

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV113018\  
 Data File : VV008815.D  
 Acq On : 30 Nov 2018 16:09  
 Operator : SY/MD  
 Sample : J6155-06  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 01 03:54:33 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Dec 01 03:50:55 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 138806   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 130883   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 59039    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 43104    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.80%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 31313    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 62804    | 3.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.00%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 114476   | 53.22    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.44% |
| 24) Chloroform-d               | 4.41   | 84    | 95803    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 48607    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 200674   | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.40% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 58769    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 174552   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 18573    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 83386    | 49.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 37283    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 64546    | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.20% |

## Target Compounds

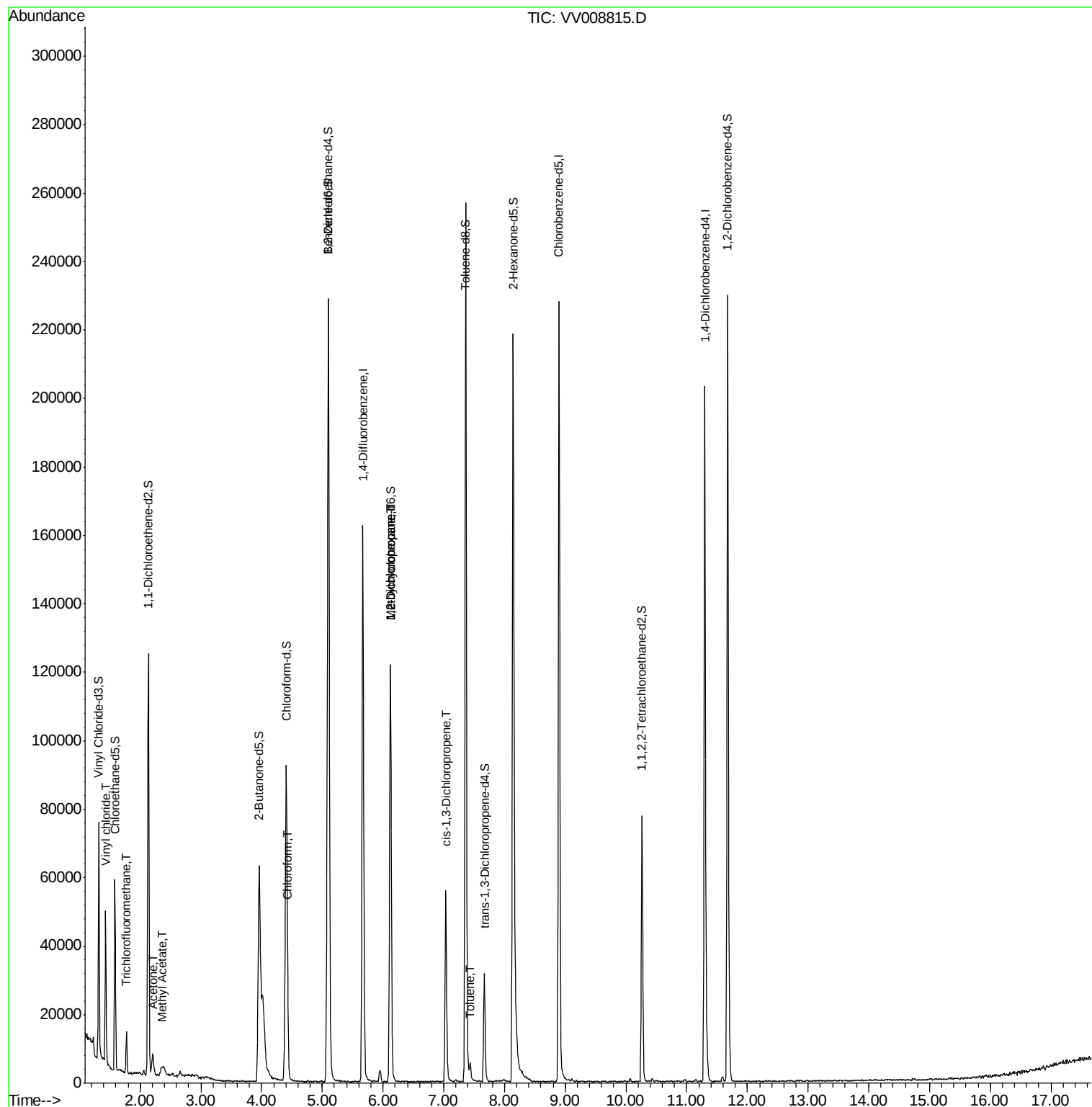
|                             |      |     |       |              | Ovalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 5) Vinyl chloride           | 1.43 | 62  | 777   | 0.085 ug/L # | 30     |
| 9) Trichlorofluoromethane   | 1.78 | 101 | 6301  | 0.461 ug/L   | 89     |
| 13) Acetone                 | 2.21 | 43  | 7383  | 6.888 ug/L   | 92     |
| 15) Methyl Acetate          | 2.36 | 43  | 965   | 0.336 ug/L # | 50     |
| 25) Chloroform              | 4.44 | 83  | 1618  | 0.089 ug/L   | 91     |
| 35) Methylcyclohexane       | 6.12 | 83  | 14244 | 0.823 ug/L # | 21     |
| 37) 1,2-Dichloropropane     | 6.12 | 63  | 6427  | 0.659 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75  | 1585  | 0.124 ug/L # | 53     |
| 42) Toluene                 | 7.44 | 91  | 3283  | 0.080 ug/L   | 93     |

