

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\  
 Data File : VU037178.D  
 Acq On : 11 Mar 2020 20:00  
 Operator : JC/MD  
 Sample : L1891-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBER0

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR031120WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| 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       | 4             | 9           | 18           | rBV3     | 11062          | 11621         | 2.74%           | 0.280%        |
| 2         | 1.610       | 72            | 84          | 94           | rBV      | 61051          | 74080         | 17.46%          | 1.787%        |
| 3         | 1.929       | 174           | 183         | 194          | rBV      | 44729          | 57658         | 13.59%          | 1.391%        |
| 4         | 2.173       | 252           | 259         | 265          | rBV2     | 9321           | 11935         | 2.81%           | 0.288%        |
| 5         | 2.221       | 266           | 274         | 285          | rVB2     | 23515          | 33529         | 7.90%           | 0.809%        |
| 6         | 2.591       | 377           | 389         | 401          | rBV      | 88595          | 146534        | 34.53%          | 3.534%        |
| 7         | 2.678       | 406           | 416         | 424          | rBV2     | 5252           | 11116         | 2.62%           | 0.268%        |
| 8         | 3.404       | 626           | 642         | 669          | rVB2     | 153860         | 371113        | 87.46%          | 8.950%        |
| 9         | 4.684       | 1024          | 1040        | 1057         | rBV      | 49394          | 144659        | 34.09%          | 3.489%        |
| 10        | 5.102       | 1155          | 1170        | 1189         | rBV2     | 83492          | 182192        | 42.94%          | 4.394%        |
| 11        | 5.761       | 1354          | 1375        | 1399         | rBV2     | 160918         | 424314        | 100.00%         | 10.233%       |
| 12        | 5.980       | 1427          | 1443        | 1456         | rBV4     | 12451          | 27742         | 6.54%           | 0.669%        |
| 13        | 6.282       | 1522          | 1537        | 1553         | rBV2     | 152731         | 287724        | 67.81%          | 6.939%        |
| 14        | 6.562       | 1613          | 1624        | 1634         | rVB4     | 8056           | 14789         | 3.49%           | 0.357%        |
| 15        | 6.726       | 1661          | 1675        | 1692         | rBV      | 104419         | 203288        | 47.91%          | 4.903%        |
| 16        | 7.202       | 1813          | 1823        | 1835         | rVB4     | 3442           | 6989          | 1.65%           | 0.169%        |
| 17        | 7.594       | 1932          | 1945        | 1963         | rBV2     | 49555          | 90367         | 21.30%          | 2.179%        |
| 18        | 7.925       | 2035          | 2048        | 2063         | rBV      | 195072         | 333058        | 78.49%          | 8.032%        |
| 19        | 8.205       | 2124          | 2135        | 2152         | rBV2     | 30398          | 56468         | 13.31%          | 1.362%        |
| 20        | 8.665       | 2264          | 2278        | 2308         | rBV      | 205073         | 412859        | 97.30%          | 9.957%        |
| 21        | 8.816       | 2316          | 2325        | 2335         | rVB5     | 6131           | 10261         | 2.42%           | 0.247%        |
| 22        | 9.440       | 2507          | 2519        | 2540         | rBV      | 217045         | 375700        | 88.54%          | 9.061%        |
| 23        | 9.713       | 2591          | 2604        | 2617         | rBV2     | 9455           | 14719         | 3.47%           | 0.355%        |
| 24        | 9.787       | 2617          | 2627        | 2638         | rVV6     | 6685           | 12460         | 2.94%           | 0.301%        |
| 25        | 10.121      | 2719          | 2731        | 2740         | rBV4     | 7400           | 11319         | 2.67%           | 0.273%        |
| 26        | 10.259      | 2765          | 2774        | 2795         | rVB3     | 11137          | 22487         | 5.30%           | 0.542%        |
| 27        | 10.385      | 2802          | 2813        | 2822         | rBV4     | 3547           | 6797          | 1.60%           | 0.164%        |
| 28        | 10.774      | 2923          | 2934        | 2949         | rVB      | 74130          | 119207        | 28.09%          | 2.875%        |
| 29        | 11.481      | 3145          | 3154        | 3163         | rVB5     | 3984           | 5567          | 1.31%           | 0.134%        |
| 30        | 11.829      | 3250          | 3262        | 3277         | rVB      | 188189         | 312466        | 73.64%          | 7.536%        |
| 31        | 11.909      | 3277          | 3287        | 3300         | rVB3     | 11320          | 17557         | 4.14%           | 0.423%        |
| 32        | 11.986      | 3300          | 3311        | 3322         | rBV6     | 8721           | 14372         | 3.39%           | 0.347%        |
| 33        | 12.208      | 3369          | 3380        | 3394         | rVB      | 186266         | 305686        | 72.04%          | 7.372%        |
| 34        | 12.996      | 3616          | 3625        | 3635         | rVB2     | 3077           | 4676          | 1.10%           | 0.113%        |

