

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092724\  
 Data File : VV037623.D  
 Acq On : 27 Sep 2024 21:44  
 Operator : SY/MD  
 Sample : P4184-11  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY039

Quant Time: Sep 28 04:20:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 28 00:49:19 2024  
 Response via : Initial Calibration

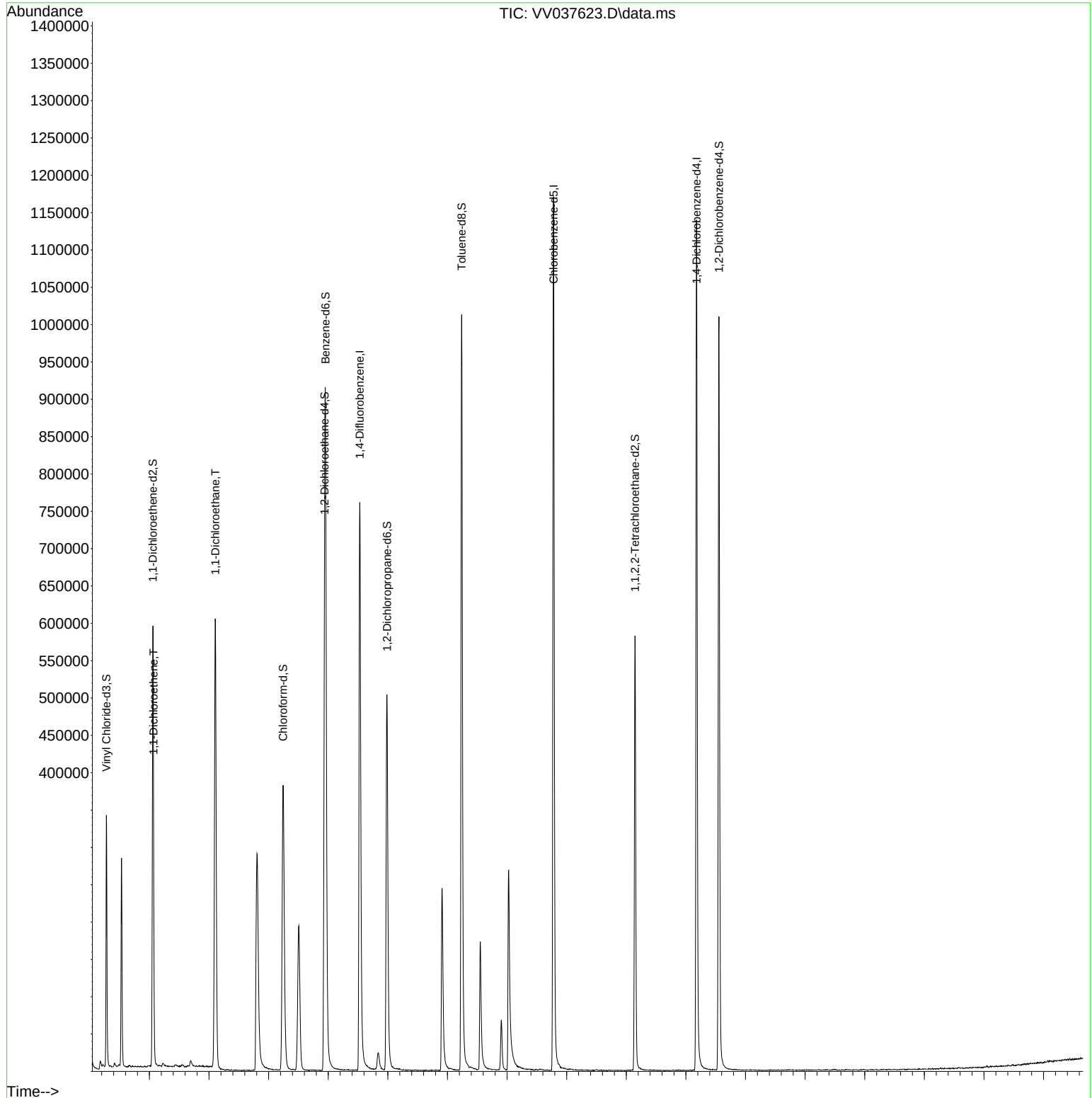
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114   | 673231   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780   | 117   | 662138   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178  | 152   | 299397   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 217038   | 36.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 73.440%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 180318   | 39.308   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 78.620%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 95948    | 38.860   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 77.720%  |
| 21) 2-Butanone-d5             | 3.793   | 46    | 159215   | 75.637   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 75.640%  |
| 24) Chloroform-d              | 4.243   | 84    | 412955   | 39.275   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 78.560%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 247898   | 40.280   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.560%  |
| 32) Benzene-d6                | 4.953   | 84    | 813382   | 39.257   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 78.520%  |
| 36) 1,2-Dichloropropane-d6    | 5.985   | 67    | 258203   | 39.135   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 78.280%  |
| 41) Toluene-d8                | 7.239   | 98    | 697607   | 37.131   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 74.260%# |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 105927   | 34.561   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 69.120%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 92497    | 66.393   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 66.390%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146  | 84    | 284285   | 37.083   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 74.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554  | 152   | 265328   | 42.056   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.120%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        |          |
| 5) Vinyl chloride             | 1.285   | 62    | 11656    | 1.954    | ug/L # | 61       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 11747    | 2.621    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.105   | 63    | 591186   | 65.075   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 124487   | 23.461   | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 4.506   | 97    | 162292   | 19.901   | ug/L   | 99       |
| 34) Trichloroethene           | 5.844   | 95    | 7602     | 1.429    | ug/L   | 85       |
| 46) Tetrachloroethene         | 7.905   | 164   | 15901    | 3.911    | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

