

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\  
 Data File : VX002065.D  
 Acq On : 27 May 2018 13:46  
 Operator : JC/MD  
 Sample : J3094-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HS-RO-7212003

Quant Time: May 29 03:33:05 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

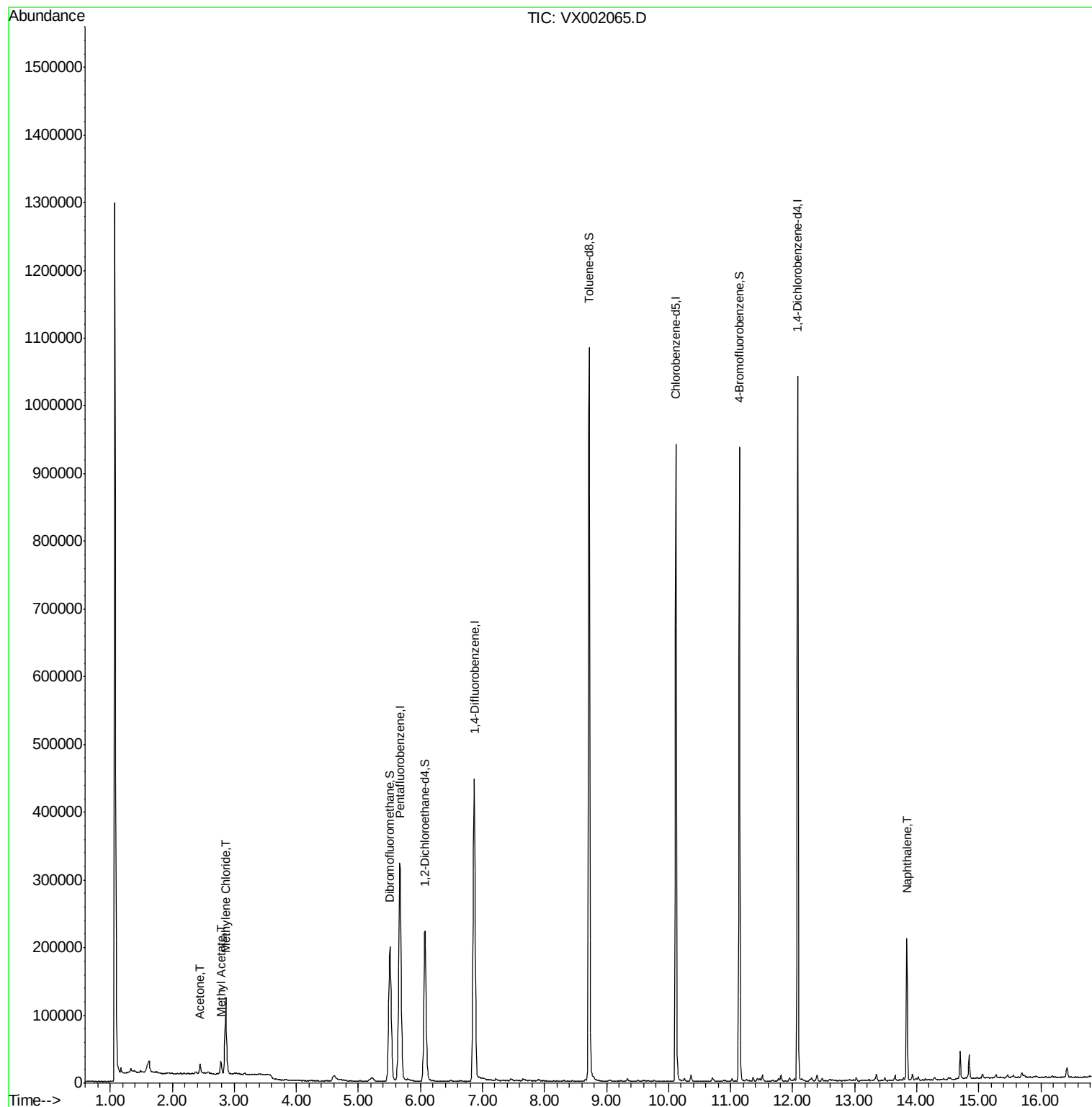
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 322413   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 448817   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 401854   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 219400   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 210250   | 36.48 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 72.96% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 164011   | 36.54 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 73.08% |          |
| 50) Toluene-d8              | 8.72  | 98   | 639083   | 39.33 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 78.66% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 225329   | 35.44 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 70.88% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 16345    | 7.35  | ug/l   | 93       |
| 18) Methyl Acetate          | 2.78  | 43   | 22081    | 3.05  | ug/l   | 93       |
| 20) Methylene Chloride      | 2.86  | 84   | 52594    | 12.40 | ug/l   | 98       |
| 95) Naphthalene             | 13.84 | 128  | 128968   | 6.51  | ug/l   | 99       |

