

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100421\  
 Data File : VU045093.D  
 Acq On : 04 Oct 2021 14:02  
 Operator : SY/MD  
 Sample : M3996-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4A12

Quant Time: Oct 05 02:44:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 05 02:41:56 2021  
 Response via : Initial Calibration

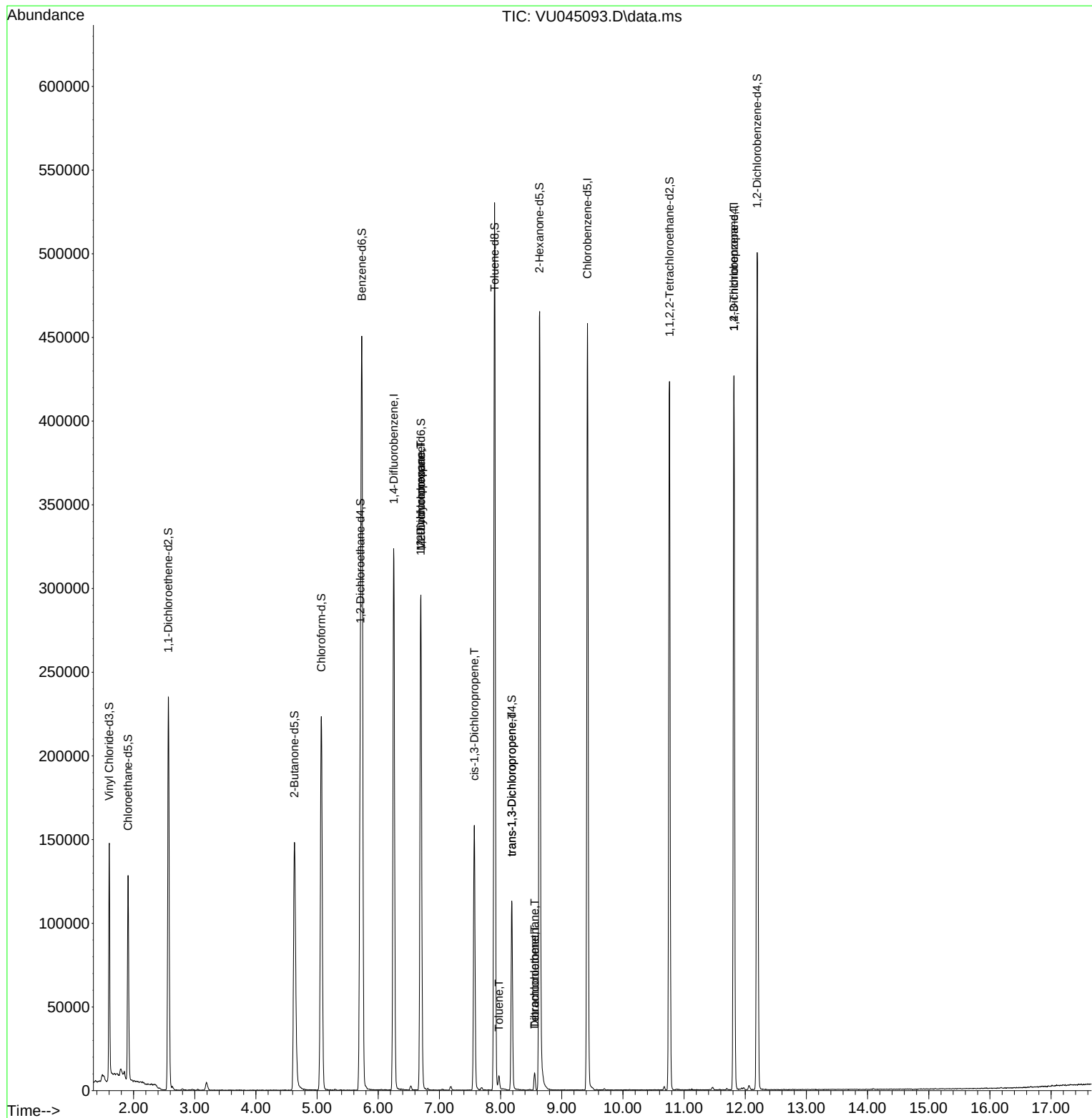
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 250905     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 236908     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815         | 152  | 105307     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 98537      | 35.875   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 71.740%  |        |          |
| 7) Chloroethane-d5            | 1.909          | 69   | 91896      | 42.221   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 84.440%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.568          | 63   | 141170     | 30.605   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 61.220%  |        |          |
| 21) 2-Butanone-d5             | 4.629          | 46   | 222819     | 102.613  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 102.610% |        |          |
| 24) Chloroform-d              | 5.070          | 84   | 202280     | 46.629   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.260%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.706          | 65   | 145284     | 49.442   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.880%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 401922     | 48.892   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.780%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.697          | 67   | 135111     | 50.406   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 100.820% |        |          |
| 41) Toluene-d8                | 7.902          | 98   | 336788     | 47.473   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.940%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 60276      | 50.552   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 101.100% |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 163340     | 109.961  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 109.960% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761         | 84   | 207756     | 49.774   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 99.540%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 123095     | 53.712   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 107.420% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 35) Methylcyclohexane         | 6.697          | 83   | 32094      | 9.083    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 6.693          | 63   | 14971      | 6.258    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.571          | 75   | 3919       | 1.145    | ug/L # | 75       |
| 42) Toluene                   | 7.973          | 91   | 5424       | 0.608    | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 2694       | 0.828    | ug/L # | 73       |
| 46) Tetrachloroethene         | 8.555          | 164  | 2220       | 1.472    | ug/L   | 92       |
| 49) Dibromochloromethane      | 8.555          | 129  | 2112       | 0.985    | ug/L # | 11       |
| 60) 1,2,3-Trichloropropane    | 11.815         | 75   | 14588      | 5.009    | ug/L # | 68       |
| -----                         |                |      |            |          |        |          |

