

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121020\  
 Data File : VU041542.D  
 Acq On : 10 Dec 2020 17:49  
 Operator : SY/MD  
 Sample : L5023-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AT6

Quant Time: Dec 11 06:08:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Dec 11 06:06:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 40609    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 39252    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 18620    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 7414     | 3.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 71.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 8614     | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 15293    | 3.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.60%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 36629    | 46.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.66%  |
| 24) Chloroform-d               | 5.08   | 84    | 29465    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.20% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 20279    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.80% |
| 32) Benzene-d6                 | 5.74   | 84    | 42527    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 11606    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.80%  |
| 41) Toluene-d8                 | 7.91   | 98    | 37885    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 7180     | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 26762    | 42.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 12505    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 16772    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.40% |

## Target Compounds

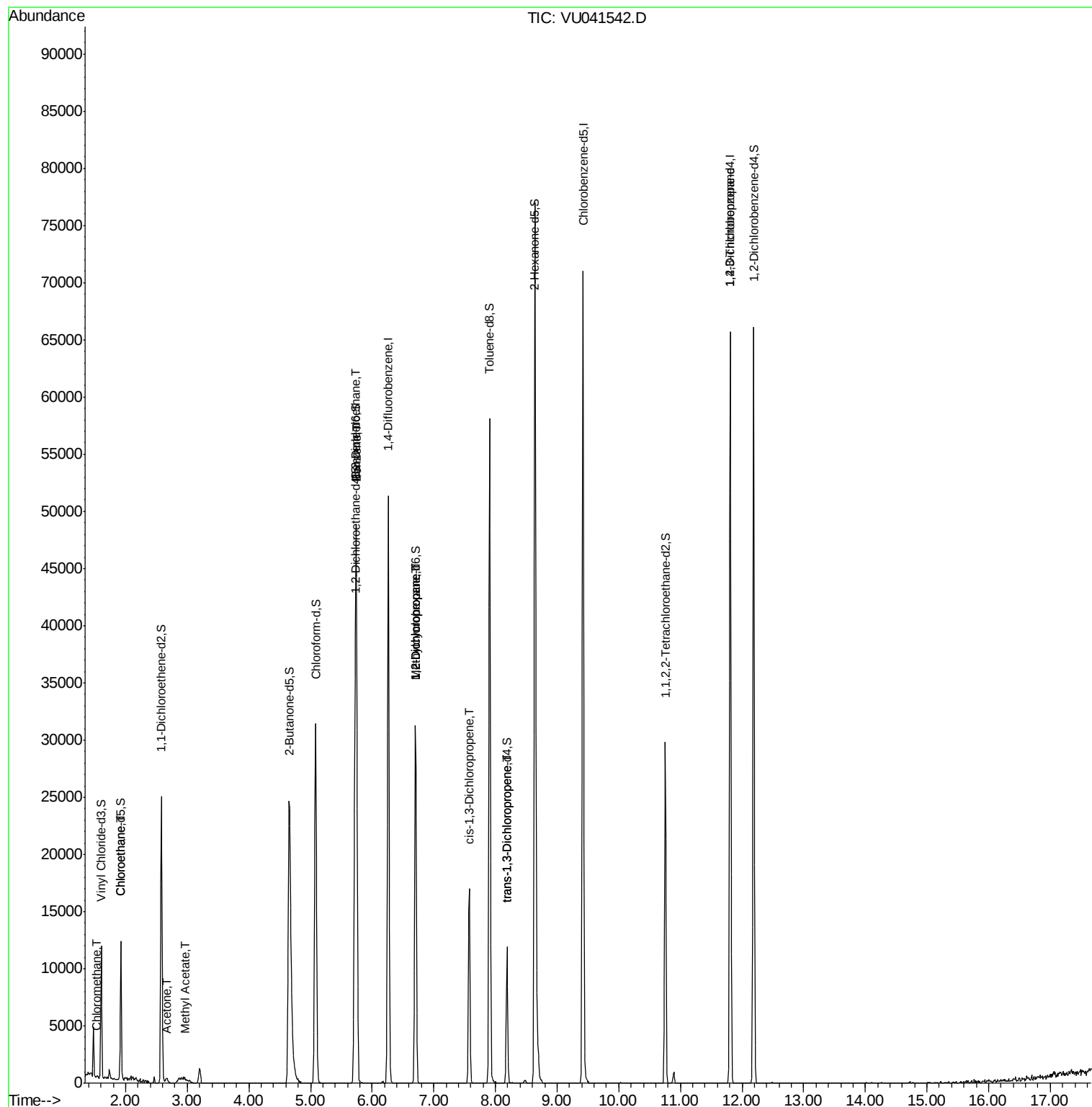
| Target Compounds              | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|-------|------|----------|-------|--------|--------|
| 3) Chloromethane              | 1.53  | 50   | 100      | 0.043 | ug/L # | 41     |
| 8) Chloroethane               | 1.93  | 64   | 326      | 0.181 | ug/L # | 45     |
| 13) Acetone                   | 2.67  | 43   | 1083     | 1.779 | ug/L # | 50     |
| 15) Methyl Acetate            | 2.96  | 43   | 173      | 0.155 | ug/L # | 51     |
| 27) 1,2-Dichloroethane        | 5.75  | 62   | 332      | 0.075 | ug/L # | 79     |
| 33) Benzene                   | 5.75  | 78   | 300      | 0.031 | ug/L   | 100    |
| 35) Methylcyclohexane         | 6.70  | 83   | 3916     | 0.979 | ug/L # | 17     |
| 37) 1,2-Dichloropropane       | 6.71  | 63   | 1889     | 0.830 | ug/L # | 84     |
| 39) cis-1,3-Dichloropropene   | 7.58  | 75   | 444      | 0.108 | ug/L # | 78     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75   | 336      | 0.082 | ug/L # | 68     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 1663     | 0.753 | ug/L   | 91     |

