

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\  
 Data File : VU038085.D  
 Acq On : 08 May 2020 15:52  
 Operator : JC/MD  
 Sample : L2538-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 09 00:13:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 09 00:11:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 369108   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 361095   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 168748   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 145680   | 4.32     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.40% |
| 7) Chloroethane-d5             | 1.93   | 69    | 123910   | 4.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 179609   | 3.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.60% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 375347   | 45.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 90.12% |
| 24) Chloroform-d               | 5.10   | 84    | 226563   | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 131759   | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 498672   | 4.61     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 163179   | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.40% |
| 41) Toluene-d8                 | 7.92   | 98    | 438922   | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 56333    | 4.03     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.60% |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 297792   | 45.08    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 121080   | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 155740   | 4.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.80% |

## Target Compounds

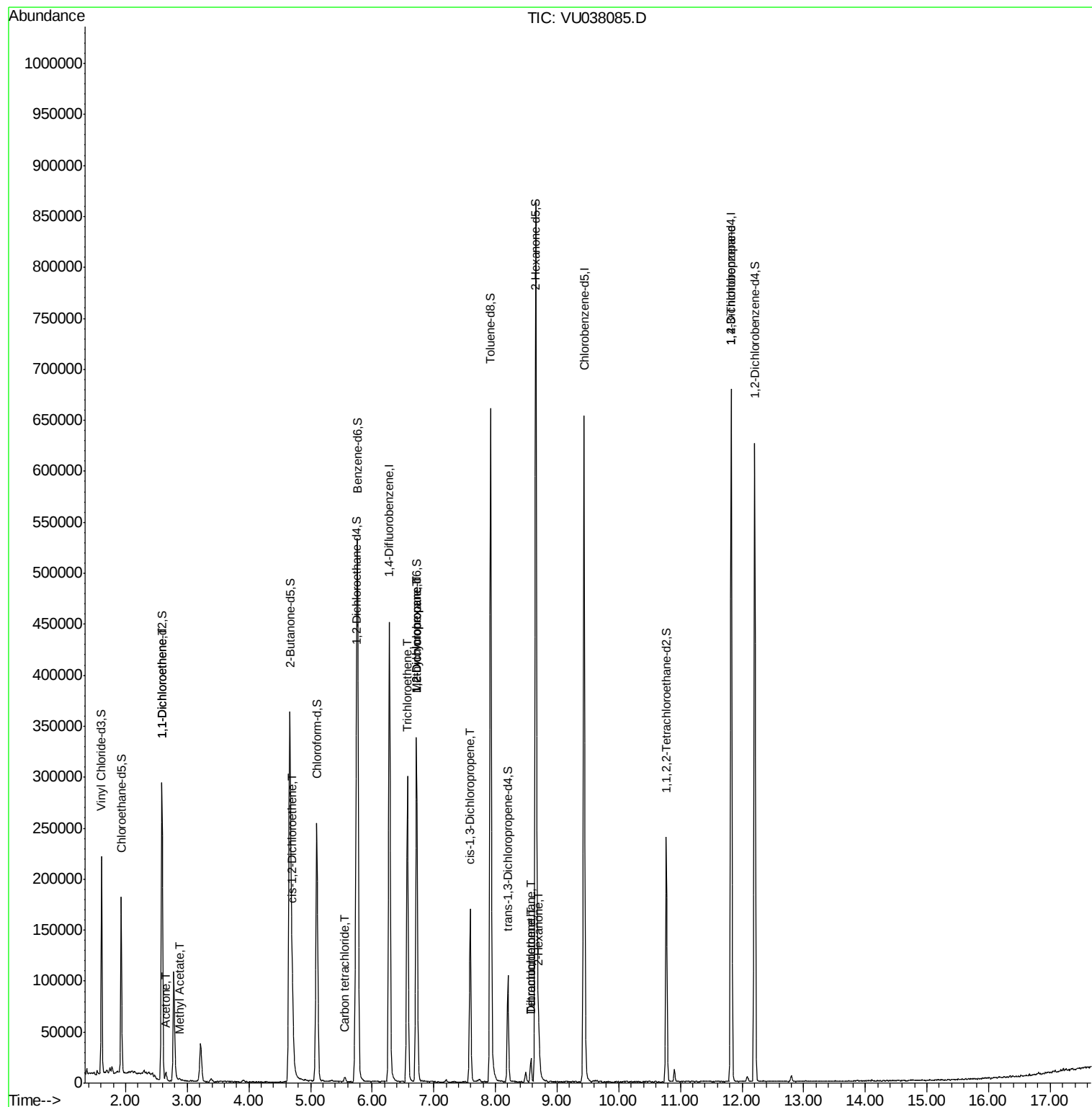
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96   | 2111     | 0.082 | ug/L # | 1      |
| 13) Acetone                 | 2.65  | 43   | 8874     | 1.698 | ug/L   | 97     |
| 15) Methyl Acetate          | 2.88  | 43   | 2982     | 0.204 | ug/L # | 53     |
| 22) cis-1,2-Dichloroethene  | 4.71  | 96   | 33949    | 1.127 | ug/L   | 96     |
| 31) Carbon tetrachloride    | 5.56  | 117  | 2715     | 0.082 | ug/L   | 87     |
| 34) Trichloroethene         | 6.57  | 95   | 100212   | 3.465 | ug/L   | 99     |
| 35) Methylcyclohexane       | 6.72  | 83   | 36610    | 0.781 | ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.72  | 63   | 16262    | 0.518 | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75   | 4003     | 0.089 | ug/L # | 82     |
| 47) Tetrachloroethene       | 8.57  | 164  | 5286     | 0.261 | ug/L   | 92     |
| 48) 2-Hexanone              | 8.70  | 43   | 25920    | 1.626 | ug/L # | 94     |
| 49) Dibromochloromethane    | 8.57  | 129  | 4732     | 0.209 | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75   | 22243    | 1.055 | ug/L   | 92     |

