

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070318\  
 Data File : VW003701.D  
 Acq On : 03 Jul 2018 16:17  
 Operator : SY/AP  
 Sample : J3813-01  
 Misc : 5.14G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 I2-60-SRI3

Quant Time: Jul 04 00:05:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070218S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 03 08:55:34 2018  
 Response via : Initial Calibration

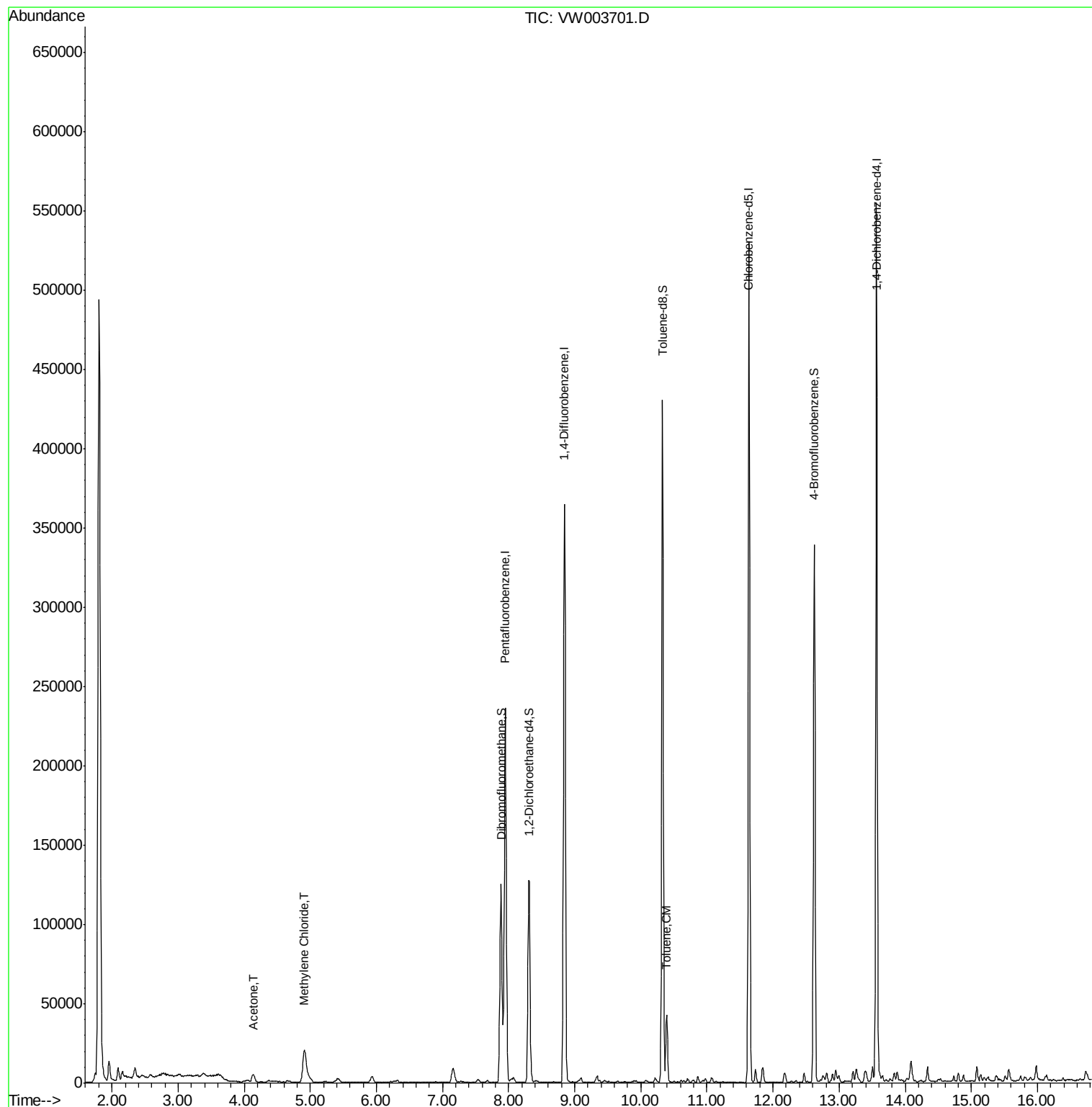
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 168373   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 291394   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 277780   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 137289   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 102092   | 50.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.72% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 85340    | 44.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.80%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 277308   | 37.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 74.34%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 101010   | 37.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.38%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 9543     | 19.916 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.91  | 84   | 19179    | 7.620  | ug/l    | 91       |
| 52) Toluene                 | 10.39 | 92   | 17196    | 3.352  | ug/l    | 99       |

