

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071822\  
 Data File : VU049763.D  
 Acq On : 18 Jul 2022 16:03  
 Operator : SY/MD  
 Sample : N3743-21  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 19 02:11:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 19 02:09:49 2022  
 Response via : Initial Calibration

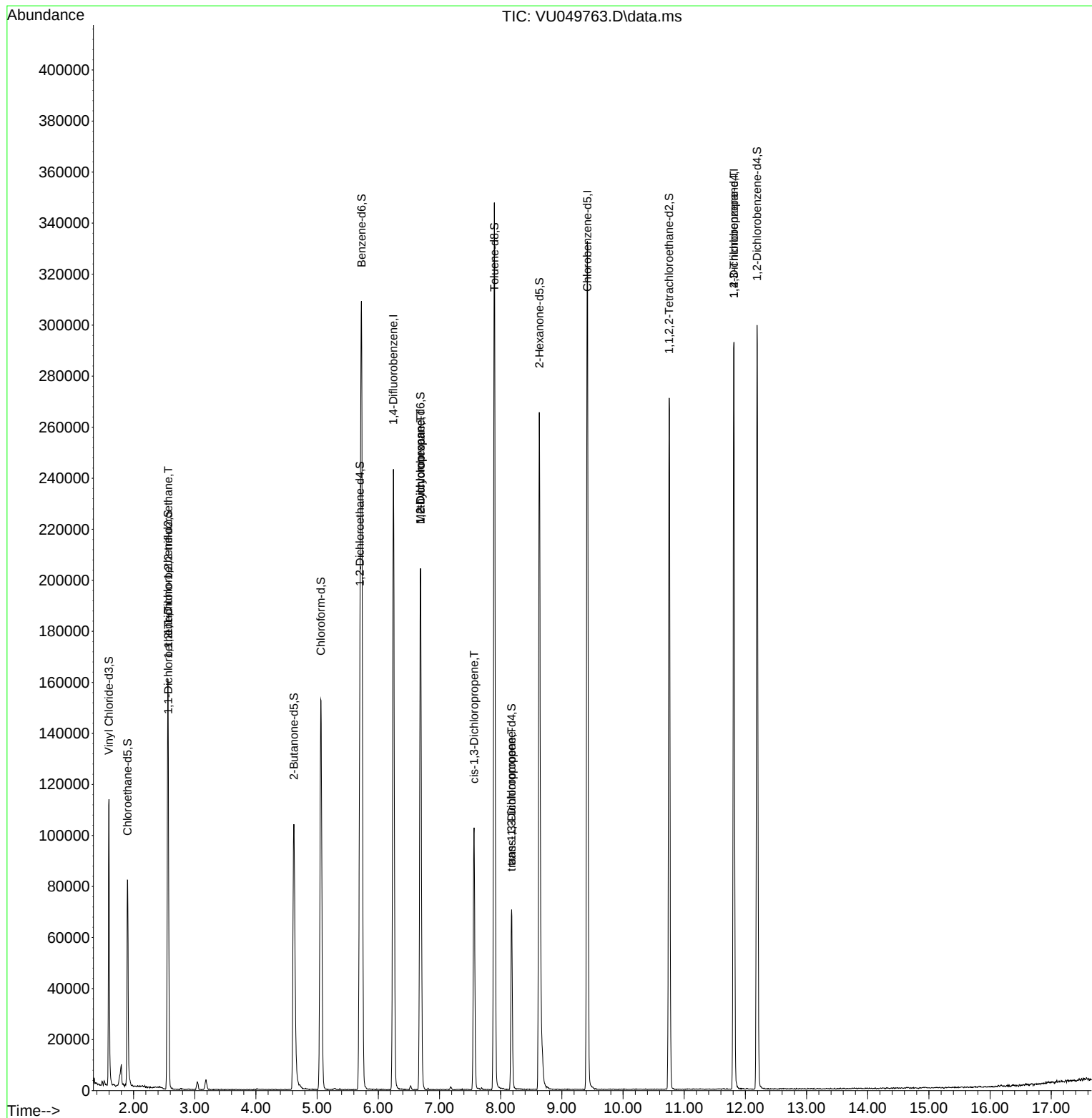
| Compound                      | R.T. QIon |       | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|-----------|-------|----------|---------|----------|----------|
| -----                         |           |       |          |         |          |          |
| Internal Standards            |           |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.247     | 114   | 184460   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117   | 175227   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152   | 73720    | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |           |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.597     | 65    | 79996    | 51.399  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | =       | 102.800% |          |
| 7) Chloroethane-d5            | 1.900     | 69    | 59641    | 53.014  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | =       | 106.020% |          |
| 11) 1,1-Dichloroethene-d2     | 2.562     | 63    | 95740    | 34.825  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 69.660%  |          |
| 21) 2-Butanone-d5             | 4.620     | 46    | 151517   | 114.041 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | =       | 114.040% |          |
| 24) Chloroform-d              | 5.060     | 84    | 140779   | 51.070  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 102.140% |          |
| 26) 1,2-Dichloroethane-d4     | 5.700     | 65    | 101597   | 54.456  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 108.920% |          |
| 32) Benzene-d6                | 5.726     | 84    | 270949   | 50.898  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 101.800% |          |
| 36) 1,2-Dichloropropane-d6    | 6.690     | 67    | 93943    | 52.466  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | =       | 104.940% |          |
| 41) Toluene-d8                | 7.896     | 98    | 221581   | 47.797  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 95.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79    | 38497    | 51.030  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 102.060% |          |
| 47) 2-Hexanone-d5             | 8.632     | 63    | 80992    | 100.557 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | =       | 100.560% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755    | 84    | 130613   | 52.133  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | =       | 104.260% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192    | 152   | 72363    | 52.062  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 104.120% |          |
| Target Compounds              |           |       |          |         |          |          |
|                               |           |       |          |         | Qvalue   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565     | 101   | 896      | 0.631   | ug/L #   | 20       |
| 12) 1,1-Dichloroethene        | 2.568     | 96    | 571      | 0.433   | ug/L #   | 1        |
| 35) Methylcyclohexane         | 6.690     | 83    | 21410    | 8.558   | ug/L #   | 17       |
| 37) 1,2-Dichloropropane       | 6.690     | 63    | 11129    | 6.096   | ug/L #   | 89       |
| 39) cis-1,3-Dichloropropene   | 7.565     | 75    | 2787     | 1.132   | ug/L #   | 76       |
| 44) trans-1,3-Dichloropropene | 8.176     | 75    | 1783     | 0.771   | ug/L #   | 72       |
| 60) 1,2,3-Trichloropropane    | 11.812    | 75    | 9895     | 5.039   | ug/L #   | 68       |
| -----                         |           |       |          |         |          |          |

