

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040924\  
 Data File : VV035072.D  
 Acq On : 09 Apr 2024 11:03  
 Operator : SY/MD  
 Sample : P2017-03  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH5E4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

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\_V\Method\SFAMVLM032624WMA.M  
 Title : VOC Analysis

Signal : TIC: VV035072.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         | 1.278       | 67            | 74          | 90           | rBV      | 199446         | 211741        | 14.25%          | 1.974%        |
| 2         | 1.349       | 92            | 96          | 104          | rVB      | 19533          | 20627         | 1.39%           | 0.192%        |
| 3         | 1.526       | 144           | 151         | 164          | rVB      | 175537         | 207439        | 13.96%          | 1.934%        |
| 4         | 2.056       | 307           | 316         | 327          | rBV      | 332642         | 475667        | 32.02%          | 4.435%        |
| 5         | 2.445       | 428           | 437         | 452          | rVB2     | 27909          | 46764         | 3.15%           | 0.436%        |
| 6         | 2.622       | 490           | 492         | 493          | rBV      | 299            | 124           | 0.01%           | 0.001%        |
| 7         | 2.841       | 558           | 560         | 564          | rVB2     | 416            | 264           | 0.02%           | 0.002%        |
| 8         | 2.998       | 606           | 609         | 612          | rBV2     | 395            | 214           | 0.01%           | 0.002%        |
| 9         | 3.082       | 629           | 635         | 636          | rBV3     | 512            | 474           | 0.03%           | 0.004%        |
