

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\  
 Data File : VW005176.D  
 Acq On : 06 Sep 2018 20:32  
 Operator : SY/AP  
 Sample : J4757-01  
 Misc : 5.57G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WC-BR

Quant Time: Sep 07 01:19:33 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:35:05 2018  
 Response via : Initial Calibration

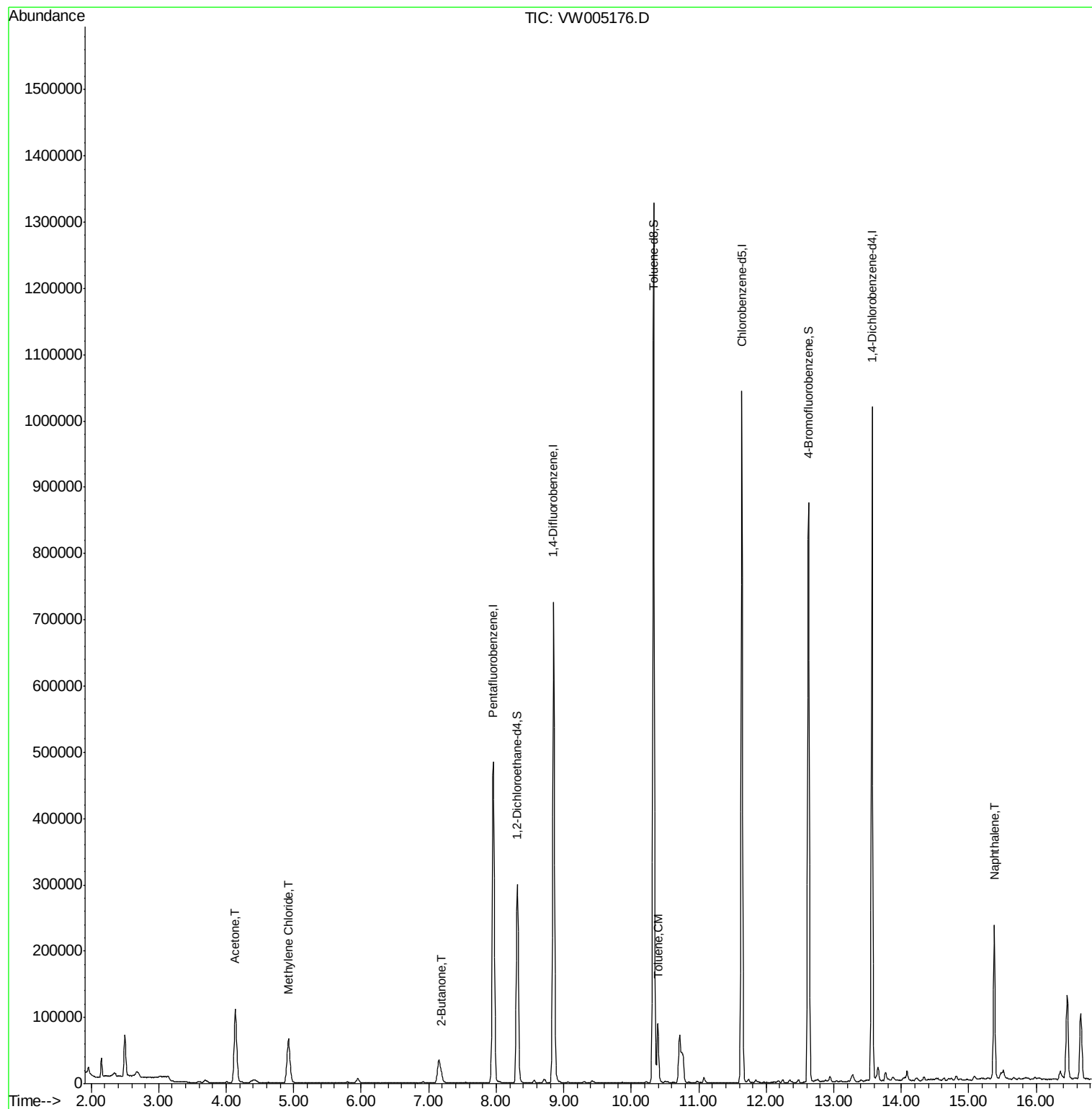
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.96  | 168  | 388539   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 645811   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 627881   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 277863   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 229880   | 71.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 142.74% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 74       | 0.02   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 0.04%   |          |
| 50) Toluene-d8              | 10.33 | 98   | 901900   | 52.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.90% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 284772   | 46.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.92%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 190511   | 294.94 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.92  | 84   | 53882    | 9.17   | ug/l    | 94       |
| 25) 2-Butanone              | 7.19  | 43   | 20220    | 18.05  | ug/l    | 90       |
| 52) Toluene                 | 10.40 | 92   | 40111    | 3.14   | ug/l    | 95       |
| 95) Naphthalene             | 15.38 | 128  | 210892   | 23.35  | ug/l    | 100      |

