

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV082318\  
 Data File : VV007160.D  
 Acq On : 23 Aug 2018 23:52  
 Operator : SY/MD  
 Sample : J4622-18  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBL0

Quant Time: Aug 24 02:12:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 24 02:07:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 599876   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 550432   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 208171   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 658767   | 174.74   | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 349.48%# |
| 7) Chloroethane-d5             | 1.57    | 69    | 126969   | 52.37    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.74%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 257061   | 36.83    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.66%   |
| 21) 2-Butanone-d5              | 3.97    | 46    | 419576   | 130.77   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 130.77%# |
| 24) Chloroform-d               | 4.41    | 84    | 353691   | 43.85    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.70%   |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 230174   | 47.07    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.14%   |
| 32) Benzene-d6                 | 5.10    | 84    | 714131   | 46.68    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.36%   |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 247583   | 48.93    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.86%   |
| 41) Toluene-d8                 | 7.36    | 98    | 565427   | 42.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.02%   |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 100861   | 46.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.10%   |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 217641   | 120.95   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 120.95%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 359326   | 48.81    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.62%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 189018   | 45.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.32%   |

## Target Compounds

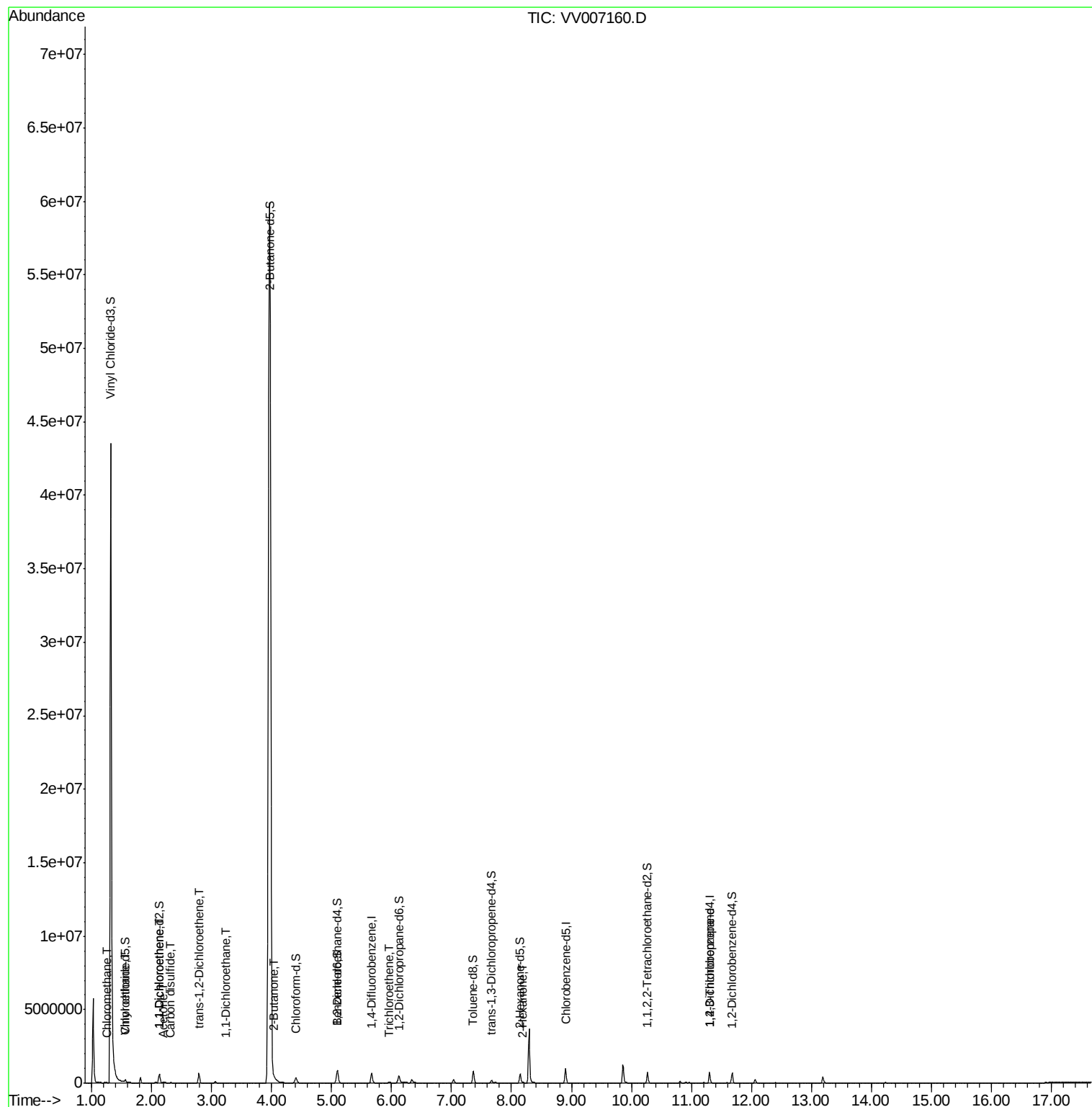
| Target Compounds             | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane             | 1.25  | 50   | 15008    | 2.163  | ug/L   | 98     |
| 5) Vinyl chloride            | 1.56  | 62   | 22674    | 3.980  | ug/L   | 97     |
| 12) 1,1-Dichloroethene       | 2.14  | 96   | 90869    | 22.755 | ug/L   | 90     |
| 13) Acetone                  | 2.20  | 43   | 32068    | 12.741 | ug/L   | 56     |
| 14) Carbon disulfide         | 2.32  | 76   | 28179    | 2.313  | ug/L   | 95     |
| 17) trans-1,2-Dichloroethene | 2.79  | 96   | 265004   | 61.196 | ug/L   | 97     |
| 19) 1,1-Dichloroethane       | 3.23  | 63   | 10924    | 1.226  | ug/L   | 95     |
| 22) 2-Butanone               | 4.04  | 43   | 57913    | 14.564 | ug/L   | 85     |
| 34) Trichloroethene          | 5.96  | 95   | 21367    | 4.781  | ug/L   | 97     |
| 48) 2-Hexanone               | 8.19  | 43   | 17457    | 3.529  | ug/L # | 80     |
| 59) 1,2,3-Trichloropropane   | 11.30 | 75   | 24375    | 3.749  | ug/L   | 91     |

