

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111624\  
 Data File : VU061761.D  
 Acq On : 16 Nov 2024 22:56  
 Operator : MD/SY  
 Sample : P4803-06  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A0AQ1

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\SFAMUTR111324WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VU061761.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         | 1.358       | 15            | 21          | 26           | rBV      | 33112          | 35117         | 1.19%           | 0.372%        |
| 2         | 1.390       | 26            | 31          | 42           | rVB      | 45104          | 47308         | 1.60%           | 0.501%        |
| 3         | 1.592       | 82            | 94          | 107          | rBV2     | 85691          | 113818        | 3.84%           | 1.206%        |
| 4         | 1.904       | 181           | 191         | 204          | rBV      | 49948          | 68299         | 2.30%           | 0.724%        |
| 5         | 2.374       | 328           | 337         | 349          | rVB      | 29846          | 47131         | 1.59%           | 0.500%        |
| 6         | 2.557       | 382           | 394         | 412          | rBV      | 96974          | 158346        | 5.34%           | 1.678%        |
| 7         | 4.653       | 1032          | 1046        | 1080         | rBV2     | 53130          | 183715        | 6.20%           | 1.947%        |
| 8         | 5.052       | 1155          | 1170        | 1209         | rBV2     | 95833          | 252397        | 8.52%           | 2.675%        |
| 9         | 5.714       | 1358          | 1376        | 1387         | rBV2     | 191001         | 491415        | 16.58%          | 5.209%        |
| 10        | 6.242       | 1528          | 1540        | 1569         | rBV      | 186038         | 368792        | 12.45%          | 3.909%        |
| 11        | 6.682       | 1663          | 1677        | 1692         | rBV      | 115579         | 229266        | 7.74%           | 2.430%        |
| 12        | 7.560       | 1939          | 1950        | 1975         | rBV      | 50038          | 94510         | 3.19%           | 1.002%        |
| 13        | 7.891       | 2032          | 2053        | 2069         | rBV      | 233267         | 413590        | 13.96%          | 4.384%        |
| 14        | 8.174       | 2131          | 2141        | 2153         | rBV      | 28870          | 50211         | 1.69%           | 0.532%        |
| 15        | 8.631       | 2269          | 2283        | 2316         | rBV2     | 227648         | 473316        | 15.97%          | 5.017%        |
| 16        | 9.438       | 2514          | 2534        | 2566         | rBV2     | 1476974        | 2963179       | 100.00%         | 31.409%       |
| 17        | 9.682       | 2592          | 2610        | 2625         | rBV2     | 17180          | 40705         | 1.37%           | 0.431%        |