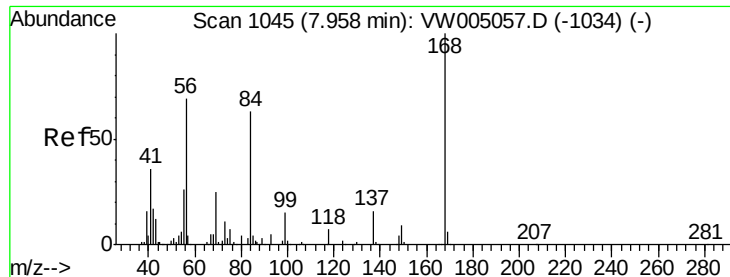
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
WC-BR

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
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QLast Update : Sat Sep 01 03:35:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA\_W

ClientSampled :

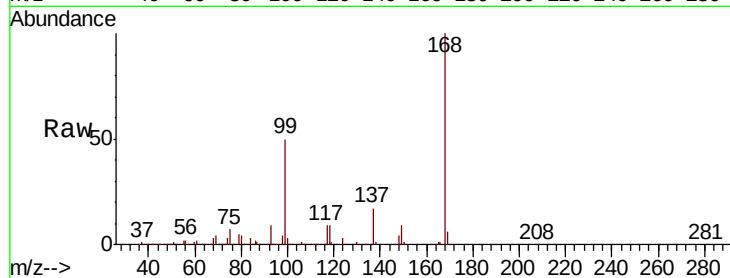
WC-BR

Tot Ion:168 Resp: 388539

Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

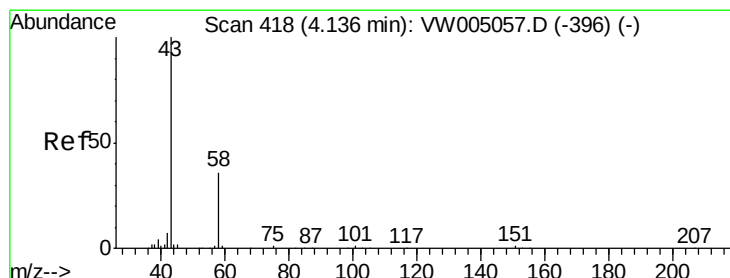
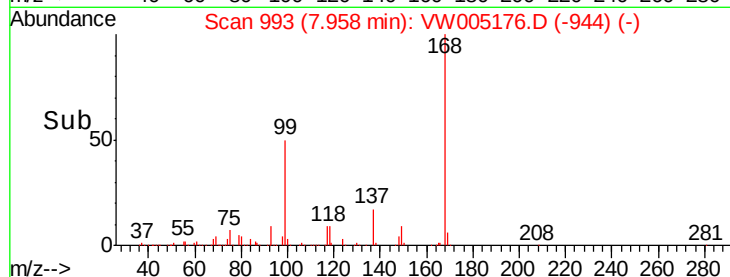
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 294.94 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005176.D

