

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
 Data File : VV037558.D  
 Acq On : 26 Sep 2024 19:00  
 Operator : SY/MD  
 Sample : P4184-07  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY035

Quant Time: Sep 27 00:54:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 00:49:09 2024  
 Response via : Initial Calibration

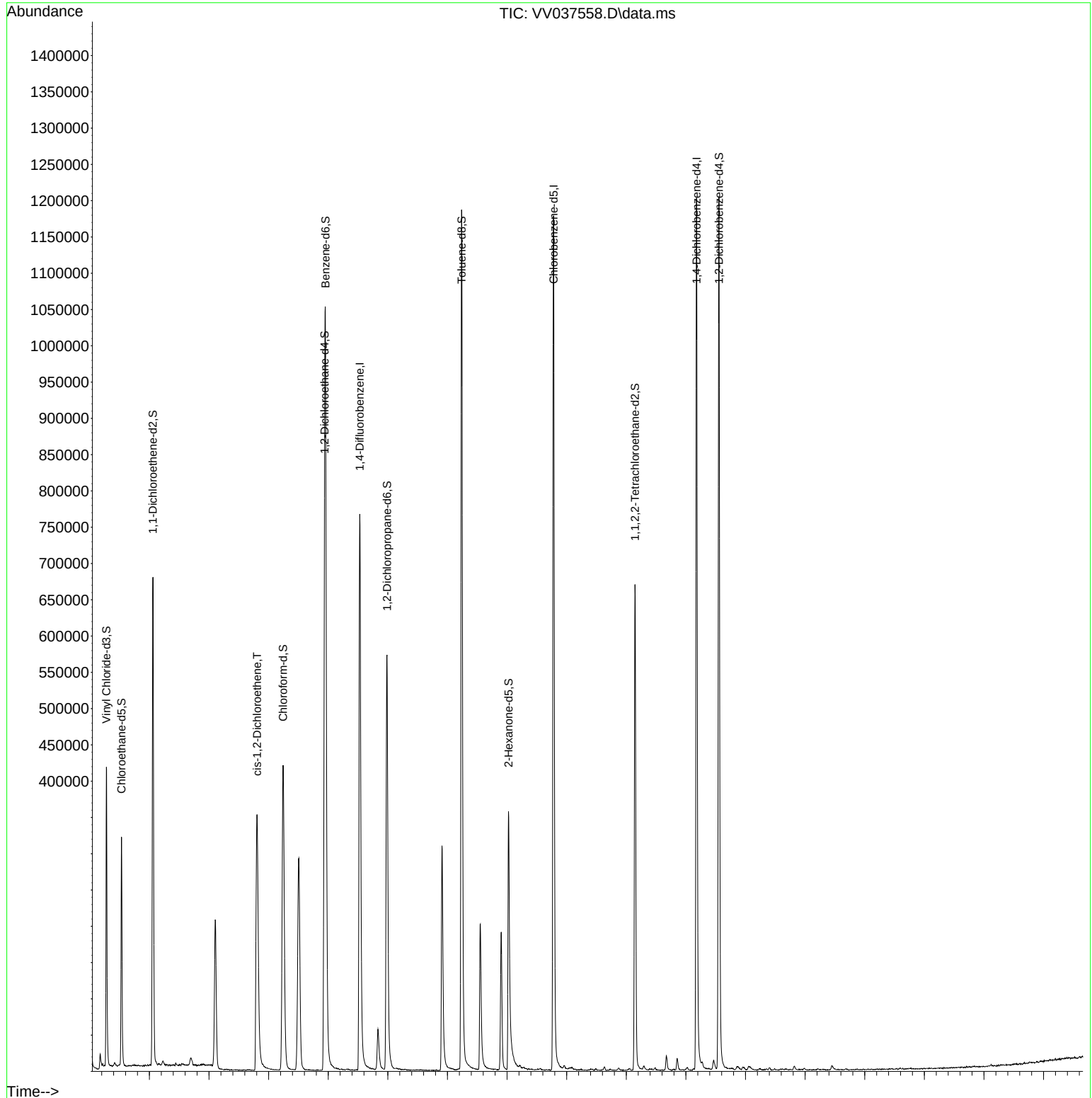
| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.529          | 114  | 683583     | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780          | 117  | 658061     | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178         | 152  | 316973     | 50.000  | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 261412     | 43.563  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 87.120% |       |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 205023     | 44.017  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 88.040% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 112421     | 44.842  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.680% |       |          |
| 21) 2-Butanone-d5             | 3.796          | 46   | 201835     | 94.432  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 94.430% |       |          |
| 24) Chloroform-d              | 4.243          | 84   | 459562     | 43.046  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.100% |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 274322     | 43.899  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.800% |       |          |
| 32) Benzene-d6                | 4.953          | 84   | 926019     | 44.970  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.940% |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 291096     | 44.394  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 88.780% |       |          |
| 41) Toluene-d8                | 7.236          | 98   | 811816     | 43.477  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.960% |       |          |
| 43) trans-1,3-Dichloroprop... | 7.548          | 79   | 127345     | 41.807  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.620% |       |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 121577     | 87.807  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 87.810% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146         | 84   | 331652     | 43.530  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 87.060% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554         | 152  | 311280     | 46.604  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.200% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 5) Vinyl chloride             | 1.285          | 62   | 23712      | 3.915   | ug/L  | # 79     |
| 19) 1,1-Dichloroethane        | 3.105          | 63   | 202662     | 21.970  | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 3.809          | 96   | 149827     | 27.809  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.506          | 97   | 247719     | 30.564  | ug/L  | 99       |
| 34) Trichloroethene           | 5.838          | 95   | 18946      | 3.585   | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.902          | 164  | 43768      | 10.831  | ug/L  | 94       |
| -----                         |                |      |            |         |       |          |