| 10        | 3.166       | 658           | 661         | 663          | rBV      | 305            | 193           | 0.01%           | 0.002%        |
| 11        | 3.198       | 668           | 671         | 672          | rBV2     | 286            | 166           | 0.01%           | 0.002%        |
| 12        | 3.249       | 685           | 687         | 689          | rBV      | 328            | 199           | 0.01%           | 0.002%        |
| 13        | 3.294       | 697           | 701         | 702          | rBV2     | 401            | 261           | 0.02%           | 0.002%        |
| 14        | 3.391       | 728           | 731         | 732          | rBV      | 285            | 197           | 0.01%           | 0.002%        |
| 15        | 3.436       | 743           | 745         | 746          | rBV2     | 464            | 153           | 0.01%           | 0.001%        |
| 16        | 3.519       | 769           | 771         | 773          | rBV      | 242            | 133           | 0.01%           | 0.001%        |
| 17        | 3.539       | 773           | 777         | 780          | rVV2     | 306            | 240           | 0.02%           | 0.002%        |
| 18        | 3.574       | 786           | 788         | 789          | rVB2     | 333            | 109           | 0.01%           | 0.001%        |
| 19        | 3.609       | 797           | 799         | 801          | rBV2     | 164            | 98            | 0.01%           | 0.001%        |
| 20        | 3.632       | 804           | 806         | 808          | rVB2     | 227            | 97            | 0.01%           | 0.001%        |
| 21        | 3.648       | 808           | 811         | 814          | rBV2     | 496            | 315           | 0.02%           | 0.003%        |
