

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051421\  
 Data File : VU043734.D  
 Acq On : 14 May 2021 05:24  
 Operator : SY/MD  
 Sample : M2395-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 08:03:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051421WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 14 04:42:41 2021  
 Response via : Initial Calibration

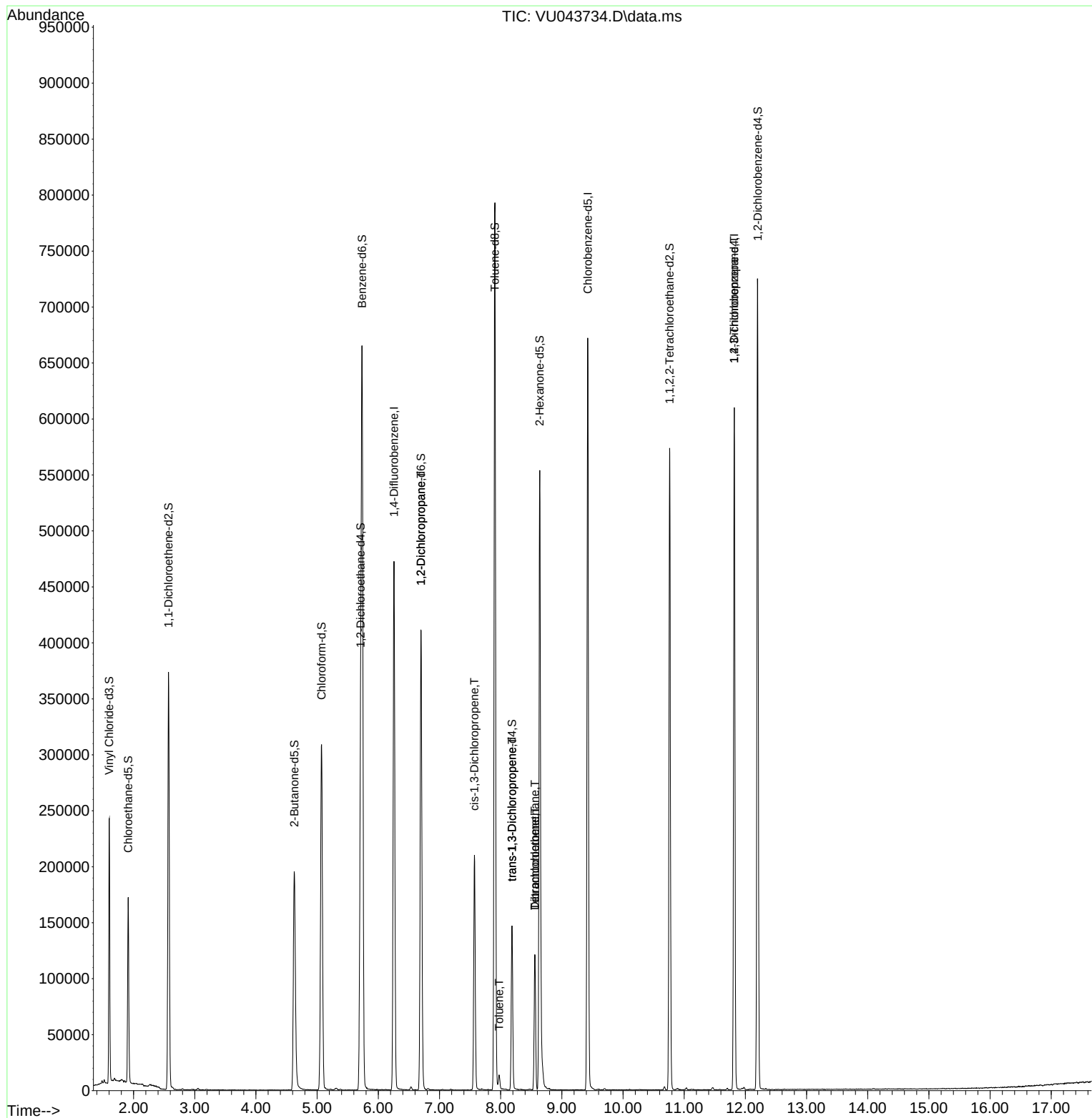
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256   | 114   | 383904   | 50.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423   | 117   | 372796   | 50.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819  | 152   | 165016   | 50.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 166930   | 52.51    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 105.02%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 123815   | 54.17    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 108.34%  |
| 11) 1,1-Dichloroethene-d2     | 2.572   | 63    | 217463   | 40.18    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 80.36%   |
| 21) 2-Butanone-d5             | 4.626   | 46    | 286552   | 115.24   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 115.24%  |
| 24) Chloroform-d              | 5.073   | 84    | 290108   | 53.79    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.58%  |
| 26) 1,2-Dichloroethane-d4     | 5.710   | 65    | 187108   | 55.96    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 111.92%  |
| 32) Benzene-d6                | 5.735   | 84    | 615209   | 55.69    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 111.38%  |
| 36) 1,2-Dichloropropane-d6    | 6.697   | 67    | 203857   | 56.57    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 113.14%  |
| 41) Toluene-d8                | 7.906   | 98    | 524122   | 52.72    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.44%  |
| 43) trans-1,3-Dichloroprop... | 8.185   | 79    | 80967    | 51.39    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.78%  |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 185490   | 107.49   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 107.49%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 287204   | 52.66    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 105.32%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201  | 152   | 197489   | 60.64    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 121.28%# |
| Target Compounds              |         |       |          |          |        |          |
| 37) 1,2-Dichloropropane       | 6.697   | 63    | 20360    | 5.92     | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.571   | 75    | 4760     | 1.01     | ug/L # | 64       |
| 42) Toluene                   | 7.976   | 91    | 8420     | 0.64     | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 8.185   | 75    | 3235     | 0.73     | ug/L # | 78       |
| 46) Tetrachloroethene         | 8.558   | 164   | 28005    | 11.61    | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.558   | 129   | 25965    | 7.98     | ug/L # | 10       |
| 60) 1,2,3-Trichloropropane    | 11.819  | 75    | 18254    | 4.74     | ug/L # | 69       |

