

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061523\  
 Data File : VW031533.D  
 Acq On : 15 Jun 2023 16:00  
 Operator : SY/MD  
 Sample : 03249-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYT1

Quant Time: Jun 16 02:49:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 16 02:44:48 2023  
 Response via : Initial Calibration

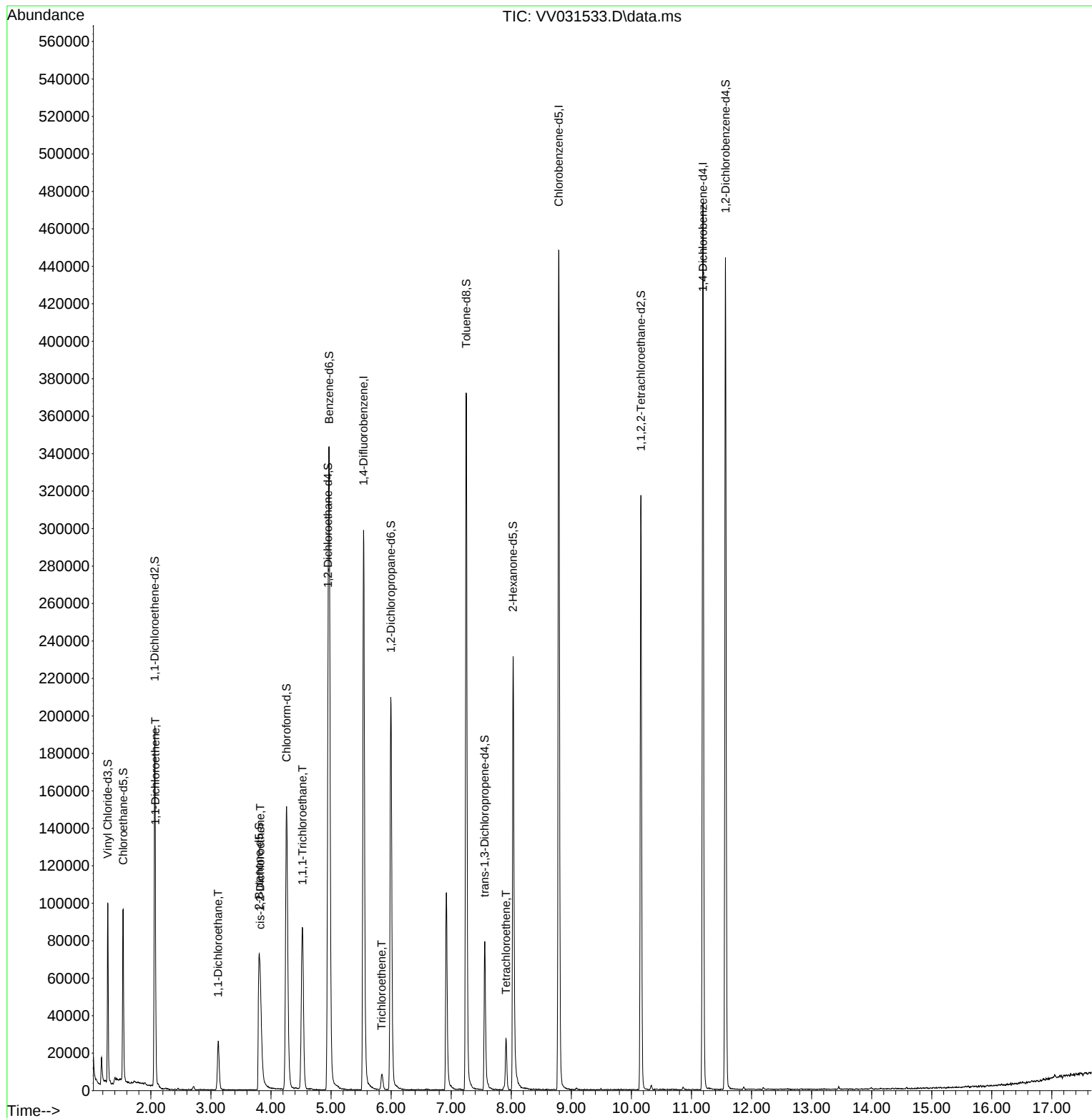
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.542          | 114  | 240370     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793          | 117  | 236930     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191         | 152  | 119102     | 50.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.282          | 65   | 63275      | 39.553  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 79.100% |        |          |
| 7) Chloroethane-d5            | 1.539          | 69   | 60282      | 43.187  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 86.380% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.066          | 65   | 33390      | 40.498  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.000% |        |          |
| 21) 2-Butanone-d5             | 3.802          | 46   | 115663     | 89.291  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 89.290% |        |          |
| 24) Chloroform-d              | 4.259          | 84   | 165408     | 41.286  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 82.580% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.950          | 65   | 110764     | 44.187  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.380% |        |          |
| 32) Benzene-d6                | 4.970          | 84   | 294853     | 44.212  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.420% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 107313     | 45.400  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 90.800% |        |          |
| 41) Toluene-d8                | 7.249          | 98   | 251379     | 41.076  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 82.160% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 47397      | 41.132  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 82.260% |        |          |
| 47) 2-Hexanone-d5             | 8.031          | 63   | 83257      | 89.209  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 89.210% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 153094     | 42.910  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 85.820% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 108030     | 47.584  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.160% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.076          | 96   | 2996       | 1.685   | ug/L   | # 1      |
| 19) 1,1-Dichloroethane        | 3.121          | 63   | 28512      | 7.116   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.822          | 96   | 13854      | 6.905   | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 4.526          | 97   | 75624      | 19.908  | ug/L   | 99       |
| 34) Trichloroethene           | 5.844          | 95   | 3565       | 1.691   | ug/L   | 87       |
| 46) Tetrachloroethene         | 7.912          | 164  | 5890       | 3.560   | ug/L   | 96       |
| -----                         |                |      |            |         |        |          |

