

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092021\  
 Data File : VV022262.D  
 Acq On : 21 Sep 2021 03:27  
 Operator : SY/MD  
 Sample : M3778-10  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 21 06:25:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 21 06:08:34 2021  
 Response via : Initial Calibration

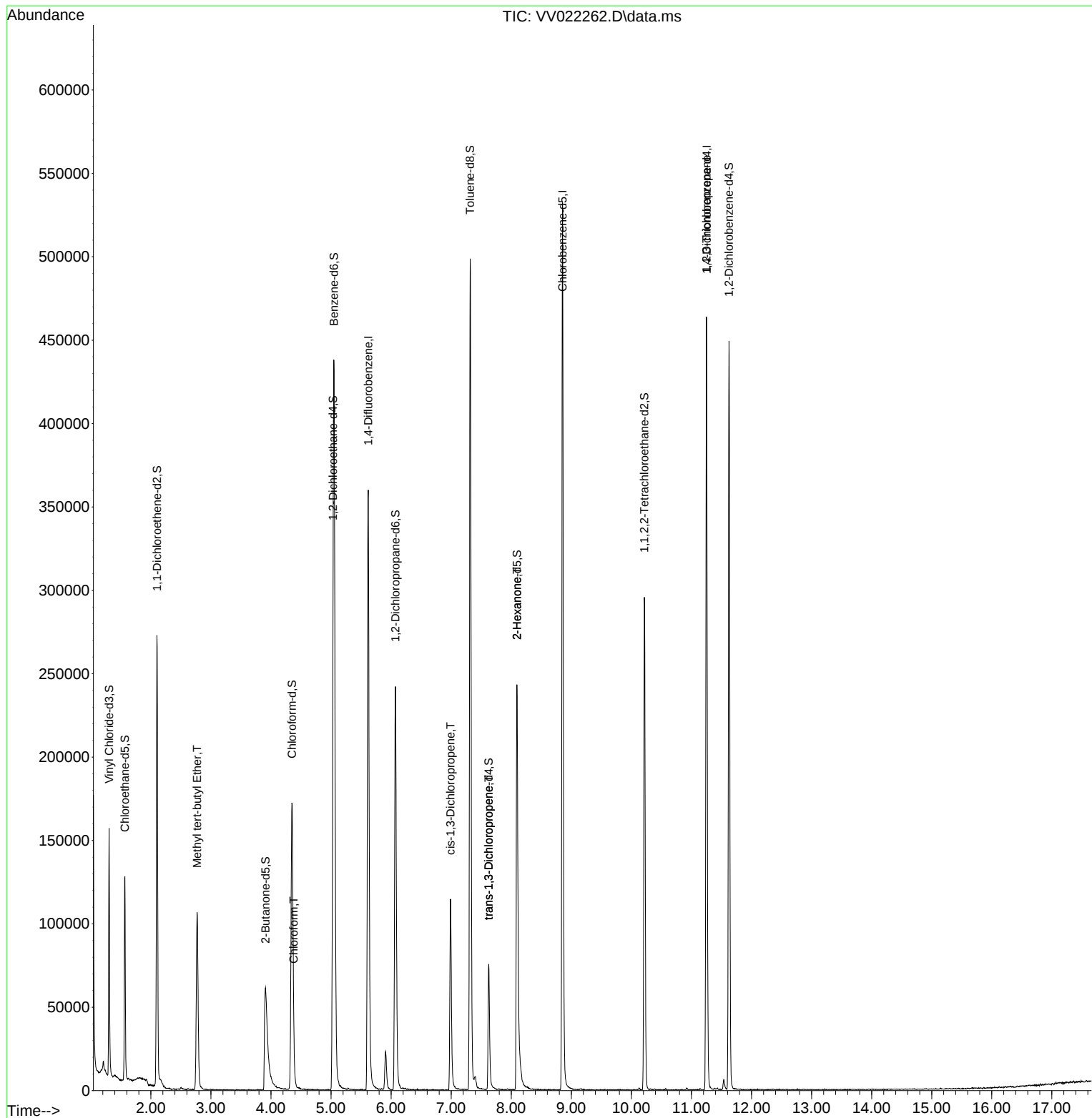
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 323423   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 299493   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 126518   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 96542    | 43.104   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 86.200%  |
| 7) Chloroethane-d5            | 1.568   | 69    | 79339    | 45.361   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 90.720%  |
| 11) 1,1-Dichloroethene-d2     | 2.101   | 63    | 140584   | 37.953   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 75.900%  |
| 21) 2-Butanone-d5             | 3.908   | 46    | 140295   | 91.335   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 91.330%  |
| 24) Chloroform-d              | 4.349   | 84    | 180453   | 44.186   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.380%  |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 116116   | 48.271   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.540%  |
| 32) Benzene-d6                | 5.050   | 84    | 382236   | 47.054   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.100%  |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 119984   | 46.967   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.940%  |
| 41) Toluene-d8                | 7.317   | 98    | 335062   | 43.695   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79    | 45201    | 37.174   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.340%  |
| 47) 2-Hexanone-d5             | 8.095   | 63    | 89144    | 90.943   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 90.940%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 142367   | 43.513   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 87.020%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 119264   | 47.951   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.900%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 18) Methyl tert-butyl Ether   | 2.770   | 73    | 111090   | 15.498   | ug/L   | 99       |
| 25) Chloroform                | 4.378   | 83    | 2090     | 0.491    | ug/L   | 86       |
| 39) cis-1,3-Dichloropropene   | 6.989   | 75    | 2843     | 0.815    | ug/L # | 56       |
| 44) trans-1,3-Dichloropropene | 7.625   | 75    | 1947     | 0.600    | ug/L   | 98       |
| 48) 2-Hexanone                | 8.095   | 43    | 10322    | 4.344    | ug/L # | 40       |
| 61) 1,2,3-Trichloropropane    | 11.249  | 75    | 13756    | 6.273    | ug/L # | 64       |
| -----                         |         |       |          |          |        |          |