| 22        | 3.687       | 820           | 823         | 825          | rBV2     | 317            | 163           | 0.01%           | 0.002%        |
| 23        | 3.699       | 825           | 827         | 828          | rBV      | 203            | 78            | 0.01%           | 0.001%        |
| 24        | 3.741       | 837           | 840         | 842          | rBV2     | 412            | 318           | 0.02%           | 0.003%        |
| 25        | 3.783       | 842           | 853         | 888          | rBV      | 111465         | 326552        | 21.98%          | 3.044%        |
| 26        | 4.246       | 982           | 997         | 1032         | rBV      | 236540         | 644647        | 43.40%          | 6.010%        |
| 27        | 4.584       | 1099          | 1102        | 1106         | rBV2     | 766            | 582           | 0.04%           | 0.005%        |
| 28        | 4.690       | 1131          | 1135        | 1139         | rBV4     | 387            | 354           | 0.02%           | 0.003%        |
| 29        | 4.838       | 1177          | 1181        | 1184         | rBV2     | 494            | 427           | 0.03%           | 0.004%        |
| 30        | 4.953       | 1199          | 1217        | 1253         | rBV2     | 562122         | 1485442       | 100.00%         | 13.849%       |
| 31        | 5.426       | 1362          | 1364        | 1366         | rVB3     | 499            | 167           | 0.01%           | 0.002%        |
| 32        | 5.532       | 1386          | 1397        | 1436         | rBV      | 352747         | 748937        | 50.42%          | 6.982%        |
| 33        | 5.931       | 1519          | 1521        | 1524         | rBV3     | 432            | 308           | 0.02%           | 0.003%        |
