

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX060118\  
 Data File : VX002220.D  
 Acq On : 01 Jun 2018 19:03  
 Operator : JC/MD  
 Sample : J3118-20  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW718-180522

Quant Time: Jun 04 02:11:20 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

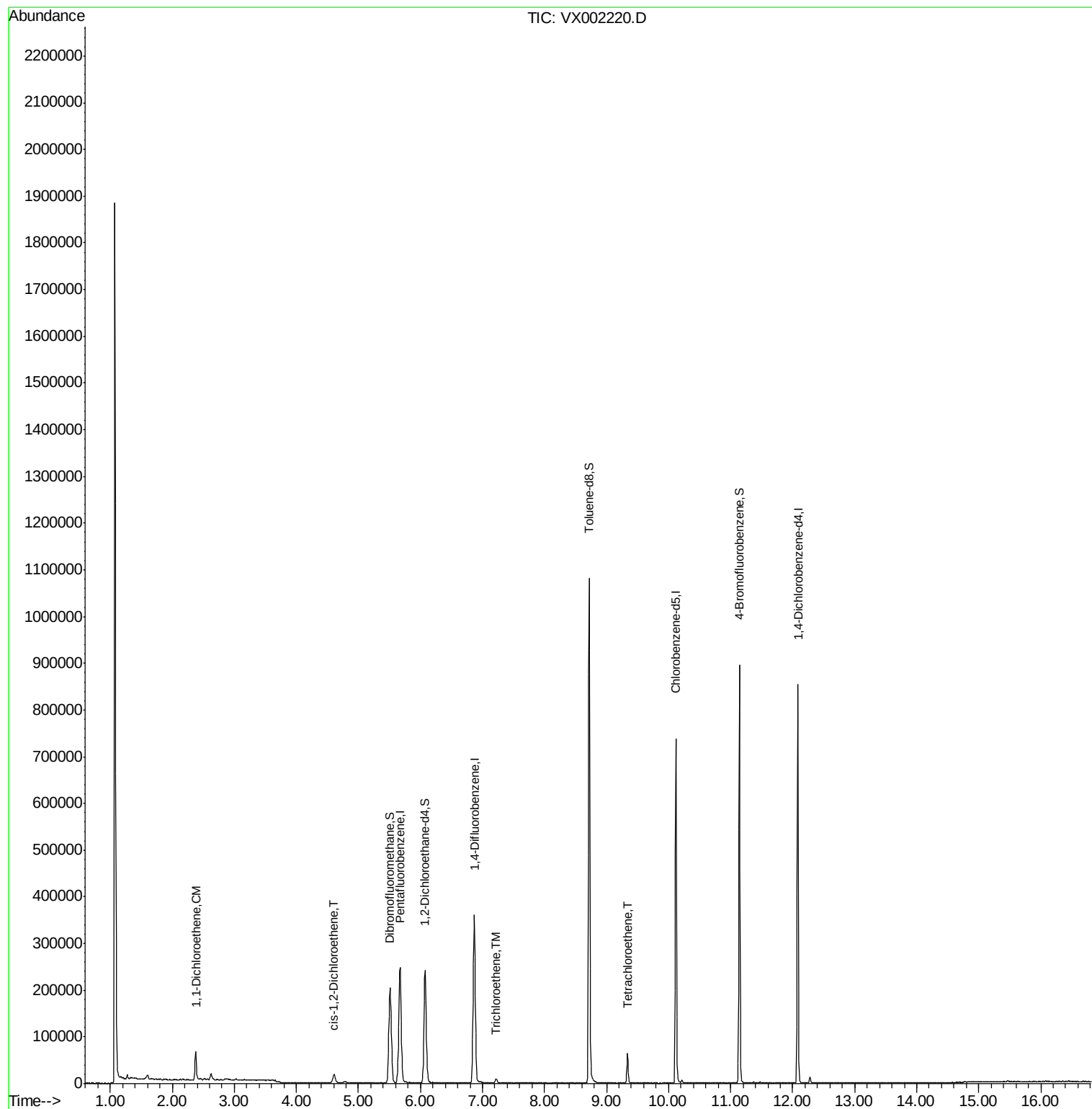
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 246448   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 354475   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 321993   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 175149   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 230700   | 52.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.74% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 165200   | 46.60 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.20%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 626892   | 48.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.70%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 219485   | 43.71 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.42%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 12) 1,1-Dichloroethene      | 2.38  | 96   | 19893    | 6.925 | ug/l    | 88       |
| 27) cis-1,2-Dichloroethene  | 4.61  | 96   | 9135     | 2.439 | ug/l    | 72       |
| 44) Trichloroethene         | 7.21  | 130  | 3325     | 0.790 | ug/l    | 98       |
| 64) Tetrachloroethene       | 9.34  | 164  | 12509    | 2.710 | ug/l    | 96       |

