

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV022624\  
 Data File : VV034418.D  
 Acq On : 26 Feb 2024 19:31  
 Operator : SY/MD  
 Sample : P1535-05  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AH6

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\SFAMVTR022624WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VV034418.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         | 1.191       | 40            | 47          | 59           | rBV      | 658932         | 593770        | 100.00%         | 12.461%       |
| 2         | 1.278       | 67            | 74          | 93           | rVB      | 65872          | 80611         | 13.58%          | 1.692%        |
| 3         | 1.536       | 146           | 154         | 166          | rVV      | 56678          | 69811         | 11.76%          | 1.465%        |
| 4         | 1.597       | 167           | 173         | 184          | rVB      | 23155          | 29197         | 4.92%           | 0.613%        |
| 5         | 2.060       | 307           | 317         | 330          | rVV      | 106597         | 156753        | 26.40%          | 3.290%        |
| 6         | 2.130       | 331           | 339         | 356          | rVB2     | 7707           | 18217         | 3.07%           | 0.382%        |
| 7         | 2.889       | 565           | 575         | 587          | rBV5     | 5990           | 12218         | 2.06%           | 0.256%        |
| 8         | 3.802       | 846           | 859         | 891          | rBV      | 59128          | 189150        | 31.86%          | 3.970%        |
| 9         | 4.252       | 983           | 999         | 1028         | rBV2     | 75958          | 205620        | 34.63%          | 4.315%        |
| 10        | 4.957       | 1205          | 1218        | 1244         | rBV4     | 171264         | 436828        | 73.57%          | 9.168%        |
| 11        | 5.535       | 1388          | 1398        | 1425         | rBV      | 166138         | 343035        | 57.77%          | 7.199%        |
| 12        | 5.989       | 1527          | 1539        | 1561         | rBV2     | 96560          | 205977        | 34.69%          | 4.323%        |
| 13        | 6.918       | 1819          | 1828        | 1849         | rBV      | 44023          | 84436         | 14.22%          | 1.772%        |
| 14        | 7.246       | 1919          | 1930        | 1949         | rBV      | 197043         | 351902        | 59.27%          | 7.385%        |
| 15        | 7.329       | 1949          | 1956        | 1978         | rVB2     | 9853           | 22266         | 3.75%           | 0.467%        |
| 16        | 7.561       | 2020          | 2028        | 2043         | rBV2     | 24143          | 45099         | 7.60%           | 0.946%        |
| 17        | 7.876       | 2113          | 2126        | 2135         | rBV2     | 5941           | 9656          | 1.63%           | 0.203%        |