| 34        | 5.985       | 1526          | 1538        | 1565         | rVV      | 329384         | 688174        | 46.33%          | 6.416%        |
| 35        | 6.442       | 1670          | 1680        | 1694         | rBV5     | 6516           | 14359         | 0.97%           | 0.134%        |
| 36        | 6.519       | 1700          | 1704        | 1710         | rVB6     | 513            | 563           | 0.04%           | 0.005%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040924\  
 Data File : VV035072.D  
 Acq On : 09 Apr 2024 11:03  
 Operator : SY/MD  
 Sample : P2017-03  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH5E4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

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\_V\Method\SFAMVLM032624WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 6.911  | 1816 | 1826 | 1854 | rBV2 | 161495 | 315772  | 21.26% | 2.944%  |
| 38 | 7.243  | 1918 | 1929 | 1955 | rBV  | 605192 | 1082121 | 72.85% | 10.089% |
| 39 | 7.551  | 2016 | 2025 | 2052 | rBV  | 110674 | 208107  | 14.01% | 1.940%  |
| 40 | 7.792  | 2098 | 2100 | 2102 | rVB3 | 563    | 200     | 0.01%  | 0.002%  |
| 41 | 7.815  | 2106 | 2107 | 2108 | rBV  | 499    | 156     | 0.01%  | 0.001%  |
| 42 | 7.911  | 2132 | 2137 | 2139 | rBV3 | 509    | 447     | 0.03%  | 0.004%  |
| 43 | 7.953  | 2148 | 2150 | 2157 | rVB5 | 884    | 777     | 0.05%  | 0.007%  |
| 44 | 8.024  | 2157 | 2172 | 2213 | rBV2 | 302606 | 662370  | 44.59% | 6.175%  |
| 45 | 8.616  | 2353 | 2356 | 2358 | rBV  | 461    | 215     | 0.01%  | 0.002%  |
| 46 | 8.628  | 2358 | 2360 | 2366 | rVB3 | 605    | 519     | 0.03%  | 0.005%  |
| 47 | 8.657  | 2366 | 2369 | 2370 | rBV3 | 410    | 189     | 0.01%  | 0.002%  |
| 48 | 8.783  | 2397 | 2408 | 2440 | rBV  | 549669 | 920755  | 61.99% | 8.584%  |
| 49 | 9.011  | 2477 | 2479 | 2484 | rBV4 | 712    | 449     | 0.03%  | 0.004%  |
