

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041422\  
 Data File : VU048064.D  
 Acq On : 14 Apr 2022 17:30  
 Operator : SY/MD  
 Sample : N2387-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J72

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\_U\Method\SFAMULM032422WMA.M  
 Title : VOC Analysis

Signal : TIC: VU048064.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         | 1.600       | 74            | 81          | 97           | rBV      | 117419         | 137823        | 12.47%          | 1.456%        |
| 2         | 1.915       | 170           | 179         | 201          | rVB      | 100478         | 143802        | 13.01%          | 1.520%        |
| 3         | 2.568       | 370           | 382         | 398          | rBV      | 213503         | 347249        | 31.41%          | 3.670%        |
| 4         | 2.764       | 437           | 443         | 448          | rBV4     | 883            | 976           | 0.09%           | 0.010%        |
| 5         | 2.906       | 484           | 487         | 489          | rBV2     | 379            | 252           | 0.02%           | 0.003%        |
| 6         | 2.941       | 495           | 498         | 500          | rBV2     | 509            | 381           | 0.03%           | 0.004%        |
| 7         | 2.977       | 507           | 509         | 512          | rVB4     | 331            | 199           | 0.02%           | 0.002%        |
| 8         | 2.996       | 512           | 515         | 520          | rBV2     | 335            | 311           | 0.03%           | 0.003%        |
| 9         | 3.047       | 529           | 531         | 534          | rBV2     | 609            | 366           | 0.03%           | 0.004%        |
| 10        | 3.189       | 564           | 575         | 588          | rVB3     | 3414           | 7726          | 0.70%           | 0.082%        |
| 11        | 3.240       | 588           | 591         | 596          | rBV      | 468            | 453           | 0.04%           | 0.005%        |
| 12        | 3.272       | 596           | 601         | 604          | rBV2     | 406            | 453           | 0.04%           | 0.005%        |
| 13        | 3.337       | 617           | 621         | 628          | rBV3     | 306            | 381           | 0.03%           | 0.004%        |
| 14        | 3.459       | 656           | 659         | 663          | rVB      | 309            | 242           | 0.02%           | 0.003%        |
| 15        | 3.591       | 694           | 700         | 706          | rBV2     | 400            | 382           | 0.03%           | 0.004%        |
| 16        | 3.649       | 714           | 718         | 722          | rBV2     | 218            | 201           | 0.02%           | 0.002%        |
| 17        | 3.925       | 796           | 804         | 806          | rBV2     | 298            | 347           | 0.03%           | 0.004%        |
| 18        | 4.314       | 919           | 925         | 931          | rBV2     | 452            | 489           | 0.04%           | 0.005%        |
| 19        | 4.568       | 1000          | 1004        | 1007         | rBV2     | 205            | 213           | 0.02%           | 0.002%        |
| 20        | 4.623       | 1007          | 1021        | 1057         | rBV      | 130591         | 322008        | 29.13%          | 3.403%        |
| 21        | 4.967       | 1126          | 1128        | 1131         | rVB3     | 476            | 252           | 0.02%           | 0.003%        |
| 22        | 5.066       | 1142          | 1159        | 1189         | rBV      | 204625         | 447496        | 40.48%          | 4.729%        |
| 23        | 5.282       | 1223          | 1226        | 1238         | rVB4     | 729            | 1018          | 0.09%           | 0.011%        |
| 24        | 5.333       | 1238          | 1242        | 1246         | rVV2     | 224            | 231           | 0.02%           | 0.002%        |
| 25        | 5.726       | 1340          | 1364        | 1387         | rBV2     | 400715         | 1105407       | 100.00%         | 11.682%       |
| 26        | 6.041       | 1459          | 1462        | 1467         | rVB3     | 500            | 405           | 0.04%           | 0.004%        |
| 27        | 6.250       | 1513          | 1527        | 1556         | rBV      | 357657         | 681295        | 61.63%          | 7.200%        |
| 28        | 6.423       | 1578          | 1581        | 1587         | rVB3     | 268            | 234           | 0.02%           | 0.002%        |
| 29        | 6.517       | 1608          | 1610        | 1612         | rBV2     | 741            | 442           | 0.04%           | 0.005%        |
| 30        | 6.568       | 1623          | 1626        | 1632         | rVB5     | 394            | 398           | 0.04%           | 0.004%        |
| 31        | 6.693       | 1650          | 1665        | 1682         | rBV      | 261342         | 506988        | 45.86%          | 5.358%        |
| 32        | 6.806       | 1696          | 1700        | 1704         | rBV3     | 670            | 731           | 0.07%           | 0.008%        |
| 33        | 6.825       | 1704          | 1706        | 1711         | rVB2     | 765            | 613           | 0.06%           | 0.006%        |
| 34        | 6.919       | 1731          | 1735        | 1740         | rBV      | 271            | 234           | 0.02%           | 0.002%        |
| 35        | 7.086       | 1784          | 1787        | 1796         | rVB2     | 201            | 250           | 0.02%           | 0.003%        |
| 36        | 7.185       | 1809          | 1818        | 1832         | rBV4     | 3413           | 6644          | 0.60%           | 0.070%        |

