

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU091618\  
 Data File : VU026789.D  
 Acq On : 15 Sep 2018 20:10  
 Operator : MD/SY  
 Sample : J4920-09  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0KZ7

Quant Time: Sep 17 05:20:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR091618WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Sep 17 05:13:11 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 118403   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 97927    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 41328    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 44599    | 5.24     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 104.80%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 36447    | 5.19     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 60643    | 3.69     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.80%   |
| 20) 2-Butanone-d5              | 4.20   | 46    | 97028    | 48.88    | ug/L | -0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.76%   |
| 24) Chloroform-d               | 4.65   | 84    | 73140    | 4.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%   |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 39541    | 5.09     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.80%  |
| 32) Benzene-d6                 | 5.34   | 84    | 152980   | 5.58     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 111.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 49273    | 5.59     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.80%  |
| 41) Toluene-d8                 | 7.57   | 98    | 113263   | 4.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%   |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 14427    | 4.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.40%   |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 59970    | 46.50    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.00%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 36393    | 5.28     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 52541    | 6.85     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 137.00%# |

## Target Compounds

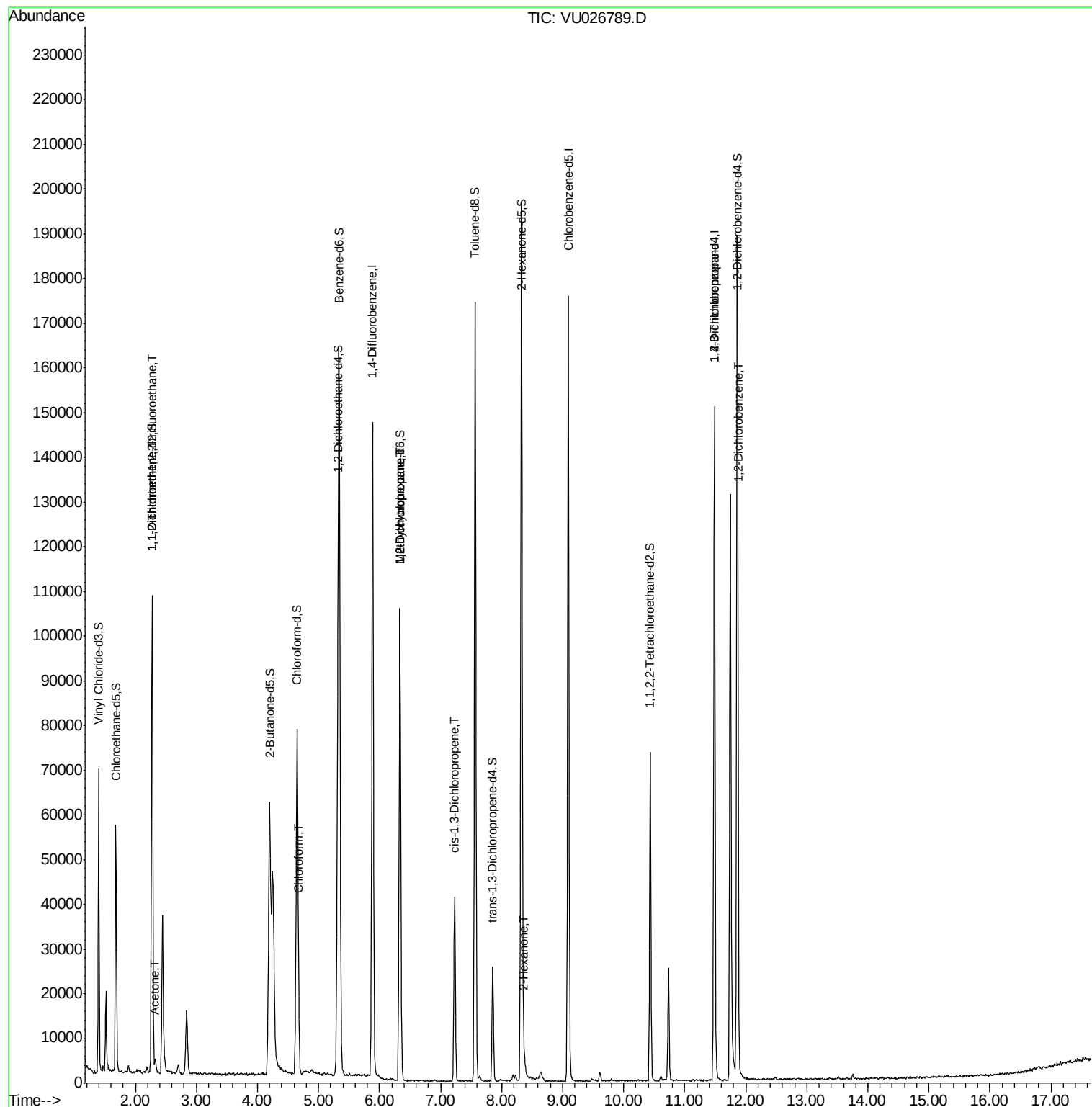
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101  | 535      | 0.057 | ug/L # | 18     |
| 12) 1,1-Dichloroethene         | 2.28  | 96   | 506      | 0.057 | ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43   | 2312     | 1.310 | ug/L   | 91     |
| 25) Chloroform                 | 4.68  | 83   | 1038     | 0.060 | ug/L   | 92     |
| 35) Methylcyclohexane          | 6.33  | 83   | 11434    | 0.753 | ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.33  | 63   | 5167     | 0.531 | ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75   | 968      | 0.074 | ug/L # | 58     |
| 48) 2-Hexanone                 | 8.37  | 43   | 1578     | 0.389 | ug/L # | 83     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75   | 4951     | 0.865 | ug/L   | 95     |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 799      | 0.051 | ug/L # | 89     |