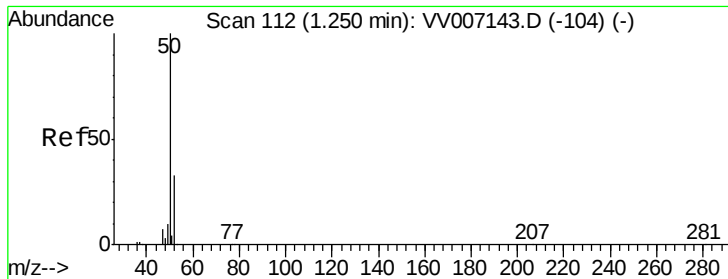
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETBL0

Quant Time: Aug 24 02:12:41 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082218WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 24 02:07:07 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 2.163 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007160.D

Acq: 23 Aug 2018 23:52

Instrument :

MSVOA\_V

ClientSampleId :

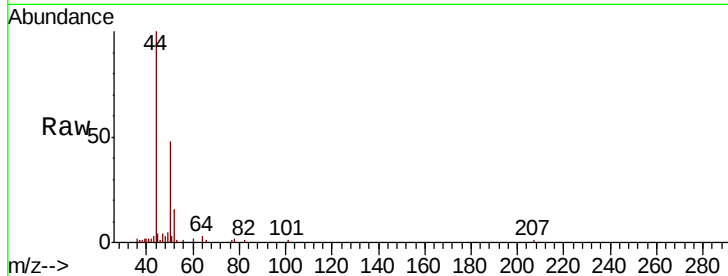
ETBL0

Tgt Ion: 50 Resp: 15008

Ion Ratio Lower Upper

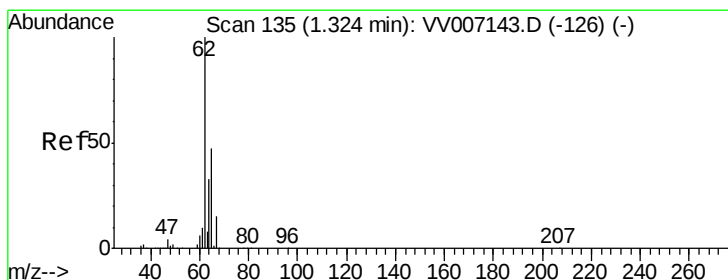
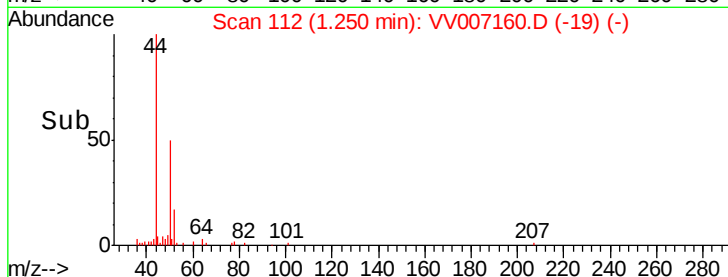
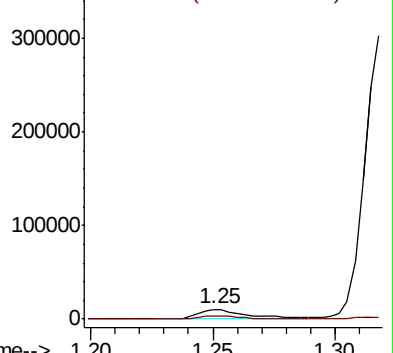
50 100

52 34.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#5

Vinyl chloride

Concen: 3.980 ug/L

RT: 1.56 min Scan# 207

Delta R.T. 0.23 min

Lab File: VV007160.D

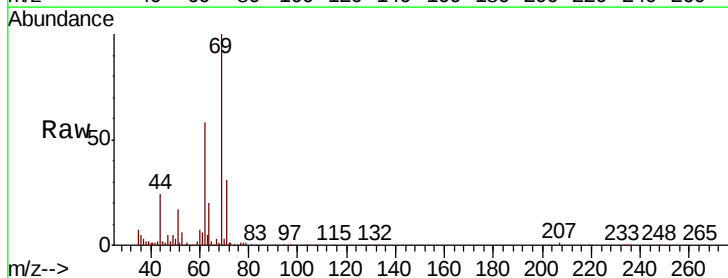
Acq: 23 Aug 2018 23:52

Tgt Ion: 62 Resp: 22674

Ion Ratio Lower Upper

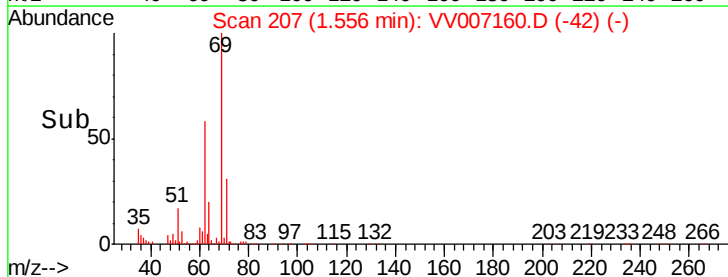
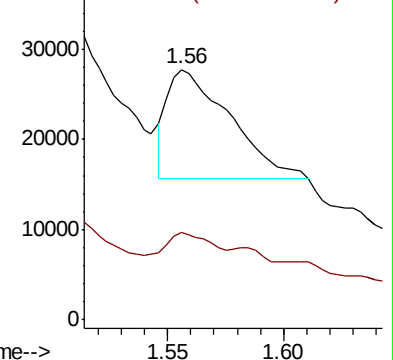
62 100

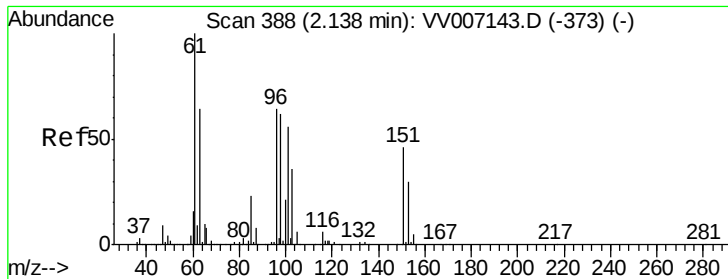
64 35.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