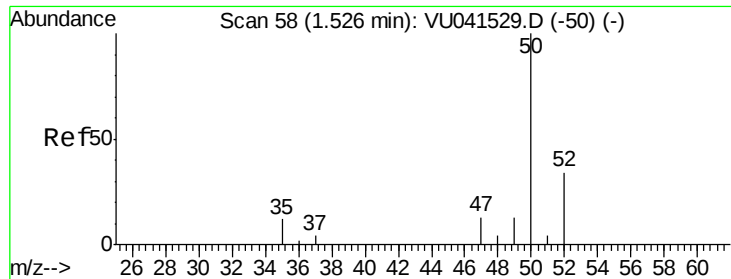
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L5023-02  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AT6

Quant Time: Dec 11 06:08:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120420WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Dec 11 06:06:19 2020  
Response via : Initial Calibration

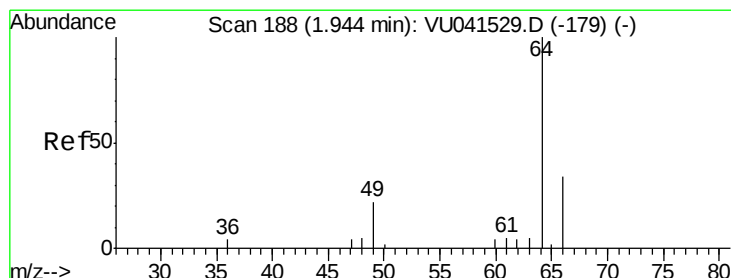
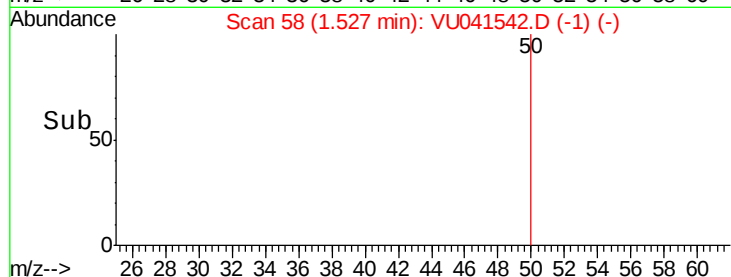
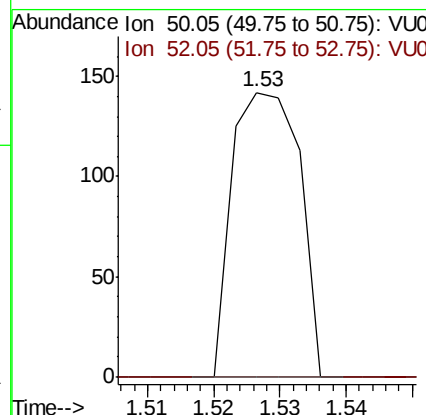
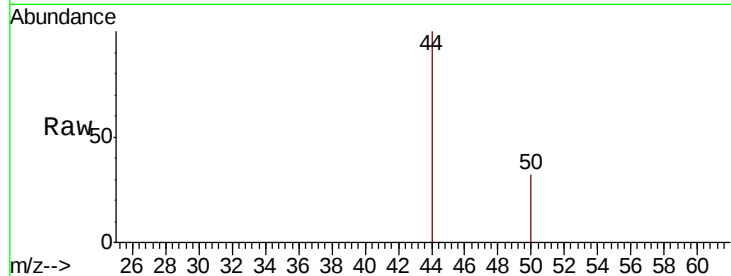




