

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062023\  
 Data File : VU054625.D  
 Acq On : 20 Jun 2023 21:13  
 Operator : MD/SY  
 Sample : 03326-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCA37

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\SFAMUTR060723WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU054625.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         | 1.361       | 15            | 22          | 40           | rVV2     | 297841         | 332615        | 32.24%          | 2.819%        |
| 2         | 1.444       | 43            | 48          | 54           | rVV      | 24740          | 25811         | 2.50%           | 0.219%        |
| 3         | 1.486       | 54            | 61          | 79           | rVB2     | 125415         | 163730        | 15.87%          | 1.388%        |
| 4         | 1.602       | 87            | 97          | 109          | rBV      | 343937         | 409864        | 39.73%          | 3.473%        |
| 5         | 1.689       | 117           | 124         | 137          | rBV      | 61840          | 85951         | 8.33%           | 0.728%        |
| 6         | 1.792       | 151           | 156         | 168          | rVB      | 20813          | 25206         | 2.44%           | 0.214%        |
| 7         | 1.914       | 186           | 194         | 206          | rBV      | 124391         | 165393        | 16.03%          | 1.402%        |
| 8         | 1.994       | 212           | 219         | 230          | rVB      | 64791          | 88734         | 8.60%           | 0.752%        |
| 9         | 2.155       | 263           | 269         | 276          | rBV3     | 13063          | 17124         | 1.66%           | 0.145%        |
| 10        | 2.203       | 277           | 284         | 293          | rVB      | 64364          | 87272         | 8.46%           | 0.740%        |
| 11        | 2.567       | 382           | 397         | 413          | rBV      | 232224         | 389951        | 37.80%          | 3.305%        |
| 12        | 3.042       | 535           | 545         | 549          | rBV5     | 6681           | 11269         | 1.09%           | 0.095%        |
| 13        | 3.084       | 551           | 558         | 568          | rVB3     | 10066          | 18553         | 1.80%           | 0.157%        |
| 14        | 3.357       | 629           | 643         | 655          | rBV6     | 23015          | 47549         | 4.61%           | 0.403%        |
| 15        | 3.583       | 704           | 713         | 727          | rVB7     | 6080           | 12868         | 1.25%           | 0.109%        |
| 16        | 3.698       | 733           | 749         | 763          | rBV5     | 15356          | 38534         | 3.74%           | 0.327%        |
| 17        | 3.991       | 829           | 840         | 851          | rBV4     | 4441           | 11032         | 1.07%           | 0.093%        |
| 18        | 4.660       | 1026          | 1048        | 1079         | rBV2     | 269788         | 916110        | 88.80%          | 7.763%        |
| 19        | 4.814       | 1088          | 1096        | 1112         | rVB2     | 8799           | 20647         | 2.00%           | 0.175%        |
| 20        | 5.058       | 1156          | 1172        | 1198         | rVB2     | 190380         | 445525        | 43.18%          | 3.776%        |
| 21        | 5.383       | 1256          | 1273        | 1286         | rBV6     | 17815          | 42736         | 4.14%           | 0.362%        |
| 22        | 5.589       | 1324          | 1337        | 1348         | rBV6     | 8394           | 18162         | 1.76%           | 0.154%        |
| 23        | 5.724       | 1357          | 1379        | 1391         | rBV2     | 380795         | 1003372       | 97.26%          | 8.503%        |
| 24        | 6.136       | 1497          | 1507        | 1517         | rBV8     | 7833           | 14880         | 1.44%           | 0.126%        |
| 25        | 6.245       | 1524          | 1541        | 1564         | rBV      | 430512         | 836229        | 81.06%          | 7.086%        |
| 26        | 6.537       | 1618          | 1632        | 1651         | rBV      | 305594         | 577803        | 56.01%          | 4.896%        |
| 27        | 6.685       | 1665          | 1678        | 1692         | rBV      | 240770         | 475495        | 46.09%          | 4.030%        |
| 28        | 6.759       | 1694          | 1701        | 1712         | rVB7     | 18867          | 36590         | 3.55%           | 0.310%        |
| 29        | 6.881       | 1726          | 1739        | 1748         | rBV10    | 6019           | 13396         | 1.30%           | 0.114%        |
| 30        | 7.563       | 1936          | 1951        | 1973         | rBV2     | 114464         | 215129        | 20.85%          | 1.823%        |
| 31        | 7.894       | 2041          | 2054        | 2068         | rBV      | 446829         | 780939        | 75.70%          | 6.618%        |
| 32        | 7.965       | 2068          | 2076        | 2087         | rVB      | 43885          | 78747         | 7.63%           | 0.667%        |
| 33        | 8.177       | 2131          | 2142        | 2156         | rBV      | 71105          | 124573        | 12.07%          | 1.056%        |
| 34        | 8.631       | 2270          | 2283        | 2313         | rBV2     | 485156         | 998405        | 96.77%          | 8.461%        |
| 35        | 8.785       | 2324          | 2331        | 2347         | rVB5     | 19846          | 37054         | 3.59%           | 0.314%        |
| 36        | 9.412       | 2514          | 2526        | 2549         | rBV      | 590618         | 1031677       | 100.00%         | 8.743%        |