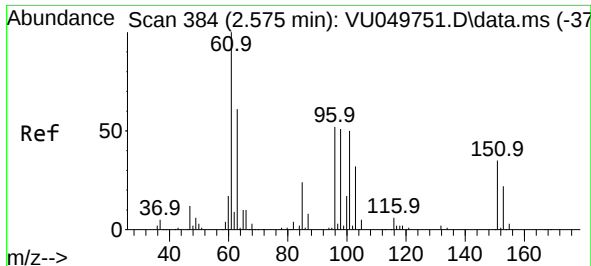
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Jul 19 02:09:49 2022  
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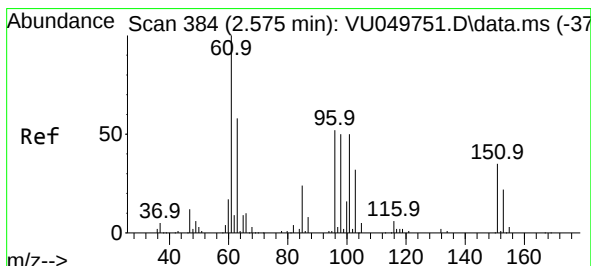
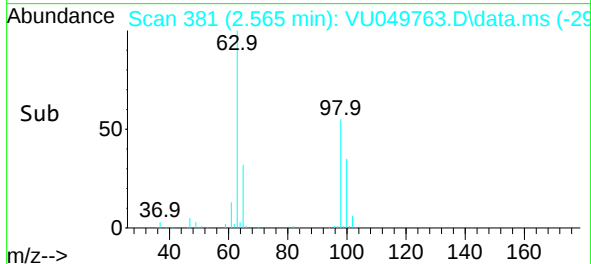
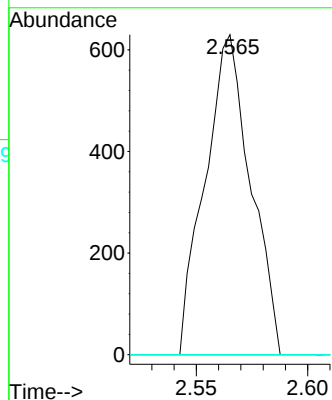
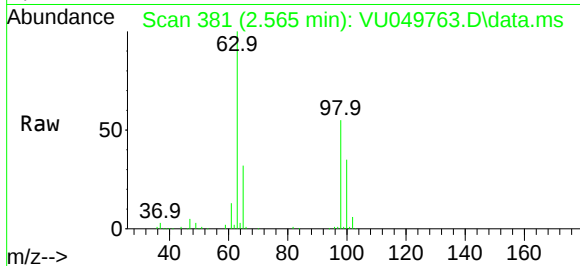




