

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\  
 Data File : VV015910.D  
 Acq On : 06 May 2020 15:20  
 Operator : SY/MD  
 Sample : L2517-02  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AG8

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\_V\METHOD\SOMVTR050520WMA.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         | 2.116       | 309           | 319         | 342          | rVB      | 127511         | 198535        | 2.48%           | 1.130%        |
| 2         | 2.541       | 426           | 451         | 474          | rBV      | 352770         | 756047        | 9.45%           | 4.303%        |
| 3         | 2.775       | 508           | 524         | 554          | rVB      | 1002923        | 2015073       | 25.20%          | 11.468%       |
| 4         | 3.055       | 595           | 611         | 642          | rBV      | 1079829        | 2146603       | 26.84%          | 12.216%       |
| 5         | 3.785       | 815           | 838         | 877          | rBV      | 3152092        | 7996995       | 100.00%         | 45.510%       |
| 6         | 3.968       | 877           | 895         | 940          | rBV4     | 45354          | 285975        | 3.58%           | 1.627%        |
| 7         | 4.377       | 1006          | 1022        | 1048         | rVB      | 90632          | 235068        | 2.94%           | 1.338%        |
| 8         | 4.701       | 1106          | 1123        | 1143         | rBV2     | 59801          | 147774        | 1.85%           | 0.841%        |
| 9         | 5.071       | 1223          | 1238        | 1277         | rBV3     | 216628         | 535673        | 6.70%           | 3.048%        |
| 10        | 5.640       | 1403          | 1415        | 1441         | rBV      | 190426         | 389030        | 4.86%           | 2.214%        |
| 11        | 6.097       | 1541          | 1557        | 1578         | rBV      | 124729         | 260493        | 3.26%           | 1.482%        |
| 12        | 7.010       | 1829          | 1841        | 1866         | rBV      | 57090          | 109978        | 1.38%           | 0.626%        |
