

Data File : VV008453.D  
Acq On : 29 Oct 2018 15:05  
Operator : SY/MD  
Sample : J5669-16  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETBQ0

Quant Time: Oct 30 07:44:36 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102318WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 30 07:40:49 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 192398   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 176205   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 72503    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 47373    | 44.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.94%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 37345    | 48.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 66651    | 34.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.28%  |
| 21) 2-Butanone-d5              | 3.94    | 46    | 111922   | 96.67    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.67%  |
| 24) Chloroform-d               | 4.41    | 84    | 119833   | 45.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 85583    | 48.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.44%  |
| 32) Benzene-d6                 | 5.10    | 84    | 248113   | 49.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.82%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 85001    | 48.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.54%  |
| 41) Toluene-d8                 | 7.36    | 98    | 224054   | 49.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.28%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 41178    | 48.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.26%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 83673    | 91.94    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.94%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 115234   | 48.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.64%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 75864    | 51.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.30% |

#### Target Compounds

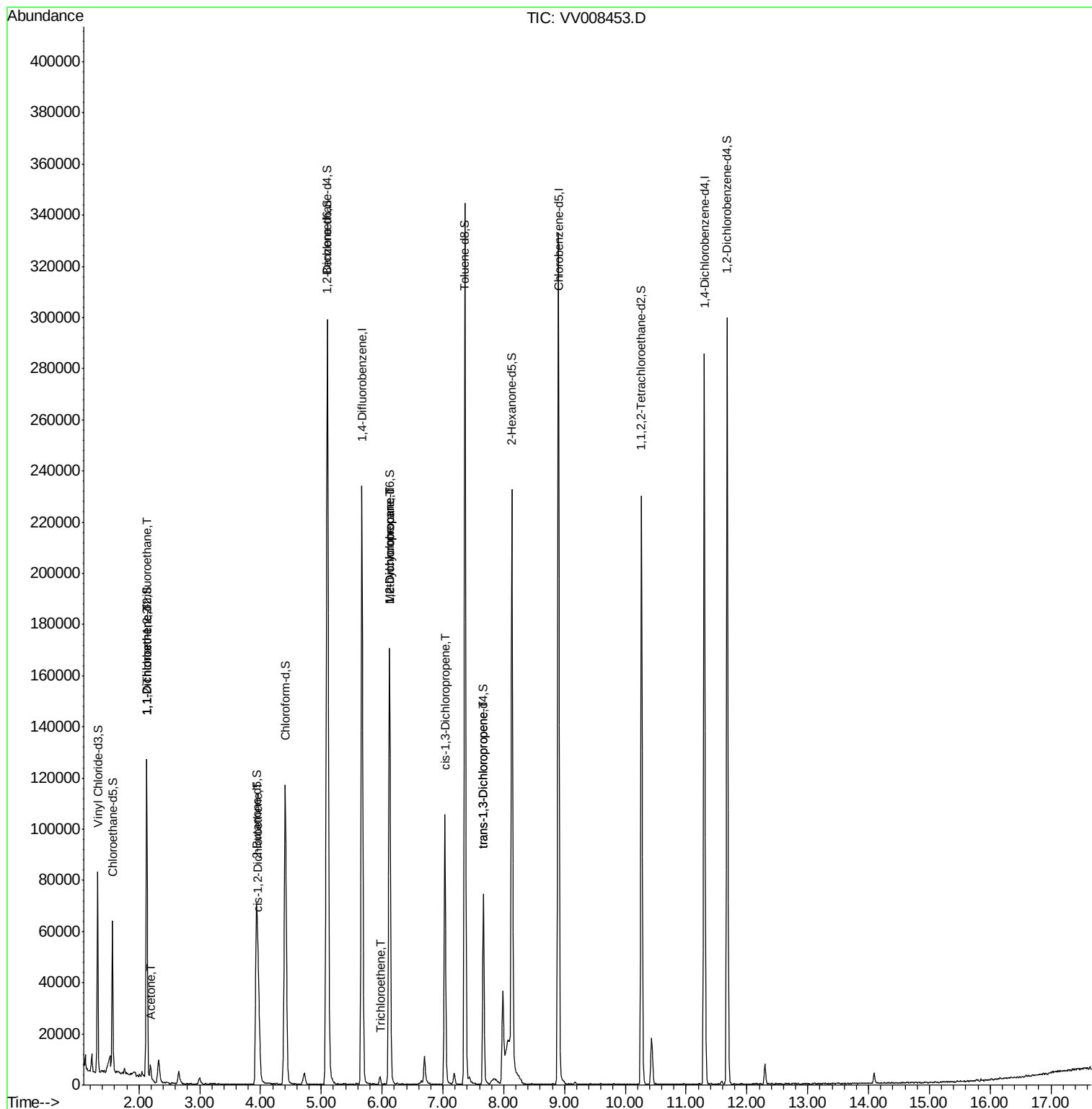
|                                |      |     |       |       |        | Qvalue |
|--------------------------------|------|-----|-------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 520   | 0.567 | ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 661   | 0.766 | ug/L # | 1      |
| 13) Acetone                    | 2.19 | 43  | 3689  | 4.106 | ug/L   | 100    |
| 20) cis-1,2-Dichloroethene     | 3.97 | 96  | 14706 | 9.810 | ug/L   | 97     |
| 34) Trichloroethene            | 5.97 | 95  | 1157  | 0.785 | ug/L # | 87     |
| 35) Methylcyclohexane          | 6.12 | 83  | 19162 | 7.643 | ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 9303  | 5.848 | ug/L # | 89     |
| 39) cis-1,3-Dichloropropene    | 7.04 | 75  | 2407  | 0.962 | ug/L # | 82     |
| 44) trans-1,3-Dichloropropene  | 7.67 | 75  | 1649  | 0.705 | ug/L # | 78     |

