

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052324\  
 Data File : VV035709.D  
 Acq On : 23 May 2024 18:00  
 Operator : SY/MD  
 Sample : P2568-23  
 Misc : 6.45g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

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\SFAMVLM050624SMA.M  
 Title : VOC Analysis

Signal : TIC: VV035709.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         | 1.275       | 67            | 73          | 86           | rVB      | 137410         | 144729        | 10.91%          | 1.648%        |
| 2         | 1.529       | 145           | 152         | 165          | rVB      | 138298         | 162703        | 12.27%          | 1.852%        |
| 3         | 2.053       | 306           | 315         | 332          | rVB      | 246036         | 354289        | 26.71%          | 4.034%        |
| 4         | 2.442       | 426           | 436         | 458          | rVB      | 127061         | 218666        | 16.49%          | 2.490%        |
| 5         | 2.558       | 461           | 472         | 486          | rVB      | 30714          | 63003         | 4.75%           | 0.717%        |
| 6         | 2.966       | 588           | 599         | 614          | rBV2     | 17316          | 34842         | 2.63%           | 0.397%        |
| 7         | 3.333       | 708           | 713         | 715          | rBV2     | 386            | 289           | 0.02%           | 0.003%        |
| 8         | 3.847       | 853           | 873         | 932          | rBV4     | 56122          | 333004        | 25.11%          | 3.791%        |
| 9         | 4.246       | 982           | 997         | 1031         | rBV      | 226043         | 599636        | 45.21%          | 6.827%        |