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MSVOA\_U  
ClientSampleId :  
DBER0

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\SOMUTR031120WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 35 | 13.054 | 3635 | 3643 | 3651 | rBV7 | 3462 | 5390 | 1.27% | 0.130% |
| 36 | 13.549 | 3787 | 3797 | 3805 | rVV4 | 4197 | 5718 | 1.35% | 0.138% |

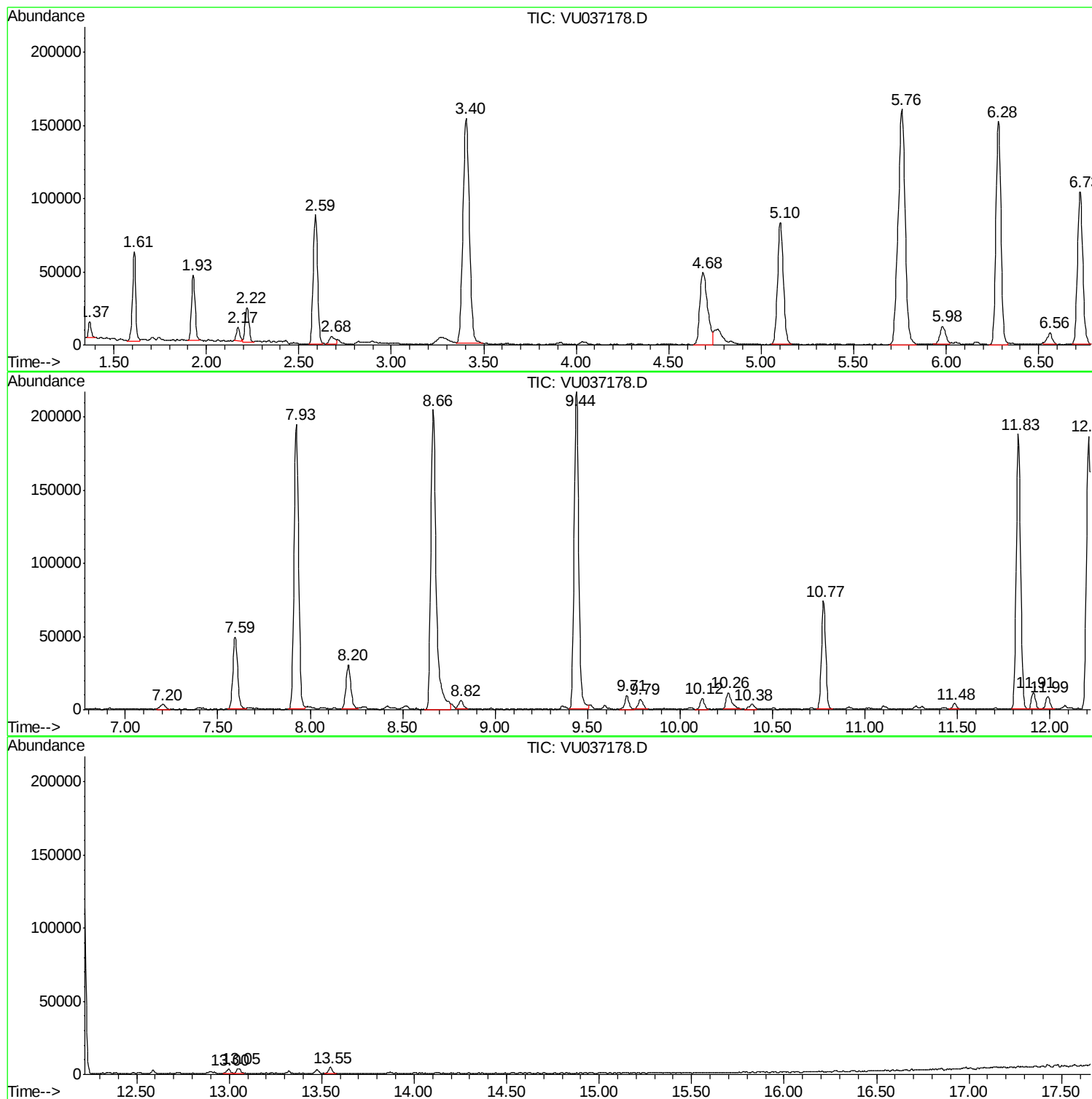
Sum of corrected areas: 4146417

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU031120\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR031120WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU031120\  
Data File : VU031718.D  
Acq On : 11 Mar 2020 20:00  
Operator : JC/MD  
Sample : L1891-02  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBER0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR031120WMA.M  
Quant Title : TRACE VOA SOM01.0

