

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092722\  
 Data File : VU050965.D  
 Acq On : 27 Sep 2022 18:29  
 Operator : JC/MD  
 Sample : N4854-11  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

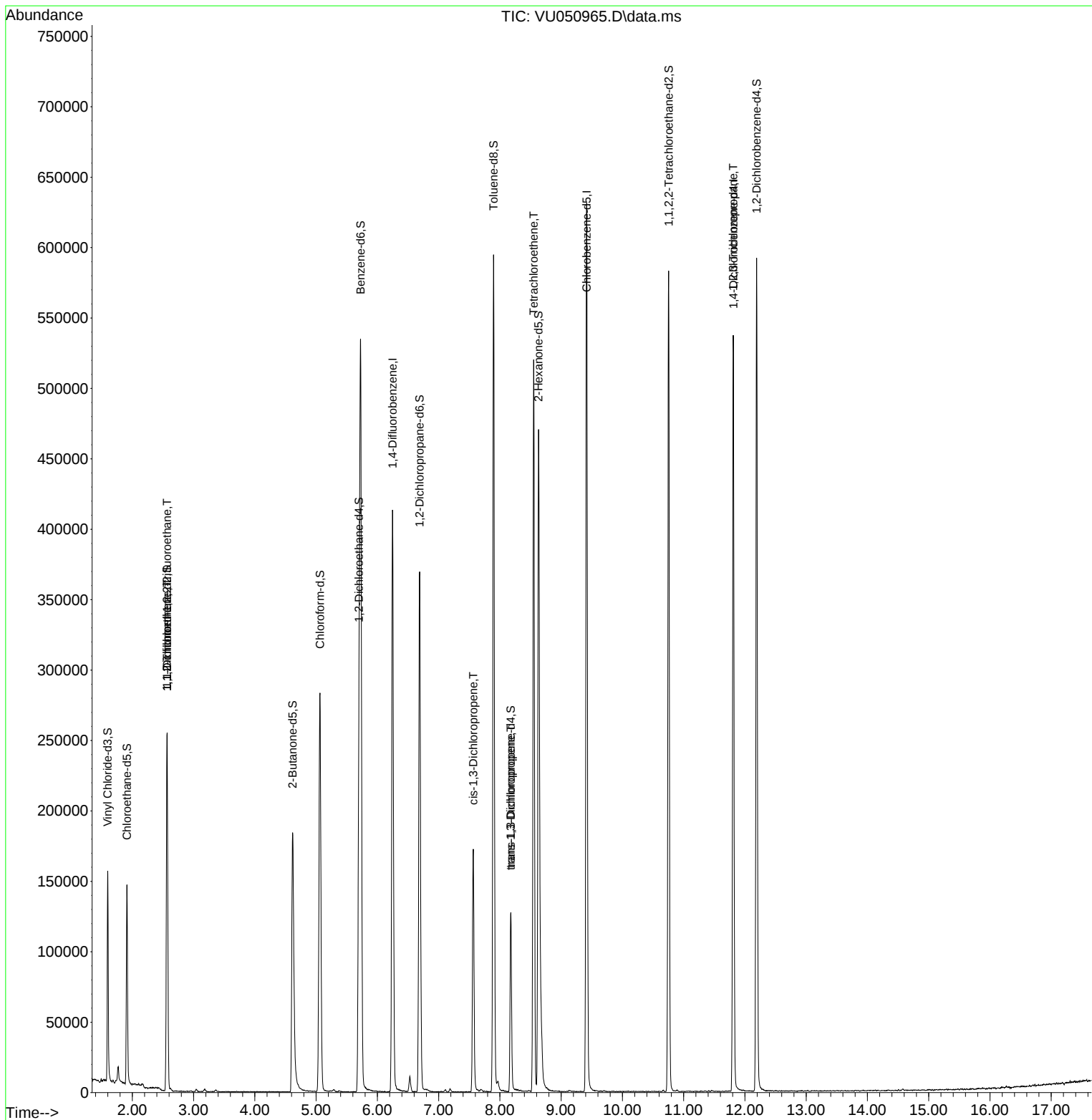
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5J49