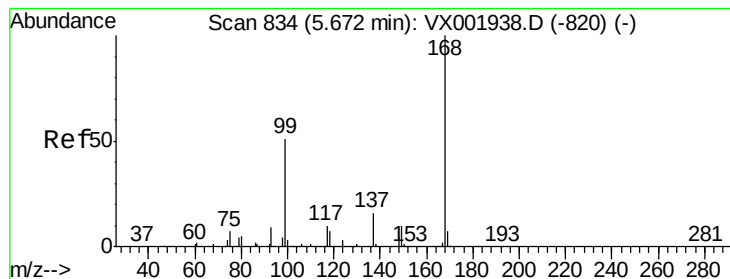
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu May 24 13:09:03 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002220.D

Acq: 01 Jun 2018 19:03

Instrument :

MSVOA\_X

ClientSampleId :

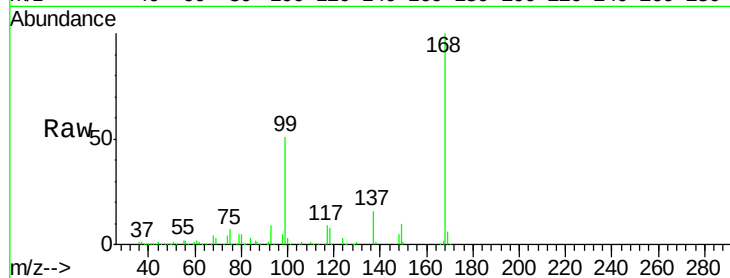
SS052MW718-180522

Tgt Ion:168 Resp: 246448

Ion Ratio Lower Upper

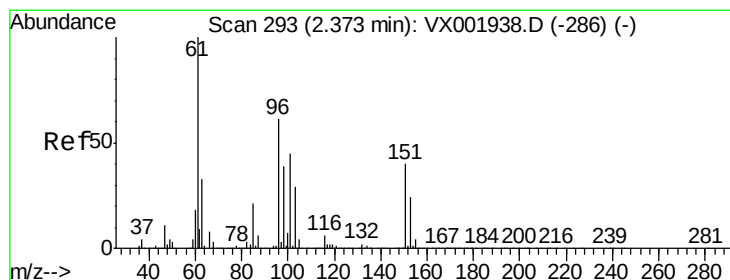
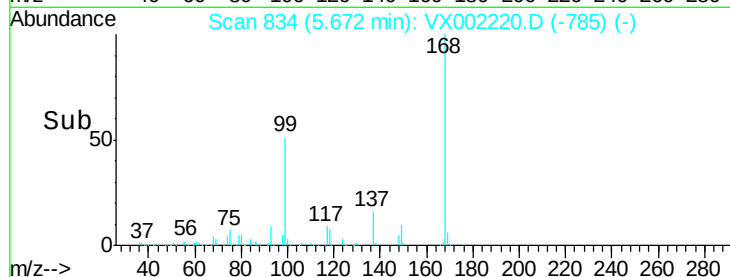
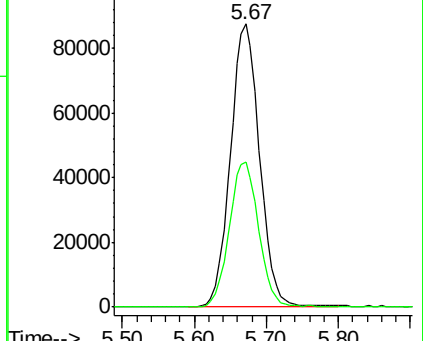
168 100