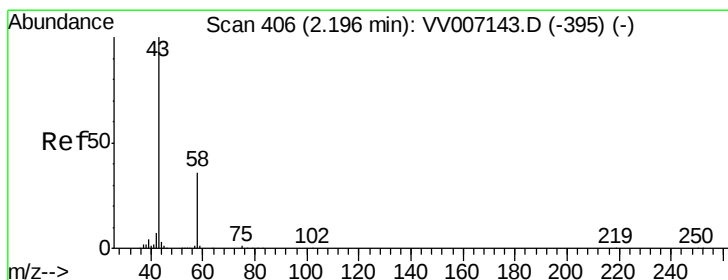
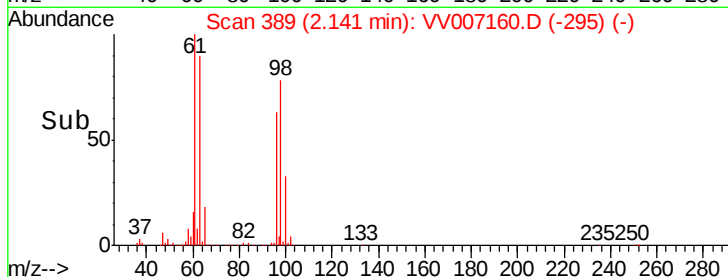
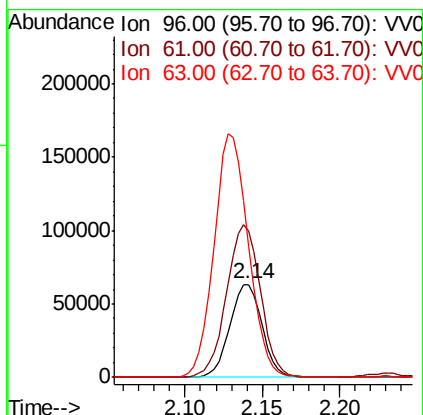
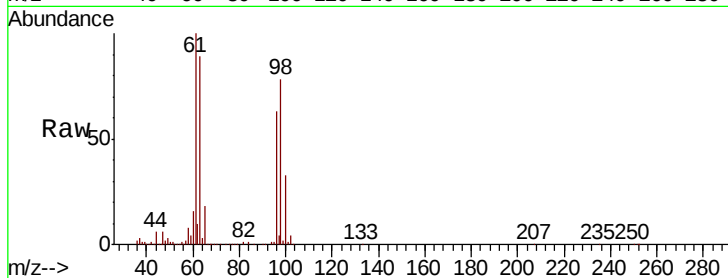




#12  
 1,1-Dichloroethene  
 Concen: 22.755 ug/L  
 RT: 2.14 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VV007160.D  
 Acq: 23 Aug 2018 23:52

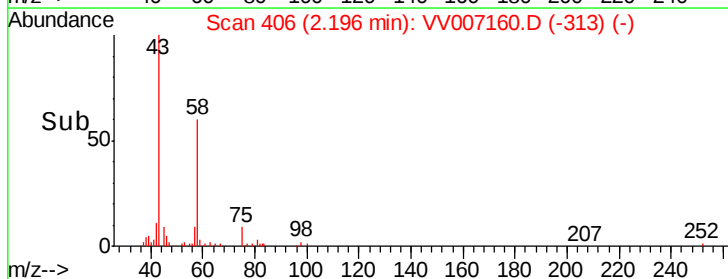
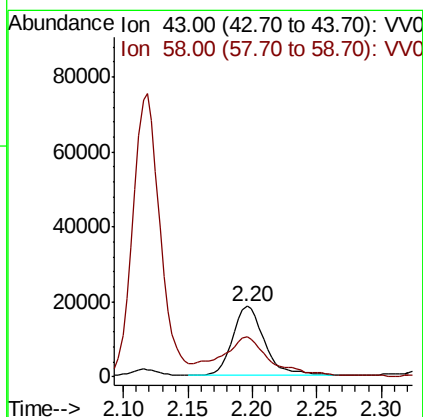
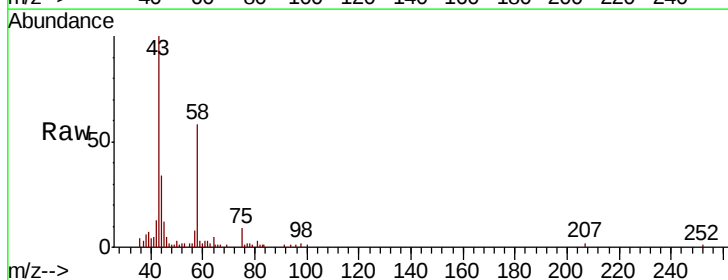
Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 ETBL0

