

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\  
 Data File : VV008306.D  
 Acq On : 16 Oct 2018 19:13  
 Operator : SY/MD  
 Sample : J5407-03  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CWJS5

Quant Time: Oct 17 02:33:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 17 02:28:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 89769    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 79123    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 31274    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 25413    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.20% |
| 7) Chloroethane-d5             | 1.59   | 69    | 17160    | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 37798    | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 84333    | 49.56    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.12%  |
| 24) Chloroform-d               | 4.41   | 84    | 50391    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26802    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 109663   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 37859    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 96192    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 13425    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 50098    | 45.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21795    | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 85.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 28286    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.40%  |

## Target Compounds

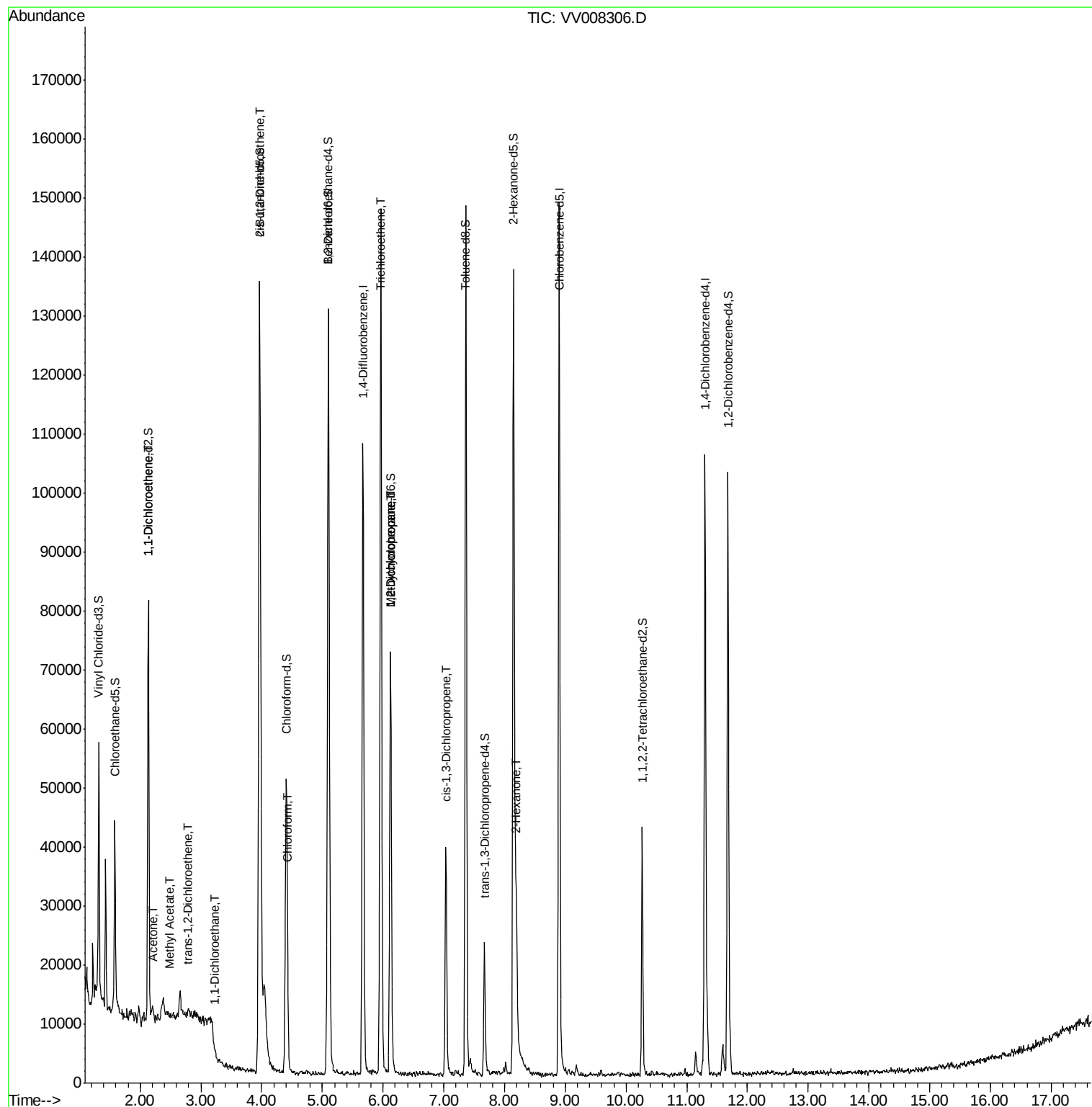
|                              |      |    |       |              | Ovalue |
|------------------------------|------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene       | 2.14 | 96 | 1060  | 0.246 ug/L # | 1      |
| 13) Acetone                  | 2.22 | 43 | 1571  | 1.706 ug/L   | 99     |
| 15) Methyl Acetate           | 2.48 | 43 | 530   | 0.231 ug/L # | 50     |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 718   | 0.155 ug/L   | 88     |
| 19) 1,1-Dichloroethane       | 3.23 | 63 | 866   | 0.090 ug/L # | 85     |
| 22) cis-1,2-Dichloroethene   | 3.97 | 96 | 51040 | 6.814 ug/L # | 96     |
| 25) Chloroform               | 4.43 | 83 | 1250  | 0.106 ug/L   | 95     |
| 34) Trichloroethene          | 5.96 | 95 | 50911 | 6.890 ug/L   | 98     |
| 35) Methylcyclohexane        | 6.12 | 83 | 8226  | 0.660 ug/L # | 20     |
| 37) 1,2-Dichloropropane      | 6.12 | 63 | 3962  | 0.551 ug/L # | 90     |
| 39) cis-1,3-Dichloropropene  | 7.04 | 75 | 1045  | 0.102 ug/L # | 38     |
| 48) 2-Hexanone               | 8.20 | 43 | 16706 | 5.188 ug/L # | 81     |

