

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082823\  
 Data File : VV031948.D  
 Acq On : 28 Aug 2023 17:10  
 Operator : SY/MD  
 Sample : 04175-07ME  
 Misc : 5.71g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EZYX4ME

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\SFAMVLM082323WMA.M  
 Title : VOC Analysis

Signal : TIC: VV031948.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         | 1.188       | 41            | 46          | 51           | rBV      | 6123           | 6261          | 0.50%           | 0.063%        |
| 2         | 1.278       | 67            | 74          | 94           | rVB      | 81069          | 122196        | 9.83%           | 1.229%        |
| 3         | 1.526       | 146           | 151         | 172          | rBV      | 48947          | 76122         | 6.12%           | 0.766%        |
| 4         | 2.040       | 301           | 311         | 330          | rBV      | 209294         | 306124        | 24.61%          | 3.079%        |
| 5         | 2.442       | 428           | 436         | 447          | rVB2     | 5780           | 10226         | 0.82%           | 0.103%        |
| 6         | 2.555       | 461           | 471         | 486          | rBV3     | 3676           | 8751          | 0.70%           | 0.088%        |
| 7         | 2.687       | 510           | 512         | 518          | rVB5     | 874            | 807           | 0.06%           | 0.008%        |
| 8         | 2.770       | 533           | 538         | 540          | rBV2     | 830            | 880           | 0.07%           | 0.009%        |
| 9         | 2.864       | 564           | 567         | 570          | rVB4     | 1007           | 670           | 0.05%           | 0.007%        |