99 51.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#12

1,1-Dichloroethene

Concen: 6.925 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX002220.D

Acq: 01 Jun 2018 19:03

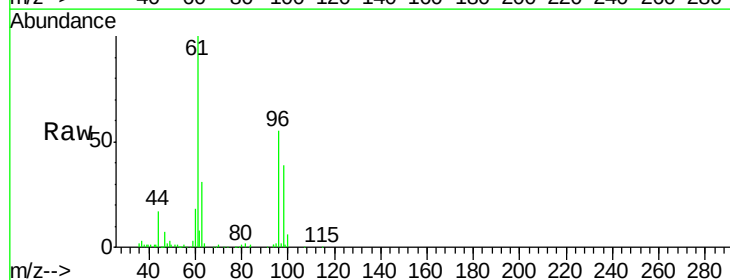
Tgt Ion: 96 Resp: 19893

Ion Ratio Lower Upper

96 100

61 181.8 131.7 197.5

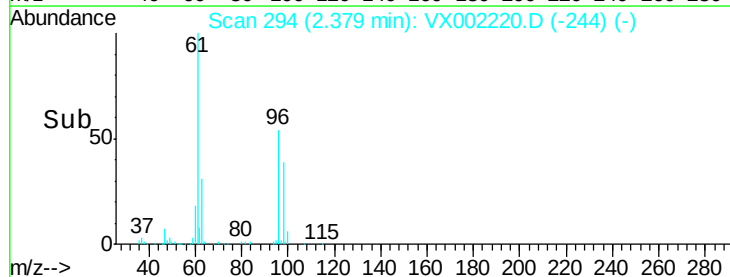
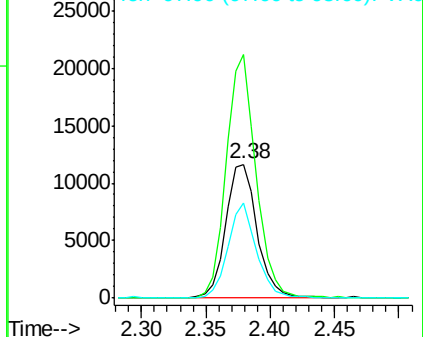
98 71.5 51.6 77.4

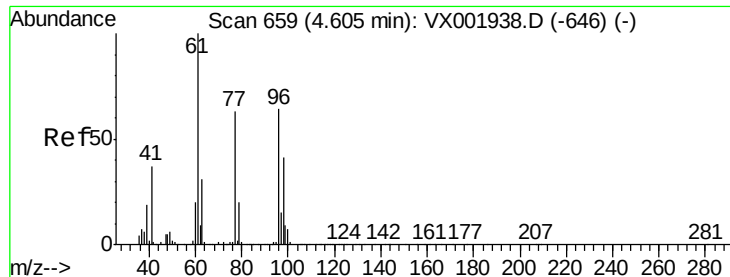


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 2.439 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX002220.D

Acq: 01 Jun 2018 19:03

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW718-180522

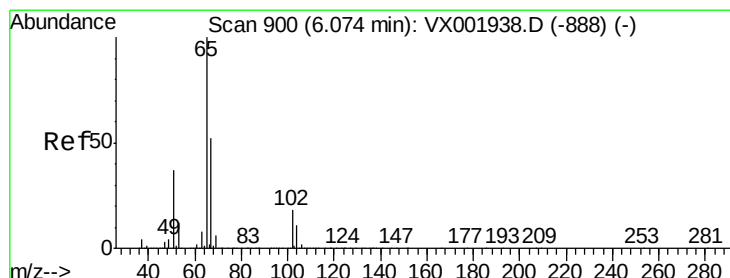
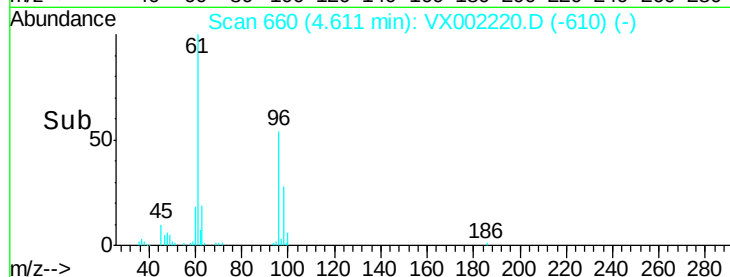
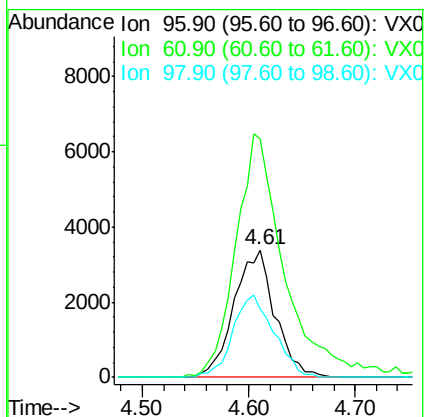
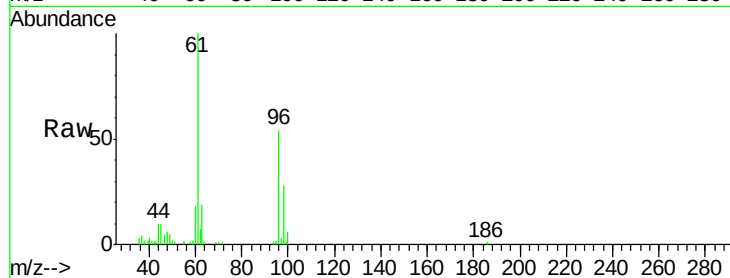
Tgt Ion: 96 Resp: 9135

