

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR061618\  
 Data File : VR025328.D  
 Acq On : 16 Jun 2018 17:32  
 Operator : SY/MD  
 Sample : J3549-17MS  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 ESWF1MS

Quant Time: Jun 18 02:41:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 18 02:40:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 618548   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 513827   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 165392   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 97613    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.60%  |
| 7) Chloroethane-d5             | 2.64   | 69    | 76356    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.60%  |
| 11) 1,1-Dichloroethene-d2      | 3.64   | 63    | 246573   | 4.55     | ug/L | 0.01    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 91.00%  |
| 20) 2-Butanone-d5              | 6.60   | 46    | 256842   | 45.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 90.96%  |
| 24) Chloroform-d               | 7.19   | 84    | 352450   | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 145681   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%  |
| 32) Benzene-d6                 | 7.85   | 84    | 786935   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 238957   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 700959   | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 42948    | 3.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 65.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 228216   | 49.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.84%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 96737    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.40% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 145573   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.80% |

## Target Compounds

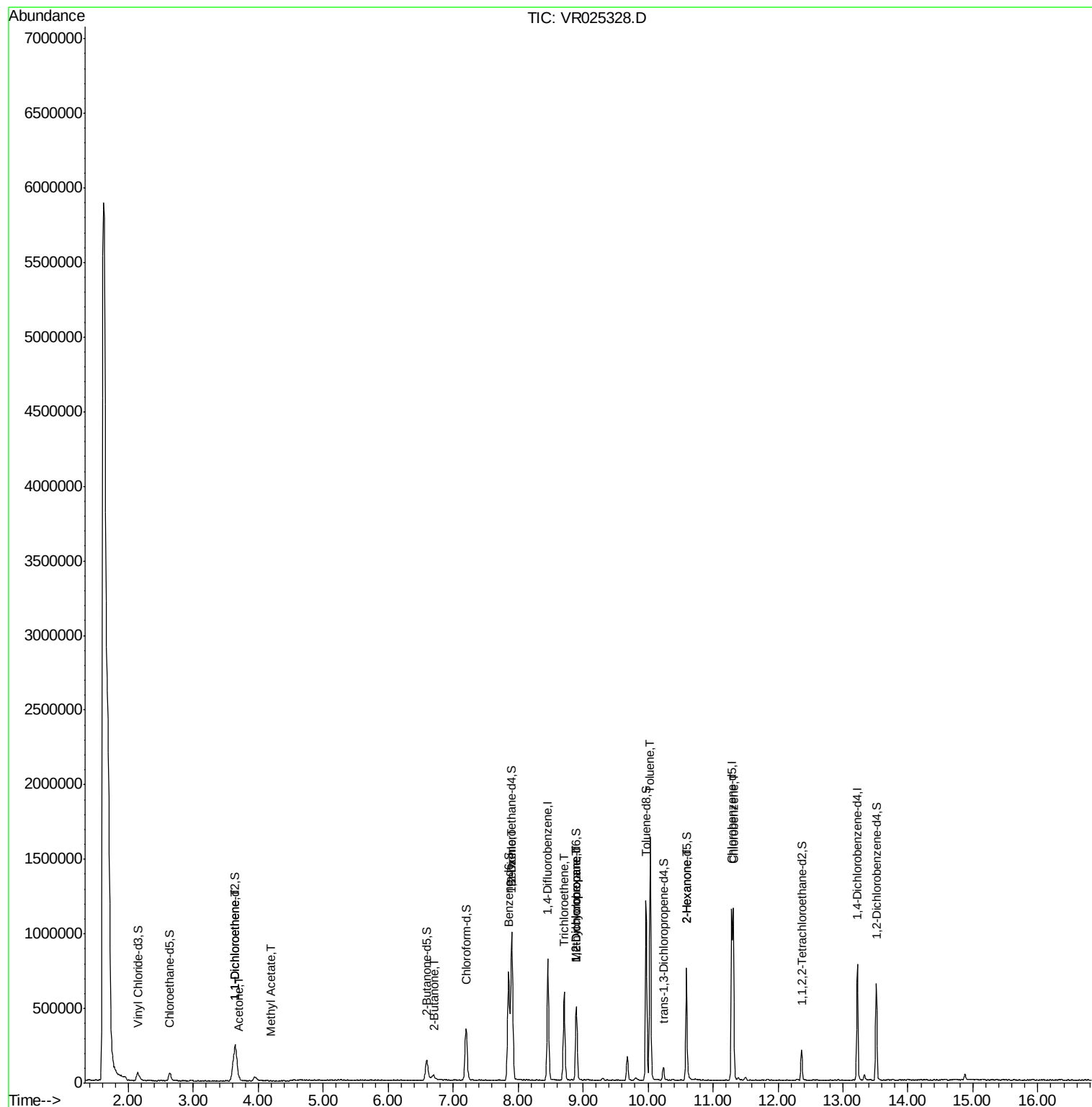
| Target Compounds        | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------|-------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene  | 3.65  | 96   | 89181    | 4.102 | ug/L   | 83     |
| 13) Acetone             | 3.71  | 43   | 12599    | 4.940 | ug/L   | 95     |
| 15) Methyl Acetate      | 4.19  | 43   | 1779     | 0.277 | ug/L # | 58     |
| 21) 2-Butanone          | 6.71  | 43   | 2717     | 0.451 | ug/L   | 83     |
| 33) Benzene             | 7.91  | 78   | 863096   | 4.278 | ug/L   | 100    |
| 34) Trichloroethene     | 8.71  | 95   | 209239   | 4.287 | ug/L   | 97     |
| 35) Methylcyclohexane   | 8.90  | 83   | 53383    | 0.693 | ug/L # | 18     |
| 37) 1,2-Dichloropropane | 8.90  | 63   | 23989    | 0.535 | ug/L # | 93     |
| 42) Toluene             | 10.03 | 91   | 1093621  | 5.059 | ug/L   | 98     |
| 48) 2-Hexanone          | 10.59 | 43   | 28128    | 3.040 | ug/L # | 76     |
| 51) Chlorobenzene       | 11.31 | 112  | 519372   | 4.486 | ug/L   | 99     |

