

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121021\  
 Data File : VX025720.D  
 Acq On : 10 Dec 2021 22:41  
 Operator : JC/MD  
 Sample : M4981-12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0CP2

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\_X\Method\SFAMXML112221WMA.M  
 Title : VOC Analysis

Signal : TIC: VX025720.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         | 1.252       | 24            | 27          | 43           | rVB2     | 10737          | 20262         | 1.27%           | 0.453%        |
| 2         | 1.368       | 43            | 46          | 52           | rVB      | 47305          | 45149         | 2.83%           | 1.008%        |
| 3         | 1.666       | 91            | 95          | 104          | rBV      | 35659          | 47267         | 2.96%           | 1.056%        |
| 4         | 2.313       | 194           | 201         | 214          | rBV2     | 100981         | 196017        | 12.29%          | 4.378%        |
| 5         | 2.611       | 248           | 250         | 252          | rBV      | 300            | 262           | 0.02%           | 0.006%        |
| 6         | 2.941       | 299           | 304         | 306          | rBV2     | 663            | 980           | 0.06%           | 0.022%        |
| 7         | 2.983       | 309           | 311         | 315          | rVB2     | 194            | 210           | 0.01%           | 0.005%        |
| 8         | 3.130       | 333           | 335         | 338          | rBV2     | 179            | 230           | 0.01%           | 0.005%        |
| 9         | 3.501       | 394           | 396         | 399          | rBV      | 187            | 271           | 0.02%           | 0.006%        |
| 10        | 3.581       | 408           | 409         | 410          | rBV      | 444            | 236           | 0.01%           | 0.005%        |
| 11        | 3.611       | 412           | 414         | 421          | rVB3     | 1215           | 1881          | 0.12%           | 0.042%        |
| 12        | 3.861       | 450           | 455         | 457          | rBV2     | 289            | 482           | 0.03%           | 0.011%        |
| 13        | 4.050       | 484           | 486         | 487          | rVB      | 331            | 193           | 0.01%           | 0.004%        |
| 14        | 4.068       | 487           | 489         | 490          | rBV2     | 263            | 263           | 0.02%           | 0.006%        |
| 15        | 4.337       | 531           | 533         | 536          | rBV2     | 185            | 231           | 0.01%           | 0.005%        |
| 16        | 4.489       | 544           | 558         | 573          | rBV2     | 49390          | 185499        | 11.63%          | 4.143%        |
| 17        | 4.660       | 583           | 586         | 588          | rVB      | 197            | 186           | 0.01%           | 0.004%        |
| 18        | 4.684       | 588           | 590         | 594          | rBV2     | 169            | 229           | 0.01%           | 0.005%        |
| 19        | 4.763       | 601           | 603         | 608          | rBV2     | 224            | 421           | 0.03%           | 0.009%        |
| 20        | 4.812       | 610           | 611         | 613          | rBV      | 236            | 214           | 0.01%           | 0.005%        |
| 21        | 4.946       | 631           | 633         | 635          | rBV      | 259            | 275           | 0.02%           | 0.006%        |
| 22        | 5.062       | 640           | 652         | 668          | rBV      | 44366          | 141214        | 8.86%           | 3.154%        |
| 23        | 5.276       | 686           | 687         | 691          | rVB2     | 244            | 197           | 0.01%           | 0.004%        |
| 24        | 5.391       | 695           | 706         | 719          | rVB2     | 27199          | 84858         | 5.32%           | 1.895%        |
| 25        | 5.849       | 779           | 781         | 784          | rBV      | 202            | 239           | 0.01%           | 0.005%        |
| 26        | 5.971       | 790           | 801         | 815          | rBV2     | 113597         | 337915        | 21.19%          | 7.547%        |
| 27        | 6.324       | 856           | 859         | 861          | rBV      | 507            | 546           | 0.03%           | 0.012%        |
| 28        | 6.501       | 885           | 888         | 891          | rVB2     | 250            | 346           | 0.02%           | 0.008%        |
| 29        | 6.538       | 891           | 894         | 895          | rBV      | 221            | 212           | 0.01%           | 0.005%        |
| 30        | 6.580       | 899           | 901         | 905          | rBV      | 263            | 247           | 0.02%           | 0.006%        |
| 31        | 6.763       | 923           | 931         | 944          | rBV      | 85077          | 200833        | 12.60%          | 4.485%        |
| 32        | 6.983       | 964           | 967         | 969          | rBV      | 172            | 205           | 0.01%           | 0.005%        |
| 33        | 7.062       | 979           | 980         | 981          | rBV      | 337            | 198           | 0.01%           | 0.004%        |
| 34        | 7.129       | 981           | 991         | 1012         | rVV      | 729211         | 1594485       | 100.00%         | 35.610%       |
| 35        | 7.312       | 1013          | 1021        | 1032         | rVB      | 69907          | 152493        | 9.56%           | 3.406%        |
| 36        | 7.434       | 1040          | 1041        | 1044         | rBV      | 257            | 292           | 0.02%           | 0.007%        |