| 10        | 4.577       | 1098          | 1100        | 1104         | rVB3     | 547            | 270           | 0.02%           | 0.003%        |
| 11        | 4.770       | 1158          | 1160        | 1163         | rVB3     | 617            | 323           | 0.02%           | 0.004%        |
| 12        | 4.790       | 1163          | 1166        | 1170         | rBV3     | 431            | 338           | 0.03%           | 0.004%        |
| 13        | 4.841       | 1178          | 1182        | 1186         | rBV3     | 434            | 267           | 0.02%           | 0.003%        |
| 14        | 4.863       | 1186          | 1189        | 1194         | rVB3     | 376            | 346           | 0.03%           | 0.004%        |
| 15        | 4.954       | 1202          | 1217        | 1255         | rBV2     | 496266         | 1326292       | 100.00%         | 15.100%       |
| 16        | 5.320       | 1327          | 1331        | 1334         | rVB5     | 409            | 283           | 0.02%           | 0.003%        |
| 17        | 5.532       | 1387          | 1397        | 1432         | rBV      | 318267         | 691039        | 52.10%          | 7.868%        |
| 18        | 5.825       | 1477          | 1488        | 1515         | rBV2     | 43670          | 98805         | 7.45%           | 1.125%        |
| 19        | 5.989       | 1526          | 1539        | 1571         | rBV      | 323350         | 690162        | 52.04%          | 7.858%        |
| 20        | 6.207       | 1604          | 1607        | 1609         | rBV3     | 461            | 277           | 0.02%           | 0.003%        |
| 21        | 6.423       | 1666          | 1674        | 1675         | rBV      | 442            | 409           | 0.03%           | 0.005%        |
