

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\  
 Data File : VW002349.D  
 Acq On : 10 May 2018 01:20  
 Operator : JC/SY  
 Sample : J2730-01  
 Misc : 5.95G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EPE-MX-1(65-67)

Quant Time: May 10 07:34:46 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W050818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 08 03:57:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 8800     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 14495    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 16808    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 8719     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 7280     | 77.90 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 155.80% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 5650     | 60.81 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 121.62% |      |
| 50) Toluene-d8              | 10.33  | 98  | 14708    | 41.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.02%  |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 6652     | 51.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.92% |      |

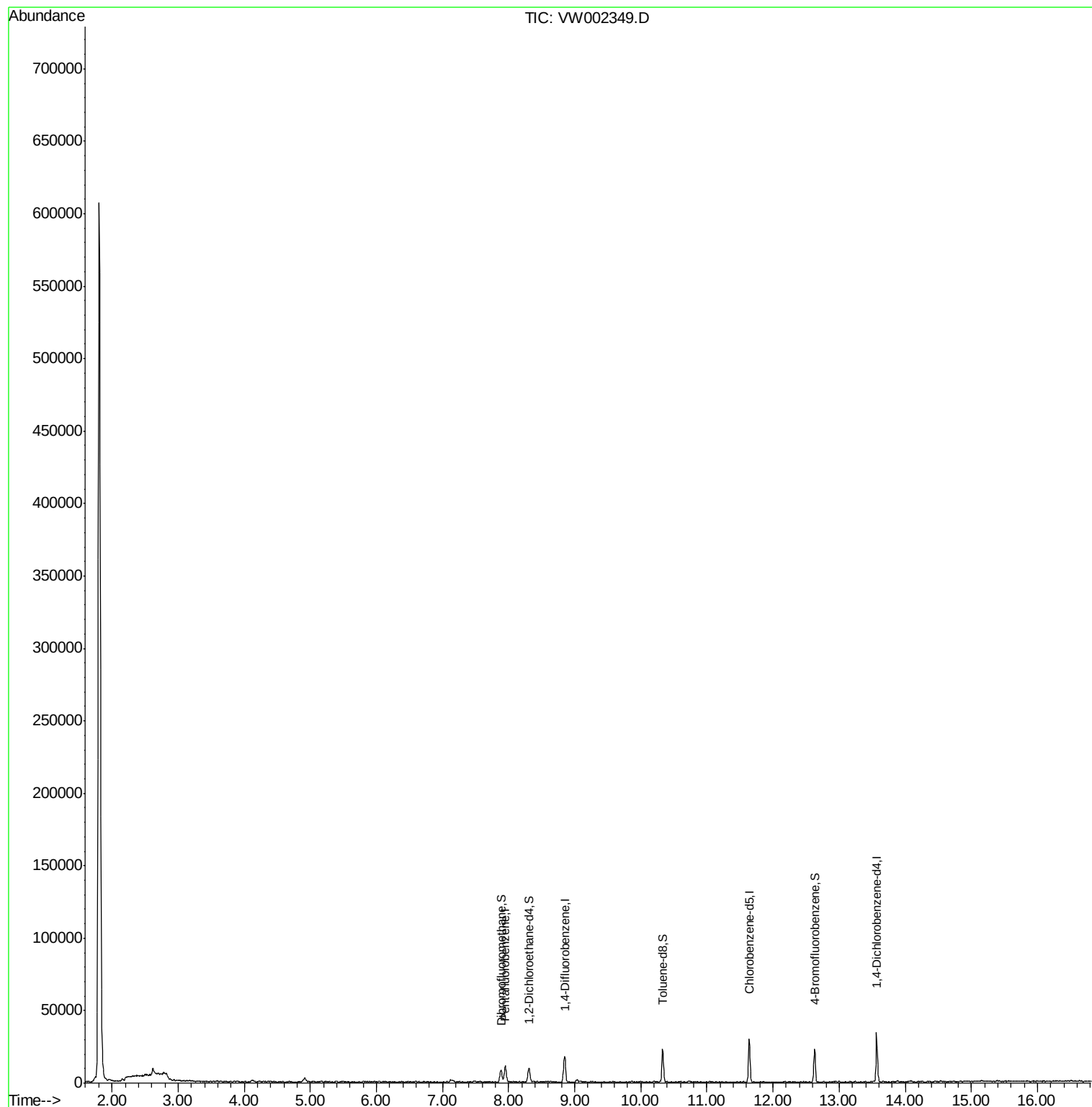
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