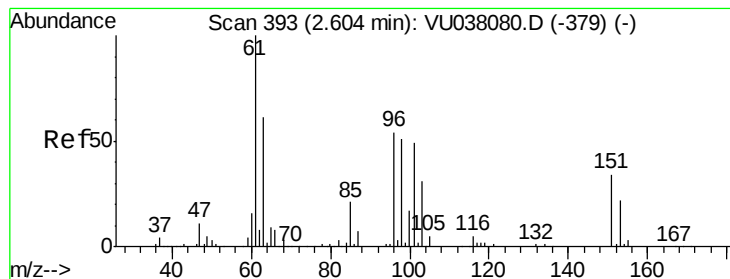
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\  
Data File : VU038085.D  
Acq On : 08 May 2020 15:52  
Operator : JC/MD  
Sample : L2538-03  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 09 00:13:24 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat May 09 00:11:09 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038085.D

Acq: 08 May 2020 15:52

Instrument :

MSVOA\_U

ClientSampled :

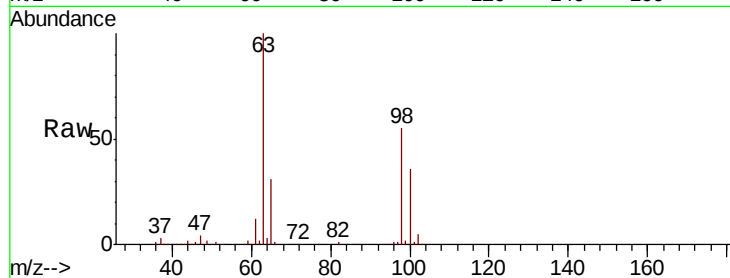
Tot Ion: 96 Resp: 2111

Ion Ratio Lower Upper

96 100

61 1086.5 126.2 234.4#

63 9224.1 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038080.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU038080.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU038080.D (-379) (-)

150000

100000

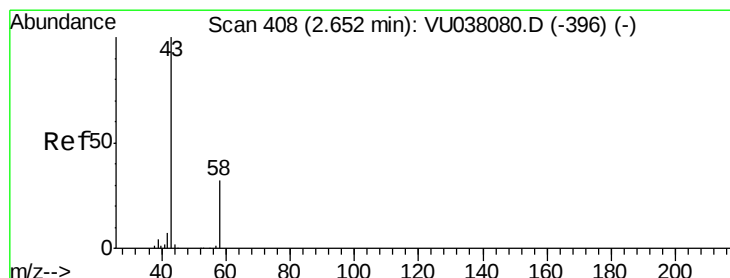
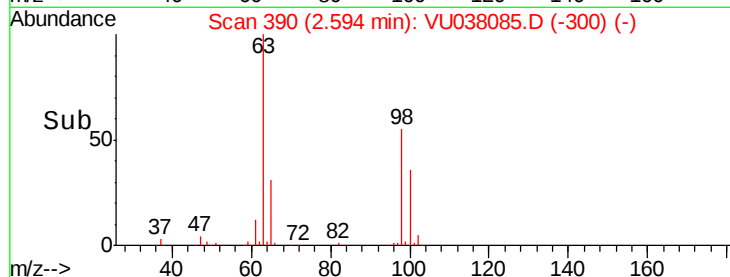
50000

0

2.55 2.60 2.65

2.59

Time-->



#13

Acetone

Concen: 1.698 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU038085.D

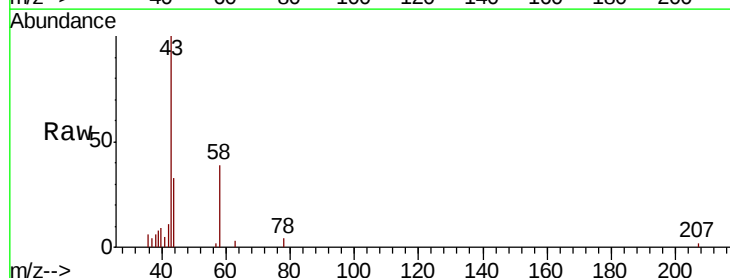
Acq: 08 May 2020 15:52

Tgt Ion: 43 Resp: 8874

Ion Ratio Lower Upper

43 100

58 33.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038080.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU038080.D (-396) (-)