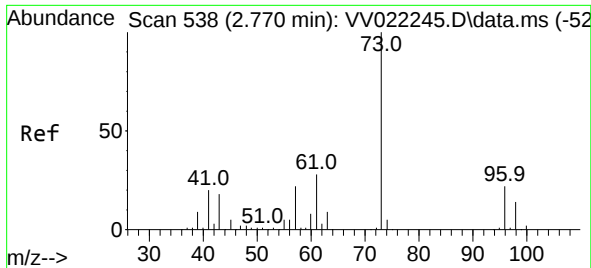
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampleId :

Quant Time: Sep 21 06:25:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 21 06:08:34 2021  
Response via : Initial Calibration

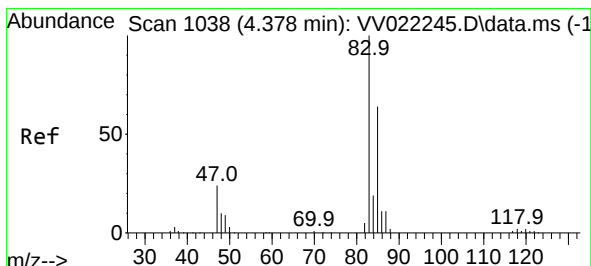
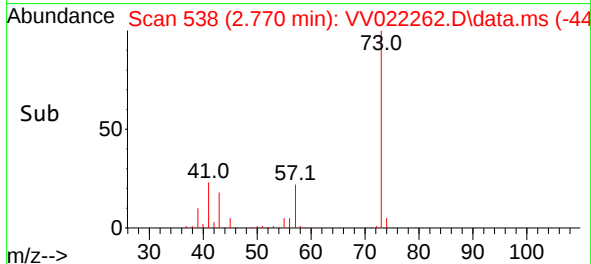
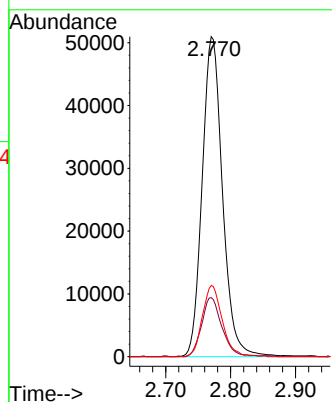
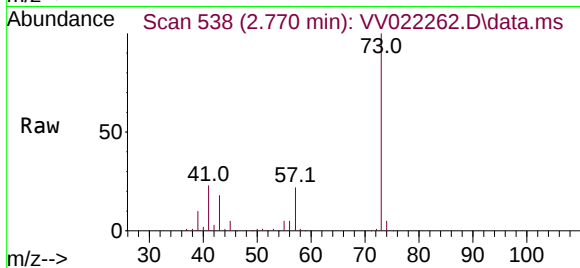