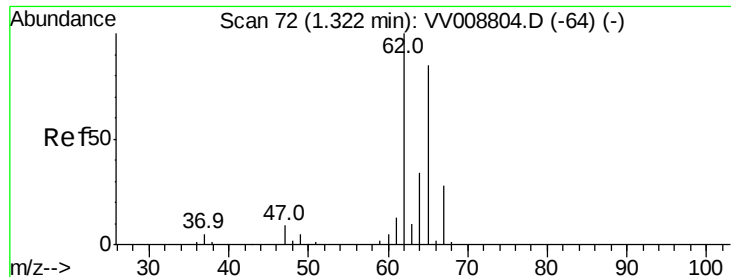
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.085 ug/L

RT: 1.43 min Scan# 107

Delta R.T. 0.11 min

Lab File: VV008815.D

Acq: 30 Nov 2018 16:09

Instrument :

MSVOA\_V

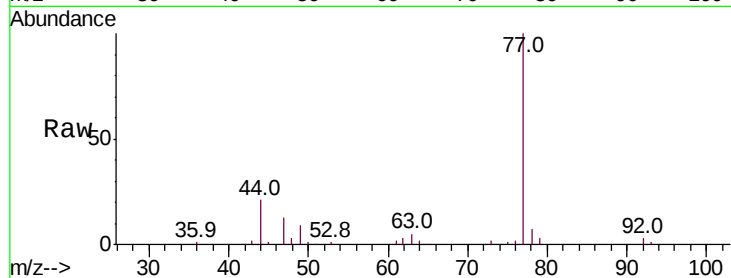
ClientSampleId :