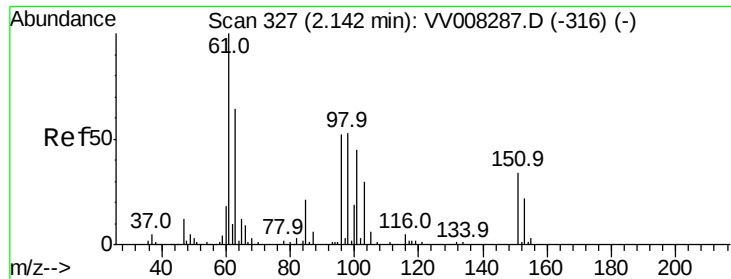
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
CWJS5

Quant Time: Oct 17 02:33:20 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 17 02:28:08 2018  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.246 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008306.D

Acq: 16 Oct 2018 19:13

Instrument :

MSVOA\_V

ClientSampled :

CWJS5

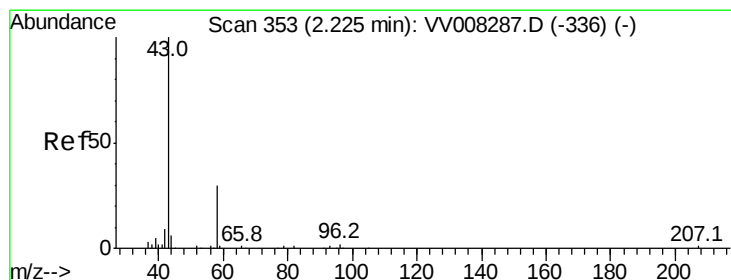
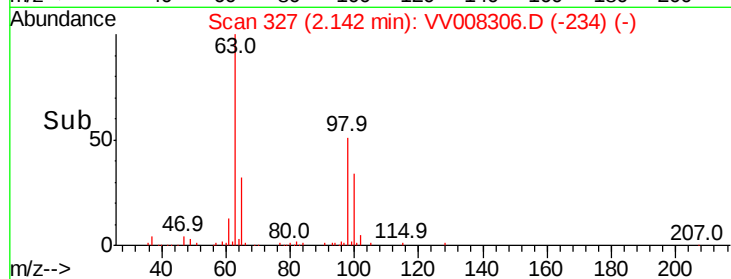
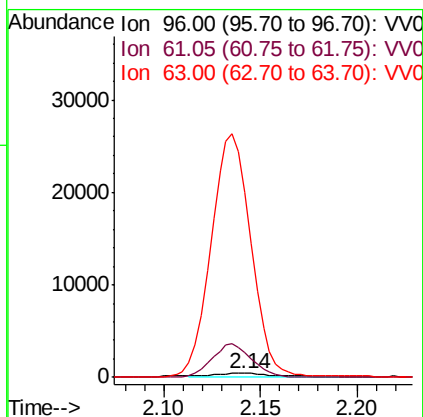
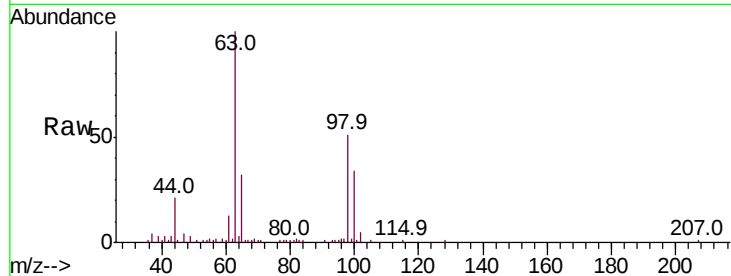
Tot Ion: 96 Resp: 1060