| 22        | 6.449       | 1679          | 1682        | 1686         | rVB3     | 414            | 288           | 0.02%           | 0.003%        |
| 23        | 6.484       | 1686          | 1693        | 1696         | rBV3     | 476            | 515           | 0.04%           | 0.006%        |
| 24        | 6.597       | 1725          | 1728        | 1732         | rBV3     | 534            | 323           | 0.02%           | 0.004%        |
| 25        | 6.629       | 1733          | 1738        | 1739         | rBV2     | 479            | 309           | 0.02%           | 0.004%        |
| 26        | 6.767       | 1777          | 1781        | 1785         | rBV3     | 336            | 265           | 0.02%           | 0.003%        |
| 27        | 6.834       | 1799          | 1802        | 1807         | rBV2     | 467            | 381           | 0.03%           | 0.004%        |
| 28        | 6.915       | 1818          | 1827        | 1857         | rBV      | 84330          | 177814        | 13.41%          | 2.024%        |
| 29        | 7.188       | 1908          | 1912        | 1916         | rBV4     | 581            | 567           | 0.04%           | 0.006%        |
| 30        | 7.243       | 1918          | 1929        | 1955         | rBV      | 448337         | 813120        | 61.31%          | 9.258%        |
| 31        | 7.558       | 2018          | 2027        | 2059         | rBV2     | 59816          | 123966        | 9.35%           | 1.411%        |
| 32        | 7.735       | 2078          | 2082        | 2086         | rVB6     | 874            | 731           | 0.06%           | 0.008%        |
| 33        | 7.780       | 2093          | 2096        | 2105         | rVB4     | 753            | 1009          | 0.08%           | 0.011%        |
