

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031720\  
 Data File : VX015314.D  
 Acq On : 17 Mar 2020 11:07  
 Operator : JC/SP  
 Sample : L1919-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Mar 18 02:07:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 299367   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 485357   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 469187   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 232573   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 174722   | 49.20 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.40%  |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 149209   | 48.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.46%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 587242   | 50.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.84% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 215541   | 51.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.76% |      |

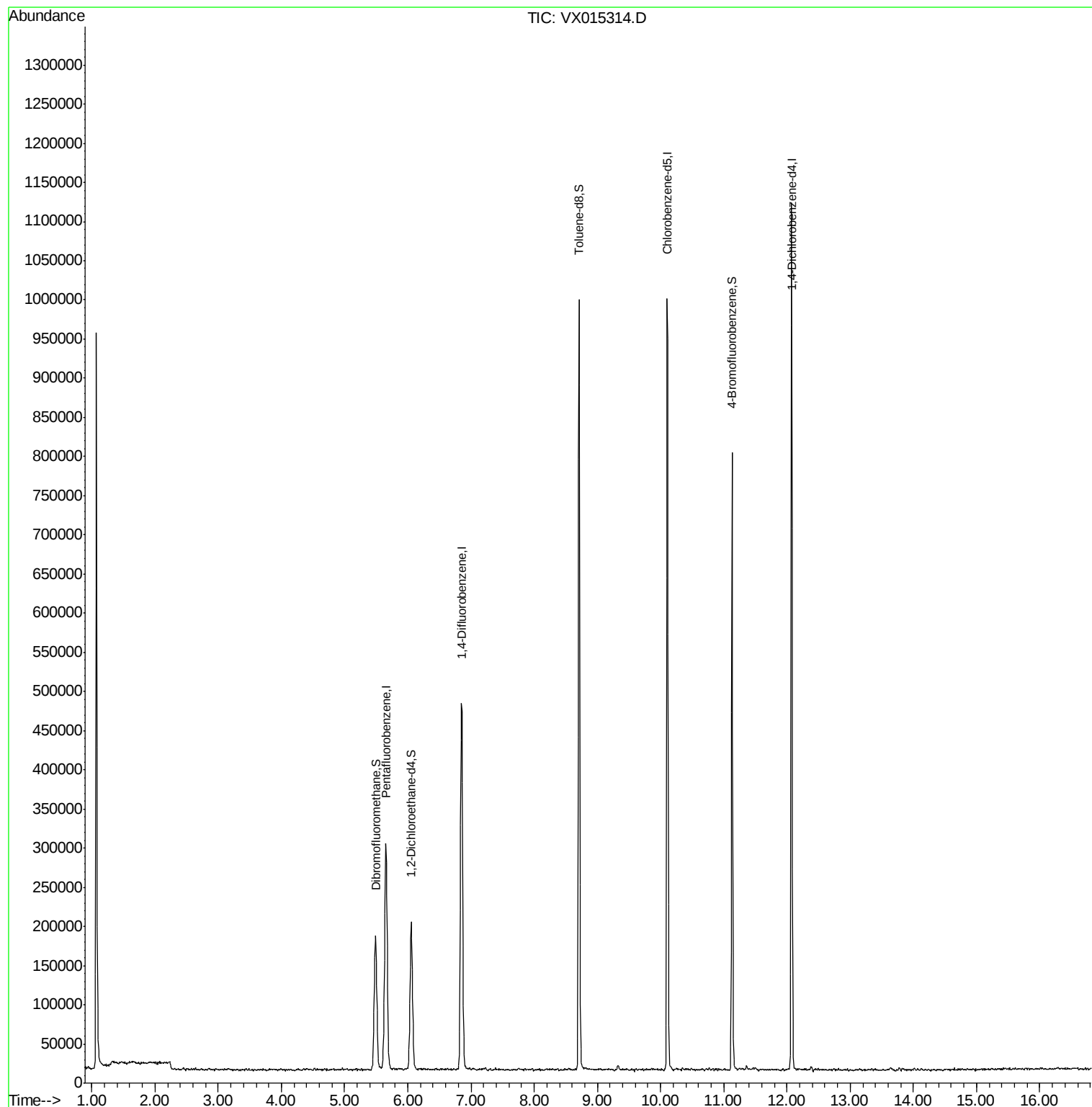
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

