

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042318\  
 Data File : VX001068.D  
 Acq On : 23 Apr 2018 19:18  
 Operator : JC/MD  
 Sample : J2464-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS043MW010-180418

Quant Time: Apr 24 08:30:10 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 20 05:03:28 2018  
 Response via : Initial Calibration

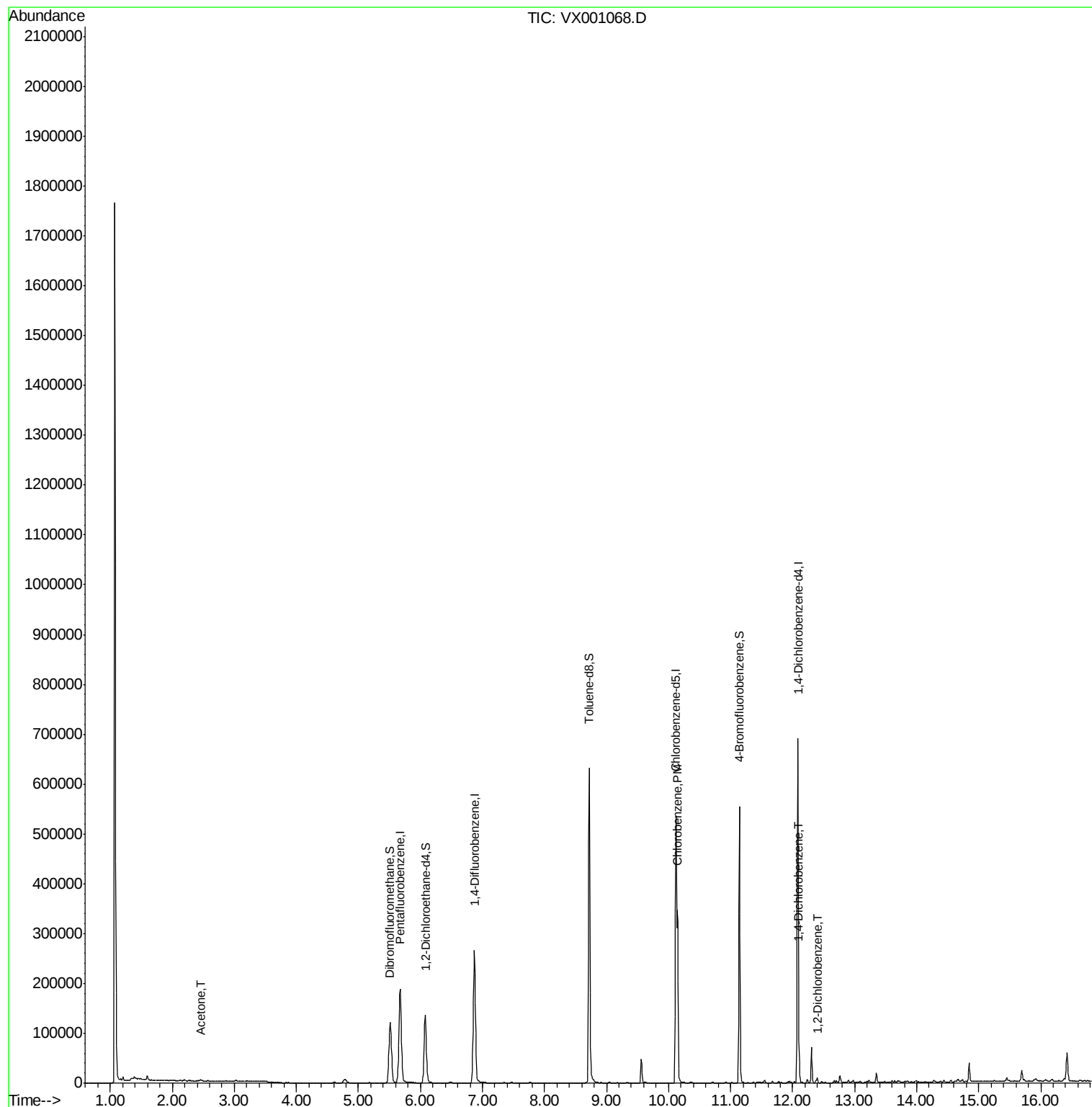
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 200754   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 278702   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 251531   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 146698   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 131696   | 51.75 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.50% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 101106   | 47.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.14%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 390319   | 49.67 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.34%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 139201   | 42.21 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.42%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 2689     | 2.81  | ug/l    | 94       |
| 65) Chlorobenzene           | 10.15 | 112  | 145809   | 21.77 | ug/l    | 99       |
| 88) 1,4-Dichlorobenzene     | 12.10 | 146  | 17370    | 3.25  | ug/l    | 92       |
| 91) 1,2-Dichlorobenzene     | 12.40 | 146  | 2926     | 0.58  | ug/l    | 96       |