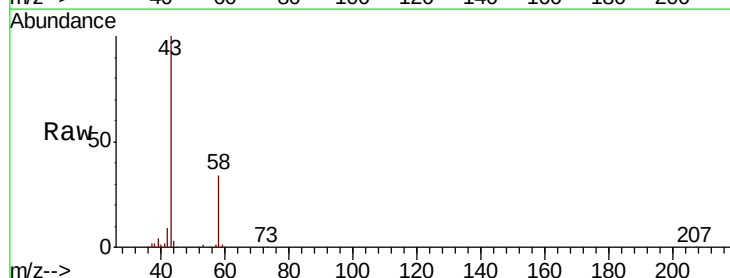
Acq: 06 Sep 2018 20:32

Tgt Ion: 43 Resp: 190511

Ion Ratio Lower Upper

43 100

58 34.1 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

80000

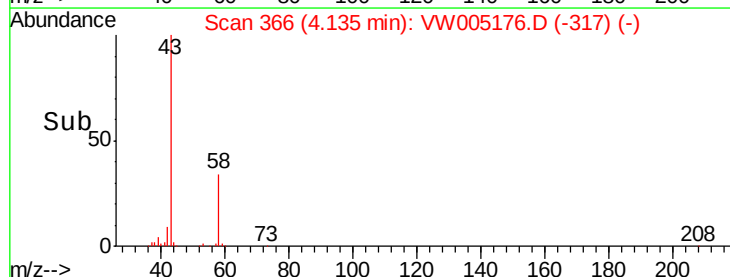
60000

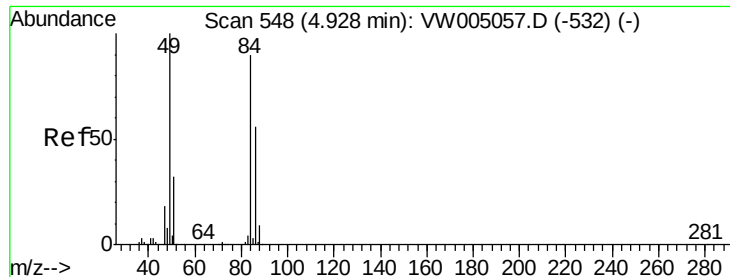
40000

20000

0

Time--> 4.00 4.10 4.20 4.30

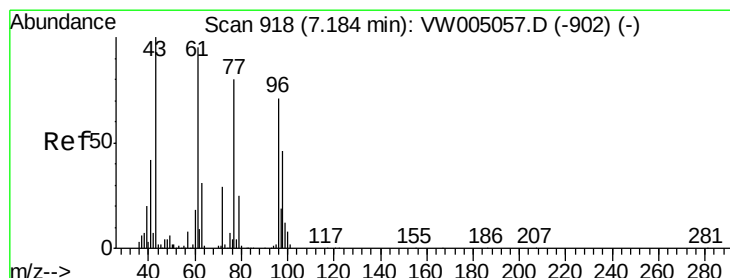
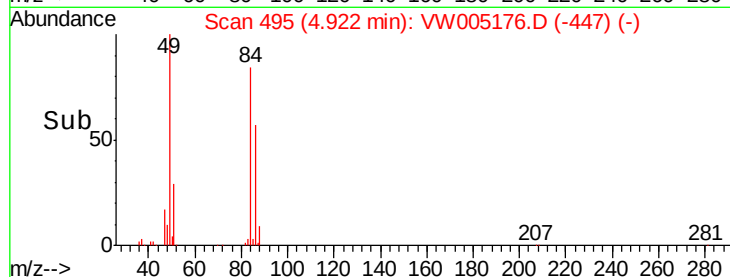
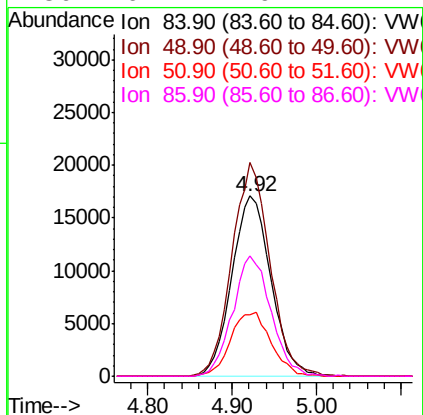
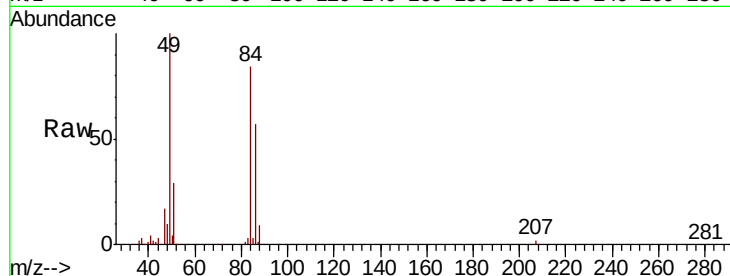




#20  
Methylene Chloride  
Concen: 9.17 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. -0.01 min  
Lab File: VW005176.D  
Acq: 06 Sep 2018 20:32

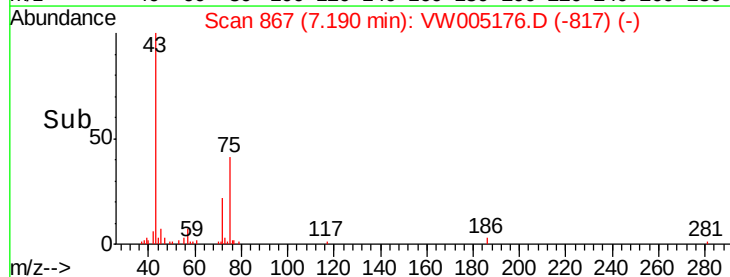
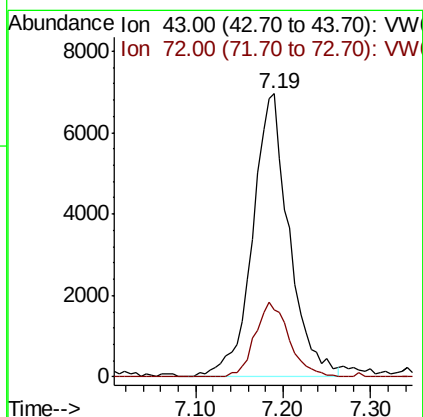
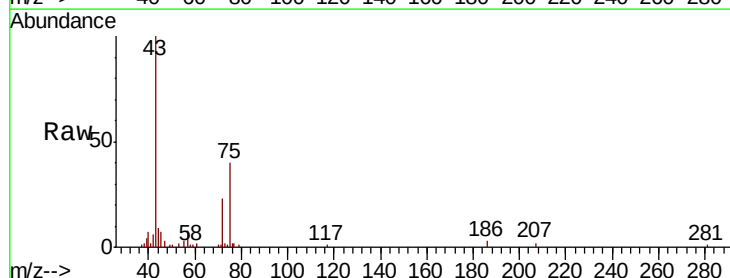
Instrument :  
MSVOA\_W  
ClientSampled :  
WC-BR