| 34        | 7.815       | 2105          | 2107        | 2110         | rBV      | 457            | 307           | 0.02%           | 0.003%        |
| 35        | 7.873       | 2116          | 2125        | 2137         | rBV      | 9347           | 16652         | 1.26%           | 0.190%        |
| 36        | 7.963       | 2149          | 2153        | 2157         | rVB3     | 515            | 413           | 0.03%           | 0.005%        |

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 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

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\SFAMVLM050624SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 8.040  | 2169 | 2177 | 2225 | rBV4 | 61275  | 192402 | 14.51% | 2.191% |
| 38 | 8.275  | 2247 | 2250 | 2251 | rBV2 | 606    | 385    | 0.03%  | 0.004% |
| 39 | 8.365  | 2269 | 2278 | 2291 | rBV2 | 11390  | 20336  | 1.53%  | 0.232% |
| 40 | 8.494  | 2314 | 2318 | 2320 | rVB5 | 486    | 328    | 0.02%  | 0.004% |
| 41 | 8.548  | 2331 | 2335 | 2337 | rBV3 | 307    | 271    | 0.02%  | 0.003% |
| 42 | 8.715  | 2385 | 2387 | 2391 | rVB3 | 558    | 310    | 0.02%  | 0.004% |
| 43 | 8.786  | 2397 | 2409 | 2438 | rBV  | 476337 | 815820 | 61.51% | 9.289% |
| 44 | 9.088  | 2500 | 2503 | 2504 | rBV  | 588    | 299    | 0.02%  | 0.003% |
| 45 | 9.172  | 2524 | 2529 | 2531 | rBV4 | 327    | 330    | 0.02%  | 0.004% |
| 46 | 9.236  | 2545 | 2549 | 2554 | rBV3 | 465    | 522    | 0.04%  | 0.006% |
| 47 | 9.291  | 2562 | 2566 | 2569 | rBV  | 371    | 338    | 0.03%  | 0.004% |
| 48 | 9.384  | 2590 | 2595 | 2598 | rBV2 | 401    | 358    | 0.03%  | 0.004% |
| 49 | 9.471  | 2618 | 2622 | 2625 | rBV3 | 342    | 262    | 0.02%  | 0.003% |
| 50 | 9.494  | 2625 | 2629 | 2630 | rVV3 | 406    | 336    | 0.03%  | 0.004% |