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.631 ug/L  
 RT: 2.565 min Scan# 31  
 Delta R.T. -0.010 min  
 Lab File: VU049763.D  
 Acq: 18 Jul 2022 16:03

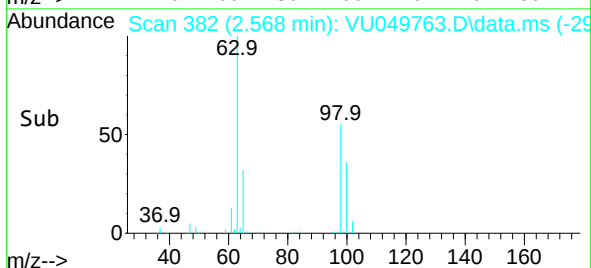
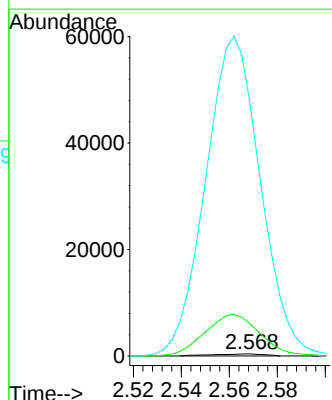
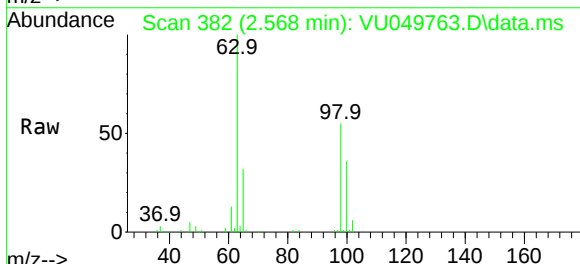
Instrument :  
 MSVOA\_U  
 ClientSampleId :

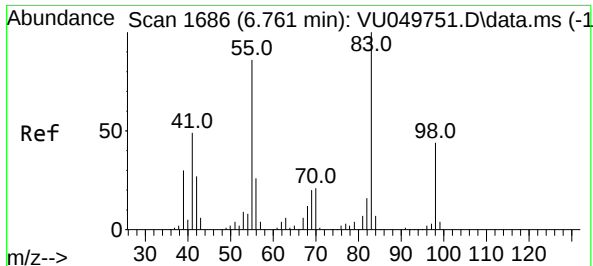
Tgt Ion:101 Resp: 896  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 37.3 55.9#  
 151 0.0 56.9 85.3#



#12  
 1,1-Dichloroethene  
 Concen: 0.433 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.006 min  
 Lab File: VU049763.D  
 Acq: 18 Jul 2022 16:03

Tgt Ion: 96 Resp: 571  
 Ion Ratio Lower Upper  
 96 100  
 61 1606.0 129.6 240.6#  
 63 12690.8 79.0 146.6#





#35

Methylcyclohexane

Concen: 8.558 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU049763.D

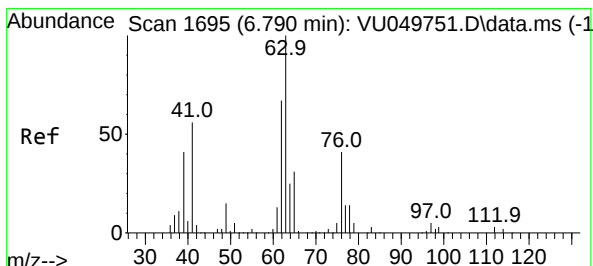
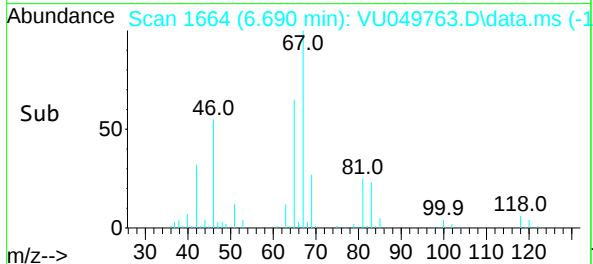
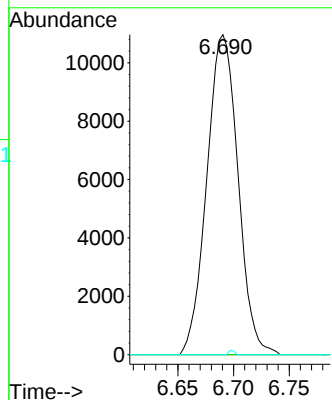
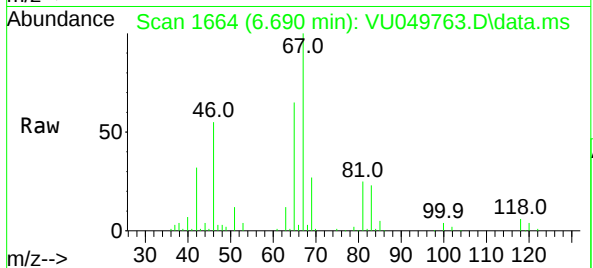
Acq: 18 Jul 2022 16:03