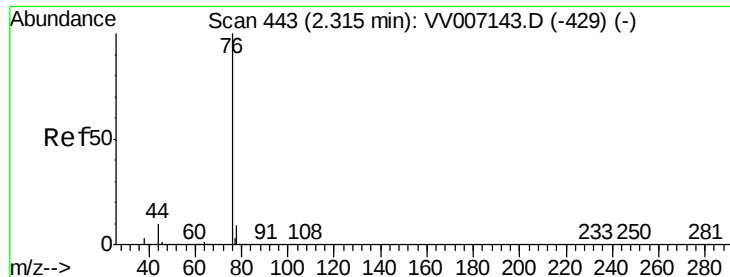
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 158.4 | 110.0 | 204.2 |
| 63      | 141.7 | 81.8  | 152.0 |



#13  
 Acetone  
 Concen: 12.741 ug/L  
 RT: 2.20 min Scan# 406  
 Delta R.T. -0.00 min  
 Lab File: VV007160.D  
 Acq: 23 Aug 2018 23:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 62.4  | 0.0   | 73.0  |





#14

Carbon disulfide

Concen: 2.313 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007160.D

Acq: 23 Aug 2018 23:52

Instrument :

MSVOA\_V

ClientSampleId :

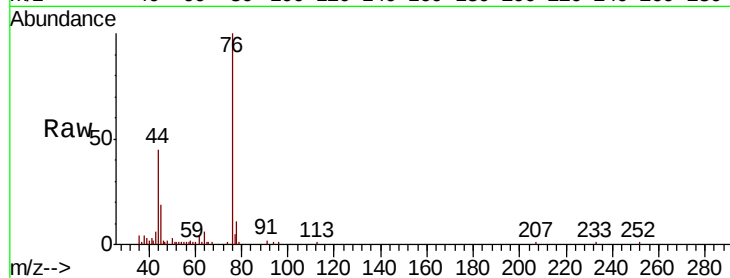
ETBL0

Tgt Ion: 76 Resp: 28179

Ion Ratio Lower Upper

76 100

78 10.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV007143.D (-429) (-)

Ion 78.00 (77.70 to 78.70): VV007143.D (-429) (-)

2.32

15000

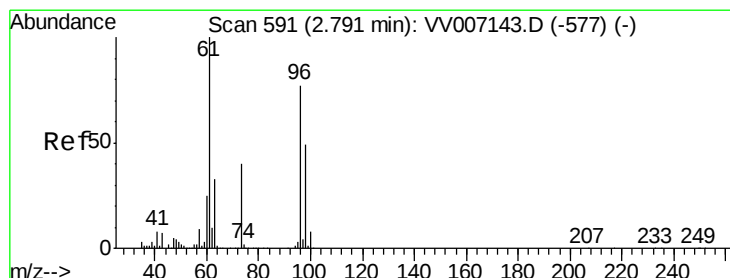
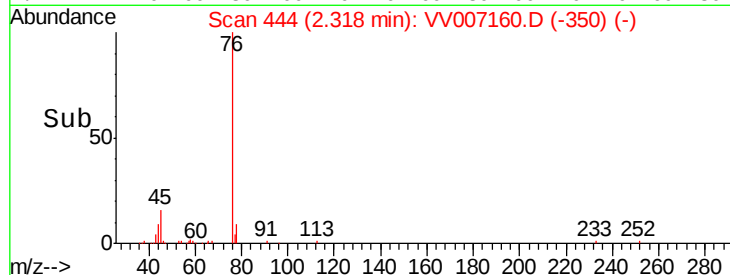
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#17

trans-1,2-Dichloroethene

Concen: 61.196 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007160.D

Acq: 23 Aug 2018 23:52

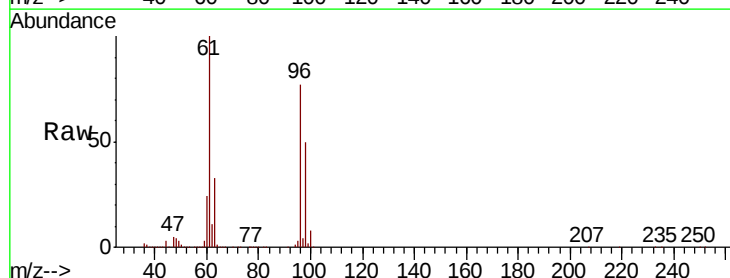
Tgt Ion: 96 Resp: 265004

Ion Ratio Lower Upper

96 100

61 130.2 89.1 165.5

98 65.1 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VV007143.D (-577) (-)

Ion 61.00 (60.70 to 61.70): VV007143.D (-577) (-)

Ion 98.00 (97.70 to 98.70): VV007143.D (-577) (-)

