

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\  
 Data File : VU041043.D  
 Acq On : 02 Nov 2020 12:11  
 Operator : SY/MD  
 Sample : VU1102WBL01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK13

Quant Time: Nov 03 00:47:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 03 00:40:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 52427    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 53360    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 23106    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 20763    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 15749    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 30259    | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.00%  |
| 20) 2-Butanone-d5              | 4.64   | 46    | 85612    | 59.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 118.06% |
| 24) Chloroform-d               | 5.08   | 84    | 37742    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 25376    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 68744    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 24454    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.20% |
| 41) Toluene-d8                 | 7.90   | 98    | 57815    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 9977     | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 60664    | 55.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 111.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 22903    | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 22028    | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.60% |

## Target Compounds

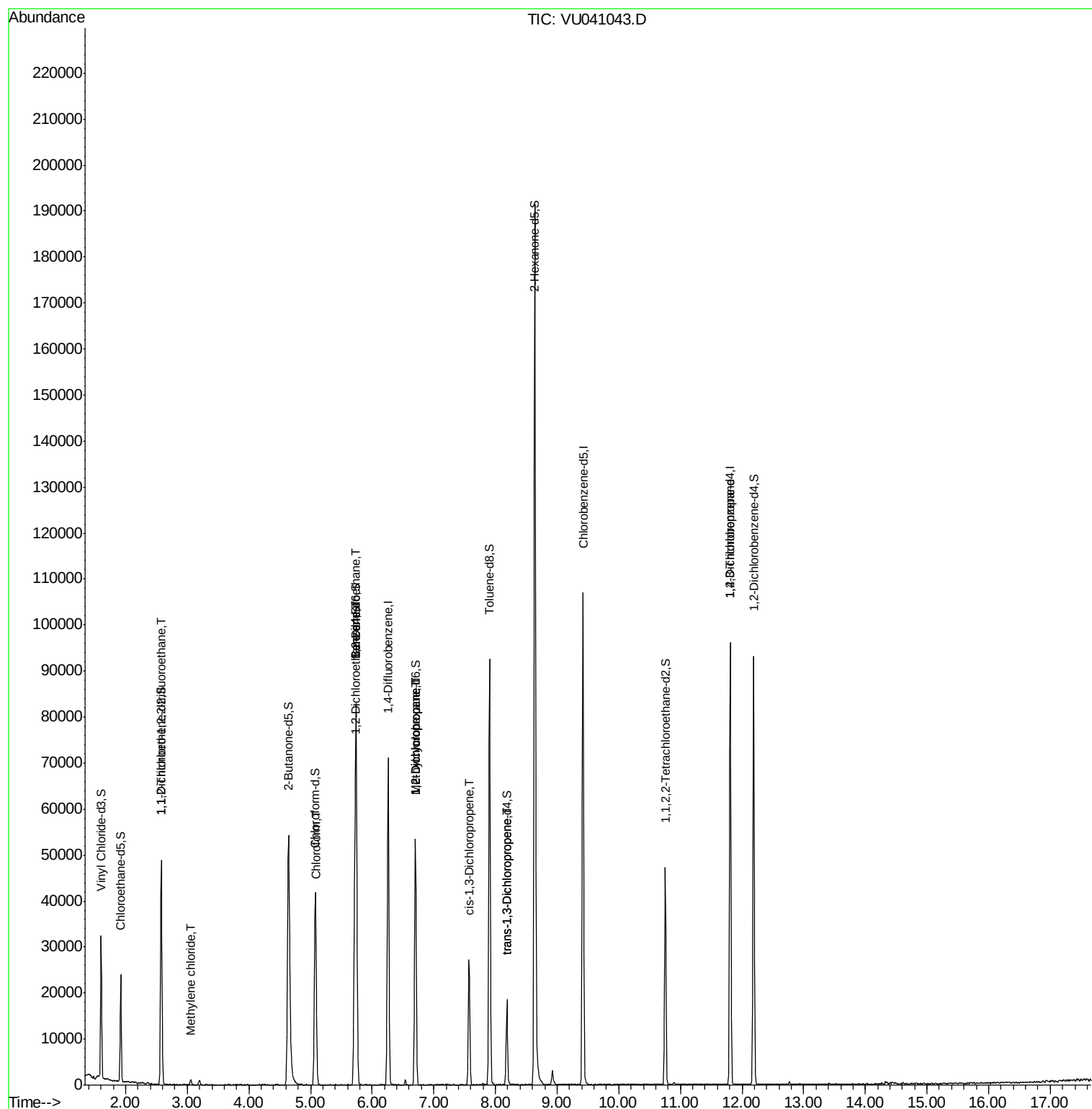
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.58  | 101  | 175      | 0.045 | ug/L # | 22     |
| 16) Methylene chloride         | 3.06  | 84   | 519      | 0.120 | ug/L # | 71     |
| 25) Chloroform                 | 5.10  | 83   | 673      | 0.089 | ug/L   | 95     |
| 27) 1,2-Dichloroethane         | 5.73  | 62   | 201      | 0.036 | ug/L # | 74     |
| 33) Benzene                    | 5.74  | 78   | 460      | 0.029 | ug/L   | 100    |
| 35) Methylcyclohexane          | 6.70  | 83   | 5349     | 0.884 | ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.70  | 63   | 2609     | 0.605 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene    | 7.58  | 75   | 675      | 0.114 | ug/L # | 61     |
| 44) trans-1,3-Dichloropropene  | 8.19  | 75   | 458      | 0.082 | ug/L   | 99     |
| 59) 1,2,3-Trichloropropane     | 11.81 | 75   | 3204     | 0.996 | ug/L   | 95     |