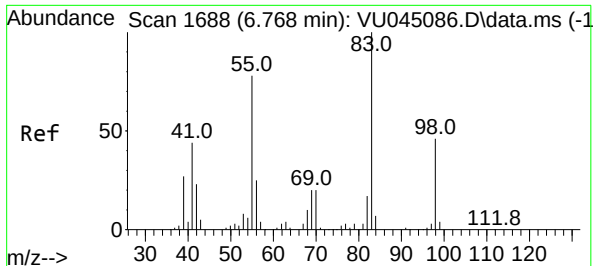
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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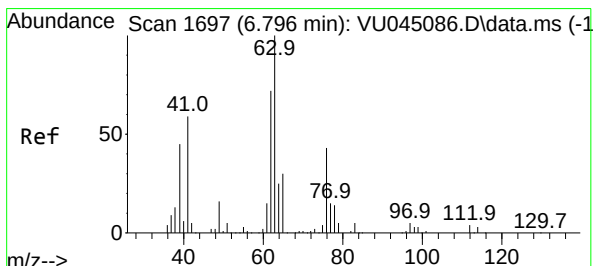
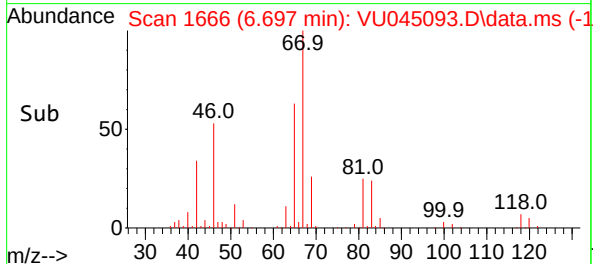
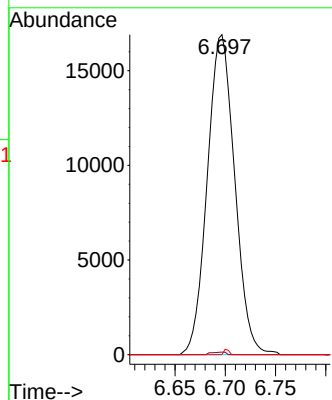
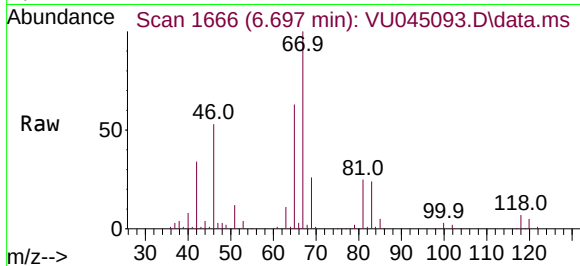