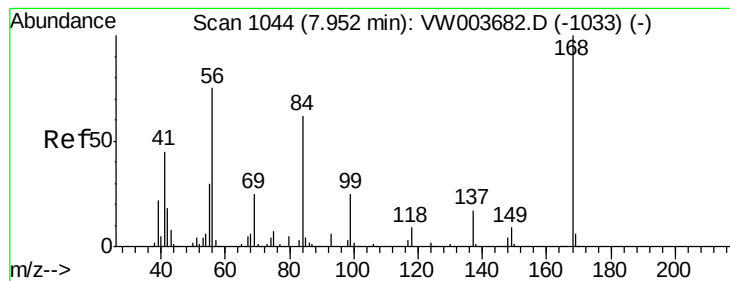
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070318\  
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Sample : J3813-01  
Misc : 5.14G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
I2-60-SRI3

Quant Time: Jul 04 00:05:01 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070218S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 03 08:55:34 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA\_W

ClientSampleId :

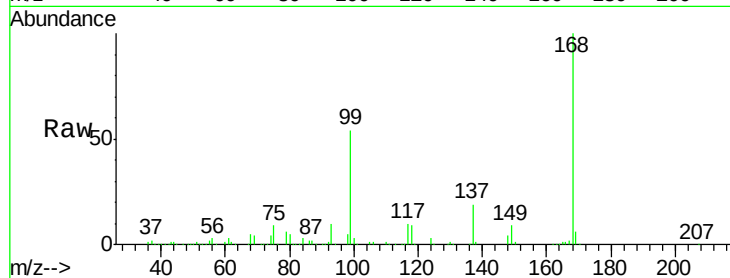
I2-60-SRI3

Tot Ion:168 Resp: 168373

Ion Ratio Lower Upper

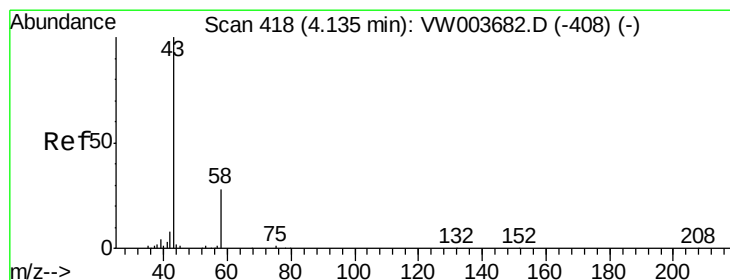
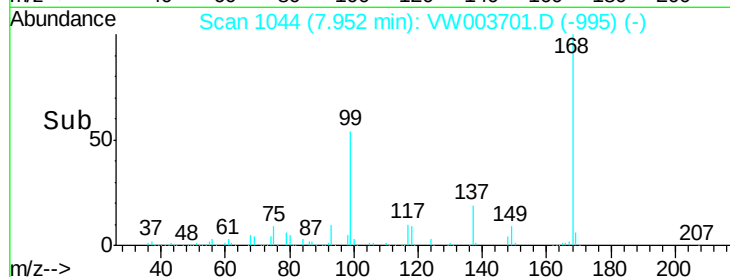
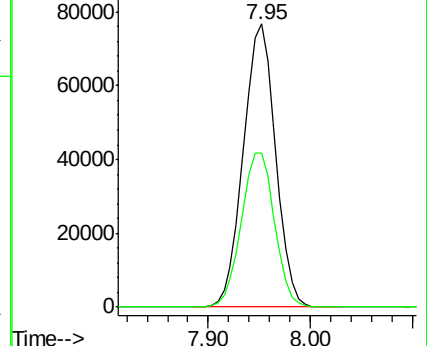
168 100

99 54.3 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 19.916 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003701.D

