

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051421\  
 Data File : VU043735.D  
 Acq On : 14 May 2021 05:47  
 Operator : SY/MD  
 Sample : M2395-03  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 08:03:11 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

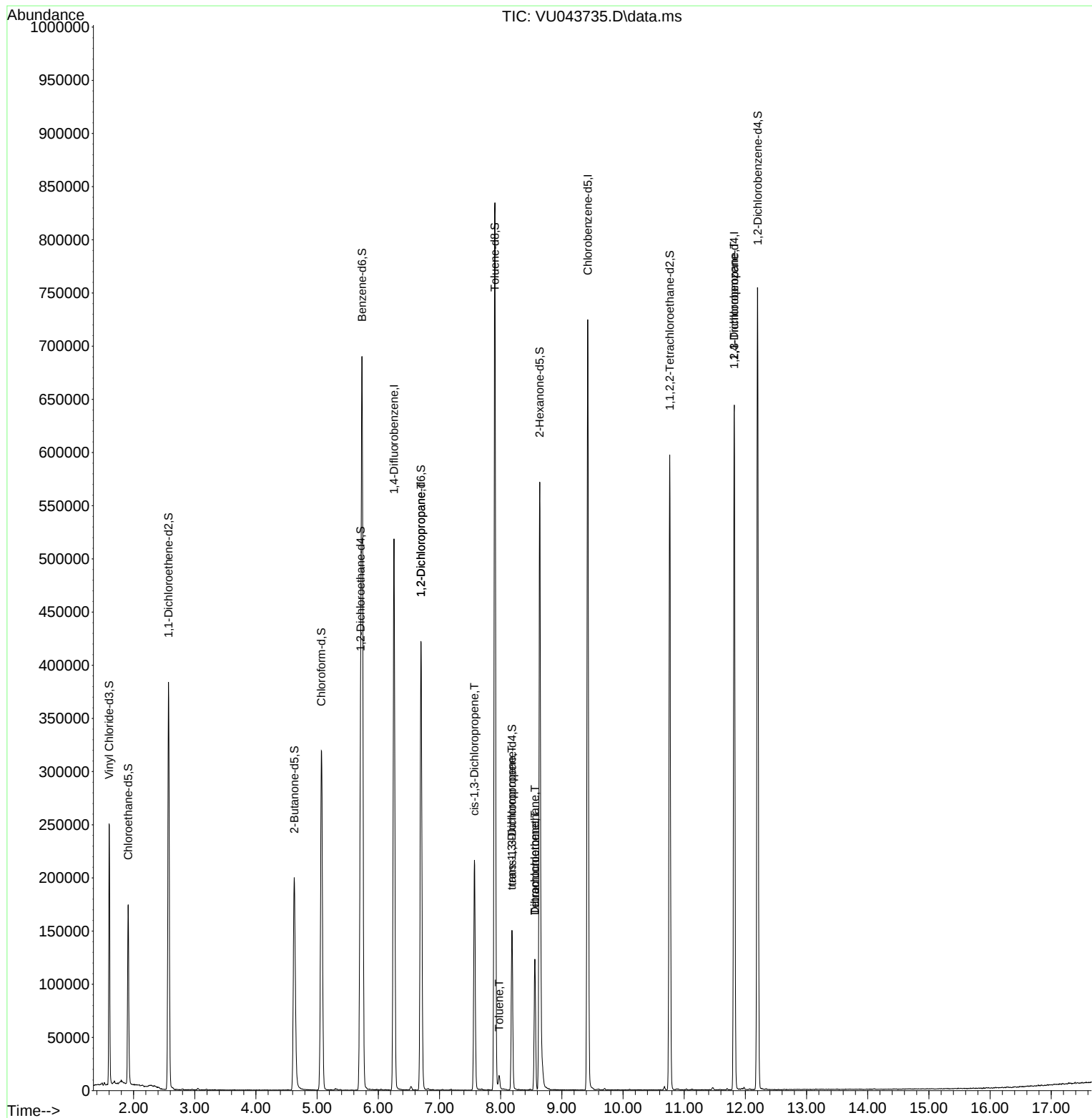
| Compound                      | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                         |                |      |                    |        |        |          |
| Internal Standards            |                |      |                    |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.256          | 114  | 414969             | 50.00  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423          | 117  | 402095             | 50.00  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819         | 152  | 176535             | 50.00  | ug/L   | 0.00     |
|                               |                |      |                    |        |        |          |
| System Monitoring Compounds   |                |      |                    |        |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 172281             | 50.14  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 100.28% |        |        |          |
| 7) Chloroethane-d5            | 1.912          | 69   | 128789             | 52.13  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 104.26% |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 222091             | 37.97  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 75.94%  |        |        |          |
| 21) 2-Butanone-d5             | 4.626          | 46   | 291967             | 108.63 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 108.63% |        |        |          |
| 24) Chloroform-d              | 5.070          | 84   | 301021             | 51.63  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 103.26% |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.710          | 65   | 194443             | 53.80  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 107.60% |        |        |          |
| 32) Benzene-d6                | 5.735          | 84   | 638573             | 53.59  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 107.18% |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.697          | 67   | 210886             | 54.26  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 108.52% |        |        |          |
| 41) Toluene-d8                | 7.906          | 98   | 552076             | 51.49  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 102.98% |        |        |          |
| 43) trans-1,3-Dichloroprop... | 8.185          | 79   | 84553              | 49.75  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 99.50%  |        |        |          |
| 47) 2-Hexanone-d5             | 8.639          | 63   | 193926             | 104.19 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 104.19% |        |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764         | 84   | 301813             | 51.31  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 102.62% |        |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.201         | 152  | 205627             | 59.02  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 118.04% |        |        |          |
|                               |                |      |                    |        |        |          |
| Target Compounds              |                |      |                    |        |        | Qvalue   |
| 37) 1,2-Dichloropropane       | 6.697          | 63   | 21394              | 5.76   | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.571          | 75   | 4810               | 0.95   | ug/L # | 68       |
| 42) Toluene                   | 7.976          | 91   | 8279               | 0.58   | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 3169               | 0.66   | ug/L   | 91       |
| 46) Tetrachloroethene         | 8.558          | 164  | 28378              | 10.91  | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.558          | 129  | 26723              | 7.62   | ug/L # | 10       |
| 60) 1,2,3-Trichloropropane    | 11.816         | 75   | 19985              | 4.85   | ug/L # | 67       |
| -----                         |                |      |                    |        |        |          |