#35  
Methylcyclohexane  
Concen: 9.083 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.071 min  
Lab File: VU045093.D  
Acq: 04 Oct 2021 14:02

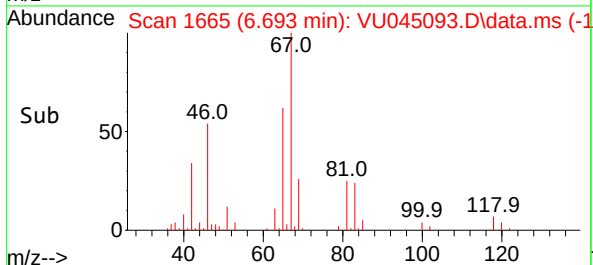
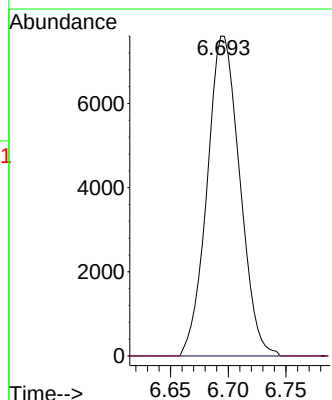
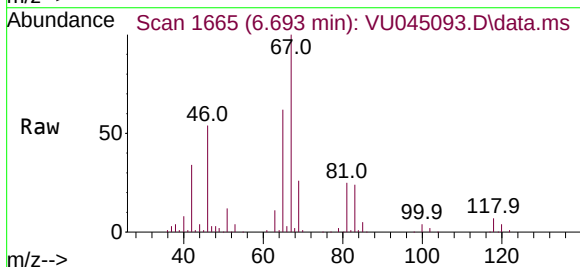
Instrument :  
MSVOA\_U  
ClientSampleId :  
F4A12

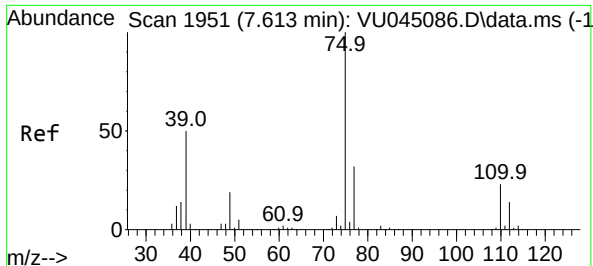
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.2   | 65.8  | 98.6# |
| 98      | 0.3   | 37.1  | 55.7# |



#37  
1,2-Dichloropropane  
Concen: 6.258 ug/L  
RT: 6.693 min Scan# 1665  
Delta R.T. -0.103 min  
Lab File: VU045093.D  
Acq: 04 Oct 2021 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.0   | 3.2   | 4.8#  |



