

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV091418\  
 Data File : VV007541.D  
 Acq On : 14 Sep 2018 23:23  
 Operator : SY/MD  
 Sample : VV0914WBL01  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK61

Quant Time: Sep 15 02:09:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091318WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Sep 15 02:08:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 114433   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 101340   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 47759    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 31701    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 106.00% |
| 7) Chloroethane-d5             | 1.59   | 69    | 29834    | 5.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 119.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 57158    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 91.80%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 42128    | 50.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.06% |
| 24) Chloroform-d               | 4.41   | 84    | 67981    | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.80% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 35215    | 5.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 117.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 139642   | 6.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 121.40% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 40825    | 5.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 119.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 138084   | 5.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 115.40% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 16472    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 104.00% |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 32899    | 64.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 129.98% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 26514    | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 52467    | 6.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 120.00% |

## Target Compounds

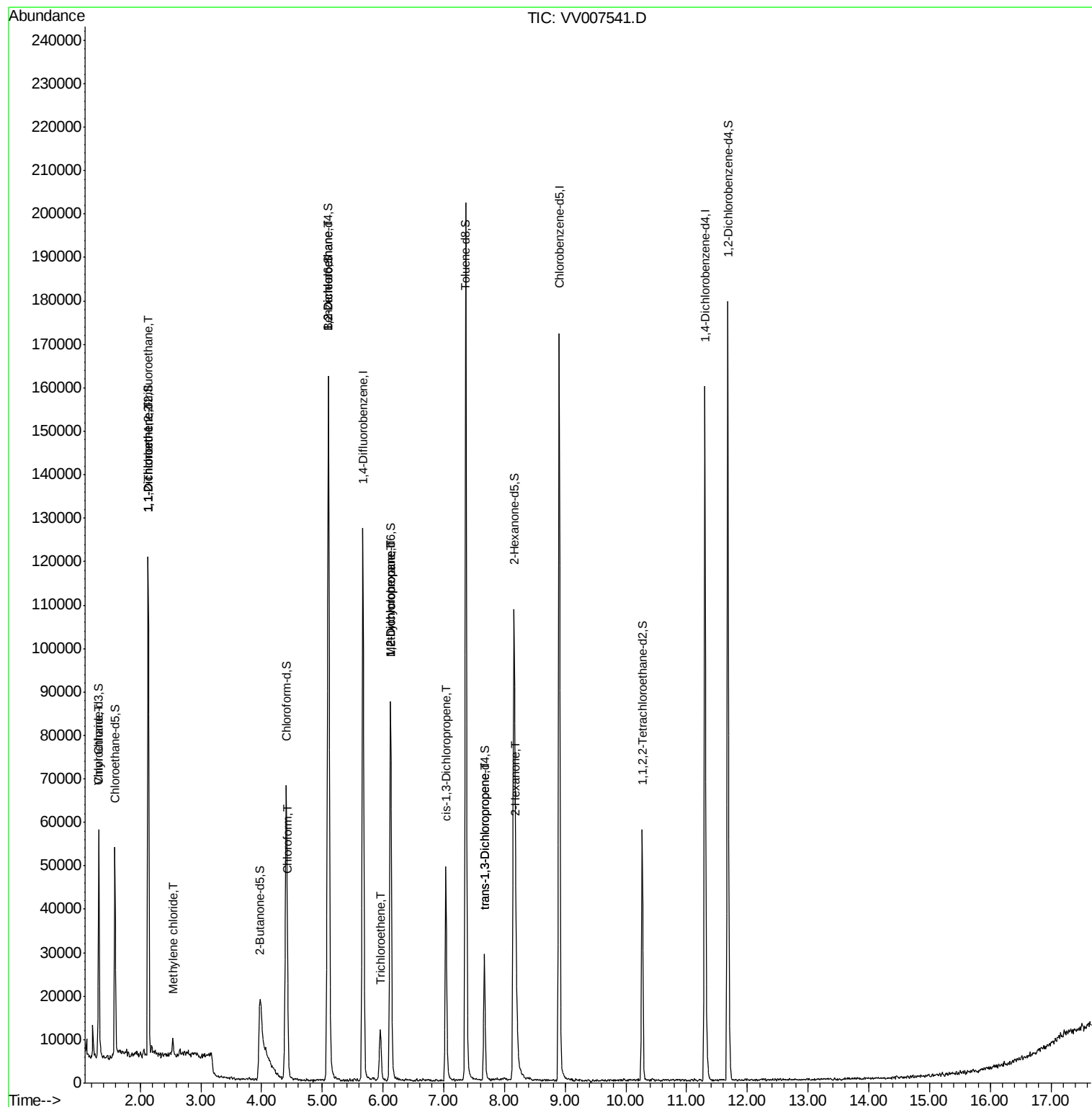
|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 8) Chloroethane                | 1.32 | 64  | 526   | 0.144 ug/L # | 1      |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 573   | 0.089 ug/L # | 13     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 769   | 0.132 ug/L # | 1      |
| 16) Methylene chloride         | 2.54 | 84  | 1621  | 0.258 ug/L   | 98     |
| 25) Chloroform                 | 4.43 | 83  | 1388  | 0.132 ug/L   | 88     |
| 27) 1,2-Dichloroethane         | 5.11 | 62  | 723   | 0.119 ug/L # | 74     |
| 34) Trichloroethene            | 5.96 | 95  | 1579  | 0.246 ug/L   | 94     |
| 35) Methylcyclohexane          | 6.13 | 83  | 10181 | 1.027 ug/L # | 22     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 4775  | 0.926 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 1411  | 0.172 ug/L # | 76     |
| 44) trans-1,3-Dichloropropene  | 7.67 | 75  | 800   | 0.119 ug/L # | 77     |
| 48) 2-Hexanone                 | 8.19 | 43  | 8041  | 3.720 ug/L # | 36     |

