

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\  
 Data File : VU038415.D  
 Acq On : 30 May 2020 16:01  
 Operator : JC/MD  
 Sample : L2766-06DL 2X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BE4Y9DL

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\SOMUTR053120WMA.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         | 1.613       | 75            | 85          | 93           | rBV      | 160820         | 183410        | 8.67%           | 1.203%        |
| 2         | 1.932       | 176           | 184         | 201          | rVB2     | 126385         | 177849        | 8.41%           | 1.167%        |
| 3         | 2.401       | 321           | 330         | 349          | rVB      | 60608          | 94694         | 4.48%           | 0.621%        |
| 4         | 2.594       | 377           | 390         | 405          | rBV      | 257807         | 427313        | 20.21%          | 2.803%        |
| 5         | 3.115       | 544           | 552         | 565          | rVB4     | 28235          | 57011         | 2.70%           | 0.374%        |
| 6         | 3.395       | 622           | 639         | 657          | rBV3     | 68894          | 151711        | 7.18%           | 0.995%        |
| 7         | 3.735       | 728           | 745         | 764          | rBV5     | 20294          | 47383         | 2.24%           | 0.311%        |
| 8         | 4.034       | 819           | 838         | 865          | rBV      | 229330         | 602544        | 28.50%          | 3.952%        |
| 9         | 4.568       | 986           | 1004        | 1021         | rBV3     | 104940         | 255963        | 12.11%          | 1.679%        |
| 10        | 4.671       | 1021          | 1036        | 1072         | rVV      | 222745         | 627014        | 29.66%          | 4.113%        |
| 11        | 5.102       | 1153          | 1170        | 1192         | rBV      | 231772         | 513069        | 24.27%          | 3.365%        |
| 12        | 5.420       | 1250          | 1269        | 1283         | rBV5     | 15499          | 36482         | 1.73%           | 0.239%        |
| 13        | 5.761       | 1352          | 1375        | 1381         | rBV2     | 448896         | 1142676       | 54.04%          | 7.495%        |
| 14        | 5.809       | 1381          | 1390        | 1417         | rVV      | 1019759        | 2114344       | 100.00%         | 13.868%       |
| 15        | 5.928       | 1421          | 1427        | 1443         | rVB7     | 10126          | 22725         | 1.07%           | 0.149%        |
| 16        | 6.282       | 1520          | 1537        | 1573         | rBV      | 390339         | 775090        | 36.66%          | 5.084%        |
| 17        | 6.719       | 1659          | 1673        | 1688         | rBV      | 274637         | 539283        | 25.51%          | 3.537%        |
| 18        | 7.591       | 1931          | 1944        | 1962         | rBV      | 145338         | 259010        | 12.25%          | 1.699%        |
| 19        | 7.922       | 2027          | 2047        | 2063         | rBV      | 538781         | 951774        | 45.02%          | 6.243%        |
| 20        | 8.201       | 2119          | 2134        | 2146         | rBV      | 91662          | 154301        | 7.30%           | 1.012%        |
| 21        | 8.655       | 2263          | 2275        | 2306         | rBV      | 844175         | 1522165       | 71.99%          | 9.984%        |
| 22        | 9.436       | 2504          | 2518        | 2523         | rBV      | 575743         | 992976        | 46.96%          | 6.513%        |
| 23        | 9.709       | 2590          | 2603        | 2618         | rBV2     | 25102          | 45225         | 2.14%           | 0.297%        |
| 24        | 10.500      | 2839          | 2849        | 2858         | rBV2     | 24987          | 37201         | 1.76%           | 0.244%        |
| 25        | 10.770      | 2917          | 2933        | 2946         | rBV      | 216390         | 350568        | 16.58%          | 2.299%        |
| 26        | 10.906      | 2963          | 2975        | 2993         | rBV6     | 30445          | 67806         | 3.21%           | 0.445%        |
| 27        | 11.044      | 3009          | 3018        | 3028         | rVB4     | 34722          | 58135         | 2.75%           | 0.381%        |
| 28        | 11.304      | 3088          | 3099        | 3116         | rVB      | 57651          | 97133         | 4.59%           | 0.637%        |
| 29        | 11.825      | 3248          | 3261        | 3278         | rBV      | 632548         | 1121125       | 53.02%          | 7.354%        |
| 30        | 11.902      | 3278          | 3285        | 3295         | rVB5     | 17797          | 29606         | 1.40%           | 0.194%        |
| 31        | 12.105      | 3336          | 3348        | 3361         | rBV      | 98449          | 156057        | 7.38%           | 1.024%        |
| 32        | 12.204      | 3366          | 3379        | 3400         | rVB2     | 613832         | 1105592       | 52.29%          | 7.252%        |
| 33        | 12.584      | 3479          | 3497        | 3504         | rBV4     | 17868          | 34353         | 1.62%           | 0.225%        |
| 34        | 12.629      | 3504          | 3511        | 3525         | rVB5     | 14158          | 28628         | 1.35%           | 0.188%        |