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.391  | 1875 | 1882 | 1884 | rBV2 | 286    | 264    | 0.02%  | 0.003% |
| 38 | 7.433  | 1892 | 1895 | 1901 | rVB2 | 429    | 343    | 0.03%  | 0.004% |
| 39 | 7.568  | 1923 | 1937 | 1965 | rVV  | 126749 | 231598 | 20.95% | 2.447% |
| 40 | 7.687  | 1965 | 1974 | 1986 | rVV5 | 2709   | 5196   | 0.47%  | 0.055% |
| 41 | 7.793  | 2003 | 2007 | 2011 | rBV3 | 389    | 369    | 0.03%  | 0.004% |
| 42 | 7.835  | 2015 | 2020 | 2026 | rBV2 | 328    | 386    | 0.03%  | 0.004% |
| 43 | 7.899  | 2026 | 2040 | 2056 | rBV  | 491121 | 838679 | 75.87% | 8.863% |
| 44 | 8.179  | 2116 | 2127 | 2146 | rBV2 | 90094  | 157588 | 14.26% | 1.665% |
| 45 | 8.475  | 2210 | 2219 | 2228 | rVV2 | 3150   | 5002   | 0.45%  | 0.053% |
| 46 | 8.555  | 2241 | 2244 | 2248 | rVB2 | 371    | 305    | 0.03%  | 0.003% |
| 47 | 8.632  | 2255 | 2268 | 2312 | rBV  | 373385 | 716629 | 64.83% | 7.573% |
| 48 | 8.844  | 2333 | 2334 | 2338 | rBV  | 361    | 196    | 0.02%  | 0.002% |
| 49 | 9.089  | 2407 | 2410 | 2413 | rVB3 | 322    | 210    | 0.02%  | 0.002% |
| 50 | 9.372  | 2494 | 2498 | 2499 | rVV2 | 275    | 194    | 0.02%  | 0.002% |
| 51 | 9.417  | 2499 | 2512 | 2550 | rVB  | 545220 | 934535 | 84.54% | 9.876% |
| 52 | 9.578  | 2557 | 2562 | 2567 | rBV4 | 774    | 784    | 0.07%  | 0.008% |
| 53 | 9.697  | 2594 | 2599 | 2607 | rVB5 | 1232   | 1512   | 0.14%  | 0.016% |
| 54 | 9.815  | 2632 | 2636 | 2639 | rVB2 | 354    | 233    | 0.02%  | 0.002% |
| 55 | 9.854  | 2646 | 2648 | 2652 | rVB2 | 409    | 249    | 0.02%  | 0.003% |
| 56 | 9.886  | 2653 | 2658 | 2661 | rBV2 | 301    | 243    | 0.02%  | 0.003% |
| 57 | 9.951  | 2672 | 2678 | 2682 | rBV2 | 339    | 523    | 0.05%  | 0.006% |
| 58 | 9.983  | 2686 | 2688 | 2695 | rVB4 | 529    | 400    | 0.04%  | 0.004% |
| 59 | 10.028 | 2699 | 2702 | 2705 | rBV2 | 241    | 196    | 0.02%  | 0.002% |
| 60 | 10.134 | 2731 | 2735 | 2738 | rBV  | 239    | 205    | 0.02%  | 0.002% |
| 61 | 10.150 | 2738 | 2740 | 2744 | rVB2 | 397    | 231    | 0.02%  | 0.002% |
| 62 | 10.182 | 2744 | 2750 | 2751 | rBV2 | 380    | 266    | 0.02%  | 0.003% |
| 63 | 10.256 | 2770 | 2773 | 2779 | rVB3 | 303    | 264    | 0.02%  | 0.003% |
| 64 | 10.446 | 2828 | 2832 | 2839 | rBV2 | 434    | 547    | 0.05%  | 0.006% |
| 65 | 10.487 | 2843 | 2845 | 2848 | rBV  | 312    | 194    | 0.02%  | 0.002% |
| 66 | 10.549 | 2862 | 2864 | 2869 | rVB2 | 596    | 413    | 0.04%  | 0.004% |
| 67 | 10.674 | 2897 | 2903 | 2911 | rBV4 | 1268   | 1616   | 0.15%  | 0.017% |
| 68 | 10.758 | 2916 | 2929 | 2947 | rVV  | 418295 | 670328 | 60.64% | 7.084% |
| 69 | 10.899 | 2962 | 2973 | 2983 | rBV  | 4808   | 8372   | 0.76%  | 0.088% |
| 70 | 11.018 | 3007 | 3010 | 3015 | rVB2 | 369    | 264    | 0.02%  | 0.003% |
| 71 | 11.095 | 3032 | 3034 | 3038 | rVB3 | 390    | 212    | 0.02%  | 0.002% |
| 72 | 11.150 | 3047 | 3051 | 3053 | rBV  | 257    | 201    | 0.02%  | 0.002% |
| 73 | 11.208 | 3067 | 3069 | 3072 | rVB2 | 400    | 242    | 0.02%  | 0.003% |
| 74 | 11.227 | 3072 | 3075 | 3077 | rBV  | 385    | 262    | 0.02%  | 0.003% |
| 75 | 11.462 | 3135 | 3148 | 3152 | rBV5 | 1081   | 1954   | 0.18%  | 0.021% |
| 76 | 11.696 | 3218 | 3221 | 3228 | rBV2 | 467    | 493    | 0.04%  | 0.005% |