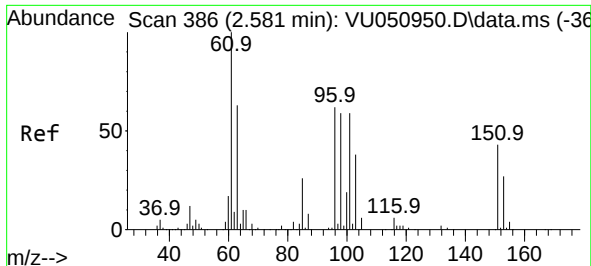
Quant Time: Sep 28 02:04:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 28 01:59:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 329302   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 354017   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 140086   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 109980   | 32.235   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 64.480%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 104562   | 43.032   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 86.060%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 147712   | 27.824   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 55.640%# |
| 21) 2-Butanone-d5             | 4.616   | 46    | 259435   | 117.783  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 117.780% |
| 24) Chloroform-d              | 5.063   | 84    | 264392   | 49.449   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.900%  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 176350   | 53.520   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.040% |
| 32) Benzene-d6                | 5.726   | 84    | 492232   | 42.213   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.420%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 178181   | 45.270   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.540%  |
| 41) Toluene-d8                | 7.896   | 98    | 395948   | 38.846   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 77.700%# |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 70148    | 40.968   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.940%  |
| 47) 2-Hexanone-d5             | 8.629   | 63    | 140708   | 86.749   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 86.750%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755  | 84    | 297097   | 49.510   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 99.020%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 154344   | 52.622   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.240% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565   | 101   | 1440     | 0.534    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.568   | 96    | 1022     | 0.404    | ug/L # | 1        |
| 39) cis-1,3-Dichloropropene   | 7.565   | 75    | 4134     | 0.867    | ug/L # | 56       |
| 44) trans-1,3-Dichloropropene | 8.176   | 75    | 3159     | 0.696    | ug/L # | 58       |
| 46) Tetrachloroethene         | 8.552   | 164   | 112642   | 51.795   | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 11.809  | 75    | 17747    | 4.504    | ug/L # | 69       |
| -----                         |         |       |          |          |        |          |

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

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Quant Title : VOC Analysis  
QLast Update : Wed Sep 28 01:59:42 2022  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.534 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.016 min

Lab File: VU050965.D

Acq: 27 Sep 2022 18:29

Instrument :

MSVOA\_U

ClientSampleId :

F5J49

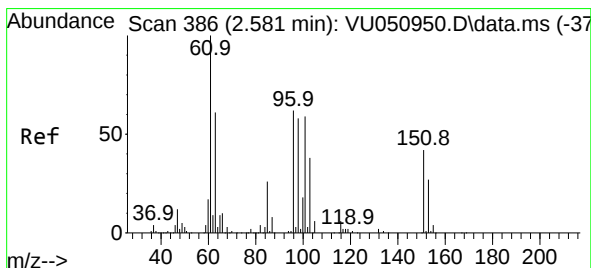
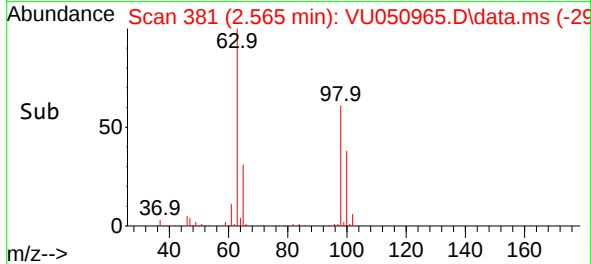
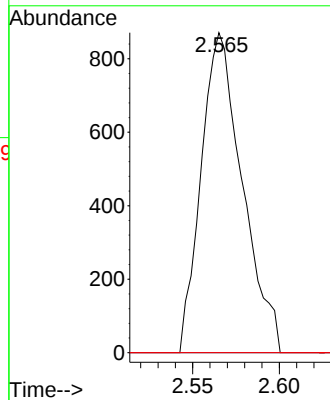
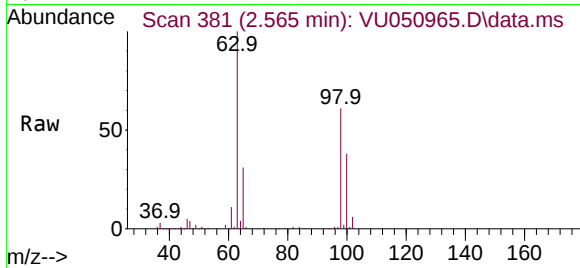
Tgt Ion:101 Resp: 1440

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 0.404 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.013 min