Tot Ion: 62 Resp: 777

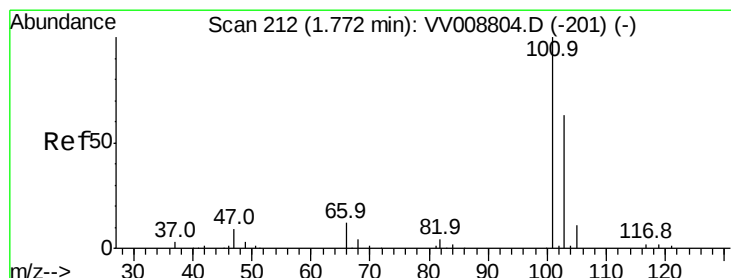
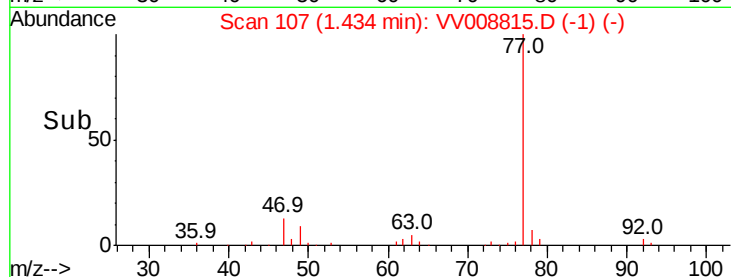
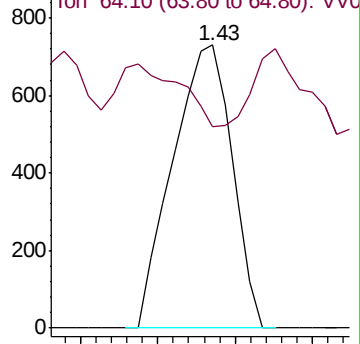
Ion Ratio Lower Upper

62 100

64 71.4 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VV008804.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 0.461 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV008815.D

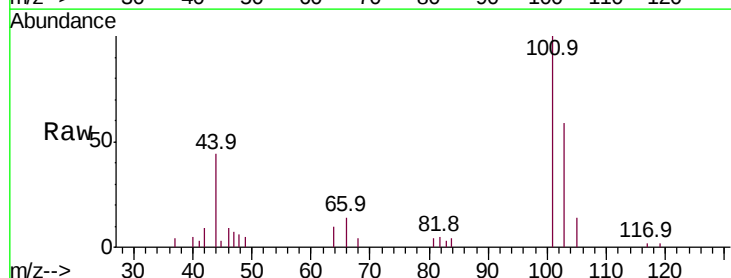
Acq: 30 Nov 2018 16:09

Tgt Ion: 101 Resp: 6301

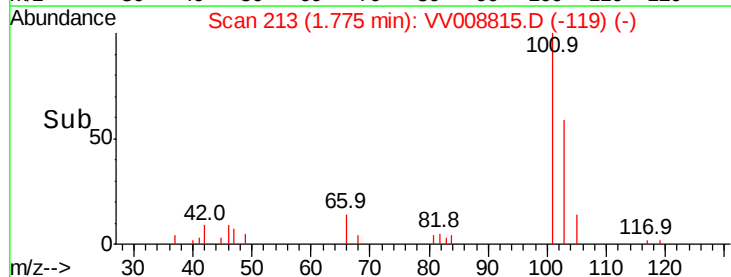
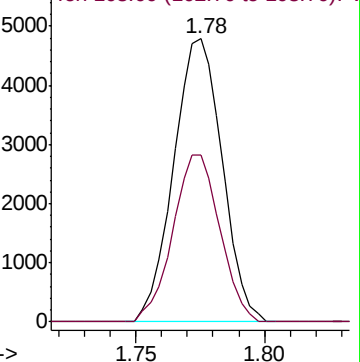
Ion Ratio Lower Upper

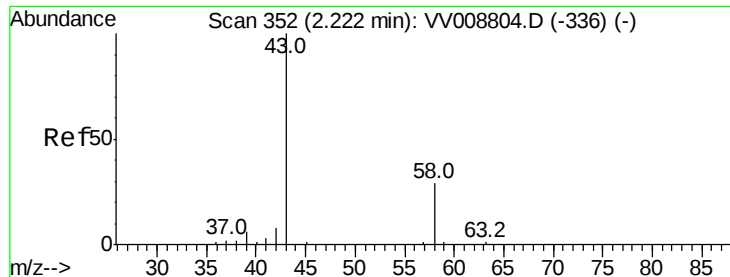
101 100

103 57.0 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV008804.D (-201) (-)