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Sample : L2766-06DL 2X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

## 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\SOMUTR053120WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 12.886 | 3582 | 3591 | 3605 | rVB4 | 45891 | 82853 | 3.92% | 0.543% |
| 36 | 12.989 | 3618 | 3623 | 3634 | rVB2 | 27526 | 42504 | 2.01% | 0.279% |
| 37 | 13.272 | 3691 | 3711 | 3719 | rBV4 | 18287 | 34547 | 1.63% | 0.227% |
| 38 | 13.475 | 3764 | 3774 | 3782 | rBV6 | 12860 | 21587 | 1.02% | 0.142% |
| 39 | 13.864 | 3885 | 3895 | 3902 | rBV5 | 14470 | 24621 | 1.16% | 0.161% |
| 40 | 13.934 | 3902 | 3917 | 3924 | rVV5 | 25334 | 67824 | 3.21% | 0.445% |
| 41 | 13.966 | 3924 | 3927 | 3940 | rVB3 | 16566 | 23135 | 1.09% | 0.152% |
| 42 | 14.220 | 3996 | 4006 | 4017 | rVB3 | 24677 | 38792 | 1.83% | 0.254% |
| 43 | 14.314 | 4026 | 4035 | 4046 | rBV2 | 24603 | 39785 | 1.88% | 0.261% |
| 44 | 14.841 | 4191 | 4199 | 4209 | rVB2 | 15633 | 25792 | 1.22% | 0.169% |
| 45 | 15.307 | 4337 | 4344 | 4358 | rVB8 | 12490 | 22513 | 1.06% | 0.148% |
| 46 | 15.458 | 4380 | 4391 | 4403 | rVB6 | 19183 | 41534 | 1.96% | 0.272% |

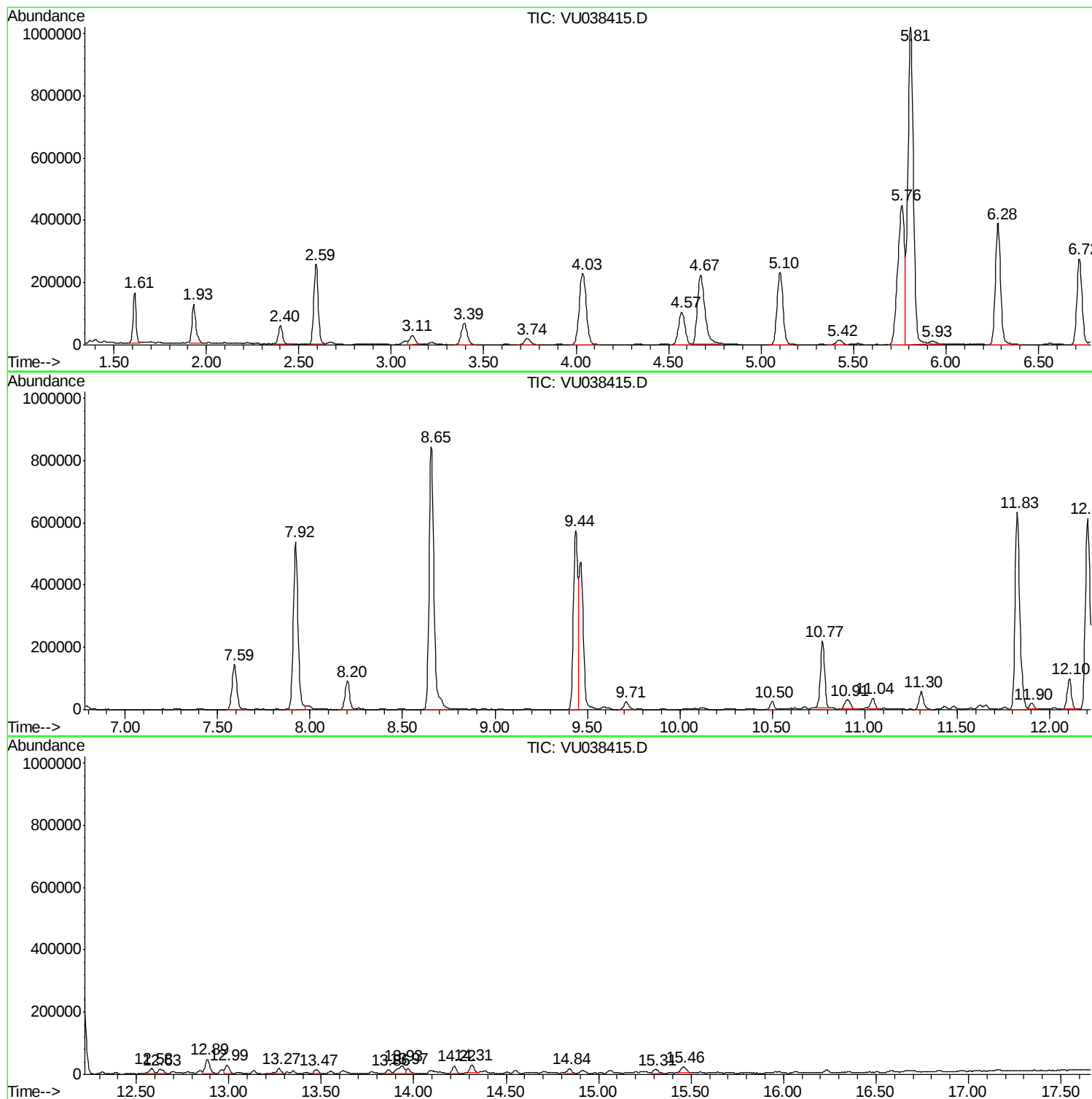
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Sample : L2766-06DL 2X  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
BE4Y9DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.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\VU053120\  
Data File : VU038415.D  
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Sample : L2766-06DL 2X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
BE4Y9DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

