

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
 Data File : VU059864.D  
 Acq On : 05 Jul 2024 16:07  
 Operator : MD/SY  
 Sample : P3137-14  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YDZK4

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\SFAMUTR061724WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VU059864.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       | 14            | 21          | 33           | rBV3     | 16193          | 21864         | 2.75%           | 0.258%        |
| 2         | 1.486       | 55            | 61          | 67           | rBV      | 14223          | 13486         | 1.70%           | 0.159%        |
| 3         | 1.596       | 84            | 95          | 108          | rBV2     | 154959         | 207496        | 26.09%          | 2.453%        |
| 4         | 1.908       | 183           | 192         | 209          | rBV2     | 49659          | 82543         | 10.38%          | 0.976%        |
| 5         | 2.554       | 381           | 393         | 411          | rVB      | 105897         | 172474        | 21.69%          | 2.039%        |
| 6         | 2.653       | 411           | 424         | 437          | rBV3     | 6197           | 19069         | 2.40%           | 0.225%        |
| 7         | 3.033       | 536           | 542         | 558          | rVB2     | 6968           | 13477         | 1.69%           | 0.159%        |
| 8         | 3.361       | 625           | 644         | 664          | rVB2     | 61369          | 183792        | 23.11%          | 2.173%        |
| 9         | 3.579       | 703           | 712         | 730          | rVB7     | 4600           | 11564         | 1.45%           | 0.137%        |
| 10        | 3.856       | 784           | 798         | 819          | rBV2     | 13133          | 30943         | 3.89%           | 0.366%        |
| 11        | 3.994       | 826           | 841         | 857          | rBV4     | 10733          | 28292         | 3.56%           | 0.334%        |
| 12        | 4.653       | 1033          | 1046        | 1075         | rBV3     | 58786          | 181785        | 22.86%          | 2.149%        |
| 13        | 5.055       | 1156          | 1171        | 1203         | rBV2     | 89413          | 212507        | 26.72%          | 2.512%        |
| 14        | 5.377       | 1261          | 1271        | 1284         | rVB6     | 4842           | 10325         | 1.30%           | 0.122%        |
| 15        | 5.714       | 1359          | 1376        | 1385         | rBV2     | 180499         | 445418        | 56.00%          | 5.265%        |
| 16        | 5.766       | 1387          | 1392        | 1409         | rVB      | 101040         | 186786        | 23.48%          | 2.208%        |
| 17        | 6.017       | 1460          | 1470        | 1490         | rVB2     | 25871          | 54292         | 6.83%           | 0.642%        |
| 18        | 6.242       | 1528          | 1540        | 1560         | rBV      | 169774         | 328435        | 41.29%          | 3.883%        |
| 19        | 6.541       | 1624          | 1633        | 1653         | rVB7     | 8745           | 24644         | 3.10%           | 0.291%        |
| 20        | 6.685       | 1665          | 1678        | 1693         | rBV      | 111039         | 216257        | 27.19%          | 2.556%        |
| 21        | 7.377       | 1882          | 1893        | 1906         | rVB7     | 5774           | 12255         | 1.54%           | 0.145%        |
| 22        | 7.560       | 1938          | 1950        | 1969         | rBV      | 51634          | 93011         | 11.69%          | 1.100%        |
| 23        | 7.830       | 2022          | 2034        | 2042         | rBV3     | 9397           | 18434         | 2.32%           | 0.218%        |
| 24        | 7.891       | 2042          | 2053        | 2068         | rVV      | 207886         | 363170        | 45.66%          | 4.293%        |
| 25        | 7.965       | 2069          | 2076        | 2089         | rVB      | 17989          | 30089         | 3.78%           | 0.356%        |
| 26        | 8.097       | 2107          | 2117        | 2132         | rVB      | 50899          | 88081         | 11.07%          | 1.041%        |
| 27        | 8.177       | 2132          | 2142        | 2152         | rBV4     | 32061          | 54838         | 6.89%           | 0.648%        |
| 28        | 8.267       | 2162          | 2170        | 2185         | rVB      | 26951          | 46048         | 5.79%           | 0.544%        |
| 29        | 8.634       | 2272          | 2284        | 2322         | rBV      | 227464         | 500222        | 62.89%          | 5.913%        |
| 30        | 8.962       | 2377          | 2386        | 2395         | rBV5     | 7595           | 14420         | 1.81%           | 0.170%        |
| 31        | 9.058       | 2407          | 2416        | 2431         | rVB7     | 6373           | 12294         | 1.55%           | 0.145%        |
| 32        | 9.412       | 2509          | 2526        | 2551         | rBV2     | 258608         | 559739        | 70.38%          | 6.617%        |
| 33        | 9.512       | 2551          | 2557        | 2567         | rVB8     | 7378           | 12902         | 1.62%           | 0.153%        |
| 34        | 9.692       | 2594          | 2613        | 2625         | rBV4     | 33716          | 86680         | 10.90%          | 1.025%        |
| 35        | 9.872       | 2657          | 2669        | 2686         | rVB5     | 26375          | 53147         | 6.68%           | 0.628%        |
| 36        | 10.007      | 2696          | 2711        | 2718         | rBV2     | 28648          | 52588         | 6.61%           | 0.622%        |

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 Title : TRACE VOA SFAM1.0

|    |        |      |      |      |       |        |        |         |        |
|----|--------|------|------|------|-------|--------|--------|---------|--------|
| 37 | 10.052 | 2718 | 2725 | 2737 | rVB5  | 16787  | 27493  | 3.46%   | 0.325% |
| 38 | 10.226 | 2768 | 2779 | 2786 | rBV9  | 9684   | 19327  | 2.43%   | 0.228% |
| 39 | 10.267 | 2786 | 2792 | 2794 | rVV5  | 9111   | 9913   | 1.25%   | 0.117% |
| 40 | 10.296 | 2797 | 2801 | 2819 | rVV10 | 13896  | 31242  | 3.93%   | 0.369% |
| 41 | 10.393 | 2823 | 2831 | 2840 | rVV3  | 14748  | 24055  | 3.02%   | 0.284% |
| 42 | 10.480 | 2851 | 2858 | 2865 | rVB3  | 16604  | 25733  | 3.24%   | 0.304% |
| 43 | 10.541 | 2865 | 2877 | 2892 | rBV6  | 26264  | 65112  | 8.19%   | 0.770% |
| 44 | 10.692 | 2913 | 2924 | 2932 | rBV5  | 41517  | 75375  | 9.48%   | 0.891% |
| 45 | 10.750 | 2932 | 2942 | 2965 | rVB   | 112958 | 218113 | 27.42%  | 2.578% |
| 46 | 10.901 | 2979 | 2989 | 2993 | rBV6  | 14109  | 23242  | 2.92%   | 0.275% |
| 47 | 10.939 | 2993 | 3001 | 3015 | rVV3  | 63557  | 137702 | 17.31%  | 1.628% |
| 48 | 11.007 | 3017 | 3022 | 3033 | rVB5  | 29998  | 50344  | 6.33%   | 0.595% |
| 49 | 11.087 | 3039 | 3047 | 3054 | rBV7  | 24550  | 36983  | 4.65%   | 0.437% |
| 50 | 11.180 | 3067 | 3076 | 3097 | rVB9  | 21823  | 57971  | 7.29%   | 0.685% |
| 51 | 11.274 | 3098 | 3105 | 3108 | rBV7  | 5750   | 8251   | 1.04%   | 0.098% |
| 52 | 11.299 | 3108 | 3113 | 3126 | rVB10 | 8760   | 17317  | 2.18%   | 0.205% |
| 53 | 11.383 | 3129 | 3139 | 3142 | rBV7  | 15818  | 24298  | 3.05%   | 0.287% |
| 54 | 11.457 | 3155 | 3162 | 3178 | rVB4  | 38678  | 74592  | 9.38%   | 0.882% |
| 55 | 11.602 | 3198 | 3207 | 3212 | rBV4  | 32833  | 55812  | 7.02%   | 0.660% |
| 56 | 11.637 | 3212 | 3218 | 3238 | rVB2  | 59972  | 108100 | 13.59%  | 1.278% |
| 57 | 11.737 | 3242 | 3249 | 3259 | rVB10 | 14686  | 27825  | 3.50%   | 0.329% |
| 58 | 11.807 | 3259 | 3271 | 3294 | rVB   | 280597 | 497417 | 62.54%  | 5.880% |
| 59 | 12.000 | 3324 | 3331 | 3339 | rVB2  | 14971  | 21315  | 2.68%   | 0.252% |
| 60 | 12.197 | 3379 | 3392 | 3411 | rVB2  | 328963 | 795358 | 100.00% | 9.402% |
| 61 | 12.299 | 3415 | 3424 | 3435 | rVV5  | 21380  | 38552  | 4.85%   | 0.456% |
| 62 | 12.444 | 3460 | 3469 | 3482 | rVB5  | 15499  | 36183  | 4.55%   | 0.428% |
| 63 | 12.541 | 3482 | 3499 | 3512 | rBV9  | 11642  | 30231  | 3.80%   | 0.357% |
| 64 | 12.624 | 3519 | 3525 | 3533 | rVB6  | 11699  | 16591  | 2.09%   | 0.196% |
| 65 | 12.676 | 3534 | 3541 | 3549 | rBV2  | 36158  | 49021  | 6.16%   | 0.579% |
| 66 | 12.756 | 3559 | 3566 | 3578 | rVB3  | 38687  | 63276  | 7.96%   | 0.748% |
| 67 | 12.823 | 3578 | 3587 | 3590 | rBV3  | 19053  | 27815  | 3.50%   | 0.329% |
| 68 | 12.859 | 3591 | 3598 | 3613 | rVB2  | 69385  | 108749 | 13.67%  | 1.286% |
| 69 | 12.939 | 3613 | 3623 | 3630 | rBV4  | 23011  | 39448  | 4.96%   | 0.466% |
| 70 | 13.068 | 3658 | 3663 | 3668 | rBV4  | 9265   | 11861  | 1.49%   | 0.140% |
| 71 | 13.110 | 3668 | 3676 | 3690 | rVB2  | 41360  | 74240  | 9.33%   | 0.878% |
| 72 | 13.225 | 3703 | 3712 | 3715 | rBV8  | 12514  | 18535  | 2.33%   | 0.219% |
| 73 | 13.322 | 3727 | 3742 | 3752 | rVB2  | 28780  | 53554  | 6.73%   | 0.633% |
| 74 | 13.393 | 3755 | 3764 | 3775 | rBV6  | 10478  | 20360  | 2.56%   | 0.241% |
| 75 | 13.521 | 3795 | 3804 | 3816 | rVB5  | 17294  | 30503  | 3.84%   | 0.361% |
| 76 | 13.592 | 3817 | 3826 | 3828 | rBV6  | 10328  | 13634  | 1.71%   | 0.161% |

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|     |        |      |      |      |       |       |        |        |        |
|-----|--------|------|------|------|-------|-------|--------|--------|--------|
| 77  | 13.624 | 3829 | 3836 | 3848 | rVB6  | 14752 | 27670  | 3.48%  | 0.327% |
| 78  | 13.692 | 3851 | 3857 | 3863 | rBV8  | 8606  | 11861  | 1.49%  | 0.140% |
| 79  | 13.775 | 3876 | 3883 | 3890 | rVB8  | 9338  | 13540  | 1.70%  | 0.160% |
| 80  | 13.830 | 3894 | 3900 | 3908 | rVV7  | 9139  | 14746  | 1.85%  | 0.174% |
| 81  | 13.907 | 3909 | 3924 | 3934 | rVV   | 58268 | 101712 | 12.79% | 1.202% |
| 82  | 13.987 | 3944 | 3949 | 3957 | rBV6  | 7653  | 10127  | 1.27%  | 0.120% |
| 83  | 14.055 | 3964 | 3970 | 3977 | rBV5  | 12703 | 19595  | 2.46%  | 0.232% |
| 84  | 14.106 | 3979 | 3986 | 4000 | rVB6  | 20732 | 41430  | 5.21%  | 0.490% |
| 85  | 14.280 | 4031 | 4040 | 4052 | rVB3  | 39048 | 68898  | 8.66%  | 0.814% |
| 86  | 14.344 | 4052 | 4060 | 4075 | rVB5  | 21995 | 38172  | 4.80%  | 0.451% |
| 87  | 14.467 | 4090 | 4098 | 4104 | rBV10 | 11723 | 22000  | 2.77%  | 0.260% |
| 88  | 14.585 | 4126 | 4135 | 4145 | rBV10 | 8957  | 18660  | 2.35%  | 0.221% |
| 89  | 14.659 | 4147 | 4158 | 4176 | rVV6  | 28808 | 85719  | 10.78% | 1.013% |
| 90  | 14.801 | 4187 | 4202 | 4213 | rBV   | 48866 | 92453  | 11.62% | 1.093% |
| 91  | 14.868 | 4213 | 4223 | 4236 | rVB4  | 43372 | 77027  | 9.68%  | 0.911% |
| 92  | 14.939 | 4239 | 4245 | 4260 | rVB4  | 14876 | 31002  | 3.90%  | 0.366% |
| 93  | 15.023 | 4262 | 4271 | 4279 | rBV2  | 24470 | 44349  | 5.58%  | 0.524% |
| 94  | 15.164 | 4303 | 4315 | 4327 | rBV5  | 26288 | 65127  | 8.19%  | 0.770% |
| 95  | 15.421 | 4387 | 4395 | 4404 | rVB5  | 30674 | 50713  | 6.38%  | 0.600% |
| 96  | 15.550 | 4430 | 4435 | 4441 | rBV9  | 5791  | 8442   | 1.06%  | 0.100% |
| 97  | 15.727 | 4483 | 4490 | 4493 | rBV8  | 13656 | 17862  | 2.25%  | 0.211% |
| 98  | 16.180 | 4624 | 4631 | 4642 | rVB3  | 17518 | 26625  | 3.35%  | 0.315% |
| 99  | 16.608 | 4756 | 4764 | 4771 | rBV3  | 13565 | 20582  | 2.59%  | 0.243% |
| 100 | 16.762 | 4804 | 4812 | 4825 | rBV8  | 22024 | 42071  | 5.29%  | 0.497% |