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

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\SFAMUTR060723WMA.M  
Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 9.569  | 2567 | 2575 | 2584 | rBV2 | 12157  | 17290  | 1.68%  | 0.147% |
| 38 | 9.688  | 2606 | 2612 | 2623 | rVB2 | 10861  | 19911  | 1.93%  | 0.169% |
| 39 | 10.100 | 2731 | 2740 | 2753 | rVB4 | 9673   | 18223  | 1.77%  | 0.154% |
| 40 | 10.344 | 2808 | 2816 | 2831 | rVB8 | 12634  | 23085  | 2.24%  | 0.196% |
| 41 | 10.753 | 2931 | 2943 | 2956 | rBV  | 165483 | 268225 | 26.00% | 2.273% |
| 42 | 11.685 | 3224 | 3233 | 3243 | rVB5 | 29079  | 43676  | 4.23%  | 0.370% |
| 43 | 11.807 | 3258 | 3271 | 3289 | rBV  | 584243 | 955027 | 92.57% | 8.093% |
| 44 | 12.187 | 3377 | 3389 | 3409 | rBV  | 410103 | 679546 | 65.87% | 5.759% |
| 45 | 12.881 | 3596 | 3605 | 3618 | rBV3 | 58562  | 98564  | 9.55%  | 0.835% |
| 46 | 13.981 | 3938 | 3947 | 3957 | rBV3 | 26094  | 39254  | 3.80%  | 0.333% |
| 47 | 16.338 | 4672 | 4680 | 4688 | rBV3 | 26874  | 38614  | 3.74%  | 0.327% |