#13

Acetone

Concen: 6.888 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV008815.D

Acq: 30 Nov 2018 16:09

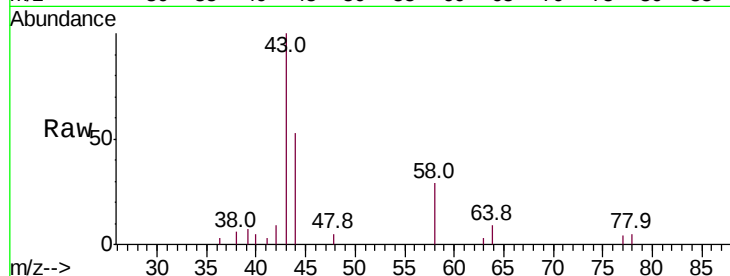
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 7383

Ion Ratio Lower Upper

43 100

58 25.4 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV008815.D (-259) (-)

Ion 58.05 (57.75 to 58.75): VV008815.D (-259) (-)

2.21

4000

3000

2000

1000

0

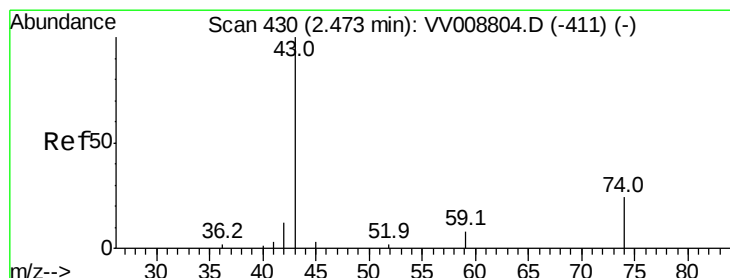
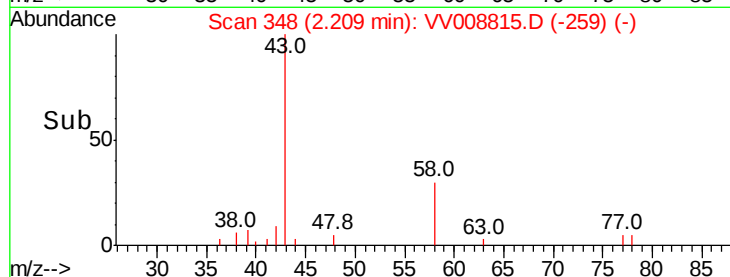
Time-->

2.15

2.20

2.25

2.30



#15

Methyl Acetate

Concen: 0.336 ug/L

RT: 2.36 min Scan# 395

Delta R.T. -0.11 min

Lab File: VV008815.D

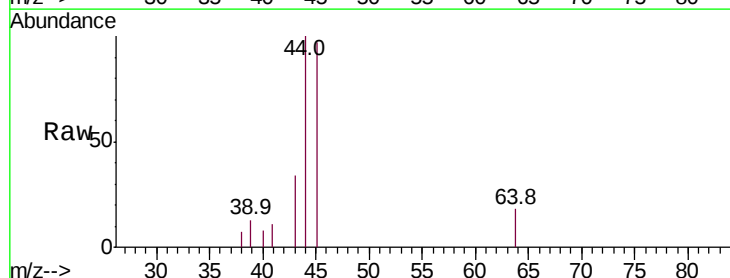
Acq: 30 Nov 2018 16:09

Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

74 0.0 20.0 30.0#



Abundance Ion 43.05 (42.75 to 43.75): VV008815.D (-337) (-)

Ion 74.05 (73.75 to 74.75): VV008815.D (-337) (-)