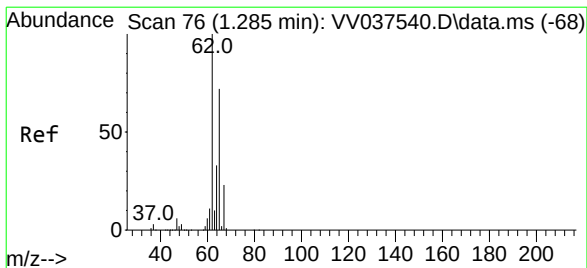
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
Data File : VV037558.D  
Acq On : 26 Sep 2024 19:00  
Operator : SY/MD  
Sample : P4184-07  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY035

Quant Time: Sep 27 00:54:48 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Sep 27 00:49:09 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.915 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV037558.D

Acq: 26 Sep 2024 19:00

Instrument :

MSVOA\_V

ClientSampleId :

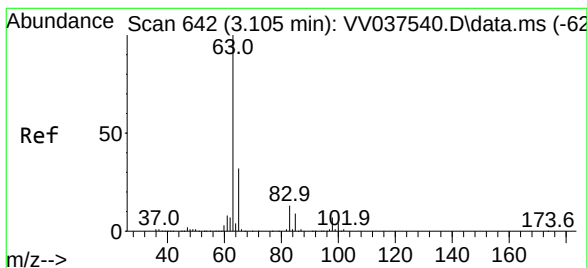
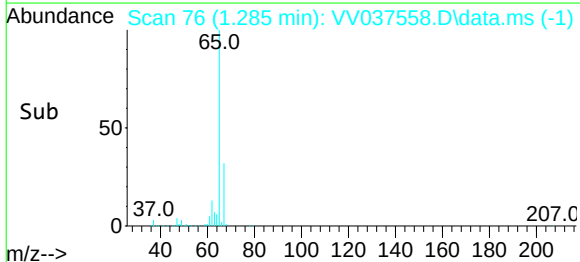
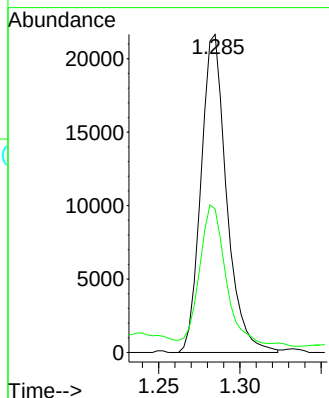
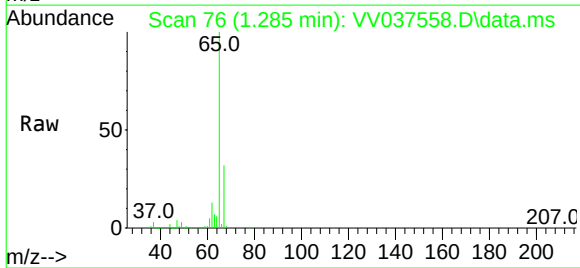
EY035

