

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\  
 Data File : VX000846.D  
 Acq On : 13 Apr 2018 13:52  
 Operator : JC/MD  
 Sample : J2133-07 LOD-MDL 0.5PPB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT2-2018

Quant Time: Apr 14 10:43:36 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 Response via : Initial Calibration

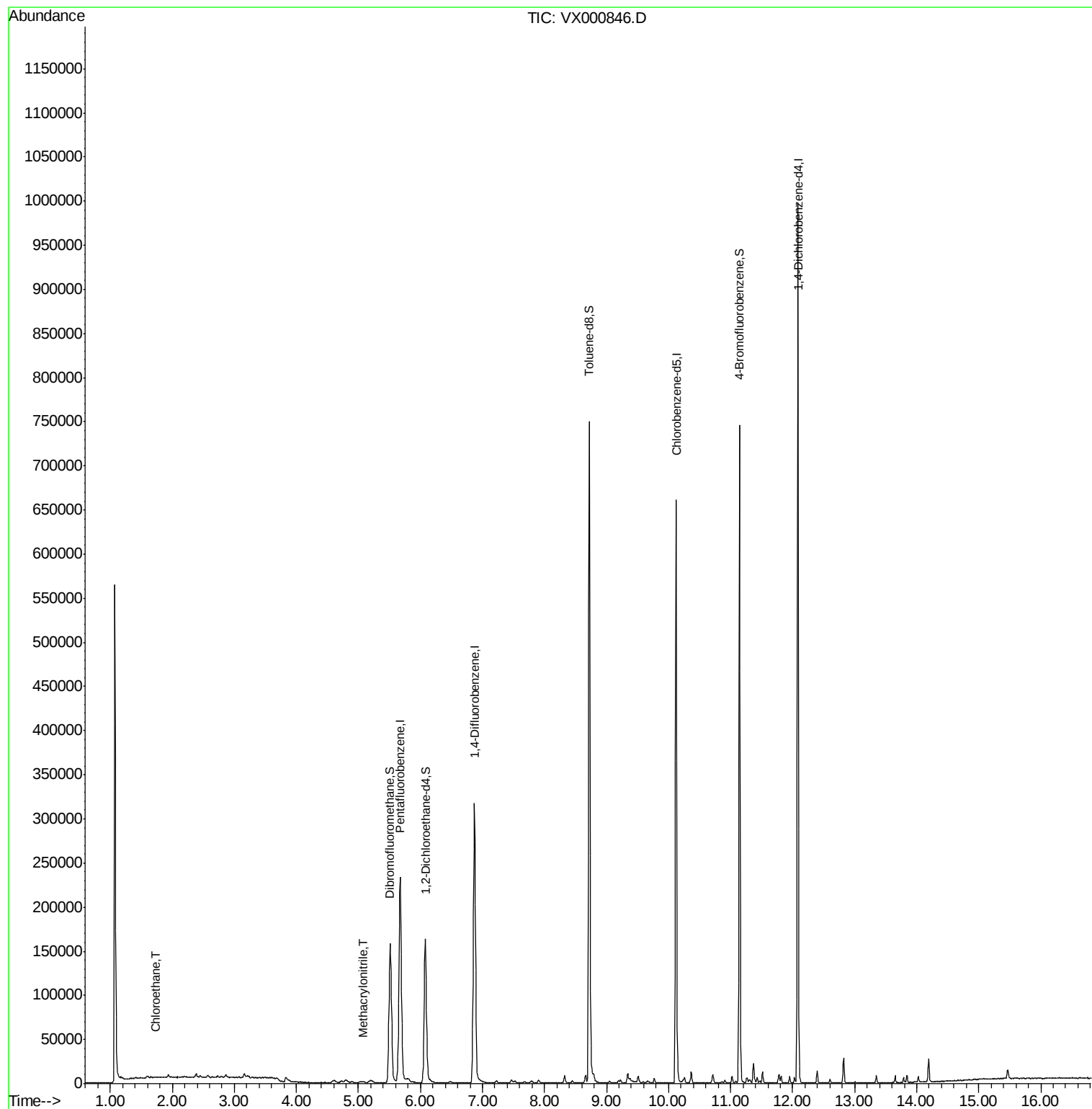
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 251683   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 340702   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 317875   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 211108   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 157983   | 49.78 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.56% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 129061   | 49.17 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.34% |          |
| 50) Toluene-d8              | 8.72  | 98   | 474639   | 48.56 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.12% |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 188781   | 46.69 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.38% |          |
| Target Compounds            |       |      |          |       |        |          |
| 6) Chloroethane             | 1.73  | 64   | 2052     | 1.24  | ug/l # | 82       |
| 41) Methacrylonitrile       | 5.07  | 41   | 940      | 0.44  | ug/l # | 61       |

