

Data File : VU033533.D  
Acq On : 31 Jul 2019 18:23  
Operator : JC/SP  
Sample : K4103-10DL 40X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB9E6DL

Quant Time: Aug 01 07:27:06 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM073119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Aug 01 07:20:33 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 290384   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 291546   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 132942   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 100477   | 47.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.18%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 88326    | 48.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.52%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 147845   | 38.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.16%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 159006   | 113.71   | ug/L | -0.01   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 113.71% |
| 24) Chloroform-d               | 4.62    | 84    | 183425   | 51.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.66% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 122012   | 54.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.88% |
| 32) Benzene-d6                 | 5.32    | 84    | 374662   | 51.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.68% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 122427   | 54.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 108.08% |
| 41) Toluene-d8                 | 7.55    | 98    | 332907   | 49.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.32%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 55783    | 49.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.28%  |
| 47) 2-Hexanone-d5              | 8.30    | 63    | 114489   | 106.44   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.44% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 182628   | 52.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.56% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 134003   | 55.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.08% |

#### Target Compounds

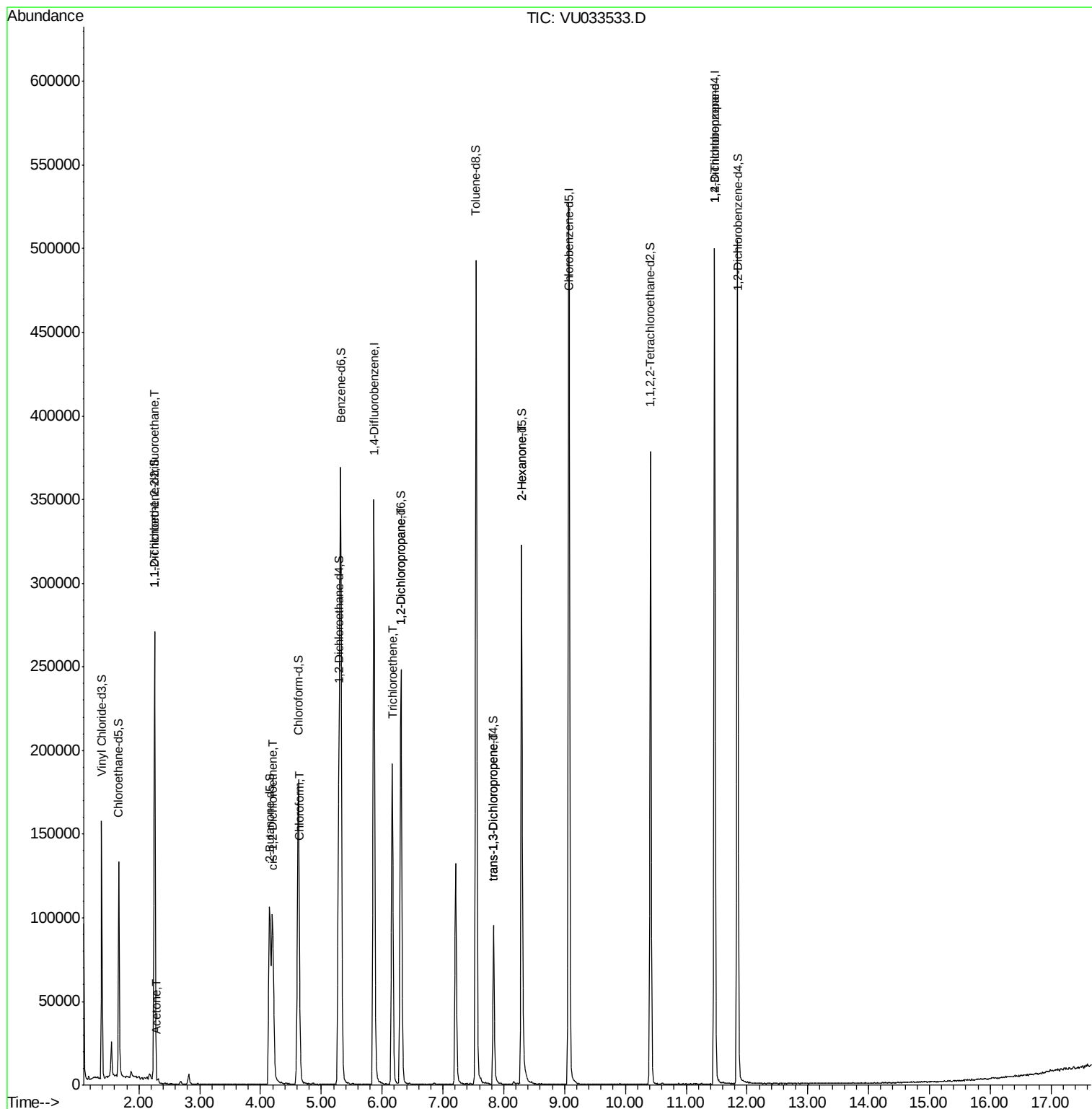
|                                |       |     |       |        | Qvalue |    |
|--------------------------------|-------|-----|-------|--------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 1333  | 0.680  | ug/L # | 19 |
| 13) Acetone                    | 2.30  | 43  | 805   | 0.563  | ug/L   | 65 |
| 20) cis-1,2-Dichloroethene     | 4.20  | 96  | 51827 | 23.437 | ug/L   | 97 |
| 25) Chloroform                 | 4.65  | 83  | 4746  | 1.220  | ug/L # | 62 |
| 34) Trichloroethene            | 6.16  | 95  | 65521 | 29.533 | ug/L   | 97 |
| 37) 1,2-Dichloropropane        | 6.31  | 63  | 13400 | 5.952  | ug/L # | 89 |
| 44) trans-1,3-Dichloropropene  | 7.83  | 75  | 2311  | 0.728  | ug/L   | 90 |
| 48) 2-Hexanone                 | 8.30  | 43  | 13271 | 5.282  | ug/L # | 69 |
| 59) 1,2,3-Trichloropropane     | 11.47 | 75  | 15165 | 5.103  | ug/L # | 88 |

