

Data File : VU035811.D  
Acq On : 21 Nov 2019 18:28  
Operator : JC/SP  
Sample : K5930-15 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
B0AC8

Quant Time: Nov 22 01:38:14 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 22 01:33:44 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 220851   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 258660   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 90750    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 139630   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 130971   | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.80% |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 207121   | 3.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.20%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 360413   | 53.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.96% |
| 24) Chloroform-d               | 5.11   | 84    | 258022   | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.60% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 146770   | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.00% |
| 32) Benzene-d6                 | 5.77   | 84    | 471627   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 167944   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.00% |
| 41) Toluene-d8                 | 7.93   | 98    | 380599   | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.60%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 54690    | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.40%  |
| 46) 2-Hexanone-d5              | 8.70   | 63    | 226901   | 43.63    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.26%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 132551   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 102499   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.00% |

#### Target Compounds

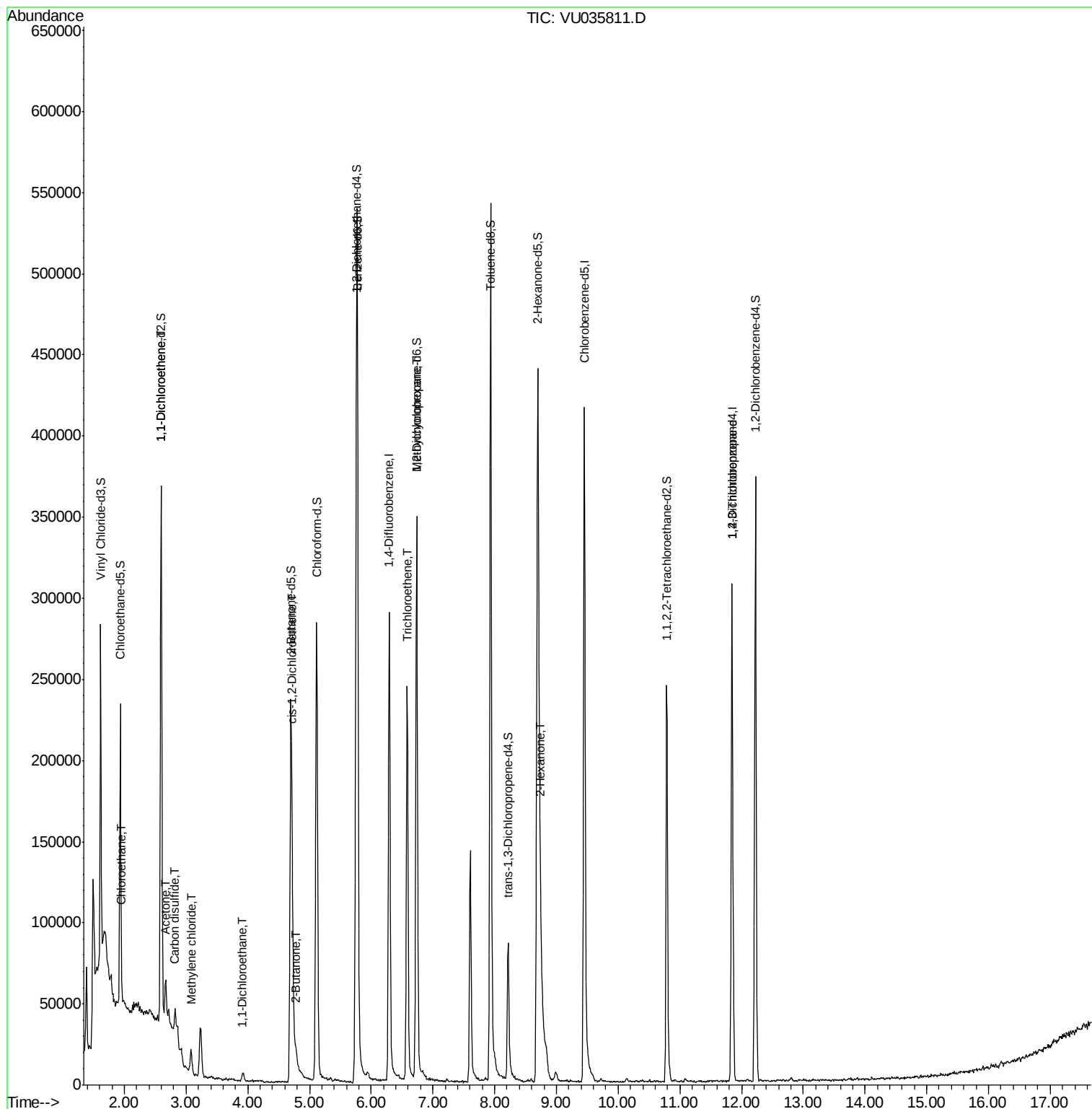
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 8) Chloroethane            | 1.96  | 64 | 2971  | 0.139 ug/L # | 49     |
| 12) 1,1-Dichloroethene     | 2.61  | 96 | 13260 | 0.577 ug/L # | 1      |
| 13) Acetone                | 2.67  | 43 | 30639 | 5.225 ug/L   | 98     |
| 14) Carbon disulfide       | 2.83  | 76 | 18544 | 0.243 ug/L # | 88     |
| 16) Methylene chloride     | 3.08  | 84 | 6160  | 0.222 ug/L   | 88     |
| 19) 1,1-Dichloroethane     | 3.92  | 63 | 6144  | 0.121 ug/L   | 95     |
| 21) 2-Butanone             | 4.79  | 43 | 11286 | 1.521 ug/L   | 85     |
| 22) cis-1,2-Dichloroethene | 4.72  | 96 | 14966 | 0.594 ug/L   | 94     |
| 34) Trichloroethene        | 6.58  | 95 | 85835 | 3.243 ug/L   | 98     |
| 35) Methylcyclohexane      | 6.74  | 83 | 37424 | 0.963 ug/L # | 14     |
| 48) 2-Hexanone             | 8.74  | 43 | 20755 | 1.500 ug/L # | 85     |
| 59) 1,2,3-Trichloropropane | 11.84 | 75 | 13187 | 0.662 ug/L   | 96     |

