

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\  
 Data File : VV006789.D  
 Acq On : 31 Jul 2018 16:45  
 Operator : SY/MD  
 Sample : J4225-20  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESWP8

Quant Time: Aug 01 22:58:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072318WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 01 01:43:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 201391   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 186051   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 79221    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 47993    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 43242    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 68586    | 3.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.80%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 180248   | 55.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 110.08% |
| 24) Chloroform-d               | 4.41   | 84    | 104510   | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.20% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 53298    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 204383   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 70382    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 109.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 165007   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 21459    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.80% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 134730   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.94% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 54961    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 65198    | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.40% |

## Target Compounds

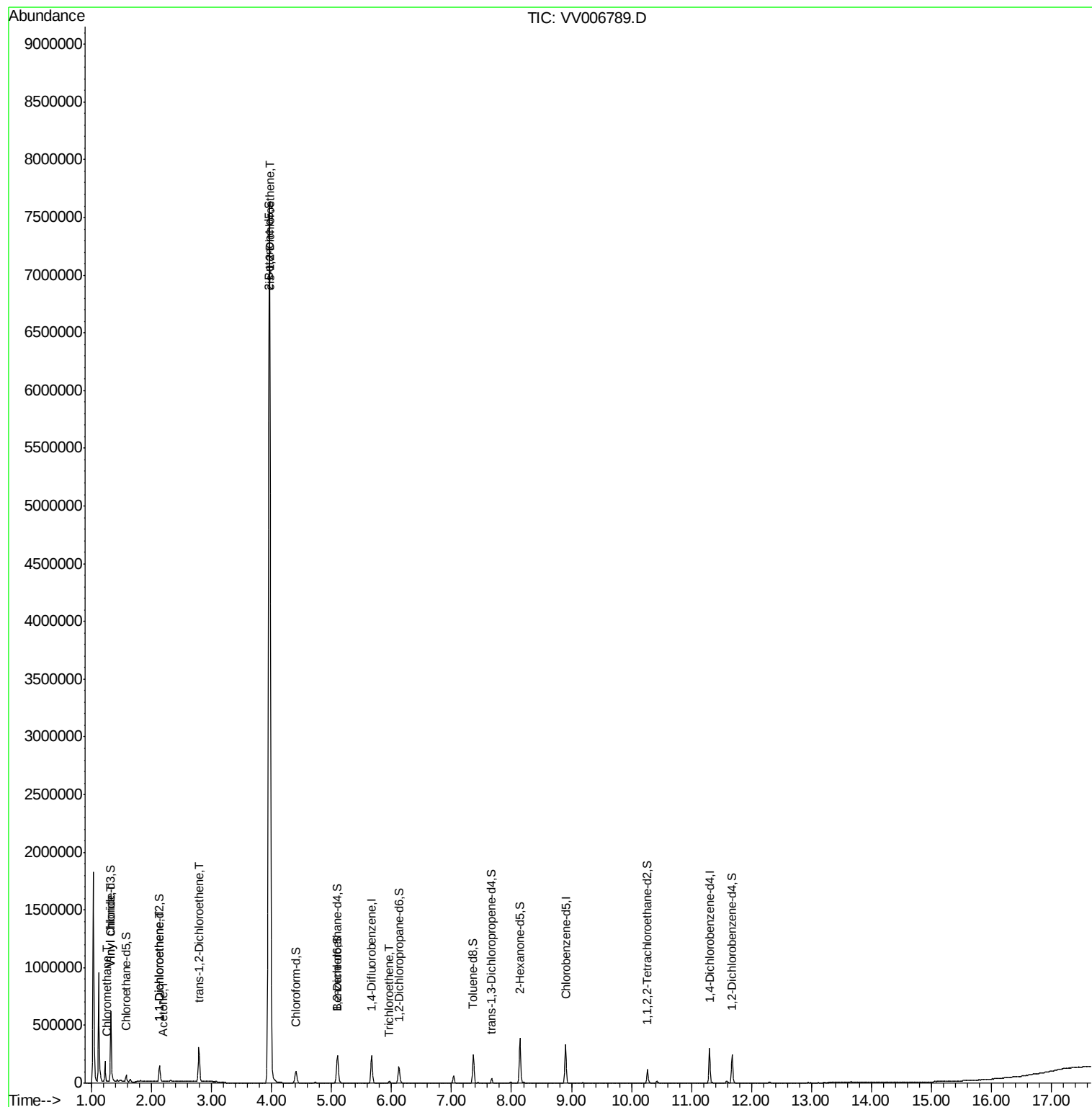
|                              |      |    |         |        |        | Ovalue |
|------------------------------|------|----|---------|--------|--------|--------|
| 3) Chloromethane             | 1.25 | 50 | 7522    | 0.49   | ug/L   | 98     |
| 5) Vinyl chloride            | 1.32 | 62 | 305735  | 15.86  | ug/L   | 91     |
| 12) 1,1-Dichloroethene       | 2.14 | 96 | 9930    | 0.75   | ug/L # | 1      |
| 13) Acetone                  | 2.19 | 43 | 2765    | 1.33   | ug/L   | 95     |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 108765  | 7.59   | ug/L   | 100    |
| 22) cis-1,2-Dichloroethene   | 3.97 | 96 | 4288246 | 286.99 | ug/L   | 98     |
| 34) Trichloroethene          | 5.96 | 95 | 3998    | 0.28   | ug/L   | 88     |