Ion Ratio Lower Upper

96 100

61 594.4 129.9 241.3#

63 4470.0 103.0 191.4#



#13

Acetone

Concen: 1.706 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV008306.D

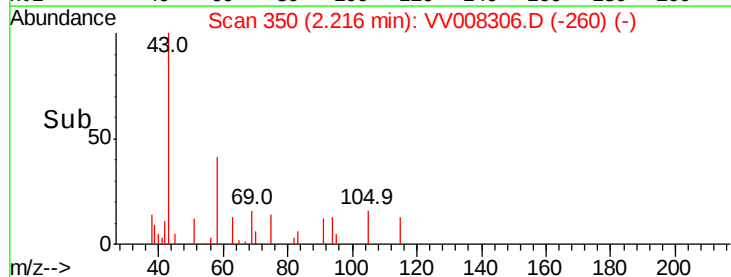
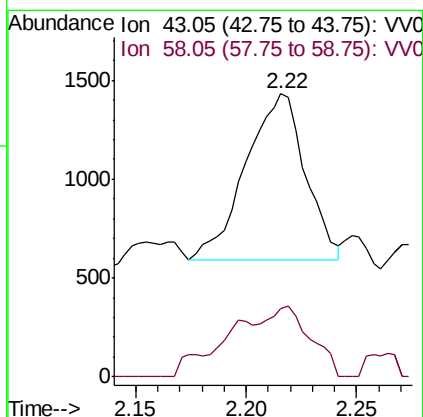
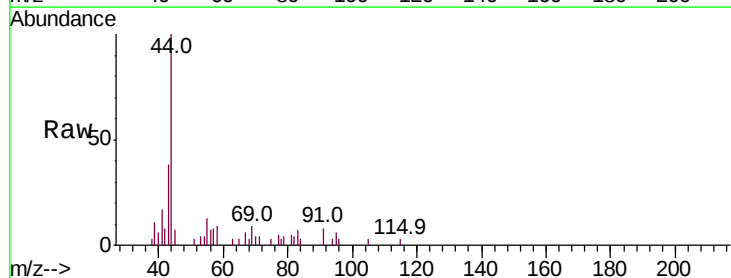
Acq: 16 Oct 2018 19:13

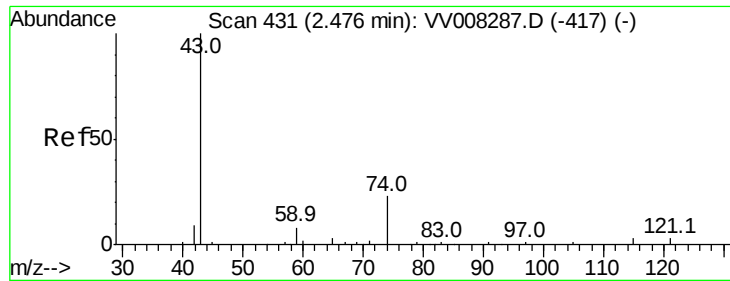
Tgt Ion: 43 Resp: 1571

Ion Ratio Lower Upper

43 100

58 30.3 0.0 62.0

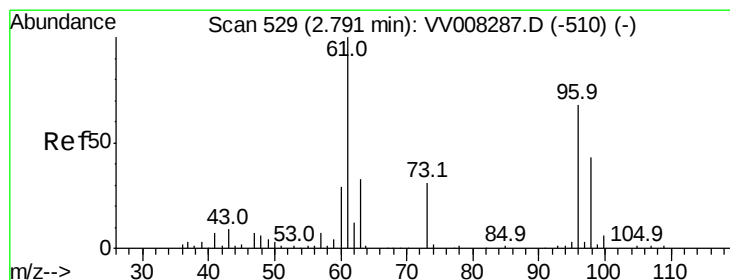
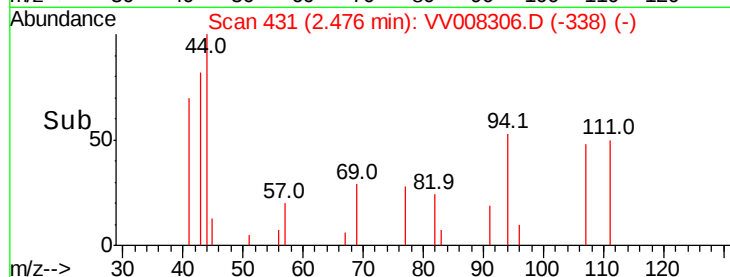
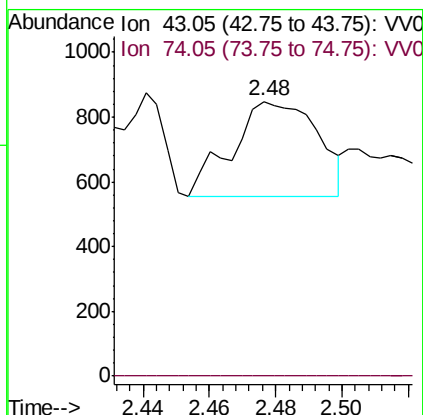
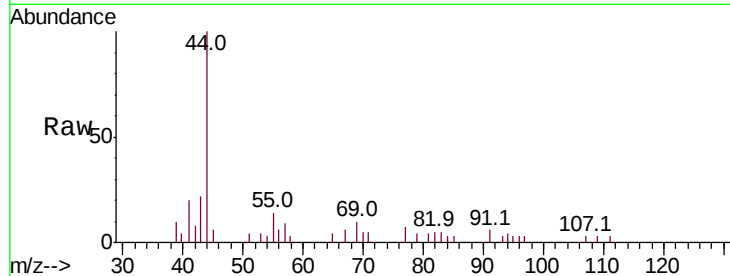