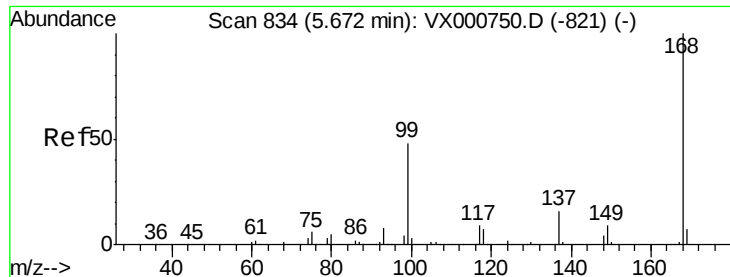
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LOD-MDL-WATER-01-QT2-2018

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Quant Title : SW846 8260  
QLast Update : Tue Apr 10 15:49:28 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

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Instrument :

MSVOA\_X

ClientSampleId :

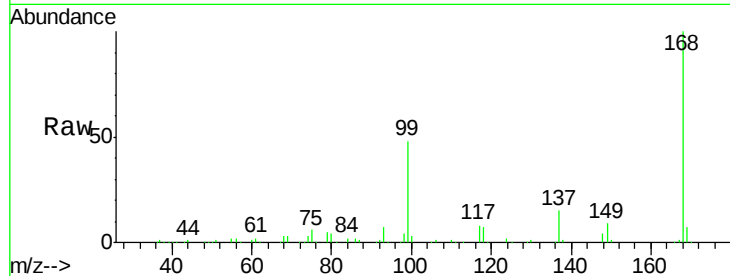
LOD-MDL-WATER-01-QT2-2018

Tot Ion:168 Resp: 251683

Ion Ratio Lower Upper

168 100

99 48.0 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

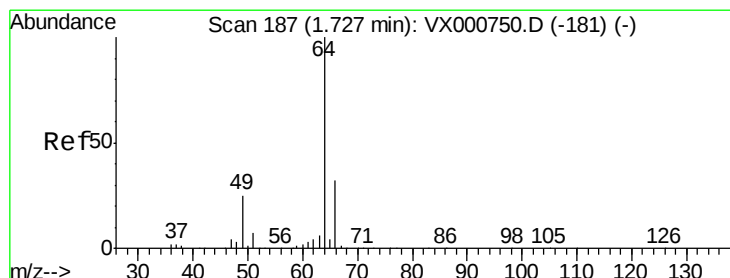
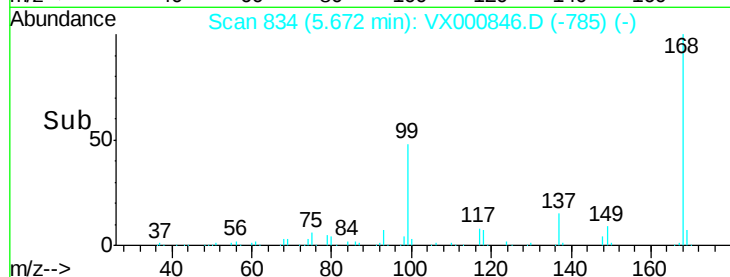
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: 1.24 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000846.D