5000

4000

3000

2000

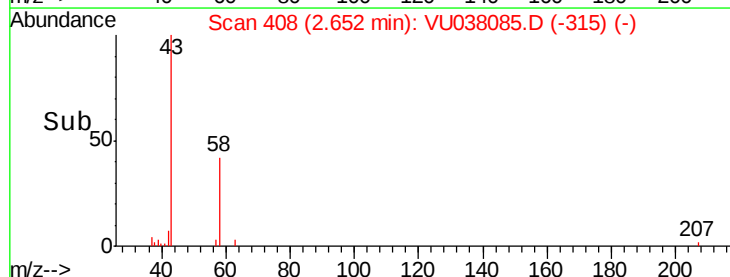
1000

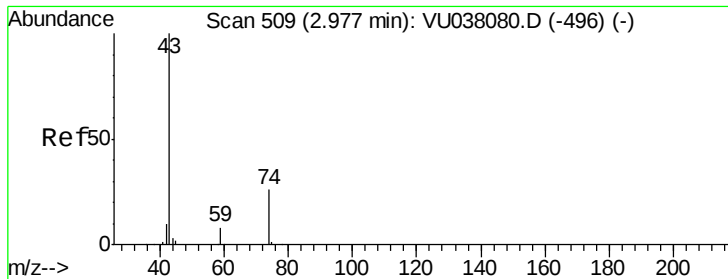
0

2.60 2.65 2.70

2.65

Time-->

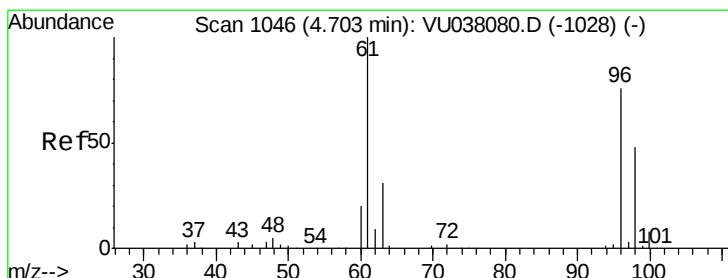
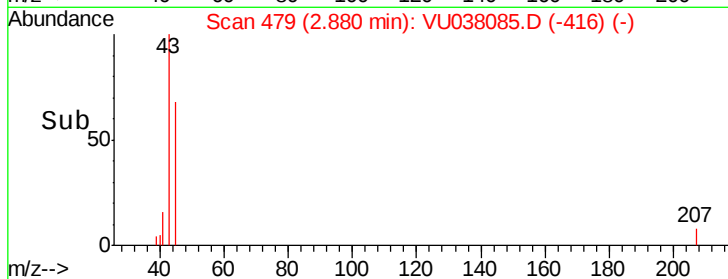
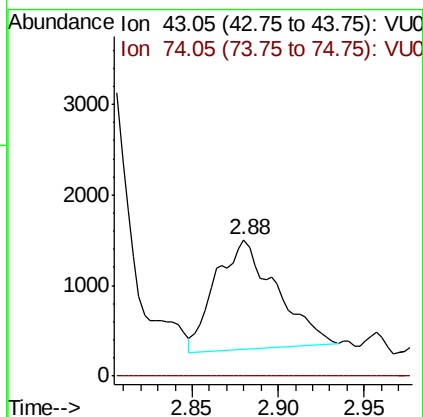
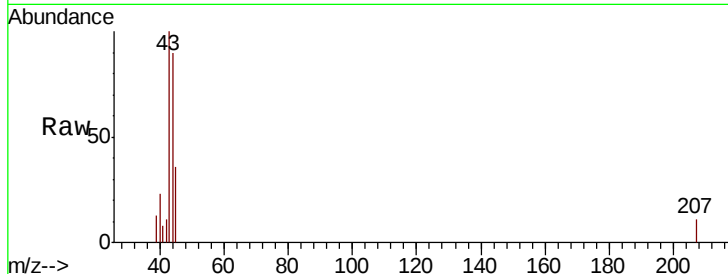




#15  
Methvl Acetate  
Concen: 0.204 ug/L  
RT: 2.88 min Scan# 479  
Delta R.T. -0.10 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

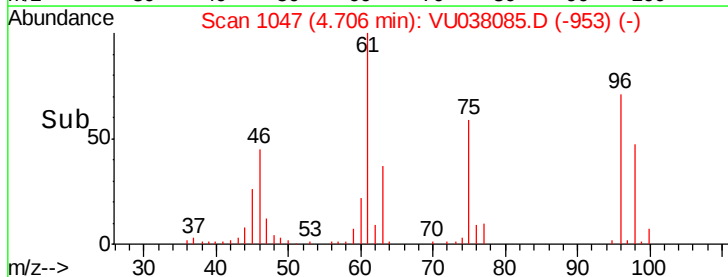
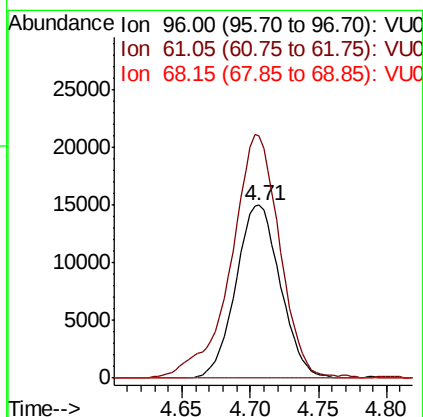
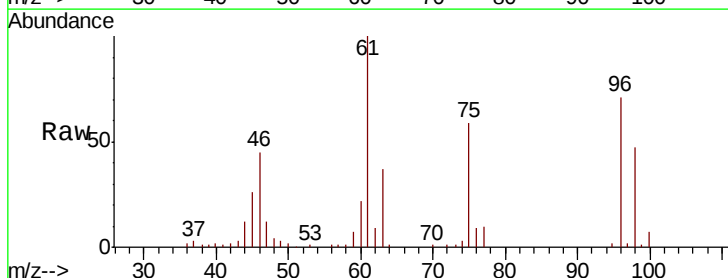
Instrument :  
MSVOA\_U  
ClientSampled :

