

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100923\  
 Data File : VV032342.D  
 Acq On : 09 Oct 2023 21:00  
 Operator : SY/MD  
 Sample : 04748-09  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EX885

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: VV032342.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          | 40           | rVB      | 78056          | 111949        | 19.81%          | 2.354%        |
| 2         | 1.192       | 40            | 47          | 61           | rBV      | 58418          | 55477         | 9.82%           | 1.167%        |
| 3         | 1.278       | 66            | 74          | 93           | rVB      | 116919         | 129547        | 22.92%          | 2.724%        |
| 4         | 1.532       | 146           | 153         | 164          | rBV      | 49321          | 57101         | 10.10%          | 1.201%        |
| 5         | 1.597       | 166           | 173         | 185          | rVB      | 41880          | 53359         | 9.44%           | 1.122%        |
| 6         | 1.767       | 218           | 226         | 237          | rVB      | 29533          | 38730         | 6.85%           | 0.814%        |
| 7         | 2.060       | 307           | 317         | 332          | rBV      | 88780          | 131929        | 23.35%          | 2.774%        |
| 8         | 2.169       | 345           | 351         | 362          | rVB3     | 6268           | 12352         | 2.19%           | 0.260%        |
| 9         | 2.471       | 426           | 445         | 454          | rBV3     | 9045           | 21691         | 3.84%           | 0.456%        |
| 10        | 2.700       | 503           | 516         | 534          | rBV      | 42435          | 78011         | 13.80%          | 1.640%        |
| 11        | 2.970       | 583           | 600         | 615          | rBV3     | 8269           | 18482         | 3.27%           | 0.389%        |
| 12        | 3.674       | 802           | 819         | 835          | rBV7     | 5300           | 14359         | 2.54%           | 0.302%        |
| 13        | 3.815       | 849           | 863         | 892          | rBV4     | 58171          | 194262        | 34.38%          | 4.085%        |
| 14        | 4.256       | 983           | 1000        | 1026         | rBV3     | 66104          | 217968        | 38.57%          | 4.583%        |
| 15        | 4.584       | 1090          | 1102        | 1121         | rBV10    | 6248           | 15569         | 2.76%           | 0.327%        |
| 16        | 4.738       | 1131          | 1150        | 1166         | rVV      | 230019         | 565098        | 100.00%         | 11.883%       |
| 17        | 4.822       | 1168          | 1176        | 1200         | rVB3     | 26729          | 71744         | 12.70%          | 1.509%        |
| 18        | 4.960       | 1205          | 1219        | 1239         | rBV2     | 135679         | 349775        | 61.90%          | 7.355%        |
| 19        | 5.539       | 1388          | 1399        | 1415         | rBV      | 115742         | 242758        | 42.96%          | 5.105%        |
| 20        | 5.838       | 1480          | 1492        | 1506         | rBV      | 148530         | 308163        | 54.53%          | 6.480%        |
| 21        | 5.992       | 1528          | 1540        | 1552         | rBV2     | 76032          | 158135        | 27.98%          | 3.325%        |
| 22        | 6.921       | 1819          | 1829        | 1854         | rBV2     | 34964          | 76817         | 13.59%          | 1.615%        |
| 23        | 7.246       | 1920          | 1930        | 1948         | rBV      | 159324         | 296678        | 52.50%          | 6.239%        |
| 24        | 7.323       | 1948          | 1954        | 1980         | rVB      | 17839          | 39883         | 7.06%           | 0.839%        |
| 25        | 7.561       | 2018          | 2028        | 2048         | rBV      | 20547          | 45636         | 8.08%           | 0.960%        |
| 26        | 8.031       | 2164          | 2174        | 2207         | rBV      | 201892         | 420375        | 74.39%          | 8.840%        |
| 27        | 8.789       | 2399          | 2410        | 2434         | rBV      | 186482         | 325706        | 57.64%          | 6.849%        |
| 28        | 8.953       | 2454          | 2461        | 2472         | rVB2     | 5975           | 9078          | 1.61%           | 0.191%        |
| 29        | 9.082       | 2492          | 2501        | 2513         | rBV3     | 10348          | 18890         | 3.34%           | 0.397%        |
| 30        | 9.490       | 2619          | 2628        | 2635         | rBV2     | 4503           | 7297          | 1.29%           | 0.153%        |
| 31        | 10.156      | 2823          | 2835        | 2854         | rBV      | 66803          | 107733        | 19.06%          | 2.265%        |
| 32        | 10.860      | 3044          | 3054        | 3065         | rBV3     | 5755           | 9204          | 1.63%           | 0.194%        |
| 33        | 11.188      | 3145          | 3156        | 3174         | rBV      | 184414         | 294242        | 52.07%          | 6.187%        |
| 34        | 11.506      | 3246          | 3255        | 3263         | rBV6     | 3395           | 7165          | 1.27%           | 0.151%        |
| 35        | 11.564      | 3263          | 3273        | 3293         | rVB      | 157275         | 250415        | 44.31%          | 5.266%        |