| 18        | 10.746      | 2931          | 2941        | 2952         | rBV      | 94665          | 155492        | 5.25%           | 1.648%        |
| 19        | 11.132      | 3051          | 3061        | 3072         | rVB2     | 47879          | 80599         | 2.72%           | 0.854%        |
| 20        | 11.290      | 3099          | 3110        | 3129         | rVB3     | 21198          | 43882         | 1.48%           | 0.465%        |
| 21        | 11.412      | 3138          | 3148        | 3156         | rBV2     | 19298          | 29743         | 1.00%           | 0.315%        |
| 22        | 11.602      | 3191          | 3207        | 3213         | rBV      | 27526          | 48044         | 1.62%           | 0.509%        |
| 23        | 11.637      | 3213          | 3218        | 3228         | rVB      | 23224          | 33170         | 1.12%           | 0.352%        |
| 24        | 11.804      | 3258          | 3270        | 3291         | rBV2     | 297345         | 750123        | 25.31%          | 7.951%        |
| 25        | 12.000      | 3323          | 3331        | 3342         | rVB2     | 25952          | 40844         | 1.38%           | 0.433%        |
| 26        | 12.087      | 3344          | 3358        | 3374         | rBV2     | 441488         | 710960        | 23.99%          | 7.536%        |
| 27        | 12.184      | 3376          | 3388        | 3411         | rVV3     | 277671         | 549675        | 18.55%          | 5.826%        |
| 28        | 12.293      | 3411          | 3422        | 3438         | rVB2     | 27274          | 44893         | 1.52%           | 0.476%        |
| 29        | 12.563      | 3498          | 3506        | 3512         | rBV      | 21286          | 29943         | 1.01%           | 0.317%        |
| 30        | 12.605      | 3512          | 3519        | 3532         | rVB2     | 37945          | 63535         | 2.14%           | 0.673%        |
| 31        | 12.675      | 3532          | 3541        | 3559         | rBV5     | 72829          | 171786        | 5.80%           | 1.821%        |
| 32        | 12.856      | 3589          | 3597        | 3611         | rVB      | 28179          | 47004         | 1.59%           | 0.498%        |
| 33        | 12.965      | 3612          | 3631        | 3642         | rBV      | 106875         | 190821        | 6.44%           | 2.023%        |
| 34        | 13.103      | 3662          | 3674        | 3690         | rVB5     | 19697          | 37275         | 1.26%           | 0.395%        |
| 35        | 13.286      | 3723          | 3731        | 3739         | rVV      | 36354          | 49820         | 1.68%           | 0.528%        |
| 36        | 13.444      | 3770          | 3780        | 3795         | rVB3     | 66294          | 113778        | 3.84%           | 1.206%        |

