

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\  
 Data File : VX005100.D  
 Acq On : 06 Oct 2018 07:19  
 Operator : JC/MD  
 Sample : J5224-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA18-QBC6

Quant Time: Oct 08 01:47:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

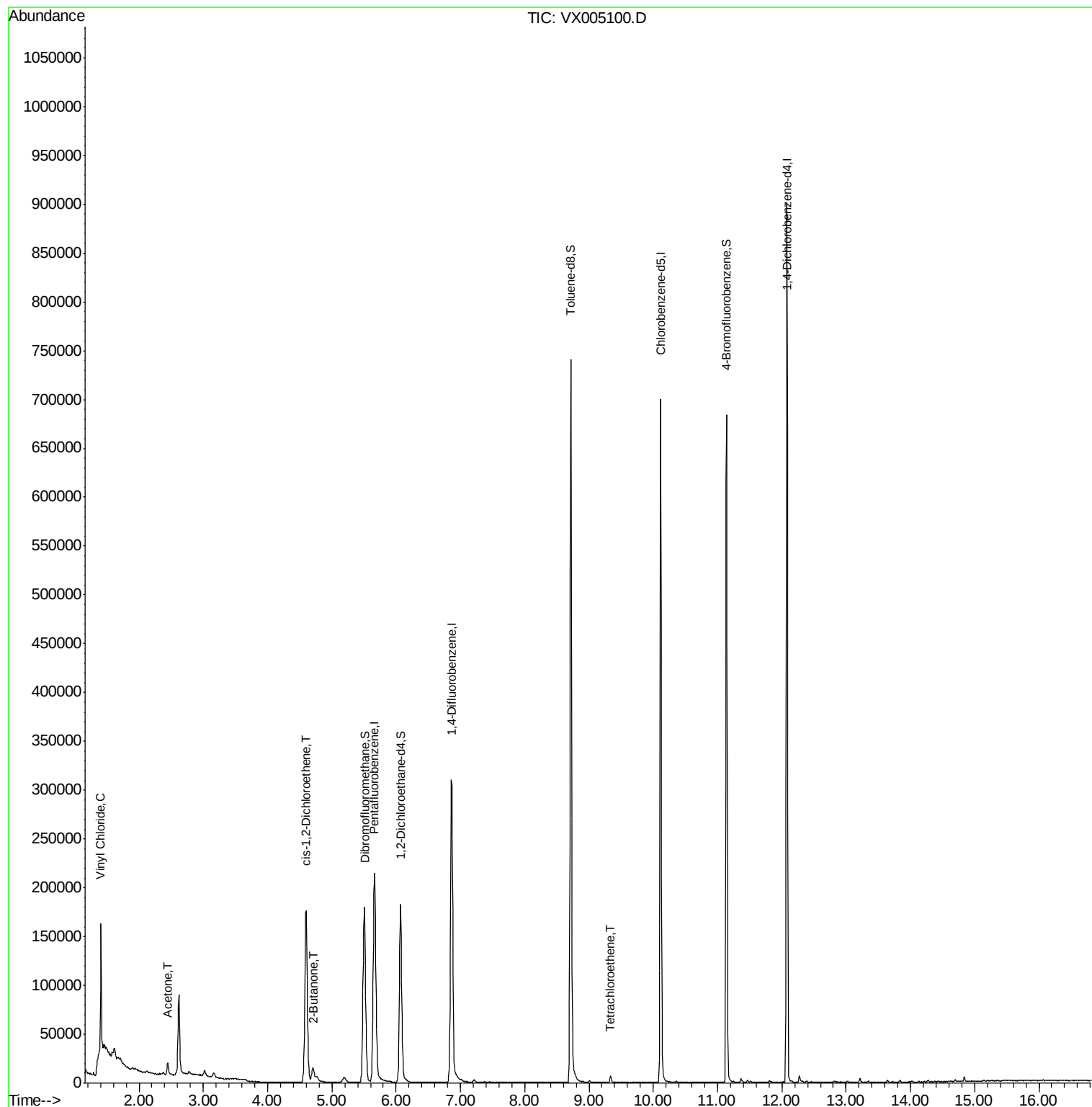
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 223902   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 327207   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 325208   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 185859   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 172437   | 53.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.82% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 152640   | 55.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.08% |          |
| 50) Toluene-d8              | 8.72  | 98   | 477363   | 51.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.56% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 174822   | 52.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.28% |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 4) Vinyl Chloride           | 1.40  | 62   | 81901    | 23.577 | ug/l    | 91       |
| 16) Acetone                 | 2.45  | 43   | 13175    | 7.056  | ug/l    | 99       |
| 25) 2-Butanone              | 4.71  | 43   | 26288    | 9.551  | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 117395   | 39.569 | ug/l    | 88       |
| 64) Tetrachloroethene       | 9.34  | 164  | 1176     | 0.367  | ug/l    | 92       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100518\  
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Acq On : 06 Oct 2018 07:19  
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Sample : J5224-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-QBC6

