

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121020\  
 Data File : VU041566.D  
 Acq On : 11 Dec 2020 03:48  
 Operator : SY/MD  
 Sample : L5027-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB1H7

Quant Time: Dec 11 07:36:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Dec 11 07:33:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 36971    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 31838    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 16506    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 8549     | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 8397     | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 16078    | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.00%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 24151    | 33.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 67.84%  |
| 24) Chloroform-d               | 5.08   | 84    | 23245    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 16636    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 32) Benzene-d6                 | 5.74   | 84    | 35045    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 8835     | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 85.20%  |
| 41) Toluene-d8                 | 7.91   | 98    | 34268    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 5422     | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 18718    | 36.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 73.20%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 9319     | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 81.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 15684    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.20% |

## Target Compounds

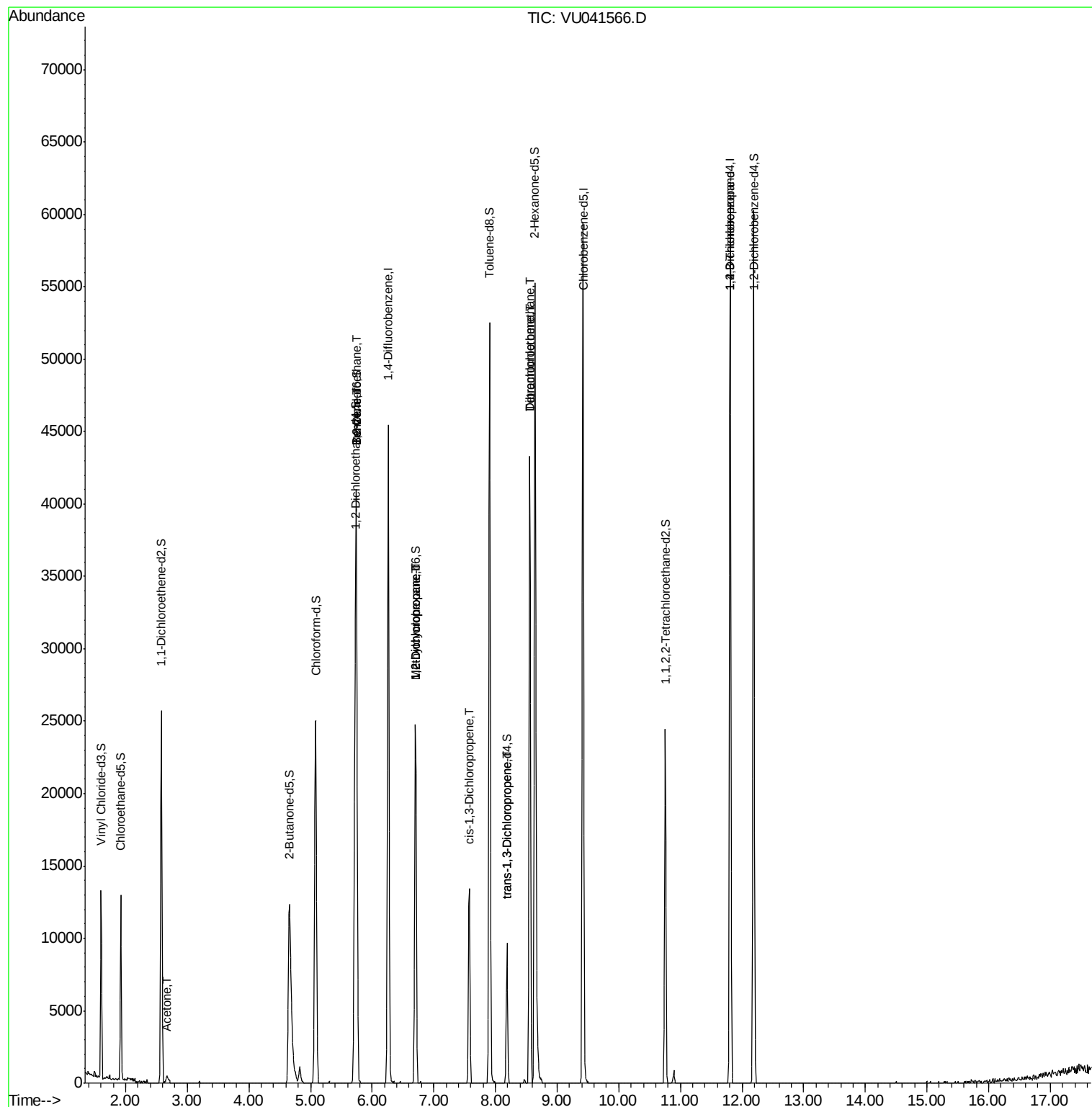
| Target Compounds              | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|-------|------|----------|-------|--------|--------|
| 13) Acetone                   | 2.66  | 43   | 629      | 1.135 | ug/L   | 71     |
| 27) 1,2-Dichloroethane        | 5.74  | 62   | 189      | 0.047 | ug/L # | 79     |
| 33) Benzene                   | 5.74  | 78   | 315      | 0.040 | ug/L   | 100    |
| 35) Methylcyclohexane         | 6.70  | 83   | 2862     | 0.882 | ug/L # | 17     |
| 37) 1,2-Dichloropropane       | 6.71  | 63   | 1562     | 0.846 | ug/L # | 84     |
| 39) cis-1,3-Dichloropropene   | 7.58  | 75   | 369      | 0.111 | ug/L # | 40     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75   | 299      | 0.090 | ug/L # | 42     |
| 47) Tetrachloroethene         | 8.56  | 164  | 9328     | 4.965 | ug/L   | 97     |
| 49) Dibromochloromethane      | 8.56  | 129  | 8791     | 3.623 | ug/L # | 12     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 1366     | 0.762 | ug/L # | 80     |