| 50 | 9.181  | 2530 | 2532 | 2539 | rBV3 | 633    | 534     | 0.04%  | 0.005%  |
| 51 | 9.210  | 2539 | 2541 | 2544 | rVB  | 469    | 195     | 0.01%  | 0.002%  |
| 52 | 9.323  | 2574 | 2576 | 2580 | rVB  | 403    | 214     | 0.01%  | 0.002%  |
| 53 | 9.358  | 2580 | 2587 | 2590 | rBV3 | 494    | 462     | 0.03%  | 0.004%  |
| 54 | 9.378  | 2591 | 2593 | 2595 | rVB3 | 457    | 202     | 0.01%  | 0.002%  |
| 55 | 9.439  | 2610 | 2612 | 2615 | rBV2 | 367    | 257     | 0.02%  | 0.002%  |
| 56 | 9.493  | 2624 | 2629 | 2631 | rBV2 | 1036   | 772     | 0.05%  | 0.007%  |
| 57 | 9.526  | 2635 | 2639 | 2649 | rVB5 | 1650   | 2461    | 0.17%  | 0.023%  |
| 58 | 9.609  | 2662 | 2665 | 2666 | rBV2 | 499    | 266     | 0.02%  | 0.002%  |
| 59 | 9.670  | 2681 | 2684 | 2685 | rBV2 | 336    | 195     | 0.01%  | 0.002%  |
| 60 | 9.699  | 2691 | 2693 | 2696 | rBV2 | 578    | 394     | 0.03%  | 0.004%  |
| 61 | 9.831  | 2731 | 2734 | 2736 | rBV2 | 638    | 430     | 0.03%  | 0.004%  |
| 62 | 9.844  | 2736 | 2738 | 2743 | rVV2 | 480    | 439     | 0.03%  | 0.004%  |
| 63 | 10.021 | 2789 | 2793 | 2800 | rBV5 | 835    | 1161    | 0.08%  | 0.011%  |
| 64 | 10.072 | 2807 | 2809 | 2810 | rBV5 | 338    | 98      | 0.01%  | 0.001%  |
| 65 | 10.149 | 2816 | 2833 | 2856 | rBV  | 457305 | 729226  | 49.09% | 6.799%  |
| 66 | 10.368 | 2899 | 2901 | 2904 | rBV3 | 447    | 247     | 0.02%  | 0.002%  |
| 67 | 10.410 | 2913 | 2914 | 2916 | rBV2 | 386    | 129     | 0.01%  | 0.001%  |
| 68 | 10.464 | 2927 | 2931 | 2933 | rVB2 | 380    | 246     | 0.02%  | 0.002%  |
| 69 | 10.538 | 2952 | 2954 | 2956 | rBV2 | 222    | 94      | 0.01%  | 0.001%  |
| 70 | 10.558 | 2957 | 2960 | 2962 | rBV4 | 601    | 442     | 0.03%  | 0.004%  |
| 71 | 10.599 | 2971 | 2973 | 2978 | rVB2 | 643    | 424     | 0.03%  | 0.004%  |