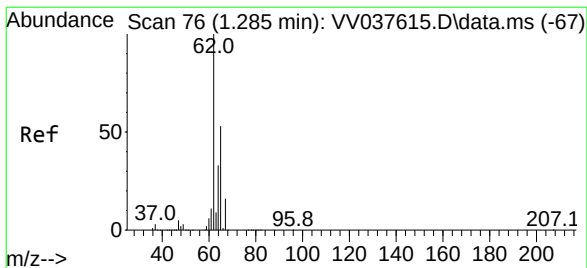
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Sep 28 00:49:19 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.954 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037623.D

Acq: 27 Sep 2024 21:44

Instrument :

MSVOA\_V

ClientSampleId :

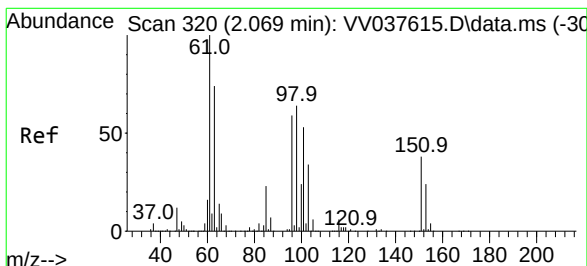
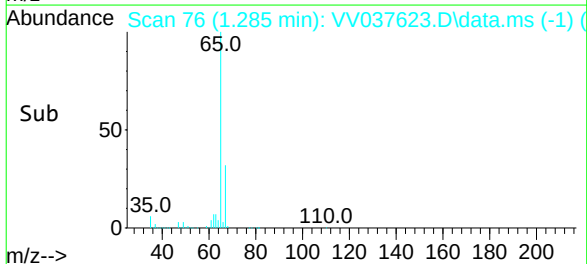
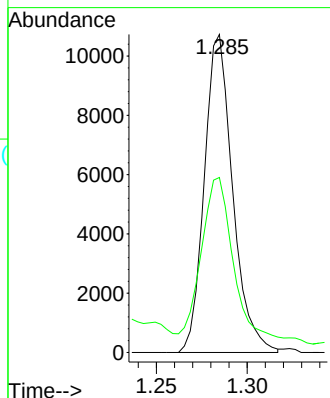
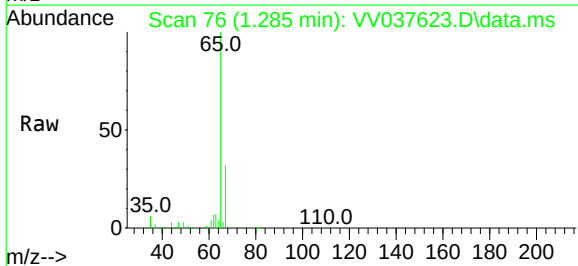
EY039