| 51 | 9.503  | 2630 | 2632 | 2636 | rVB2 | 786    | 440    | 0.03%  | 0.005% |
| 52 | 9.529  | 2637 | 2640 | 2644 | rVB  | 493    | 298    | 0.02%  | 0.003% |
| 53 | 9.577  | 2651 | 2655 | 2660 | rVB2 | 519    | 516    | 0.04%  | 0.006% |
| 54 | 9.606  | 2660 | 2664 | 2669 | rBV3 | 522    | 536    | 0.04%  | 0.006% |
| 55 | 9.786  | 2717 | 2720 | 2725 | rVB2 | 321    | 279    | 0.02%  | 0.003% |
| 56 | 9.812  | 2725 | 2728 | 2730 | rVB3 | 423    | 274    | 0.02%  | 0.003% |
| 57 | 9.825  | 2730 | 2732 | 2737 | rBV2 | 511    | 404    | 0.03%  | 0.005% |
| 58 | 10.072 | 2803 | 2809 | 2812 | rVB3 | 548    | 548    | 0.04%  | 0.006% |
| 59 | 10.153 | 2820 | 2834 | 2862 | rBV  | 368131 | 593316 | 44.73% | 6.755% |
| 60 | 10.323 | 2876 | 2887 | 2898 | rBV2 | 17774  | 28045  | 2.11%  | 0.319% |
| 61 | 10.529 | 2948 | 2951 | 2956 | rVB3 | 424    | 360    | 0.03%  | 0.004% |
| 62 | 10.622 | 2976 | 2980 | 2982 | rBV2 | 368    | 306    | 0.02%  | 0.003% |
| 63 | 10.844 | 3046 | 3049 | 3051 | rBV3 | 487    | 339    | 0.03%  | 0.004% |
| 64 | 10.944 | 3076 | 3080 | 3081 | rBV  | 408    | 309    | 0.02%  | 0.004% |
| 65 | 11.079 | 3118 | 3122 | 3130 | rVB5 | 995    | 1283   | 0.10%  | 0.015% |
| 66 | 11.130 | 3135 | 3138 | 3144 | rBV2 | 681    | 770    | 0.06%  | 0.009% |
| 67 | 11.185 | 3144 | 3155 | 3182 | rBV  | 339318 | 548562 | 41.36% | 6.246% |
| 68 | 11.445 | 3233 | 3236 | 3242 | rVB2 | 676    | 526    | 0.04%  | 0.006% |
| 69 | 11.484 | 3242 | 3248 | 3250 | rBV3 | 741    | 513    | 0.04%  | 0.006% |
| 70 | 11.561 | 3258 | 3272 | 3296 | rBV  | 390006 | 635066 | 47.88% | 7.231% |
| 71 | 11.780 | 3335 | 3340 | 3341 | rBV3 | 904    | 673    | 0.05%  | 0.008% |
| 72 | 11.841 | 3355 | 3359 | 3366 | rVB5 | 589    | 695    | 0.05%  | 0.008% |
| 73 | 11.892 | 3371 | 3375 | 3378 | rBV2 | 377    | 302    | 0.02%  | 0.003% |