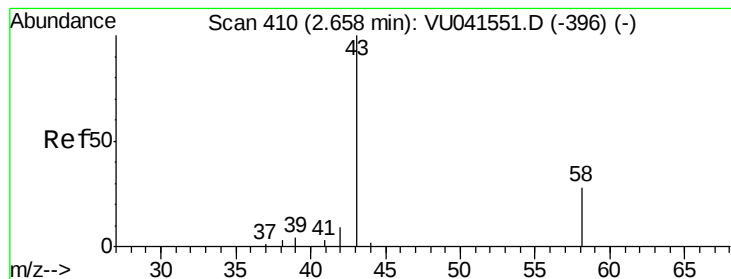
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L5027-06  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB1H7

Quant Time: Dec 11 07:36:27 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120420WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Dec 11 07:33:47 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.135 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041566.D

Acq: 11 Dec 2020 03:48

Instrument :

MSVOA\_U

ClientSampleId :

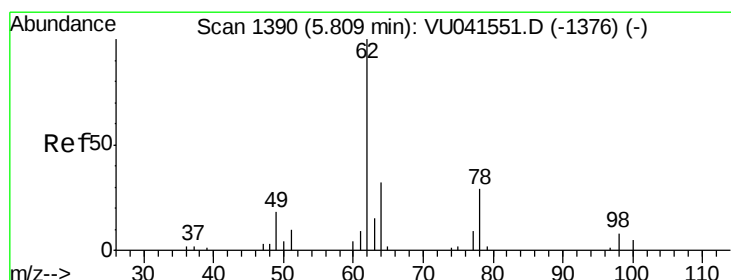
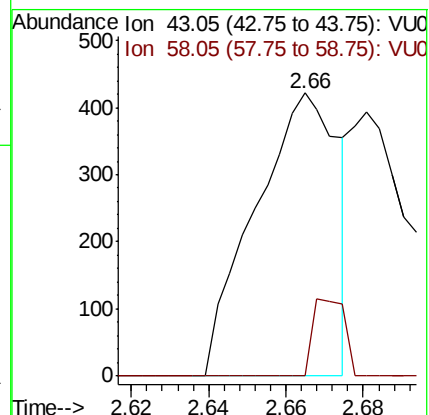
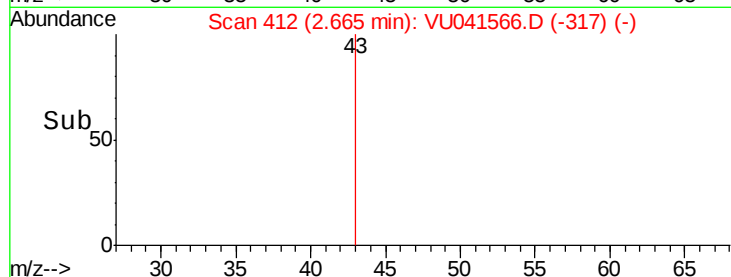
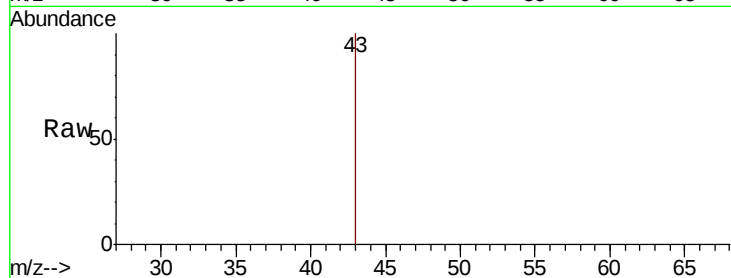
GB1H7