| 72 | 10.638 | 2983 | 2985 | 2986 | rBV2 | 236    | 84      | 0.01%  | 0.001%  |
| 73 | 10.677 | 2993 | 2997 | 3001 | rBV3 | 447    | 339     | 0.02%  | 0.003%  |
| 74 | 10.715 | 3005 | 3009 | 3013 | rVV4 | 709    | 512     | 0.03%  | 0.005%  |
| 75 | 10.734 | 3013 | 3015 | 3021 | rVB4 | 490    | 327     | 0.02%  | 0.003%  |
| 76 | 10.767 | 3021 | 3025 | 3029 | rBV3 | 283    | 272     | 0.02%  | 0.003%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040924\  
 Data File : VV035072.D  
 Acq On : 09 Apr 2024 11:03  
 Operator : SY/MD  
 Sample : P2017-03  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH5E4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

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\_V\Method\SFAMVLM032624WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 10.786 | 3029 | 3031 | 3036 | rVB  | 467    | 313    | 0.02%  | 0.003% |
| 78 | 10.863 | 3053 | 3055 | 3056 | rBV2 | 442    | 225    | 0.02%  | 0.002% |
| 79 | 11.127 | 3133 | 3137 | 3141 | rBV5 | 1107   | 1072   | 0.07%  | 0.010% |
| 80 | 11.185 | 3144 | 3155 | 3176 | rBV  | 503922 | 793270 | 53.40% | 7.396% |
| 81 | 11.413 | 3224 | 3226 | 3228 | rBV2 | 905    | 470    | 0.03%  | 0.004% |
| 82 | 11.558 | 3250 | 3271 | 3292 | rBV  | 590612 | 957325 | 64.45% | 8.925% |
| 83 | 12.024 | 3414 | 3416 | 3420 | rBV2 | 875    | 643    | 0.04%  | 0.006% |
| 84 | 12.191 | 3460 | 3468 | 3473 | rBV4 | 959    | 1472   | 0.10%  | 0.014% |
| 85 | 12.316 | 3501 | 3507 | 3520 | rVB2 | 9641   | 14898  | 1.00%  | 0.139% |
| 86 | 12.461 | 3550 | 3552 | 3561 | rVB4 | 1026   | 942    | 0.06%  | 0.009% |
| 87 | 12.551 | 3575 | 3580 | 3581 | rBV3 | 2954   | 2517   | 0.17%  | 0.023% |
| 88 | 12.670 | 3608 | 3617 | 3639 | rVB3 | 23228  | 41549  | 2.80%  | 0.387% |
| 89 | 12.792 | 3653 | 3655 | 3656 | rBV  | 652    | 187    | 0.01%  | 0.002% |
