

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\  
 Data File : VW004339.D  
 Acq On : 30 Jul 2018 04:09  
 Operator : SY/AP  
 Sample : J4180-05  
 Misc : 7.09G/5ML/MSVOA W/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GS-PIT-2

Quant Time: Jul 30 07:10:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 30 02:37:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 63280    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 87415    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 67076    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 26138    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 31354    | 49.12 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.24% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 27180    | 49.20 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.40% |      |
| 50) Toluene-d8              | 10.33  | 98  | 90333    | 41.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 82.76% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 24665    | 32.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 64.18% |      |

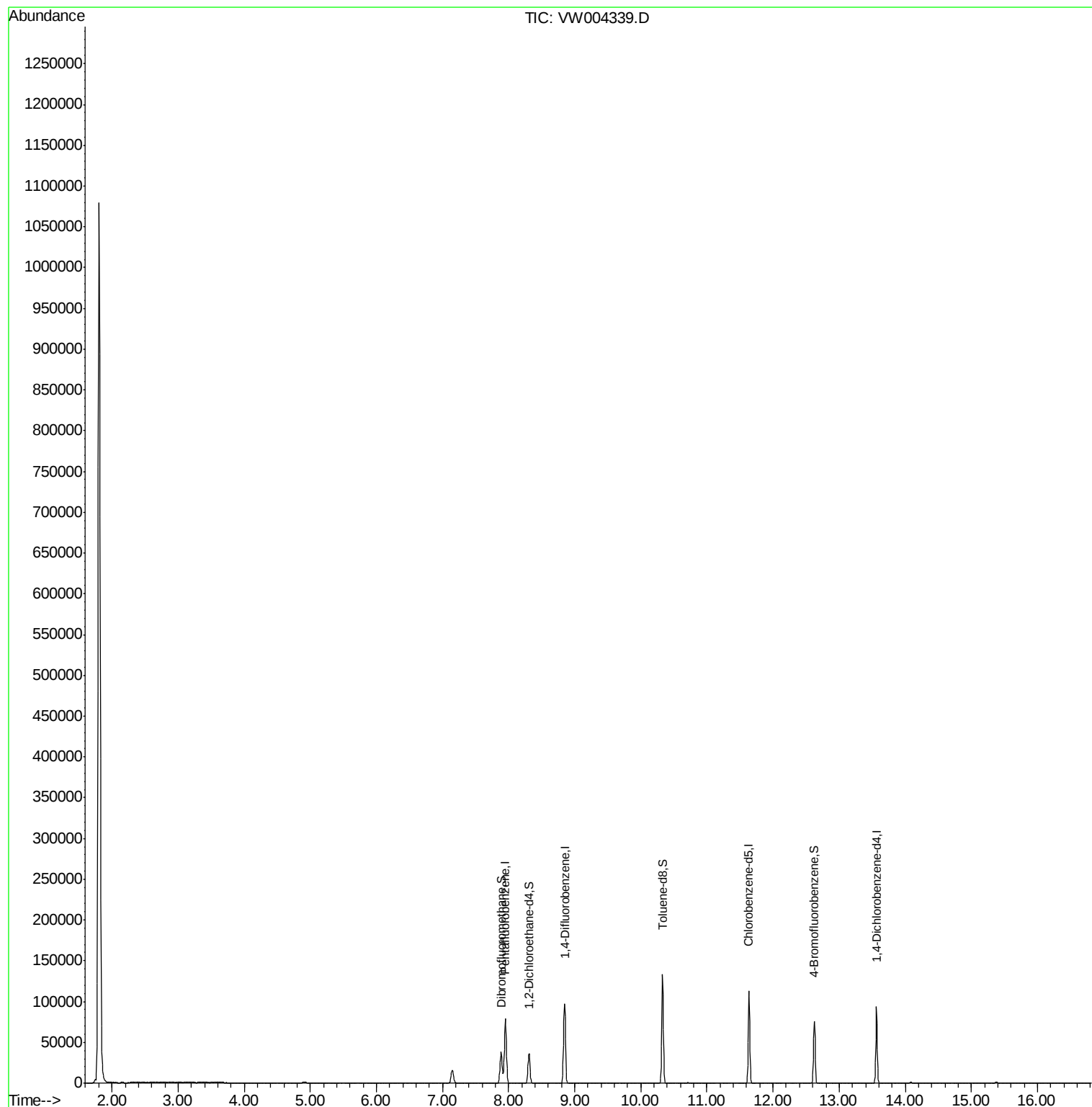
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