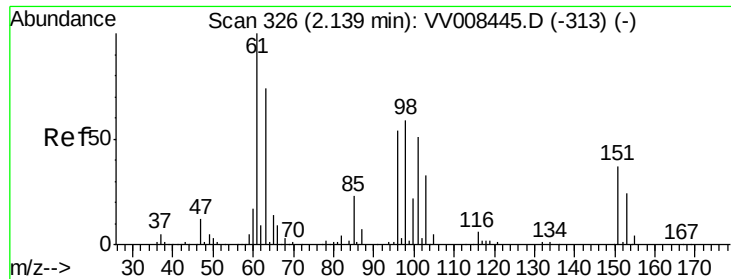
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV008453.D  
Acq On : 29 Oct 2018 15:05  
Operator : SY/MD  
Sample : J5669-16  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETBQ0

Quant Time: Oct 30 07:44:36 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102318WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 30 07:40:49 2018  
Response via : Initial Calibration





#10

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

Concen: 0.567 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008453.D

Acq: 29 Oct 2018 15:05

Instrument :

MSVOA\_V

ClientSampleId :

ETBQ0

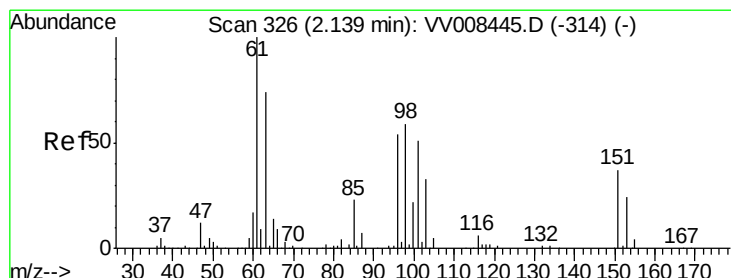
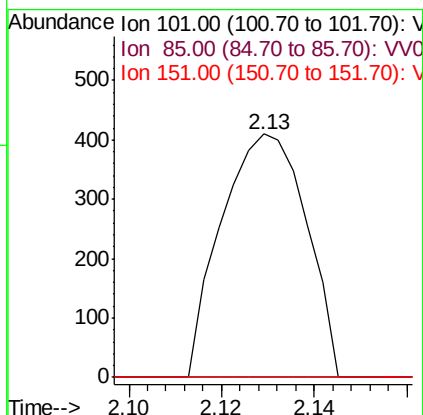
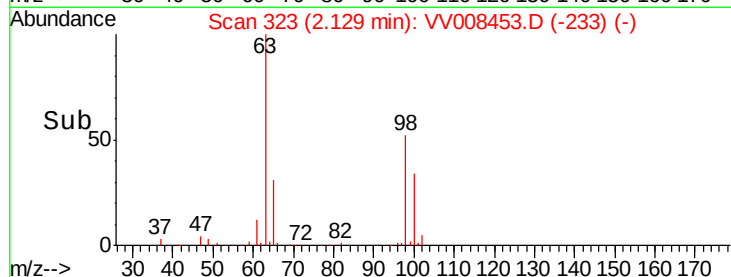
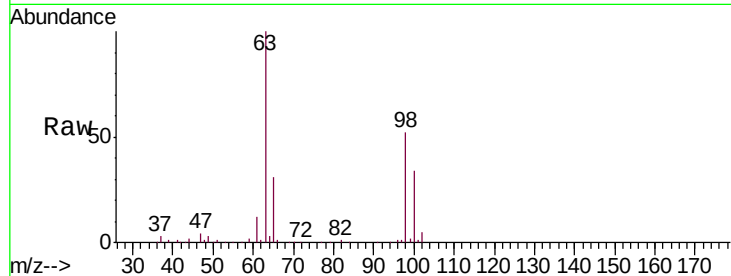
Tgt Ion:101 Resp: 520