Ion Ratio Lower Upper

96 100

61 227.3 0.0 348.4

98 64.9 0.0 128.6



#33

1,2-Dichloroethane-d4

Concen: 52.369 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002220.D

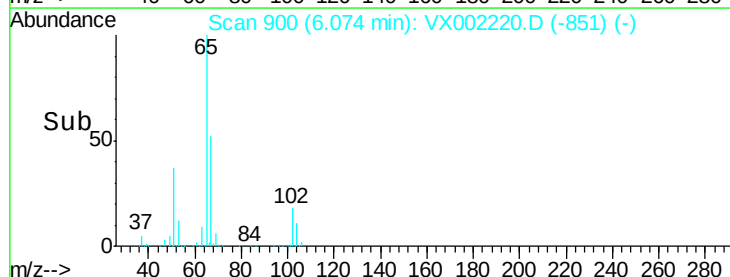
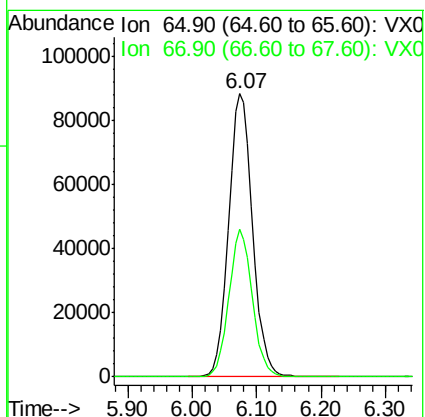
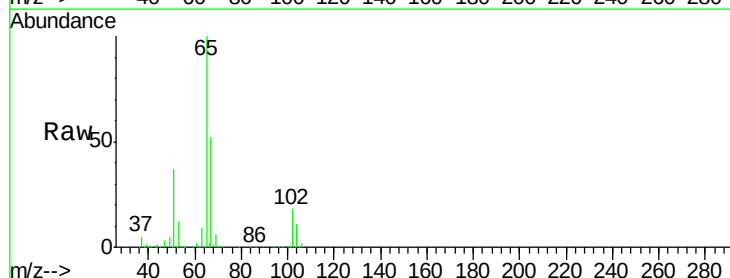
Acq: 01 Jun 2018 19:03

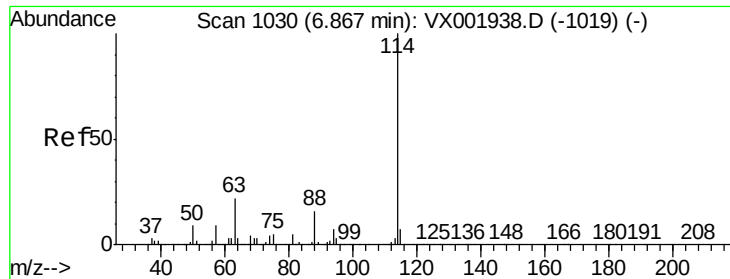
Tgt Ion: 65 Resp: 230700

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.0

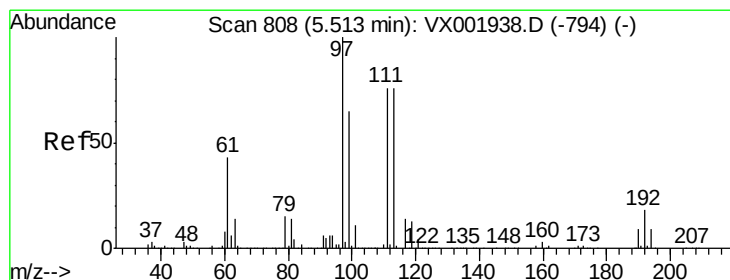
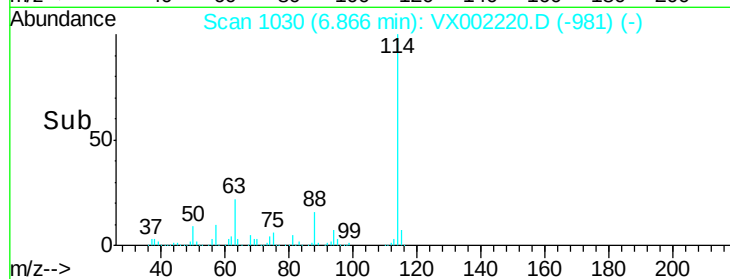
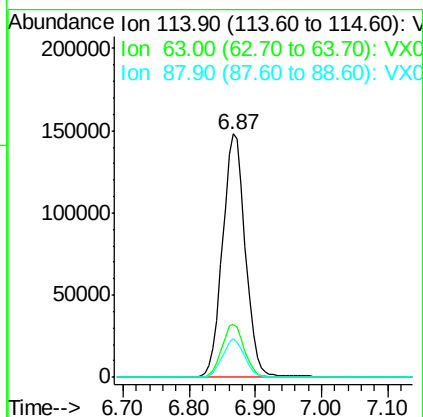
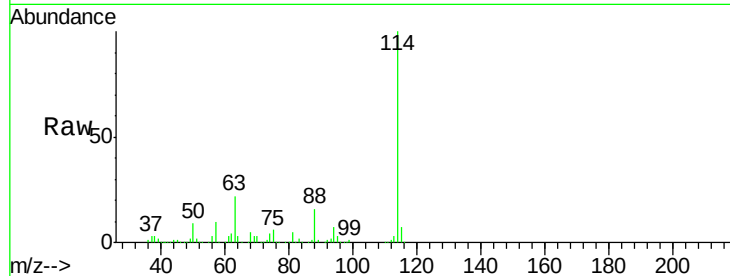