2.79

250000

200000

150000

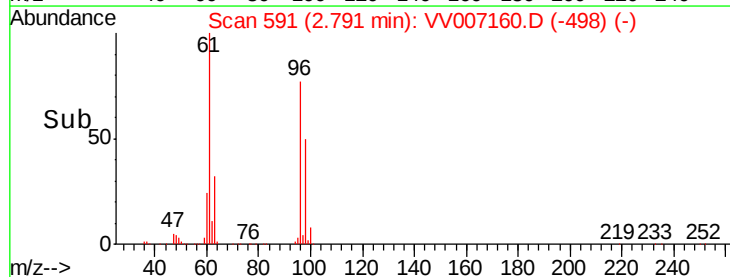
100000

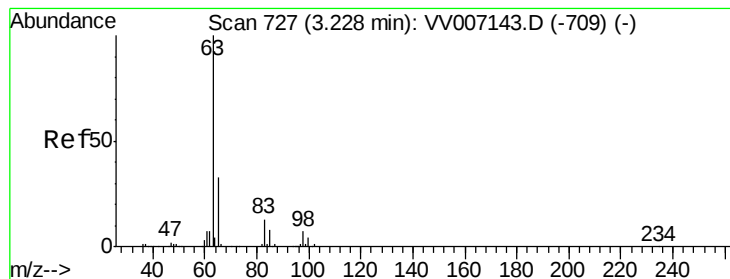
50000

0

2.70 2.75 2.80 2.85 2.90

Time-->





#19

1,1-Dichloroethane

Concen: 1.226 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007160.D

Acq: 23 Aug 2018 23:52

Instrument :

MSVOA\_V

ClientSampleId :

ETBL0

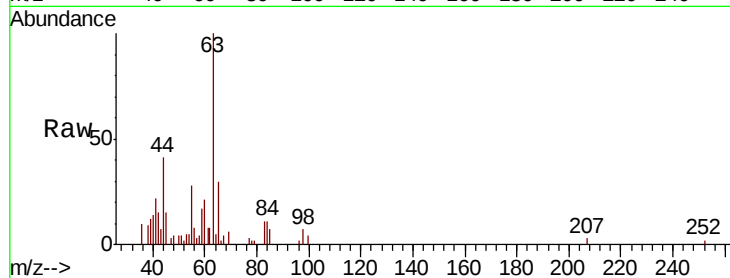
Tgt Ion: 63 Resp: 10924

Ion Ratio Lower Upper

63 100

65 30.1 22.7 42.3

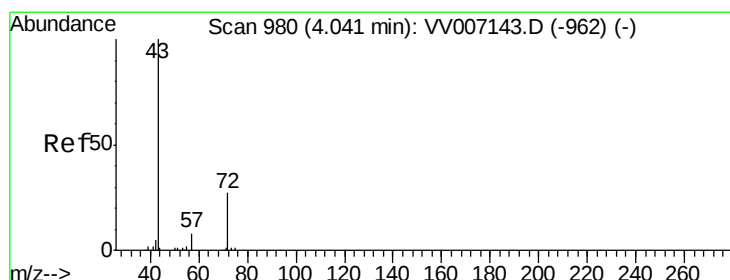
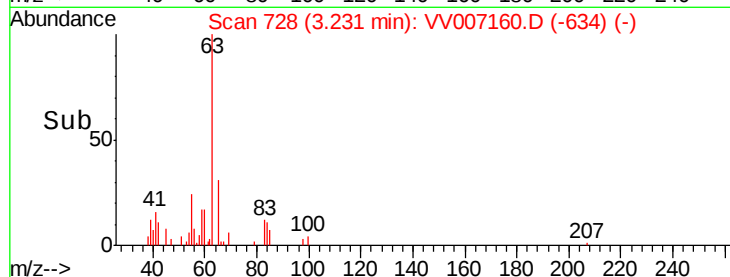
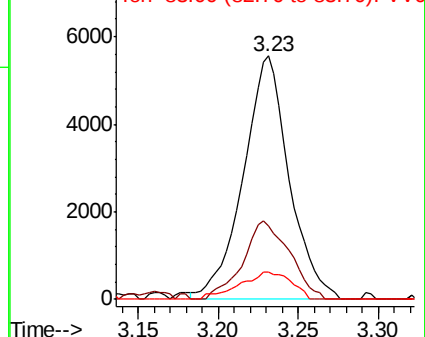
83 11.3 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV007143.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VV007143.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VV007143.D (-709) (-)