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

151 0.0 58.1 87.1#



#12

1,1-Dichloroethene

Concen: 0.766 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008453.D

Acq: 29 Oct 2018 15:05

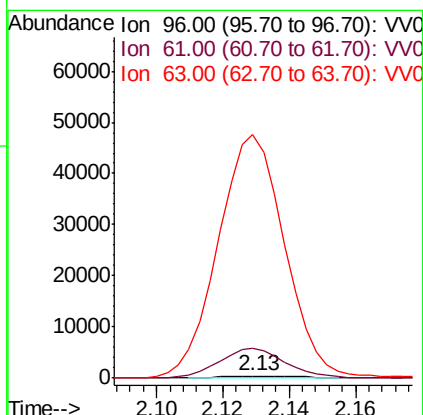
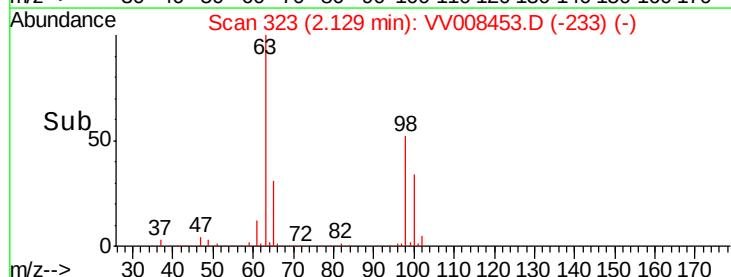
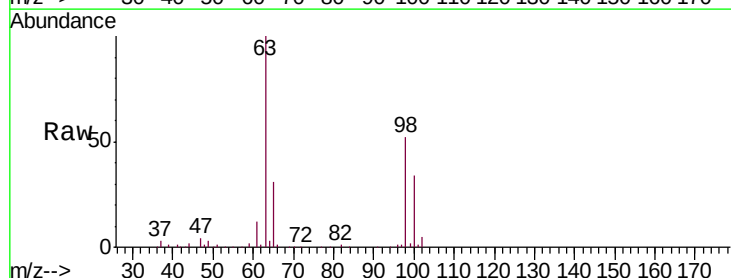
Tgt Ion: 96 Resp: 661

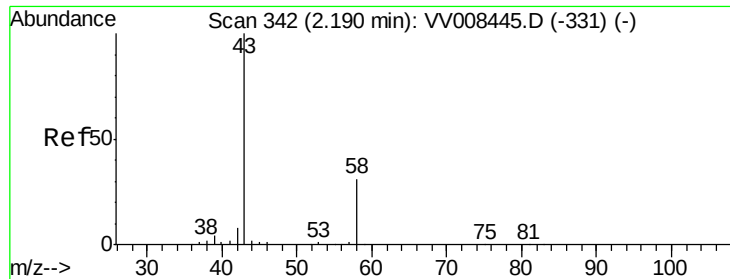
Ion Ratio Lower Upper

96 100

61 1506.4 130.3 242.1#

63 12173.9 84.4 156.8#





#13

Acetone

Concen: 4.106 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008453.D

Acq: 29 Oct 2018 15:05

Instrument :

MSVOA\_V

ClientSampleId :