Tgt Ion: 62 Resp: 11656

Ion Ratio Lower Upper

62 100

64 55.0 23.2 43.0#



#12

1,1-Dichloroethene

Concen: 2.621 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037623.D

Acq: 27 Sep 2024 21:44

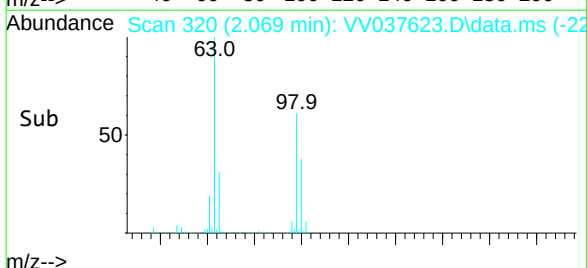
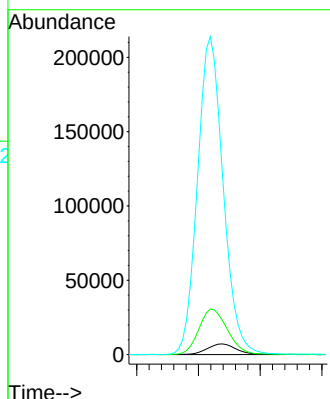
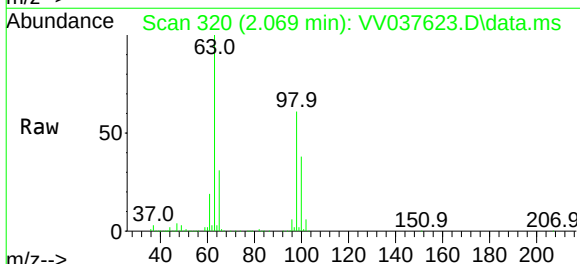
Tgt Ion: 96 Resp: 11747

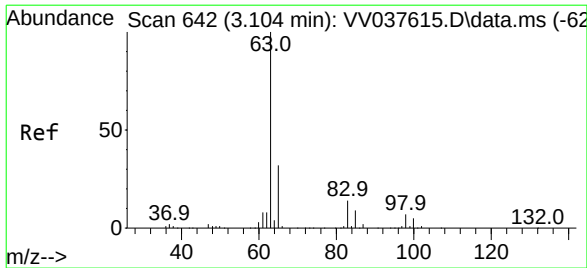
Ion Ratio Lower Upper

96 100

61 322.5 122.6 227.6#

63 1722.3 118.0 219.2#

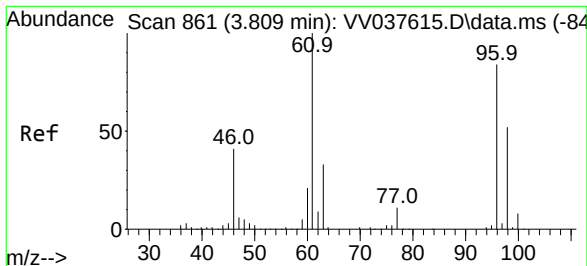
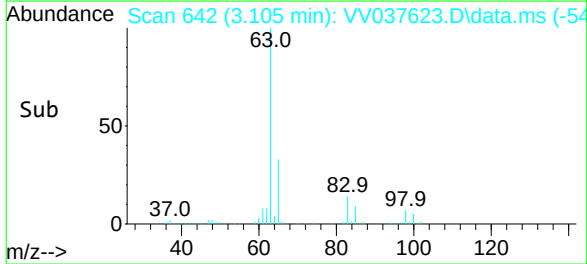
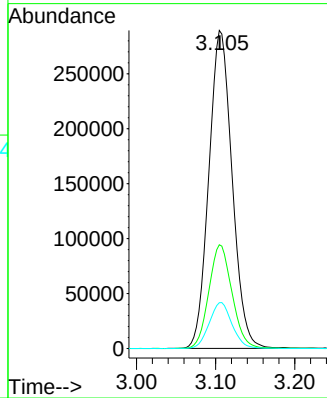
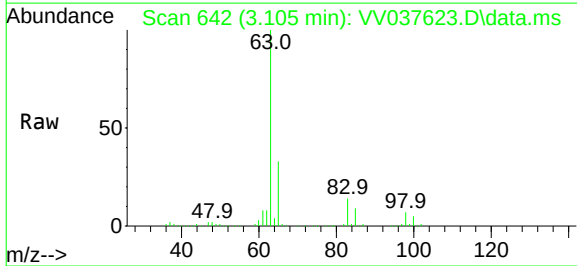