#3  
Chloromethane  
Concen: 0.043 ug/L  
RT: 1.53 min Scan# 58  
Delta R.T. 0.00 min  
Lab File: VU041542.D  
Acq: 10 Dec 2020 17:49

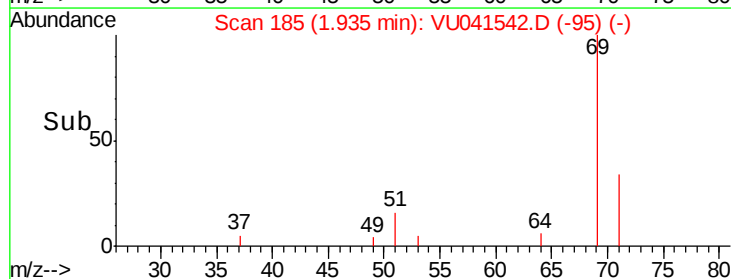
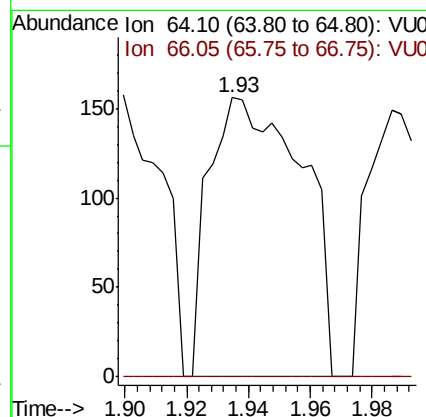
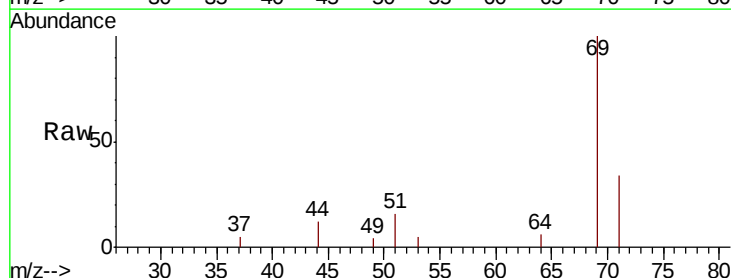
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AT6

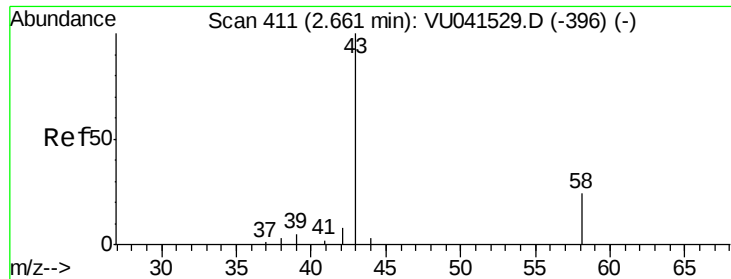
Tot Ion: 50 Resp: 100  
Ion Ratio Lower Upper  
50 100  
52 0.0 23.3 43.3#



#8  
Chloroethane  
Concen: 0.181 ug/L  
RT: 1.93 min Scan# 185  
Delta R.T. -0.01 min  
Lab File: VU041542.D  
Acq: 10 Dec 2020 17:49

Tgt Ion: 64 Resp: 326  
Ion Ratio Lower Upper  
64 100  
66 0.0 20.9 38.9#





#13

Acetone

Concen: 1.779 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041542.D

Acq: 10 Dec 2020 17:49

Instrument :

MSVOA\_U

ClientSampleId :