Quant Time: Oct 08 01:47:34 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005100.D

Acq: 06 Oct 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

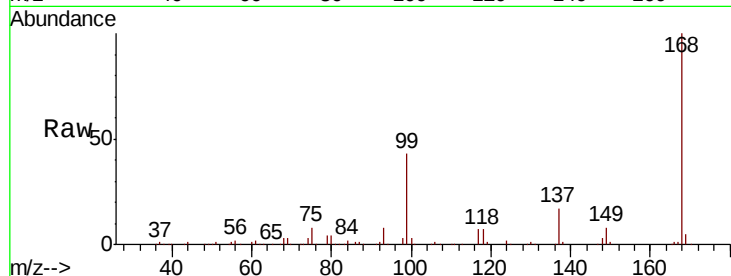
FA18-QBC6

Tot Ion:168 Resp: 223902

Ion Ratio Lower Upper

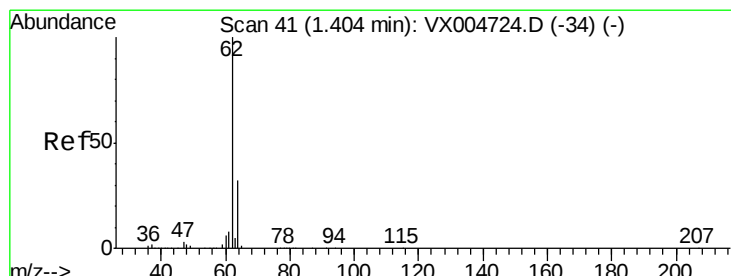
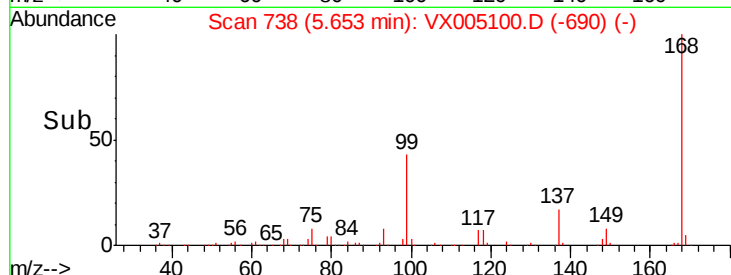
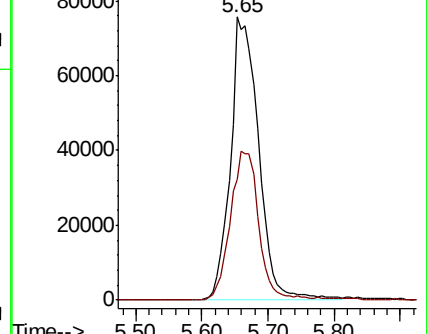
168 100

99 42.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 23.577 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005100.D