#15  
Methyl Acetate  
Concen: 0.231 ug/L  
RT: 2.48 min Scan# 431  
Delta R.T. 0.00 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

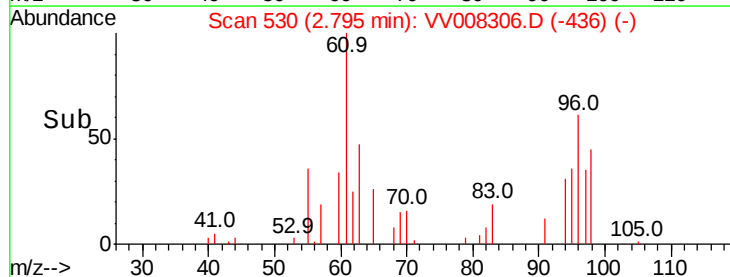
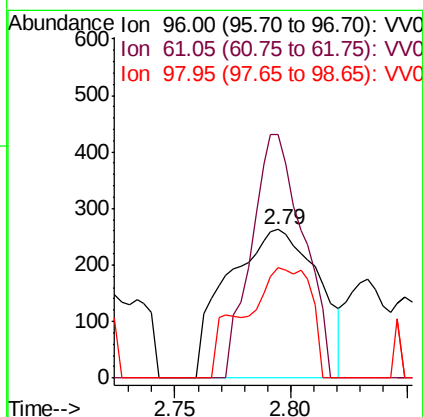
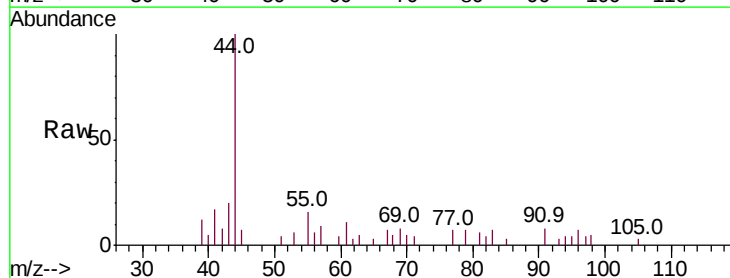
Instrument :  
MSVOA\_V  
ClientSampled :  
CWJS5

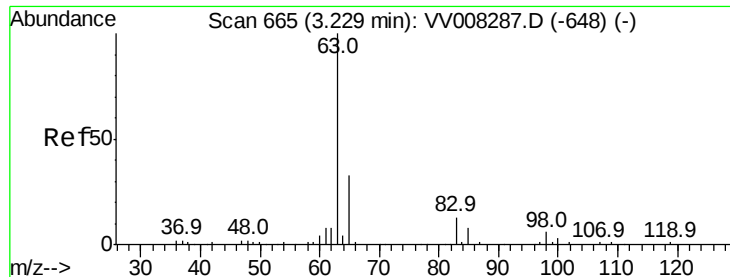
Tot Ion: 43 Resp: 530  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.0 30.0#



#18  
trans-1,2-Dichloroethene  
Concen: 0.155 ug/L  
RT: 2.79 min Scan# 530  
Delta R.T. 0.00 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

Tgt Ion: 96 Resp: 718  
Ion Ratio Lower Upper  
96 100  
61 163.9 104.6 194.2  
98 74.1 44.1 81.9





#19

1,1-Dichloroethane

Concen: 0.090 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008306.D

Acq: 16 Oct 2018 19:13

Instrument :

MSVOA\_V

ClientSampled :

