

Data File : VU031444.D  
Acq On : 23 Apr 2019 17:32  
Operator : JC/SP  
Sample : K2536-13DL 5X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XG3DL

Quant Time: Apr 24 06:05:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 24 06:00:22 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 687814   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 655874   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 297409   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 243154   | 43.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.26%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 197876   | 46.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.26%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 357130   | 36.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.66%  |
| 21) 2-Butanone-d5              | 4.20    | 46    | 486080   | 116.66   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 116.66% |
| 24) Chloroform-d               | 4.64    | 84    | 442963   | 49.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.76%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 271846   | 51.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.20% |
| 32) Benzene-d6                 | 5.33    | 84    | 898927   | 47.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.88%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 289719   | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.04%  |
| 41) Toluene-d8                 | 7.56    | 98    | 764127   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.30%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 127350   | 45.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.68%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 333337   | 109.12   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.12% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 454449   | 54.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 109.88% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 299620   | 49.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.56%  |

#### Target Compounds

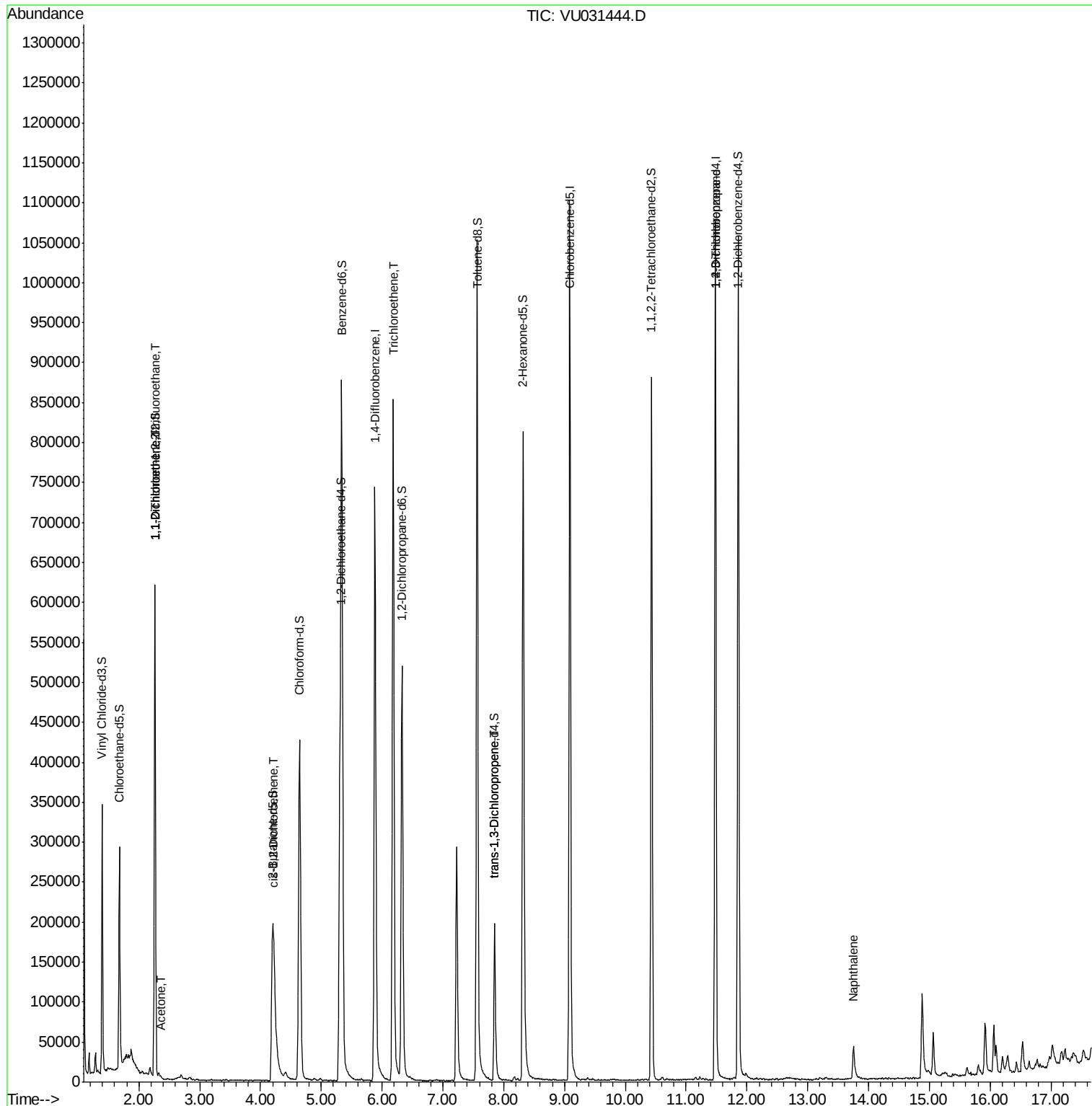
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 3294   | 0.773 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.26  | 96  | 2719   | 0.649 ug/L # | 1      |
| 13) Acetone                    | 2.36  | 43  | 4396   | 1.344 ug/L   | 100    |
| 20) cis-1,2-Dichloroethene     | 4.22  | 96  | 18075  | 3.686 ug/L   | 85     |
| 34) Trichloroethene            | 6.18  | 95  | 320984 | 63.855 ug/L  | 97     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 4789   | 0.734 ug/L # | 82     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 32339  | 5.182 ug/L   | 97     |
| 69) Naphthalene                | 13.76 | 128 | 49189  | 2.742 ug/L # | 93     |