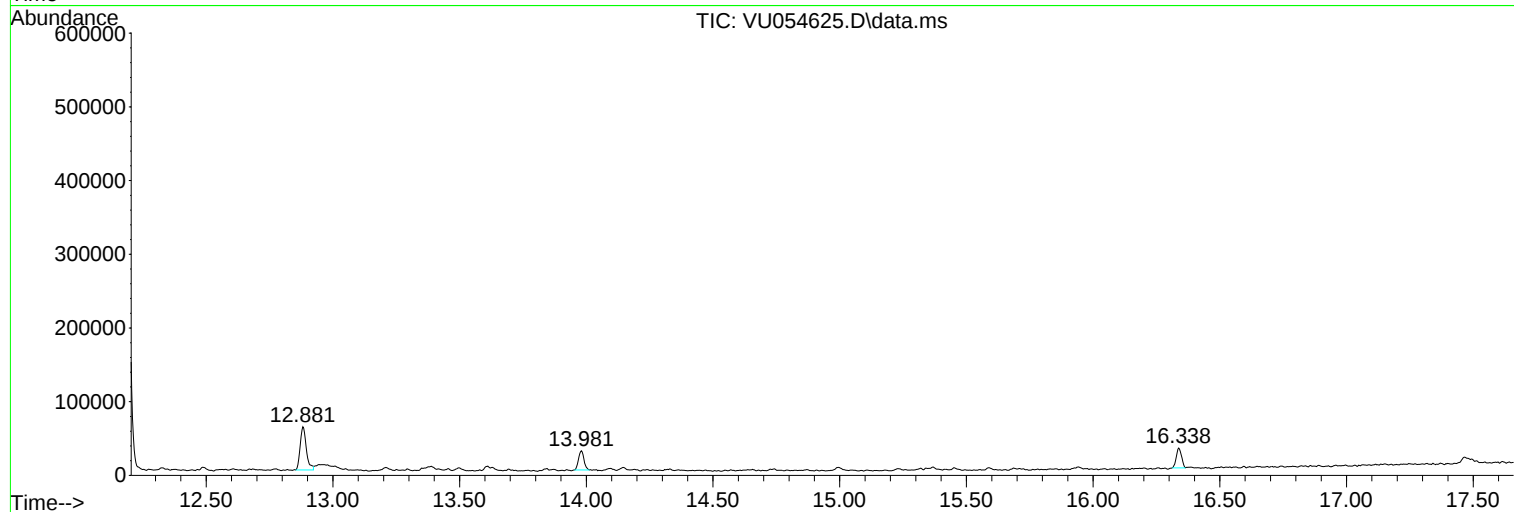
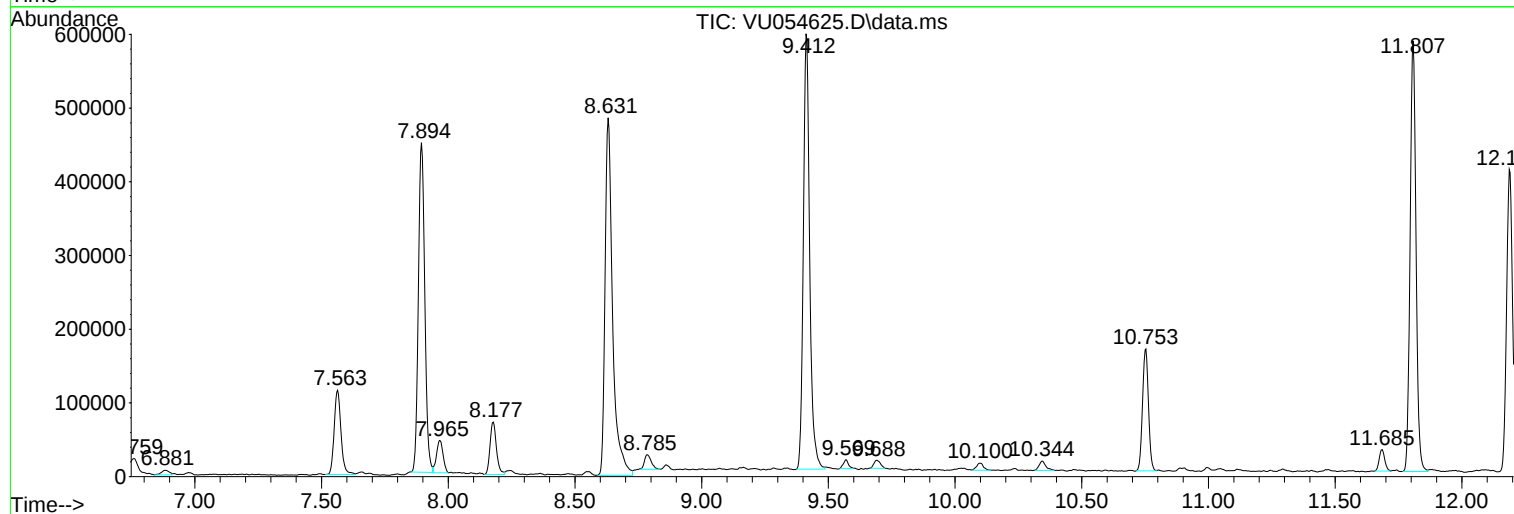
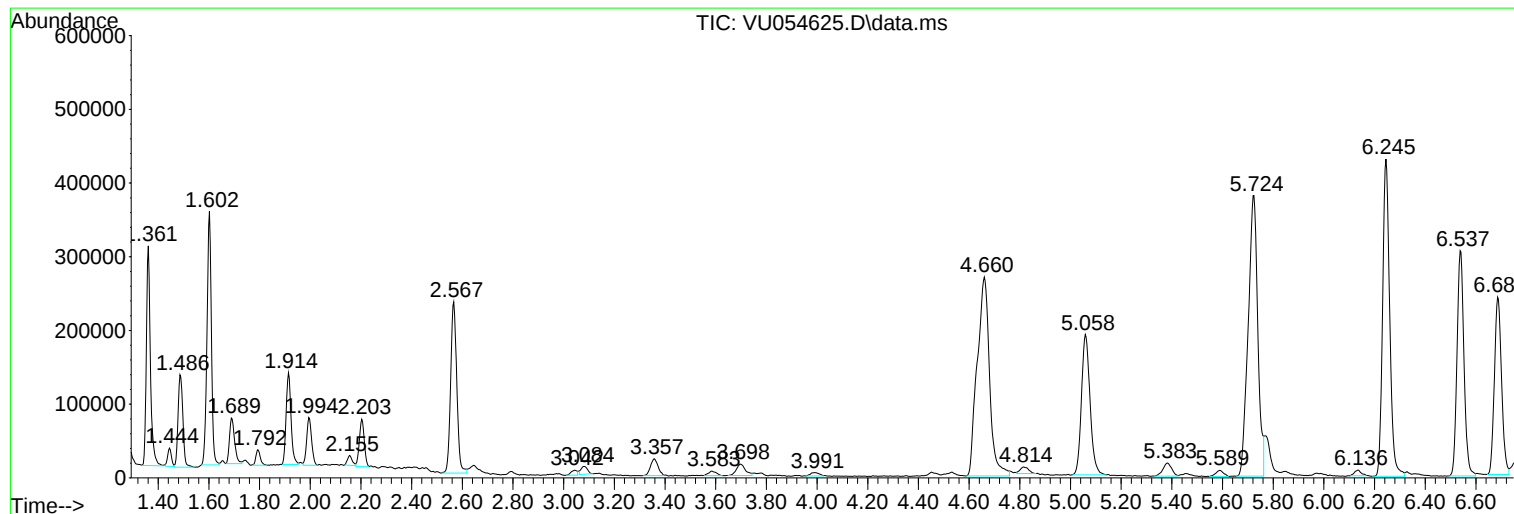
Sum of corrected areas: 11800340

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062023\  
Data File : VU054625.D  
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Sample : 03326-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
Quant Title : TRACE VOA SFAM1.0