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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX885

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

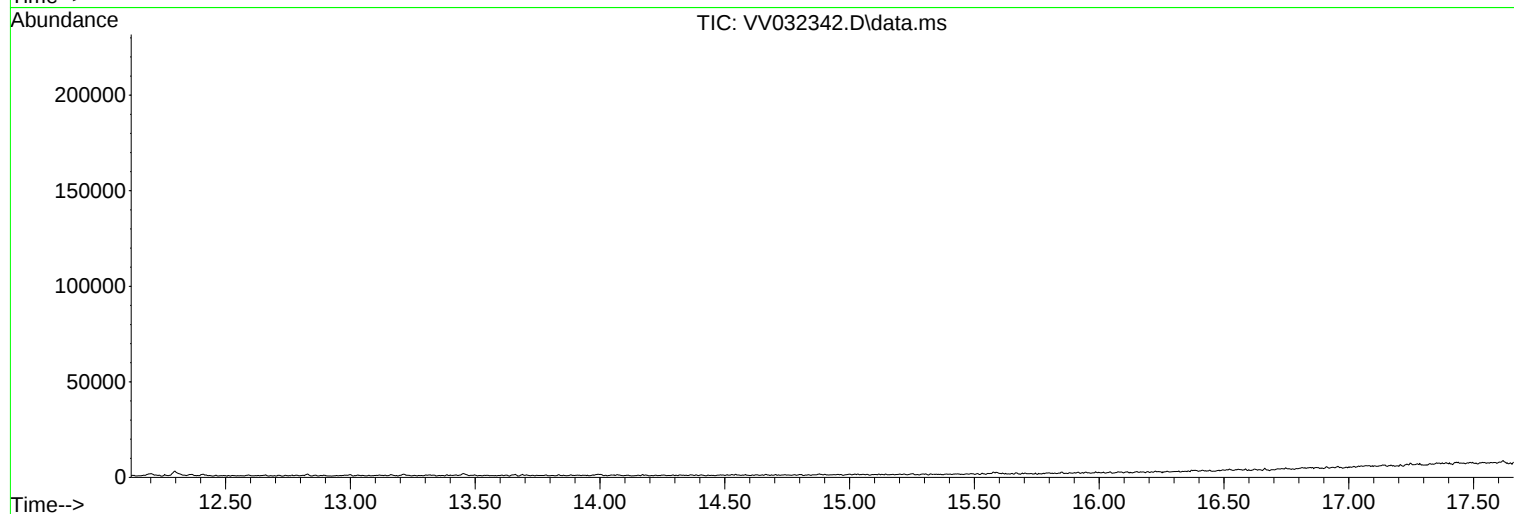
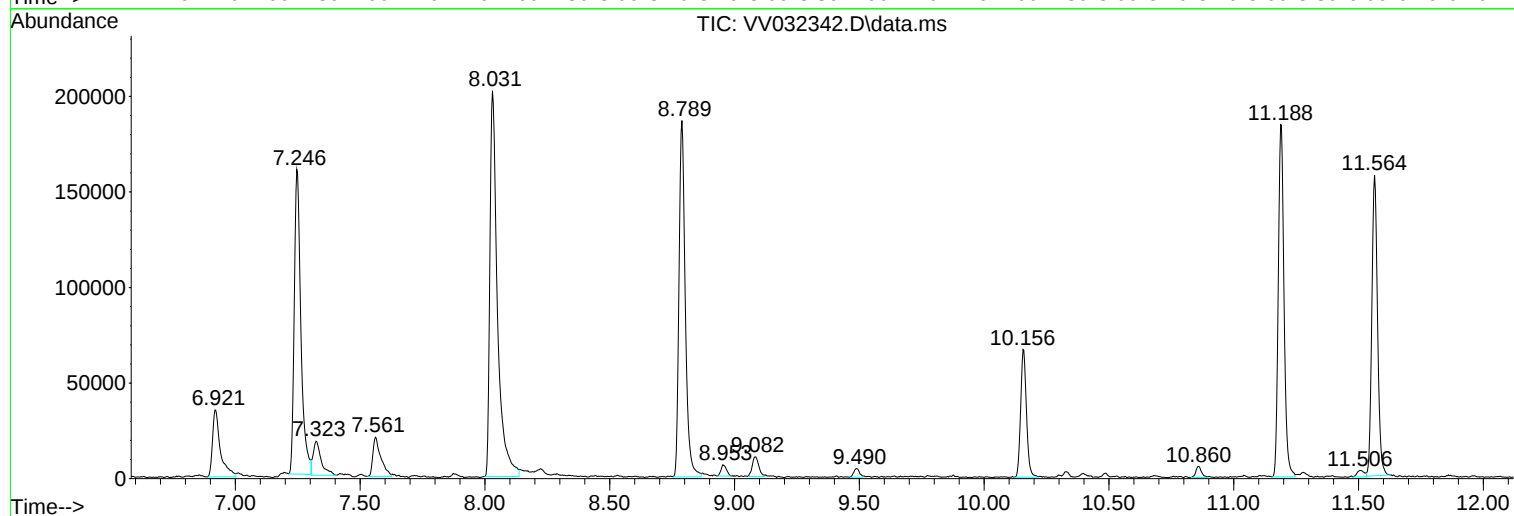
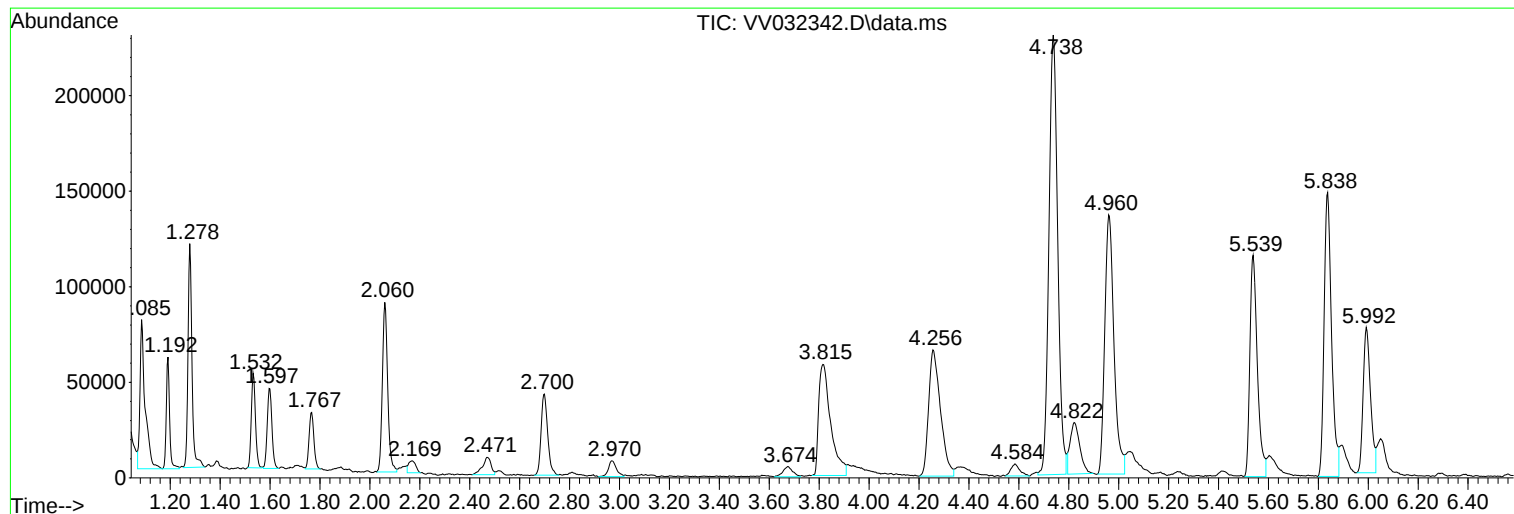
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX885