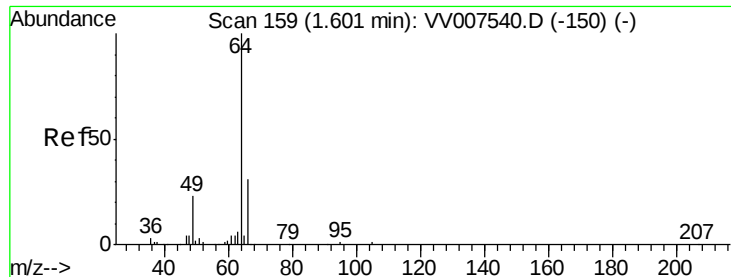
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV091418\  
Data File : VV007541.D  
Acq On : 14 Sep 2018 23:23  
Operator : SY/MD  
Sample : VV0914WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK61

Quant Time: Sep 15 02:09:14 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091318WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Sep 15 02:08:52 2018  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.144 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV007541.D

Acq: 14 Sep 2018 23:23

Instrument :

MSVOA\_V

ClientSampleId :

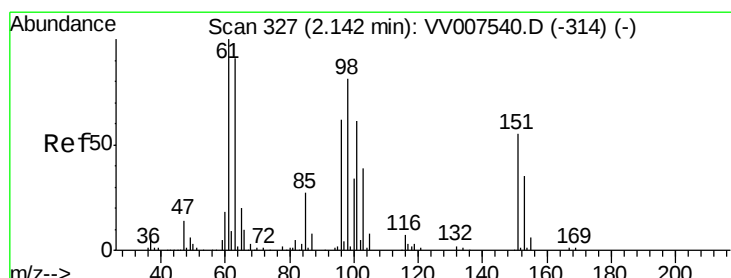
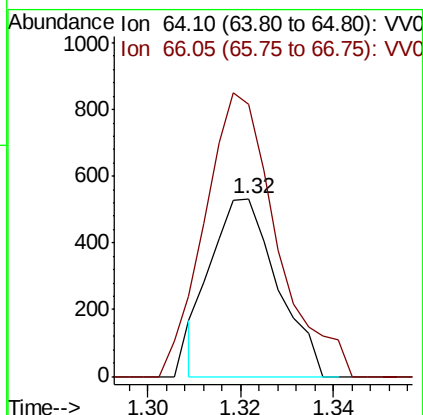
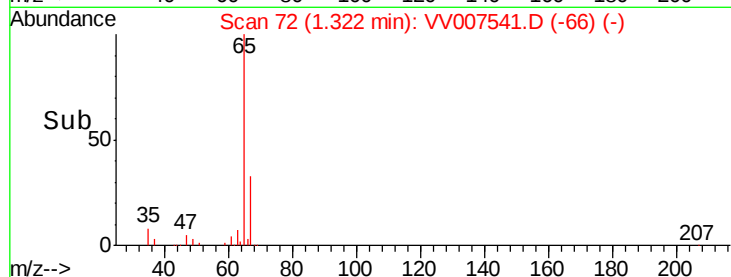
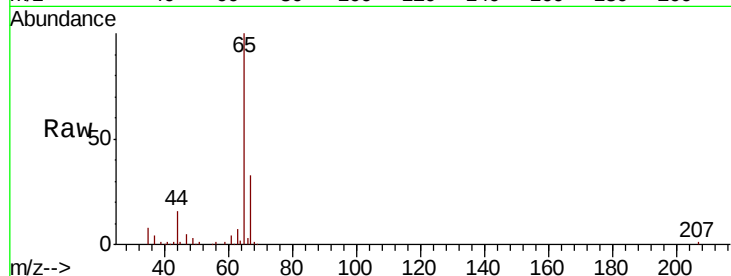
VBLK61

