

Data File : VU033560.D  
Acq On : 02 Aug 2019 11:28  
Operator : JC/SP  
Sample : K4103-19  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB9G1

Quant Time: Aug 03 00:42:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM073119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 03 00:39:04 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 303795   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 303824   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 135646   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 131625   | 59.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 119.18% |
| 7) Chloroethane-d5             | 1.67    | 69    | 108214   | 57.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 114.20% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 166067   | 41.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.86%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 162403   | 111.01   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.01% |
| 24) Chloroform-d               | 4.62    | 84    | 203892   | 55.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.14% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 132250   | 56.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 112.80% |
| 32) Benzene-d6                 | 5.32    | 84    | 419065   | 55.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 111.28% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 132405   | 56.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 112.16% |
| 41) Toluene-d8                 | 7.55    | 98    | 371863   | 52.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.38% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 62584    | 53.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 106.88% |
| 47) 2-Hexanone-d5              | 8.30    | 63    | 115501   | 103.04   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.04% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 194247   | 53.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 106.72% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 143757   | 57.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 115.74% |

#### Target Compounds

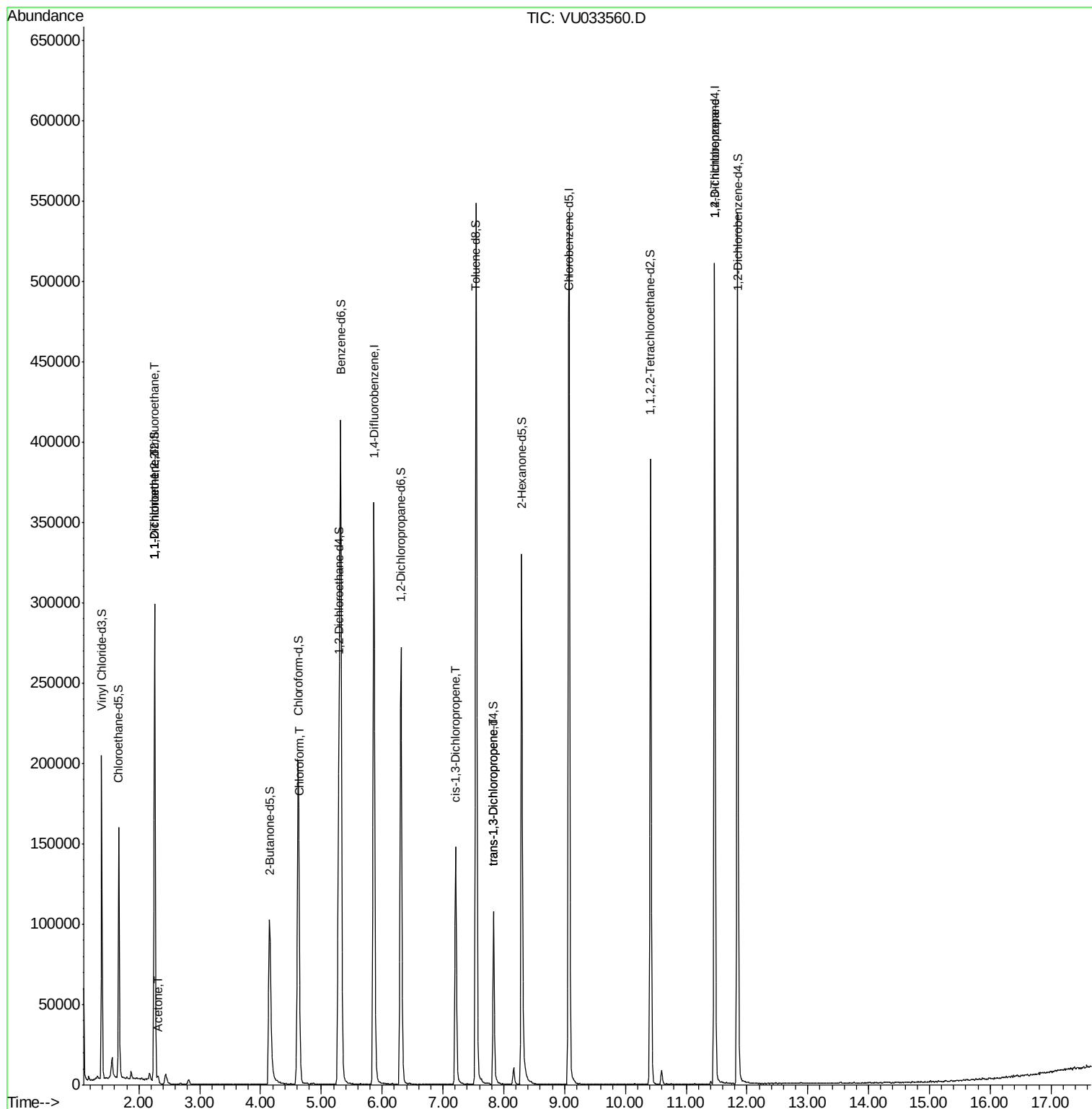
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 1316  | 0.641 ug/L # | 19     |
| 12) 1,1-Dichloroethene         | 2.26  | 96  | 1396  | 0.710 ug/L # | 1      |
| 13) Acetone                    | 2.31  | 43  | 2810  | 1.877 ug/L   | 97     |
| 25) Chloroform                 | 4.64  | 83  | 2265  | 0.556 ug/L # | 54     |
| 39) cis-1,3-Dichloropropene    | 7.21  | 75  | 3648  | 0.996 ug/L # | 80     |
| 44) trans-1,3-Dichloropropene  | 7.83  | 75  | 2906  | 0.878 ug/L # | 82     |
| 59) 1,2,3-Trichloropropane     | 11.47 | 75  | 17069 | 5.512 ug/L   | 95     |