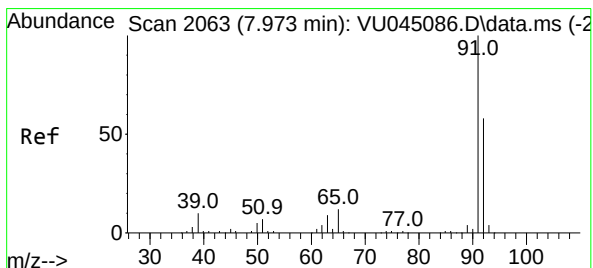
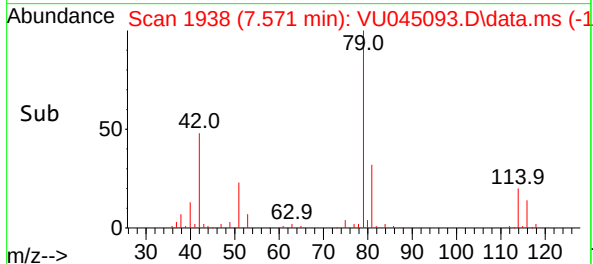
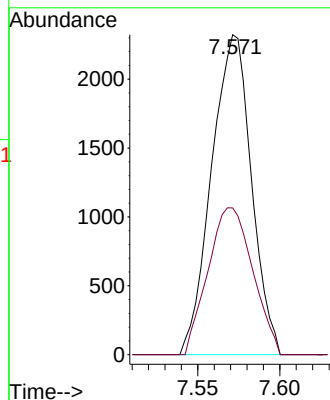
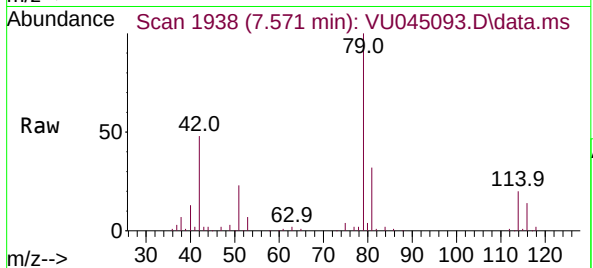


#39

cis-1,3-Dichloropropene  
 Concen: 1.145 ug/L  
 RT: 7.571 min Scan# 1938  
 Delta R.T. -0.042 min  
 Lab File: VU045093.D  
 Acq: 04 Oct 2021 14:02

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 F4A12

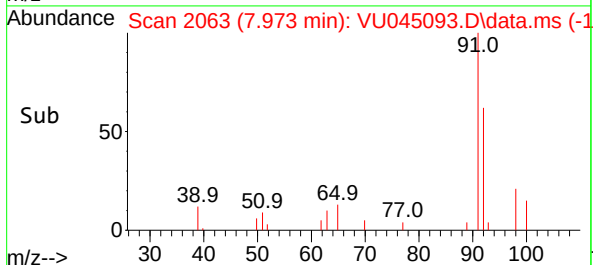
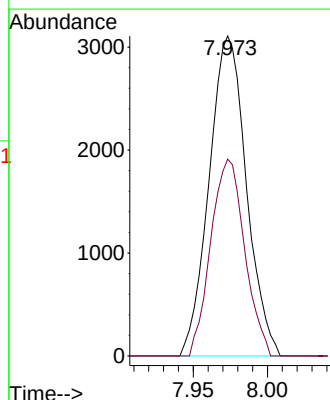
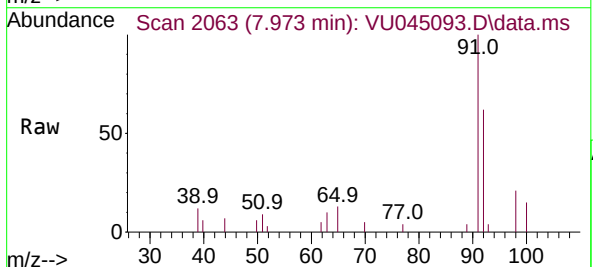
Tgt Ion: 75 Resp: 3919  
 Ion Ratio Lower Upper  
 75 100  
 77 45.8 22.4 41.6#

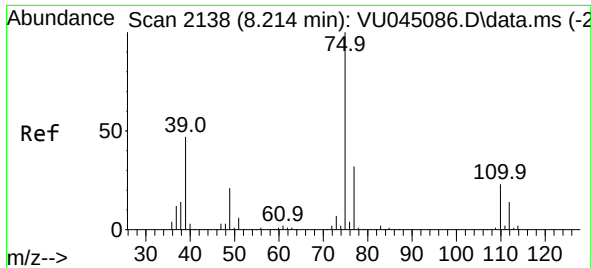


#42

Toluene  
 Concen: 0.608 ug/L  
 RT: 7.973 min Scan# 2063  
 Delta R.T. -0.000 min  
 Lab File: VU045093.D  
 Acq: 04 Oct 2021 14:02

