

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\  
 Data File : VV006811.D  
 Acq On : 02 Aug 2018 16:46  
 Operator : SY/MD  
 Sample : J4225-20DL 20X  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESWP8DL

Quant Time: Aug 03 11:14:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080218WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 03 01:56:09 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 253457   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 228030   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 96821    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 87377    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 99.60%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 75491    | 4.95     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 120994   | 3.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.40%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 259709   | 61.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 122.00% |
| 24) Chloroform-d               | 4.40   | 84    | 151854   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 82885    | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 319022   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 104844   | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 259206   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 35401    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 180457   | 56.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 112.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 83042    | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 109.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 92516    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.00% |

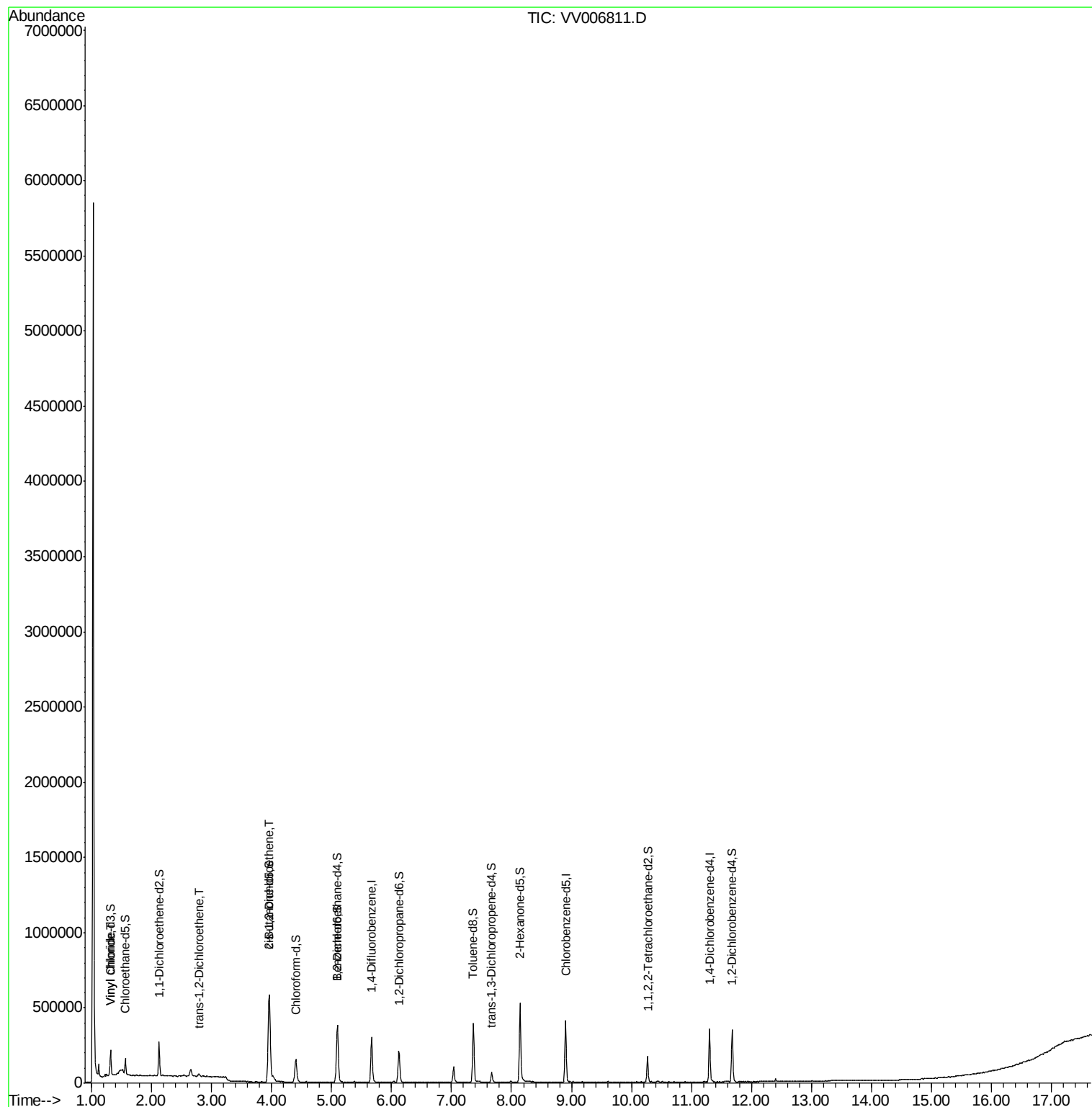
| Target Compounds             |      |    |        |            | Ovalue |
|------------------------------|------|----|--------|------------|--------|
| 5) Vinyl chloride            | 1.32 | 62 | 20001  | 0.88 ug/L  | 98     |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 6688   | 0.38 ug/L  | 94     |
| 22) cis-1,2-Dichloroethene   | 3.96 | 96 | 246293 | 13.00 ug/L | 99     |

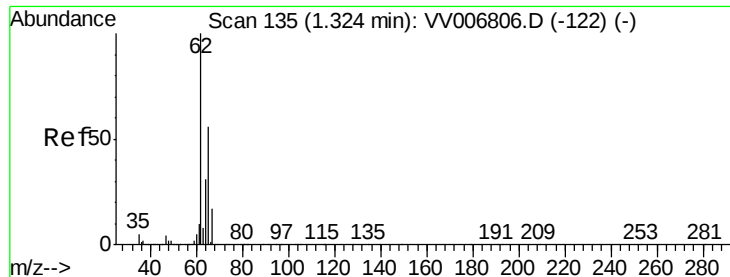
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV080218\  
Data File : VV006811.D  
Acq On : 02 Aug 2018 16:46  
Operator : SY/MD  
Sample : J4225-20DL 20X  
Misc : 25 mL/MSVOA V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ESWP8DL