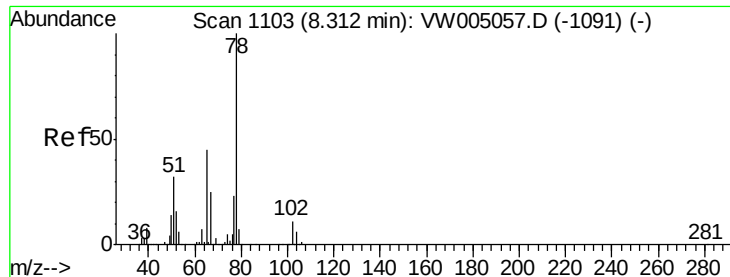
Tot Ion: 84 Resp: 53882  
Ion Ratio Lower Upper  
84 100  
49 118.5 88.7 133.1  
51 33.8 28.6 42.8  
86 67.1 49.4 74.2



#25  
2-Butanone  
Concen: 18.05 ug/l  
RT: 7.19 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VW005176.D  
Acq: 06 Sep 2018 20:32

Tgt Ion: 43 Resp: 20220  
Ion Ratio Lower Upper  
43 100  
72 23.5 23.1 34.7

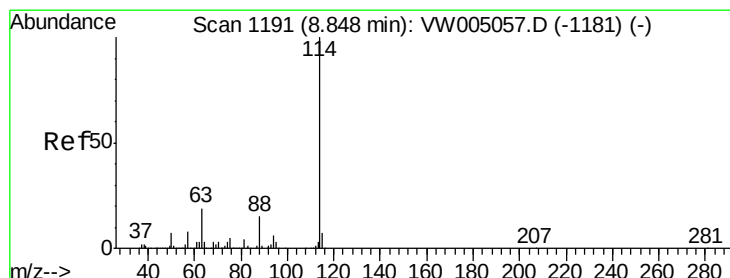
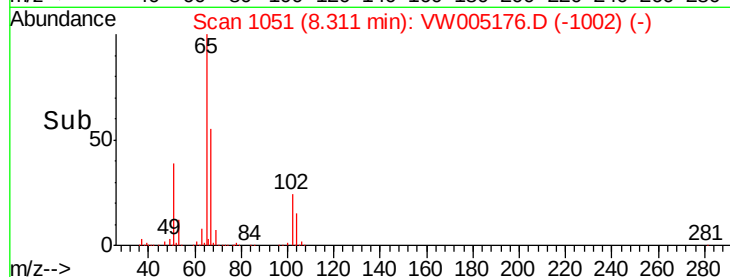
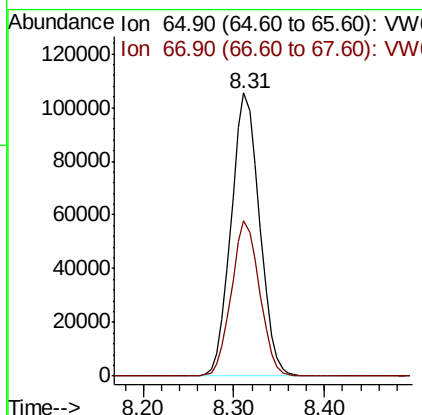
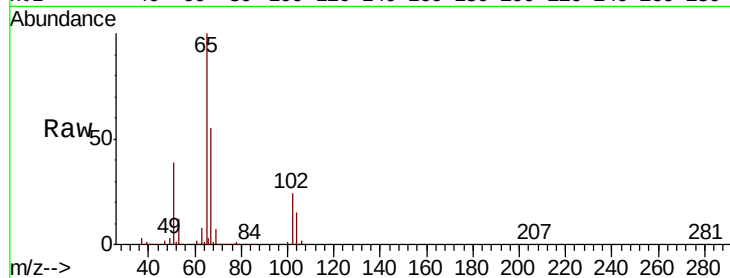




#33  
 1,2-Dichloroethane-d4  
 Concen: 71.37 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW005176.D  
 Acq: 06 Sep 2018 20:32