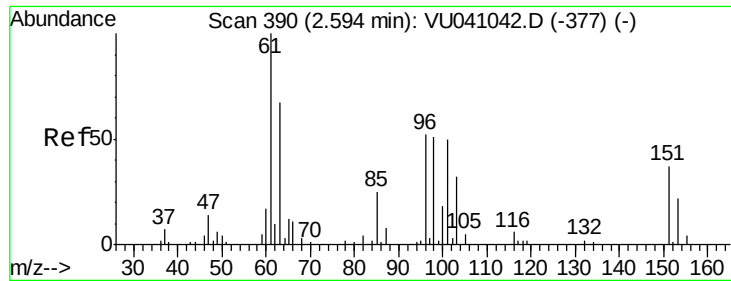
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110220\  
Data File : VU041043.D  
Acq On : 02 Nov 2020 12:11  
Operator : SY/MD  
Sample : VU1102WBL01  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK13

Quant Time: Nov 03 00:47:53 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Nov 03 00:40:40 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.045 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041043.D

Acq: 02 Nov 2020 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VBLK13

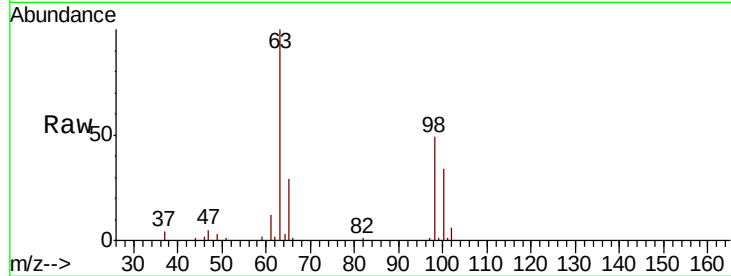
Tot Ion:101 Resp: 175

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

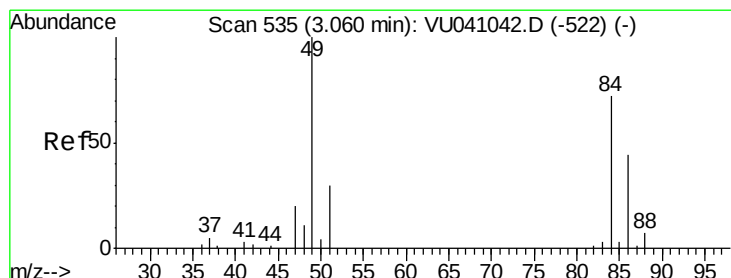
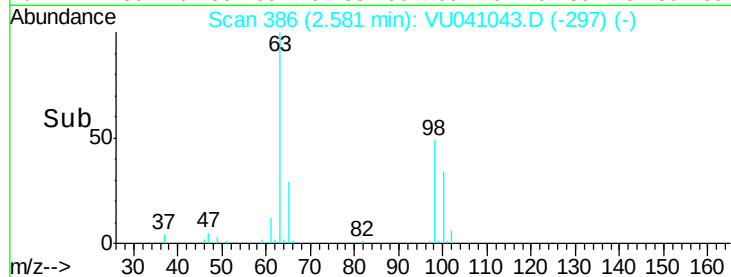
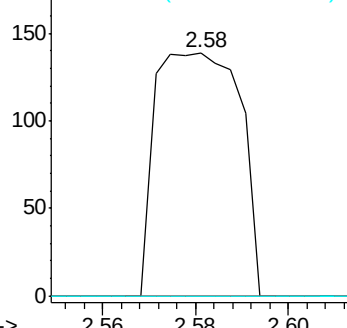
151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 0.120 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041043.D

Acq: 02 Nov 2020 12:11

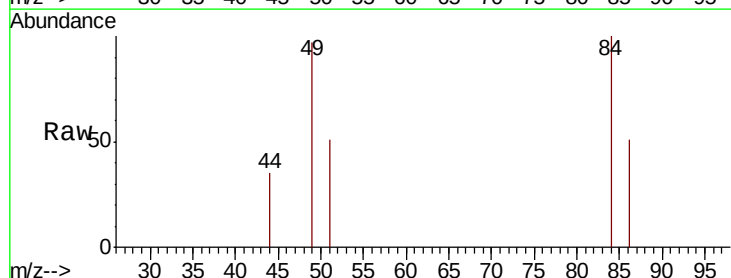
Tgt Ion: 84 Resp: 519

Ion Ratio Lower Upper

84 100

86 51.3 42.8 79.6

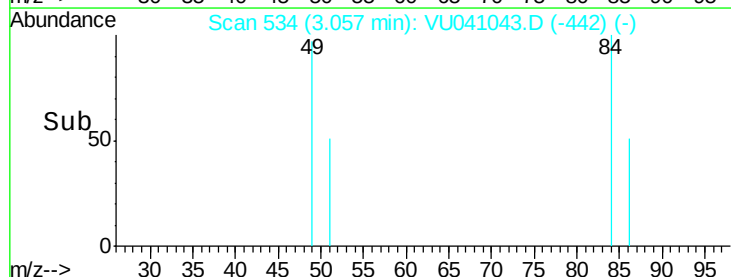
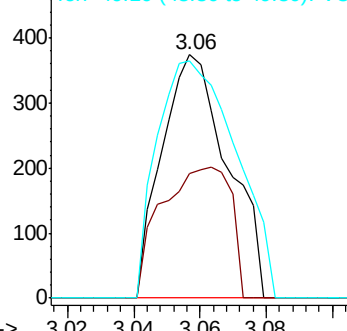
49 97.3 99.5 184.7#