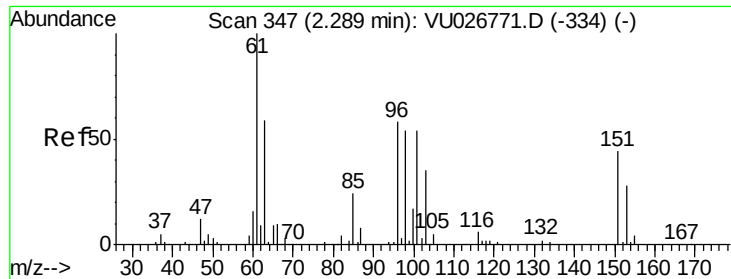
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU091618\  
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Sample : J4920-09  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0KZ7

Quant Time: Sep 17 05:20:32 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR091618WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Sep 17 05:13:11 2018  
Response via : Initial Calibration





#10

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

Concen: 0.057 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU026789.D

Acq: 15 Sep 2018 20:10

Instrument :

MSVOA\_U

ClientSampleId :

C0KZ7

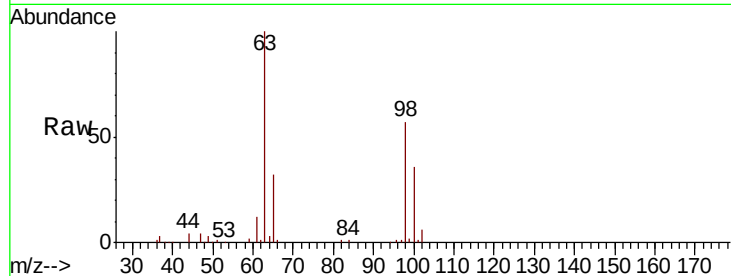
Tgt Ion: 101 Resp: 535

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

