

Data File : VU033084.D  
Acq On : 28 Jun 2019 20:43  
Operator : JC/SP  
Sample : K3597-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM64

Quant Time: Jun 29 01:03:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jun 29 00:59:26 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 83336    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 84886    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 40629    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 18024    | 3.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 65.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 17311    | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 76.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 30962    | 2.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 51.40%# |
| 20) 2-Butanone-d5              | 4.19   | 46    | 83633    | 49.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.32%  |
| 24) Chloroform-d               | 4.64   | 84    | 47583    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 28766    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40%  |
| 32) Benzene-d6                 | 5.33   | 84    | 82151    | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 28897    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 84.60%  |
| 41) Toluene-d8                 | 7.56   | 98    | 69620    | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 68.80%# |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 10442    | 3.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.00%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 52076    | 43.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 25808    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 32393    | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 84.20%  |

#### Target Compounds

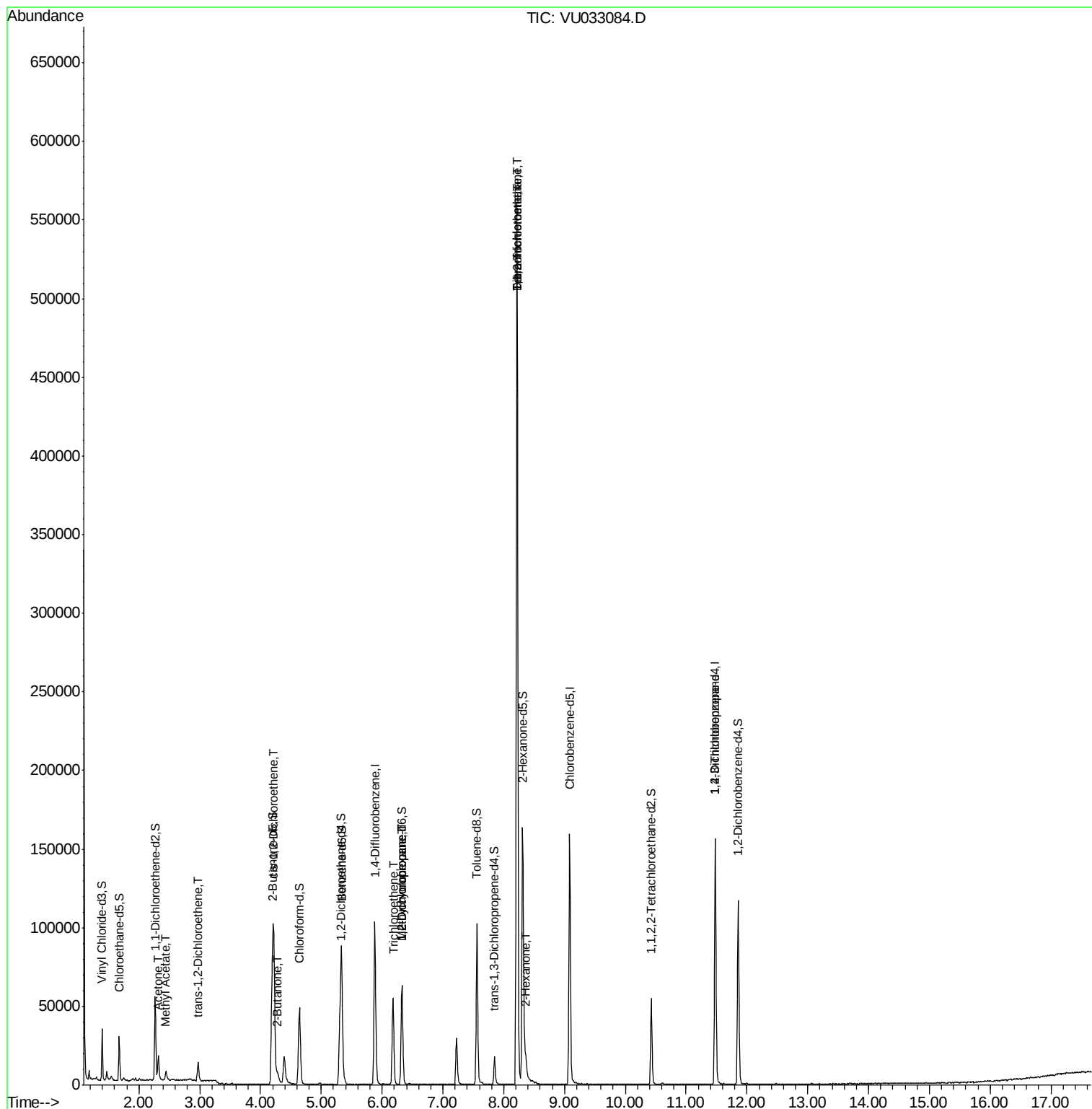
|                              |       |     |        |               | Qvalue |
|------------------------------|-------|-----|--------|---------------|--------|
| 13) Acetone                  | 2.32  | 43  | 17768  | 12.520 ug/L   | 99     |
| 15) Methyl Acetate           | 2.45  | 43  | 1615   | 0.492 ug/L #  | 56     |
| 18) trans-1,2-Dichloroethene | 2.97  | 96  | 4102   | 0.676 ug/L    | 85     |
| 21) 2-Butanone               | 4.28  | 43  | 8160   | 4.085 ug/L    | 95     |
| 22) cis-1,2-Dichloroethene   | 4.22  | 96  | 44566  | 6.757 ug/L    | 99     |
| 34) Trichloroethene          | 6.18  | 95  | 17970  | 2.622 ug/L    | 100    |
| 35) Methylcyclohexane        | 6.33  | 83  | 6999   | 0.686 ug/L #  | 19     |
| 37) 1,2-Dichloropropane      | 6.32  | 63  | 3603   | 0.537 ug/L #  | 87     |
| 45) 1,1,2-Trichloroethane    | 8.22  | 97  | 1078   | 0.229 ug/L #  | 1      |
| 47) Tetrachloroethene        | 8.22  | 164 | 121378 | 22.016 ug/L   | 98     |
| 48) 2-Hexanone               | 8.36  | 43  | 7174   | 2.167 ug/L #  | 79     |
| 49) Dibromochloromethane     | 8.22  | 129 | 114702 | 19.210 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane   | 11.48 | 75  | 5125   | 1.141 ug/L    | 91     |