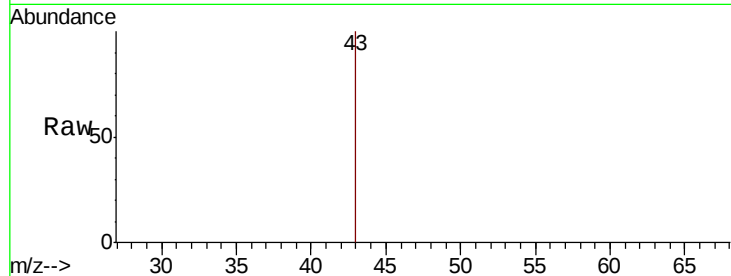
C0AT6

Tot Ion: 43 Resp: 1083

Ion Ratio Lower Upper

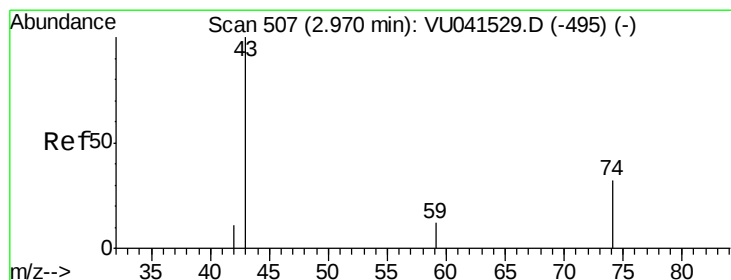
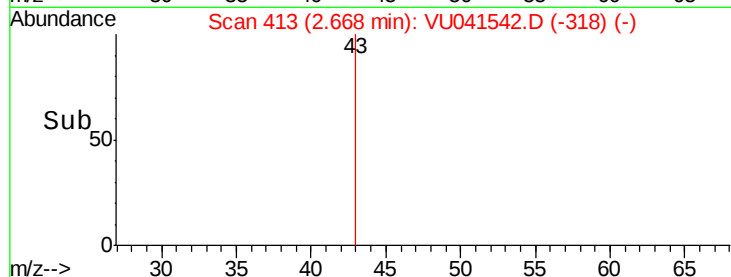
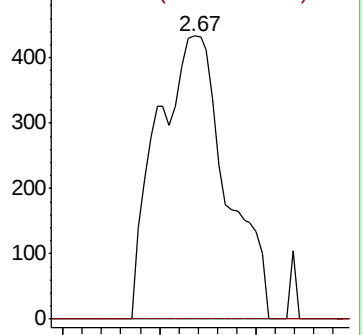
43 100

58 0.0 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.155 ug/L

RT: 2.96 min Scan# 504

Delta R.T. -0.01 min

Lab File: VU041542.D

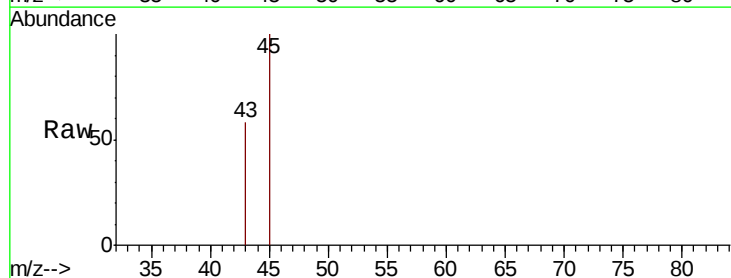
Acq: 10 Dec 2020 17:49

Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

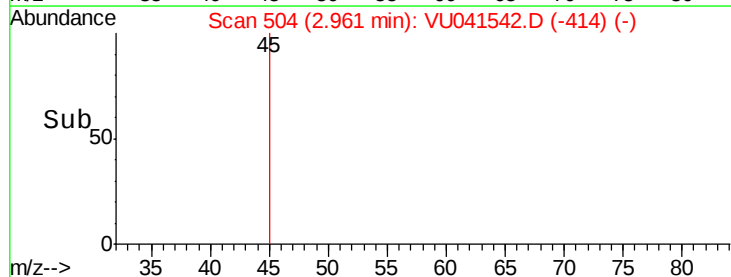
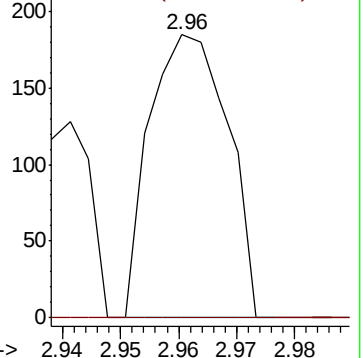
43 100

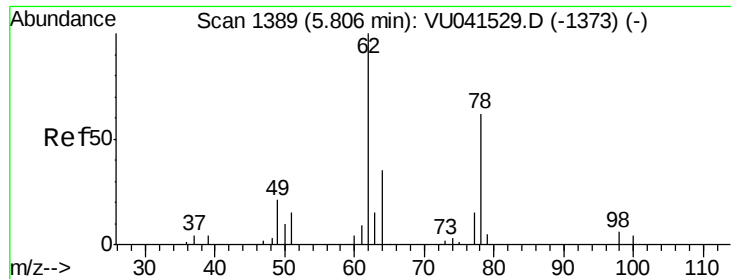
74 0.0 19.7 29.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