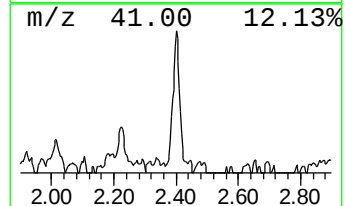
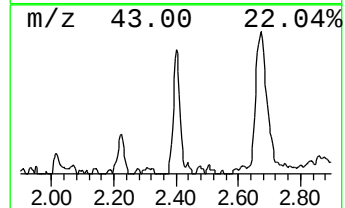
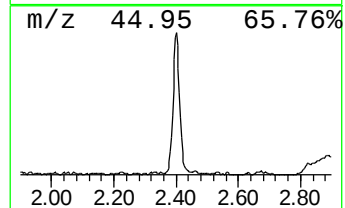
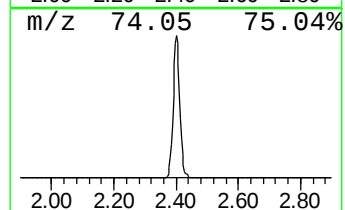
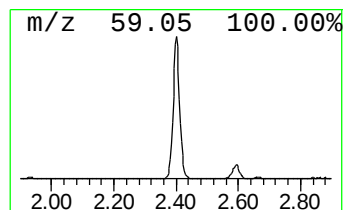
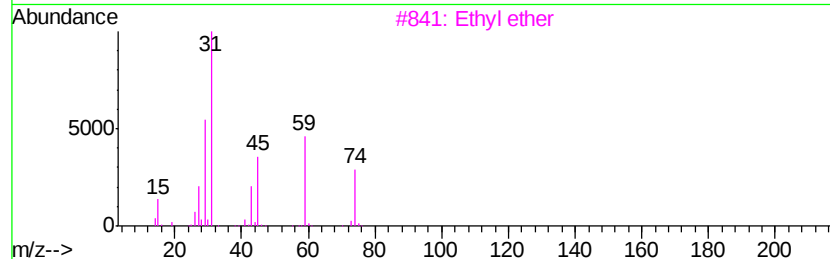
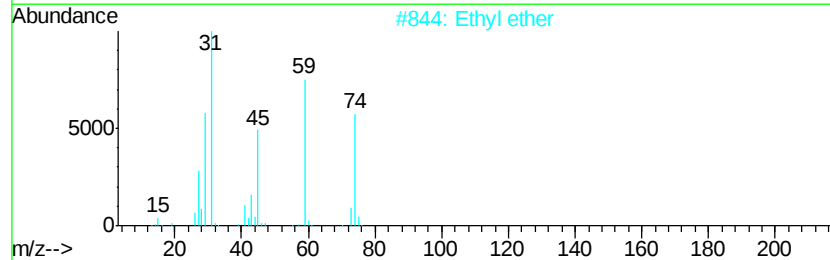
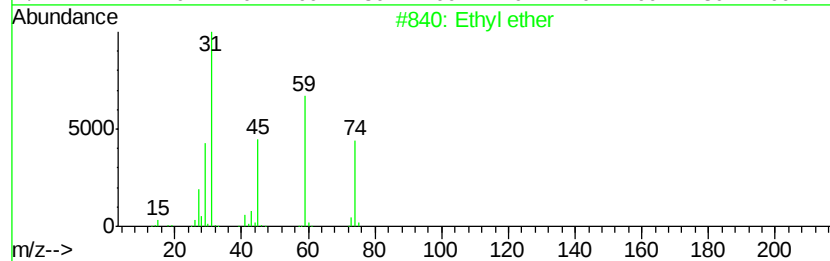
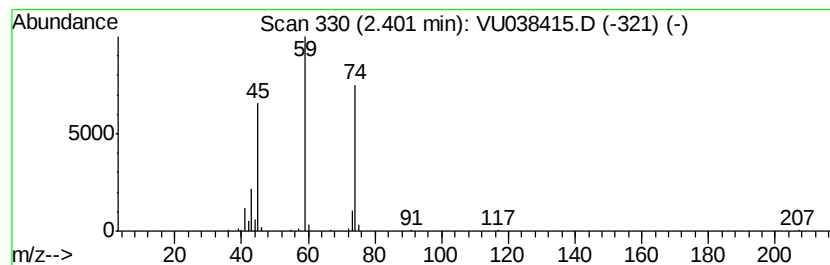
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethyl ether Concentration Rank 6

