

Data File : VV008173.D  
Acq On : 09 Oct 2018 00:46  
Operator : SY/MD  
Sample : J5280-07  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BEYJ4

Quant Time: Oct 09 04:09:52 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR100518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 09 04:07:48 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 83833    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 81408    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 36334    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24503    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.20%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 20439    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 35396    | 3.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.20%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 63123    | 50.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.98% |
| 24) Chloroform-d               | 4.41   | 84    | 51210    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26083    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 99665    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 31574    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 86946    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.00%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10102    | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 37947    | 41.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 82.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21120    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 34681    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.60% |

#### Target Compounds

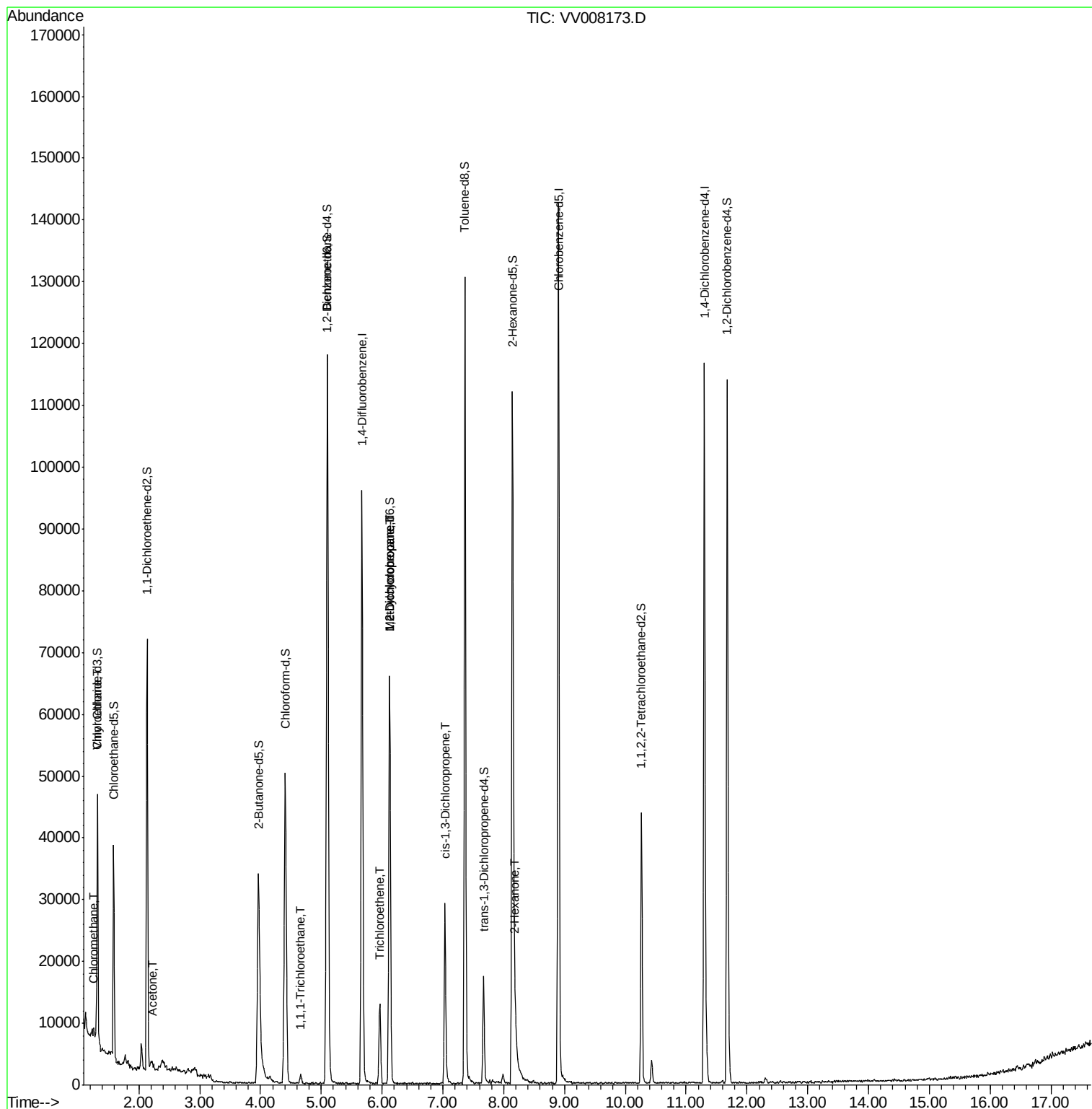
|                             |      |    |      |              | Qvalue |
|-----------------------------|------|----|------|--------------|--------|
| 3) Chloromethane            | 1.25 | 50 | 745  | 0.156 ug/L   | 95     |
| 8) Chloroethane             | 1.32 | 64 | 346  | 0.097 ug/L # | 1      |
| 13) Acetone                 | 2.22 | 43 | 1421 | 1.694 ug/L   | 85     |
| 29) 1,1,1-Trichloroethane   | 4.66 | 97 | 1394 | 0.154 ug/L # | 80     |
| 34) Trichloroethene         | 5.97 | 95 | 4023 | 0.671 ug/L   | 92     |
| 35) Methylcyclohexane       | 6.12 | 83 | 7924 | 0.946 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 3493 | 0.630 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.04 | 75 | 747  | 0.105 ug/L # | 52     |
| 48) 2-Hexanone              | 8.19 | 43 | 5294 | 2.483 ug/L # | 78     |