Tgt Ion: 62 Resp: 23712

Ion Ratio Lower Upper

62 100

64 45.1 23.2 43.0#



#19

1,1-Dichloroethane

Concen: 21.970 ug/L

RT: 3.105 min Scan# 642

Delta R.T. -0.000 min

Lab File: VV037558.D

Acq: 26 Sep 2024 19:00

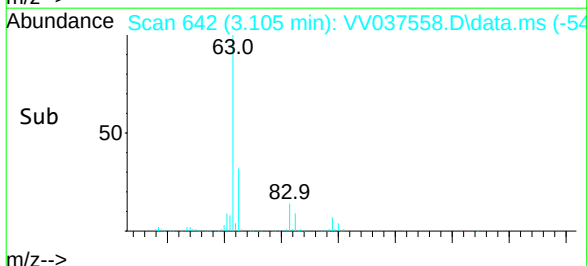
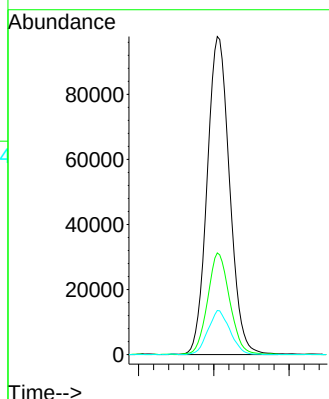
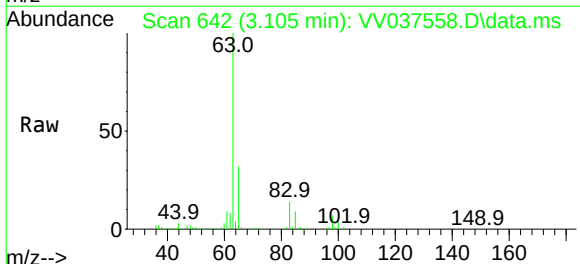
Tgt Ion: 63 Resp: 202662

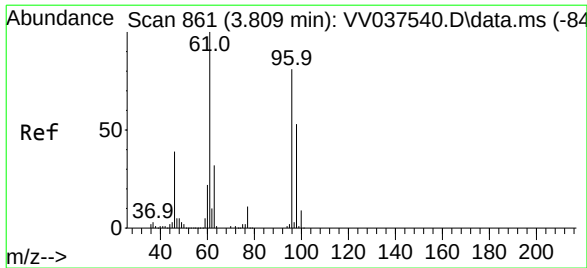
Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 13.9 9.5 17.7

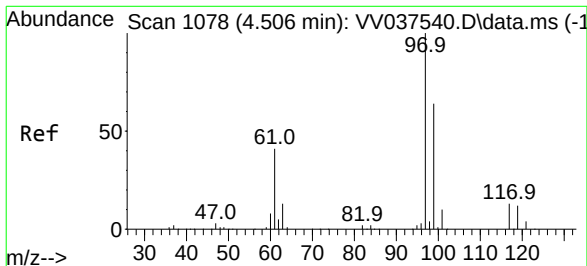
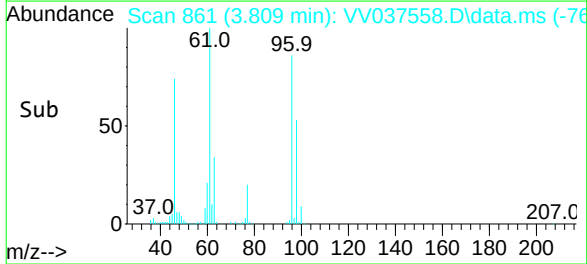
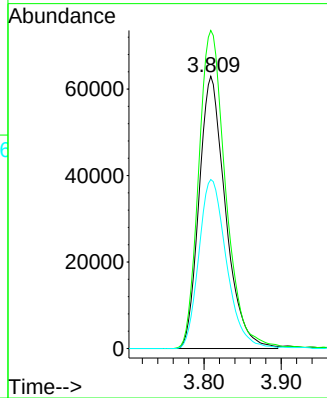
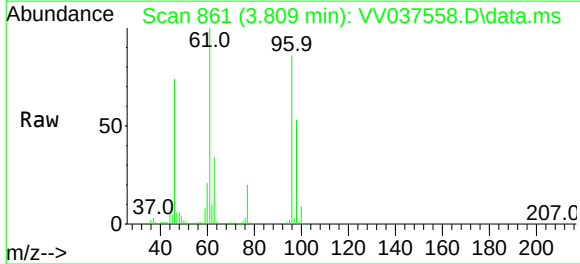




#20  
cis-1,2-Dichloroethene  
Concen: 27.809 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: VV037558.D  
Acq: 26 Sep 2024 19:00