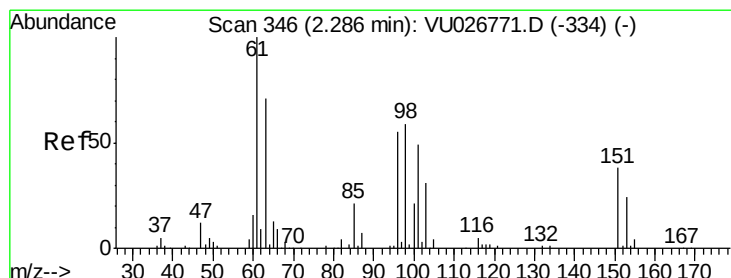
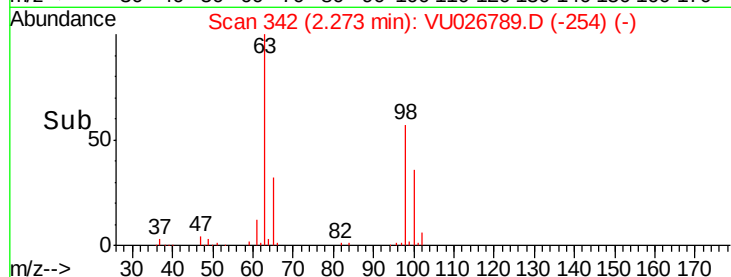
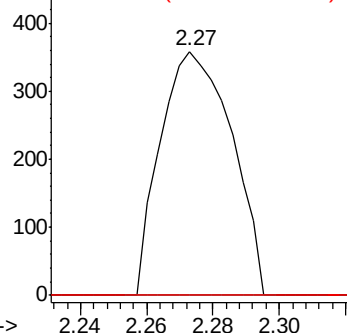
151 0.0 63.3 94.9#



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



#12

1,1-Dichloroethene

Concen: 0.057 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026789.D

Acq: 15 Sep 2018 20:10

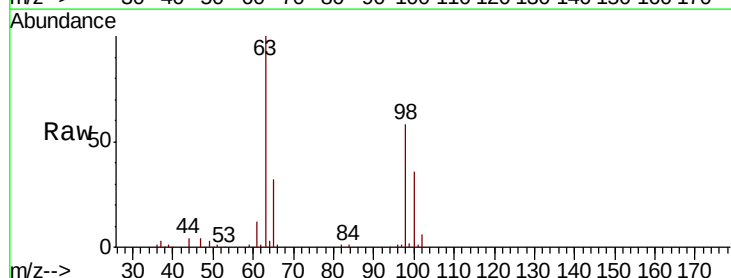
Tgt Ion: 96 Resp: 506

Ion Ratio Lower Upper

96 100

61 1444.8 126.6 235.2#

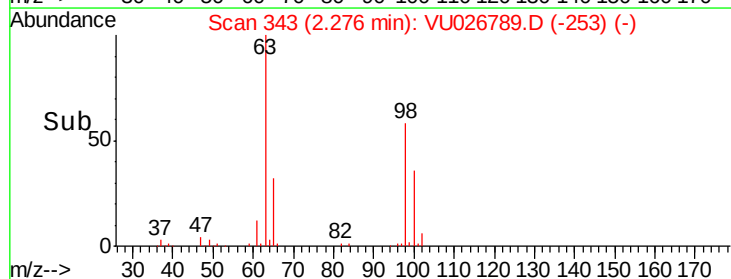
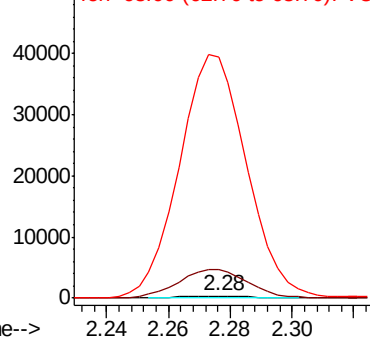
63 12192.6 91.3 169.5#

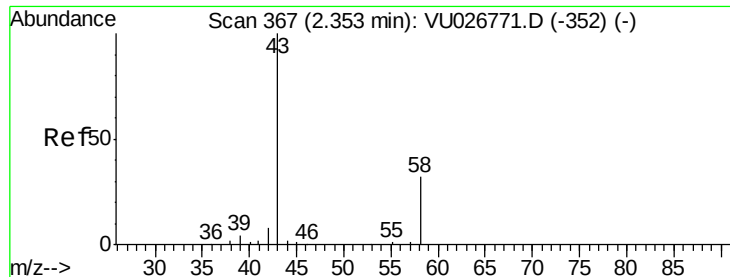


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.310 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.03 min

Lab File: VU026789.D

Acq: 15 Sep 2018 20:10

Instrument :

MSVOA\_U

ClientSampled :