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

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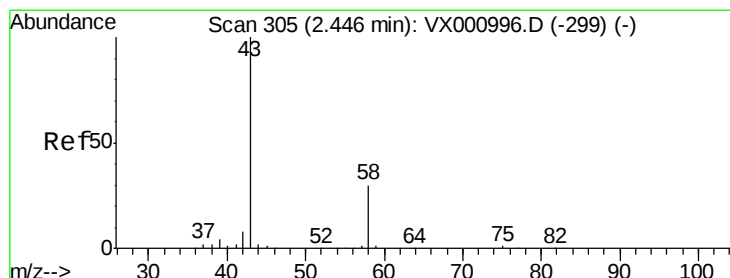
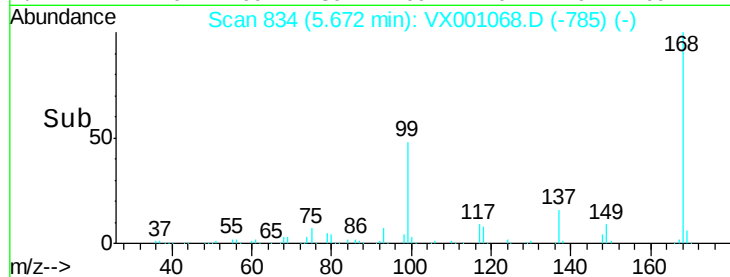
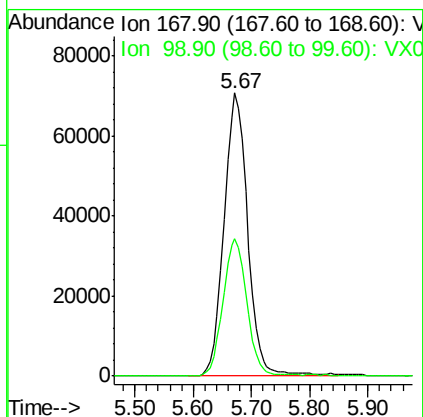
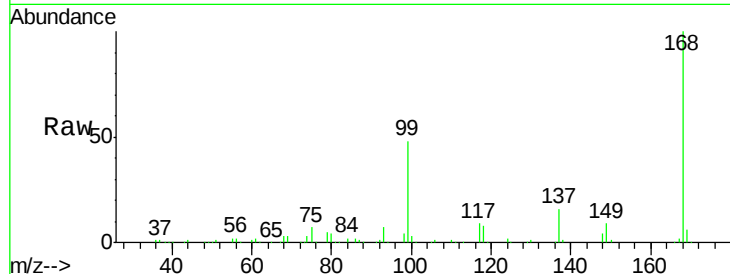




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.67 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: VX001068.D  
Acq: 23 Apr 2018 19:18

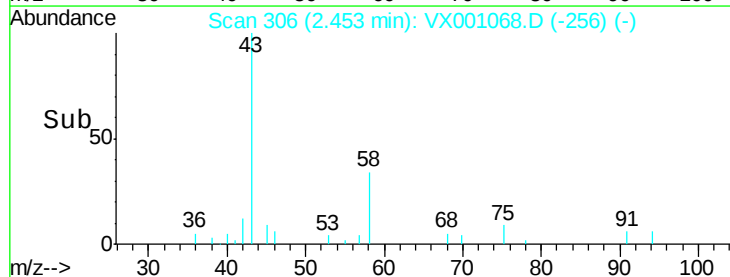
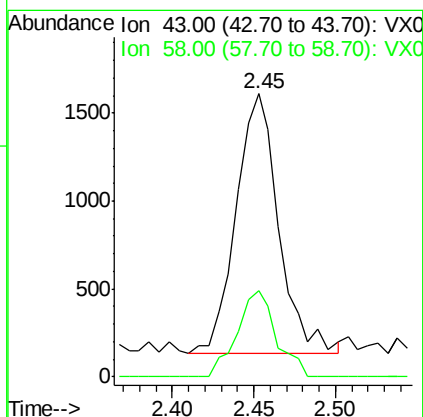
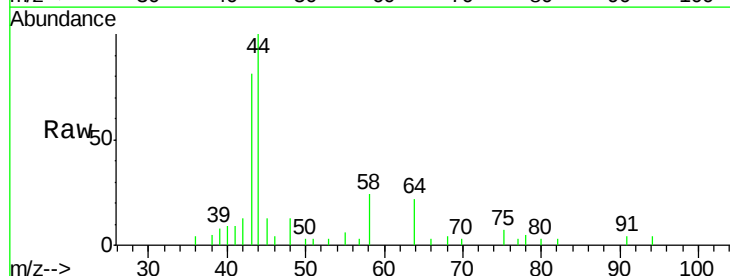
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS043MW010-180418

