

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
 Data File : VU025911.D  
 Acq On : 07 Aug 2018 01:54  
 Operator : MD/SY  
 Sample : J4344-17  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 FL-TB-2018-4

Quant Time: Aug 07 09:08:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 00:49:55 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 179474   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 286855   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 284683   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 167017   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 143305   | 51.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.50% |      |
| 35) Dibromofluoromethane    | 4.89   | 113 | 122025   | 48.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.82%  |      |
| 50) Toluene-d8              | 7.57   | 98  | 426699   | 48.87 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.74%  |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 158452   | 46.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.52%  |      |

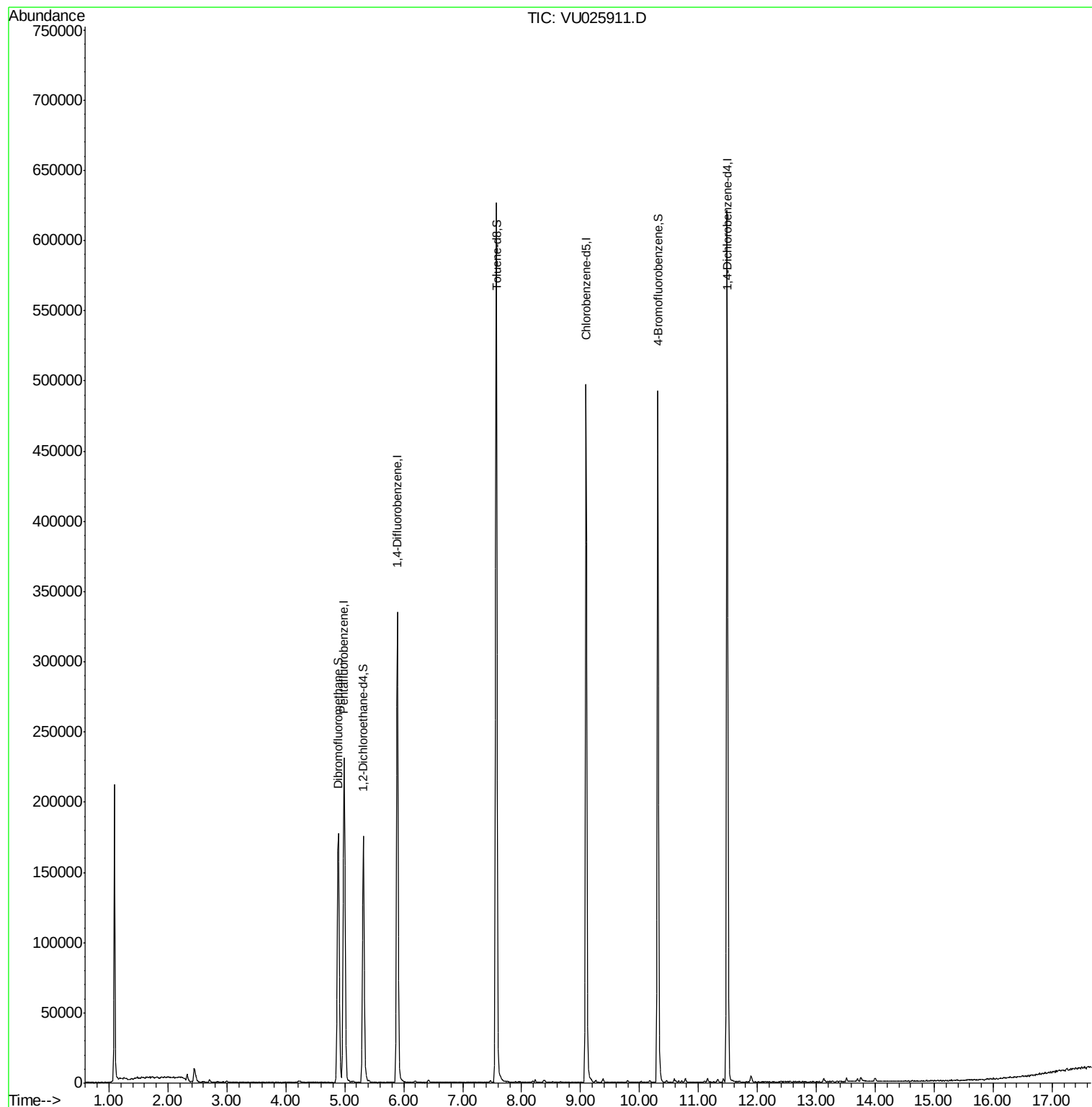
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