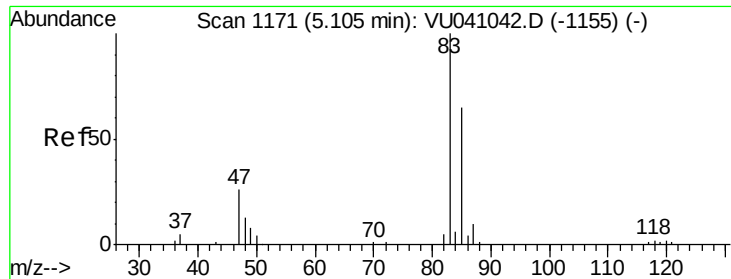


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

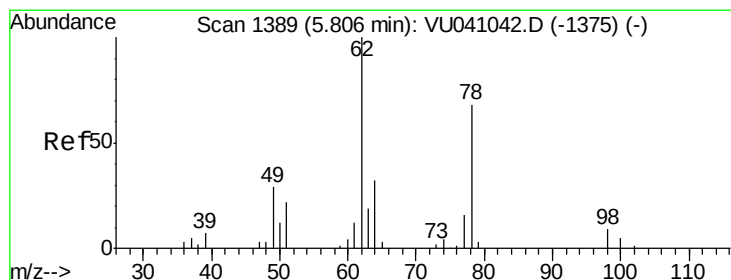
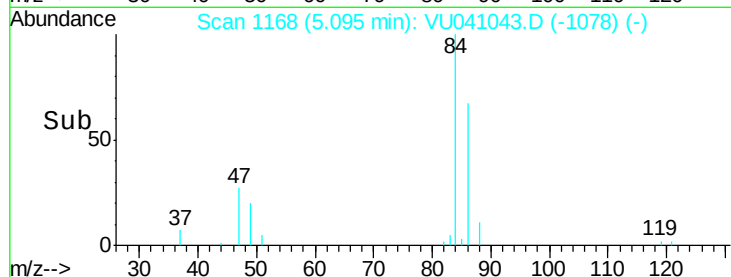
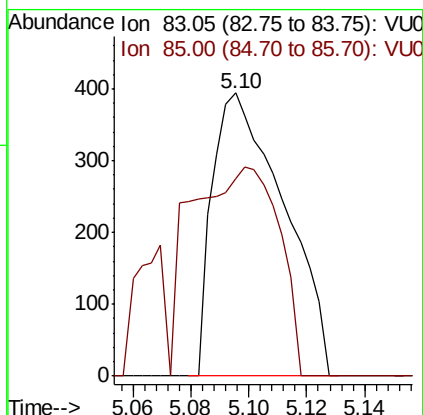
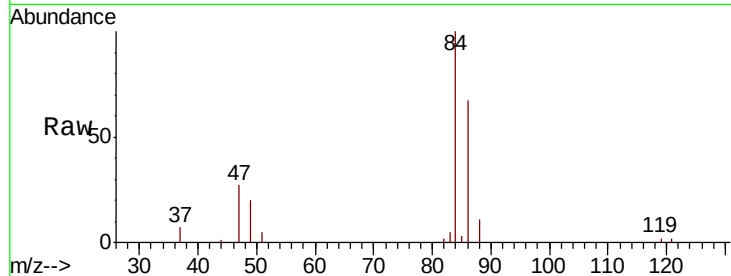




#25  
Chloroform  
Concen: 0.089 ug/L  
RT: 5.10 min Scan# 1168  
Delta R.T. -0.01 min  
Lab File: VU041043.D  
Acq: 02 Nov 2020 12:11

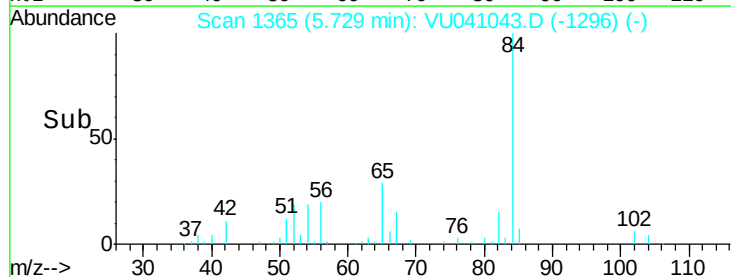
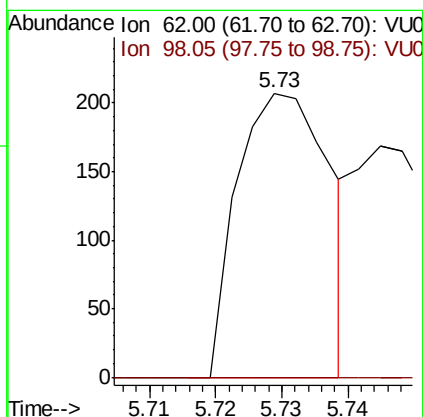
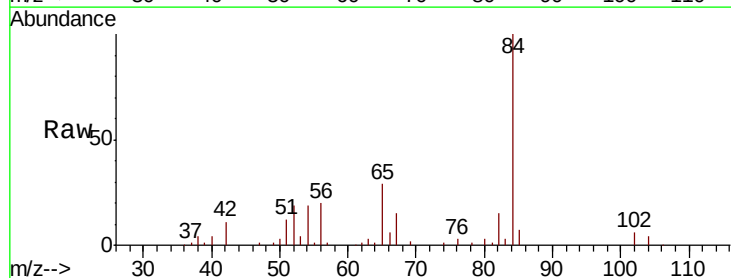
Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK13