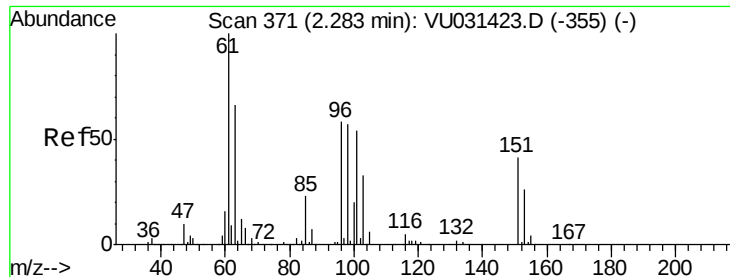
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 24 06:00:22 2019  
Response via : Initial Calibration





#10

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

Concen: 0.773 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031444.D

Acq: 23 Apr 2019 17:32

Instrument :

MSVOA\_U

ClientSampleId :

C0XG3DL

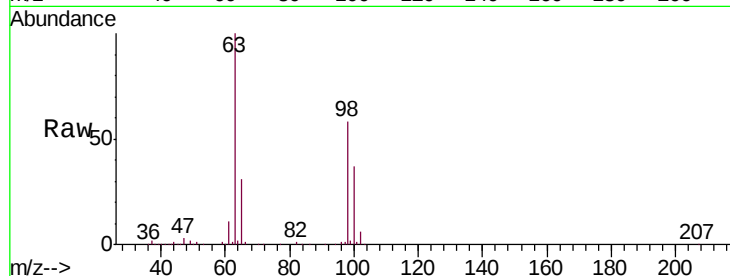
Tgt Ion: 101 Resp: 3294

Ion Ratio Lower Upper

101 100

85 1.9 33.1 49.7#

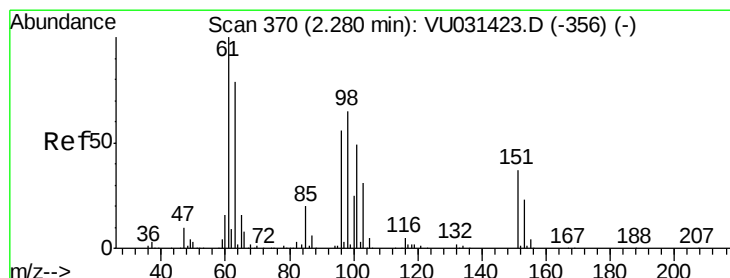
