

Data File : VV007628.D  
Acq On : 19 Sep 2018 03:19  
Operator : SY/MD  
Sample : VV0918WBL02  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK66

Quant Time: Sep 19 04:08:30 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091818WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Sep 19 01:47:19 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 118676   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 107642   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 57809    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 25863    | 4.57     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%   |
| 7) Chloroethane-d5             | 1.59   | 69    | 23632    | 4.66     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.20%   |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 45390    | 3.32     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.40%   |
| 20) 2-Butanone-d5              | 3.97   | 46    | 51567    | 66.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 132.22%# |
| 24) Chloroform-d               | 4.41   | 84    | 51876    | 4.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.80%   |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 28182    | 4.81     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.20%   |
| 32) Benzene-d6                 | 5.10   | 84    | 107684   | 4.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%   |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 31191    | 4.77     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.40%   |
| 41) Toluene-d8                 | 7.36   | 98    | 109499   | 4.61     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.20%   |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 11430    | 3.93     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.60%   |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 26750    | 51.93    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 19268    | 4.24     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 84.80%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 46084    | 4.55     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.00%   |

#### Target Compounds

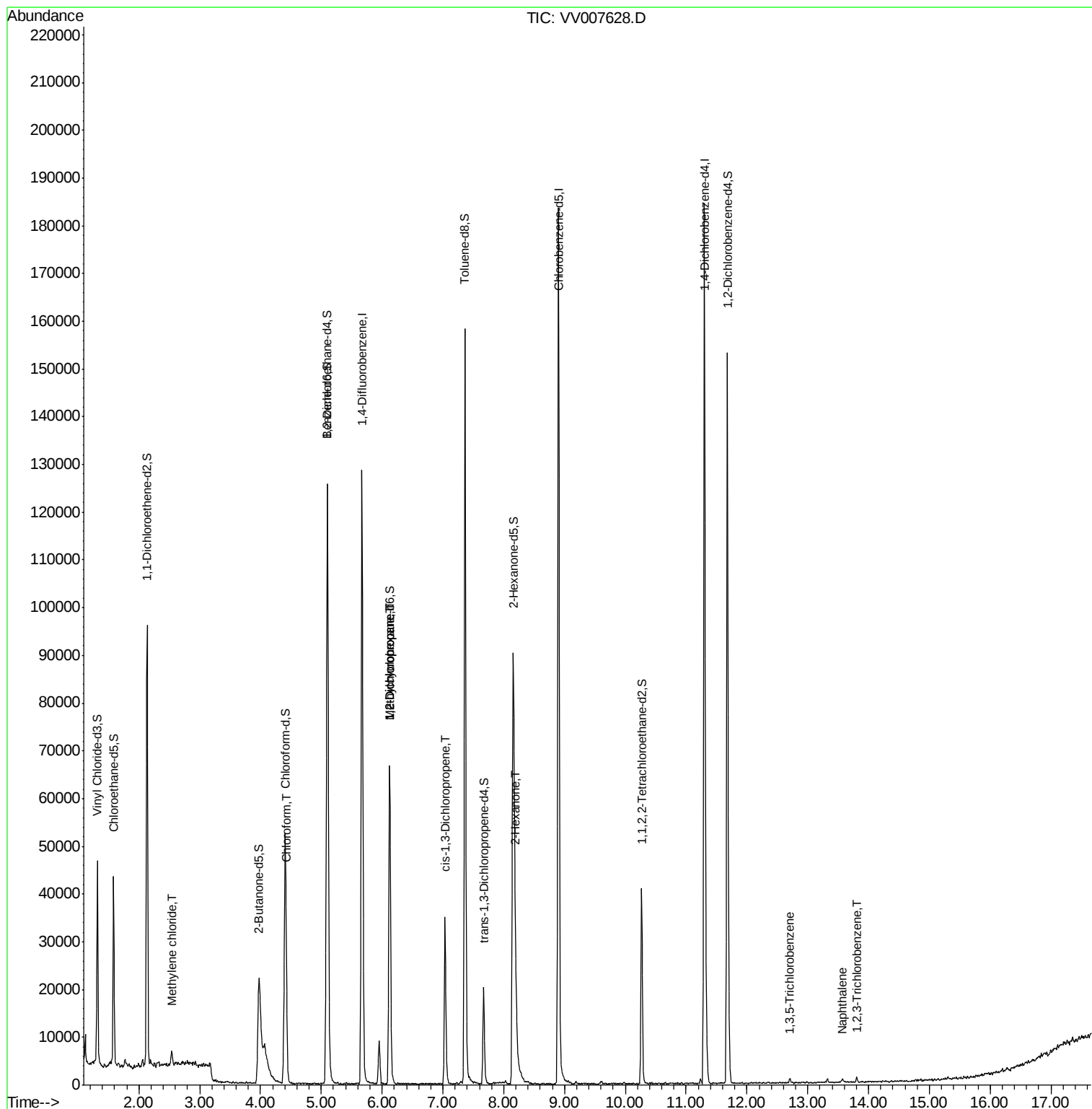
|                             |       |     |       |       |        | Qvalue |
|-----------------------------|-------|-----|-------|-------|--------|--------|
| 16) Methylene chloride      | 2.54  | 84  | 1083  | 0.124 | ug/L   | 97     |
| 25) Chloroform              | 4.43  | 83  | 1801  | 0.132 | ug/L   | 91     |
| 35) Methylcyclohexane       | 6.12  | 83  | 8108  | 0.609 | ug/L # | 29     |
| 37) 1,2-Dichloropropane     | 6.12  | 63  | 3560  | 0.567 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.04  | 75  | 1001  | 0.097 | ug/L # | 53     |
| 48) 2-Hexanone              | 8.20  | 43  | 10169 | 3.591 | ug/L # | 82     |
| 67) 1,3,5-Trichlorobenzene  | 12.70 | 180 | 649   | 0.043 | ug/L # | 75     |
| 69) Naphthalene             | 13.57 | 128 | 1121  | 0.090 | ug/L # | 78     |
| 70) 1,2,3-Trichlorobenzene  | 13.80 | 180 | 551   | 0.056 | ug/L # | 78     |