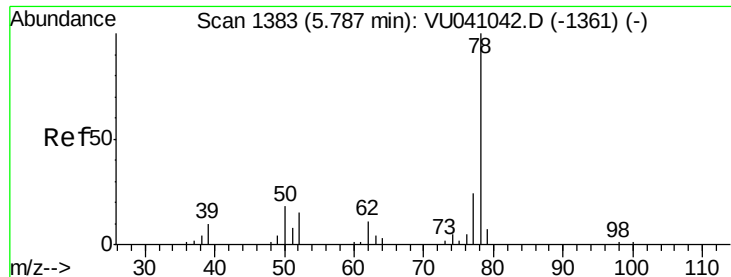
Tot Ion: 83 Resp: 673  
Ion Ratio Lower Upper  
83 100  
85 70.1 46.1 85.7



#27  
1,2-Dichloroethane  
Concen: 0.036 ug/L  
RT: 5.73 min Scan# 1365  
Delta R.T. -0.08 min  
Lab File: VU041043.D  
Acq: 02 Nov 2020 12:11

Tgt Ion: 62 Resp: 201  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.6 11.4#

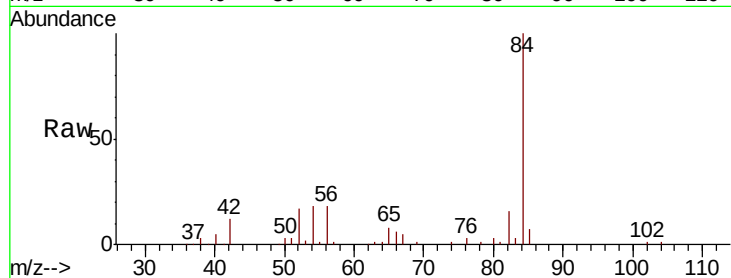




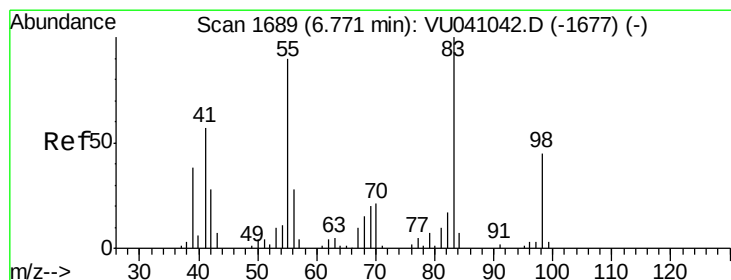
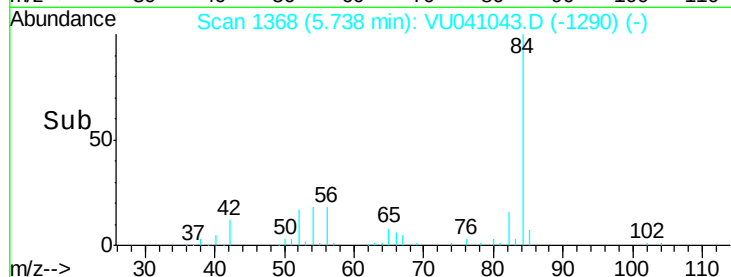
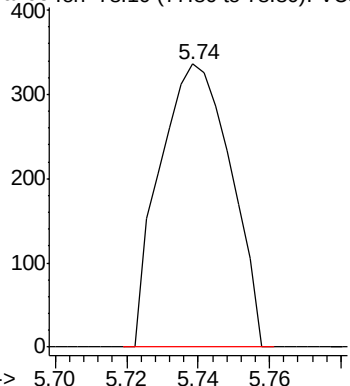
#33  
Benzene  
Concen: 0.029 ug/L  
RT: 5.74 min Scan# 1368  
Delta R.T. -0.05 min  
Lab File: VU041043.D  
Acq: 02 Nov 2020 12:11

