

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062620\  
 Data File : VU039169.D  
 Acq On : 26 Jun 2020 16:58  
 Operator : SY/MD  
 Sample : L3121-03RE  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F08

Quant Time: Jun 26 23:56:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 23:52:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 240426   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 246225   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 105509   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

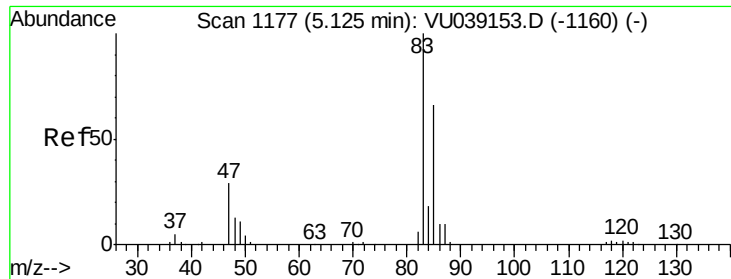
|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 62490    | 3.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 71.00% |
| 7) Chloroethane-d5             | 1.93   | 69    | 65024    | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.40% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 103087   | 3.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.00% |
| 20) 2-Butanone-d5              | 4.68   | 46    | 312377   | 49.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.32% |
| 24) Chloroform-d               | 5.10   | 84    | 155501   | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 97825    | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 283281   | 4.15     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.00% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 98358    | 4.29     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 85.80% |
| 41) Toluene-d8                 | 7.92   | 98    | 217402   | 3.81     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.20% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 36154    | 3.63     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 72.60% |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 249418   | 48.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 89016    | 4.17     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 83.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 90084    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.60% |

## Target Compounds

|                             |       |     |        |              | Ovalue |
|-----------------------------|-------|-----|--------|--------------|--------|
| 25) Chloroform              | 5.12  | 83  | 9602   | 0.270 ug/L   | 99     |
| 34) Trichloroethene         | 6.57  | 95  | 4644   | 0.248 ug/L   | 96     |
| 35) Methylcyclohexane       | 6.72  | 83  | 23620  | 0.851 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63  | 11195  | 0.534 ug/L # | 88     |
| 38) Bromodichloromethane    | 7.13  | 83  | 2439   | 0.093 ug/L # | 84     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 2782   | 0.096 ug/L # | 79     |
| 47) Tetrachloroethene       | 8.57  | 164 | 125757 | 9.324 ug/L   | 99     |
| 49) Dibromochloromethane    | 8.57  | 129 | 122457 | 7.229 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75  | 14213  | 0.899 ug/L   | 89     |