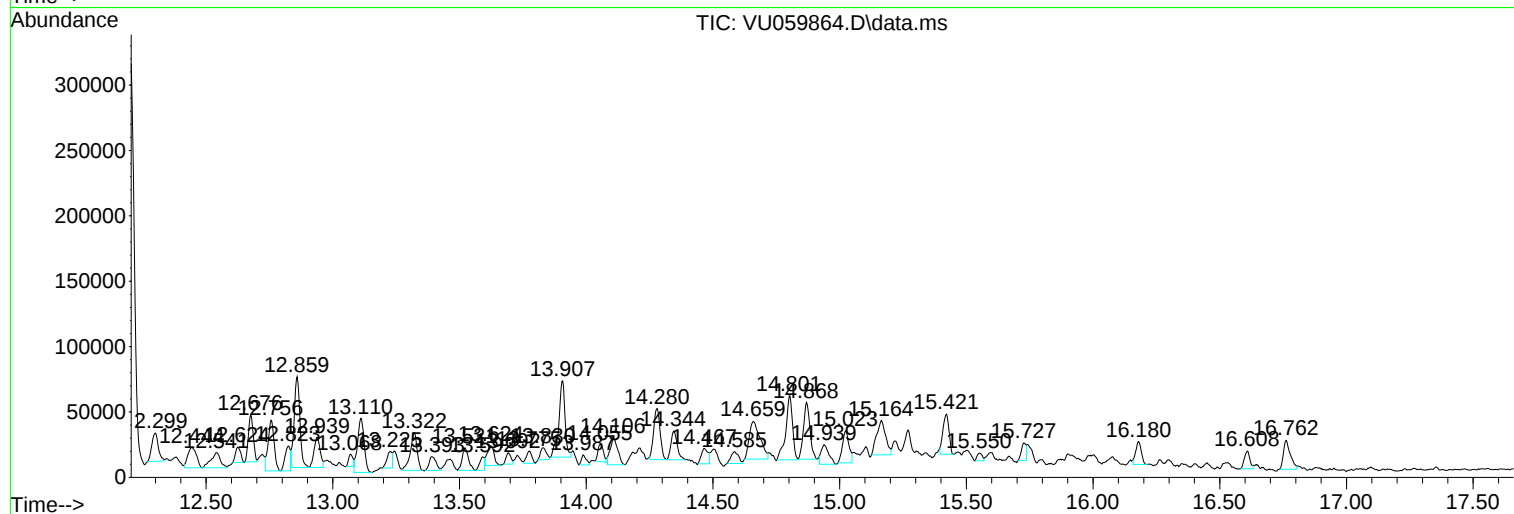
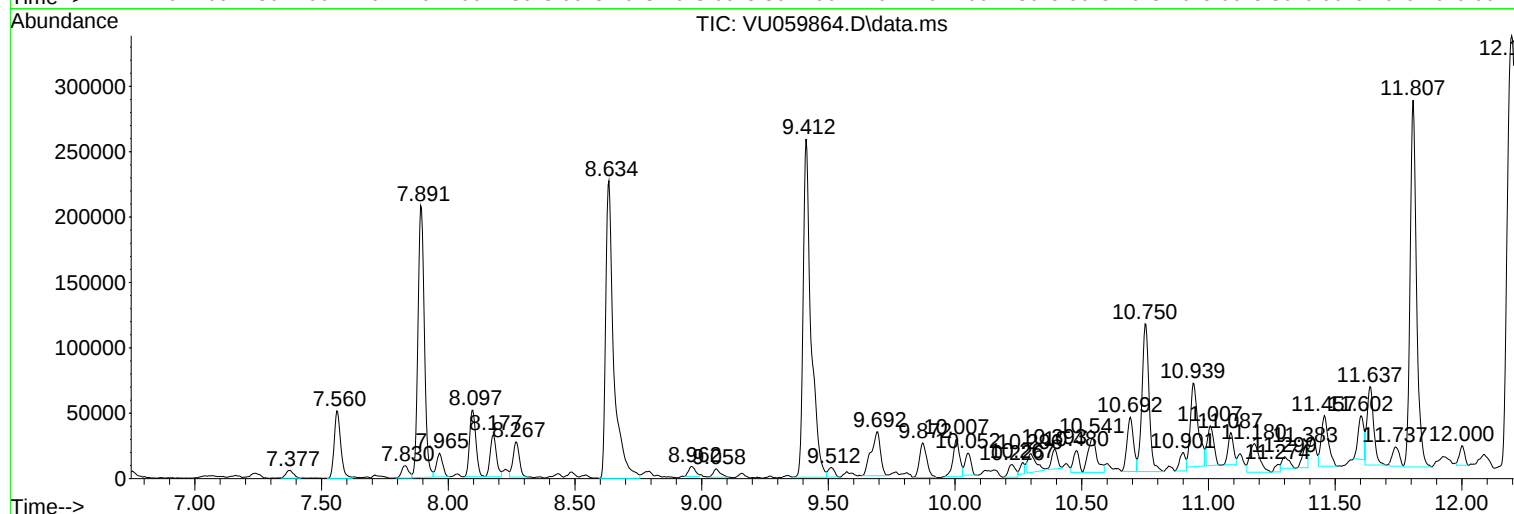
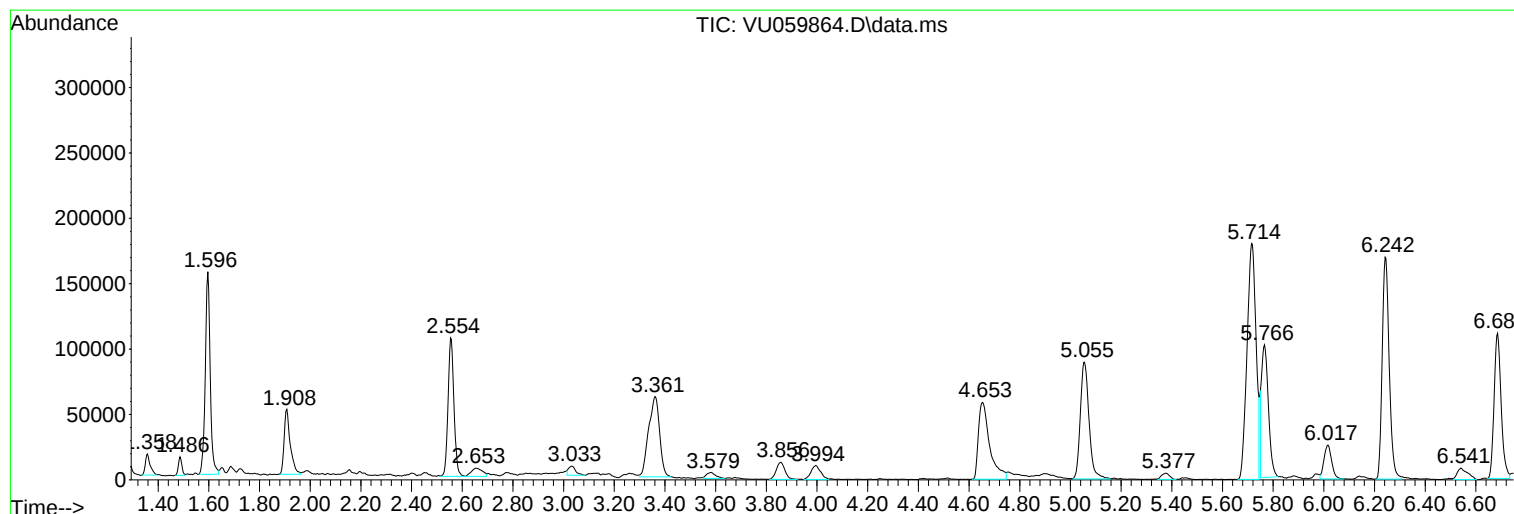
Sum of corrected areas: 8459193

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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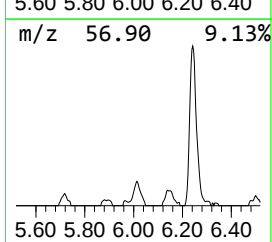
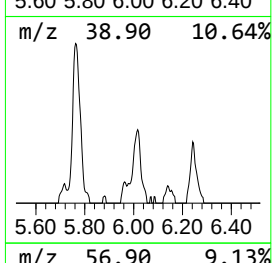
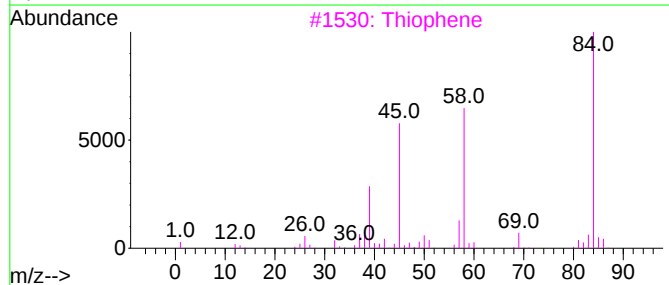
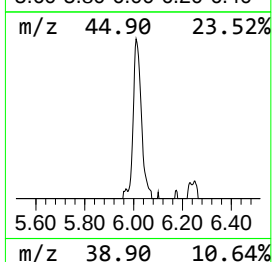
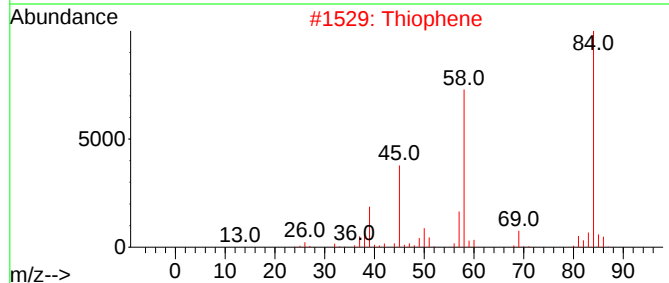
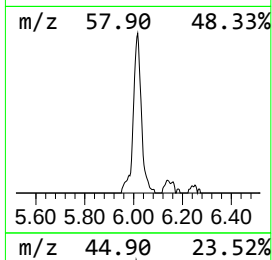
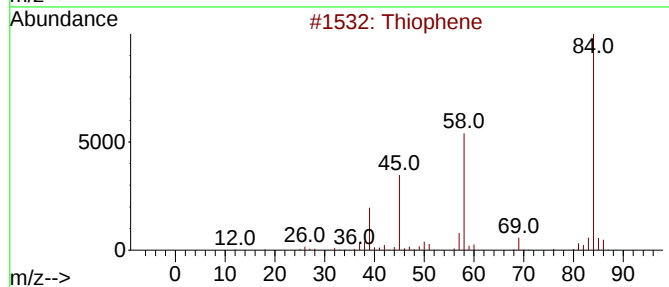
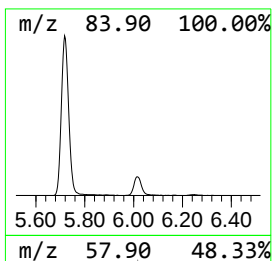
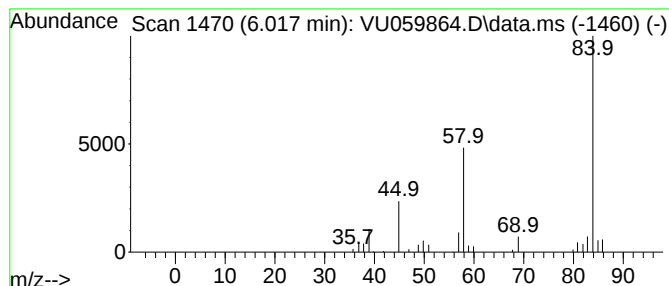
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Thiophene Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 6.017 | 0.83 ug/L | 54292 | 1,4-Difluorobenzene | 6.245 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Thiophene                | 84 | C4H4S   | 000110-02-1 | 91   |
| 2    |    |   | Thiophene                | 84 | C4H4S   | 000110-02-1 | 91   |
| 3    |    |   | Thiophene                | 84 | C4H4S   | 000110-02-1 | 83   |
| 4    |    |   | Thiophene                | 84 | C4H4S   | 000110-02-1 | 83   |
| 5    |    |   | 4H-1,2,4-Triazol-4-amine | 84 | C2H4N4  | 000584-13-4 | 32   |