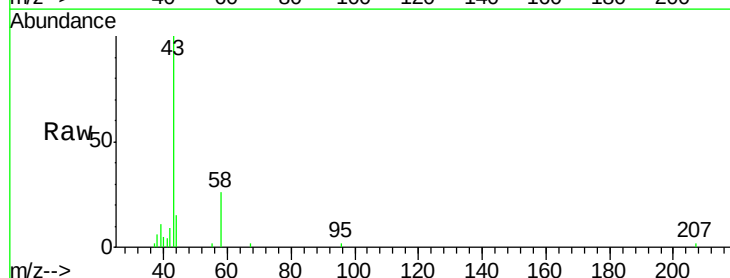
Acq: 03 Jul 2018 16:17

Tgt Ion: 43 Resp: 9543

Ion Ratio Lower Upper

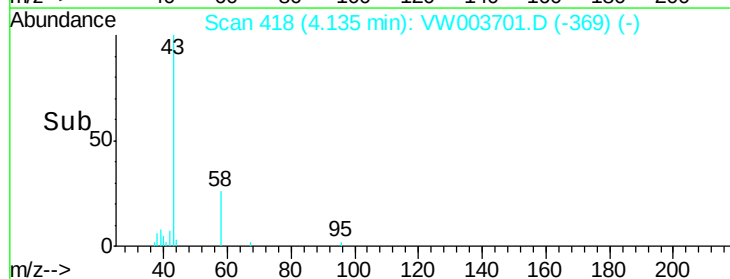
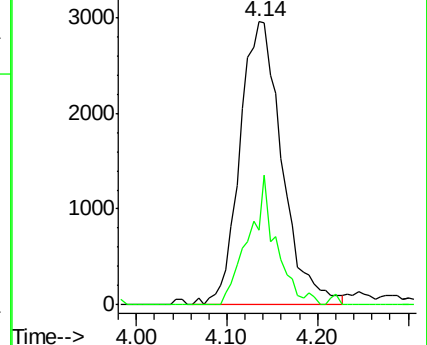
43 100

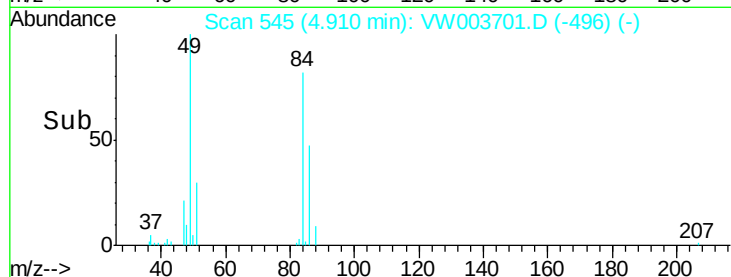
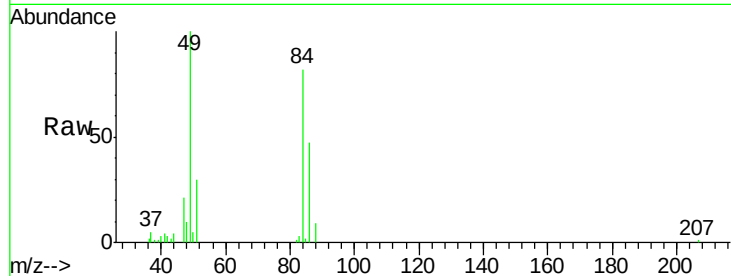
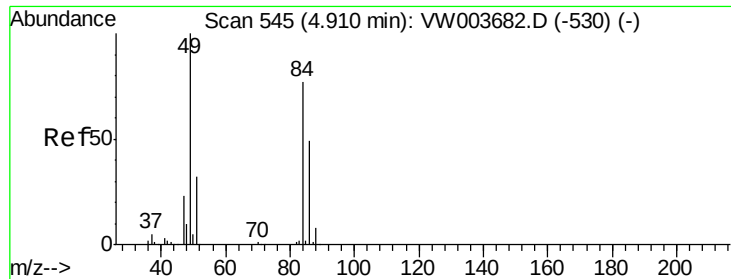
58 26.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