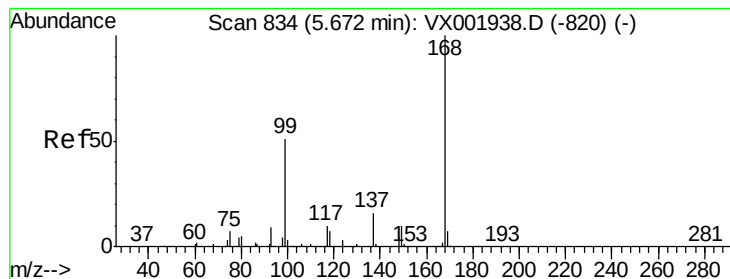
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
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HS-RO-7212003

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002065.D

Acq: 27 May 2018 13:46

Instrument :

MSVOA\_X

ClientSampleId :

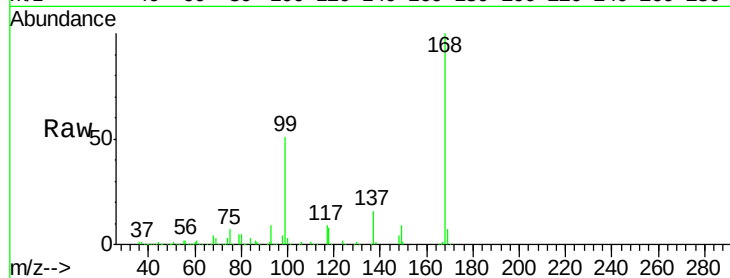
HS-RO-7212003

Tot Ion:168 Resp: 322413

Ion Ratio Lower Upper

168 100

99 51.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

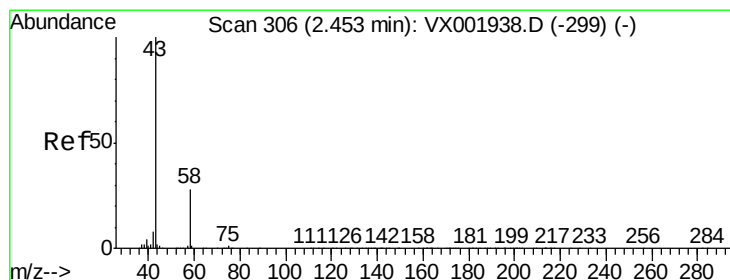
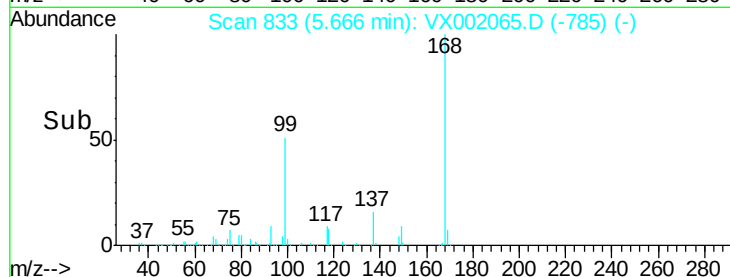
100000