| 74 | 11.924 | 3378 | 3385 | 3386 | rBV3 | 853    | 834    | 0.06%  | 0.009% |
| 75 | 12.194 | 3458 | 3469 | 3479 | rVB3 | 10765  | 17331  | 1.31%  | 0.197% |
| 76 | 12.255 | 3484 | 3488 | 3490 | rBV2 | 495    | 405    | 0.03%  | 0.005% |

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 Misc : 6.45g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

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\SFAMVLM050624SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 12.294 | 3498 | 3500 | 3505 | rBV3 | 637   | 336   | 0.03% | 0.004% |
| 78  | 12.362 | 3518 | 3521 | 3524 | rVB2 | 595   | 428   | 0.03% | 0.005% |
| 79  | 12.484 | 3552 | 3559 | 3562 | rBV3 | 560   | 608   | 0.05% | 0.007% |
| 80  | 12.577 | 3583 | 3588 | 3596 | rVV6 | 2570  | 3486  | 0.26% | 0.040% |
| 81  | 12.670 | 3614 | 3617 | 3621 | rVB3 | 436   | 305   | 0.02% | 0.003% |
| 82  | 12.747 | 3638 | 3641 | 3645 | rVB2 | 436   | 260   | 0.02% | 0.003% |
| 83  | 12.805 | 3657 | 3659 | 3660 | rVV3 | 626   | 295   | 0.02% | 0.003% |
| 84  | 12.831 | 3661 | 3667 | 3679 | rVB7 | 2953  | 4054  | 0.31% | 0.046% |
| 85  | 12.921 | 3690 | 3695 | 3698 | rVV3 | 599   | 545   | 0.04% | 0.006% |
| 86  | 12.963 | 3703 | 3708 | 3710 | rBV2 | 469   | 401   | 0.03% | 0.005% |
| 87  | 13.207 | 3777 | 3784 | 3785 | rBV4 | 924   | 928   | 0.07% | 0.011% |
| 88  | 13.413 | 3844 | 3848 | 3850 | rBV2 | 497   | 385   | 0.03% | 0.004% |
| 89  | 13.452 | 3857 | 3860 | 3861 | rBV  | 567   | 337   | 0.03% | 0.004% |
| 90  | 13.683 | 3921 | 3932 | 3943 | rBV2 | 23330 | 34749 | 2.62% | 0.396% |
| 91  | 13.837 | 3971 | 3980 | 3984 | rBV7 | 1208  | 1781  | 0.13% | 0.020% |
| 92  | 13.944 | 4011 | 4013 | 4017 | rVB3 | 437   | 275   | 0.02% | 0.003% |
| 93  | 13.985 | 4017 | 4026 | 4033 | rBV  | 2750  | 4638  | 0.35% | 0.053% |