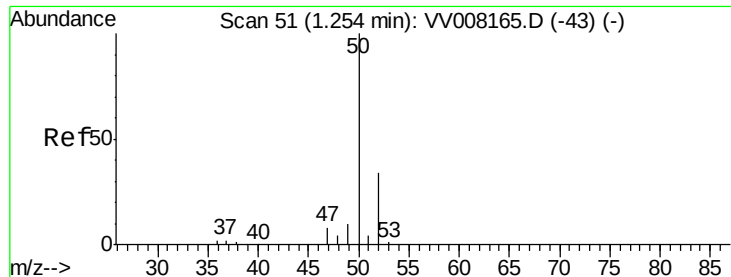
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.156 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008173.D

Acq: 09 Oct 2018 00:46

Instrument :

MSVOA\_V

ClientSampleId :

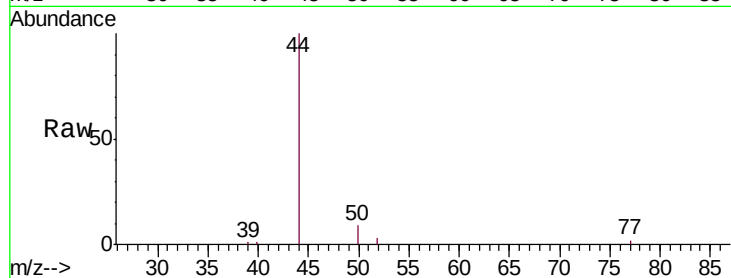
BEYJ4

Tgt Ion: 50 Resp: 745

Ion Ratio Lower Upper

50 100

52 29.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV008165.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008173.D (-66) (-)

1.25

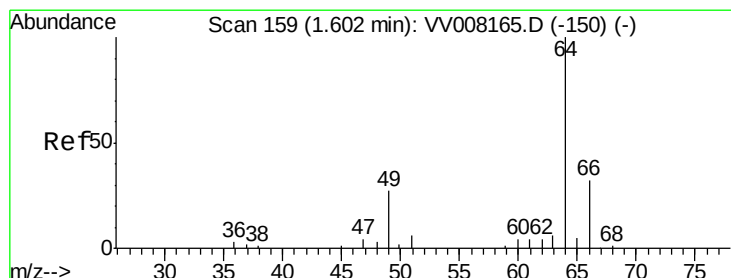
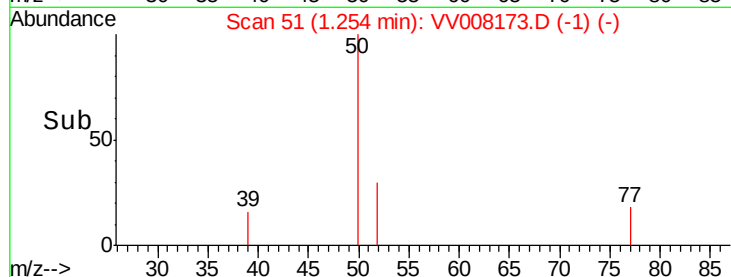
600