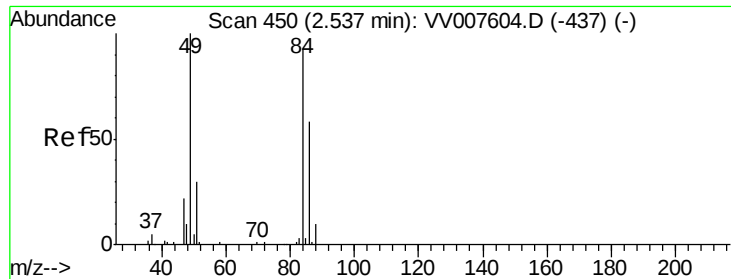
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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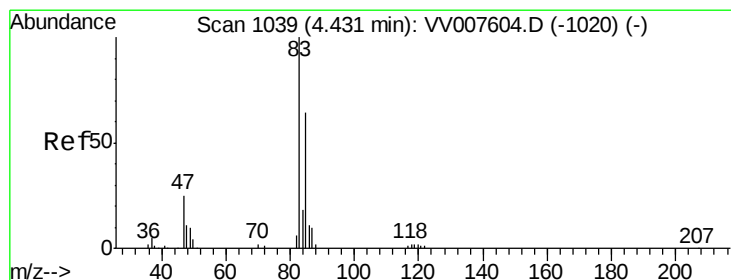
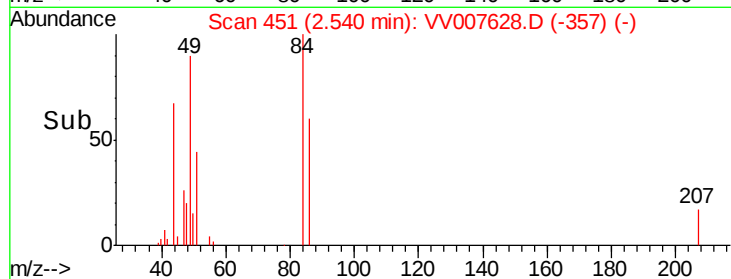
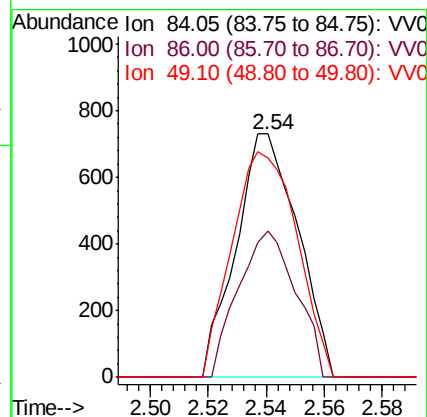
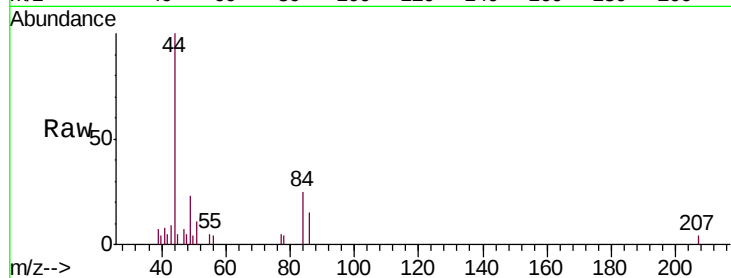