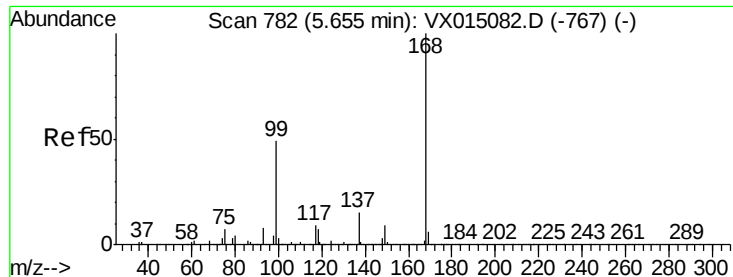
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Quant Time: Mar 18 02:07:58 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 04 14:19:10 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA\_X

ClientSampleId :

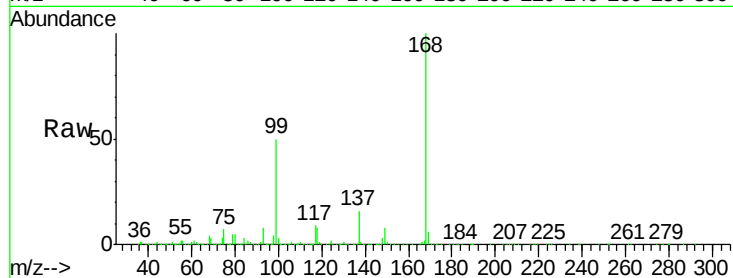
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 299367

Ion Ratio Lower Upper

168 100

99 50.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

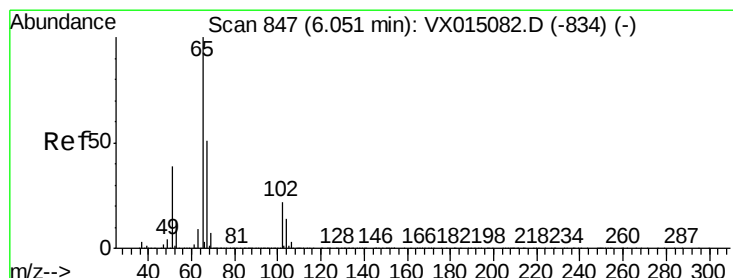
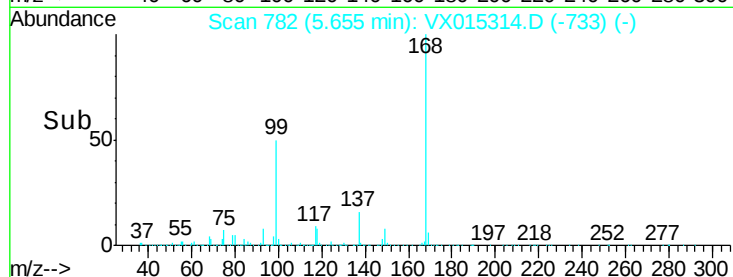
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.195 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015314.D