Lab File: VU050965.D

Acq: 27 Sep 2022 18:29

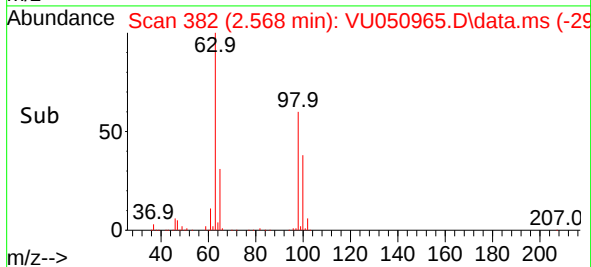
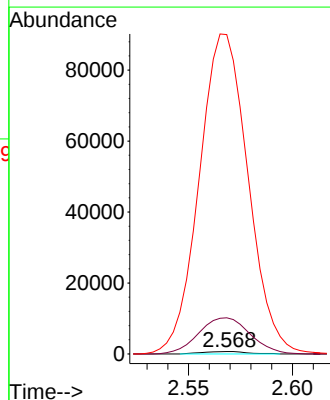
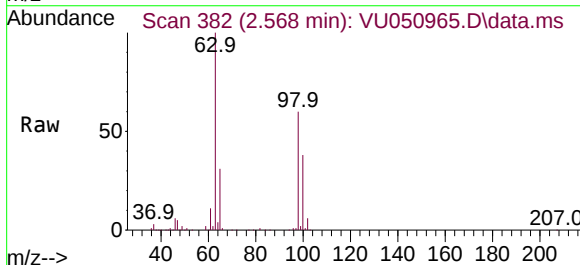
Tgt Ion: 96 Resp: 1022

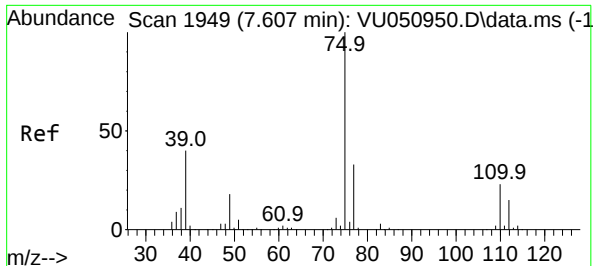
Ion Ratio Lower Upper

96 100

61 1464.0 118.6 220.2#

63 12911.3 90.4 168.0#





#39

cis-1,3-Dichloropropene

Concen: 0.867 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050965.D

Acq: 27 Sep 2022 18:29

Instrument :

MSVOA\_U

ClientSampleId :

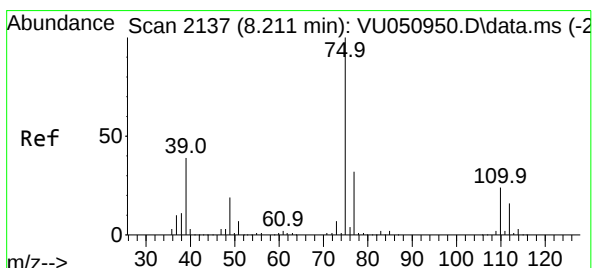
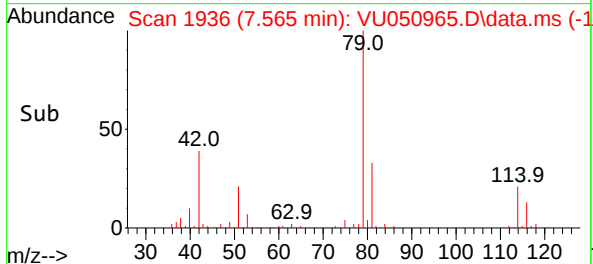
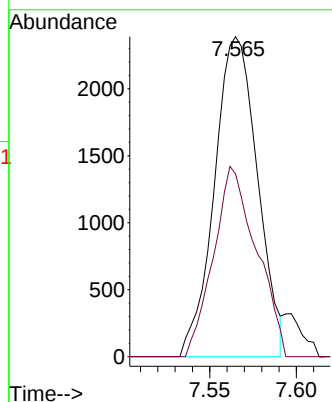
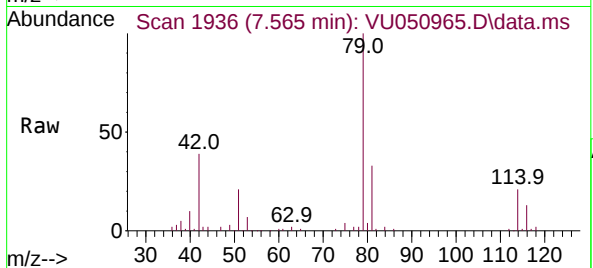
F5J49

Tgt Ion: 75 Resp: 4134

Ion Ratio Lower Upper

75 100

77 57.2 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.696 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.035 min