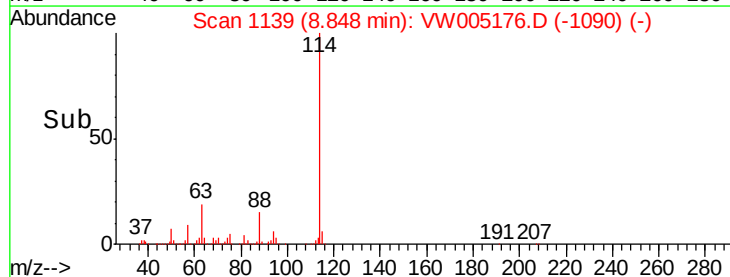
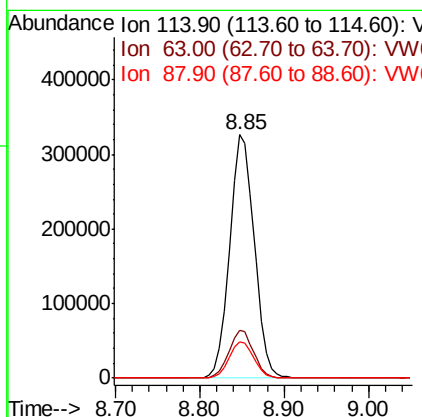
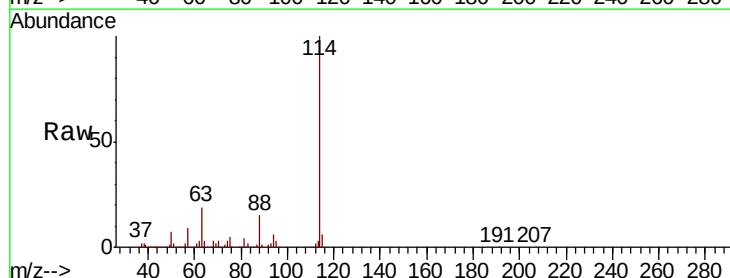
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WC-BR

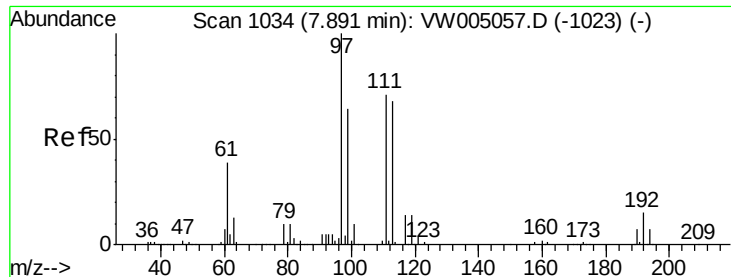
Tot Ion: 65 Resp: 229880  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005176.D  
 Acq: 06 Sep 2018 20:32

Tgt Ion: 114 Resp: 645811  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 38.0  
 88 14.9 0.0 30.2

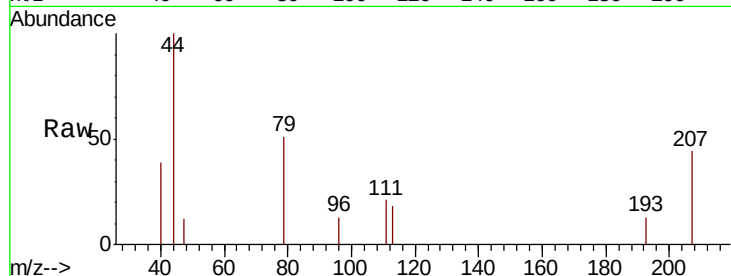




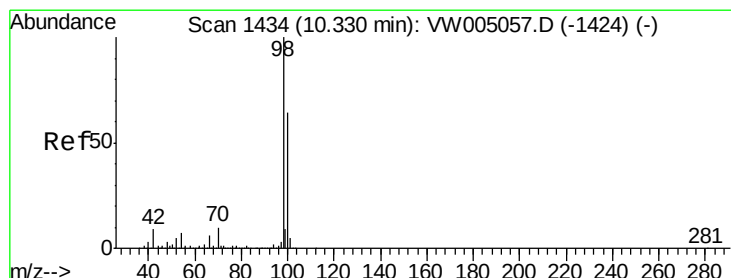
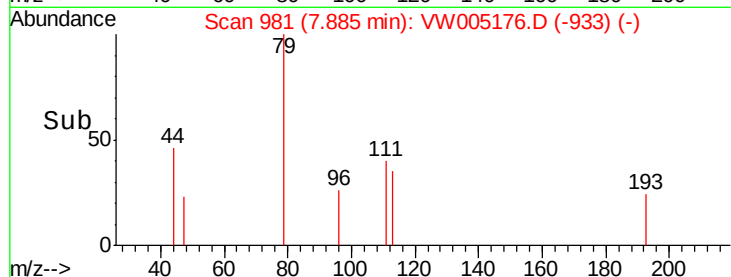
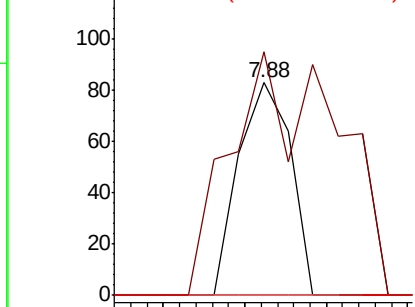
#35  
Dibromofluoromethane  
Concen: 0.02 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: VW005176.D  
Acq: 06 Sep 2018 20:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
WC-BR

Tot Ion:113 Resp: 74  
Ion Ratio Lower Upper  
113 100  
111 127.0 82.2 123.2#  
192 0.0 18.1 27.1#