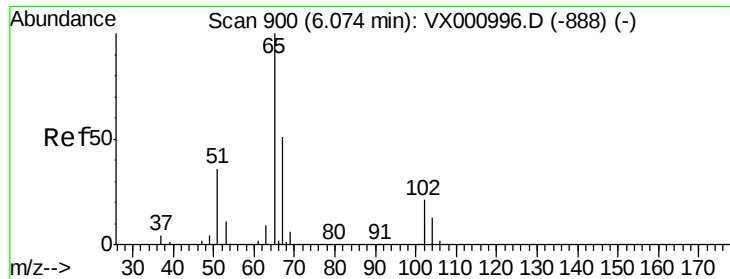
Tot Ion:168 Resp: 200754  
Ion Ratio Lower Upper  
168 100  
99 48.4 39.2 58.8



#16  
Acetone  
Concen: 2.81 ug/l  
RT: 2.45 min Scan# 306  
Delta R.T. 0.01 min  
Lab File: VX001068.D  
Acq: 23 Apr 2018 19:18

Tgt Ion: 43 Resp: 2689  
Ion Ratio Lower Upper  
43 100  
58 33.0 23.7 35.5





#33

1,2-Dichloroethane-d4

Concen: 51.75 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA\_X

ClientSampleId :

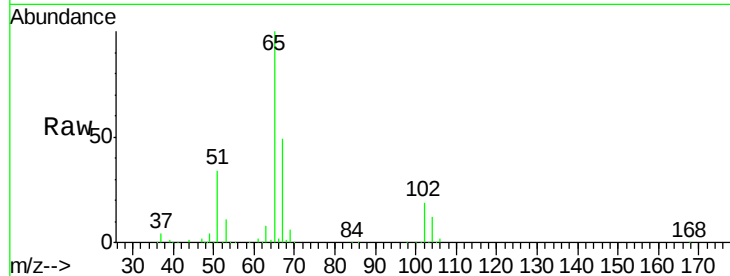
SS043MW010-180418

Tot Ion: 65 Resp: 131696

Ion Ratio Lower Upper

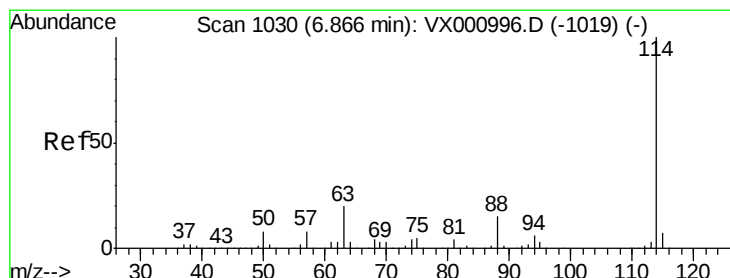
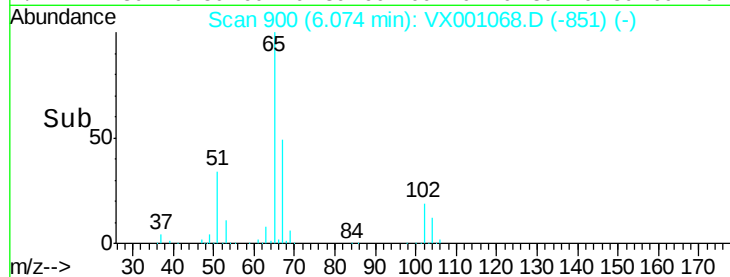
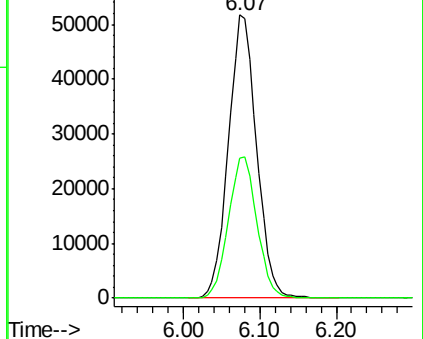
65 100