Tot Ion: 43 Resp: 629

Ion Ratio Lower Upper

43 100

58 10.3 0.0 50.0



#27

1,2-Dichloroethane

Concen: 0.047 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU041566.D

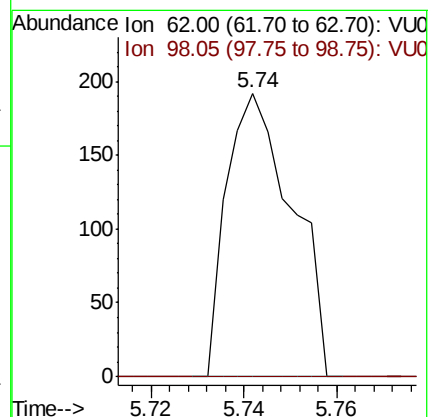
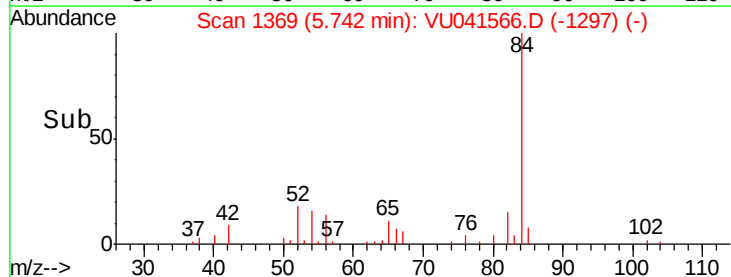
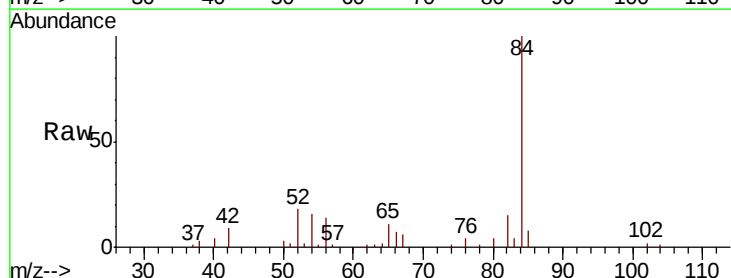
Acq: 11 Dec 2020 03:48