Tgt Ion: 64 Resp: 526

Ion Ratio Lower Upper

64 100

66 153.4 24.3 45.1#



#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV007541.D

Acq: 14 Sep 2018 23:23

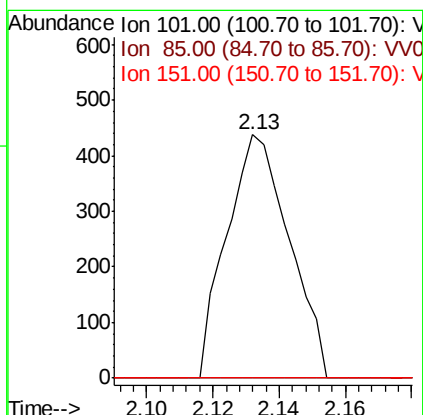
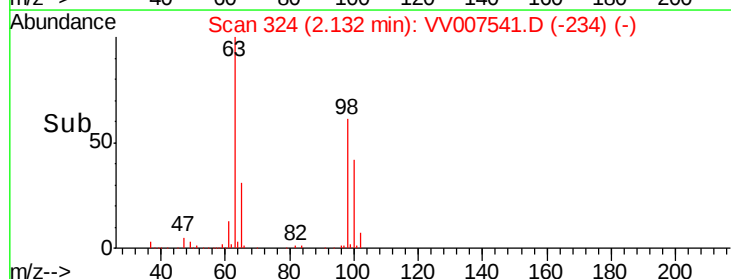
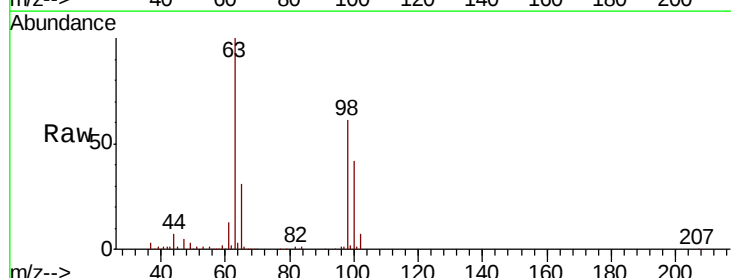
Tgt Ion: 101 Resp: 573

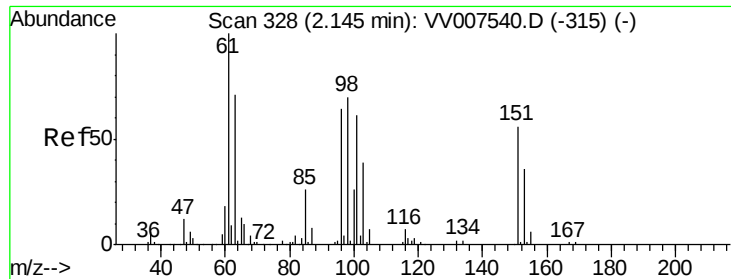
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 72.6 109.0#

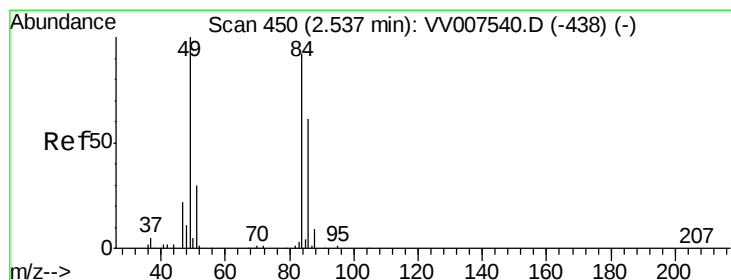
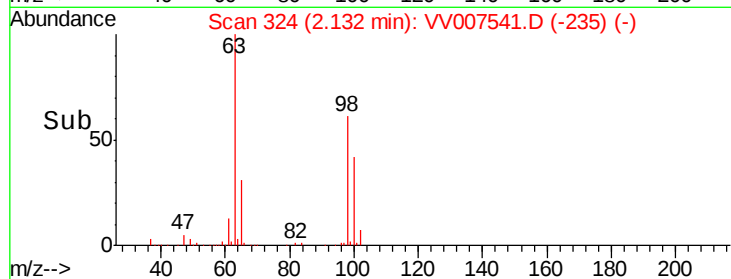
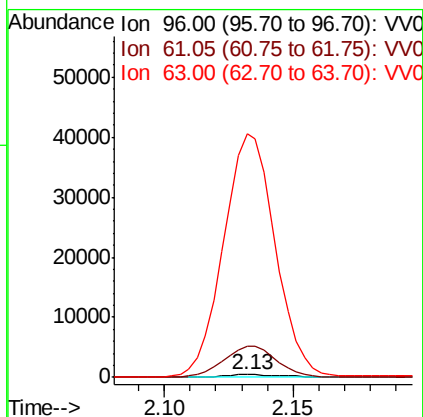
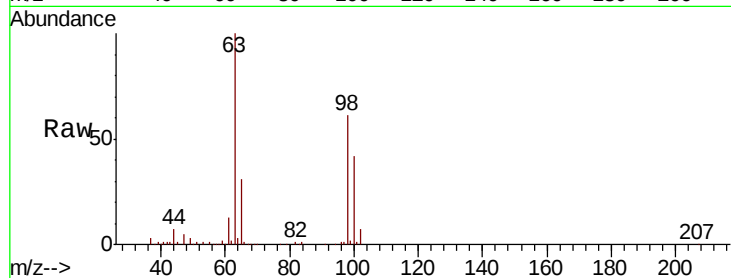