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Integration Parameters: LSCINT.P

Integrator: RTE

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 77  | 11.751 | 3230 | 3238 | 3245 | rBV5 | 3161   | 4503   | 0.41%  | 0.048%  |
| 78  | 11.812 | 3245 | 3257 | 3278 | rBV  | 578558 | 964841 | 87.28% | 10.196% |
| 79  | 11.973 | 3304 | 3307 | 3313 | rVB2 | 1165   | 1054   | 0.10%  | 0.011%  |
| 80  | 12.069 | 3326 | 3337 | 3346 | rBV6 | 4880   | 9132   | 0.83%  | 0.097%  |
| 81  | 12.195 | 3361 | 3376 | 3398 | rBV2 | 542203 | 988310 | 89.41% | 10.444% |
| 82  | 12.330 | 3416 | 3418 | 3422 | rBV3 | 577    | 562    | 0.05%  | 0.006%  |
| 83  | 12.352 | 3422 | 3425 | 3430 | rVB2 | 542    | 470    | 0.04%  | 0.005%  |
| 84  | 12.433 | 3447 | 3450 | 3453 | rVV2 | 268    | 200    | 0.02%  | 0.002%  |
| 85  | 12.545 | 3482 | 3485 | 3486 | rBV  | 317    | 196    | 0.02%  | 0.002%  |
| 86  | 12.594 | 3498 | 3500 | 3503 | rBV  | 240    | 201    | 0.02%  | 0.002%  |
| 87  | 12.661 | 3519 | 3521 | 3525 | rVB3 | 390    | 204    | 0.02%  | 0.002%  |
| 88  | 12.767 | 3548 | 3554 | 3555 | rBV2 | 527    | 414    | 0.04%  | 0.004%  |
| 89  | 13.012 | 3627 | 3630 | 3640 | rVB3 | 427    | 626    | 0.06%  | 0.007%  |
| 90  | 13.102 | 3655 | 3658 | 3661 | rBV2 | 337    | 286    | 0.03%  | 0.003%  |
| 91  | 13.159 | 3671 | 3676 | 3679 | rBV2 | 536    | 508    | 0.05%  | 0.005%  |
| 92  | 13.230 | 3692 | 3698 | 3701 | rBV3 | 359    | 412    | 0.04%  | 0.004%  |
| 93  | 13.664 | 3831 | 3833 | 3837 | rBV  | 398    | 267    | 0.02%  | 0.003%  |
| 94  | 13.841 | 3878 | 3888 | 3900 | rBV  | 71990  | 116031 | 10.50% | 1.226%  |
| 95  | 14.082 | 3960 | 3963 | 3964 | rBV2 | 363    | 231    | 0.02%  | 0.002%  |
| 96  | 14.333 | 4032 | 4041 | 4052 | rVB2 | 13141  | 20799  | 1.88%  | 0.220%  |
| 97  | 14.825 | 4192 | 4194 | 4198 | rBV3 | 598    | 481    | 0.04%  | 0.005%  |
| 98  | 15.410 | 4368 | 4376 | 4377 | rBV7 | 2514   | 2978   | 0.27%  | 0.031%  |
| 99  | 15.780 | 4487 | 4491 | 4493 | rBV3 | 1079   | 880    | 0.08%  | 0.009%  |
| 100 | 15.999 | 4550 | 4559 | 4570 | rBV2 | 31763  | 50555  | 4.57%  | 0.534%  |