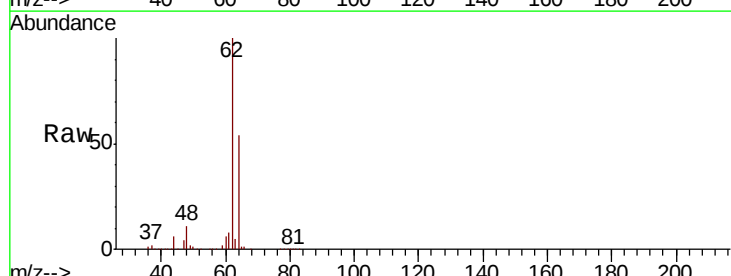
Acq: 06 Oct 2018 07:19

Tgt Ion: 62 Resp: 81901

Ion Ratio Lower Upper

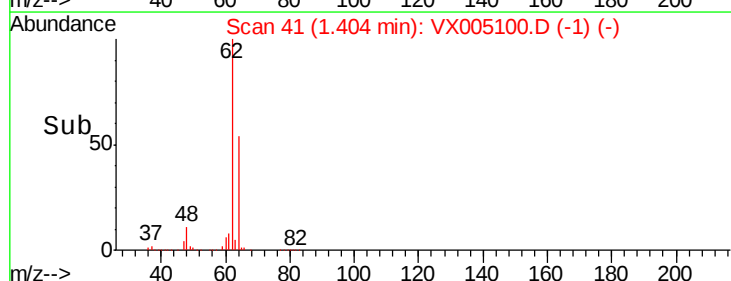
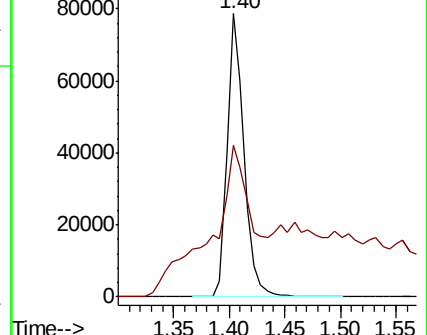
62 100

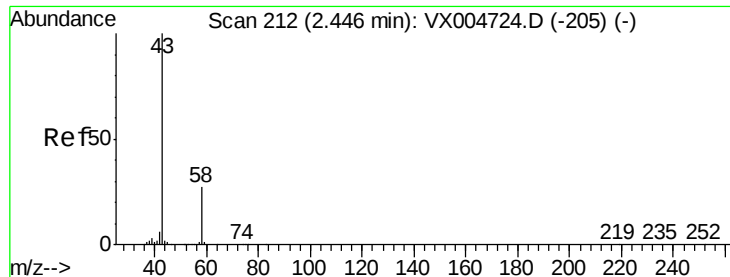
64 36.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 7.056 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005100.D

Acq: 06 Oct 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

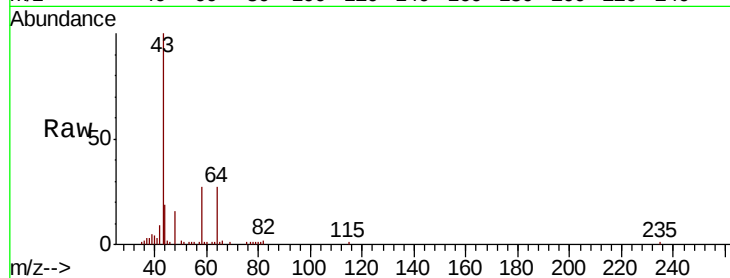
FA18-QBC6

Tot Ion: 43 Resp: 13175

Ion Ratio Lower Upper

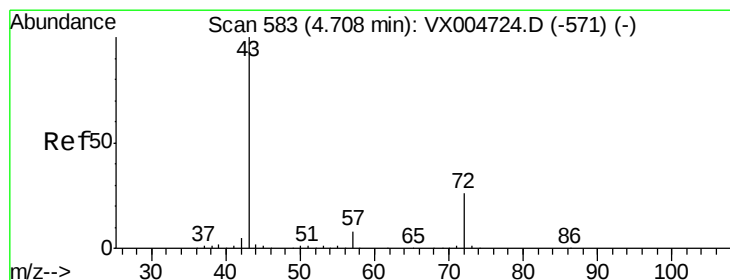
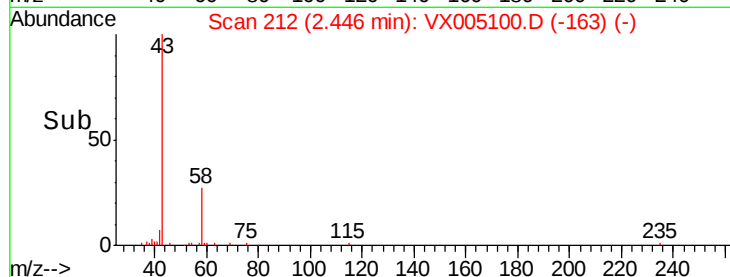
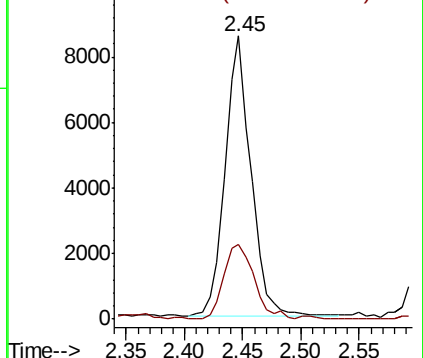
43 100