50000

0

Time-->

5.60 5.70 5.80



#16

Acetone

Concen: 7.35 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002065.D

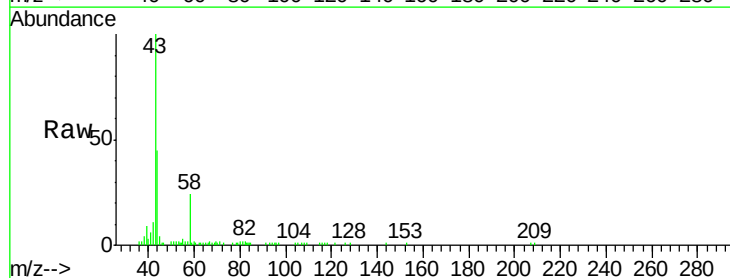
Acq: 27 May 2018 13:46

Tgt Ion: 43 Resp: 16345

Ion Ratio Lower Upper

43 100

58 24.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

12000

10000

8000

6000

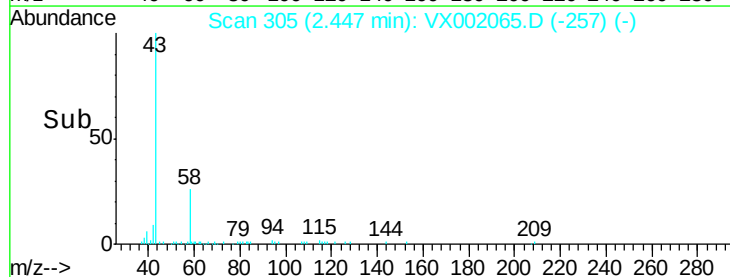
4000

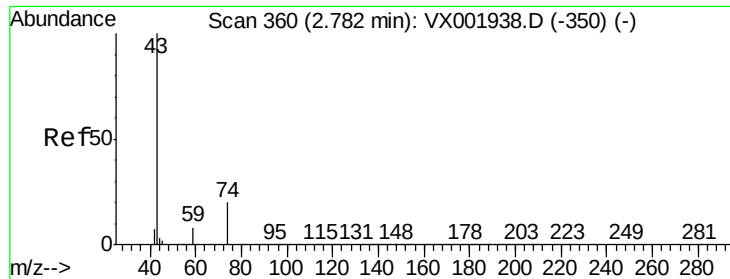
2000

0

Time-->

2.35 2.40 2.45 2.50 2.55

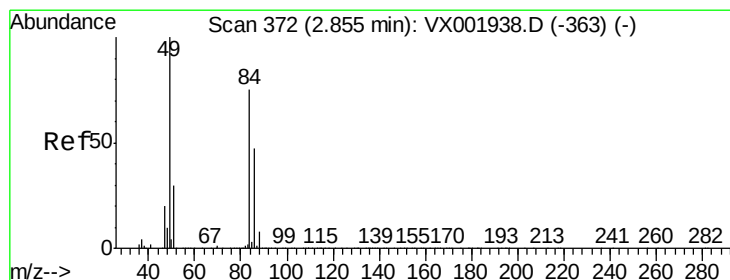
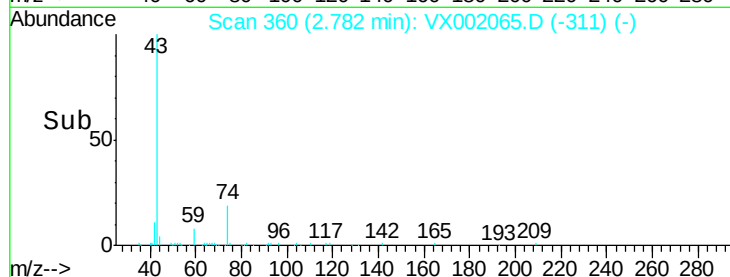
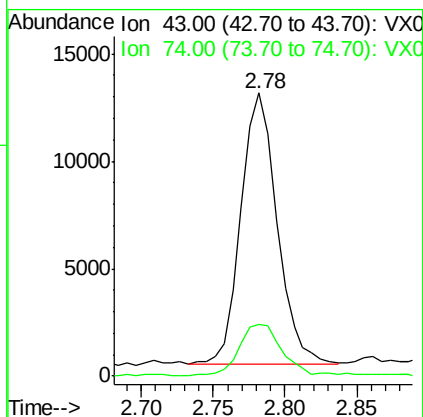
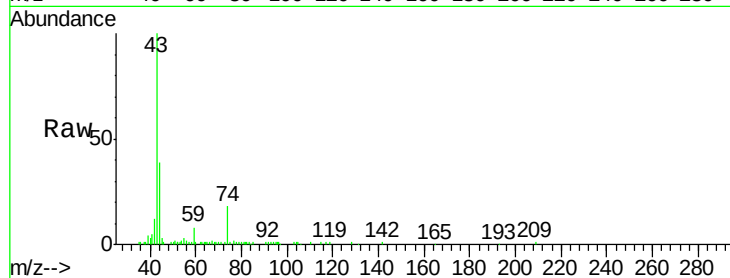




#18  
Methvl Acetate  
Concen: 3.05 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX002065.D  
Acq: 27 May 2018 13:46

