

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV082318\  
 Data File : VV007133.D  
 Acq On : 23 Aug 2018 12:13  
 Operator : SY/MD  
 Sample : J4599-11MSD  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETOL3MSD

Quant Time: Aug 24 01:26:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 24 01:26:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 539607   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 487282   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 197944   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 148425   | 43.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.54%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 78610    | 36.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 72.08%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 281096   | 44.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.54%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 308978   | 107.05   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.05% |
| 24) Chloroform-d               | 4.40    | 84    | 329031   | 45.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 208374   | 47.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.74%  |
| 32) Benzene-d6                 | 5.10    | 84    | 663741   | 49.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.02%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 228821   | 51.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.16% |
| 41) Toluene-d8                 | 7.36    | 98    | 530102   | 44.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.98%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 90528    | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.40%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 167845   | 105.37   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.37% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 320077   | 49.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.22%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 208749   | 52.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.90% |

## Target Compounds

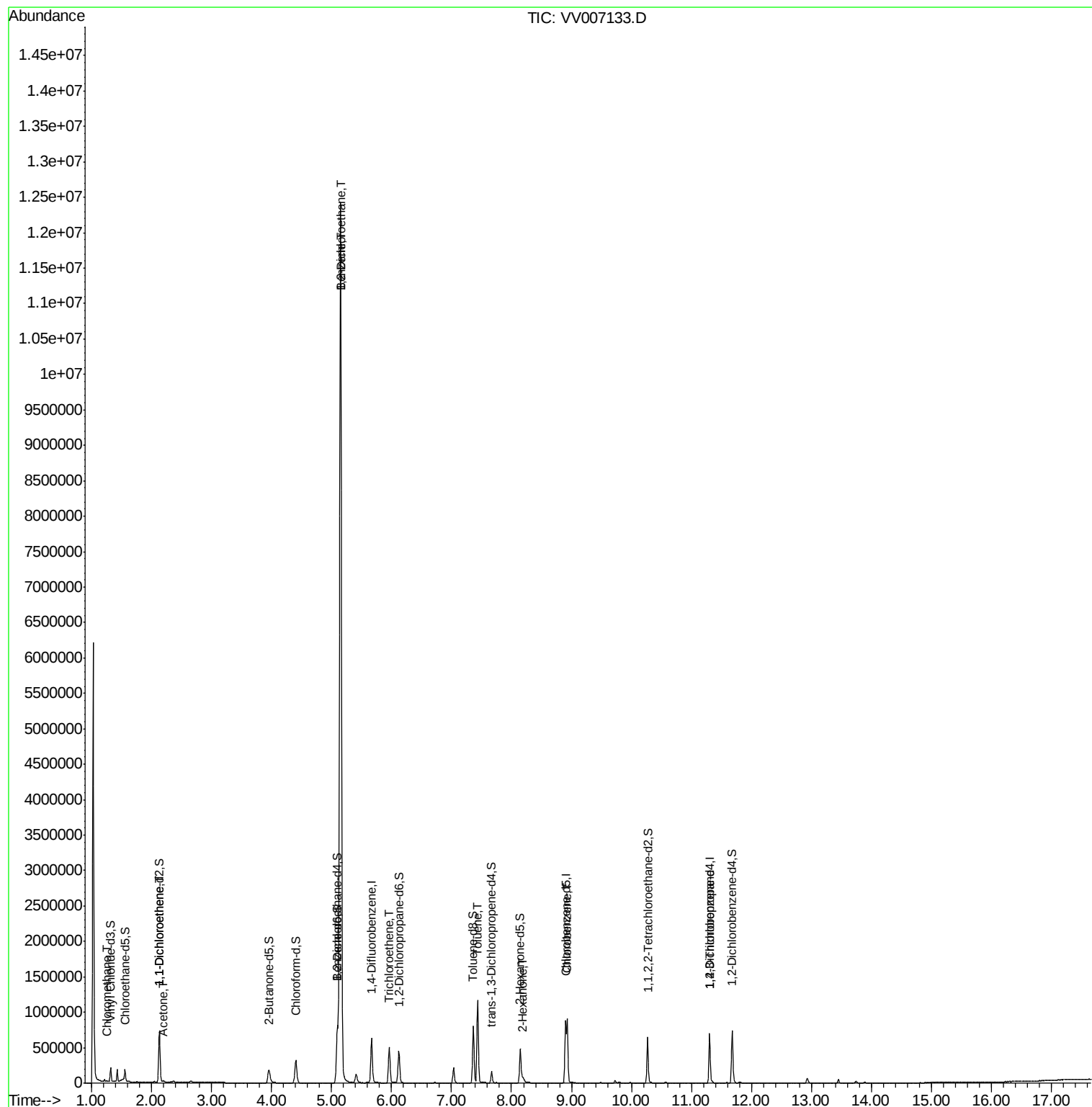
|                            |       |     |          |               | Qvalue |
|----------------------------|-------|-----|----------|---------------|--------|
| 3) Chloromethane           | 1.25  | 50  | 9003     | 1.442 ug/L    | 94     |
| 12) 1,1-Dichloroethene     | 2.14  | 96  | 148681   | 41.391 ug/L   | 92     |
| 13) Acetone                | 2.20  | 43  | 10959    | 4.840 ug/L    | 95     |
| 27) 1,2-Dichloroethane     | 5.15  | 62  | 102548   | 17.196 ug/L # | 71     |
| 33) Benzene                | 5.15  | 78  | 12306372 | 737.240 ug/L  | 100    |
| 34) Trichloroethene        | 5.96  | 95  | 173989   | 43.979 ug/L   | 98     |
| 42) Toluene                | 7.44  | 91  | 847151   | 52.643 ug/L   | 99     |
| 48) 2-Hexanone             | 8.20  | 43  | 32526    | 7.427 ug/L #  | 87     |
| 51) Chlorobenzene          | 8.93  | 112 | 476259   | 44.677 ug/L   | 99     |
| 59) 1,2,3-Trichloropropane | 11.30 | 75  | 22269    | 3.869 ug/L #  | 88     |