| 18        | 8.024       | 2163          | 2172        | 2205         | rBV      | 294342         | 524566        | 88.34%          | 11.009%       |
| 19        | 8.786       | 2398          | 2409        | 2435         | rBV      | 256899         | 424665        | 71.52%          | 8.912%        |
| 20        | 10.156      | 2821          | 2835        | 2853         | rBV      | 81025          | 129985        | 21.89%          | 2.728%        |
| 21        | 10.326      | 2877          | 2888        | 2899         | rBV2     | 10241          | 16637         | 2.80%           | 0.349%        |
| 22        | 11.185      | 3145          | 3155        | 3177         | rBV      | 271765         | 430902        | 72.57%          | 9.043%        |
| 23        | 11.561      | 3261          | 3272        | 3294         | rBV      | 218999         | 346252        | 58.31%          | 7.267%        |
| 24        | 12.194      | 3462          | 3469        | 3479         | rVB2     | 4488           | 7166          | 1.21%           | 0.150%        |
| 25        | 12.291      | 3491          | 3499        | 3513         | rBV4     | 10863          | 19229         | 3.24%           | 0.404%        |
| 26        | 17.043      | 4971          | 4977        | 4987         | rVB2     | 7956           | 10969         | 1.85%           | 0.230%        |

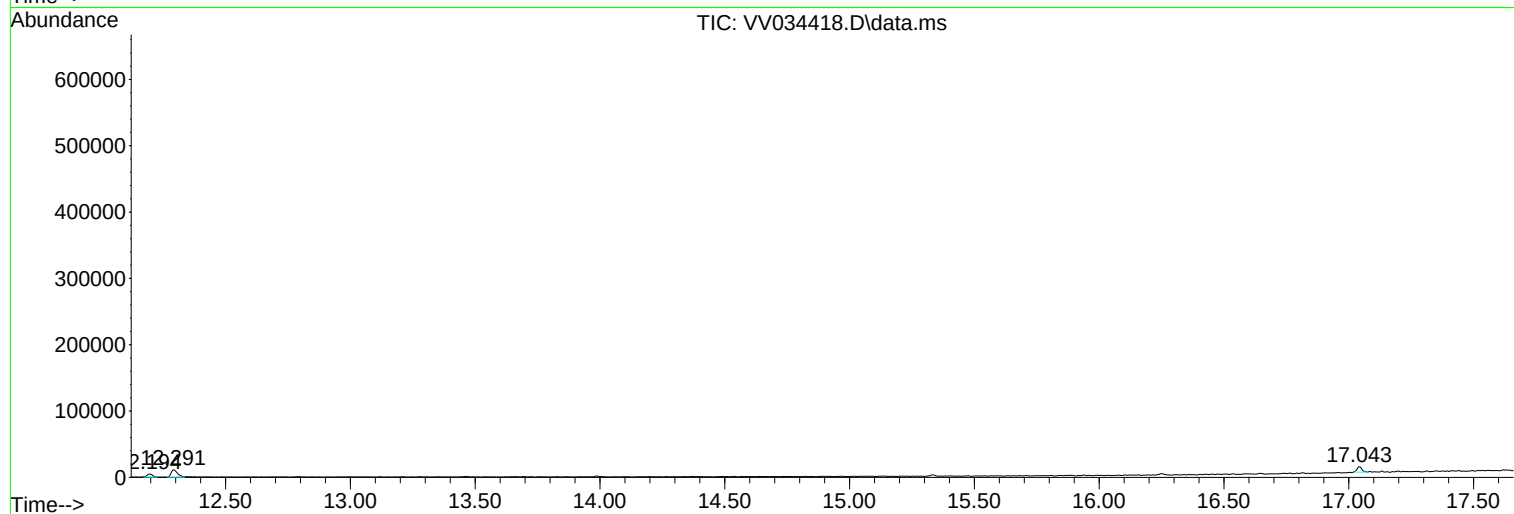