| 13        | 7.338       | 1931          | 1943        | 1960         | rBV      | 262076         | 454855        | 5.69%           | 2.589%        |
| 14        | 8.116       | 2174          | 2185        | 2219         | rBV      | 274858         | 544632        | 6.81%           | 3.099%        |
| 15        | 8.875       | 2406          | 2421        | 2447         | rBV      | 299587         | 485761        | 6.07%           | 2.764%        |
| 16        | 10.238      | 2835          | 2845        | 2859         | rBV2     | 82280          | 129274        | 1.62%           | 0.736%        |
| 17        | 11.270      | 3155          | 3166        | 3184         | rBV      | 309032         | 473039        | 5.92%           | 2.692%        |
| 18        | 11.646      | 3269          | 3283        | 3301         | rBV      | 258066         | 407124        | 5.09%           | 2.317%        |

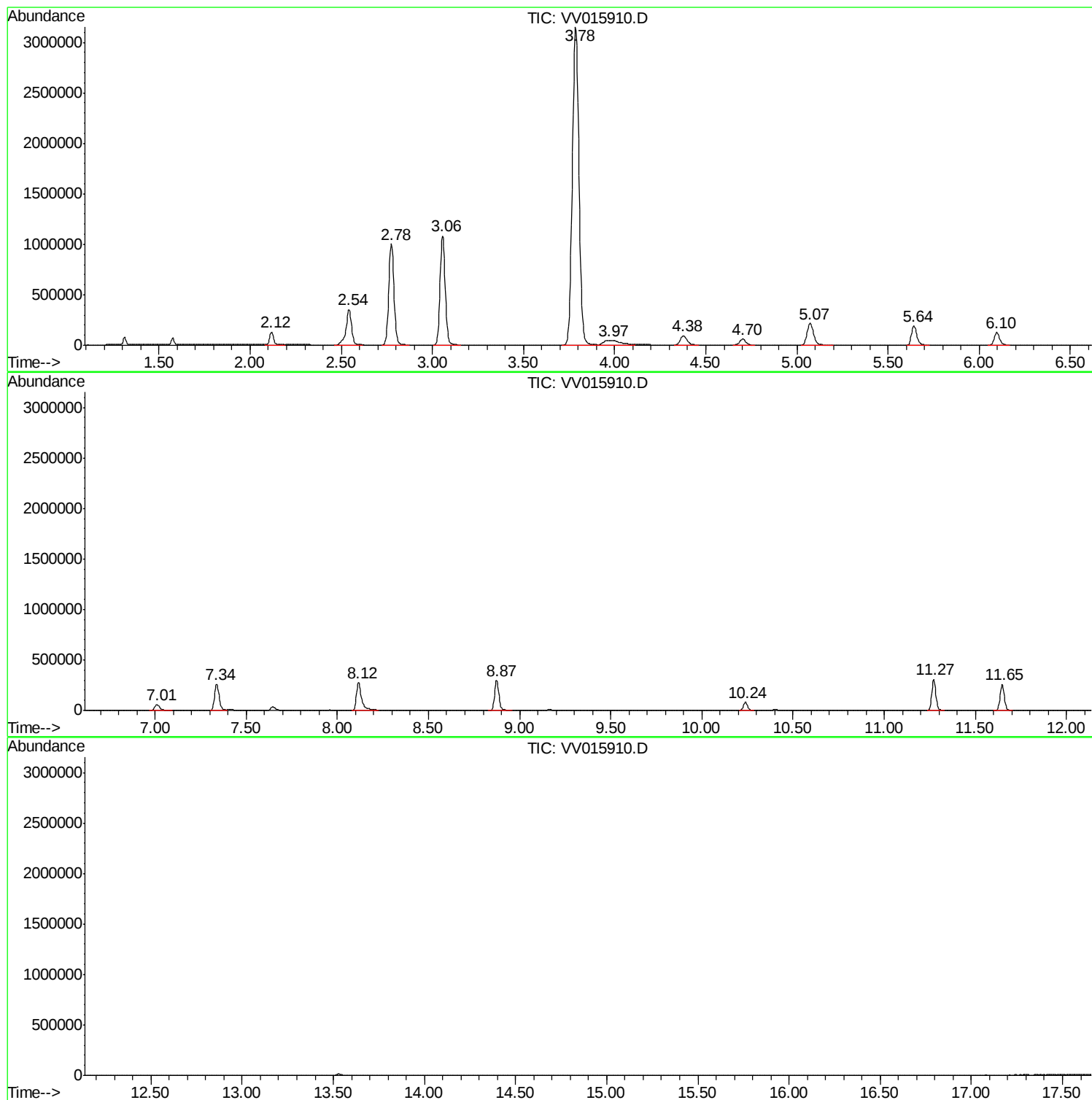
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C0AG8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Title : TRACE VOA SOM01.0

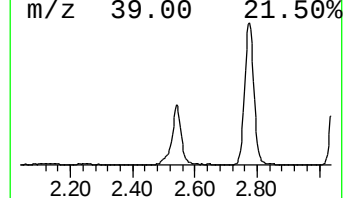