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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A0AQ1

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\SFAMUTR111324WMA.M  
Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 37 | 13.830 | 3891 | 3900 | 3909 | rBV4 | 28759 | 49553 | 1.67% | 0.525% |
| 38 | 13.929 | 3927 | 3931 | 3947 | rVB2 | 29365 | 53257 | 1.80% | 0.565% |
| 39 | 14.087 | 3973 | 3980 | 3996 | rVB2 | 18766 | 43711 | 1.48% | 0.463% |
| 40 | 14.659 | 4147 | 4158 | 4172 | rBV3 | 15445 | 31336 | 1.06% | 0.332% |
| 41 | 15.408 | 4380 | 4391 | 4404 | rBV3 | 18248 | 33908 | 1.14% | 0.359% |

Sum of corrected areas: 9434267

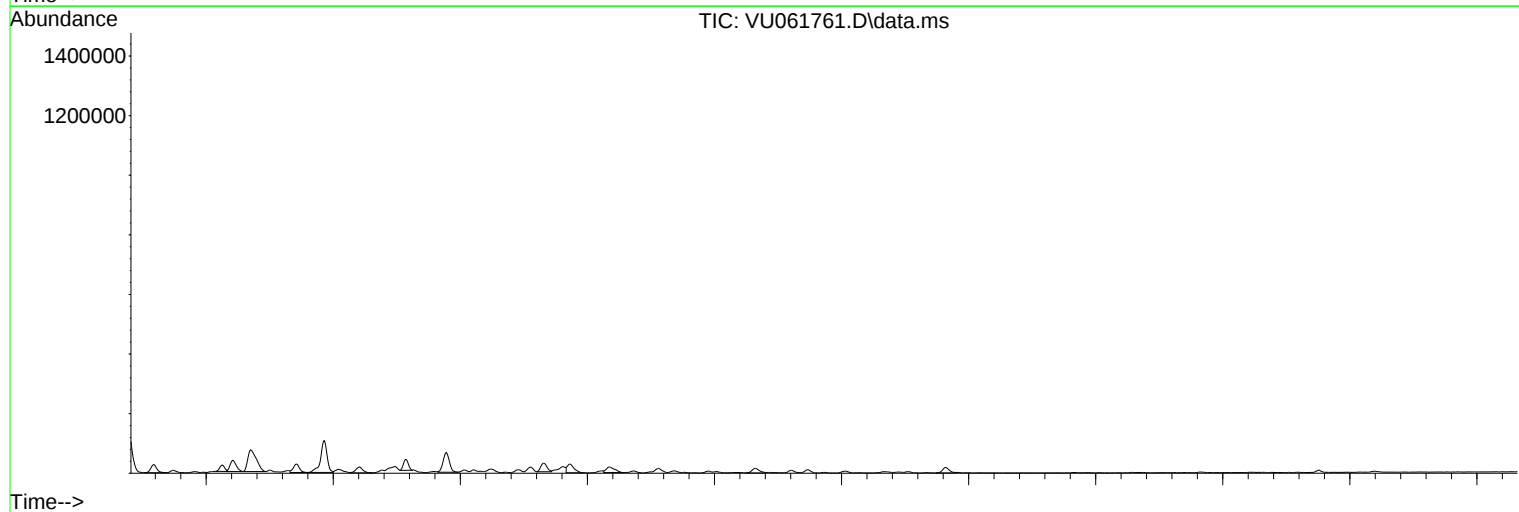
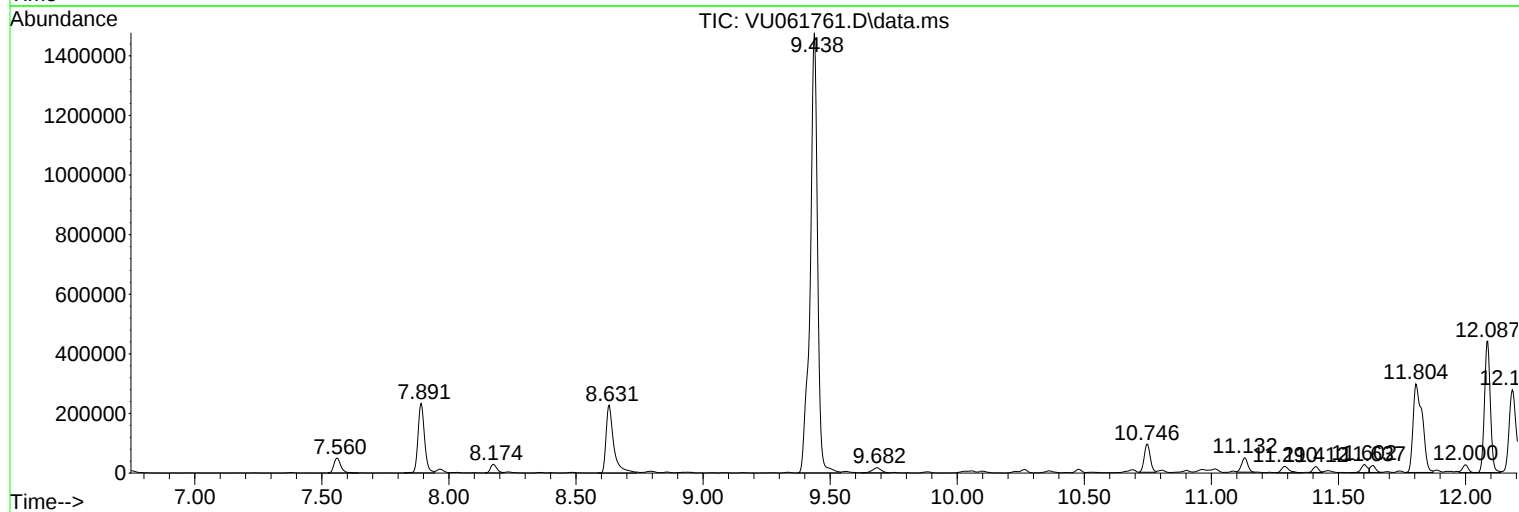
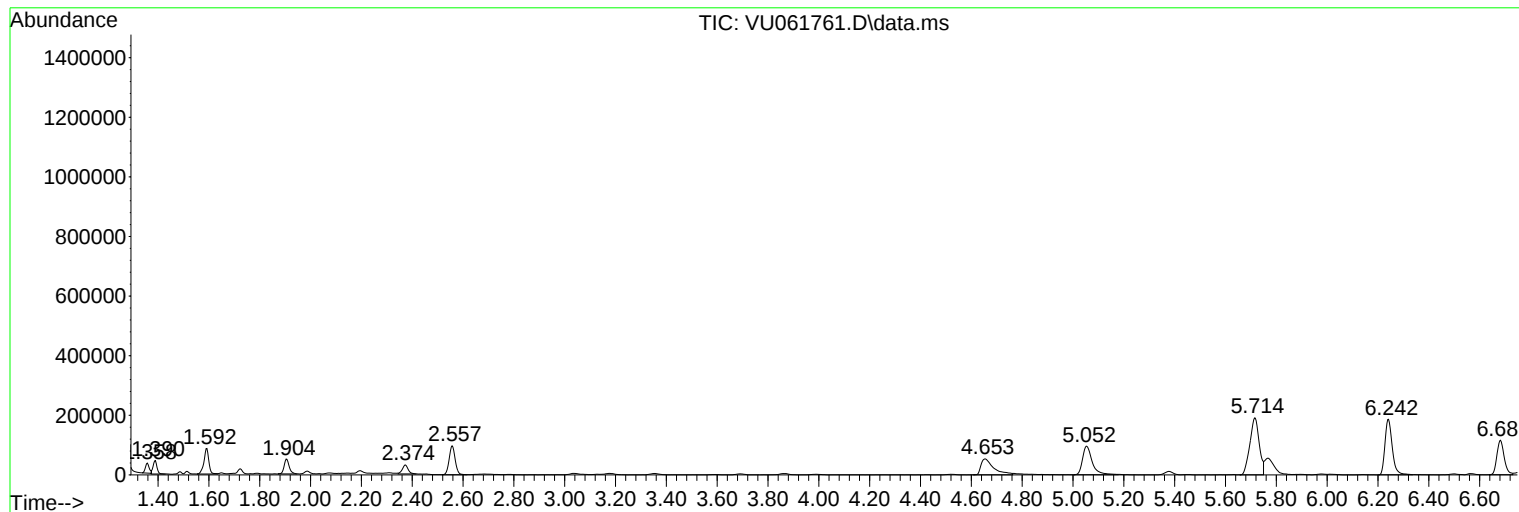
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111624\  
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Operator : MD/SY  
Sample : P4803-06  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A0AQ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.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\VU111624\  
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Operator : MD/SY  
Sample : P4803-06  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A0AQ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L