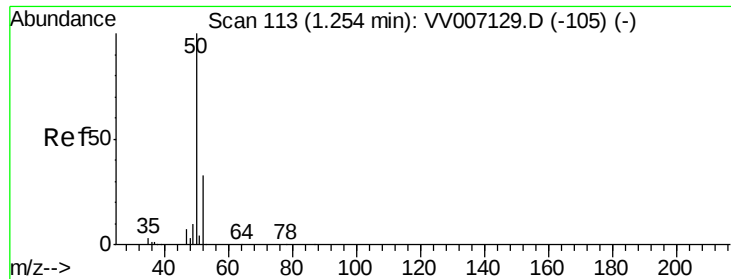
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ETOL3MSD

Quant Time: Aug 24 01:26:42 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082218WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 24 01:26:08 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.442 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007133.D

Acq: 23 Aug 2018 12:13

Instrument :

MSVOA\_V

ClientSampleId :

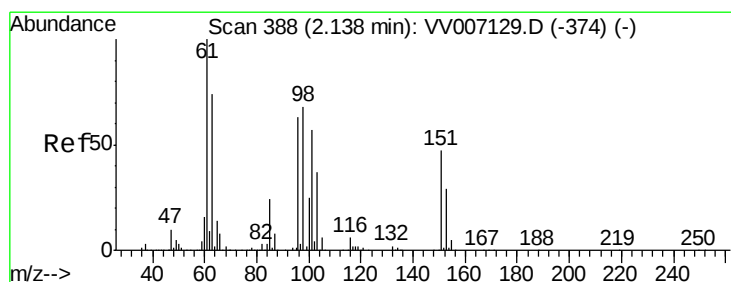
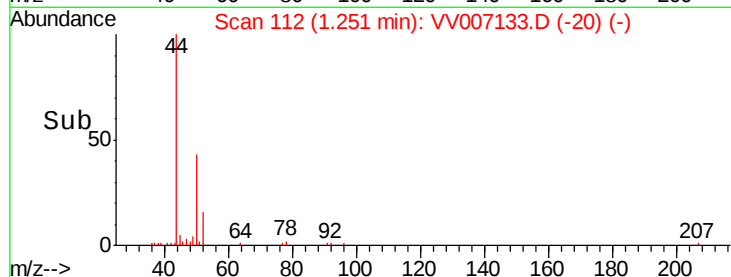
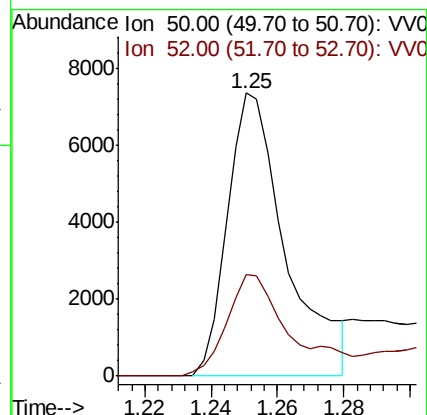
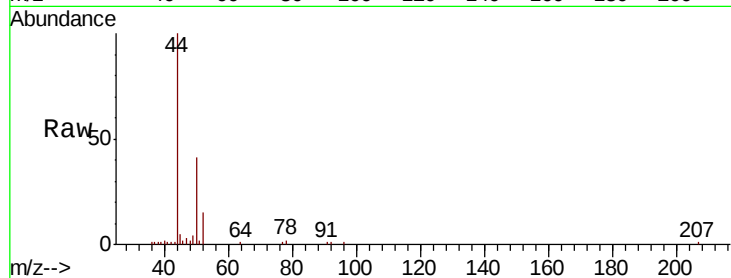
ETOL3MSD

Tgt Ion: 50 Resp: 9003

Ion Ratio Lower Upper

50 100

52 36.0 23.0 42.8



#12

1,1-Dichloroethene

Concen: 41.391 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007133.D

Acq: 23 Aug 2018 12:13

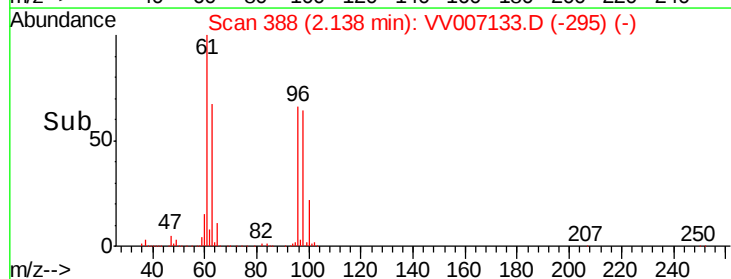
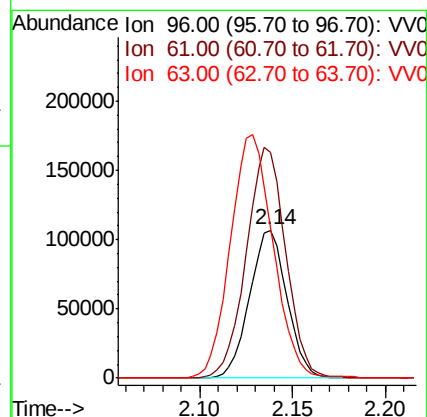
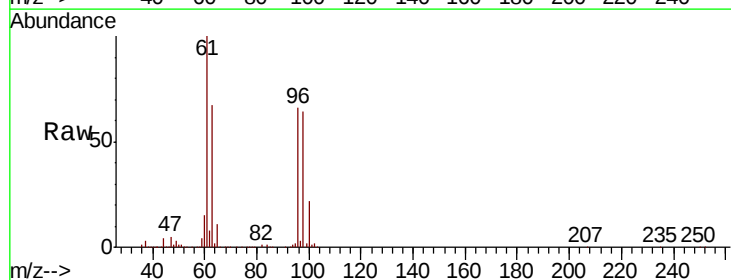
Tgt Ion: 96 Resp: 148681