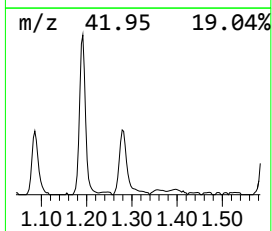
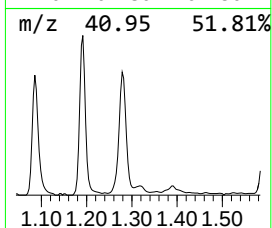
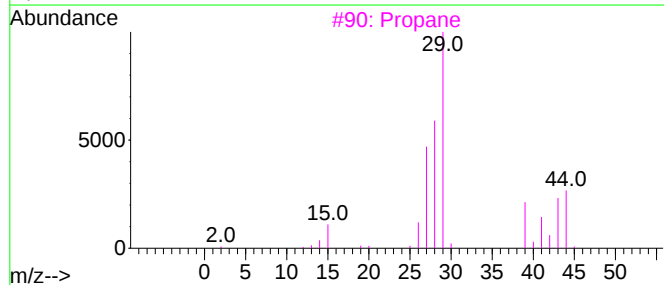
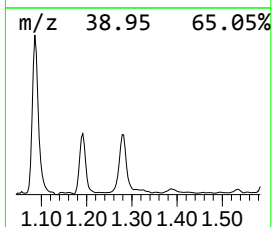
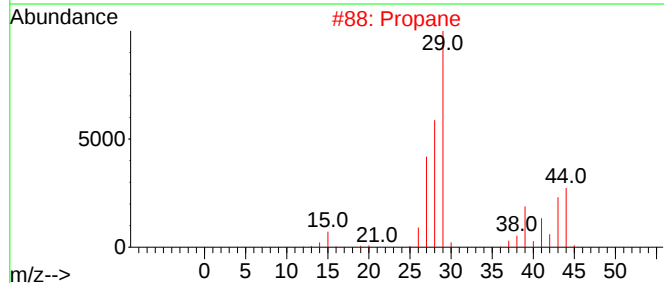
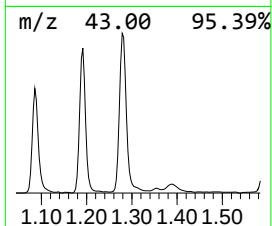
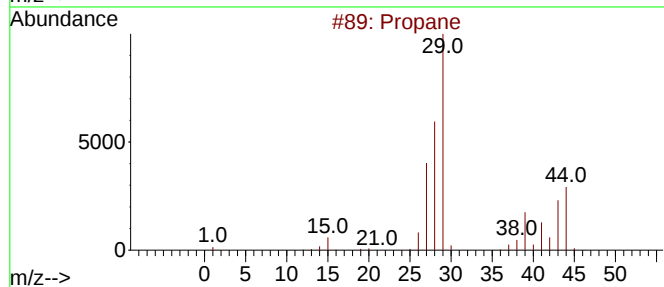
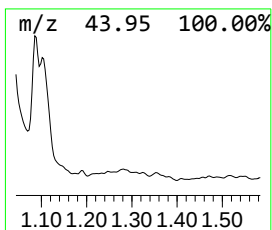
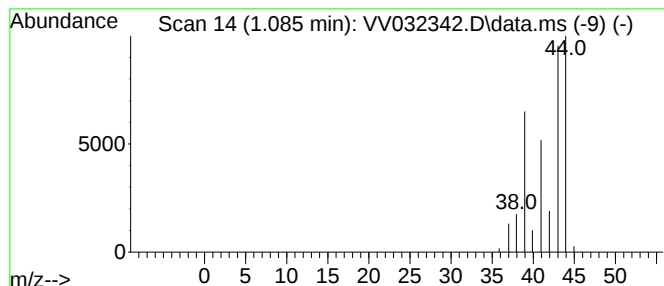
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.085 | 2.31 ug/L | 111949 | 1,4-Difluorobenzene | 5.539 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Propane      | 44 | C3H8    | 000074-98-6 | 83   |
| 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    |    |   | Acetaldehyde | 44 | C2H4O   | 000075-07-0 | 5    |



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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX885

