

Data File : VU033399.D  
Acq On : 25 Jul 2019 10:55  
Operator : JC/SP  
Sample : K3982-01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AA0

Quant Time: Jul 26 04:36:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jul 26 04:32:42 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 270834   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 275910   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 117731   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 82429    | 40.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.42%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 79270    | 45.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.52%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 114549   | 30.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.60%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 125272   | 96.43    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.43%  |
| 24) Chloroform-d               | 4.62    | 84    | 159575   | 46.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 106314   | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.48%  |
| 32) Benzene-d6                 | 5.32    | 84    | 312802   | 46.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 104924   | 48.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.78%  |
| 41) Toluene-d8                 | 7.55    | 98    | 270372   | 42.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.72%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 46648    | 43.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.76%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 91512    | 93.62    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.62%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 161670   | 49.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 109213   | 52.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.04% |

#### Target Compounds

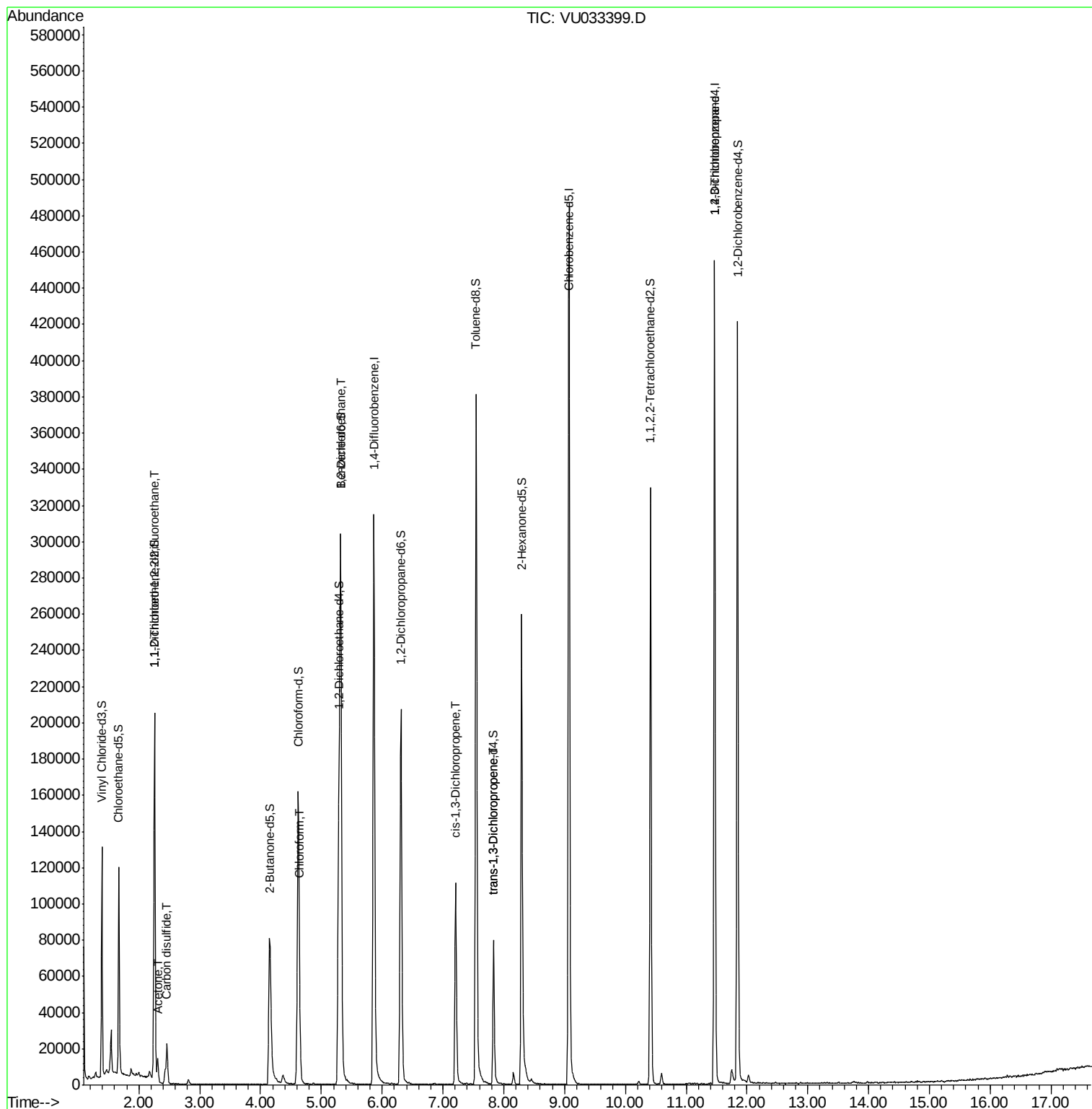
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.25  | 101 | 1051  | 0.569 ug/L # | 21     |
| 13) Acetone                    | 2.31  | 43  | 13199 | 8.132 ug/L   | 98     |
| 14) Carbon disulfide           | 2.46  | 76  | 25578 | 4.626 ug/L   | 99     |
| 25) Chloroform                 | 4.65  | 83  | 6408  | 1.678 ug/L   | 91     |
| 27) 1,2-Dichloroethane         | 5.31  | 62  | 1746  | 0.590 ug/L # | 76     |
| 39) cis-1,3-Dichloropropene    | 7.21  | 75  | 2949  | 0.881 ug/L # | 58     |
| 44) trans-1,3-Dichloropropene  | 7.83  | 75  | 2350  | 0.779 ug/L   | 96     |
| 59) 1,2,3-Trichloropropane     | 11.47 | 75  | 13903 | 4.894 ug/L   | 94     |