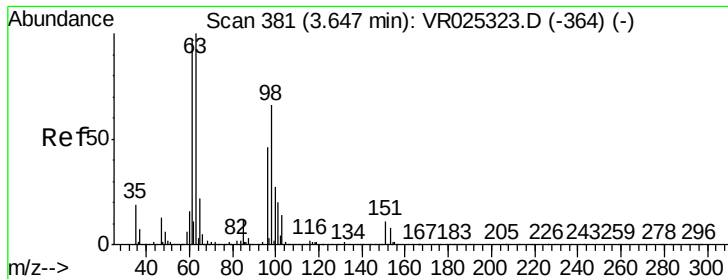
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_R\DATA\VR061618\  
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Sample : J3549-17MS  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
ESWF1MS

Quant Time: Jun 18 02:41:35 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jun 18 02:40:54 2018  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.102 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.01 min

Lab File: VR025328.D

Acq: 16 Jun 2018 17:32

Instrument :

MSVOA\_R

ClientSampleId :

ESWF1MS

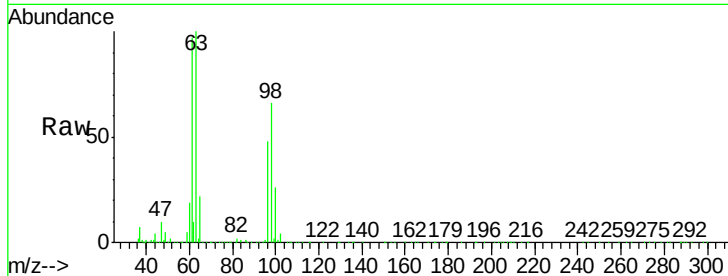
Tgt Ion: 96 Resp: 89181

Ion Ratio Lower Upper

96 100

61 205.1 155.0 287.9

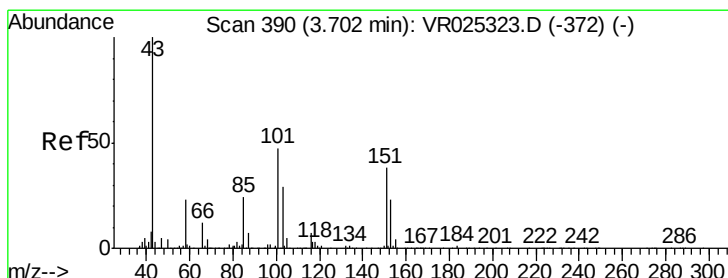
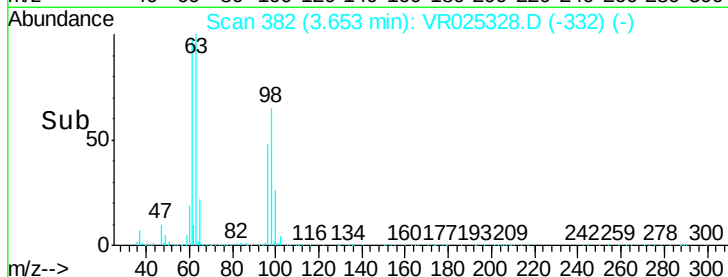
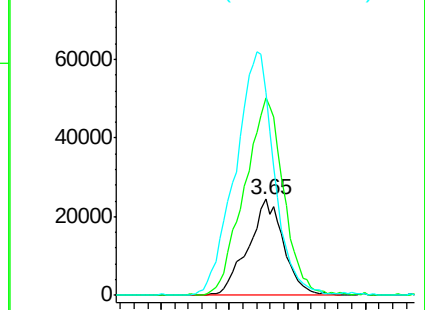
63 210.5 122.3 227.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 4.940 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