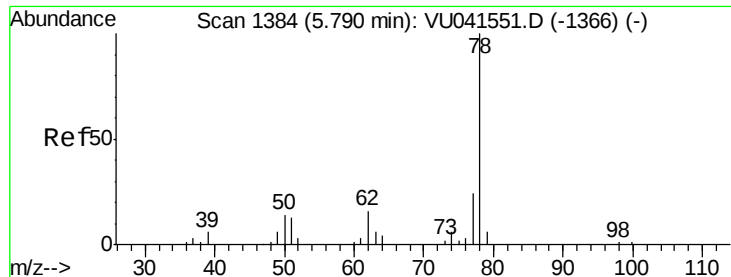
Tgt Ion: 62 Resp: 189

Ion Ratio Lower Upper

62 100

98 0.0 5.7 8.5#

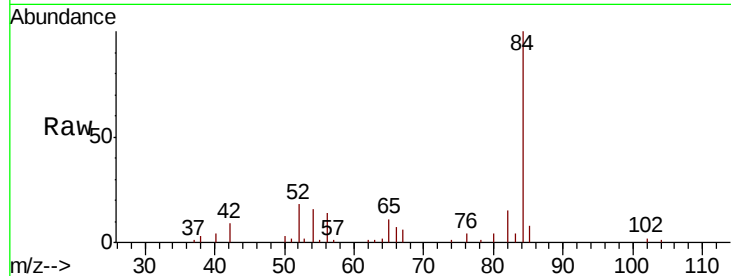




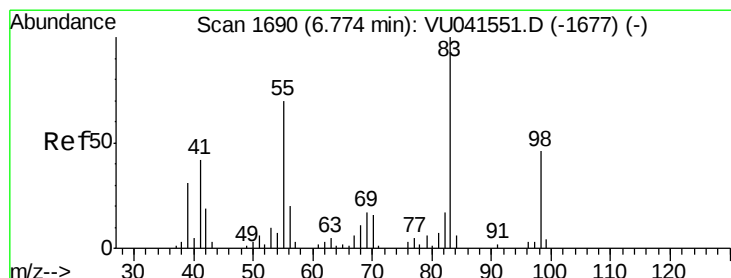
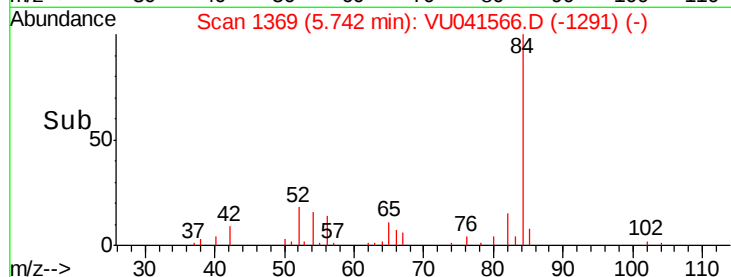
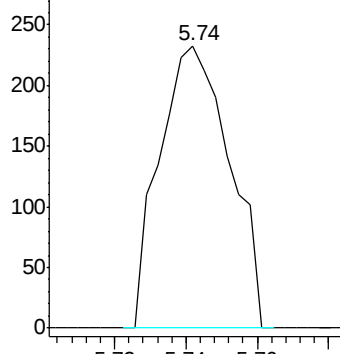
#33  
Benzene  
Concen: 0.040 ug/L  
RT: 5.74 min Scan# 1369  
Delta R.T. -0.05 min  
Lab File: VU041566.D  
Acq: 11 Dec 2020 03:48

Instrument :  
MSVOA\_U  
ClientSampled :  
GB1H7

Tgt Ion: 78 Resp: 315

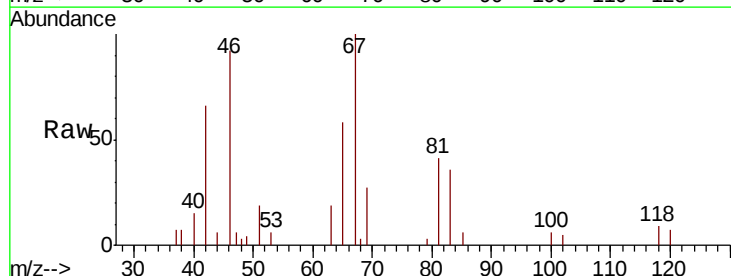


Abundance Ion 78.10 (77.80 to 78.80): VU0



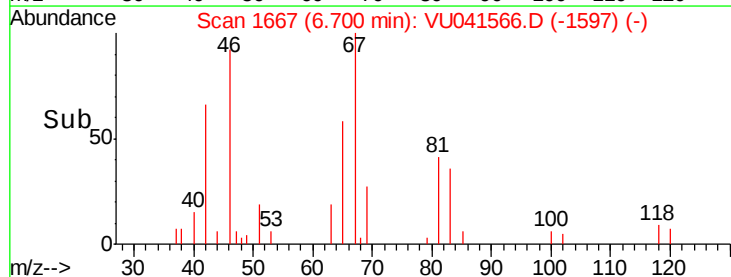
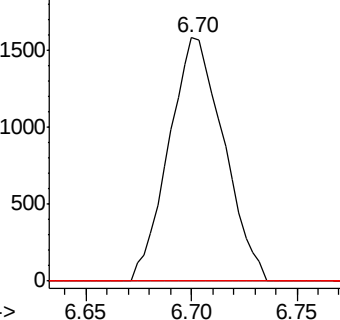
#35  
Methylcyclohexane  
Concen: 0.882 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.07 min  
Lab File: VU041566.D  
Acq: 11 Dec 2020 03:48