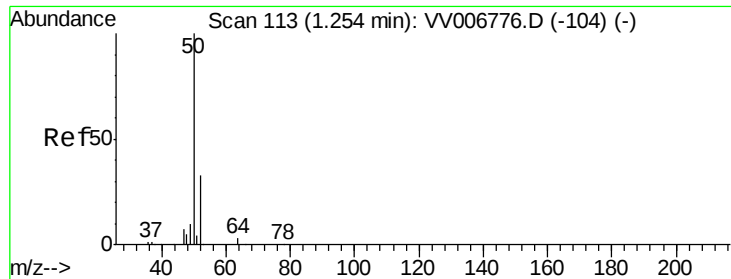
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV073118\  
Data File : VV006789.D  
Acq On : 31 Jul 2018 16:45  
Operator : SY/MD  
Sample : J4225-20  
Misc : 25 mL/MSVOA V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ESWP8

Quant Time: Aug 01 22:58:22 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072318WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Aug 01 01:43:21 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.49 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006789.D

Acq: 31 Jul 2018 16:45

Instrument :

MSVOA\_V

ClientSampleId :

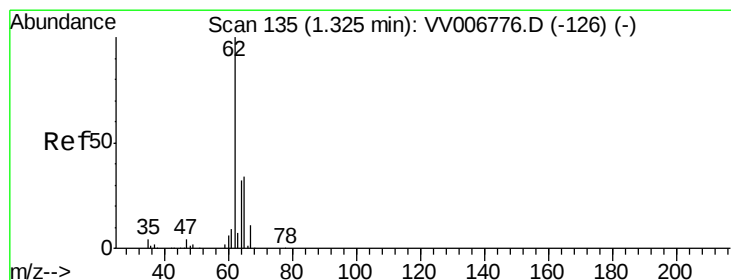
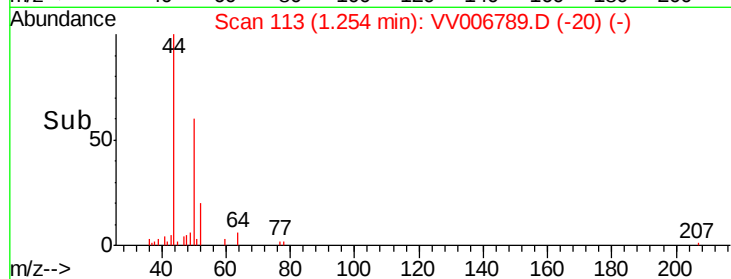
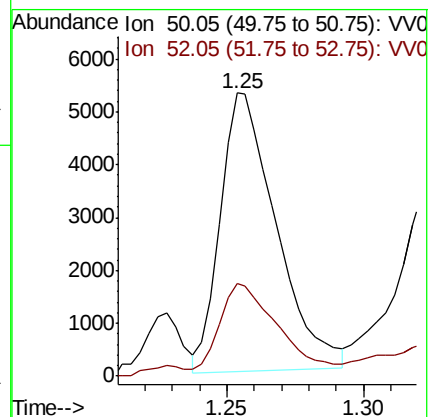
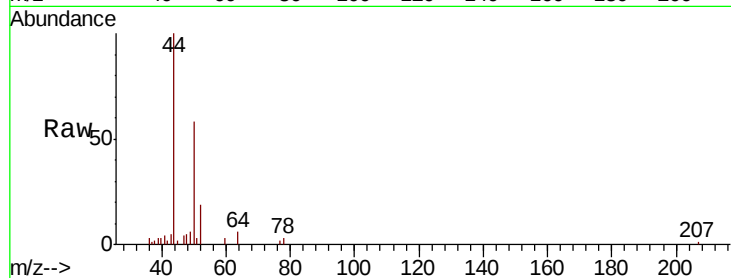
ESWP8