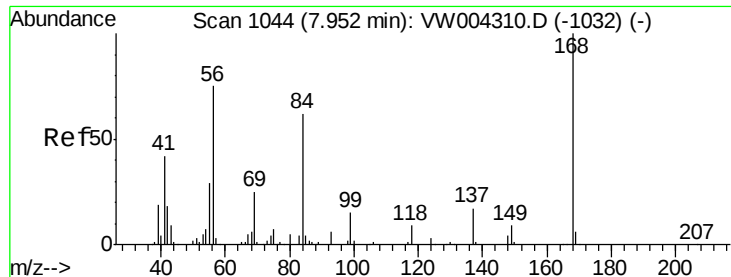
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073018\  
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Quant Title : SW846 8260  
QLast Update : Mon Jul 30 02:37:04 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: VW004339.D

Acq: 30 Jul 2018 04:09

Instrument :

MSVOA\_W

ClientSampleId :

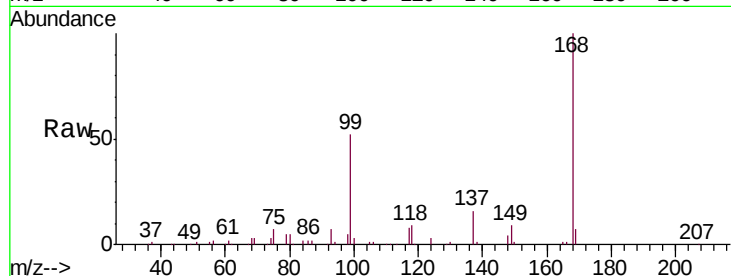
GS-PIT-2

Tot Ion:168 Resp: 63280

Ion Ratio Lower Upper

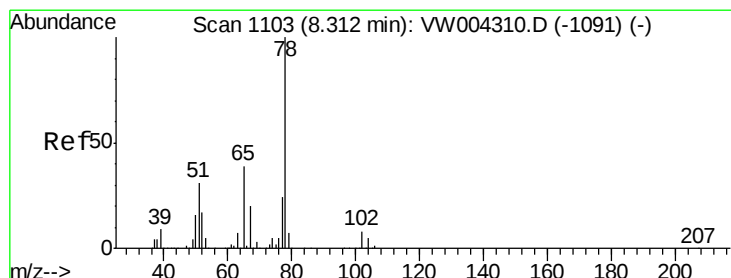
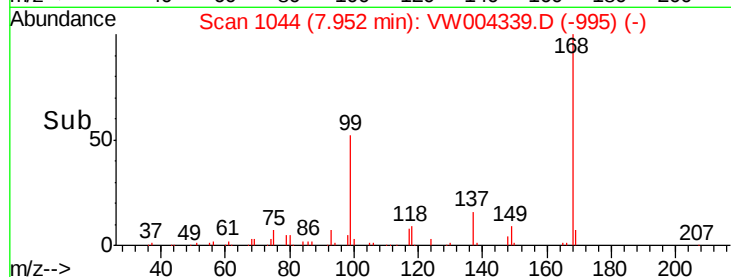
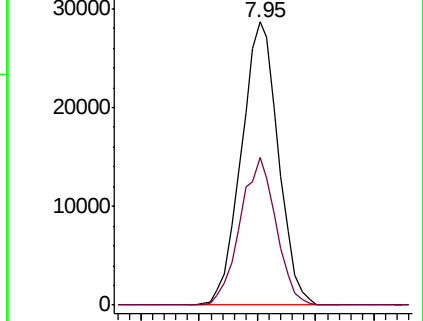
168 100

99 52.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 49.12 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004339.D

