

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\  
 Data File : VV008014.D  
 Acq On : 02 Oct 2018 00:10  
 Operator : SY/MD  
 Sample : J5159-18  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 02 04:19:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 02 04:17:24 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 85625    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 82682    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 39573    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 23032    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.40% |
| 7) Chloroethane-d5             | 1.59   | 69    | 20462    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.20% |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 37153    | 3.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 64931    | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.06%  |
| 24) Chloroform-d               | 4.41   | 84    | 51515    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 28266    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 100327   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.60% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 31409    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 93679    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10137    | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 45213    | 42.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 85.02%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21700    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 38461    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.40% |

## Target Compounds

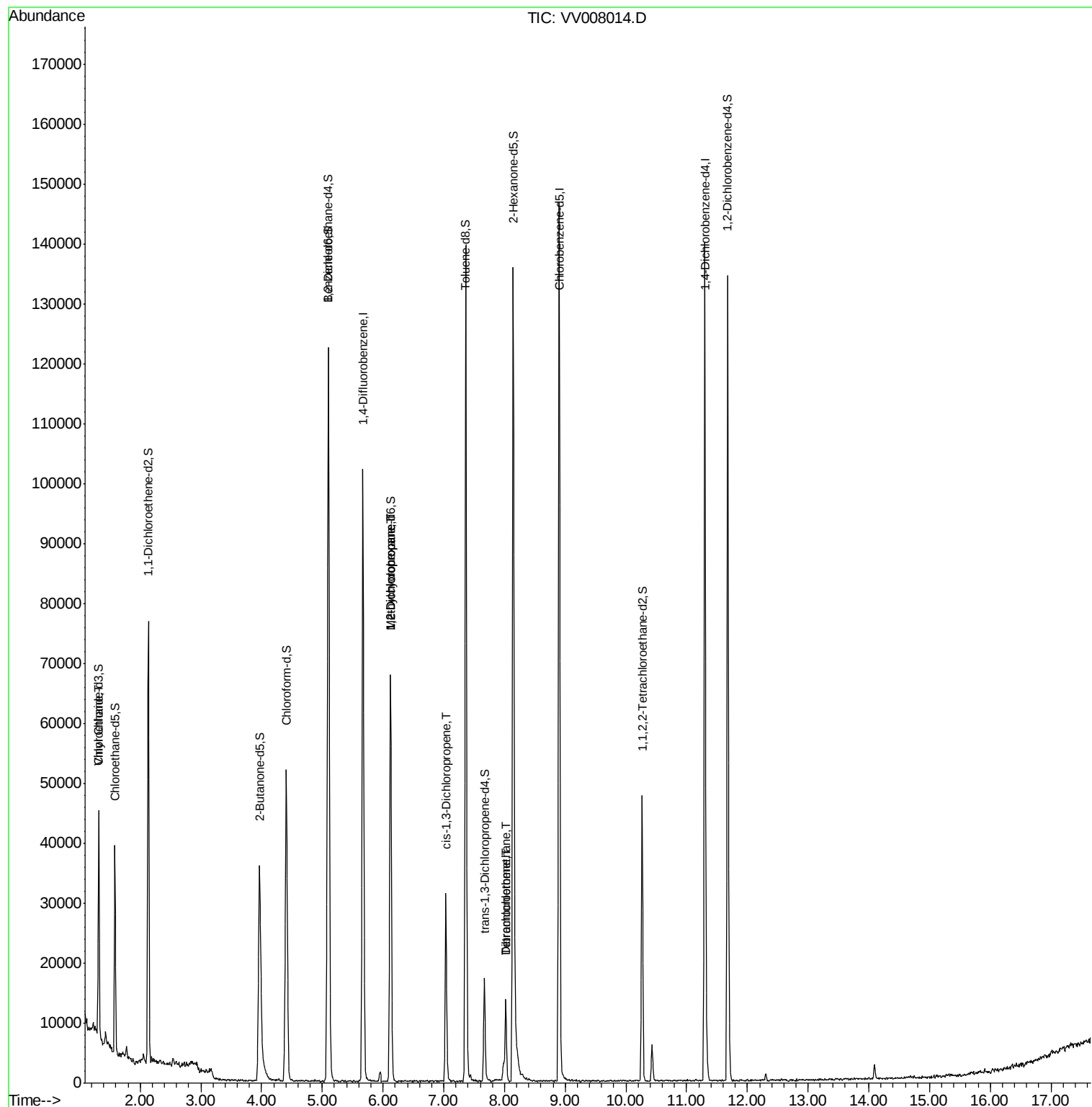
|                             |      |     |      |              | Ovalue |
|-----------------------------|------|-----|------|--------------|--------|
| 8) Chloroethane             | 1.32 | 64  | 352  | 0.085 ug/L # | 1      |
| 35) Methylcyclohexane       | 6.12 | 83  | 7731 | 0.761 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.13 | 63  | 3643 | 0.602 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75  | 724  | 0.089 ug/L # | 49     |
| 47) Tetrachloroethene       | 8.02 | 164 | 3178 | 0.506 ug/L   | 96     |
| 49) Dibromochloromethane    | 8.03 | 129 | 2738 | 0.549 ug/L # | 12     |