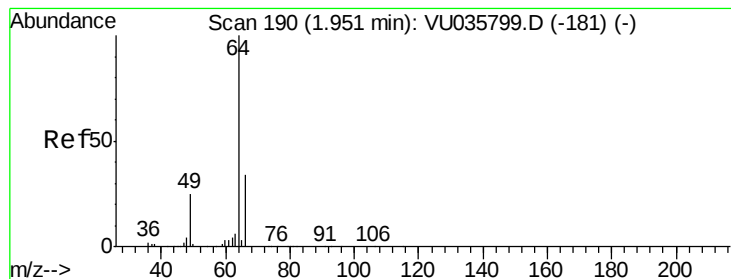
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 22 01:33:44 2019  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.139 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.01 min

Lab File: VU035811.D

Acq: 21 Nov 2019 18:28

Instrument :

MSVOA\_U

ClientSampleId :

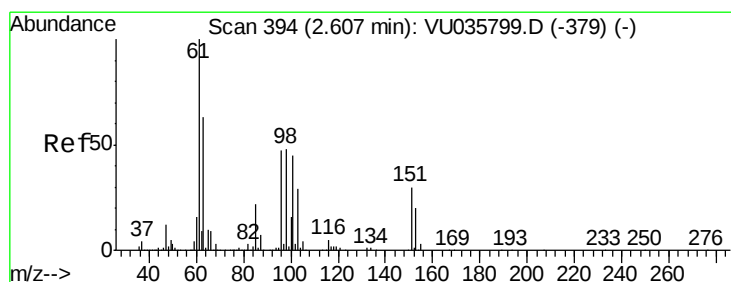
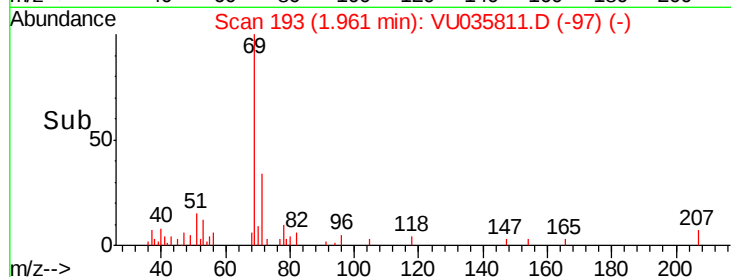
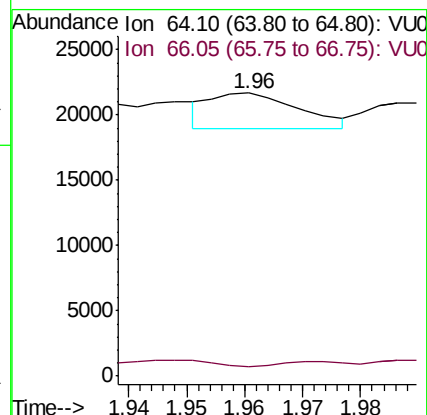
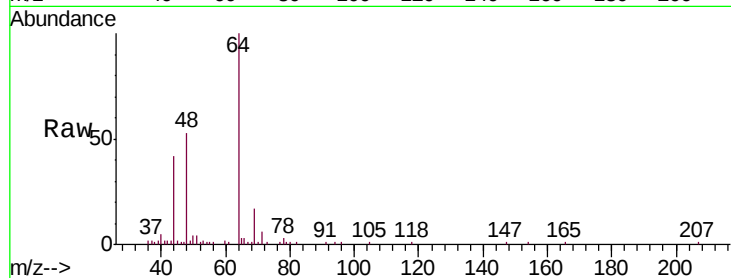
B0AC8