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 ClientSampleId :  
 C0CP2

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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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\_X\Method\SFAMXLM112221WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.671  | 1078 | 1080 | 1084 | rVB2 | 294    | 336    | 0.02%  | 0.008% |
| 38 | 7.726  | 1084 | 1089 | 1090 | rBV2 | 303    | 435    | 0.03%  | 0.010% |
| 39 | 7.976  | 1128 | 1130 | 1131 | rBV2 | 264    | 226    | 0.01%  | 0.005% |
| 40 | 8.019  | 1135 | 1137 | 1139 | rVV  | 313    | 251    | 0.02%  | 0.006% |
| 41 | 8.226  | 1167 | 1171 | 1173 | rBV2 | 275    | 414    | 0.03%  | 0.009% |
| 42 | 8.251  | 1173 | 1175 | 1177 | rVB  | 334    | 235    | 0.01%  | 0.005% |
| 43 | 8.275  | 1177 | 1179 | 1181 | rBV  | 260    | 220    | 0.01%  | 0.005% |
| 44 | 8.330  | 1181 | 1188 | 1195 | rVV  | 48412  | 81271  | 5.10%  | 1.815% |
| 45 | 8.653  | 1234 | 1241 | 1249 | rBV  | 177623 | 279258 | 17.51% | 6.237% |
| 46 | 8.726  | 1249 | 1253 | 1260 | rVB2 | 2282   | 3904   | 0.24%  | 0.087% |
| 47 | 8.818  | 1266 | 1268 | 1270 | rVB  | 262    | 209    | 0.01%  | 0.005% |
| 48 | 8.872  | 1274 | 1277 | 1278 | rBV  | 196    | 249    | 0.02%  | 0.006% |
| 49 | 8.903  | 1280 | 1282 | 1283 | rBV  | 338    | 290    | 0.02%  | 0.006% |
| 50 | 8.952  | 1285 | 1290 | 1297 | rVB  | 34941  | 50141  | 3.14%  | 1.120% |
| 51 | 9.153  | 1319 | 1323 | 1328 | rBV2 | 1252   | 1834   | 0.12%  | 0.041% |
| 52 | 9.244  | 1336 | 1338 | 1340 | rBV  | 276    | 291    | 0.02%  | 0.006% |
| 53 | 9.275  | 1340 | 1343 | 1348 | rVB3 | 876    | 1000   | 0.06%  | 0.022% |
| 54 | 9.385  | 1356 | 1361 | 1374 | rBV  | 112699 | 163113 | 10.23% | 3.643% |
| 55 | 9.641  | 1401 | 1403 | 1404 | rBV  | 326    | 248    | 0.02%  | 0.006% |
| 56 | 9.763  | 1421 | 1423 | 1424 | rBV  | 309    | 243    | 0.02%  | 0.005% |
| 57 | 9.878  | 1440 | 1442 | 1446 | rVB  | 291    | 363    | 0.02%  | 0.008% |
| 58 | 10.006 | 1460 | 1463 | 1465 | rBV2 | 349    | 302    | 0.02%  | 0.007% |
| 59 | 10.055 | 1465 | 1471 | 1478 | rBV  | 186247 | 246189 | 15.44% | 5.498% |
| 60 | 10.165 | 1486 | 1489 | 1493 | rVB3 | 735    | 941    | 0.06%  | 0.021% |
| 61 | 10.488 | 1540 | 1542 | 1543 | rBV  | 210    | 180    | 0.01%  | 0.004% |
| 62 | 10.683 | 1572 | 1574 | 1576 | rVB2 | 301    | 213    | 0.01%  | 0.005% |
| 63 | 10.714 | 1576 | 1579 | 1581 | rBV  | 263    | 336    | 0.02%  | 0.008% |
| 64 | 10.732 | 1581 | 1582 | 1584 | rVV  | 396    | 222    | 0.01%  | 0.005% |
| 65 | 10.933 | 1614 | 1615 | 1618 | rBV  | 393    | 309    | 0.02%  | 0.007% |
| 66 | 11.006 | 1624 | 1627 | 1628 | rBV  | 276    | 320    | 0.02%  | 0.007% |
| 67 | 11.116 | 1642 | 1645 | 1650 | rVB3 | 720    | 1048   | 0.07%  | 0.023% |
| 68 | 11.195 | 1652 | 1658 | 1666 | rVB  | 129530 | 167183 | 10.49% | 3.734% |
| 69 | 11.281 | 1669 | 1672 | 1673 | rBV2 | 337    | 336    | 0.02%  | 0.008% |
| 70 | 11.482 | 1701 | 1705 | 1708 | rVB  | 356    | 377    | 0.02%  | 0.008% |
| 71 | 11.585 | 1719 | 1722 | 1723 | rBV2 | 198    | 208    | 0.01%  | 0.005% |
| 72 | 11.634 | 1728 | 1730 | 1734 | rVB2 | 223    | 283    | 0.02%  | 0.006% |
| 73 | 11.750 | 1746 | 1749 | 1752 | rBV4 | 769    | 1012   | 0.06%  | 0.023% |
| 74 | 11.927 | 1776 | 1778 | 1781 | rBV3 | 414    | 465    | 0.03%  | 0.010% |
| 75 | 12.024 | 1789 | 1794 | 1801 | rBV  | 171321 | 216999 | 13.61% | 4.846% |
| 76 | 12.122 | 1807 | 1810 | 1812 | rBV2 | 286    | 284    | 0.02%  | 0.006% |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0CP2