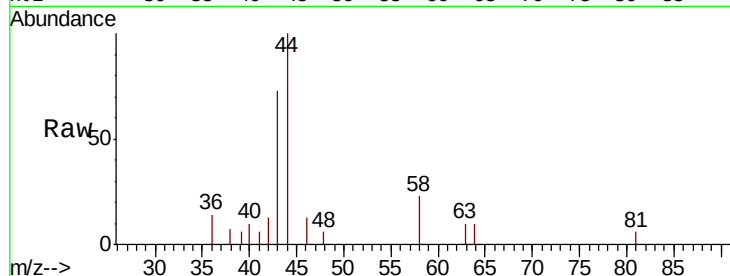
C0KZ7

Tgt Ion: 43 Resp: 2312

Ion Ratio Lower Upper

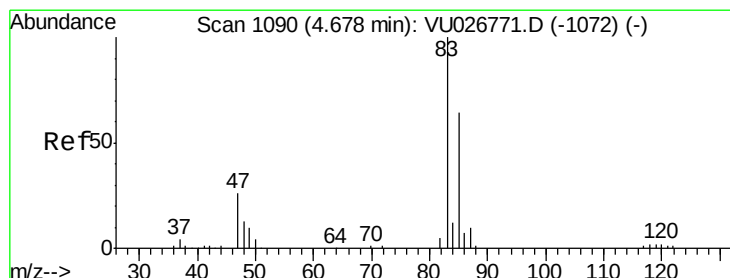
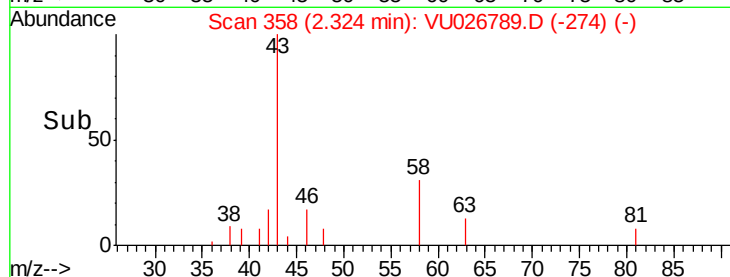
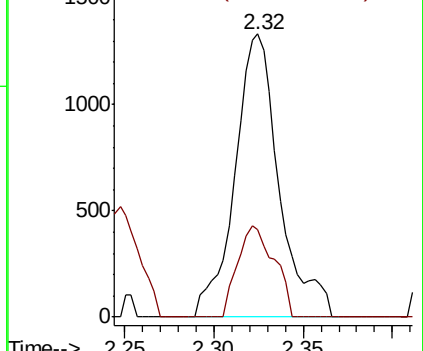
43 100

58 26.5 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#25

Chloroform

Concen: 0.060 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VU026789.D

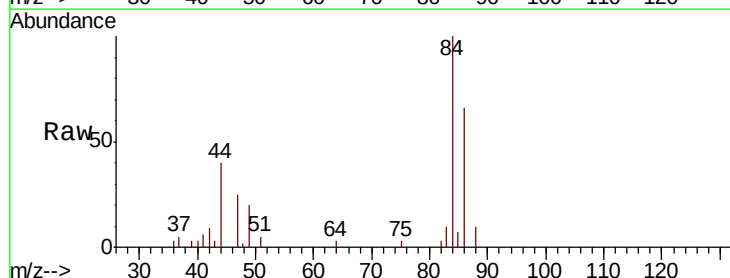
Acq: 15 Sep 2018 20:10

Tgt Ion: 83 Resp: 1038

Ion Ratio Lower Upper

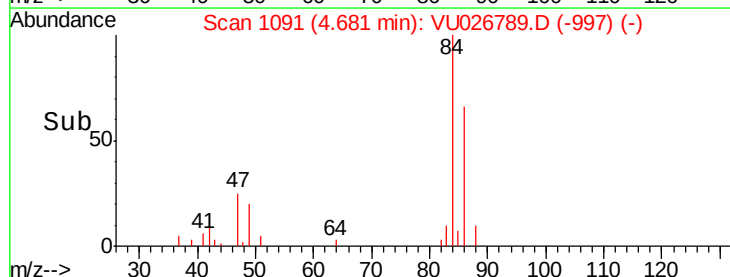
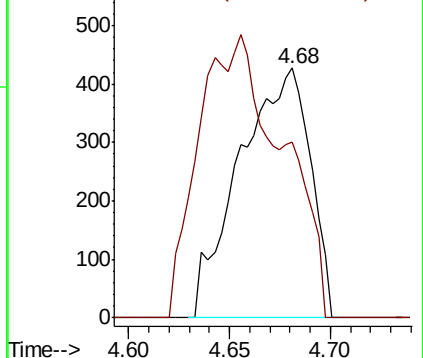
83 100