2.36

600

500

400

300

200

100

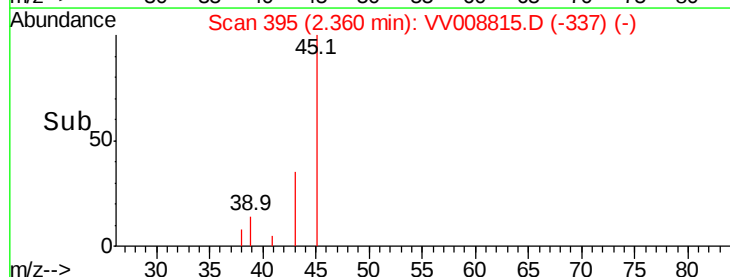
0

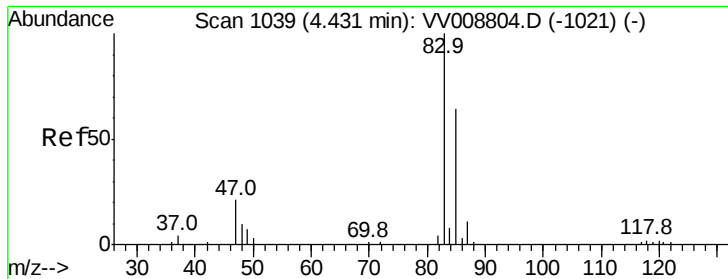
Time-->

2.30

2.35

2.40

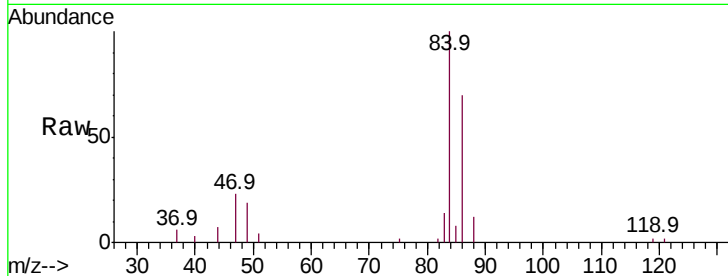




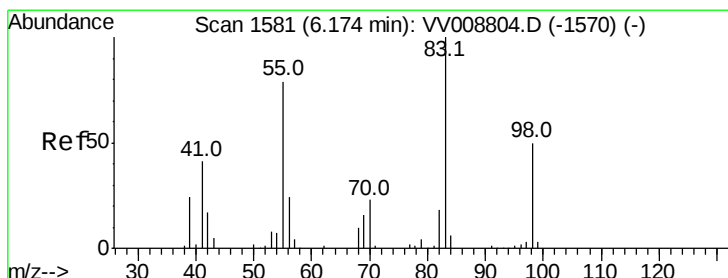
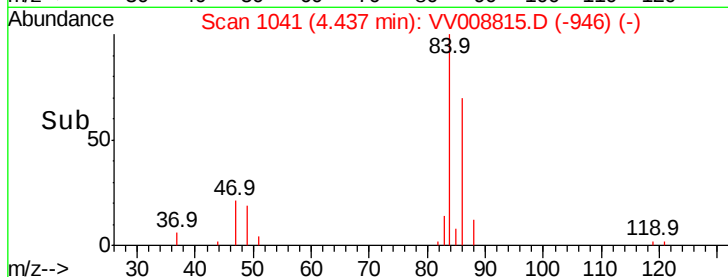
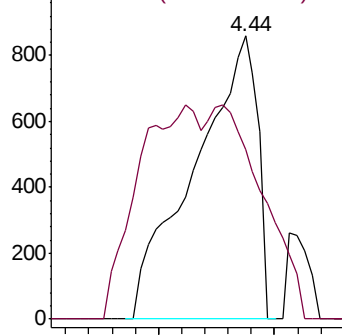
#25  
Chloroform  
Concen: 0.089 ug/L  
RT: 4.44 min Scan# 1041  
Delta R.T. 0.01 min  
Lab File: VV008815.D  
Acq: 30 Nov 2018 16:09

Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 83 Resp: 1618  
Ion Ratio Lower Upper  
83 100  
85 59.7 47.0 87.4