| 94  | 14.085 | 4051 | 4057 | 4059 | rBV5 | 1126  | 1022  | 0.08% | 0.012% |
| 95  | 14.117 | 4065 | 4067 | 4074 | rVB3 | 1724  | 1811  | 0.14% | 0.021% |
| 96  | 14.294 | 4120 | 4122 | 4126 | rVB3 | 1187  | 701   | 0.05% | 0.008% |
| 97  | 14.329 | 4130 | 4133 | 4137 | rVB3 | 691   | 565   | 0.04% | 0.006% |
| 98  | 14.683 | 4241 | 4243 | 4247 | rVB2 | 686   | 463   | 0.03% | 0.005% |
| 99  | 14.709 | 4247 | 4251 | 4253 | rBV3 | 579   | 496   | 0.04% | 0.006% |
| 100 | 14.786 | 4270 | 4275 | 4280 | rBV5 | 1882  | 2390  | 0.18% | 0.027% |

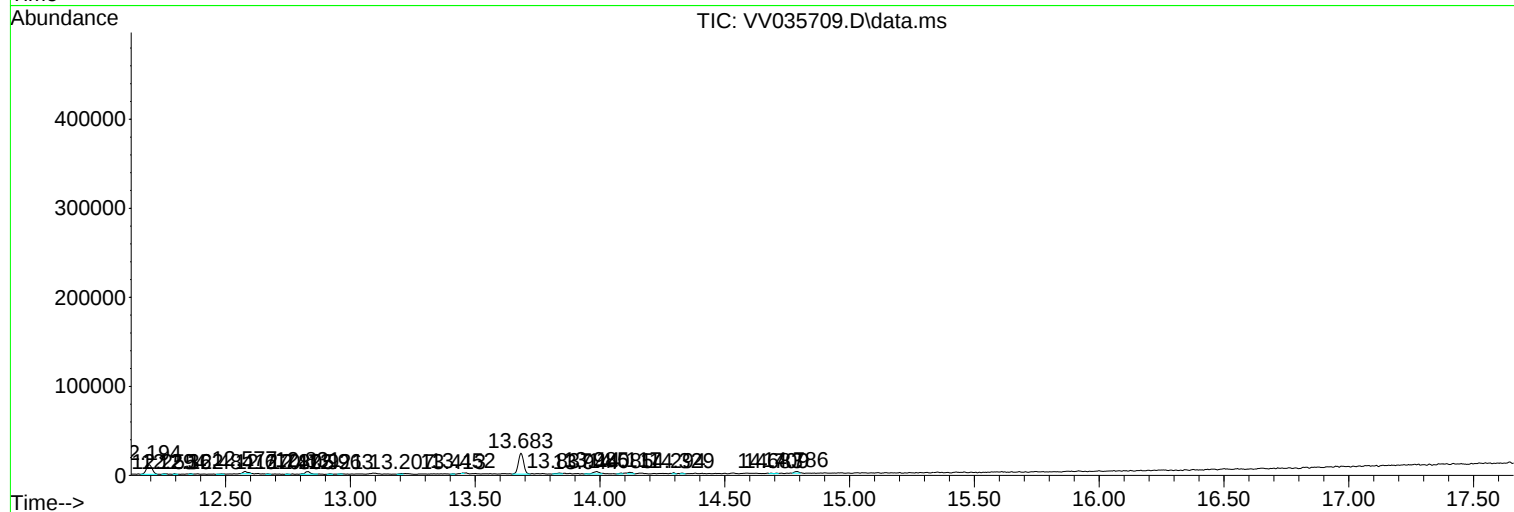
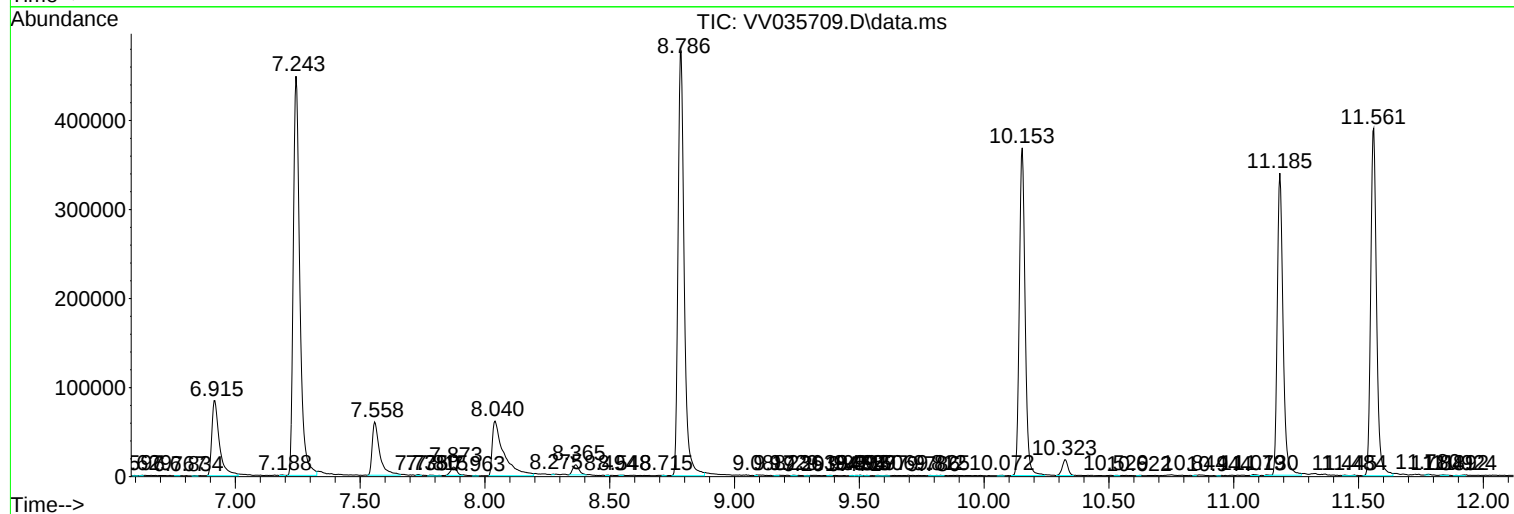
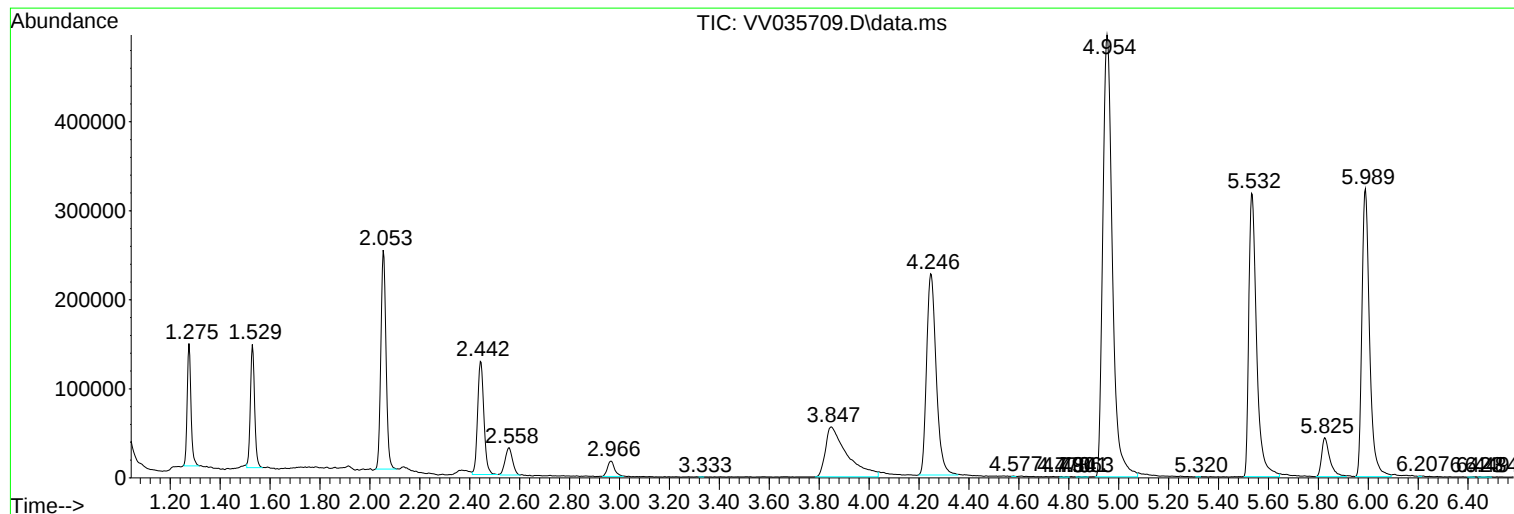
Sum of corrected areas: 8783118

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Data File : VV035709.D  
Acq On : 23 May 2024 18:00  
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Sample : P2568-23  
Misc : 6.45g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
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VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052324\  
Data File : VV035709.D  
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Operator : SY/MD  
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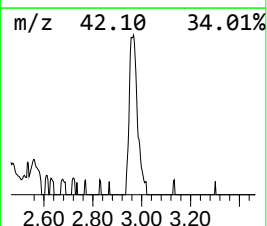
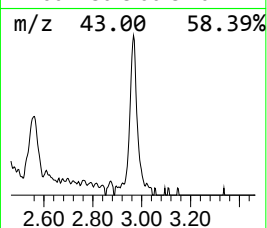
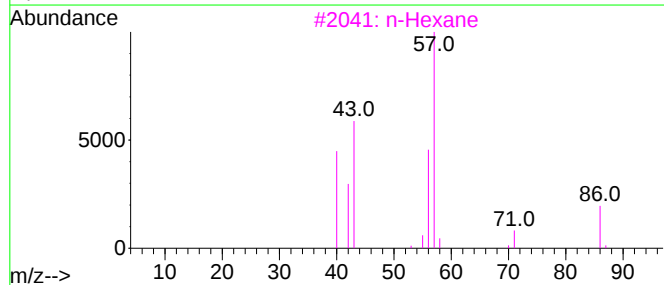
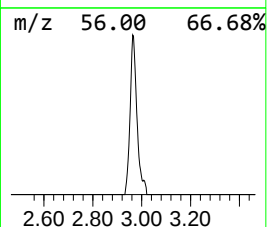
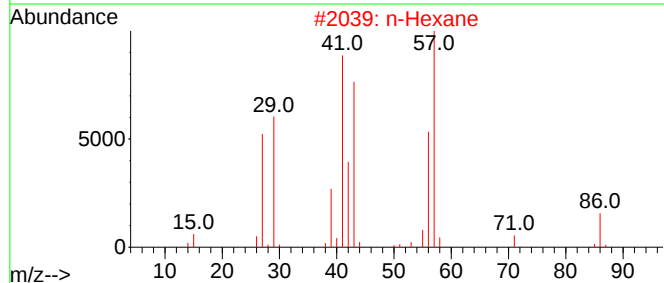
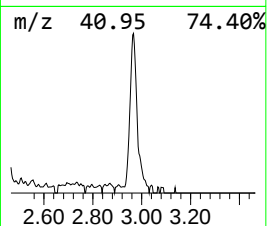
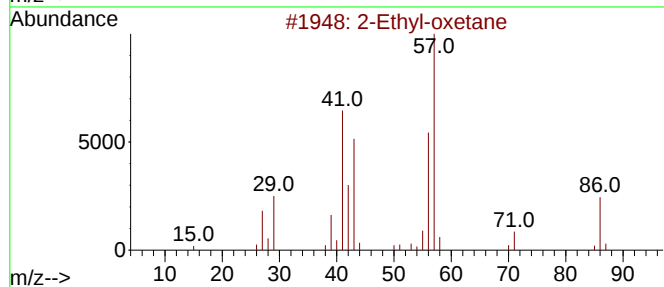
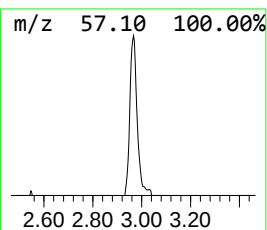
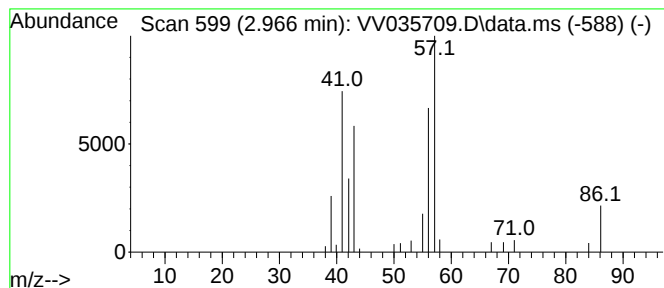
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 2-Ethyl-oxetane Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.966 | 1.26 ug/L | 34842 | 1,4-Difluorobenzene | 5.535 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#         | Qual |