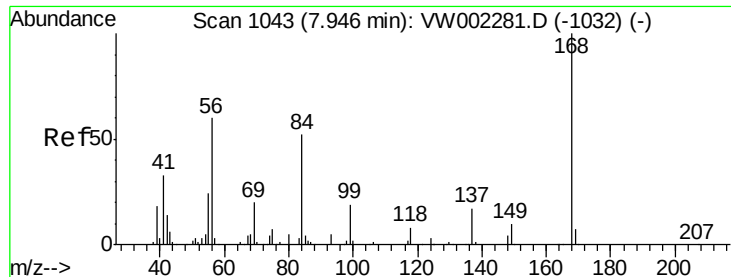
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\  
Data File : VW002349.D  
Acq On : 10 May 2018 01:20  
Operator : JC/SY  
Sample : J2730-01  
Misc : 5.95G/5ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-MX-1(65-67)

Quant Time: May 10 07:34:46 2018  
Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W050818S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 08 03:57:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002349.D

Acq: 10 May 2018 01:20

Instrument :

MSVOA\_W

ClientSampleId :

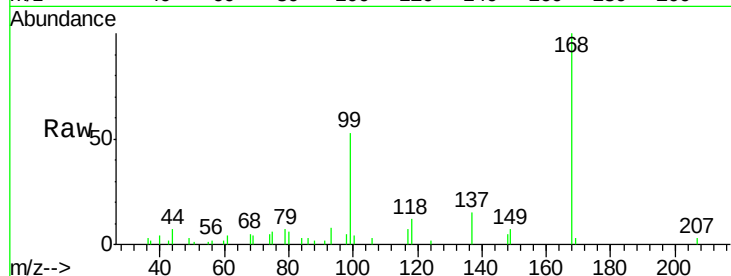
EPE-MX-1(65-67)

Tot Ion:168 Resp: 8800

Ion Ratio Lower Upper

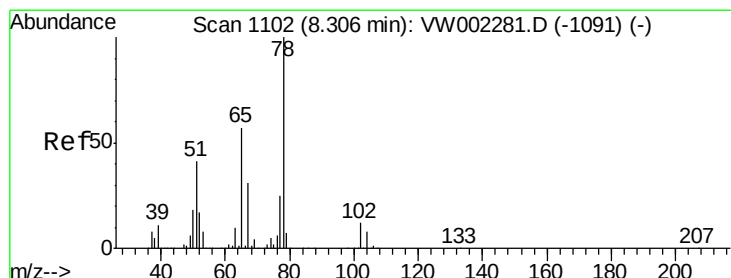
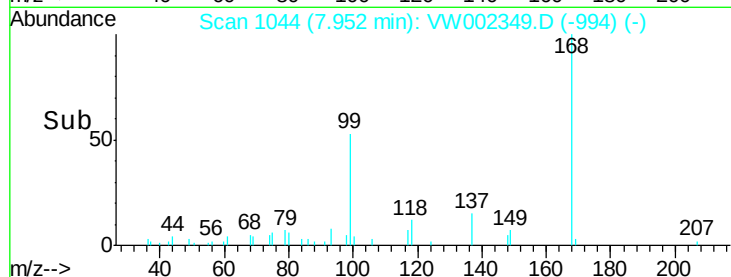
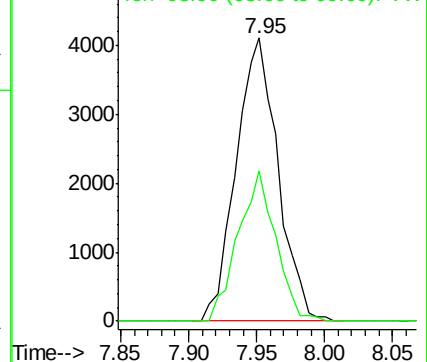
168 100

99 52.9 43.7 65.5



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: 77.90 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002349.D