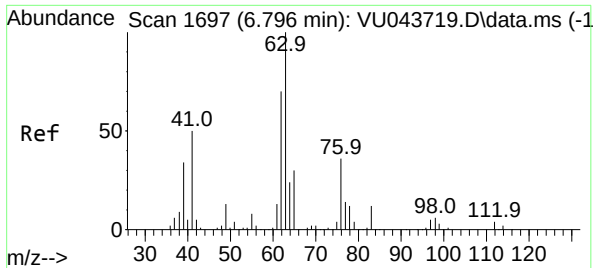
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 46 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

Quant Time: May 14 08:03:03 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051421WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 14 04:42:41 2021  
Response via : Initial Calibration

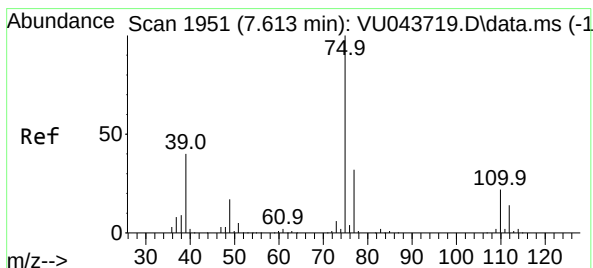
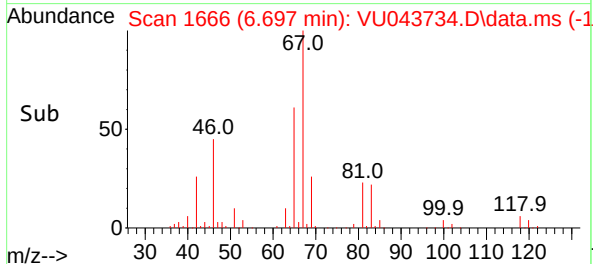
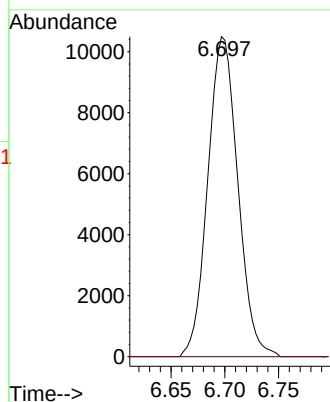
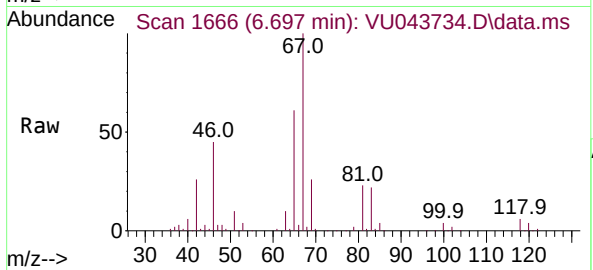