#18  
Methyl tert-butyl Ether  
Concen: 15.498 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.000 min  
Lab File: VV022262.D  
Acq: 21 Sep 2021 03:27

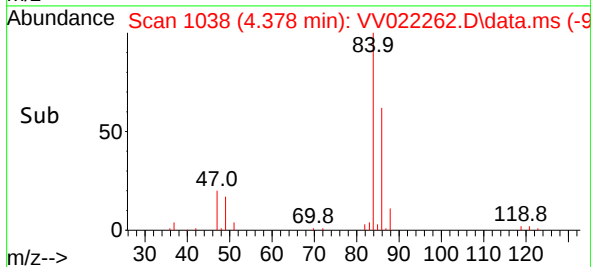
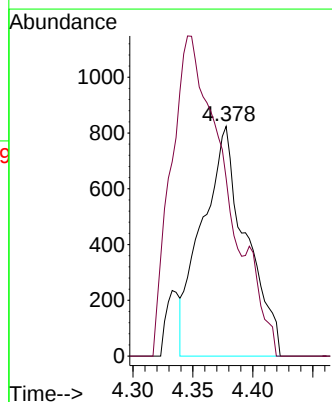
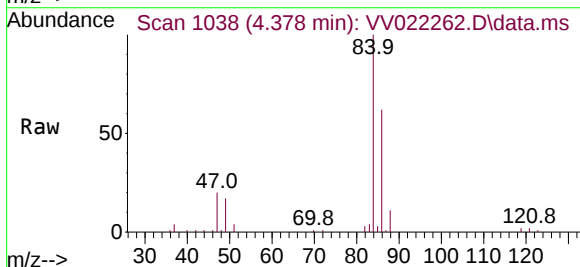
Instrument :  
MSVOA\_V  
ClientSampled :

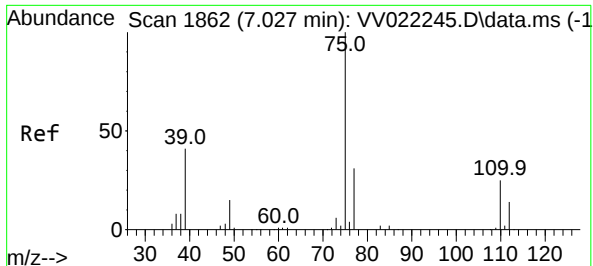
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 73    | Resp: | 111090 |
| Ion      | Ratio | Lower | Upper  |
| 73       | 100   |       |        |
| 43       | 18.5  | 13.8  | 20.6   |
| 57       | 21.5  | 17.1  | 25.7   |



#25  
Chloroform  
Concen: 0.491 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VV022262.D  
Acq: 21 Sep 2021 03:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2090  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 77.4  | 46.3  | 85.9  |