#19  
1,1-Dichloroethane  
Concen: 65.075 ug/L  
RT: 3.105 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VV037623.D  
Acq: 27 Sep 2024 21:44

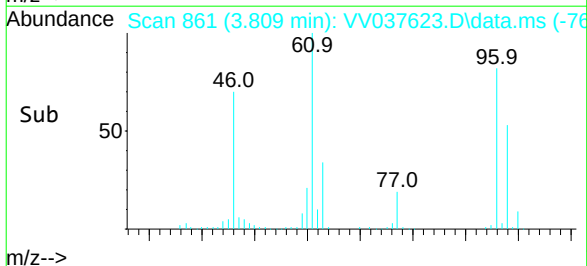
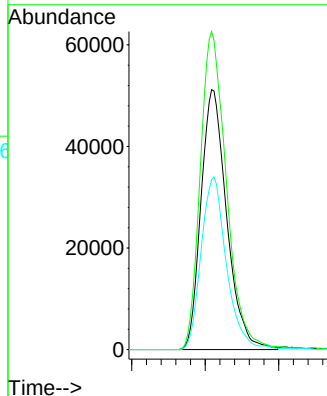
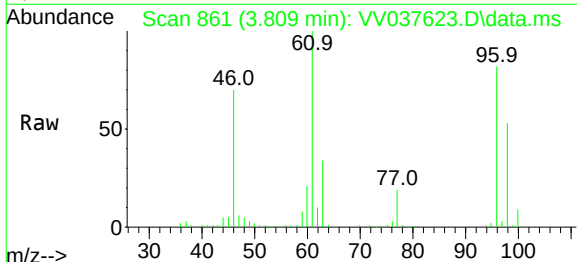
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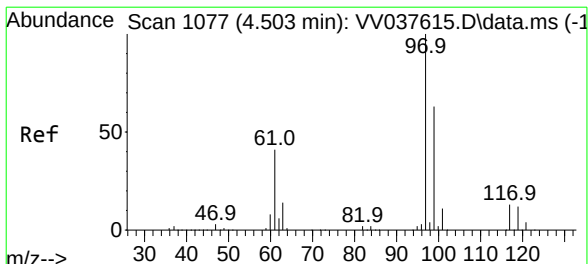
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 591186 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 32.6  | 22.4  | 41.6   |
| 83       | 14.4  | 9.5   | 17.7   |



#20  
cis-1,2-Dichloroethene  
Concen: 23.461 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: VV037623.D  
Acq: 27 Sep 2024 21:44

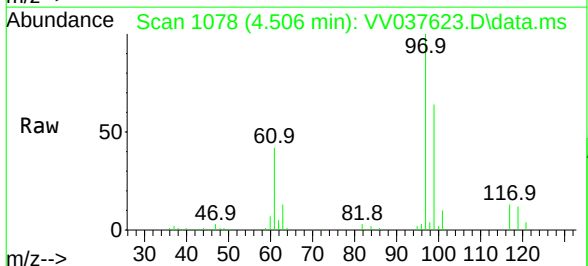
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 124487 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 122.4 | 85.0  | 157.8  |
| 98       | 65.3  | 44.2  | 82.0   |



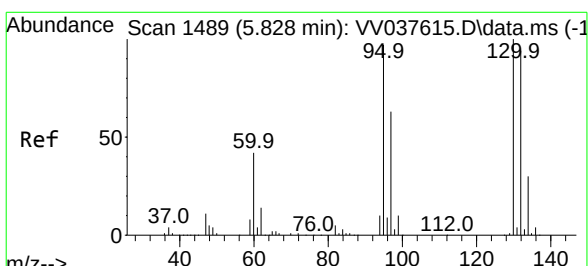
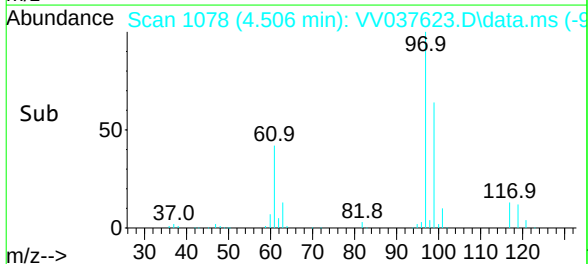
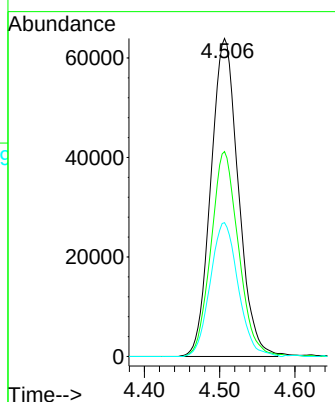