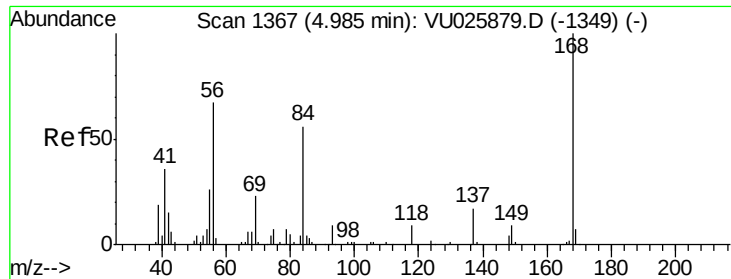
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
Data File : VU025911.D  
Acq On : 07 Aug 2018 01:54  
Operator : MD/SY  
Sample : J4344-17  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-TB-2018-4

Quant Time: Aug 07 09:08:36 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 00:49:55 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA\_U

ClientSampleId :

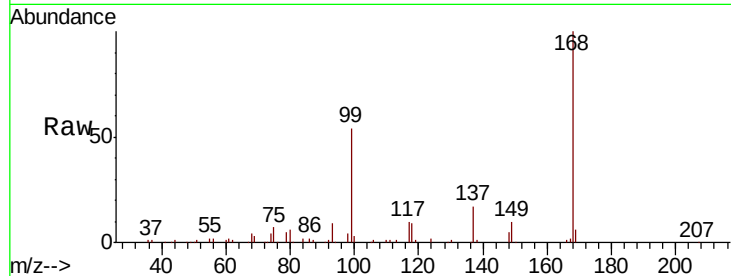
FL-TB-2018-4

Tot Ion:168 Resp: 179474

Ion Ratio Lower Upper

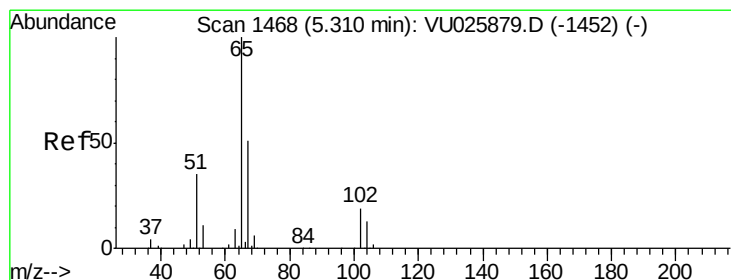
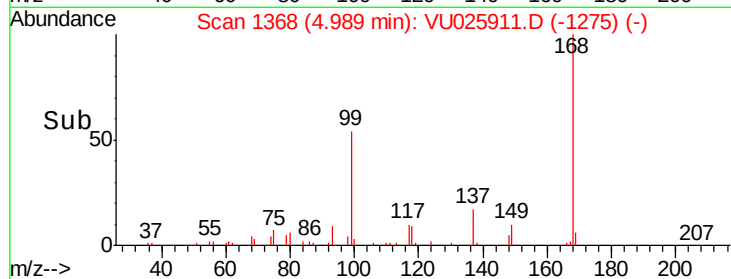
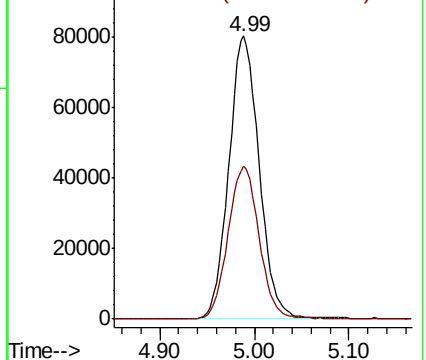
168 100

99 53.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.25 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025911.D