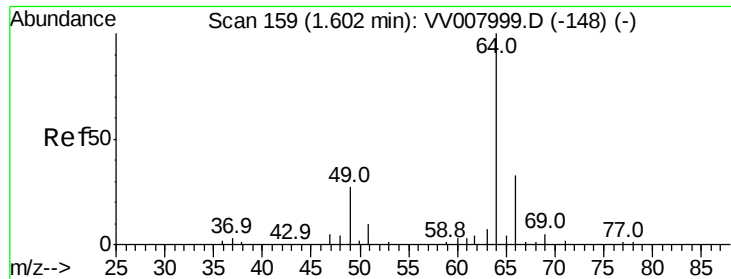
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 02 04:17:24 2018  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.085 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008014.D

Acq: 02 Oct 2018 00:10

Instrument :

MSVOA\_V

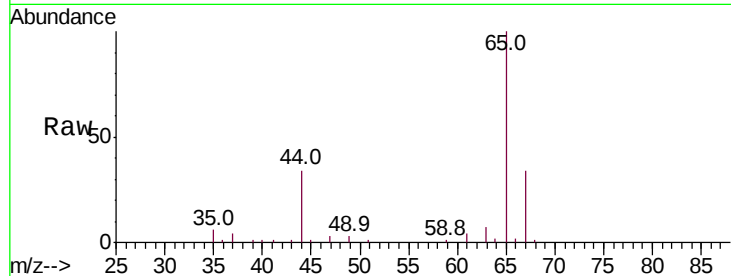
ClientSampleId :

Tot Ion: 64 Resp: 352

Ion Ratio Lower Upper

64 100

66 122.6 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV007999.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV007999.D (-148) (-)