67 50.7 0.0 102.6



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# 1030

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

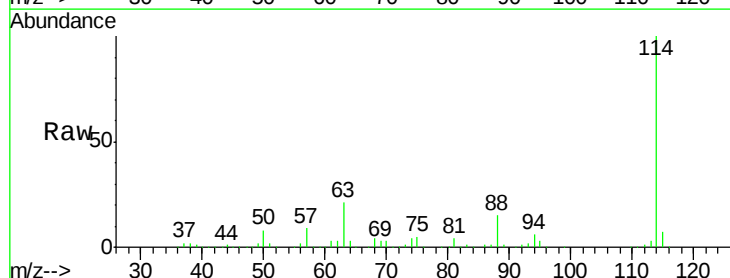
Tgt Ion: 114 Resp: 278702

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.4

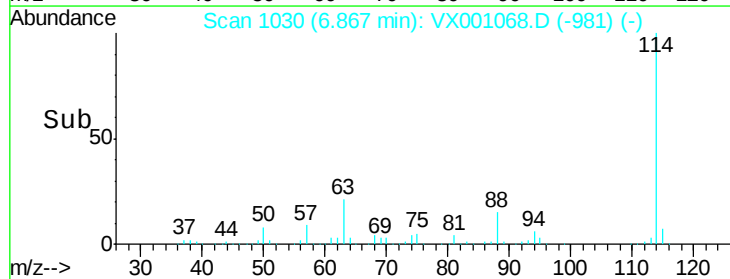
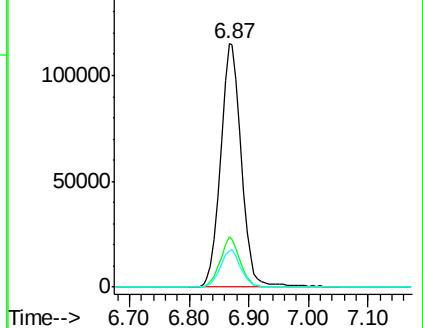
88 14.9 0.0 29.8

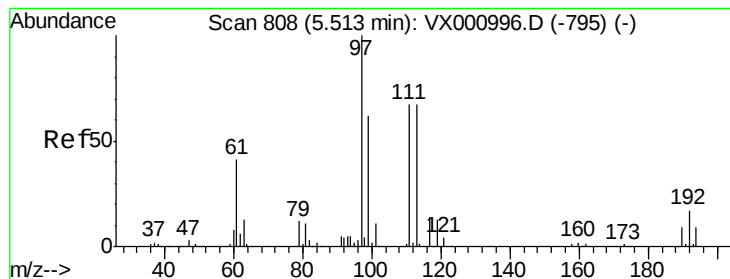


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.57 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA\_X

ClientSampleId :

SS043MW010-180418

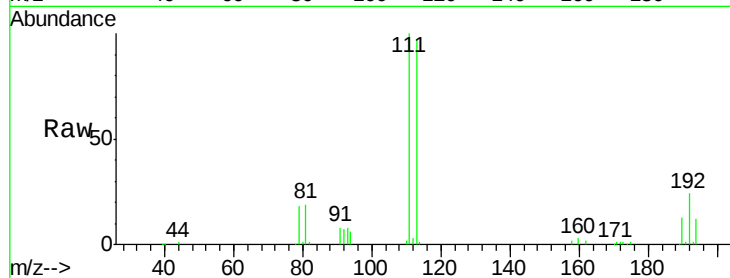
Tot Ion:113 Resp: 101106

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.2

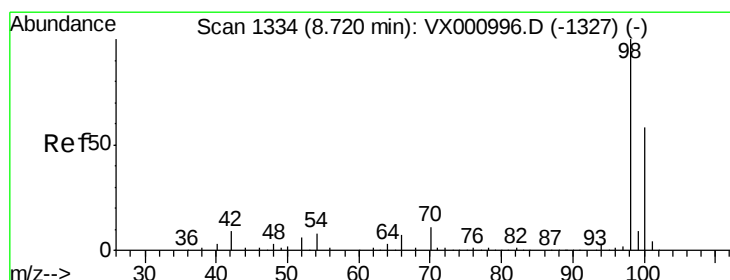
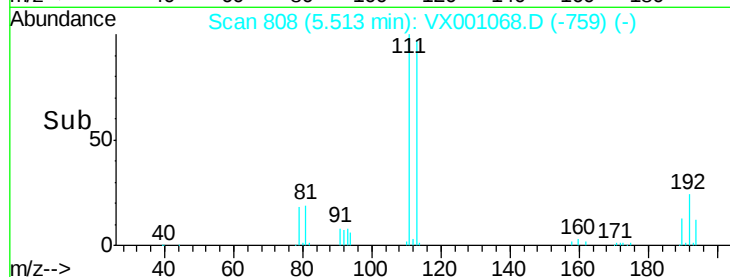
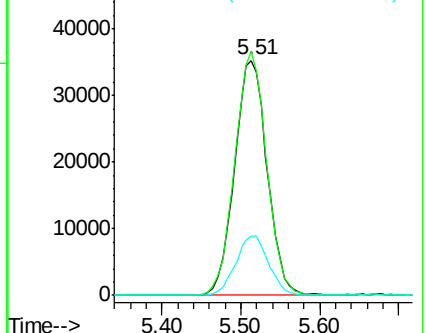
192 25.4 20.4 30.6