Lab File: VR025328.D

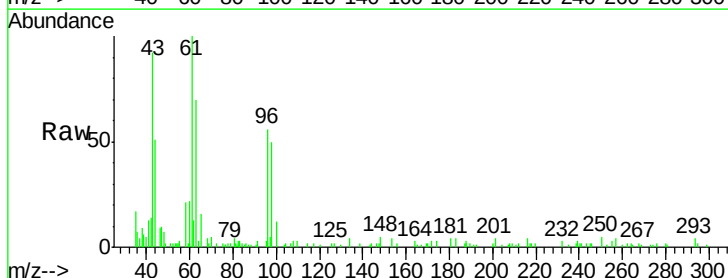
Acq: 16 Jun 2018 17:32

Tgt Ion: 43 Resp: 12599

Ion Ratio Lower Upper

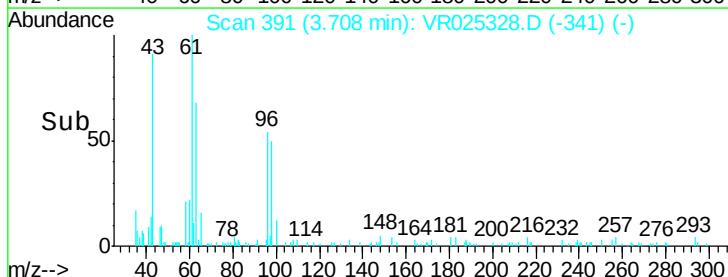
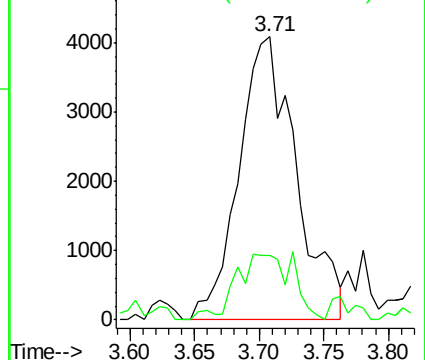
43 100

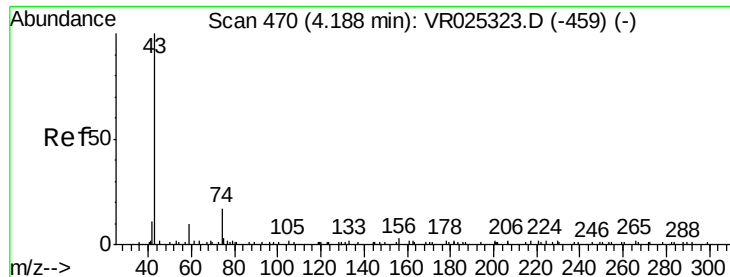
58 23.2 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