#12  
 1,1-Dichloroethene  
 Concen: 0.132 ug/L  
 RT: 2.13 min Scan# 324  
 Delta R.T. -0.01 min  
 Lab File: VV007541.D  
 Acq: 14 Sep 2018 23:23

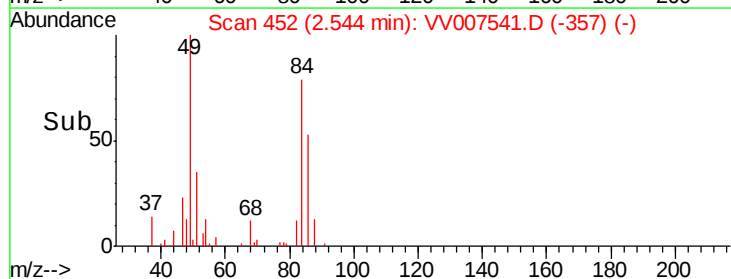
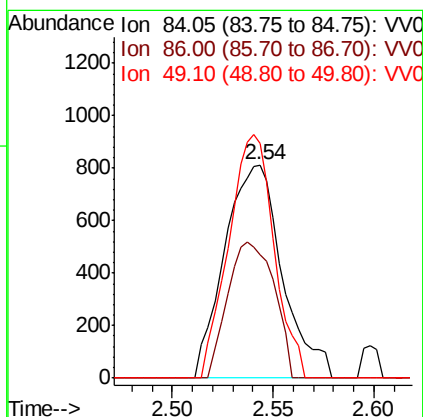
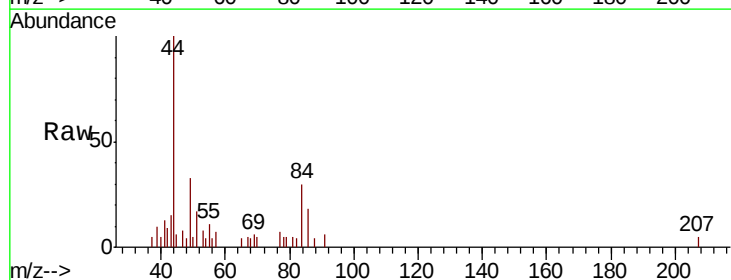
Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 VBLK61

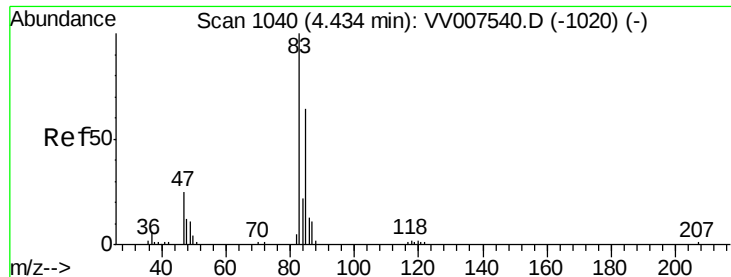
Tgt Ion: 96 Resp: 769  
 Ion Ratio Lower Upper  
 96 100  
 61 1111.6 114.8 213.2#  
 63 8575.1 81.8 151.8#



#16  
 Methylene chloride  
 Concen: 0.258 ug/L  
 RT: 2.54 min Scan# 452  
 Delta R.T. 0.01 min  
 Lab File: VV007541.D  
 Acq: 14 Sep 2018 23:23

Tgt Ion: 84 Resp: 1621  
 Ion Ratio Lower Upper  
 84 100  
 86 58.1 43.7 81.1  
 49 110.0 76.8 142.6





#25

Chloroform

Concen: 0.132 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007541.D

Acq: 14 Sep 2018 23:23

Instrument :

MSVOA\_V

ClientSampleId :