400

200

0

Time-->



#8

Chloroethane

Concen: 0.097 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV008173.D

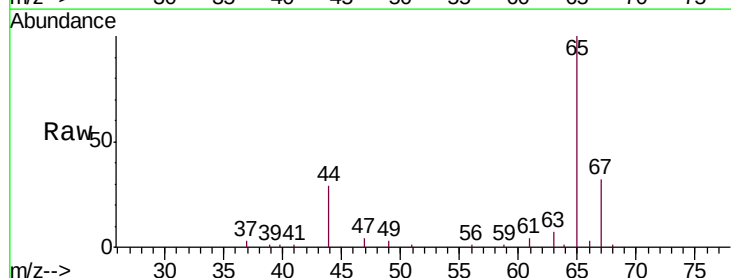
Acq: 09 Oct 2018 00:46

Tgt Ion: 64 Resp: 346

Ion Ratio Lower Upper

64 100

66 258.3 24.1 44.8#



Abundance Ion 64.10 (63.80 to 64.80): VV008165.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008173.D (-66) (-)

1.32

800

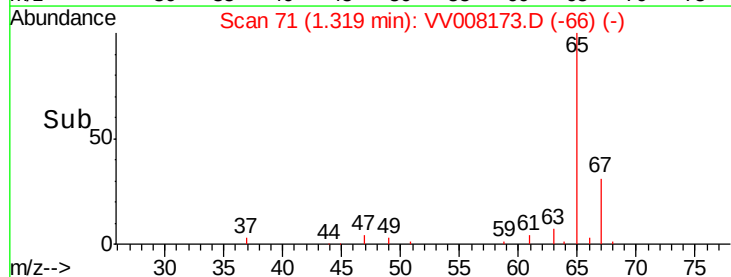
600

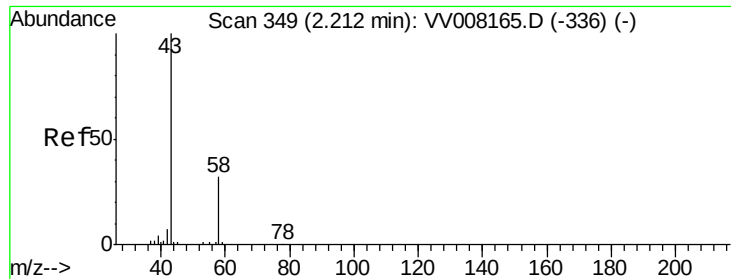
400

200

0

Time-->





#13

Acetone

Concen: 1.694 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV008173.D

Acq: 09 Oct 2018 00:46

Instrument :

MSVOA\_V

ClientSampled :