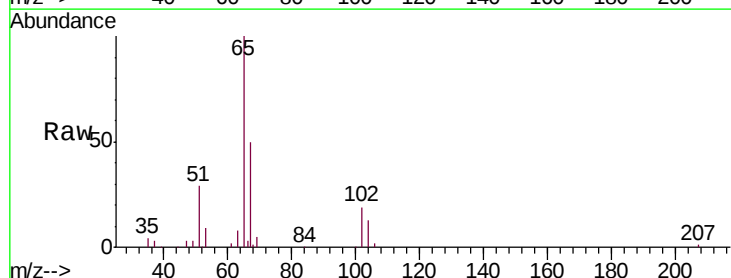
Acq: 30 Jul 2018 04:09

Tgt Ion: 65 Resp: 31354

Ion Ratio Lower Upper

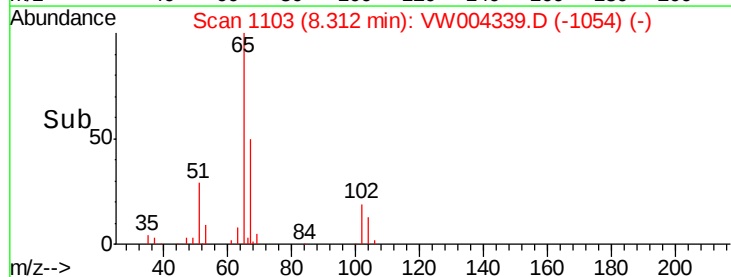
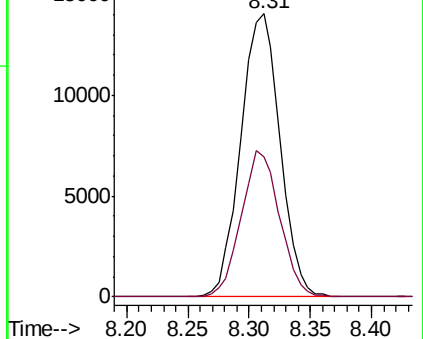
65 100

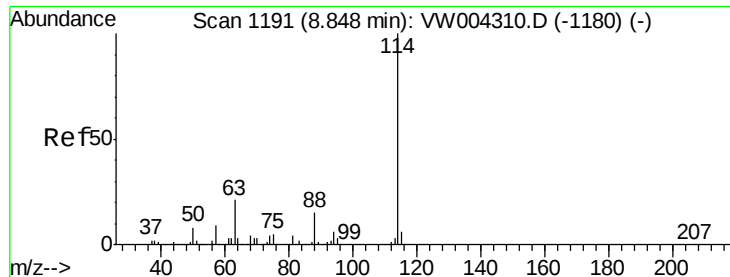
67 50.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

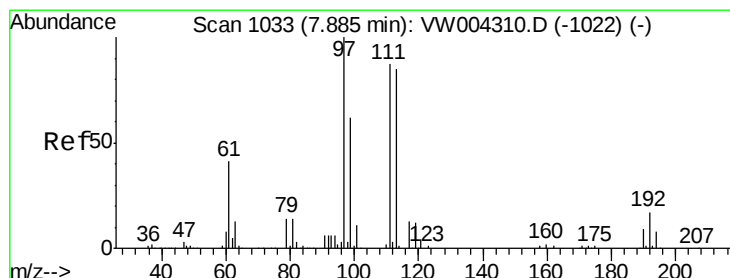
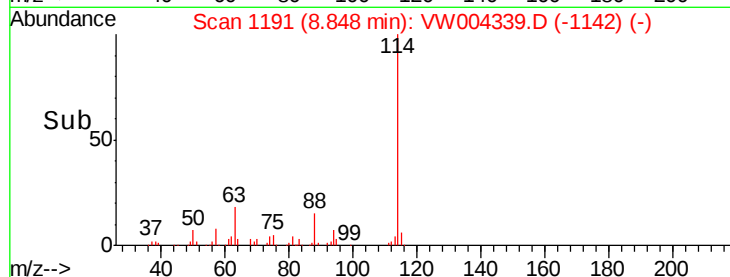
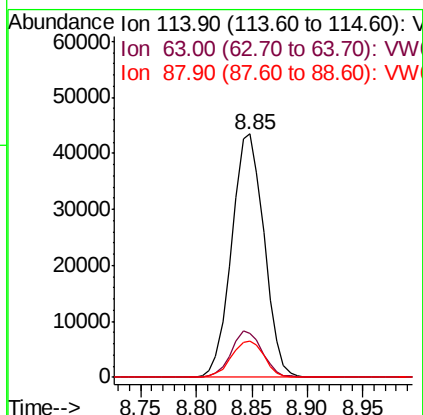
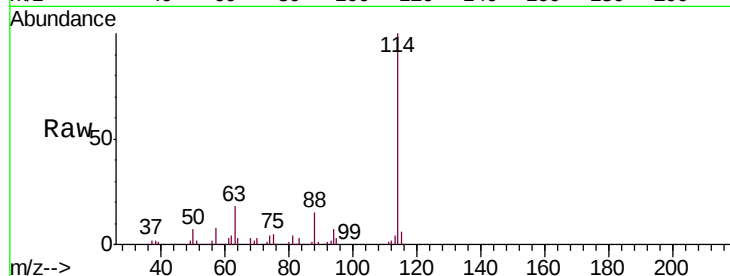