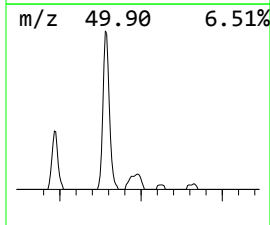
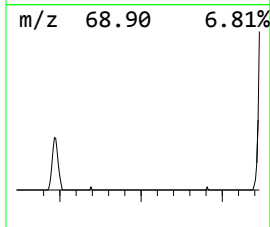
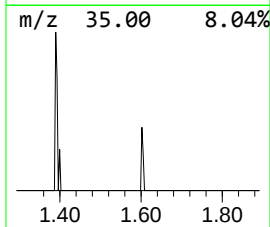
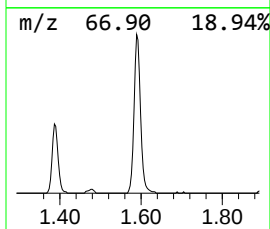
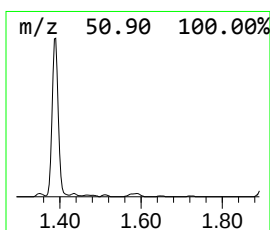
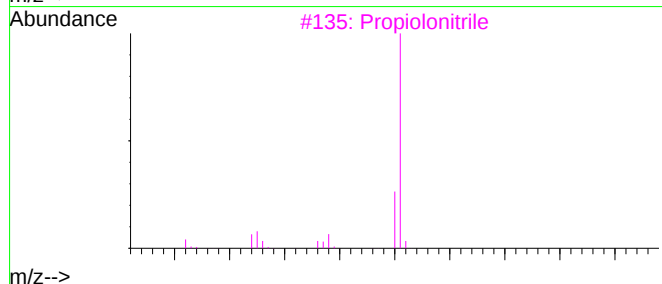
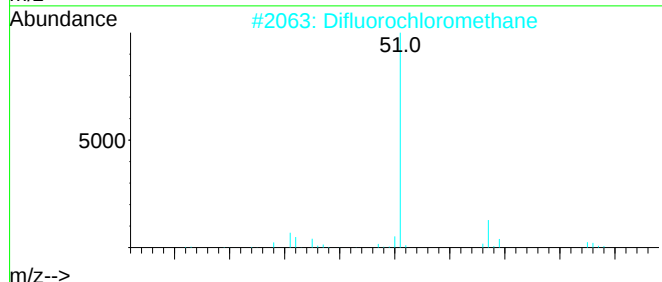
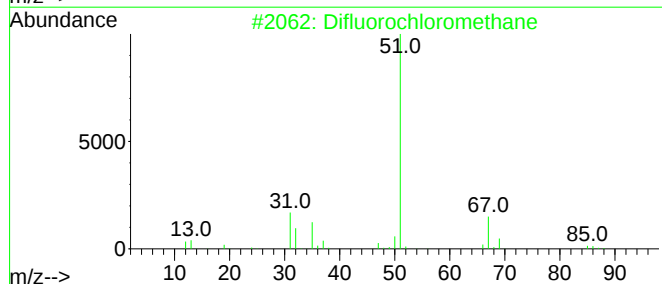
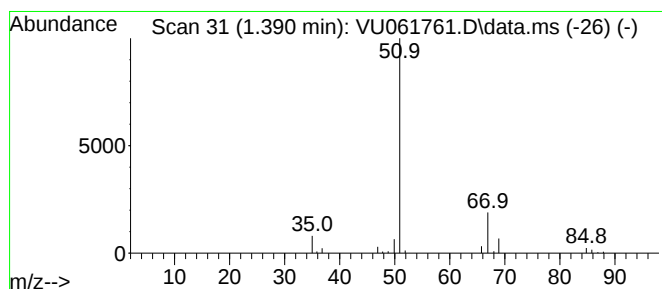
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Difluorochloromethane Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.390 | 0.64 ug/L | 47308 | 1,4-Difluorobenzene | 6.242 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|-----------|-------------------------------------|-----|-----------|--------------|------|
| 1         | Difluorochloromethane               | 86  | CHClF2    | 000075-45-6  | 91   |
| 2         | Difluorochloromethane               | 86  | CHClF2    | 000075-45-6  | 83   |
| 3         | Propiolonitrile                     | 51  | C3HN      | 001070-71-9  | 4    |
| 4         | 2-p-Nitrobenzoyl-1,3,5-tribenzyl... | 569 | C33H31NO8 | 1000129-85-6 | 2    |
| 5         | Ethane, 1,1-difluoro-               | 66  | C2H4F2    | 000075-37-6  | 1    |