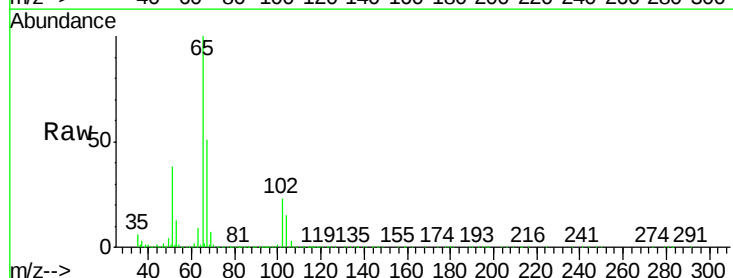
Acq: 17 Mar 2020 11:07

Tgt Ion: 65 Resp: 174722

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

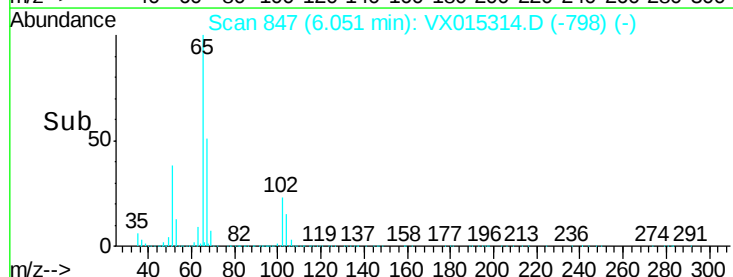
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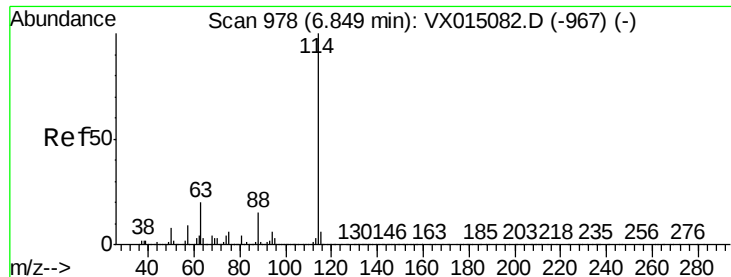
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

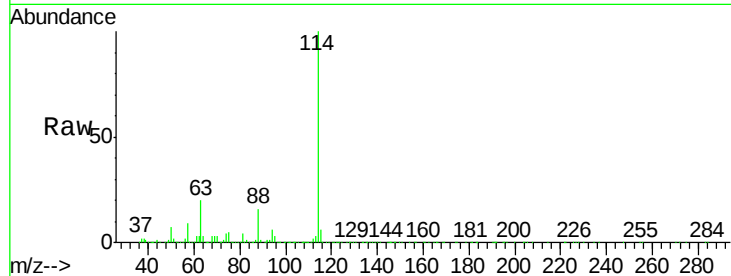
Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

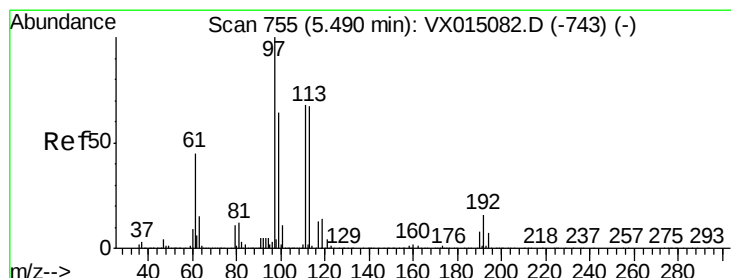
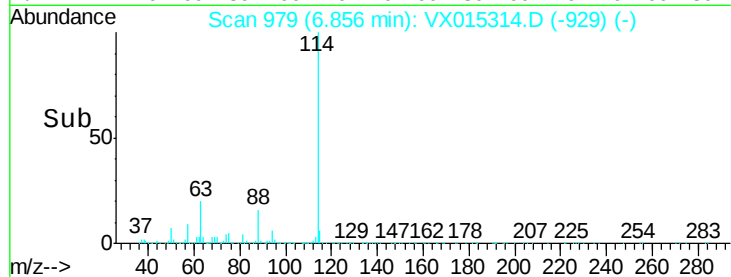
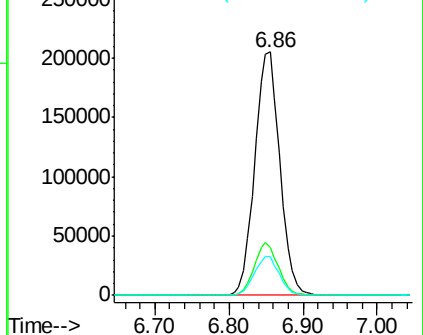
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 114   | Resp: | 485357 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.8  | 0.0   | 40.0   |
| 88       | 16.0  | 0.0   | 30.6   |