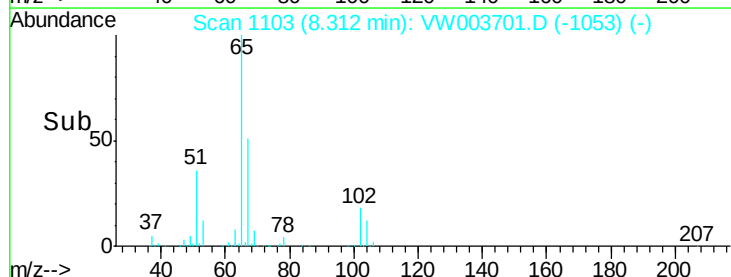
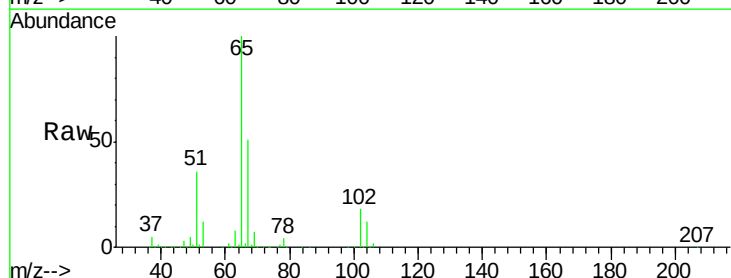
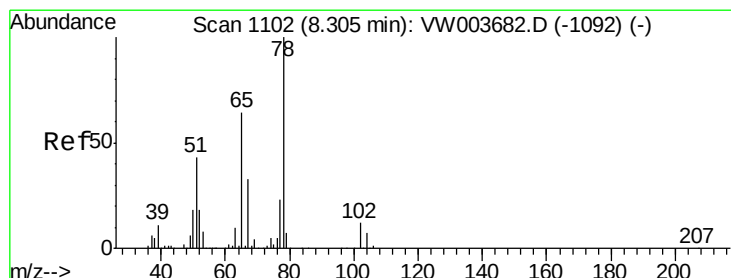
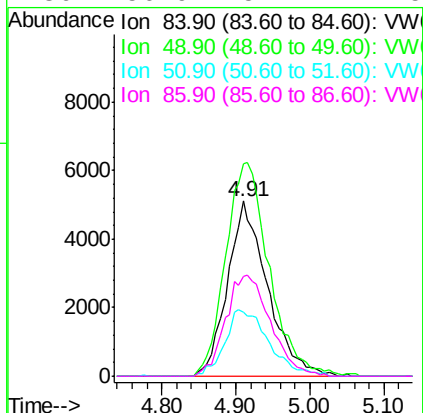




#20  
Methylene Chloride  
Concen: 7.620 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW003701.D  
Acq: 03 Jul 2018 16:17

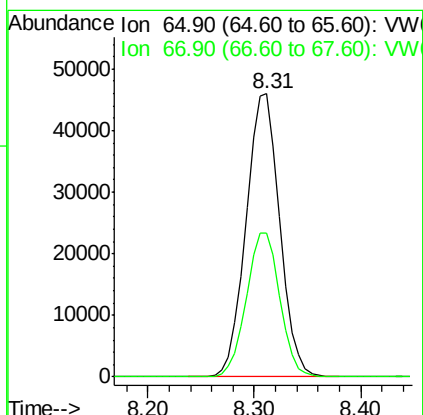
Instrument :  
MSVOA\_W  
ClientSampleId :  
I2-60-SRI3

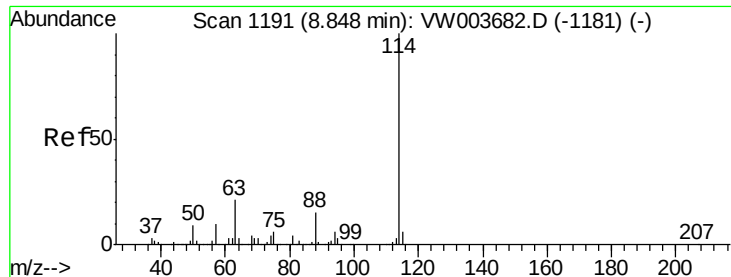
Tot Ion: 84 Resp: 19179  
Ion Ratio Lower Upper  
84 100  
49 121.4 104.6 156.8  
51 36.3 33.2 49.8  
86 56.9 51.7 77.5



#33  
1,2-Dichloroethane-d4  
Concen: 50.859 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. 0.01 min  
Lab File: VW003701.D  
Acq: 03 Jul 2018 16:17

Tgt Ion: 65 Resp: 102092  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 104.0