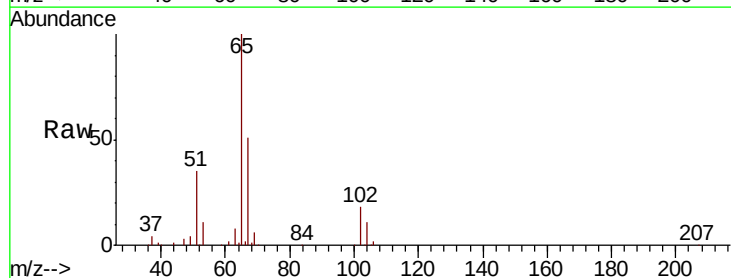
Acq: 07 Aug 2018 01:54

Tgt Ion: 65 Resp: 143305

Ion Ratio Lower Upper

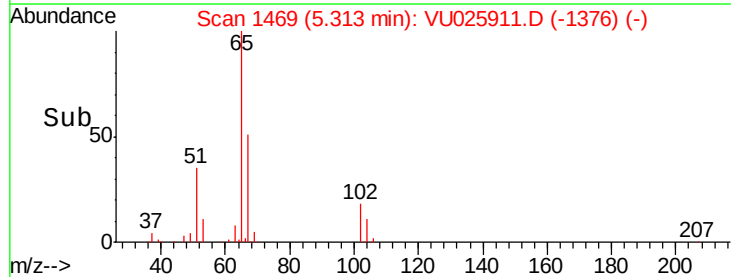
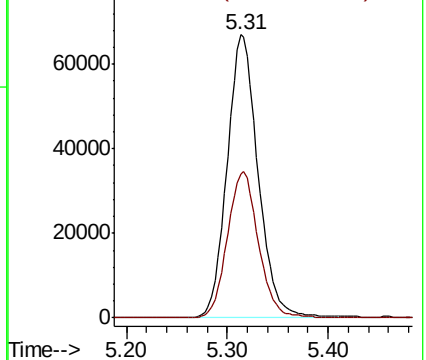
65 100

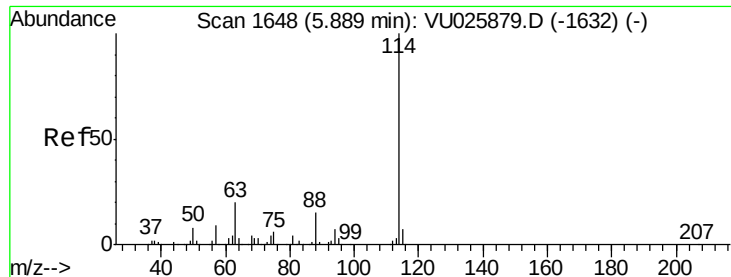
67 51.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025879.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025879.D (-1452) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA\_U

ClientSampleId :

FL-TB-2018-4

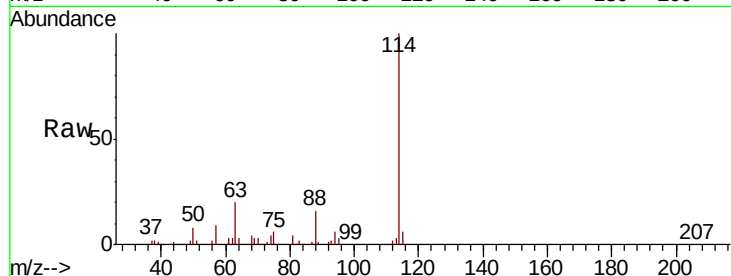
Tot Ion:114 Resp: 286855

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

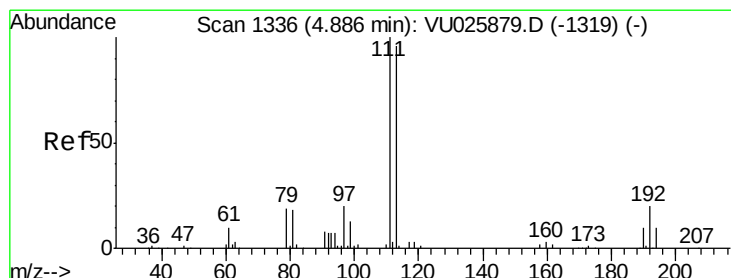
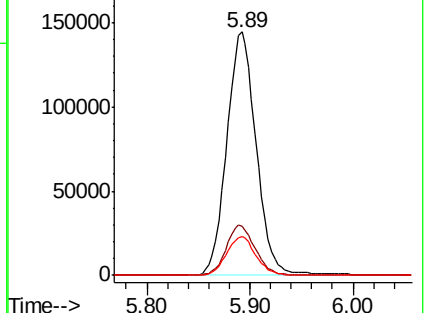
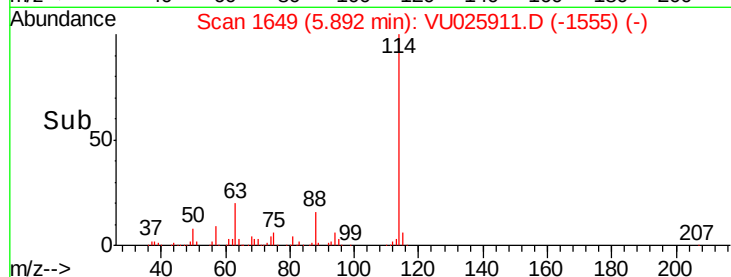
88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.91 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