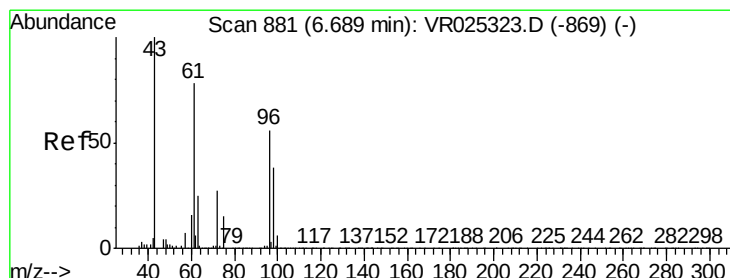
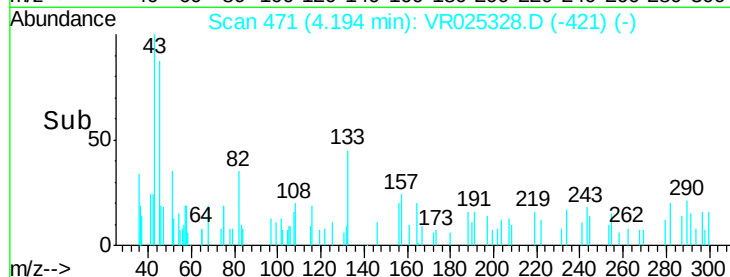
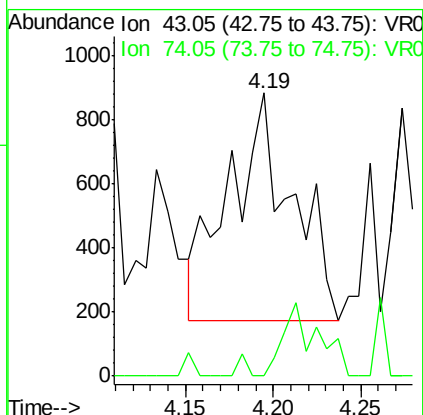
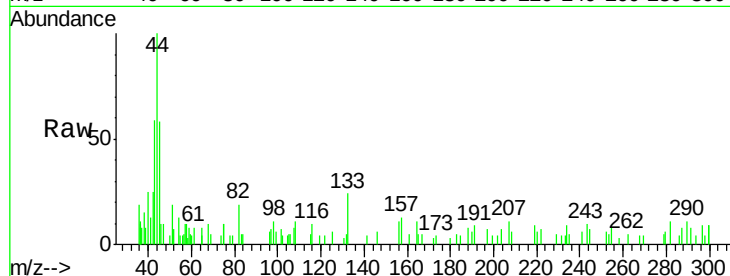




#15  
Methyl Acetate  
Concen: 0.277 ug/L  
RT: 4.19 min Scan# 471  
Delta R.T. 0.01 min  
Lab File: VR025328.D  
Acq: 16 Jun 2018 17:32

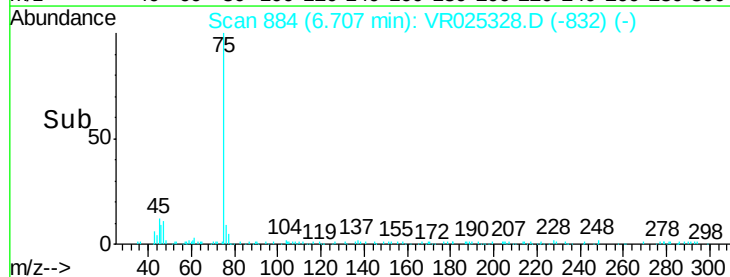
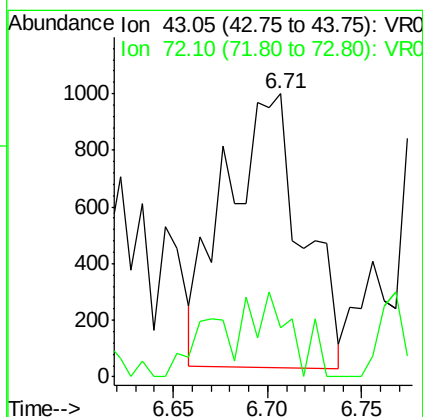
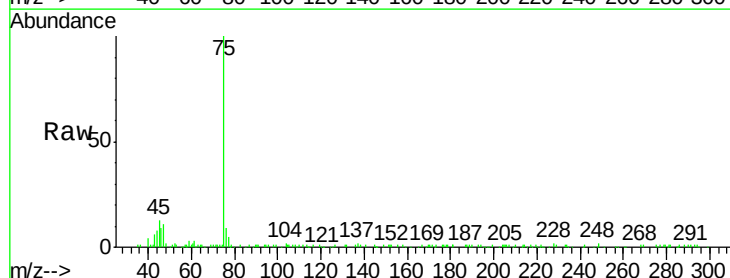
Instrument :  
MSVOA\_R  
ClientSampleId :  
ESWF1MS

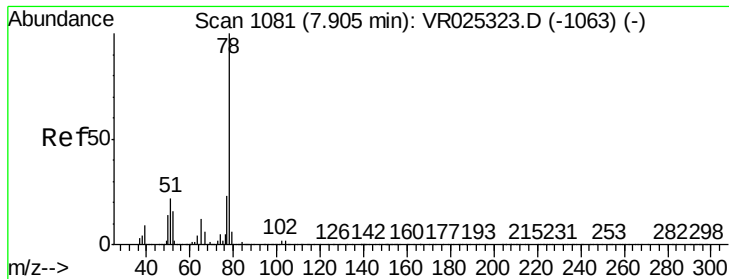
Tgt Ion: 43 Resp: 1779  
Ion Ratio Lower Upper  
43 100  
74 1.4 16.7 25.1#