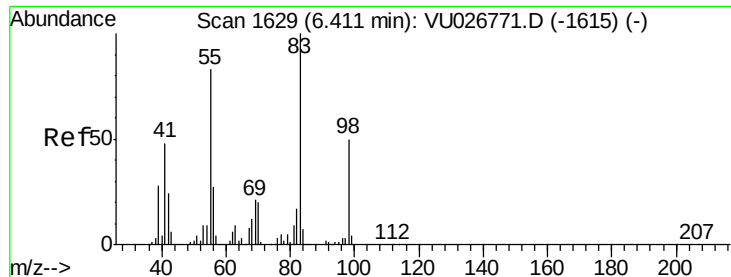
85 70.5 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

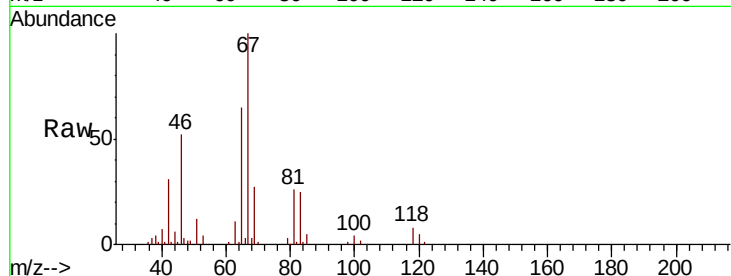




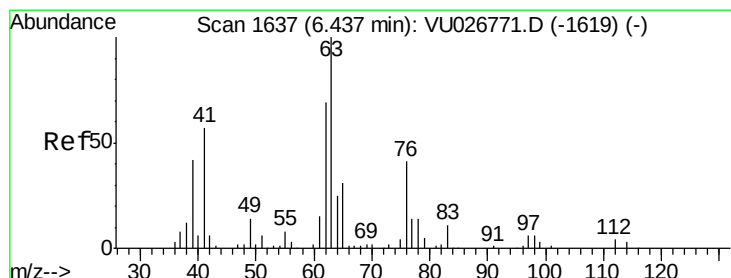
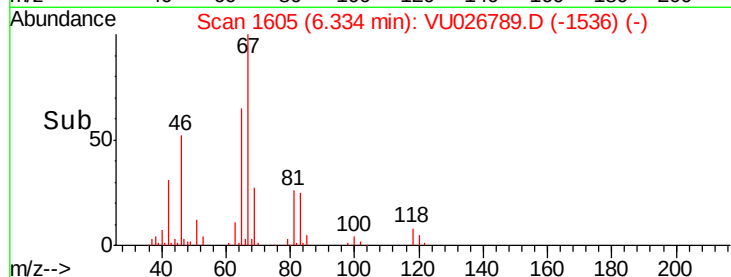
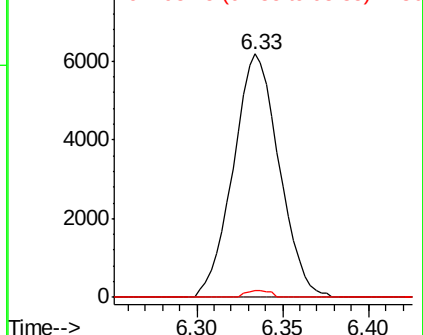
#35  
Methylcyclohexane  
Concen: 0.753 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.08 min  
Lab File: VU026789.D  
Acq: 15 Sep 2018 20:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0KZ7

Tgt Ion: 83 Resp: 11434  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.9 97.3#  
98 1.5 39.3 58.9#