Tot Ion: 50 Resp: 7522

Ion Ratio Lower Upper

50 100

52 32.8 22.1 41.1



#5

Vinyl chloride

Concen: 15.86 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006789.D

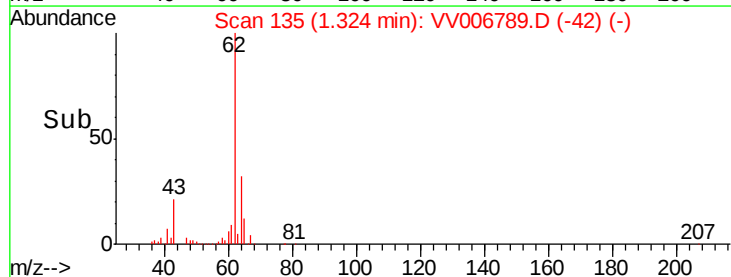
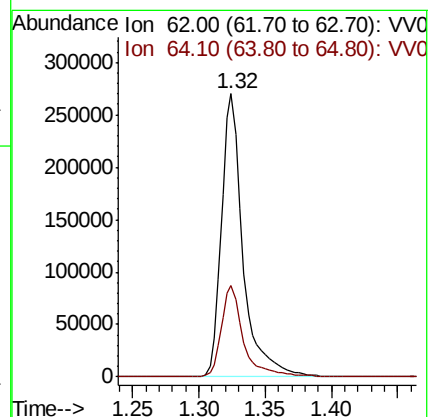
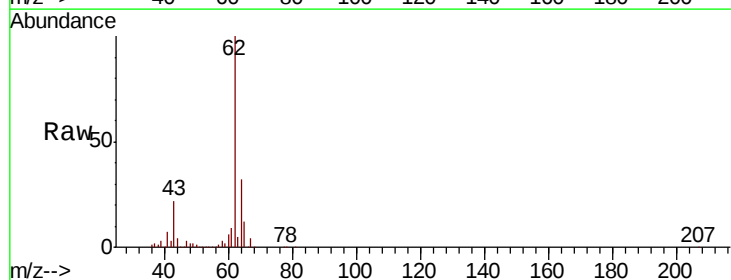
Acq: 31 Jul 2018 16:45