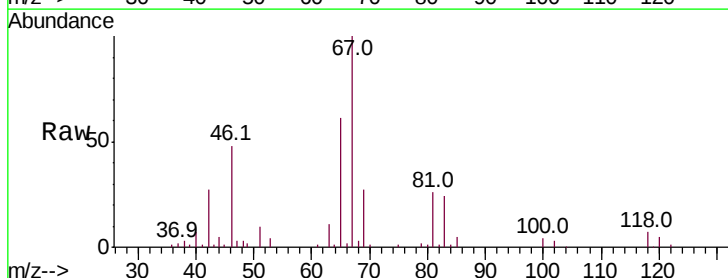


Abundance Ion 83.05 (82.75 to 83.75): VV0  
Ion 85.00 (84.70 to 85.70): VV0

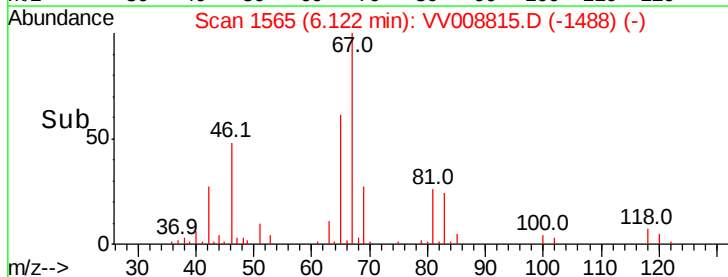
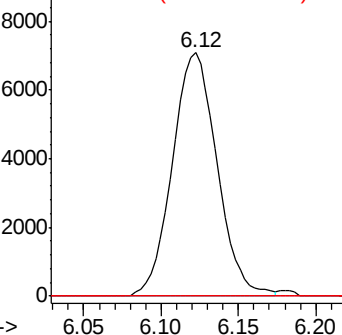


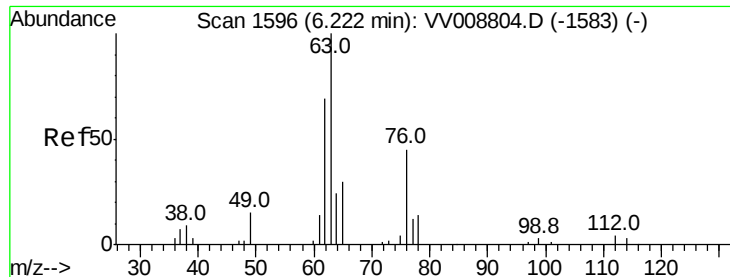
#35  
Methylcyclohexane  
Concen: 0.823 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.05 min  
Lab File: VV008815.D  
Acq: 30 Nov 2018 16:09

Tgt Ion: 83 Resp: 14244  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.1 90.1#  
98 3.8 37.4 56.2#



Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.659 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV008815.D

Acq: 30 Nov 2018 16:09

Instrument :

MSVOA\_V

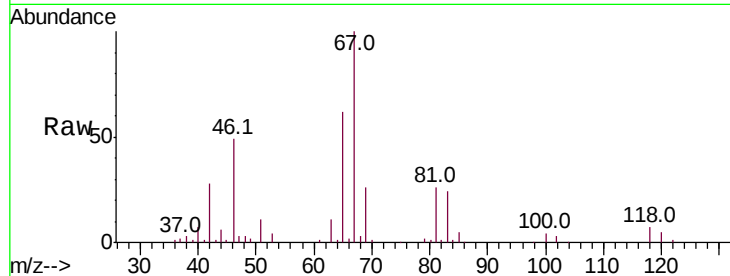
ClientSampleId :

Tot Ion: 63 Resp: 6427

Ion Ratio Lower Upper

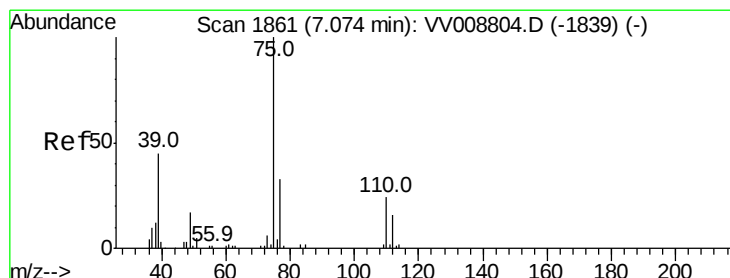
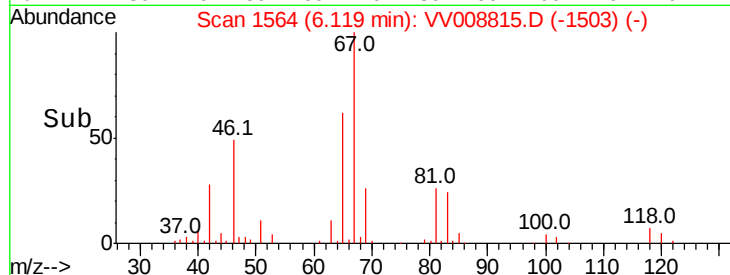
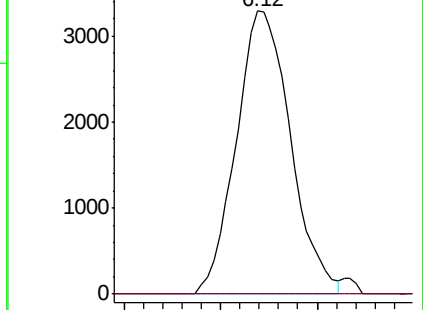
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV008804.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV008804.D (-1583) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.05 min