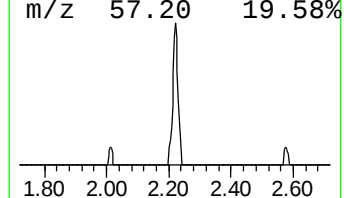
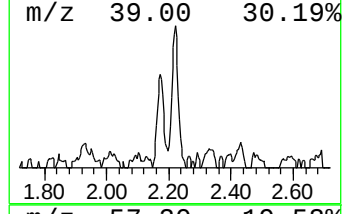
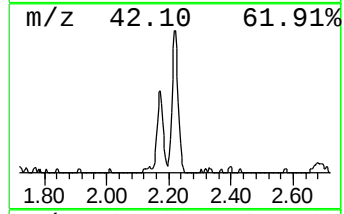
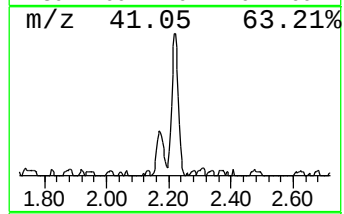
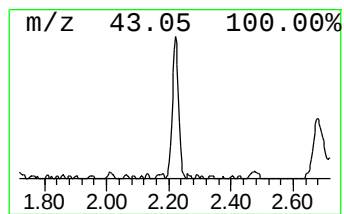
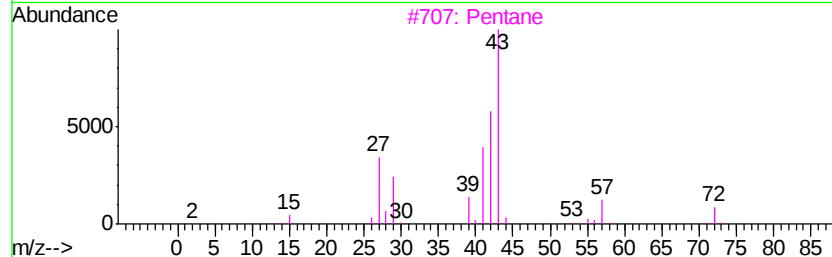
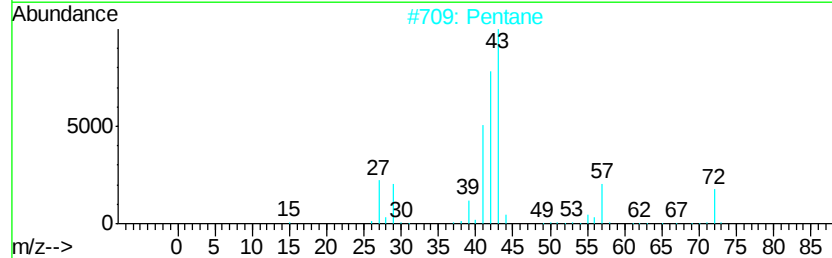
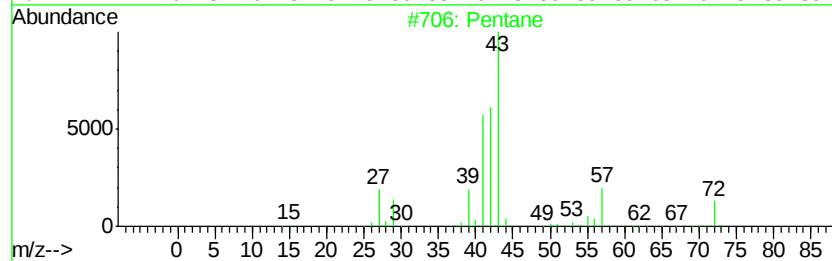
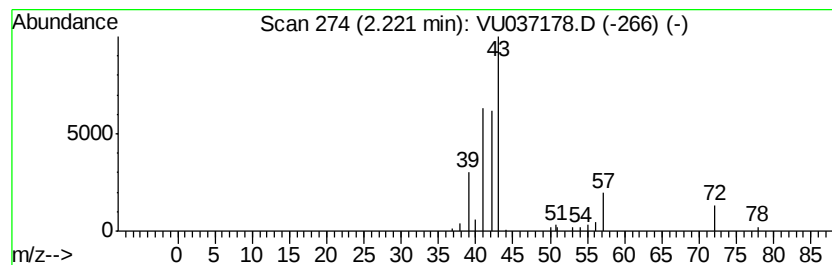
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.22 | 0.58 ug/L | 33529 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Pentane         | 72 | C5H12   | 000109-66-0 | 86   |
| 2    |    | Pentane         | 72 | C5H12   | 000109-66-0 | 64   |
| 3    |    | Pentane         | 72 | C5H12   | 000109-66-0 | 64   |
| 4    |    | Pentane         | 72 | C5H12   | 000109-66-0 | 64   |
| 5    |    | Oxirane, ethyl- | 72 | C4H8O   | 000106-88-7 | 53   |



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ClientSampleId :  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR031120WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 2.22 | 0.6     | ug/L  | 33529    | 1                     | 6.28 | 287724 | 5.0  |