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002220.D  
 Acq: 01 Jun 2018 19:03

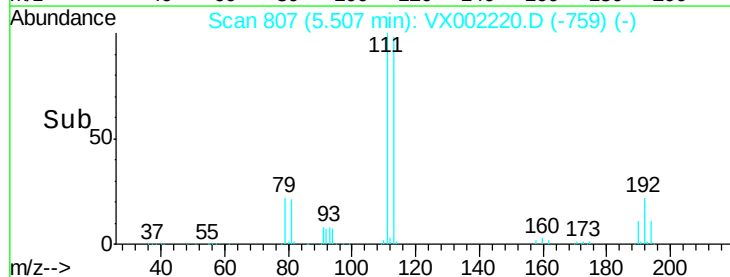
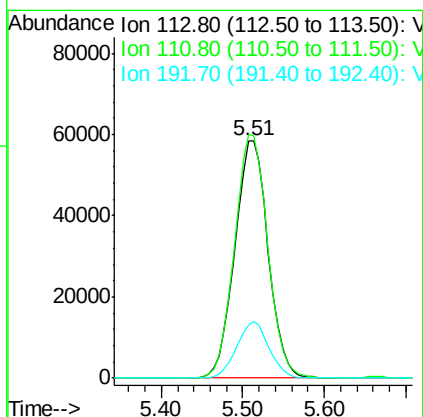
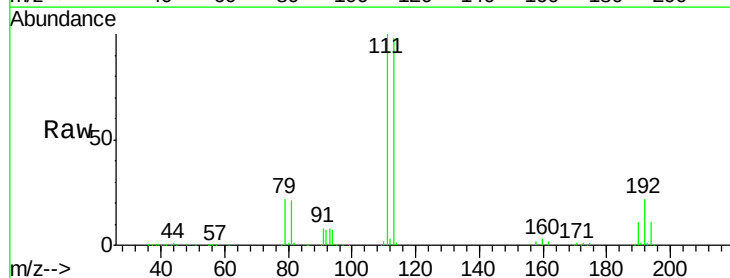
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW718-180522

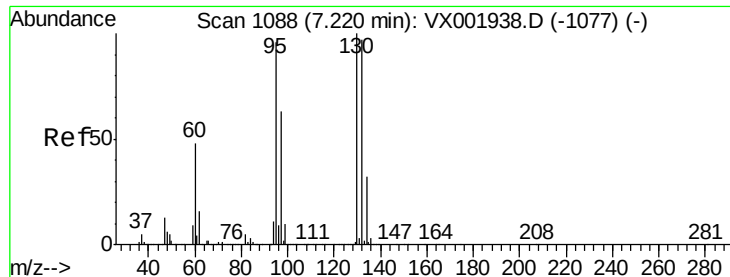
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.7  | 0.0   | 43.2  |
| 88      | 15.8  | 0.0   | 31.6  |



#35  
 Dibromofluoromethane  
 Concen: 46.604 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX002220.D  
 Acq: 01 Jun 2018 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 82.0  | 123.0 |
| 192     | 23.2  | 18.9  | 28.3  |





#44

Trichloroethene

Concen: 0.790 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002220.D

Acq: 01 Jun 2018 19:03

Instrument :

MSVOA\_X

ClientSampleId :