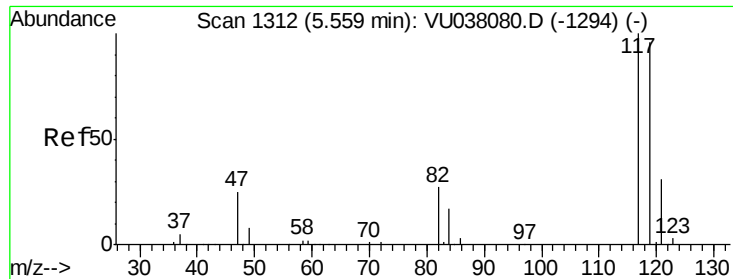
Tot Ion: 43 Resp: 2982  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.0 27.0#



#22  
cis-1,2-Dichloroethene  
Concen: 1.127 ug/L  
RT: 4.71 min Scan# 1047  
Delta R.T. 0.00 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

Tgt Ion: 96 Resp: 33949  
Ion Ratio Lower Upper  
96 100  
61 140.7 95.3 176.9  
68 0.0 0.0 0.0

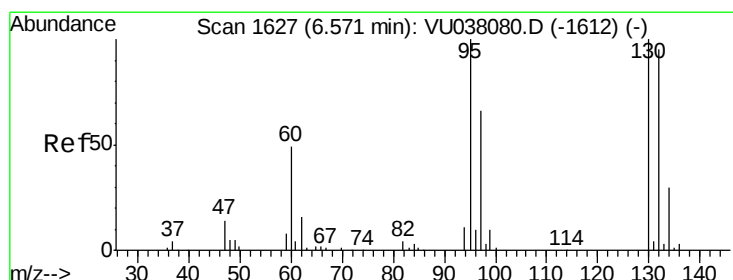
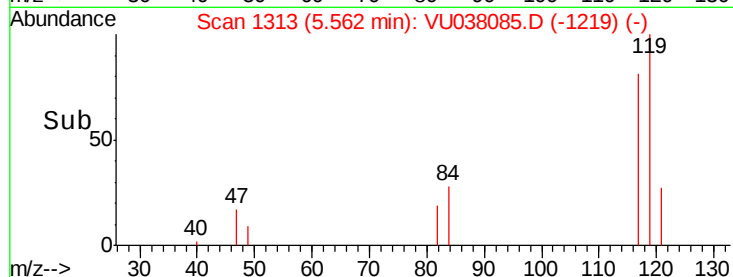
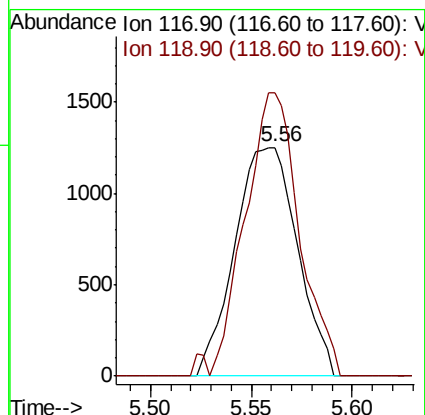
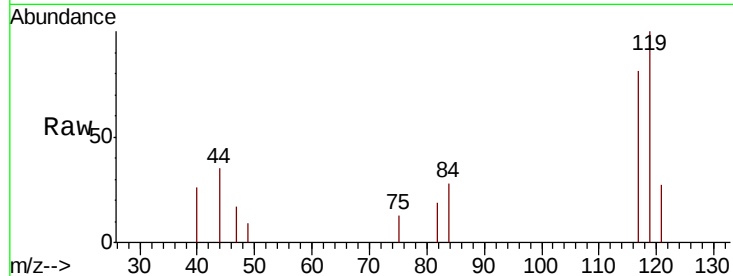




#31  
Carbon tetrachloride  
Concen: 0.082 ug/L  
RT: 5.56 min Scan# 1313  
Delta R.T. 0.00 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