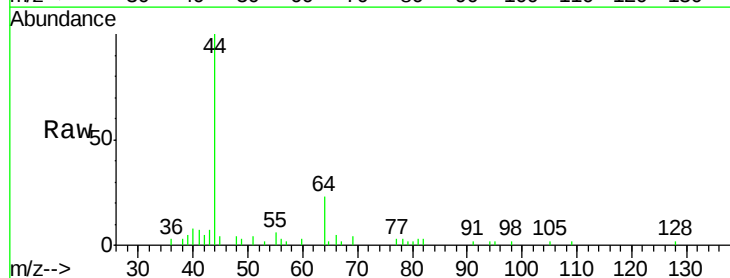
Acq: 13 Apr 2018 13:52

Tgt Ion: 64 Resp: 2052

Ion Ratio Lower Upper

64 100

66 21.9 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

800

600

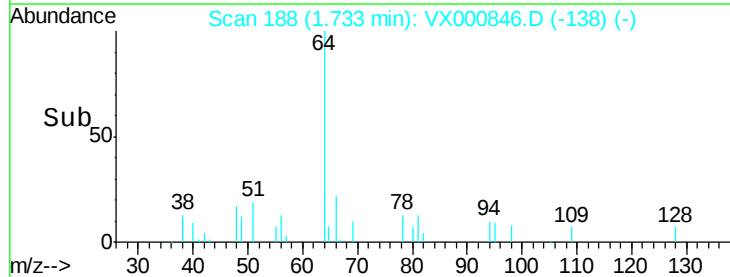
400

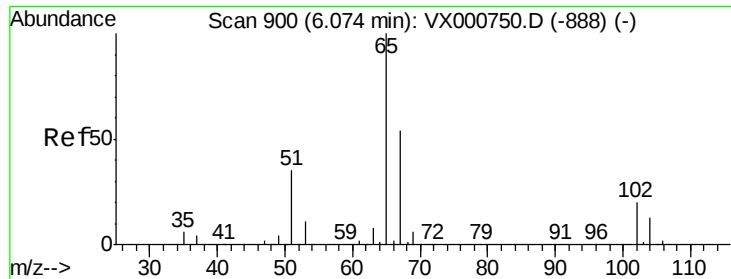
200

0

Time-->

1.60 1.65 1.70 1.75





#33

1,2-Dichloroethane-d4

Concen: 49.78 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000846.D

Acq: 13 Apr 2018 13:52

Instrument :

MSVOA\_X

ClientSampleId :

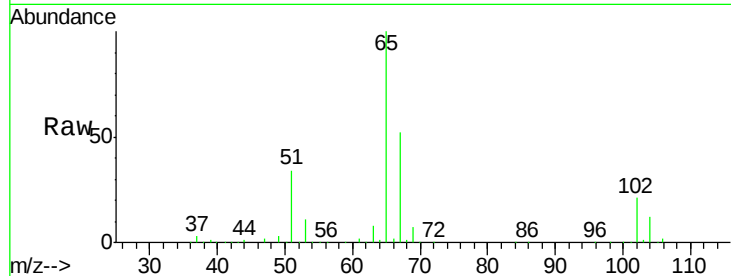
LOD-MDL-WATER-01-QT2-2018

Tot Ion: 65 Resp: 157983

Ion Ratio Lower Upper

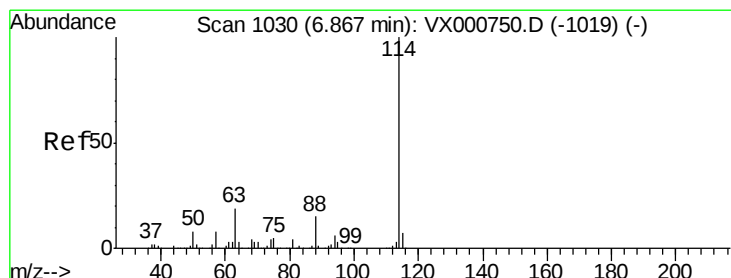
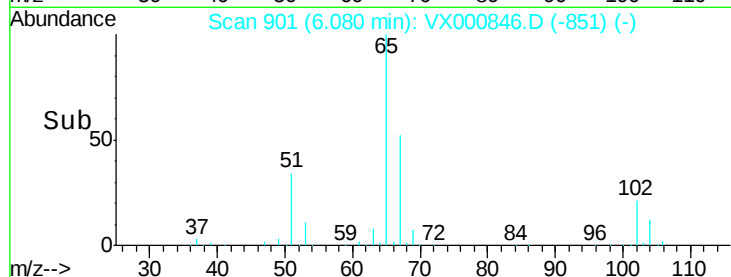
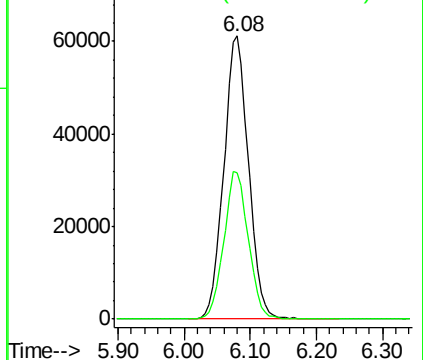
65 100