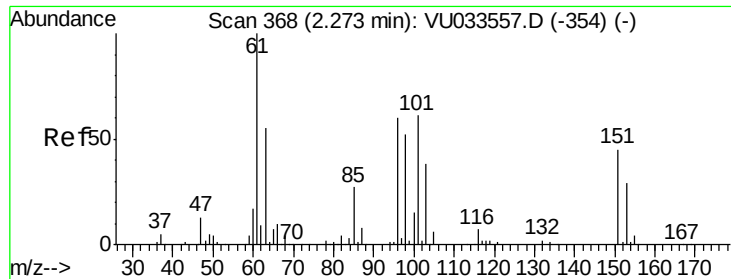
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.641 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033560.D

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Instrument :

MSVOA\_U

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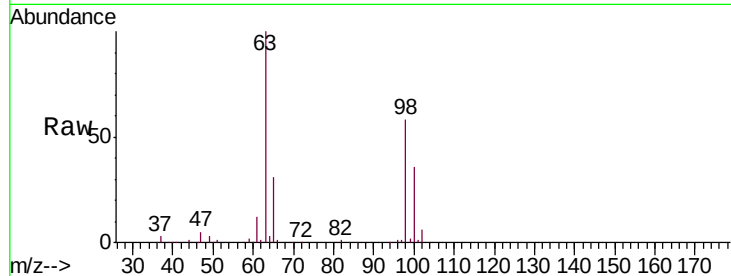
Tgt Ion: 101 Resp: 1316