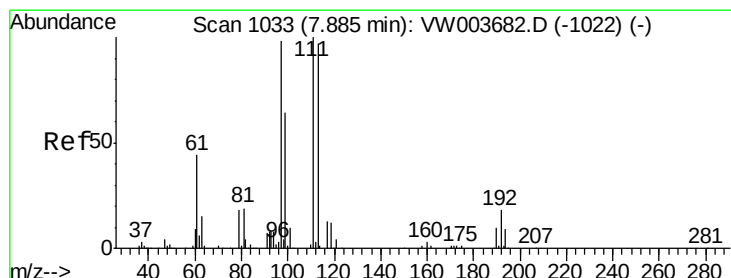
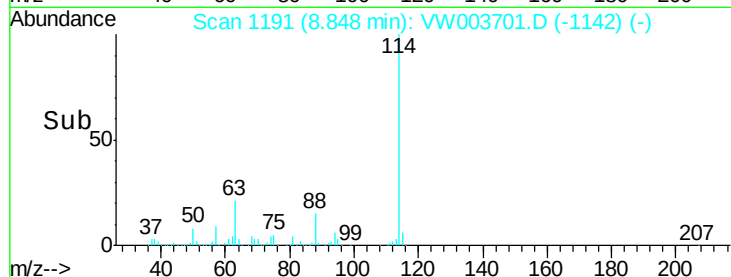
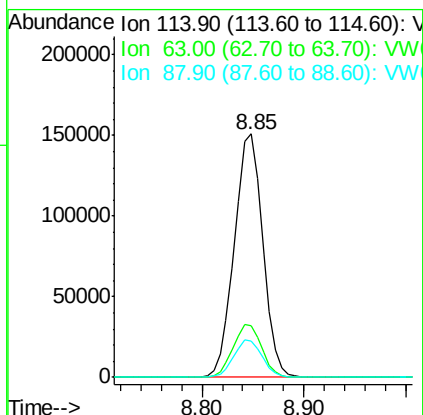
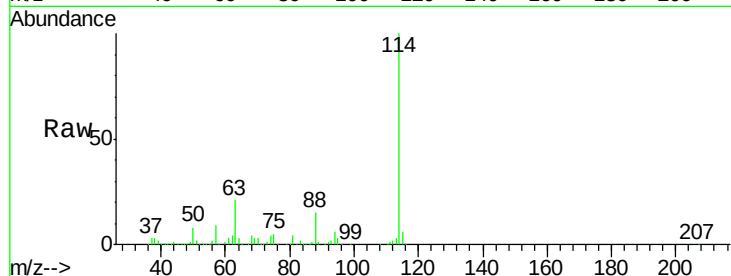




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW003701.D  
 Acq: 03 Jul 2018 16:17

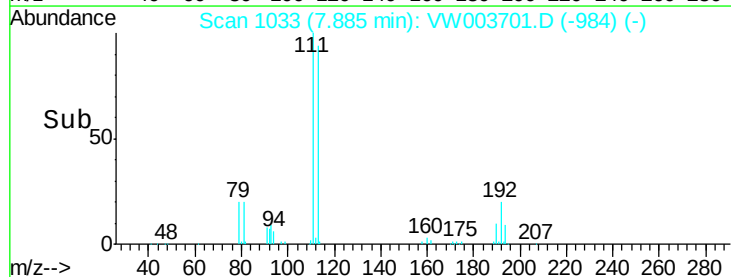
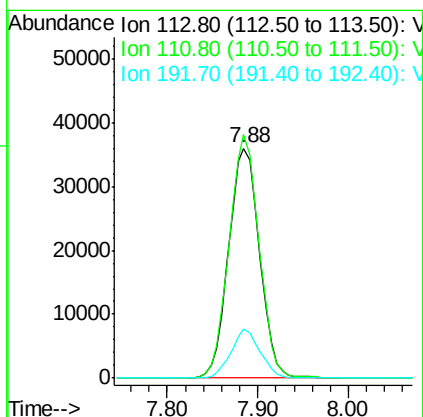
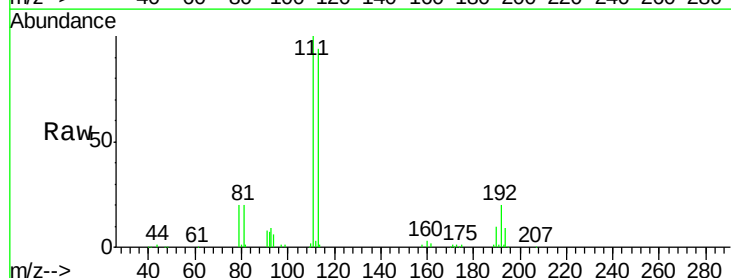
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 I2-60-SRI3

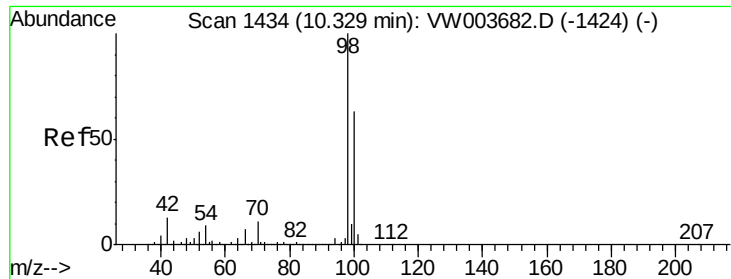
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.4  | 0.0   | 41.6  |
| 88      | 15.0  | 0.0   | 29.8  |