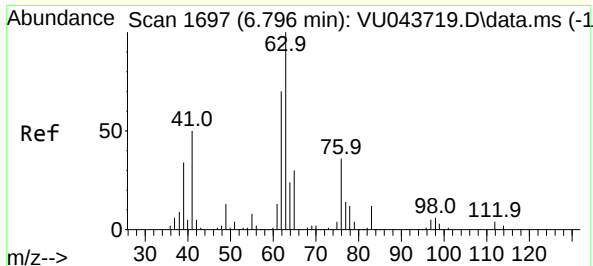
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 14 08:03:11 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



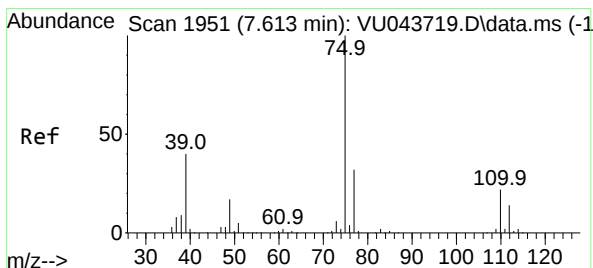
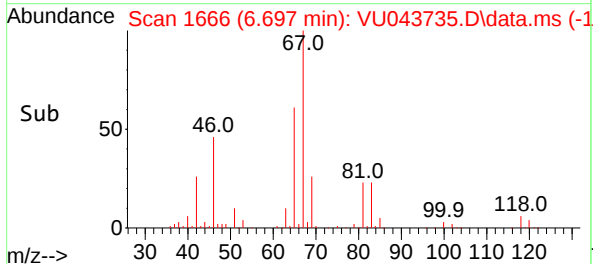
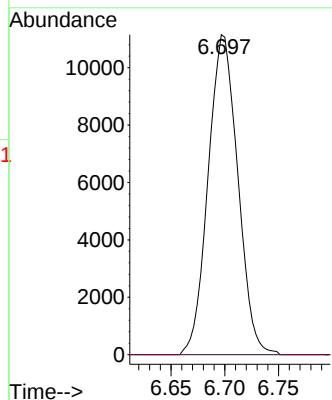
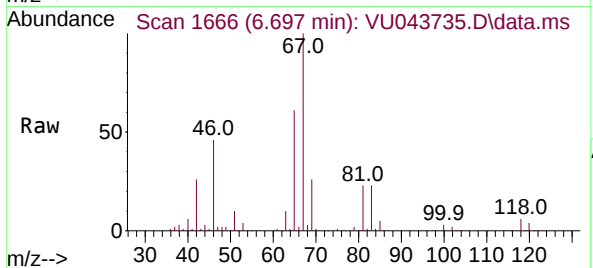