Instrument :

MSVOA\_U

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 21410 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.0      | 66.0 99.0#  |
| 98 0.2      | 34.6 51.8#  |



#37

1,2-Dichloropropane

Concen: 6.096 ug/L

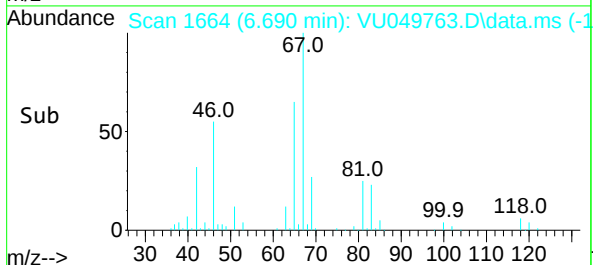
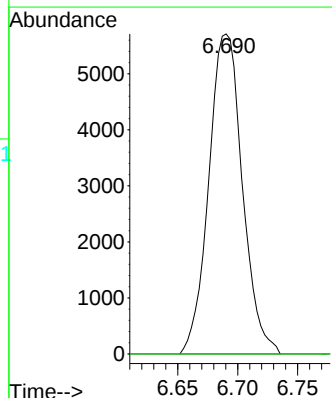
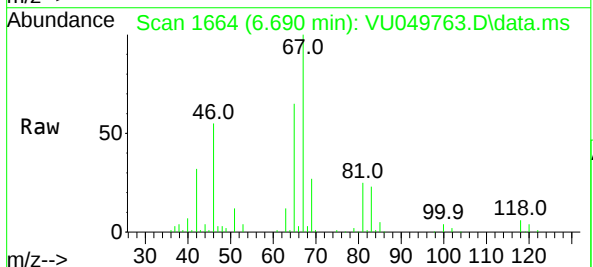
RT: 6.690 min Scan# 1664

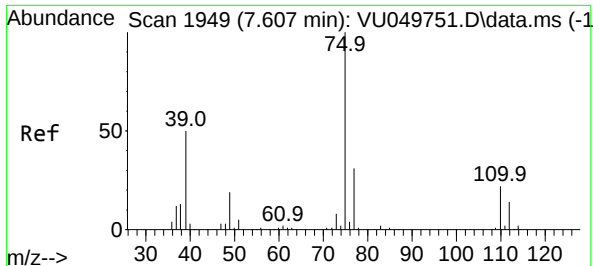
Delta R.T. -0.100 min

Lab File: VU049763.D

Acq: 18 Jul 2022 16:03

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 11129 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.0     | 2.8 4.2#    |





#39

cis-1,3-Dichloropropene

Concen: 1.132 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU049763.D

Acq: 18 Jul 2022 16:03

Instrument :