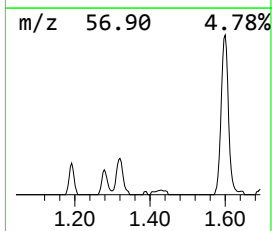
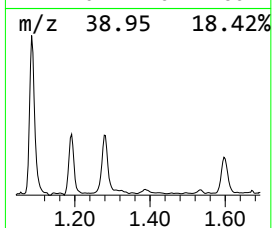
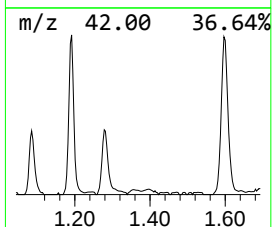
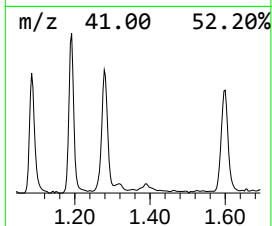
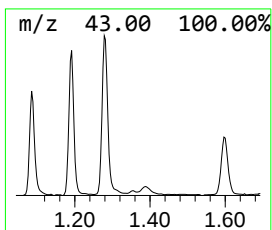
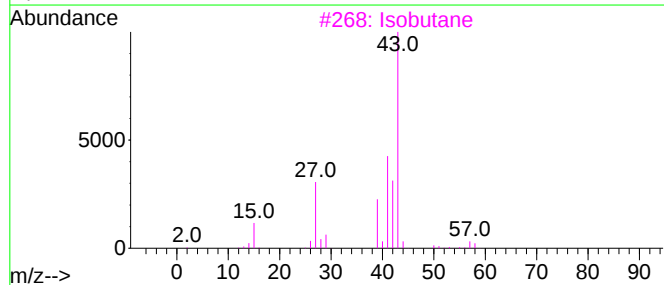
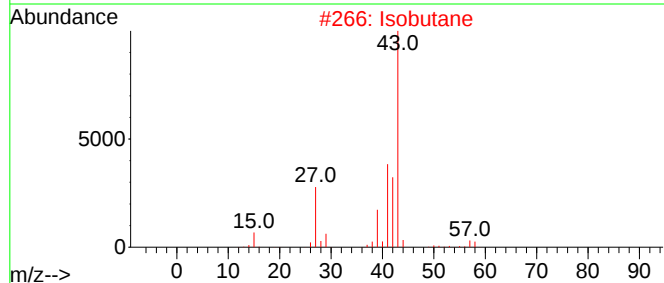
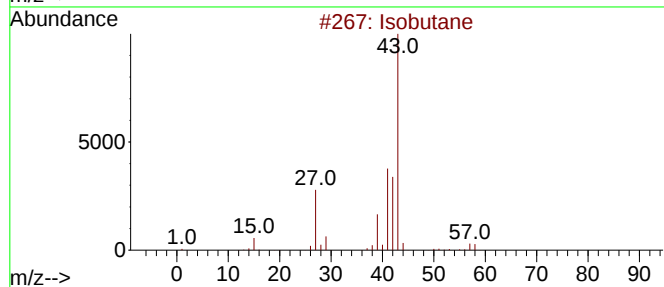
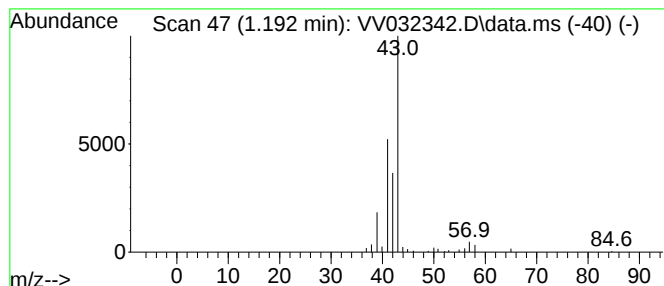
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.192 | 1.14 ug/L | 55477 | 1,4-Difluorobenzene | 5.539 |

| Hit# | of 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|------|--------------|----|---------|-------------|------|
| 1    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 2    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 59   |
| 3    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 45   |
| 4    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 40   |
| 5    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 40   |



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Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX885