#16  
Methylene chloride  
Concen: 0.124 ug/L  
RT: 2.54 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VV007628.D  
Acq: 19 Sep 2018 03:19

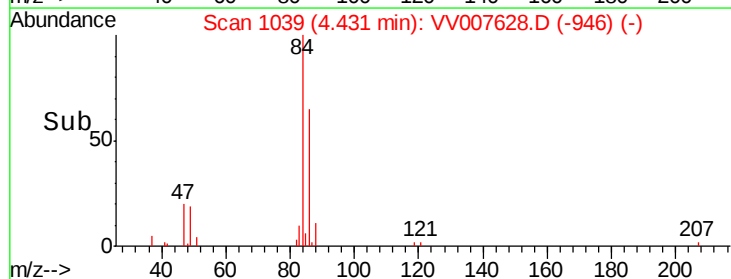
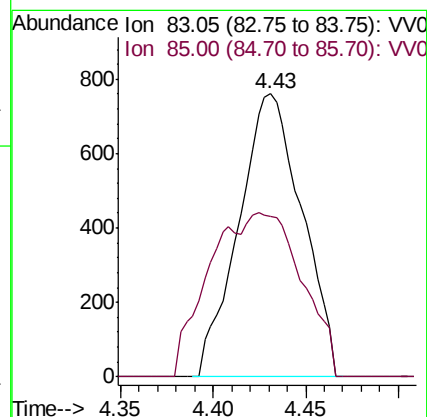
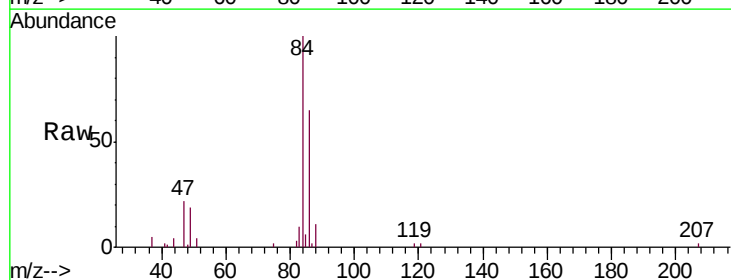
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK66