Tgt Ion: 64 Resp: 2971

Ion Ratio Lower Upper

64 100

66 3.4 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.577 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035811.D

Acq: 21 Nov 2019 18:28

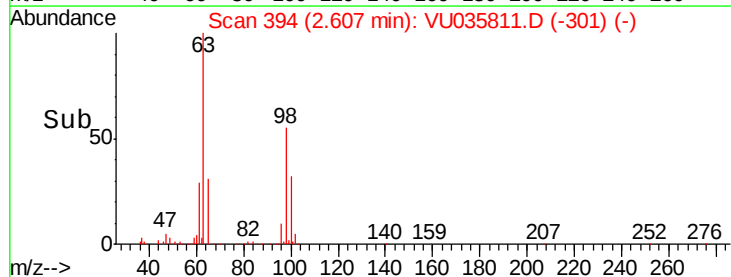
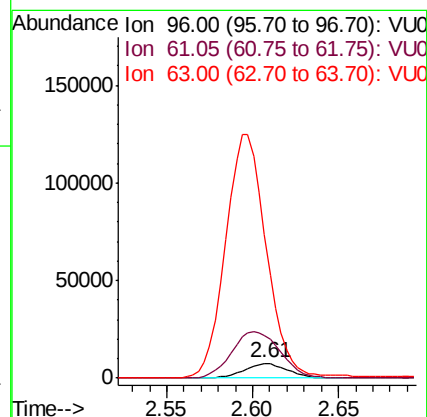
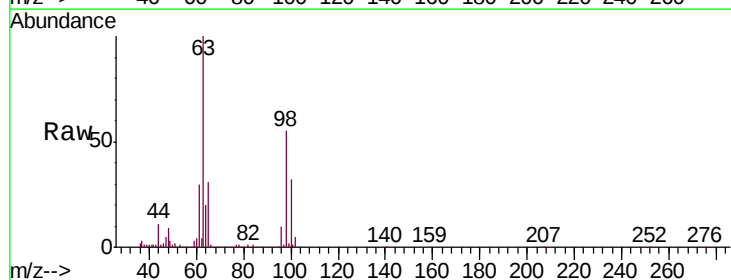
Tgt Ion: 96 Resp: 13260

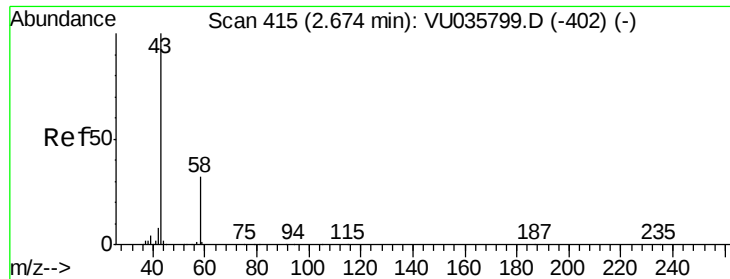
Ion Ratio Lower Upper

96 100

61 291.5 139.3 258.7#

63 985.2 93.7 174.1#





#13

Acetone

Concen: 5.225 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035811.D

Acq: 21 Nov 2019 18:28

Instrument :

MSVOA\_U

ClientSampleId :

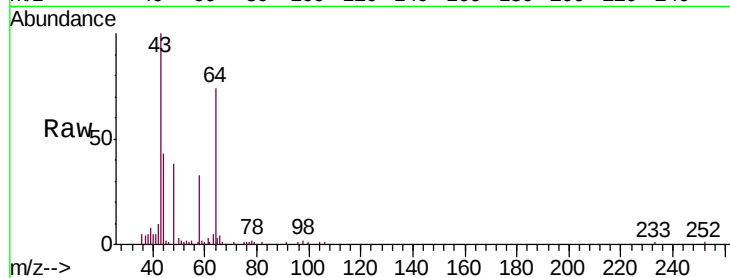
B0AC8

Tgt Ion: 43 Resp: 30639

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035799.D (-402) (-)

