

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\  
 Data File : VU025113.D  
 Acq On : 01 Jul 2018 02:30  
 Operator : MD/SY  
 Sample : J3789-10  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Jul 02 09:21:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:55:26 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 215936   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 319532   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 295109   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 151282   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 161934   | 45.94 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.88% |      |
| 35) Dibromofluoromethane    | 4.89   | 113 | 124812   | 47.07 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.14% |      |
| 50) Toluene-d8              | 7.57   | 98  | 462517   | 47.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.64% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 167889   | 43.71 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.42% |      |

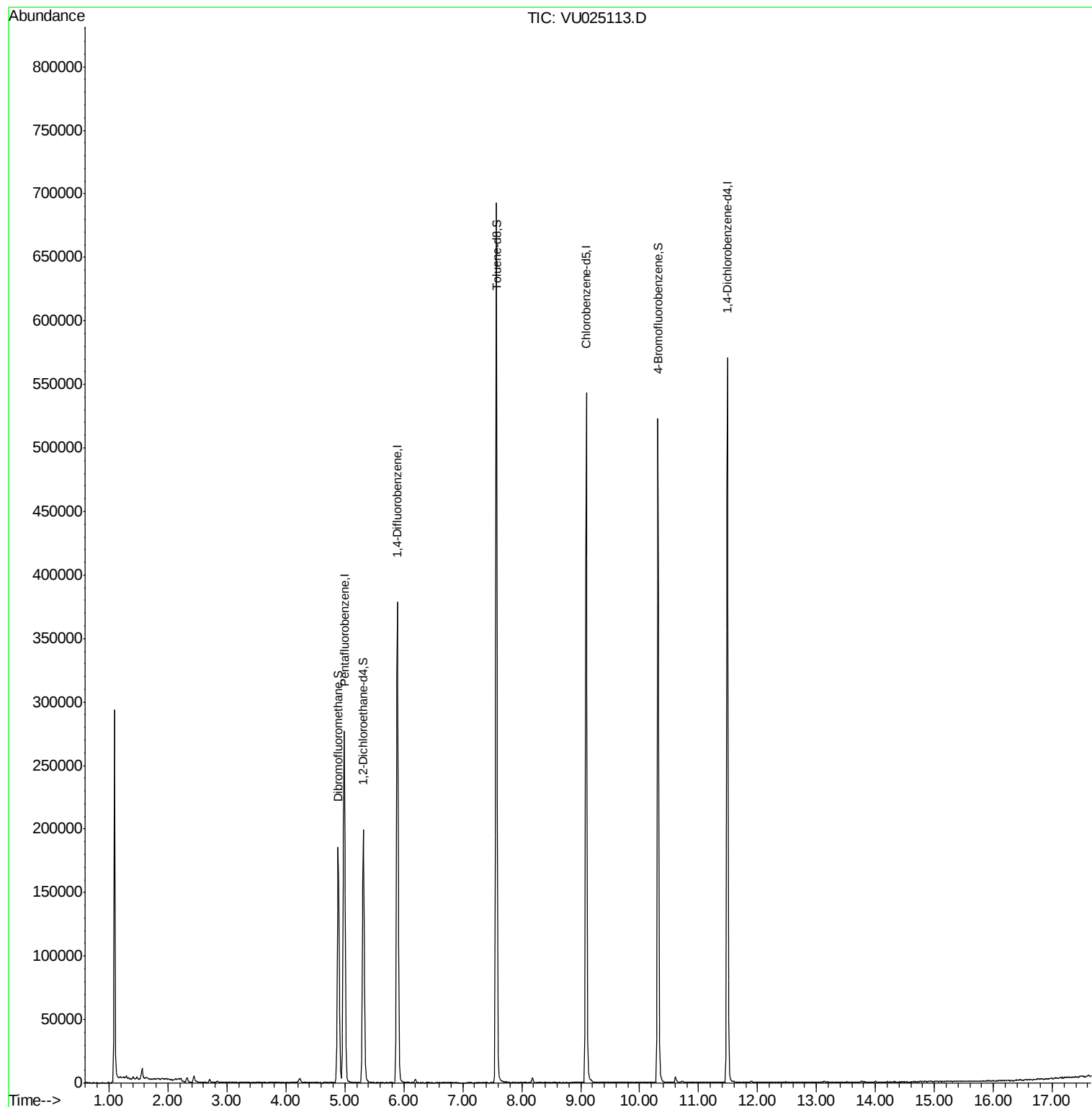
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
QLast Update : Wed Jun 13 13:55:26 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: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA\_U