Instrument :  
MSVOA\_U  
ClientSampled :  
VBLK13

Tgt Ion: 78 Resp: 460

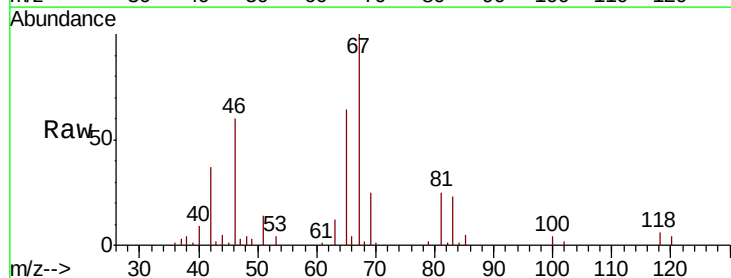


Abundance Ion 78.10 (77.80 to 78.80): VU0



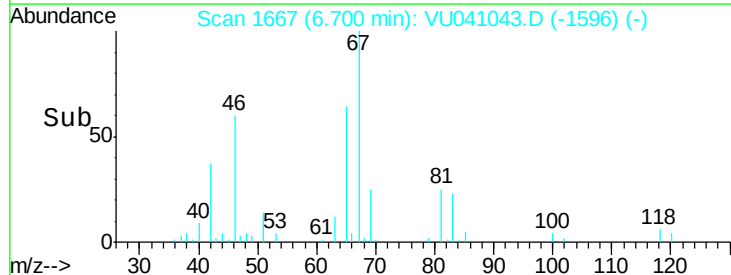
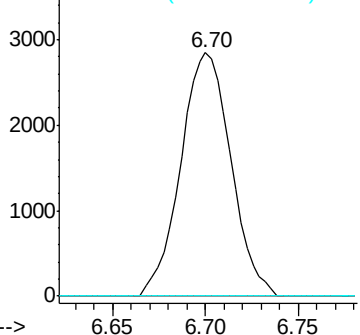
#35  
Methylcyclohexane  
Concen: 0.884 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.07 min  
Lab File: VU041043.D  
Acq: 02 Nov 2020 12:11

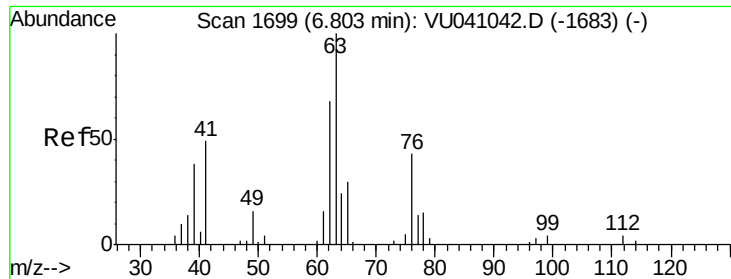
Tgt Ion: 83 Resp: 5349  
Ion Ratio Lower Upper  
83 100  
55 0.0 72.0 108.0#  
98 1.8 36.6 55.0#