|------|----|---|-----------------|----|---------|--------------|------|
| 1    |    |   | 2-Ethyl-oxetane | 86 | C5H10O  | 1010386-40-2 | 72   |
| 2    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 64   |
| 3    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 53   |
| 4    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 45   |
| 5    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 40   |



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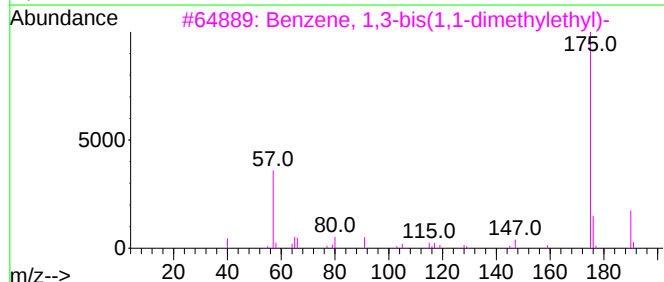
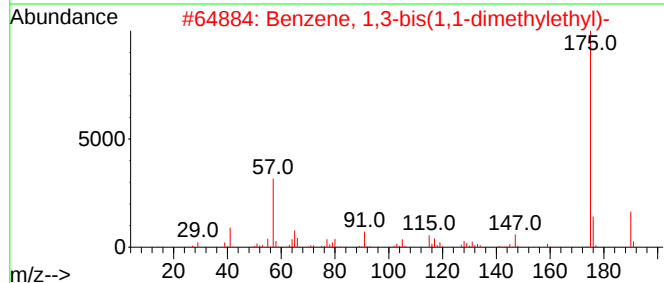
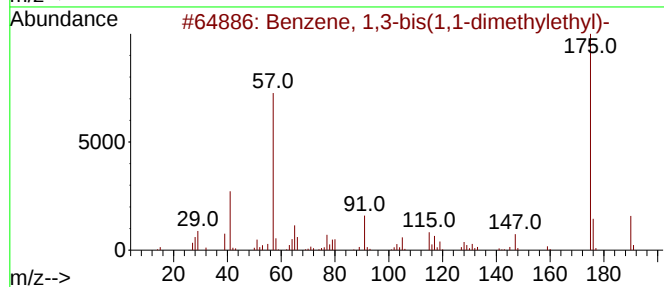
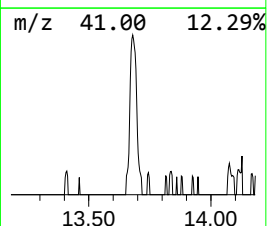
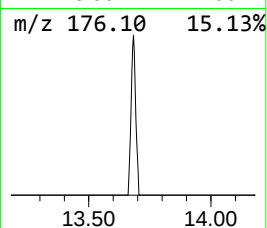
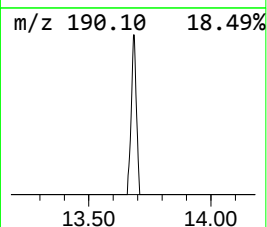
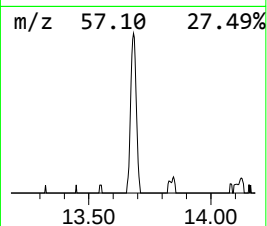
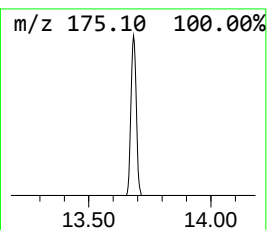
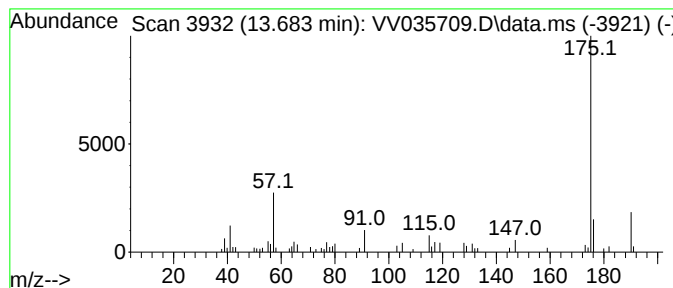
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 6 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.683 | 1.58 ug/L | 34749 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 95   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 93   |
| 3    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 87   |
| 4    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 81   |
| 5    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052324\  
Data File : VV035709.D  
Acq On : 23 May 2024 18:00  
Operator : SY/MD  
Sample : P2568-23  
Misc : 6.45g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.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 |
| 2-Ethyl-oxetane    | 2.966  | 1.3     | ug/L  | 34842    | 1                     | 5.535  | 691039 | 25.0 |
| Benzene, 1,3-bi... | 13.683 | 1.6     | ug/L  | 34749    | 3                     | 11.185 | 548562 | 25.0 |