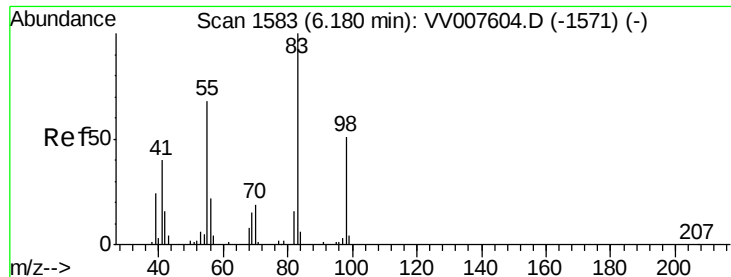
Tgt Ion: 84 Resp: 1083  
Ion Ratio Lower Upper  
84 100  
86 60.2 44.4 82.4  
49 105.6 72.3 134.3



#25  
Chloroform  
Concen: 0.132 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. -0.00 min  
Lab File: VV007628.D  
Acq: 19 Sep 2018 03:19

Tgt Ion: 83 Resp: 1801  
Ion Ratio Lower Upper  
83 100  
85 56.5 44.5 82.7





#35

Methylcyclohexane

Concen: 0.609 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.06 min

Lab File: VV007628.D

Acq: 19 Sep 2018 03:19

Instrument :

MSVOA\_V

ClientSampleId :

VBLK66

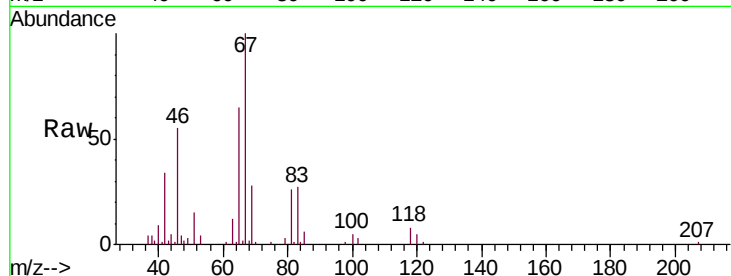
Tgt Ion: 83 Resp: 8108

Ion Ratio Lower Upper

83 100

55 0.8 54.6 82.0#

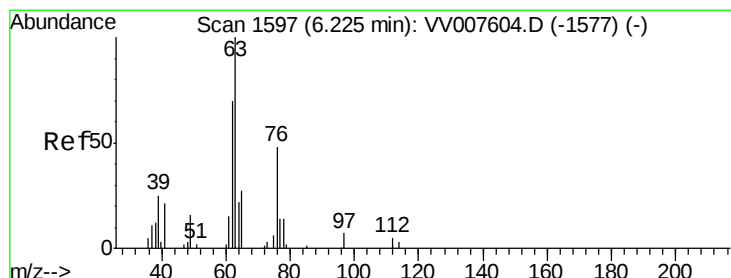
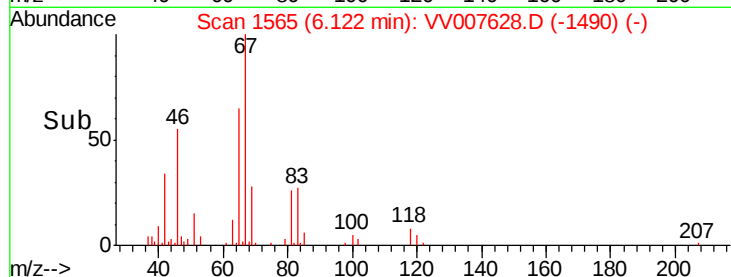
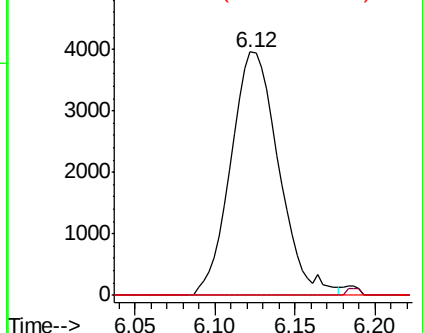
98 12.0 39.8 59.6#



Abundance Ion 83.15 (82.85 to 83.85): VV007604.D (-1571) (-)