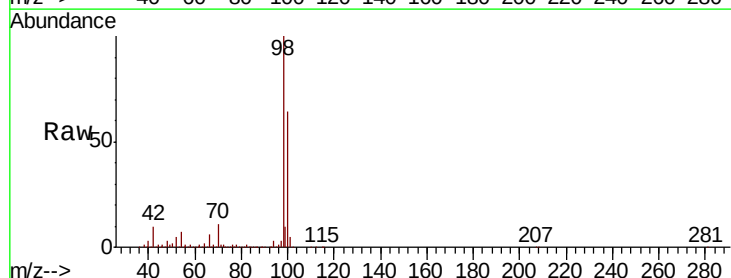


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

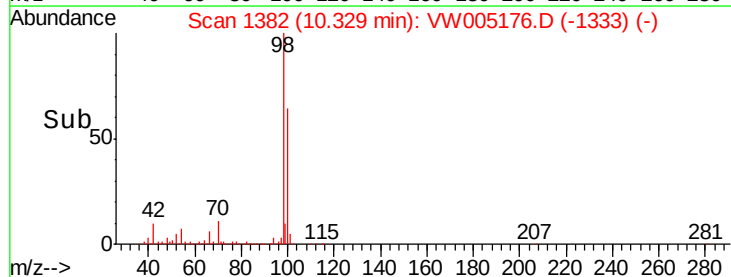
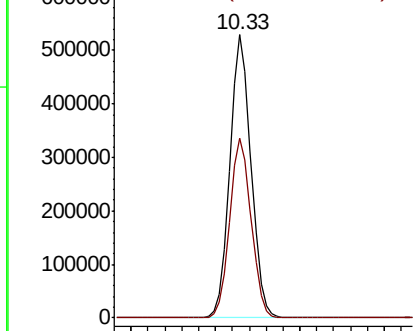


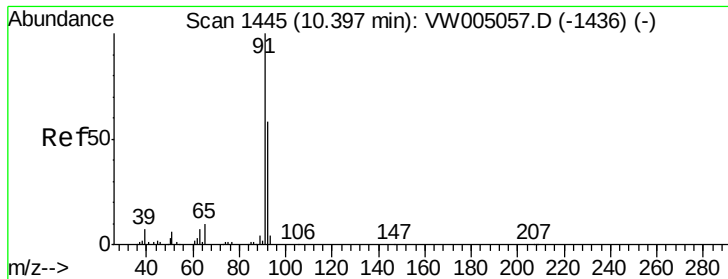
#50  
Toluene-d8  
Concen: 52.45 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW005176.D  
Acq: 06 Sep 2018 20:32

Tgt Ion: 98 Resp: 901900  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.14 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA\_W

ClientSampleId :

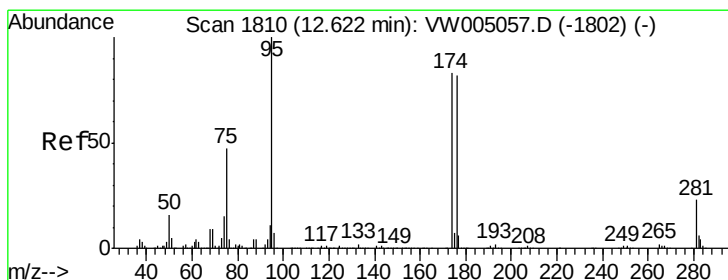
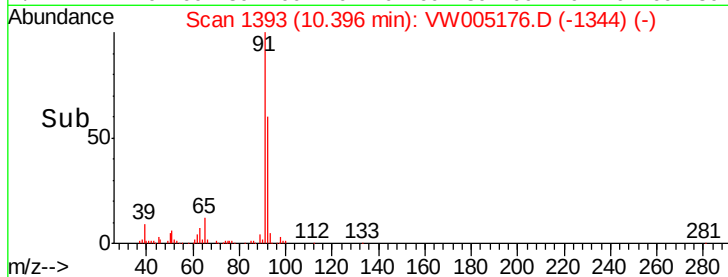
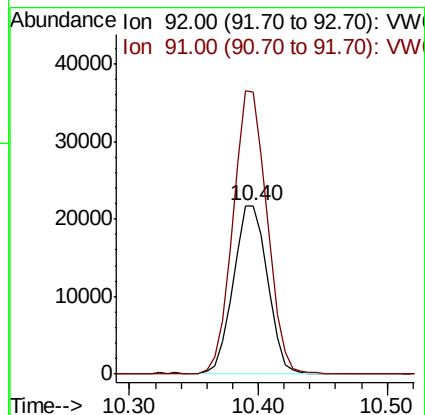
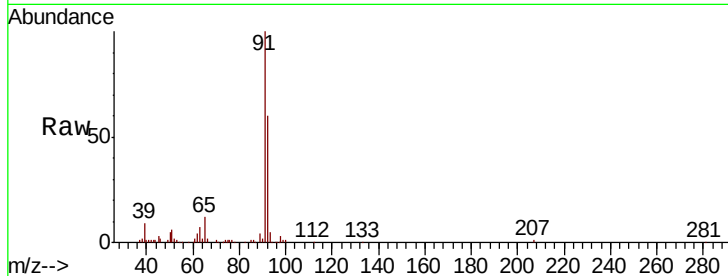
WC-BR