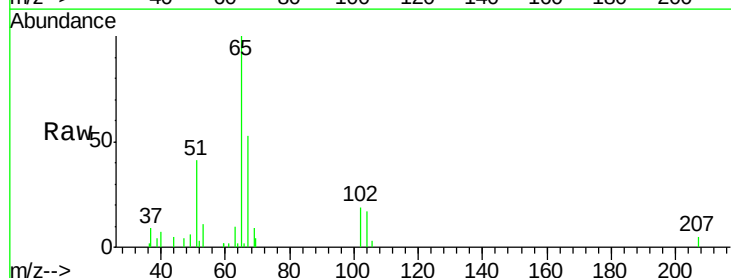
Acq: 10 May 2018 01:20

Tgt Ion: 65 Resp: 7280

Ion Ratio Lower Upper

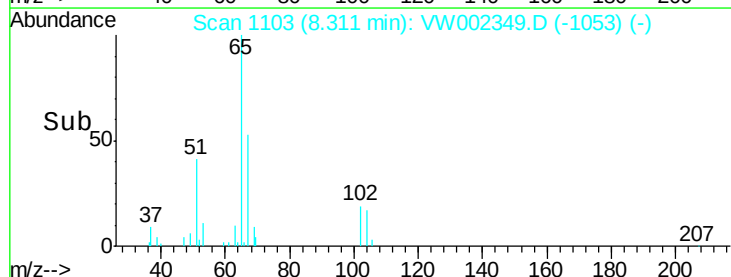
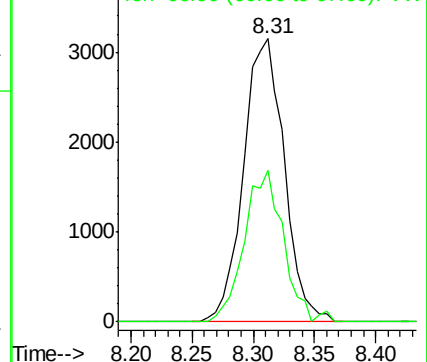
65 100

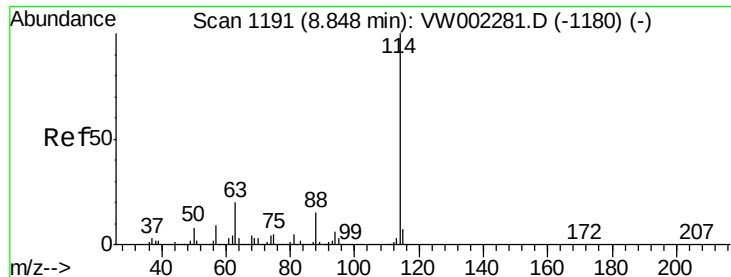
67 50.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

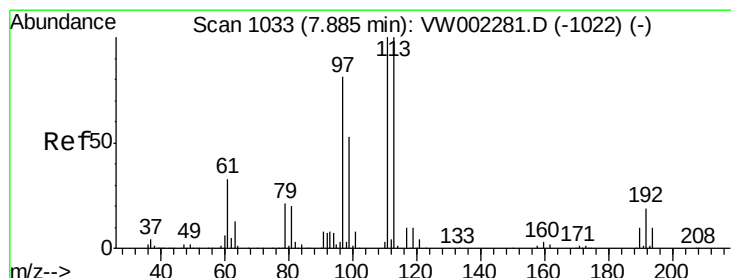
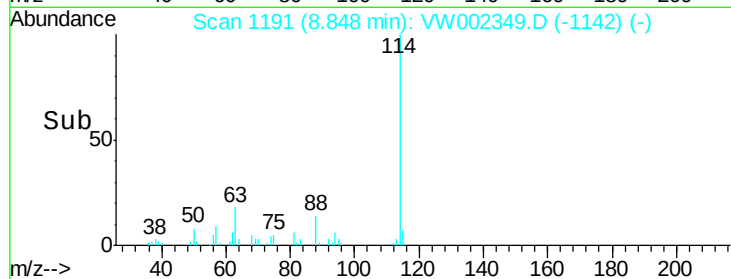
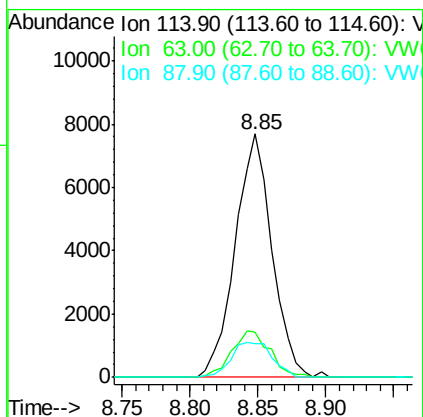
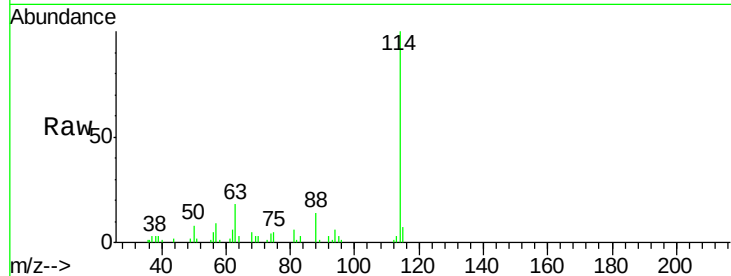