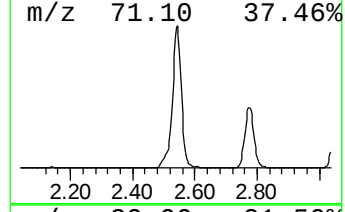
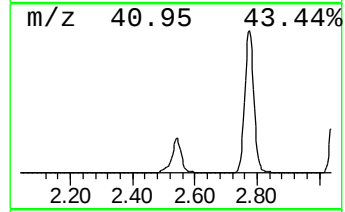
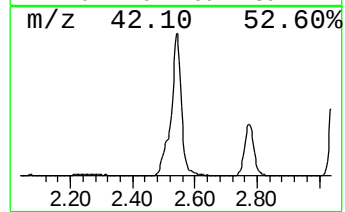
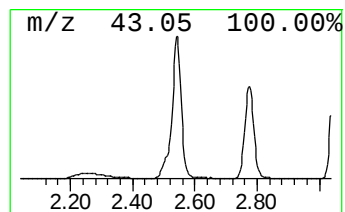
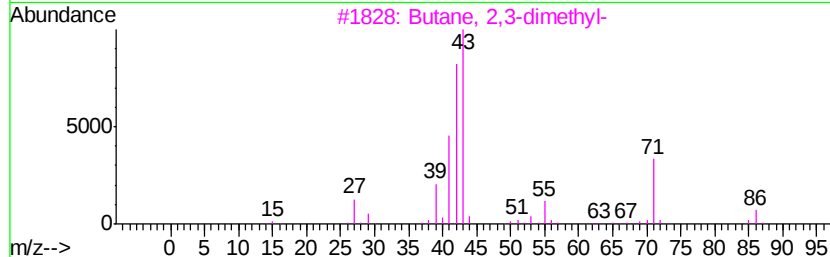
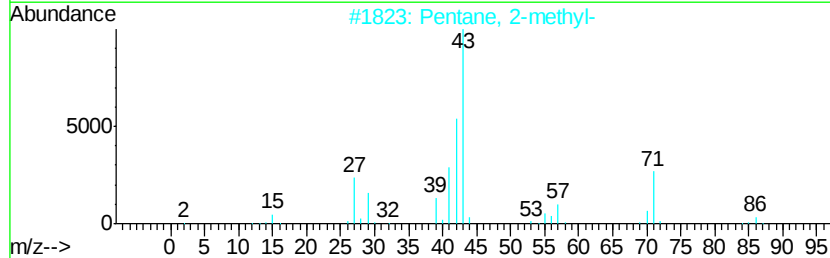
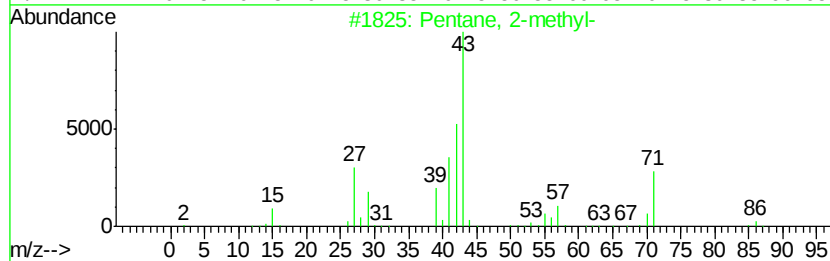
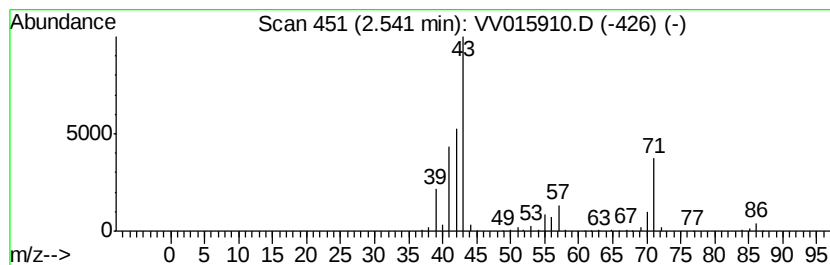
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.54 | 9.72 ug/L | 756047 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pentane, 2-methyl-                 | 86  | C6H14     | 000107-83-5  | 91   |
| 2    |    | Pentane, 2-methyl-                 | 86  | C6H14     | 000107-83-5  | 91   |
| 3    |    | Butane, 2,3-dimethyl-              | 86  | C6H14     | 000079-29-8  | 59   |
| 4    |    | Butane, 2,3-dimethyl-              | 86  | C6H14     | 000079-29-8  | 53   |
| 5    |    | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 40   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

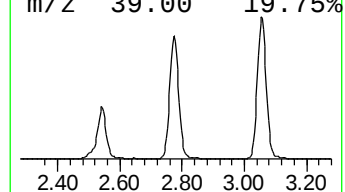
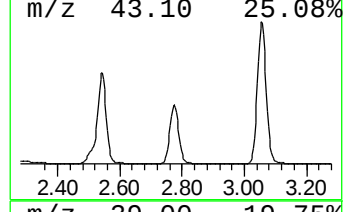
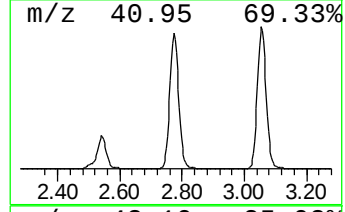
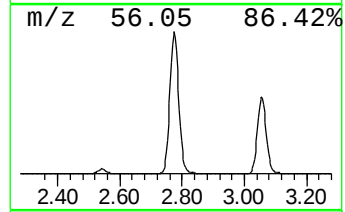