Quant Time: Aug 03 11:14:26 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080218WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 03 01:56:09 2018  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.88 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006811.D

Acq: 02 Aug 2018 16:46

Instrument :

MSVOA\_V

ClientSampleId :

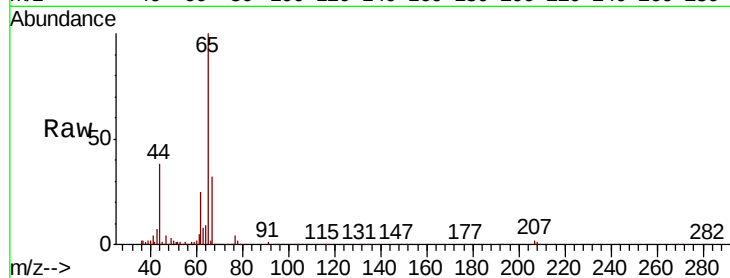
ESWP8DL

Tot Ion: 62 Resp: 20001

Ion Ratio Lower Upper

62 100

64 34.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

20000

15000

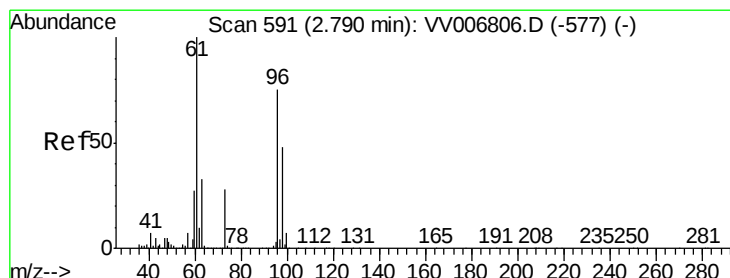
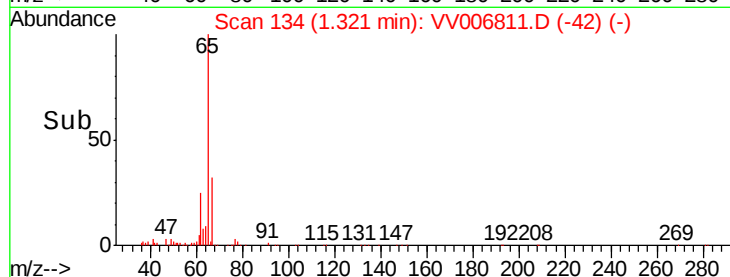
10000

5000

0

Time-->

1.25 1.30 1.35 1.40



#18

trans-1,2-Dichloroethene

Concen: 0.38 ug/L

RT: 2.79 min Scan# 590

Delta R.T. -0.00 min

Lab File: VV006811.D

Acq: 02 Aug 2018 16:46

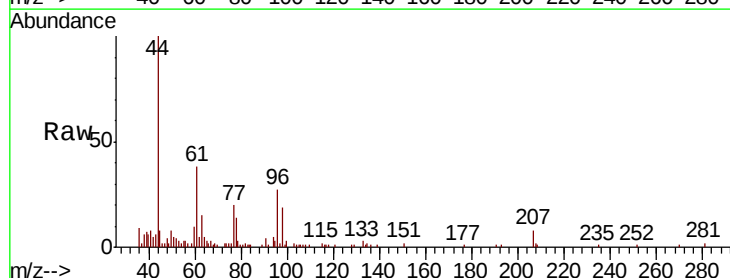
Tgt Ion: 96 Resp: 6688

Ion Ratio Lower Upper

96 100

61 144.9 99.0 183.8

98 71.2 42.8 79.4



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

6000

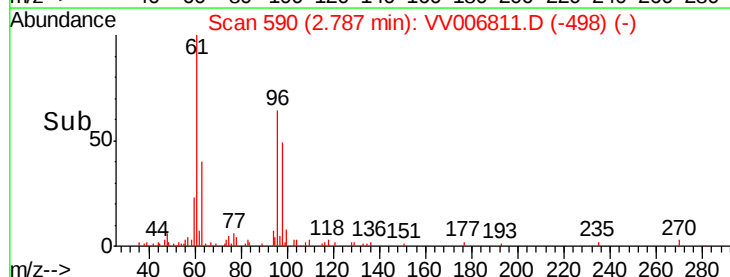
4000

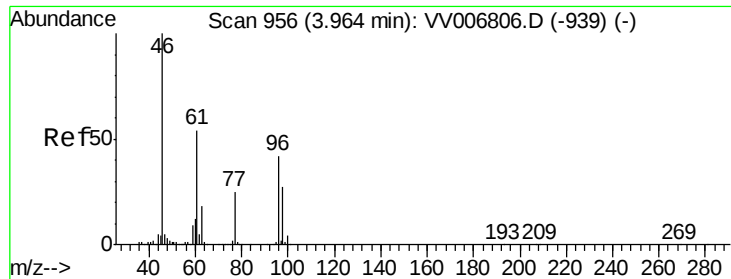
2000

0

Time-->

2.70 2.75 2.80 2.85





#22  
 cis-1,2-Dichloroethene  
 Concen: 13.00 ug/L  
 RT: 3.96 min Scan# 956  
 Delta R.T. -0.00 min  
 Lab File: VV006811.D  
 Acq: 02 Aug 2018 16:46

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESWP8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 124.8 | 86.6  | 160.8 |
| 68      | 0.0   | 0.0   | 0.0   |