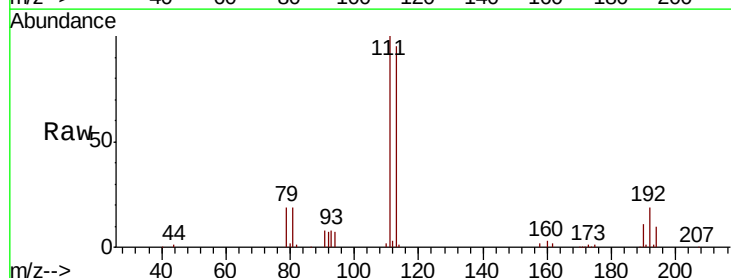
Tgt Ion:113 Resp: 122025

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

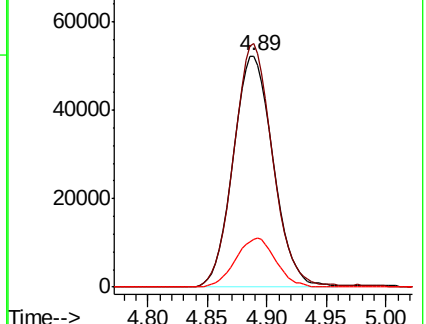
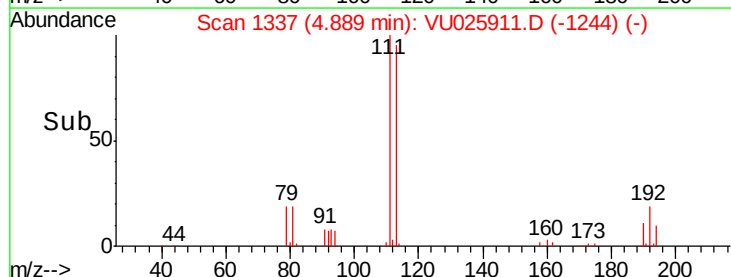
192 21.2 17.1 25.7