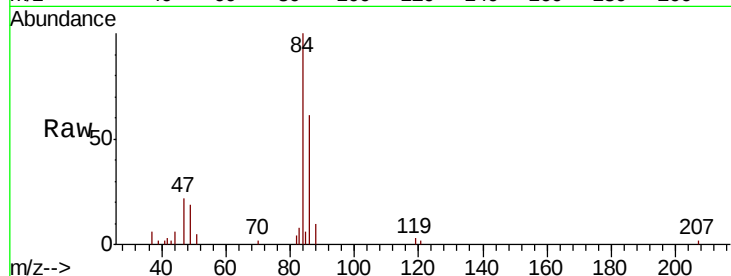
VBLK61

Tgt Ion: 83 Resp: 1388

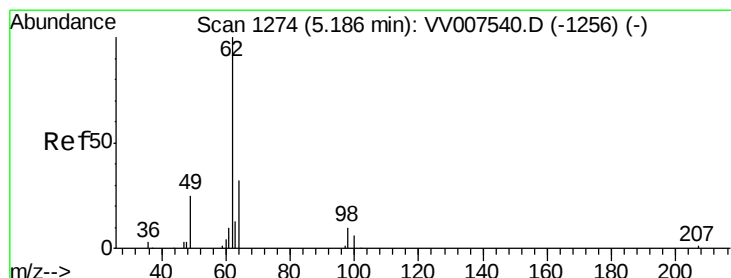
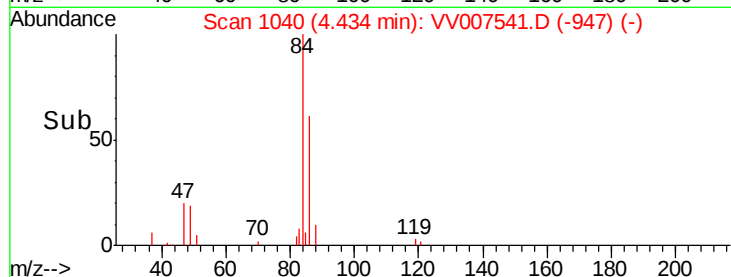
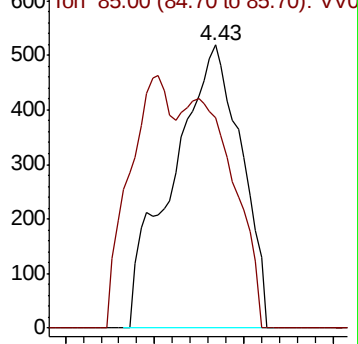
Ion Ratio Lower Upper

83 100

85 74.2 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV007540.D (-1020) (-)



#27

1,2-Dichloroethane

Concen: 0.119 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.08 min

Lab File: VV007541.D

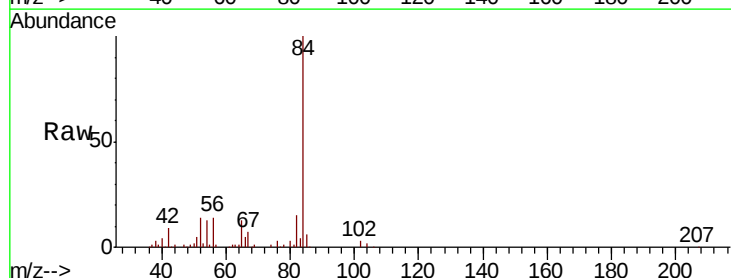
Acq: 14 Sep 2018 23:23

Tgt Ion: 62 Resp: 723

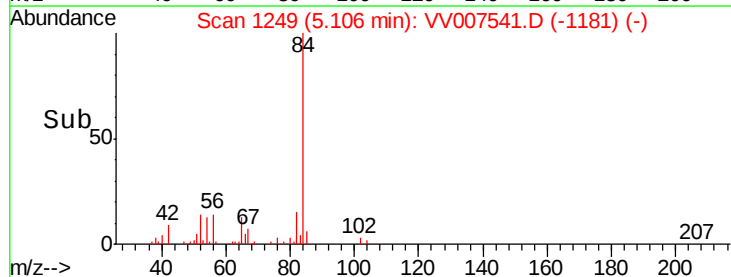
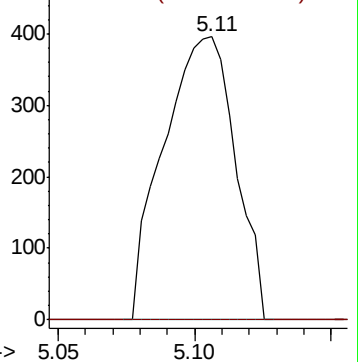
Ion Ratio Lower Upper

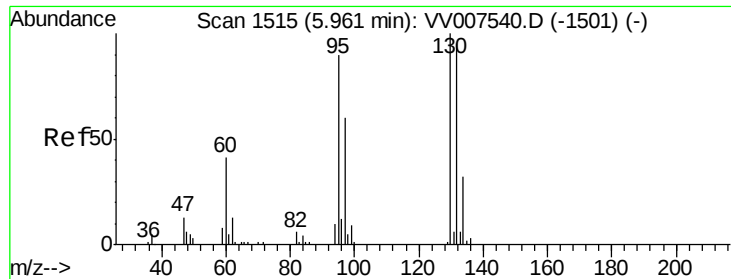
62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VV007540.D (-1256) (-)