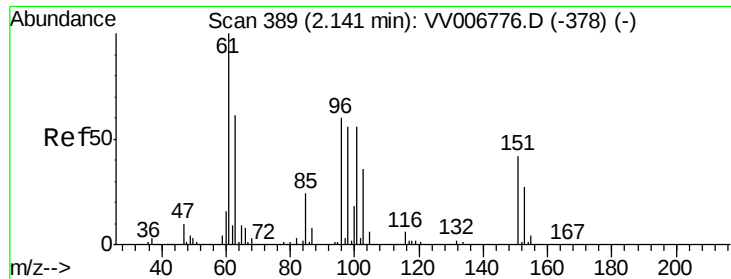
Tgt Ion: 62 Resp: 305735

Ion Ratio Lower Upper

62 100

64 32.3 26.5 49.3

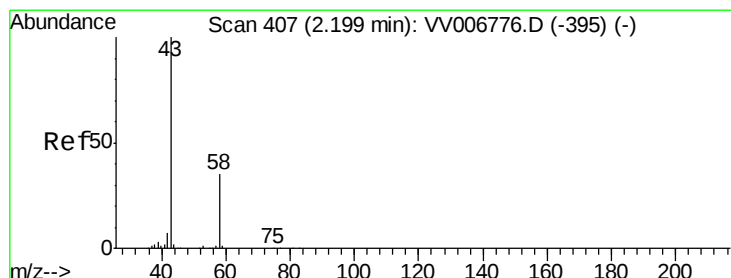
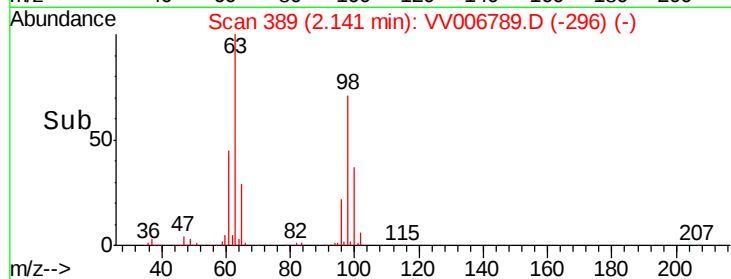
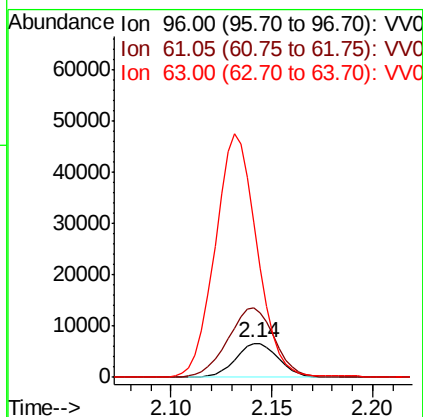
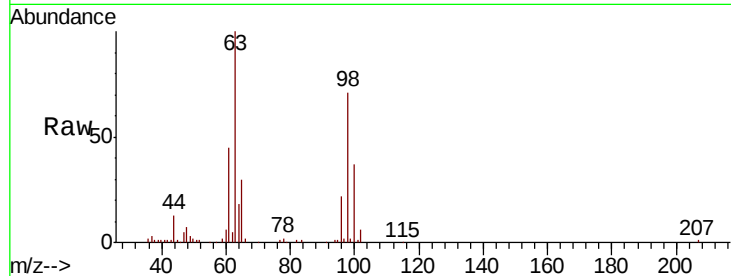




#12  
 1,1-Dichloroethene  
 Concen: 0.75 ug/L  
 RT: 2.14 min Scan# 389  
 Delta R.T. -0.00 min  
 Lab File: VV006789.D  
 Acq: 31 Jul 2018 16:45

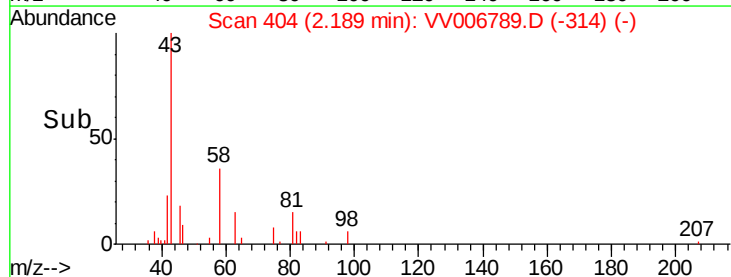
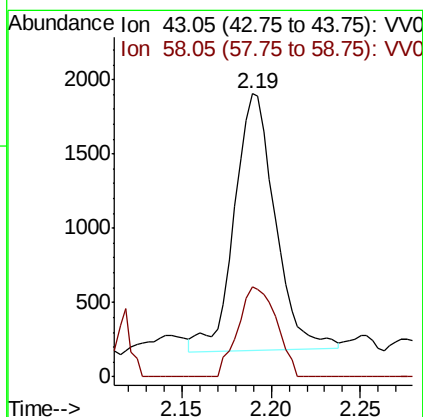
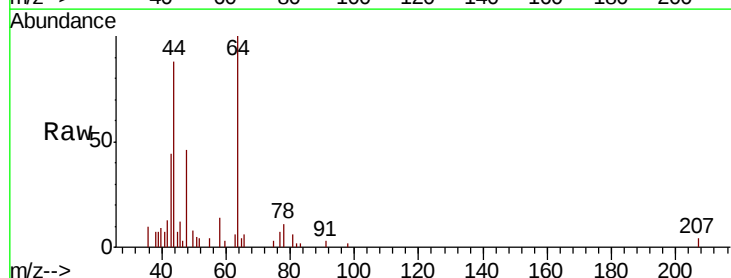
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 ESWP8