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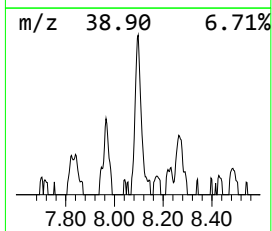
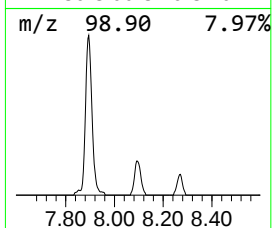
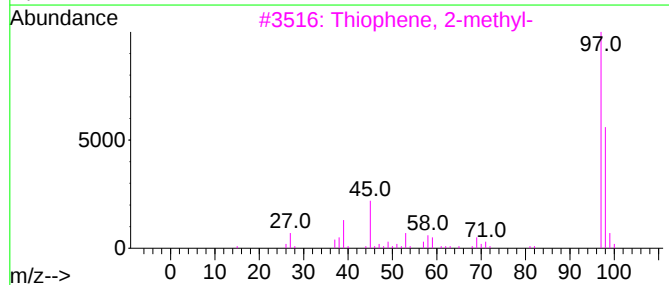
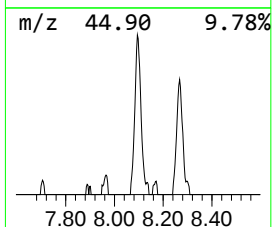
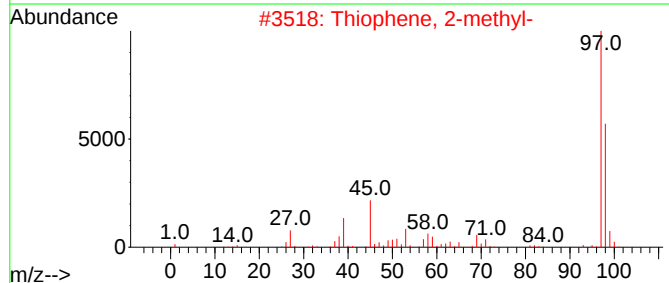
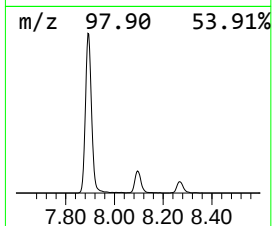
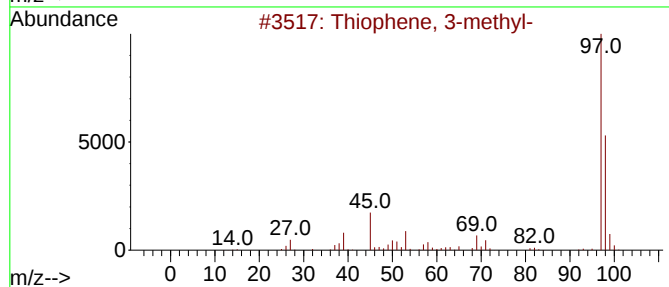
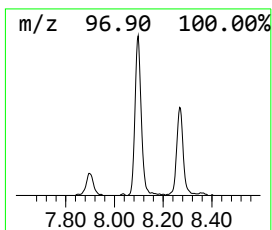
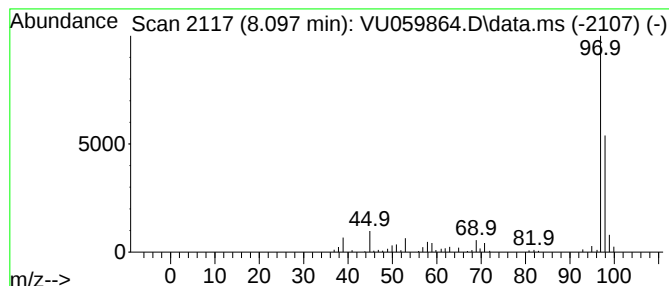
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 3 Thiophene, 3-methyl- Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 8.097 | 0.79 ug/L | 88081 | Chlorobenzene-d5 | 9.412 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | Thiophene, 3-methyl- | 98 | C5H6S   | 000616-44-4 | 91   |
| 2    |    |   | Thiophene, 2-methyl- | 98 | C5H6S   | 000554-14-3 | 91   |
| 3    |    |   | Thiophene, 2-methyl- | 98 | C5H6S   | 000554-14-3 | 91   |
| 4    |    |   | Thiophene, 3-methyl- | 98 | C5H6S   | 000616-44-4 | 91   |
| 5    |    |   | Thiophene, 3-methyl- | 98 | C5H6S   | 000616-44-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0

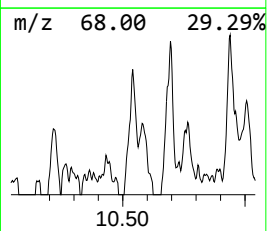
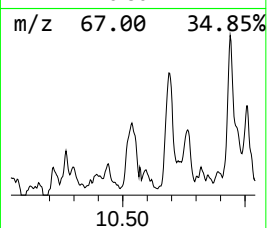
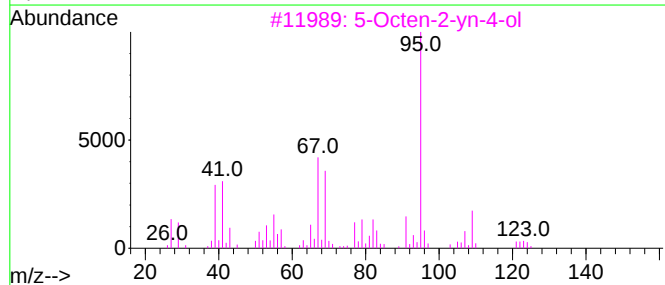
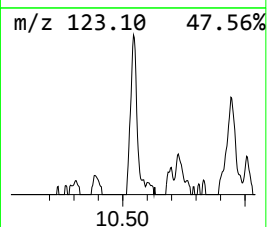
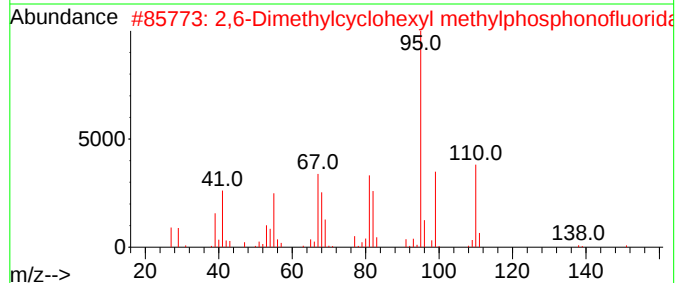
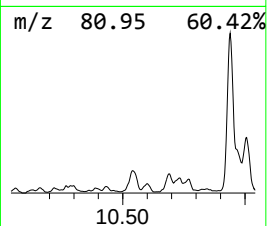
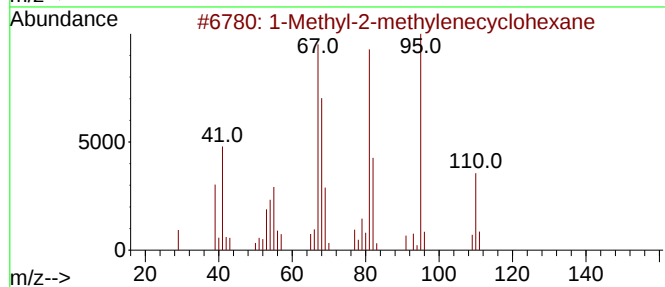
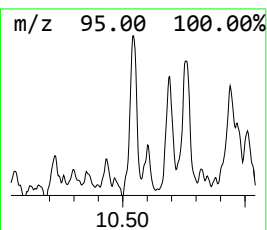
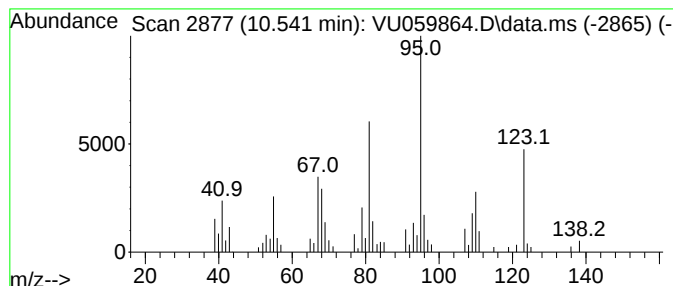
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Methyl-2-methylenecyclohe... Concentration Rank 18

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.  |
|--------|-----------|-------|------------------|-------|
| 10.541 | 0.58 ug/L | 65112 | Chlorobenzene-d5 | 9.412 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 1-Methyl-2-methylenecyclohexane     | 110 | C8H14     | 002808-75-5  | 52   |
| 2    |    |   | 2,6-Dimethylcyclohexyl methylpho... | 208 | C9H18FO2P | 1005276-38-9 | 50   |
| 3    |    |   | 5-Octen-2-yn-4-ol                   | 124 | C8H12O    | 1010196-87-1 | 49   |
| 4    |    |   | Furan, 2-ethyl-5-methyl-            | 110 | C7H10O    | 001703-52-2  | 49   |
| 5    |    |   | Cyclohexene, 3,5-dimethyl-          | 110 | C8H14     | 000823-17-6  | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0

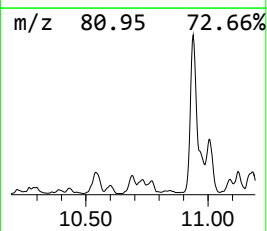
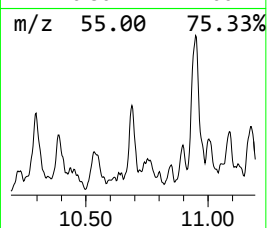
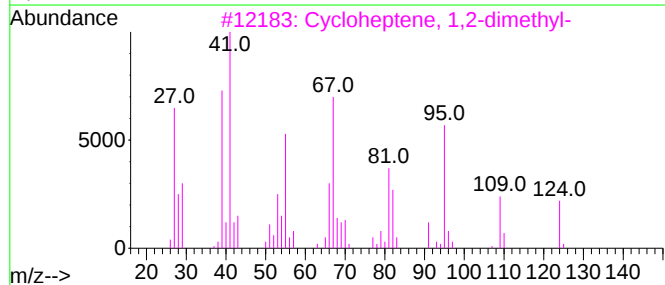
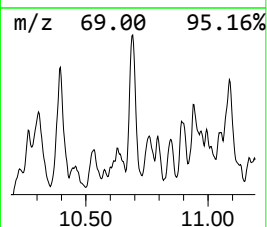
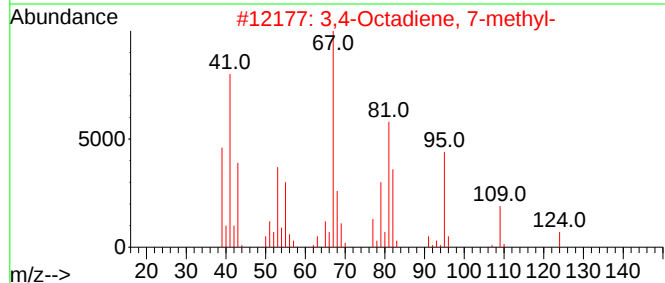
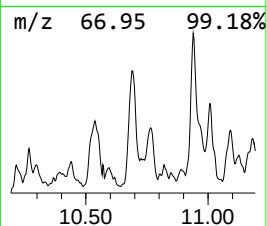
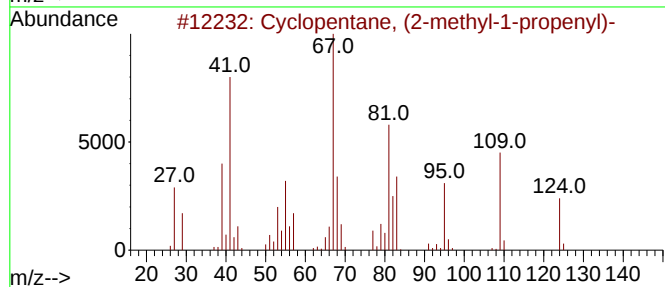
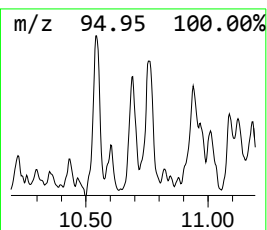
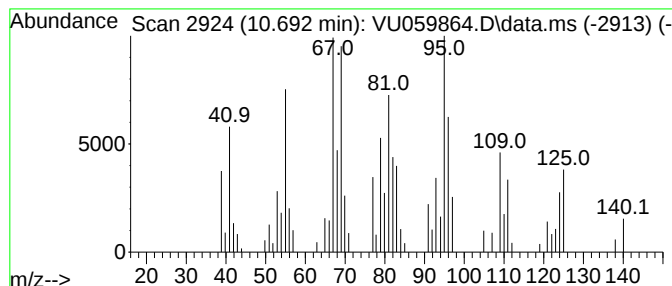
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown-01 Concentration Rank 11

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 10.692 | 0.76 ug/L | 75375 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, (2-methyl-1-propen... | 124 | C9H16   | 053366-57-7 | 46   |
| 2    |    |   | 3,4-Octadiene, 7-methyl-            | 124 | C9H16   | 037050-05-8 | 45   |
| 3    |    |   | Cycloheptene, 1,2-dimethyl-         | 124 | C9H16   | 020053-89-8 | 45   |
| 4    |    |   | Bicyclo[2.2.2]octane, 2-methyl-     | 124 | C9H16   | 000766-53-0 | 43   |
| 5    |    |   | Ethylidenecycloheptane              | 124 | C9H16   | 010494-87-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