Tot Ion: 92 Resp: 40111

Ion Ratio Lower Upper

92 100

91 167.7 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 46.96 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

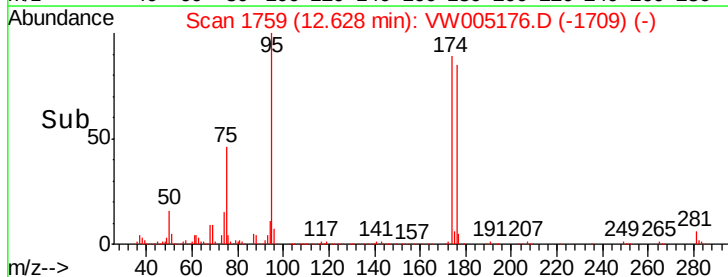
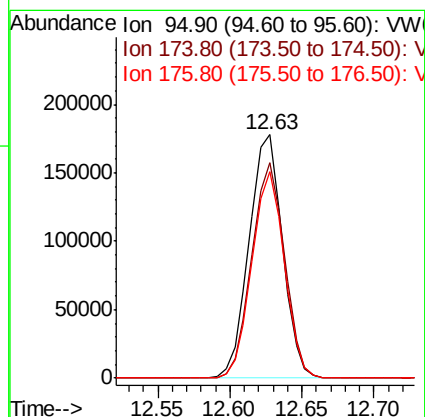
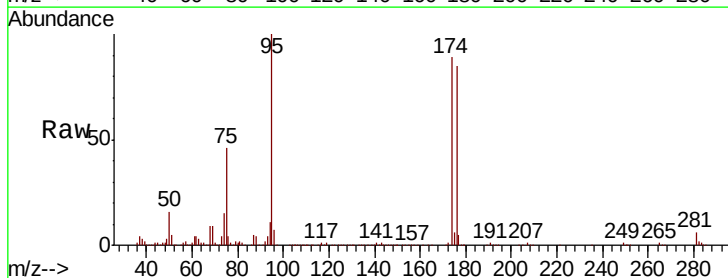
Tgt Ion: 95 Resp: 284772

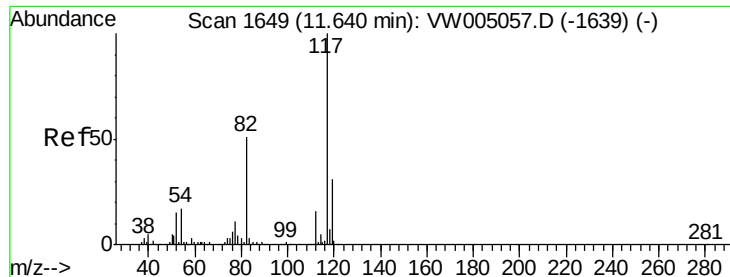
Ion Ratio Lower Upper

95 100

174 86.9 0.0 173.4

176 82.3 0.0 167.4

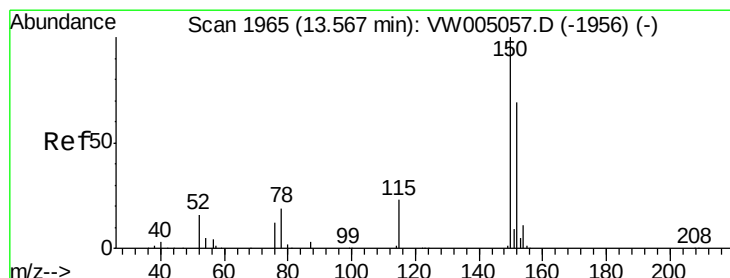
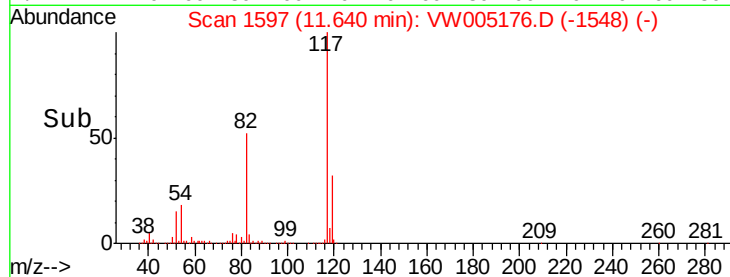
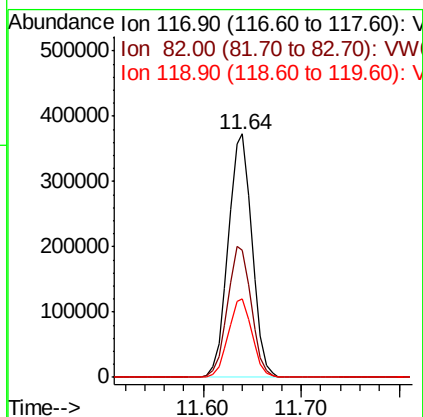
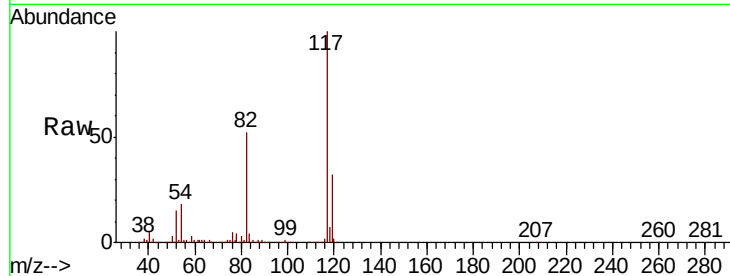