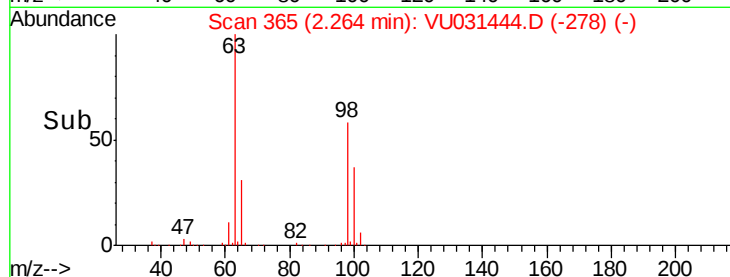
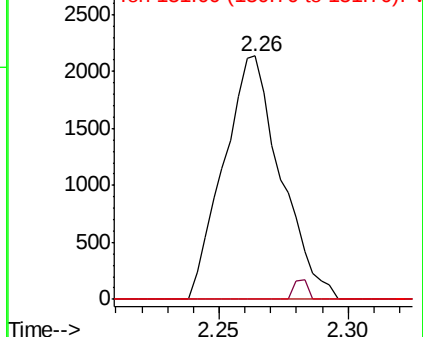
151 0.0 61.4 92.0#



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: 0.649 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.02 min

Lab File: VU031444.D

Acq: 23 Apr 2019 17:32

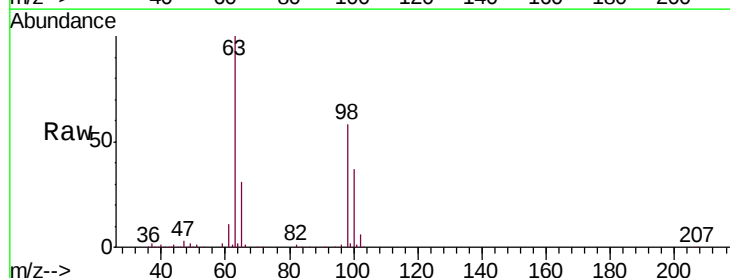
Tgt Ion: 96 Resp: 2719

Ion Ratio Lower Upper

96 100

61 1438.7 118.9 220.9#

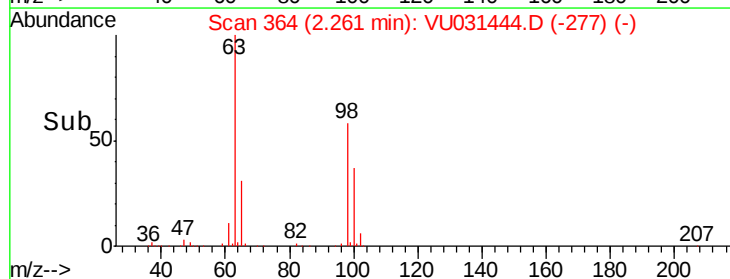
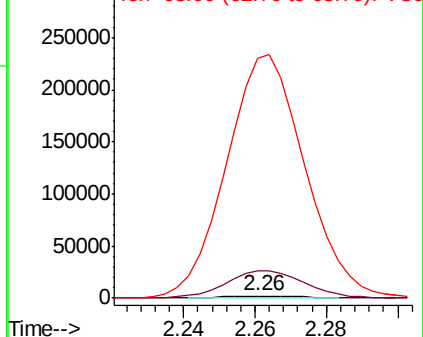
63 12878.8 99.3 184.3#