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

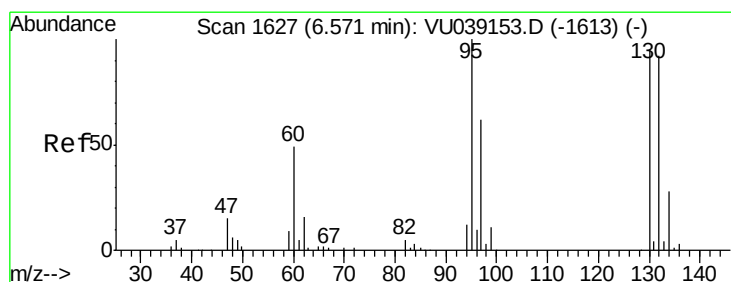
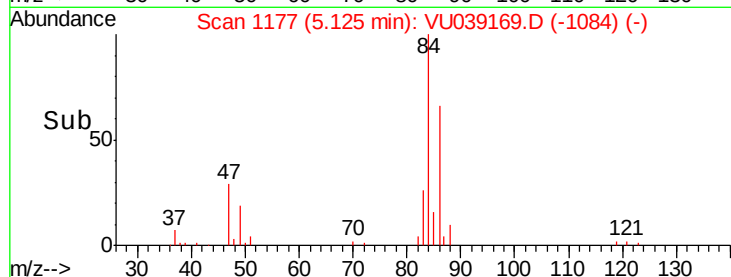
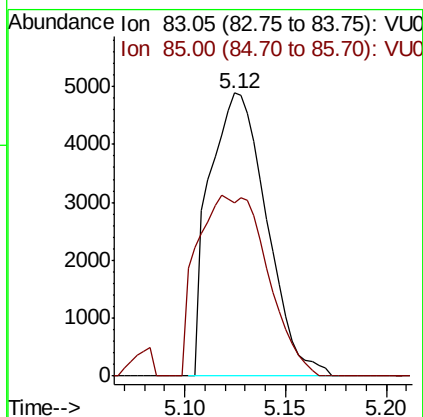
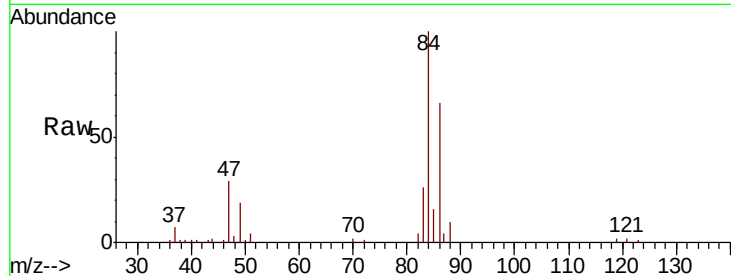




#25  
Chloroform  
Concen: 0.270 ug/L  
RT: 5.12 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: VU039169.D  
Acq: 26 Jun 2020 16:58

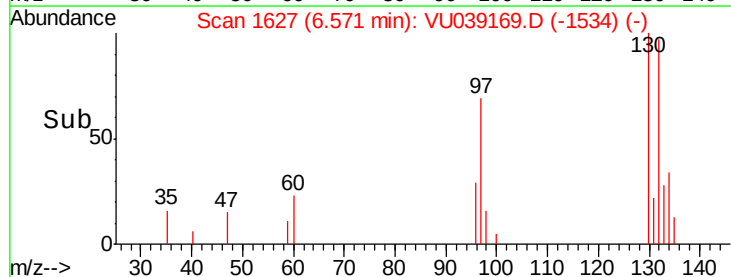
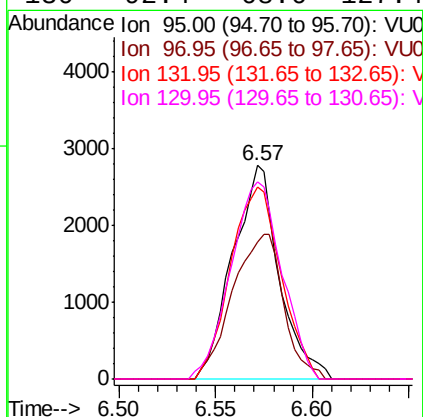
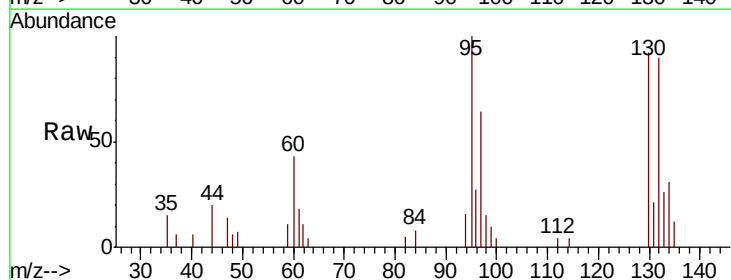
Instrument :  
MSVOA\_U  
ClientSampled :  
F9F08