2.67

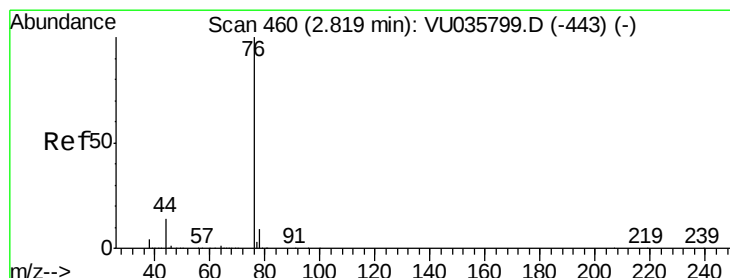
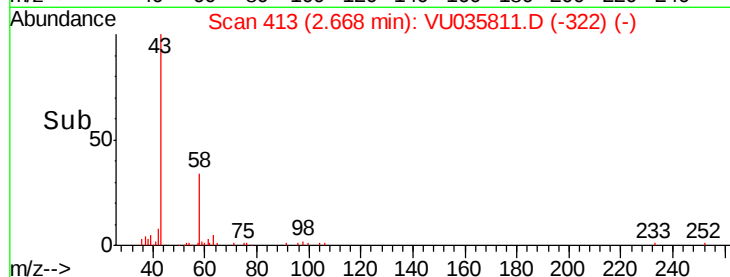
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 0.243 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU035811.D

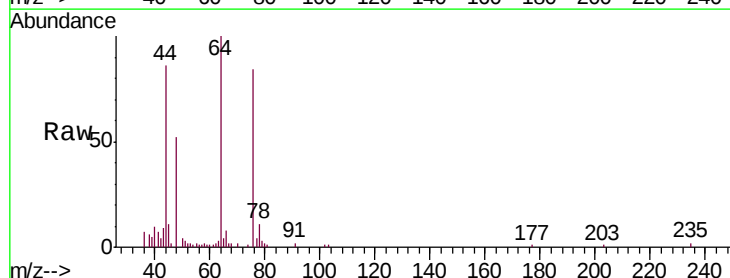
Acq: 21 Nov 2019 18:28

Tgt Ion: 76 Resp: 18544

Ion Ratio Lower Upper

76 100

78 13.4 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU035799.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU035799.D (-443) (-)

2.83

10000

8000

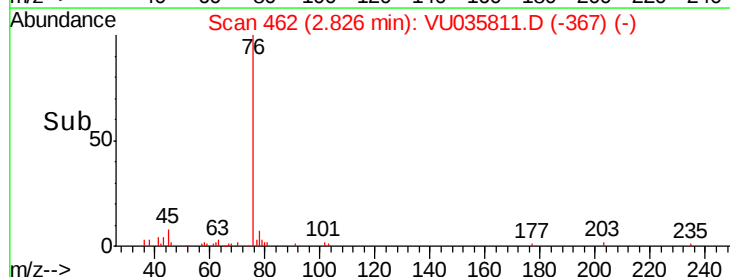
6000

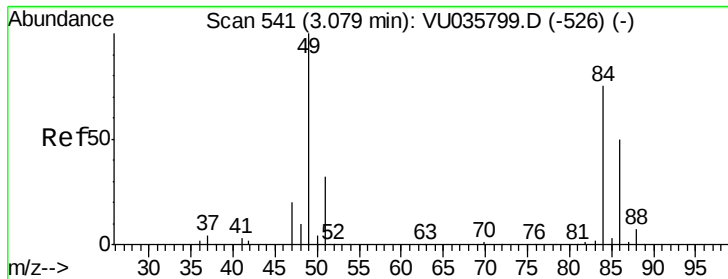
4000

2000

0

Time-->

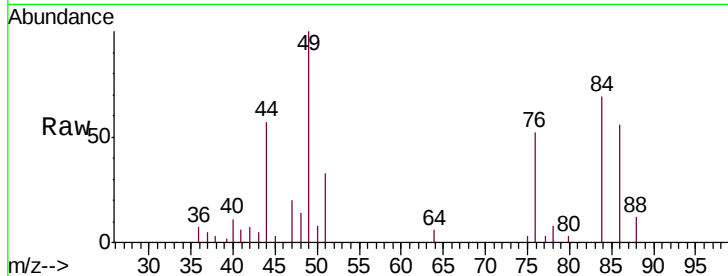




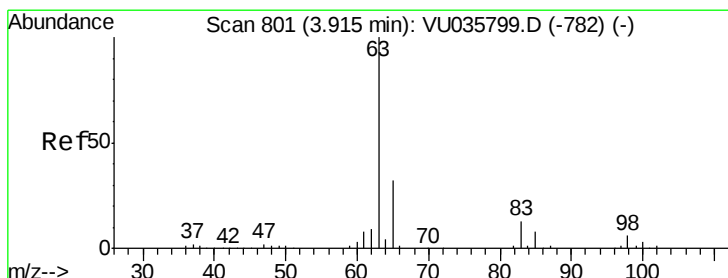
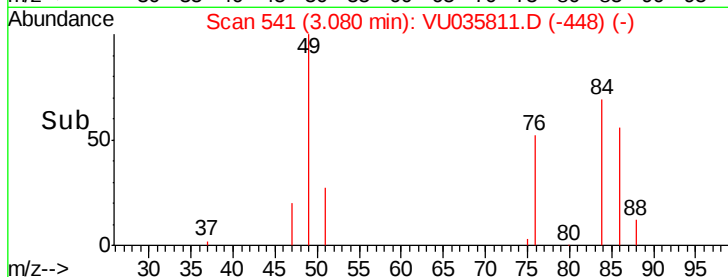
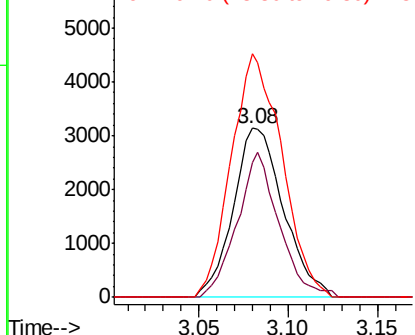
#16  
Methylene chloride  
Concen: 0.222 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: VU035811.D  
Acq: 21 Nov 2019 18:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
B0AC8