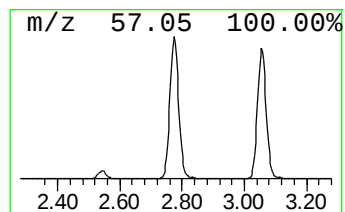
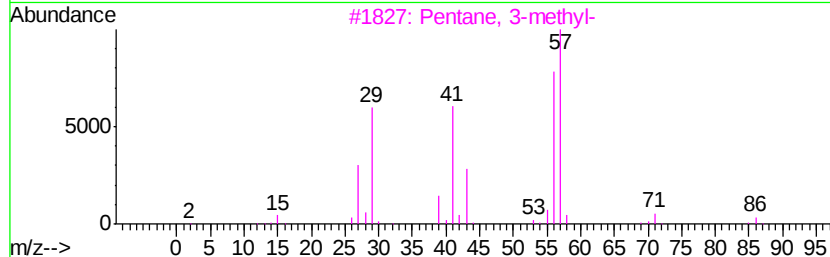
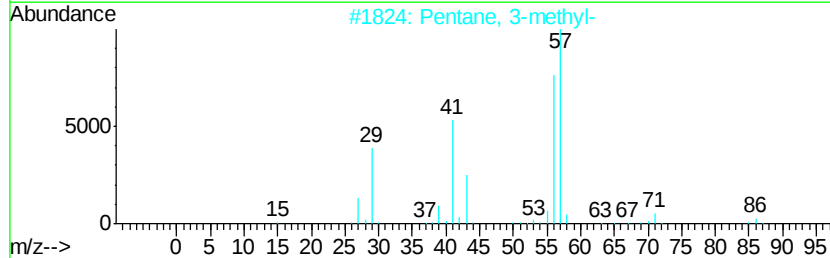
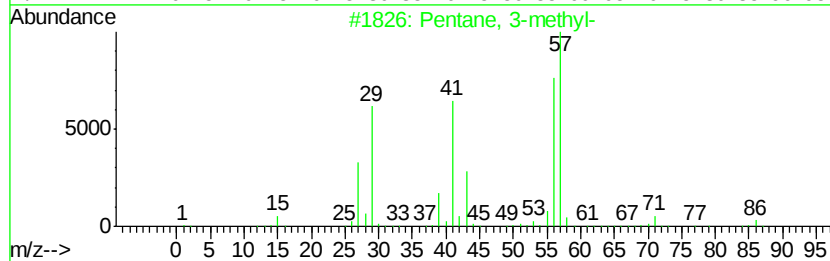
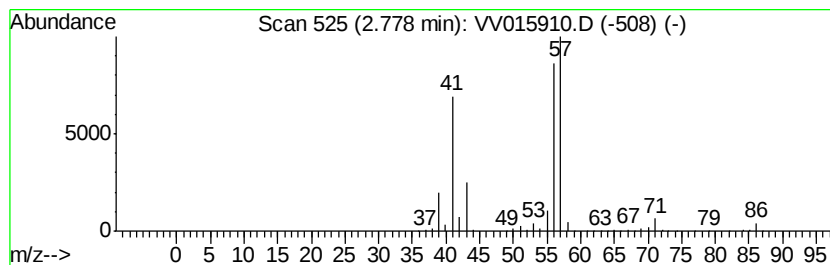
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 2.78 | 25.90 ug/L | 2015070 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 3-methyl-       | 86  | C6H14   | 000096-14-0 | 91   |
| 2    |    | Pentane, 3-methyl-       | 86  | C6H14   | 000096-14-0 | 91   |
| 3    |    | Pentane, 3-methyl-       | 86  | C6H14   | 000096-14-0 | 90   |
| 4    |    | Hexane, 2,2,3-trimethyl- | 128 | C9H20   | 016747-25-4 | 78   |
| 5    |    | Hexane, 2,2,3-trimethyl- | 128 | C9H20   | 016747-25-4 | 43   |



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Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

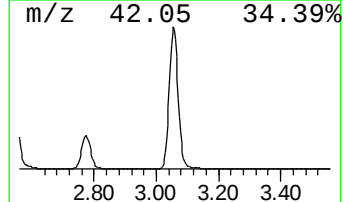
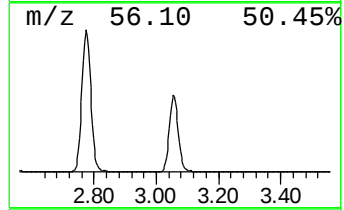
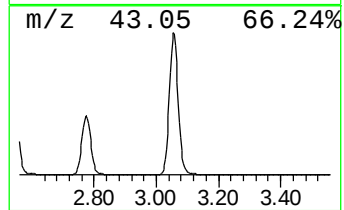
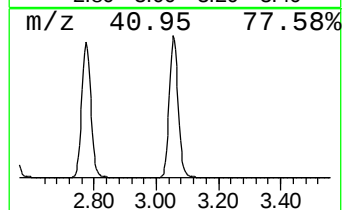
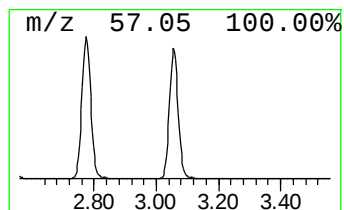
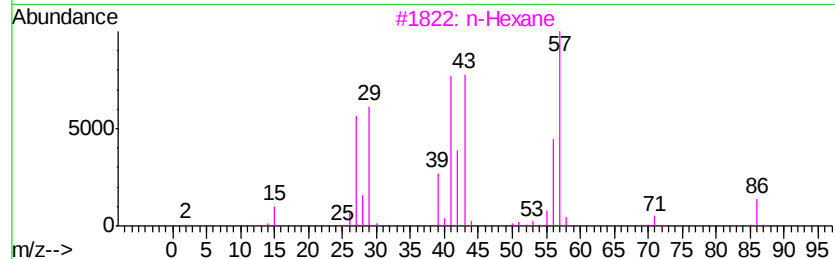