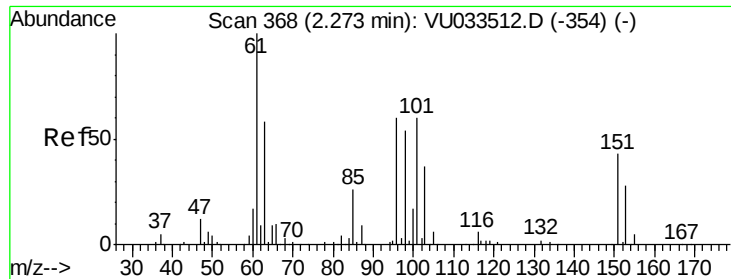
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.680 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033533.D

Acq: 31 Jul 2019 18:23

Instrument :

MSVOA\_U

ClientSampleId :

DB9E6DL

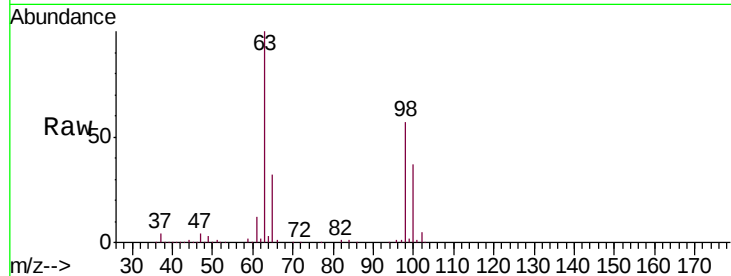
Tgt Ion:101 Resp: 1333

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

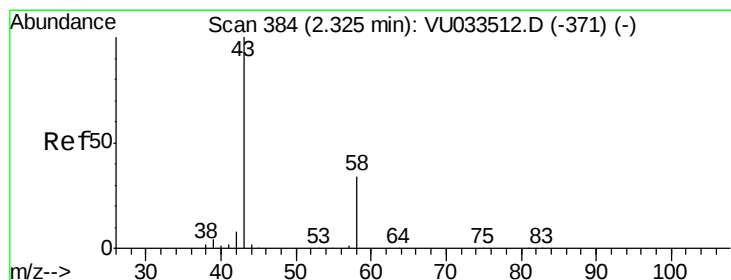
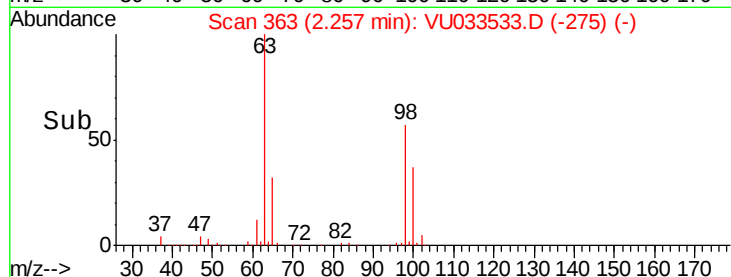
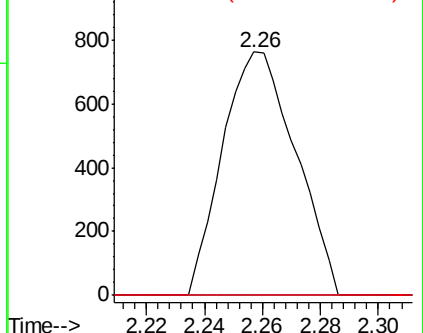
151 0.0 60.1 90.1#



