

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\  
 Data File : VW003960.D  
 Acq On : 16 Jul 2018 19:16  
 Operator : VA/AP  
 Sample : J3975-05  
 Misc : 5.92G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-7

Quant Time: Jul 17 06:49:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 16 15:06:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 216464   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 348482   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 291338   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 114290   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 126655   | 52.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 104.68% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 110997   | 49.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 99.28%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 393054   | 45.30 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 90.60%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 120330   | 38.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 76.92%  |          |

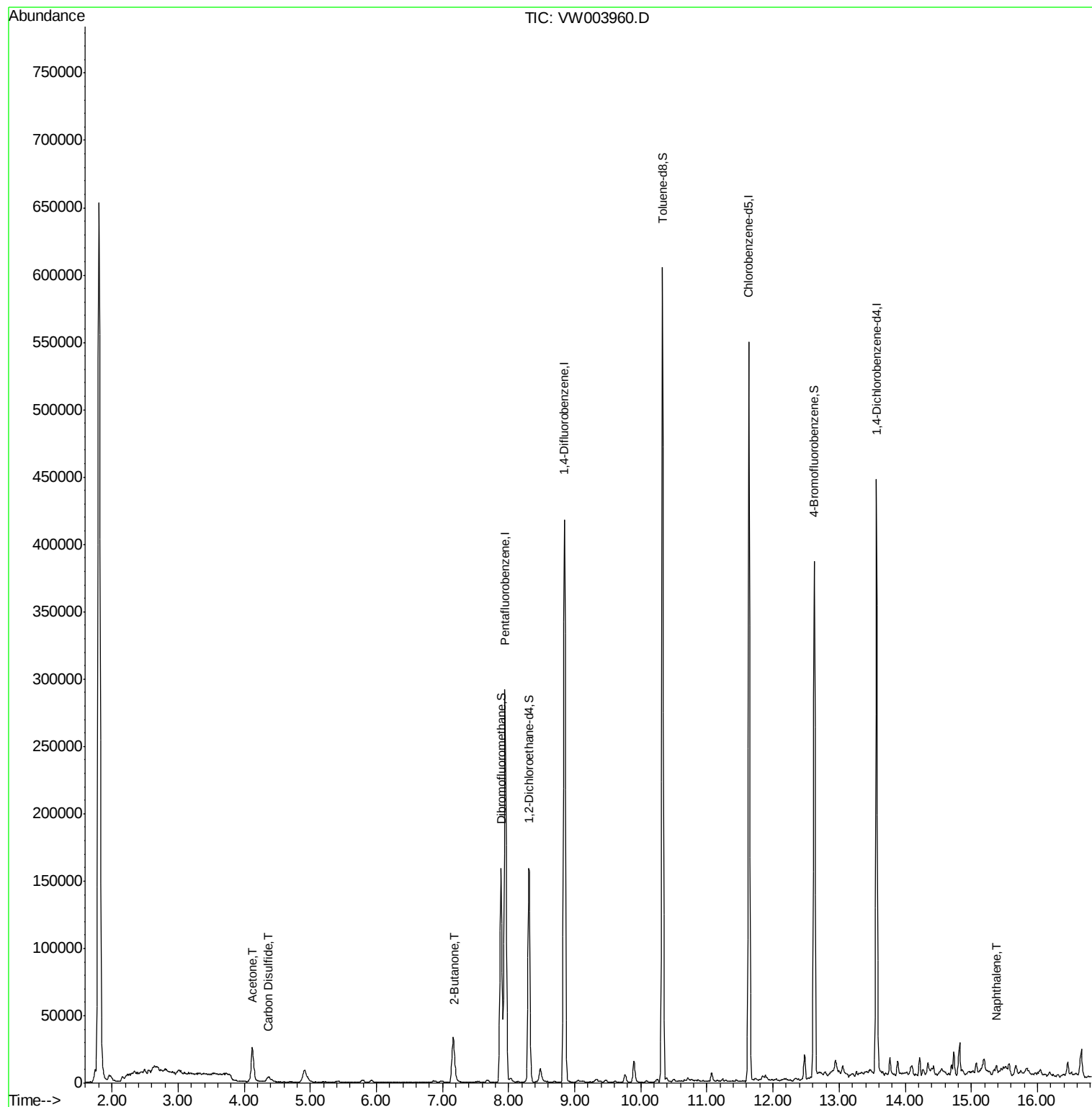
| Target Compounds     | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone          | 4.12  | 43   | 44620    | 76.74 | ug/l   | 94     |
| 17) Carbon Disulfide | 4.36  | 76   | 10114    | 1.54  | ug/l   | 99     |
| 25) 2-Butanone       | 7.18  | 43   | 8796     | 11.24 | ug/l   | 99     |
| 95) Naphthalene      | 15.38 | 128  | 6784     | 1.52  | ug/l # | 92     |