| 90 | 12.905 | 3686 | 3690 | 3693 | rBV2 | 885    | 728    | 0.05%  | 0.007% |
| 91 | 13.098 | 3738 | 3750 | 3766 | rBV2 | 50492  | 87627  | 5.90%  | 0.817% |
| 92 | 14.770 | 4267 | 4270 | 4274 | rBV3 | 1182   | 831    | 0.06%  | 0.008% |
| 93 | 15.924 | 4625 | 4629 | 4640 | rBV  | 14102  | 12911  | 0.87%  | 0.120% |

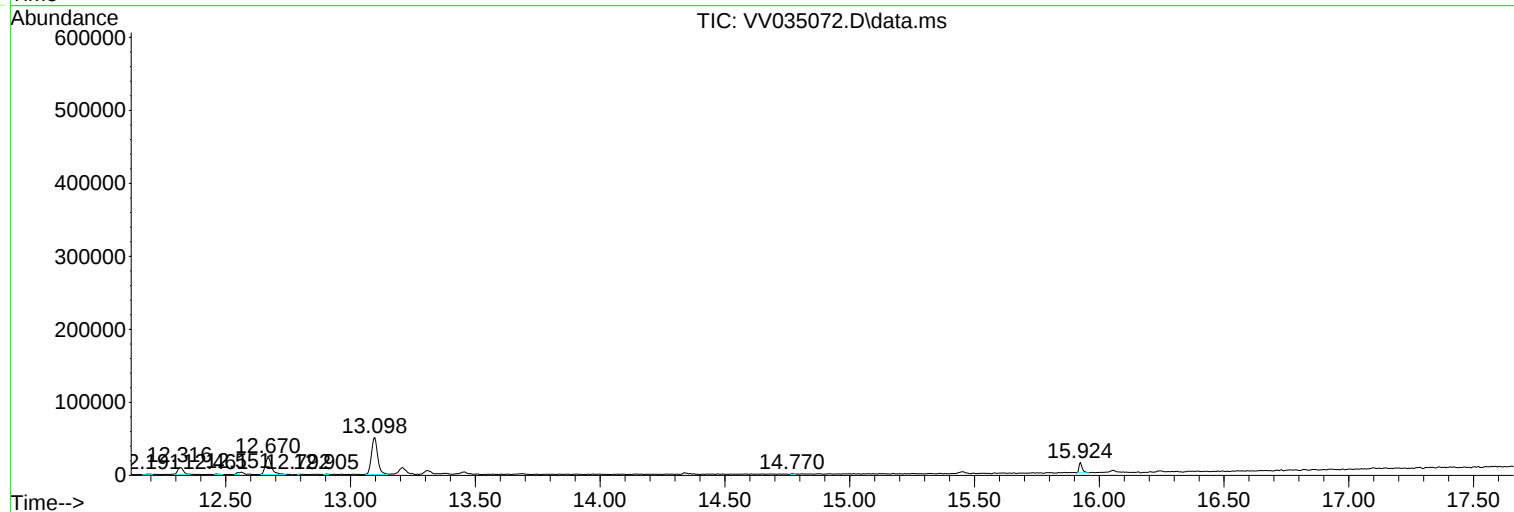
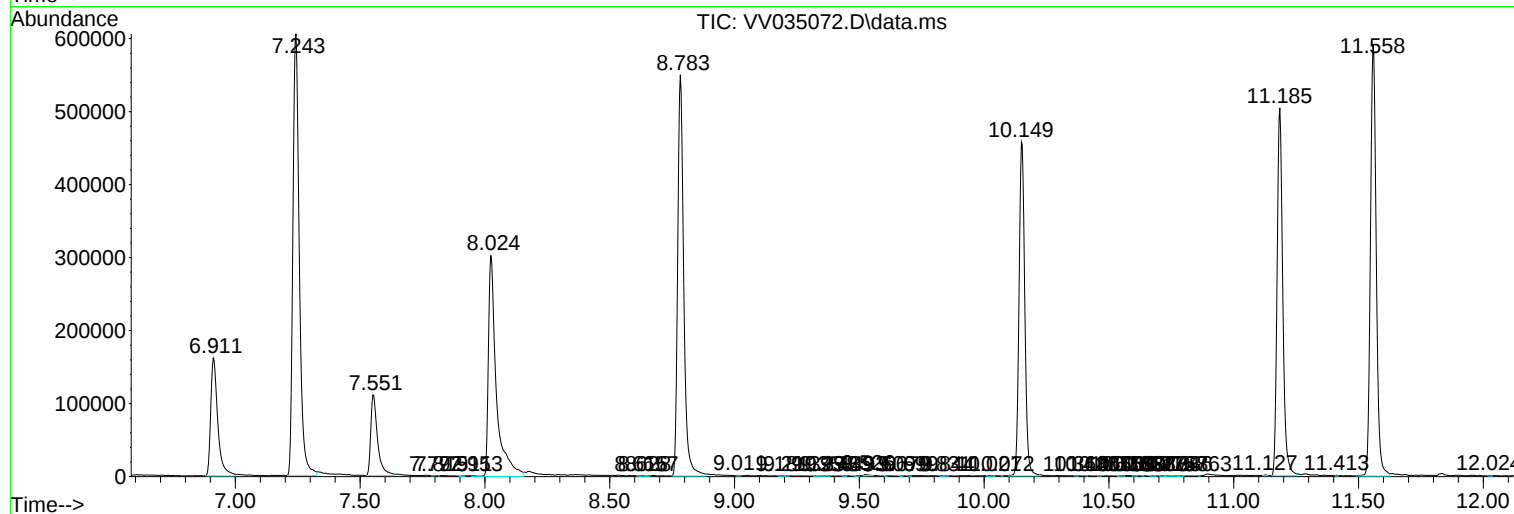
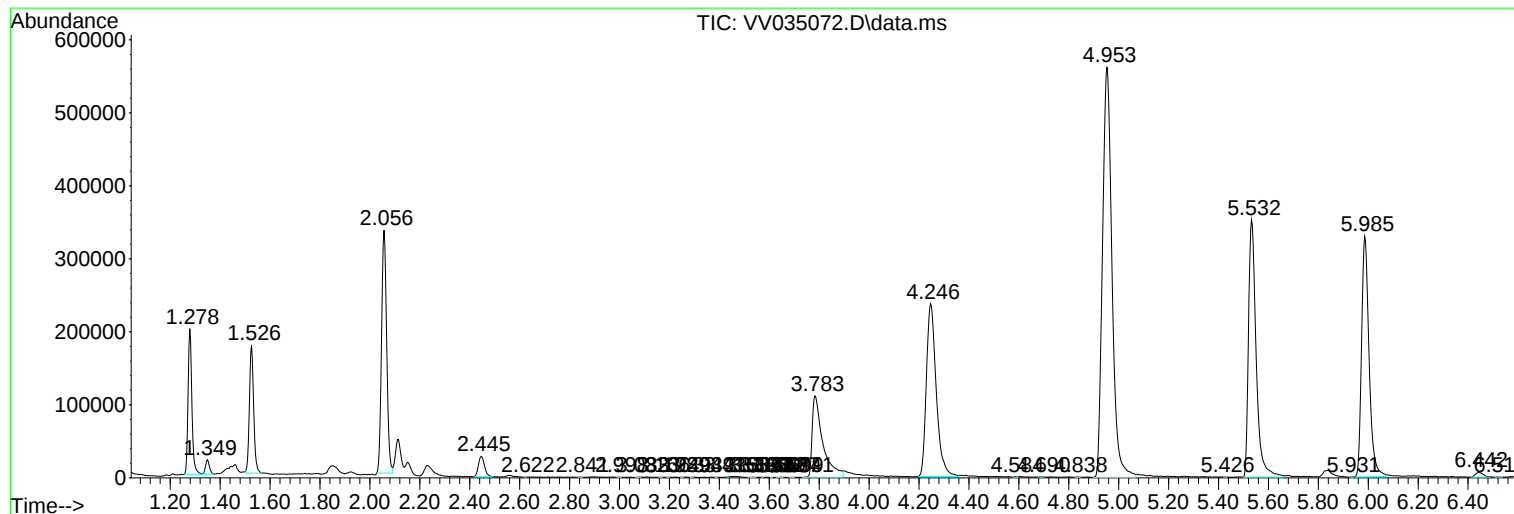
Sum of corrected areas: 10726025

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040924\  
Data File : VV035072.D  
Acq On : 09 Apr 2024 11:03  
Operator : SY/MD  
Sample : P2017-03  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH5E4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040924\  
Data File : VV035072.D  
Acq On : 09 Apr 2024 11:03  
Operator : SY/MD  
Sample : P2017-03  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH5E4

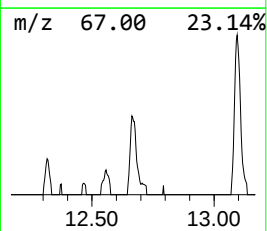
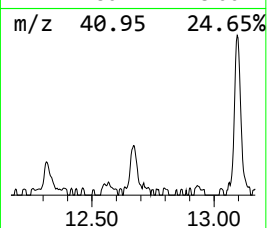
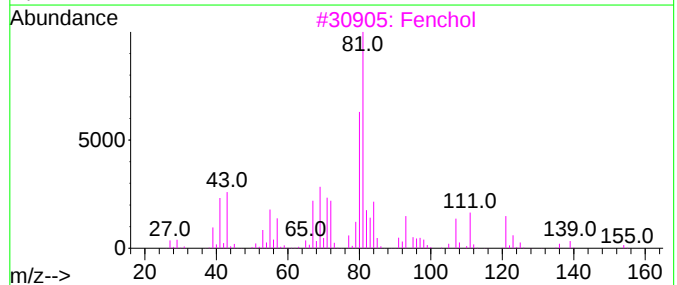
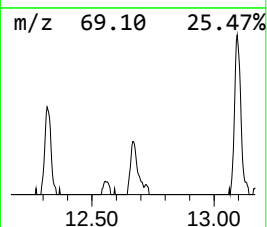
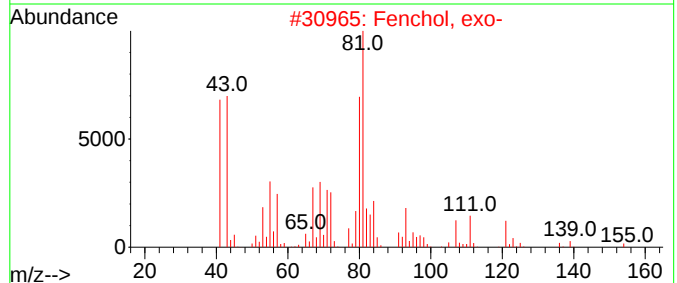
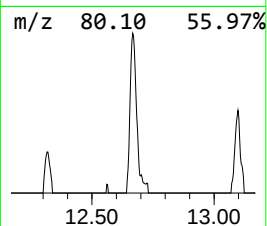
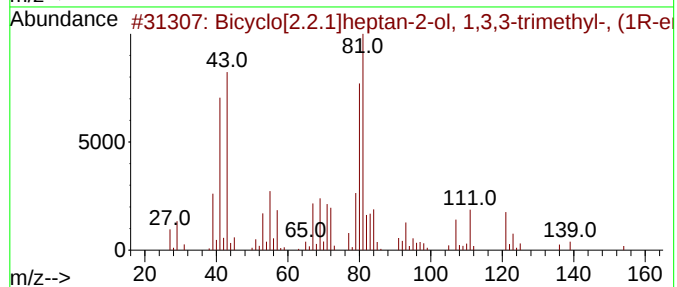
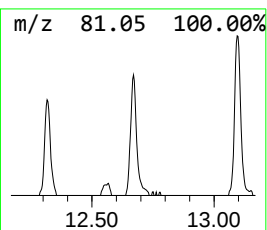
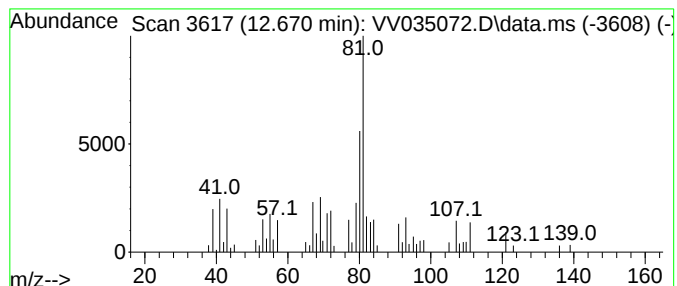
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.670 | 2.62 ug/L | 41549 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Bicyclo[2.2.1]heptan-2-ol, 1,3,3... | 154 | C10H18O    | 002217-02-9 | 86   |
| 2    |    |   | Fenchol, exo-                       | 154 | C10H18O    | 022627-95-8 | 83   |
| 3    |    |   | Fenchol                             | 154 | C10H18O    | 001632-73-1 | 72   |
| 4    |    |   | Fenchol                             | 154 | C10H18O    | 001632-73-1 | 72   |