#22

2-Butanone

Concen: 14.564 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007160.D

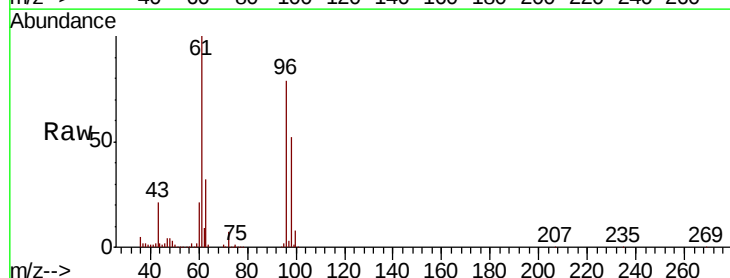
Acq: 23 Aug 2018 23:52

Tgt Ion: 43 Resp: 57913

Ion Ratio Lower Upper

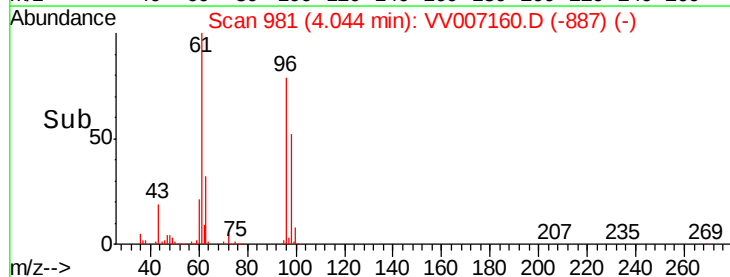
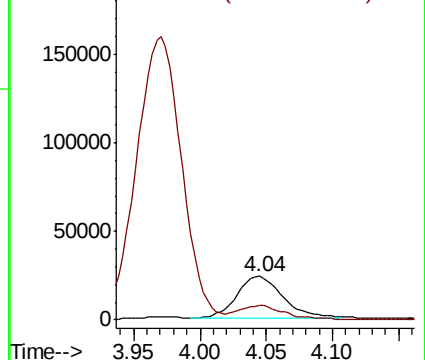
43 100

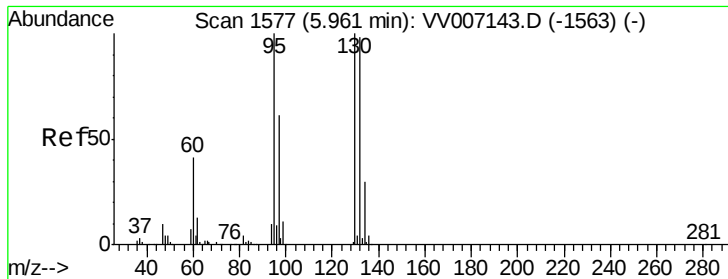
72 34.8 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007143.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VV007143.D (-962) (-)





#34

Trichloroethene

Concen: 4.781 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007160.D

Acq: 23 Aug 2018 23:52

Instrument :

MSVOA\_V

ClientSampleId :