#21  
2-Butanone  
Concen: 0.451 ug/L  
RT: 6.71 min Scan# 884  
Delta R.T. 0.02 min  
Lab File: VR025328.D  
Acq: 16 Jun 2018 17:32

Tgt Ion: 43 Resp: 2717  
Ion Ratio Lower Upper  
43 100  
72 17.5 13.0 38.9





#33

Benzene

Concen: 4.278 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025328.D

Acq: 16 Jun 2018 17:32

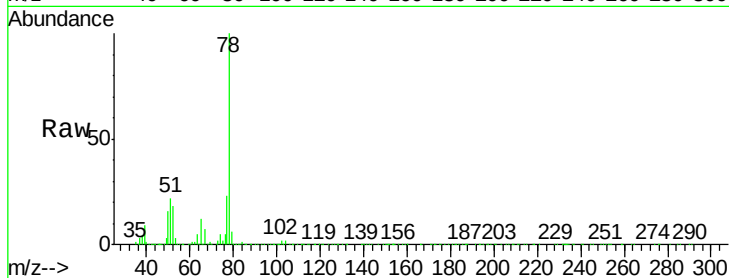
Instrument :

MSVOA\_R

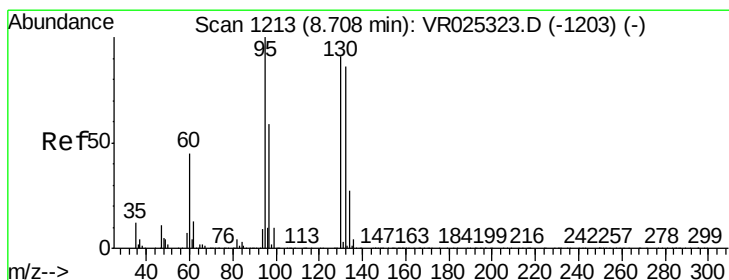
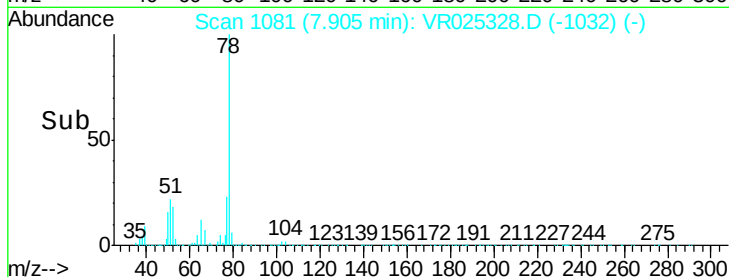
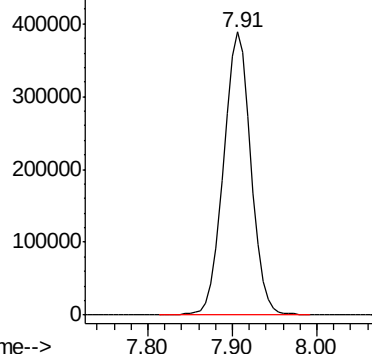
ClientSampleId :

ESWF1MS

Tgt Ion: 78 Resp: 863096



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 4.287 ug/L

RT: 8.71 min Scan# 1213

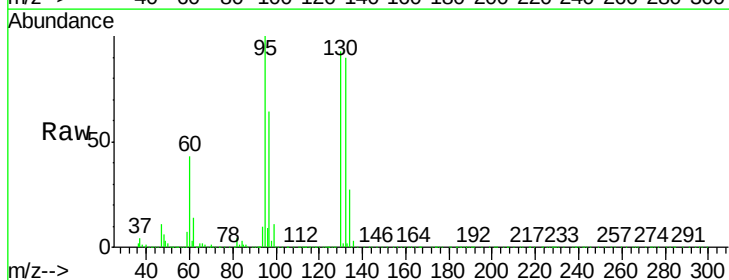
Delta R.T. 0.00 min

Lab File: VR025328.D

Acq: 16 Jun 2018 17:32

Tgt Ion: 95 Resp: 209239

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.0  | 45.6  | 84.6  |
| 132 | 89.5  | 60.9  | 113.1 |
| 130 | 93.3  | 62.0  | 115.2 |