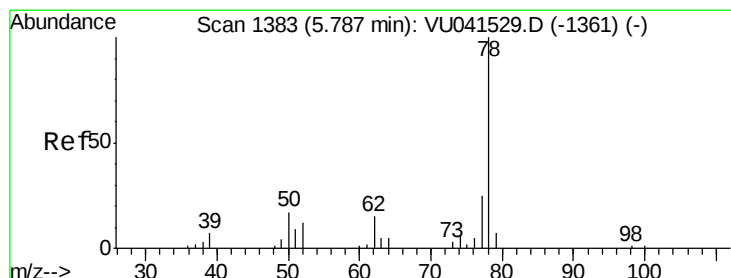
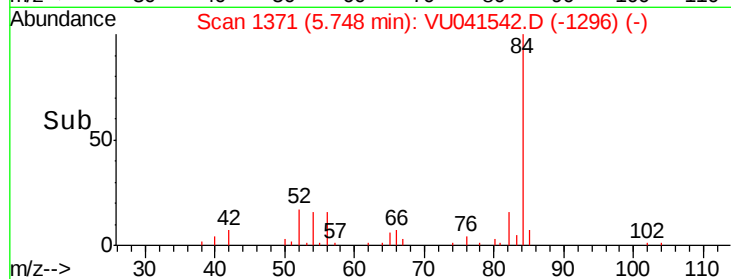
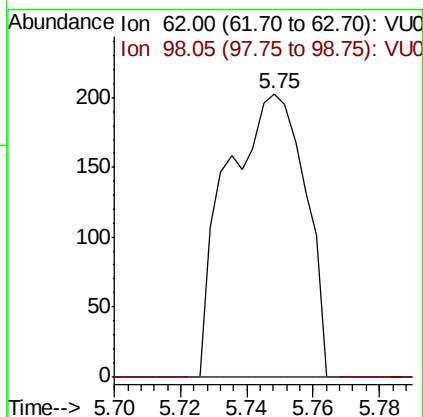
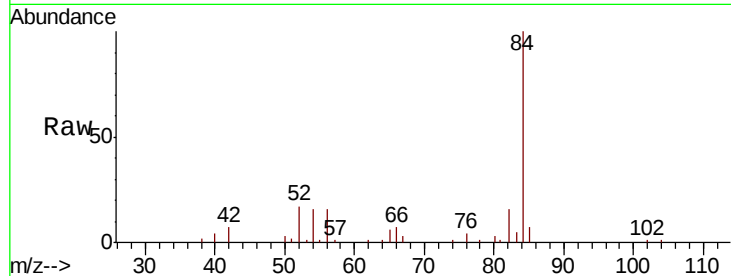




#27  
 1,2-Dichloroethane  
 Concen: 0.075 ug/L  
 RT: 5.75 min Scan# 1371  
 Delta R.T. -0.06 min  
 Lab File: VU041542.D  
 Acq: 10 Dec 2020 17:49

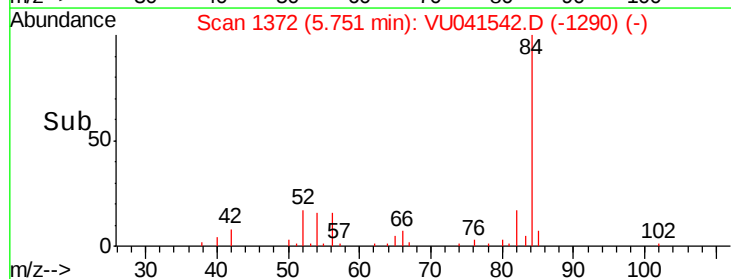
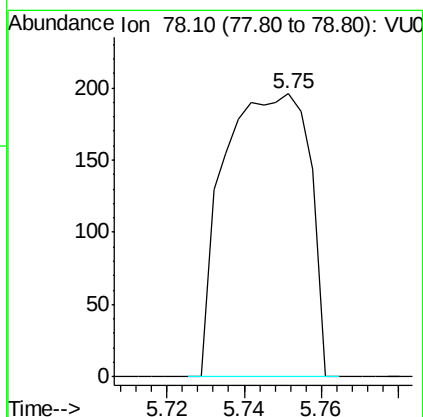
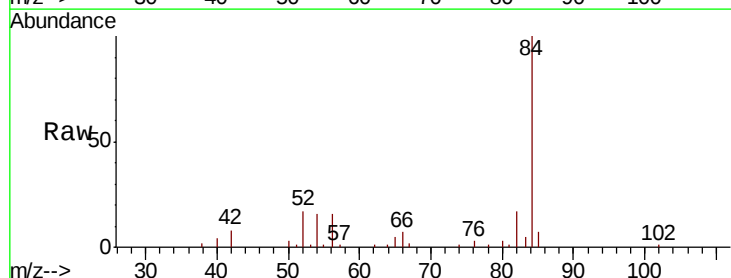
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AT6