Tgt Ion: 91 Resp: 5424  
 Ion Ratio Lower Upper  
 91 100  
 92 61.5 40.5 75.1

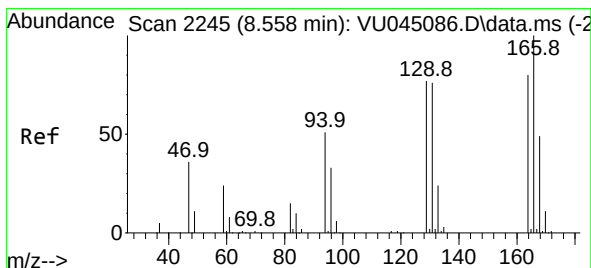
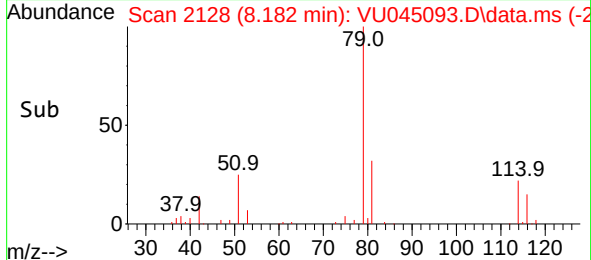
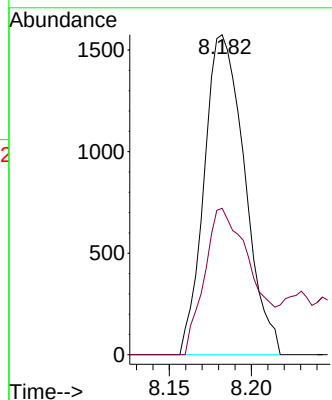
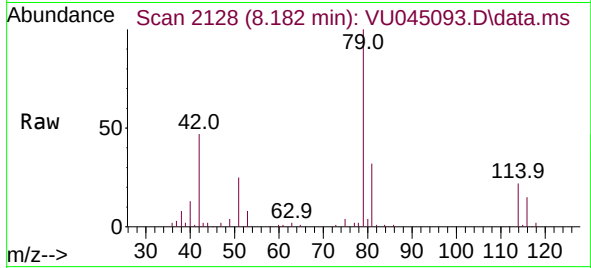




#44  
trans-1,3-Dichloropropene  
Concen: 0.828 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.032 min  
Lab File: VU045093.D  
Acq: 04 Oct 2021 14:02

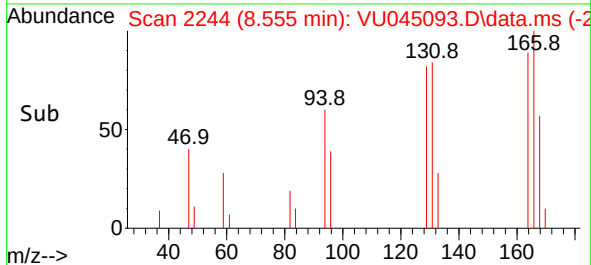
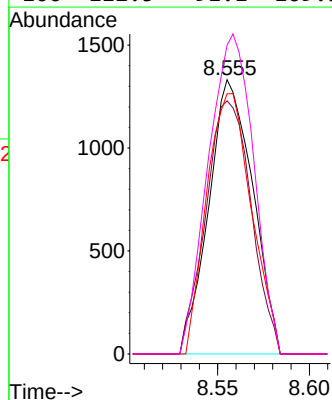
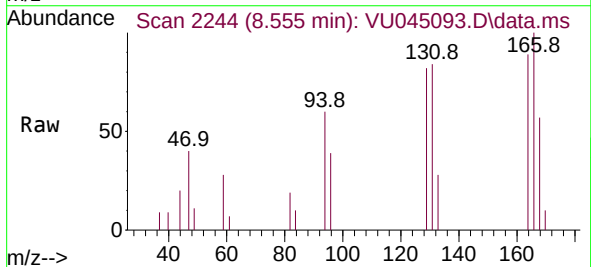
Instrument :  
MSVOA\_U  
ClientSampled :  
F4A12