Lab File: VV008815.D

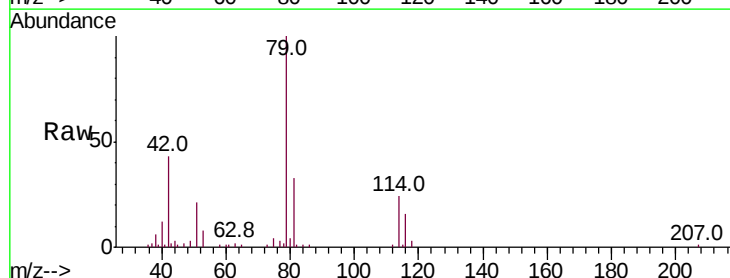
Acq: 30 Nov 2018 16:09

Tgt Ion: 75 Resp: 1585

Ion Ratio Lower Upper

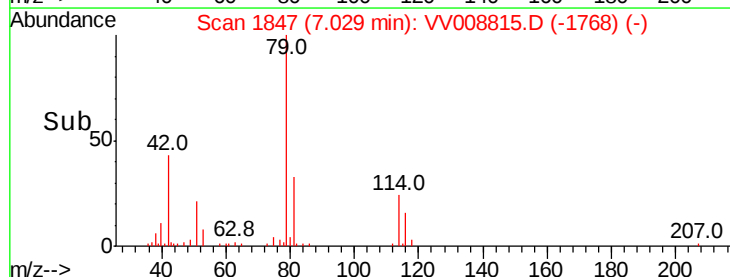
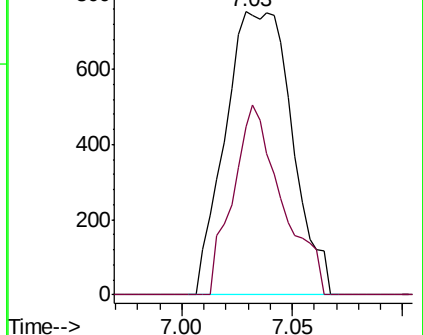
75 100

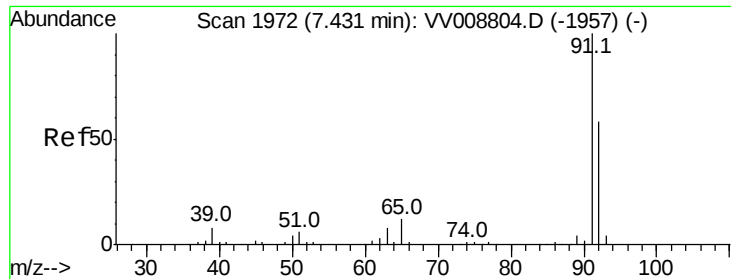
77 59.2 22.8 42.4#



Abundance Ion 75.05 (74.75 to 75.75): VV008804.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV008804.D (-1839) (-)





#42

Toluene

Concen: 0.080 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV008815.D

Acq: 30 Nov 2018 16:09

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 91 Resp: 3283

Ion Ratio Lower Upper

91 100

92 62.8 40.5 75.3