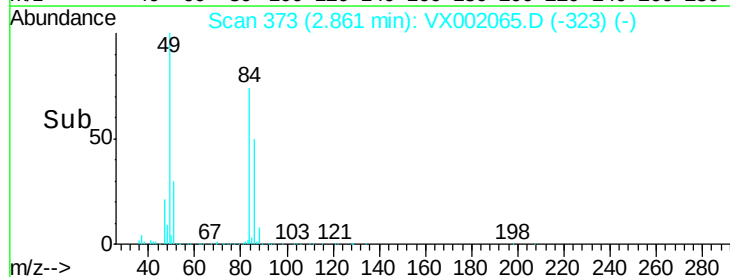
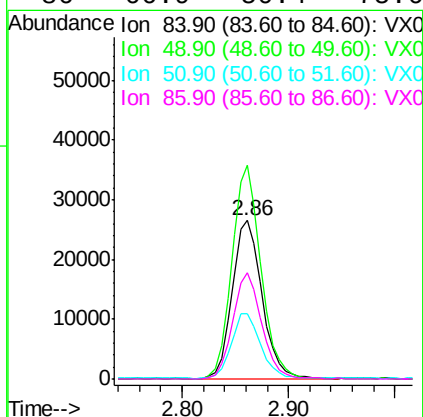
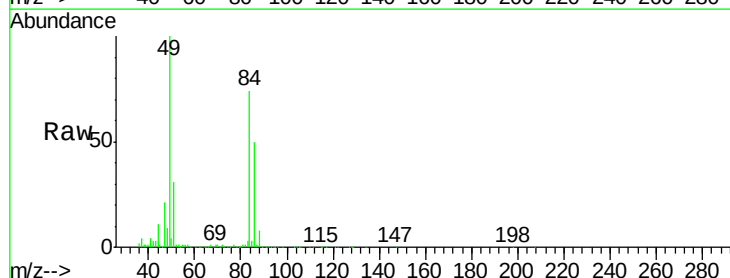
Instrument :  
MSVOA\_X  
ClientSampleId :  
HS-RO-7212003

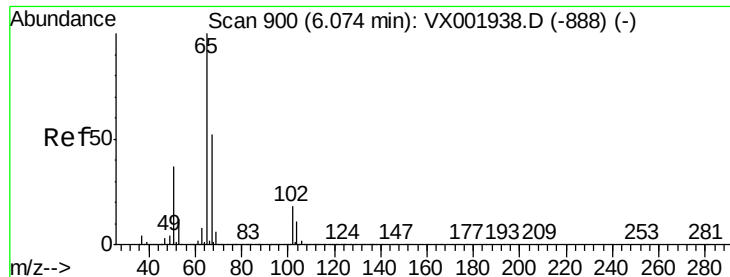
Tot Ion: 43 Resp: 22081  
Ion Ratio Lower Upper  
43 100  
74 24.0 16.8 25.2



#20  
Methylene Chloride  
Concen: 12.40 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VX002065.D  
Acq: 27 May 2018 13:46

Tgt Ion: 84 Resp: 52594  
Ion Ratio Lower Upper  
84 100  
49 134.6 107.2 160.8  
51 40.8 32.4 48.6  
86 66.9 50.4 75.6





#33

1,2-Dichloroethane-d4

Concen: 36.48 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002065.D

Acq: 27 May 2018 13:46

Instrument :

MSVOA\_X

ClientSampleId :

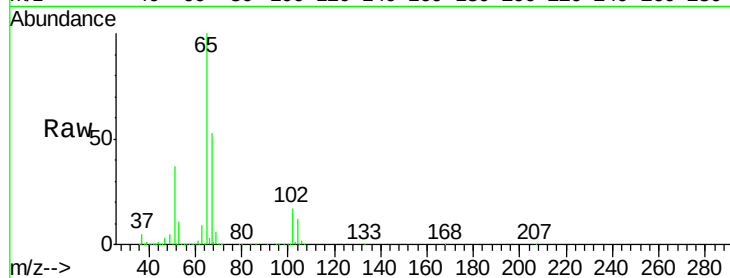
HS-RO-7212003

Tot Ion: 65 Resp: 210250

Ion Ratio Lower Upper

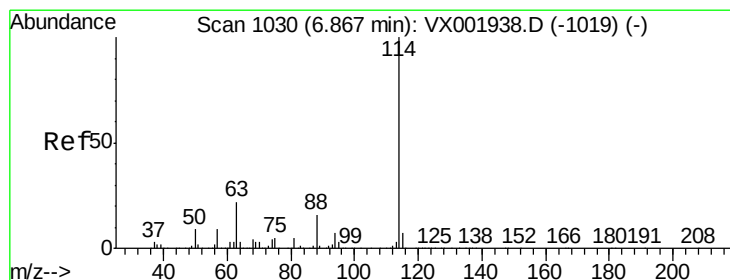
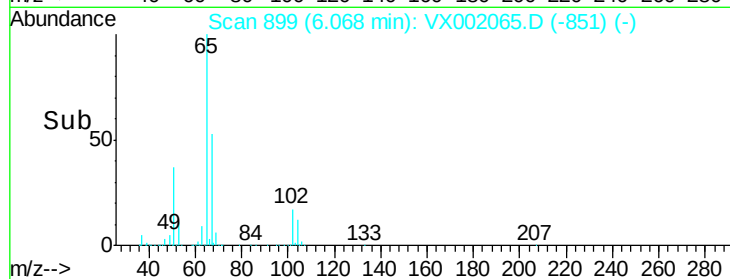
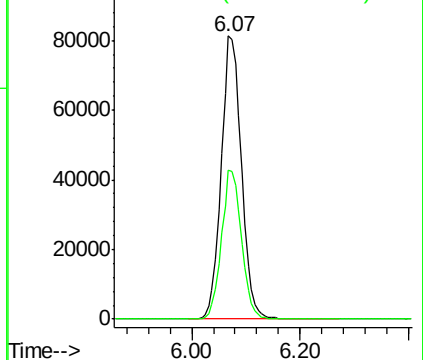
65 100