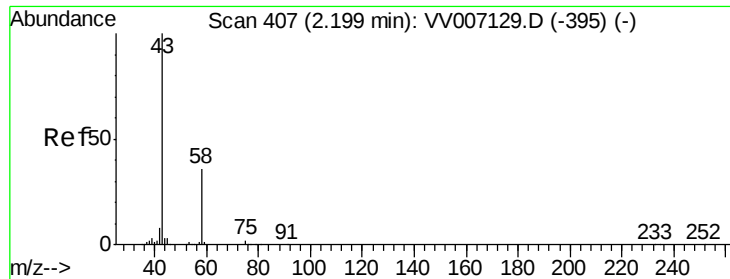
Ion Ratio Lower Upper

96 100

61 152.5 110.0 204.2

63 101.9 81.8 152.0





#13

Acetone

Concen: 4.840 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.00 min

Lab File: VV007133.D

Acq: 23 Aug 2018 12:13

Instrument :

MSVOA\_V

ClientSampleId :

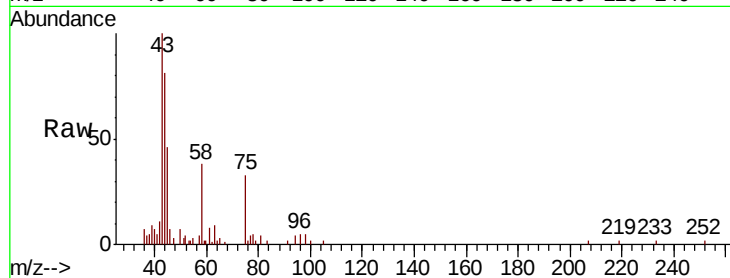
ETOL3MSD

Tgt Ion: 43 Resp: 10959

Ion Ratio Lower Upper

43 100

58 39.4 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007129.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007129.D (-395) (-)

2.20

8000

6000

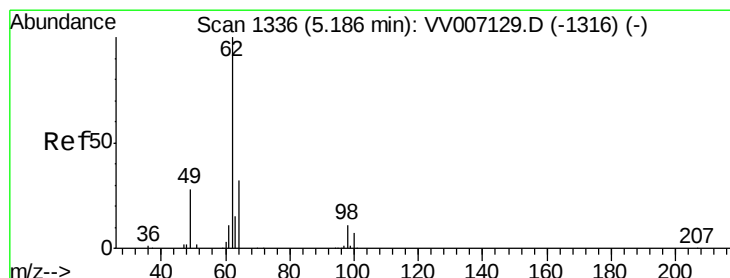
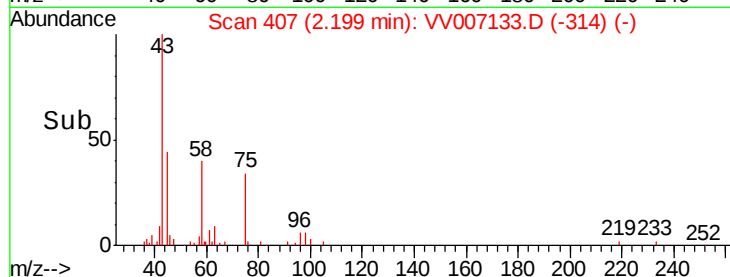
4000

2000

0

Time-->

2.15 2.20 2.25



#27

1,2-Dichloroethane

Concen: 17.196 ug/L

RT: 5.15 min Scan# 1325

Delta R.T. -0.04 min

Lab File: VV007133.D

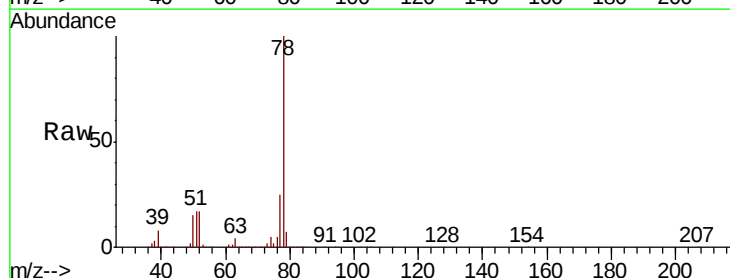
Acq: 23 Aug 2018 12:13

Tgt Ion: 62 Resp: 102548

Ion Ratio Lower Upper

62 100

98 0.0 8.7 13.1#



Abundance Ion 62.00 (61.70 to 62.70): VV007129.D (-1316) (-)