#37  
1,2-Dichloropropane  
Concen: 5.92 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.100 min  
Lab File: VU043734.D  
Acq: 14 May 2021 05:24

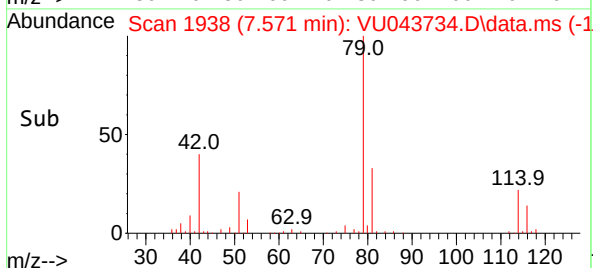
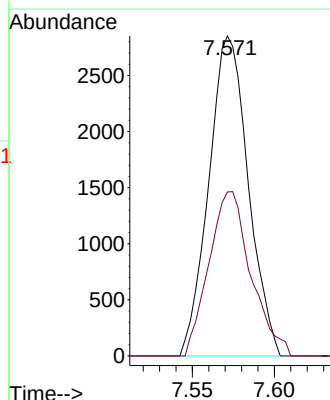
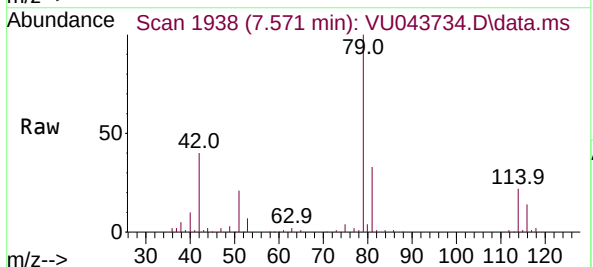
Instrument :  
MSVOA\_U  
ClientSampled :

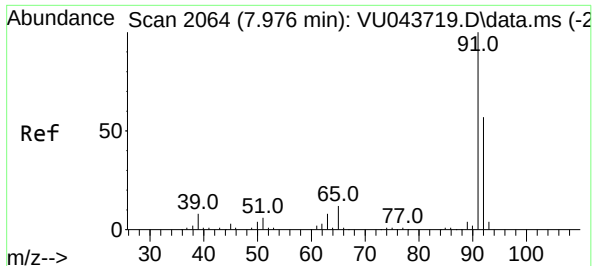
Tgt Ion: 63 Resp: 20360  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#



#39  
cis-1,3-Dichloropropene  
Concen: 1.01 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.042 min  
Lab File: VU043734.D  
Acq: 14 May 2021 05:24

Tgt Ion: 75 Resp: 4760  
Ion Ratio Lower Upper  
75 100  
77 51.2 22.0 41.0#

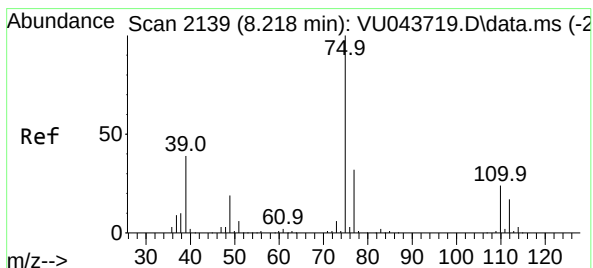
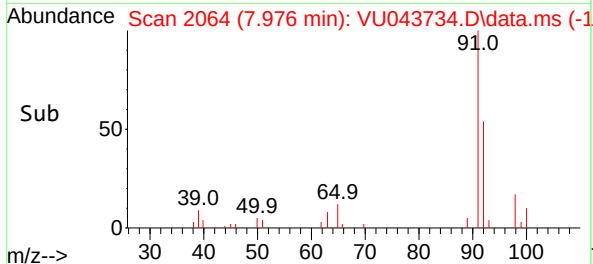
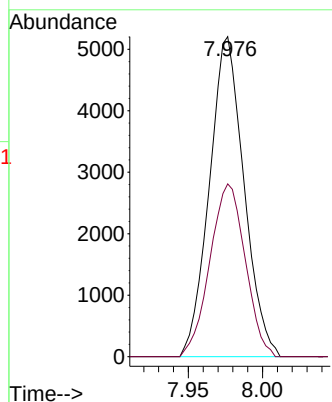
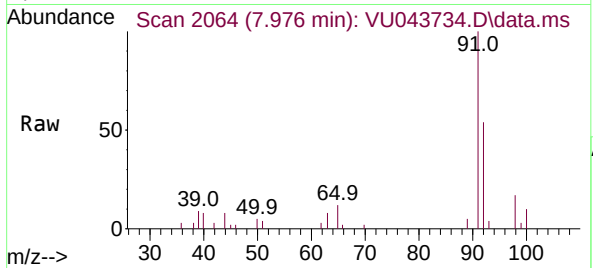