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.40 | 0.61 ug/L | 94694 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 90   |
| 2    |    | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 90   |
| 3    |    | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 90   |
| 4    |    | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 64   |
| 5    |    | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 56   |



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Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

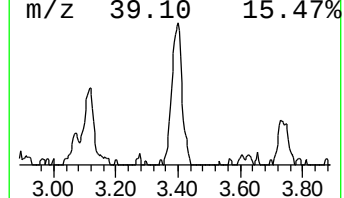
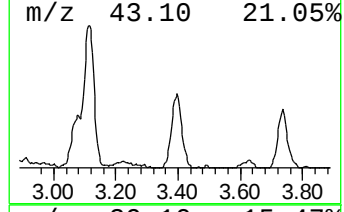
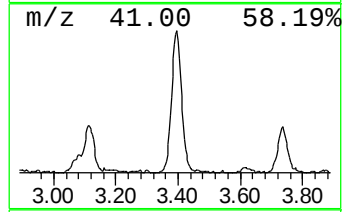
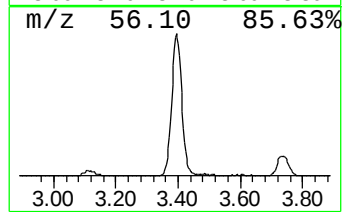
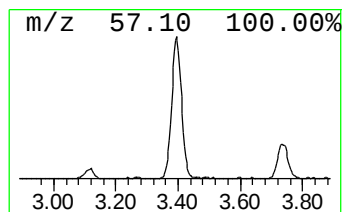
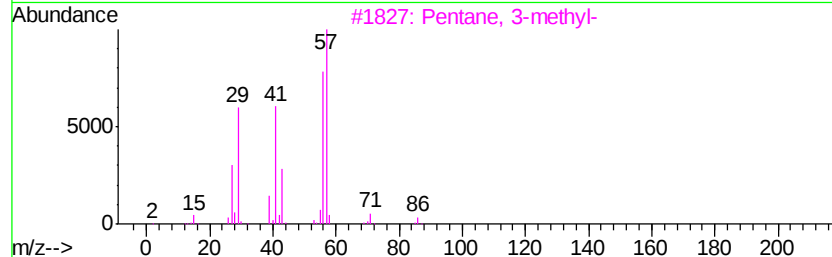
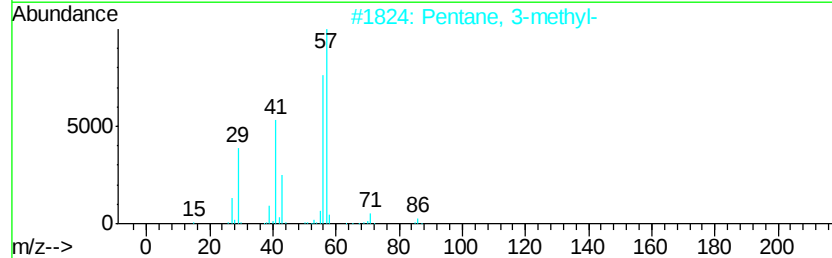
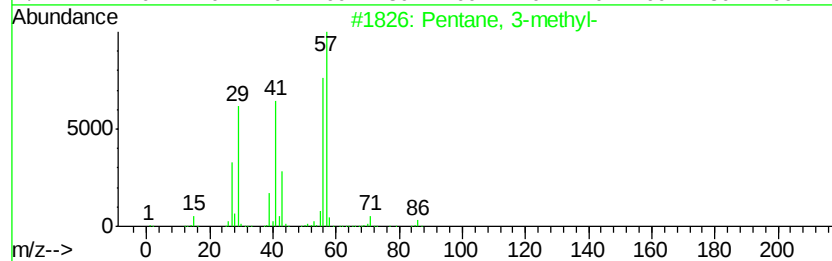
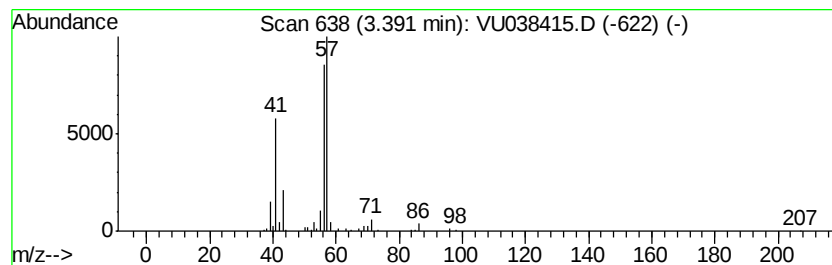
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 3.39 | 0.98 ug/L | 151711 | 1,4-Difluorobenzene | 6.28 |