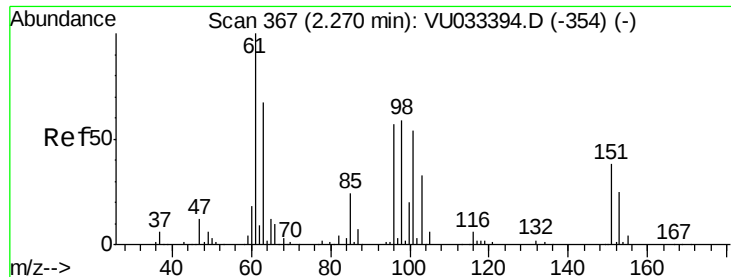
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jul 26 04:32:42 2019  
Response via : Initial Calibration





#10

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

Concen: 0.569 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033399.D

Acq: 25 Jul 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

C0AA0

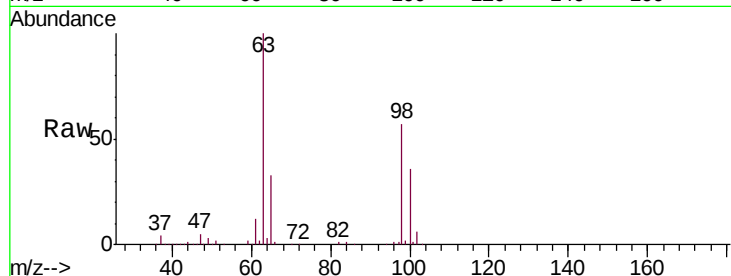
Tgt Ion:101 Resp: 1051

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

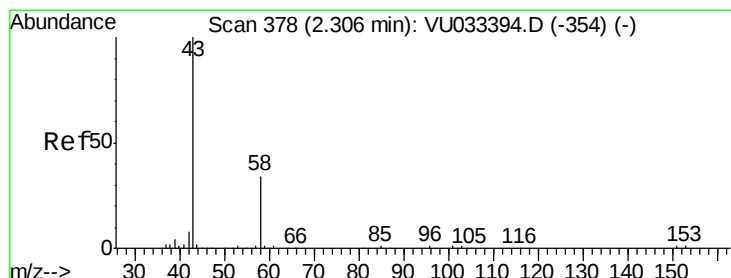
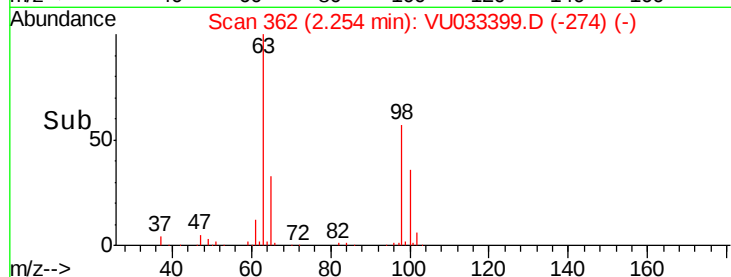