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.730 ug/l

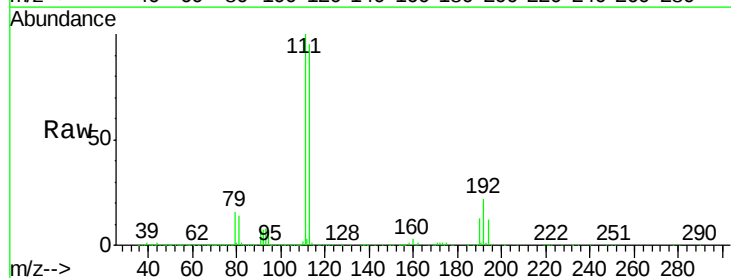
RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

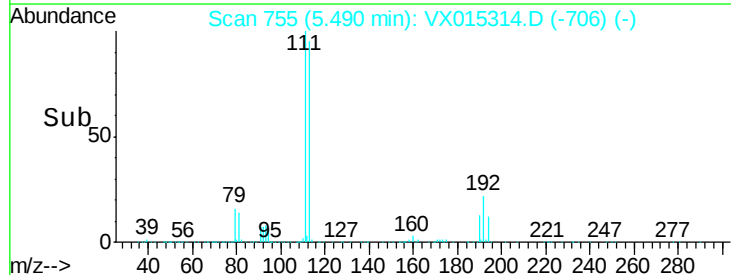
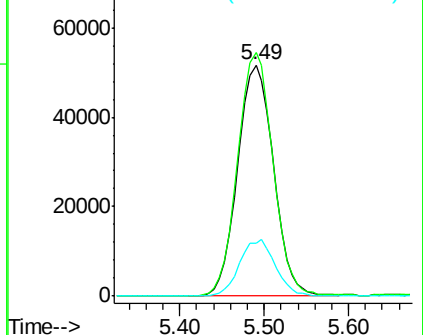
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 149209 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.5 | 82.6  | 123.8  |
| 192      | 24.4  | 18.6  | 28.0   |