#42  
Toluene  
Concen: 0.64 ug/L  
RT: 7.976 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VU043734.D  
Acq: 14 May 2021 05:24

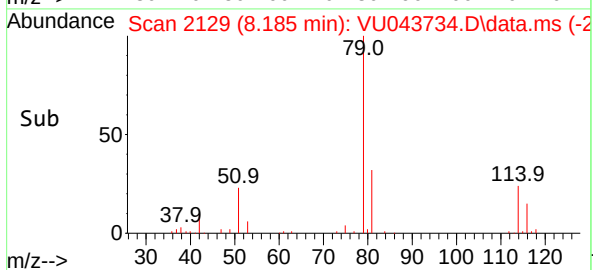
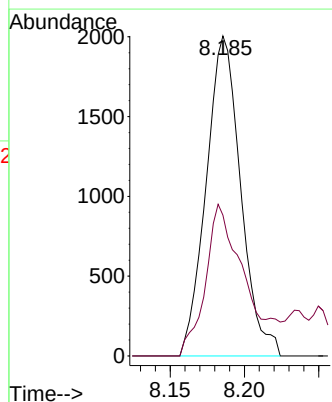
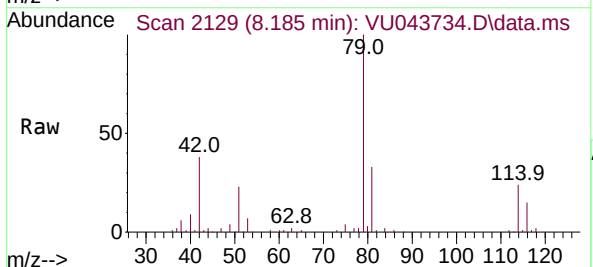
Instrument :  
MSVOA\_U  
ClientSampled :

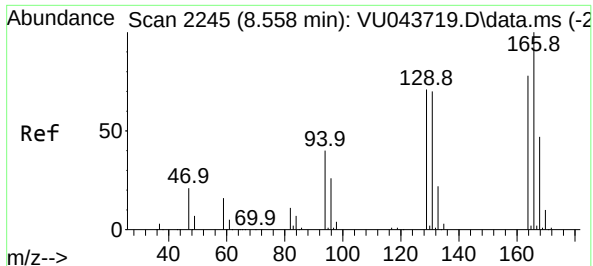
Tgt Ion: 91 Resp: 8420  
Ion Ratio Lower Upper  
91 100  
92 54.0 39.7 73.7



#44  
trans-1,3-Dichloropropene  
Concen: 0.73 ug/L  
RT: 8.185 min Scan# 2129  
Delta R.T. -0.032 min  
Lab File: VU043734.D  
Acq: 14 May 2021 05:24