| 10        | 2.899       | 575           | 578         | 582          | rVB4     | 742            | 387           | 0.03%           | 0.004%        |
| 11        | 3.728       | 833           | 836         | 842          | rVB4     | 627            | 494           | 0.04%           | 0.005%        |
| 12        | 3.812       | 852           | 862         | 916          | rBV      | 73103          | 297394        | 23.91%          | 2.991%        |
| 13        | 4.253       | 980           | 999         | 1033         | rBV      | 179402         | 490618        | 39.45%          | 4.934%        |
| 14        | 4.552       | 1087          | 1092        | 1094         | rBV3     | 530            | 486           | 0.04%           | 0.005%        |
| 15        | 4.664       | 1121          | 1127        | 1130         | rVB6     | 636            | 594           | 0.05%           | 0.006%        |
| 16        | 4.860       | 1183          | 1188        | 1190         | rBV4     | 486            | 412           | 0.03%           | 0.004%        |
| 17        | 4.876       | 1190          | 1193        | 1197         | rVB3     | 596            | 386           | 0.03%           | 0.004%        |
| 18        | 4.957       | 1201          | 1218        | 1253         | rBV2     | 478468         | 1243701       | 100.00%         | 12.508%       |
| 19        | 5.278       | 1315          | 1318        | 1322         | rVV5     | 763            | 639           | 0.05%           | 0.006%        |
| 20        | 5.365       | 1339          | 1345        | 1348         | rBV5     | 744            | 765           | 0.06%           | 0.008%        |
| 21        | 5.397       | 1352          | 1355        | 1357         | rBV3     | 946            | 664           | 0.05%           | 0.007%        |