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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A0AQ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

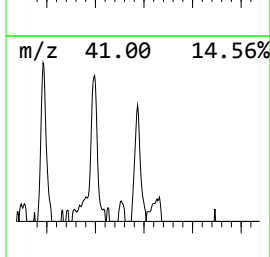
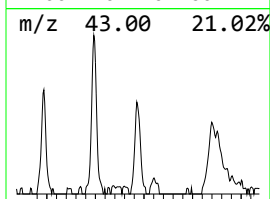
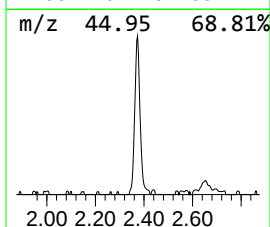
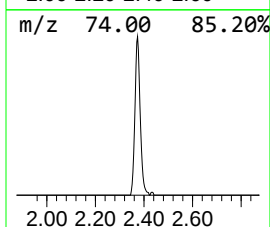
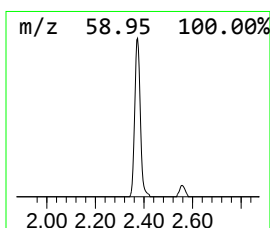
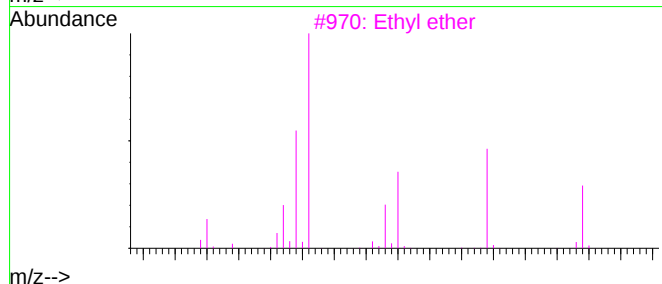
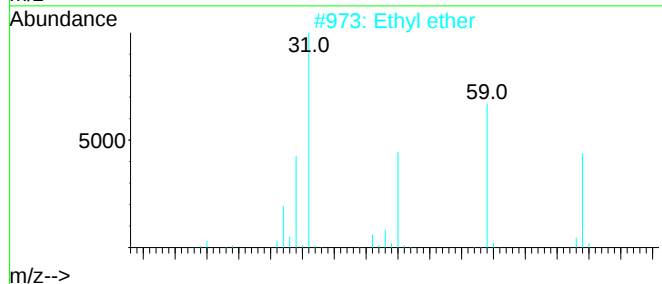
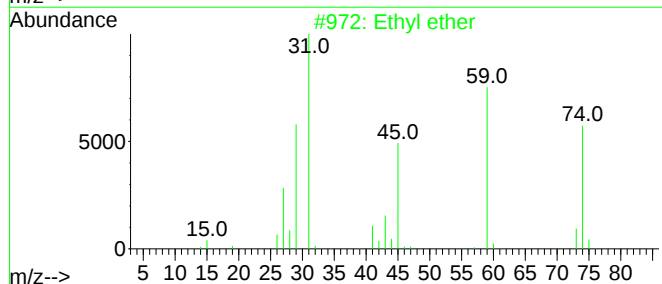
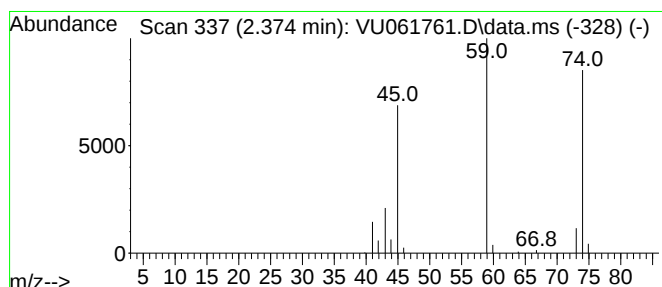
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Peak Number 2 Ethyl ether Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.374 | 0.64 ug/L | 47131 | 1,4-Difluorobenzene | 6.242 |

| Hit# of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|-----------|-----------------------|-----|---------|-------------|------|
| 1         | 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 | 83   |
| 4         | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 74   |
| 5         | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 64   |



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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A0AQ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
Quant Title : TRACE VOA SFAM1.0