| 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 | 87   |
| 3    |    | Pentane, 3-methyl-             | 86  | C6H14   | 000096-14-0 | 86   |
| 4    |    | Hexane, 2,2,3-trimethyl-       | 128 | C9H20   | 016747-25-4 | 56   |
| 5    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 56   |



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Sample : L2766-06DL 2X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

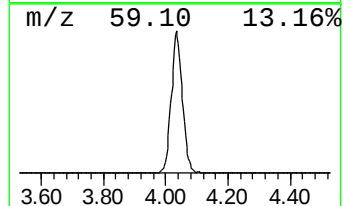
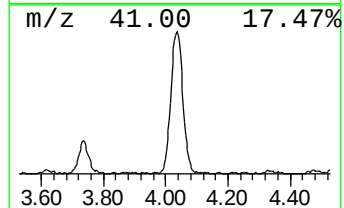
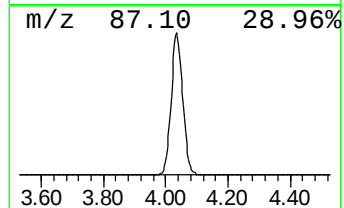
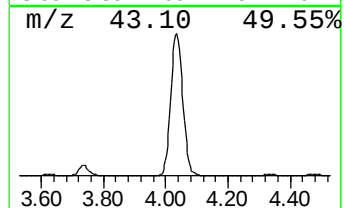
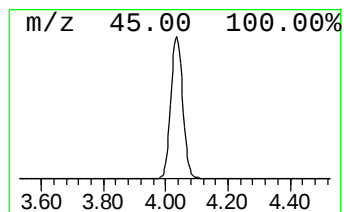
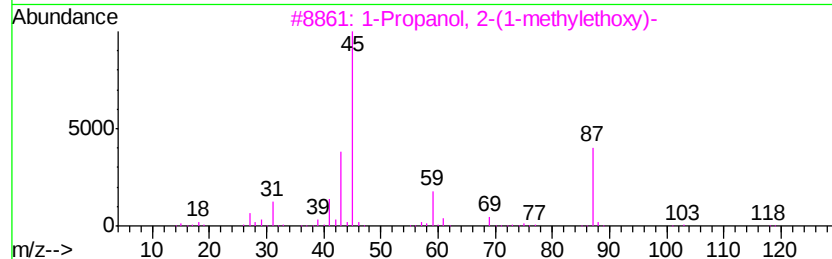
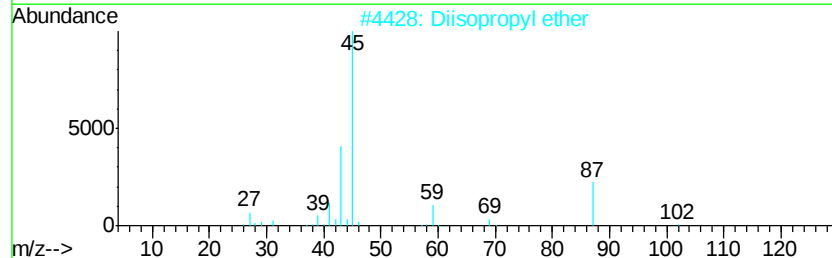
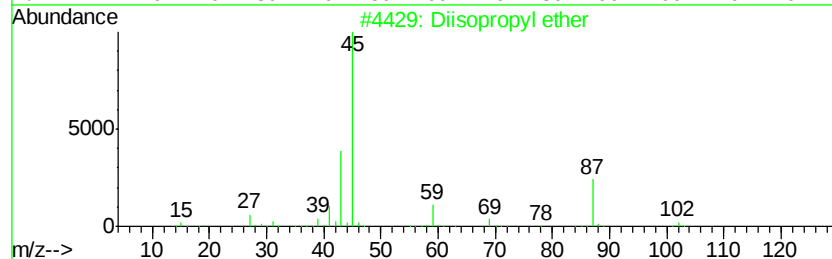
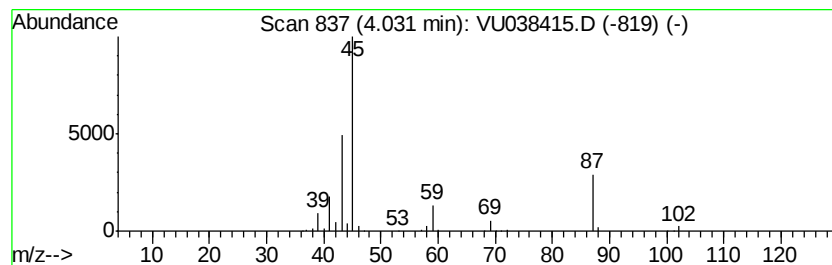
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Diisopropyl ether Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.03 | 3.89 ug/L | 602544 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Diisopropyl ether               | 102 | C6H14O  | 000108-20-3 | 91   |
| 2    |    | Diisopropyl ether               | 102 | C6H14O  | 000108-20-3 | 83   |
| 3    |    | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 78   |
| 4    |    | Diisopropyl ether               | 102 | C6H14O  | 000108-20-3 | 78   |
| 5    |    | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 56   |



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Sample : L2766-06DL 2X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

