

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012624\  
 Data File : VU057703.D  
 Acq On : 26 Jan 2024 19:46  
 Operator : MD/SY  
 Sample : P1230-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0BF0

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\SFAMUTR012324WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VU057703.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         | 1.490       | 55            | 62          | 81           | rBV      | 30675          | 34142         | 19.54%          | 2.077%        |
| 2         | 1.596       | 86            | 95          | 109          | rVB      | 15566          | 18576         | 10.63%          | 1.130%        |
| 3         | 1.727       | 131           | 136         | 145          | rVB      | 3466           | 3834          | 2.19%           | 0.233%        |
| 4         | 1.911       | 185           | 193         | 207          | rBV      | 15643          | 21767         | 12.46%          | 1.324%        |
| 5         | 2.560       | 384           | 395         | 410          | rBV      | 27951          | 45561         | 26.07%          | 2.771%        |
| 6         | 2.644       | 410           | 421         | 435          | rBV2     | 1785           | 4013          | 2.30%           | 0.244%        |
| 7         | 2.843       | 469           | 483         | 486          | rBV4     | 926            | 1978          | 1.13%           | 0.120%        |
| 8         | 3.178       | 572           | 587         | 620          | rBV      | 29655          | 78489         | 44.92%          | 4.774%        |
| 9         | 4.628       | 1021          | 1038        | 1089         | rBV2     | 28650          | 88212         | 50.48%          | 5.366%        |
| 10        | 5.075       | 1158          | 1177        | 1201         | rVB4     | 58436          | 174744        | 100.00%         | 10.629%       |
| 11        | 5.718       | 1360          | 1377        | 1406         | rBV3     | 56940          | 143863        | 82.33%          | 8.751%        |
| 12        | 6.245       | 1528          | 1541        | 1563         | rBV      | 75346          | 143186        | 81.94%          | 8.710%        |
| 13        | 6.685       | 1666          | 1678        | 1697         | rVB      | 35953          | 68389         | 39.14%          | 4.160%        |
| 14        | 7.100       | 1796          | 1807        | 1823         | rBV      | 12478          | 22567         | 12.91%          | 1.373%        |
| 15        | 7.563       | 1940          | 1951        | 1965         | rBV      | 18480          | 32069         | 18.35%          | 1.951%        |