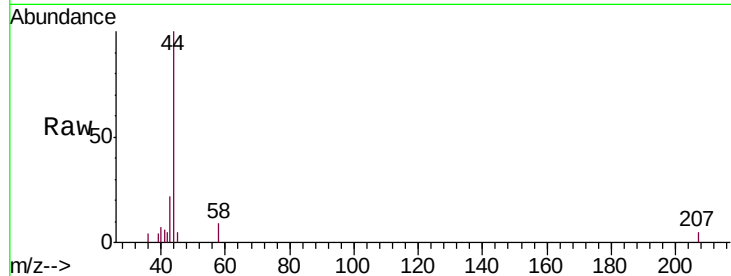
BEYJ4

Tgt Ion: 43 Resp: 1421

Ion Ratio Lower Upper

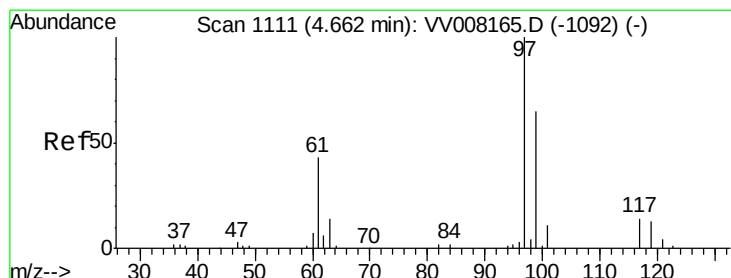
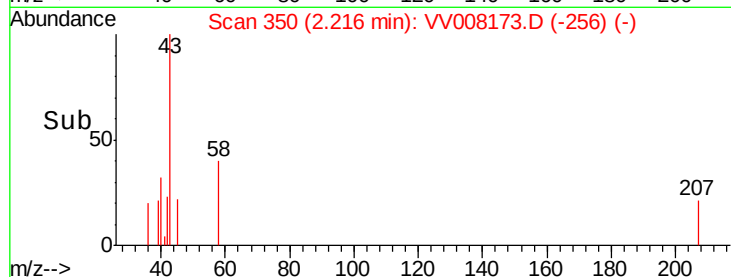
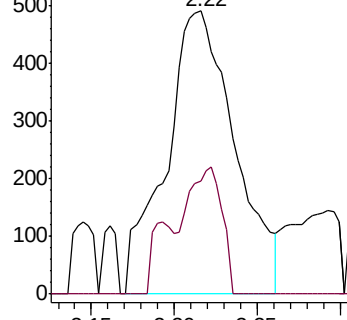
43 100

58 23.1 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008165.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008165.D (-336) (-)



#29

1,1,1-Trichloroethane

Concen: 0.154 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008173.D

Acq: 09 Oct 2018 00:46

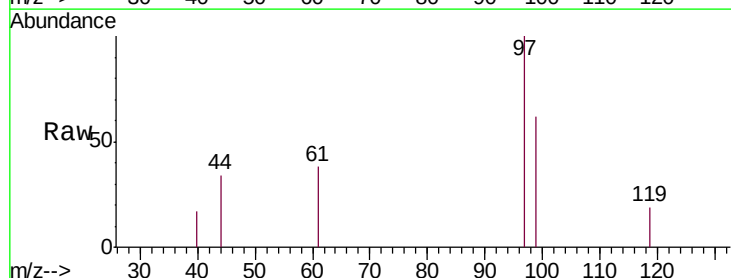
Tgt Ion: 97 Resp: 1394

Ion Ratio Lower Upper

97 100

99 50.1 51.0 76.4#

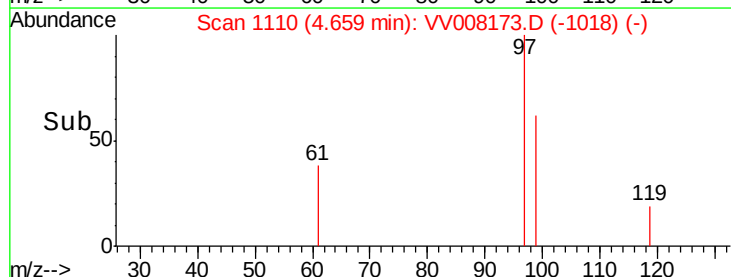
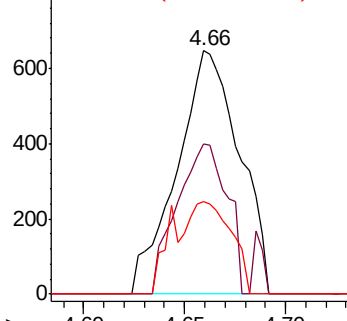
61 27.0 34.0 51.0#

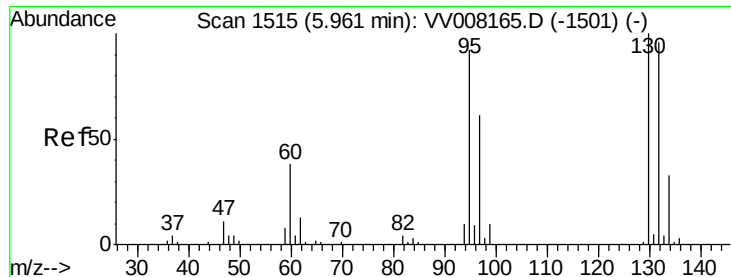


Abundance Ion 96.95 (96.65 to 97.65): VV008165.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV008165.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV008165.D (-1092) (-)