ClientSampleId :

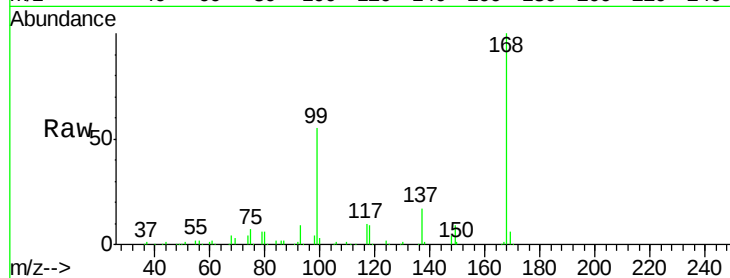
TRIP-BLANK

Tot Ion:168 Resp: 215936

Ion Ratio Lower Upper

168 100

99 55.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

100000

80000

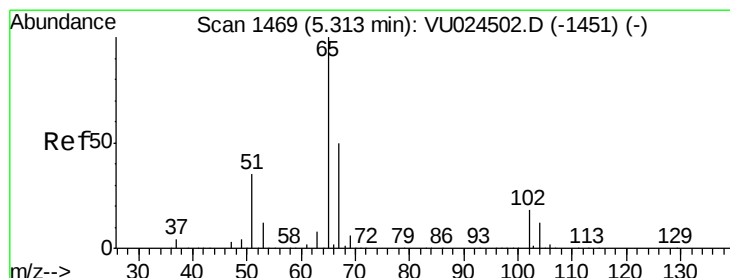
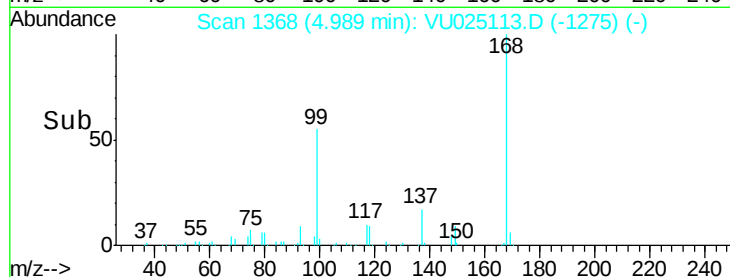
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.94 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025113.D

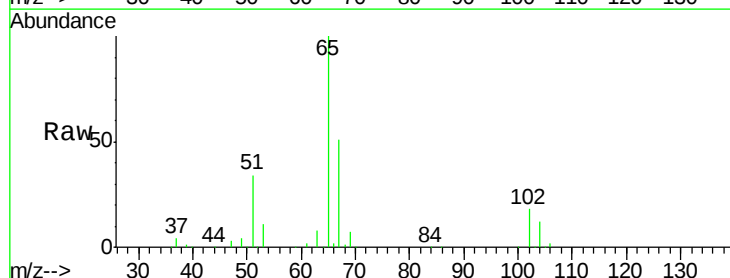
Acq: 01 Jul 2018 02:30

Tgt Ion: 65 Resp: 161934

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D

Ion 66.90 (66.60 to 67.60): VU024502.D

5.31

80000

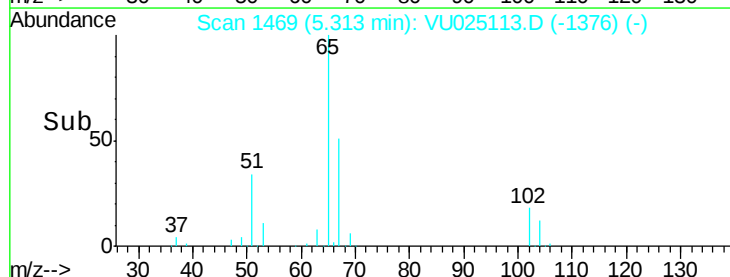
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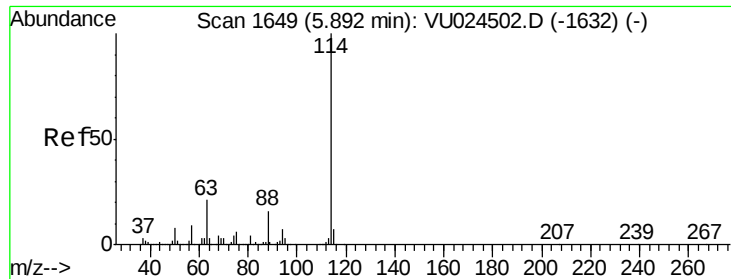
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20000