Tgt Ion: 84 Resp: 6160  
Ion Ratio Lower Upper  
84 100  
86 80.1 44.4 82.5  
49 144.1 94.0 174.6

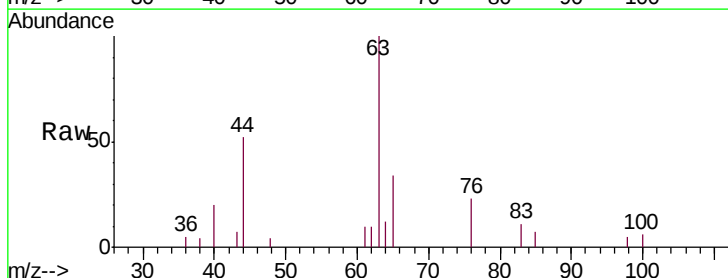


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

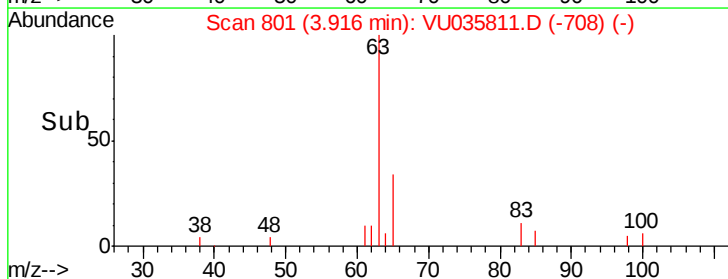
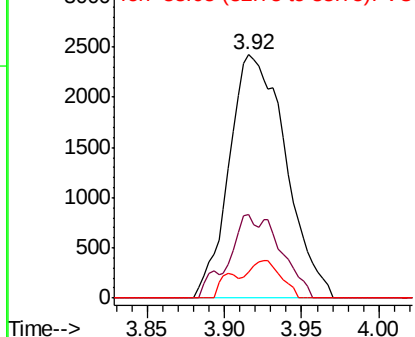


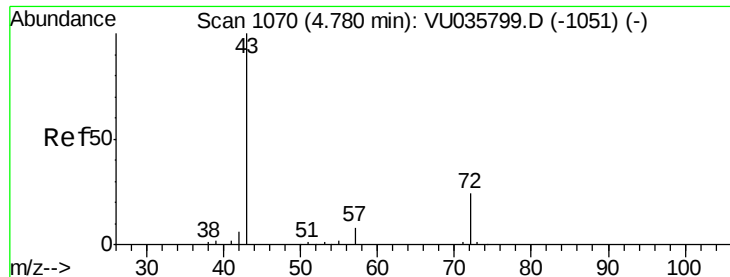
#19  
1,1-Dichloroethane  
Concen: 0.121 ug/L  
RT: 3.92 min Scan# 801  
Delta R.T. 0.00 min  
Lab File: VU035811.D  
Acq: 21 Nov 2019 18:28

Tgt Ion: 63 Resp: 6144  
Ion Ratio Lower Upper  
63 100  
65 34.3 21.8 40.4  
83 10.9 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 65.10 (64.80 to 65.80): VU0  
Ion 83.05 (82.75 to 83.75): VU0





#21

2-Butanone

Concen: 1.521 ug/L

RT: 4.79 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VU035811.D

Acq: 21 Nov 2019 18:28

Instrument :

MSVOA\_U

ClientSampleId :