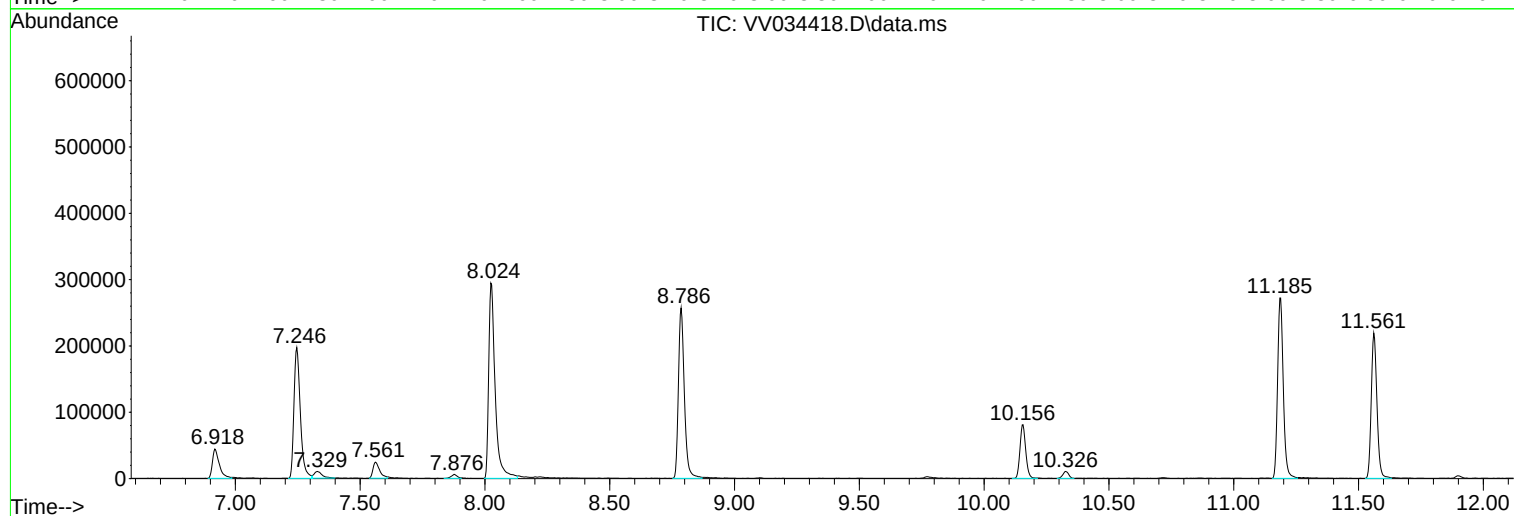
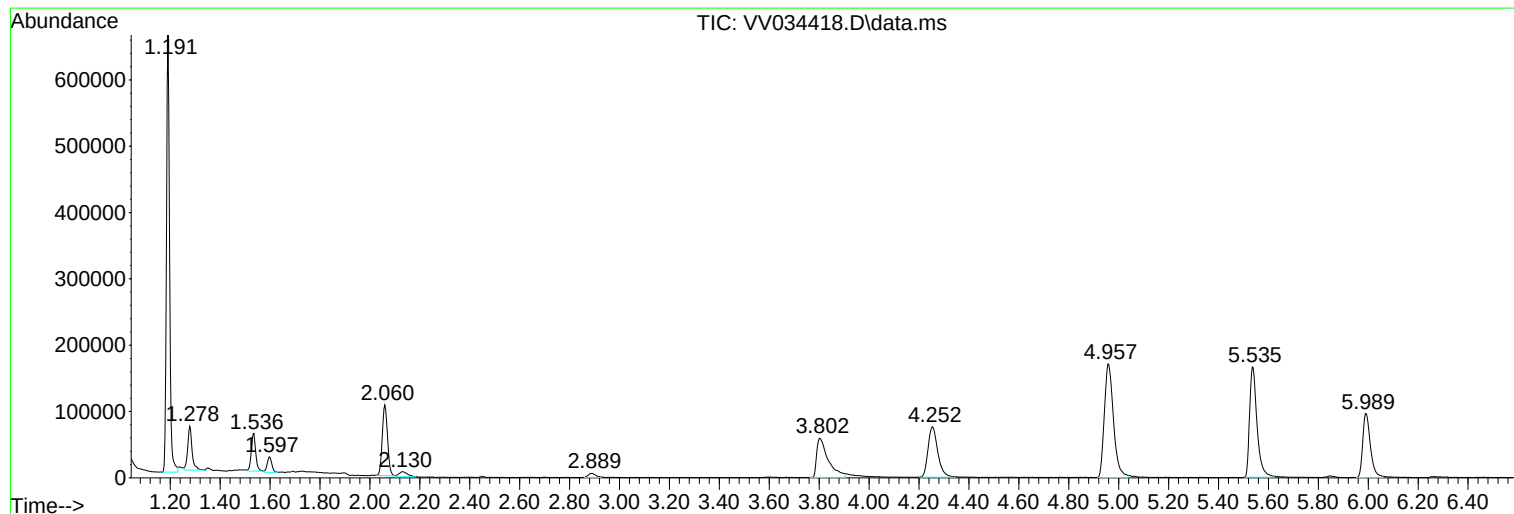
Sum of corrected areas: 4764917

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ClientSampleId :  
C0AH6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022624WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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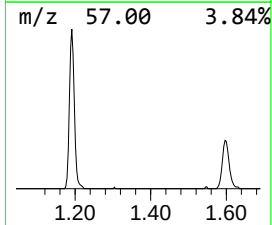
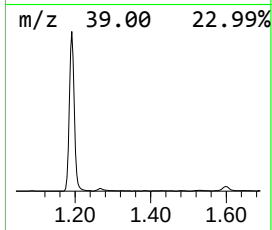
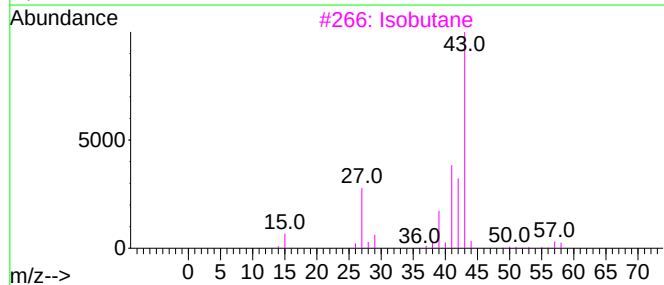
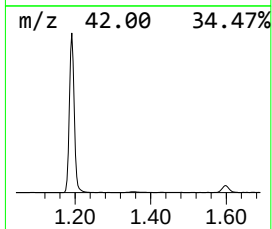
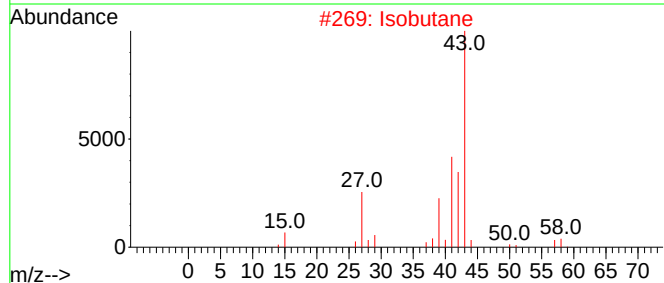
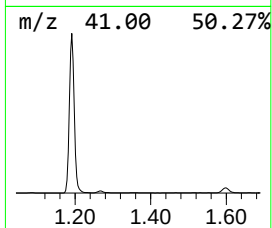
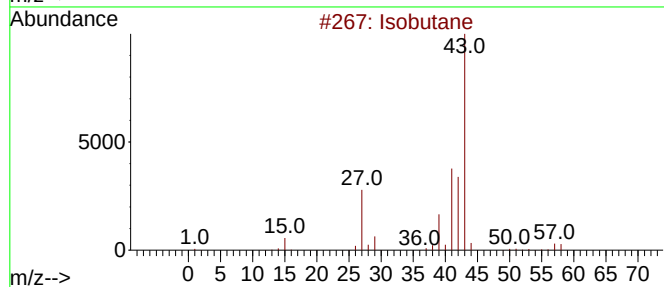
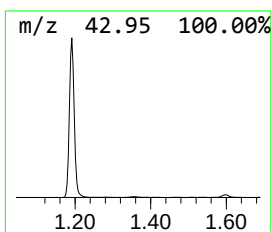
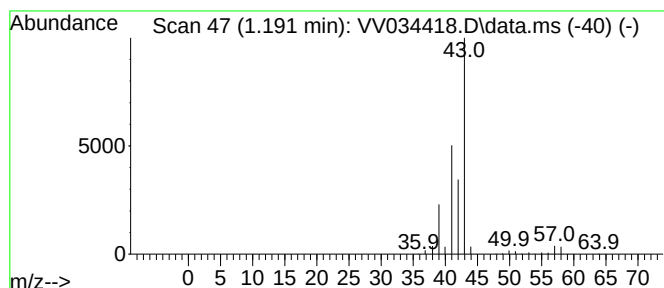
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022624WMA.M  
Quant Title : TRACE VOA SFAM1.0

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.  |
|-------|-----------|--------|---------------------|-------|
| 1.191 | 8.65 ug/L | 593770 | 1,4-Difluorobenzene | 5.539 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 80   |
| 2    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 3    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 4    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 5    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 59   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: S... | 1.191 | 8.7     | ug/L  | 593770   | 1                     | 5.539 | 343035 | 5.0  |