Tgt Ion: 75 Resp: 3235  
Ion Ratio Lower Upper  
75 100  
77 44.0 22.4 41.6#

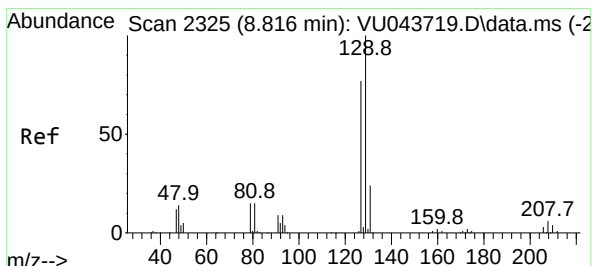
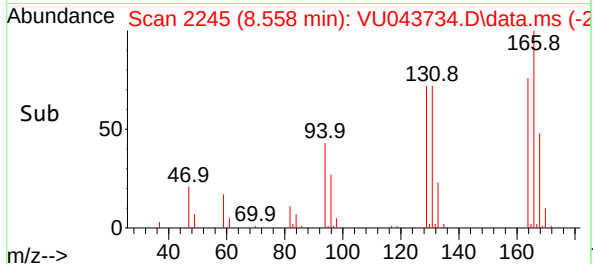
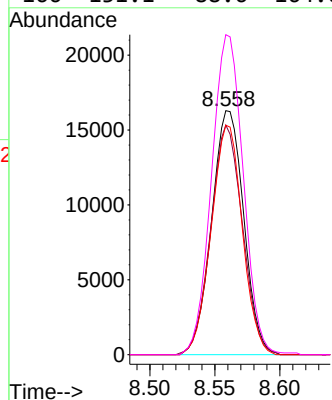
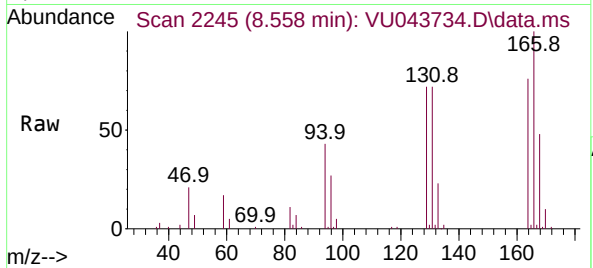




#46  
Tetrachloroethene  
Concen: 11.61 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. 0.000 min  
Lab File: VU043734.D  
Acq: 14 May 2021 05:24

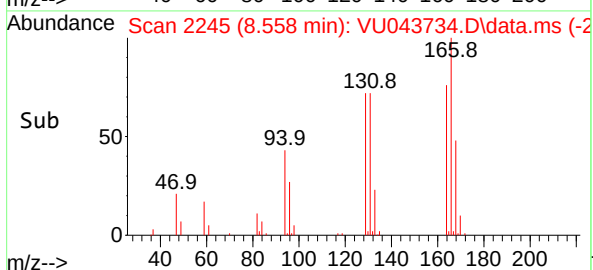
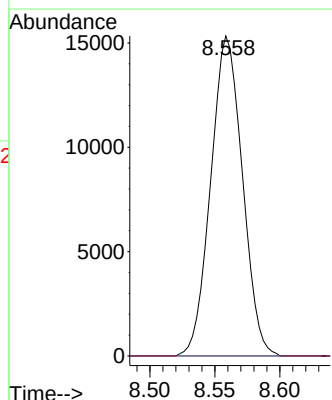
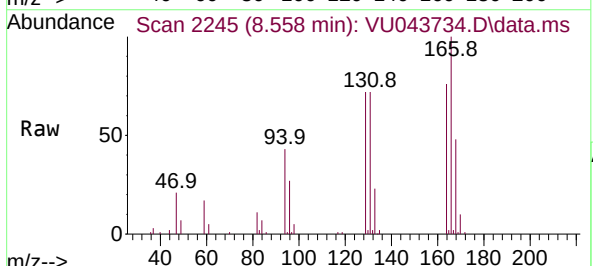
Instrument :  
MSVOA\_U  
ClientSampled :

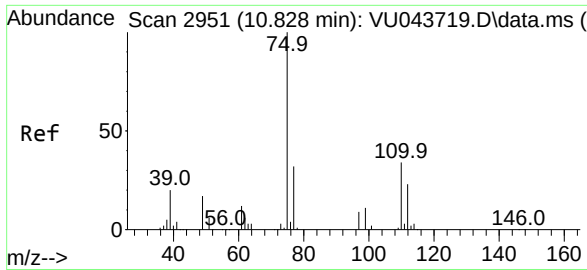
Tgt Ion:164 Resp: 28005  
Ion Ratio Lower Upper  
164 100  
129 94.1 65.5 121.6  
131 94.0 63.0 117.0  
166 131.1 88.6 164.6



#49  
Dibromochloromethane  
Concen: 7.98 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.257 min  
Lab File: VU043734.D  
Acq: 14 May 2021 05:24

Tgt Ion:129 Resp: 25965  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.5 101.1#





#60  
 1,2,3-Trichloropropane  
 Concen: 4.74 ug/L  
 RT: 11.819 min Scan# 3259  
 Delta R.T. 0.990 min  
 Lab File: VU043734.D  
 Acq: 14 May 2021 05:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 18254      |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 33.4  | 25.8 38.6  |
| 110         | 2.5   | 28.9 43.3# |