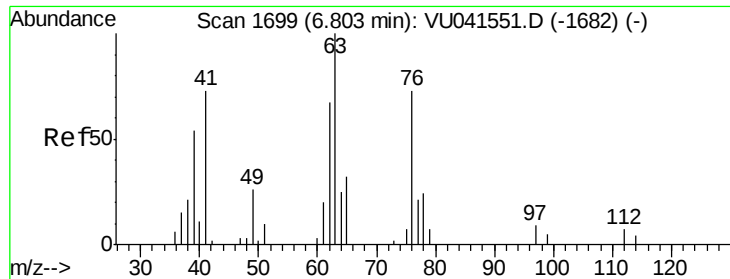
Tgt Ion: 83 Resp: 2862  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.1 93.1#  
98 0.0 38.7 58.1#



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

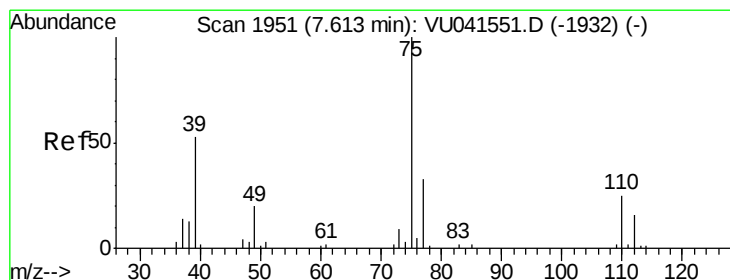
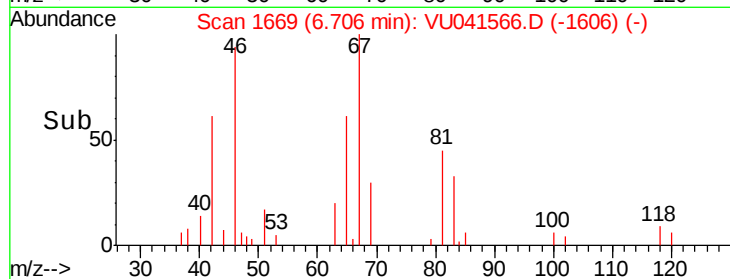
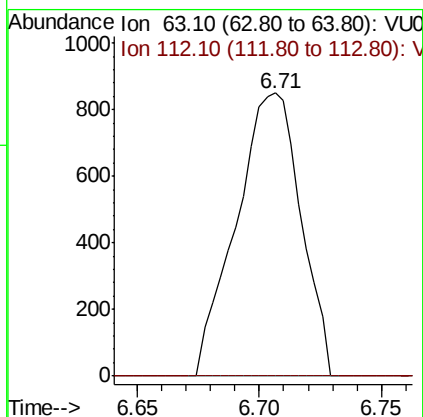
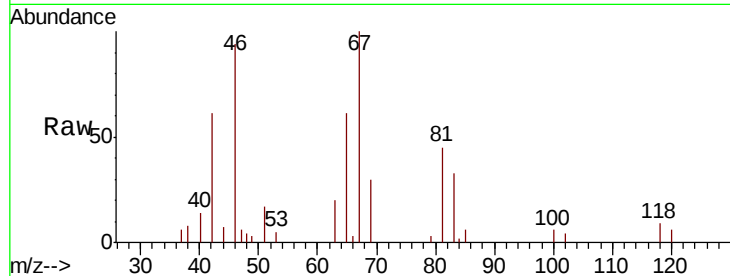




#37  
 1,2-Dichloropropane  
 Concen: 0.846 ug/L  
 RT: 6.71 min Scan# 1669  
 Delta R.T. -0.10 min  
 Lab File: VU041566.D  
 Acq: 11 Dec 2020 03:48