#35  
 Dibromofluoromethane  
 Concen: 44.904 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW003701.D  
 Acq: 03 Jul 2018 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.4  | 123.6 |
| 192     | 20.0  | 15.8  | 23.6  |

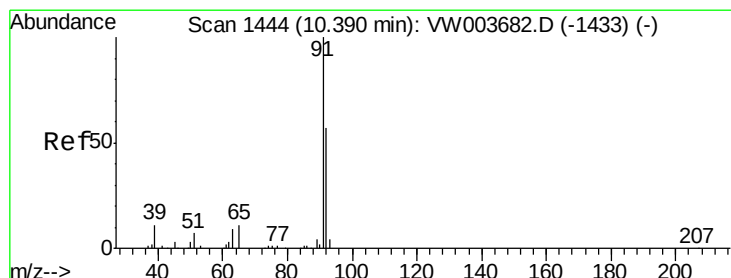
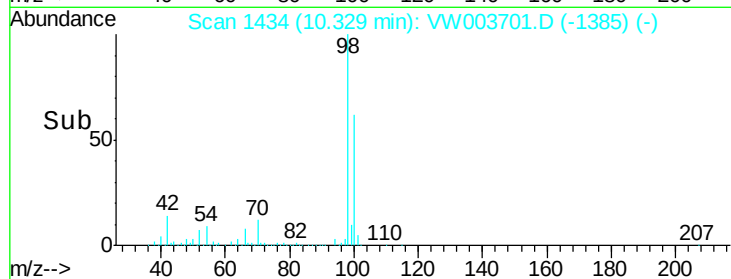
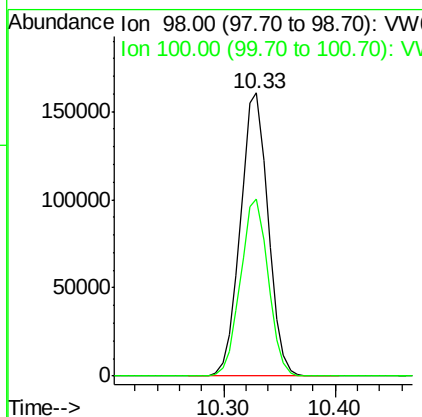
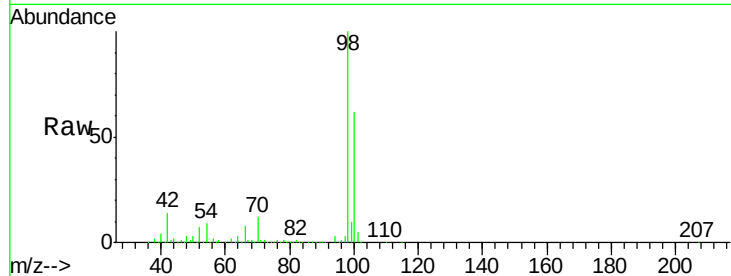




#50  
Toluene-d8  
Concen: 37.169 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VW003701.D  
Acq: 03 Jul 2018 16:17

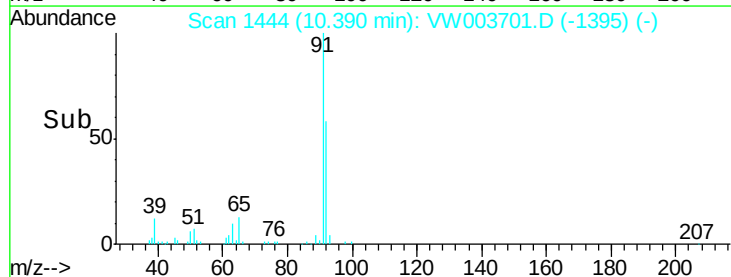
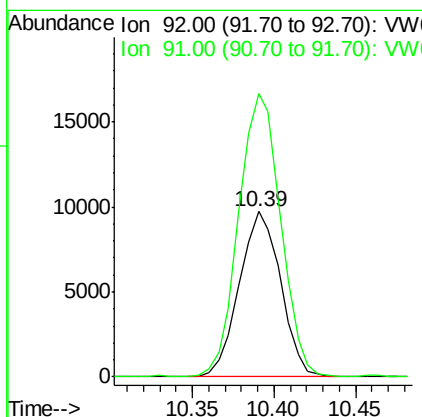
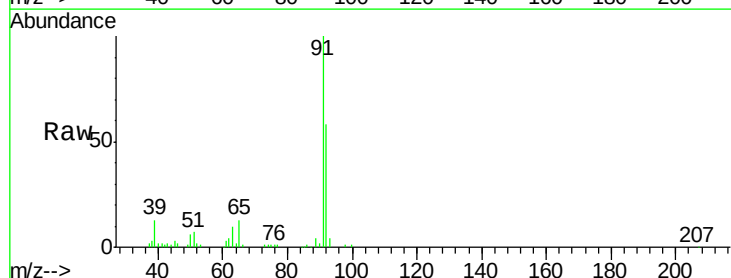
Instrument :  
MSVOA\_W  
ClientSampled :  
12-60-SRI3