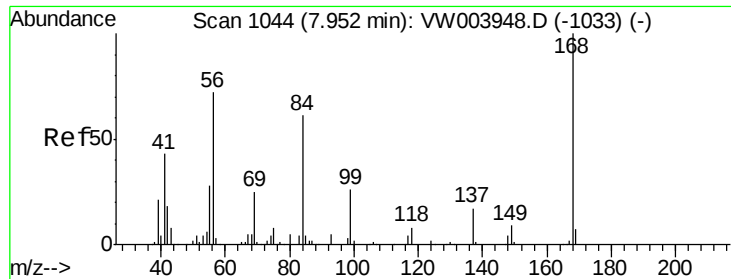
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071618\  
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QLast Update : Mon Jul 16 15:06:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

Instrument :

MSVOA\_W

ClientSampled :

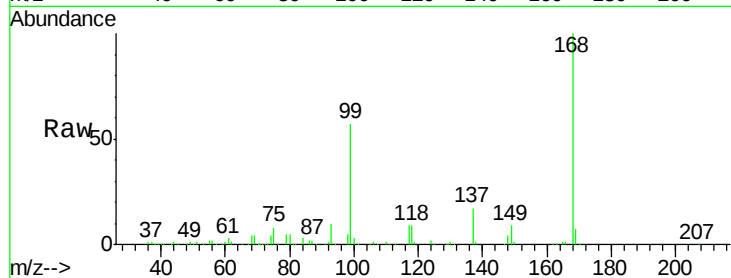
PAR-7

Tot Ion:168 Resp: 216464

Ion Ratio Lower Upper

168 100

99 56.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

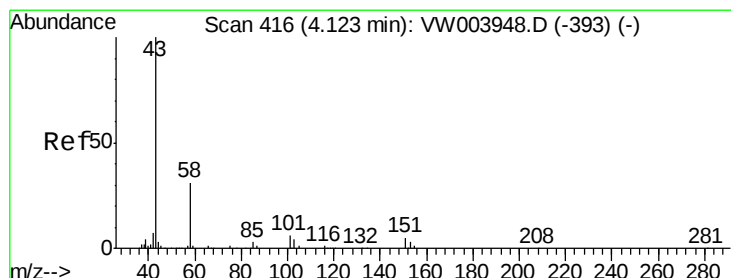
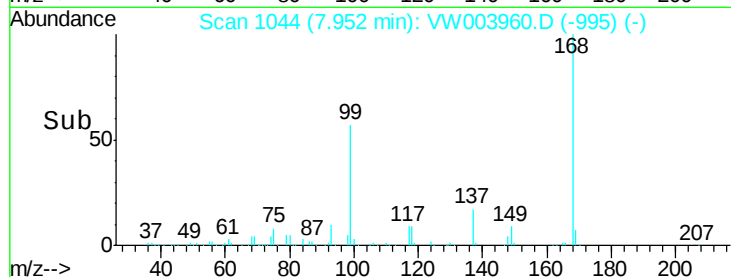
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 76.74 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003960.D