600

500

400

300

200

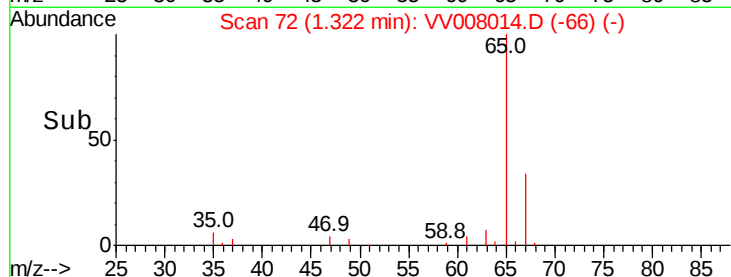
100

0

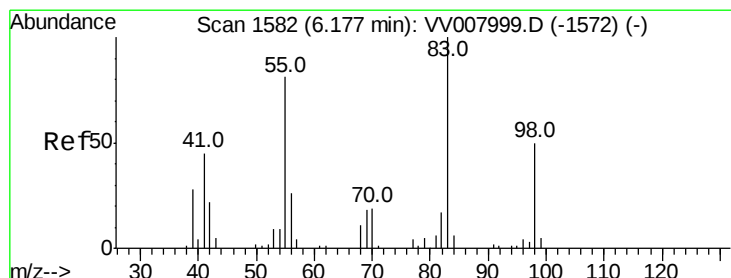
1.30

1.32

1.34



Time-->



#35

Methylcyclohexane

Concen: 0.761 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008014.D

Acq: 02 Oct 2018 00:10

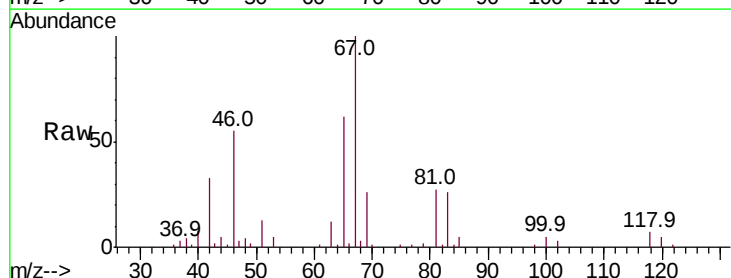
Tgt Ion: 83 Resp: 7731

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

98 0.5 38.0 57.0#



Abundance Ion 83.15 (82.85 to 83.85): VV007999.D (-1572) (-)

Ion 55.10 (54.80 to 55.80): VV007999.D (-1572) (-)

Ion 98.15 (97.85 to 98.85): VV007999.D (-1572) (-)

5000

4000

3000

2000

1000

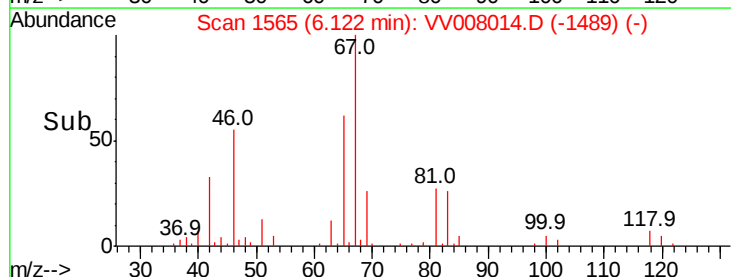
0

6.05

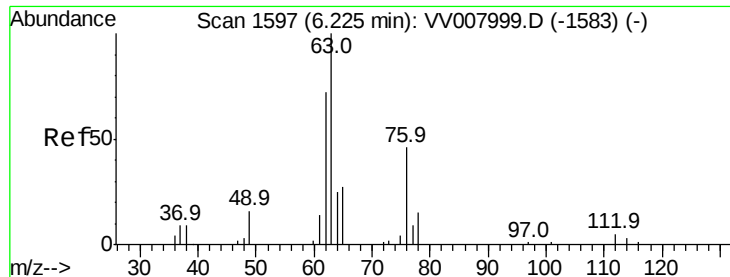
6.10

6.15

6.20



Time-->



#37

1,2-Dichloropropane

Concen: 0.602 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV008014.D

Acq: 02 Oct 2018 00:10

Instrument :

MSVOA\_V

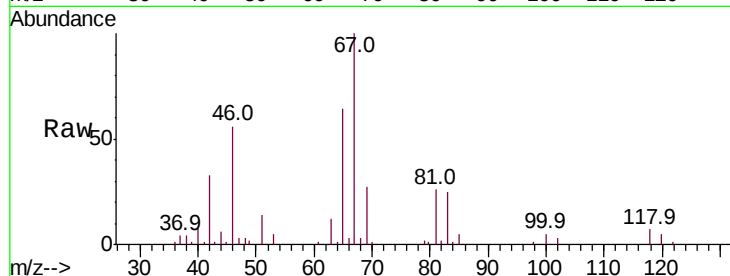
ClientSampleId :