#37

1,2-Dichloropropane  
Concen: 5.76 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.100 min  
Lab File: VU043735.D  
Acq: 14 May 2021 05:47

Instrument :  
MSVOA\_U  
ClientSampled :

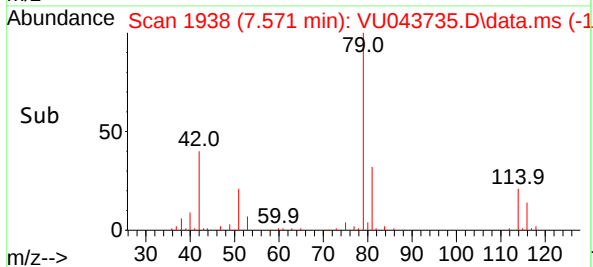
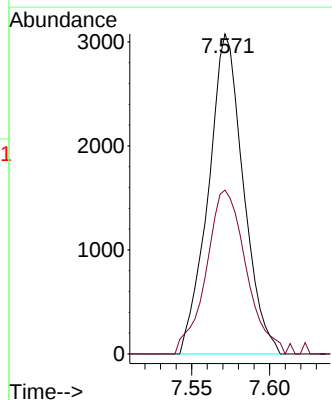
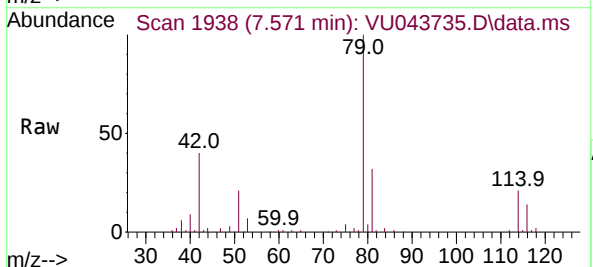
Tgt Ion: 63 Resp: 21394  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#

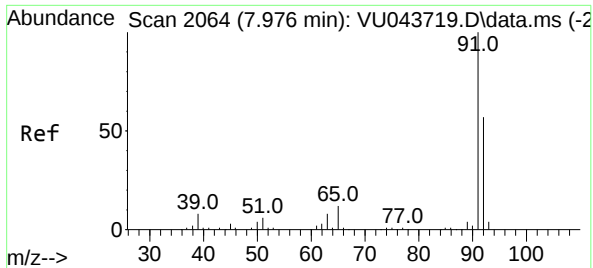


#39

cis-1,3-Dichloropropene  
Concen: 0.95 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.042 min  
Lab File: VU043735.D  
Acq: 14 May 2021 05:47

Tgt Ion: 75 Resp: 4810  
Ion Ratio Lower Upper  
75 100  
77 49.2 22.0 41.0#

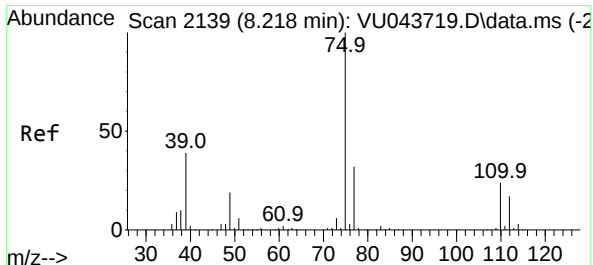
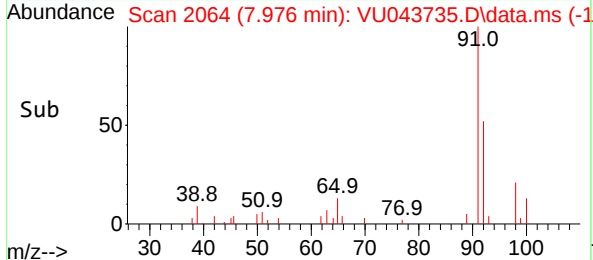
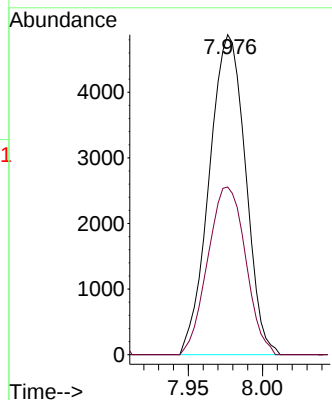
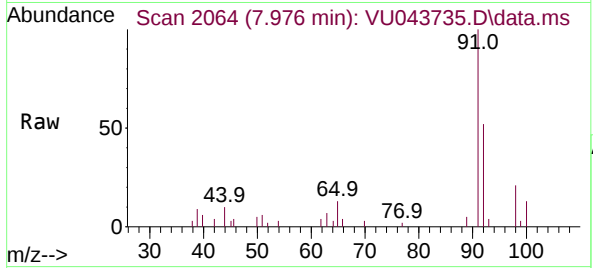