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



#13

Acetone

Concen: 0.563 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.02 min

Lab File: VU033533.D

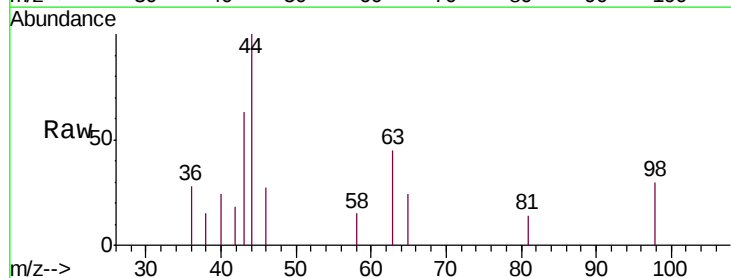
Acq: 31 Jul 2019 18:23

Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

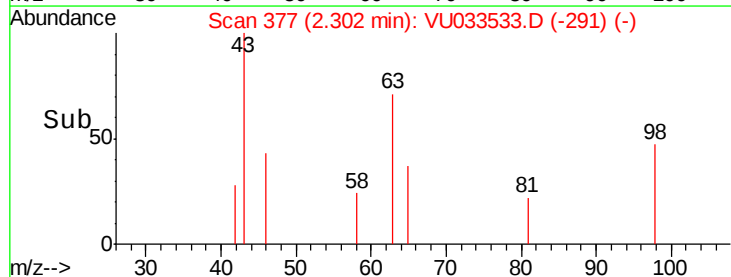
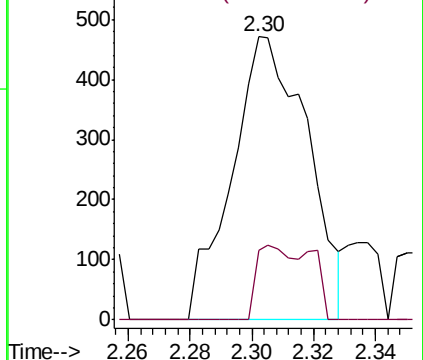
43 100

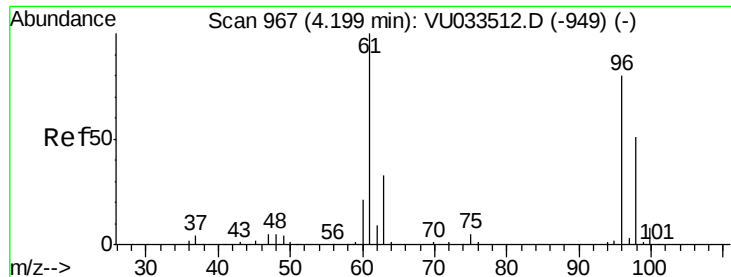
58 13.5 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