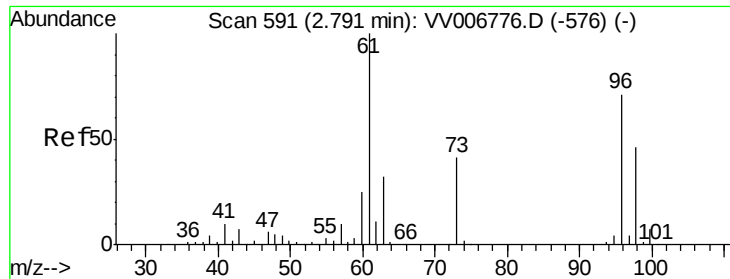
Tot Ion: 96 Resp: 9930  
 Ion Ratio Lower Upper  
 96 100  
 61 205.2 113.5 210.9  
 63 456.9 69.5 129.1#



#13  
 Acetone  
 Concen: 1.33 ug/L  
 RT: 2.19 min Scan# 404  
 Delta R.T. -0.01 min  
 Lab File: VV006789.D  
 Acq: 31 Jul 2018 16:45

Tgt Ion: 43 Resp: 2765  
 Ion Ratio Lower Upper  
 43 100  
 58 32.9 0.0 71.4

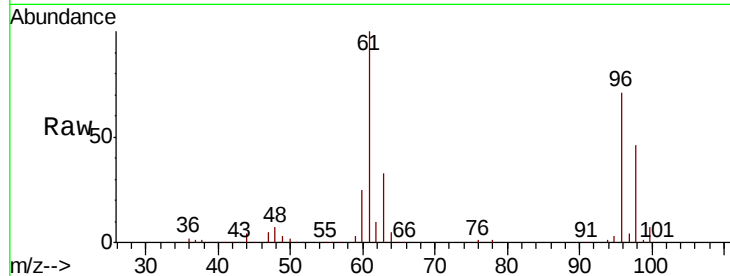




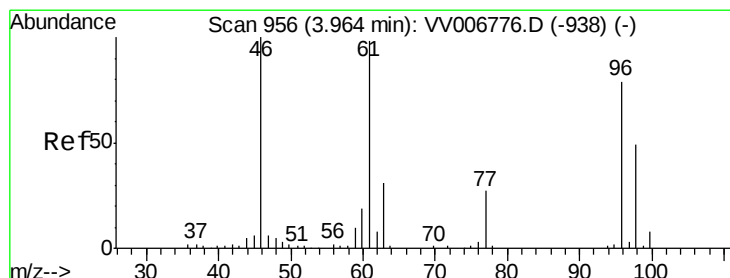
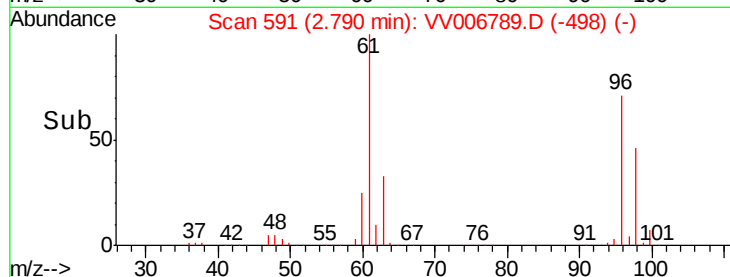
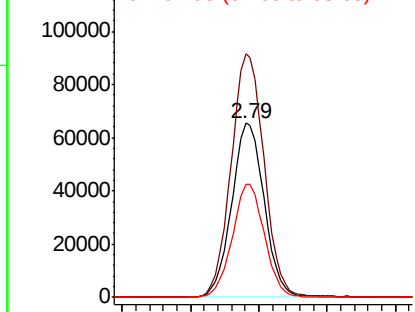
#18  
trans-1,2-Dichloroethene  
Concen: 7.59 ug/L  
RT: 2.79 min Scan# 591  
Delta R.T. -0.00 min  
Lab File: VV006789.D  
Acq: 31 Jul 2018 16:45

Instrument :  
MSVOA\_V  
ClientSampled :  
ESWP8

Tot Ion: 96 Resp: 108765  
Ion Ratio Lower Upper  
96 100  
61 140.0 98.5 182.9  
98 64.9 45.4 84.4

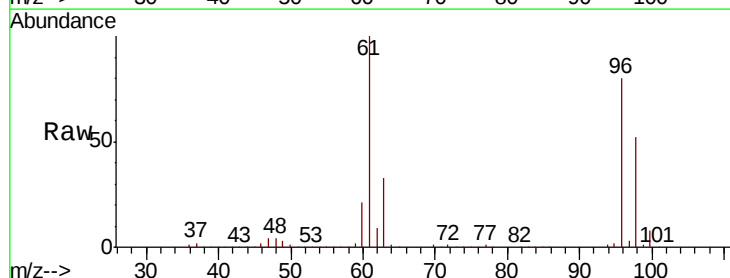


Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.05 (60.75 to 61.75): VV0  
Ion 97.95 (97.65 to 98.65): VV0