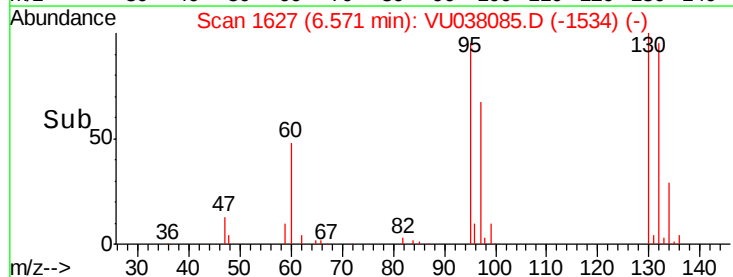
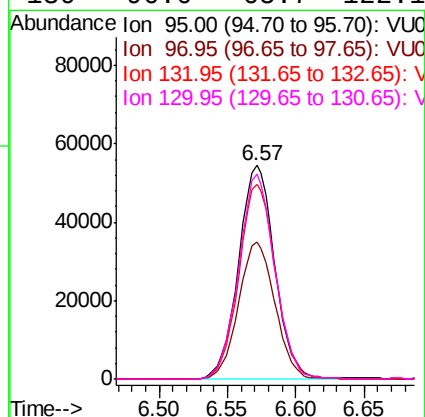
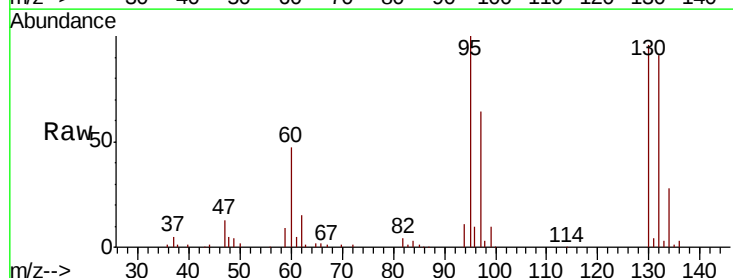
Instrument :  
MSVOA\_U  
ClientSampleId :

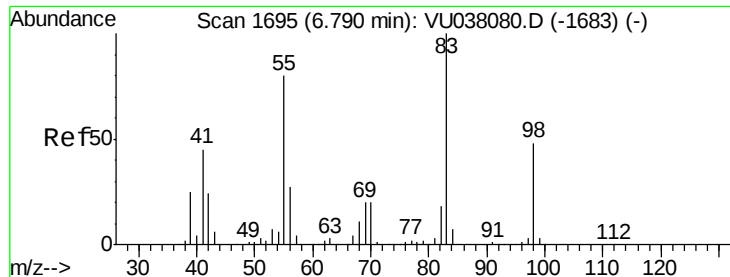
Tot Ion:117 Resp: 2715  
Ion Ratio Lower Upper  
117 100  
119 107.1 75.4 113.2



#34  
Trichloroethene  
Concen: 3.465 ug/L  
RT: 6.57 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

Tgt Ion: 95 Resp: 100212  
Ion Ratio Lower Upper  
95 100  
97 64.4 44.9 83.3  
132 91.2 63.3 117.5  
130 96.0 65.7 122.1

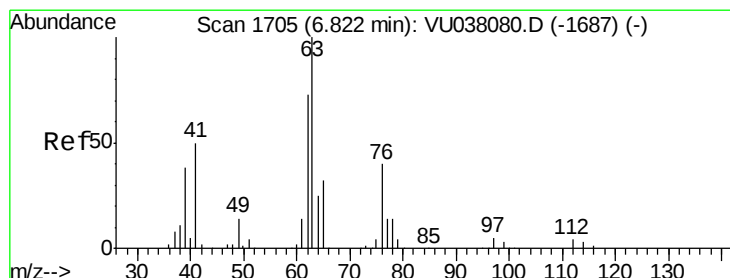
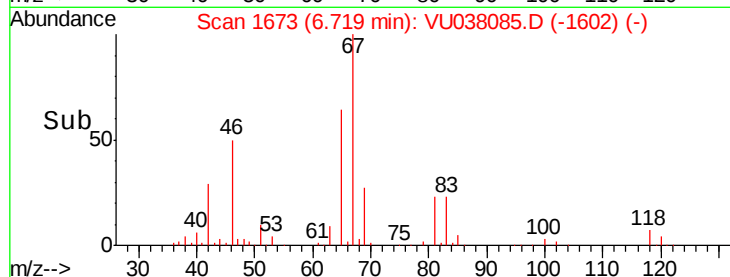
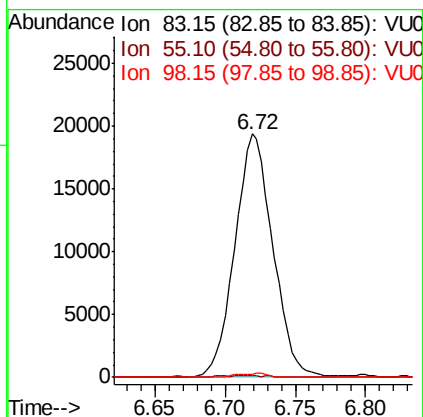
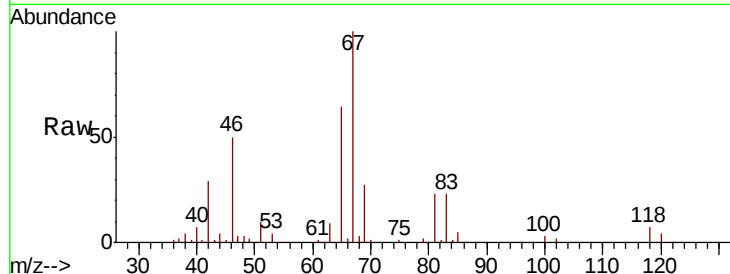




