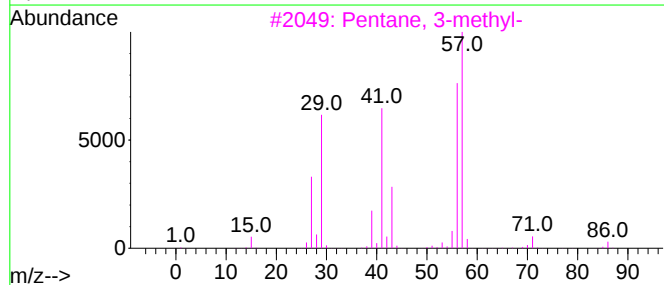
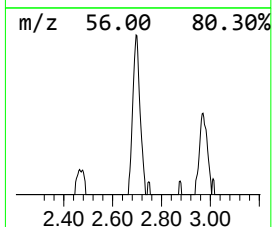
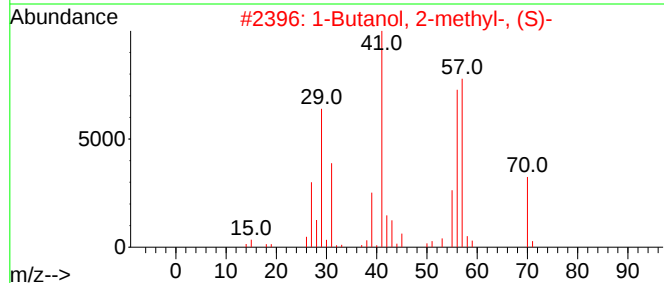
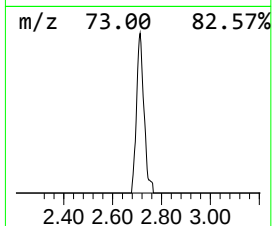
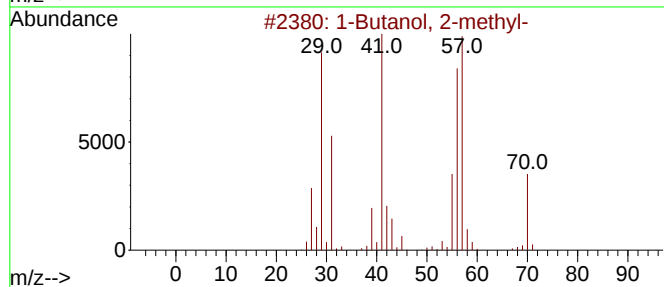
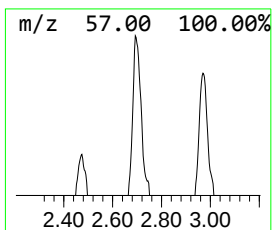
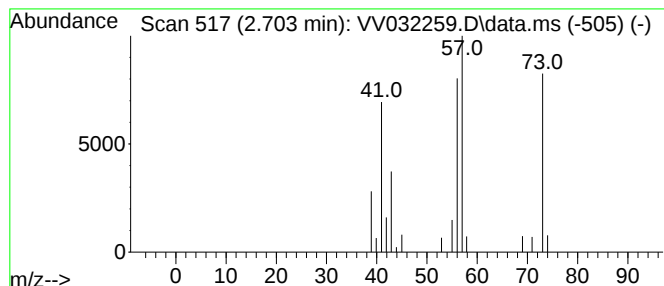
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 6 1-Butanol, 2-methyl- Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.703 | 0.51 ug/L | 17888 | 1,4-Difluorobenzene | 5.542 |

| Hit# | of                               | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 1-Butanol, 2-methyl-             |   |              | 88  | C5H12O  | 000137-32-6 | 59   |
| 2    | 1-Butanol, 2-methyl-, (S)-       |   |              | 88  | C5H12O  | 001565-80-6 | 59   |
| 3    | Pentane, 3-methyl-               |   |              | 86  | C6H14   | 000096-14-0 | 36   |
| 4    | Pentane, 3-methyl-               |   |              | 86  | C6H14   | 000096-14-0 | 36   |
| 5    | Diazene, bis(1,1-dimethylethyl)- |   |              | 142 | C8H18N2 | 000927-83-3 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100523\  
Data File : VV032259.D  
Acq On : 05 Oct 2023 16:34  
Operator : SY/MD  
Sample : 04748-04  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX862

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.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... | 1.085 | 4.0     | ug/L  | 141958   | 1                     | 5.542 | 175380 | 5.0  |
| (DEL) Alkane: S... | 1.191 | 2.4     | ug/L  | 83726    | 1                     | 5.542 | 175380 | 5.0  |
| (DEL) Alkane: S... | 1.597 | 2.0     | ug/L  | 68606    | 1                     | 5.542 | 175380 | 5.0  |
| (DEL) Alkane: S... | 1.767 | 1.3     | ug/L  | 46699    | 1                     | 5.542 | 175380 | 5.0  |
| (DEL) Alkane: S... | 2.474 | 0.6     | ug/L  | 21838    | 1                     | 5.542 | 175380 | 5.0  |
| 1-Butanol, 2-me... | 2.703 | 0.5     | ug/L  | 17888    | 1                     | 5.542 | 175380 | 5.0  |