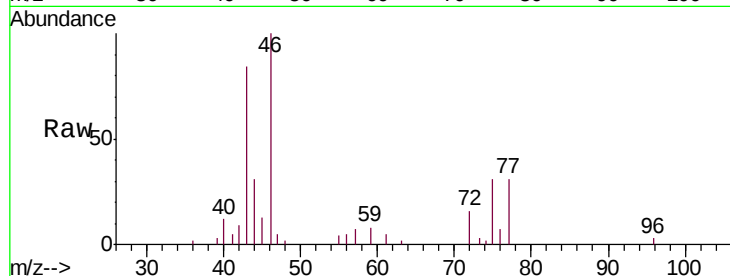
B0AC8

Tgt Ion: 43 Resp: 11286

Ion Ratio Lower Upper

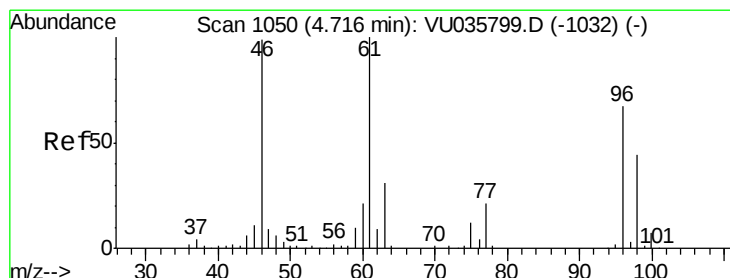
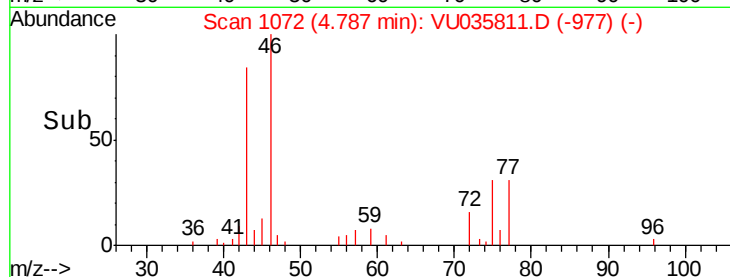
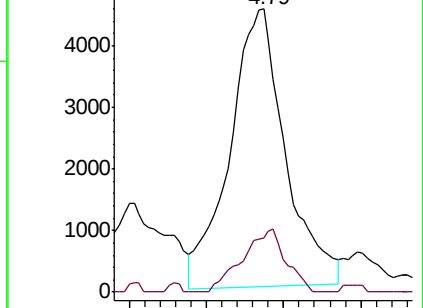
43 100

72 17.6 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-1051) (-)

Ion 72.10 (71.80 to 72.80): VU035799.D (-1051) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.594 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035811.D

Acq: 21 Nov 2019 18:28

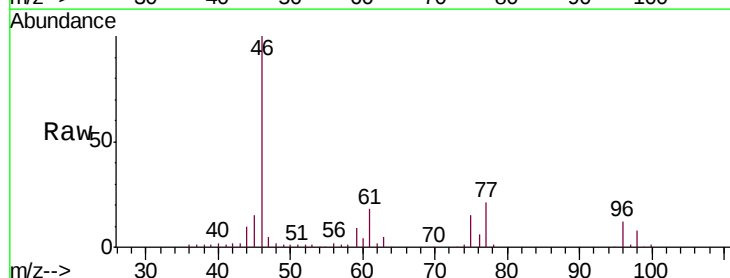
Tgt Ion: 96 Resp: 14966

Ion Ratio Lower Upper

96 100

61 147.9 98.1 182.1

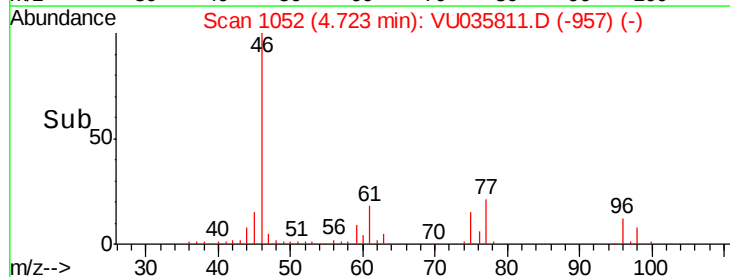
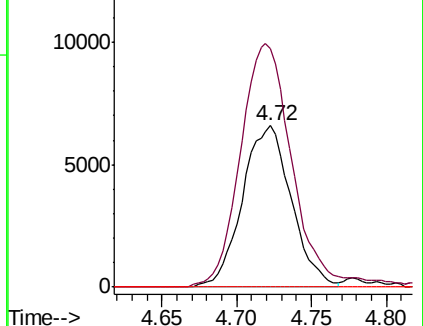
68 0.0 0.0 0.0

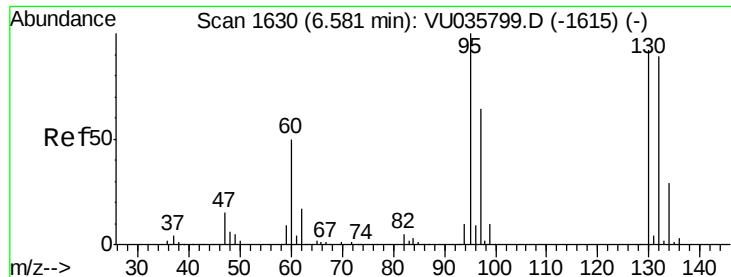


Abundance Ion 96.00 (95.70 to 96.70): VU035799.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035799.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035799.D (-1032) (-)