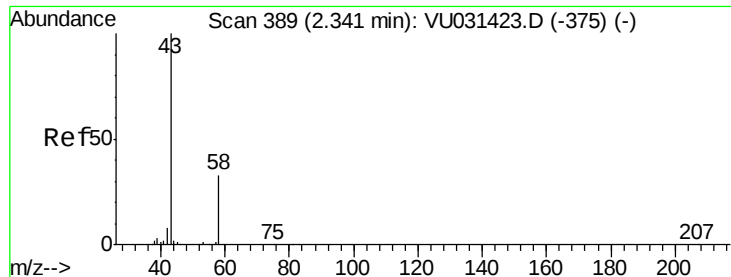


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.344 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.02 min

Lab File: VU031444.D

Acq: 23 Apr 2019 17:32

Instrument :

MSVOA\_U

ClientSampleId :

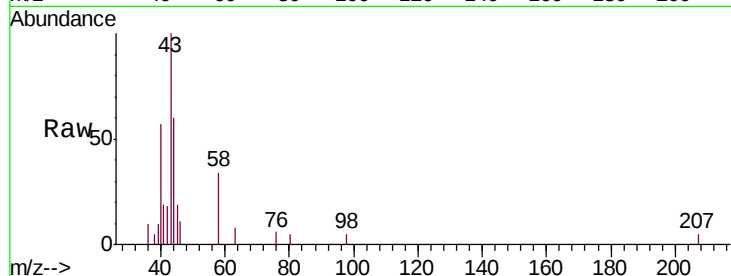
C0XG3DL

Tgt Ion: 43 Resp: 4396

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.4

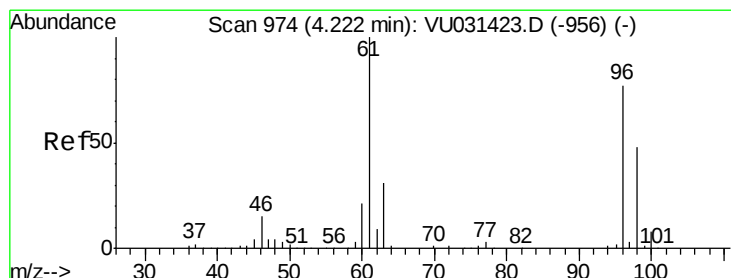
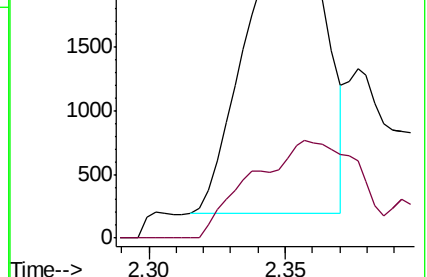
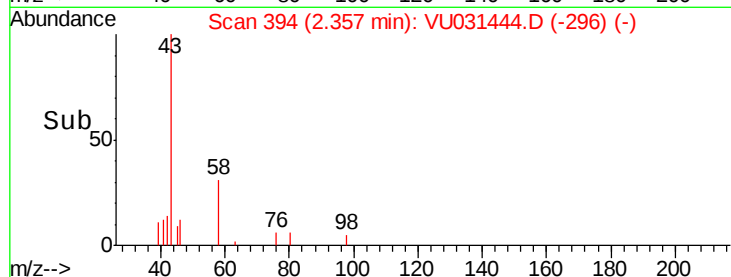


Abundance Ion 43.00 (42.70 to 43.70): VU031423.D (-375) (-)

Ion 58.00 (57.70 to 58.70): VU031423.D (-375) (-)