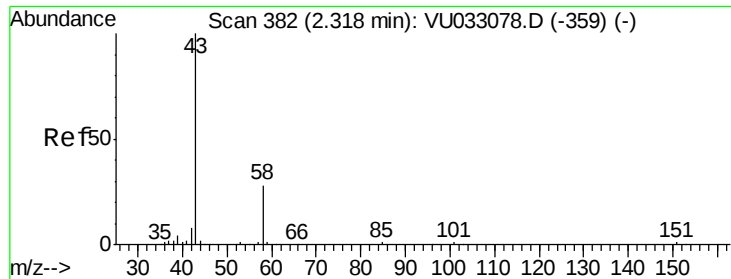
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GAM64

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062719WMA.M  
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Response via : Initial Calibration





#13

Acetone

Concen: 12.520 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

Instrument :

MSVOA\_U

ClientSampleId :

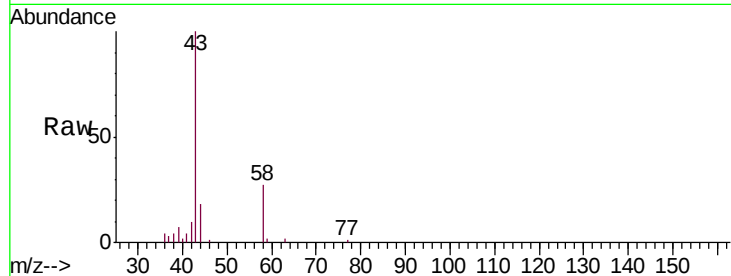
GAM64

Tgt Ion: 43 Resp: 17768

Ion Ratio Lower Upper

43 100

58 26.2 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU033078.D (-359) (-)

12000

10000

8000

6000

4000

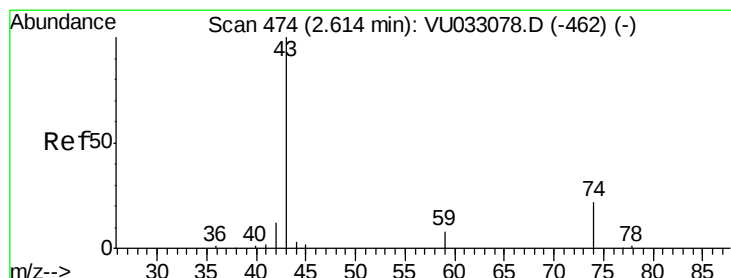
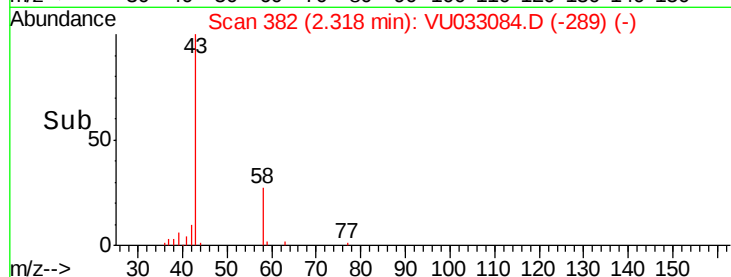
2000

0

Time-->

2.25 2.30 2.35 2.40

2.32



#15

Methyl Acetate

Concen: 0.492 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.17 min

Lab File: VU033084.D

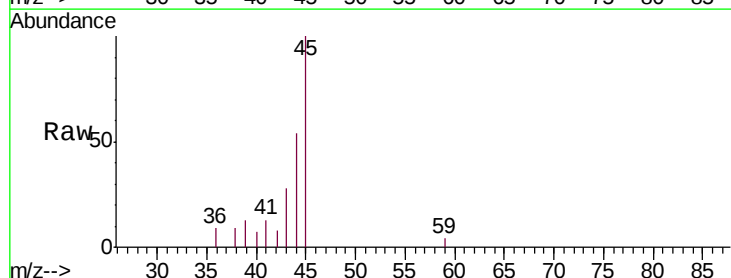
Acq: 28 Jun 2019 20:43

Tgt Ion: 43 Resp: 1615

Ion Ratio Lower Upper

43 100

74 0.0 16.1 24.1#



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-462) (-)