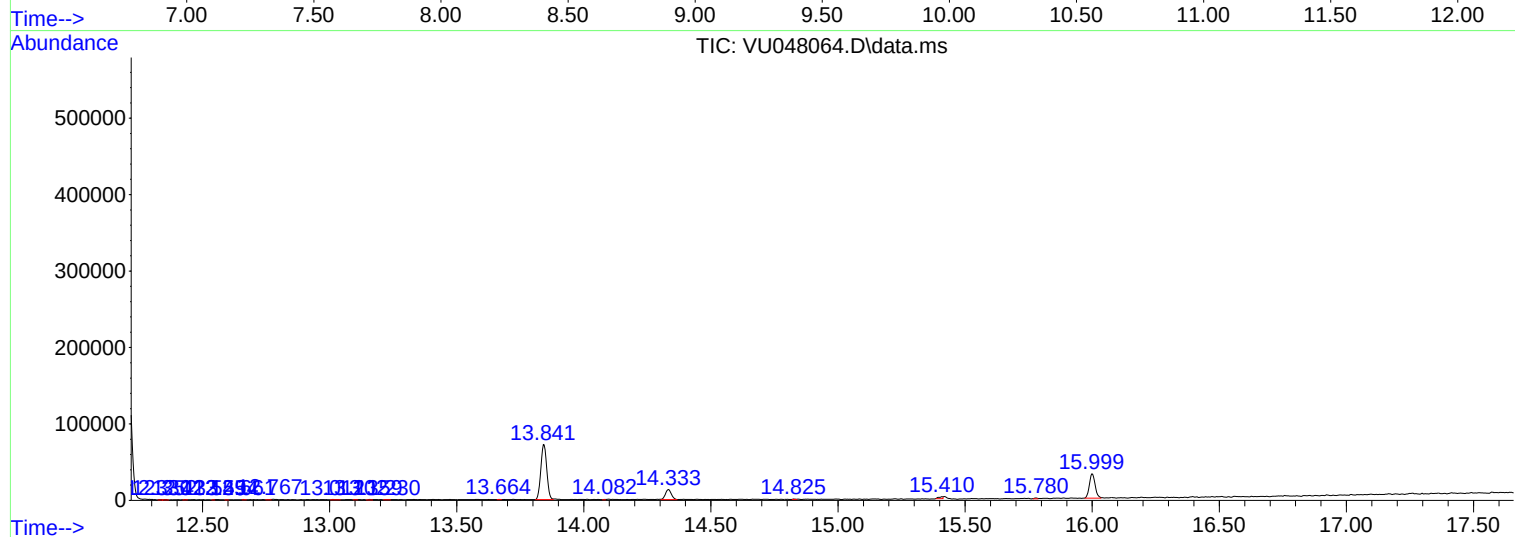
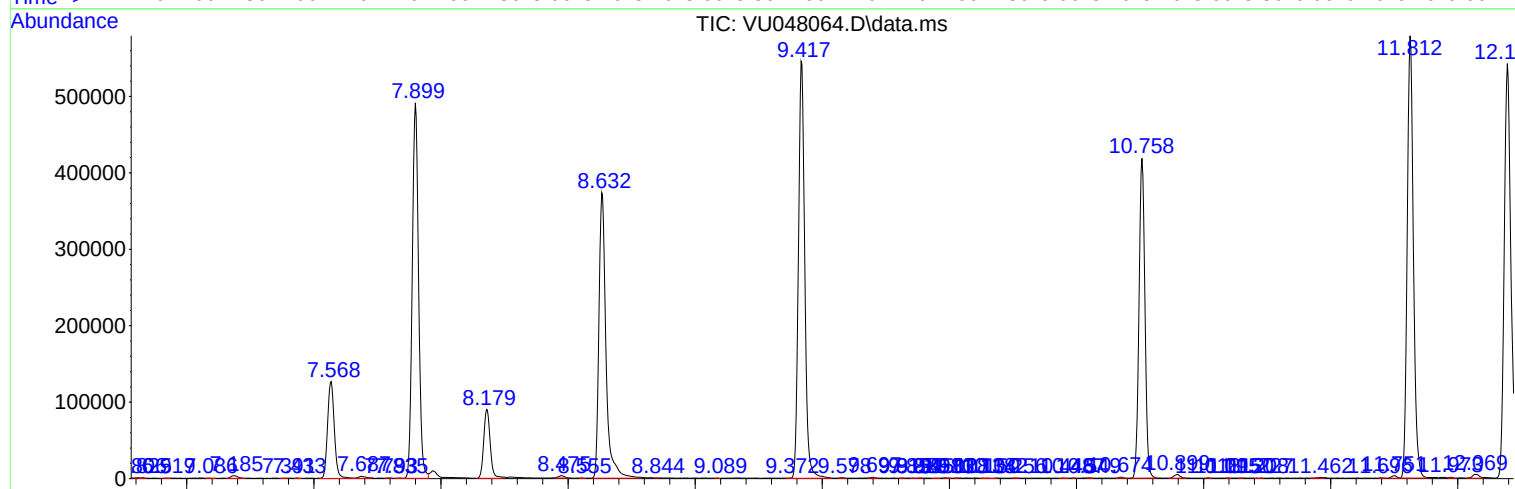