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: 49.67 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001068.D

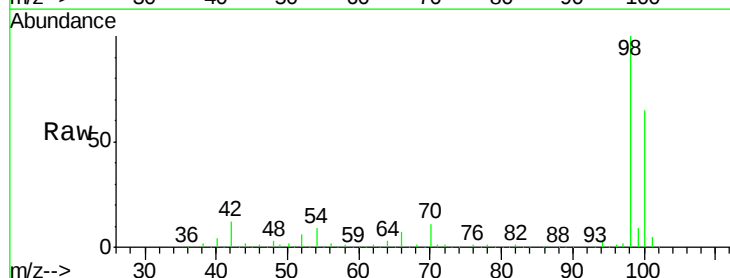
Acq: 23 Apr 2018 19:18

Tgt Ion: 98 Resp: 390319

Ion Ratio Lower Upper

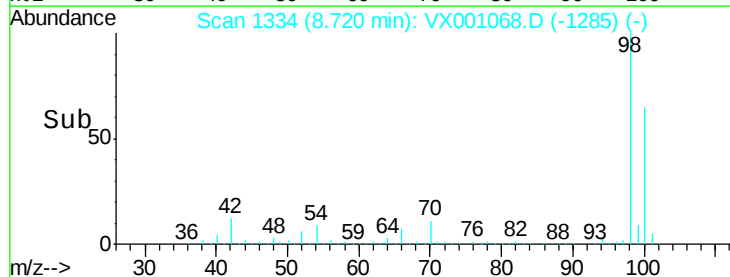
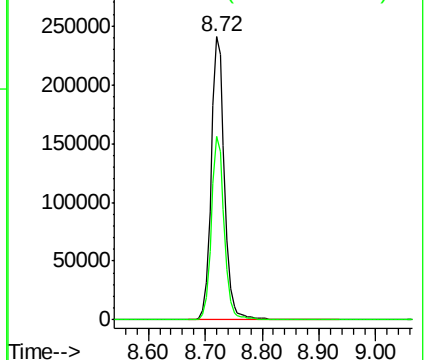
98 100

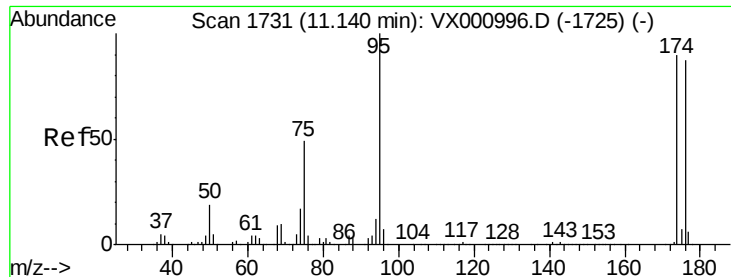
100 63.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

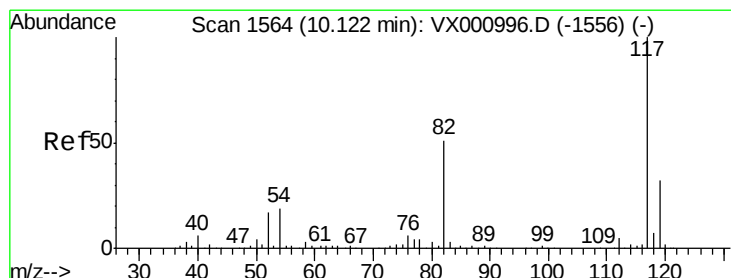
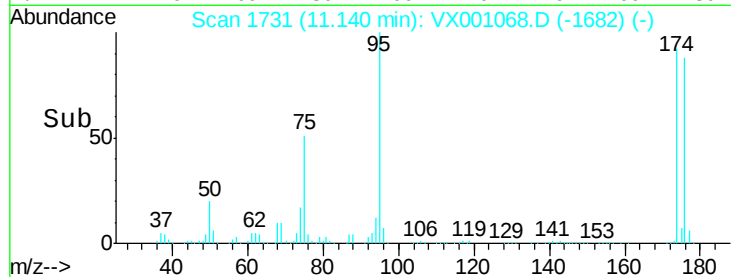
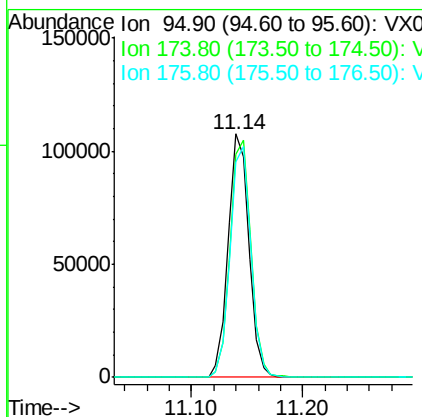
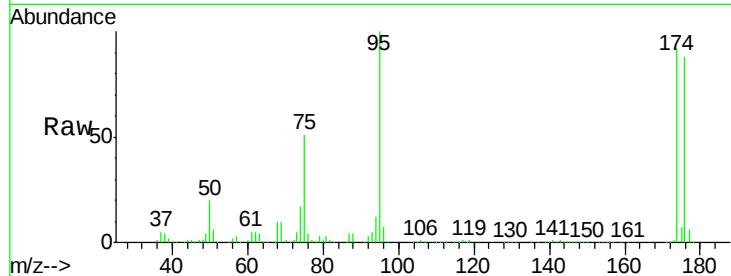