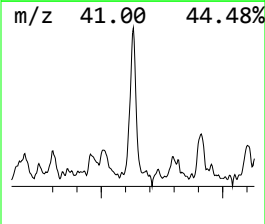
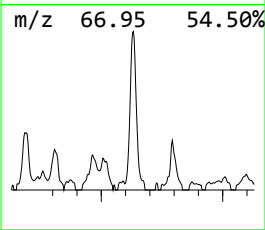
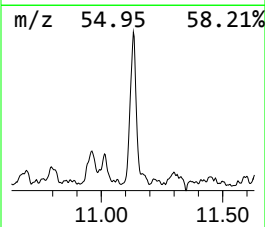
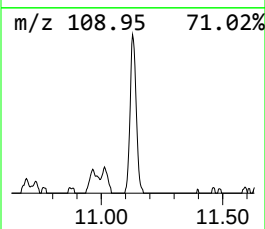
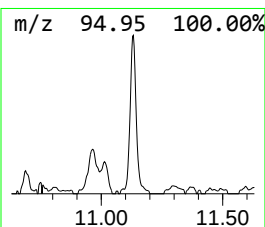
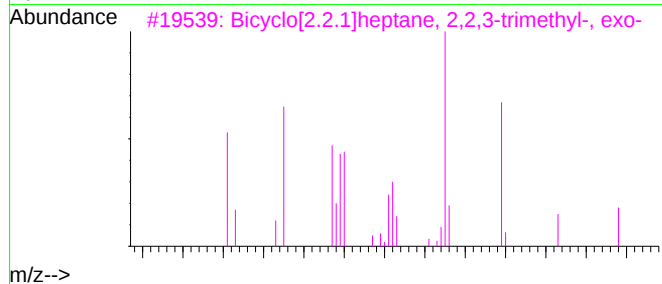
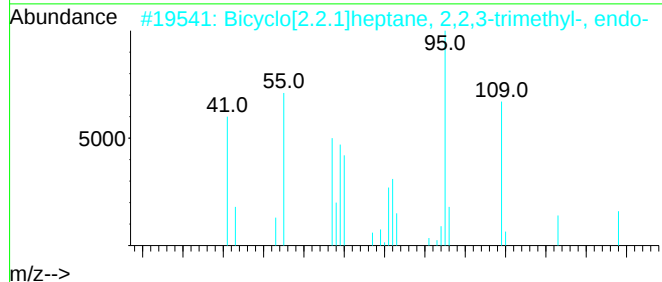
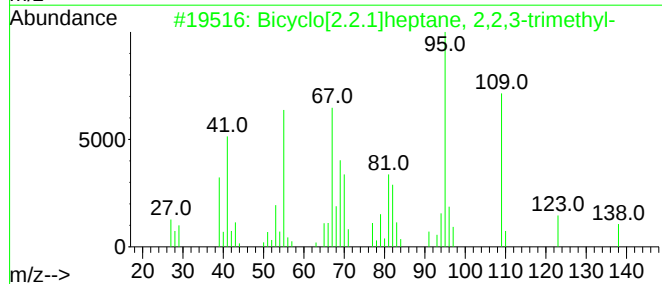
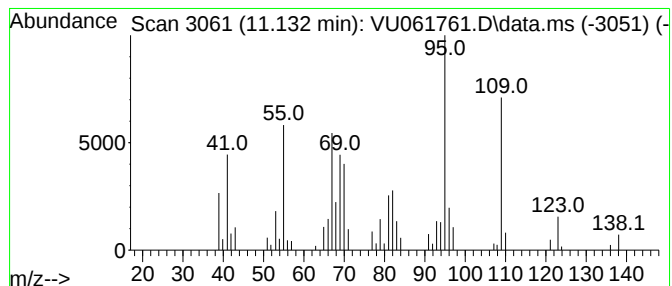
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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Peak Number 4 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 8

| R.T.      | EstConc                             | Area  | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|-------|------------------------|-------------|------|
| 11.132    | 0.54 ug/L                           | 80599 | 1,4-Dichlorobenzene-d4 | 11.804      |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm                | CAS#        | Qual |
| 1         | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138   | C10H18                 | 000473-19-8 | 95   |
| 2         | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138   | C10H18                 | 020536-40-7 | 91   |
| 3         | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138   | C10H18                 | 020536-41-8 | 91   |
| 4         | Bicyclo[2.2.1]heptane, 1,7,7-tri... | 138   | C10H18                 | 000464-15-3 | 46   |
| 5         | 4,5,6,7-Tetrahydro-1H-1,2,3-benz... | 123   | C6H9N3                 | 006789-99-7 | 43   |



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Instrument :  
MSVOA\_U  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