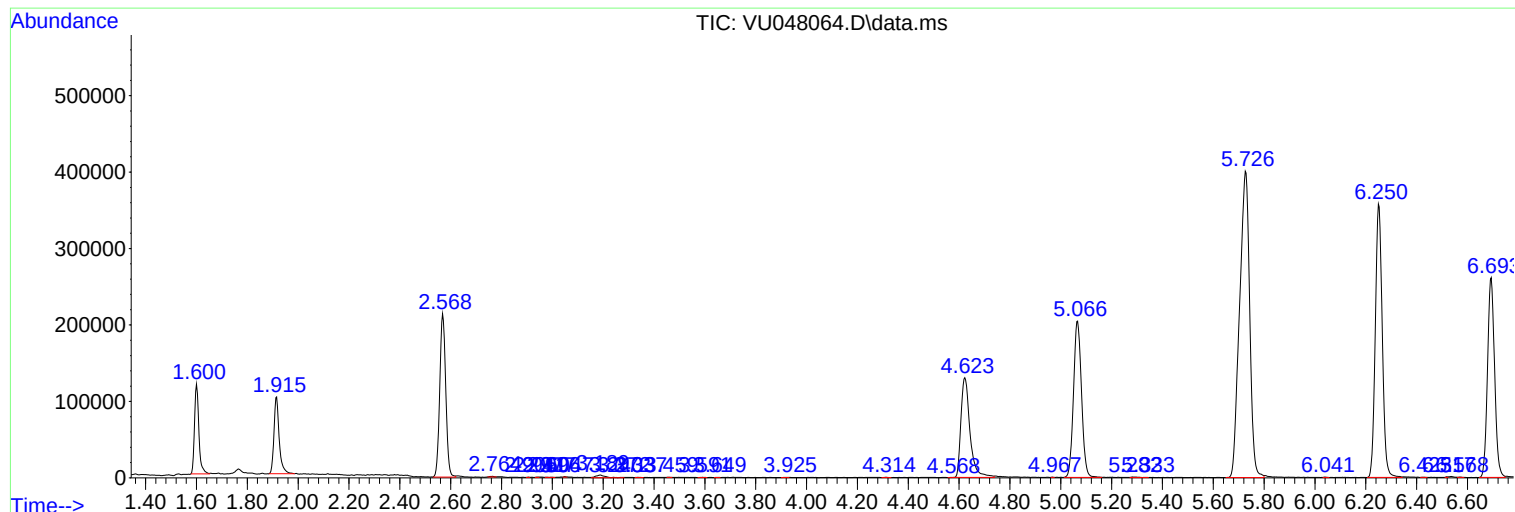
Sum of corrected areas: 9462731