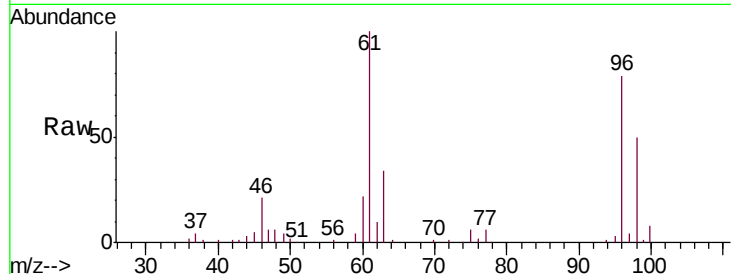




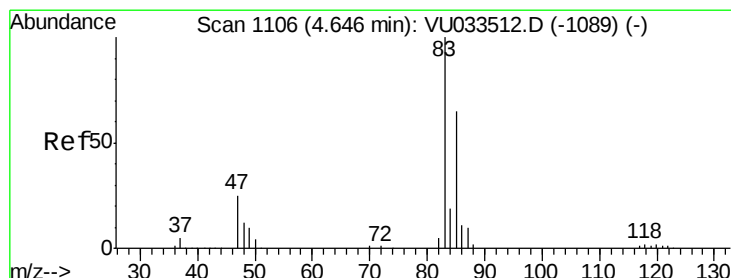
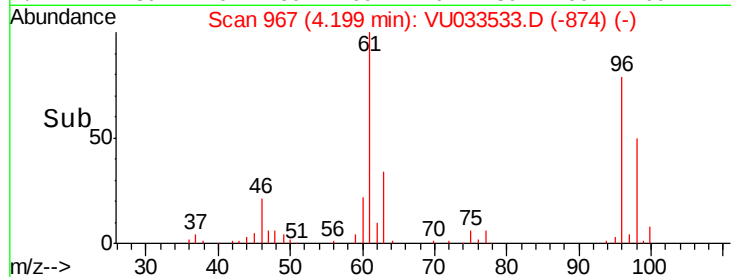
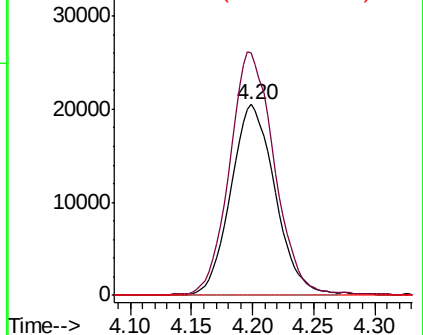
#20  
 cis-1,2-Dichloroethene  
 Concen: 23.437 ug/L  
 RT: 4.20 min Scan# 967  
 Delta R.T. -0.00 min  
 Lab File: VU033533.D  
 Acq: 31 Jul 2019 18:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB9E6DL

Tgt Ion: 96 Resp: 51827  
 Ion Ratio Lower Upper  
 96 100  
 61 127.0 91.3 169.6  
 68 0.0 0.0 0.0

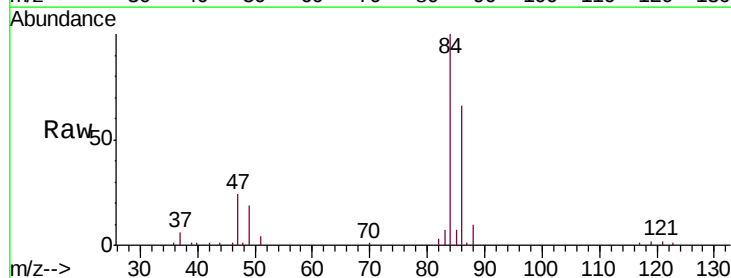


Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.00 (60.70 to 61.70): VU0  
 Ion 68.00 (67.70 to 68.70): VU0

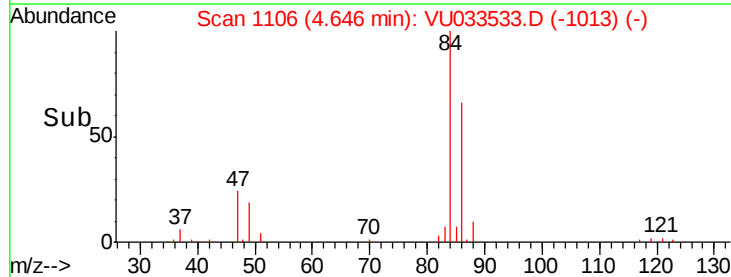
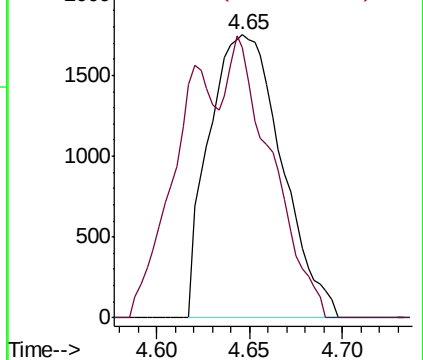