#34

Trichloroethene

Concen: 3.243 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035811.D

Acq: 21 Nov 2019 18:28

Instrument :

MSVOA\_U

ClientSampleId :

B0AC8

Tgt Ion: 95 Resp: 85835

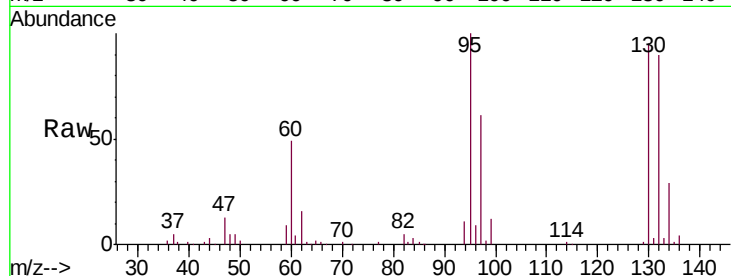
Ion Ratio Lower Upper

95 100

97 61.4 45.1 83.9

132 89.9 61.9 114.9

130 94.7 66.3 123.1

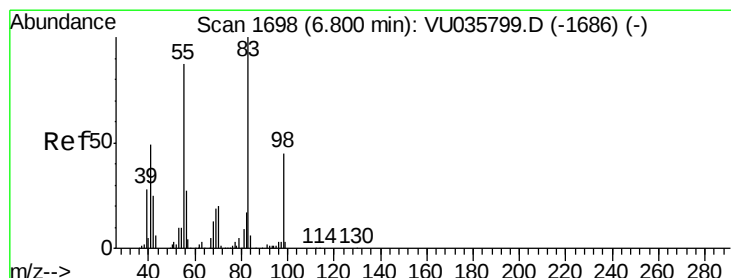
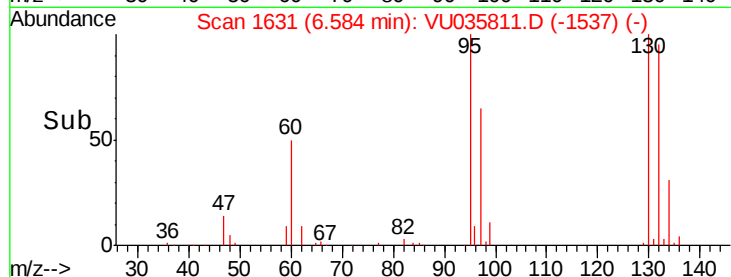
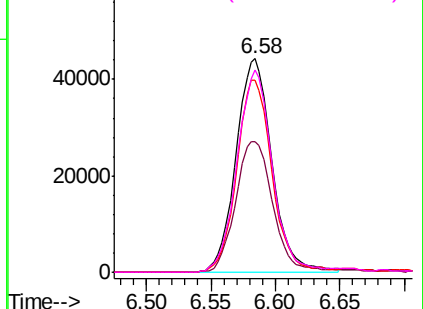


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.963 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035811.D

Acq: 21 Nov 2019 18:28

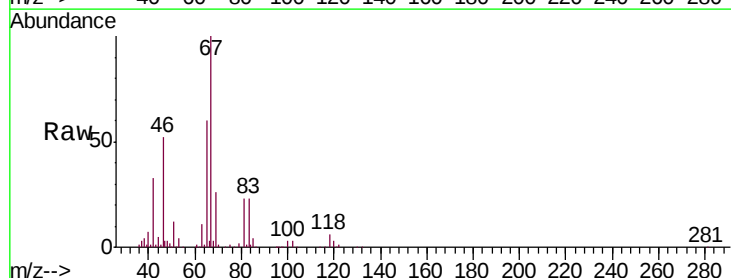
Tgt Ion: 83 Resp: 37424

Ion Ratio Lower Upper

83 100

55 0.3 72.7 109.1#

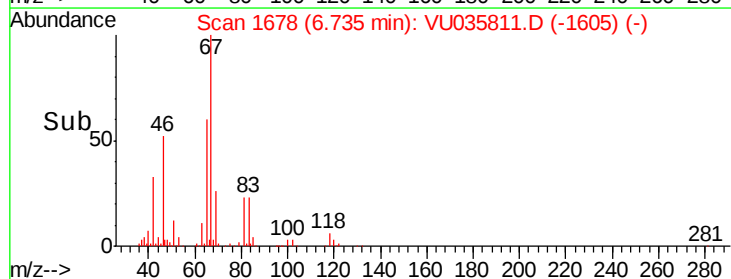
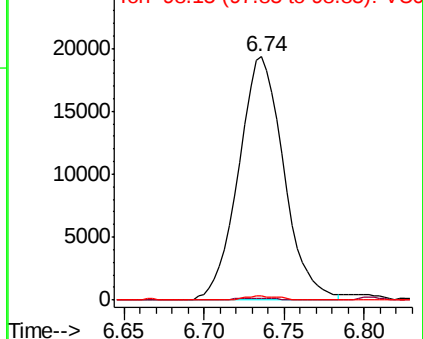
98 1.2 36.2 54.4#