#62  
4-Bromofluorobenzene  
Concen: 42.21 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001068.D  
Acq: 23 Apr 2018 19:18

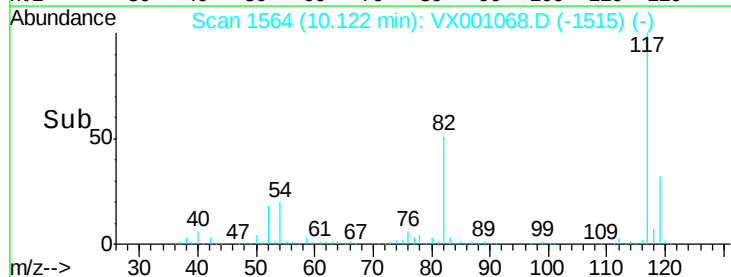
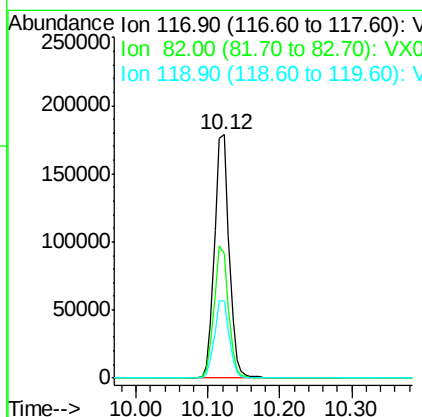
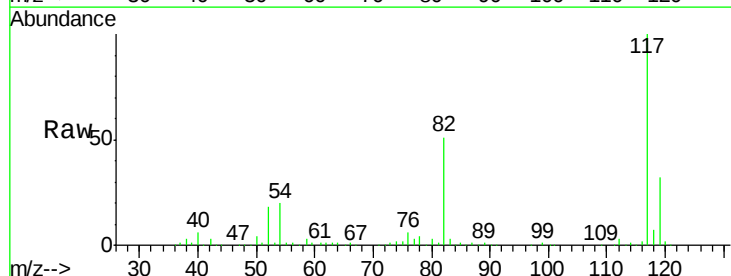
Instrument :  
MSVOA\_X  
ClientSampleId :  
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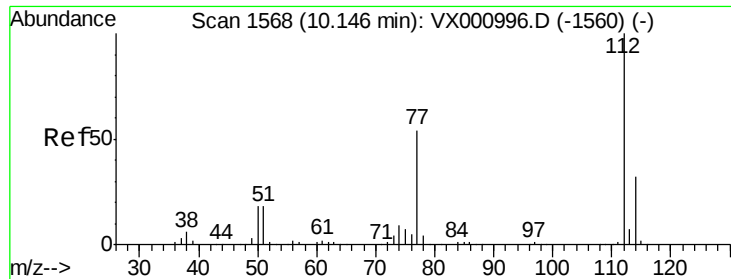
| Tot Ion   | 95    | Resp  | 139201 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 97.9  | 0.0   | 198.4  |
| 176       | 95.2  | 0.0   | 192.0  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX001068.D  
Acq: 23 Apr 2018 19:18

| Tgt Ion   | 117   | Resp  | 251531 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 50.9  | 40.6  | 60.8   |
| 119       | 31.7  | 26.0  | 39.0   |