2.36

2.35



#20

cis-1,2-Dichloroethene

Concen: 3.686 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031444.D

Acq: 23 Apr 2019 17:32

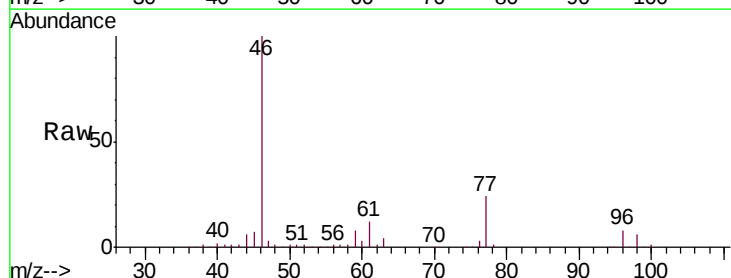
Tgt Ion: 96 Resp: 18075

Ion Ratio Lower Upper

96 100

61 149.3 91.9 170.7

68 0.0 0.0 0.0



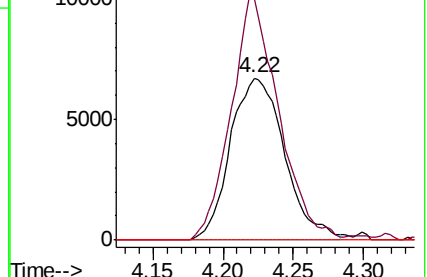
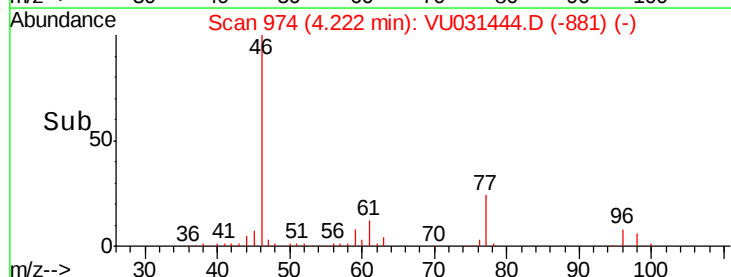
Abundance Ion 96.00 (95.70 to 96.70): VU031423.D (-956) (-)

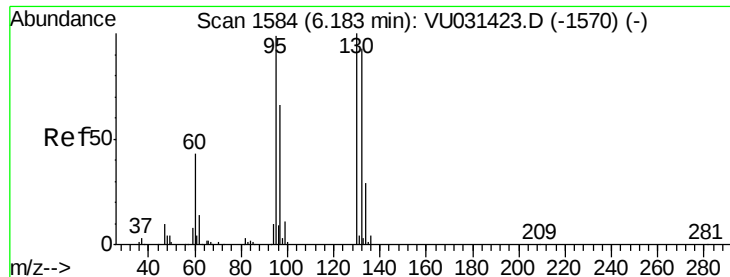
Ion 61.00 (60.70 to 61.70): VU031423.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU031423.D (-956) (-)

4.22

4.15 4.20 4.25 4.30





#34

Trichloroethene

Concen: 63.855 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031444.D

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Instrument :

MSVOA\_U

ClientSampleId :