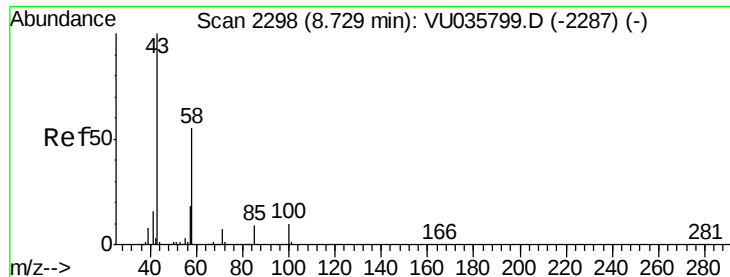


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

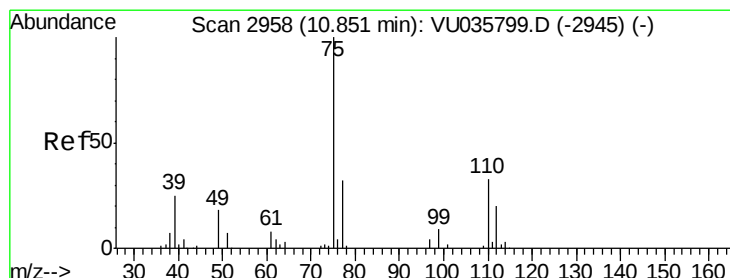
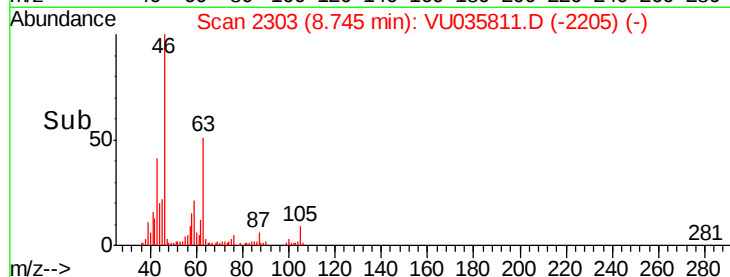
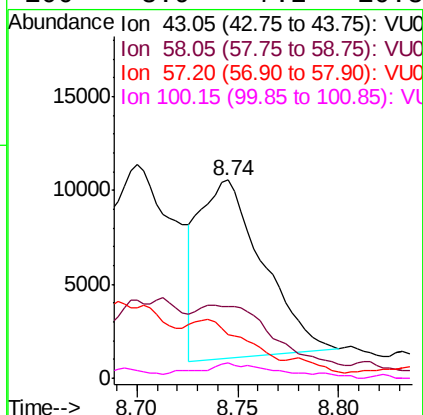
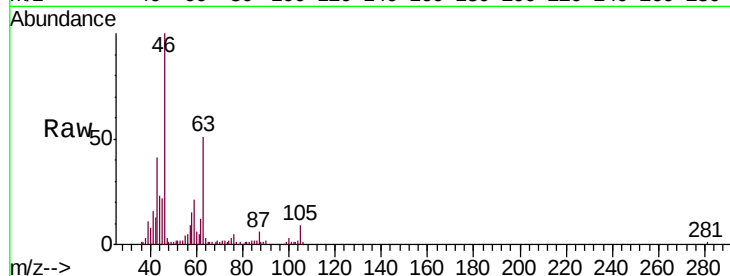




#48  
 2-Hexanone  
 Concen: 1.500 ug/L  
 RT: 8.74 min Scan# 2303  
 Delta R.T. 0.02 min  
 Lab File: VU035811.D  
 Acq: 21 Nov 2019 18:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 B0AC8

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20755 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 36.0  | 39.8  | 59.8# |
| 57       | 21.0  | 14.0  | 21.0  |
| 100      | 8.9   | 7.2   | 10.8  |



#59  
 1,2,3-Trichloropropane  
 Concen: 0.662 ug/L  
 RT: 11.84 min Scan# 3266  
 Delta R.T. 0.99 min  
 Lab File: VU035811.D  
 Acq: 21 Nov 2019 18:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13187 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.0  | 25.4  | 38.2  |