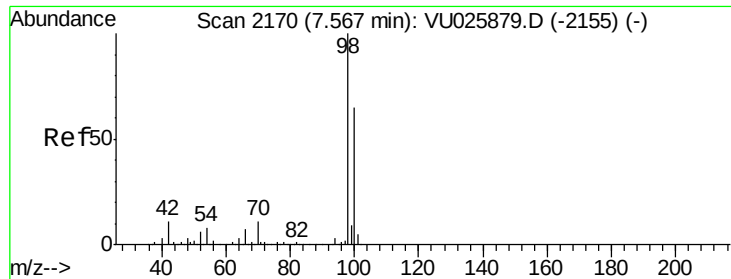


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

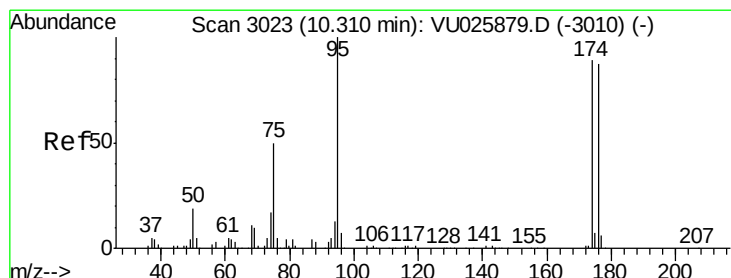
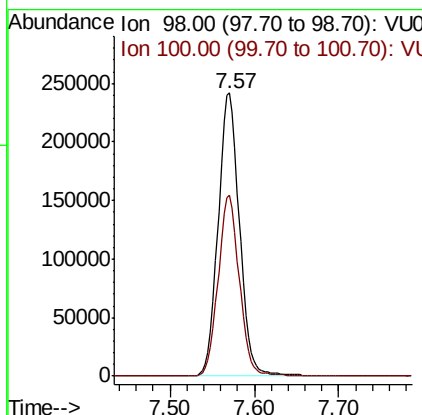
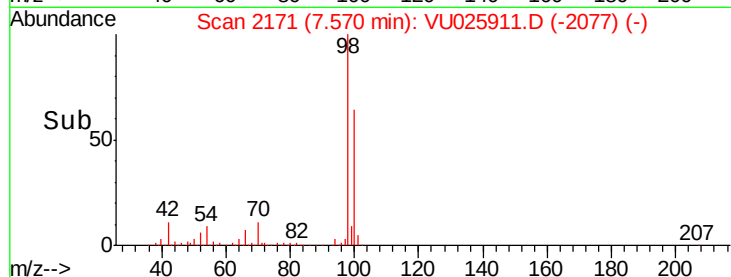
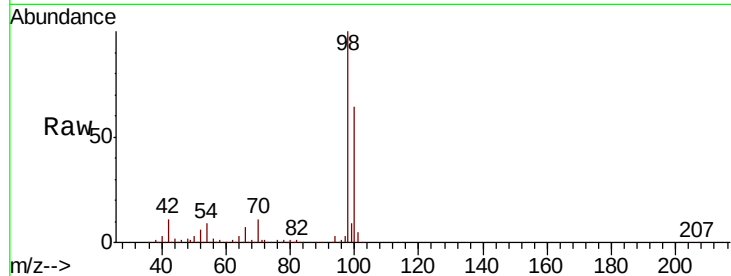




#50  
Toluene-d8  
Concen: 48.87 ug/l  
RT: 7.57 min Scan# 2171  
Delta R.T. 0.00 min  
Lab File: VU025911.D  
Acq: 07 Aug 2018 01:54

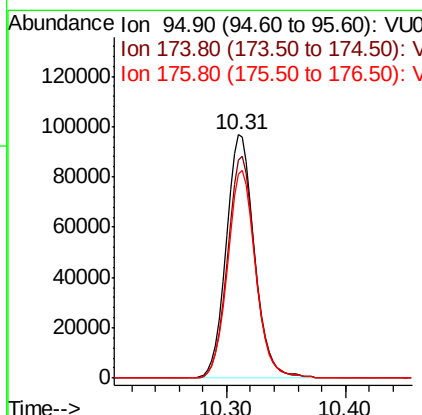
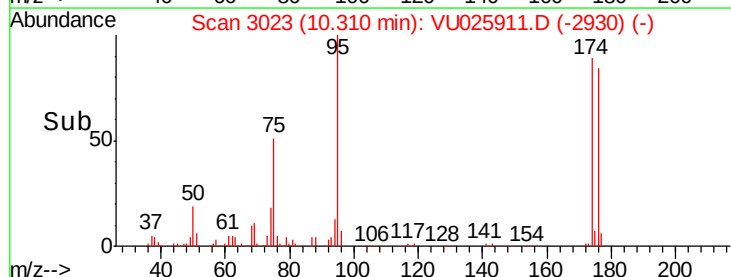
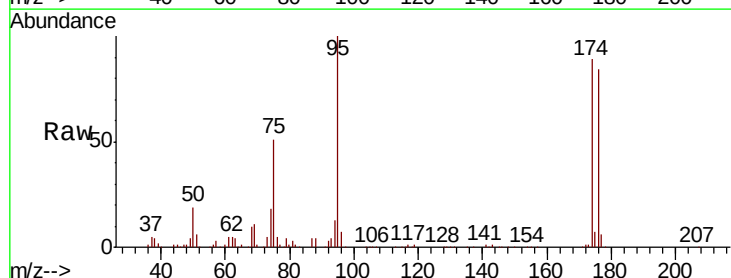
Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-TB-2018-4