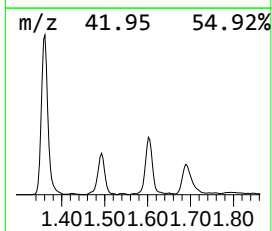
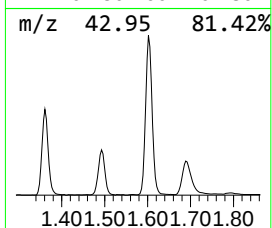
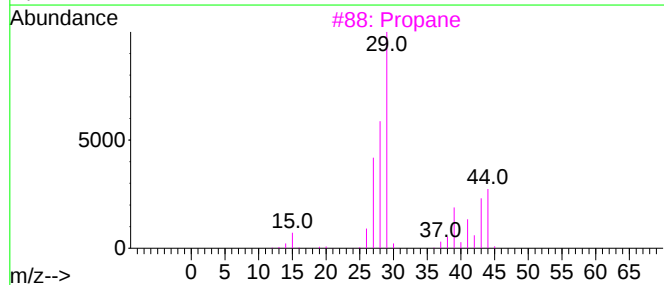
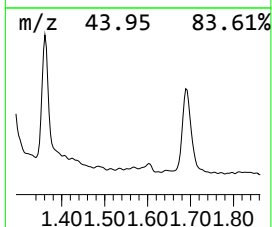
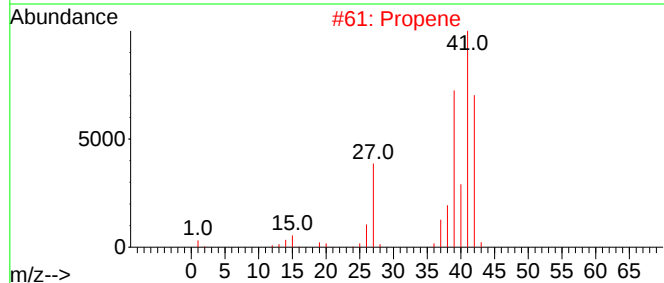
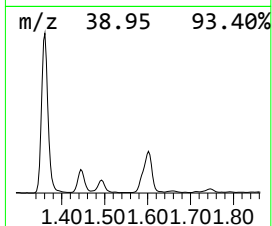
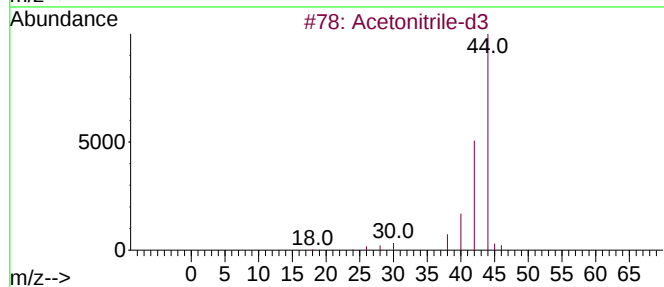
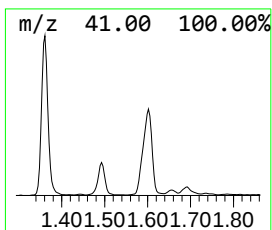
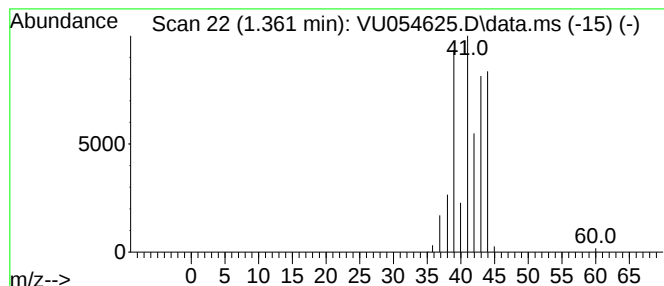
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.361 | 1.99 ug/L | 332615 | 1,4-Difluorobenzene | 6.245 |

| Hit# | of              | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-----------------|---|--------------|----|---------|-------------|------|
| 1    | Acetonitrile-d3 |   |              | 44 | C2D3N   | 002206-26-0 | 7    |
| 2    | Propene         |   |              | 42 | C3H6    | 000115-07-1 | 7    |
| 3    | Propane         |   |              | 44 | C3H8    | 000074-98-6 | 5    |
| 4    | Propane         |   |              | 44 | C3H8    | 000074-98-6 | 4    |
| 5    | Cyclopropene    |   |              | 40 | C3H4    | 002781-85-3 | 4    |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