| 22        | 5.535       | 1386          | 1398        | 1432         | rBV      | 367956         | 797576        | 64.13%          | 8.021%        |
| 23        | 5.831       | 1474          | 1490        | 1508         | rBV3     | 14837          | 35974         | 2.89%           | 0.362%        |
| 24        | 5.931       | 1514          | 1521        | 1526         | rBV5     | 2513           | 3769          | 0.30%           | 0.038%        |
| 25        | 5.992       | 1527          | 1540        | 1568         | rVB      | 270927         | 594627        | 47.81%          | 5.980%        |
| 26        | 6.130       | 1580          | 1583        | 1585         | rBV4     | 836            | 533           | 0.04%           | 0.005%        |
| 27        | 6.201       | 1602          | 1605        | 1607         | rVB5     | 916            | 516           | 0.04%           | 0.005%        |
| 28        | 6.262       | 1618          | 1624        | 1625         | rBV2     | 632            | 455           | 0.04%           | 0.005%        |
| 29        | 6.272       | 1625          | 1627        | 1630         | rVV2     | 644            | 368           | 0.03%           | 0.004%        |
| 30        | 6.304       | 1635          | 1637        | 1644         | rVB5     | 583            | 576           | 0.05%           | 0.006%        |
| 31        | 6.352       | 1649          | 1652        | 1657         | rBV3     | 699            | 776           | 0.06%           | 0.008%        |
| 32        | 6.375       | 1657          | 1659        | 1661         | rBV3     | 703            | 426           | 0.03%           | 0.004%        |
| 33        | 6.452       | 1679          | 1683        | 1688         | rVB4     | 530            | 364           | 0.03%           | 0.004%        |