Ion 74.05 (73.75 to 74.75): VU033078.D (-462) (-)

1000

800

600

400

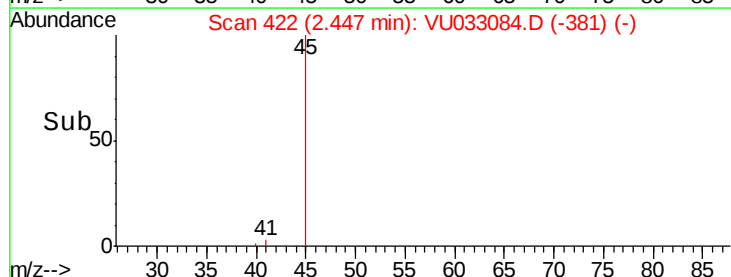
200

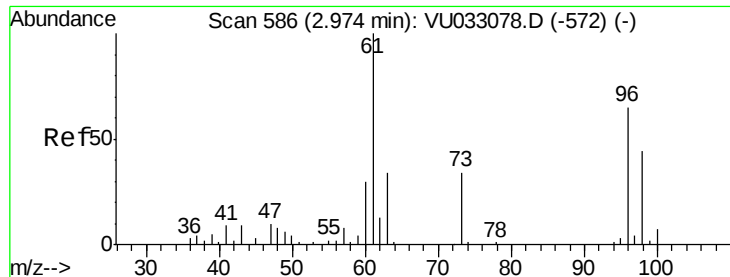
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Time-->

2.40 2.45 2.50

2.45

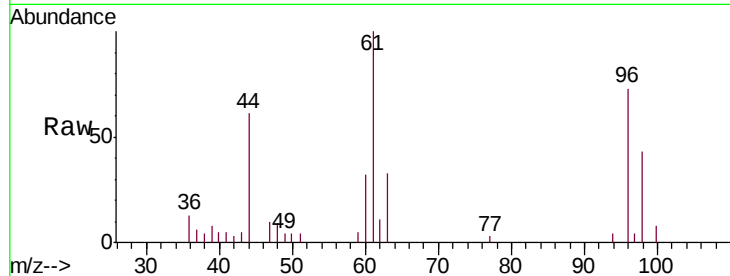




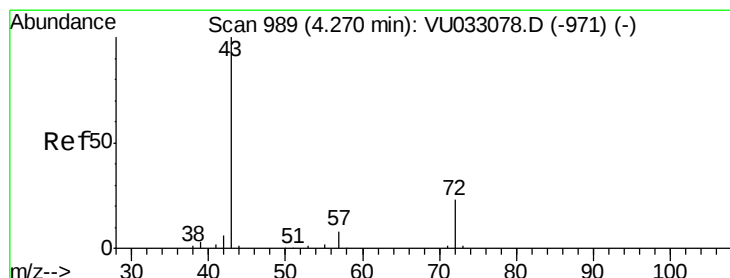
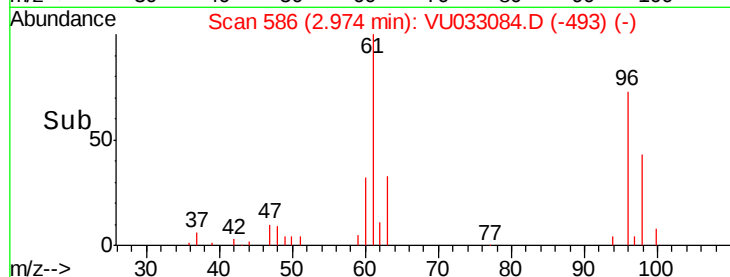
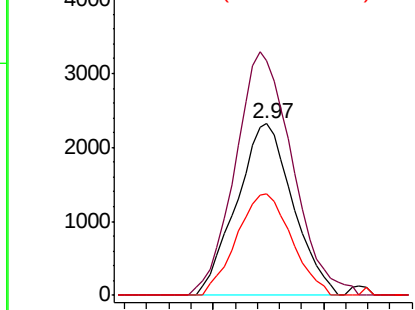
#18  
 trans-1,2-Dichloroethene  
 Concen: 0.676 ug/L  
 RT: 2.97 min Scan# 586  
 Delta R.T. 0.00 min  
 Lab File: VU033084.D  
 Acq: 28 Jun 2019 20:43

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 GAM64

Tgt Ion: 96 Resp: 4102  
 Ion Ratio Lower Upper  
 96 100  
 61 137.0 112.2 208.4  
 98 59.5 45.4 84.4

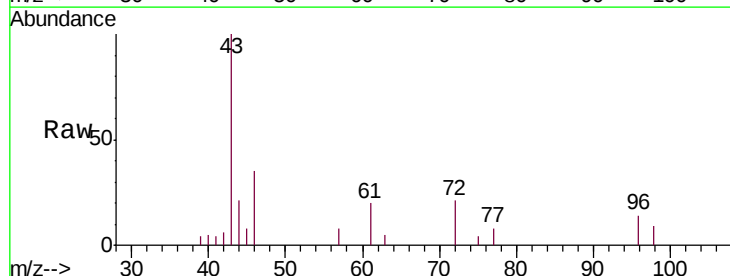


Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 97.95 (97.65 to 98.65): VU0