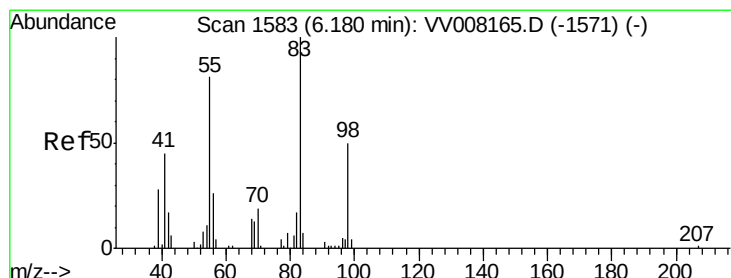
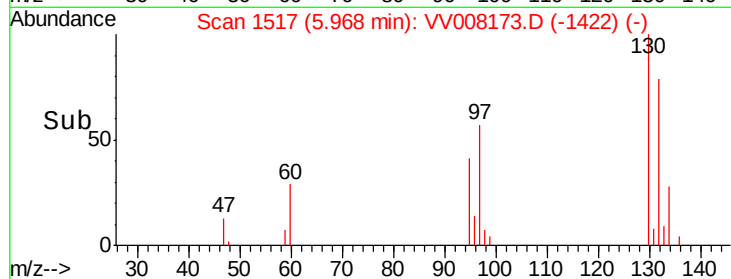
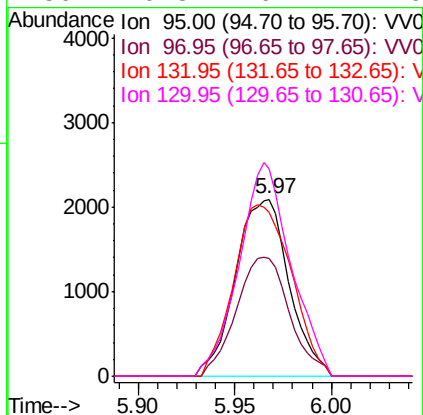
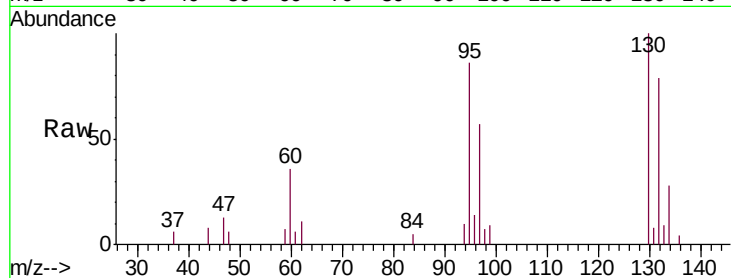




#34  
 Trichloroethene  
 Concen: 0.671 ug/L  
 RT: 5.97 min Scan# 1517  
 Delta R.T. 0.01 min  
 Lab File: VV008173.D  
 Acq: 09 Oct 2018 00:46