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

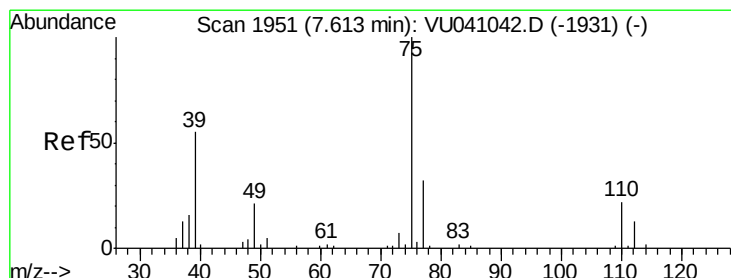
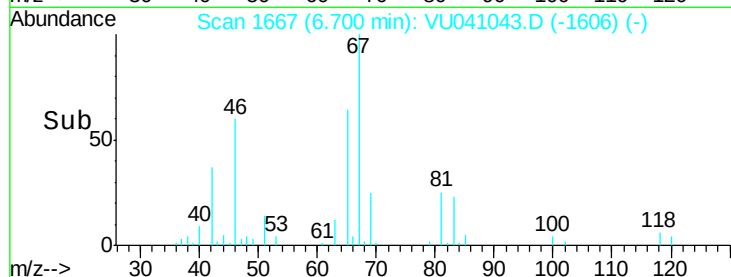
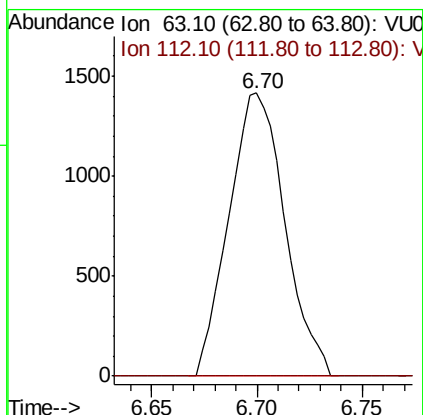
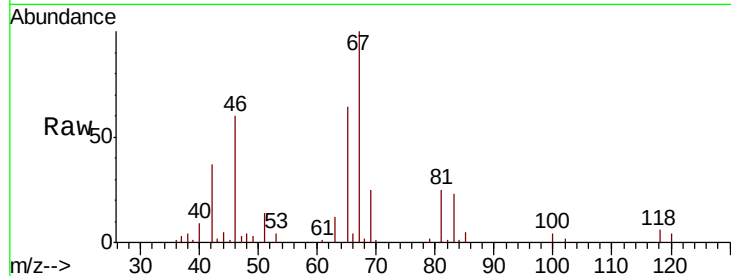




#37  
 1,2-Dichloropropane  
 Concen: 0.605 ug/L  
 RT: 6.70 min Scan# 1667  
 Delta R.T. -0.10 min  
 Lab File: VU041043.D  
 Acq: 02 Nov 2020 12:11

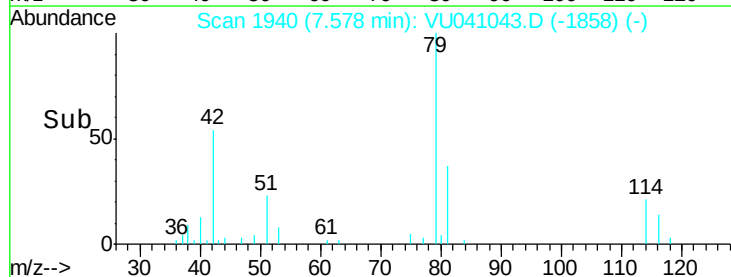