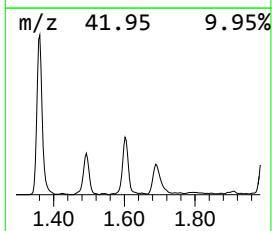
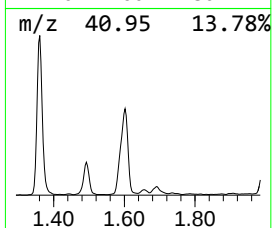
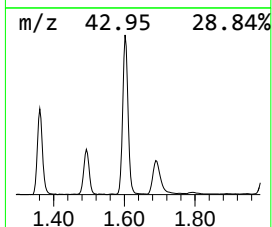
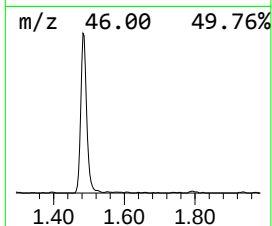
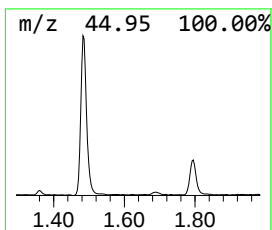
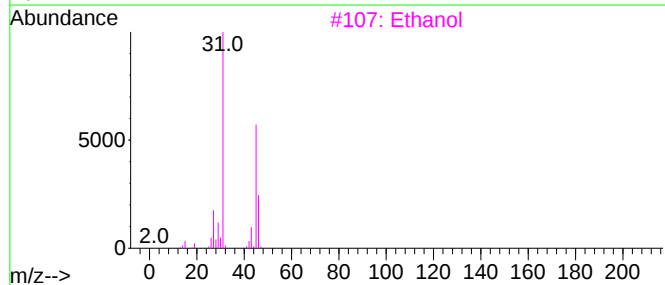
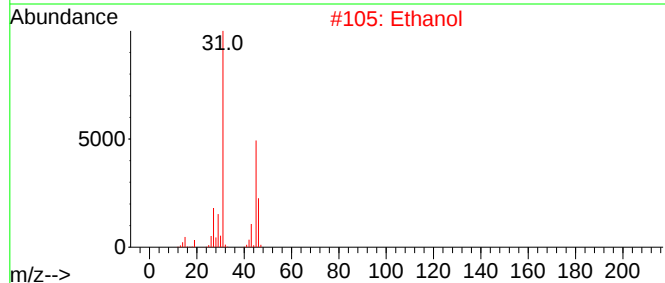
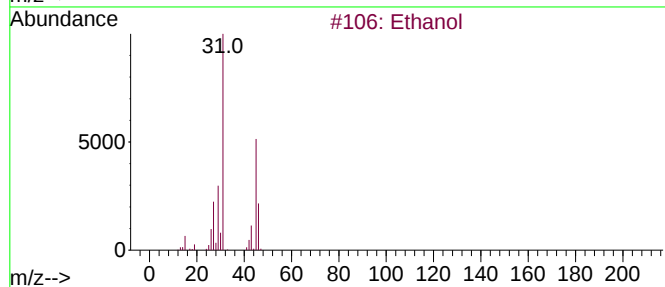
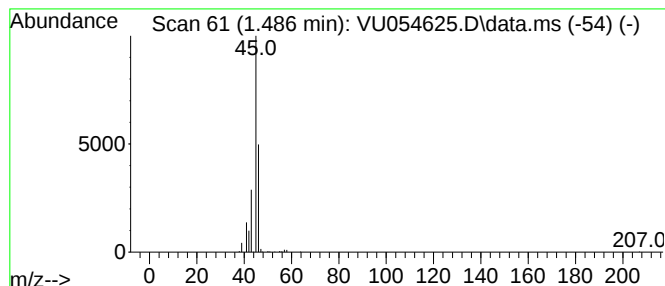
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 Ethanol Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.486 | 0.98 ug/L | 163730 | 1,4-Difluorobenzene | 6.245 |

| Hit# | of             | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----------------|---|--------------|----|---------|-------------|------|
| 1    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 56   |
| 2    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 9    |
| 3    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 9    |
| 4    | Dimethyl ether |   |              | 46 | C2H6O   | 000115-10-6 | 9    |
| 5    | Dimethyl ether |   |              | 46 | C2H6O   | 000115-10-6 | 9    |



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Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

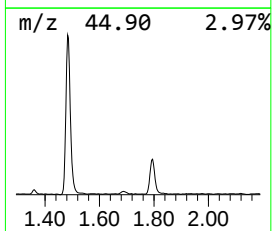
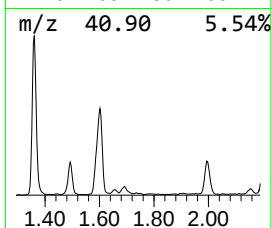
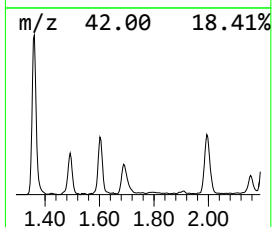
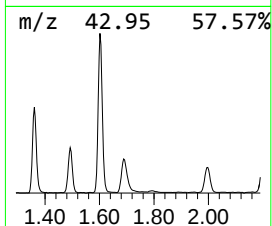
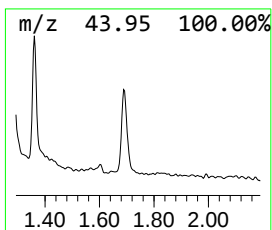
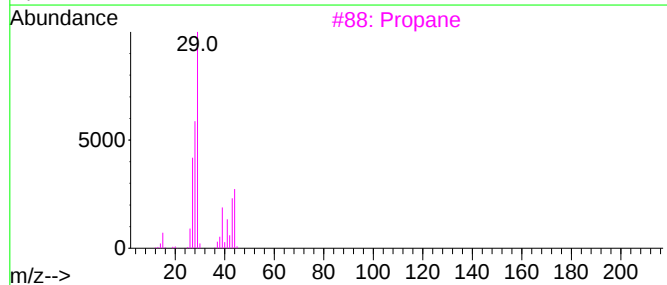
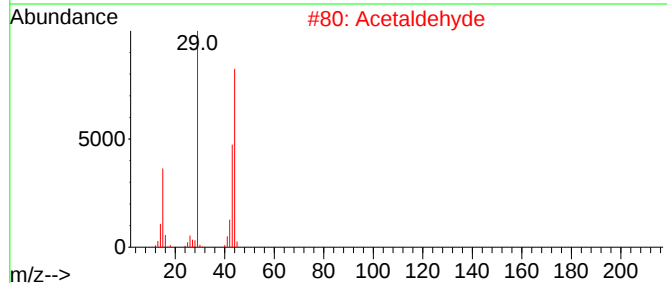
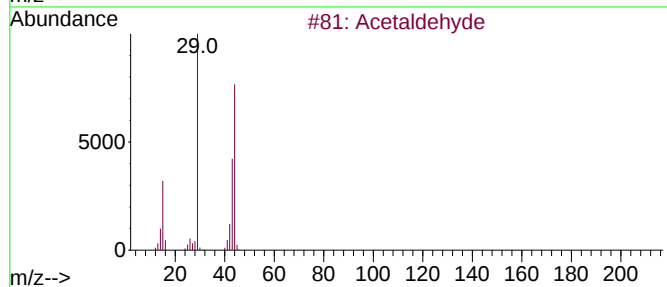
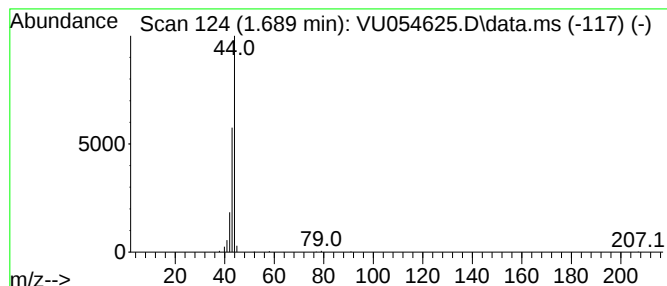
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 3 Acetaldehyde Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.689 | 0.51 ug/L | 85951 | 1,4-Difluorobenzene | 6.245 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 64   |
| 2    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 64   |
| 3    |    |   | Propane        | 44 | C3H8    | 000074-98-6 | 5    |
| 4    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |
| 5    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