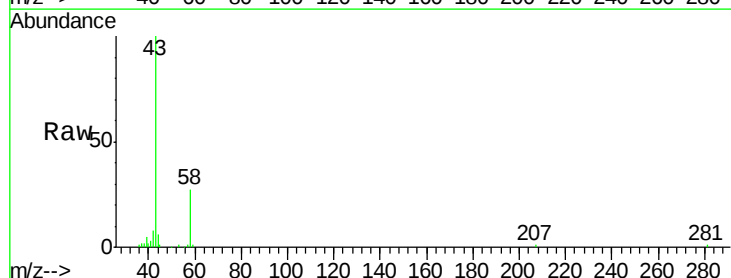
Acq: 16 Jul 2018 19:16

Tgt Ion: 43 Resp: 44620

Ion Ratio Lower Upper

43 100

58 27.1 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

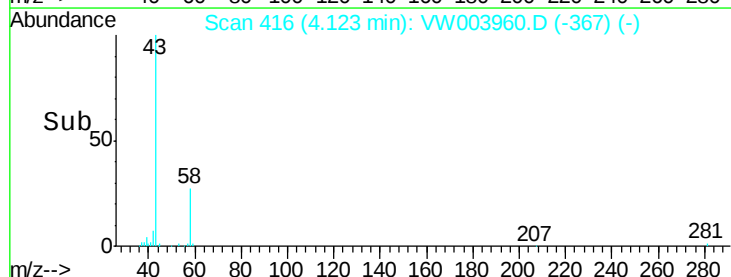
15000

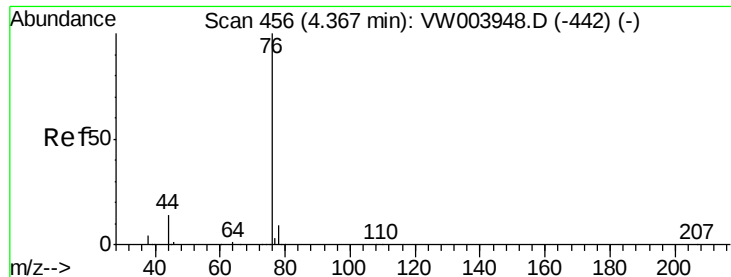
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 1.54 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

Instrument :

MSVOA\_W

ClientSampleId :

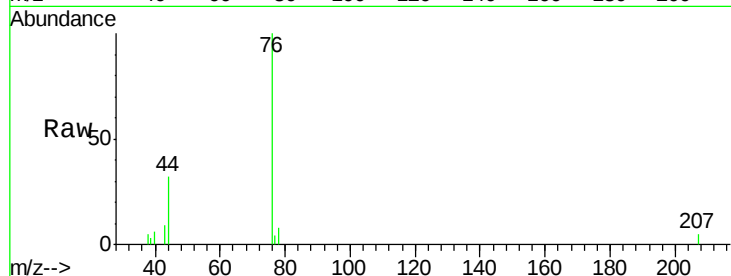
PAR-7

Tot Ion: 76 Resp: 10114

Ion Ratio Lower Upper

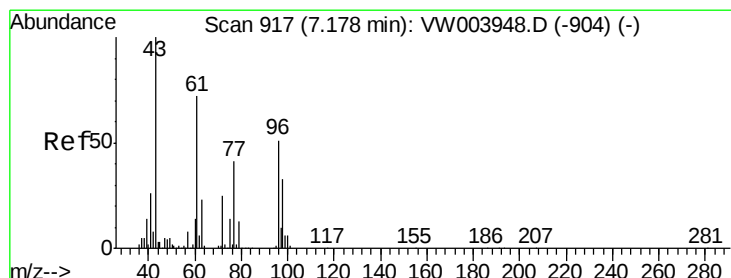
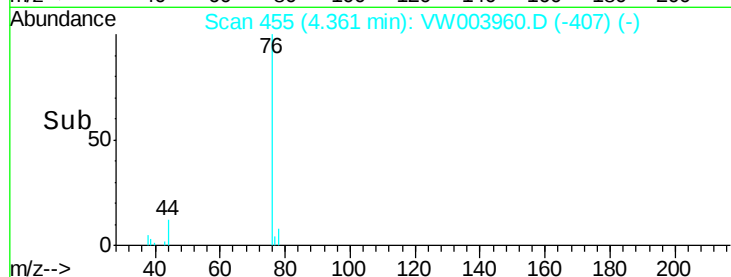
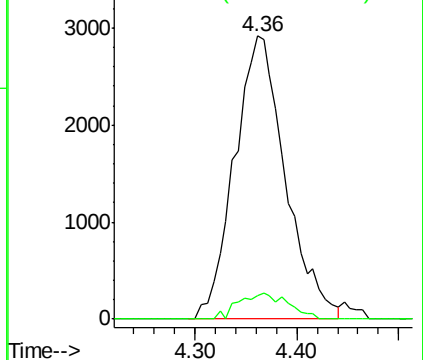
76 100

78 8.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 11.24 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW003960.D