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW002349.D  
 Acq: 10 May 2018 01:20

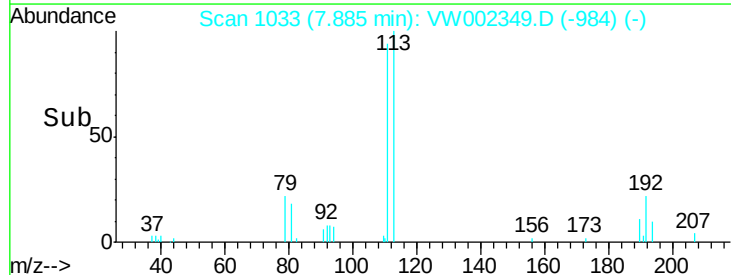
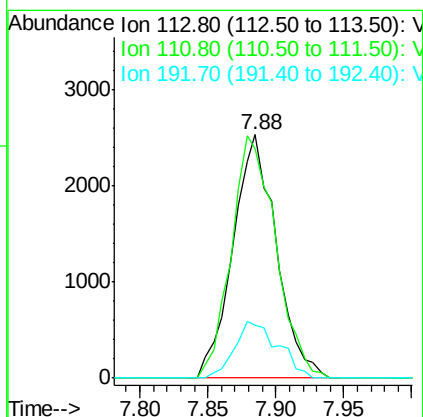
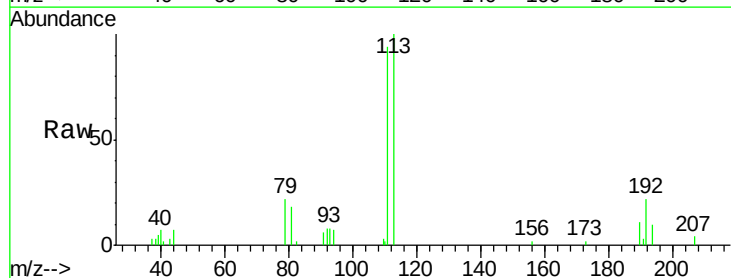
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EPE-MX-1(65-67)

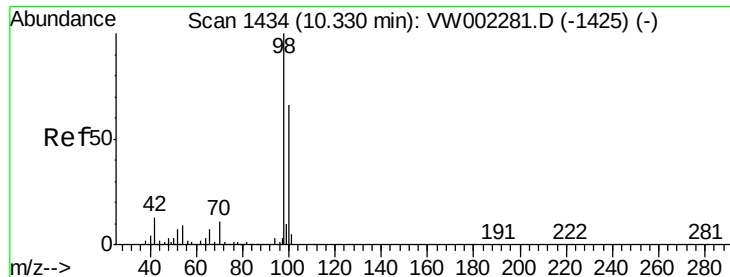
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.5  | 0.0   | 39.0  |
| 88      | 13.7  | 0.0   | 29.6  |



#35  
 Dibromofluoromethane  
 Concen: 60.81 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW002349.D  
 Acq: 10 May 2018 01:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 81.5  | 122.3 |
| 192     | 23.3  | 16.4  | 24.6  |





#50

Toluene-d8

Concen: 41.51 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002349.D

Acq: 10 May 2018 01:20

Instrument :

MSVOA\_W

ClientSampleId :