67 52.2 0.0 104.0



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: VX002065.D

Acq: 27 May 2018 13:46

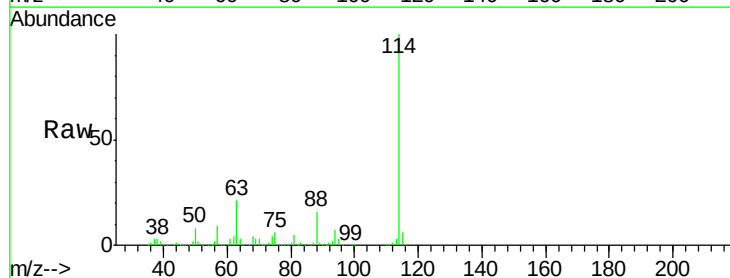
Tgt Ion: 114 Resp: 448817

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

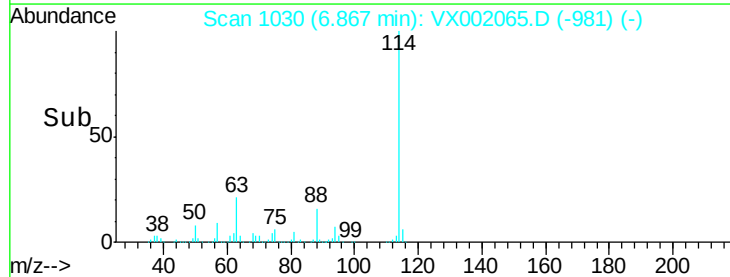
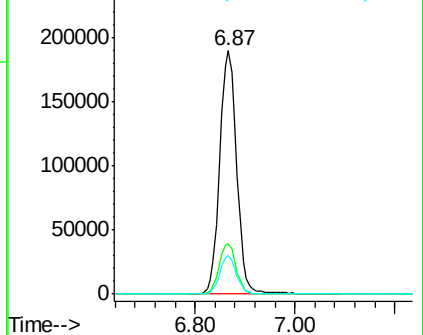
88 15.9 0.0 31.6