| 5    |    |   | Trifluoroacetyl-.alpha.-fenchol     | 250 | C12H17F3O2 | 031076-73-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040924\  
Data File : VV035072.D  
Acq On : 09 Apr 2024 11:03  
Operator : SY/MD  
Sample : P2017-03  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH5E4

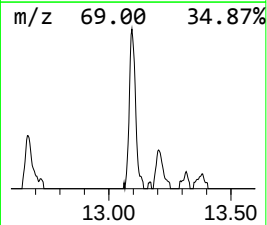
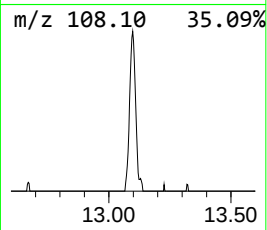
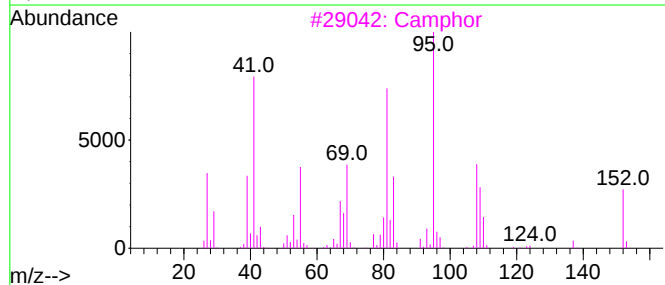
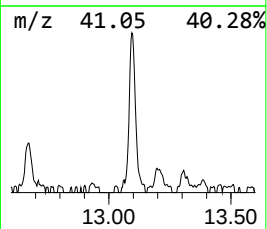
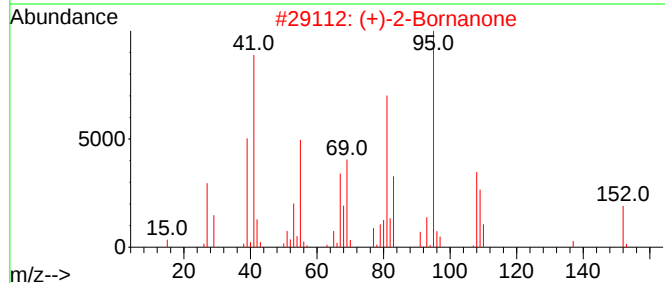
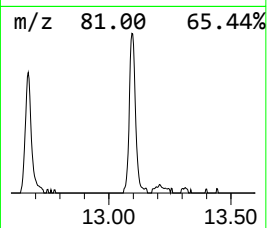
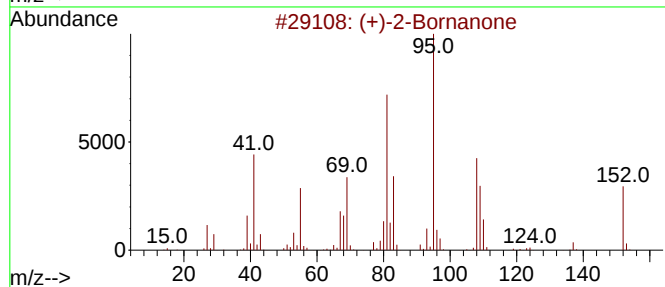
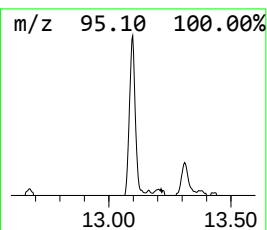
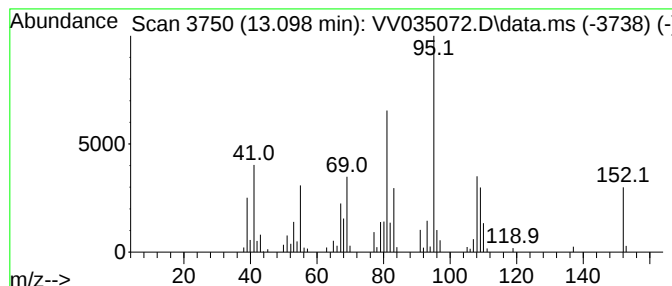
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 (+)-2-Bornanone Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.098 | 5.52 ug/L | 87627 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of              | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------|---|--------------|-----|---------|-------------|------|
| 1    | (+)-2-Bornanone |   |              | 152 | C10H16O | 000464-49-3 | 97   |
| 2    | (+)-2-Bornanone |   |              | 152 | C10H16O | 000464-49-3 | 95   |
| 3    | Camphor         |   |              | 152 | C10H16O | 000076-22-2 | 95   |
| 4    | Camphor         |   |              | 152 | C10H16O | 000076-22-2 | 95   |
| 5    | Camphor         |   |              | 152 | C10H16O | 000076-22-2 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040924\  
Data File : VV035072.D  
Acq On : 09 Apr 2024 11:03  
Operator : SY/MD  
Sample : P2017-03  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH5E4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Bicyclo[2.2.1]h... | 12.670 | 2.6     | ug/L  | 41549    | 3                     | 11.185 | 793270 | 50.0 |
| (+)-2-Bornanone    | 13.098 | 5.5     | ug/L  | 87627    | 3                     | 11.185 | 793270 | 50.0 |