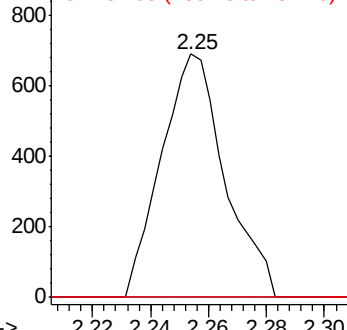
151 0.0 56.7 85.1#



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



#13

Acetone

Concen: 8.132 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033399.D

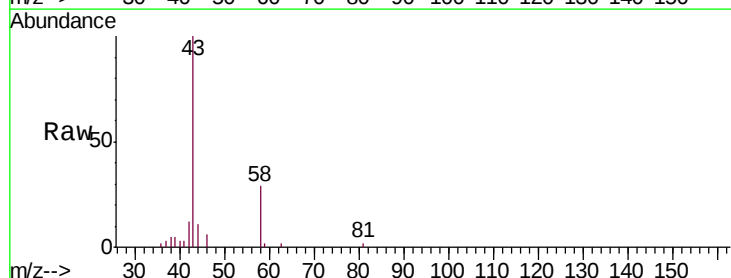
Acq: 25 Jul 2019 10:55

Tgt Ion: 43 Resp: 13199

Ion Ratio Lower Upper

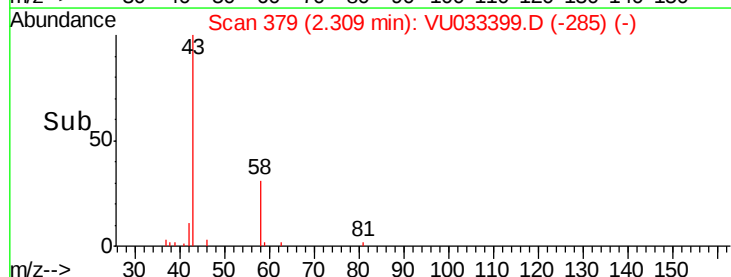
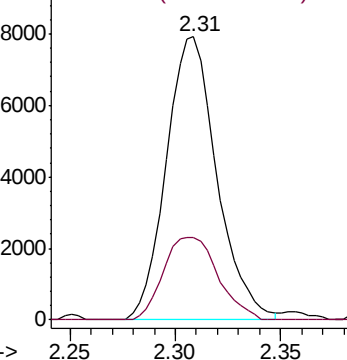
43 100

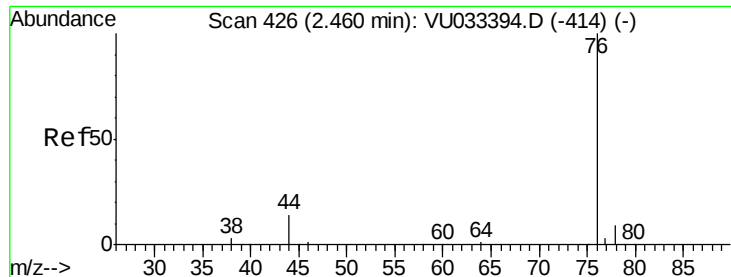
58 31.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 4.626 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033399.D