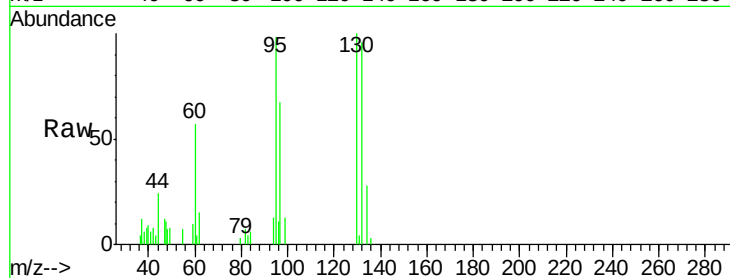
SS052MW718-180522

Tgt Ion:130 Resp: 3325

Ion Ratio Lower Upper

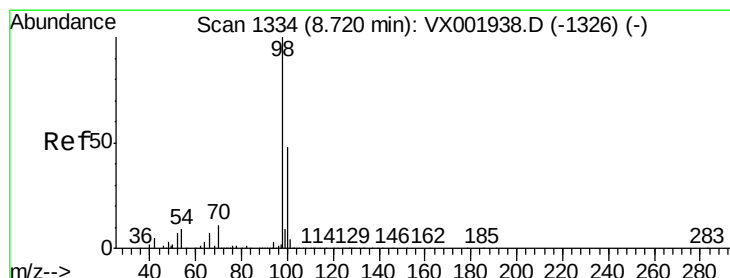
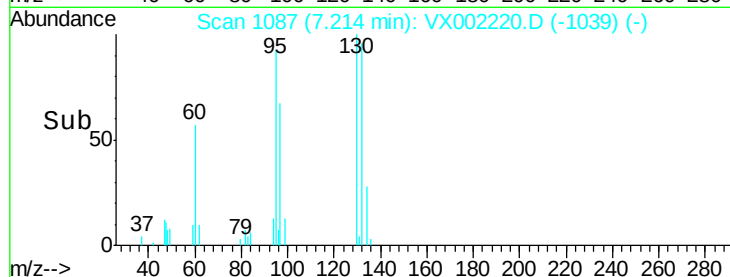
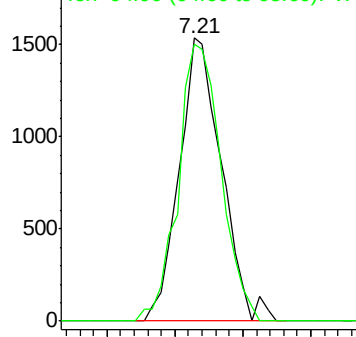
130 100

95 97.7 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.849 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002220.D

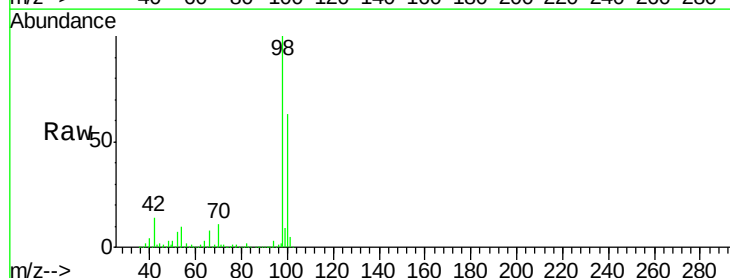
Acq: 01 Jun 2018 19:03

Tgt Ion: 98 Resp: 626892

Ion Ratio Lower Upper

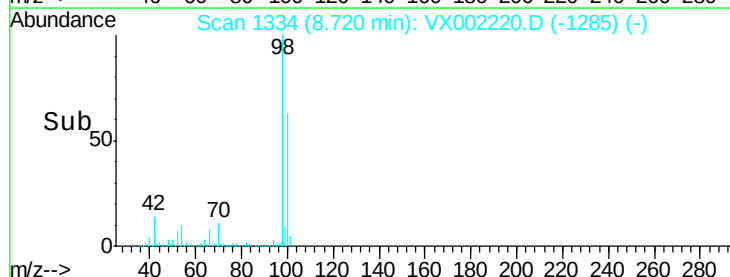
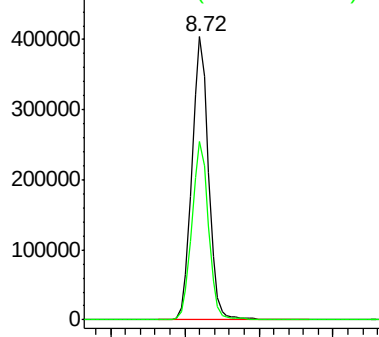
98 100

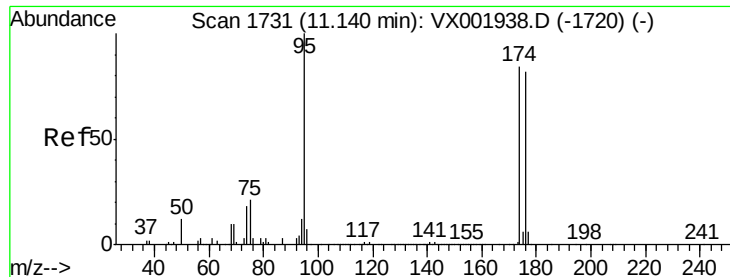
100 63.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