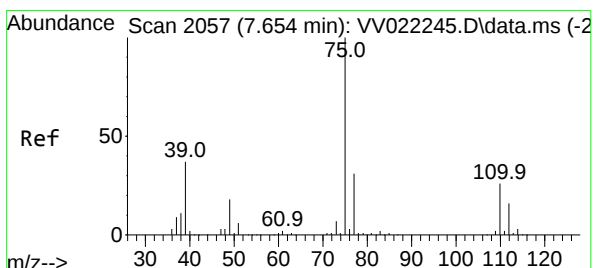
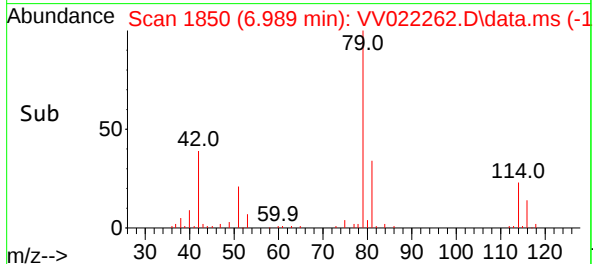
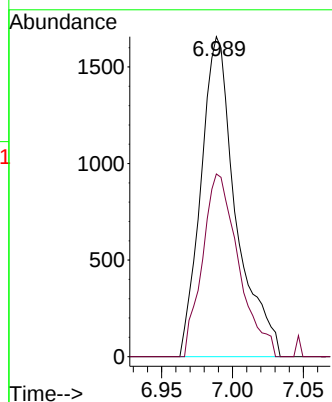
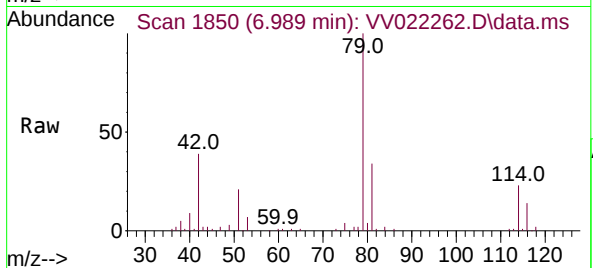


#39

cis-1,3-Dichloropropene  
Concen: 0.815 ug/L  
RT: 6.989 min Scan# 1850  
Delta R.T. -0.039 min  
Lab File: VV022262.D  
Acq: 21 Sep 2021 03:27

Instrument :  
MSVOA\_V  
ClientSampled :

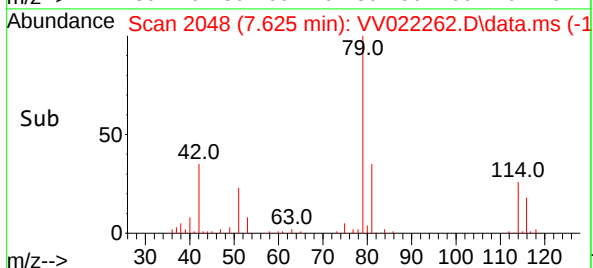
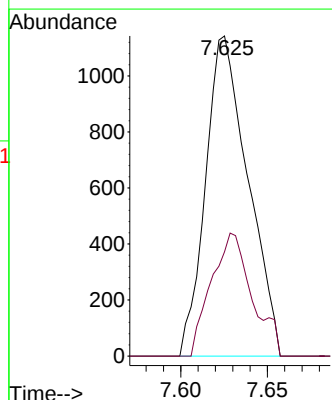
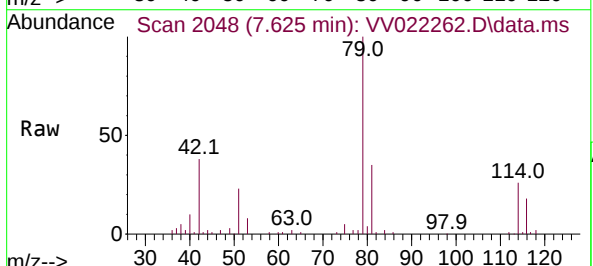
Tgt Ion: 75 Resp: 2843  
Ion Ratio Lower Upper  
75 100  
77 57.1 22.7 42.1#