Tot Ion: 63 Resp: 3643

Ion Ratio Lower Upper

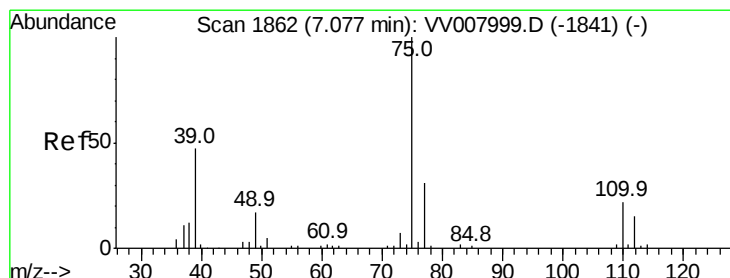
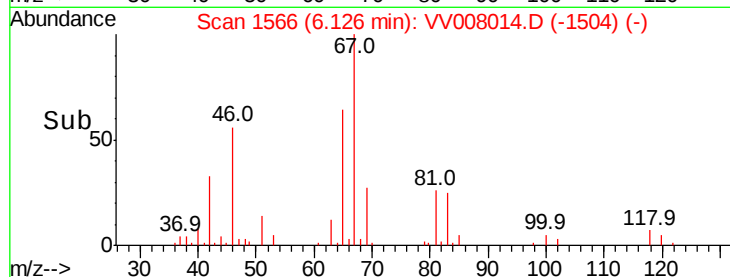
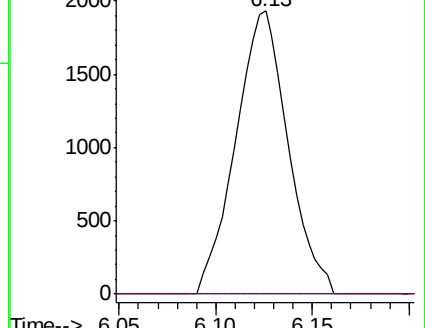
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007999.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV007999.D (-1583) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.05 min

Lab File: VV008014.D

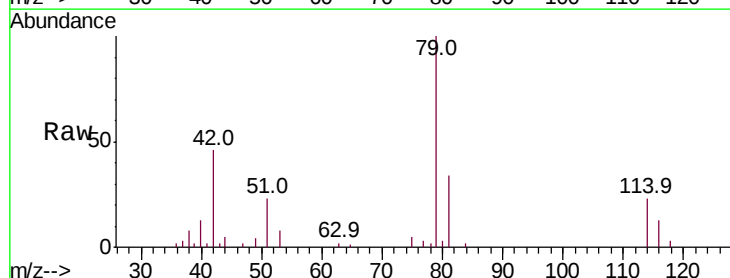
Acq: 02 Oct 2018 00:10

Tgt Ion: 75 Resp: 724

Ion Ratio Lower Upper

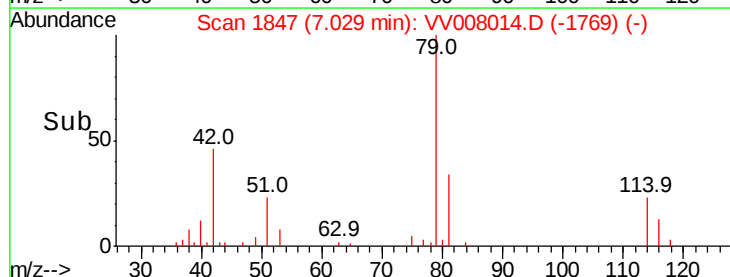
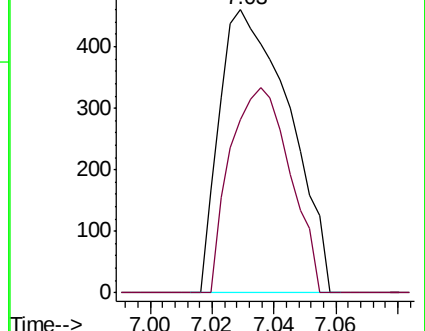
75 100

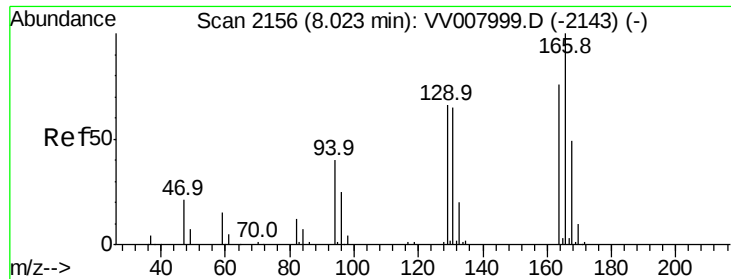
77 61.3 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007999.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV007999.D (-1841) (-)