58 26.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 9.551 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005100.D

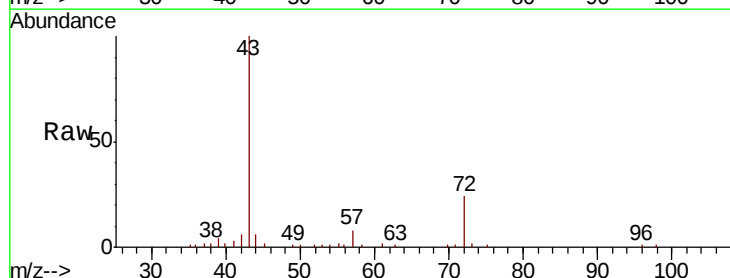
Acq: 06 Oct 2018 07:19

Tgt Ion: 43 Resp: 26288

Ion Ratio Lower Upper

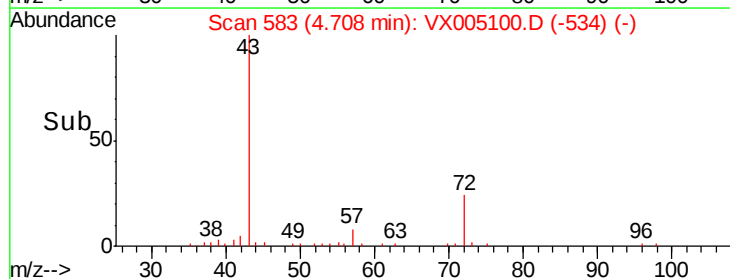
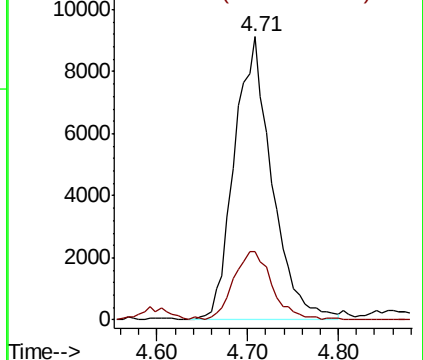
43 100

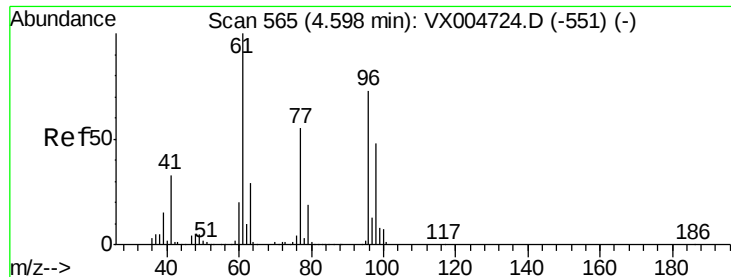
72 24.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 39.569 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX005100.D