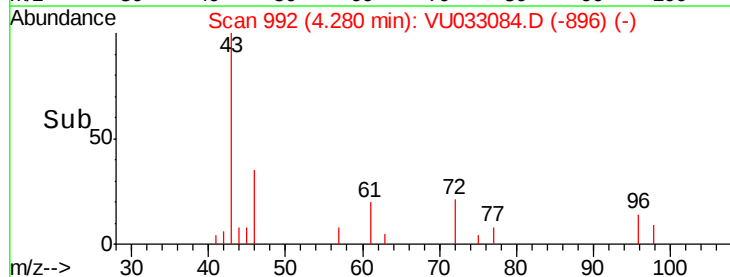
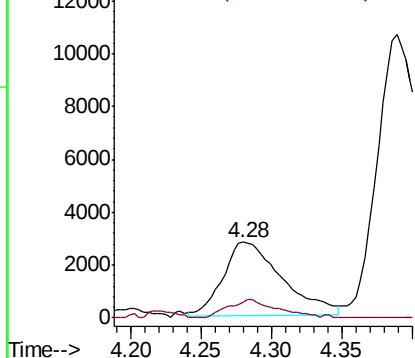


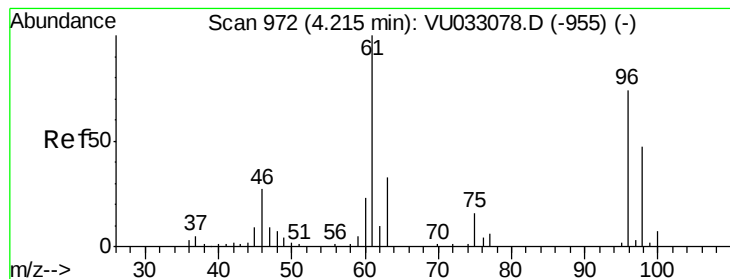
#21  
 2-Butanone  
 Concen: 4.085 ug/L  
 RT: 4.28 min Scan# 992  
 Delta R.T. 0.01 min  
 Lab File: VU033084.D  
 Acq: 28 Jun 2019 20:43

Tgt Ion: 43 Resp: 8160  
 Ion Ratio Lower Upper  
 43 100  
 72 20.7 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU0  
 Ion 72.10 (71.80 to 72.80): VU0



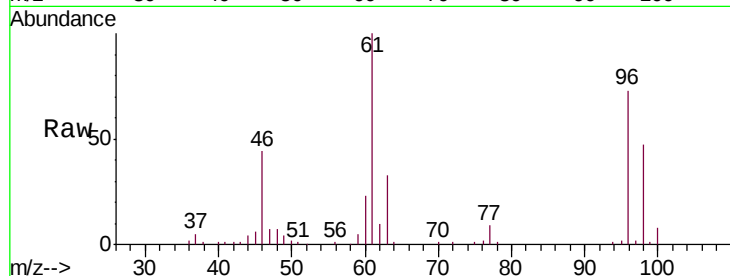


#22

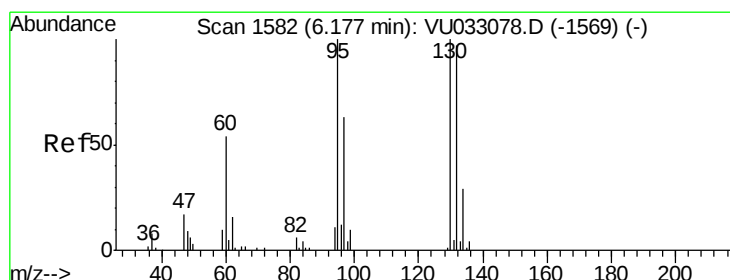
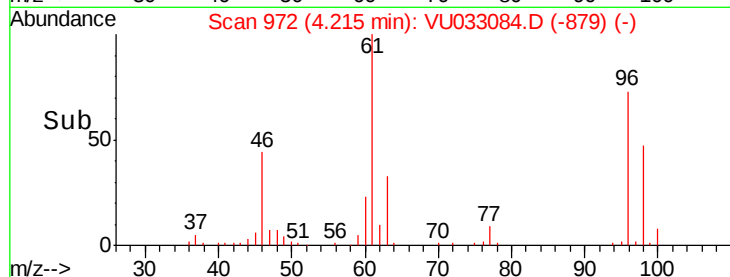
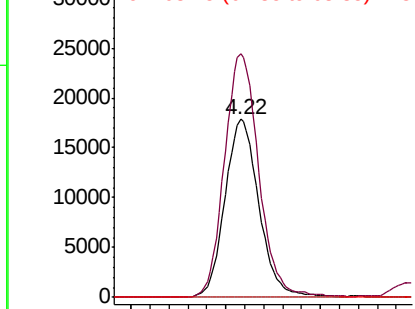
cis-1,2-Dichloroethene  
Concen: 6.757 ug/L  
RT: 4.22 min Scan# 972  
Delta R.T. 0.00 min  
Lab File: VU033084.D  
Acq: 28 Jun 2019 20:43

Instrument :  
MSVOA\_U  
ClientSampled :  
GAM64

Tgt Ion: 96 Resp: 44566  
Ion Ratio Lower Upper  
96 100  
61 137.0 94.6 175.8  
68 0.0 0.0 0.0