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VW005176.D  
Acq: 06 Sep 2018 20:32

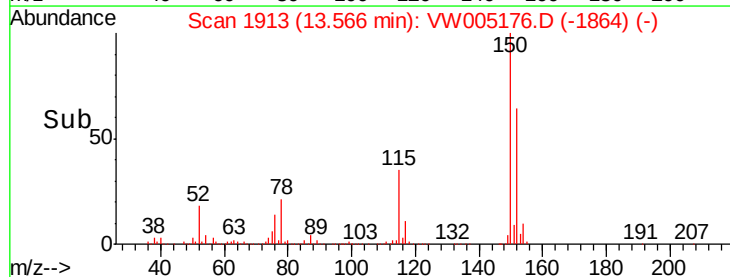
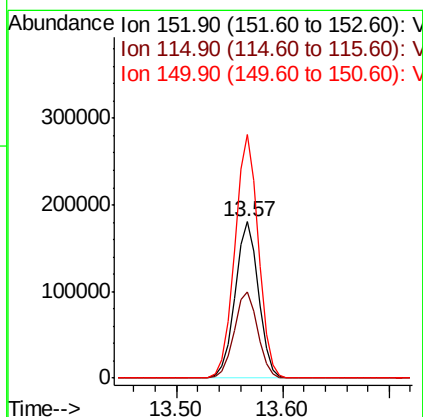
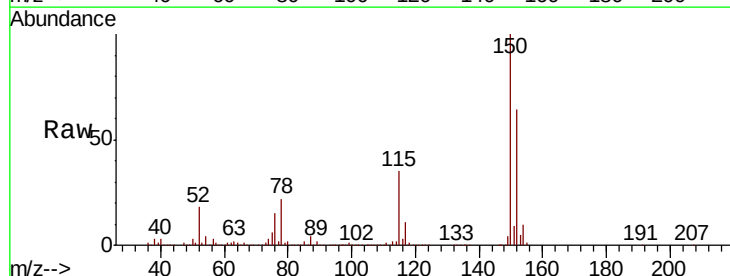
Instrument :  
MSVOA\_W  
ClientSampleId :  
WC-BR

Tot Ion:117 Resp: 627881  
Ion Ratio Lower Upper  
117 100  
82 52.1 40.9 61.3  
119 32.3 24.9 37.3

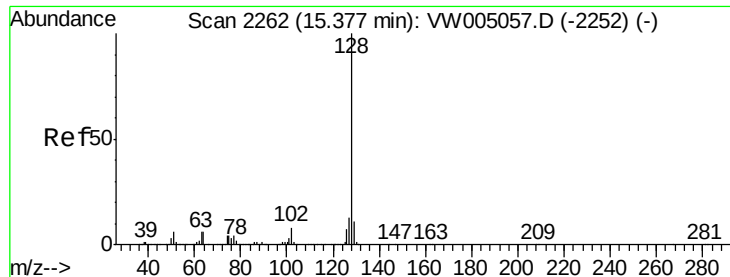


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW005176.D  
Acq: 06 Sep 2018 20:32

Tgt Ion:152 Resp: 277863  
Ion Ratio Lower Upper  
152 100  
115 55.9 27.8 83.4  
150 156.5 0.0 351.4



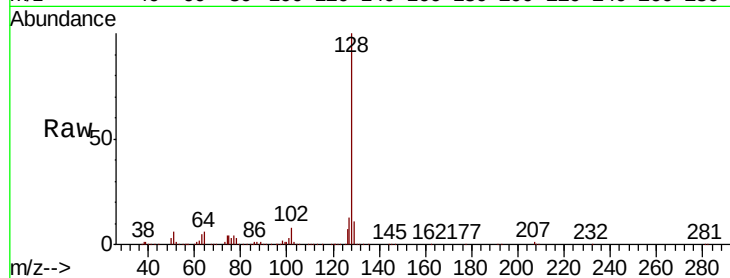




#95  
Naphthalene  
Concen: 23.35 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. 0.00 min  
Lab File: VW005176.D  
Acq: 06 Sep 2018 20:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
WC-BR

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.4  | 15.6  |
| 129     | 11.0  | 8.7   | 13.1  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