| 34        | 6.719       | 1764          | 1766        | 1776         | rVB8     | 741            | 901           | 0.07%           | 0.009%        |
| 35        | 6.847       | 1799          | 1806        | 1807         | rBV4     | 1244           | 1232          | 0.10%           | 0.012%        |
| 36        | 6.918       | 1817          | 1828        | 1852         | rBV      | 154371         | 312873        | 25.16%          | 3.147%        |

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Integration Parameters: LSCINT.P

Integrator: RTE

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 7.130  | 1885 | 1894 | 1902 | rBV8 | 1717   | 3328   | 0.27%  | 0.033%  |
| 38 | 7.246  | 1918 | 1930 | 1951 | rBV  | 527626 | 961034 | 77.27% | 9.665%  |
| 39 | 7.503  | 2005 | 2010 | 2018 | rBV5 | 2423   | 3733   | 0.30%  | 0.038%  |
| 40 | 7.558  | 2018 | 2027 | 2056 | rBV  | 101704 | 212920 | 17.12% | 2.141%  |
| 41 | 7.725  | 2075 | 2079 | 2081 | rBV3 | 470    | 379    | 0.03%  | 0.004%  |
| 42 | 7.886  | 2125 | 2129 | 2134 | rBV4 | 554    | 524    | 0.04%  | 0.005%  |
| 43 | 7.924  | 2139 | 2141 | 2145 | rVB3 | 763    | 442    | 0.04%  | 0.004%  |
| 44 | 7.960  | 2148 | 2152 | 2155 | rBV4 | 591    | 560    | 0.05%  | 0.006%  |
| 45 | 8.008  | 2160 | 2167 | 2168 | rBV2 | 1039   | 901    | 0.07%  | 0.009%  |
| 46 | 8.040  | 2168 | 2177 | 2180 | rBV  | 98947  | 139378 | 11.21% | 1.402%  |
| 47 | 8.439  | 2299 | 2301 | 2308 | rVB5 | 998    | 909    | 0.07%  | 0.009%  |
| 48 | 8.503  | 2315 | 2321 | 2323 | rBV5 | 727    | 702    | 0.06%  | 0.007%  |
| 49 | 8.567  | 2339 | 2341 | 2345 | rVB5 | 1111   | 620    | 0.05%  | 0.006%  |
| 50 | 8.609  | 2345 | 2354 | 2365 | rVB5 | 1897   | 3155   | 0.25%  | 0.032%  |
| 51 | 8.680  | 2371 | 2376 | 2380 | rBV3 | 478    | 481    | 0.04%  | 0.005%  |
| 52 | 8.706  | 2380 | 2384 | 2385 | rBV2 | 590    | 511    | 0.04%  | 0.005%  |