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\_X\Method\SFAMXML112221WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.152 | 1812 | 1815 | 1818 | rVB2 | 698    | 913    | 0.06%  | 0.020% |
| 78  | 12.323 | 1837 | 1843 | 1851 | rVB  | 180446 | 233455 | 14.64% | 5.214% |
| 79  | 12.591 | 1885 | 1887 | 1888 | rVB  | 373    | 210    | 0.01%  | 0.005% |
| 80  | 12.610 | 1888 | 1890 | 1891 | rBV  | 341    | 336    | 0.02%  | 0.008% |
| 81  | 12.671 | 1898 | 1900 | 1902 | rBV2 | 235    | 198    | 0.01%  | 0.004% |
| 82  | 12.701 | 1902 | 1905 | 1907 | rVB  | 322    | 298    | 0.02%  | 0.007% |
| 83  | 12.750 | 1911 | 1913 | 1915 | rBV  | 276    | 262    | 0.02%  | 0.006% |
| 84  | 12.780 | 1917 | 1918 | 1921 | rVB2 | 233    | 198    | 0.01%  | 0.004% |
| 85  | 12.933 | 1941 | 1943 | 1946 | rVB  | 249    | 281    | 0.02%  | 0.006% |
| 86  | 12.963 | 1946 | 1948 | 1949 | rBV  | 211    | 208    | 0.01%  | 0.005% |
| 87  | 13.049 | 1960 | 1962 | 1963 | rBV  | 317    | 281    | 0.02%  | 0.006% |
| 88  | 13.408 | 2019 | 2021 | 2023 | rBV  | 283    | 222    | 0.01%  | 0.005% |
| 89  | 13.676 | 2062 | 2065 | 2066 | rBV  | 295    | 293    | 0.02%  | 0.007% |
| 90  | 13.762 | 2076 | 2079 | 2080 | rBV  | 258    | 267    | 0.02%  | 0.006% |
| 91  | 14.128 | 2134 | 2139 | 2144 | rBV2 | 427    | 744    | 0.05%  | 0.017% |
| 92  | 14.554 | 2206 | 2209 | 2211 | rBV2 | 255    | 234    | 0.01%  | 0.005% |
| 93  | 15.091 | 2296 | 2297 | 2299 | rBV  | 355    | 195    | 0.01%  | 0.004% |
| 94  | 15.310 | 2327 | 2333 | 2336 | rBV3 | 227    | 482    | 0.03%  | 0.011% |
| 95  | 15.341 | 2336 | 2338 | 2341 | rVV3 | 214    | 241    | 0.02%  | 0.005% |
| 96  | 15.822 | 2415 | 2417 | 2418 | rBV  | 241    | 219    | 0.01%  | 0.005% |
| 97  | 15.890 | 2426 | 2428 | 2430 | rBV  | 326    | 267    | 0.02%  | 0.006% |
| 98  | 16.353 | 2501 | 2504 | 2505 | rBV  | 390    | 331    | 0.02%  | 0.007% |
| 99  | 16.597 | 2542 | 2544 | 2547 | rBV  | 358    | 412    | 0.03%  | 0.009% |
| 100 | 16.719 | 2562 | 2564 | 2566 | rBV2 | 328    | 295    | 0.02%  | 0.007% |