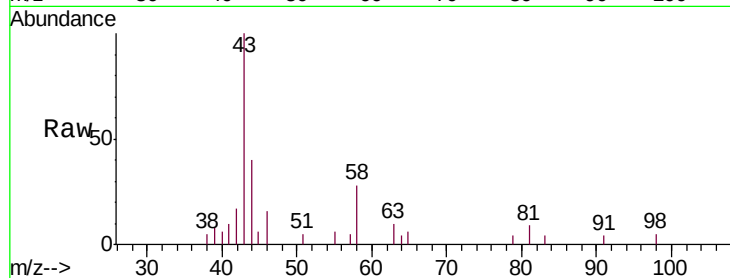
ETBQ0

Tgt Ion: 43 Resp: 3689

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008445.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008445.D (-331) (-)

2.19

2500

2000

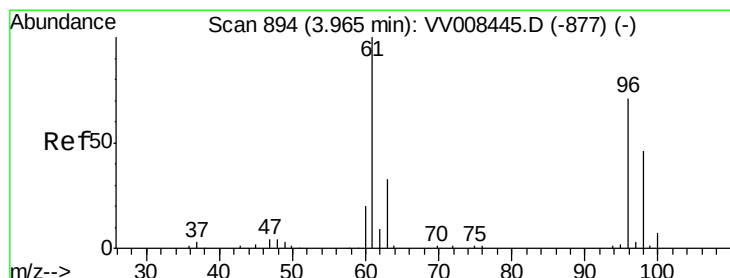
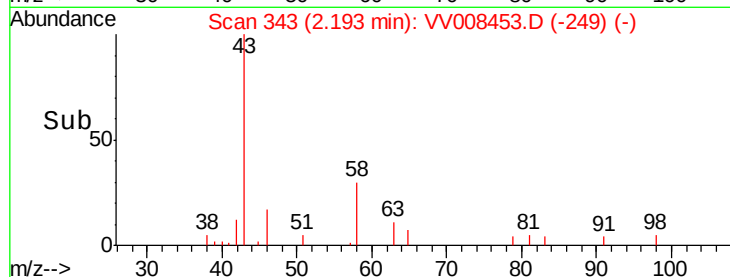
1500

1000

500

0

Time--> 2.10 2.15 2.20 2.25



#20

cis-1,2-Dichloroethene

Concen: 9.810 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.01 min

Lab File: VV008453.D

Acq: 29 Oct 2018 15:05

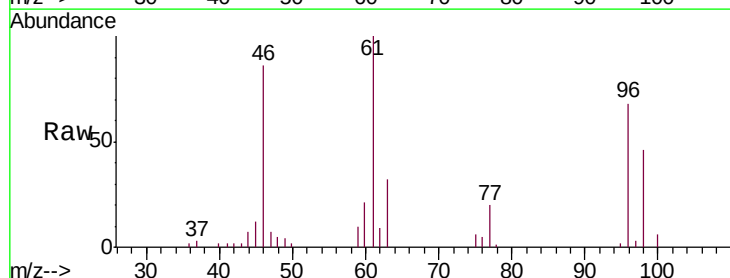
Tgt Ion: 96 Resp: 14706

Ion Ratio Lower Upper

96 100

61 147.8 100.9 187.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008445.D (-877) (-)

Ion 61.00 (60.70 to 61.70): VV008445.D (-877) (-)

Ion 68.00 (67.70 to 68.70): VV008445.D (-877) (-)