| 53 | 8.728  | 2386 | 2391 | 2398 | rVB5 | 1575   | 1925   | 0.15%  | 0.019%  |
| 54 | 8.789  | 2398 | 2410 | 2437 | rBV  | 526378 | 997034 | 80.17% | 10.027% |
| 55 | 9.024  | 2480 | 2483 | 2485 | rBV2 | 746    | 430    | 0.03%  | 0.004%  |
| 56 | 9.043  | 2485 | 2489 | 2491 | rVV4 | 1177   | 947    | 0.08%  | 0.010%  |
| 57 | 9.056  | 2491 | 2493 | 2495 | rVV3 | 948    | 438    | 0.04%  | 0.004%  |
| 58 | 9.075  | 2495 | 2499 | 2500 | rVV2 | 613    | 418    | 0.03%  | 0.004%  |
| 59 | 9.092  | 2500 | 2504 | 2510 | rVV6 | 1403   | 1816   | 0.15%  | 0.018%  |
| 60 | 9.149  | 2513 | 2522 | 2536 | rVB6 | 5210   | 9085   | 0.73%  | 0.091%  |
| 61 | 9.239  | 2545 | 2550 | 2551 | rBV2 | 768    | 565    | 0.05%  | 0.006%  |
| 62 | 9.259  | 2551 | 2556 | 2559 | rBV6 | 631    | 523    | 0.04%  | 0.005%  |
| 63 | 9.346  | 2579 | 2583 | 2586 | rVV6 | 656    | 658    | 0.05%  | 0.007%  |
| 64 | 9.416  | 2598 | 2605 | 2611 | rVB6 | 1562   | 2413   | 0.19%  | 0.024%  |
| 65 | 9.455  | 2611 | 2617 | 2619 | rBV5 | 600    | 639    | 0.05%  | 0.006%  |
| 66 | 9.625  | 2664 | 2670 | 2672 | rBV4 | 816    | 812    | 0.07%  | 0.008%  |
| 67 | 9.654  | 2673 | 2679 | 2687 | rVB5 | 3041   | 4204   | 0.34%  | 0.042%  |
| 68 | 9.789  | 2714 | 2721 | 2731 | rVB4 | 2730   | 4344   | 0.35%  | 0.044%  |
| 69 | 9.966  | 2767 | 2776 | 2781 | rBV6 | 1817   | 2384   | 0.19%  | 0.024%  |
| 70 | 10.165 | 2820 | 2838 | 2859 | rBV  | 361542 | 667343 | 53.66% | 6.712%  |
| 71 | 10.323 | 2883 | 2887 | 2891 | rBV7 | 977    | 949    | 0.08%  | 0.010%  |
| 72 | 10.391 | 2904 | 2908 | 2910 | rBV4 | 887    | 692    | 0.06%  | 0.007%  |
| 73 | 10.452 | 2920 | 2927 | 2928 | rBV4 | 1825   | 1883   | 0.15%  | 0.019%  |
| 74 | 10.490 | 2936 | 2939 | 2941 | rBV4 | 600    | 454    | 0.04%  | 0.005%  |