Lab File: VU050965.D

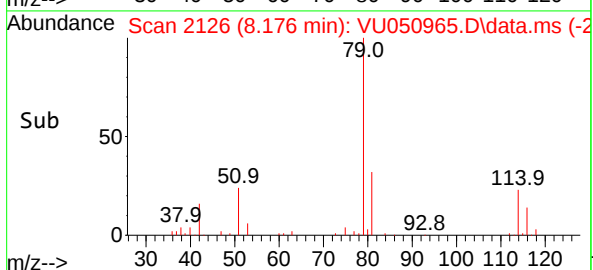
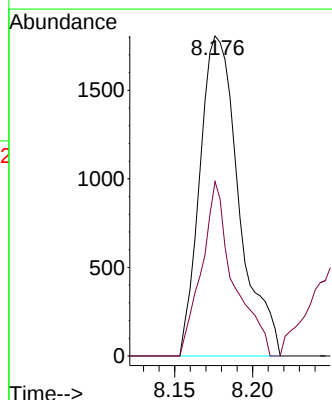
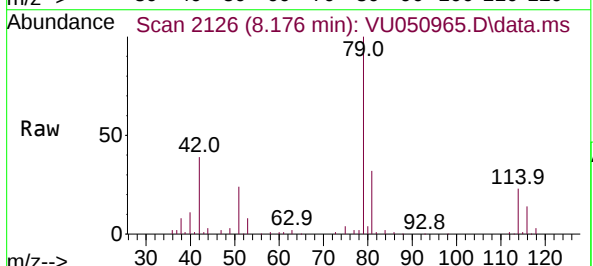
Acq: 27 Sep 2022 18:29

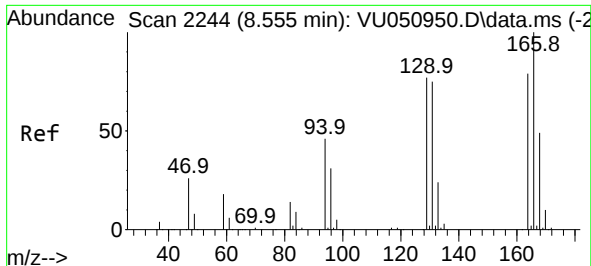
Tgt Ion: 75 Resp: 3159

Ion Ratio Lower Upper

75 100

77 54.5 21.9 40.7#



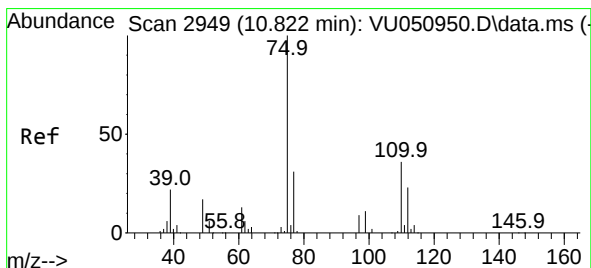
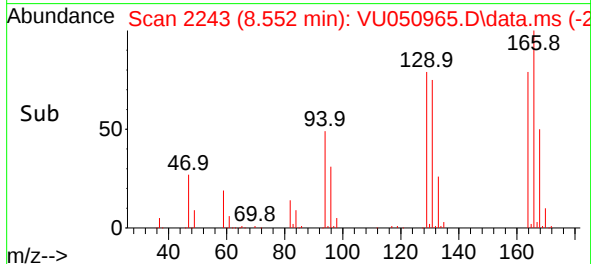
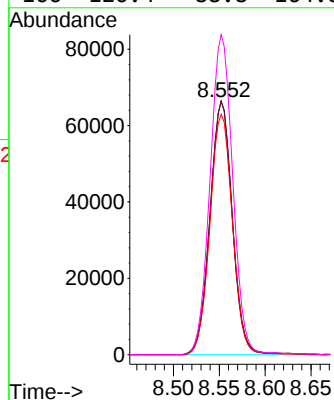
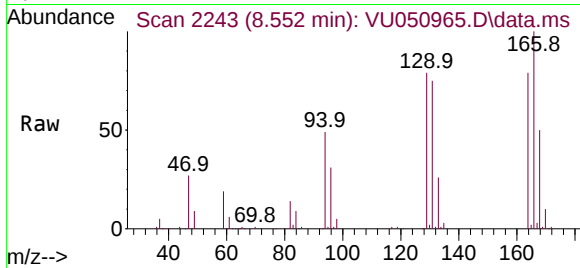


#46  
Tetrachloroethene  
Concen: 51.795 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU050965.D  
Acq: 27 Sep 2022 18:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
F5J49

Tgt Ion:164 Resp: 112642

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.2 | 68.5  | 127.3 |
| 131 | 94.8  | 66.1  | 122.7 |
| 166 | 126.4 | 88.8  | 164.8 |



#60  
1,2,3-Trichloropropane  
Concen: 4.504 ug/L  
RT: 11.809 min Scan# 3256  
Delta R.T. 0.987 min  
Lab File: VU050965.D  
Acq: 27 Sep 2022 18:29

Tgt Ion: 75 Resp: 17747

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 34.3  | 26.2  | 39.4  |
| 110 | 2.0   | 28.6  | 43.0  |