67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000846.D

Acq: 13 Apr 2018 13:52

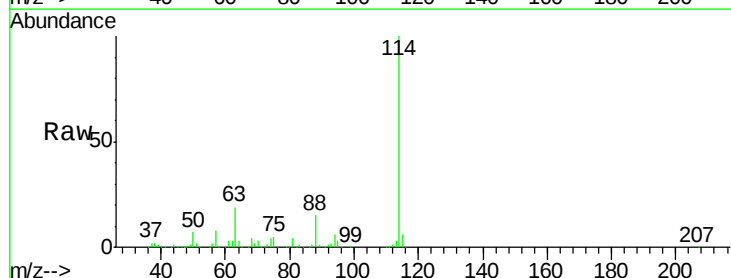
Tgt Ion: 114 Resp: 340702

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

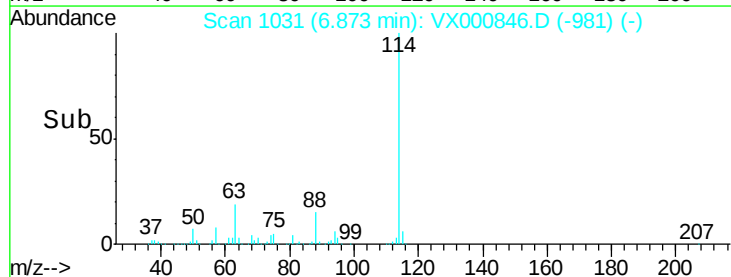
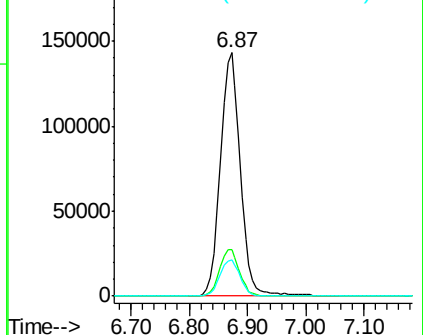
88 15.1 0.0 31.0

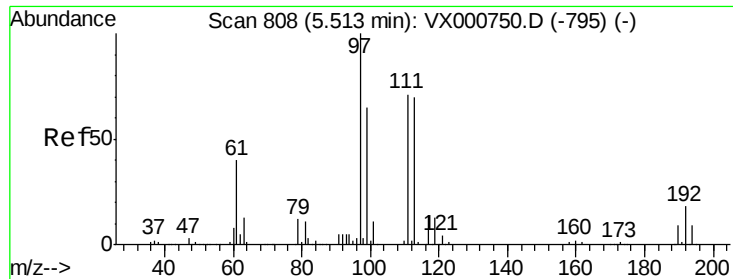


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

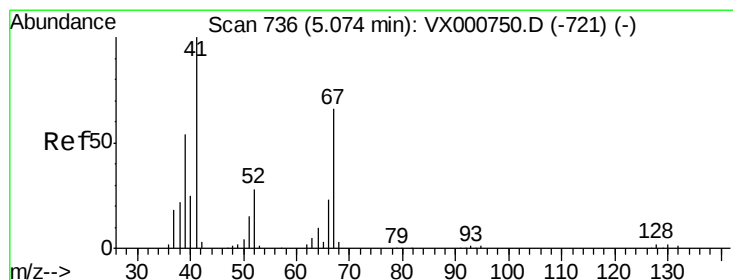
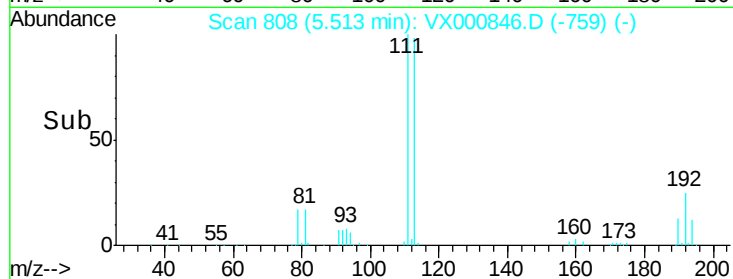
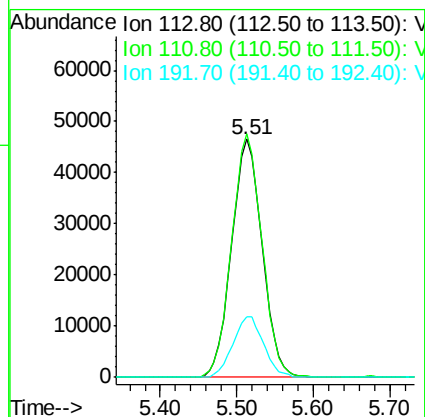
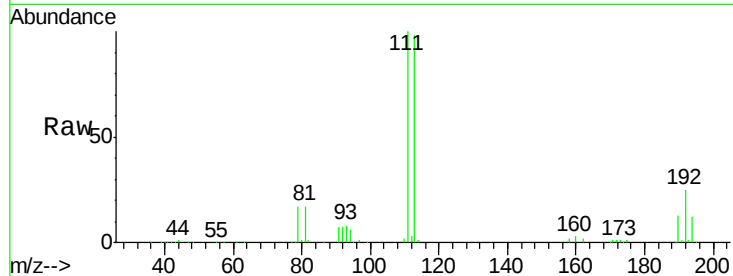