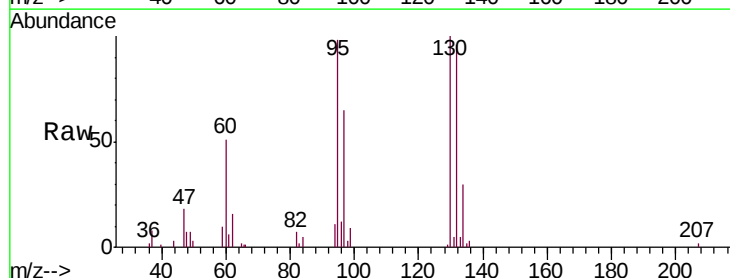
Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 68.15 (67.85 to 68.85): VU0



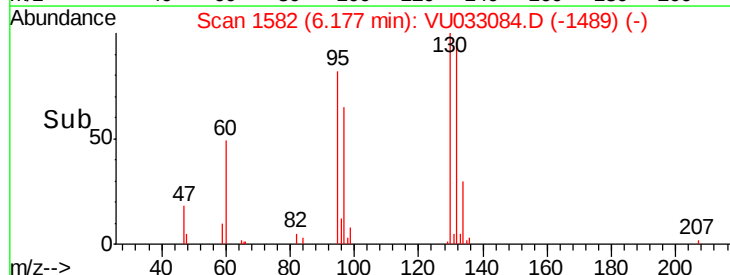
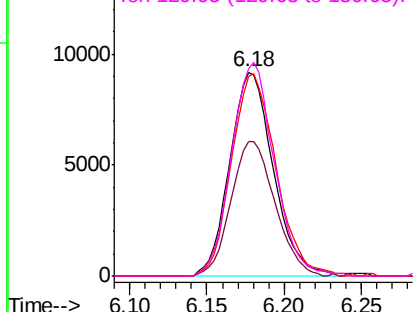
#34

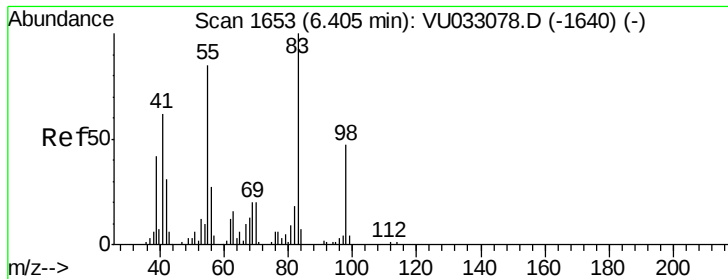
Trichloroethene  
Concen: 2.622 ug/L  
RT: 6.18 min Scan# 1582  
Delta R.T. 0.00 min  
Lab File: VU033084.D  
Acq: 28 Jun 2019 20:43

Tgt Ion: 95 Resp: 17970  
Ion Ratio Lower Upper  
95 100  
97 66.0 46.0 85.4  
132 98.2 68.6 127.4  
130 101.8 71.1 132.1



Abundance Ion 95.00 (94.70 to 95.70): VU0  
Ion 96.95 (96.65 to 97.65): VU0  
Ion 131.95 (131.65 to 132.65): V  
Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.686 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

Instrument :

MSVOA\_U

ClientSampleId :

GAM64

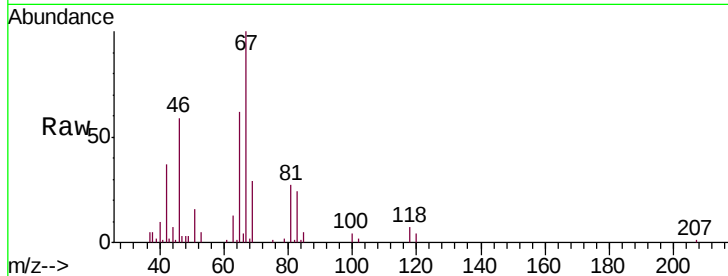
Tgt Ion: 83 Resp: 6999

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

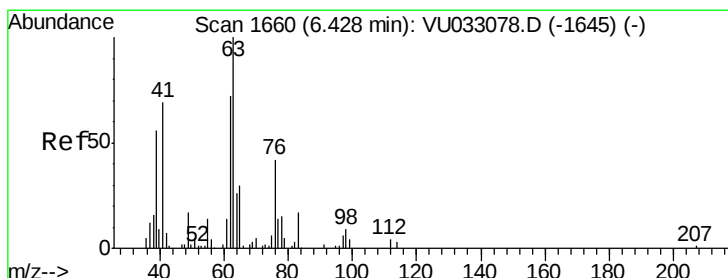
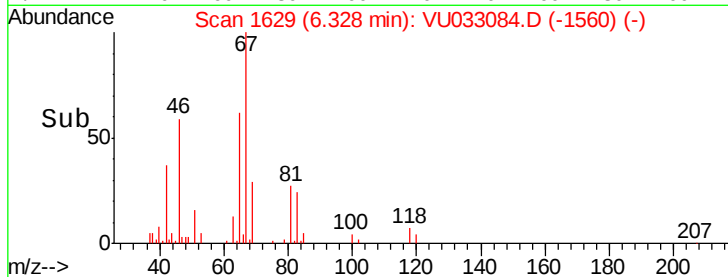
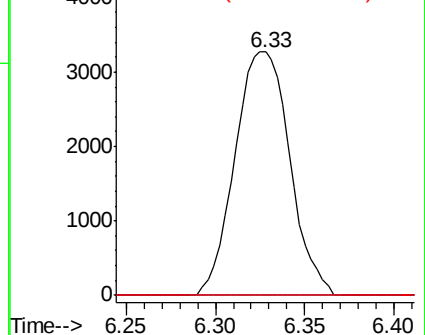
98 6.3 37.7 56.5#