Ion 98.00 (97.70 to 98.70): VV007129.D (-1316) (-)

5.15

50000

40000

30000

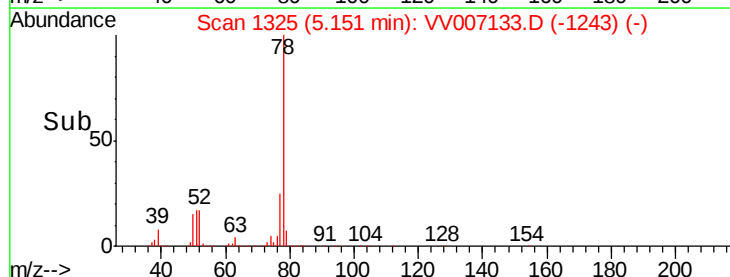
20000

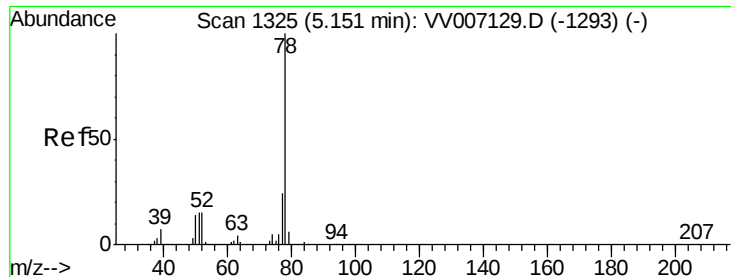
10000

0

Time-->

5.00 5.10 5.20





#33

Benzene

Concen: 737.240 ug/L

RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV007133.D

Acq: 23 Aug 2018 12:13

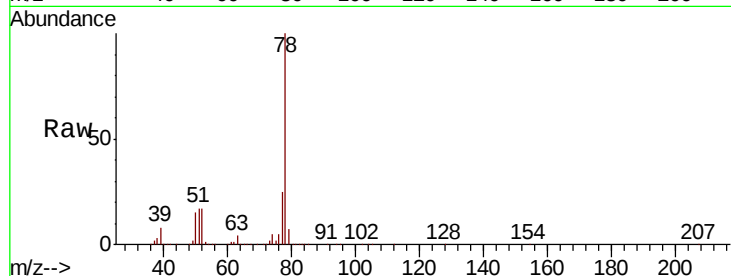
Instrument :

MSVOA\_V

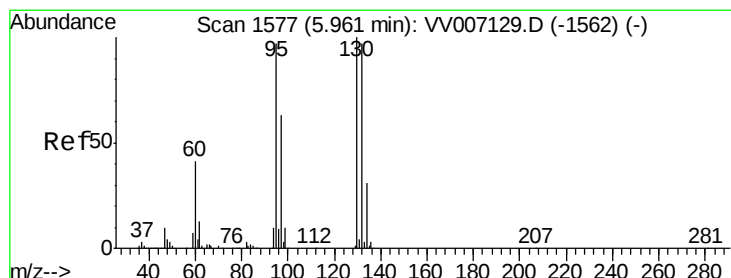
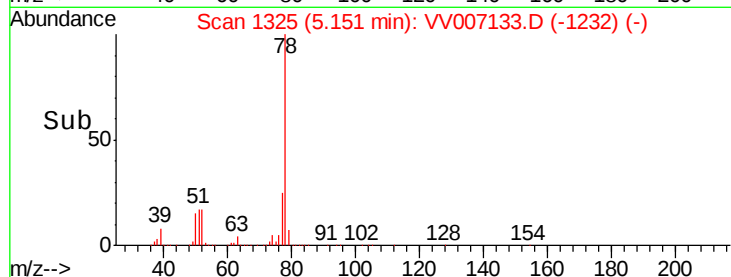
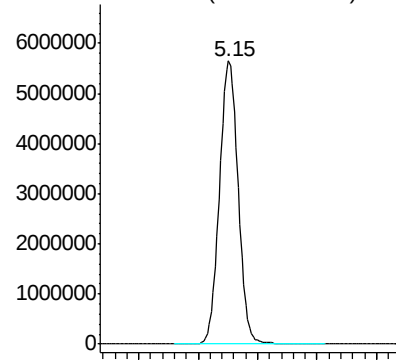
ClientSampleId :