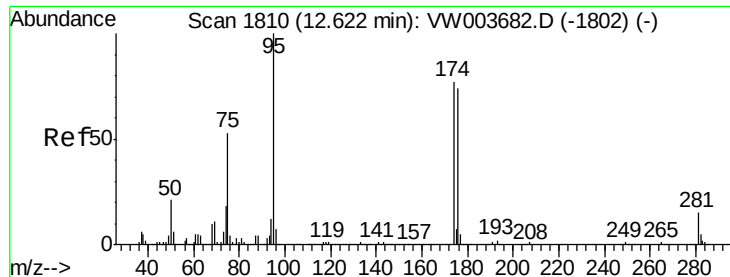
Tot Ion: 98 Resp: 277308  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.8 76.2



#52  
Toluene  
Concen: 3.352 ug/l  
RT: 10.39 min Scan# 1444  
Delta R.T. 0.00 min  
Lab File: VW003701.D  
Acq: 03 Jul 2018 16:17

Tgt Ion: 92 Resp: 17196  
Ion Ratio Lower Upper  
92 100  
91 173.8 140.2 210.2

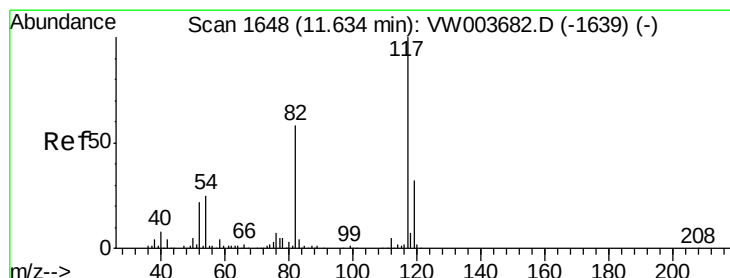
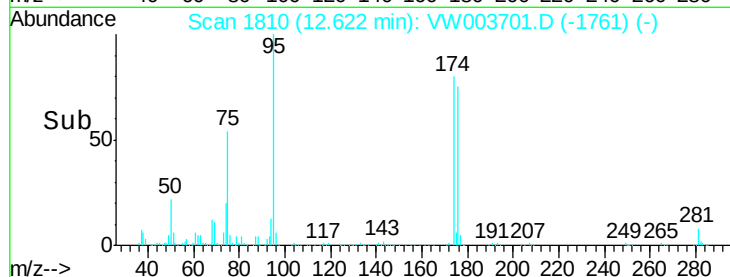
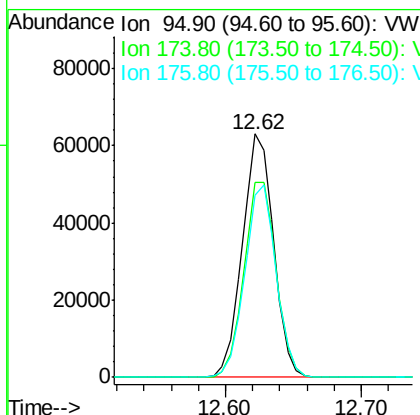
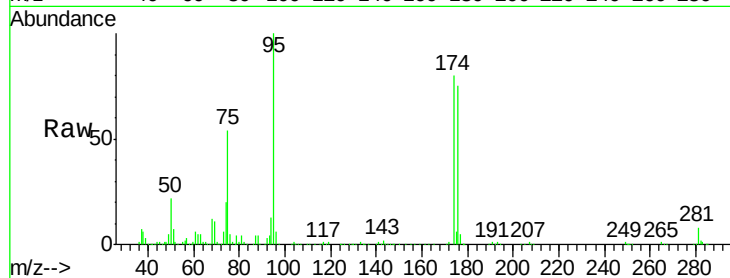