0

Time-->

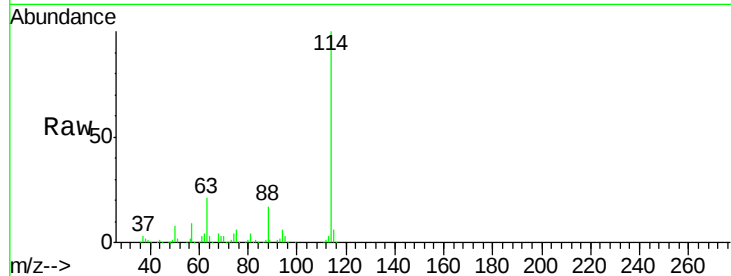




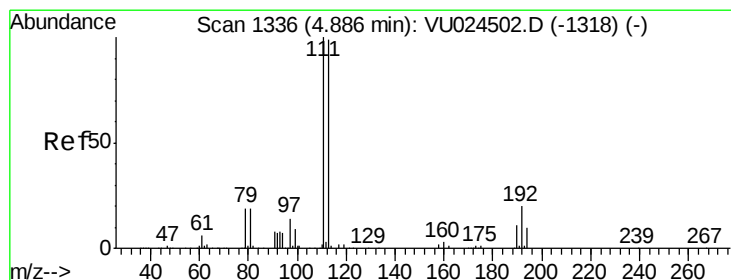
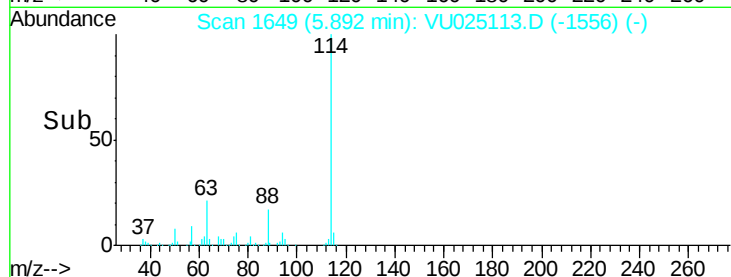
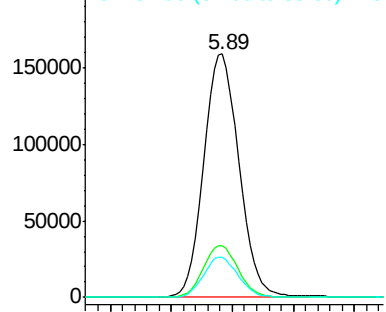
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1649  
 Delta R.T. -0.00 min  
 Lab File: VU025113.D  
 Acq: 01 Jul 2018 02:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-BLANK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.3  | 0.0   | 45.4  |
| 88      | 16.5  | 0.0   | 31.0  |

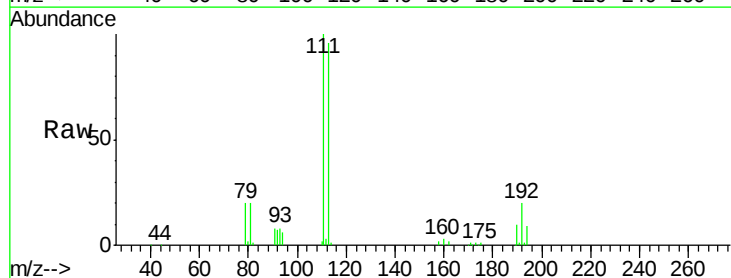


Abundance Ion 113.90 (113.60 to 114.60): V

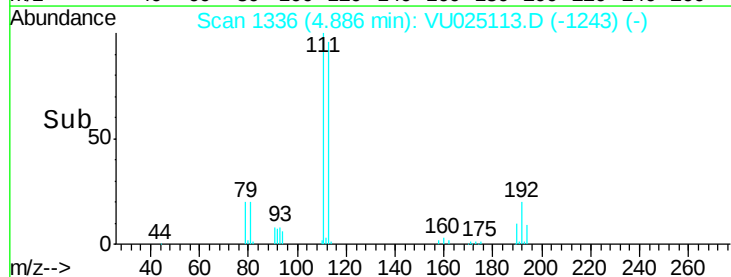
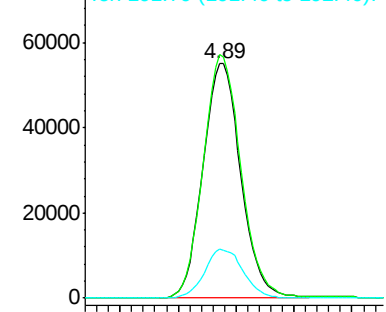