#35  
Methvlcvclohexane  
Concen: 0.781 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

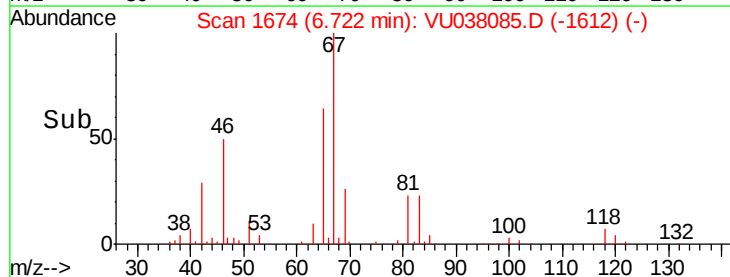
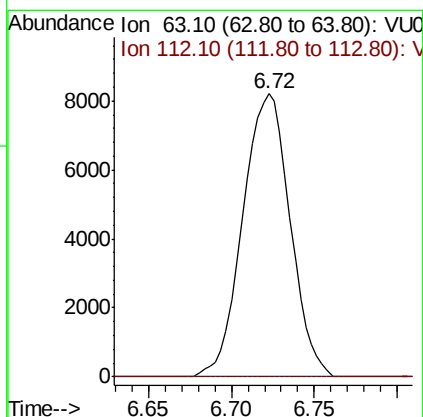
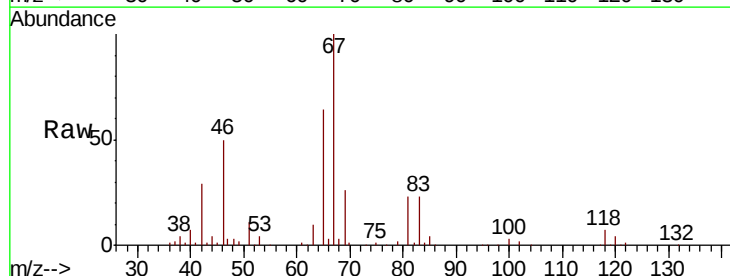
Instrument :  
MSVOA\_U  
ClientSampled :

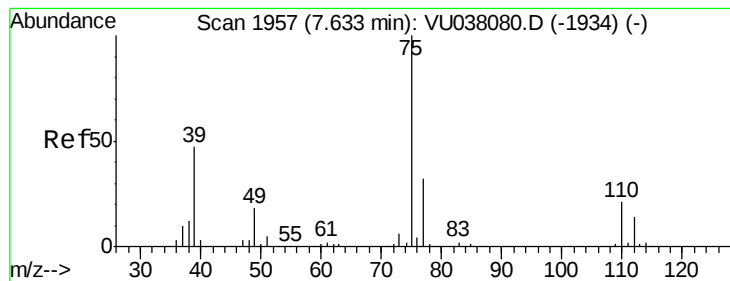
Tot Ion: 83 Resp: 36610  
Ion Ratio Lower Upper  
83 100  
55 0.1 66.7 100.1#  
98 1.3 39.4 59.2#



#37  
1,2-Dichloropropane  
Concen: 0.518 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

Tgt Ion: 63 Resp: 16262  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



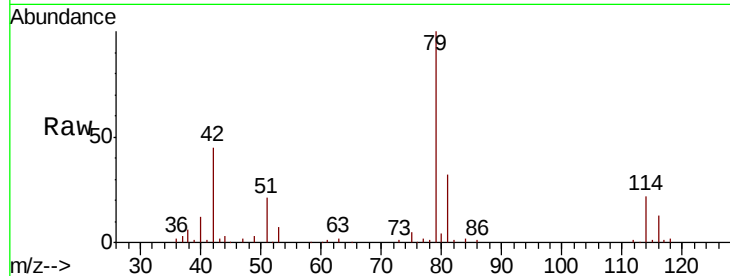


#39

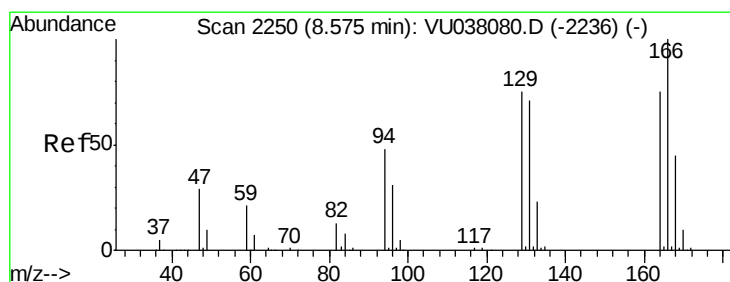
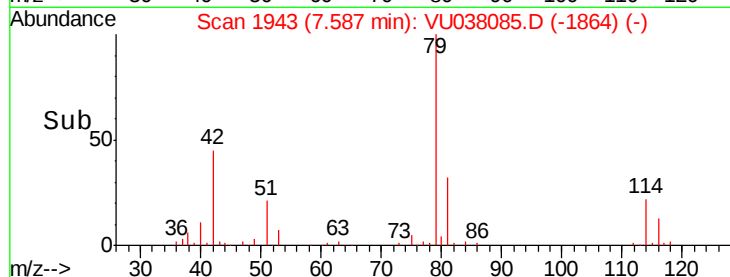
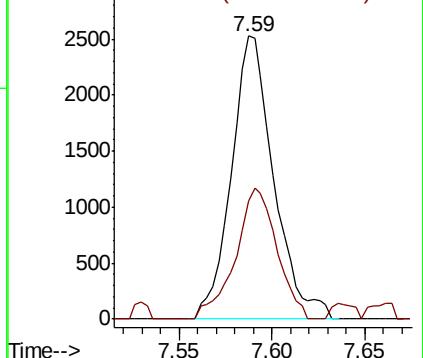
cis-1,3-Dichloropropene  
Concen: 0.089 ug/L  
RT: 7.59 min Scan# 1943  
Delta R.T. -0.05 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 75 Resp: 4003  
Ion Ratio Lower Upper  
75 100  
77 41.8 22.4 41.6#