#62  
4-Bromofluorobenzene  
Concen: 37.686 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VW003701.D  
Acq: 03 Jul 2018 16:17

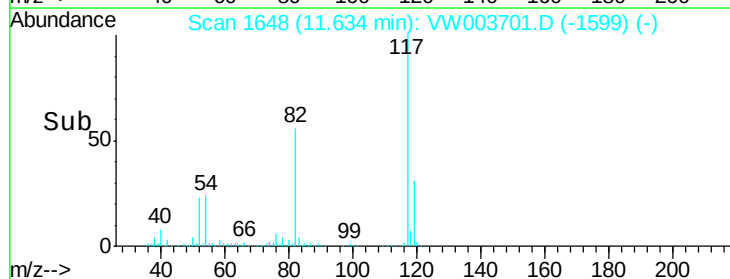
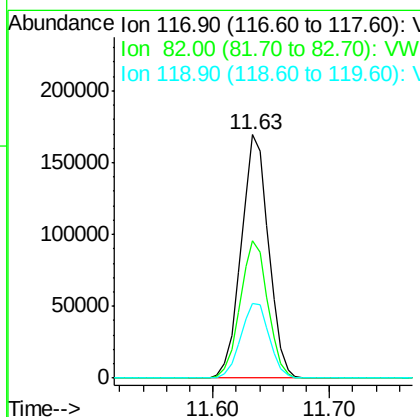
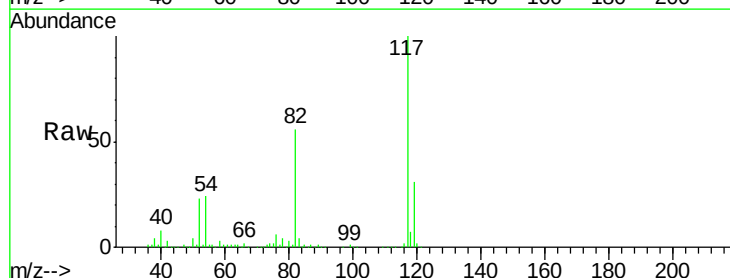
Instrument :  
MSVOA\_W  
ClientSampleId :  
12-60-SRI3

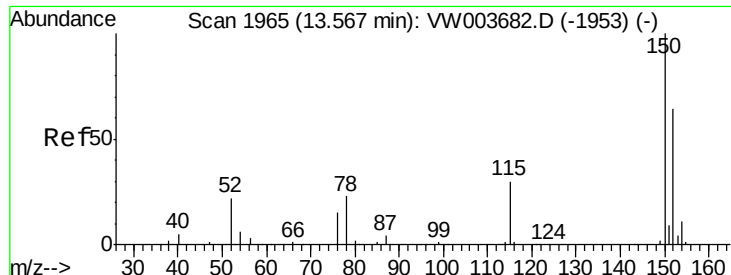
| Tot Ion   | 95   | Resp  | 101010 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 174       | 83.2 | 0.0   | 161.2  |
| 176       | 79.5 | 0.0   | 155.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW003701.D  
Acq: 03 Jul 2018 16:17

| Tgt Ion                                              | 117  | Resp  | 277780 |
|------------------------------------------------------|------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100  | Lower | Upper  |
| 82                                                   | 56.2 | 46.0  | 69.0   |
| 119                                                  | 30.8 | 25.4  | 38.0   |

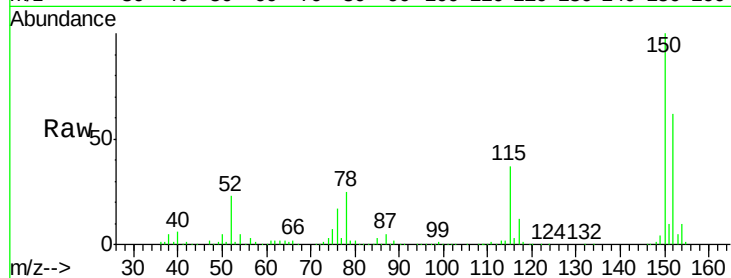




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1965  
 Delta R.T. 0.00 min  
 Lab File: VW003701.D  
 Acq: 03 Jul 2018 16:17

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 12-60-SRI3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.7  | 29.3  | 88.0  |
| 150     | 158.7 | 0.0   | 352.0 |



Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 114.90 (114.60 to 115.60): V  
 Ion 149.90 (149.60 to 150.60): V