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

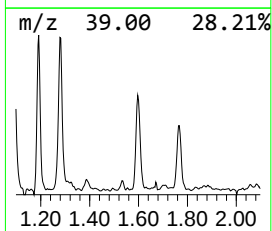
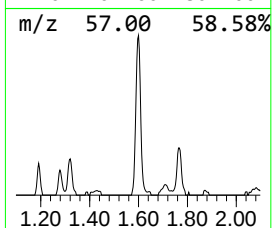
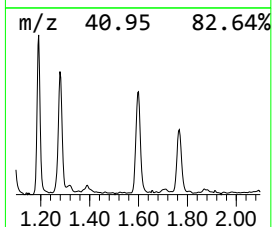
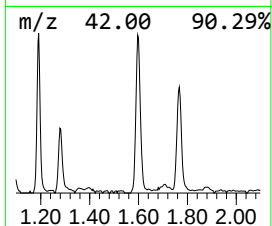
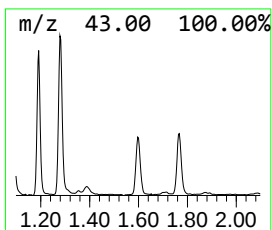
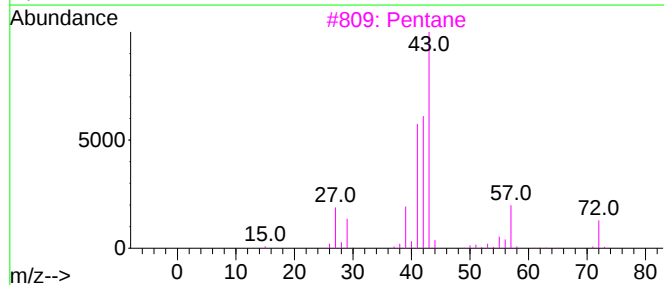
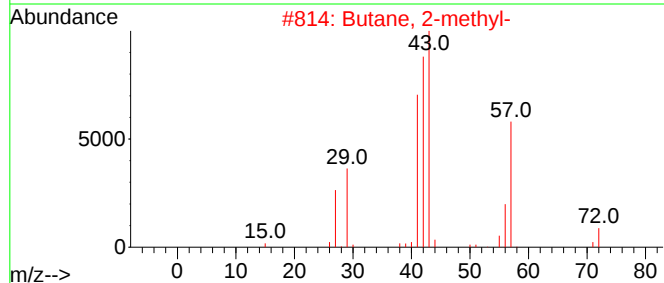
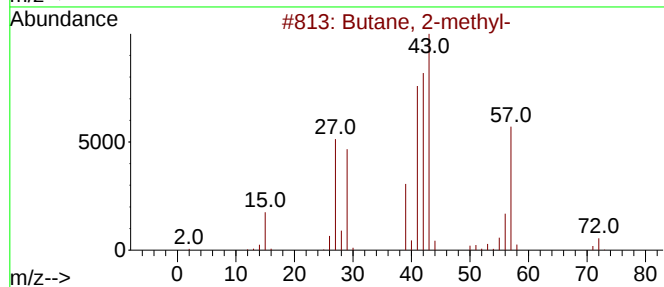
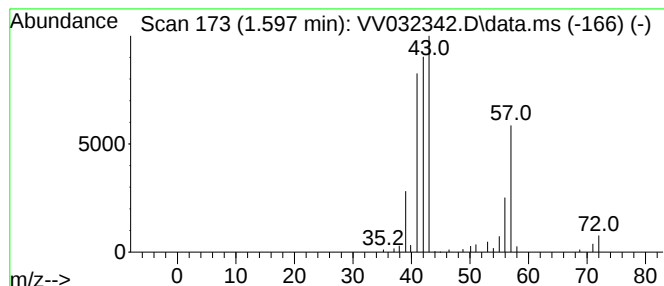
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.597 | 1.10 ug/L | 53359 | 1,4-Difluorobenzene | 5.539 |

| 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 | 90   |
| 3    | Pentane                    |   |              | 72  | C5H12   | 000109-66-0 | 50   |
| 4    | Butane, 1-chloro-2-methyl- |   |              | 106 | C5H11Cl | 000616-13-7 | 12   |
| 5    | 1-Propene, 2-methyl-       |   |              | 56  | C4H8    | 000115-11-7 | 11   |



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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX885