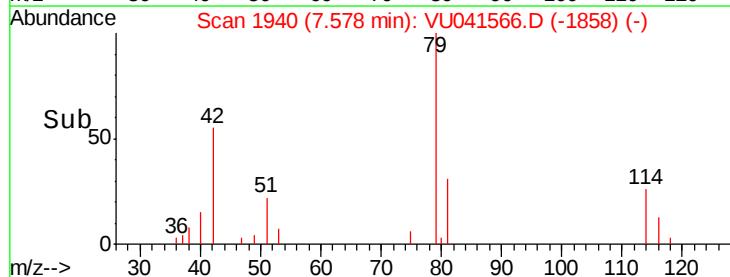
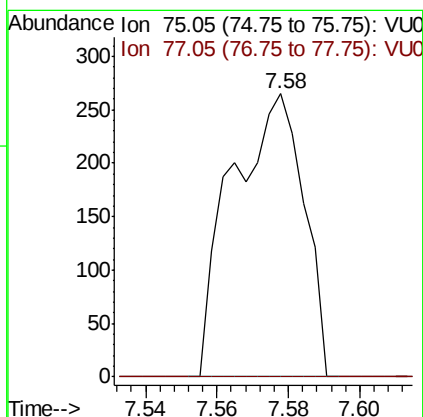
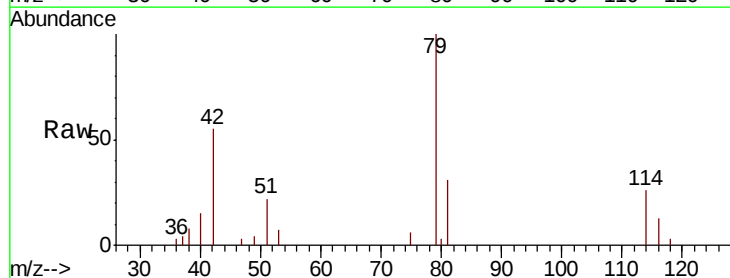
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 GB1H7

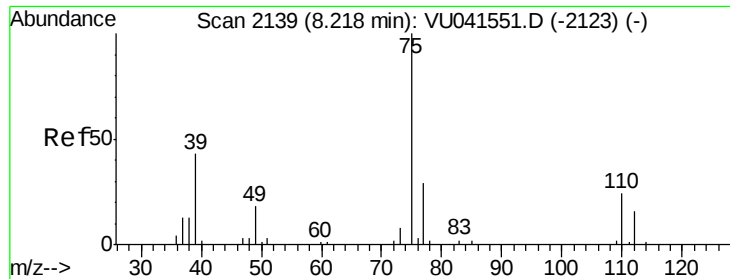
Tot Ion: 63 Resp: 1562  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.2 6.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.111 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU041566.D  
 Acq: 11 Dec 2020 03:48

Tgt Ion: 75 Resp: 369  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.0 44.6#





#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041566.D

Acq: 11 Dec 2020 03:48

Instrument :

MSVOA\_U

ClientSampleId :