Acq: 25 Jul 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

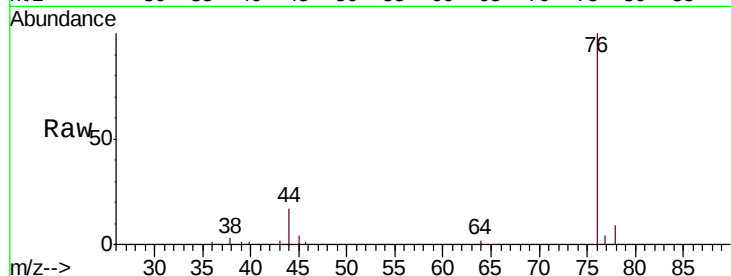
C0AA0

Tgt Ion: 76 Resp: 25578

Ion Ratio Lower Upper

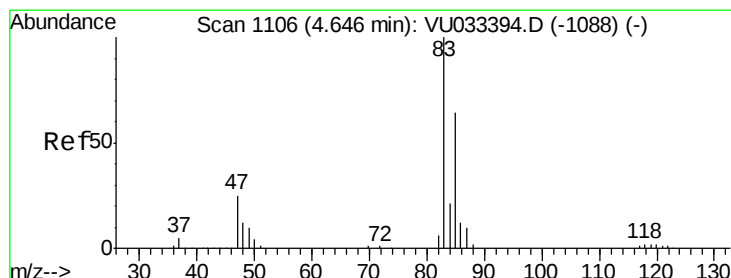
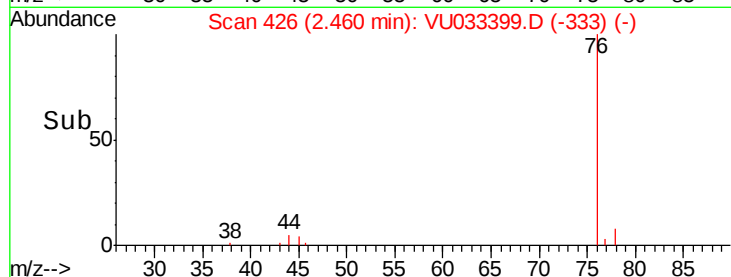
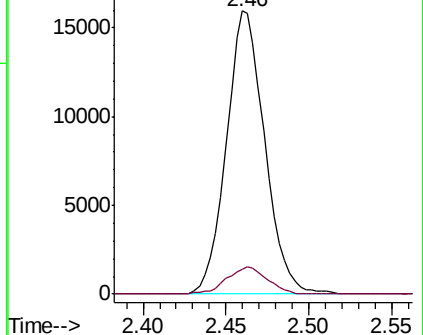
76 100

78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033399.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033399.D (-414) (-)