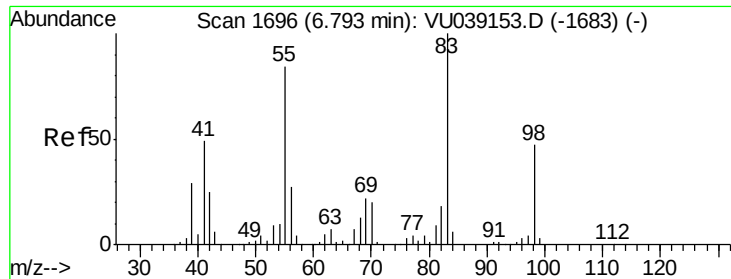
Tot Ion: 83 Resp: 9602  
Ion Ratio Lower Upper  
83 100  
85 61.4 43.8 81.4



#34  
Trichloroethene  
Concen: 0.248 ug/L  
RT: 6.57 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VU039169.D  
Acq: 26 Jun 2020 16:58

Tgt Ion: 95 Resp: 4644  
Ion Ratio Lower Upper  
95 100  
97 63.9 45.1 83.7  
132 89.8 65.1 120.9  
130 92.4 68.6 127.4

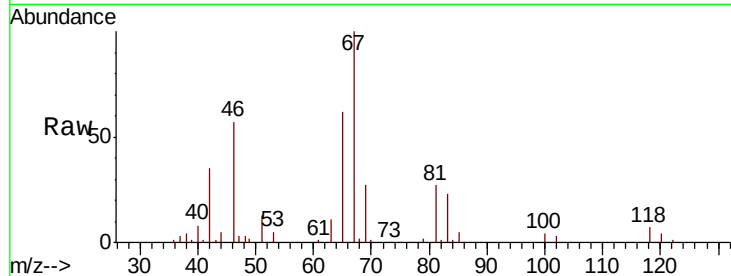




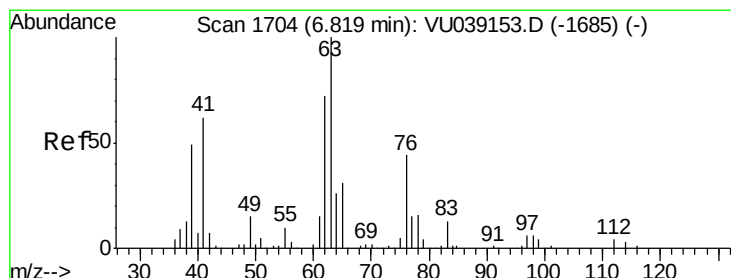
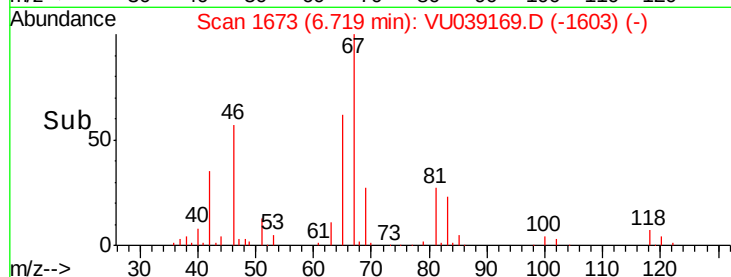
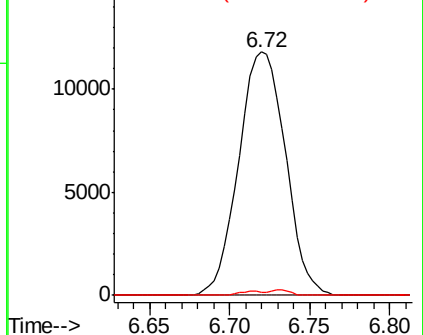
#35  
Methylvlcyclohexane  
Concen: 0.851 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU039169.D  
Acq: 26 Jun 2020 16:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9F08

Tot Ion: 83 Resp: 23620  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.5 98.3#  
98 0.8 36.5 54.7#