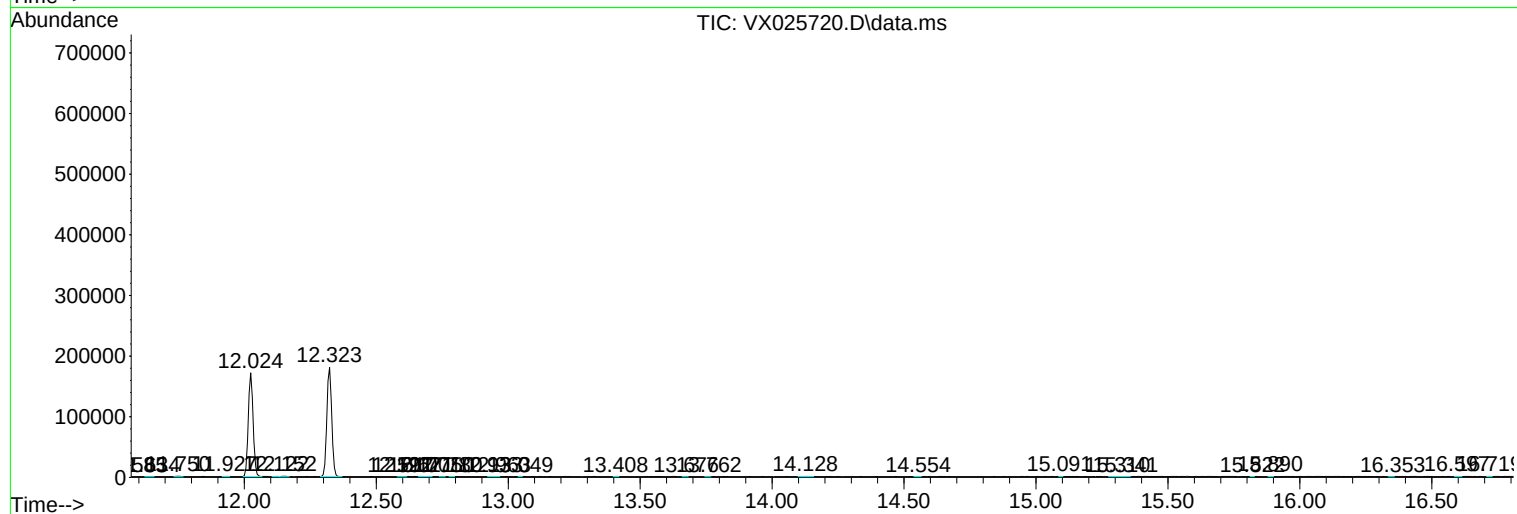
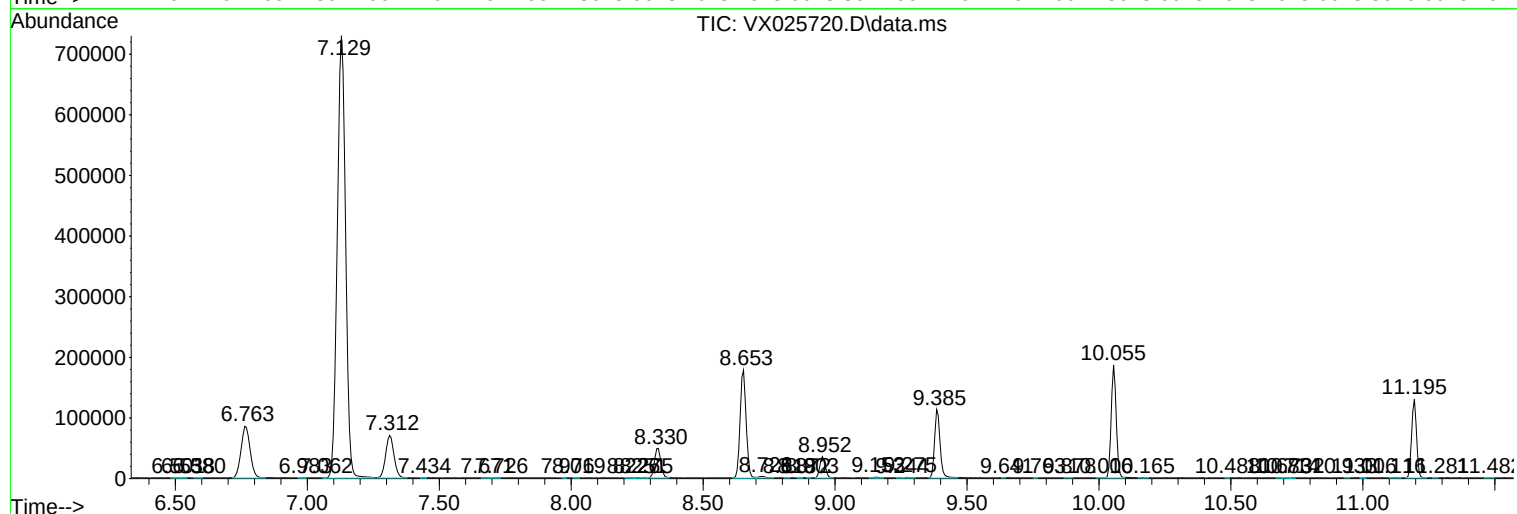