CWJS5

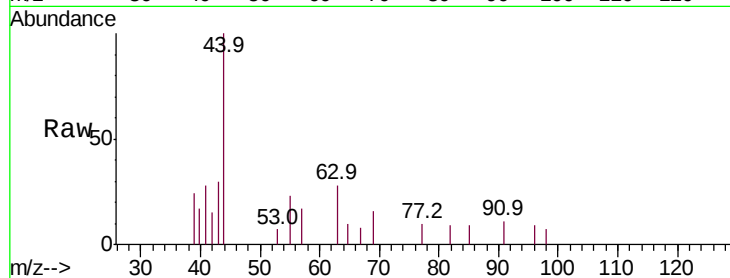
Tot Ion: 63 Resp: 866

Ion Ratio Lower Upper

63 100

65 34.5 22.6 42.0

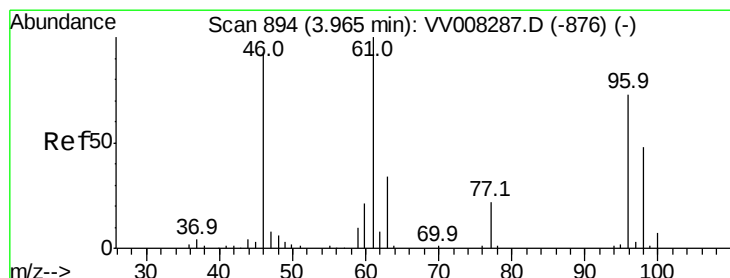
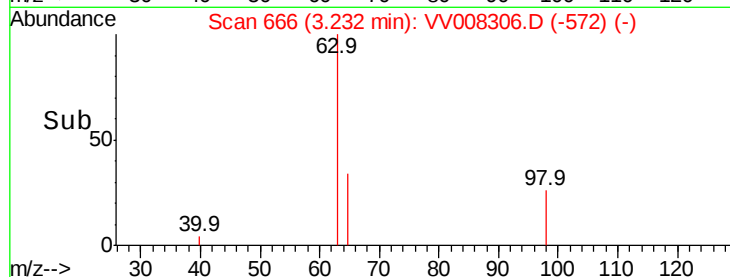
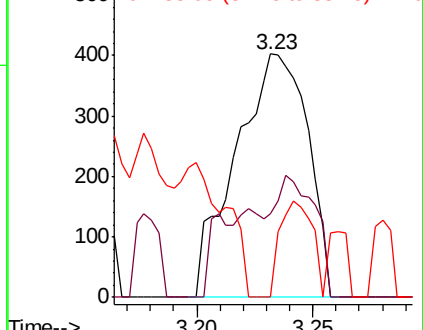
83 0.0 11.0 20.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 6.814 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008306.D

Acq: 16 Oct 2018 19:13

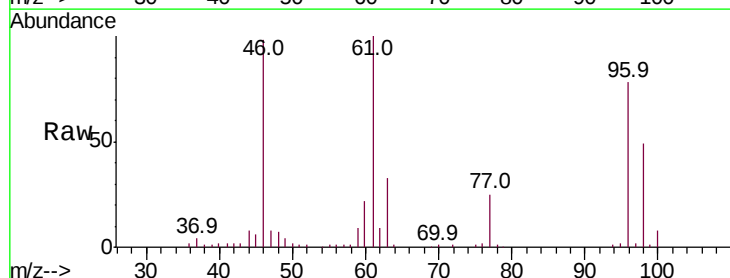
Tgt Ion: 96 Resp: 51040

Ion Ratio Lower Upper

96 100

61 129.0 93.7 174.1

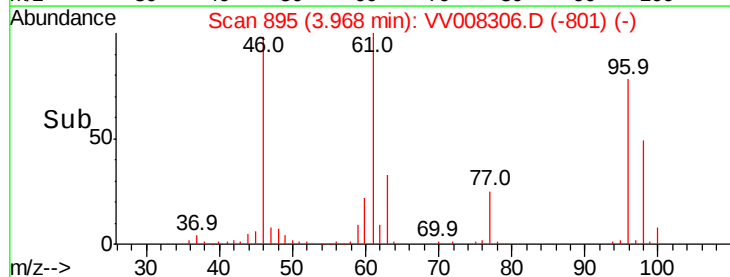
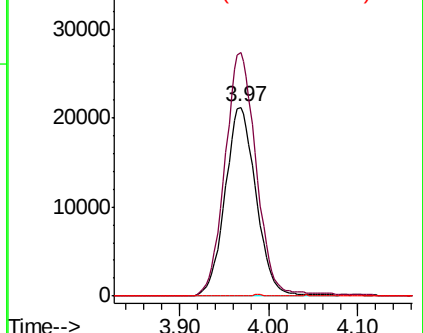
68 0.0 0.6 1.2#