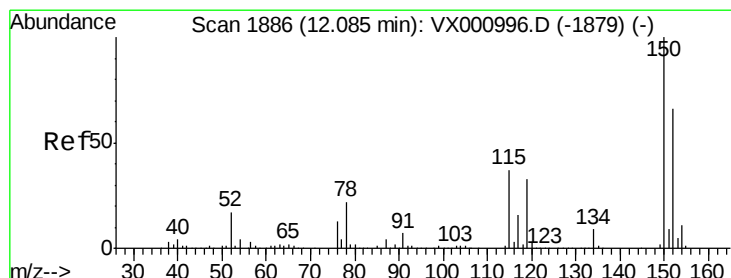
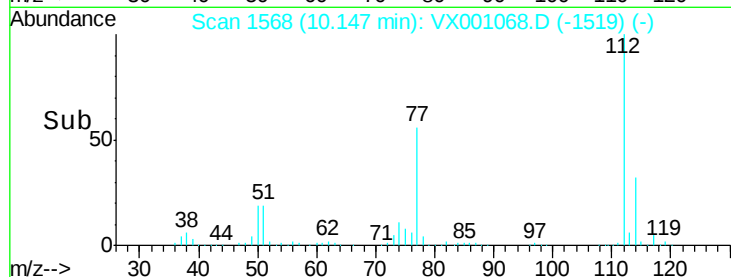
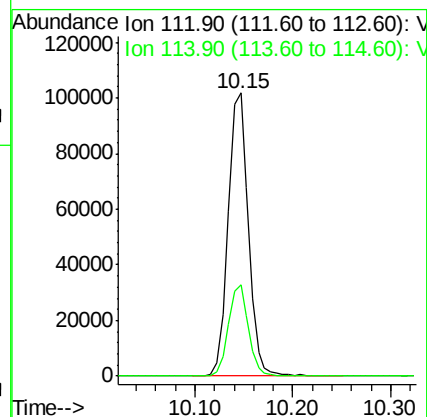
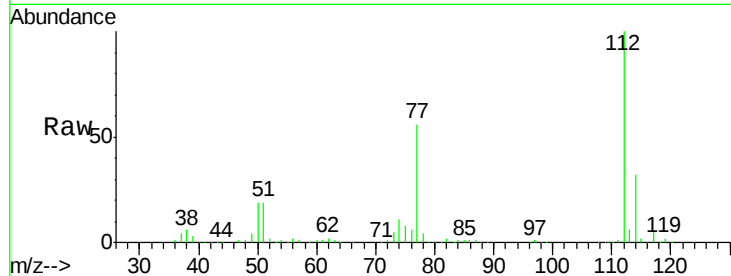




#65  
Chlorobenzene  
Concen: 21.77 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX001068.D  
Acq: 23 Apr 2018 19:18

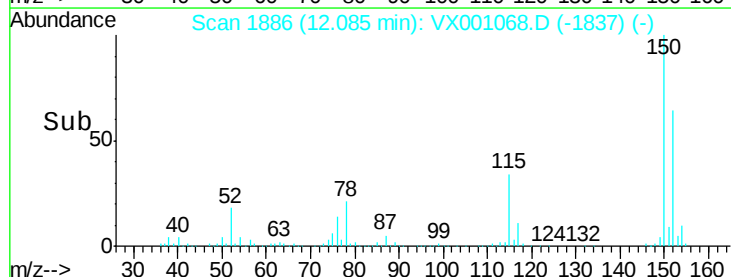
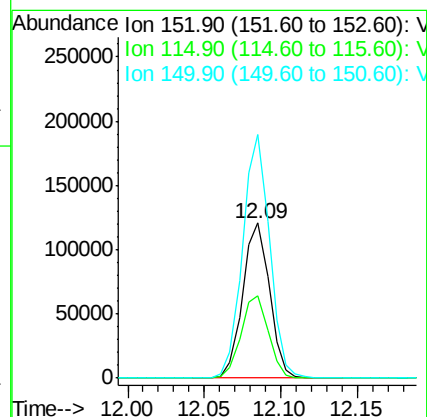
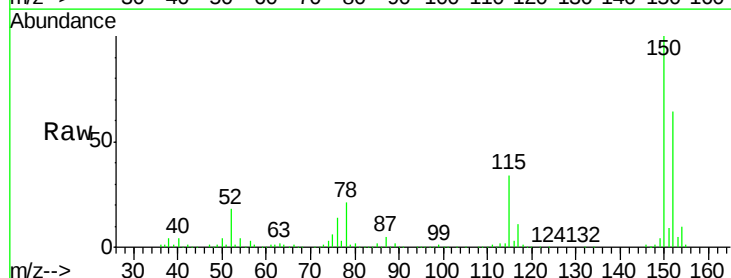
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SS043MW010-180418