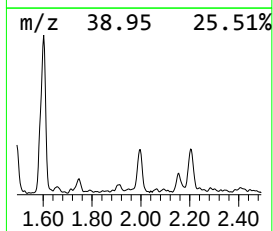
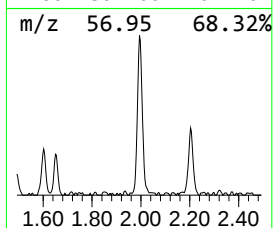
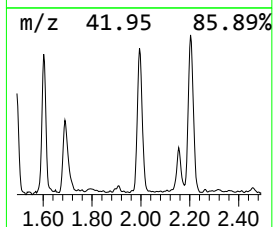
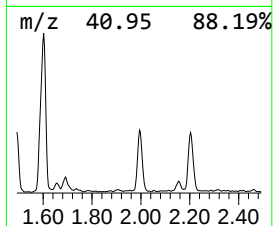
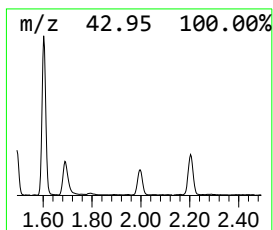
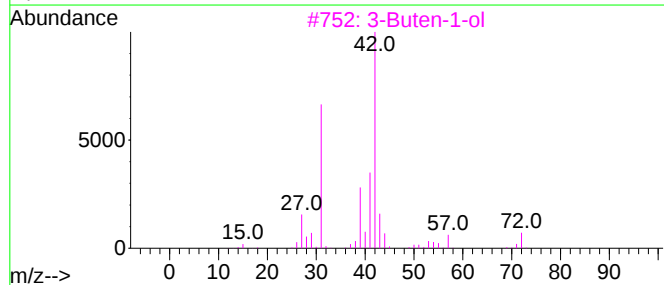
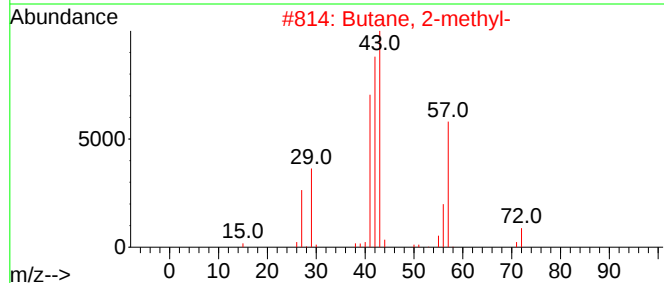
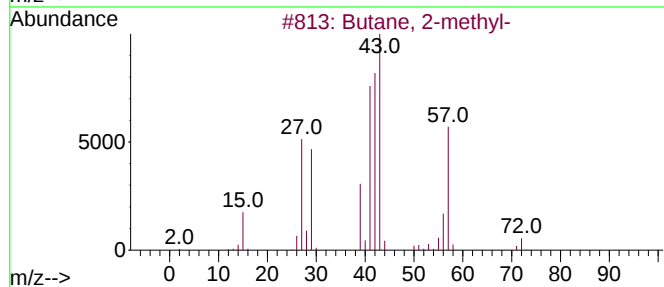
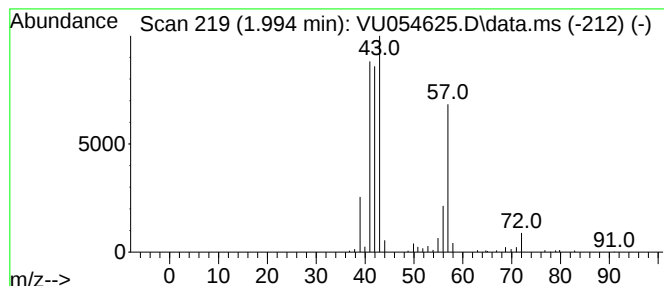
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Quant Title : TRACE VOA SFAM1.0