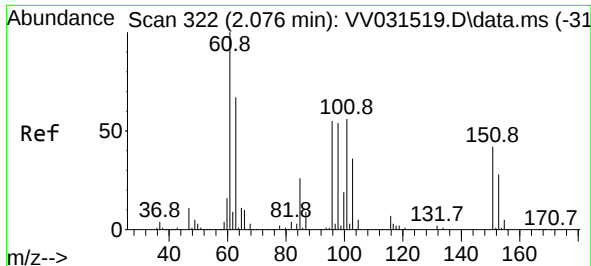
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Title : VOC Analysis  
QLast Update : Fri Jun 16 02:44:48 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.685 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031533.D

Acq: 15 Jun 2023 16:00

Instrument :

MSVOA\_V

ClientSampleId :

EXYT1

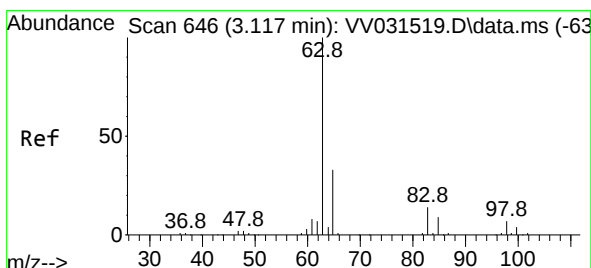
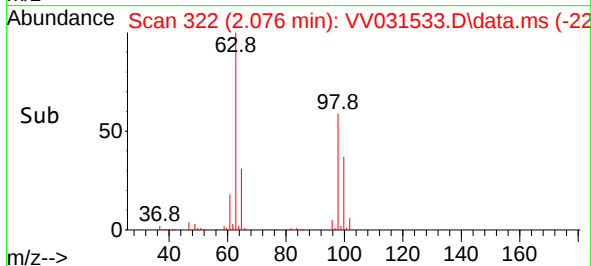
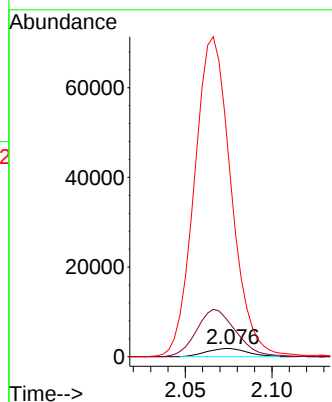
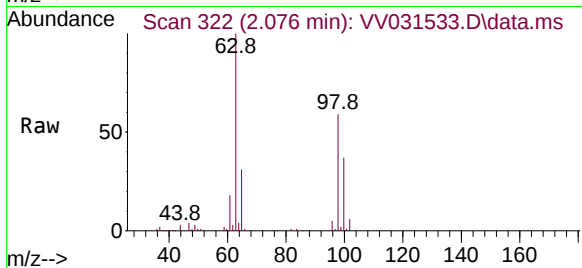
Tgt Ion: 96 Resp: 2996

Ion Ratio Lower Upper

96 100

61 400.2 128.9 239.5#

63 2206.1 95.3 177.1#



#19

1,1-Dichloroethane

Concen: 7.116 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV031533.D

Acq: 15 Jun 2023 16:00

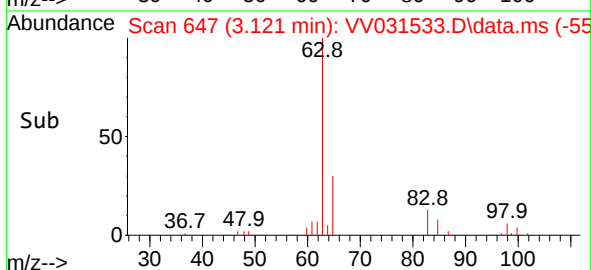
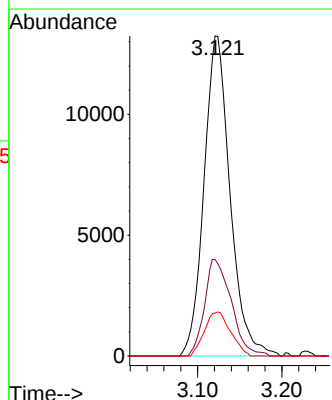
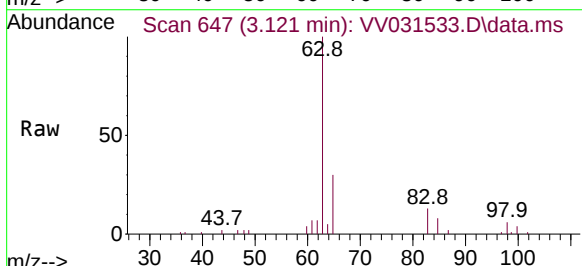
Tgt Ion: 63 Resp: 28512

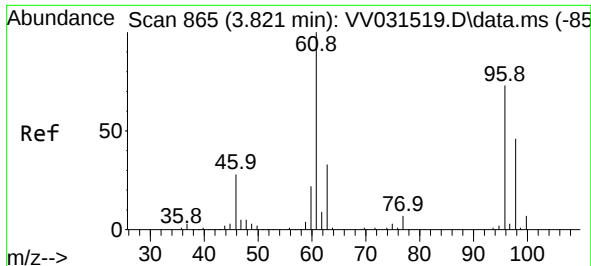
Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