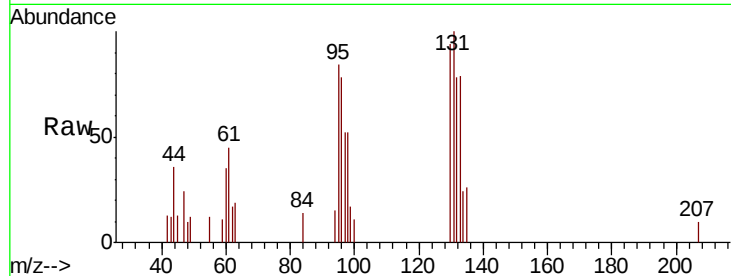




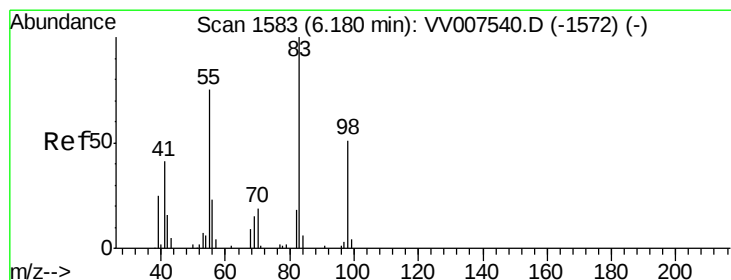
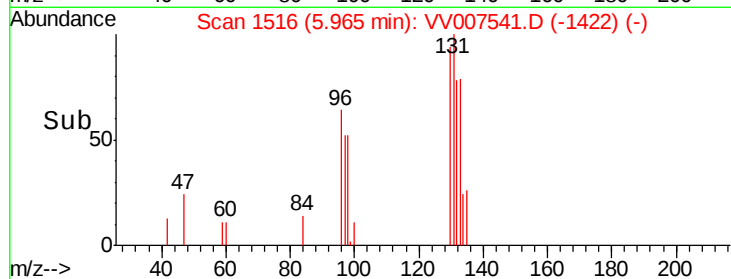
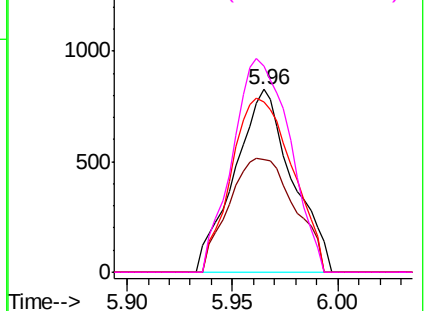
#34  
 Trichloroethene  
 Concen: 0.246 ug/L  
 RT: 5.96 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: VV007541.D  
 Acq: 14 Sep 2018 23:23

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK61

Tgt Ion: 95 Resp: 1579  
 Ion Ratio Lower Upper  
 95 100  
 97 61.9 45.5 84.5  
 132 93.0 74.9 139.1  
 130 112.9 80.0 148.6

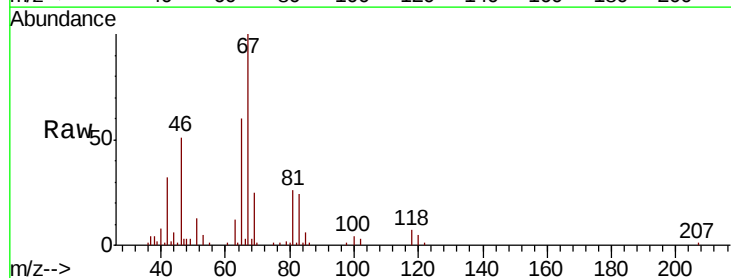


Abundance Ion 95.00 (94.70 to 95.70): VV0  
 Ion 96.95 (96.65 to 97.65): VV0  
 Ion 131.95 (131.65 to 132.65): VV0  
 Ion 129.95 (129.65 to 130.65): VV0

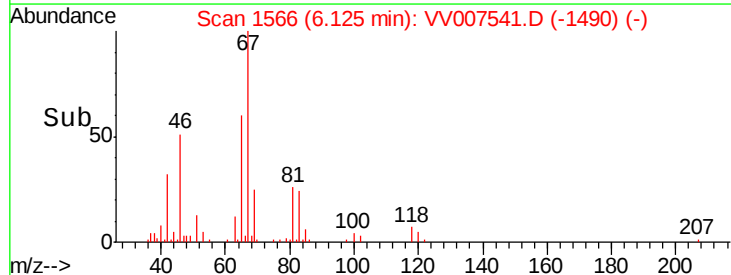
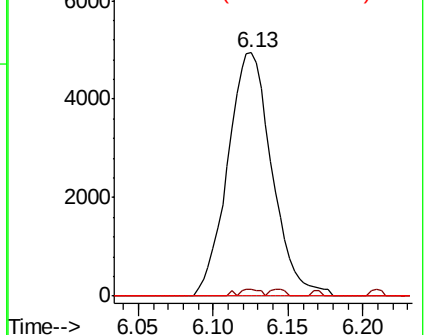