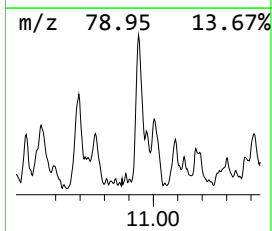
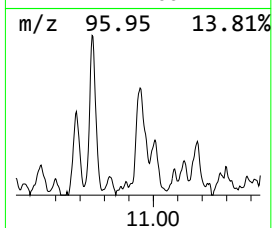
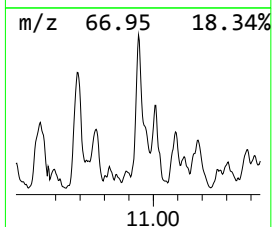
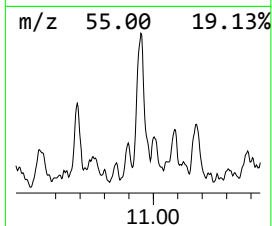
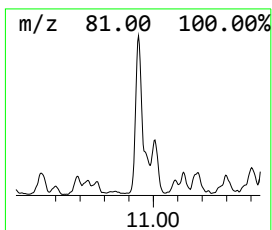
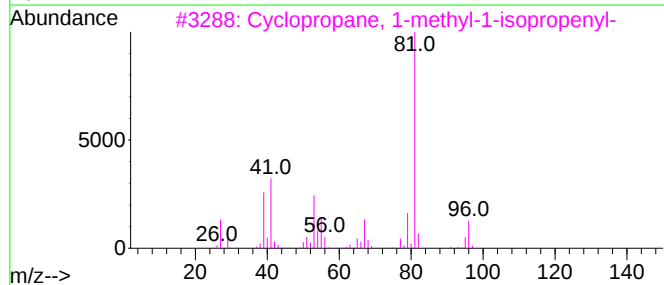
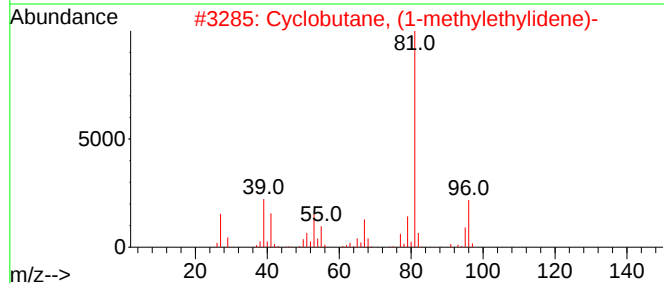
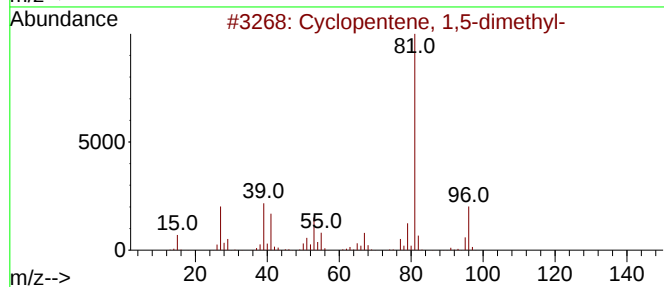
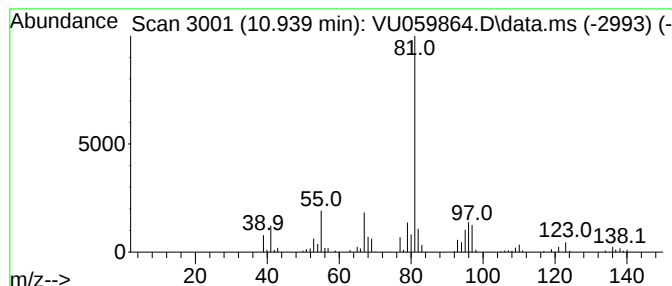
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 6 Cyclopentene, 1,5-dimethyl- Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 10.939 | 1.38 ug/L | 137702 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentene, 1,5-dimethyl-         | 96  | C7H12   | 016491-15-9 | 64   |
| 2    |    |   | Cyclobutane, (1-methylethylidene)-  | 96  | C7H12   | 001528-22-9 | 64   |
| 3    |    |   | Cyclopropane, 1-methyl-1-isoprop... | 96  | C7H12   | 003422-07-9 | 59   |
| 4    |    |   | 2-Cyclopentene-1-carboxylic acid... | 140 | C8H12O2 | 068317-73-7 | 53   |
| 5    |    |   | 2,4-Heptadienal, (E,E)-             | 110 | C7H10O  | 004313-03-5 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

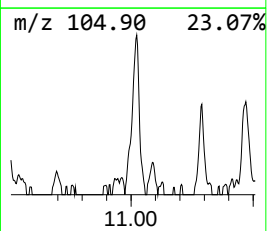
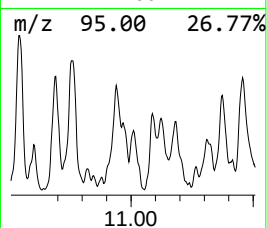
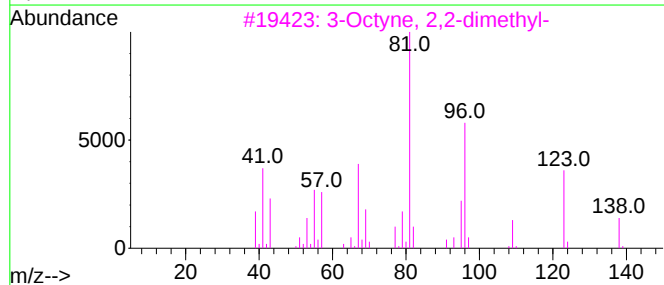
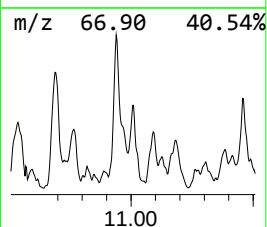
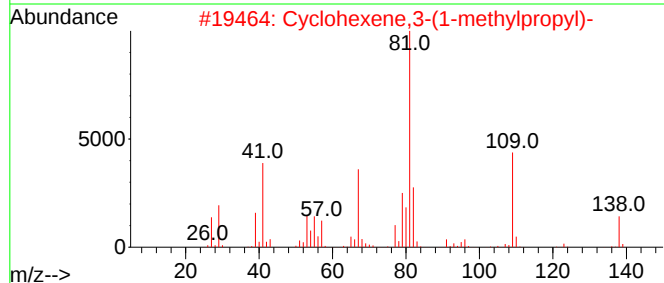
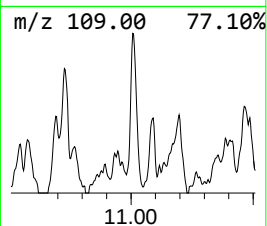
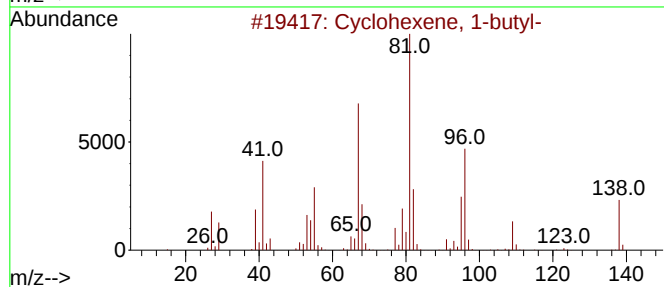
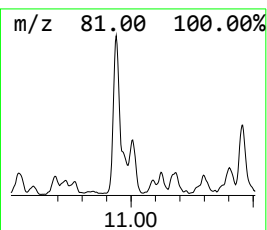
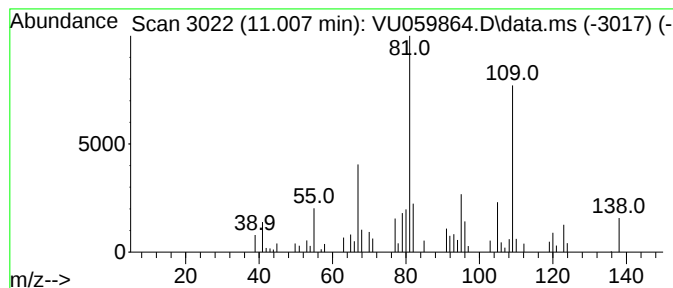
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Peak Number 7 unknown-02

Concentration Rank 22

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.007 | 0.51 ug/L | 50344 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexene, 1-butyl-               | 138 | C10H18  | 003282-53-9 | 49   |
| 2    |    |   | Cyclohexene,3-(1-methylpropyl)-     | 138 | C10H18  | 015232-91-4 | 47   |
| 3    |    |   | 3-Octyne, 2,2-dimethyl-             | 138 | C10H18  | 019482-57-6 | 46   |
| 4    |    |   | Bicyclo[3.1.0]hexan-2-one, 5-(1-... | 138 | C9H14O  | 000513-20-2 | 43   |
| 5    |    |   | 2-Methoxymethylene-bicyclo[2.2.1... | 138 | C9H14O  | 066051-08-9 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

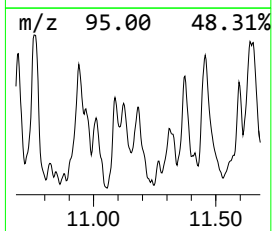
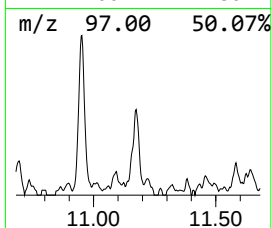
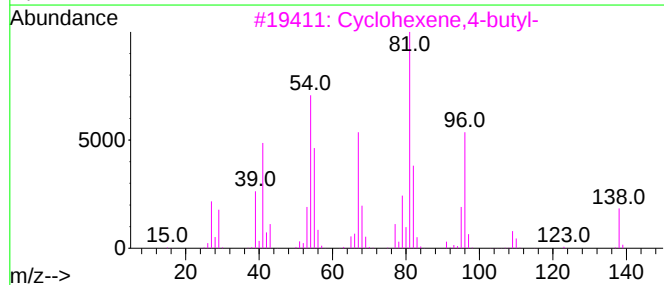
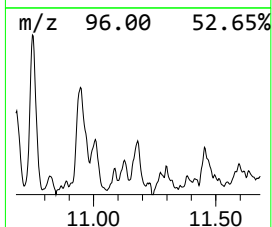
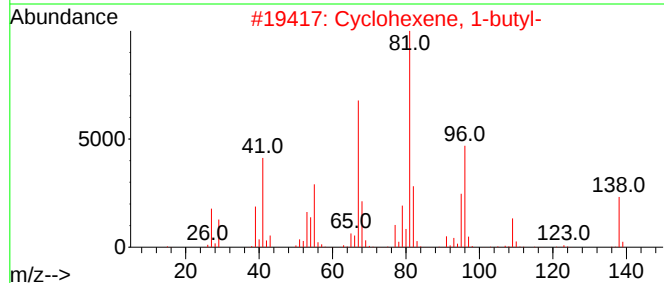
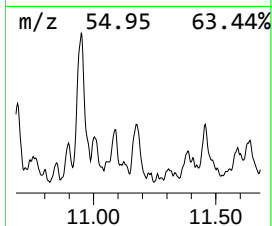
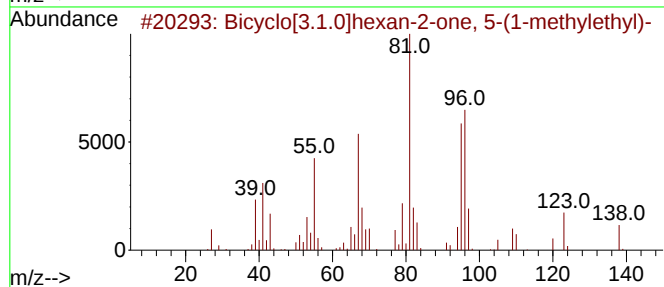
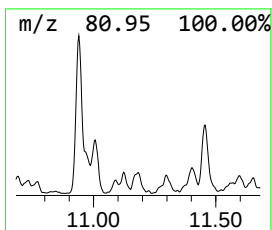
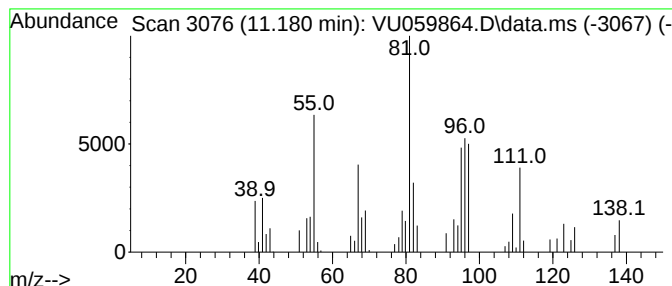
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 8 Bicyclo[3.1.0]hexan-2-one, ... Concentration Rank 17