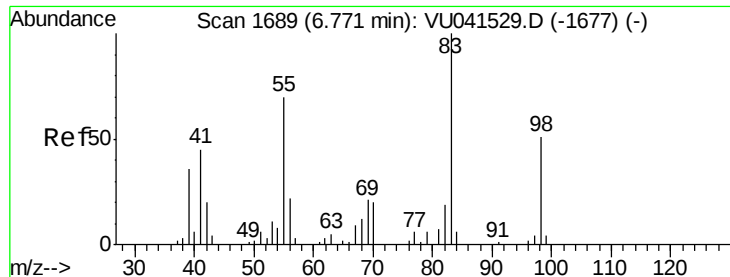
Tot Ion: 62 Resp: 332  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 5.7 8.5#



#33  
 Benzene  
 Concen: 0.031 ug/L  
 RT: 5.75 min Scan# 1372  
 Delta R.T. -0.04 min  
 Lab File: VU041542.D  
 Acq: 10 Dec 2020 17:49

Tgt Ion: 78 Resp: 300

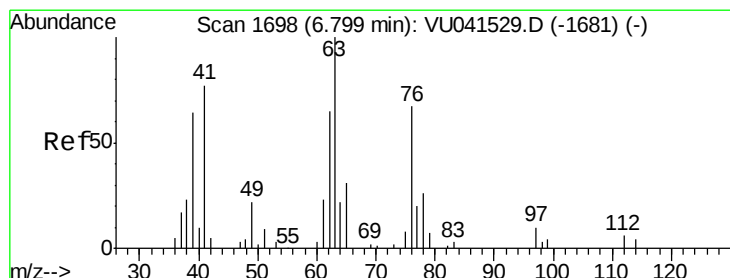
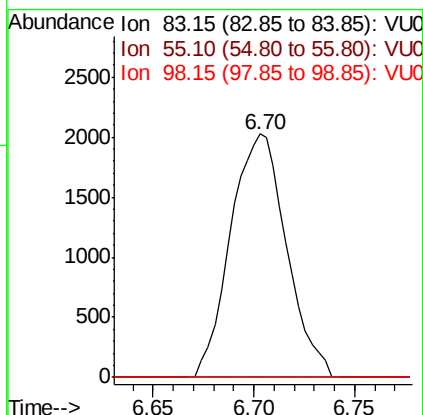
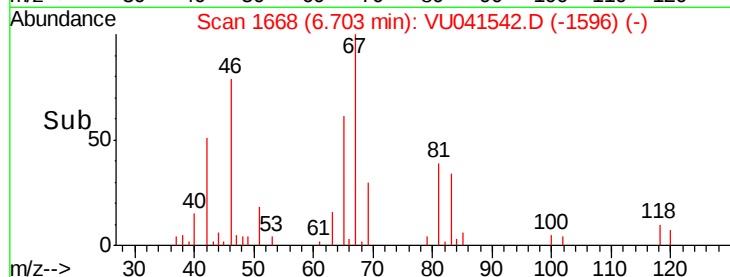
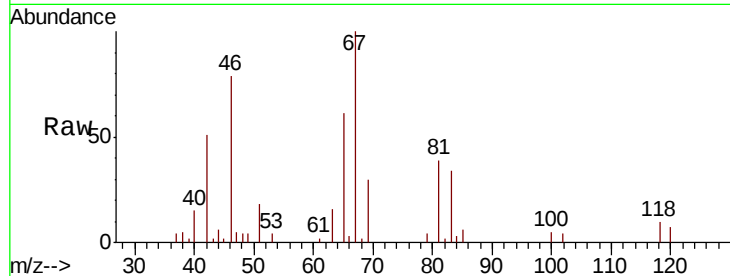