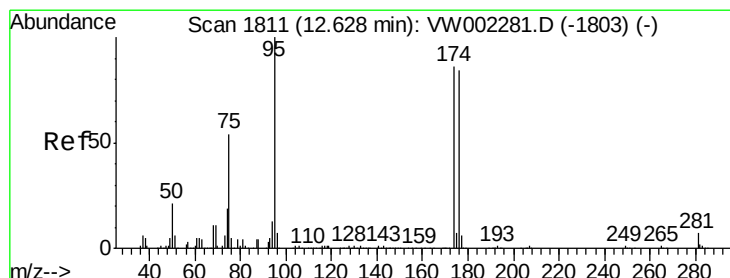
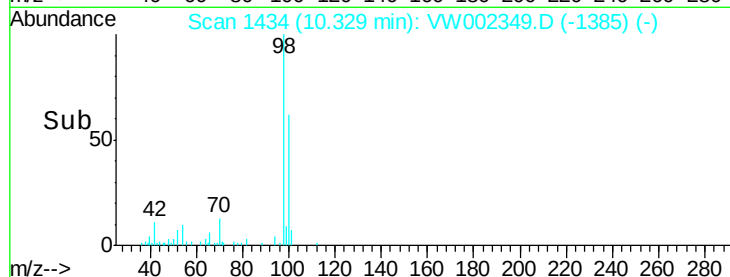
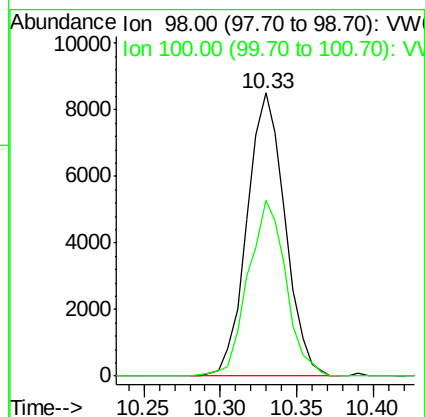
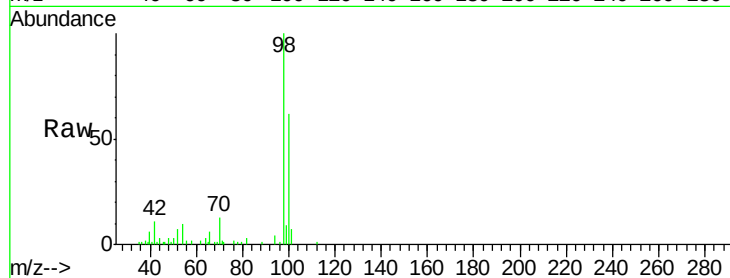
EPE-MX-1(65-67)

Tot Ion: 98 Resp: 14708

Ion Ratio Lower Upper

98 100

100 62.0 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 51.96 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002349.D

Acq: 10 May 2018 01:20

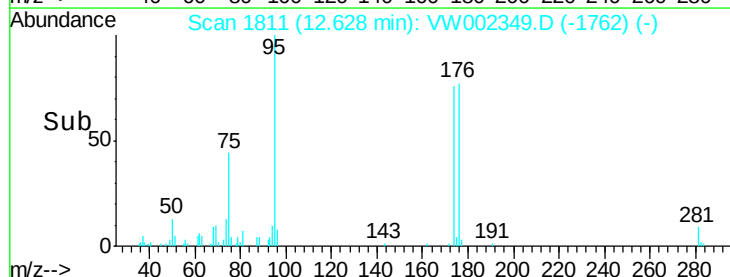
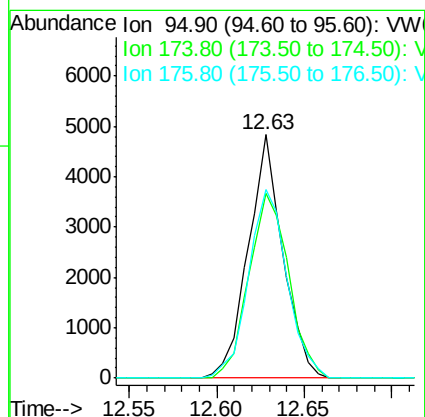
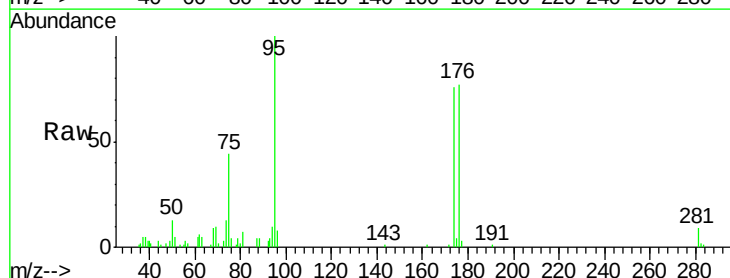
Tgt Ion: 95 Resp: 6652