Ion 55.10 (54.80 to 55.80): VV007604.D (-1571) (-)

Ion 98.15 (97.85 to 98.85): VV007604.D (-1571) (-)



#37

1,2-Dichloropropane

Concen: 0.567 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV007628.D

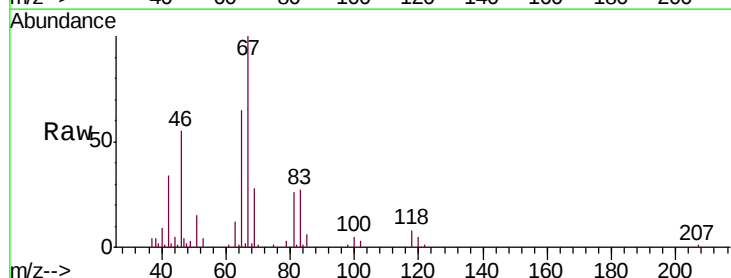
Acq: 19 Sep 2018 03:19

Tgt Ion: 63 Resp: 3560

Ion Ratio Lower Upper

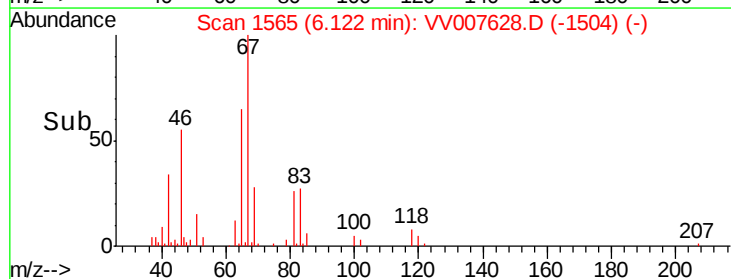
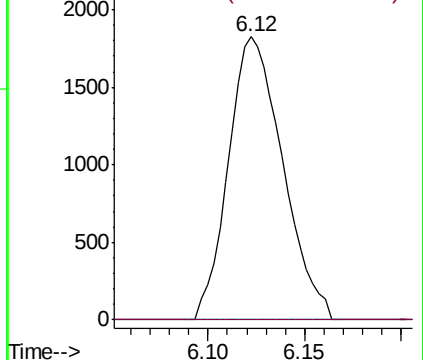
63 100

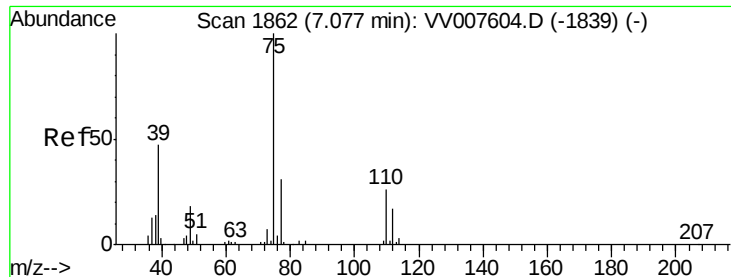
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV007604.D (-1577) (-)

Ion 112.10 (111.80 to 112.80): VV007604.D (-1577) (-)