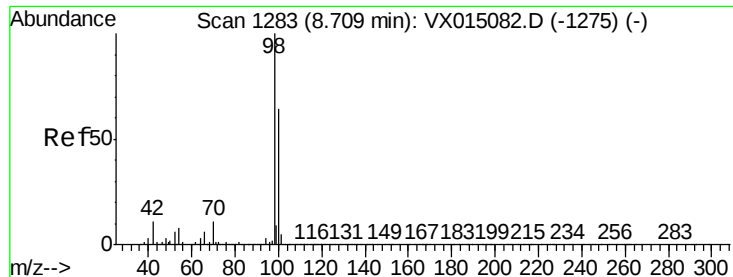


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

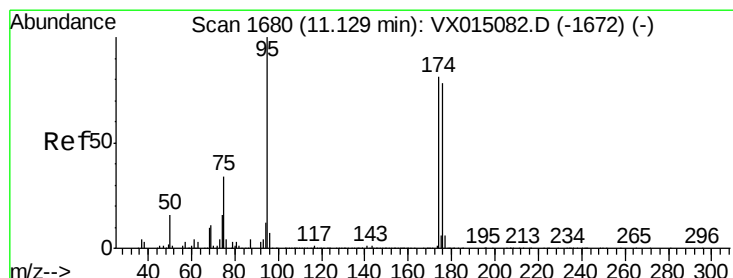
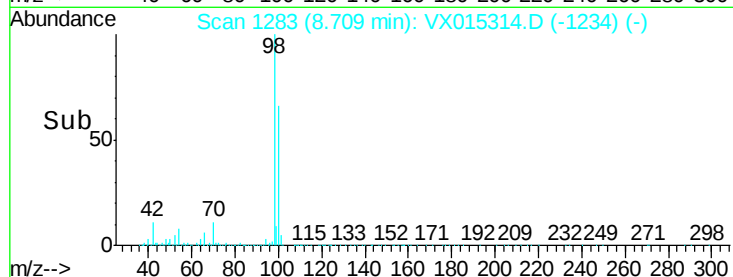
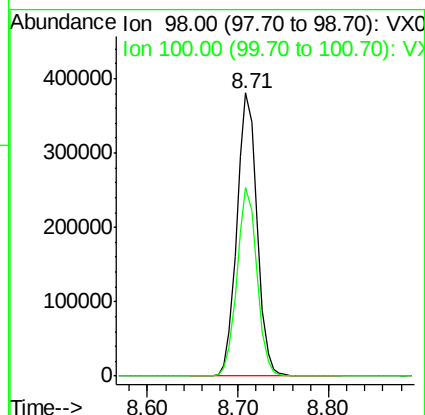
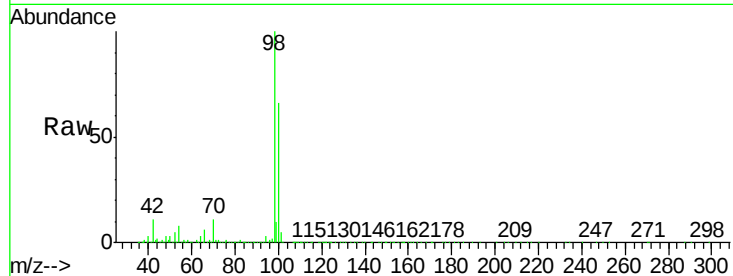




#50  
Toluene-d8  
Concen: 50.419 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX015314.D  
Acq: 17 Mar 2020 11:07

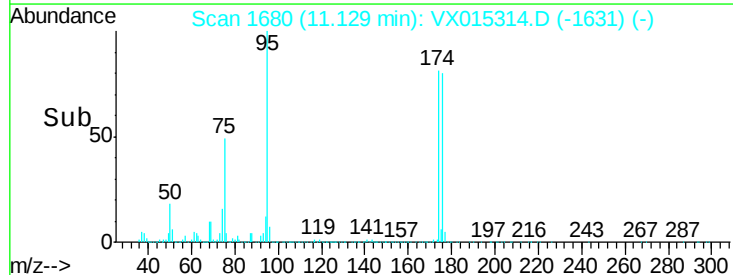
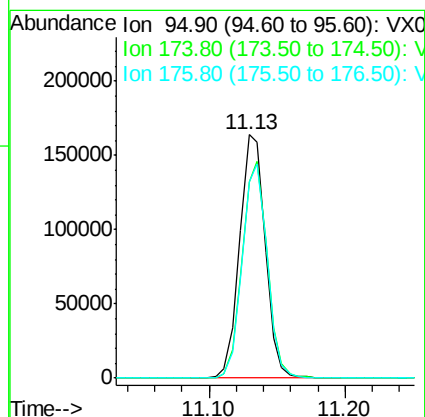
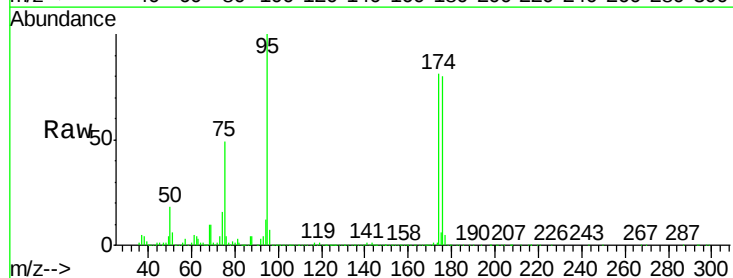
Instrument :  
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STORAGE-BLANK-WATER-REF-5