#35  
 Dibromofluoromethane  
 Concen: 49.17 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX000846.D  
 Acq: 13 Apr 2018 13:52

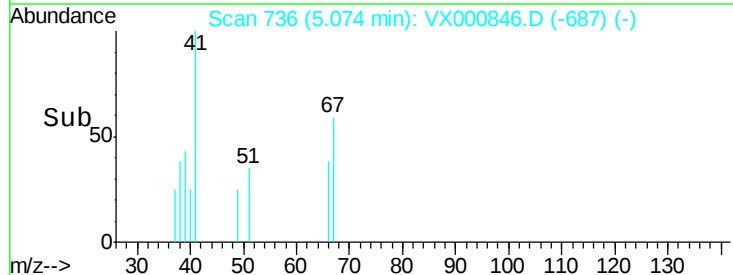
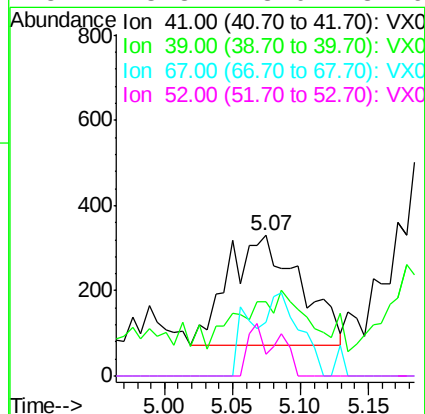
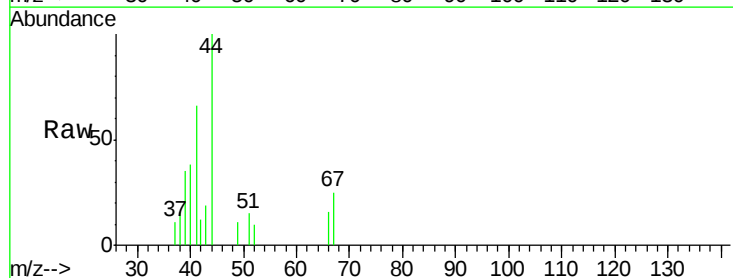
Instrument :  
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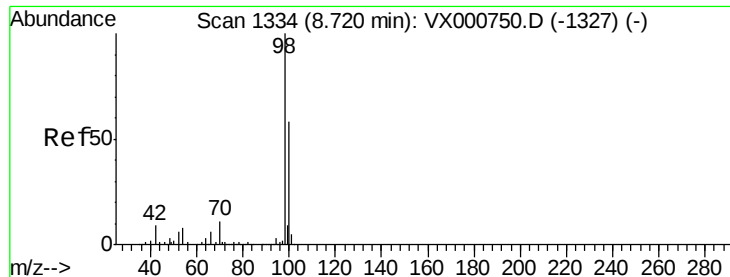
Tot Ion:113 Resp: 129061  
 Ion Ratio Lower Upper  
 113 100  
 111 101.2 81.5 122.3  
 192 25.6 20.4 30.6