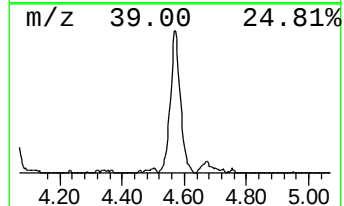
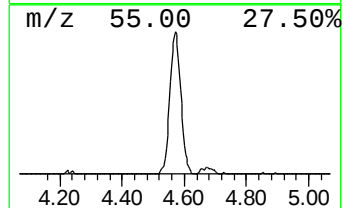
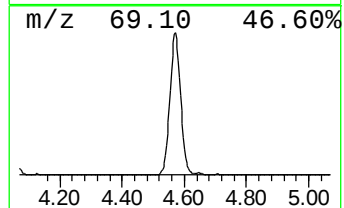
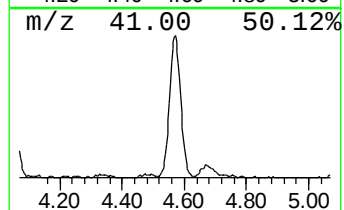
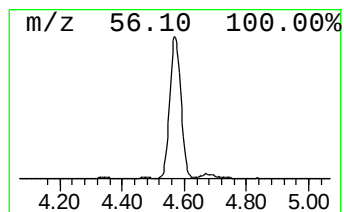
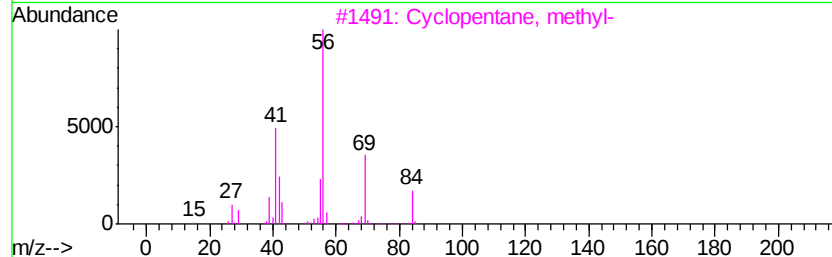
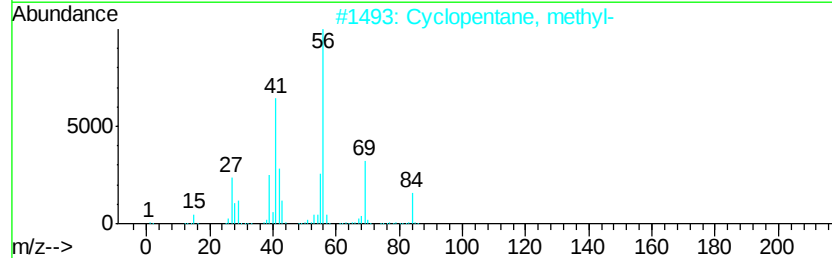
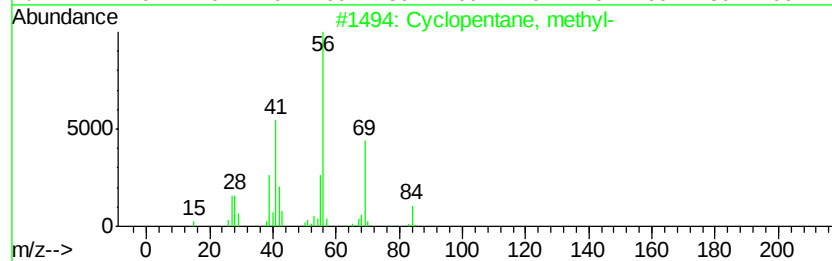
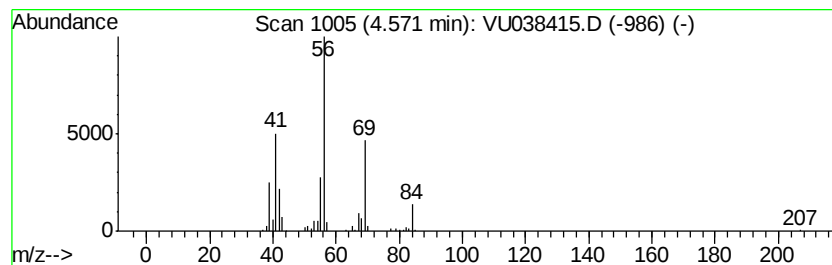
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic4.57 Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.57 | 1.65 ug/L | 255963 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 87   |
| 3    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 80   |
| 4    |    | Cyclohexane             | 84 | C6H12   | 000110-82-7 | 78   |
| 5    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053120\  
Data File : VU038415.D  
Acq On : 30 May 2020 16:01  
Operator : JC/MD  
Sample : L2766-06DL 2X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