#35  
 Dibromofluoromethane  
 Concen: 47.07 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: VU025113.D  
 Acq: 01 Jul 2018 02:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 82.2  | 123.4 |
| 192     | 21.3  | 16.2  | 24.4  |



Abundance Ion 112.80 (112.50 to 113.50): V

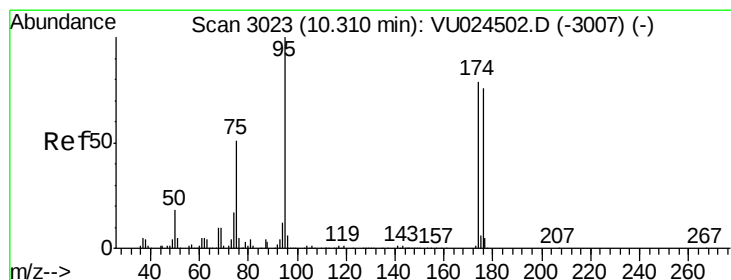
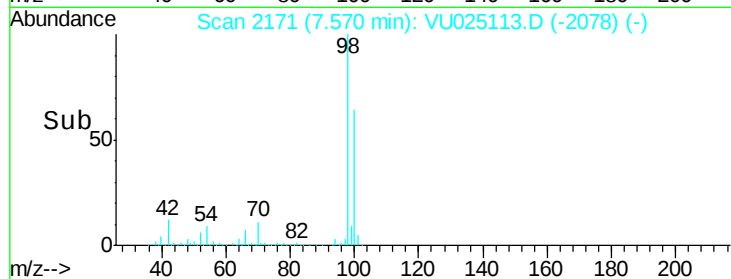
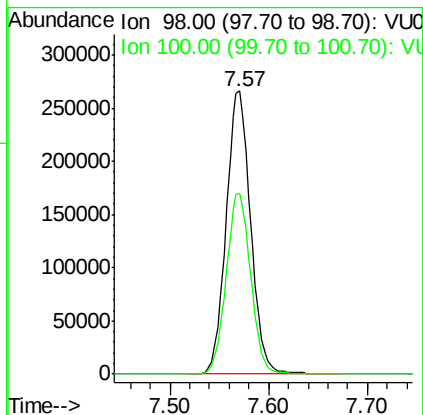
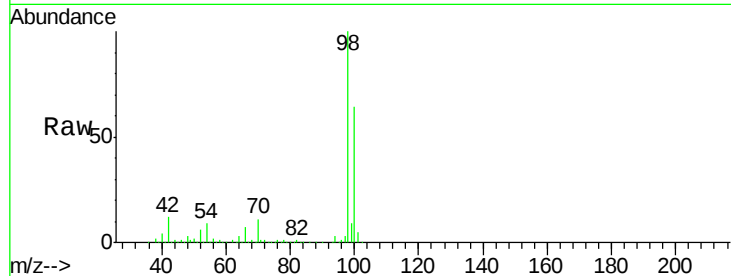




#50  
Toluene-d8  
Concen: 47.82 ug/l  
RT: 7.57 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: VU025113.D  
Acq: 01 Jul 2018 02:30