| R.T.      | EstConc                             | Area  | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|-------|------------------------|---------|-------------|--------|
| 11.181    | 0.58 ug/L                           | 57971 | 1,4-Dichlorobenzene-d4 |         |             | 11.807 |
| Hit# of 5 | Tentative ID                        |       | MW                     | MolForm | CAS#        | Qual   |
| 1         | Bicyclo[3.1.0]hexan-2-one, 5-(1-... |       | 138                    | C9H14O  | 000513-20-2 | 86     |
| 2         | Cyclohexene, 1-butyl-               |       | 138                    | C10H18  | 003282-53-9 | 64     |
| 3         | Cyclohexene,4-butyl-                |       | 138                    | C10H18  | 021524-26-5 | 60     |
| 4         | 3-Octyne, 2,2-dimethyl-             |       | 138                    | C10H18  | 019482-57-6 | 52     |
| 5         | Cyclohexene, 3-(2-methylpropyl)-    |       | 138                    | C10H18  | 004104-56-7 | 49     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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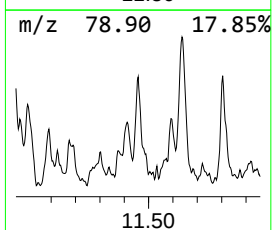
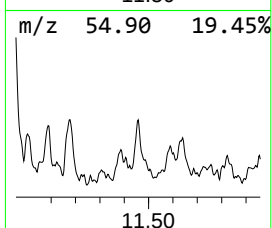
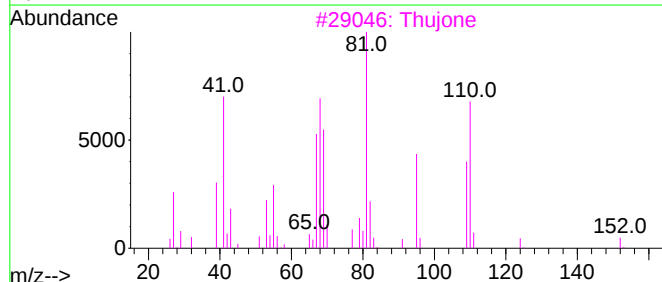
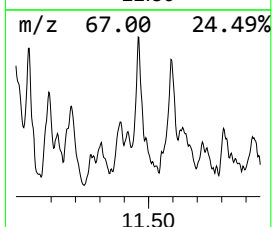
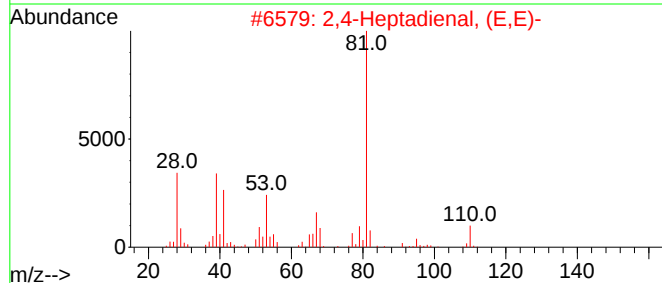
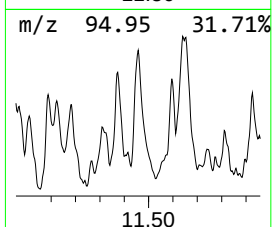
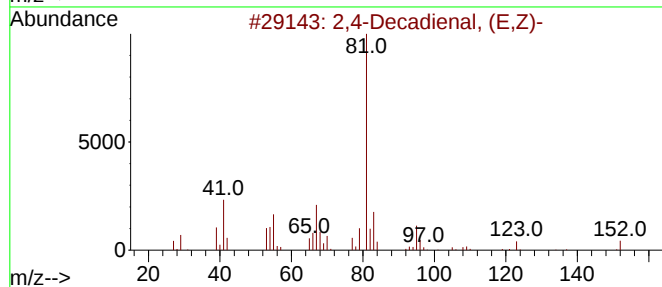
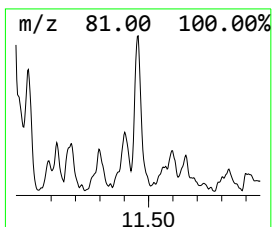
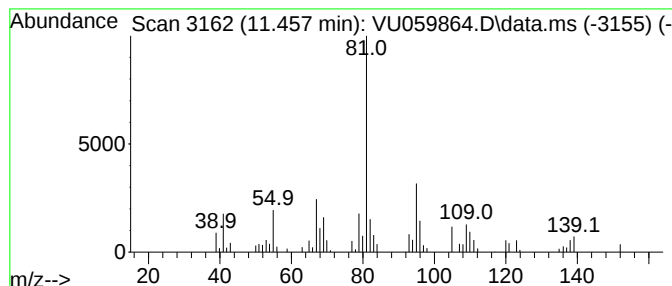
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 9 2,4-Decadienal, (E,Z)- Concentration Rank 12

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.457 | 0.75 ug/L | 74592 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,4-Decadienal, (E,Z)-        | 152 | C10H16O | 025152-83-4 | 59   |
| 2    |    |   | 2,4-Heptadienal, (E,E)-       | 110 | C7H10O  | 004313-03-5 | 47   |
| 3    |    |   | Thujone                       | 152 | C10H16O | 000546-80-5 | 47   |
| 4    |    |   | Fenchone                      | 152 | C10H16O | 001195-79-5 | 46   |
| 5    |    |   | 1,4-Pentadiene, 3,3-dimethyl- | 96  | C7H12   | 001112-35-2 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

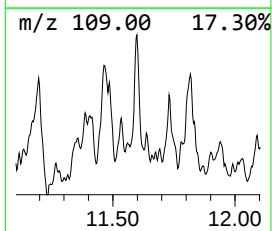
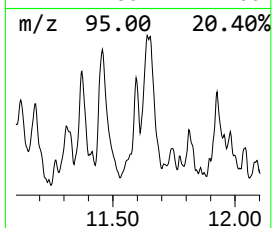
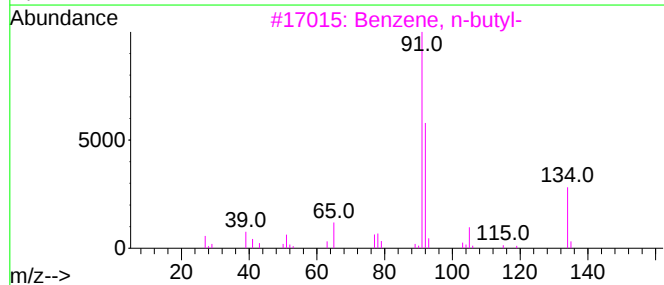
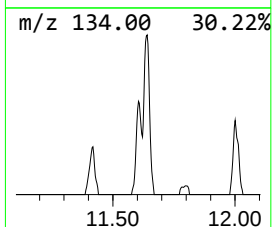
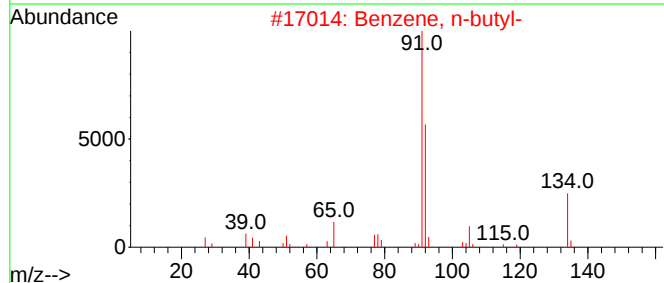
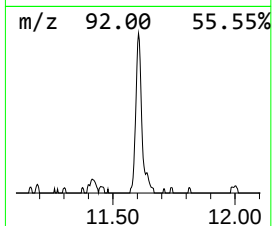
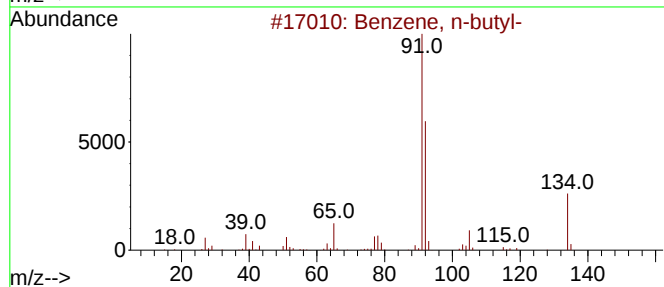
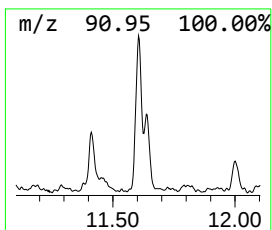
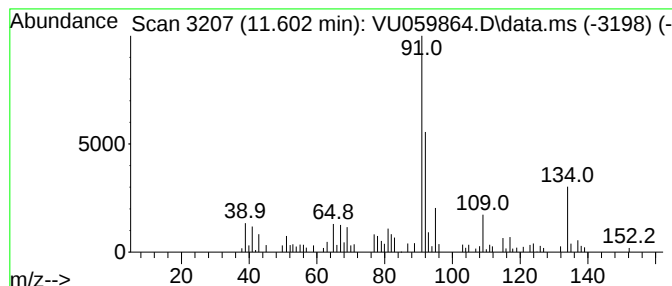
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 10 Benzene, n-butyl- Concentration Rank 19

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.602 | 0.56 ug/L | 55812 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, n-butyl-          | 134 | C10H14  | 000104-51-8 | 60   |
| 2    |    |   | Benzene, n-butyl-          | 134 | C10H14  | 000104-51-8 | 60   |
| 3    |    |   | Benzene, n-butyl-          | 134 | C10H14  | 000104-51-8 | 60   |
| 4    |    |   | Benzene, (2-methylpropyl)- | 134 | C10H14  | 000538-93-2 | 58   |
| 5    |    |   | Benzene, n-butyl-          | 134 | C10H14  | 000104-51-8 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

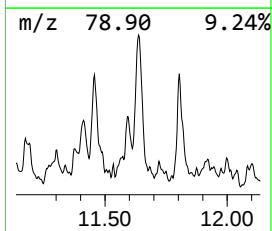
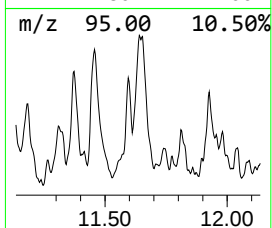
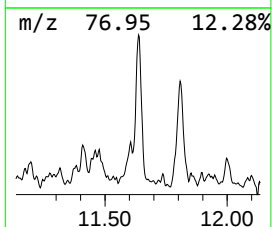
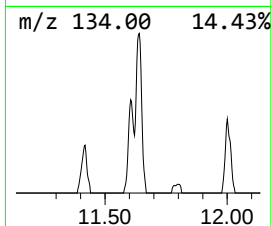
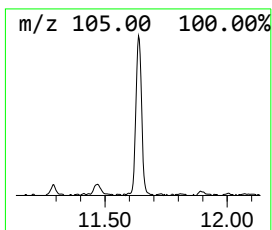
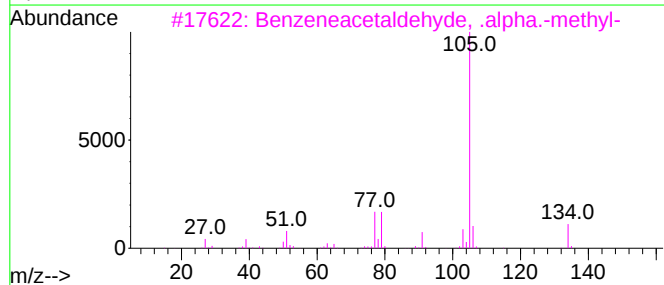
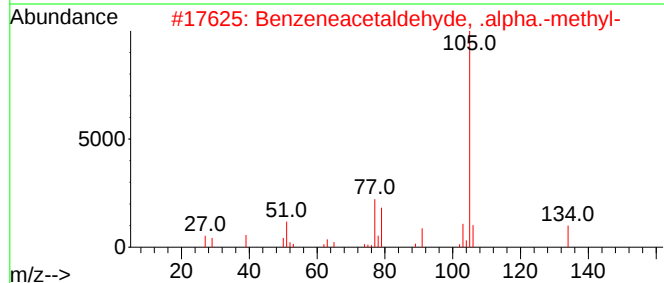
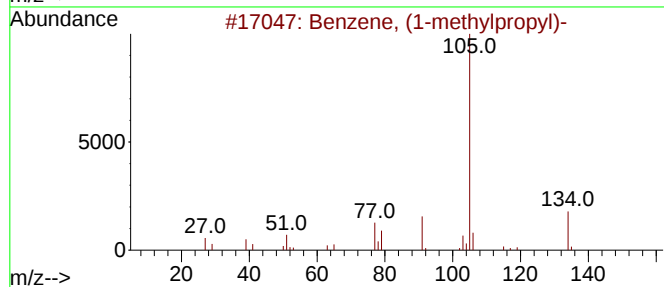
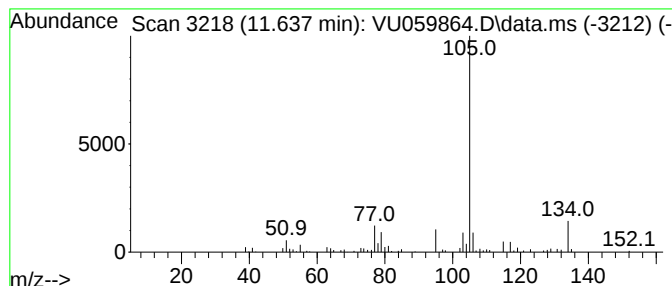
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 11 Benzene, (1-methylpropyl)- Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.637 | 1.09 ug/L | 108100 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-methylpropyl)-          | 134 | C10H14  | 000135-98-8 | 74   |
| 2    |    |   | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O  | 000093-53-8 | 74   |
| 3    |    |   | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O  | 000093-53-8 | 72   |
| 4    |    |   | Benzene, 1-methyl-2-propyl-         | 134 | C10H14  | 001074-17-5 | 72   |
| 5    |    |   | Benzene, 1-methyl-4-propyl-         | 134 | C10H14  | 001074-55-1 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

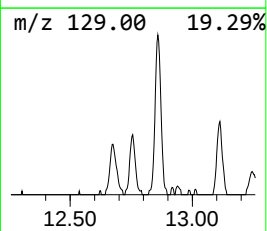
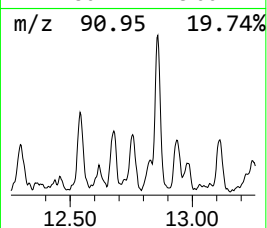
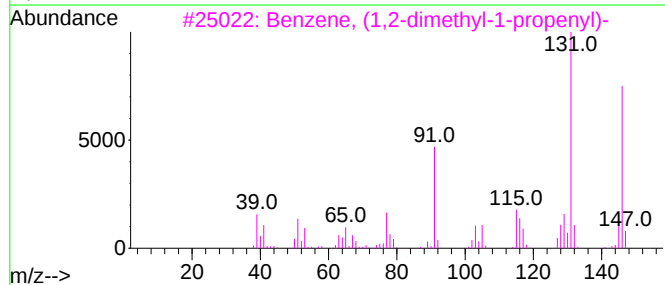
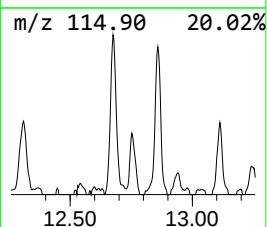
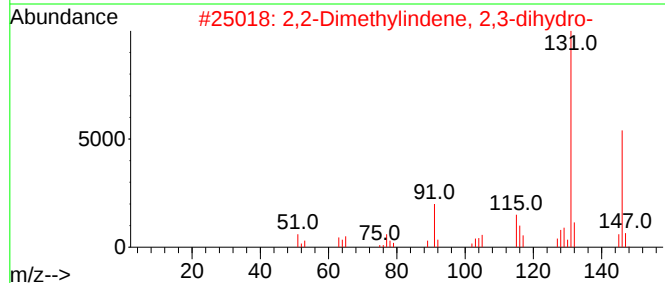
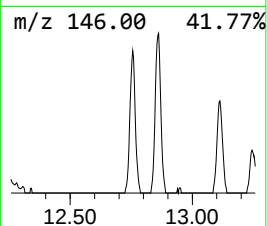
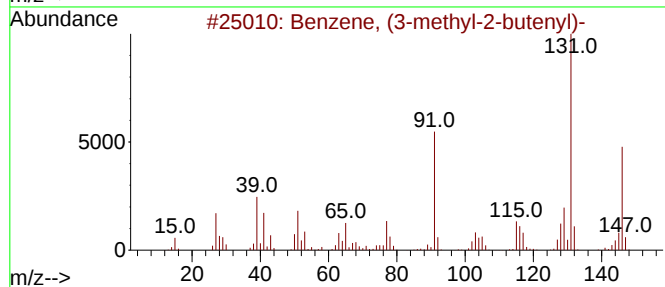
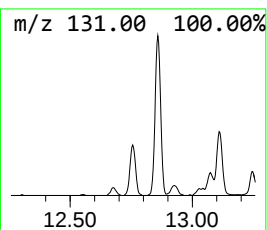
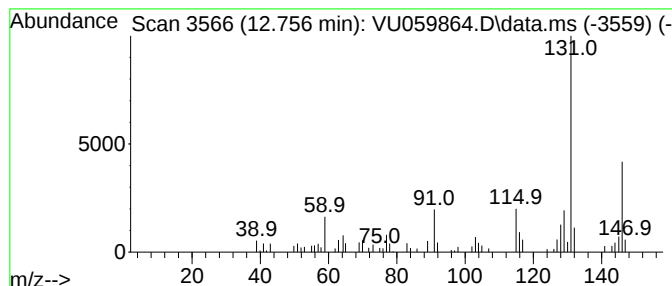
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 12 Benzene, (3-methyl-2-butenyl)- Concentration Rank 16