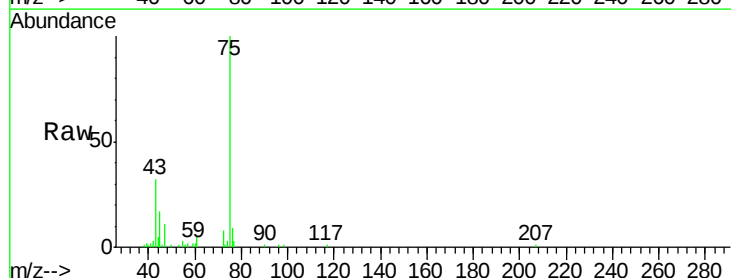
Acq: 16 Jul 2018 19:16

Tgt Ion: 43 Resp: 8796

Ion Ratio Lower Upper

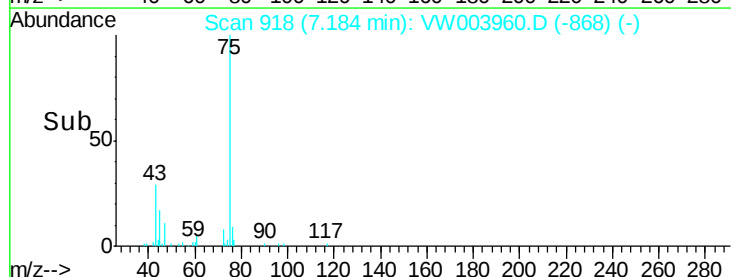
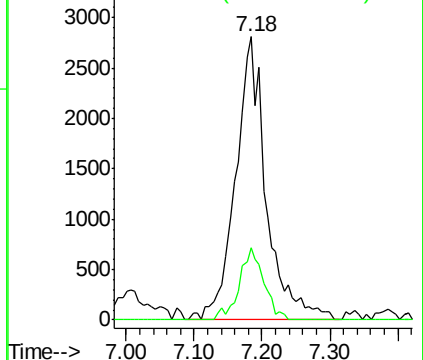
43 100

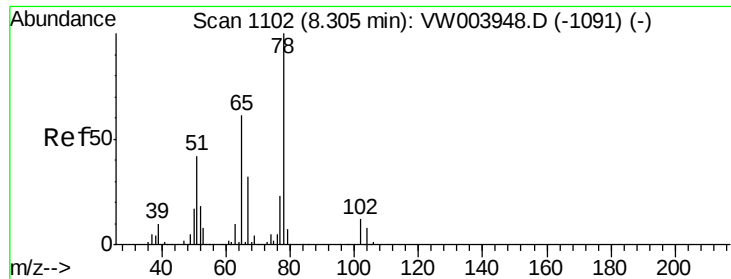
72 25.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#33

1,2-Dichloroethane-d4

Concen: 52.34 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

Instrument :

MSVOA\_W

ClientSampleId :

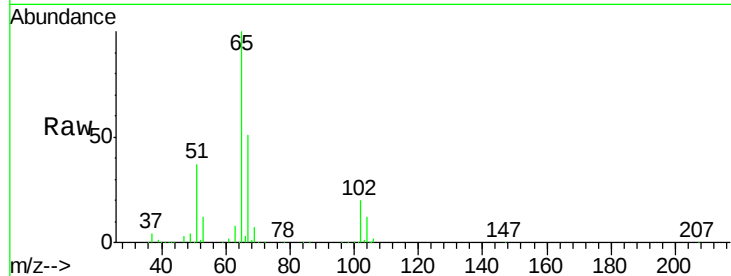
PAR-7

Tot Ion: 65 Resp: 126655

Ion Ratio Lower Upper

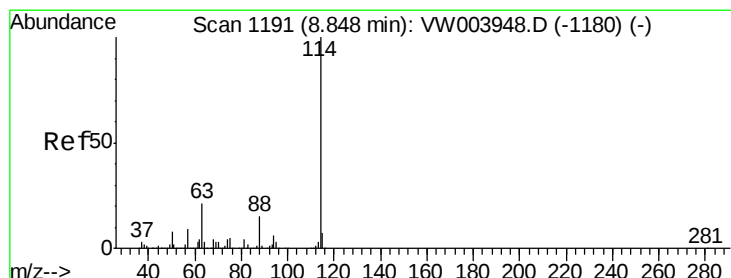
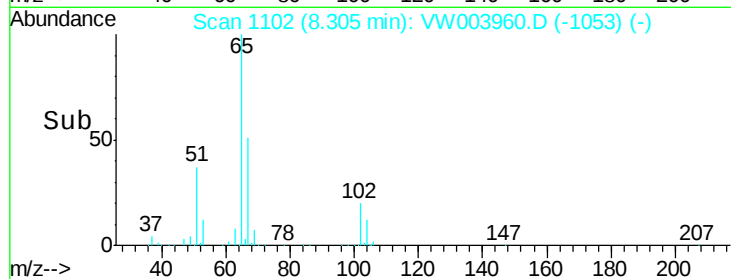
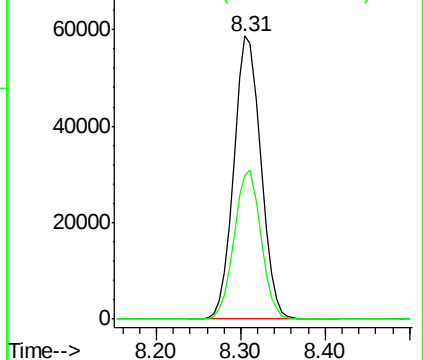
65 100