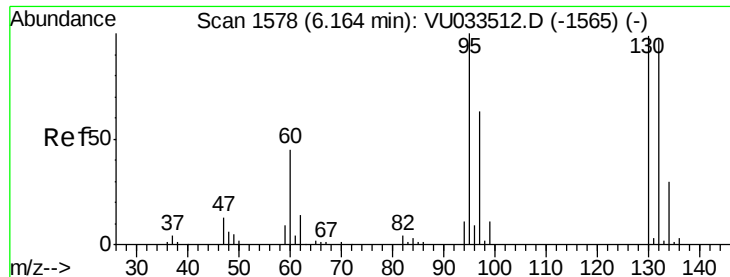
#25  
 Chloroform  
 Concen: 1.220 ug/L  
 RT: 4.65 min Scan# 1106  
 Delta R.T. -0.00 min  
 Lab File: VU033533.D  
 Acq: 31 Jul 2019 18:23

Tgt Ion: 83 Resp: 4746  
 Ion Ratio Lower Upper  
 83 100  
 85 95.6 45.6 84.8#



Abundance Ion 83.00 (82.70 to 83.70): VU0  
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 29.533 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033533.D

Acq: 31 Jul 2019 18:23

Instrument :

MSVOA\_U

ClientSampleId :

DB9E6DL

Tgt Ion: 95 Resp: 65521

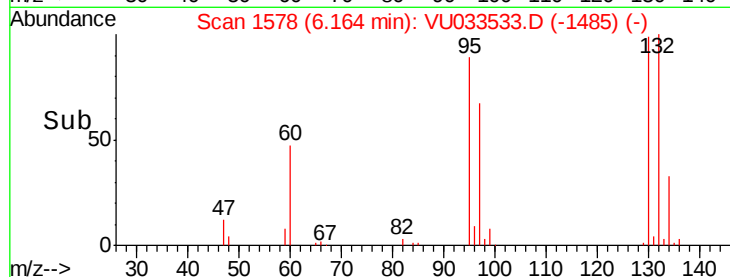
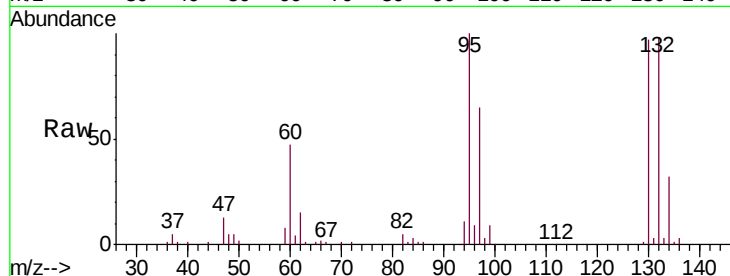
Ion Ratio Lower Upper

95 100

97 65.0 44.7 83.1

132 97.5 66.8 124.0

130 96.7 71.6 133.0



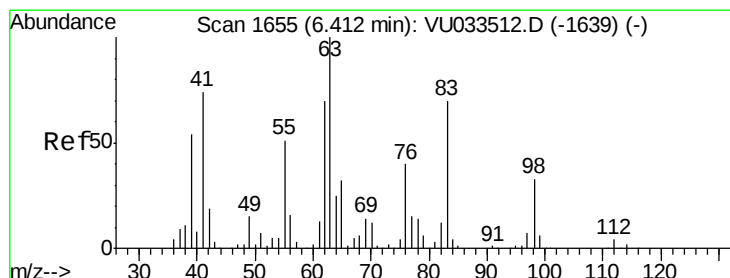
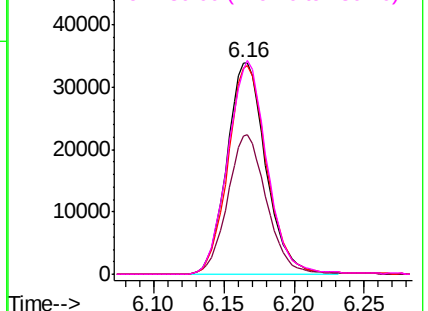
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.952 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033533.D