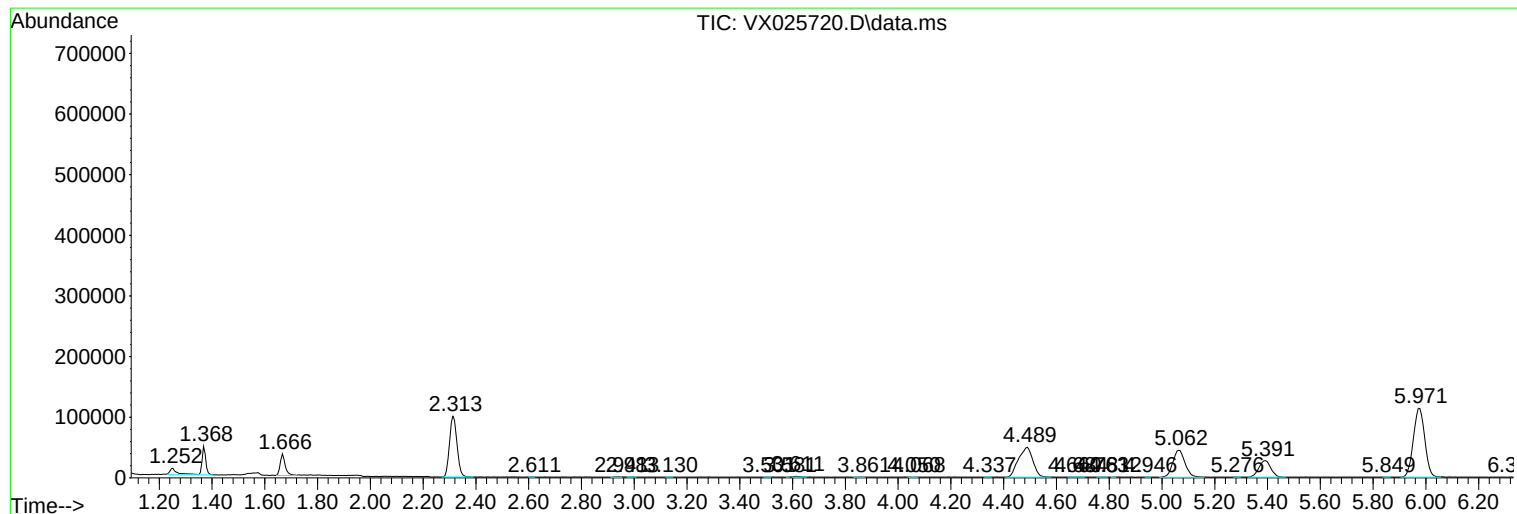
Sum of corrected areas: 4477618