| 75 | 10.526 | 2941 | 2950 | 2963 | rVB2 | 11320  | 19446  | 1.56%  | 0.196%  |
| 76 | 10.670 | 2992 | 2995 | 2999 | rBV5 | 796    | 621    | 0.05%  | 0.006%  |

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Instrument :  
 MSVOA\_V  
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 EZYX4ME

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

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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\SFAMVLM082323WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |       |        |         |        |         |
|-----|--------|------|------|------|-------|--------|---------|--------|---------|
| 77  | 10.773 | 3023 | 3027 | 3034 | rBV7  | 1025   | 1613    | 0.13%  | 0.016%  |
| 78  | 10.821 | 3035 | 3042 | 3051 | rBV2  | 8605   | 13020   | 1.05%  | 0.131%  |
| 79  | 10.973 | 3085 | 3089 | 3092 | rBV5  | 1419   | 1224    | 0.10%  | 0.012%  |
| 80  | 11.194 | 3146 | 3158 | 3178 | rBV   | 654421 | 1043513 | 83.90% | 10.495% |
| 81  | 11.407 | 3219 | 3224 | 3235 | rVB7  | 2499   | 3590    | 0.29%  | 0.036%  |
| 82  | 11.567 | 3262 | 3274 | 3293 | rBV   | 603568 | 960482  | 77.23% | 9.660%  |
| 83  | 11.735 | 3318 | 3326 | 3341 | rVB   | 25335  | 38747   | 3.12%  | 0.390%  |
| 84  | 11.940 | 3381 | 3390 | 3399 | rVB8  | 2565   | 5555    | 0.45%  | 0.056%  |
| 85  | 11.985 | 3401 | 3404 | 3405 | rBV3  | 877    | 500     | 0.04%  | 0.005%  |
| 86  | 12.069 | 3422 | 3430 | 3440 | rBV7  | 3751   | 6820    | 0.55%  | 0.069%  |
| 87  | 12.198 | 3466 | 3470 | 3476 | rVB6  | 2010   | 2516    | 0.20%  | 0.025%  |
| 88  | 12.310 | 3497 | 3505 | 3511 | rBV5  | 6319   | 10504   | 0.84%  | 0.106%  |
| 89  | 12.410 | 3532 | 3536 | 3542 | rVB8  | 2756   | 2871    | 0.23%  | 0.029%  |
| 90  | 12.796 | 3653 | 3656 | 3657 | rBV3  | 766    | 419     | 0.03%  | 0.004%  |