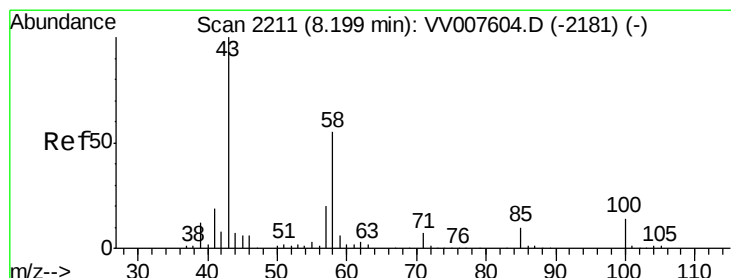
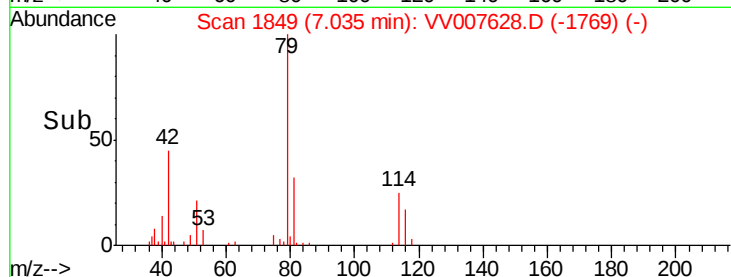
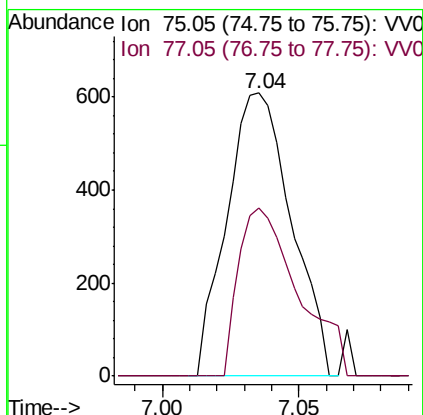
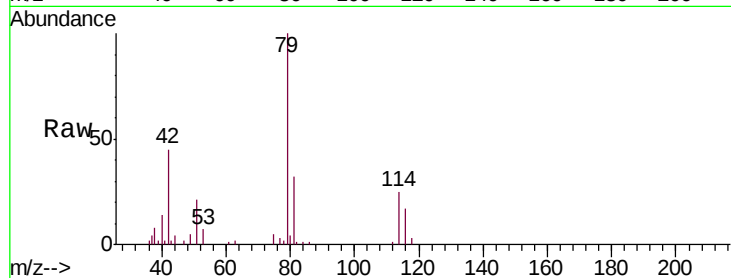




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.097 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV007628.D  
 Acq: 19 Sep 2018 03:19

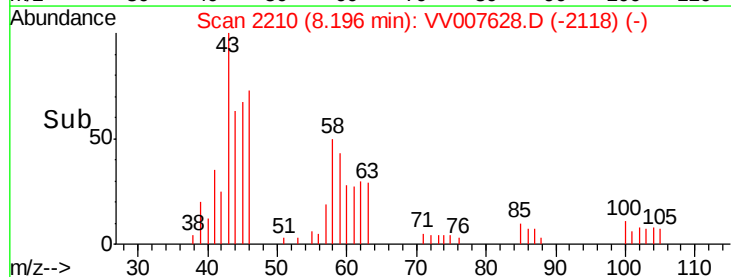
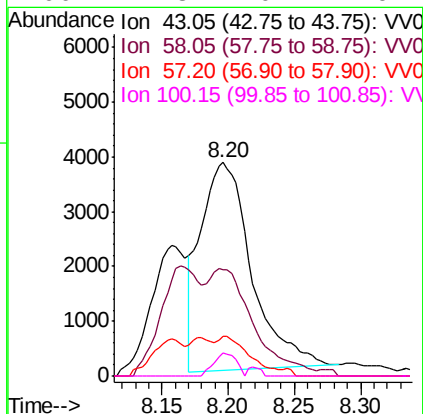
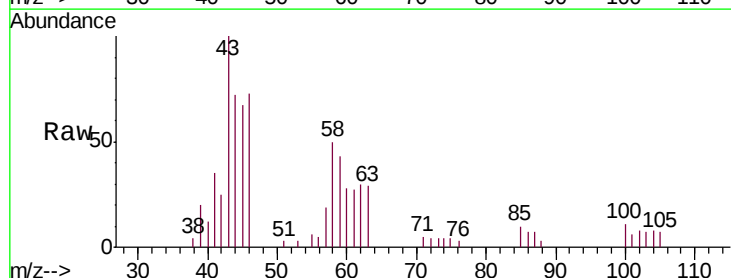
Instrument :  
 MSVOA\_V  
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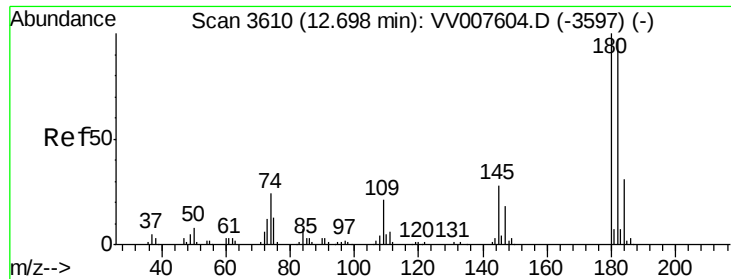
Tgt Ion: 75 Resp: 1001  
 Ion Ratio Lower Upper  
 75 100  
 77 59.5 23.0 42.8#