Abundance Ion 83.15 (82.85 to 83.85): VU033078.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU033078.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU033078.D (-1640) (-)



#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033084.D

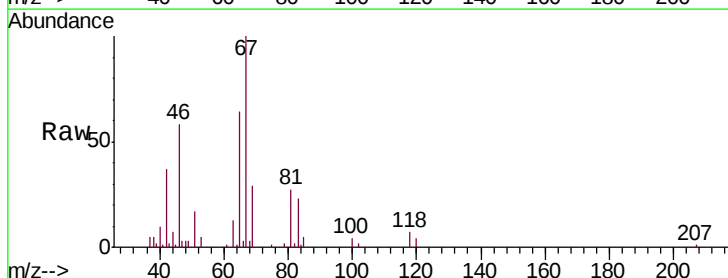
Acq: 28 Jun 2019 20:43

Tgt Ion: 63 Resp: 3603

Ion Ratio Lower Upper

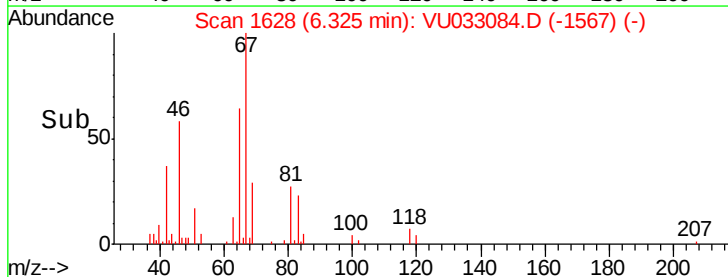
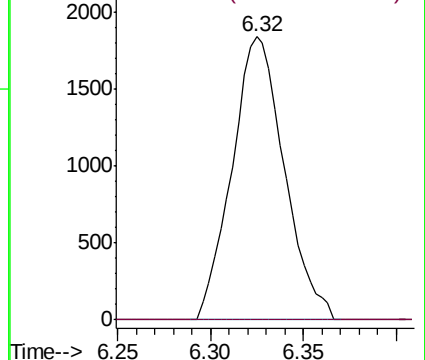
63 100

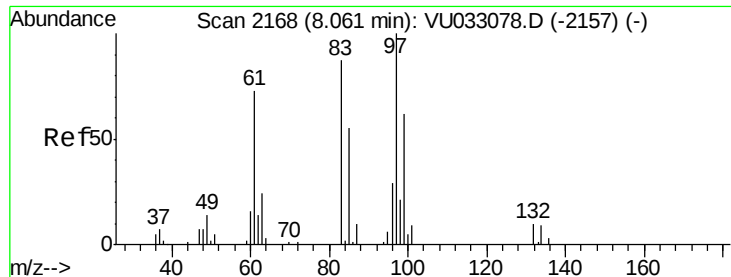
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU033078.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU033078.D (-1645) (-)

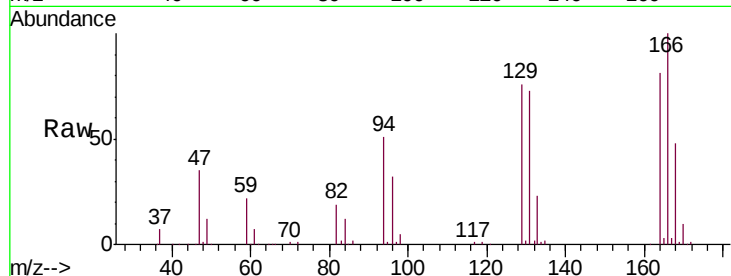




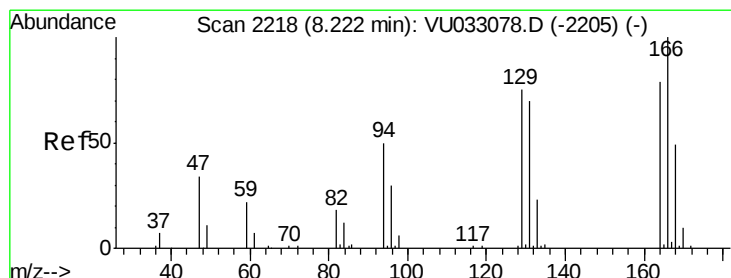
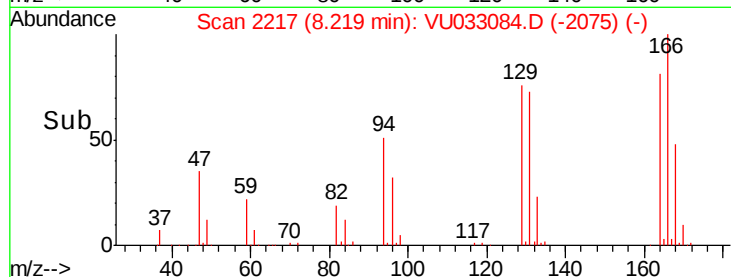
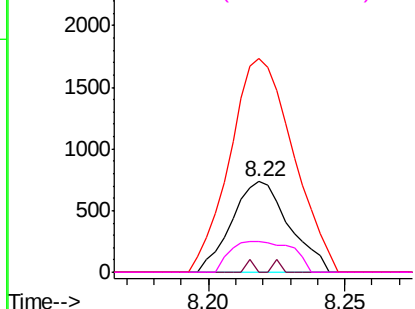
#45  
1,1,2-Trichloroethane  
Concen: 0.229 ug/L  
RT: 8.22 min Scan# 2217  
Delta R.T. 0.16 min  
Lab File: VU033084.D  
Acq: 28 Jun 2019 20:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM64