3.97

12000

10000

8000

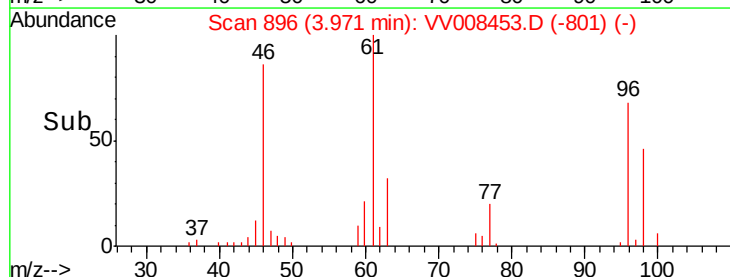
6000

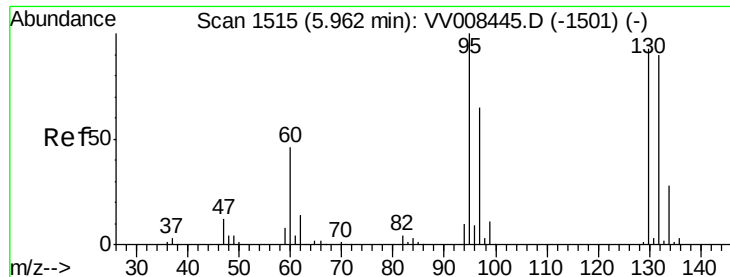
4000

2000

0

Time--> 3.90 3.95 4.00 4.05





#34

Trichloroethene

Concen: 0.785 ug/L

RT: 5.97 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VV008453.D

Acq: 29 Oct 2018 15:05

Instrument :

MSVOA\_V

ClientSampleId :

ETBQ0

Tgt Ion: 95 Resp: 1157

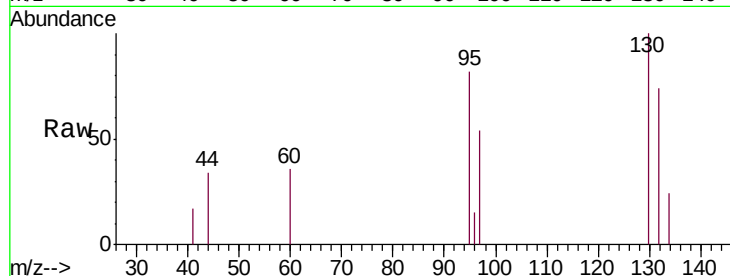
Ion Ratio Lower Upper

95 100

97 66.4 45.2 84.0

132 90.7 63.8 118.6

130 122.5 64.7 120.1#



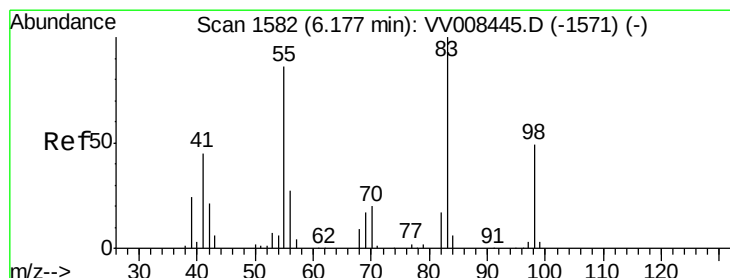
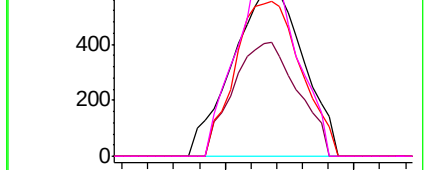
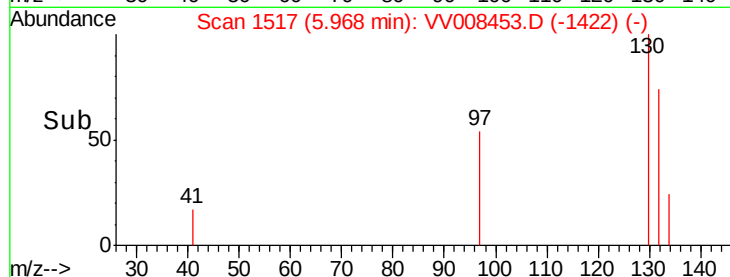
Abundance Ion 95.00 (94.70 to 95.70): VV008445.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV008445.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV008445.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV008445.D (-1501) (-)