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

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

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.994 | 0.53 ug/L | 88734 | 1,4-Difluorobenzene | 6.245 |

| Hit# | of | 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|----|---------|-------------|------|
| 1    |    |   | Butane, 2-methyl-           | 72 | C5H12   | 000078-78-4 | 91   |
| 2    |    |   | Butane, 2-methyl-           | 72 | C5H12   | 000078-78-4 | 86   |
| 3    |    |   | 3-Buten-1-ol                | 72 | C4H8O   | 000627-27-0 | 43   |
| 4    |    |   | Methanamine, N-pentylidene- | 99 | C6H13N  | 010599-75-4 | 28   |
| 5    |    |   | Pentane                     | 72 | C5H12   | 000109-66-0 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062023\  
Data File : VU054625.D  
Acq On : 20 Jun 2023 21:13  
Operator : MD/SY  
Sample : 03326-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

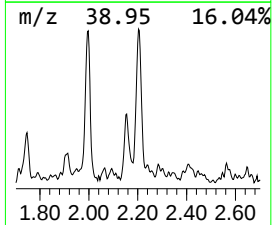
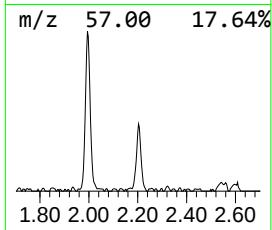
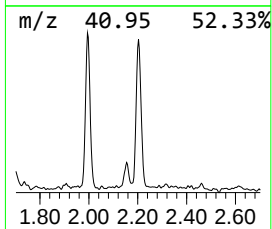
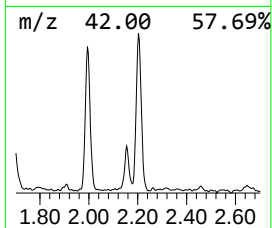
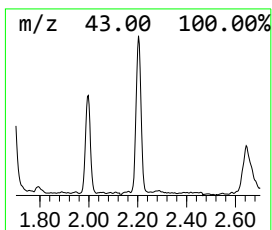
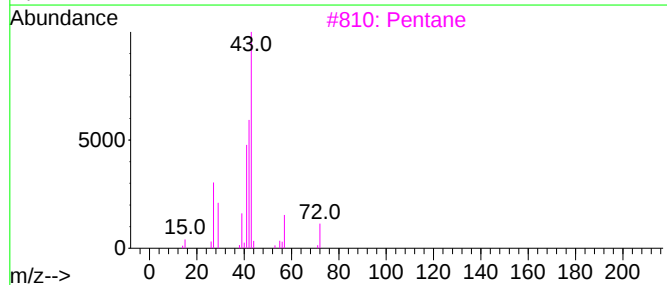
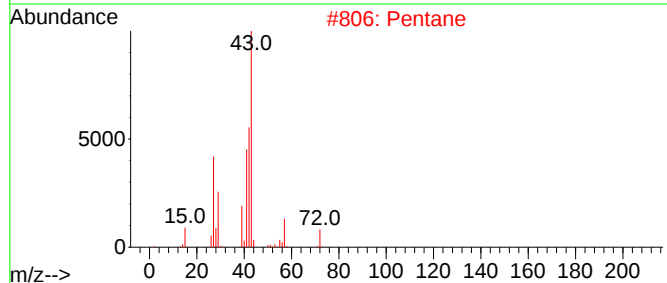
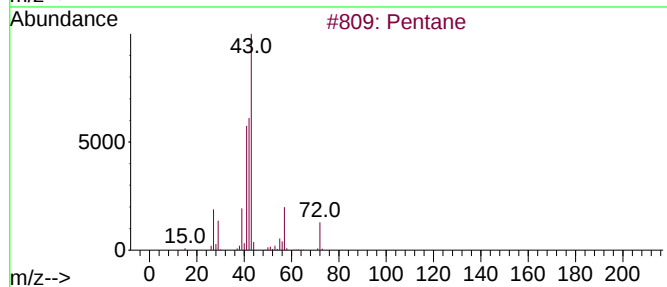
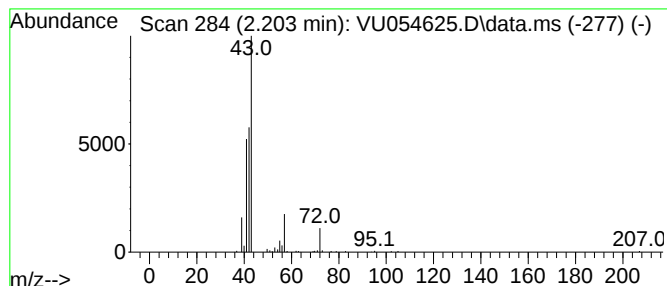
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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.203 | 0.52 ug/L | 87272 | 1,4-Difluorobenzene | 6.245 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|-----------|--------------|----|---------|-------------|------|
| 1         | Pentane      | 72 | C5H12   | 000109-66-0 | 87   |
| 2         | Pentane      | 72 | C5H12   | 000109-66-0 | 86   |
| 3         | Pentane      | 72 | C5H12   | 000109-66-0 | 86   |
| 4         | Pentane      | 72 | C5H12   | 000109-66-0 | 86   |
| 5         | Pentane      | 72 | C5H12   | 000109-66-0 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062023\  
Data File : VU054625.D  
Acq On : 20 Jun 2023 21:13  
Operator : MD/SY  
Sample : 03326-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