#35  
Methvlcvclohexane  
Concen: 0.979 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU041542.D  
Acq: 10 Dec 2020 17:49

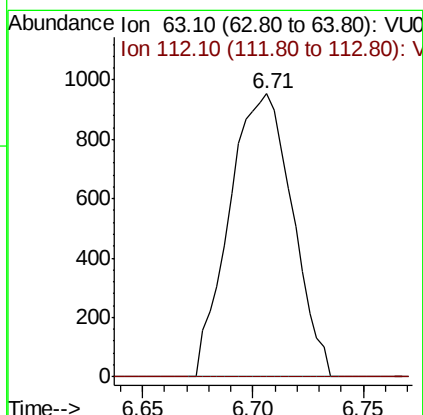
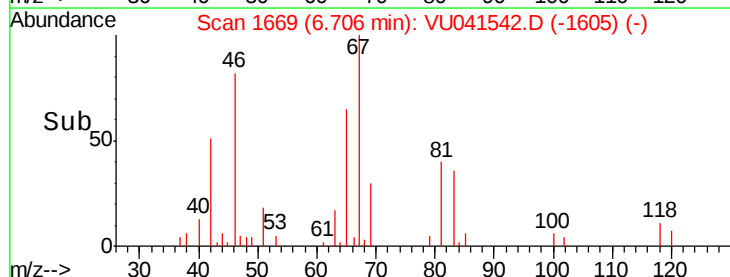
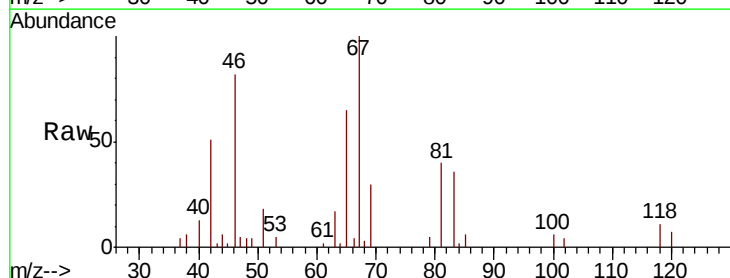
Instrument :  
MSVOA\_U  
ClientSampled :  
C0AT6

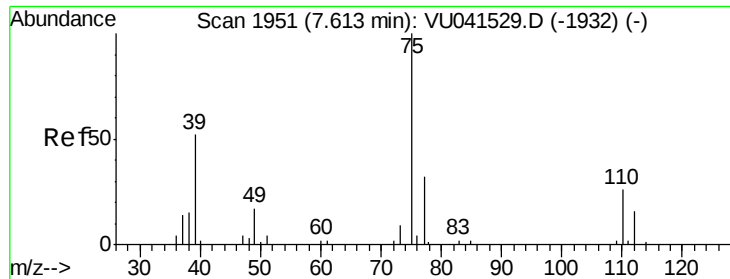
Tot Ion: 83 Resp: 3916  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.1 93.1#  
98 0.0 38.7 58.1#



#37  
1,2-Dichloropropane  
Concen: 0.830 ug/L  
RT: 6.71 min Scan# 1669  
Delta R.T. -0.09 min  
Lab File: VU041542.D  
Acq: 10 Dec 2020 17:49

Tgt Ion: 63 Resp: 1889  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.2 6.2#





#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041542.D

Acq: 10 Dec 2020 17:49

Instrument :

MSVOA\_U

ClientSampleId :