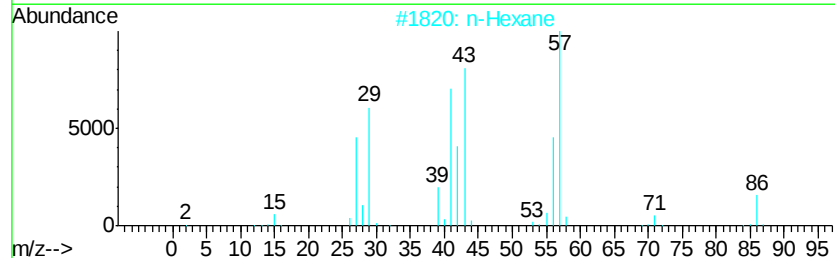
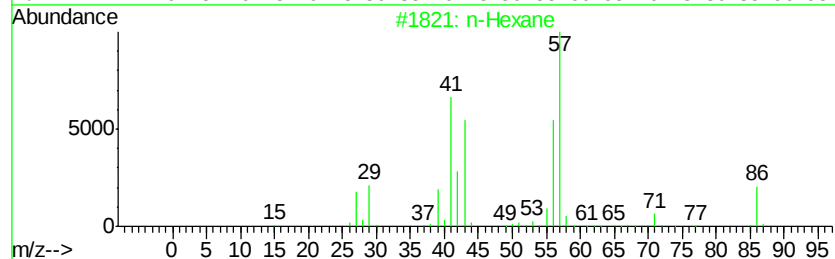
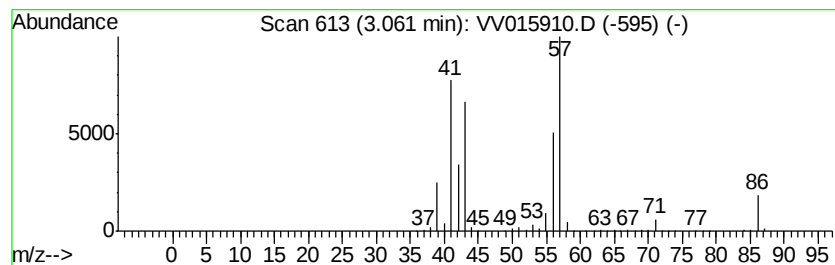
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 3.06 | 27.59 ug/L | 2146600 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | n-Hexane                      | 86  | C6H14   | 000110-54-3 | 94   |
| 2    |    | n-Hexane                      | 86  | C6H14   | 000110-54-3 | 91   |
| 3    |    | n-Hexane                      | 86  | C6H14   | 000110-54-3 | 78   |
| 4    |    | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20   | 001186-53-4 | 38   |
| 5    |    | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20   | 001186-53-4 | 38   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

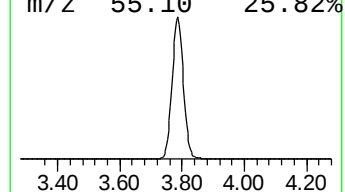
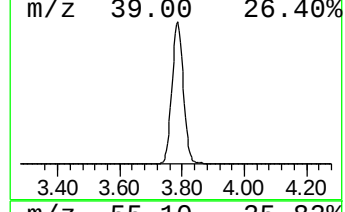
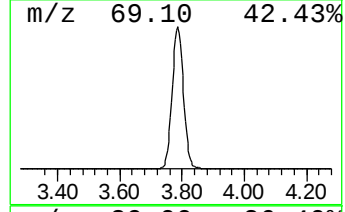
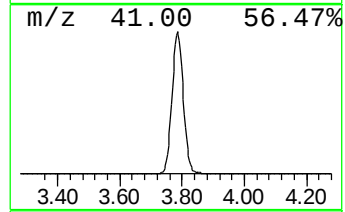
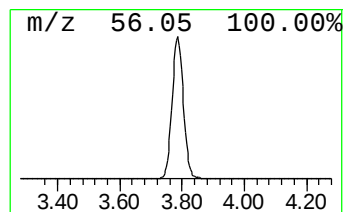
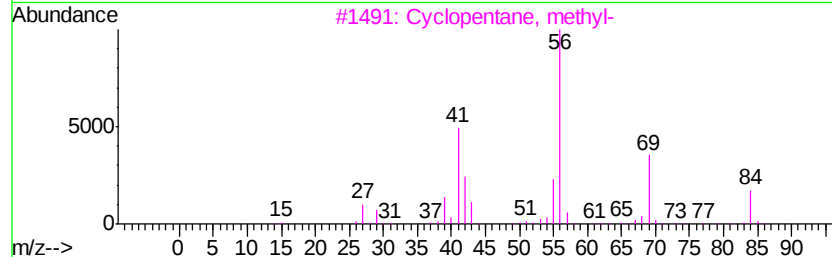
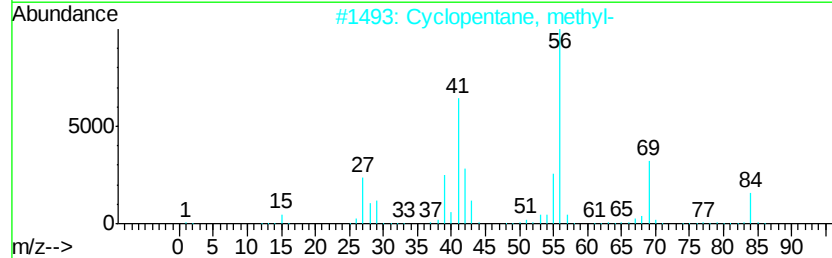
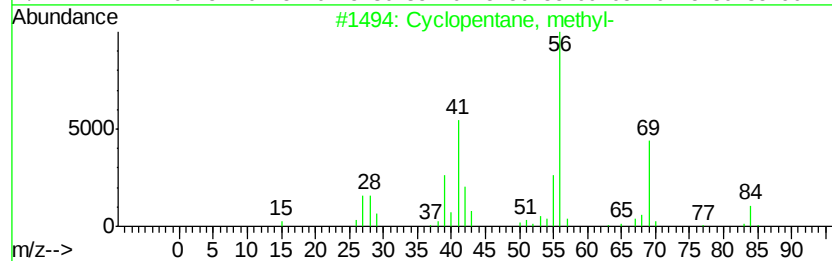
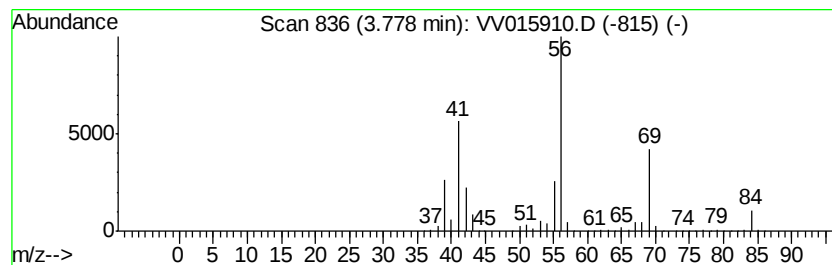
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Cyclic3.78 Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 3.78 | 102.78 ug/L | 7997000 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-       | 84 | C6H12   | 000096-37-7 | 94   |
| 2    |    | Cyclopentane, methyl-       | 84 | C6H12   | 000096-37-7 | 91   |
| 3    |    | Cyclopentane, methyl-       | 84 | C6H12   | 000096-37-7 | 78   |
| 4    |    | Cyclobutane, ethyl-         | 84 | C6H12   | 004806-61-5 | 72   |
| 5    |    | Cyclopentane, 1,1-dimethyl- | 98 | C7H14   | 001638-26-2 | 72   |



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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... | 2.54 | 9.7     | ug/L  | 756047   | 1                     | 5.64 | 389030 | 5.0  |
| (DEL) Alkane: Str... | 2.78 | 25.9    | ug/L  | 2015070  | 1                     | 5.64 | 389030 | 5.0  |
| (DEL) Alkane: Str... | 3.06 | 27.6    | ug/L  | 2146600  | 1                     | 5.64 | 389030 | 5.0  |
| (DEL) Alkane: Cyc... | 3.78 | 102.8   | ug/L  | 7997000  | 1                     | 5.64 | 389030 | 5.0  |