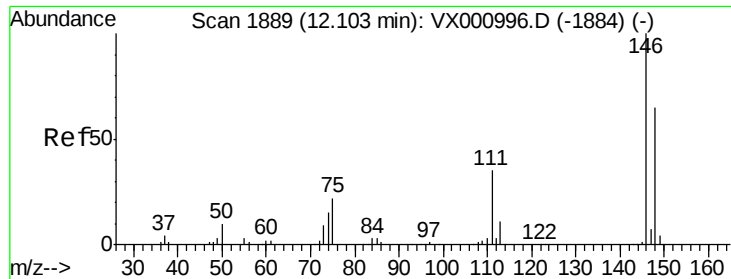
Tot Ion:112 Resp: 145809  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX001068.D  
Acq: 23 Apr 2018 19:18

Tgt Ion:152 Resp: 146698  
Ion Ratio Lower Upper  
152 100  
115 54.0 38.2 114.6  
150 157.5 0.0 350.4





#88

1,4-Dichlorobenzene

Concen: 3.25 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA\_X

ClientSampleId :

SS043MW010-180418

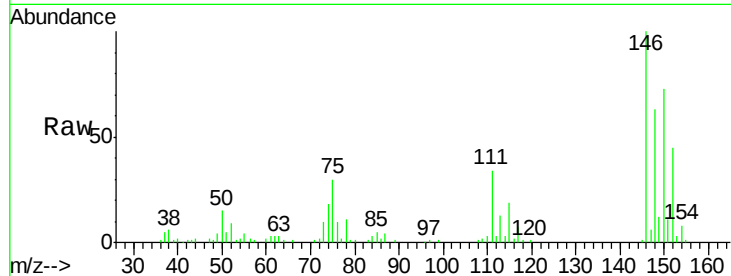
Tot Ion:146 Resp: 17370

Ion Ratio Lower Upper

146 100

111 46.2 18.0 54.0

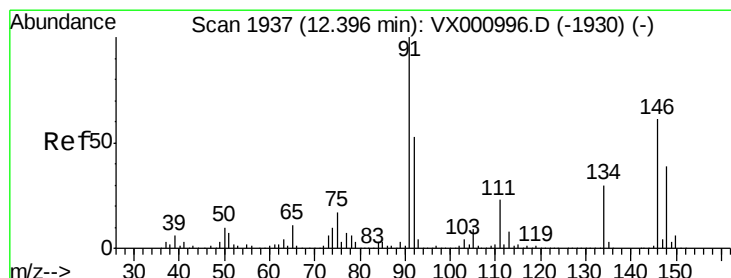
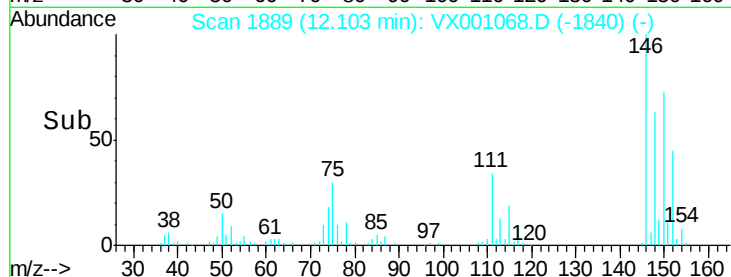
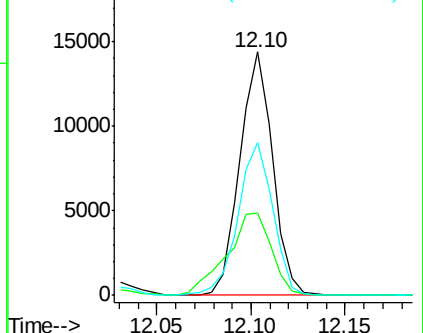
148 66.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.58 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

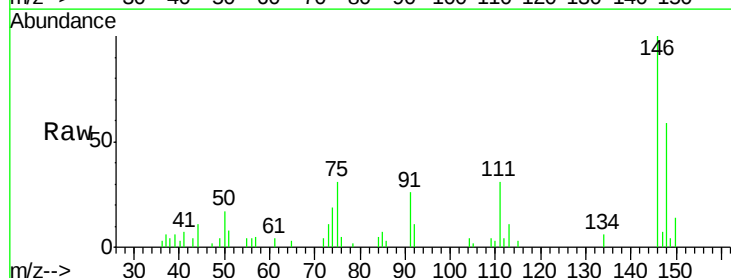
Tgt Ion:146 Resp: 2926

Ion Ratio Lower Upper

146 100

111 35.5 18.6 56.0

148 61.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