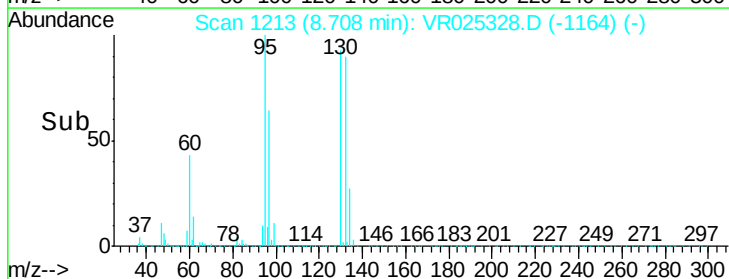
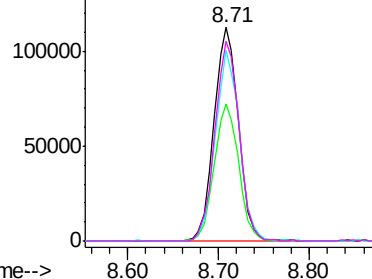


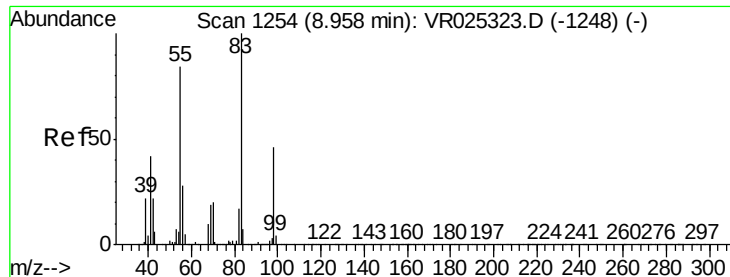
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

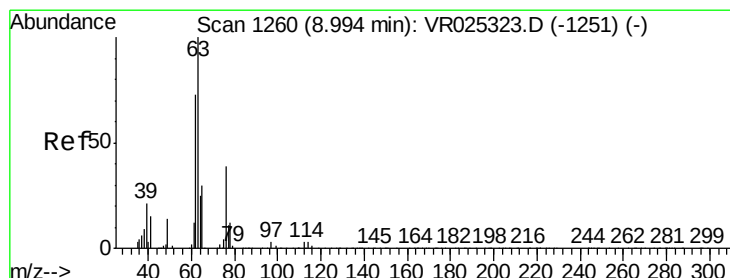
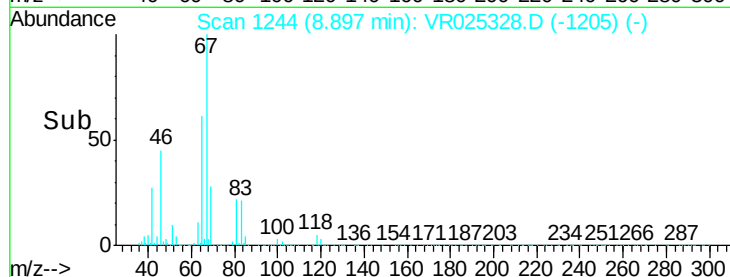
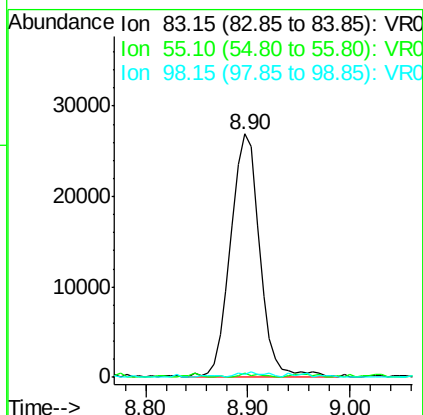
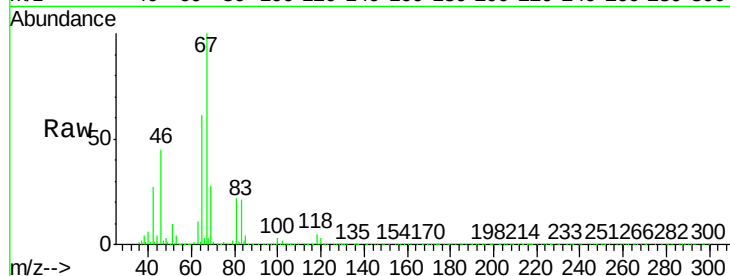




#35  
Methylcyclohexane  
Concen: 0.693 ug/L  
RT: 8.90 min Scan# 1244  
Delta R.T. -0.06 min  
Lab File: VR025328.D  
Acq: 16 Jun 2018 17:32