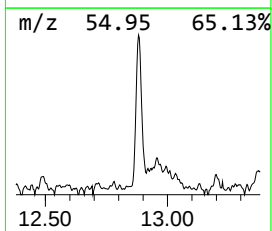
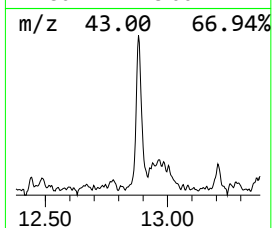
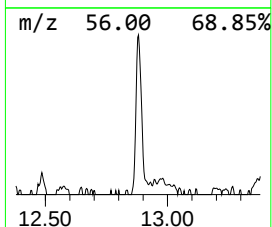
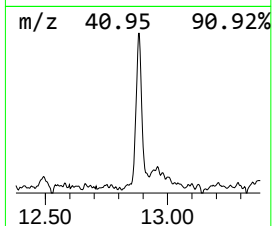
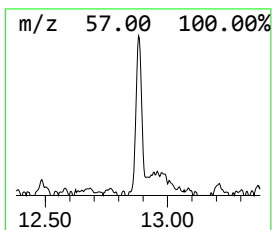
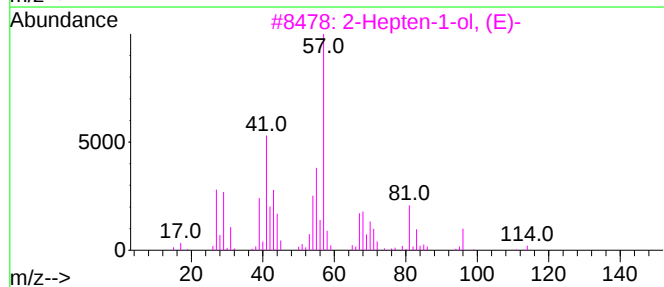
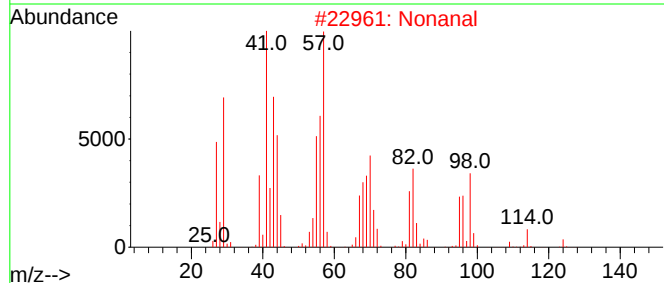
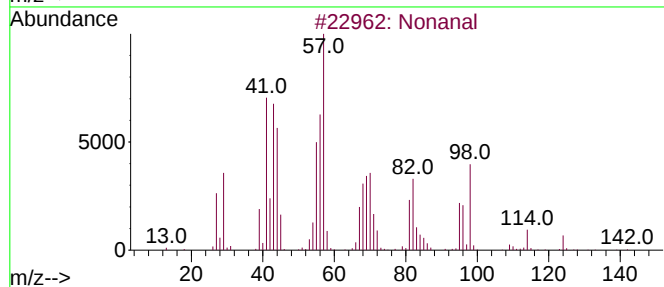
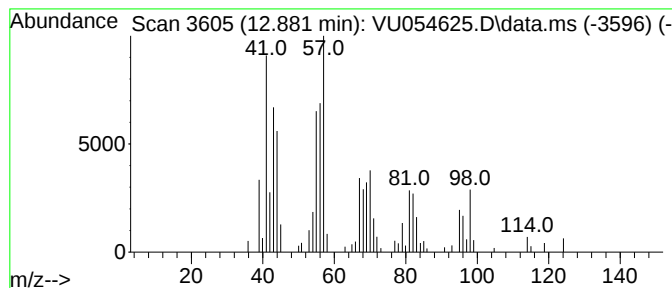
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 7 Nonanal Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.881 | 0.52 ug/L | 98564 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Nonanal                             | 142 | C9H18O     | 000124-19-6 | 90   |
| 2    |    |   | Nonanal                             | 142 | C9H18O     | 000124-19-6 | 80   |
| 3    |    |   | 2-Hepten-1-ol, (E)-                 | 114 | C7H14O     | 033467-76-4 | 43   |
| 4    |    |   | Bromoacetic acid, 10-undecenyl e... | 290 | C13H23BrO2 | 195373-65-0 | 38   |
| 5    |    |   | trans-2-Undecen-1-ol                | 170 | C11H22O    | 075039-84-8 | 38   |



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Sample : 03326-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCA37

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| unknown-01         | 1.361  | 2.0     | ug/L  | 332615   | 1                     | 6.245  | 836229 | 5.0  |
| Ethanol            | 1.486  | 1.0     | ug/L  | 163730   | 1                     | 6.245  | 836229 | 5.0  |
| Acetaldehyde       | 1.689  | 0.5     | ug/L  | 85951    | 1                     | 6.245  | 836229 | 5.0  |
| (DEL) Alkane: S... | 1.994  | 0.5     | ug/L  | 88734    | 1                     | 6.245  | 836229 | 5.0  |
| (DEL) Alkane: S... | 2.203  | 0.5     | ug/L  | 87272    | 1                     | 6.245  | 836229 | 5.0  |
| Nonanal            | 12.881 | 0.5     | ug/L  | 98564    | 3                     | 11.807 | 955027 | 5.0  |