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

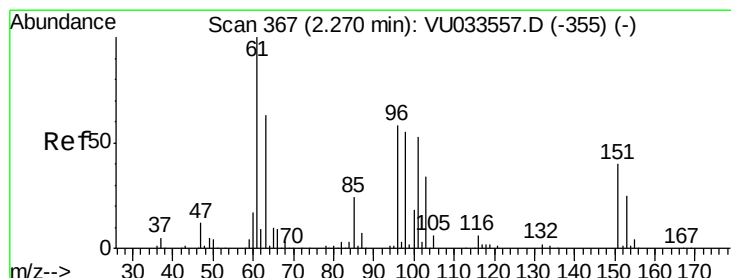
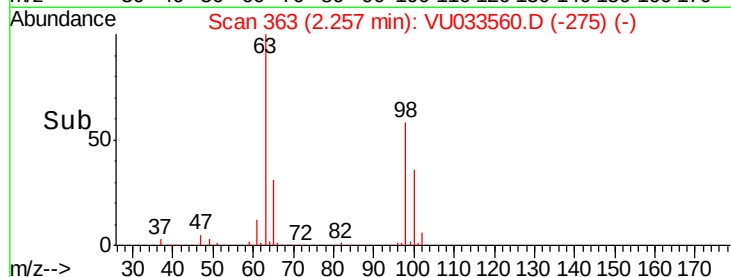
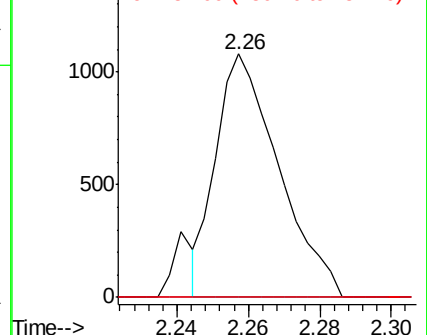
151 0.0 60.1 90.1#



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



#12

1,1-Dichloroethene

Concen: 0.710 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033560.D

Acq: 02 Aug 2019 11:28

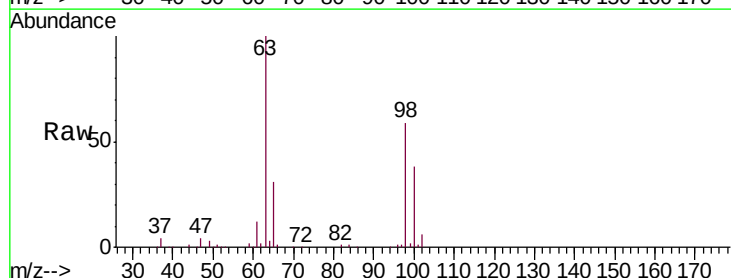
Tgt Ion: 96 Resp: 1396

Ion Ratio Lower Upper

96 100

61 1372.5 119.3 221.5#

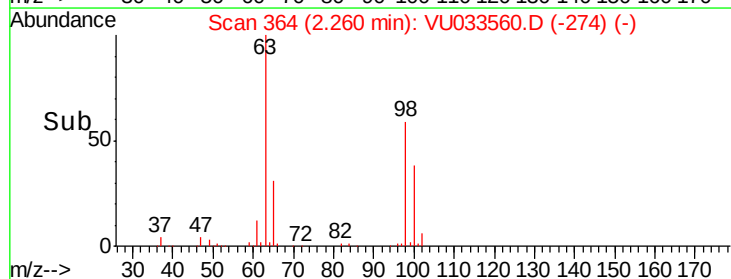
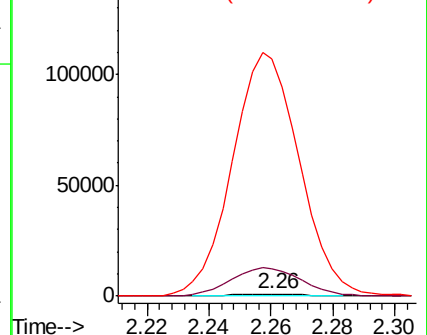
63 11757.1 86.6 160.8#