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.756 | 0.64 ug/L | 63276 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 96   |
| 2    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 95   |
| 3    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 90   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 87   |
| 5    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

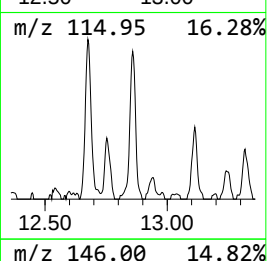
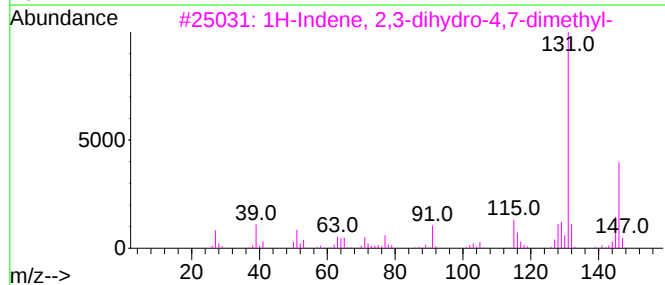
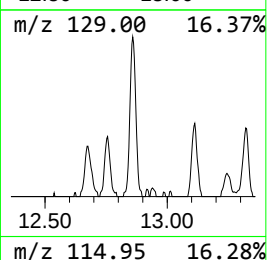
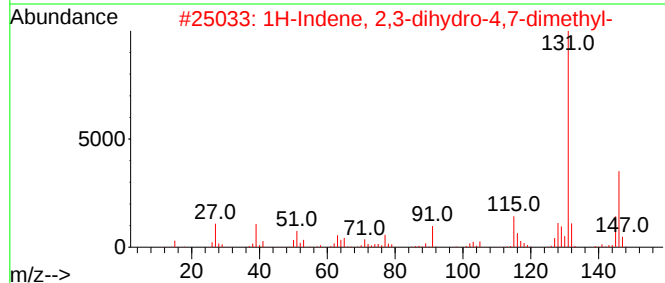
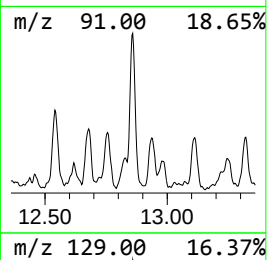
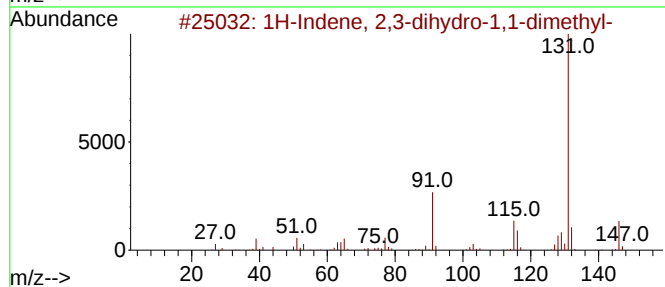
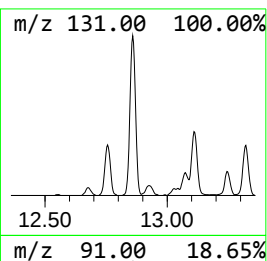
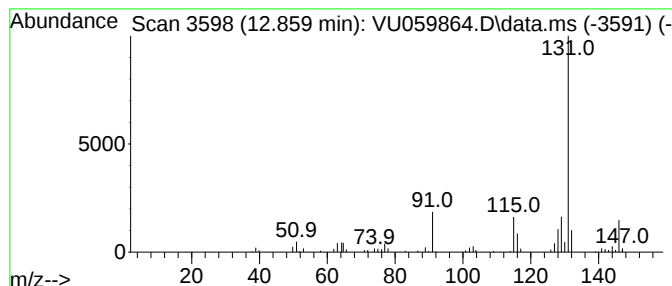
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 13 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.859 | 1.09 ug/L | 108749 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 94   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 91   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 91   |
| 4    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 90   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0

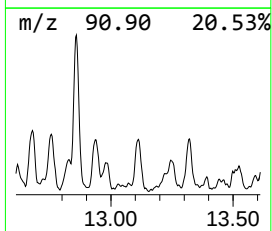
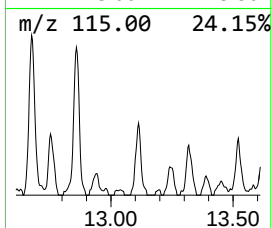
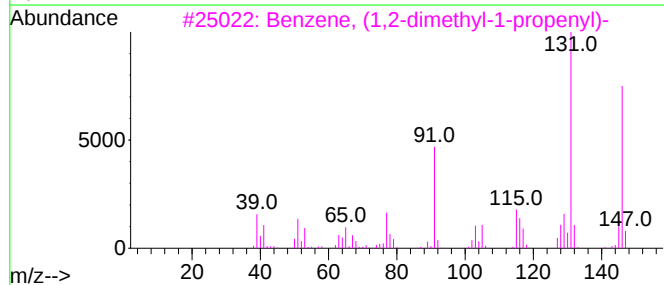
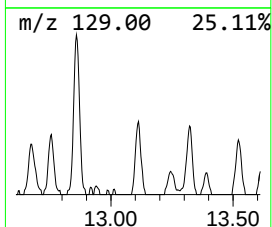
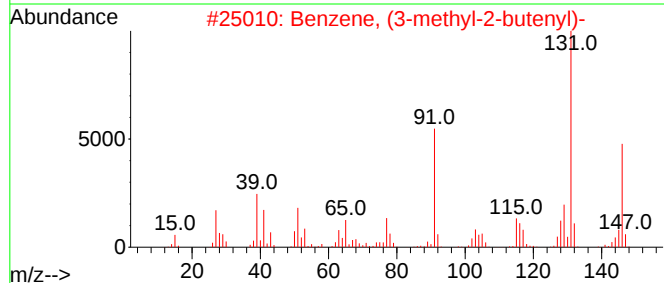
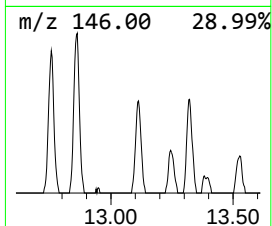
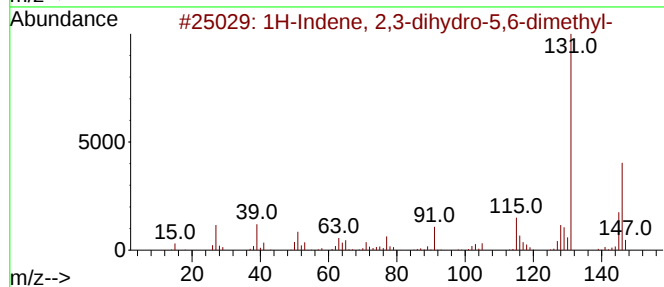
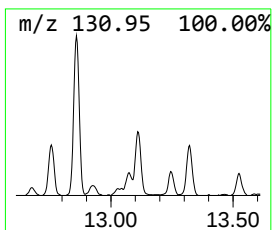
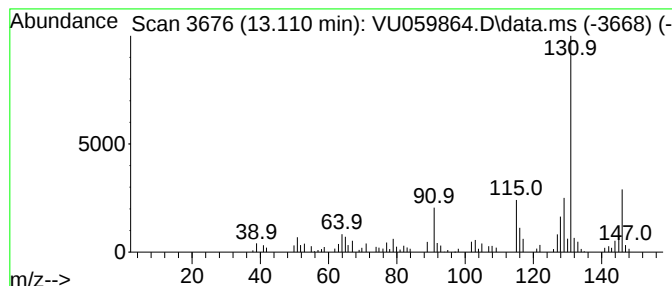
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 13

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.110 | 0.75 ug/L | 74240 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 87   |
| 2    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 80   |
| 3    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 72   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 72   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

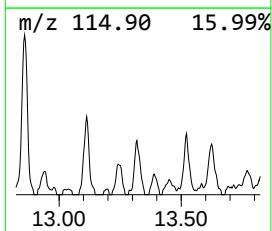
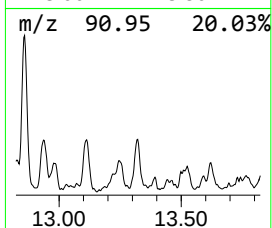
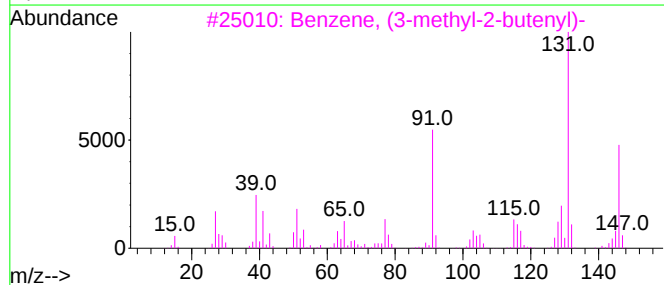
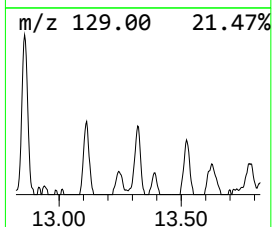
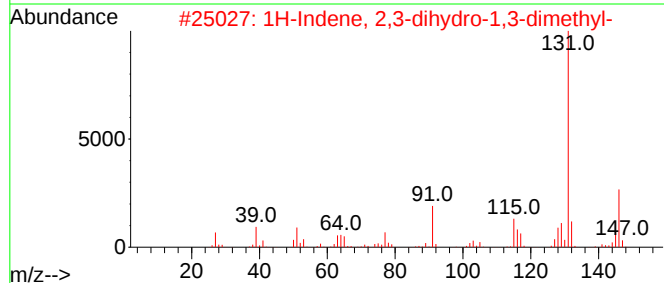
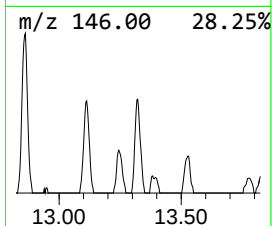
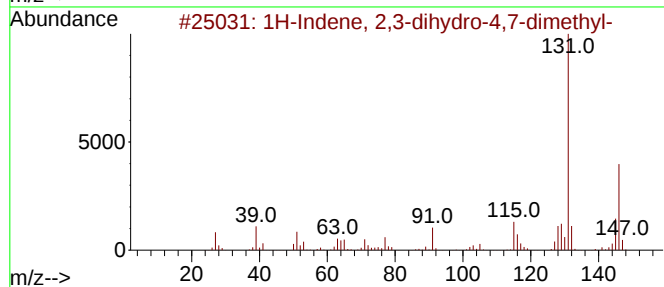
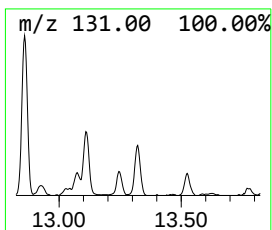
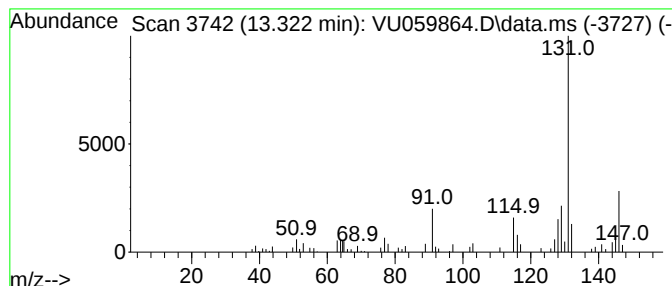
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 15 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.322 | 0.54 ug/L | 53554 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 90   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 90   |
| 3    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 90   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 87   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