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis

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



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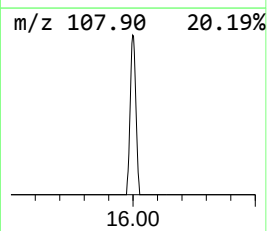
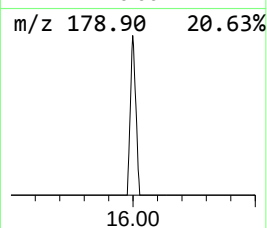
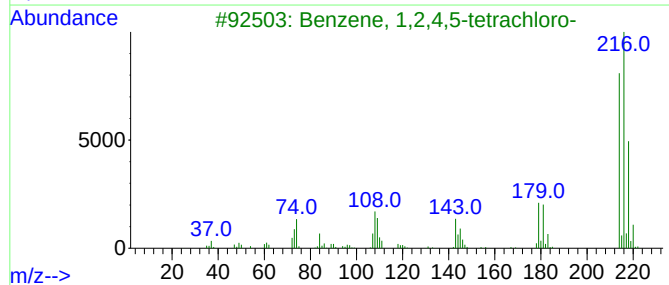
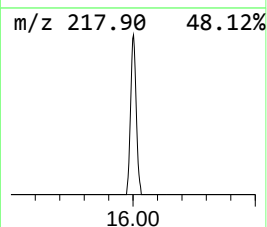
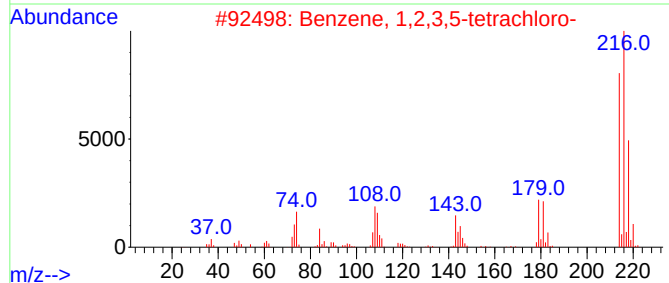
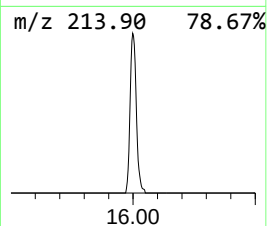
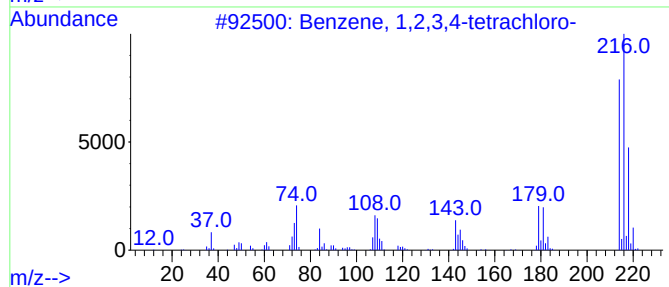
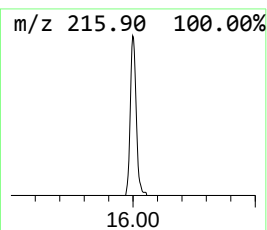
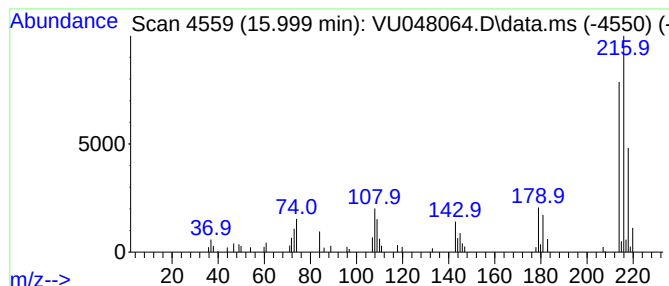
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 2 Benzene, 1,2,3,4-tetrachloro- Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.999 | 2.62 ug/L | 50555 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,4-tetrachloro- | 214 | C6H2Cl4 | 000634-66-2 | 99   |
| 2    |    |   | Benzene, 1,2,3,5-tetrachloro- | 214 | C6H2Cl4 | 000634-90-2 | 99   |
| 3    |    |   | Benzene, 1,2,4,5-tetrachloro- | 214 | C6H2Cl4 | 000095-94-3 | 99   |
| 4    |    |   | Benzene, 1,2,3,4-tetrachloro- | 214 | C6H2Cl4 | 000634-66-2 | 99   |
| 5    |    |   | Benzene, 1,2,4,5-tetrachloro- | 214 | C6H2Cl4 | 000095-94-3 | 98   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Benzene, 1,2,3,... | 15.999 | 2.6     | ug/L  | 50555    | 3                     | 11.812 | 964841 | 50.0 |