| 16        | 7.894       | 2040          | 2054        | 2069         | rBV      | 69095          | 122102        | 69.87%          | 7.427%        |
| 17        | 7.965       | 2072          | 2076        | 2086         | rVB2     | 1585           | 2630          | 1.51%           | 0.160%        |
| 18        | 8.177       | 2132          | 2142        | 2154         | rBV      | 10231          | 17224         | 9.86%           | 1.048%        |
| 19        | 8.631       | 2272          | 2283        | 2310         | rBV2     | 70199          | 142840        | 81.74%          | 8.689%        |
| 20        | 8.804       | 2329          | 2337        | 2349         | rVB3     | 2328           | 3413          | 1.95%           | 0.208%        |
| 21        | 9.412       | 2515          | 2526        | 2555         | rBV      | 101043         | 173235        | 99.14%          | 10.537%       |
| 22        | 10.753      | 2933          | 2943        | 2956         | rVB      | 24913          | 38839         | 22.23%          | 2.362%        |
| 23        | 11.807      | 3260          | 3271        | 3290         | rBV      | 101189         | 159906        | 91.51%          | 9.727%        |
| 24        | 12.190      | 3378          | 3390        | 3410         | rBV      | 63445          | 102422        | 58.61%          | 6.230%        |

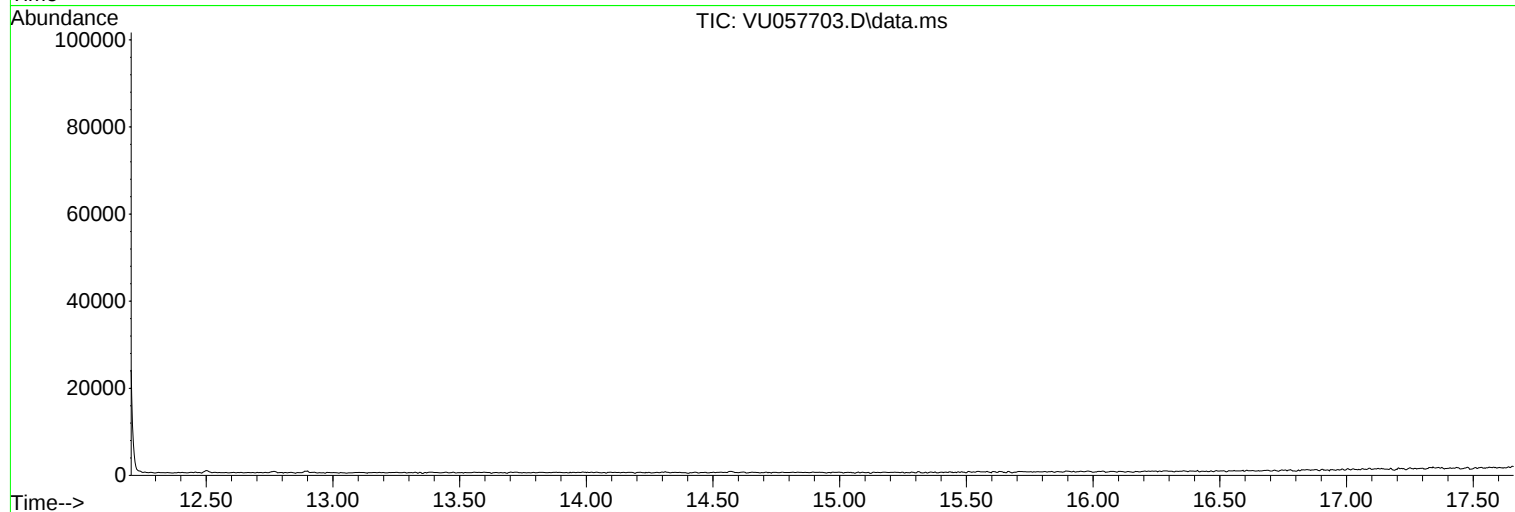
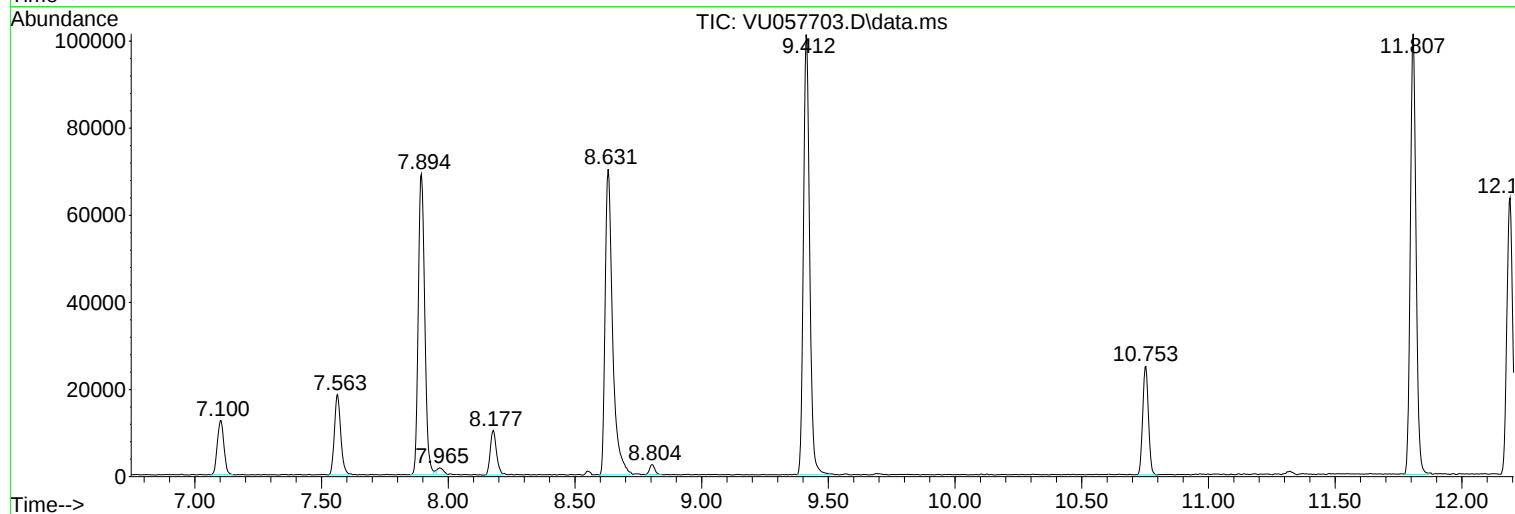
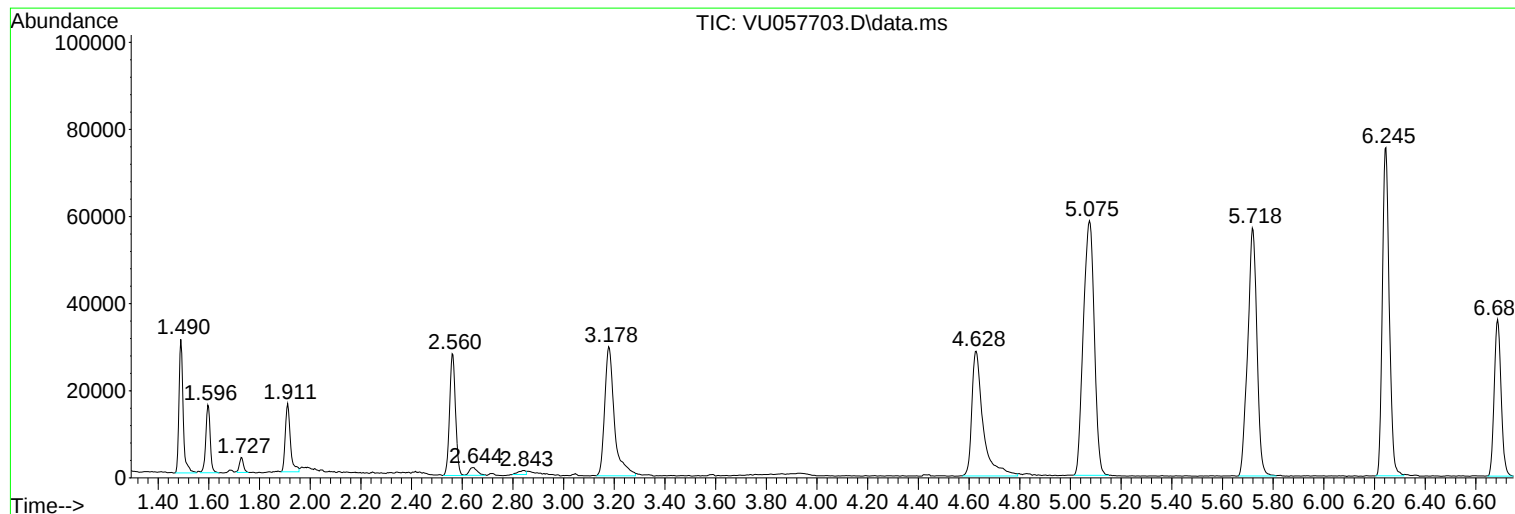
Sum of corrected areas: 1644001

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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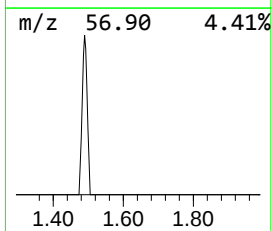
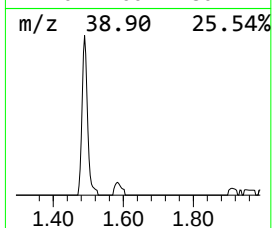
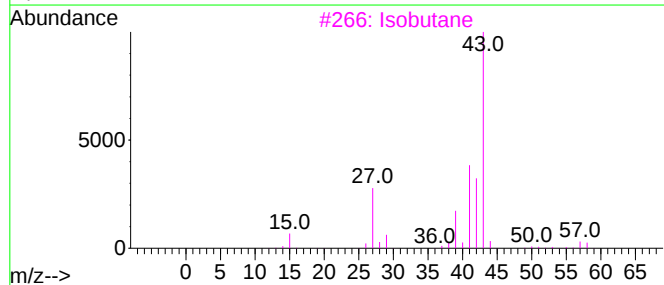
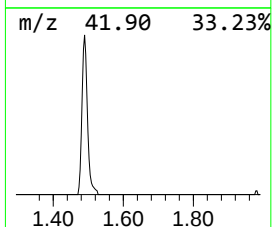
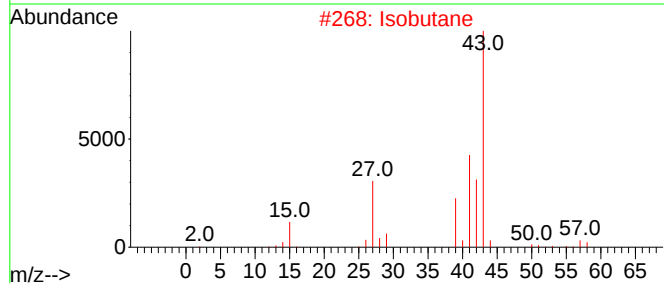
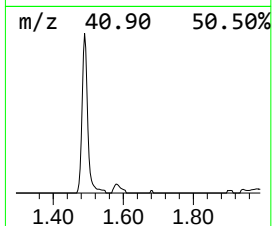
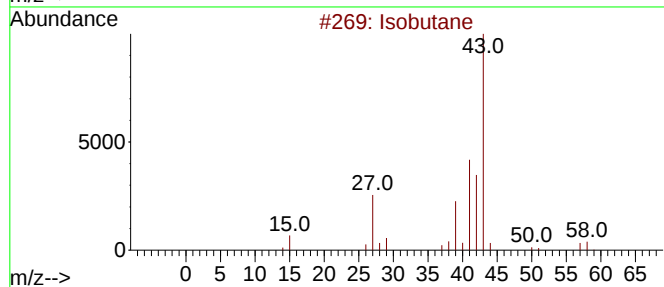
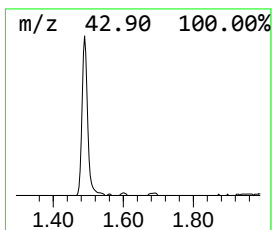
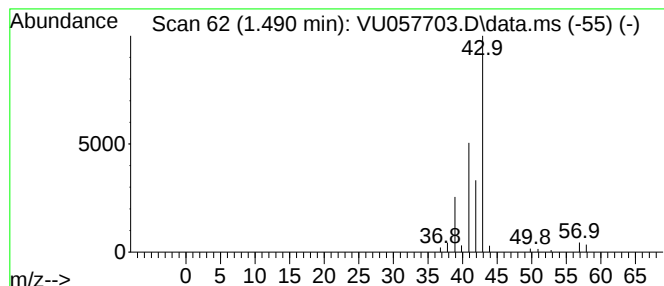
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.490 | 1.19 ug/L | 34142 | 1,4-Difluorobenzene | 6.245 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 78   |
| 2    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 3    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 4    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 45   |
| 5    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 9    |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: S... | 1.490 | 1.2     | ug/L  | 34142    | 1                     | 6.245 | 143186 | 5.0  |