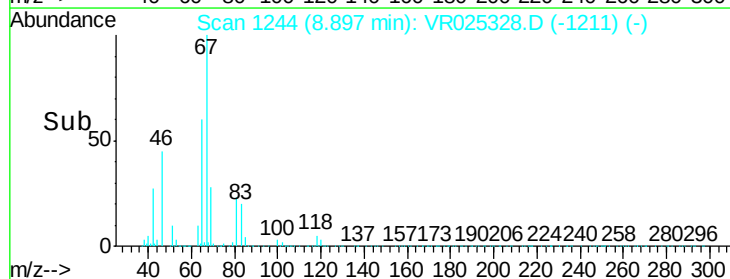
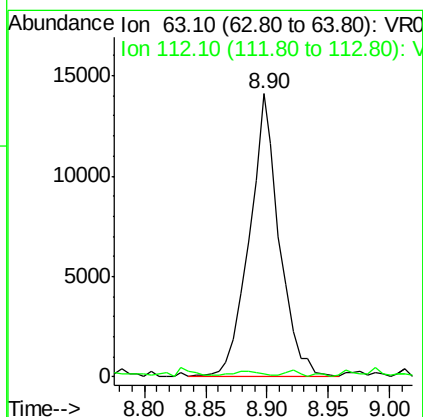
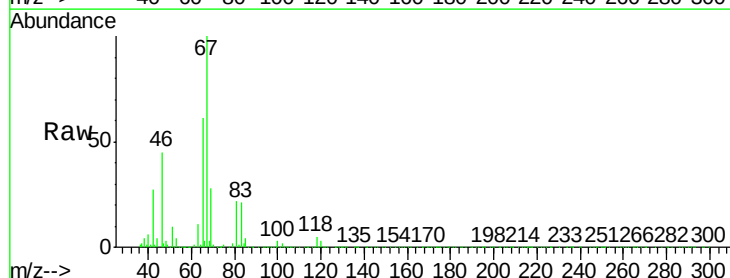
Instrument :  
MSVOA\_R  
ClientSampleId :  
ESWF1MS

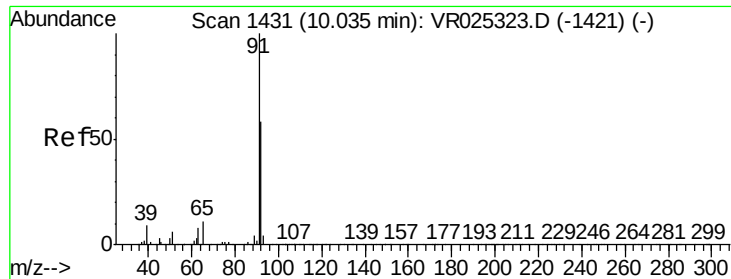
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 1.1   | 66.1  | 99.1# |
| 98      | 2.7   | 36.2  | 54.4# |



#37  
1,2-Dichloropropane  
Concen: 0.535 ug/L  
RT: 8.90 min Scan# 1244  
Delta R.T. -0.10 min  
Lab File: VR025328.D  
Acq: 16 Jun 2018 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 1.4   | 2.9   | 4.3#  |





#42

Toluene

Concen: 5.059 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025328.D

Acq: 16 Jun 2018 17:32

Instrument :

MSVOA\_R

ClientSampleId :

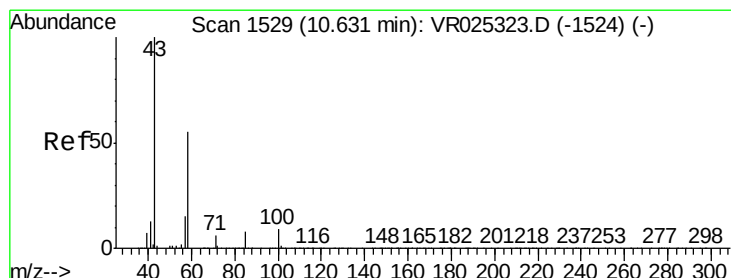
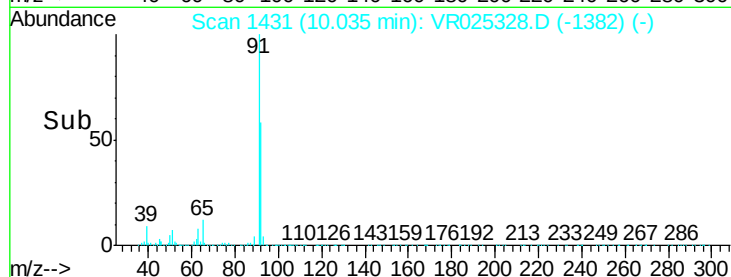
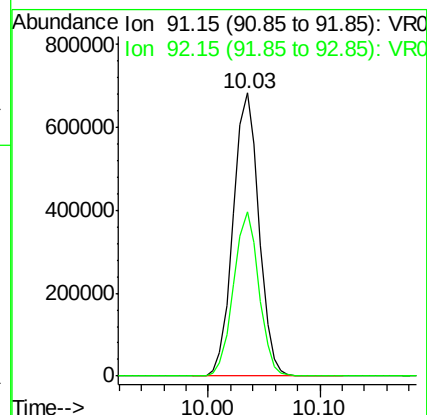
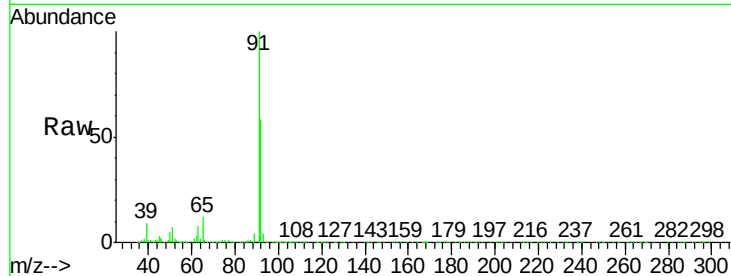
ESWF1MS