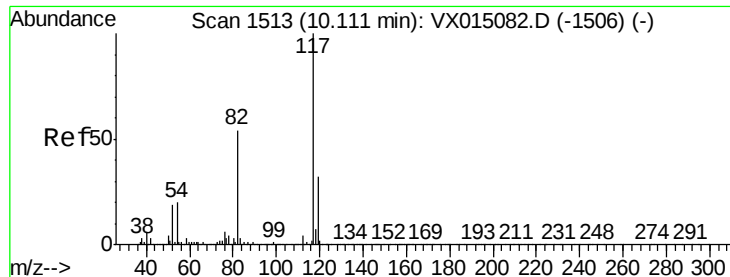
Tot Ion: 98 Resp: 587242  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 51.882 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VX015314.D  
Acq: 17 Mar 2020 11:07

Tgt Ion: 95 Resp: 215541  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 177.6  
176 85.5 0.0 170.2

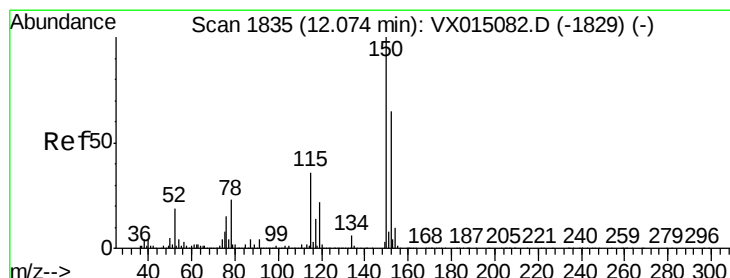
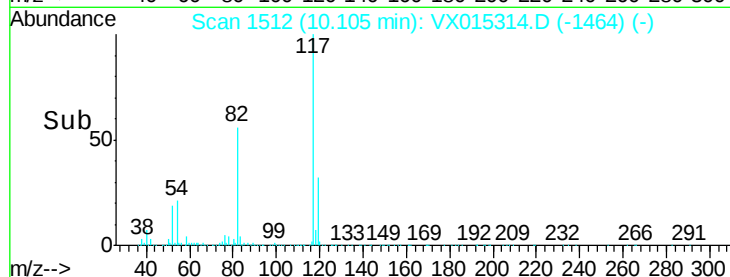
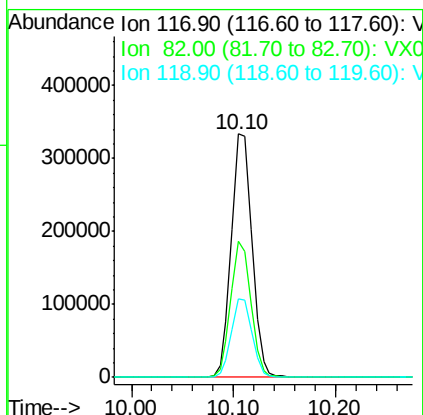
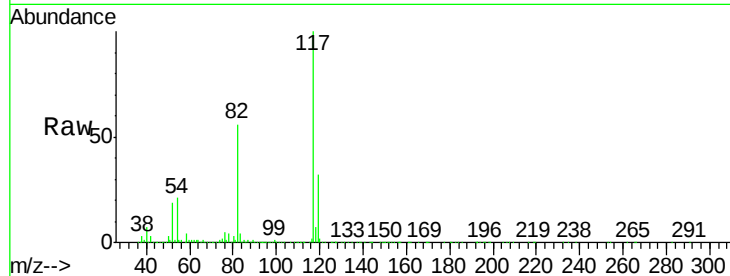




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX015314.D  
Acq: 17 Mar 2020 11:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.9  | 43.3  | 64.9  |
| 119     | 32.4  | 25.8  | 38.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX015314.D  
Acq: 17 Mar 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.7  | 38.2  | 114.6 |
| 150     | 156.1 | 0.0   | 343.8 |