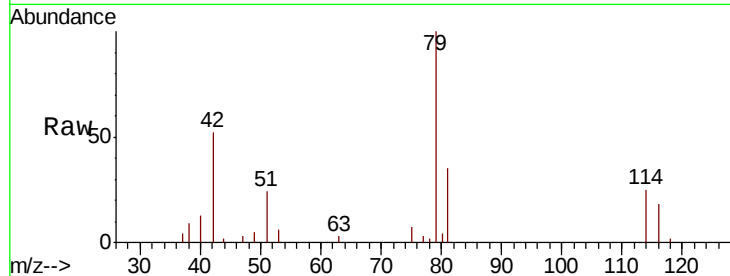
C0AT6

Tot Ion: 75 Resp: 444

Ion Ratio Lower Upper

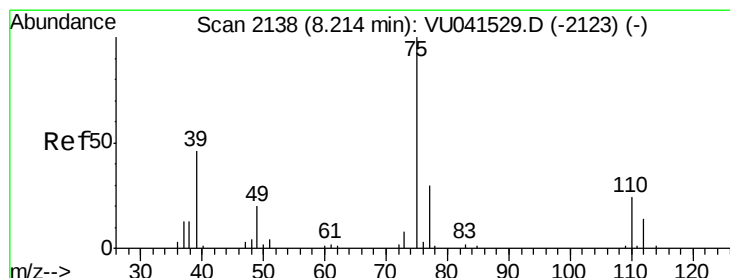
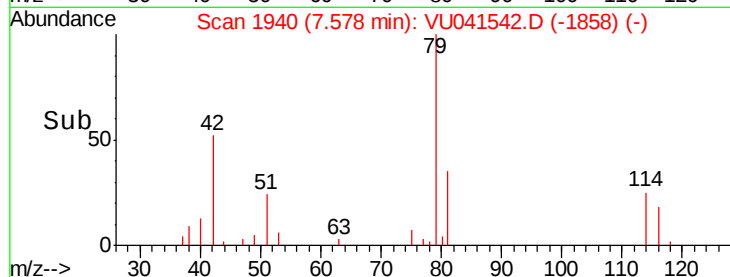
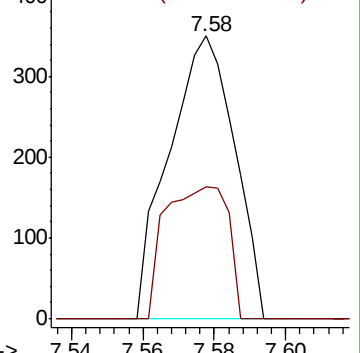
75 100

77 46.9 24.0 44.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU041542.D

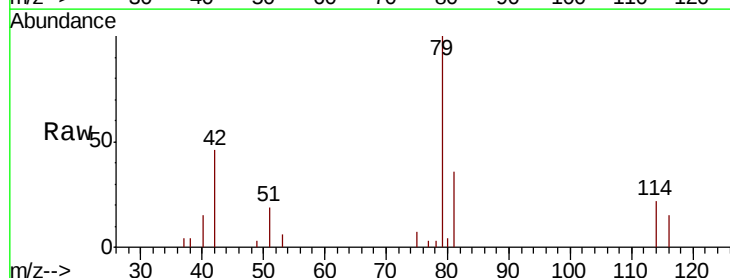
Acq: 10 Dec 2020 17:49

Tgt Ion: 75 Resp: 336

Ion Ratio Lower Upper

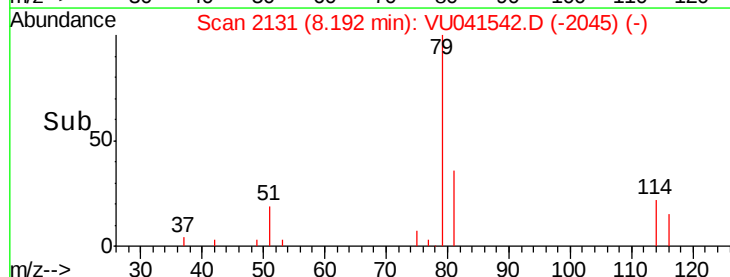
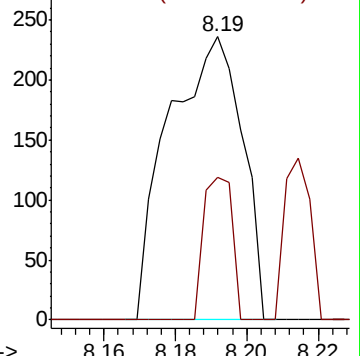
75 100

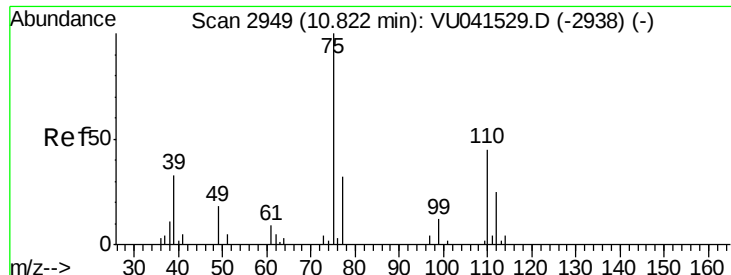
77 50.4 22.7 42.3#



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: 0.753 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041542.D

Acq: 10 Dec 2020 17:49

Instrument :

MSVOA\_U

ClientSampleId :

C0AT6

Tot Ion: 75 Resp: 1663

Ion Ratio Lower Upper

75 100

77 38.2 26.3 39.5