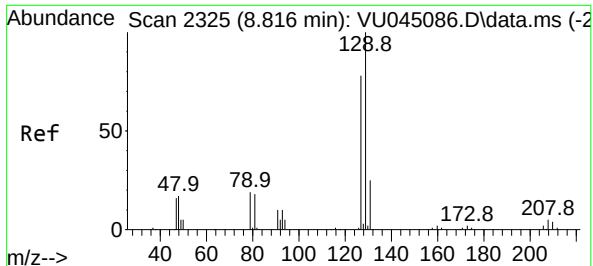
Tgt Ion: 75 Resp: 2694  
Ion Ratio Lower Upper  
75 100  
77 45.7 21.7 40.3#



#46  
Tetrachloroethene  
Concen: 1.472 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.003 min  
Lab File: VU045093.D  
Acq: 04 Oct 2021 14:02

Tgt Ion: 164 Resp: 2220  
Ion Ratio Lower Upper  
164 100  
129 92.3 69.8 129.6  
131 94.8 66.4 123.2  
166 112.5 91.1 169.3





#49

Dibromochloromethane

Concen: 0.985 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.261 min

Lab File: VU045093.D

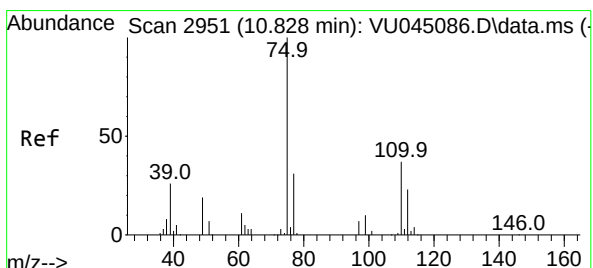
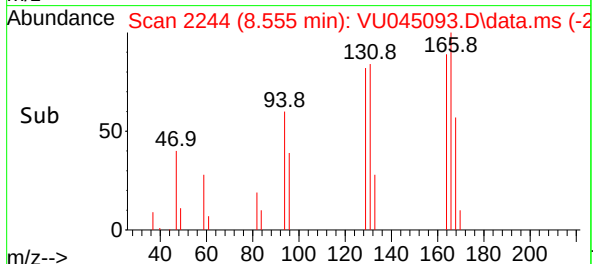
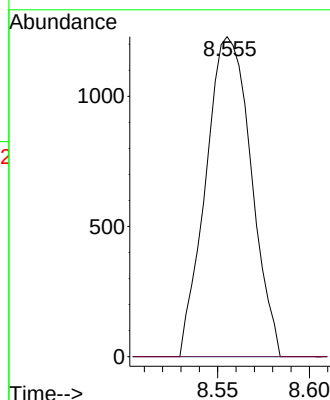
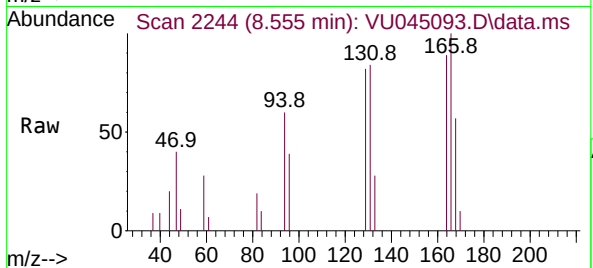
Acq: 04 Oct 2021 14:02

Tgt Ion: 129 Resp: 2112

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.8#



#60

1,2,3-Trichloropropane

Concen: 5.009 ug/L

RT: 11.815 min Scan# 3258

Delta R.T. 0.987 min

Lab File: VU045093.D

Acq: 04 Oct 2021 14:02

Tgt Ion: 75 Resp: 14588

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

110 1.7 29.0 43.4#