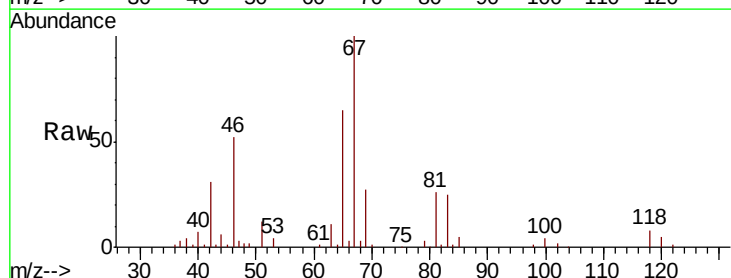


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

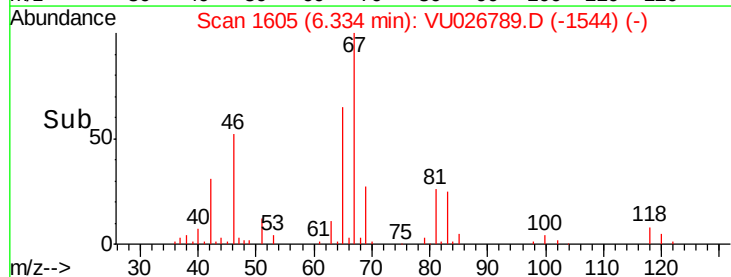
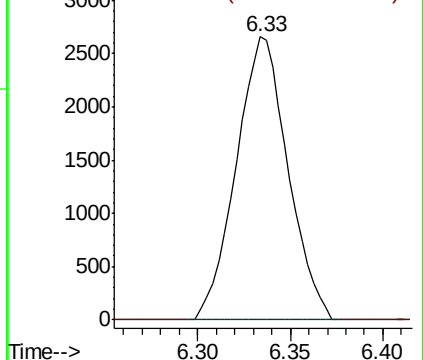


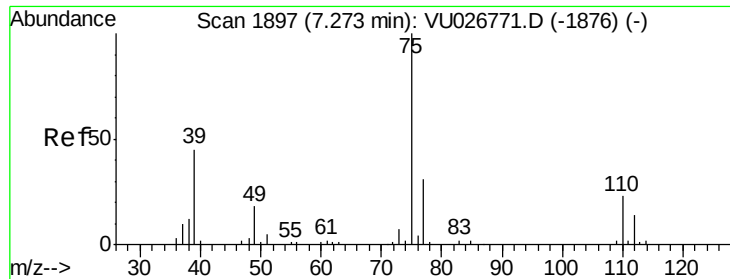
#37  
1,2-Dichloropropane  
Concen: 0.531 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.10 min  
Lab File: VU026789.D  
Acq: 15 Sep 2018 20:10

Tgt Ion: 63 Resp: 5167  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#



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

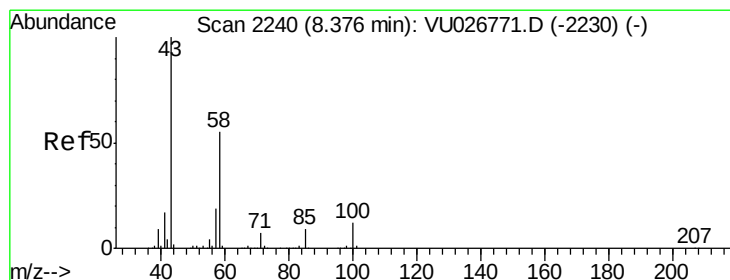
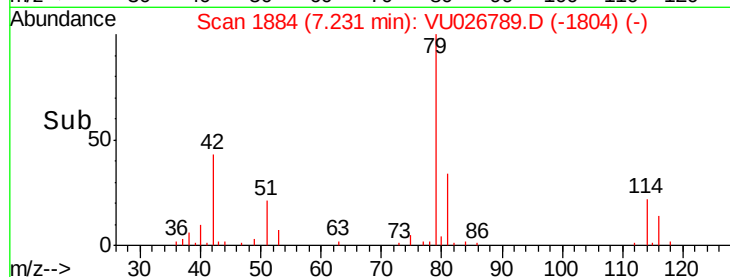
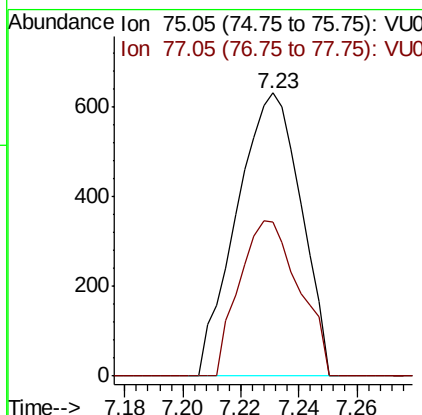
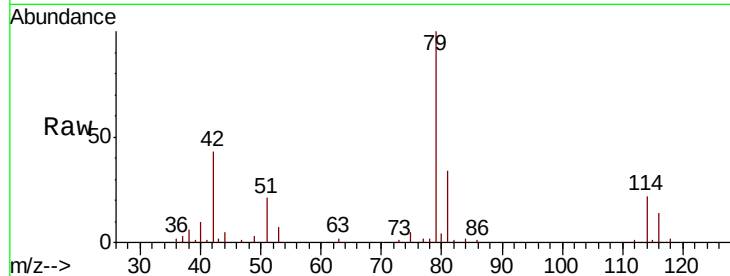