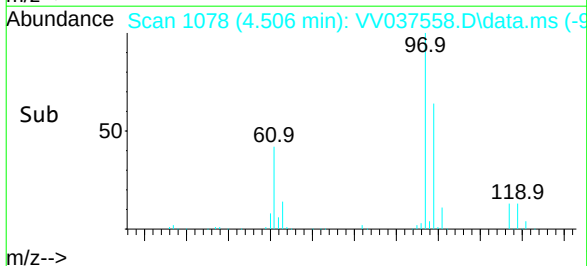
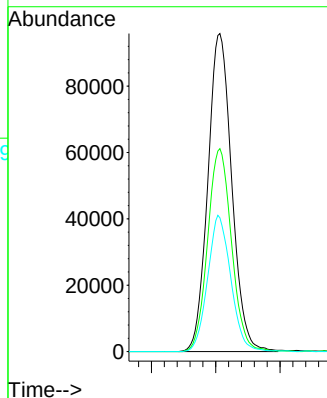
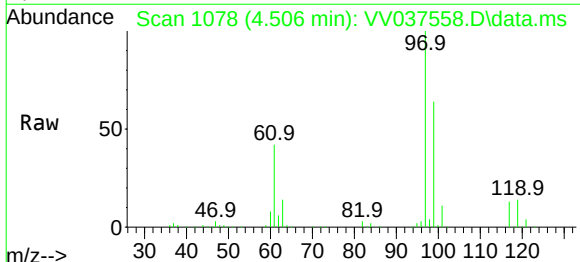
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY035

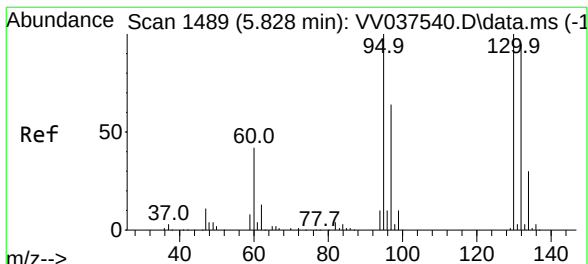
Tgt Ion: 96 Resp: 149827  
Ion Ratio Lower Upper  
96 100  
61 116.8 85.0 157.8  
98 62.1 44.2 82.0



#30  
1,1,1-Trichloroethane  
Concen: 30.564 ug/L  
RT: 4.506 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VV037558.D  
Acq: 26 Sep 2024 19:00

Tgt Ion: 97 Resp: 247719  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.8 77.6  
61 41.4 33.6 50.4

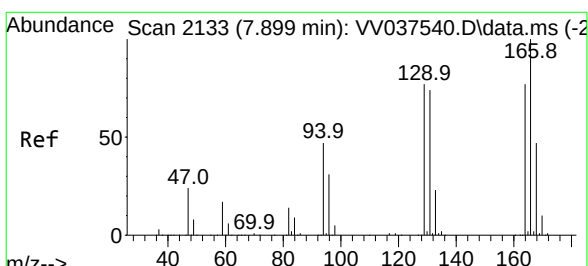
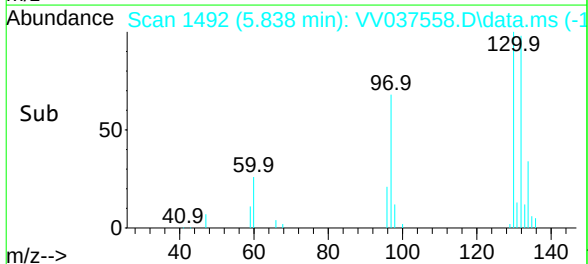
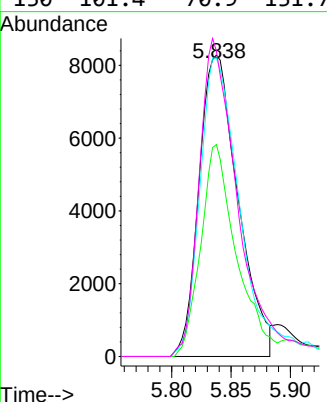
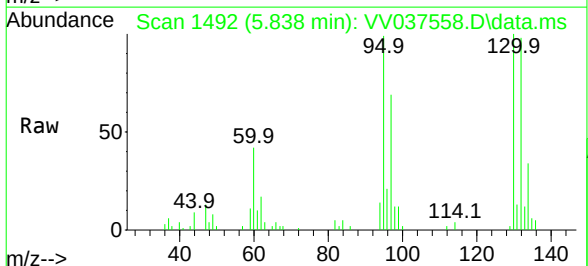




#34  
 Trichloroethene  
 Concen: 3.585 ug/L  
 RT: 5.838 min Scan# 1489  
 Delta R.T. 0.010 min  
 Lab File: VV037558.D  
 Acq: 26 Sep 2024 19:00

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY035

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 18946 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 70.3  | 46.3  | 85.9  |
| 132      | 99.1  | 68.6  | 127.4 |
| 130      | 101.4 | 70.9  | 131.7 |



#46  
 Tetrachloroethene  
 Concen: 10.831 ug/L  
 RT: 7.902 min Scan# 2134  
 Delta R.T. 0.003 min  
 Lab File: VV037558.D  
 Acq: 26 Sep 2024 19:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 43768 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 95.0  | 68.2  | 126.6 |
| 131      | 87.9  | 66.1  | 122.8 |
| 166      | 119.5 | 91.1  | 169.1 |