#25

Chloroform

Concen: 1.678 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033399.D

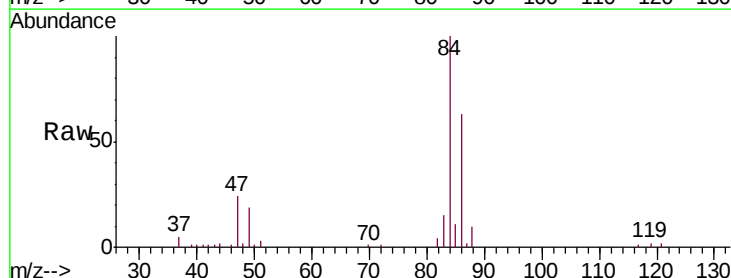
Acq: 25 Jul 2019 10:55

Tgt Ion: 83 Resp: 6408

Ion Ratio Lower Upper

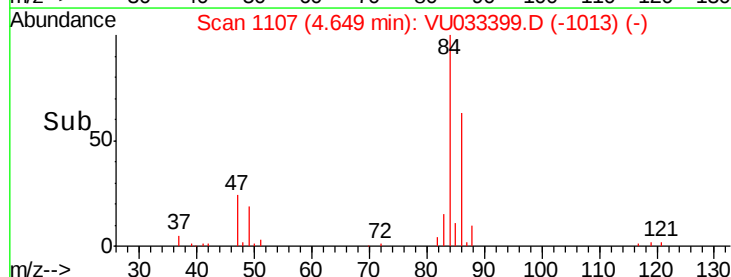
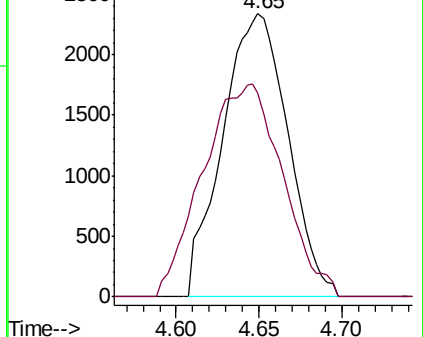
83 100

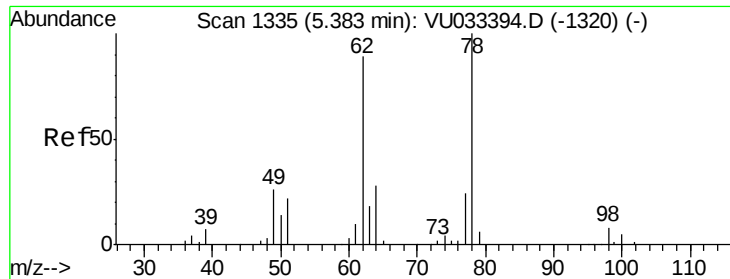
85 72.3 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033399.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033399.D (-1013) (-)

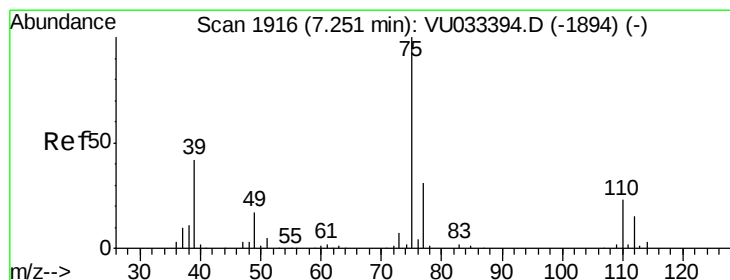
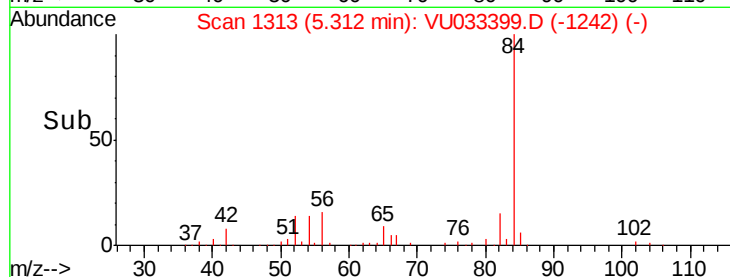
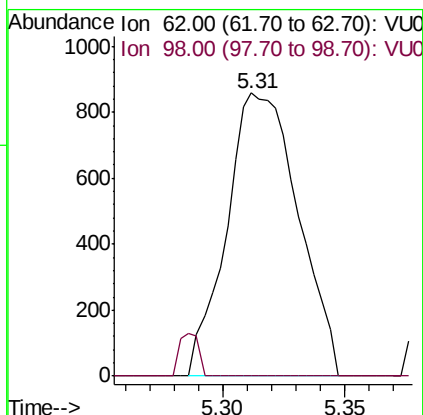
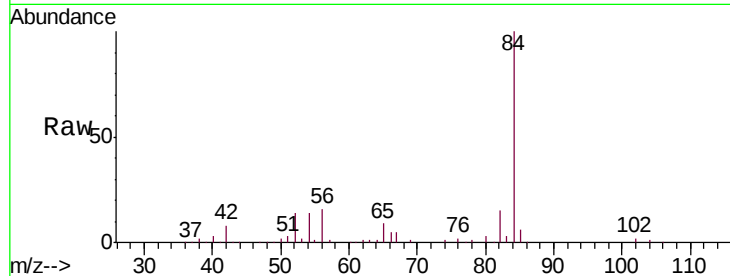