Tgt Ion: 91 Resp: 1093621

Ion Ratio Lower Upper

91 100

92 58.1 41.9 77.7



#48

2-Hexanone

Concen: 3.040 ug/L

RT: 10.59 min Scan# 1522

Delta R.T. -0.04 min

Lab File: VR025328.D

Acq: 16 Jun 2018 17:32

Tgt Ion: 43 Resp: 28128

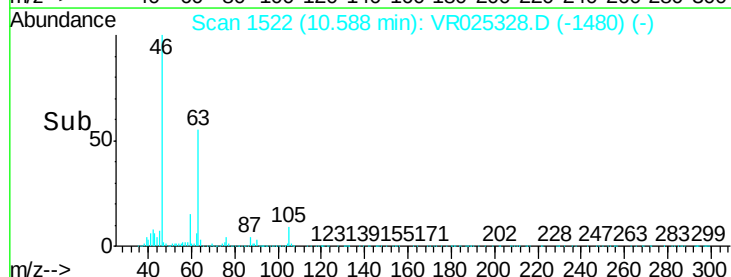
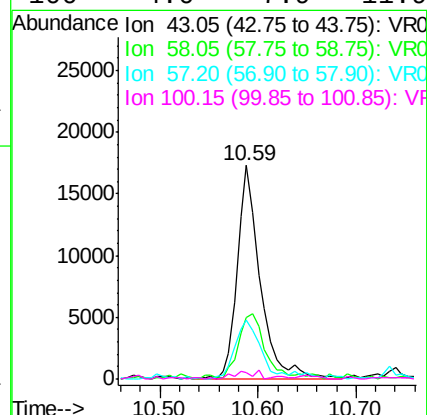
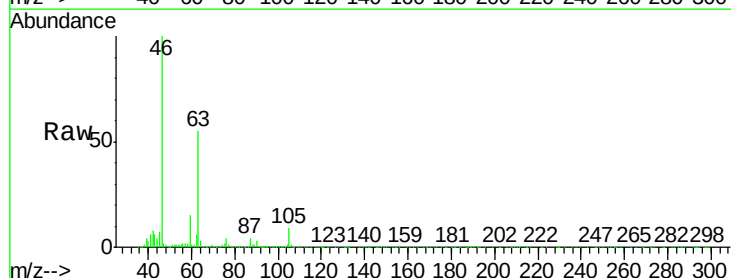
Ion Ratio Lower Upper

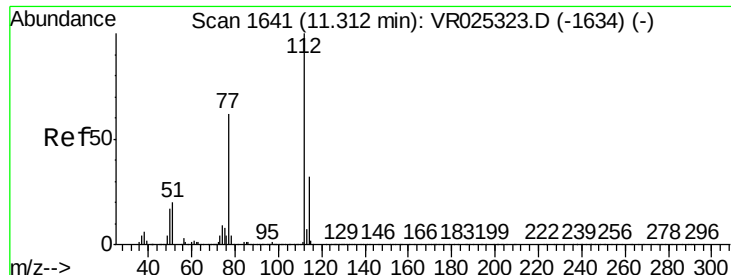
43 100

58 35.6 43.1 64.7#

57 30.7 15.3 22.9#

100 4.0 7.9 11.9#





#51  
Chlorobenzene  
Concen: 4.486 ug/L  
RT: 11.31 min Scan# 1641  
Delta R.T. 0.00 min  
Lab File: VR025328.D  
Acq: 16 Jun 2018 17:32

Instrument :  
MSVOA\_R  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.5  | 21.6  | 40.0  |
| 77      | 63.7  | 51.9  | 77.9  |