| 91  | 12.834 | 3658 | 3668 | 3683 | rVV   | 35405  | 55293   | 4.45%  | 0.556%  |
| 92  | 12.985 | 3708 | 3715 | 3739 | rVB2  | 15845  | 28984   | 2.33%  | 0.292%  |
| 93  | 13.448 | 3851 | 3859 | 3868 | rBV   | 31801  | 45900   | 3.69%  | 0.462%  |
| 94  | 13.590 | 3892 | 3903 | 3910 | rBV5  | 9491   | 16688   | 1.34%  | 0.168%  |
| 95  | 13.847 | 3975 | 3983 | 3996 | rVB   | 33261  | 50674   | 4.07%  | 0.510%  |
| 96  | 14.596 | 4210 | 4216 | 4224 | rBV4  | 7239   | 10632   | 0.85%  | 0.107%  |
| 97  | 14.792 | 4270 | 4277 | 4286 | rVB2  | 20585  | 28285   | 2.27%  | 0.284%  |
| 98  | 15.365 | 4447 | 4455 | 4463 | rBV10 | 7520   | 12098   | 0.97%  | 0.122%  |
| 99  | 15.429 | 4468 | 4475 | 4481 | rVV   | 32115  | 49546   | 3.98%  | 0.498%  |
| 100 | 15.474 | 4481 | 4489 | 4504 | rVB   | 112366 | 184416  | 14.83% | 1.855%  |

Sum of corrected areas: 9943033

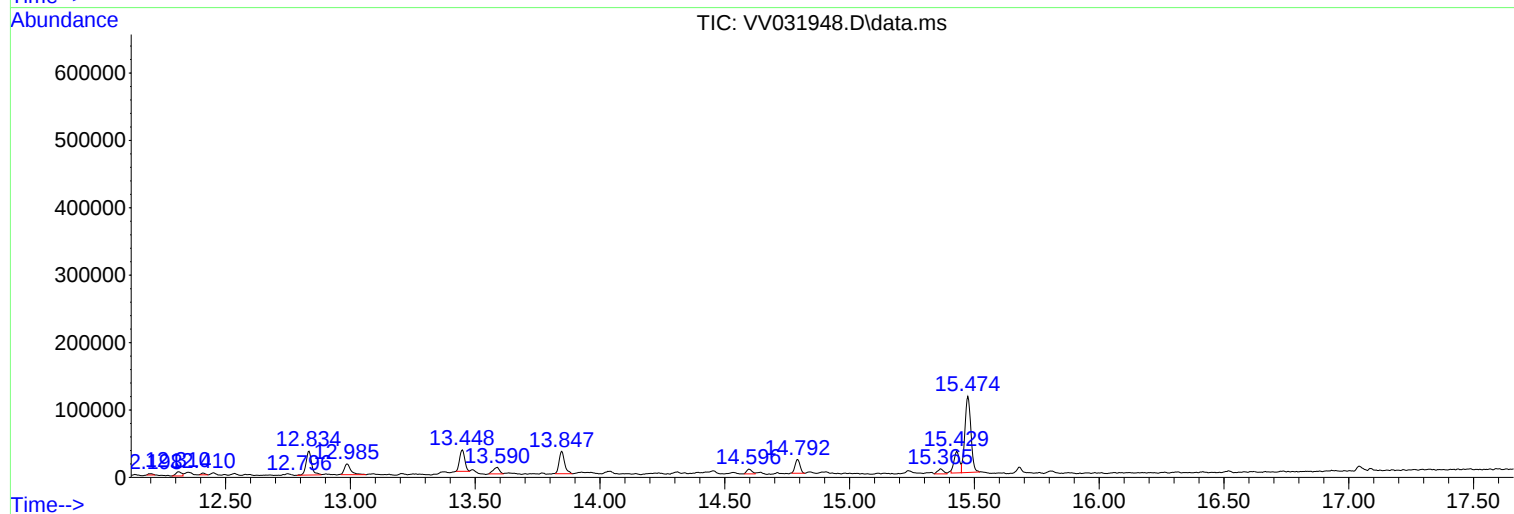
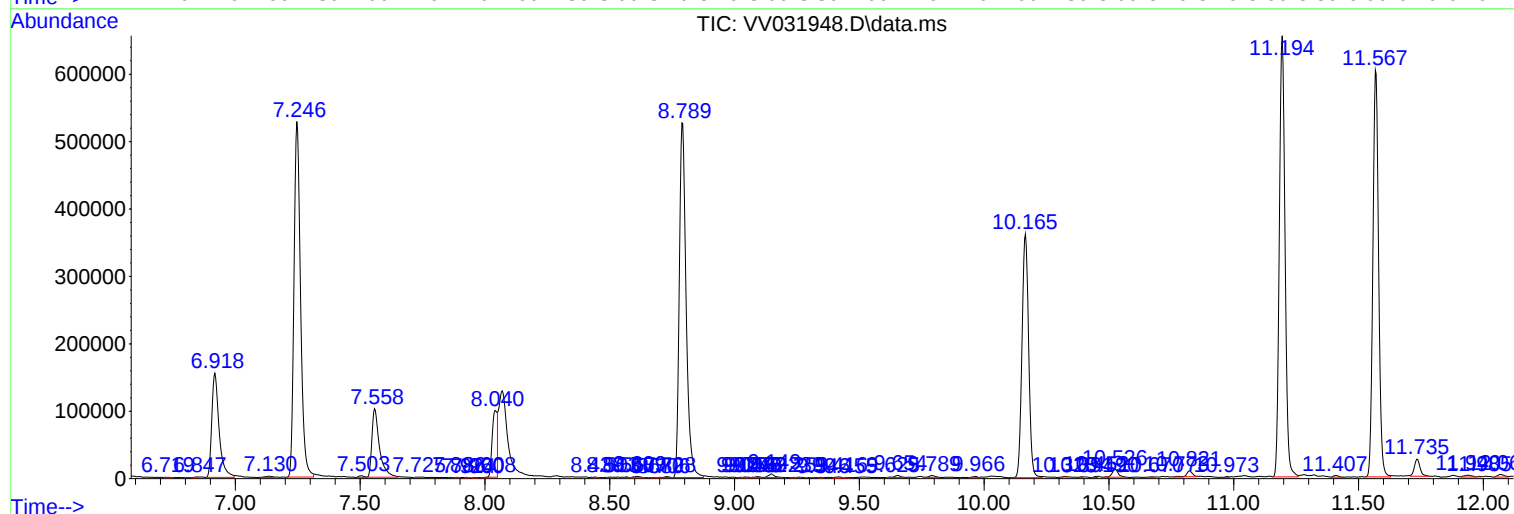
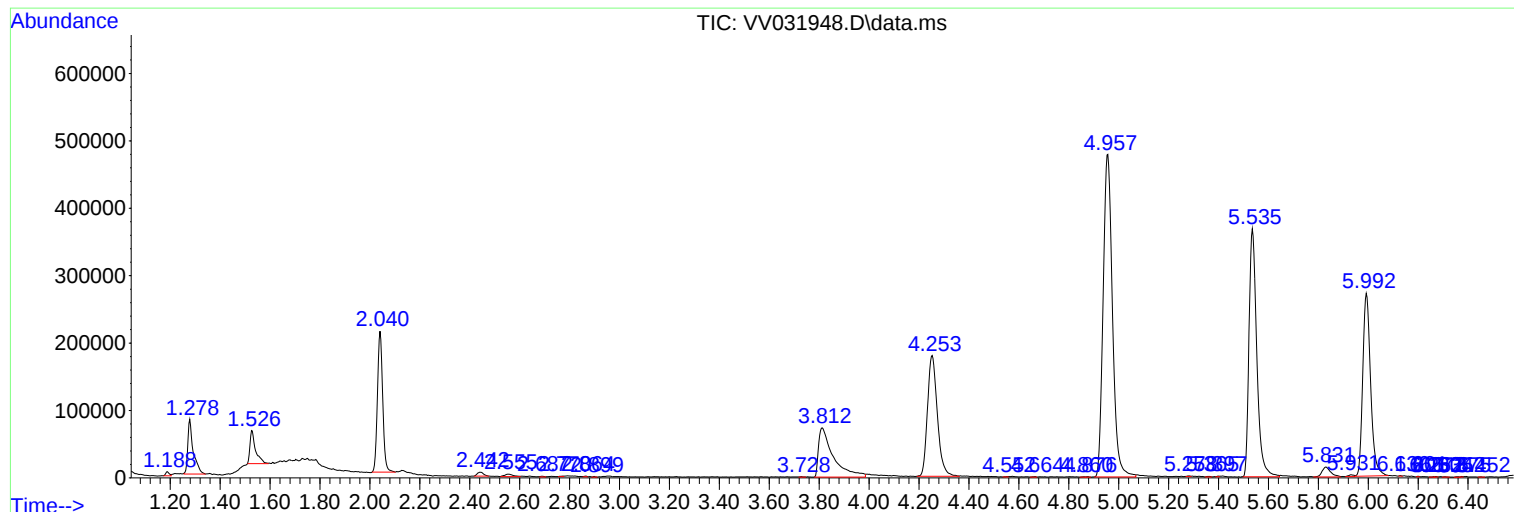
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082823\  
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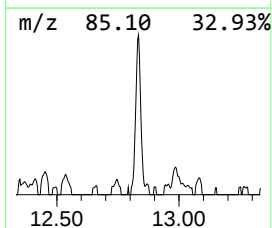
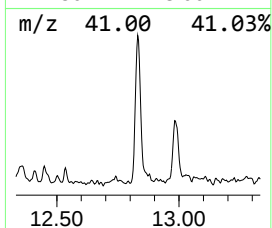
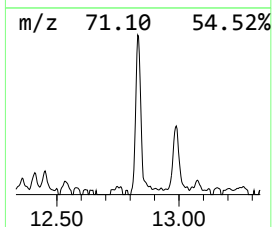
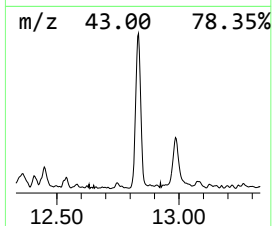
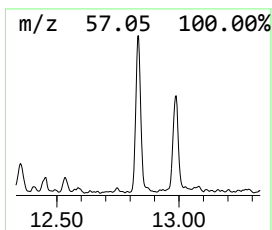
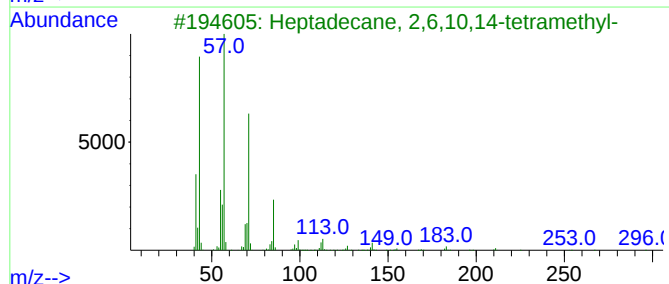
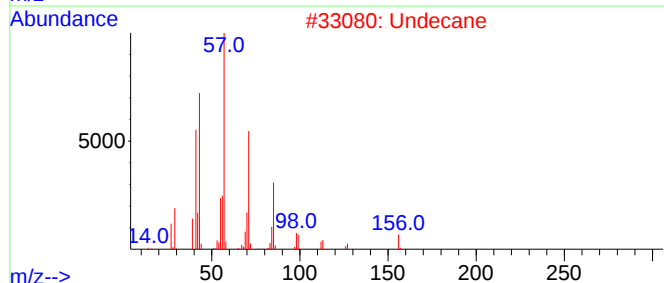
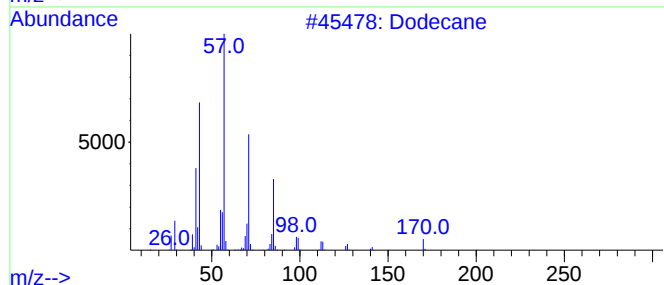
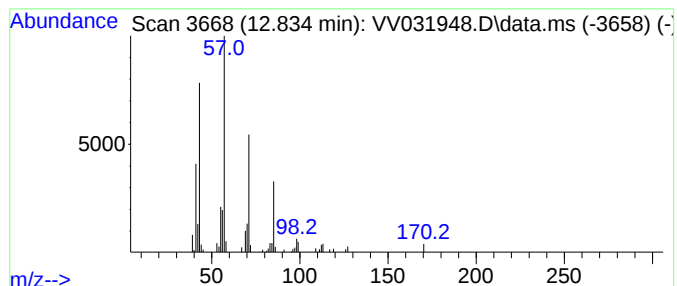
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.834 | 2.65 ug/L | 55293 | 1,4-Dichlorobenzene-d4 | 11.194 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane                            | 170 | C12H26  | 000112-40-3 | 91   |
| 2    |    |   | Undecane                            | 156 | C11H24  | 001120-21-4 | 86   |