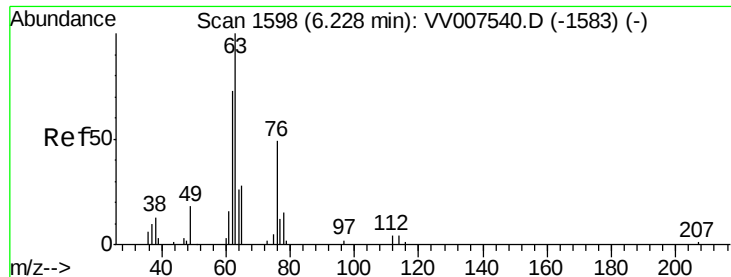
#35  
 Methylcyclohexane  
 Concen: 1.027 ug/L  
 RT: 6.13 min Scan# 1566  
 Delta R.T. -0.05 min  
 Lab File: VV007541.D  
 Acq: 14 Sep 2018 23:23

Tgt Ion: 83 Resp: 10181  
 Ion Ratio Lower Upper  
 83 100  
 55 1.3 55.0 82.4#  
 98 0.0 37.6 56.4#



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: 0.926 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.11 min

Lab File: VV007541.D

Acq: 14 Sep 2018 23:23

Instrument :

MSVOA\_V

ClientSampled :

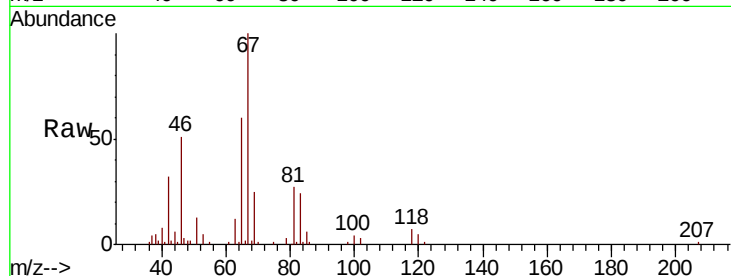
VBLK61

Tgt Ion: 63 Resp: 4775

Ion Ratio Lower Upper

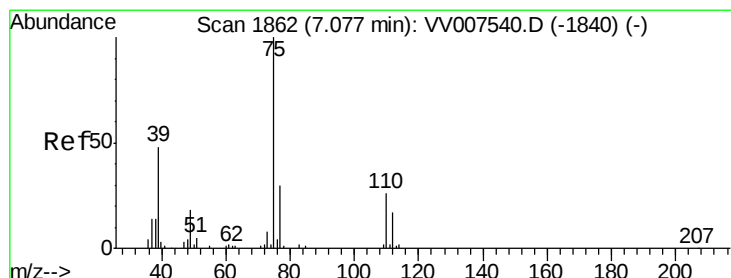
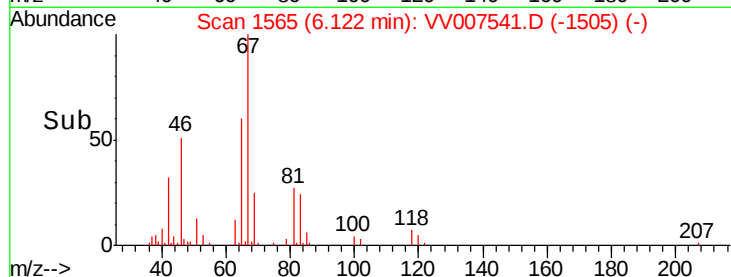
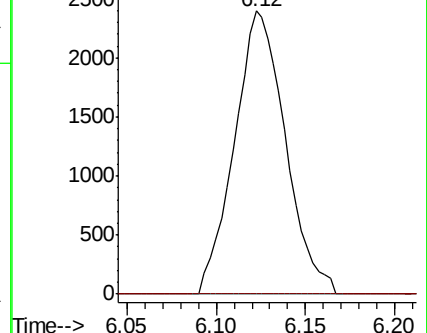
63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV007540.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV007540.D (-1583) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.172 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV007541.D

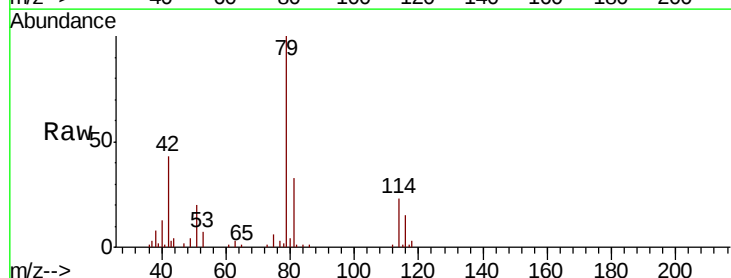
Acq: 14 Sep 2018 23:23

Tgt Ion: 75 Resp: 1411

Ion Ratio Lower Upper

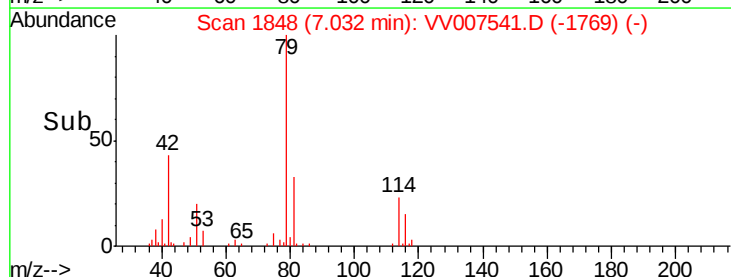
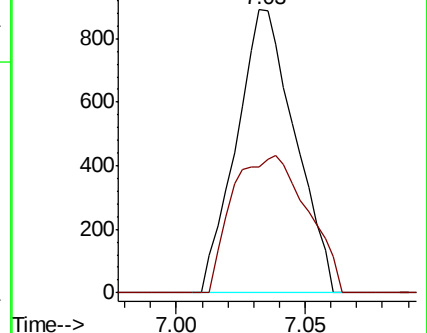
75 100