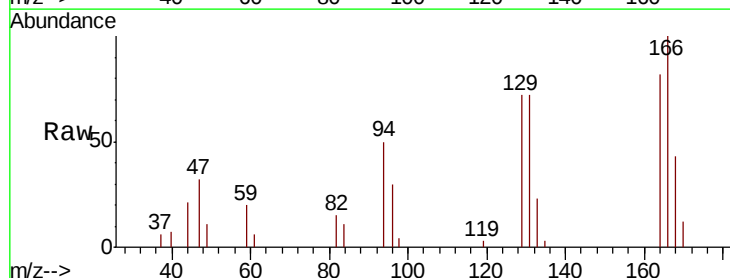
Abundance Ion 75.05 (74.75 to 75.75): VU038085.D (-1943) (-)  
Ion 77.05 (76.75 to 77.75): VU038085.D (-1943) (-)



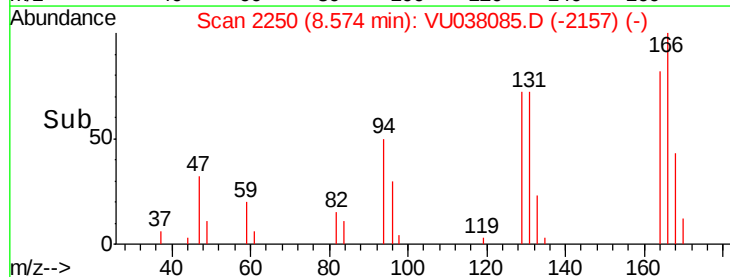
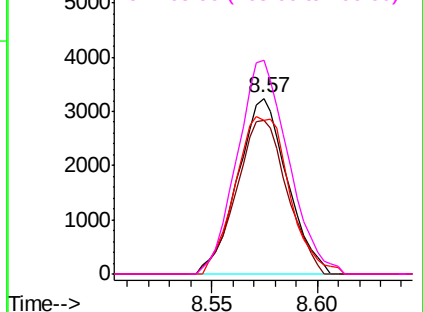
#47

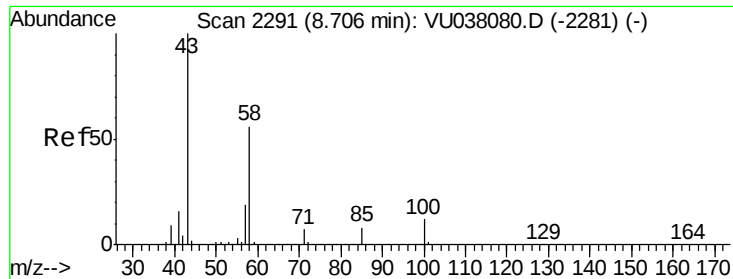
Tetrachloroethene  
Concen: 0.261 ug/L  
RT: 8.57 min Scan# 2250  
Delta R.T. -0.00 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

Tgt Ion: 164 Resp: 5286  
Ion Ratio Lower Upper  
164 100  
129 87.2 68.8 127.8  
131 87.6 66.8 124.2  
166 121.7 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): VU038085.D (-2250) (-)  
Ion 128.95 (128.65 to 129.65): VU038085.D (-2250) (-)  
Ion 130.95 (130.65 to 131.65): VU038085.D (-2250) (-)  
Ion 165.90 (165.60 to 166.60): VU038085.D (-2250) (-)