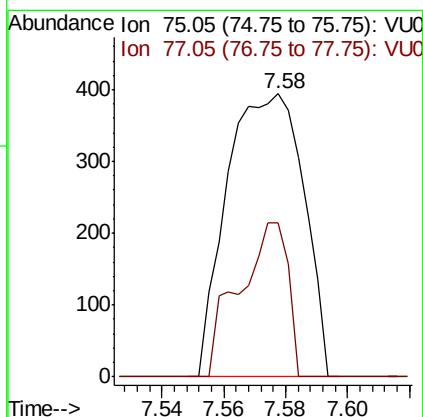
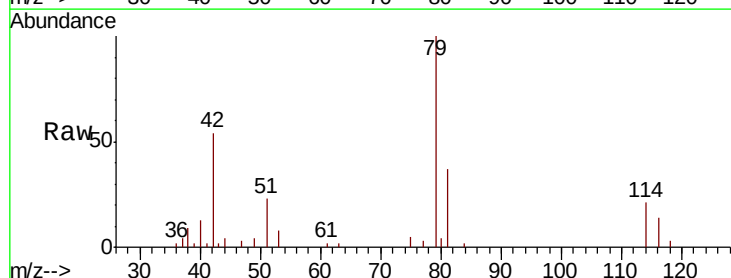
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK13

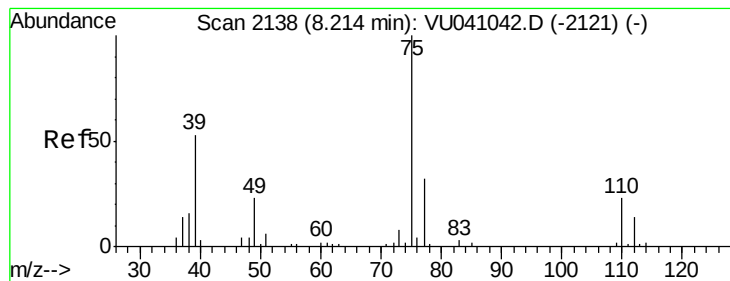
Tot Ion: 63 Resp: 2609  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.6 5.4#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.114 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU041043.D  
 Acq: 02 Nov 2020 12:11