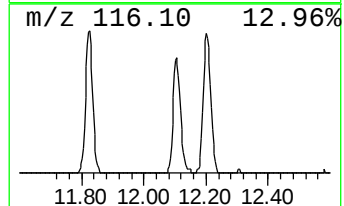
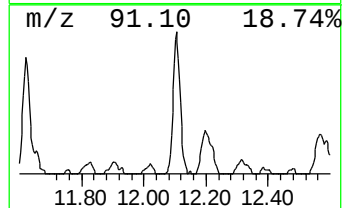
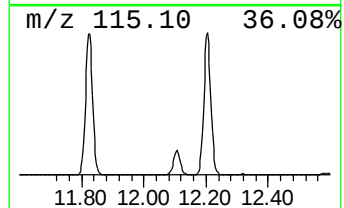
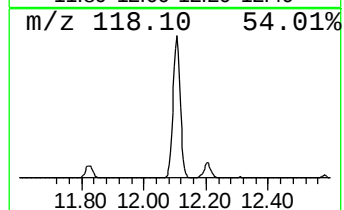
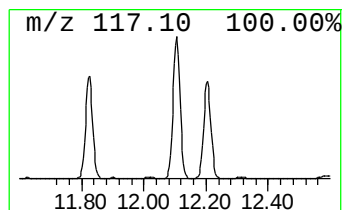
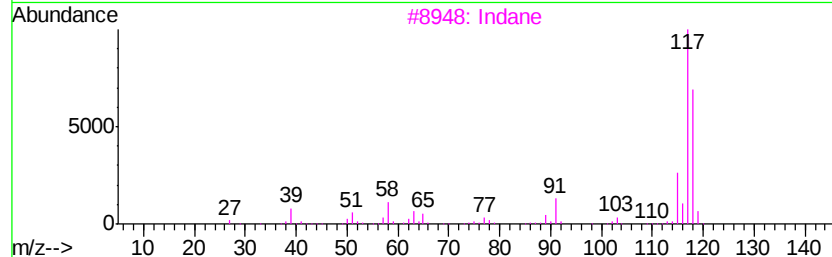
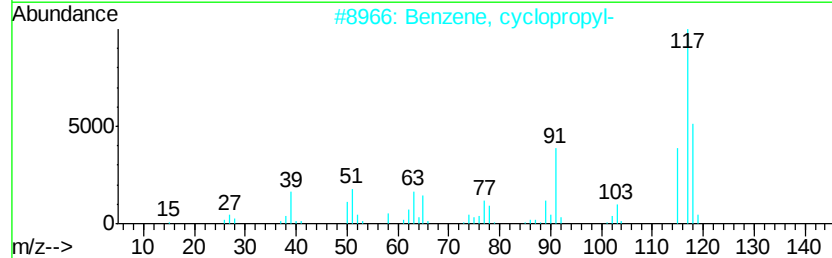
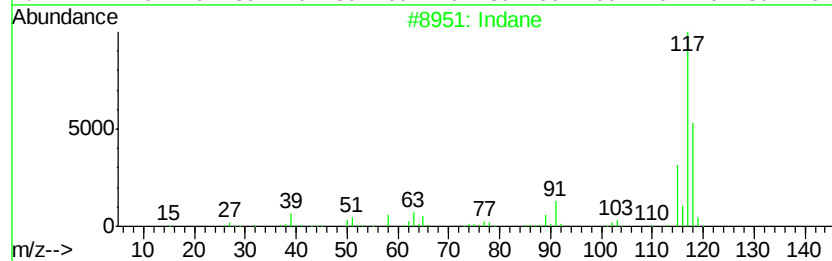
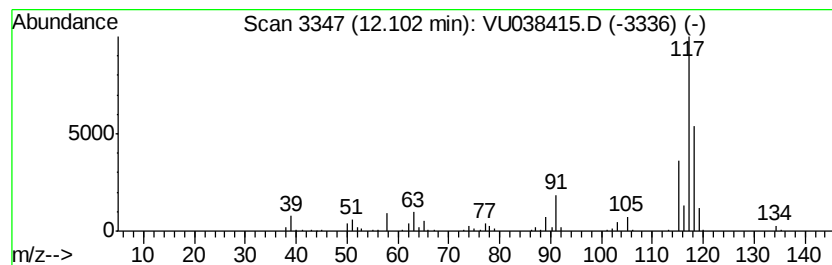
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Indane Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.10 | 0.70 ug/L | 156057 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Indane                       |              | 118 | C9H10   | 000496-11-7 | 93   |
| 2       | Benzene, cyclopropyl-        |              | 118 | C9H10   | 000873-49-4 | 81   |
| 3       | Indane                       |              | 118 | C9H10   | 000496-11-7 | 81   |
| 4       | Benzene, 1-ethenyl-4-methyl- |              | 118 | C9H10   | 000622-97-9 | 74   |
| 5       | Benzene, 1-propenyl-         |              | 118 | C9H10   | 000637-50-3 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU053120\  
Data File : VU038415.D  
Acq On : 30 May 2020 16:01  
Operator : JC/MD  
Sample : L2766-06DL 2X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.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 |
| Ethyl ether          | 2.40  | 0.6     | ug/L  | 94694    | 1                     | 6.28  | 775090  | 5.0  |
| (DEL) Alkane: Str... | 3.39  | 1.0     | ug/L  | 151711   | 1                     | 6.28  | 775090  | 5.0  |
| Diisopropyl ether    | 4.03  | 3.9     | ug/L  | 602544   | 1                     | 6.28  | 775090  | 5.0  |
| (DEL) Alkane: Cyc... | 4.57  | 1.6     | ug/L  | 255963   | 1                     | 6.28  | 775090  | 5.0  |
| Indane               | 12.10 | 0.7     | ug/L  | 156057   | 3                     | 11.83 | 1121130 | 5.0  |