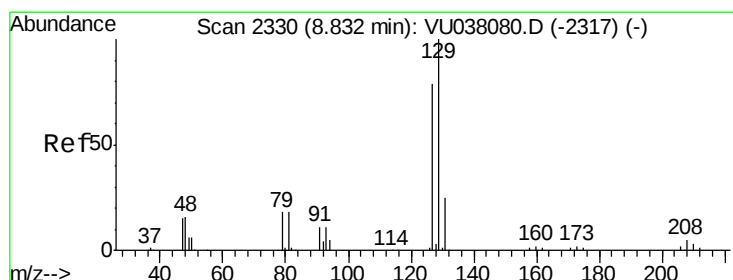
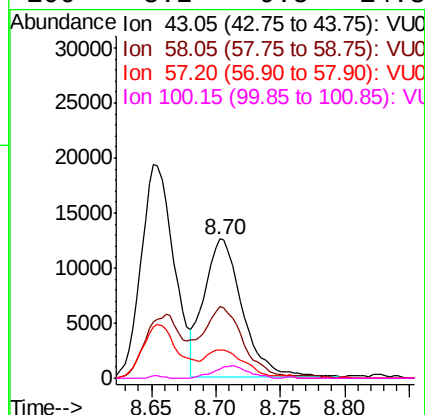
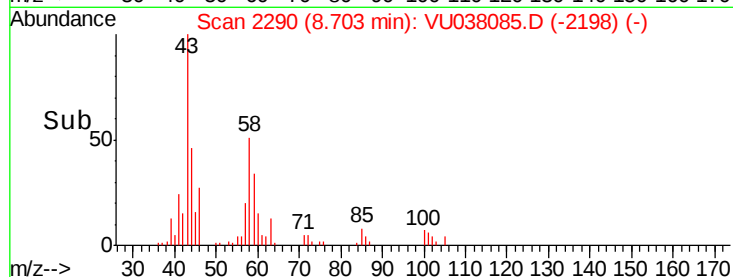
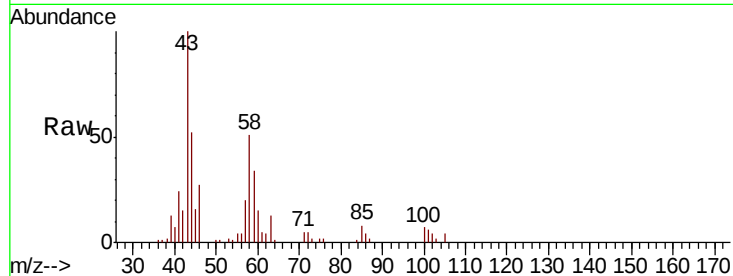




#48  
2-Hexanone  
Concen: 1.626 ug/L  
RT: 8.70 min Scan# 2290  
Delta R.T. -0.00 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

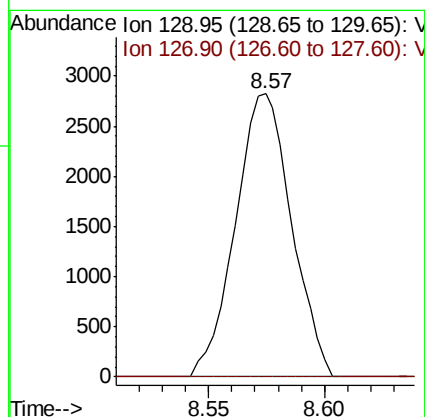
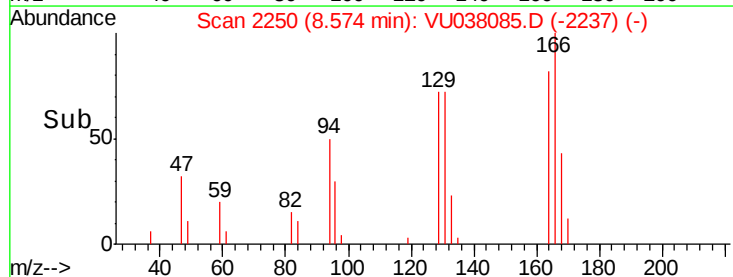
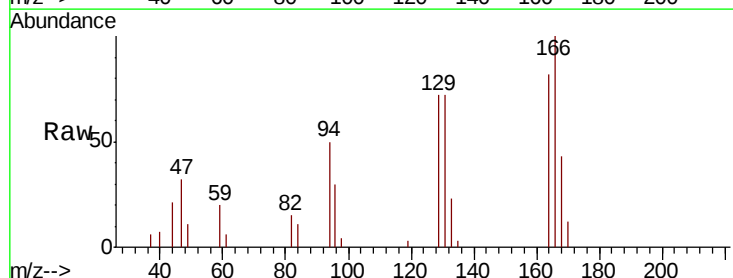
Instrument :  
MSVOA\_U  
ClientSampled :

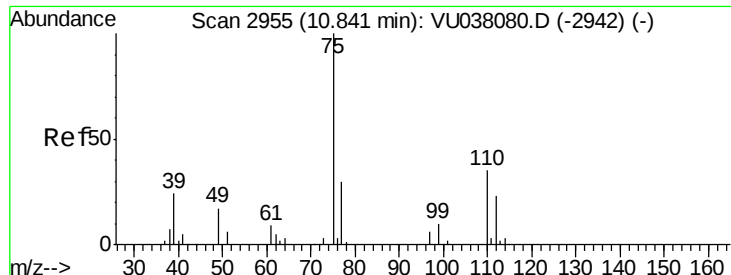
Tot Ion: 43 Resp: 25920  
Ion Ratio Lower Upper  
43 100  
58 51.9 45.2 67.8  
57 20.7 15.5 23.3  
100 8.2 9.5 14.3#



#49  
Dibromochloromethane  
Concen: 0.209 ug/L  
RT: 8.57 min Scan# 2250  
Delta R.T. -0.26 min  
Lab File: VU038085.D  
Acq: 08 May 2020 15:52

Tgt Ion: 129 Resp: 4732  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 1.055 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038085.D

Acq: 08 May 2020 15:52

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 22243

Ion Ratio Lower Upper

75 100

77 35.9 25.4 38.0