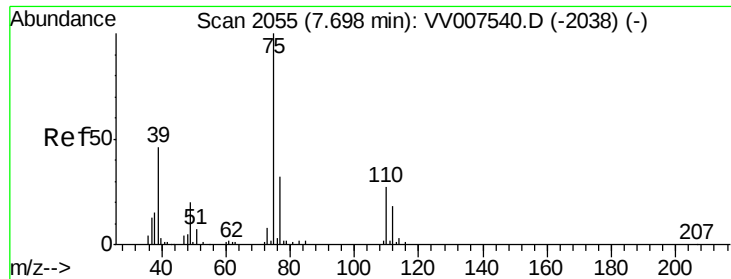
77 44.6 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV007540.D (-1840) (-)

Ion 77.05 (76.75 to 77.75): VV007540.D (-1840) (-)

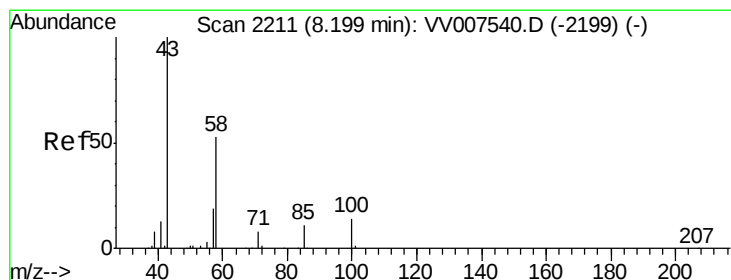
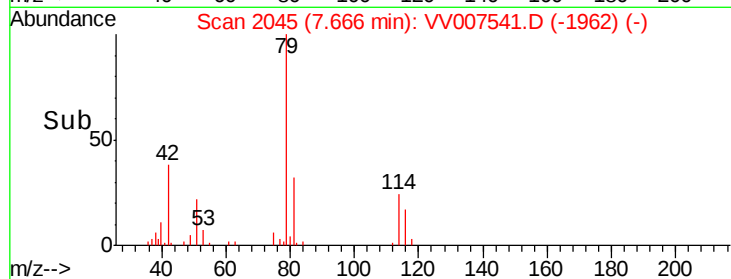
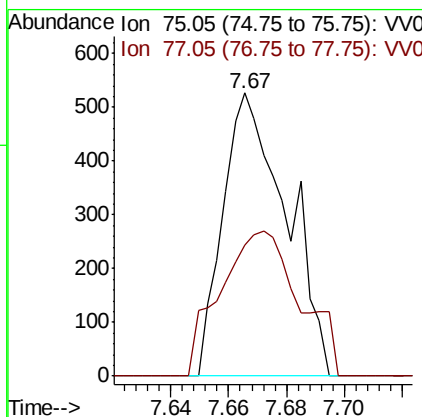
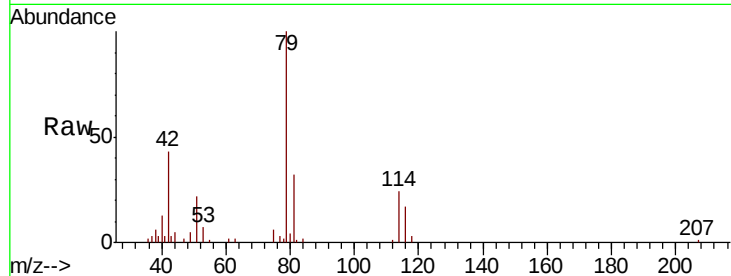




#44  
trans-1,3-Dichloropropene  
Concen: 0.119 ug/L  
RT: 7.67 min Scan# 2045  
Delta R.T. -0.03 min  
Lab File: VV007541.D  
Acq: 14 Sep 2018 23:23

Instrument :  
MSVOA\_V  
ClientSampled :  
VBLK61

Tgt Ion: 75 Resp: 800  
Ion Ratio Lower Upper  
75 100  
77 46.3 23.4 43.4#



#48  
2-Hexanone  
Concen: 3.720 ug/L  
RT: 8.19 min Scan# 2209  
Delta R.T. -0.01 min  
Lab File: VV007541.D  
Acq: 14 Sep 2018 23:23

Tgt Ion: 43 Resp: 8041  
Ion Ratio Lower Upper  
43 100  
58 0.0 49.8 74.6#  
57 0.0 18.2 27.4#  
100 6.1 11.0 16.4#