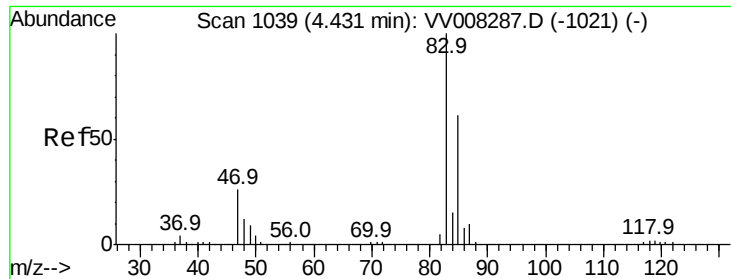


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

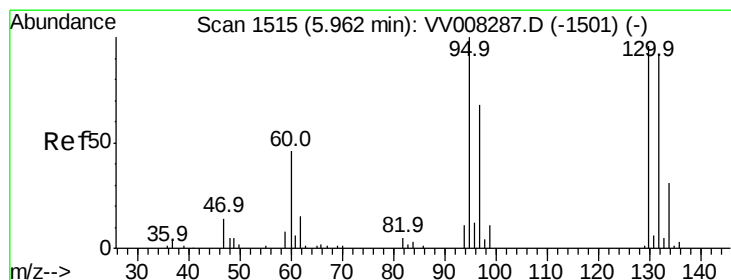
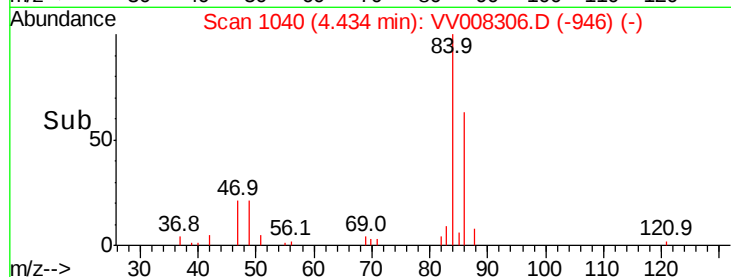
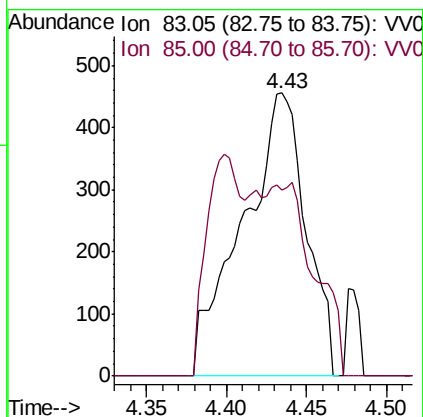
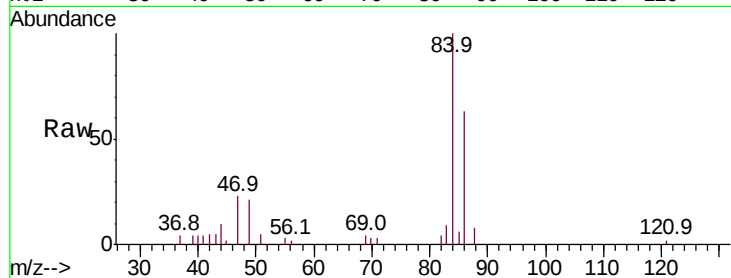




#25  
Chloroform  
Concen: 0.106 ug/L  
RT: 4.43 min Scan# 1040  
Delta R.T. 0.00 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

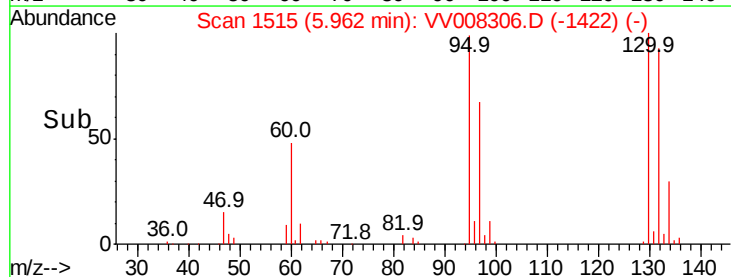
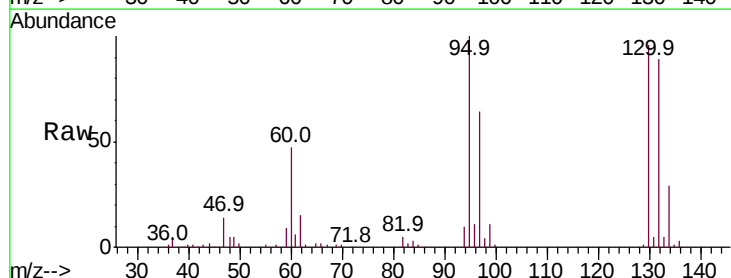
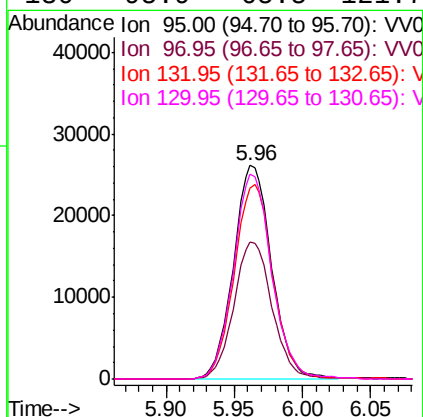
Instrument :  
MSVOA\_V  
ClientSampled :  
CWJS5

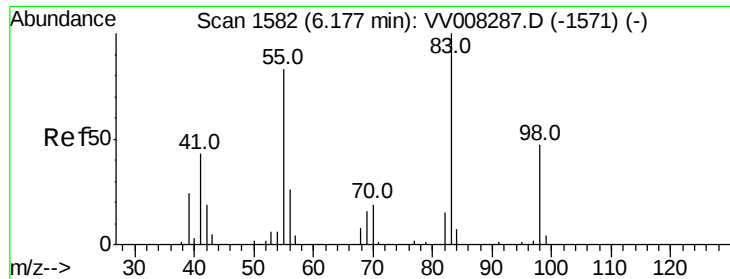
Tot Ion: 83 Resp: 1250  
Ion Ratio Lower Upper  
83 100  
85 65.8 43.4 80.6