ETBL0

Tgt Ion: 95 Resp: 21367

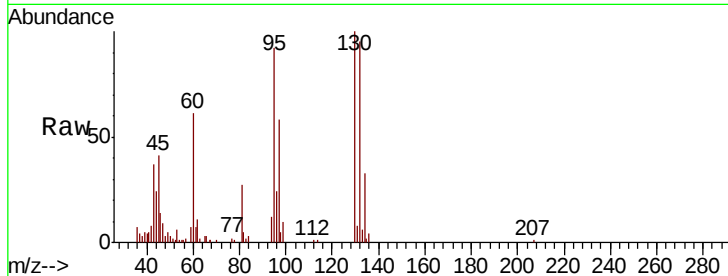
Ion Ratio Lower Upper

95 100

97 63.3 45.1 83.9

132 103.0 69.7 129.4

130 108.3 73.6 136.6

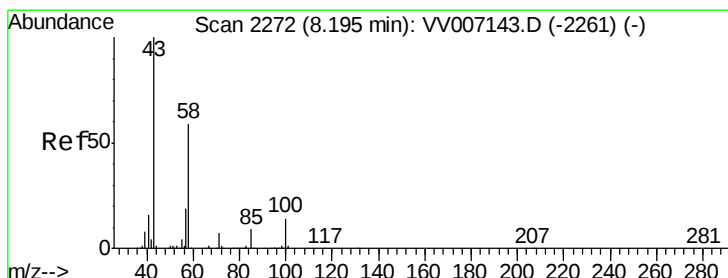
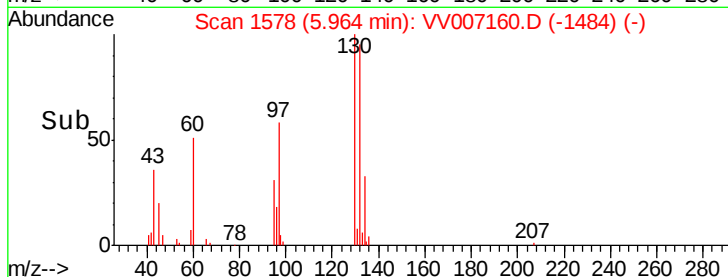
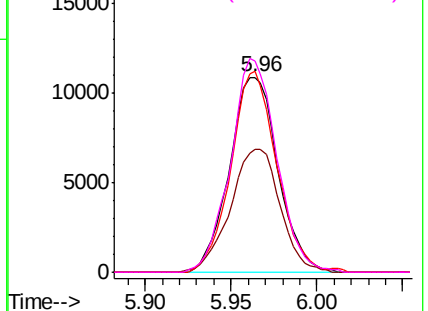


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#48

2-Hexanone

Concen: 3.529 ug/L

RT: 8.19 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV007160.D

Acq: 23 Aug 2018 23:52

Tgt Ion: 43 Resp: 17457

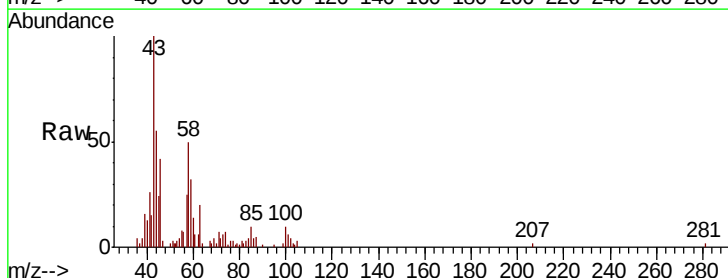
Ion Ratio Lower Upper

43 100

58 49.8 47.9 71.9

57 0.0 15.8 23.8#

100 8.5 10.6 16.0#

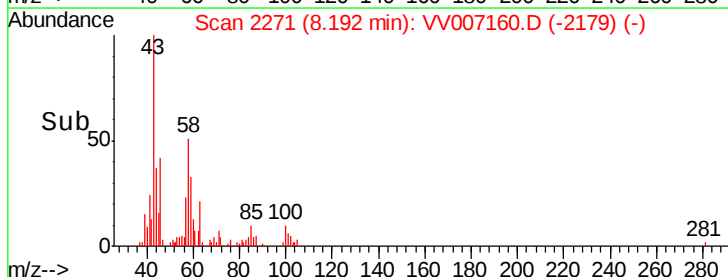
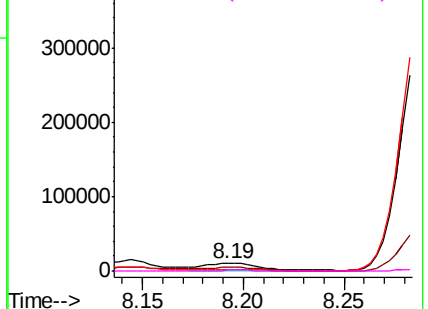


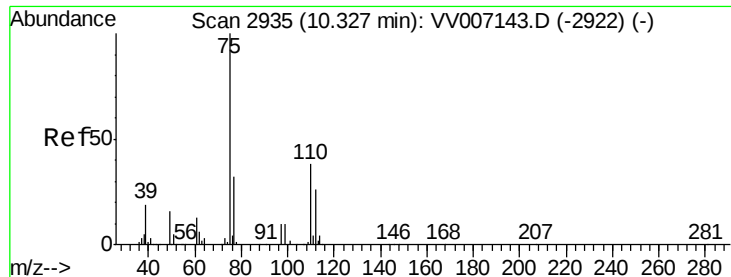
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 3.749 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.97 min

Lab File: VV007160.D

Acq: 23 Aug 2018 23:52

Instrument :

MSVOA\_V

ClientSampleId :

ETBL0

Tgt Ion: 75 Resp: 24375

Ion Ratio Lower Upper

75 100

77 37.2 25.8 38.8