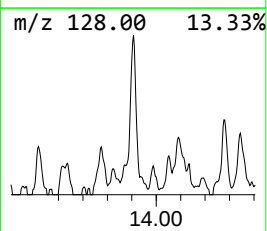
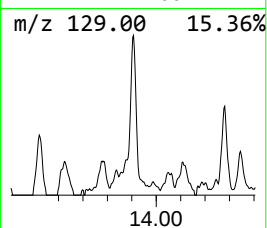
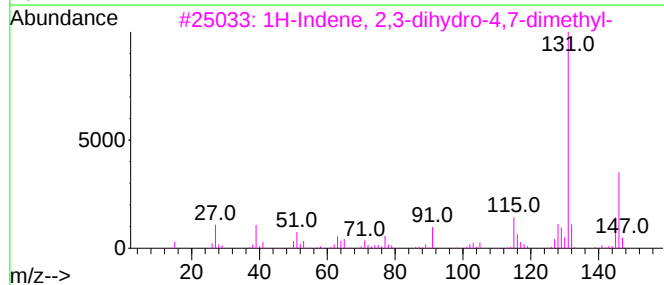
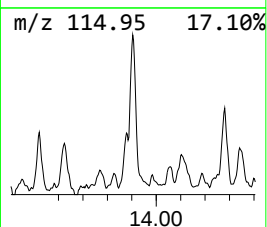
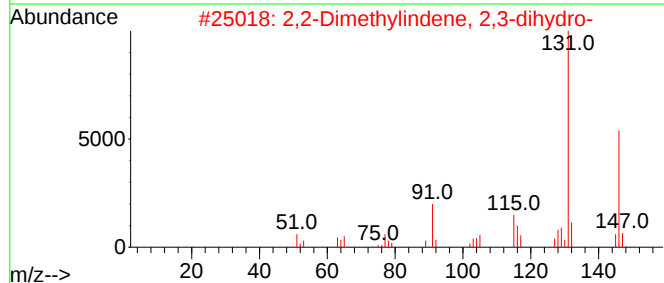
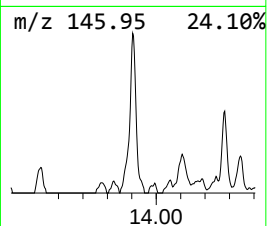
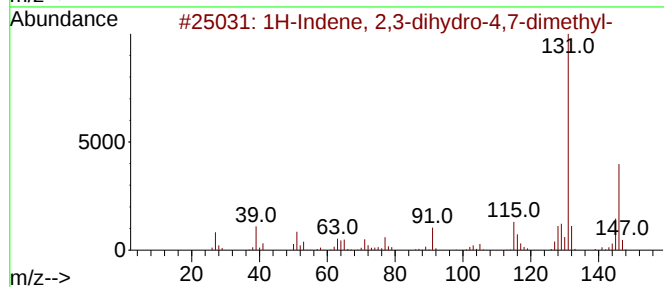
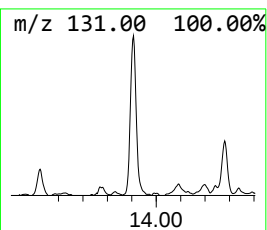
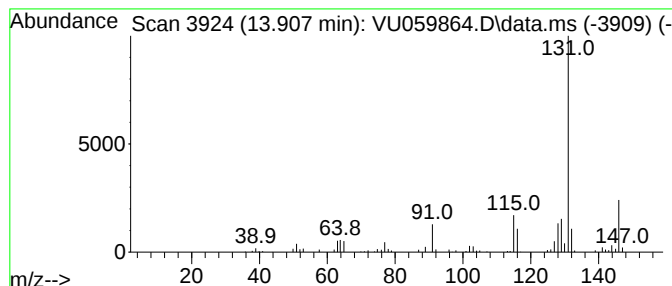
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 16 2,2-Dimethylindene, 2,3-dih... Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.907 | 1.02 ug/L | 101712 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 2    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 91   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 91   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 91   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

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Quant Title : TRACE VOA SFAM1.0

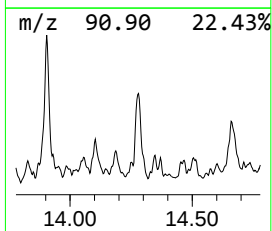
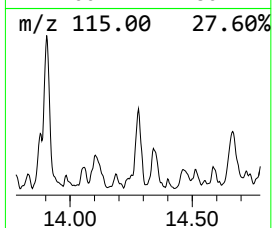
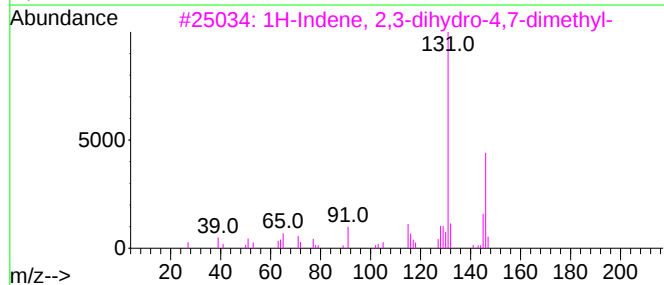
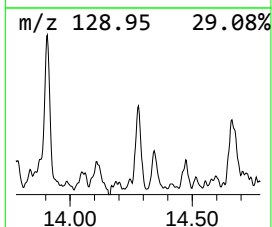
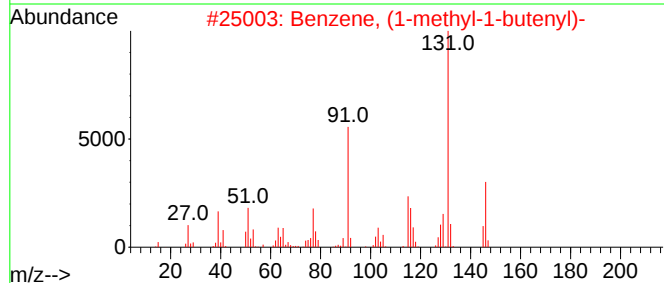
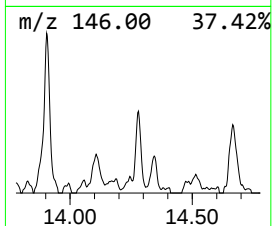
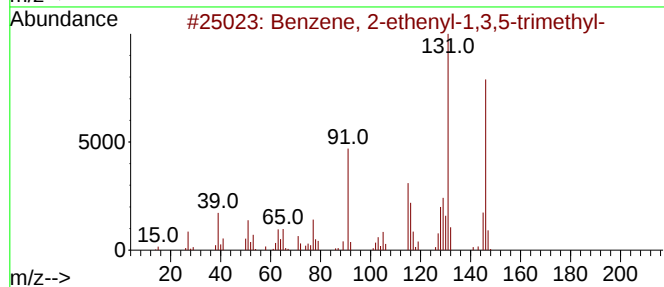
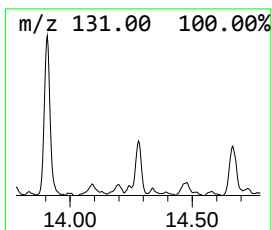
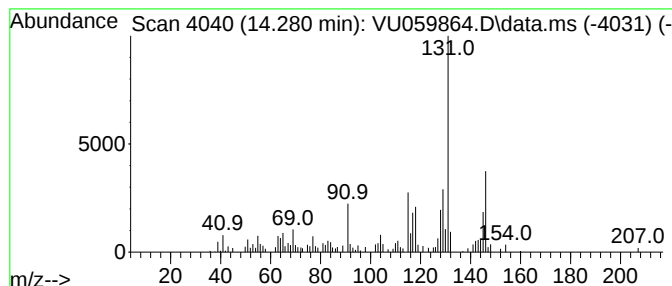
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TIC Integration Parameters: LSCINT.P

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Peak Number 17 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.280 | 0.69 ug/L | 68898 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 72   |
| 2    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 64   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 62   |
| 4    |    |   | Benzene, 1,3-bis(1-buten-3-yl)-     | 186 | C14H18  | 158117-62-5 | 59   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

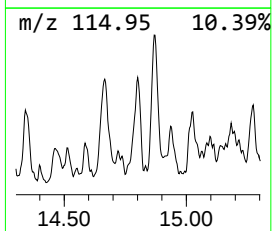
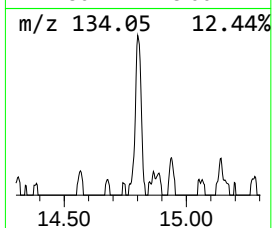
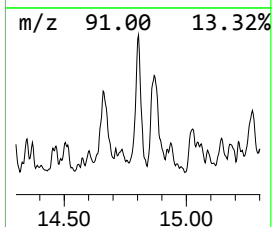
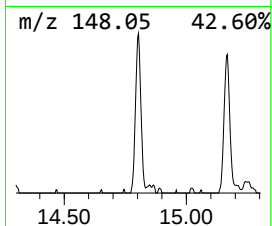
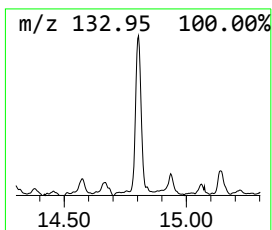
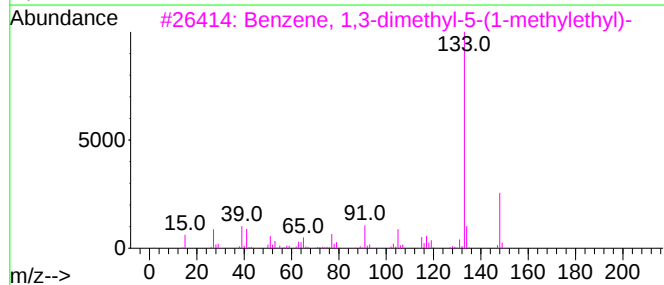
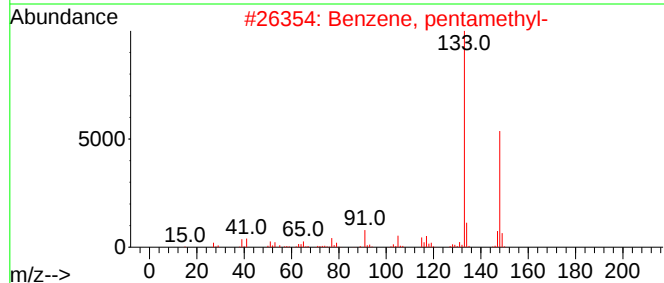
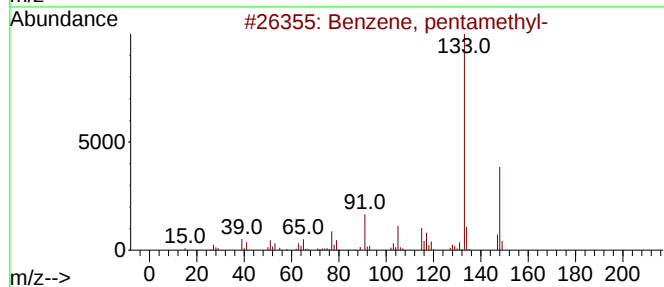
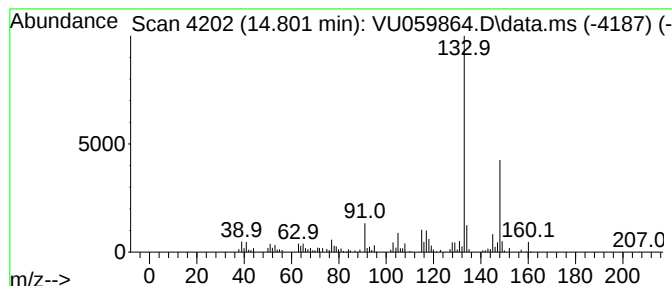
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 19 Benzene, pentamethyl- Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.801 | 0.93 ug/L | 92453 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 90   |
| 2    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 87   |
| 3    |    |   | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5 | 87   |
| 4    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 87   |
| 5    |    |   | Benzene, 1-ethyl-2,4,5-trimethyl-   | 148 | C11H16  | 017851-27-3 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

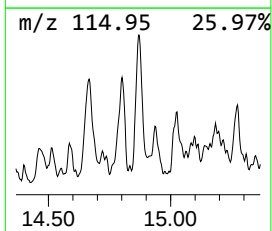
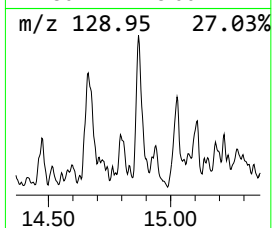
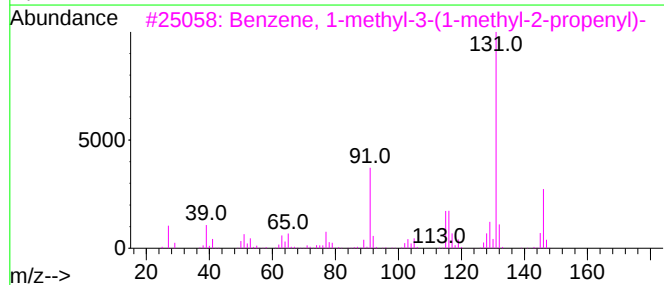
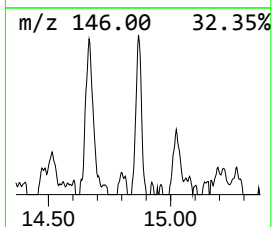
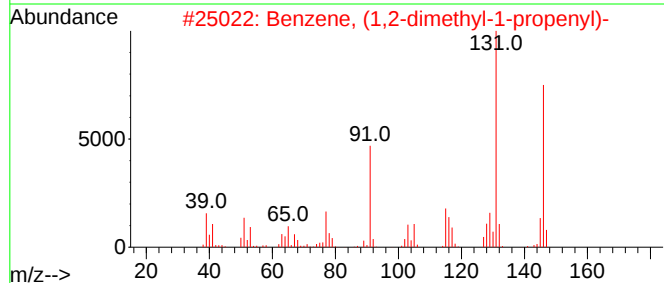
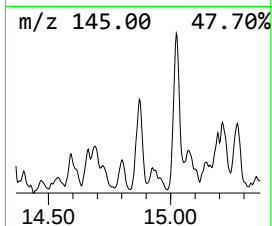
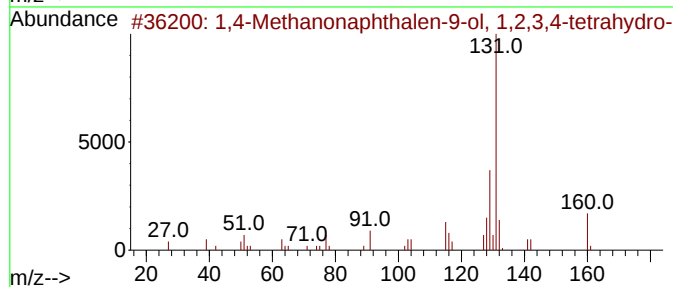
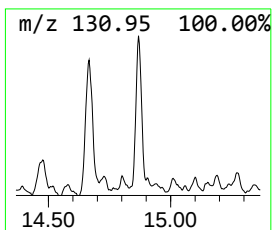
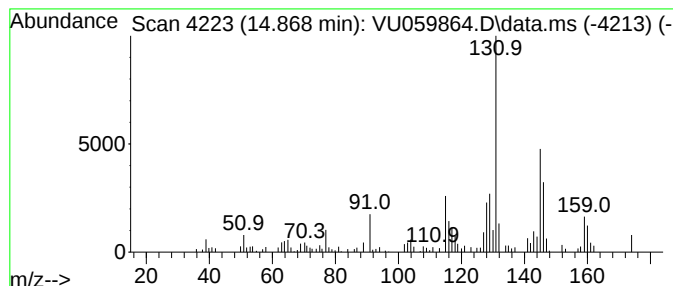
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 20 1,4-Methanonaphthalen-9-ol,... Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.868 | 0.77 ug/L | 77027 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,4-Methanonaphthalen-9-ol, 1,2,... | 160 | C11H12O | 055255-94-2 | 60   |
| 2    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 60   |
| 3    |    |   | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14  | 052161-57-6 | 55   |
| 4    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 53   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