Acq: 06 Oct 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

FA18-QBC6

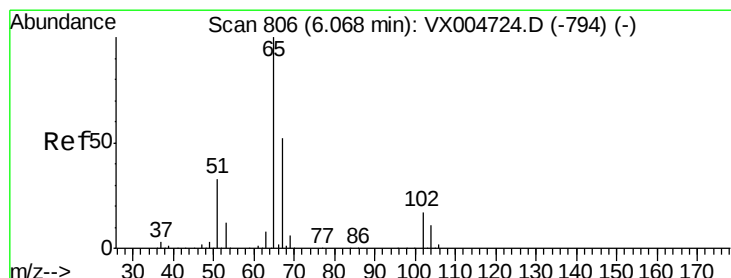
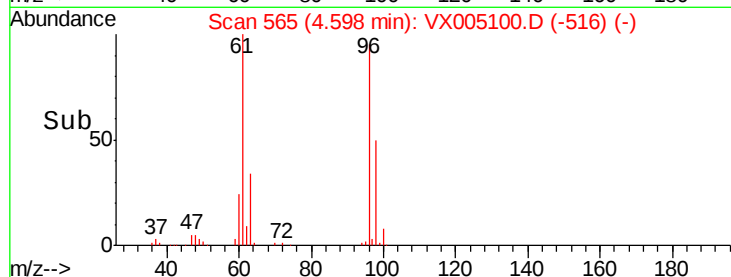
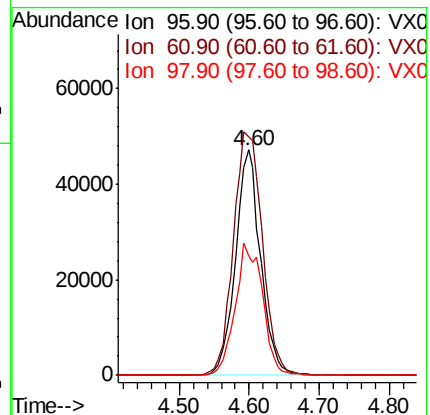
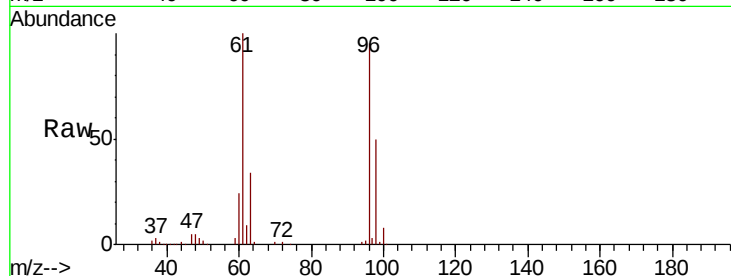
Tot Ion: 96 Resp: 117395

Ion Ratio Lower Upper

96 100

61 124.3 0.0 285.8

98 63.8 0.0 136.2



#33

1,2-Dichloroethane-d4

Concen: 53.913 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005100.D

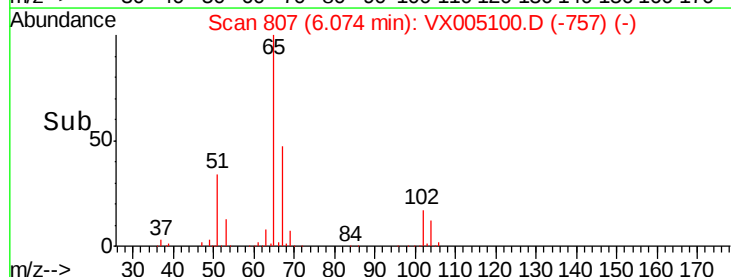
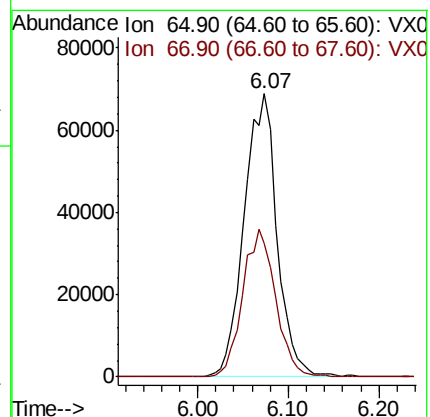
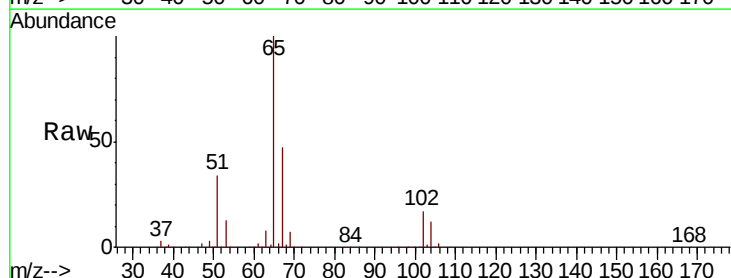
Acq: 06 Oct 2018 07:19