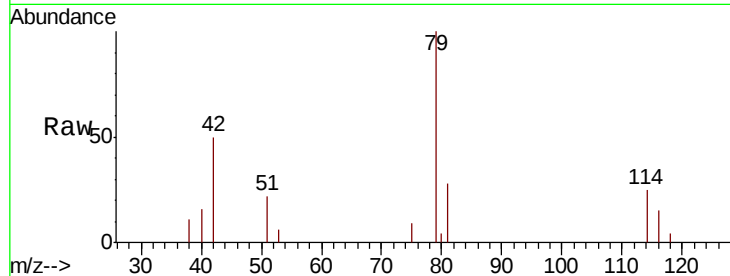
GB1H7

Tot Ion: 75 Resp: 299

Ion Ratio Lower Upper

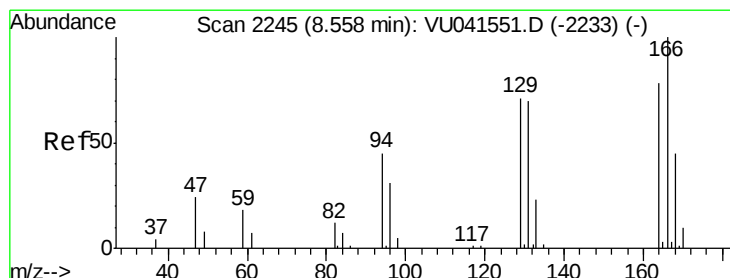
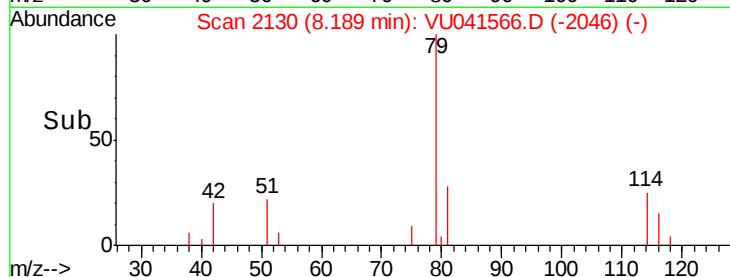
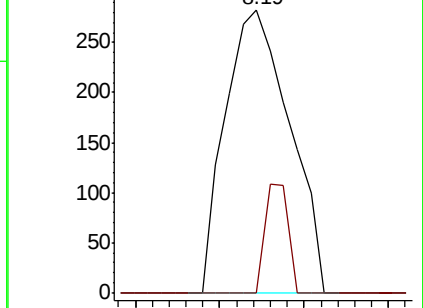
75 100

77 0.0 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041551.D (-2123) (-)

Ion 77.05 (76.75 to 77.75): VU041551.D (-2123) (-)



#47

Tetrachloroethene

Concen: 4.965 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041566.D

Acq: 11 Dec 2020 03:48

Tgt Ion:164 Resp: 9328

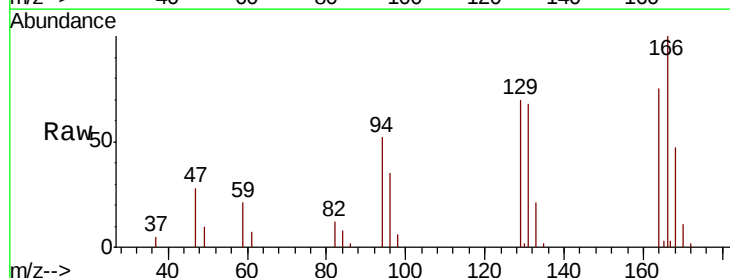
Ion Ratio Lower Upper

164 100

129 94.0 67.1 124.7

131 90.9 63.3 117.7

166 133.5 88.8 164.8

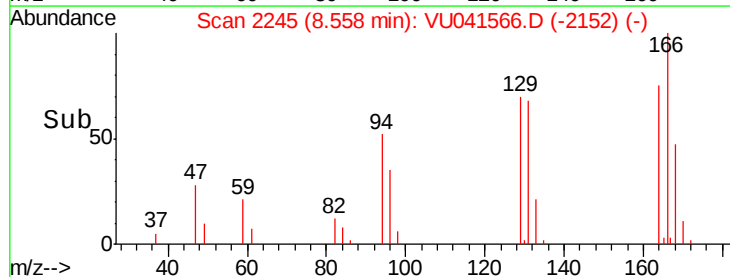
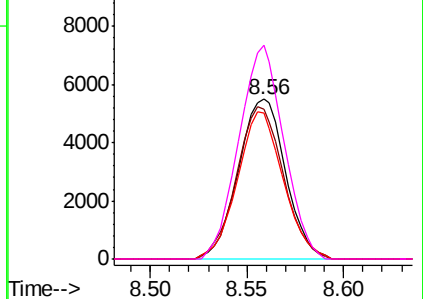


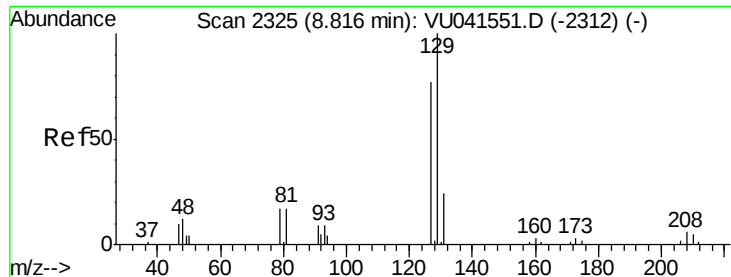
Abundance Ion 163.90 (163.60 to 164.60): VU041551.D (-2233) (-)