Tgt Ion: 75 Resp: 675  
 Ion Ratio Lower Upper  
 75 100  
 77 54.3 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041043.D

Acq: 02 Nov 2020 12:11

Instrument :

MSVOA\_U

ClientSampled :

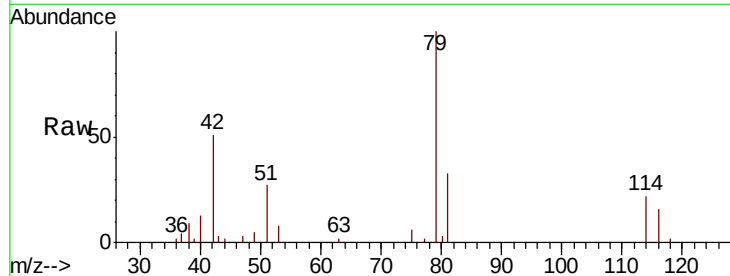
VBLK13

Tot Ion: 75 Resp: 458

Ion Ratio Lower Upper

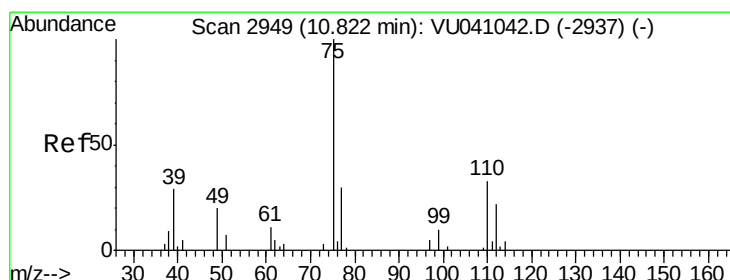
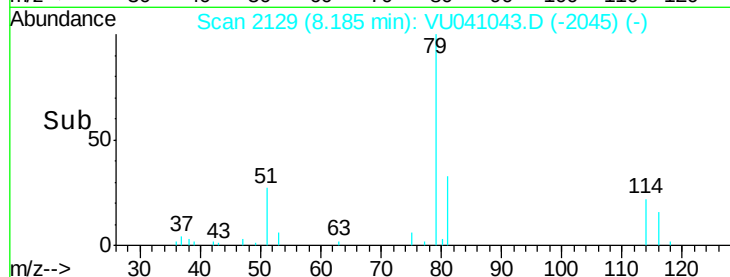
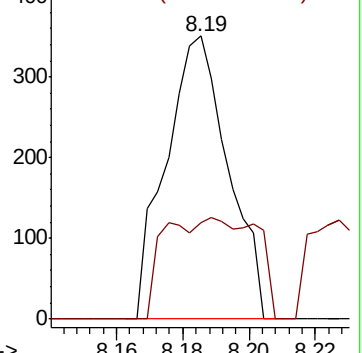
75 100

77 33.9 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.996 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041043.D

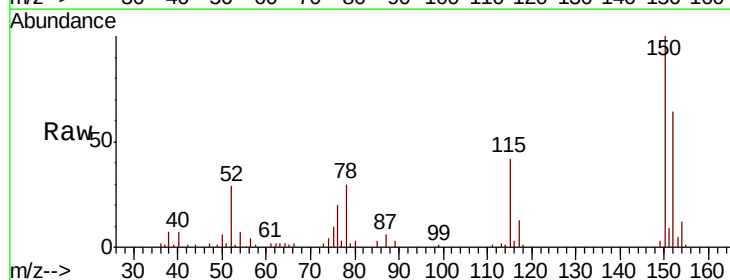
Acq: 02 Nov 2020 12:11

Tgt Ion: 75 Resp: 3204

Ion Ratio Lower Upper

75 100

77 35.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