#48  
 2-Hexanone  
 Concen: 3.591 ug/L  
 RT: 8.20 min Scan# 2210  
 Delta R.T. -0.00 min  
 Lab File: VV007628.D  
 Acq: 19 Sep 2018 03:19

Tgt Ion: 43 Resp: 10169  
 Ion Ratio Lower Upper  
 43 100  
 58 43.8 45.5 68.3#  
 57 12.4 16.3 24.5#  
 100 4.8 10.7 16.1#

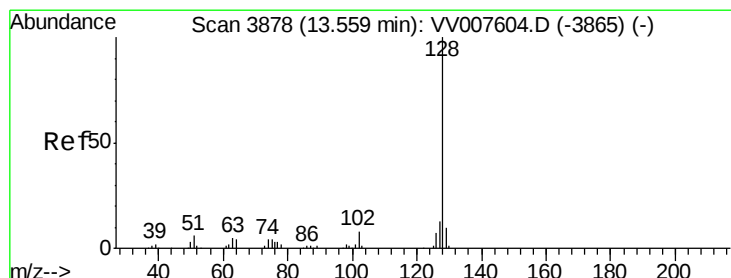
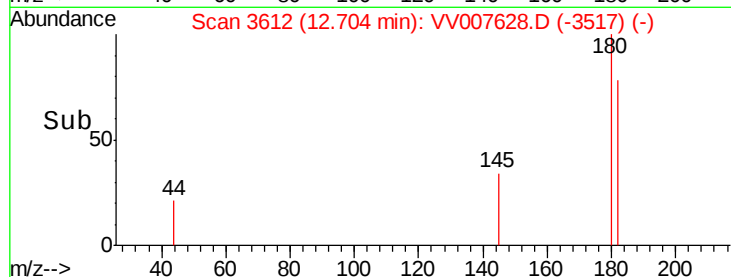
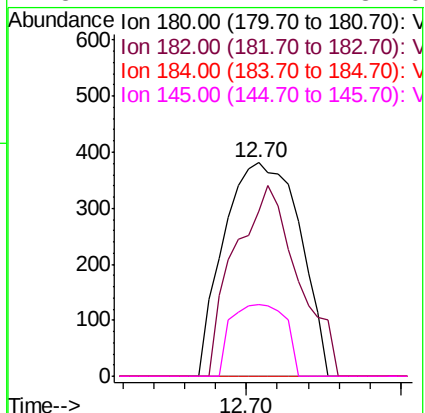
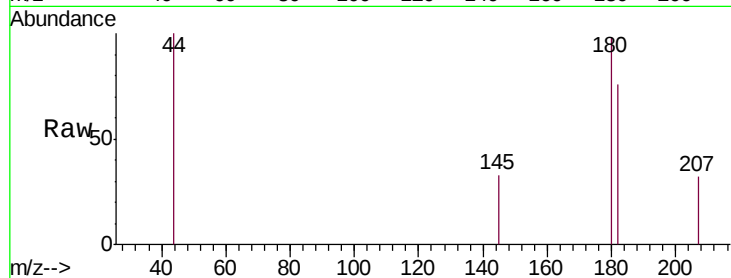