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.074 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU026789.D  
 Acq: 15 Sep 2018 20:10

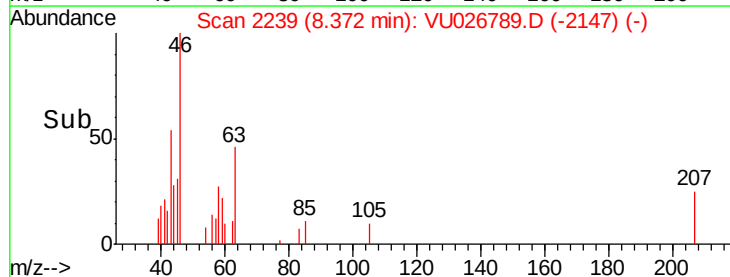
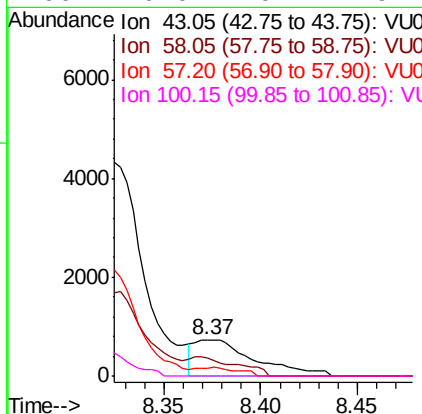
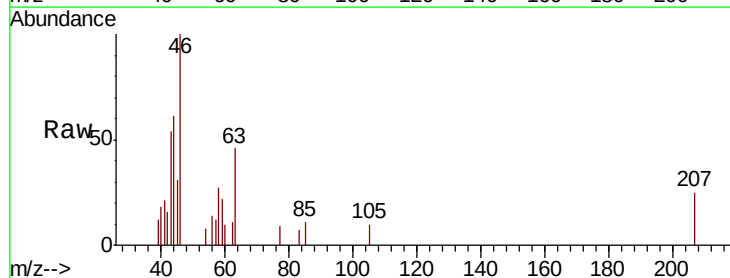
Instrument :  
 MSVOA\_U  
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 C0KZ7

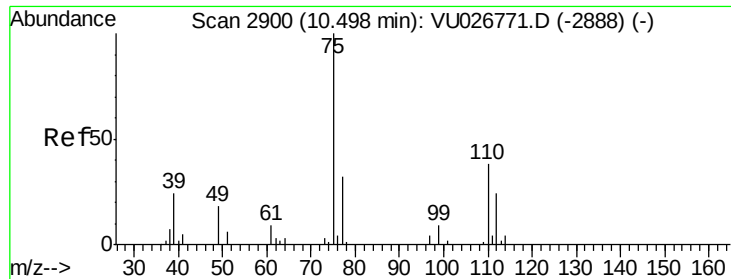
Tgt Ion: 75 Resp: 968  
 Ion Ratio Lower Upper  
 75 100  
 77 54.3 21.7 40.3#