ETOL3MSD

Tgt Ion: 78 Resp:12306372



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 43.979 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV007133.D

Acq: 23 Aug 2018 12:13

Tgt Ion: 95 Resp: 173989

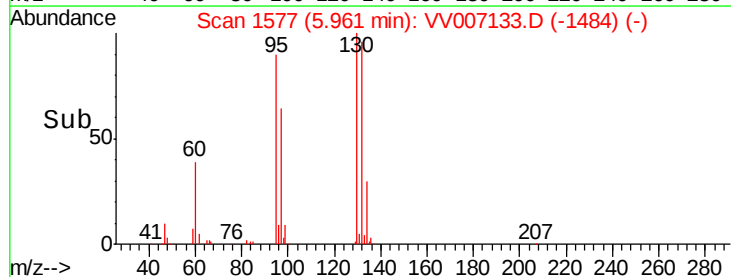
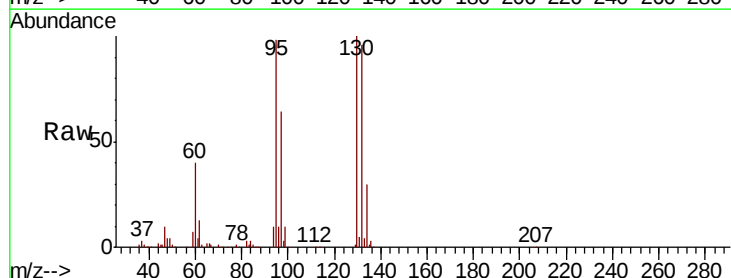
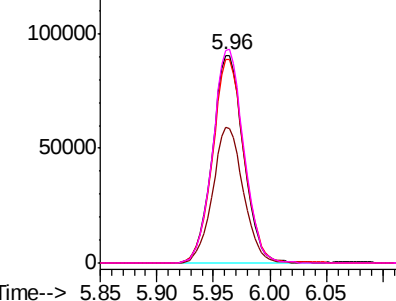
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.4  | 45.1  | 83.9  |
| 132 | 98.0  | 69.7  | 129.4 |
| 130 | 102.5 | 73.6  | 136.6 |

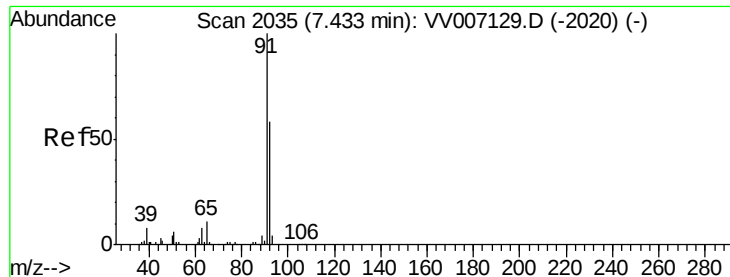
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#42

Toluene

Concen: 52.643 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007133.D

Acq: 23 Aug 2018 12:13

Instrument :

MSVOA\_V

ClientSampled :