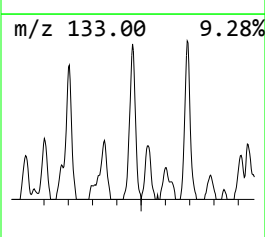
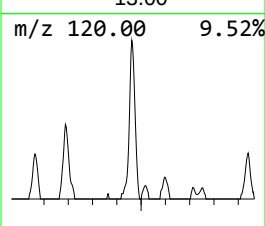
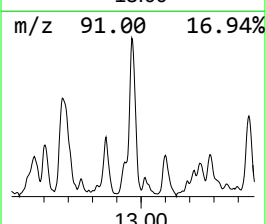
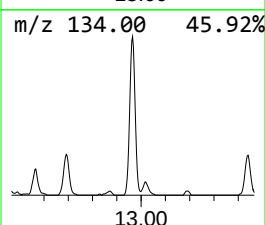
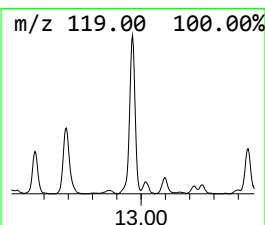
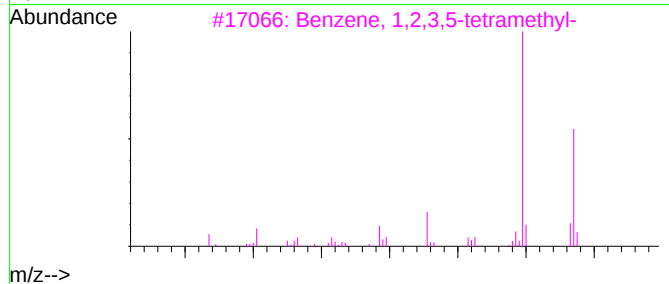
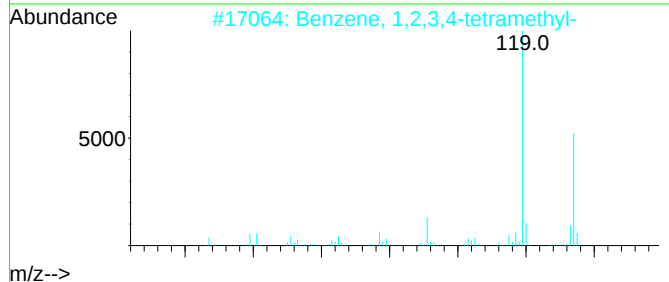
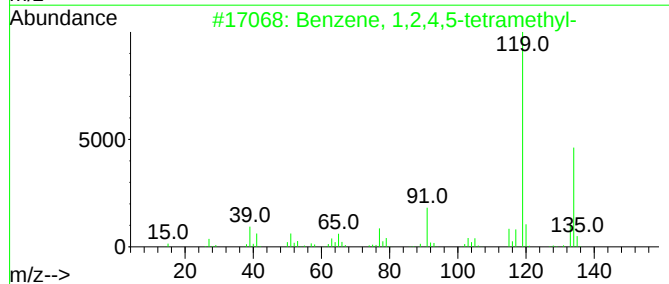
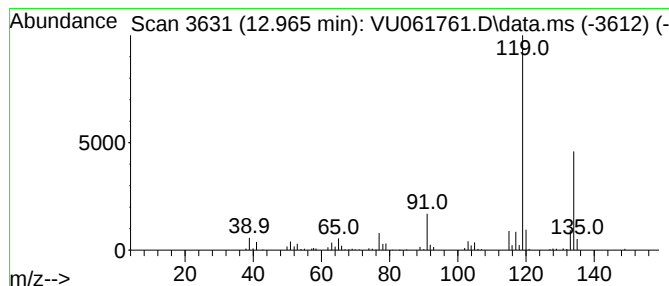
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Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.965 | 1.27 ug/L | 190821 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|-----------|-------------------------------|-----|---------|-------------|------|
| 1         | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 97   |
| 2         | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 97   |
| 3         | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 96   |
| 4         | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 95   |
| 5         | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111624\  
Data File : VU061761.D  
Acq On : 16 Nov 2024 22:56  
Operator : MD/SY  
Sample : P4803-06  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A0AQ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

| TIC Top Hit name    | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|---------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                     |        |         |       |          | #                     | RT     | Resp   | Conc |
| Di fluorochlorom... | 1.390  | 0.6     | ug/L  | 47308    | 1                     | 6.242  | 368792 | 5.0  |
| Ethyl ether         | 2.374  | 0.6     | ug/L  | 47131    | 1                     | 6.242  | 368792 | 5.0  |
| Bicyclo[2.2.1]h...  | 11.132 | 0.5     | ug/L  | 80599    | 3                     | 11.804 | 750123 | 5.0  |
| Benzene, 1,2,4,...  | 12.965 | 1.3     | ug/L  | 190821   | 3                     | 11.804 | 750123 | 5.0  |