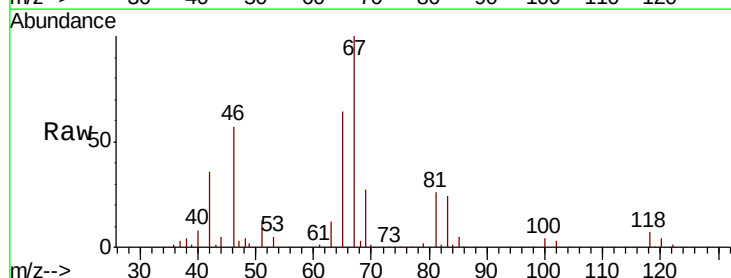


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

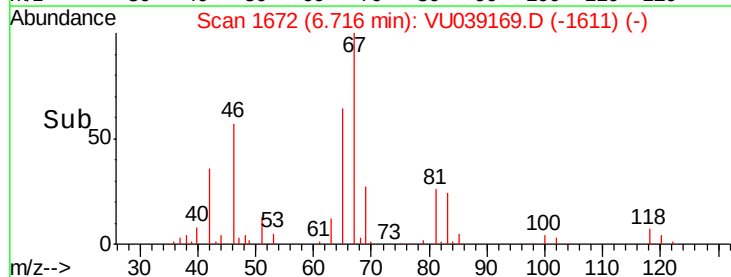
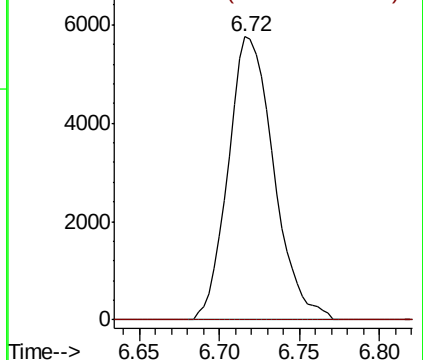


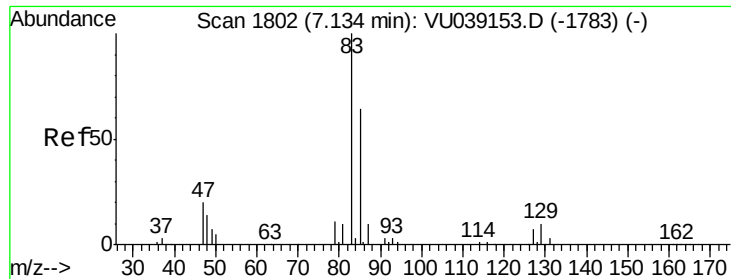
#37  
1,2-Dichloropropane  
Concen: 0.534 ug/L  
RT: 6.72 min Scan# 1672  
Delta R.T. -0.10 min  
Lab File: VU039169.D  
Acq: 26 Jun 2020 16:58

Tgt Ion: 63 Resp: 11195  
Ion Ratio Lower Upper  
63 100  
112 0.4 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