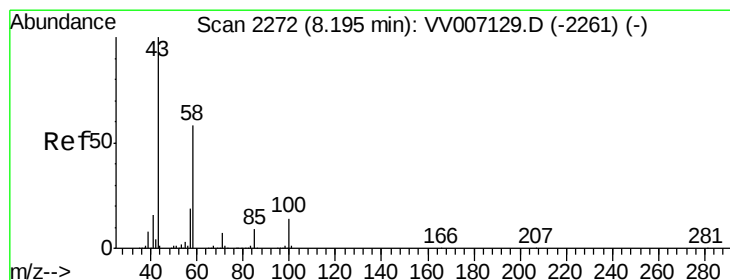
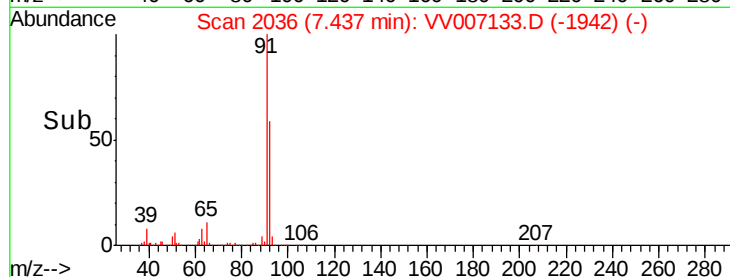
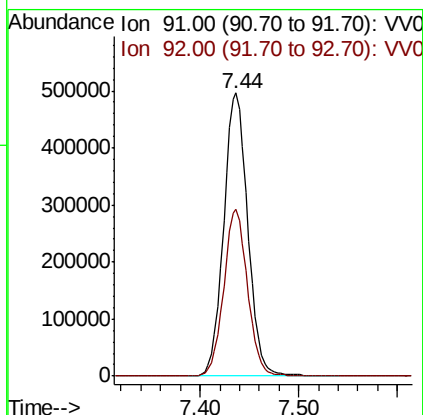
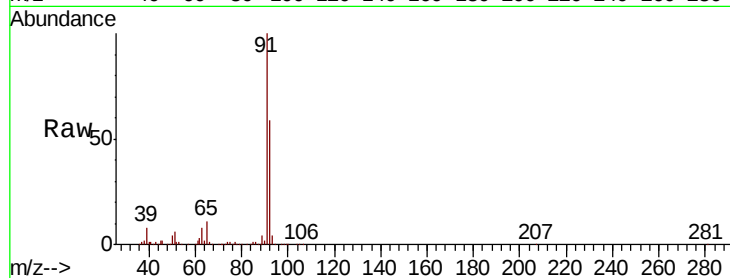
ETOL3MSD

Tgt Ion: 91 Resp: 847151

Ion Ratio Lower Upper

91 100

92 59.0 40.9 75.9



#48

2-Hexanone

Concen: 7.427 ug/L

RT: 8.20 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV007133.D

Acq: 23 Aug 2018 12:13

Tgt Ion: 43 Resp: 32526

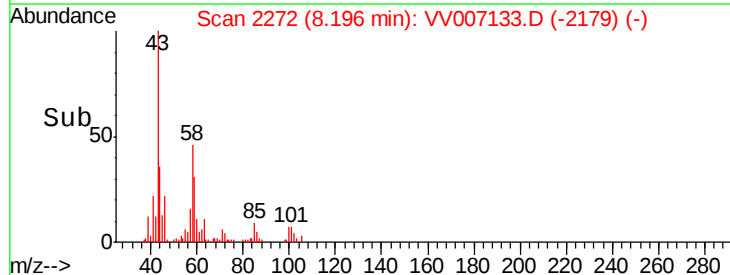
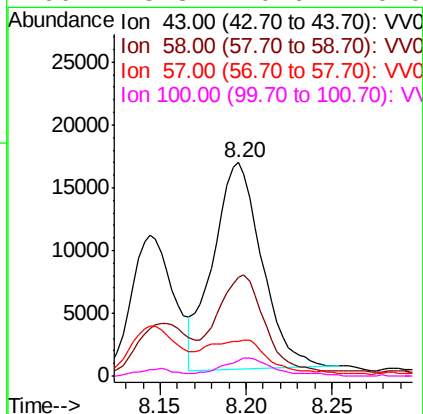
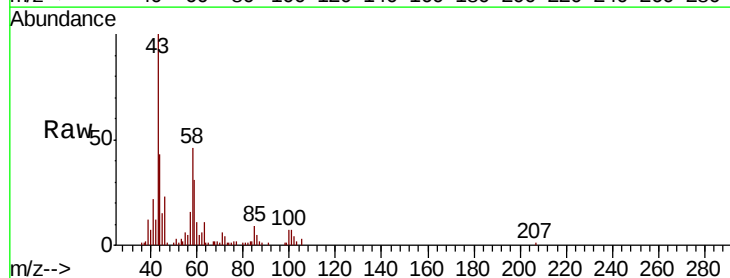
Ion Ratio Lower Upper