83 13.5 10.0 18.6

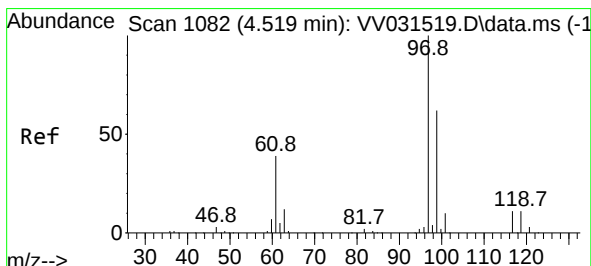
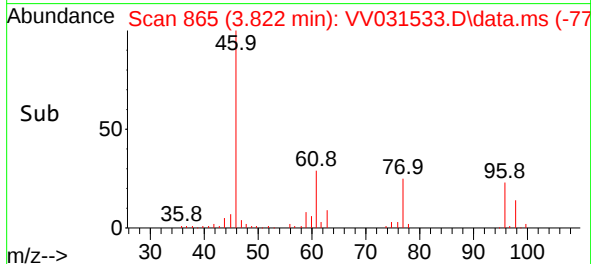
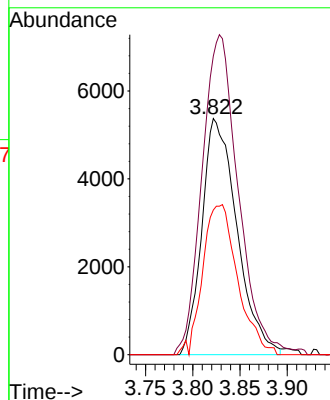
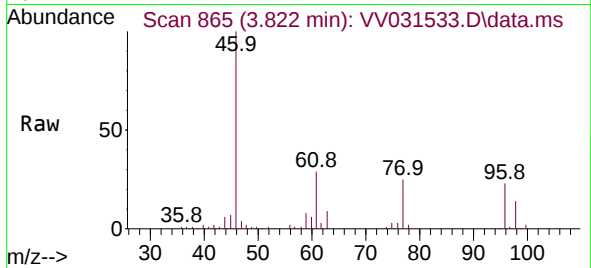




#20  
 cis-1,2-Dichloroethene  
 Concen: 6.905 ug/L  
 RT: 3.822 min Scan# 865  
 Delta R.T. 0.000 min  
 Lab File: VV031533.D  
 Acq: 15 Jun 2023 16:00

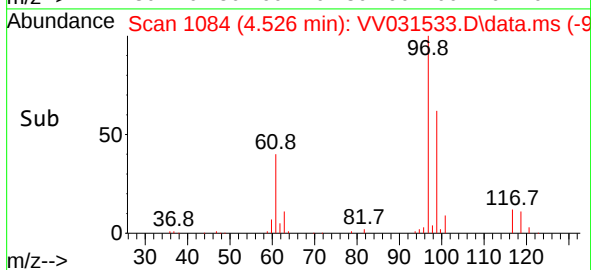
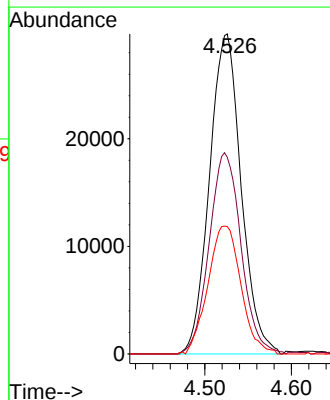
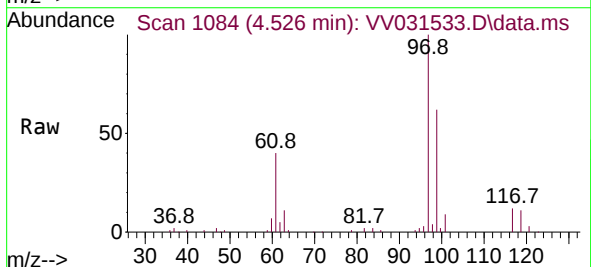
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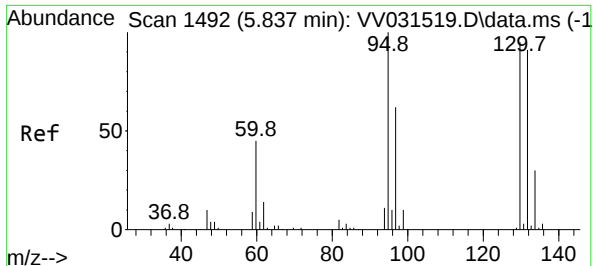
Tgt Ion: 96 Resp: 13854  
 Ion Ratio Lower Upper  
 96 100  
 61 133.8 98.6 183.0  
 98 61.2 45.7 84.9