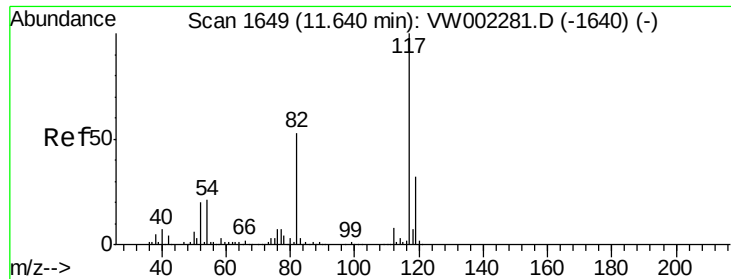
Ion Ratio Lower Upper

95 100

174 87.1 0.0 176.8

176 86.6 0.0 170.4

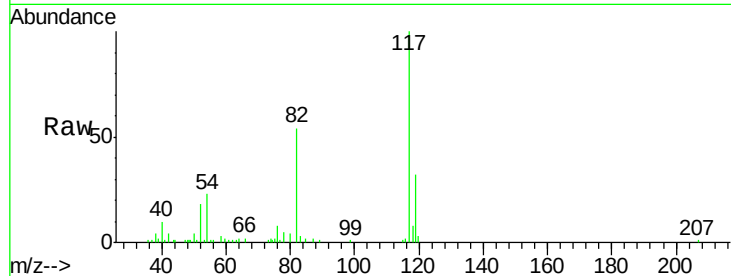




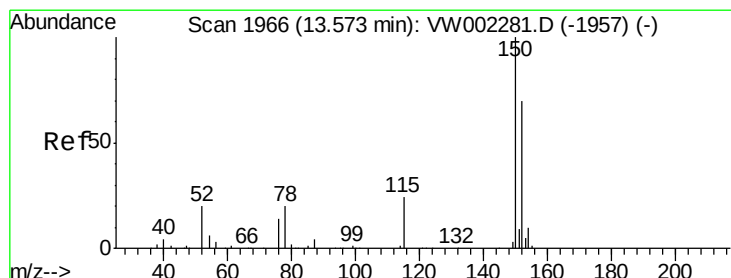
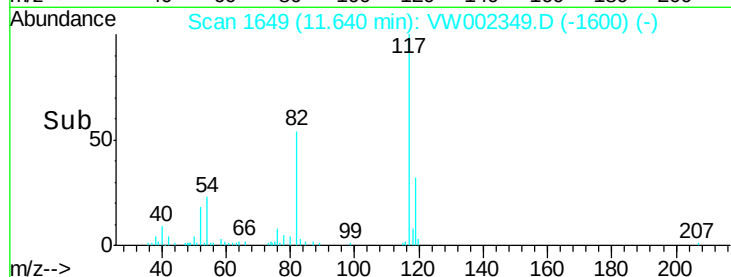
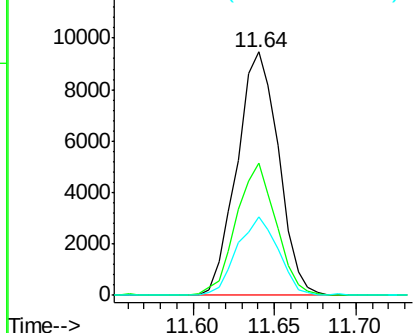
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW002349.D  
Acq: 10 May 2018 01:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-MX-1(65-67)

Tot Ion:117 Resp: 16808  
Ion Ratio Lower Upper  
117 100  
82 54.4 42.6 63.8  
119 32.2 25.2 37.8

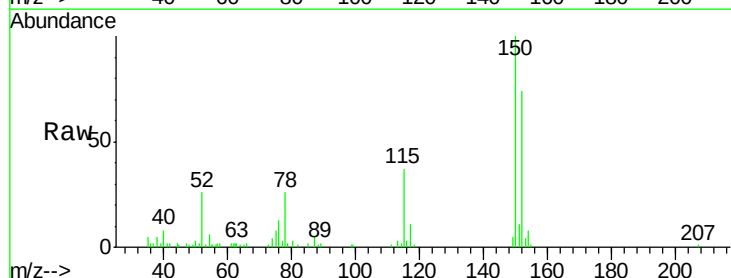


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1966  
Delta R.T. -0.00 min  
Lab File: VW002349.D  
Acq: 10 May 2018 01:20

Tgt Ion:152 Resp: 8719  
Ion Ratio Lower Upper  
152 100  
115 56.0 28.5 85.5  
150 153.0 0.0 342.6



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