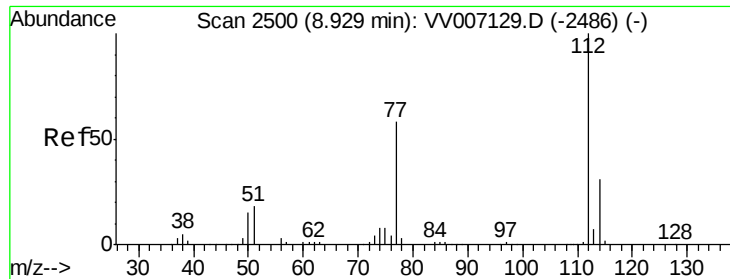
43 100

58 46.9 47.9 71.9#

57 19.1 15.8 23.8

100 8.3 10.6 16.0#

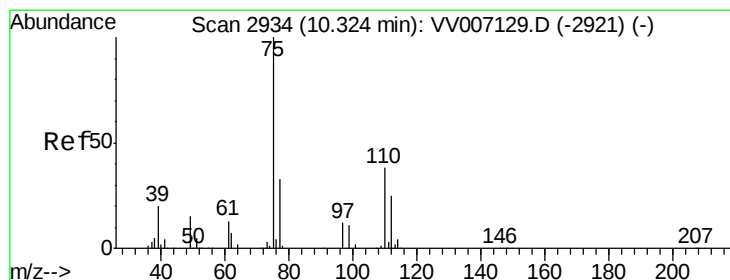
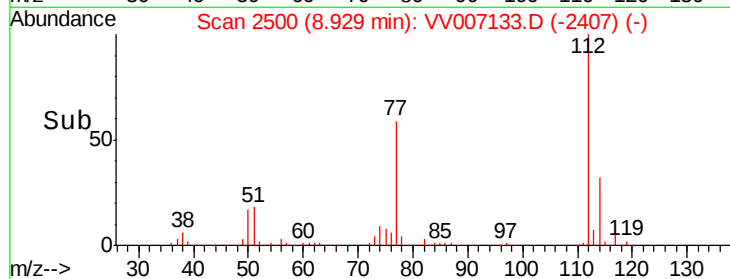
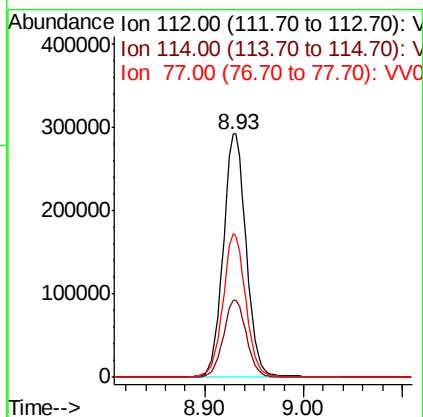
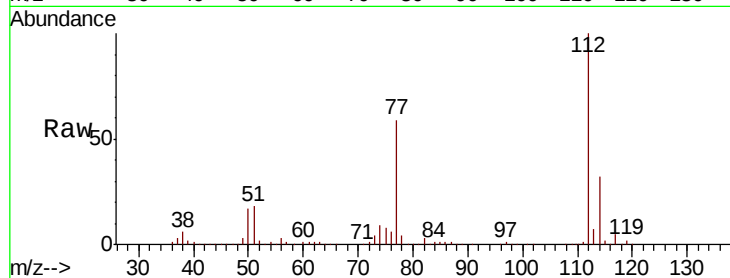




#51  
Chlorobenzene  
Concen: 44.677 ug/L  
RT: 8.93 min Scan# 2500  
Delta R.T. 0.00 min  
Lab File: VV007133.D  
Acq: 23 Aug 2018 12:13

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETOL3MSD

Tgt Ion: 112 Resp: 476259  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.3 41.3  
77 58.9 46.6 70.0



#59  
1,2,3-Trichloropropane  
Concen: 3.869 ug/L  
RT: 11.30 min Scan# 3238  
Delta R.T. 0.98 min  
Lab File: VV007133.D  
Acq: 23 Aug 2018 12:13

Tgt Ion: 75 Resp: 22269  
Ion Ratio Lower Upper  
75 100  
77 38.9 25.8 38.8#