Ion 128.95 (128.65 to 129.65): VU041551.D (-2233) (-)

Ion 130.95 (130.65 to 131.65): VU041551.D (-2233) (-)

Ion 165.90 (165.60 to 166.60): VU041551.D (-2233) (-)





#49

Dibromochloromethane

Concen: 3.623 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041566.D

Acq: 11 Dec 2020 03:48

Instrument :

MSVOA\_U

ClientSampleId :

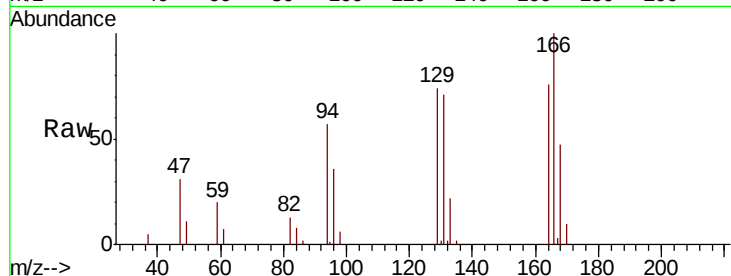
GB1H7

Tot Ion:129 Resp: 8791

Ion Ratio Lower Upper

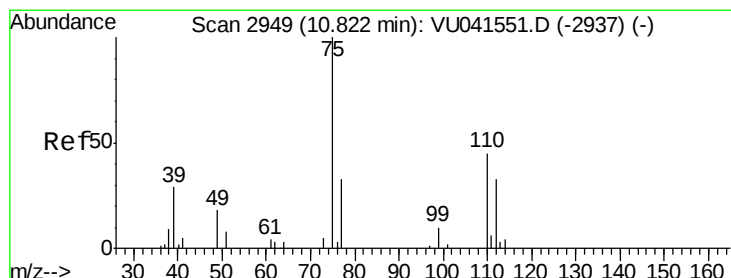
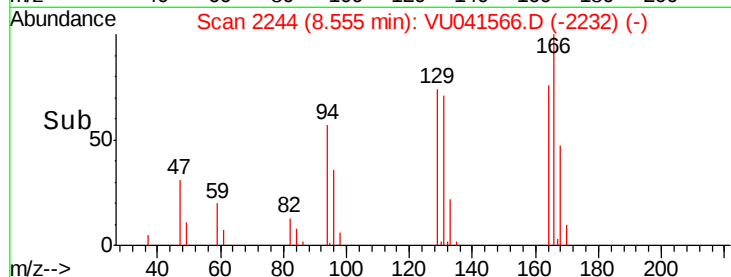
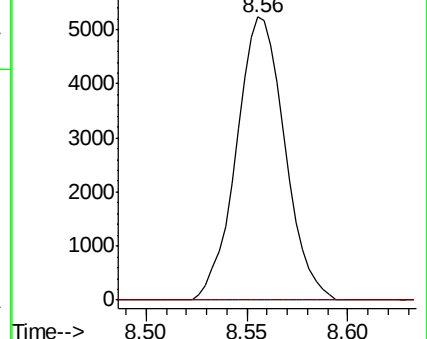
129 100

127 0.0 52.4 97.2#



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: 0.762 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU041566.D

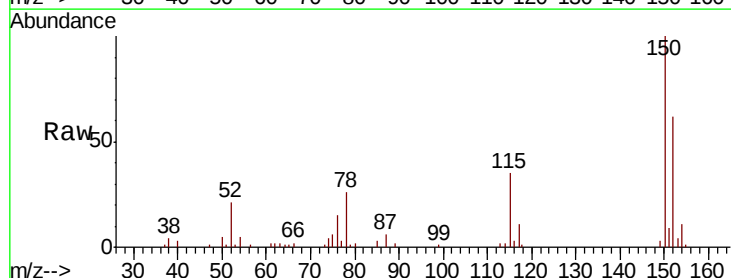
Acq: 11 Dec 2020 03:48

Tgt Ion: 75 Resp: 1366

Ion Ratio Lower Upper

75 100

77 43.9 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