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW004339.D  
 Acq: 30 Jul 2018 04:09

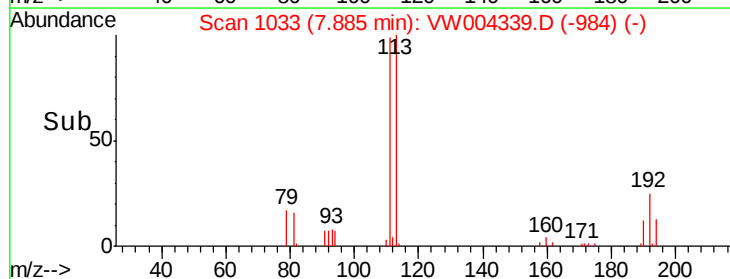
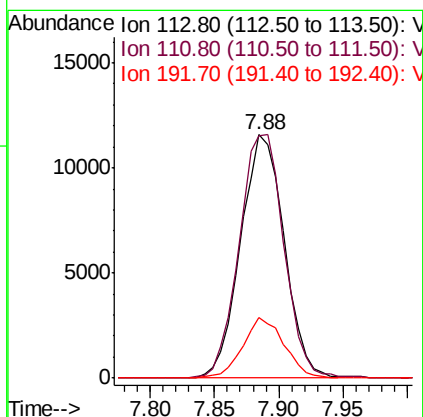
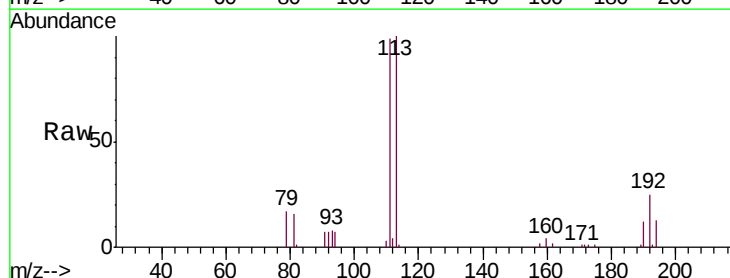
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GS-PIT-2

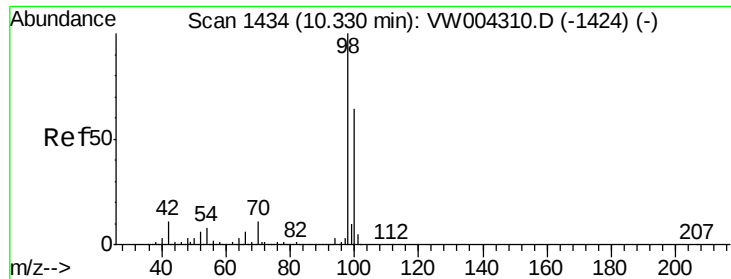
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.0  | 0.0   | 41.4  |
| 88      | 14.8  | 0.0   | 30.6  |



#35  
 Dibromofluoromethane  
 Concen: 49.20 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004339.D  
 Acq: 30 Jul 2018 04:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.1  | 123.1 |
| 192     | 23.5  | 16.2  | 24.4  |





#50

Toluene-d8

Concen: 41.38 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004339.D

Acq: 30 Jul 2018 04:09

Instrument :

MSVOA\_W

ClientSampleId :