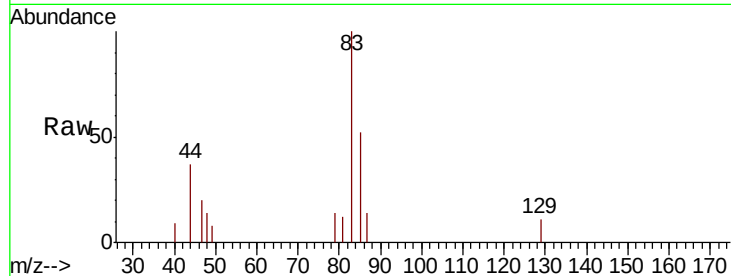




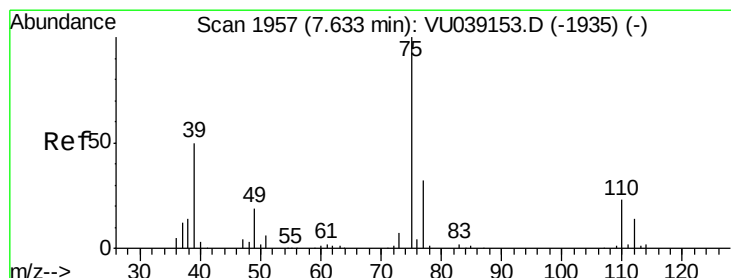
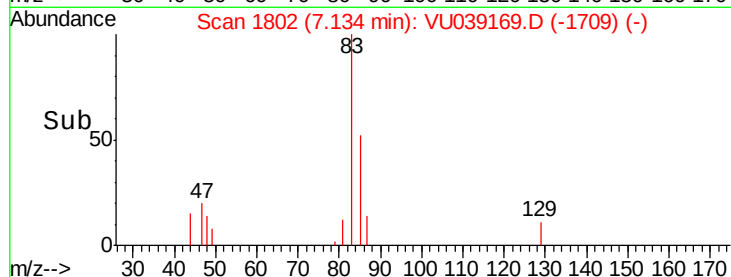
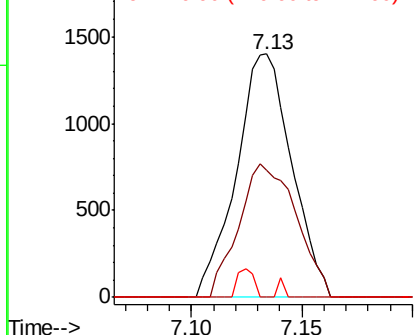
#38  
 Bromodichloromethane  
 Concen: 0.093 ug/L  
 RT: 7.13 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VU039169.D  
 Acq: 26 Jun 2020 16:58

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F08

Tot Ion: 83 Resp: 2439  
 Ion Ratio Lower Upper  
 83 100  
 85 52.0 44.9 83.3  
 127 0.0 6.3 9.5#

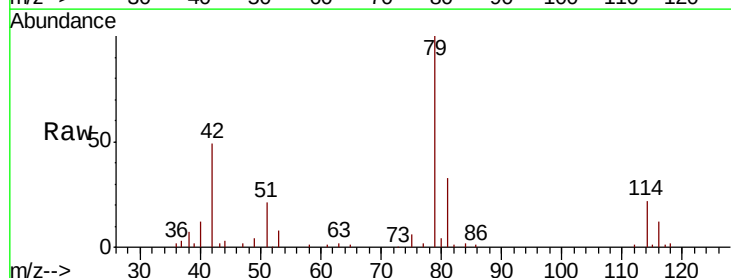


Abundance Ion 82.95 (82.65 to 83.65): VU0  
 Ion 85.00 (84.70 to 85.70): VU0  
 Ion 126.90 (126.60 to 127.60): V

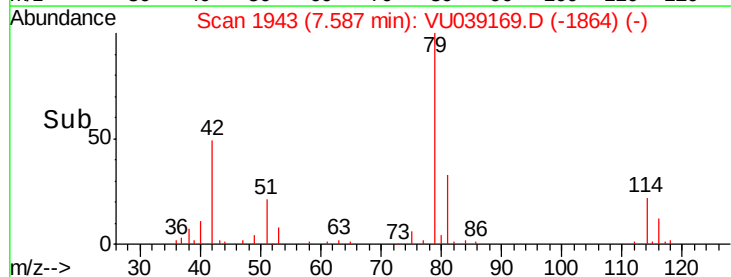
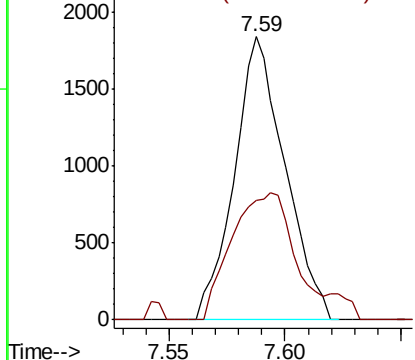