67 52.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

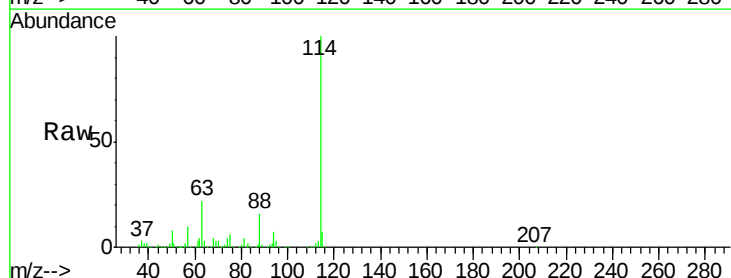
Tgt Ion: 114 Resp: 348482

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.8

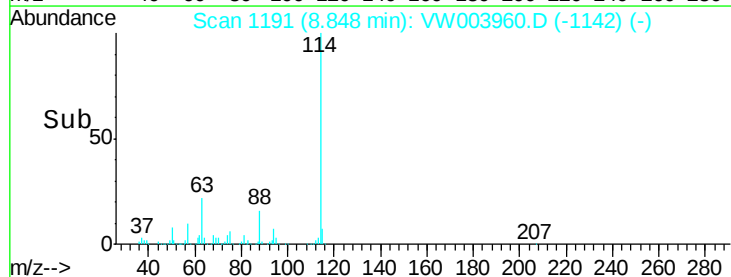
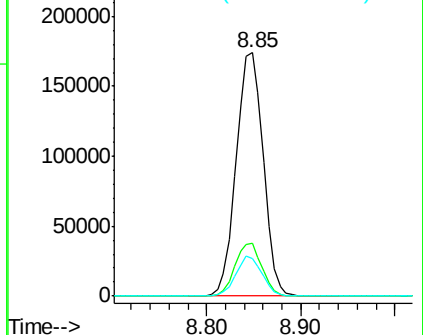
88 15.6 0.0 30.4

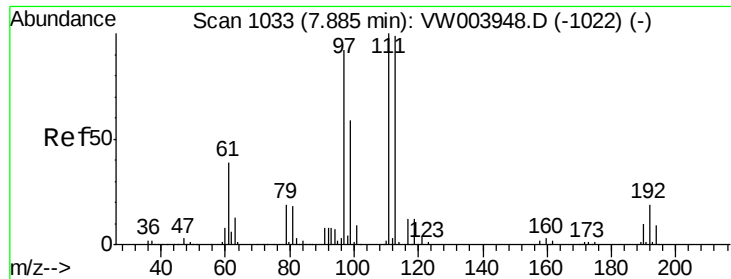


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

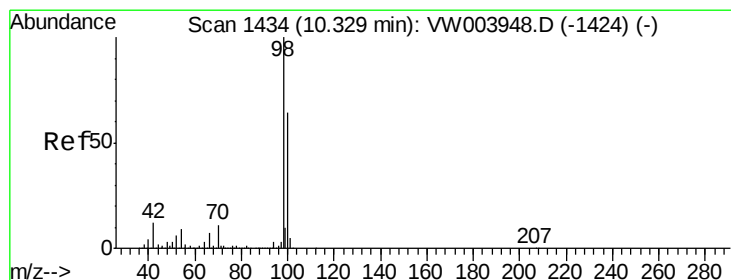
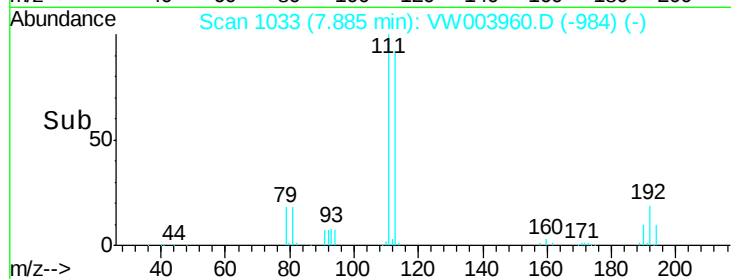
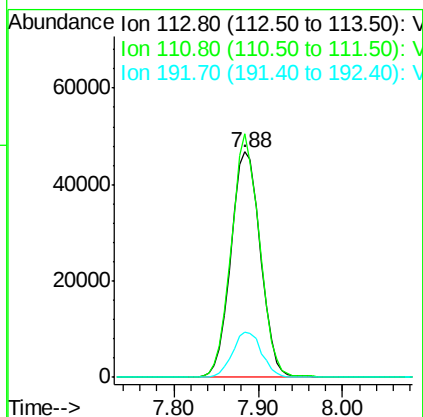
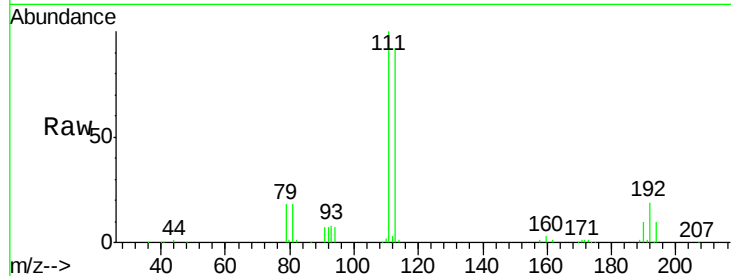