#30  
 1,1,1-Trichloroethane  
 Concen: 19.908 ug/L  
 RT: 4.526 min Scan# 1084  
 Delta R.T. 0.007 min  
 Lab File: VV031533.D  
 Acq: 15 Jun 2023 16:00

Tgt Ion: 97 Resp: 75624  
 Ion Ratio Lower Upper  
 97 100  
 99 63.3 51.8 77.6  
 61 41.5 33.0 49.6



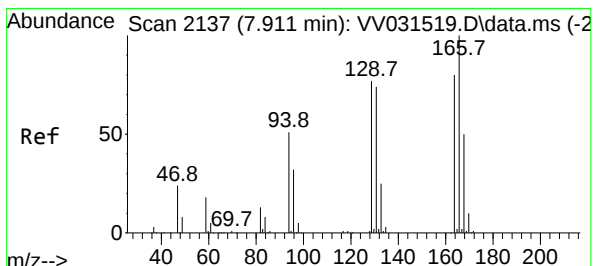
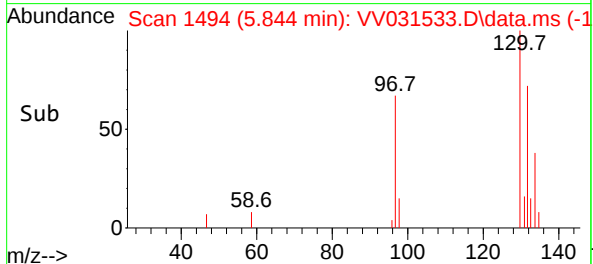
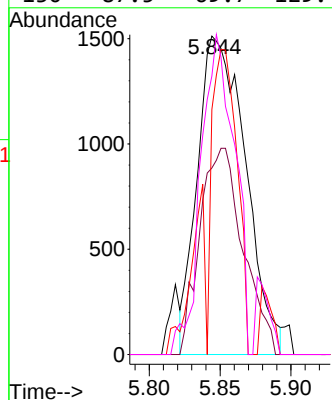
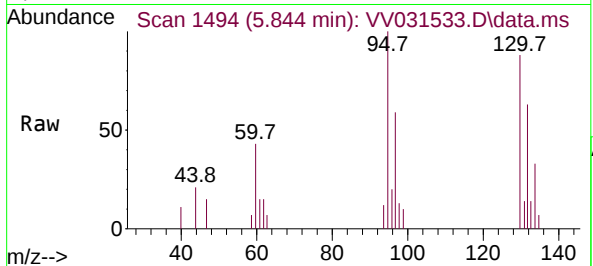


#34  
Trichloroethene  
Concen: 1.691 ug/L  
RT: 5.844 min Scan# 1492  
Delta R.T. 0.007 min  
Lab File: VV031533.D  
Acq: 15 Jun 2023 16:00

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYT1

Tgt Ion: 95 Resp: 3565

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 71.6  | 46.8  | 86.8  |
| 132 | 77.0  | 66.4  | 123.2 |
| 130 | 87.5  | 69.7  | 129.4 |



#46  
Tetrachloroethene  
Concen: 3.560 ug/L  
RT: 7.912 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VV031533.D  
Acq: 15 Jun 2023 16:00

Tgt Ion: 164 Resp: 5890

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.0  | 68.4  | 127.0 |
| 131 | 99.3  | 67.6  | 125.6 |
| 166 | 122.4 | 91.3  | 169.5 |