| 3    |    |   | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 80   |
| 4    |    |   | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |    |   | Tridecane                           | 184 | C13H28  | 000629-50-5 | 80   |



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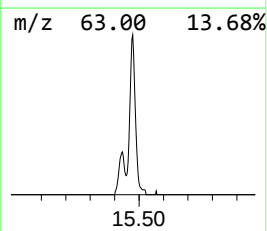
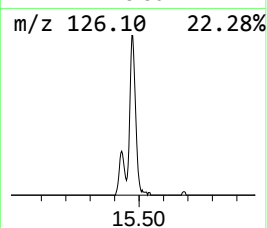
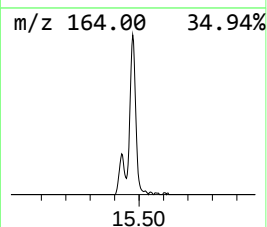
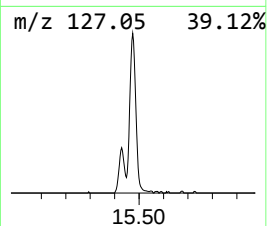
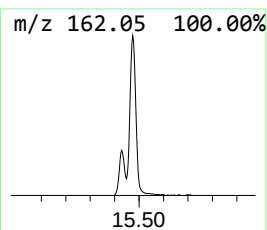
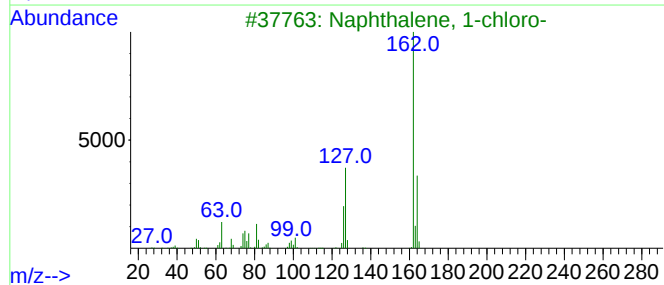
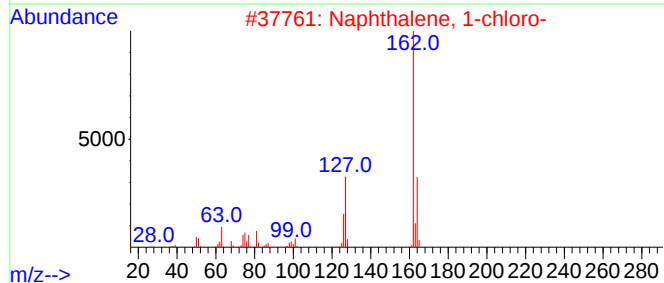
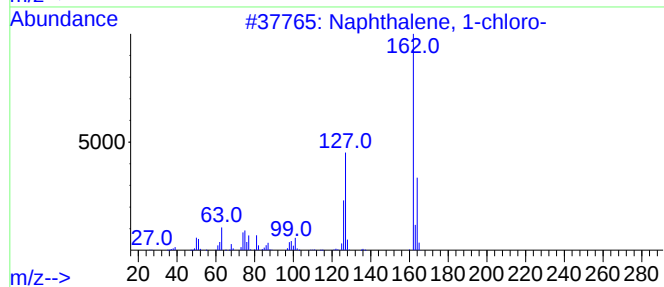
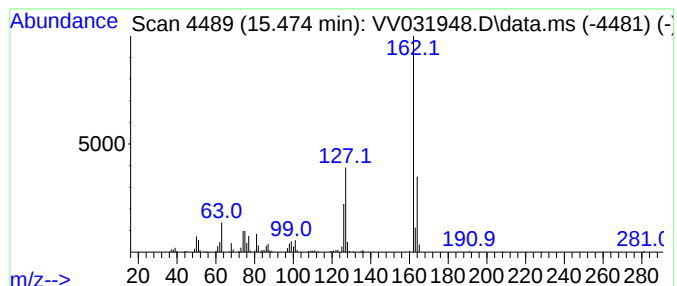
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1-chloro- Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.474 | 8.84 ug/L | 184416 | 1,4-Dichlorobenzene-d4 | 11.194 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-chloro- | 162 | C10H7Cl | 000090-13-1 | 97   |
| 2    |    |   | Naphthalene, 1-chloro- | 162 | C10H7Cl | 000090-13-1 | 96   |
| 3    |    |   | Naphthalene, 1-chloro- | 162 | C10H7Cl | 000090-13-1 | 94   |
| 4    |    |   | Naphthalene, 2-chloro- | 162 | C10H7Cl | 000091-58-7 | 94   |
| 5    |    |   | Naphthalene, 1-chloro- | 162 | C10H7Cl | 000090-13-1 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082823\  
Data File : VV031948.D  
Acq On : 28 Aug 2023 17:10  
Operator : SY/MD  
Sample : 04175-07ME  
Misc : 5.71g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EZYX4ME

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.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 |
| (DEL) Alkane: S... | 12.834 | 2.6     | ug/L  | 55293    | 3                     | 11.194 | 1043510 | 50.0 |
| Naphthalene, 1-... | 15.474 | 8.8     | ug/L  | 184416   | 3                     | 11.194 | 1043510 | 50.0 |