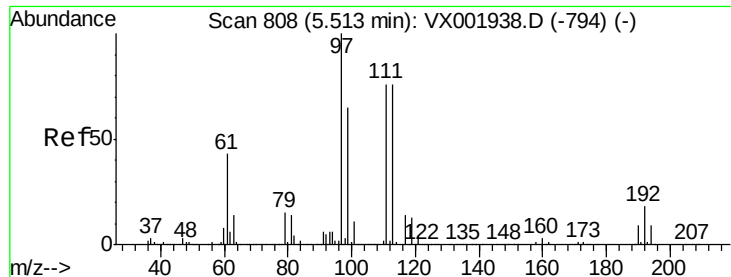


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

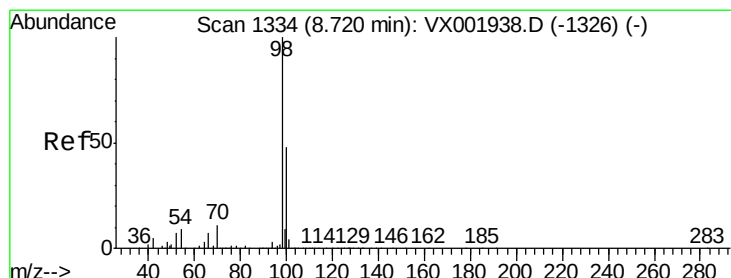
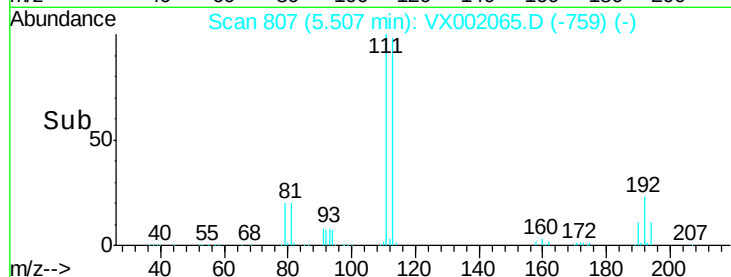
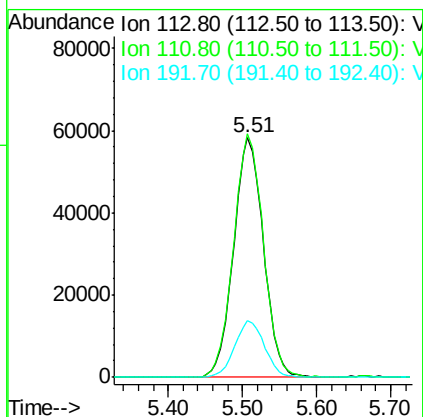
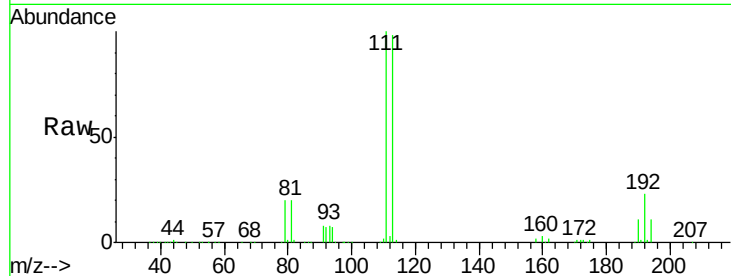




#35  
 Dibromofluoromethane  
 Concen: 36.54 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX002065.D  
 Acq: 27 May 2018 13:46

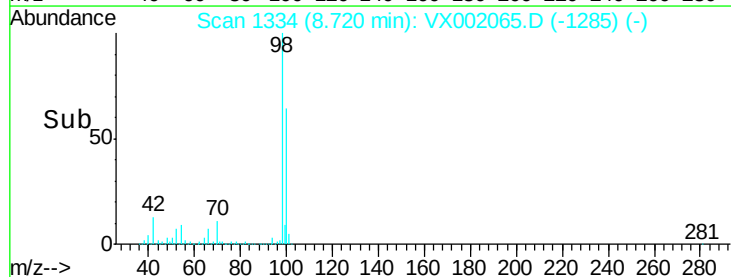
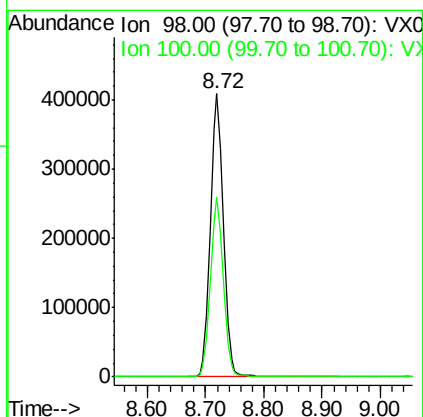
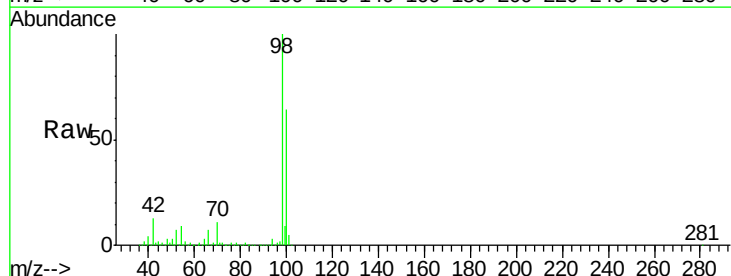
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HS-RO-7212003

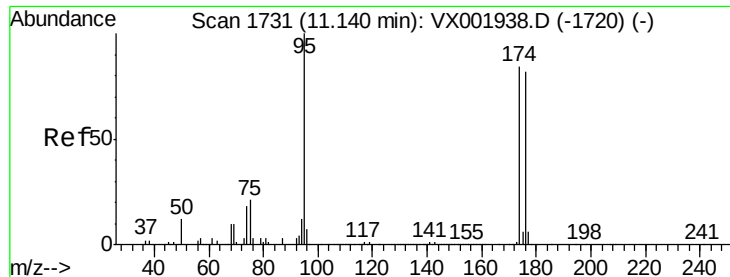
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 82.0  | 123.0 |
| 192     | 23.5  | 18.9  | 28.3  |



#50  
 Toluene-d8  
 Concen: 39.33 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX002065.D  
 Acq: 27 May 2018 13:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.1  | 51.5  | 77.3  |