Time-->



#35

Methylcyclohexane

Concen: 7.643 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008453.D

Acq: 29 Oct 2018 15:05

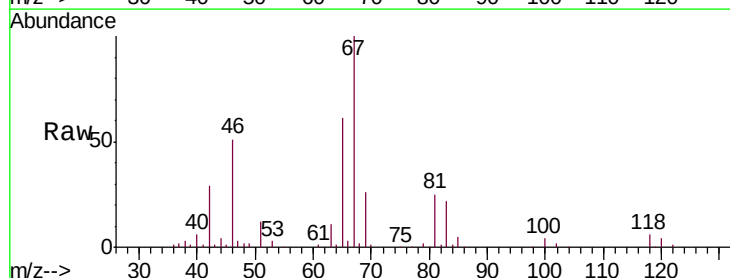
Tgt Ion: 83 Resp: 19162

Ion Ratio Lower Upper

83 100

55 0.4 65.0 97.4#

98 0.0 36.0 54.0#

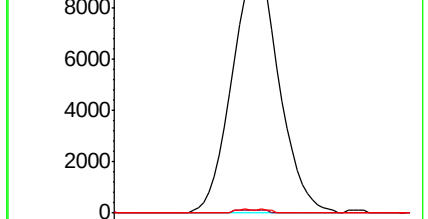
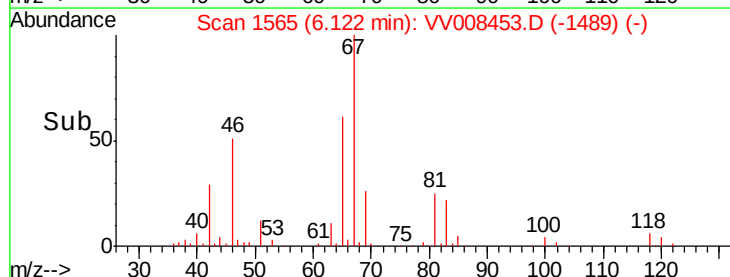


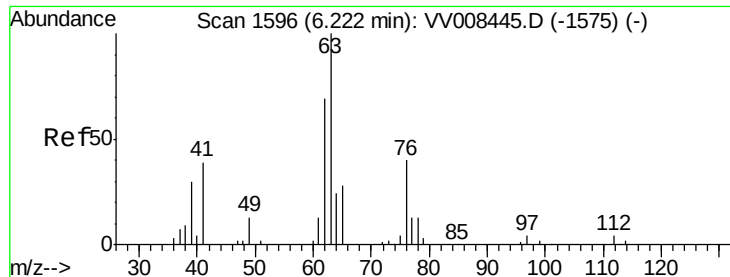
Abundance Ion 83.00 (82.70 to 83.70): VV008445.D (-1571) (-)

Ion 55.00 (54.70 to 55.70): VV008445.D (-1571) (-)

Ion 98.00 (97.70 to 98.70): VV008445.D (-1571) (-)

Time-->

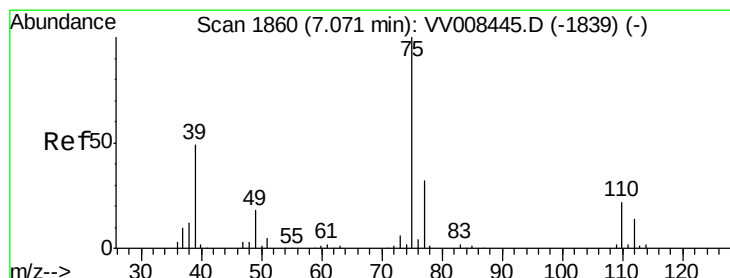
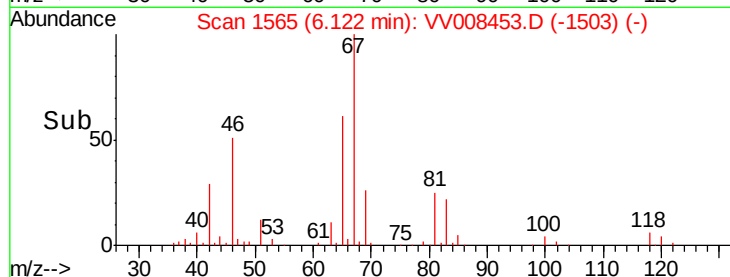
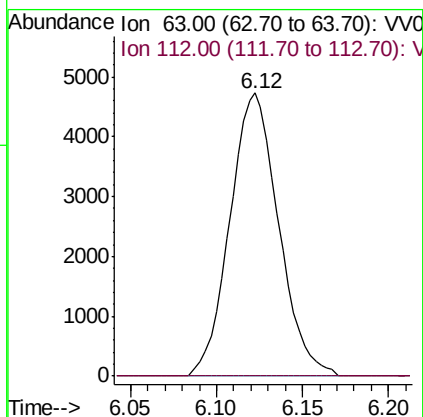
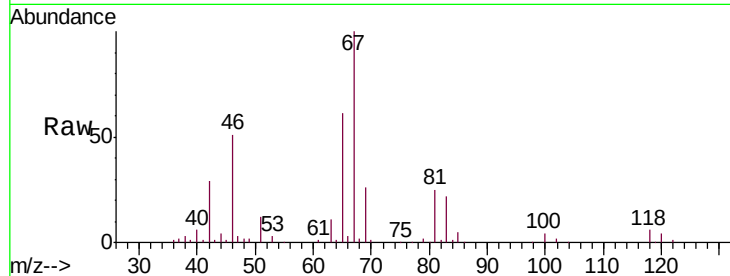