MSVOA\_U

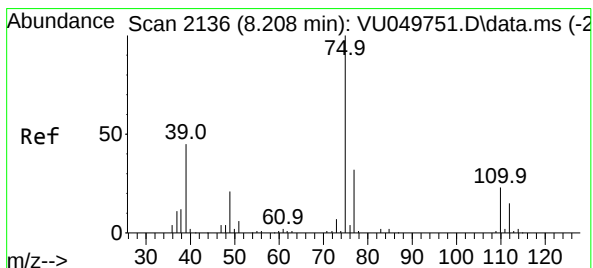
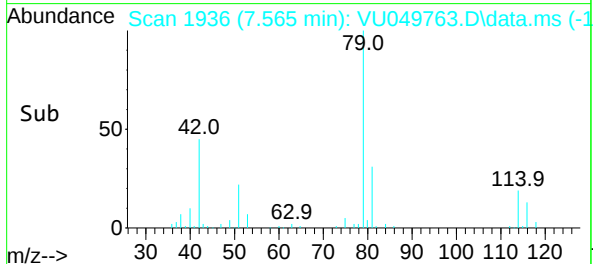
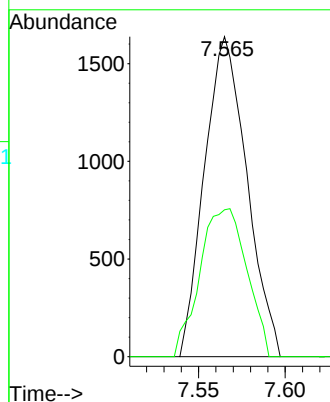
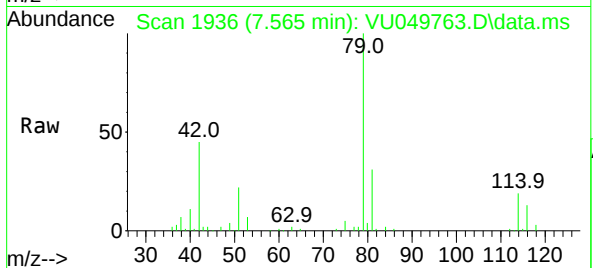
ClientSampleId :

Tgt Ion: 75 Resp: 2787

Ion Ratio Lower Upper

75 100

77 45.9 22.6 42.0#



#44

trans-1,3-Dichloropropene

Concen: 0.771 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.032 min

Lab File: VU049763.D

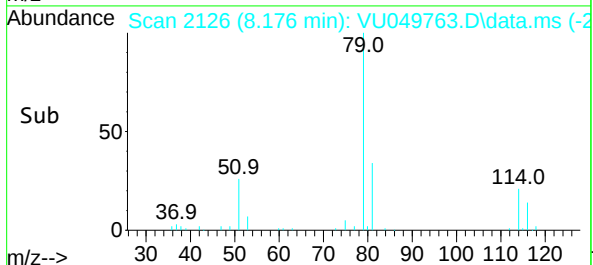
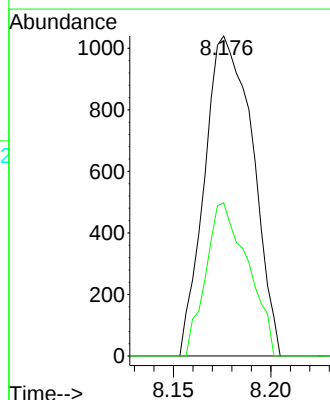
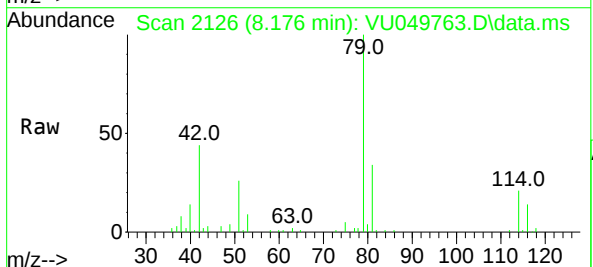
Acq: 18 Jul 2022 16:03

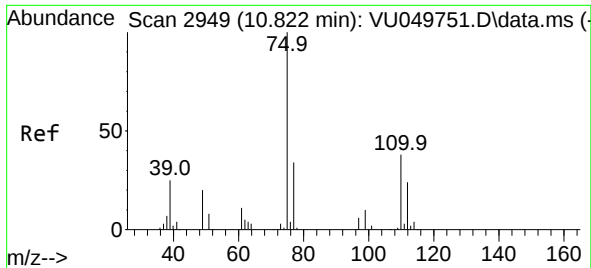
Tgt Ion: 75 Resp: 1783

Ion Ratio Lower Upper

75 100

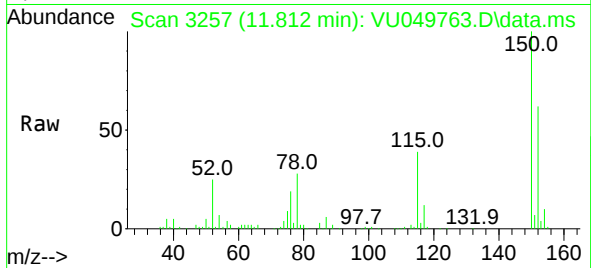
77 47.9 22.5 41.9#





#60  
 1,2,3-Trichloropropane  
 Concen: 5.039 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU049763.D  
 Acq: 18 Jul 2022 16:03

Instrument :  
 MSVOA\_U  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 34.6  | 25.5  | 38.3  |
| 110     | 2.8   | 28.9  | 43.3# |