#42  
Toluene  
Concen: 0.58 ug/L  
RT: 7.976 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VU043735.D  
Acq: 14 May 2021 05:47

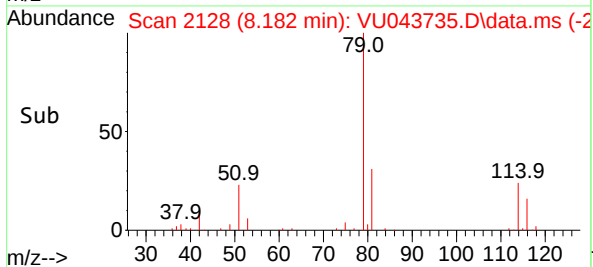
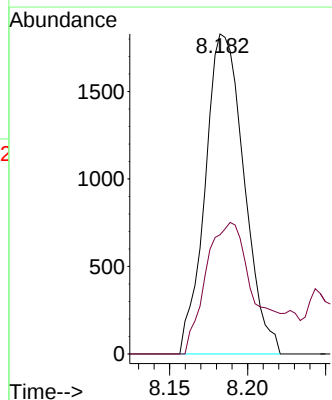
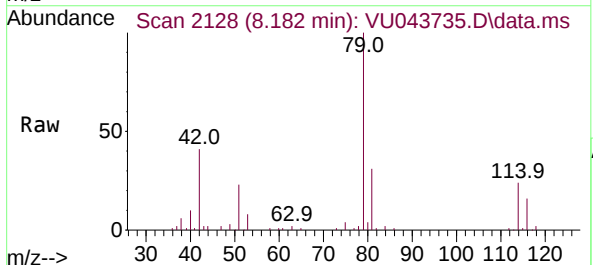
Instrument :  
MSVOA\_U  
ClientSampled :

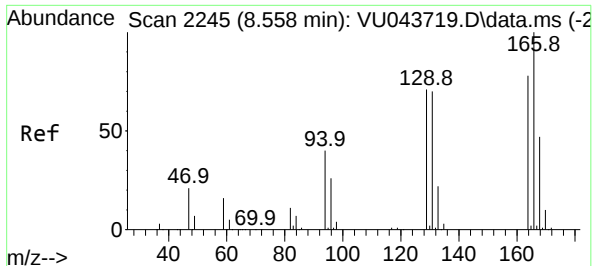
Tgt Ion: 91 Resp: 8279  
Ion Ratio Lower Upper  
91 100  
92 52.4 39.7 73.7



#44  
trans-1,3-Dichloropropene  
Concen: 0.66 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.035 min  
Lab File: VU043735.D  
Acq: 14 May 2021 05:47

Tgt Ion: 75 Resp: 3169  
Ion Ratio Lower Upper  
75 100  
77 37.2 22.4 41.6



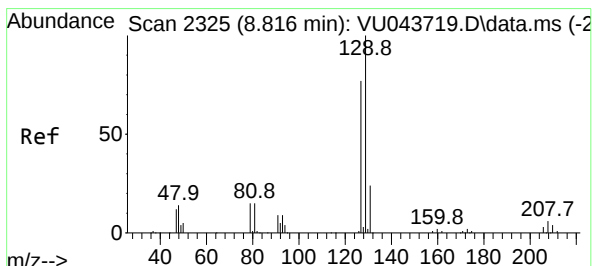
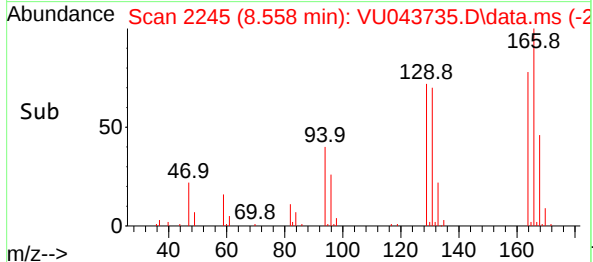
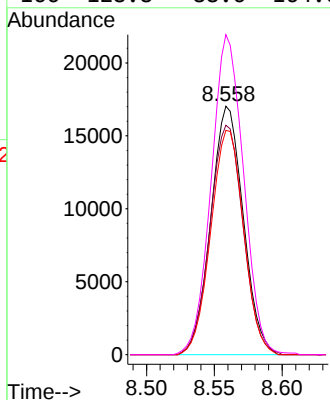
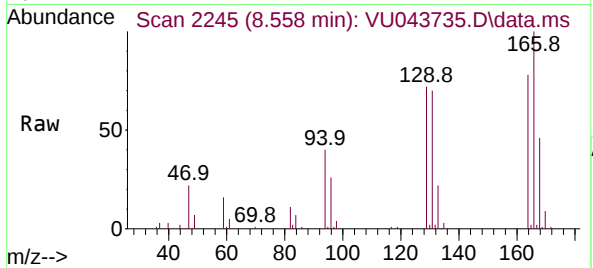