#41  
 Methacrylonitrile  
 Concen: 0.44 ug/l  
 RT: 5.07 min Scan# 736  
 Delta R.T. -0.00 min  
 Lab File: VX000846.D  
 Acq: 13 Apr 2018 13:52

Tgt Ion: 41 Resp: 940  
 Ion Ratio Lower Upper  
 41 100  
 39 25.4 44.9 67.3#  
 67 35.7 54.7 82.1#  
 52 13.3 23.0 34.6#

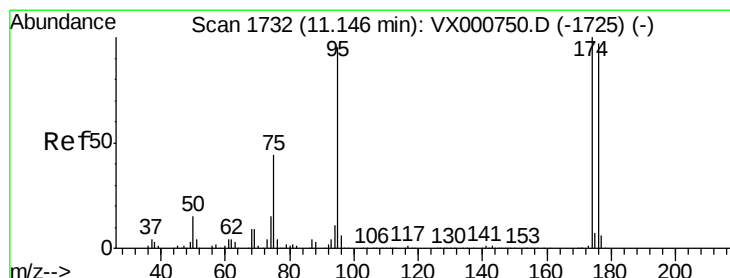
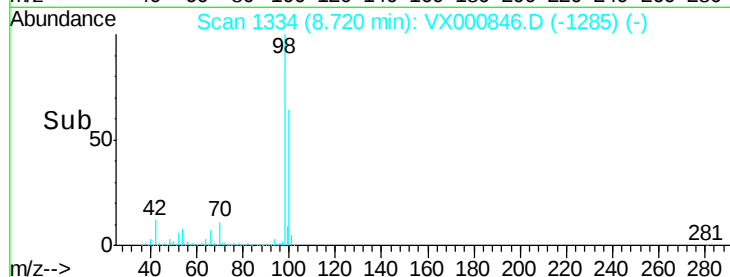
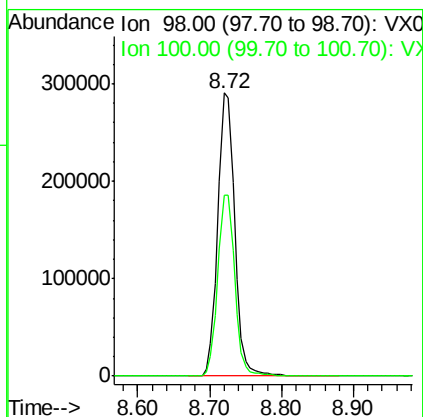
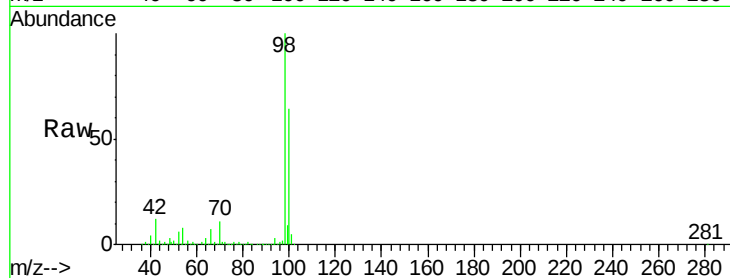




#50  
Toluene-d8  
Concen: 48.56 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX000846.D  
Acq: 13 Apr 2018 13:52

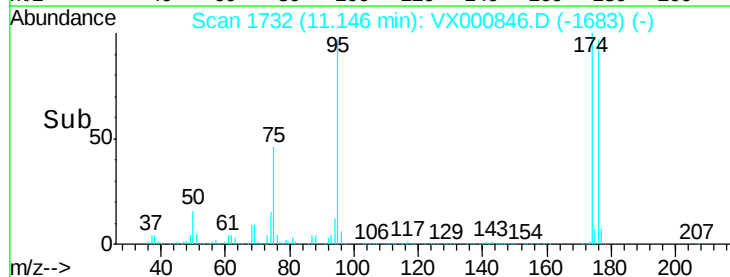
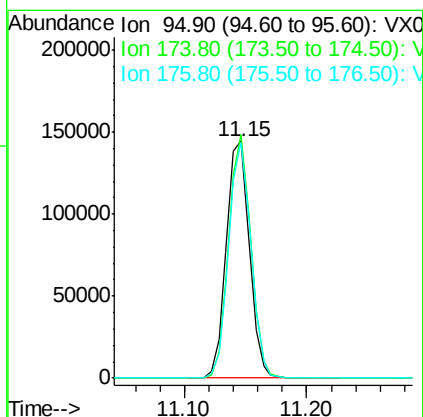
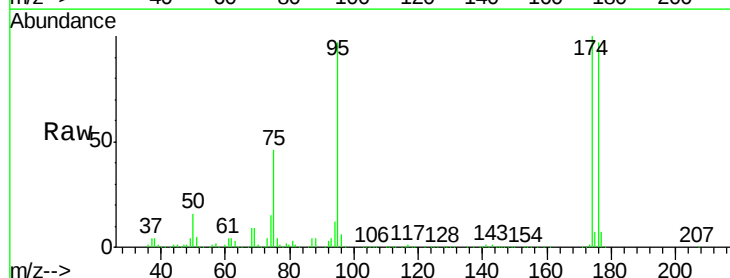
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2018