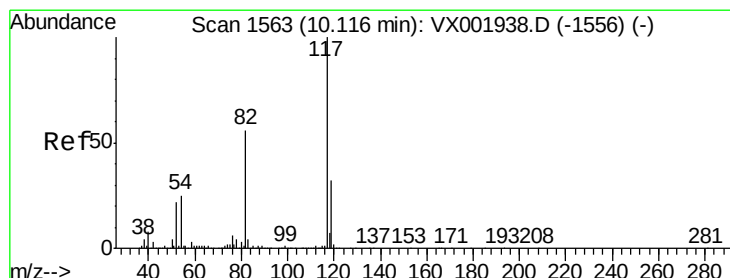
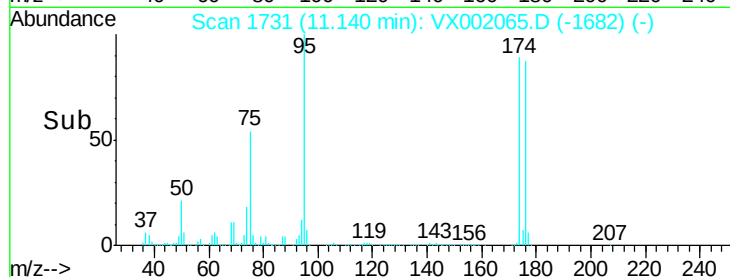
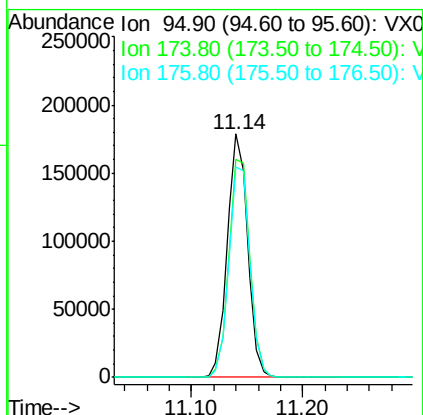
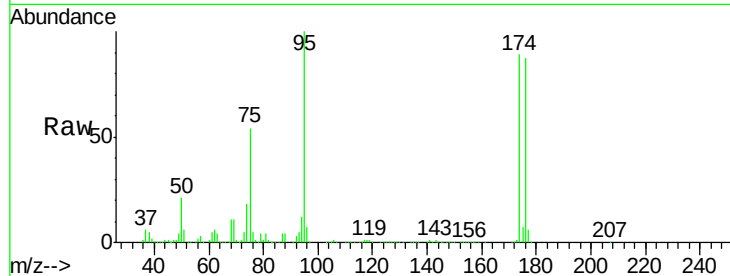




#62  
4-Bromofluorobenzene  
Concen: 35.44 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002065.D  
Acq: 27 May 2018 13:46

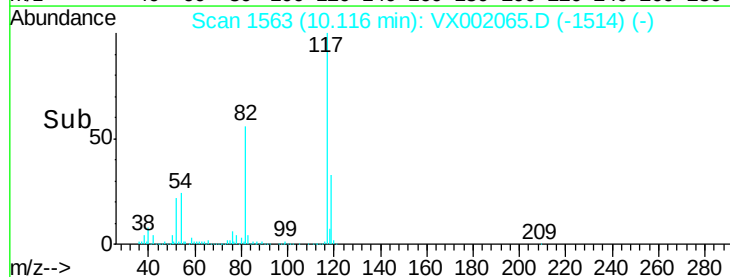
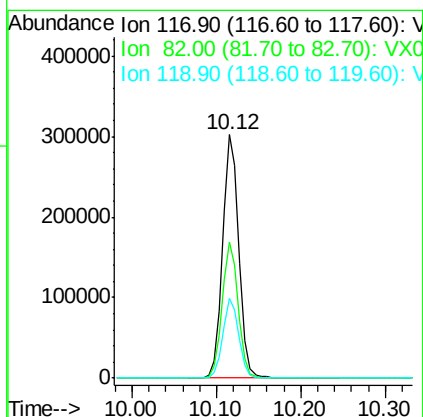
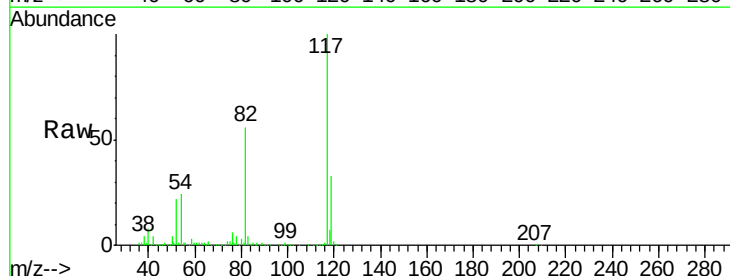
Instrument :  
MSVOA\_X  
ClientSampleId :  
HS-RO-7212003