#35  
 Dibromofluoromethane  
 Concen: 49.64 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW003960.D  
 Acq: 16 Jul 2018 19:16

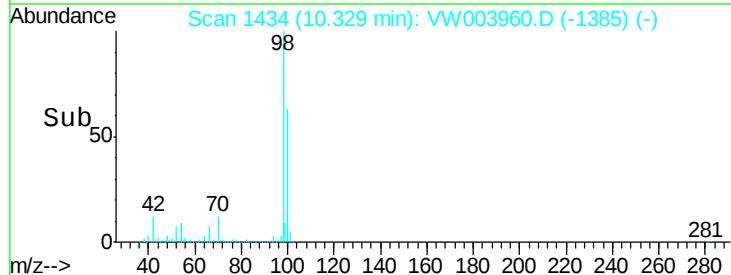
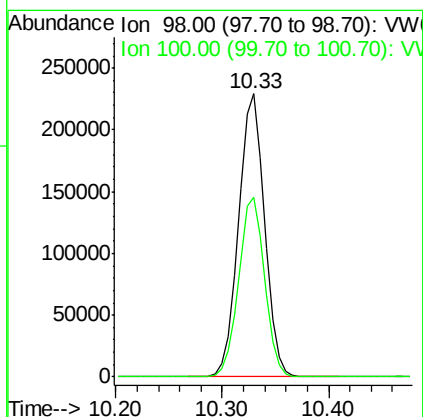
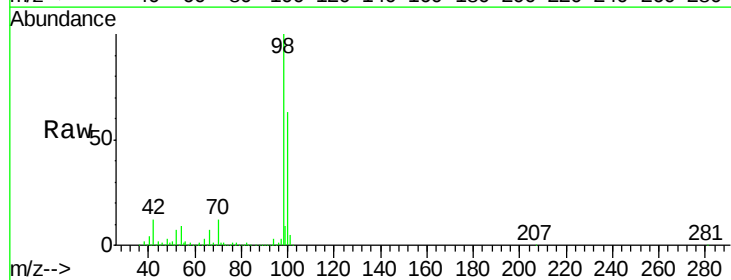
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-7

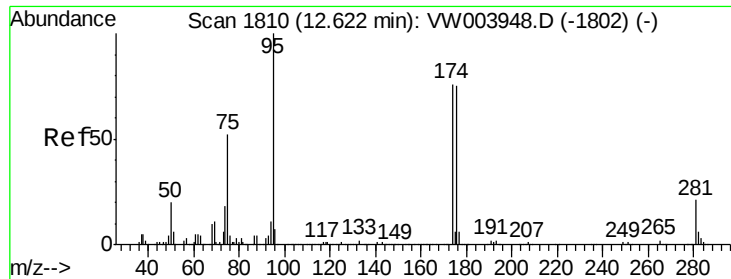
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 81.3  | 121.9 |
| 192     | 19.9  | 15.8  | 23.6  |



#50  
 Toluene-d8  
 Concen: 45.30 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW003960.D  
 Acq: 16 Jul 2018 19:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.4  | 51.2  | 76.8  |