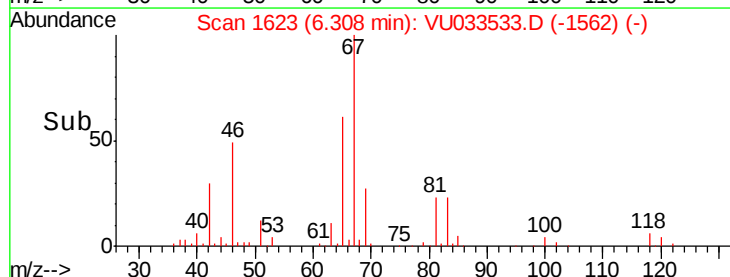
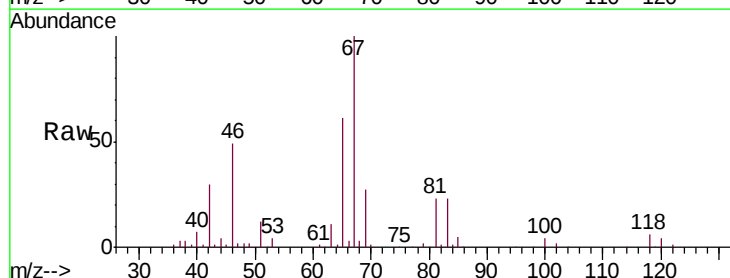
Acq: 31 Jul 2019 18:23

Tgt Ion: 63 Resp: 13400

Ion Ratio Lower Upper

63 100

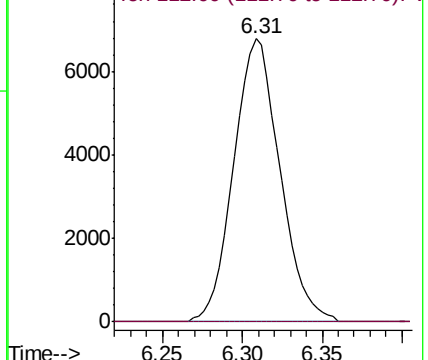
112 0.3 3.0 4.6#

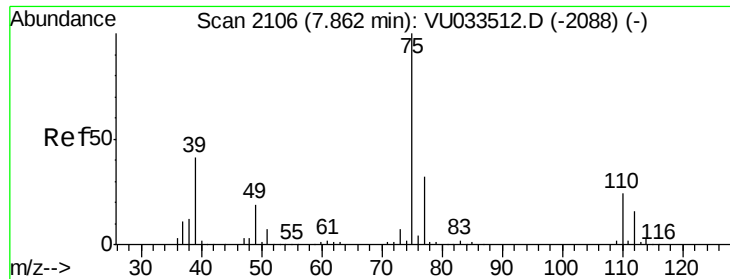


Abundance

Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

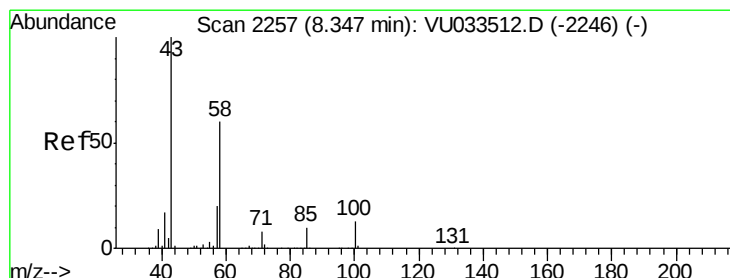
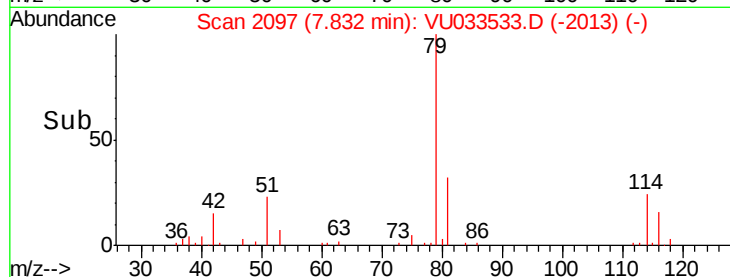
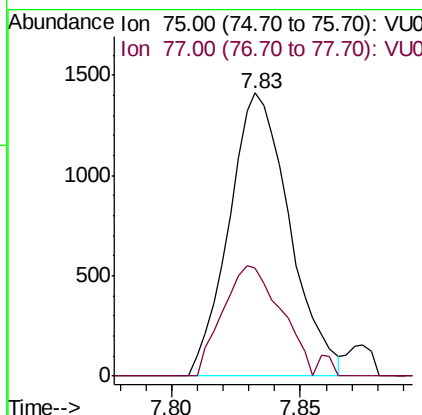
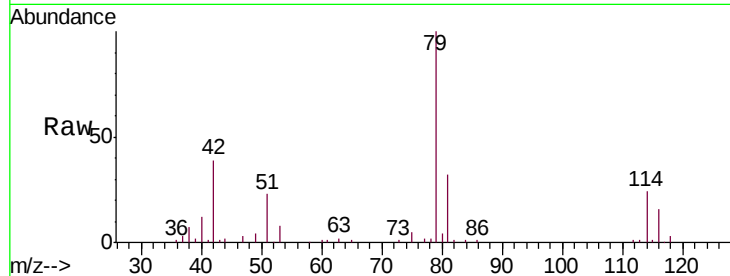