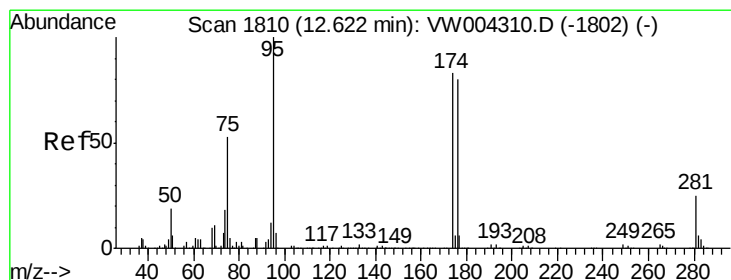
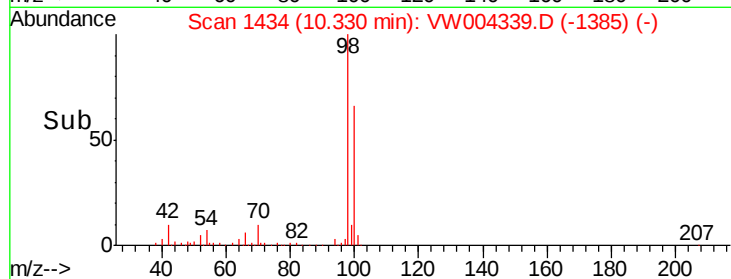
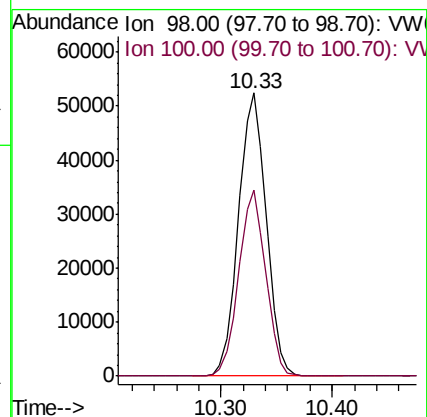
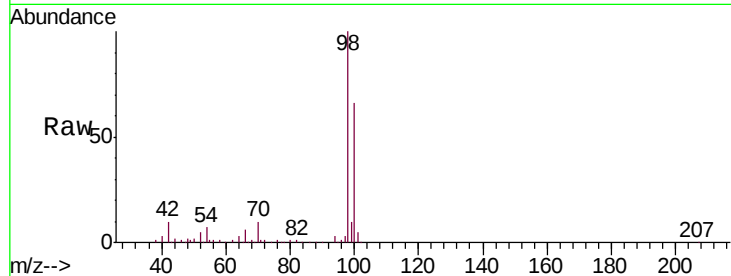
GS-PIT-2

Tot Ion: 98 Resp: 90333

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 32.09 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004339.D

Acq: 30 Jul 2018 04:09

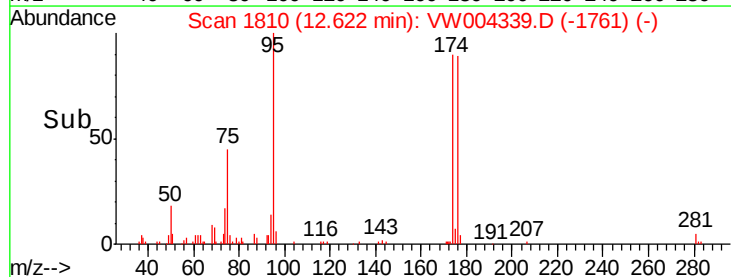
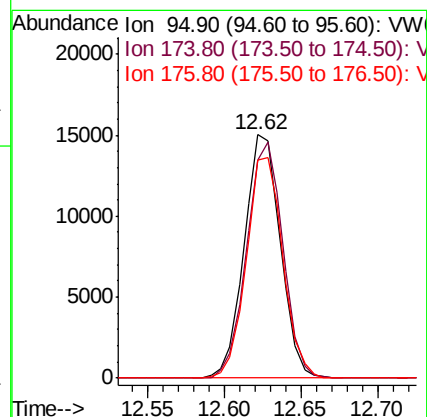
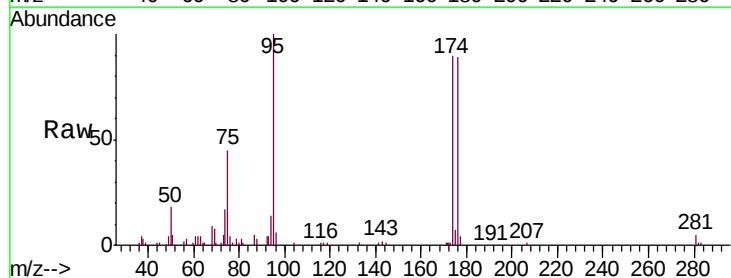
Tgt Ion: 95 Resp: 24665