#34  
Trichloroethene  
Concen: 6.890 ug/L  
RT: 5.96 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

Tgt Ion: 95 Resp: 50911  
Ion Ratio Lower Upper  
95 100  
97 64.3 44.4 82.4  
132 89.3 60.4 112.2  
130 95.9 65.5 121.7

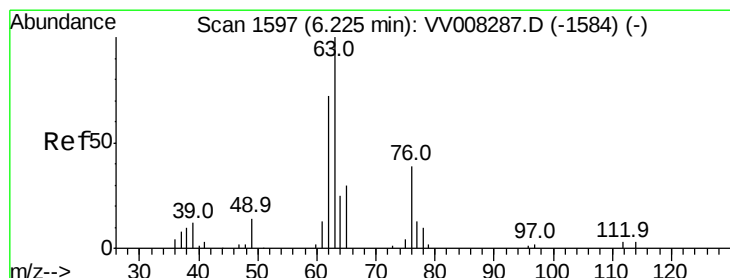
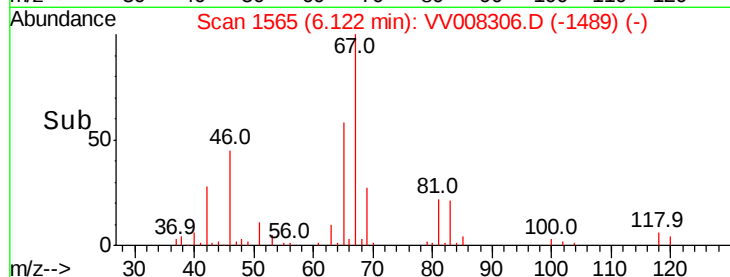
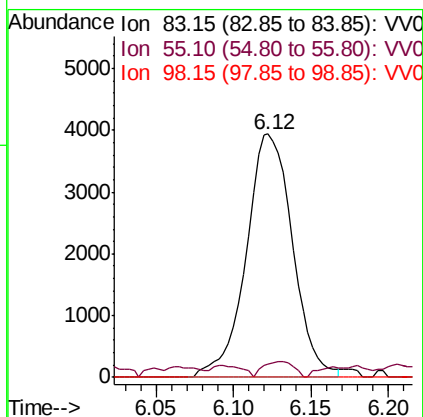
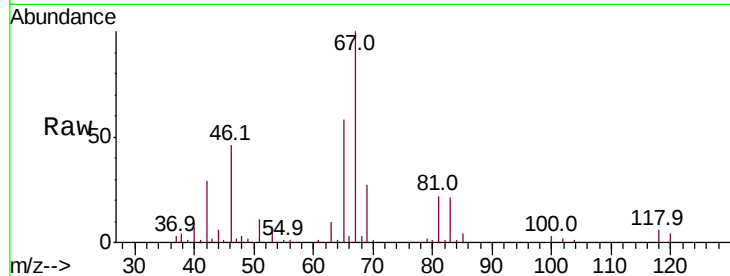




#35  
Methvlcvclohexane  
Concen: 0.660 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.05 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

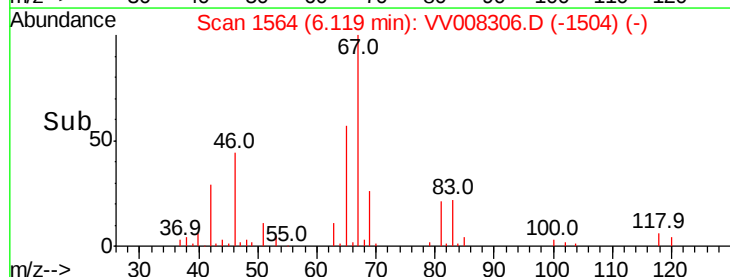
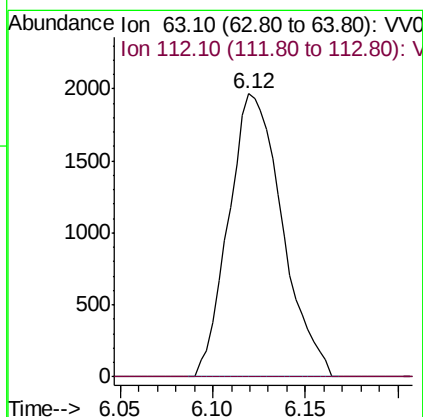
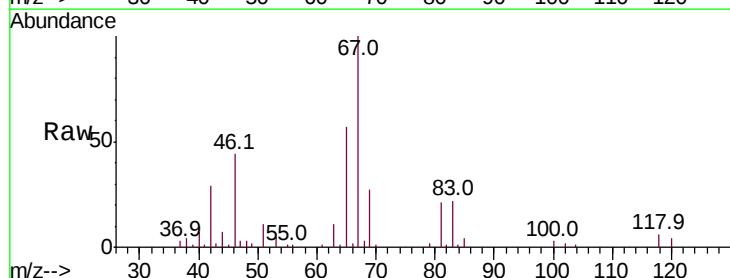
Instrument :  
MSVOA\_V  
ClientSampled :  
CWJS5