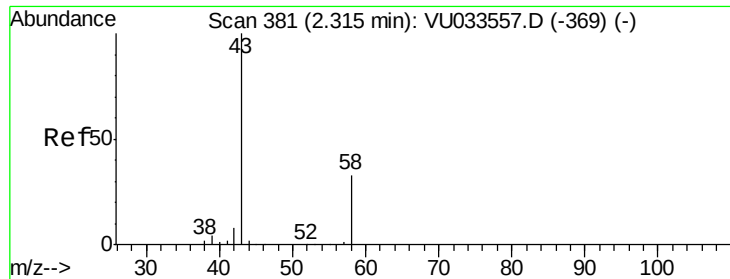


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.877 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU033560.D

Acq: 02 Aug 2019 11:28

Instrument :

MSVOA\_U

ClientSampleId :

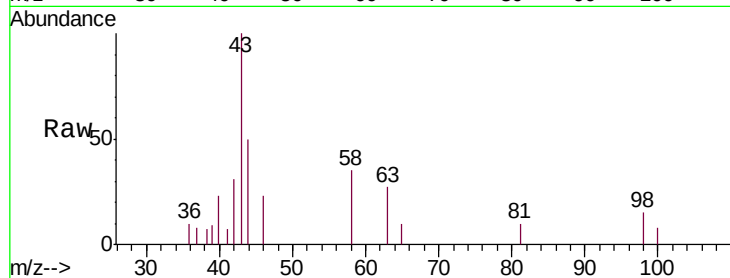
DB9G1

Tgt Ion: 43 Resp: 2810

Ion Ratio Lower Upper

43 100

58 31.2 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033557.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VU033557.D (-369) (-)

2.31

1500

1000

500

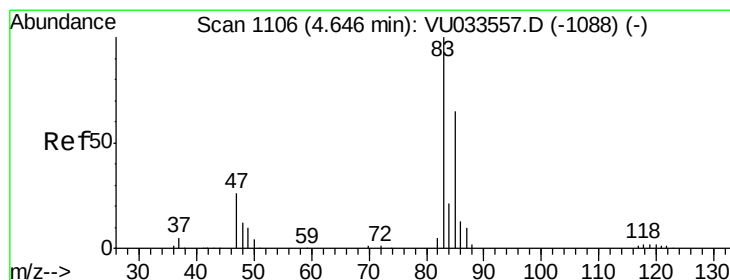
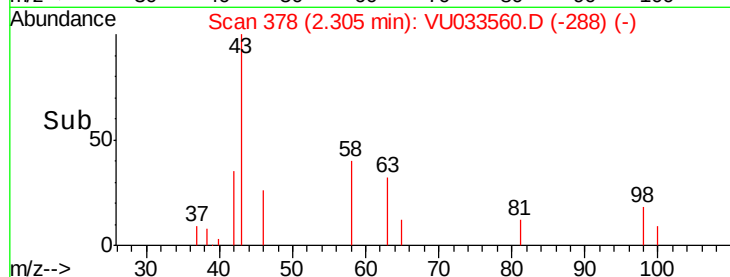
0

2.25

2.30

2.35

Time-->



#25

Chloroform

Concen: 0.556 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU033560.D

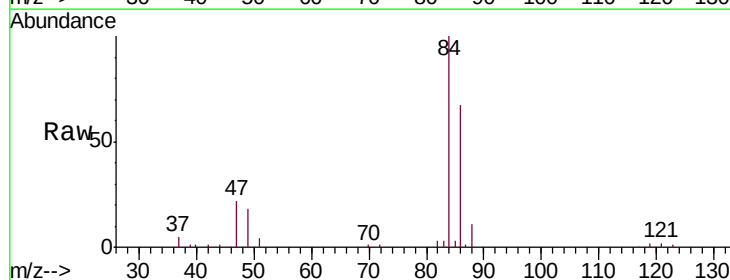
Acq: 02 Aug 2019 11:28

Tgt Ion: 83 Resp: 2265

Ion Ratio Lower Upper

83 100

85 101.7 45.6 84.8#



Abundance Ion 83.00 (82.70 to 83.70): VU033557.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033557.D (-1088) (-)