#48  
 2-Hexanone  
 Concen: 0.389 ug/L  
 RT: 8.37 min Scan# 2239  
 Delta R.T. -0.00 min  
 Lab File: VU026789.D  
 Acq: 15 Sep 2018 20:10

Tgt Ion: 43 Resp: 1578  
 Ion Ratio Lower Upper  
 43 100  
 58 42.5 43.7 65.5#  
 57 14.9 15.2 22.8#  
 100 0.0 10.1 15.1#

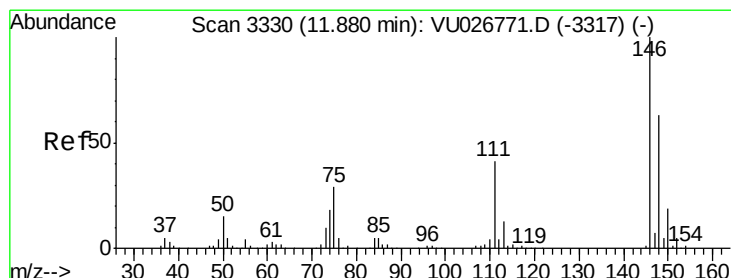
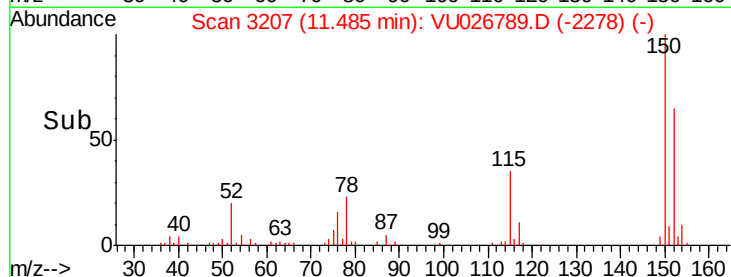
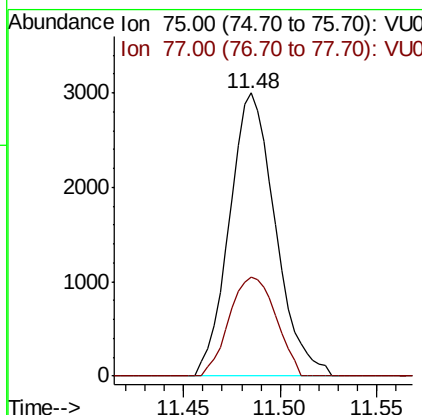
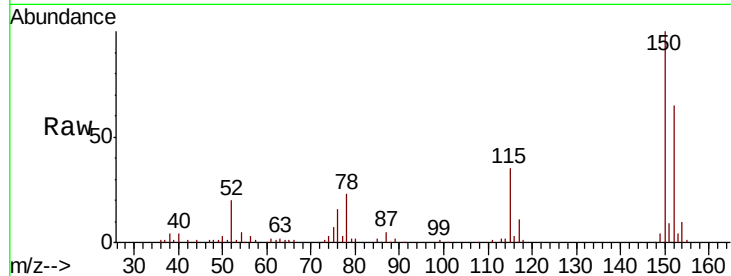




#59  
 1,2,3-Trichloropropane  
 Concen: 0.865 ug/L  
 RT: 11.48 min Scan# 3207  
 Delta R.T. 0.99 min  
 Lab File: VU026789.D  
 Acq: 15 Sep 2018 20:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0KZ7

Tgt Ion: 75 Resp: 4951  
 Ion Ratio Lower Upper  
 75 100  
 77 35.4 25.9 38.9



#65  
 1,2-Dichlorobenzene  
 Concen: 0.051 ug/L  
 RT: 11.88 min Scan# 3330  
 Delta R.T. 0.00 min  
 Lab File: VU026789.D  
 Acq: 15 Sep 2018 20:10

Tgt Ion: 146 Resp: 799  
 Ion Ratio Lower Upper  
 146 100  
 111 57.1 32.5 48.7#  
 148 64.2 50.5 75.7