#44  
 trans-1,3-Dichloropropene  
 Concen: 0.728 ug/L  
 RT: 7.83 min Scan# 2097  
 Delta R.T. -0.03 min  
 Lab File: VU033533.D  
 Acq: 31 Jul 2019 18:23

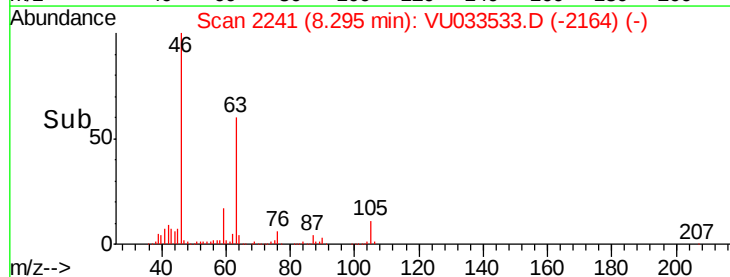
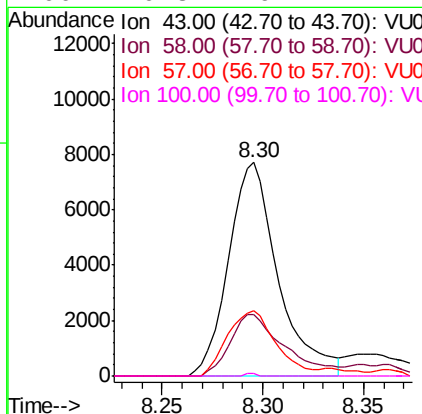
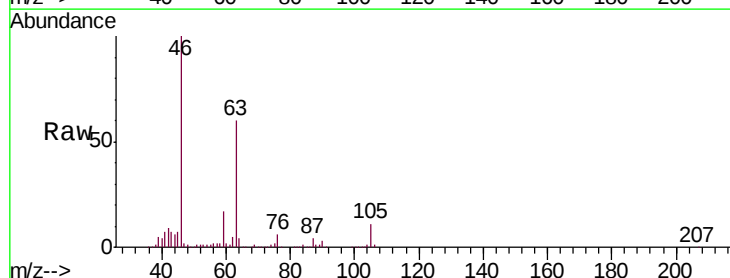
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 MSVOA\_U  
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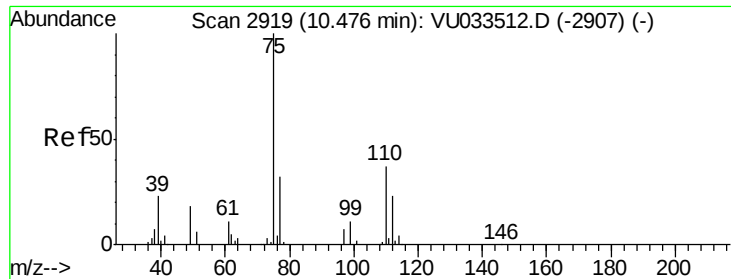
Tgt Ion: 75 Resp: 2311  
 Ion Ratio Lower Upper  
 75 100  
 77 38.2 22.7 42.1



#48  
 2-Hexanone  
 Concen: 5.282 ug/L  
 RT: 8.30 min Scan# 2241  
 Delta R.T. -0.05 min  
 Lab File: VU033533.D  
 Acq: 31 Jul 2019 18:23

Tgt Ion: 43 Resp: 13271  
 Ion Ratio Lower Upper  
 43 100  
 58 32.0 45.8 68.6#  
 57 29.8 15.8 23.6#  
 100 0.3 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 5.103 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033533.D

Acq: 31 Jul 2019 18:23

Instrument :

MSVOA\_U

ClientSampleId :

DB9E6DL

Tgt Ion: 75 Resp: 15165

Ion Ratio Lower Upper

75 100

77 38.7 25.8 38.6#