4.64

1500

1000

500

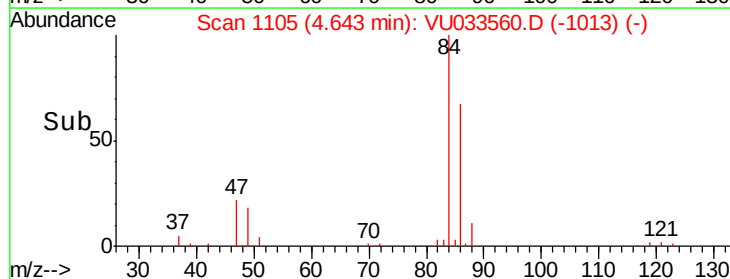
0

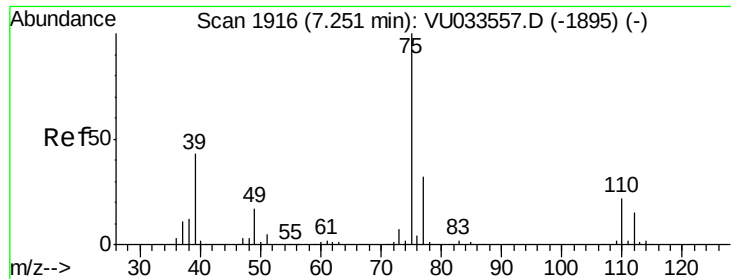
4.60

4.65

4.70

Time-->

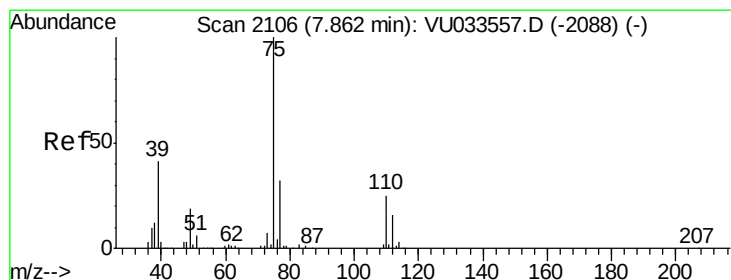
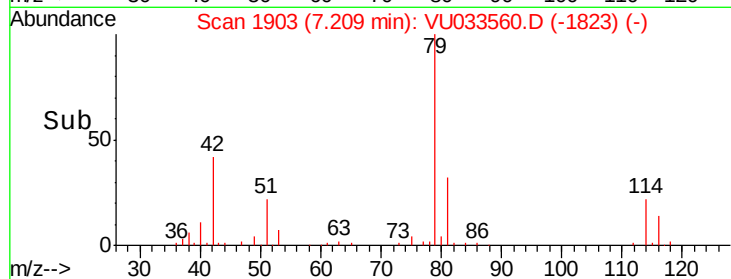
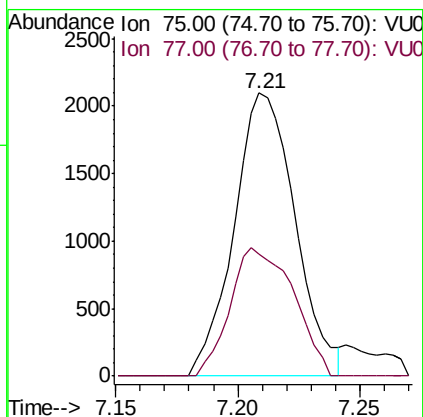
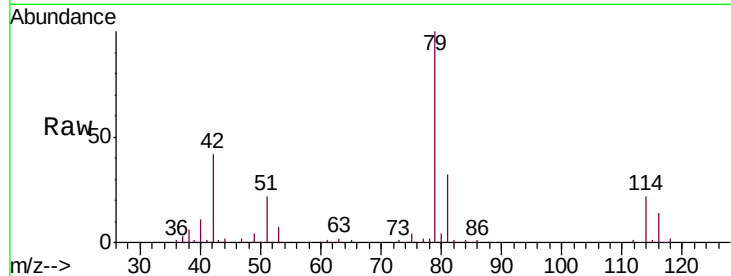