Tot Ion: 98 Resp: 474639  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.6 79.0



#62  
4-Bromofluorobenzene  
Concen: 46.69 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VX000846.D  
Acq: 13 Apr 2018 13:52

Tgt Ion: 95 Resp: 188781  
Ion Ratio Lower Upper  
95 100  
174 98.2 0.0 198.4  
176 95.6 0.0 194.4

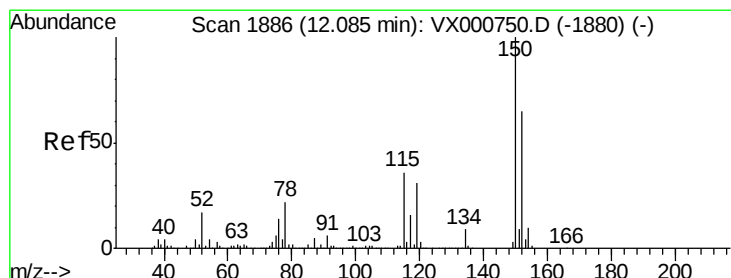
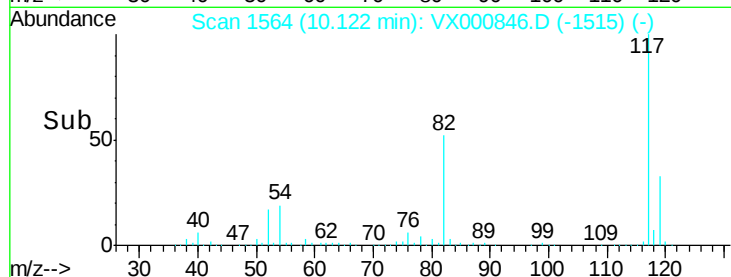
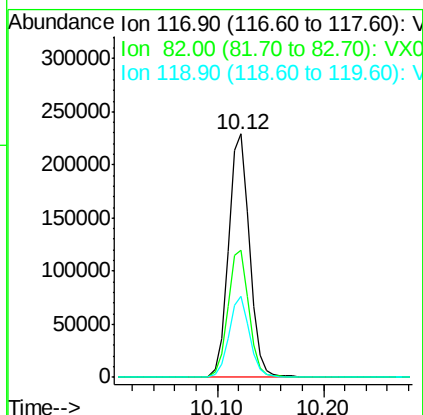
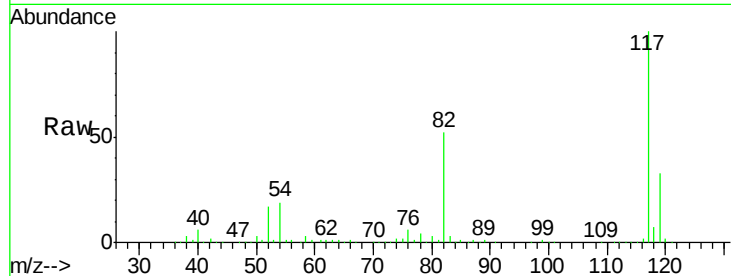




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000846.D  
Acq: 13 Apr 2018 13:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2018

Tot Ion:117 Resp: 317875  
Ion Ratio Lower Upper  
117 100  
82 52.1 41.9 62.9  
119 33.2 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX000846.D  
Acq: 13 Apr 2018 13:52

Tgt Ion:152 Resp: 211108  
Ion Ratio Lower Upper  
152 100  
115 53.7 37.9 113.7  
150 156.9 0.0 348.0