#37  
 1,2-Dichloropropane  
 Concen: 5.848 ug/L  
 RT: 6.12 min Scan# 1565  
 Delta R.T. -0.10 min  
 Lab File: VV008453.D  
 Acq: 29 Oct 2018 15:05

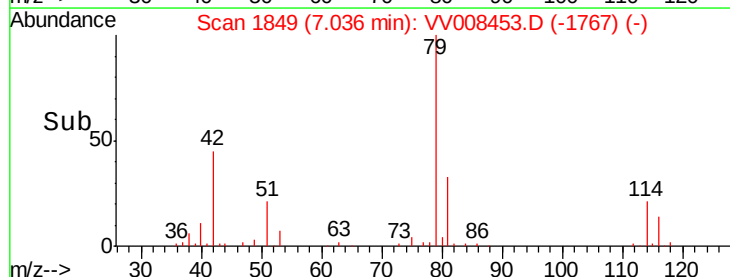
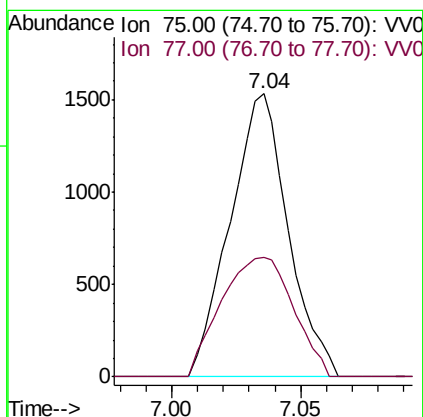
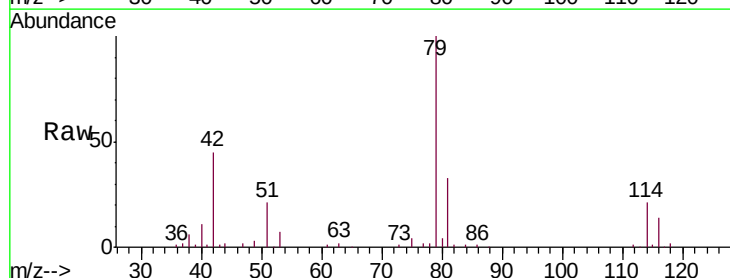
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBQ0

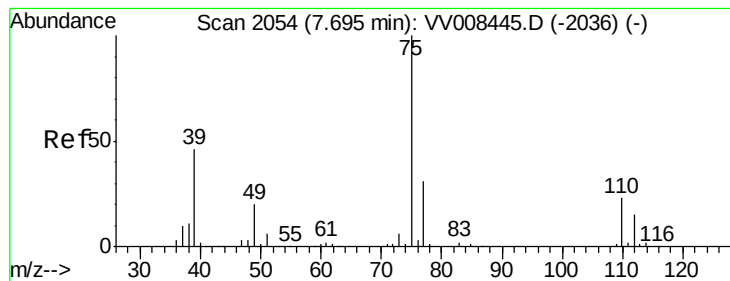
Tgt Ion: 63 Resp: 9303  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.9 4.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.962 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV008453.D  
 Acq: 29 Oct 2018 15:05

Tgt Ion: 75 Resp: 2407  
 Ion Ratio Lower Upper  
 75 100  
 77 42.2 22.6 42.0#





#44

trans-1,3-Dichloropropene

Concen: 0.705 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008453.D

Acq: 29 Oct 2018 15:05

Instrument :

MSVOA\_V

ClientSampleId :

ETBQ0

Tgt Ion: 75 Resp: 1649

Ion Ratio Lower Upper

75 100

77 43.4 21.8 40.4#