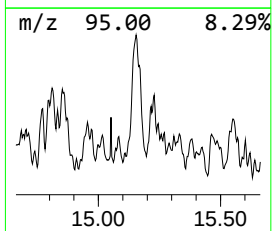
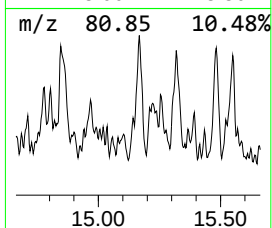
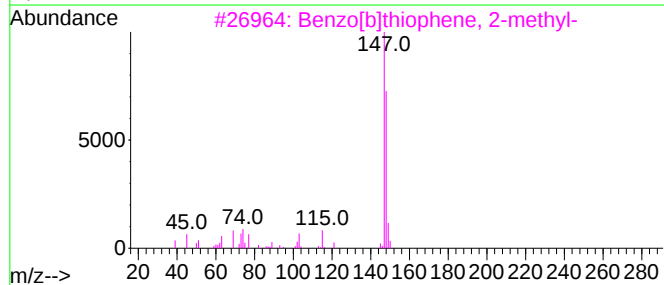
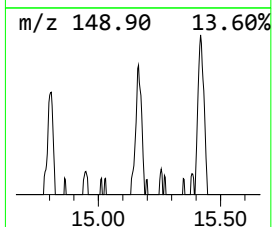
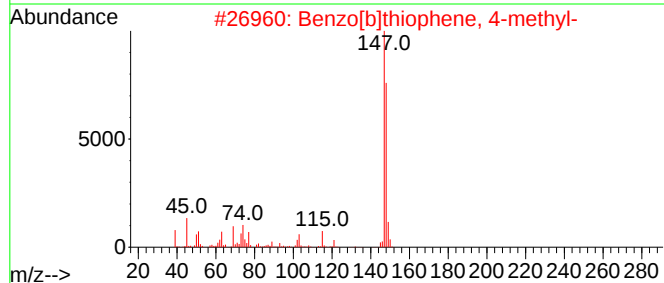
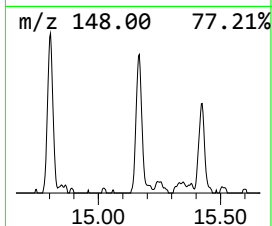
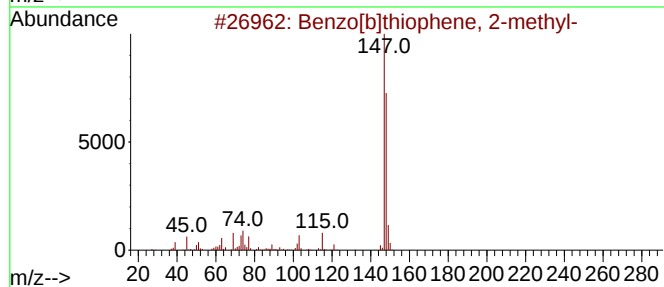
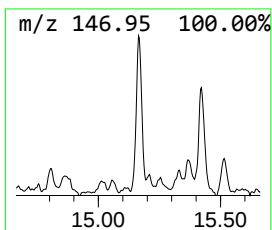
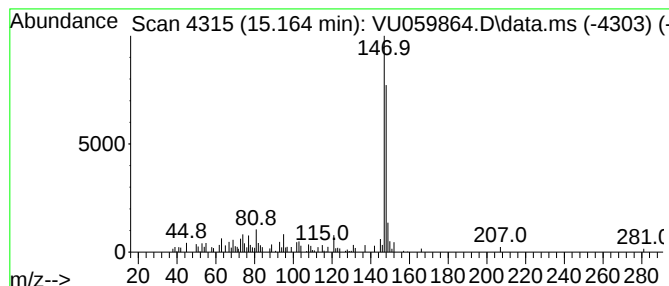
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 21 Benzo[b]thiophene, 2-methyl- Concentration Rank 15

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.164 | 0.65 ug/L | 65127 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S   | 001195-14-8 | 90   |
| 2    |    |   | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S   | 014315-11-8 | 87   |
| 3    |    |   | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S   | 001195-14-8 | 87   |
| 4    |    |   | Benzo[b]thiophene, 5-methyl- | 148 | C9H8S   | 014315-14-1 | 87   |
| 5    |    |   | 3-Methylbenzothiophene       | 148 | C9H8S   | 001455-18-1 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

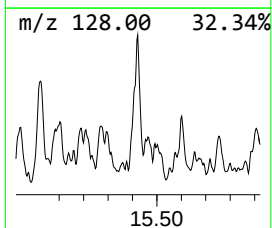
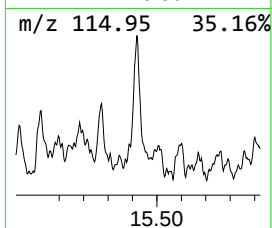
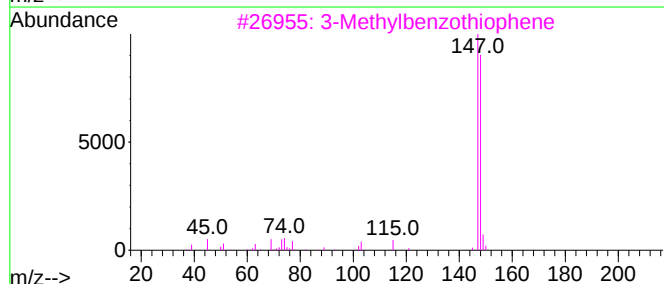
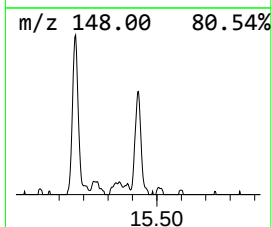
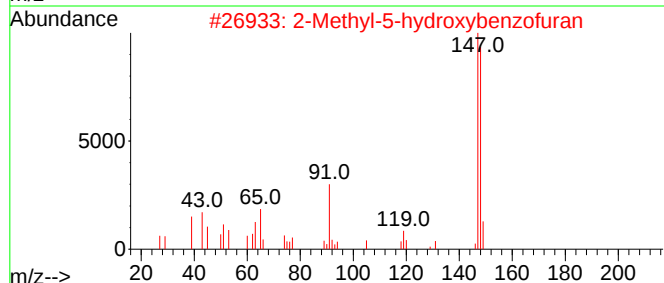
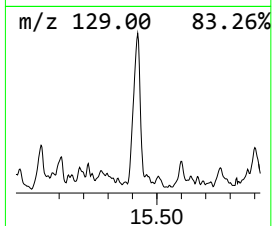
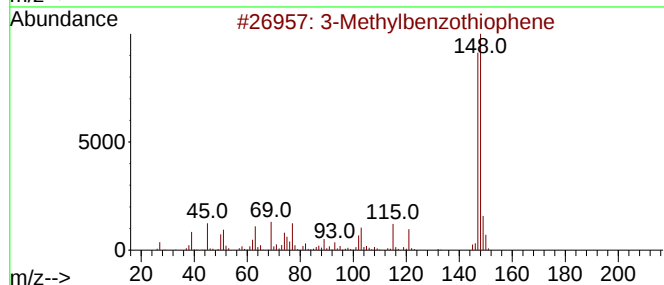
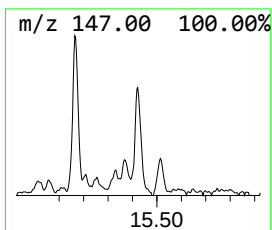
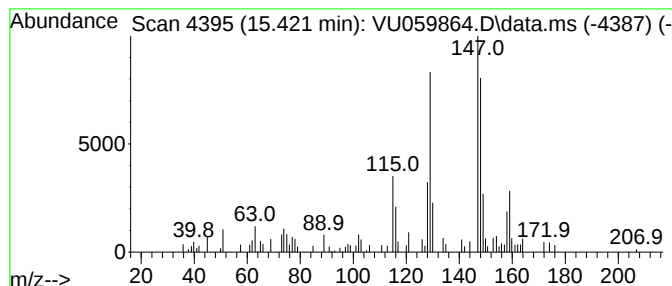
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Peak Number 22 unknown-03 Concentration Rank 21

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.422 | 0.51 ug/L | 50713 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Methylbenzothiophene               | 148 | C9H8S   | 001455-18-1 | 41   |
| 2    |    |   | 2-Methyl-5-hydroxybenzofuran         | 148 | C9H8O2  | 006769-56-8 | 38   |
| 3    |    |   | 3-Methylbenzothiophene               | 148 | C9H8S   | 001455-18-1 | 38   |
| 4    |    |   | Pyrrrole-3-carbonitrile, 5-formyl... | 148 | C8H8N2O | 032487-71-1 | 38   |
| 5    |    |   | 1,4-Benzenedicarboxaldehyde, 2-m...  | 148 | C9H8O2  | 027587-17-3 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
Data File : VU059864.D  
Acq On : 05 Jul 2024 16:07  
Operator : MD/SY  
Sample : P3137-14  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZK4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.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 |
| Thiophene          | 6.017  | 0.8     | ug/L  | 54292    | 1                     | 6.245  | 328435 | 5.0  |
| Thiophene, 3-me... | 8.097  | 0.8     | ug/L  | 88081    | 2                     | 9.412  | 559739 | 5.0  |
| 1-Methyl-2-meth... | 10.541 | 0.6     | ug/L  | 65112    | 2                     | 9.412  | 559739 | 5.0  |
| unknown-01         | 10.692 | 0.8     | ug/L  | 75375    | 3                     | 11.807 | 497417 | 5.0  |
| Cyclopentene, 1... | 10.939 | 1.4     | ug/L  | 137702   | 3                     | 11.807 | 497417 | 5.0  |
| unknown-02         | 11.007 | 0.5     | ug/L  | 50344    | 3                     | 11.807 | 497417 | 5.0  |
| Bicyclo[3.1.0]h... | 11.181 | 0.6     | ug/L  | 57971    | 3                     | 11.807 | 497417 | 5.0  |
| 2,4-Decadienal,... | 11.457 | 0.8     | ug/L  | 74592    | 3                     | 11.807 | 497417 | 5.0  |
| Benzene, n-butyl-  | 11.602 | 0.6     | ug/L  | 55812    | 3                     | 11.807 | 497417 | 5.0  |
| Benzene, (1-met... | 11.637 | 1.1     | ug/L  | 108100   | 3                     | 11.807 | 497417 | 5.0  |
| Benzene, (3-met... | 12.756 | 0.6     | ug/L  | 63276    | 3                     | 11.807 | 497417 | 5.0  |
| 1H-Indene, 2,3-... | 12.859 | 1.1     | ug/L  | 108749   | 3                     | 11.807 | 497417 | 5.0  |
| 1H-Indene, 2,3-... | 13.110 | 0.8     | ug/L  | 74240    | 3                     | 11.807 | 497417 | 5.0  |
| 1H-Indene, 2,3-... | 13.322 | 0.5     | ug/L  | 53554    | 3                     | 11.807 | 497417 | 5.0  |
| 2,2-Dimethylind... | 13.907 | 1.0     | ug/L  | 101712   | 3                     | 11.807 | 497417 | 5.0  |
| Benzene, 2-ethe... | 14.280 | 0.7     | ug/L  | 68898    | 3                     | 11.807 | 497417 | 5.0  |
| Benzene, pentam... | 14.801 | 0.9     | ug/L  | 92453    | 3                     | 11.807 | 497417 | 5.0  |
| 1,4-Methanonaph... | 14.868 | 0.8     | ug/L  | 77027    | 3                     | 11.807 | 497417 | 5.0  |
| Benzo[b]thiophe... | 15.164 | 0.7     | ug/L  | 65127    | 3                     | 11.807 | 497417 | 5.0  |
| unknown-03         | 15.422 | 0.5     | ug/L  | 50713    | 3                     | 11.807 | 497417 | 5.0  |