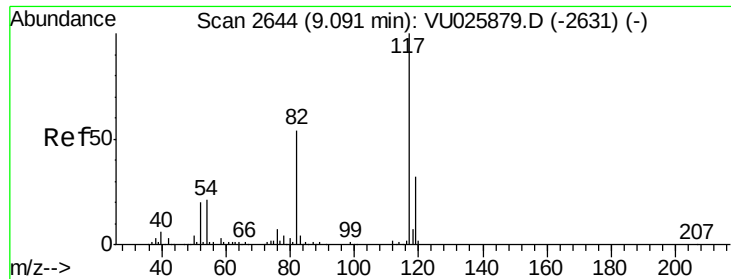
Tot Ion: 98 Resp: 426699  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 46.76 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. 0.00 min  
Lab File: VU025911.D  
Acq: 07 Aug 2018 01:54

Tgt Ion: 95 Resp: 158452  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 172.2  
176 85.3 0.0 162.6

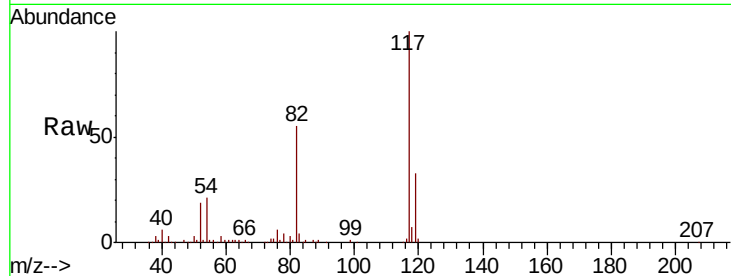




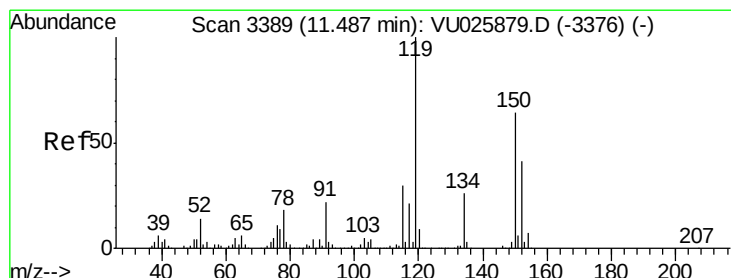
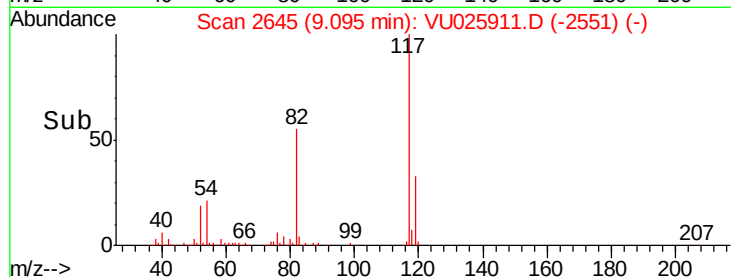
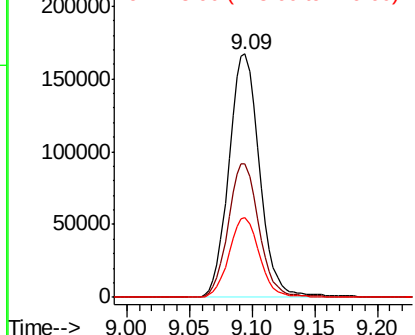
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VU025911.D  
Acq: 07 Aug 2018 01:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-TB-2018-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.7  | 46.0  | 69.0  |
| 119     | 32.6  | 26.0  | 39.0  |

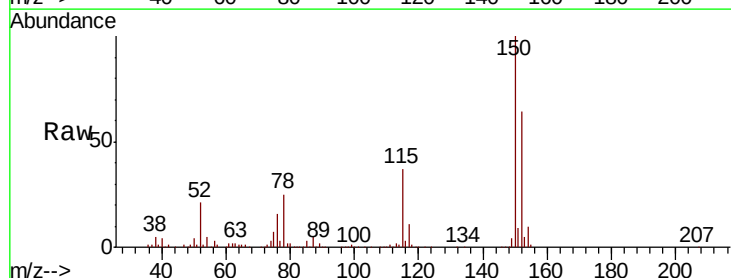


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.49 min Scan# 3389  
Delta R.T. 0.00 min  
Lab File: VU025911.D  
Acq: 07 Aug 2018 01:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.2  | 40.1  | 120.3 |
| 150     | 156.8 | 0.0   | 351.4 |



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