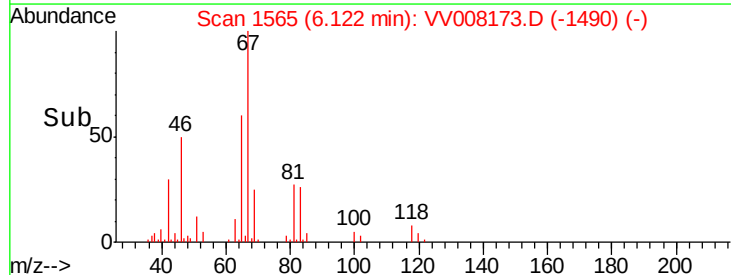
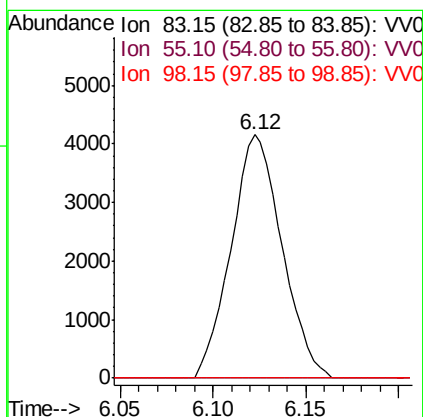
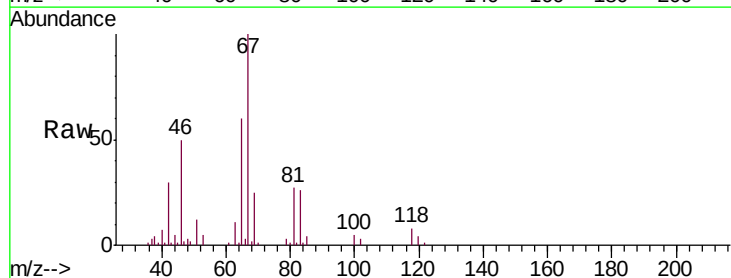
Instrument :  
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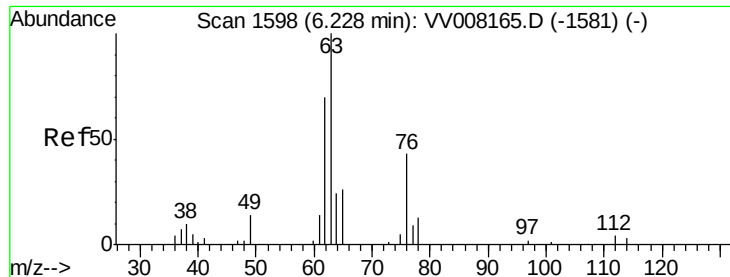
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 4023  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 66.5  | 44.9  | 83.5  |
| 132      | 92.2  | 73.6  | 136.6 |
| 130      | 116.8 | 76.2  | 141.6 |



#35  
 Methylcyclohexane  
 Concen: 0.946 ug/L  
 RT: 6.12 min Scan# 1565  
 Delta R.T. -0.06 min  
 Lab File: VV008173.D  
 Acq: 09 Oct 2018 00:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 7924  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 63.6  | 95.4# |
| 98       | 2.6   | 38.3  | 57.5# |

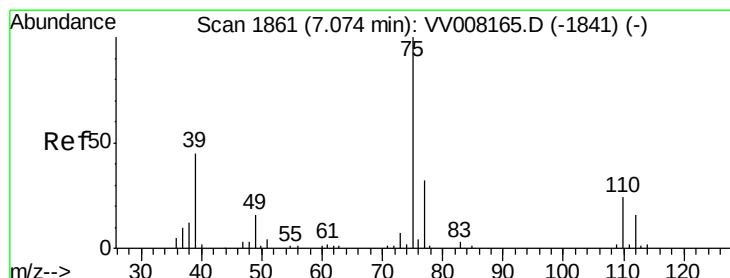
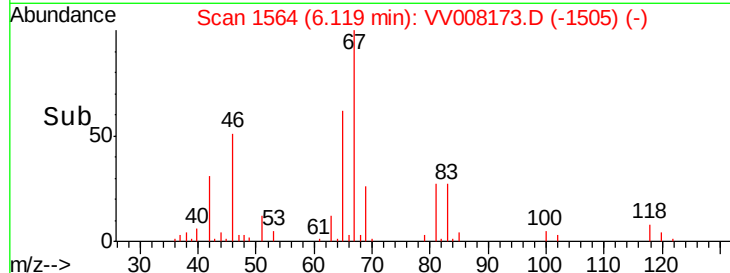
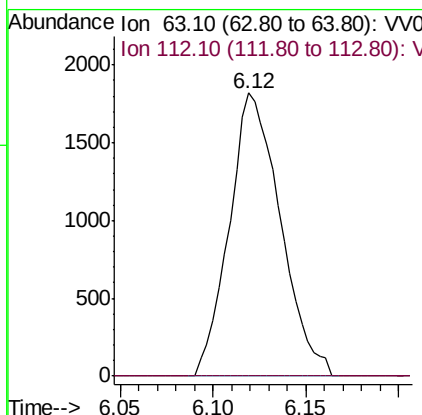
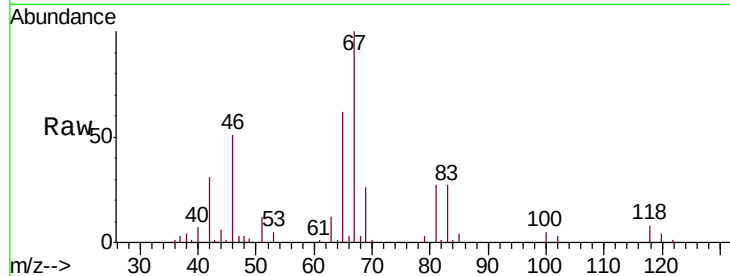