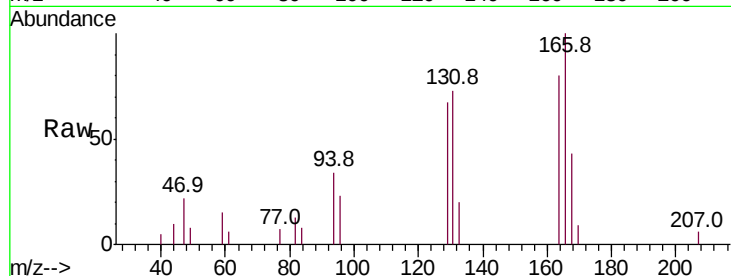




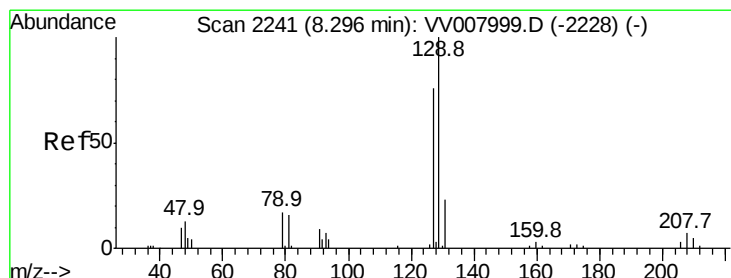
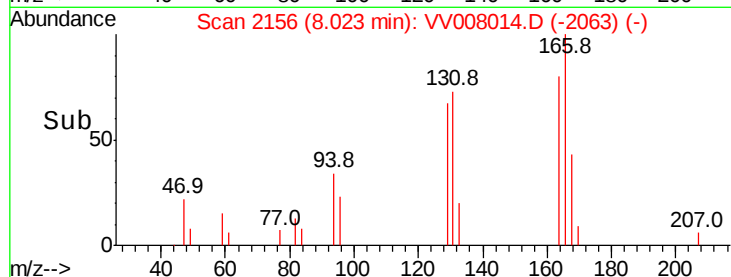
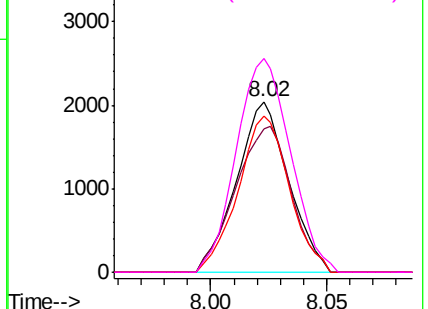
#47  
Tetrachloroethene  
Concen: 0.506 ug/L  
RT: 8.02 min Scan# 2156  
Delta R.T. 0.00 min  
Lab File: VV008014.D  
Acq: 02 Oct 2018 00:10

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:164 Resp: 3178  
Ion Ratio Lower Upper  
164 100  
129 84.1 59.2 110.0  
131 91.7 57.1 106.1  
166 125.0 88.6 164.6

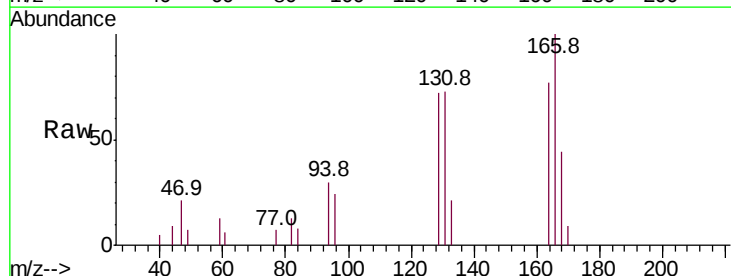


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V



#49  
Dibromochloromethane  
Concen: 0.549 ug/L  
RT: 8.03 min Scan# 2157  
Delta R.T. -0.27 min  
Lab File: VV008014.D  
Acq: 02 Oct 2018 00:10

Tgt Ion:129 Resp: 2738  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V  
Ion 126.90 (126.60 to 127.60): V