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM112221WMA.M  
Quant Title : VOC Analysis

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



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Quant Title : VOC Analysis

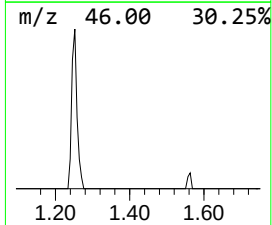
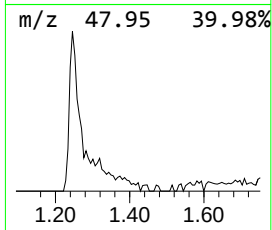
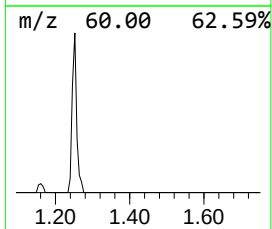
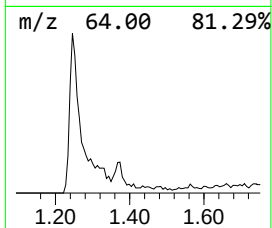
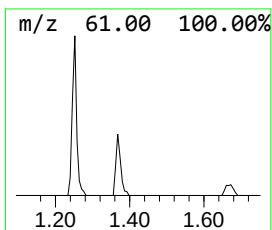
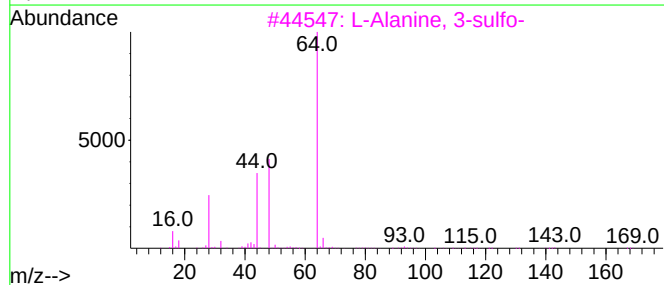
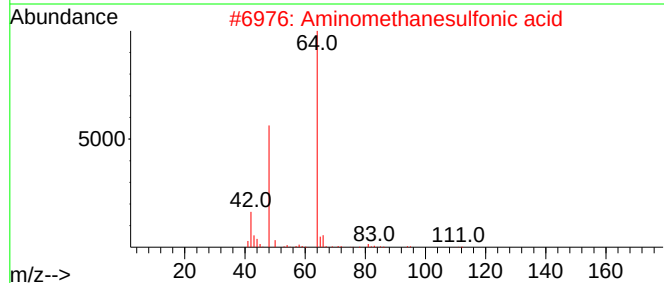
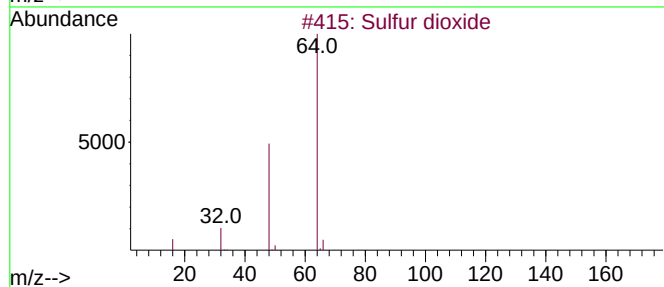
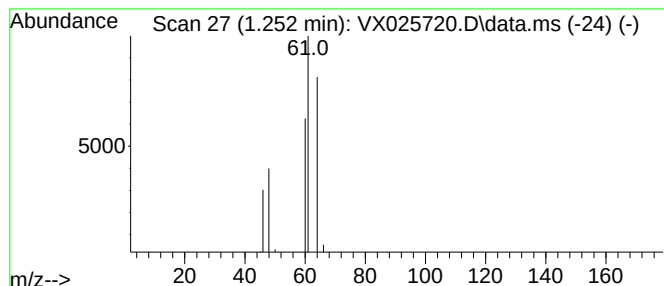
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.252 | 5.04 ug/L | 20262 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 42   |
| 2    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 36   |
| 3    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    |   | Methyl nitrite            | 61  | CH3NO2   | 000624-91-9 | 5    |



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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 1.252 | 5.0     | ug/L  | 20262    | 1                     | 6.763 | 200833 | 50.0 |