#67  
 1,3,5-Trichlorobenzene  
 Concen: 0.043 ug/L  
 RT: 12.70 min Scan# 3612  
 Delta R.T. 0.01 min  
 Lab File: VV007628.D  
 Acq: 19 Sep 2018 03:19

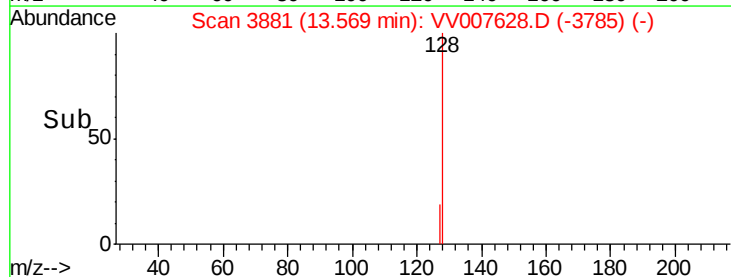
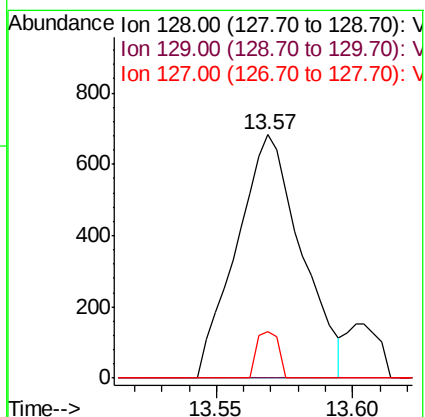
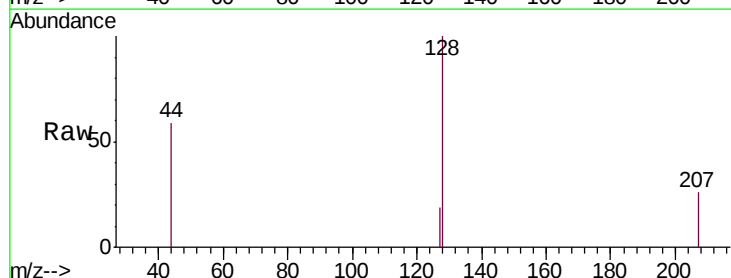
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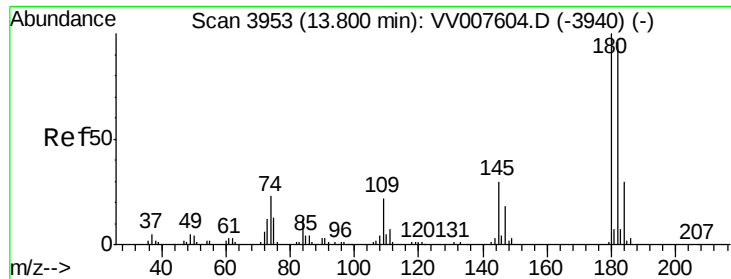
Tgt Ion:180 Resp: 649  
 Ion Ratio Lower Upper  
 180 100  
 182 74.7 75.4 113.2#  
 184 0.0 24.6 36.8#  
 145 24.2 21.4 32.0



#69  
 Naphthalene  
 Concen: 0.090 ug/L  
 RT: 13.57 min Scan# 3881  
 Delta R.T. 0.01 min  
 Lab File: VV007628.D  
 Acq: 19 Sep 2018 03:19

Tgt Ion:128 Resp: 1121  
 Ion Ratio Lower Upper  
 128 100  
 129 0.0 8.6 12.8#  
 127 6.3 10.4 15.6#





#70  
 1,2,3-Trichlorobenzene  
 Concen: 0.056 ug/L  
 RT: 13.80 min Scan# 3954  
 Delta R.T. 0.00 min  
 Lab File: VV007628.D  
 Acq: 19 Sep 2018 03:19

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK66

Tgt Ion:180 Resp: 551  
 Ion Ratio Lower Upper  
 180 100  
 182 112.3 75.1 112.7  
 145 12.2 23.6 35.4#