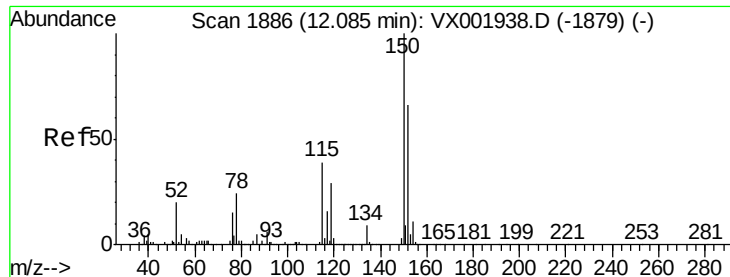
Tot Ion: 95 Resp: 225329  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 178.8  
176 89.9 0.0 175.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002065.D  
Acq: 27 May 2018 13:46

Tgt Ion: 117 Resp: 401854  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.8 67.2  
119 32.5 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: VX002065.D

Acq: 27 May 2018 13:46

Instrument :

MSVOA\_X

ClientSampleId :

HS-RO-7212003

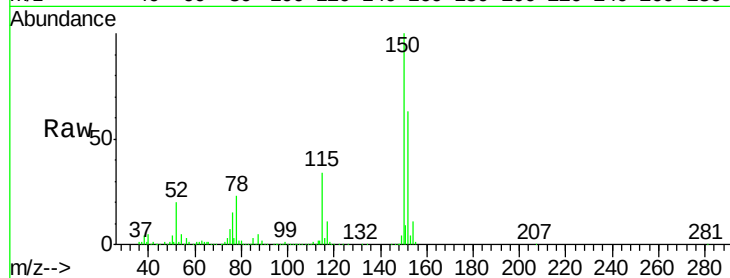
Tot Ion:152 Resp: 219400

Ion Ratio Lower Upper

152 100

115 55.3 42.3 126.8

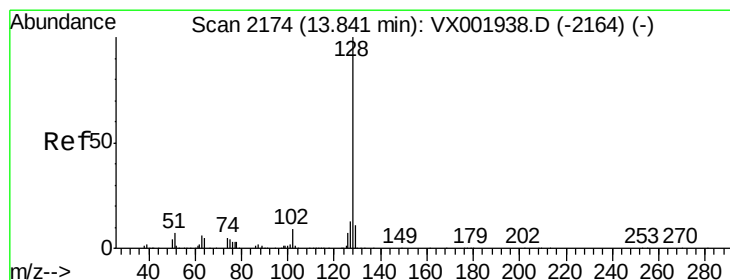
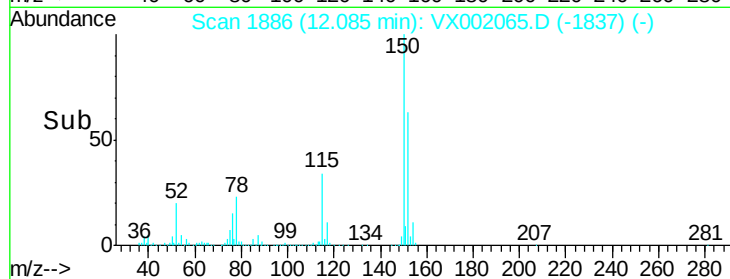
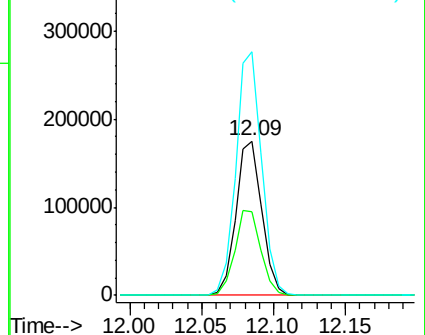
150 157.4 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 6.51 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002065.D

Acq: 27 May 2018 13:46

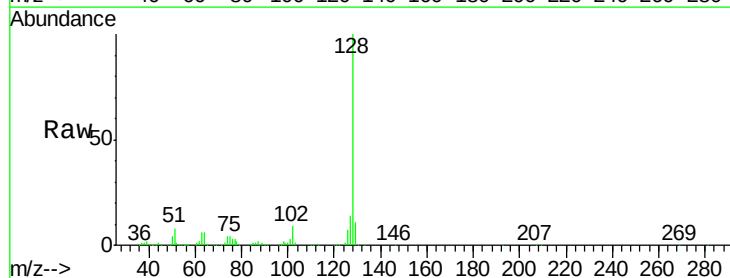
Tgt Ion:128 Resp: 128968

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