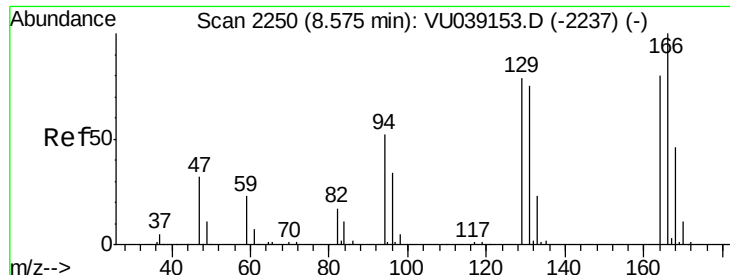
#39  
 cis-1,3-Dichloropropene  
 Concen: 0.096 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.05 min  
 Lab File: VU039169.D  
 Acq: 26 Jun 2020 16:58

Tgt Ion: 75 Resp: 2782  
 Ion Ratio Lower Upper  
 75 100  
 77 42.2 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0  
 Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 9.324 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039169.D

Acq: 26 Jun 2020 16:58

Instrument :

MSVOA\_U

ClientSampleId :

F9F08

Tot Ion:164 Resp: 125757

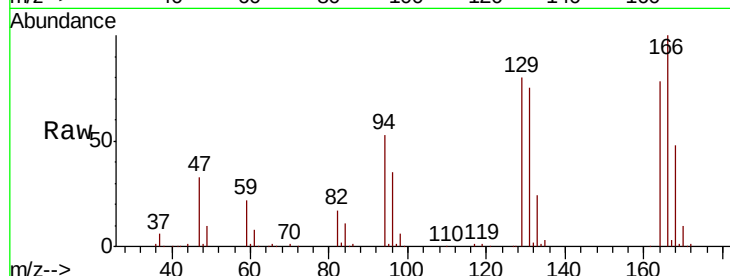
Ion Ratio Lower Upper

164 100

129 102.5 71.3 132.5

131 96.9 68.3 126.8

166 128.5 90.8 168.6

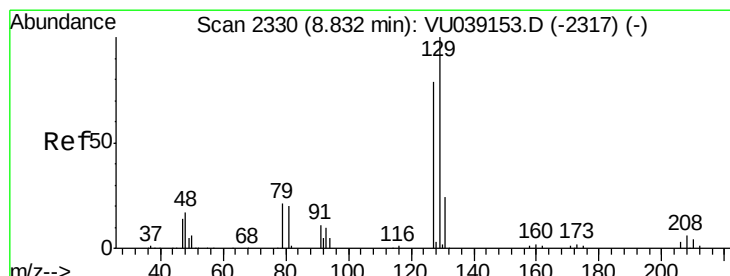
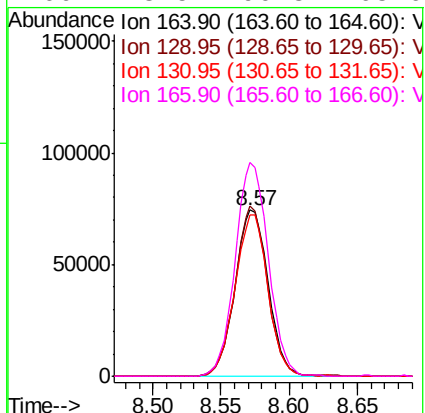
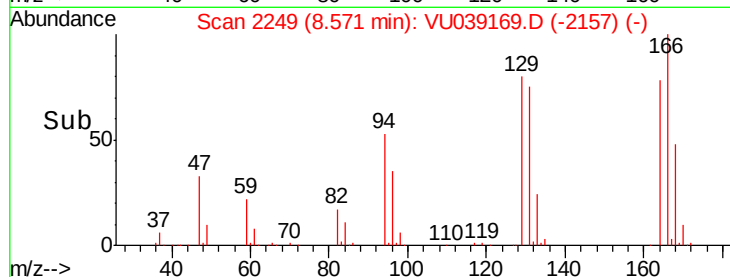