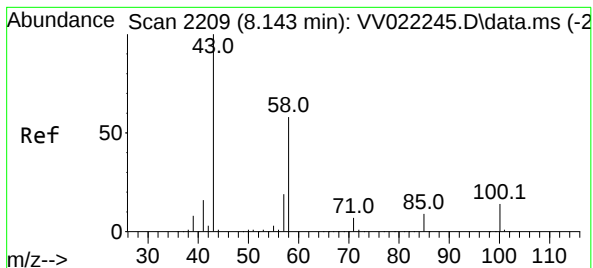


#44

trans-1,3-Dichloropropene  
Concen: 0.600 ug/L  
RT: 7.625 min Scan# 2048  
Delta R.T. -0.029 min  
Lab File: VV022262.D  
Acq: 21 Sep 2021 03:27

Tgt Ion: 75 Resp: 1947  
Ion Ratio Lower Upper  
75 100  
77 32.5 21.8 40.6





#48

2-Hexanone

Concen: 4.344 ug/L

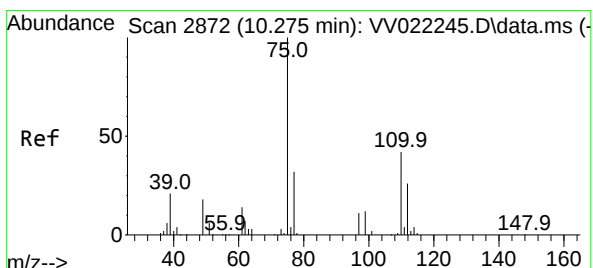
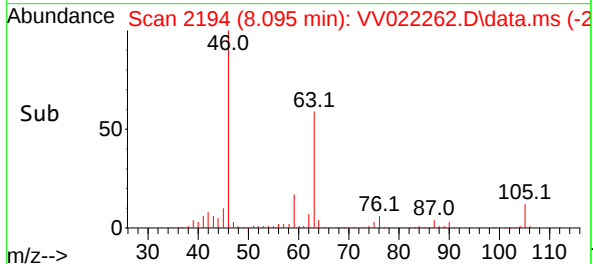
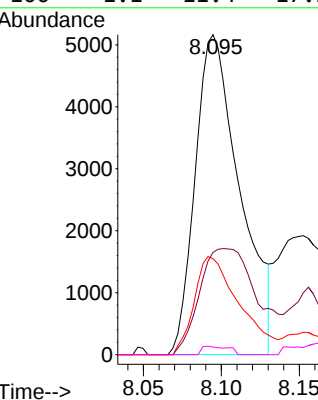
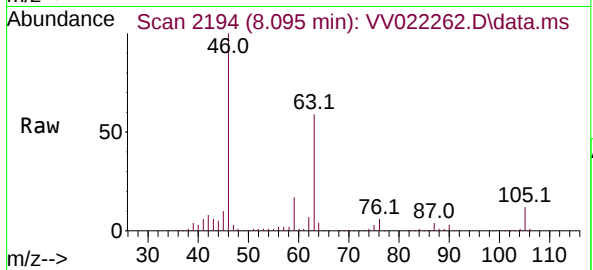
RT: 8.095 min Scan# 2194

Delta R.T. -0.048 min

Lab File: VV022262.D

Acq: 21 Sep 2021 03:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10322 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 47.5  | 71.3# |
| 57       | 31.1  | 15.9  | 23.9# |
| 100      | 1.1   | 11.4  | 17.2# |



#61

1,2,3-Trichloropropane

Concen: 6.273 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022262.D

Acq: 21 Sep 2021 03:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13756 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.2  | 26.2  | 39.2  |
| 110      | 2.6   | 33.8  | 50.6# |