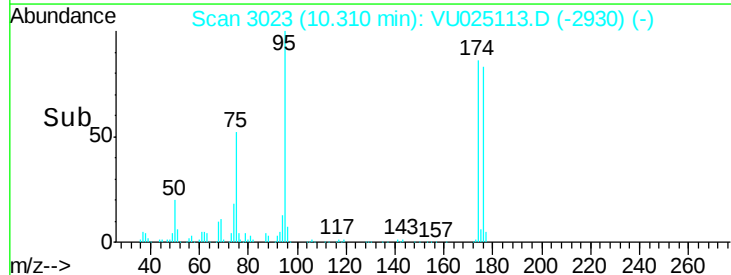
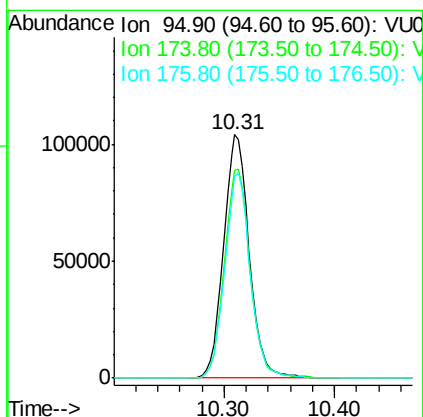
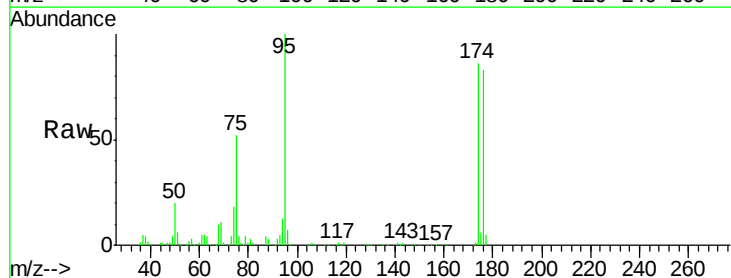
Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

Tot Ion: 98 Resp: 462517  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 43.71 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU025113.D  
Acq: 01 Jul 2018 02:30

Tgt Ion: 95 Resp: 167889  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 165.8  
176 83.8 0.0 159.4

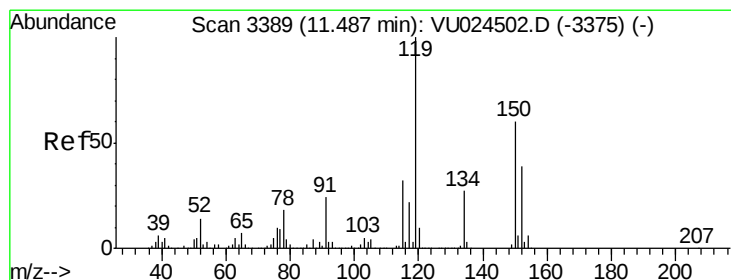
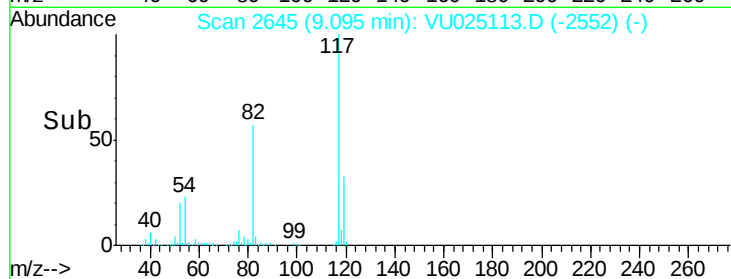
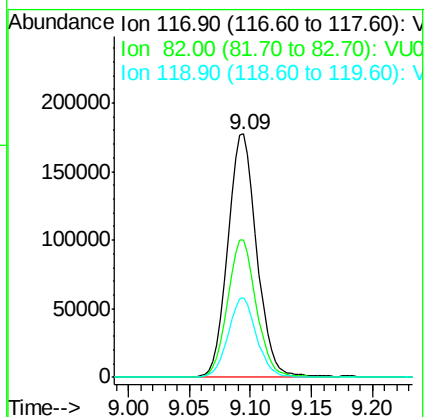
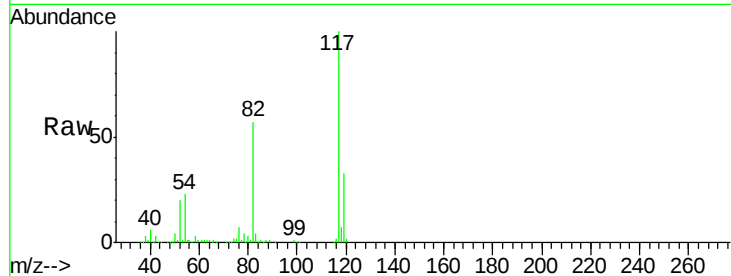




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. -0.00 min  
Lab File: VU025113.D  
Acq: 01 Jul 2018 02:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.6  | 44.3  | 66.5  |
| 119     | 32.9  | 25.4  | 38.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.49 min Scan# 3389  
Delta R.T. -0.00 min  
Lab File: VU025113.D  
Acq: 01 Jul 2018 02:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.3  | 43.0  | 129.0 |
| 150     | 155.5 | 0.0   | 354.0 |