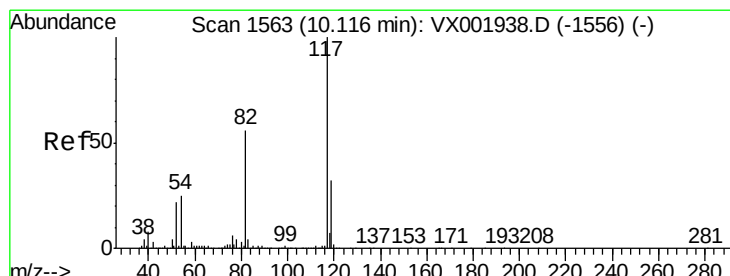
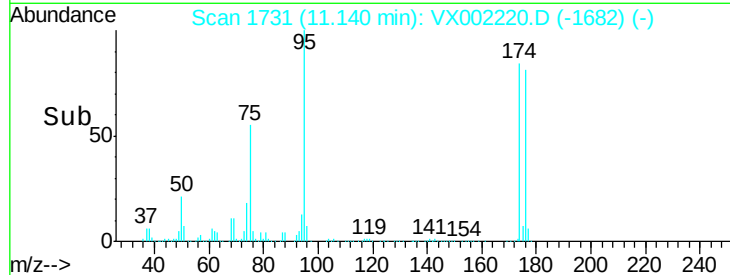
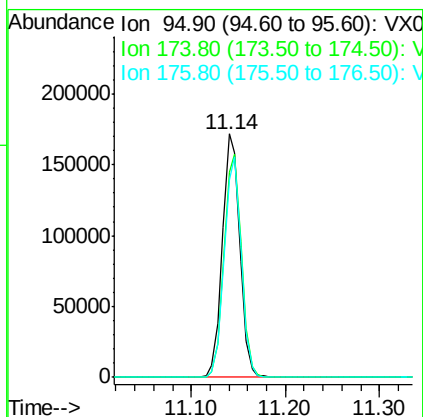
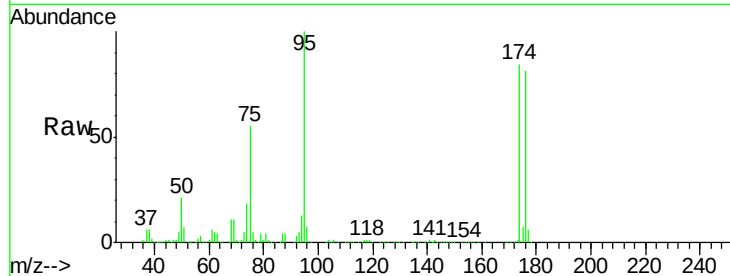




#62  
4-Bromofluorobenzene  
Concen: 43.712 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002220.D  
Acq: 01 Jun 2018 19:03

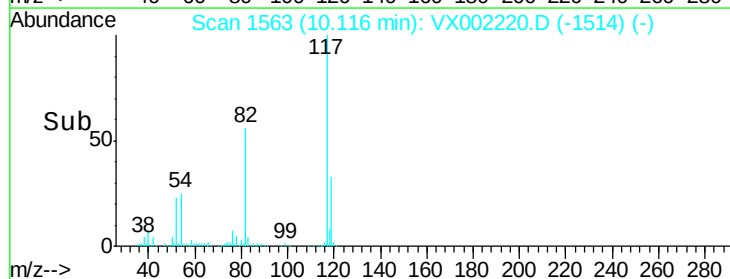
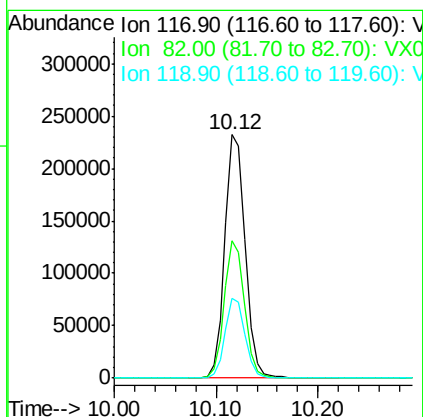
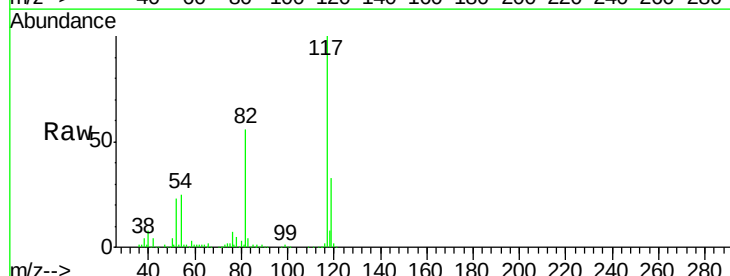
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW718-180522