#37  
 1,2-Dichloropropane  
 Concen: 0.630 ug/L  
 RT: 6.12 min Scan# 1564  
 Delta R.T. -0.11 min  
 Lab File: VV008173.D  
 Acq: 09 Oct 2018 00:46

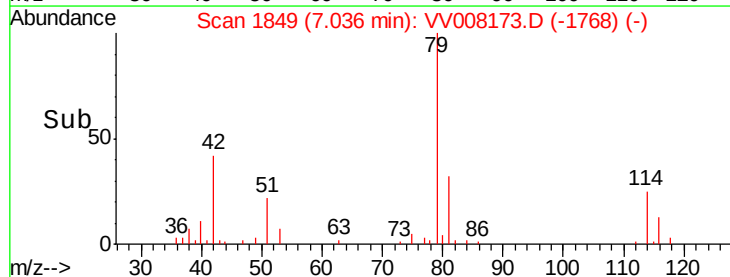
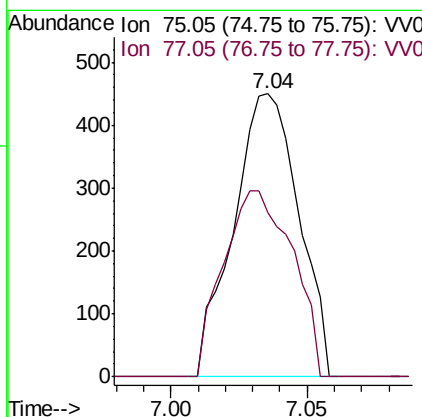
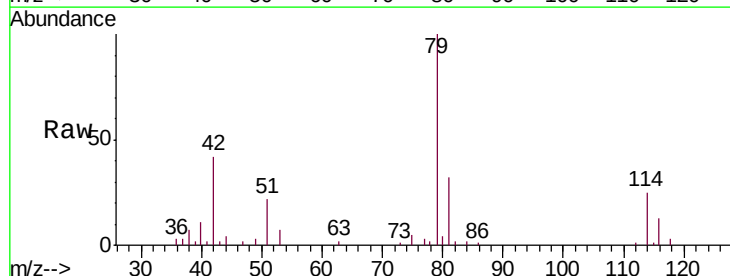
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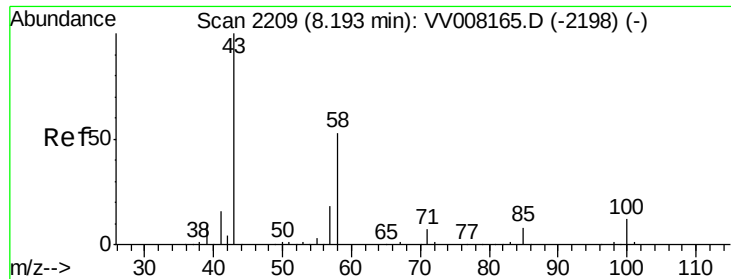
Tgt Ion: 63 Resp: 3493  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.105 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV008173.D  
 Acq: 09 Oct 2018 00:46

Tgt Ion: 75 Resp: 747  
 Ion Ratio Lower Upper  
 75 100  
 77 58.2 22.1 41.1#





#48  
 2-Hexanone  
 Concen: 2.483 ug/L  
 RT: 8.19 min Scan# 2209  
 Delta R.T. 0.00 min  
 Lab File: VV008173.D  
 Acq: 09 Oct 2018 00:46

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEYJ4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5294  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.0  | 40.5  | 60.7# |
| 57       | 0.0   | 14.6  | 22.0# |
| 100      | 4.7   | 9.3   | 13.9# |