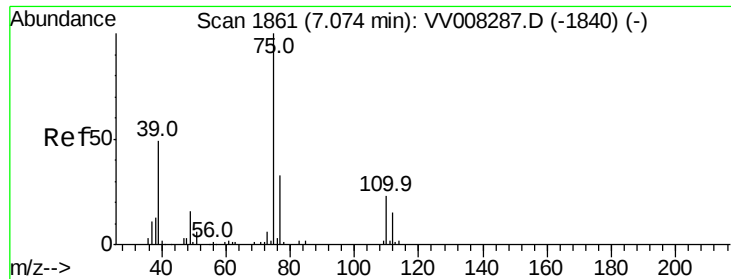
Tot Ion: 83 Resp: 8226  
Ion Ratio Lower Upper  
83 100  
55 4.3 64.0 96.0#  
98 0.0 37.0 55.4#



#37  
1,2-Dichloropropane  
Concen: 0.551 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.11 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

Tgt Ion: 63 Resp: 3962  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.6 3.8#

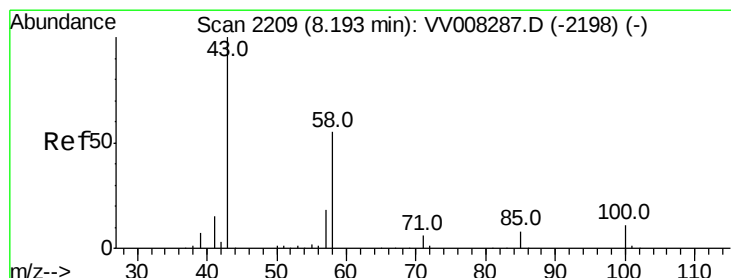
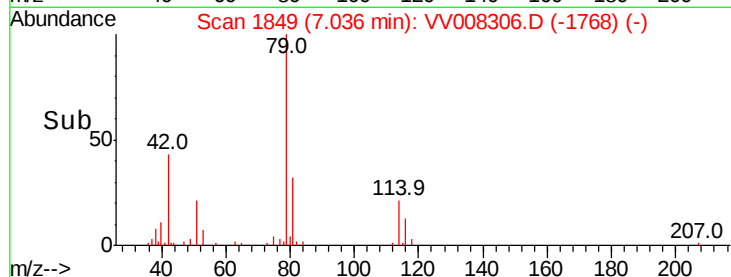
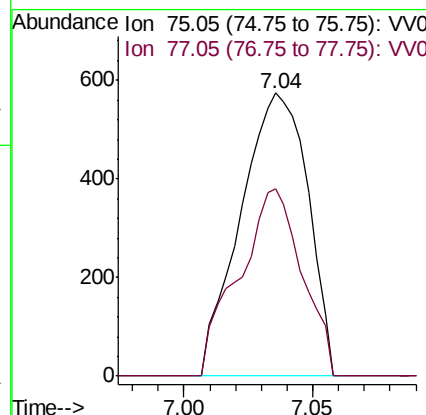
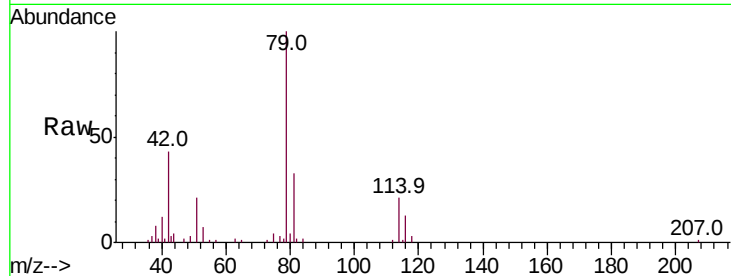




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.102 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV008306.D  
 Acq: 16 Oct 2018 19:13

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CWJS5

Tot Ion: 75 Resp: 1045  
 Ion Ratio Lower Upper  
 75 100  
 77 66.2 22.3 41.3#



#48  
 2-Hexanone  
 Concen: 5.188 ug/L  
 RT: 8.20 min Scan# 2210  
 Delta R.T. 0.00 min  
 Lab File: VV008306.D  
 Acq: 16 Oct 2018 19:13

Tgt Ion: 43 Resp: 16706  
 Ion Ratio Lower Upper  
 43 100  
 58 38.3 45.0 67.4#  
 57 14.6 14.4 21.6  
 100 6.8 7.9 11.9#