#46  
Tetrachloroethene  
Concen: 10.91 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. 0.000 min  
Lab File: VU043735.D  
Acq: 14 May 2021 05:47

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion:164 Resp: 28378

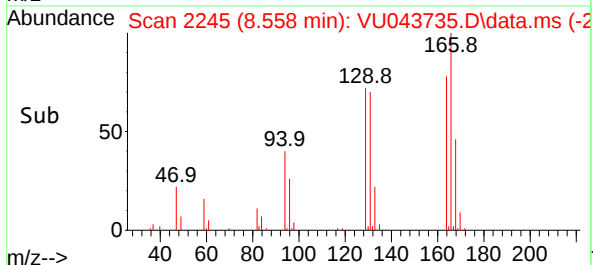
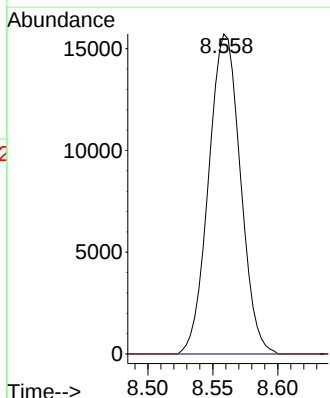
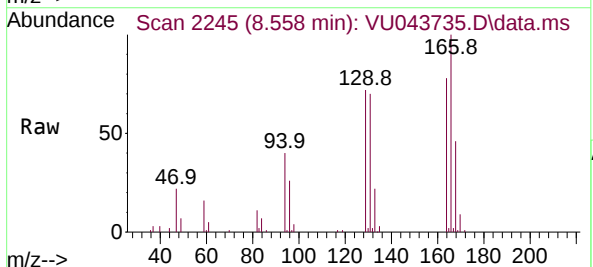
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 92.3  | 65.5  | 121.6 |
| 131 | 90.3  | 63.0  | 117.0 |
| 166 | 128.8 | 88.6  | 164.6 |

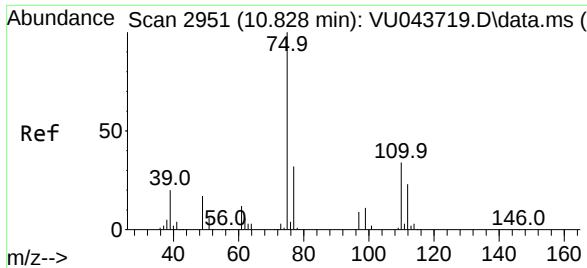


#49  
Dibromochloromethane  
Concen: 7.62 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.257 min  
Lab File: VU043735.D  
Acq: 14 May 2021 05:47

Tgt Ion:129 Resp: 26723

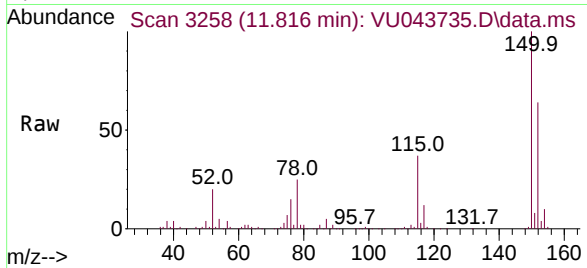
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 129 | 100   |       |        |
| 127 | 0.0   | 54.5  | 101.1# |





#60  
 1,2,3-Trichloropropane  
 Concen: 4.85 ug/L  
 RT: 11.816 min Scan# 3258  
 Delta R.T. 0.987 min  
 Lab File: VU043735.D  
 Acq: 14 May 2021 05:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 19985 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 30.0  | 25.8  | 38.6  |
| 110       | 1.8   | 28.9  | 43.3# |