C0XG3DL

Tgt Ion: 95 Resp: 320984

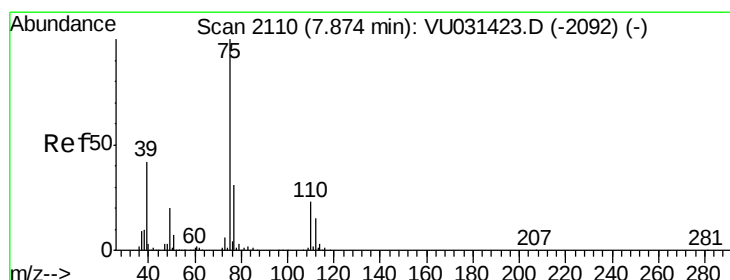
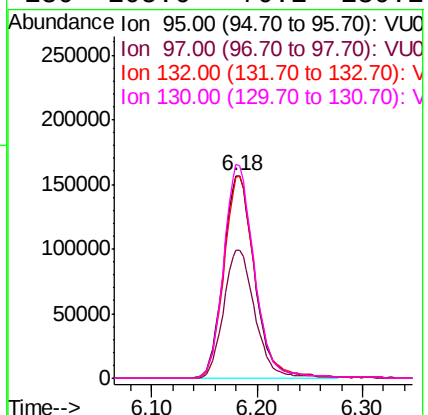
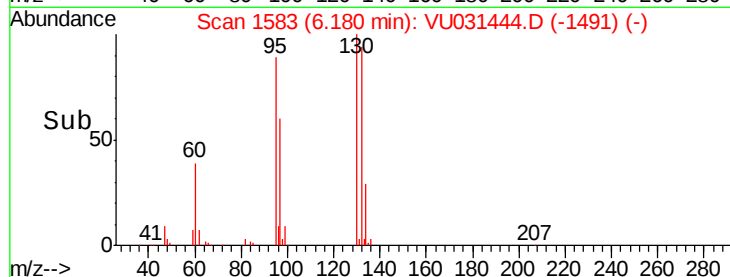
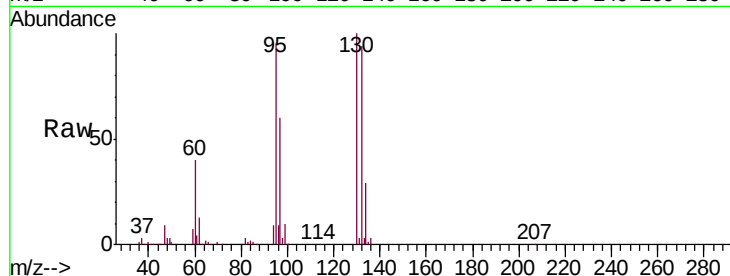
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.5

132 99.4 68.0 126.2

130 105.6 70.1 130.1



#44

trans-1,3-Dichloropropene

Concen: 0.734 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031444.D

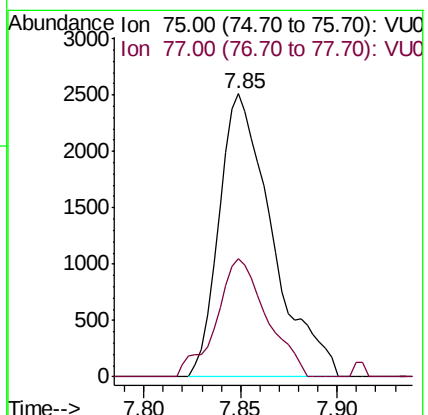
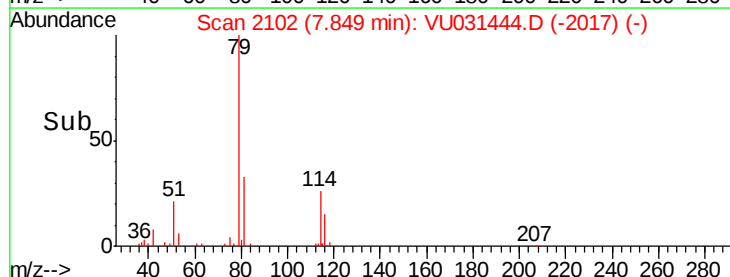
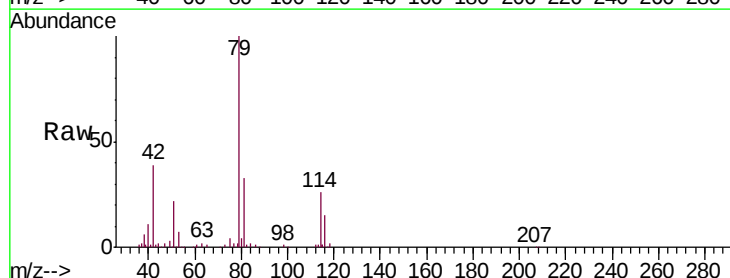
Acq: 23 Apr 2019 17:32