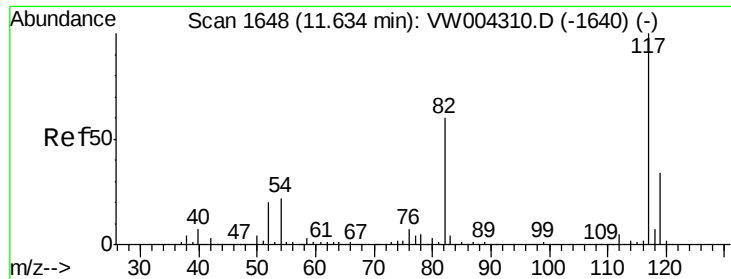
Ion Ratio Lower Upper

95 100

174 97.1 0.0 167.8

176 91.3 0.0 162.4

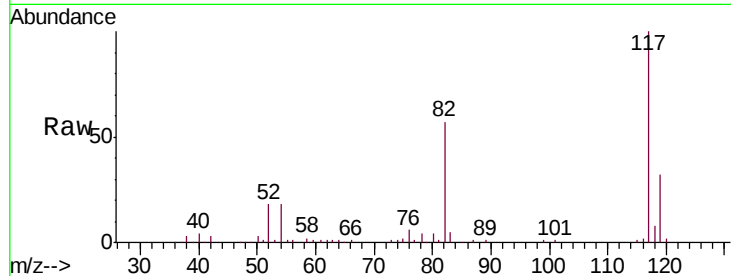




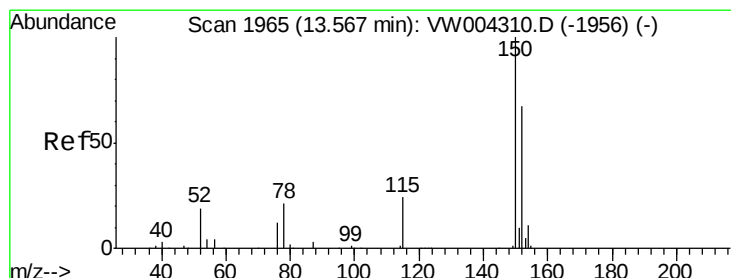
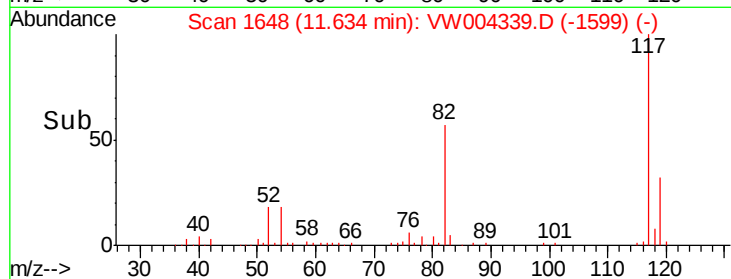
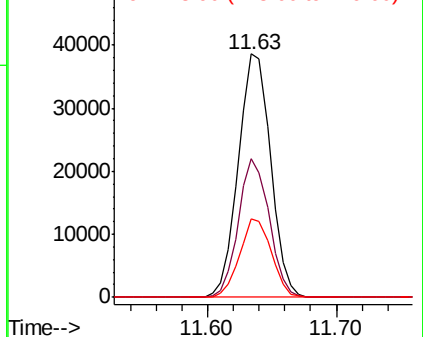
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW004339.D  
Acq: 30 Jul 2018 04:09

Instrument :  
MSVOA\_W  
ClientSampled :  
GS-PIT-2

Tot Ion:117 Resp: 67076  
Ion Ratio Lower Upper  
117 100  
82 57.1 47.9 71.9  
119 32.4 27.1 40.7

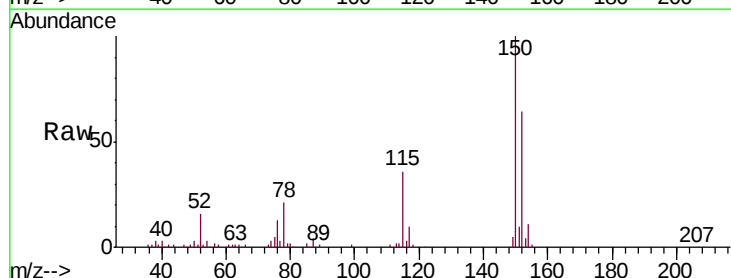


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW004339.D  
Acq: 30 Jul 2018 04:09

Tgt Ion:152 Resp: 26138  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.8 86.4  
150 156.7 0.0 346.4



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