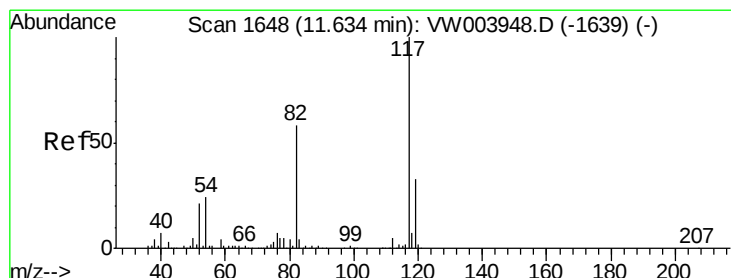
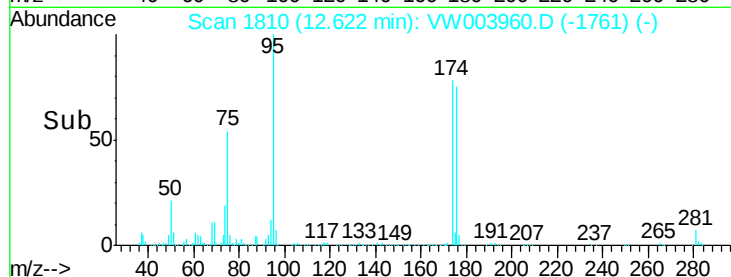
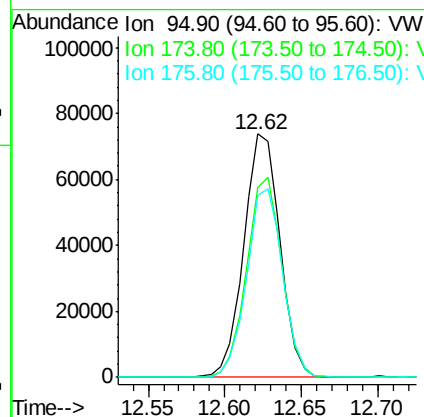
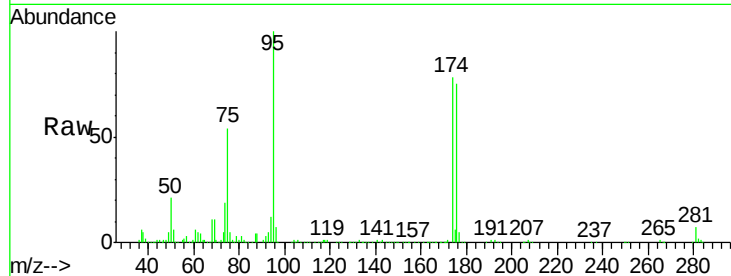




#62  
4-Bromofluorobenzene  
Concen: 38.46 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VW003960.D  
Acq: 16 Jul 2018 19:16

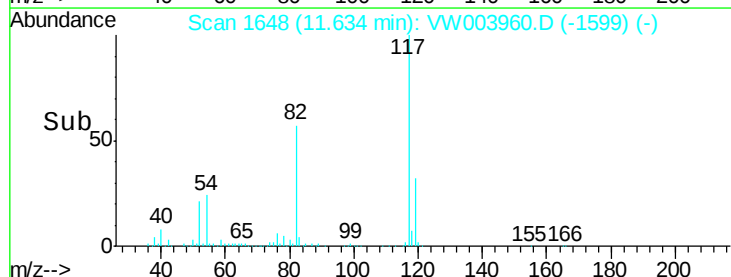
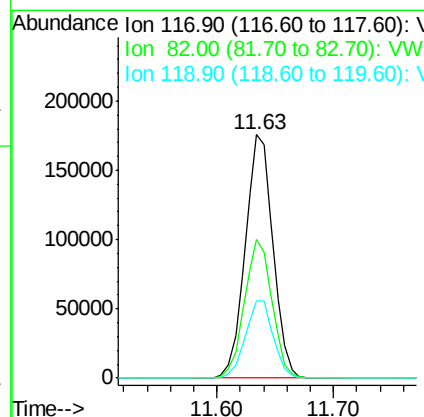
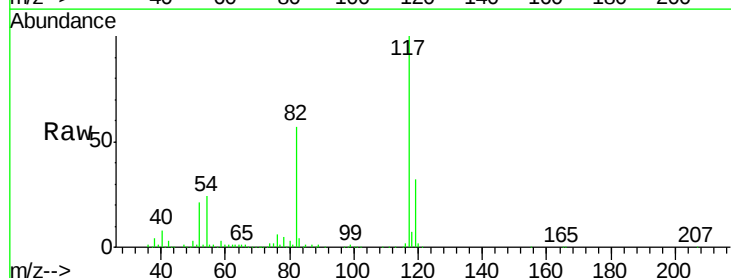
Instrument :  
MSVOA\_W  
ClientSampleId :  
PAR-7