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.996 ug/L  
 RT: 7.21 min Scan# 1903  
 Delta R.T. -0.04 min  
 Lab File: VU033560.D  
 Acq: 02 Aug 2019 11:28

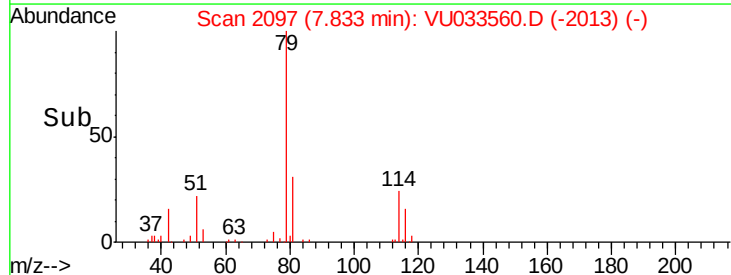
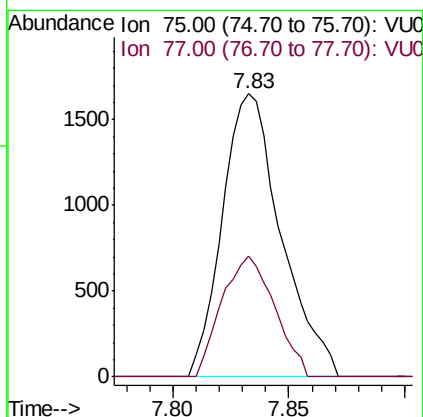
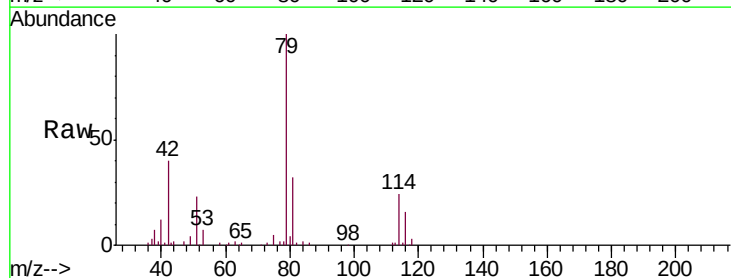
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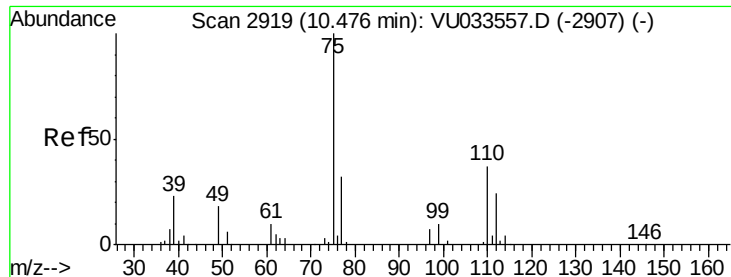
Tgt Ion: 75 Resp: 3648  
 Ion Ratio Lower Upper  
 75 100  
 77 43.3 22.3 41.5#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.878 ug/L  
 RT: 7.83 min Scan# 2097  
 Delta R.T. -0.03 min  
 Lab File: VU033560.D  
 Acq: 02 Aug 2019 11:28

Tgt Ion: 75 Resp: 2906  
 Ion Ratio Lower Upper  
 75 100  
 77 42.6 22.7 42.1#





#59

1,2,3-Trichloropropane

Concen: 5.512 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033560.D

Acq: 02 Aug 2019 11:28

Instrument :

MSVOA\_U

ClientSampleId :

DB9G1

Tgt Ion: 75 Resp: 17069

Ion Ratio Lower Upper

75 100

77 35.2 25.8 38.6