#27  
 1,2-Dichloroethane  
 Concen: 0.590 ug/L  
 RT: 5.31 min Scan# 1313  
 Delta R.T. -0.07 min  
 Lab File: VU033399.D  
 Acq: 25 Jul 2019 10:55

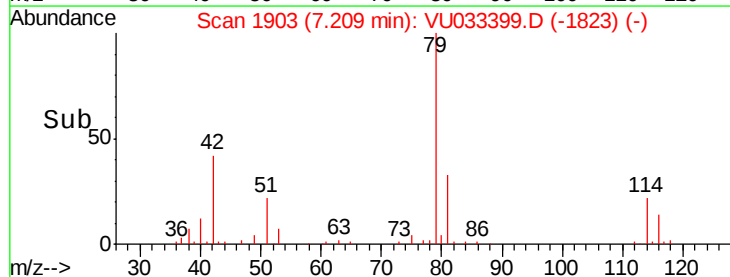
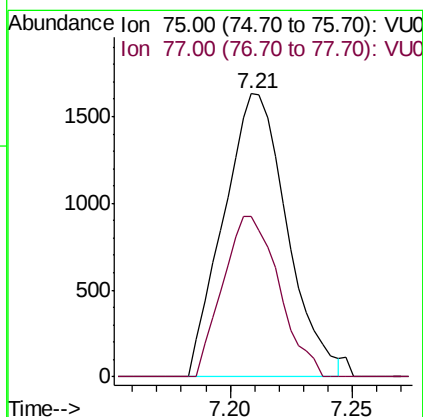
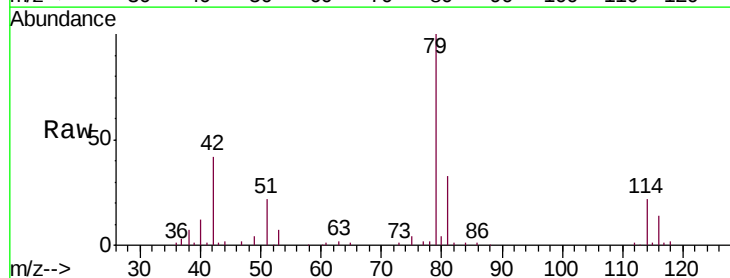
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA0

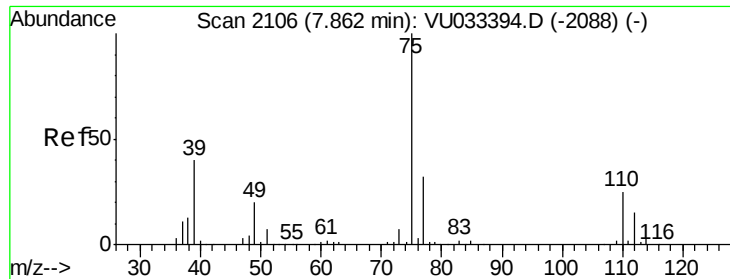
Tgt Ion: 62 Resp: 1746  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 7.0 10.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.881 ug/L  
 RT: 7.21 min Scan# 1903  
 Delta R.T. -0.04 min  
 Lab File: VU033399.D  
 Acq: 25 Jul 2019 10:55