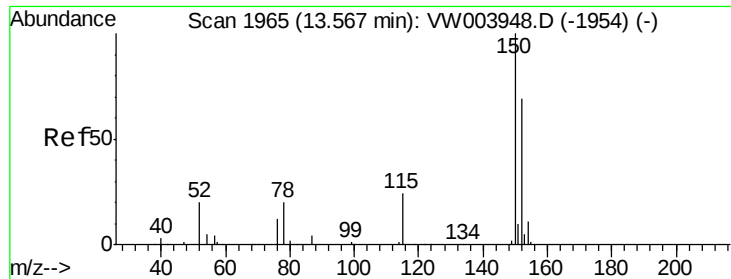
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 81.1  | 0.0   | 160.2 |
| 176     | 77.7  | 0.0   | 155.8 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW003960.D  
Acq: 16 Jul 2018 19:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.2  | 46.5  | 69.7  |
| 119     | 31.9  | 26.2  | 39.2  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

Instrument :

MSVOA\_W

ClientSampleId :

PAR-7

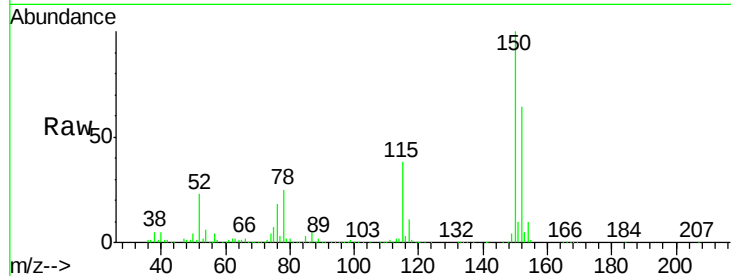
Tot Ion:152 Resp: 114290

Ion Ratio Lower Upper

152 100

115 58.0 29.2 87.6

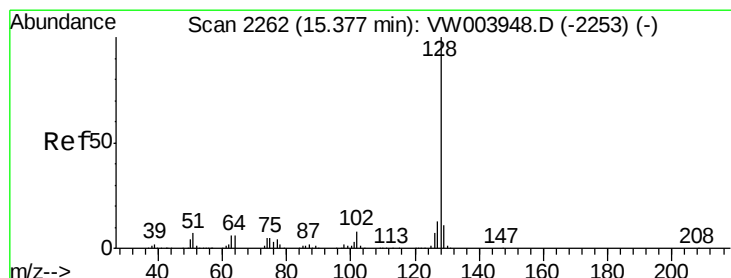
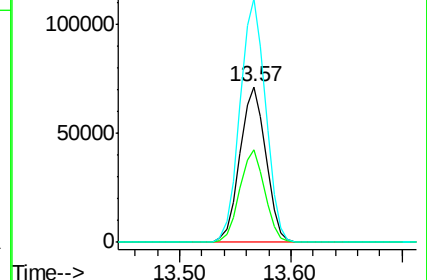
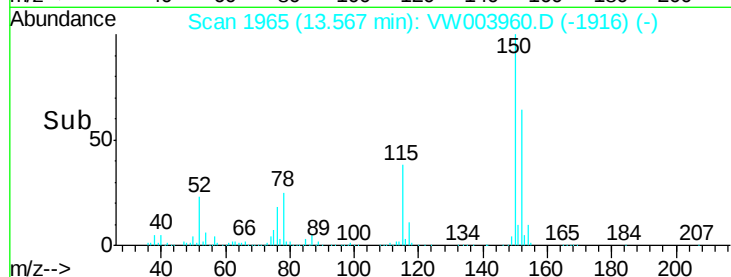
150 155.1 0.0 345.2



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



#95

Naphthalene

Concen: 1.52 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

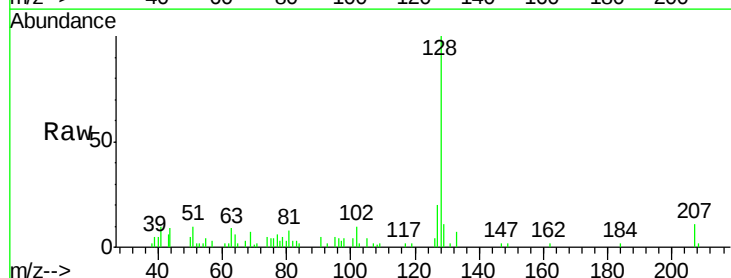
Tgt Ion:128 Resp: 6784

Ion Ratio Lower Upper

128 100

127 15.9 10.7 16.1

129 14.4 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