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 7.229 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU039169.D

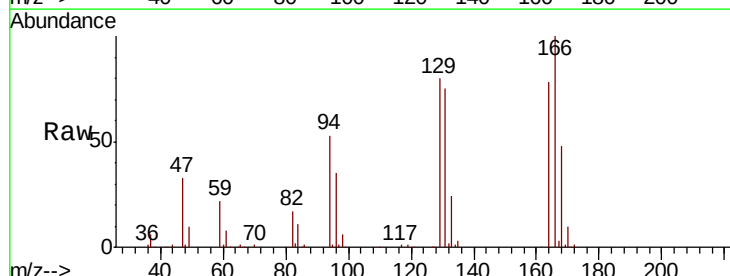
Acq: 26 Jun 2020 16:58

Tgt Ion:129 Resp: 122457

Ion Ratio Lower Upper

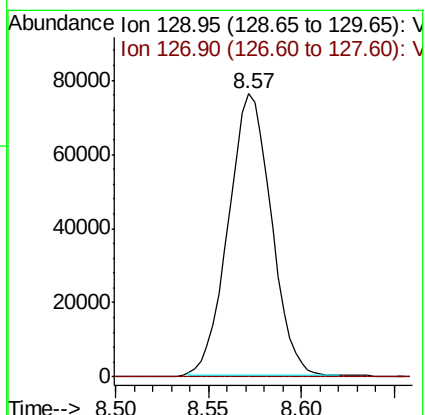
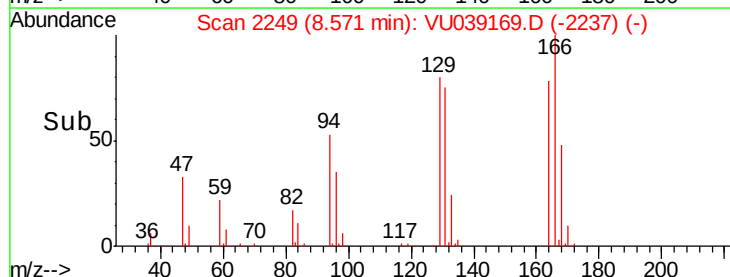
129 100

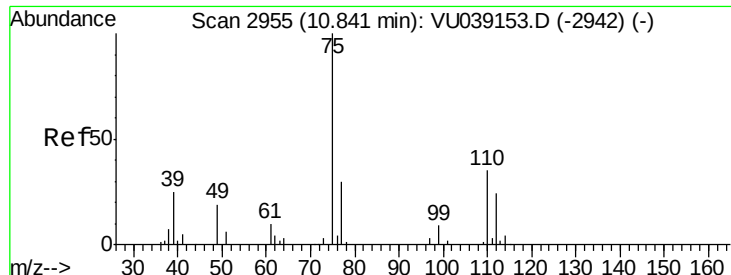
127 0.4 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.899 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039169.D

Acq: 26 Jun 2020 16:58

Instrument :

MSVOA\_U

ClientSampleId :

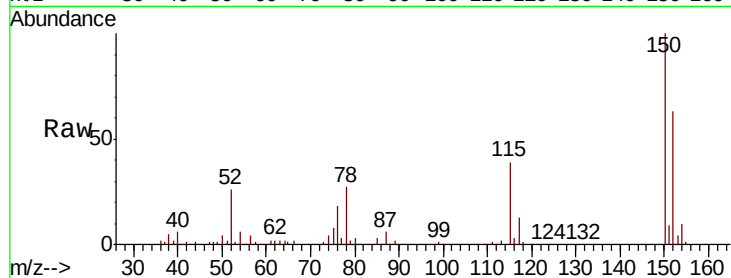
F9F08

Tot Ion: 75 Resp: 14213

Ion Ratio Lower Upper

75 100

77 38.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