#30  
 1,1,1-Trichloroethane  
 Concen: 19.901 ug/L  
 RT: 4.506 min Scan# 1077  
 Delta R.T. 0.003 min  
 Lab File: VV037623.D  
 Acq: 27 Sep 2024 21:44

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY039

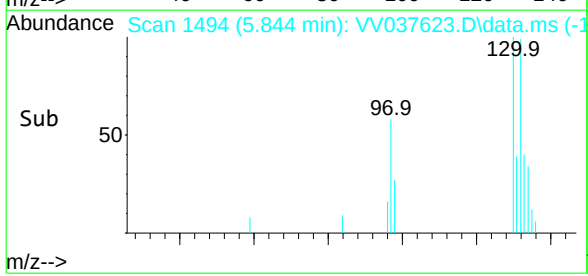
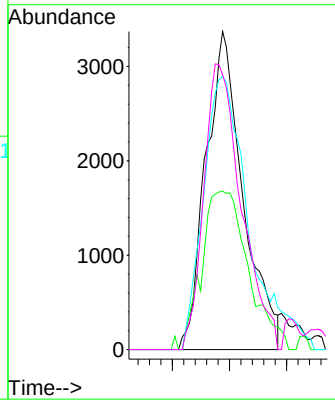
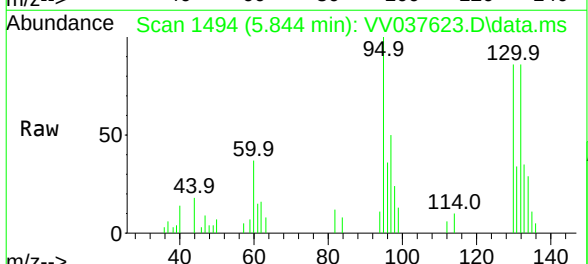


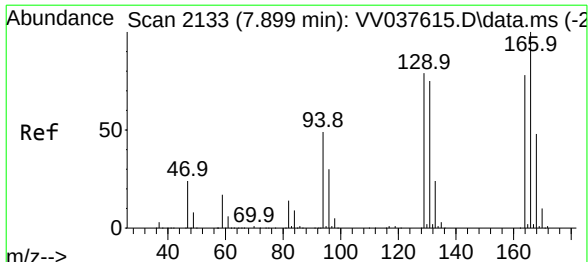
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 162292 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.4  | 51.8  | 77.6   |
| 61       | 42.8  | 33.6  | 50.4   |



#34  
 Trichloroethene  
 Concen: 1.429 ug/L  
 RT: 5.844 min Scan# 1494  
 Delta R.T. 0.016 min  
 Lab File: VV037623.D  
 Acq: 27 Sep 2024 21:44

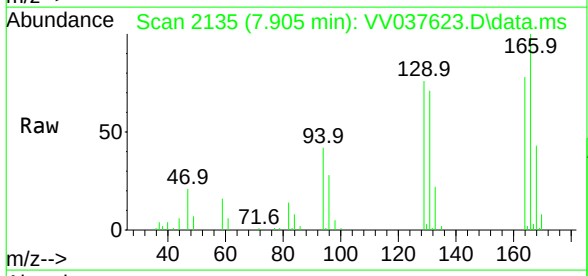
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 7602  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 49.8  | 46.3  | 85.9  |
| 132      | 85.9  | 68.6  | 127.4 |
| 130      | 86.4  | 70.9  | 131.7 |





#46  
 Tetrachloroethene  
 Concen: 3.911 ug/L  
 RT: 7.905 min Scan# 21  
 Delta R.T. 0.007 min  
 Lab File: VV037623.D  
 Acq: 27 Sep 2024 21:44

Instrument : MSVOA\_V  
 ClientSampleId : EY039



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 15901 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 129       | 97.0  | 68.2  | 126.6 |
| 131       | 90.4  | 66.1  | 122.8 |
| 166       | 128.3 | 91.1  | 169.1 |