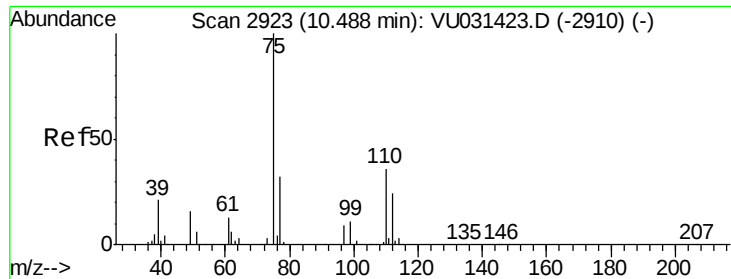
Tgt Ion: 75 Resp: 4789

Ion Ratio Lower Upper

75 100

77 42.0 22.3 41.3#

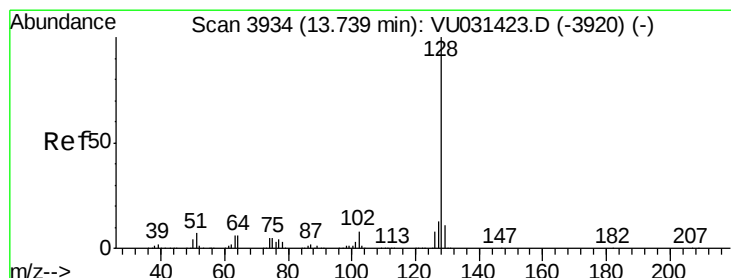
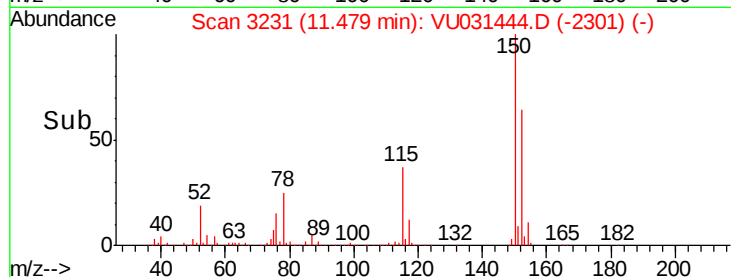
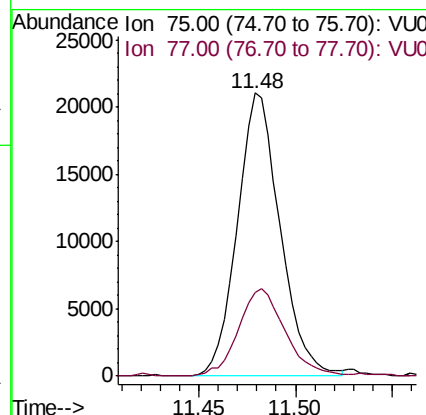
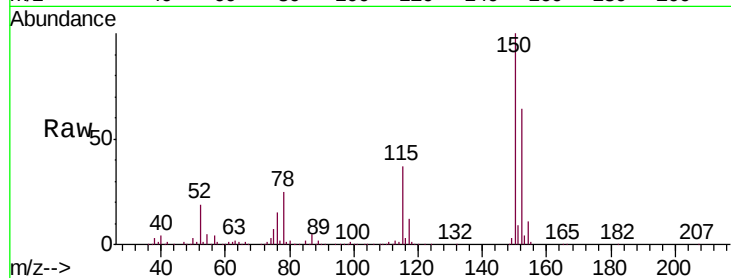




#59  
 1,2,3-Trichloropropane  
 Concen: 5.182 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
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 MSVOA\_U  
 ClientSampleId :  
 C0XG3DL

Tgt Ion: 75 Resp: 32339  
 Ion Ratio Lower Upper  
 75 100  
 77 33.6 25.6 38.4



#69  
 Naphthalene  
 Concen: 2.742 ug/L  
 RT: 13.76 min Scan# 3939  
 Delta R.T. 0.02 min  
 Lab File: VU031444.D  
 Acq: 23 Apr 2019 17:32

Tgt Ion: 128 Resp: 49189  
 Ion Ratio Lower Upper  
 128 100  
 127 8.2 10.2 15.4#  
 129 10.0 8.6 13.0