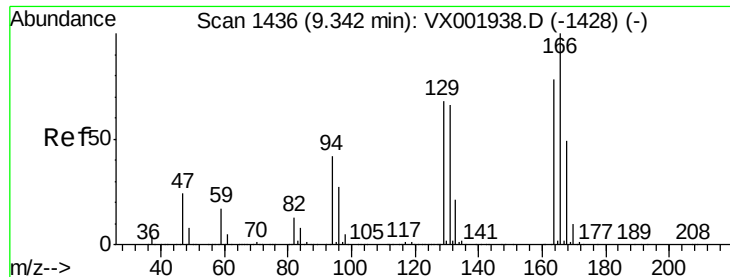
Tgt Ion: 95 Resp: 219485  
Ion Ratio Lower Upper  
95 100  
174 92.0 0.0 178.8  
176 89.0 0.0 175.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002220.D  
Acq: 01 Jun 2018 19:03

Tgt Ion: 117 Resp: 321993  
Ion Ratio Lower Upper  
117 100  
82 56.3 44.8 67.2  
119 32.9 25.5 38.3

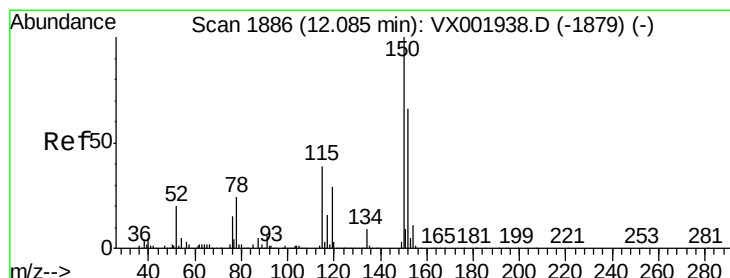
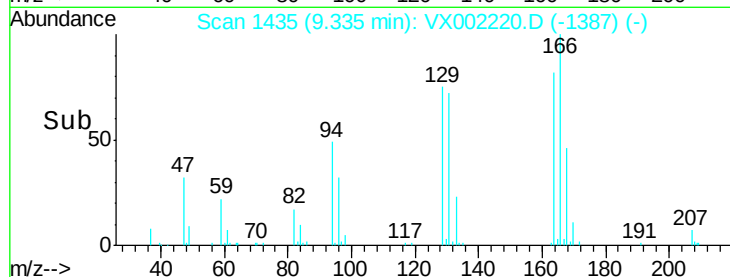
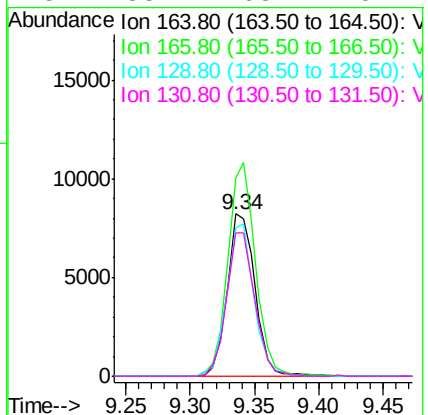
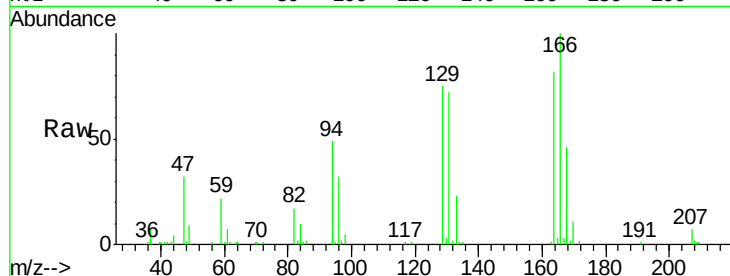




#64  
Tetrachloroethene  
Concen: 2.710 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.01 min  
Lab File: VX002220.D  
Acq: 01 Jun 2018 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW718-180522

Tgt Ion:164 Resp: 12509  
Ion Ratio Lower Upper  
164 100  
166 122.5 102.7 154.1  
129 92.0 70.3 105.5  
131 88.1 68.2 102.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX002220.D  
Acq: 01 Jun 2018 19:03

Tgt Ion:152 Resp: 175149  
Ion Ratio Lower Upper  
152 100  
115 55.6 42.3 126.8  
150 156.8 0.0 351.0