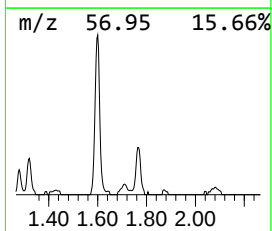
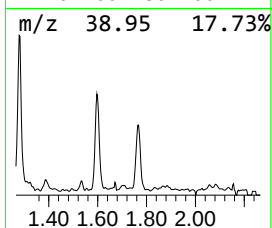
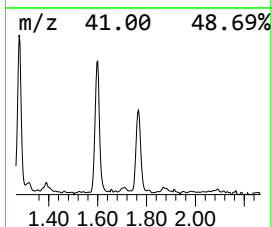
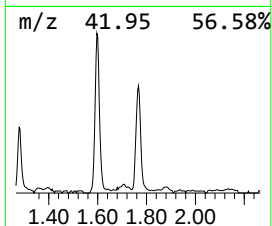
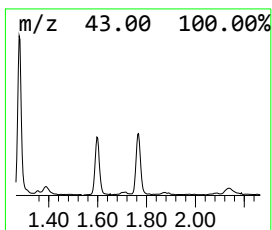
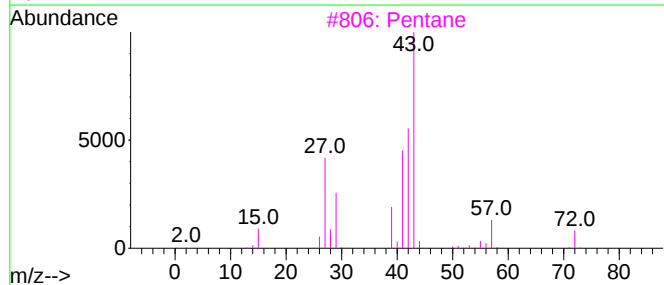
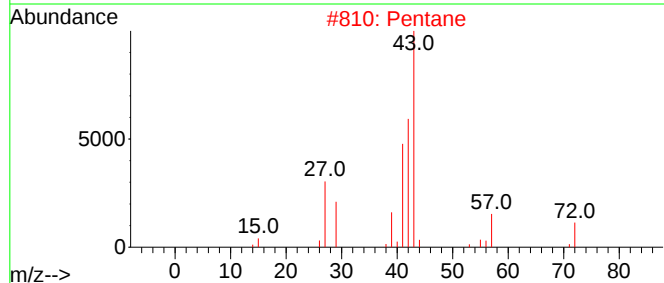
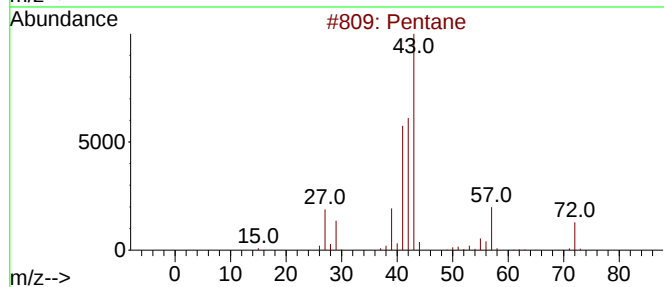
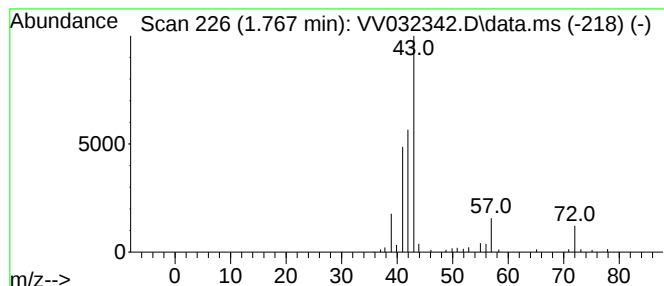
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.767 | 0.80 ug/L | 38730 | 1,4-Difluorobenzene | 5.539 |

| Hit# | of      | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|---|--------------|----|---------|-------------|------|
| 1    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 90   |
| 2    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 87   |
| 3    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 4    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 5    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 86   |



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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

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: S... | 1.085 | 2.3     | ug/L  | 111949   | 1                     | 5.539 | 242758 | 5.0  |
| (DEL) Alkane: S... | 1.192 | 1.1     | ug/L  | 55477    | 1                     | 5.539 | 242758 | 5.0  |
| (DEL) Alkane: S... | 1.597 | 1.1     | ug/L  | 53359    | 1                     | 5.539 | 242758 | 5.0  |
| (DEL) Alkane: S... | 1.767 | 0.8     | ug/L  | 38730    | 1                     | 5.539 | 242758 | 5.0  |