Tgt Ion: 97 Resp: 1078  
Ion Ratio Lower Upper  
97 100  
99 0.0 44.7 83.1#  
83 235.8 62.6 116.2#  
85 34.0 40.5 75.1#



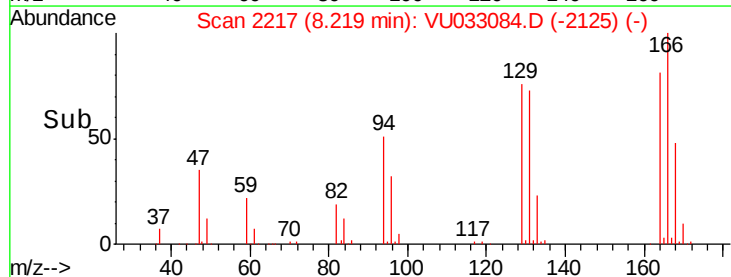
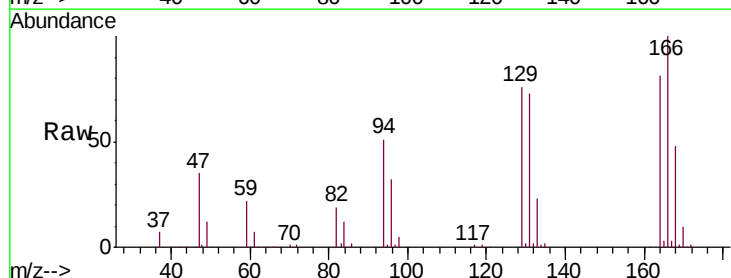
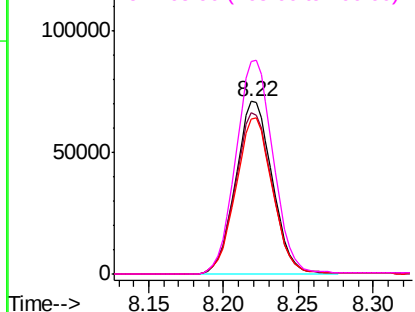
Abundance Ion 96.95 (96.65 to 97.65): VU0  
Ion 99.05 (98.75 to 99.75): VU0  
Ion 82.95 (82.65 to 83.65): VU0  
Ion 85.00 (84.70 to 85.70): VU0

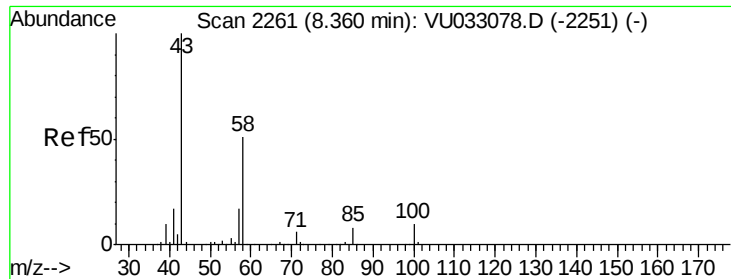


#47  
Tetrachloroethene  
Concen: 22.016 ug/L  
RT: 8.22 min Scan# 2217  
Delta R.T. -0.00 min  
Lab File: VU033084.D  
Acq: 28 Jun 2019 20:43

Tgt Ion: 164 Resp: 121378  
Ion Ratio Lower Upper  
164 100  
129 93.3 64.9 120.5  
131 90.1 63.5 117.9  
166 123.4 89.1 165.5

Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

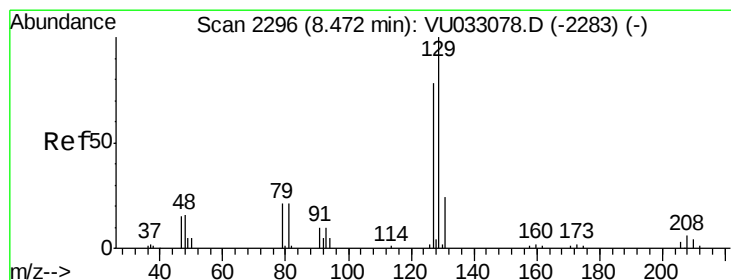
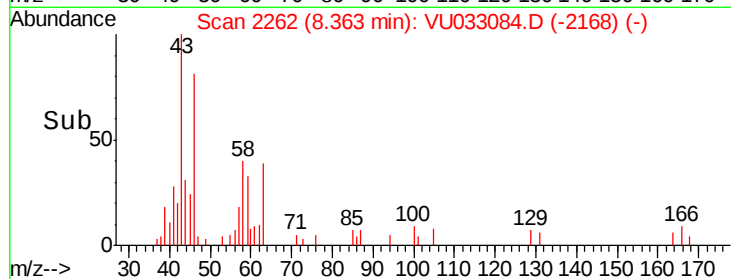
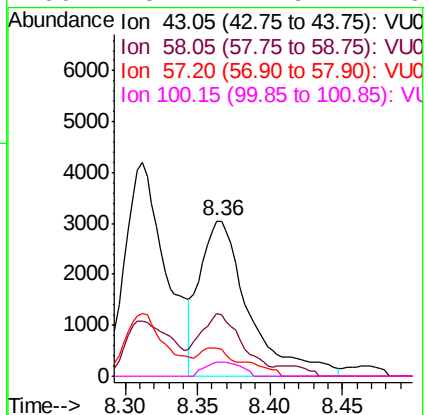
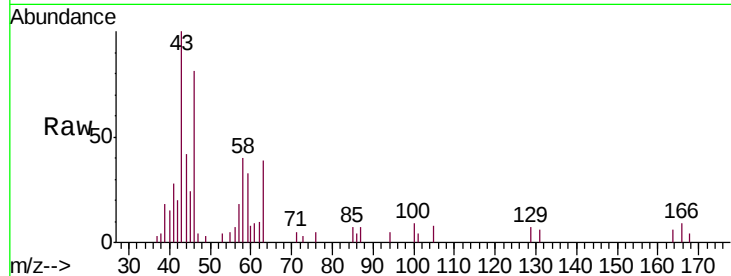




#48  
2-Hexanone  
Concen: 2.167 ug/L  
RT: 8.36 min Scan# 2262  
Delta R.T. 0.00 min  
Lab File: VU033084.D  
Acq: 28 Jun 2019 20:43

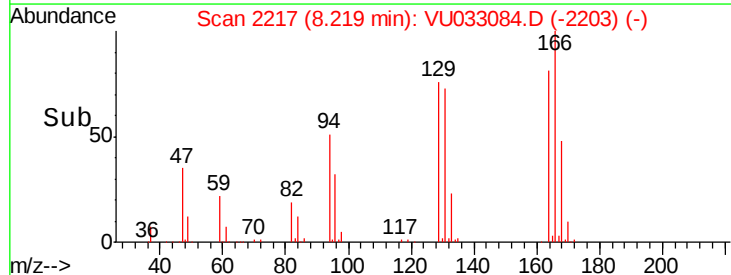
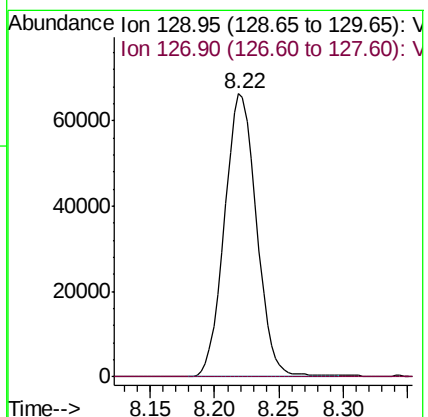
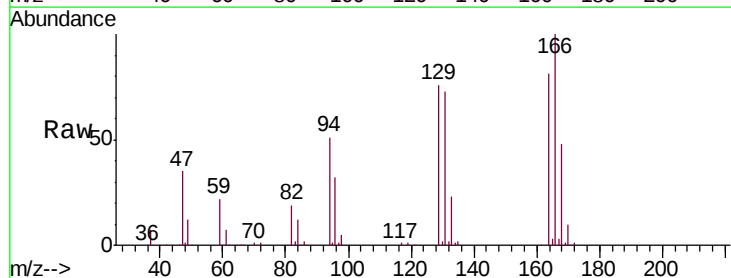
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM64

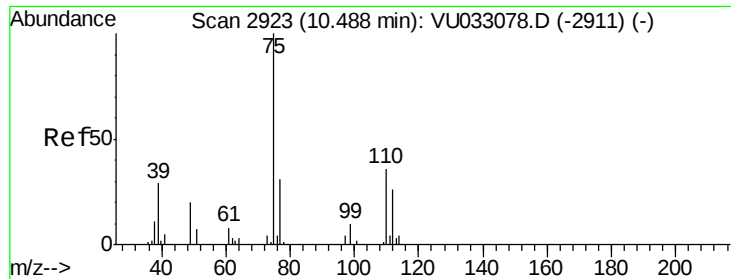
Tgt Ion: 43 Resp: 7174  
Ion Ratio Lower Upper  
43 100  
58 29.6 40.0 60.0#  
57 16.2 14.0 21.0  
100 6.7 7.9 11.9#



#49  
Dibromochloromethane  
Concen: 19.210 ug/L  
RT: 8.22 min Scan# 2217  
Delta R.T. -0.25 min  
Lab File: VU033084.D  
Acq: 28 Jun 2019 20:43

Tgt Ion: 129 Resp: 114702  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.0 100.4#





#59

1,2,3-Trichloropropane

Concen: 1.141 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

Instrument :

MSVOA\_U

ClientSampleId :

GAM64

Tgt Ion: 75 Resp: 5125

Ion Ratio Lower Upper

75 100

77 36.8 25.4 38.2