Tgt Ion: 75 Resp: 2949  
 Ion Ratio Lower Upper  
 75 100  
 77 56.9 23.1 42.9#





#44

trans-1,3-Dichloropropene

Concen: 0.779 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033399.D

Acq: 25 Jul 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

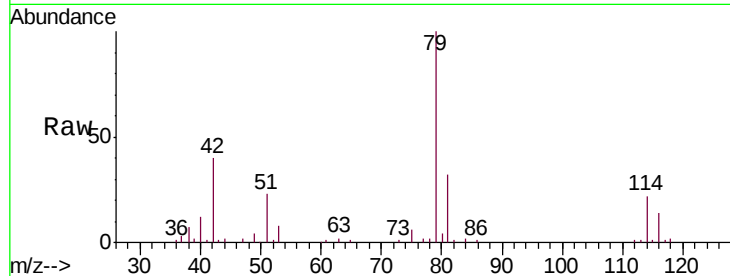
C0AA0

Tgt Ion: 75 Resp: 2350

Ion Ratio Lower Upper

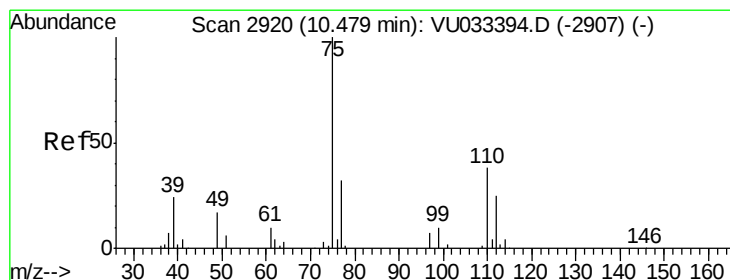
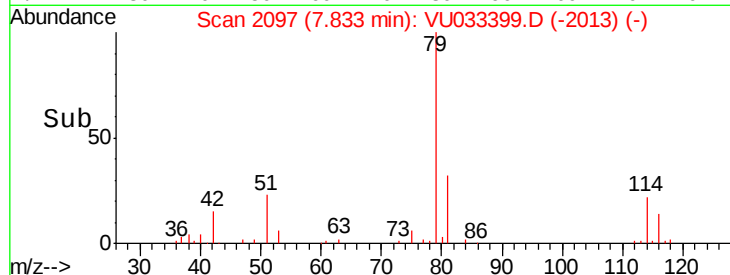
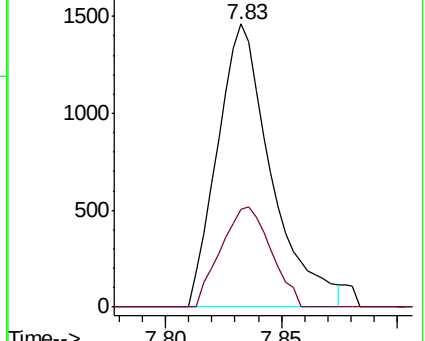
75 100

77 34.4 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.894 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033399.D

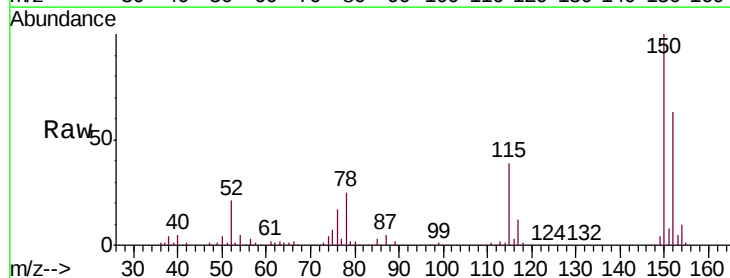
Acq: 25 Jul 2019 10:55

Tgt Ion: 75 Resp: 13903

Ion Ratio Lower Upper

75 100

77 35.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