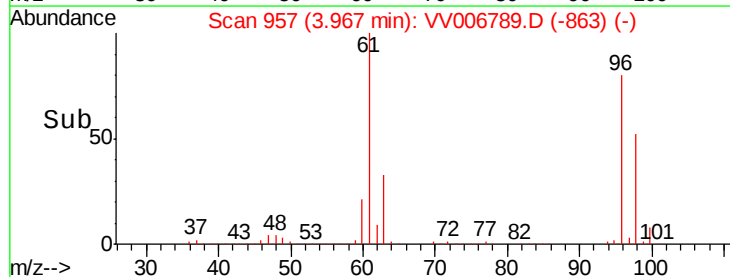
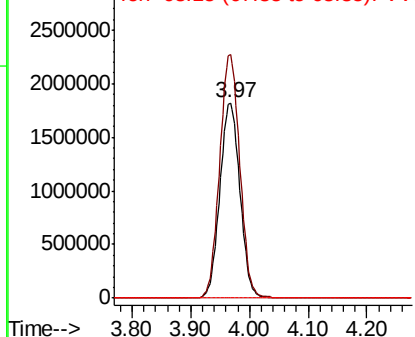


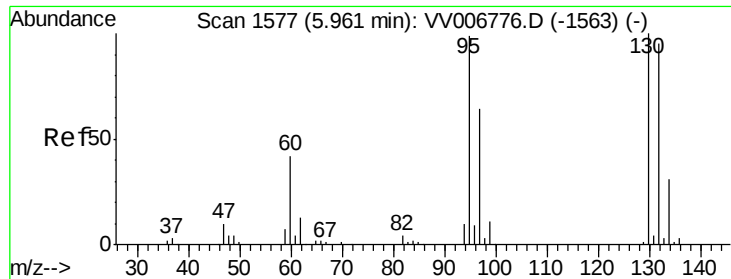
#22  
cis-1,2-Dichloroethene  
Concen: 286.99 ug/L  
RT: 3.97 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VV006789.D  
Acq: 31 Jul 2018 16:45

Tgt Ion: 96 Resp: 4288246  
Ion Ratio Lower Upper  
96 100  
61 124.5 85.5 158.9  
68 0.0 0.0 0.0



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





#34

Trichloroethene

Concen: 0.28 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006789.D

Acq: 31 Jul 2018 16:45

Instrument :

MSVOA\_V

ClientSampleId :

ESWP8

Tot Ion: 95 Resp: 3998

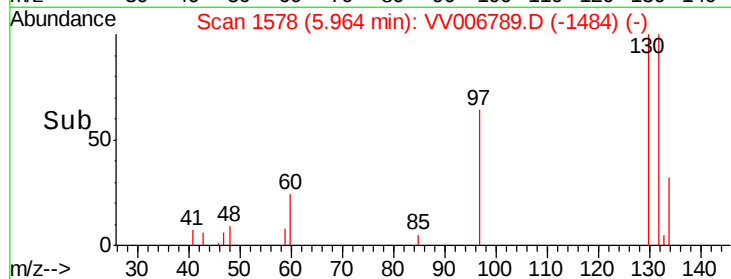
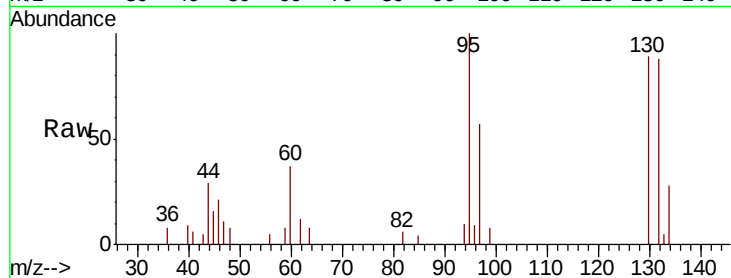
Ion Ratio Lower Upper

95 100

97 57.2 44.9 83.3

132 88.3 68.9 127.9

130 88.7 73.4 136.4



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): V

Ion 129.95 (129.65 to 130.65): V