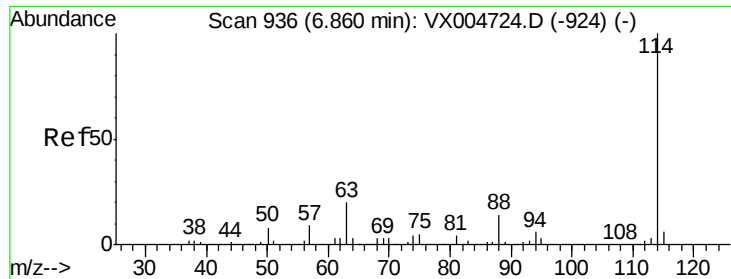
Tgt Ion: 65 Resp: 172437

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4

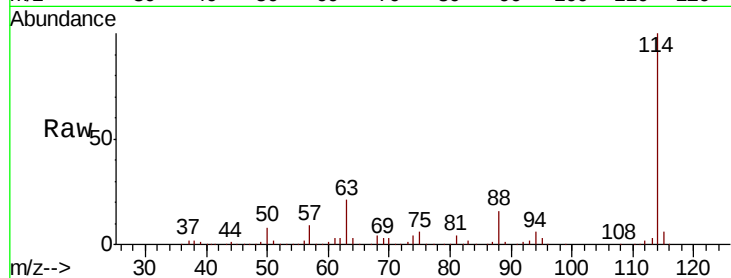




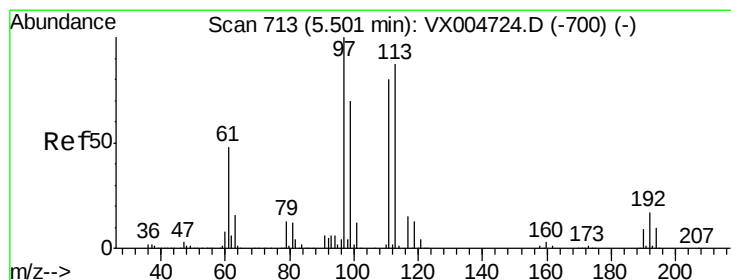
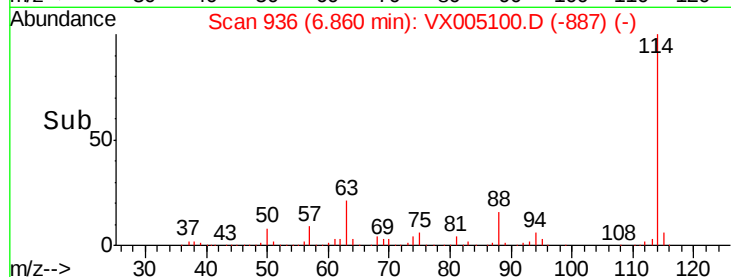
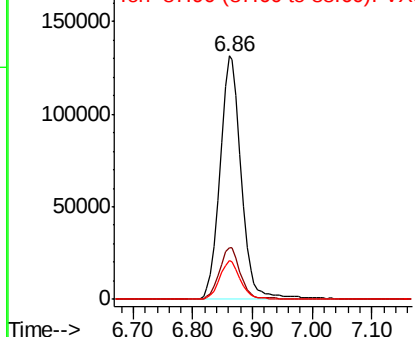
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: VX005100.D  
Acq: 06 Oct 2018 07:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-QBC6

Tot Ion:114 Resp: 327207  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 39.8  
88 16.2 0.0 27.0

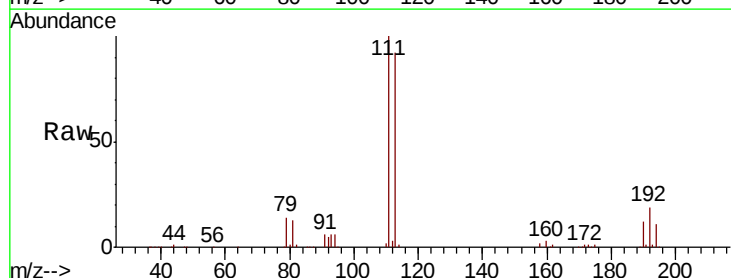


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

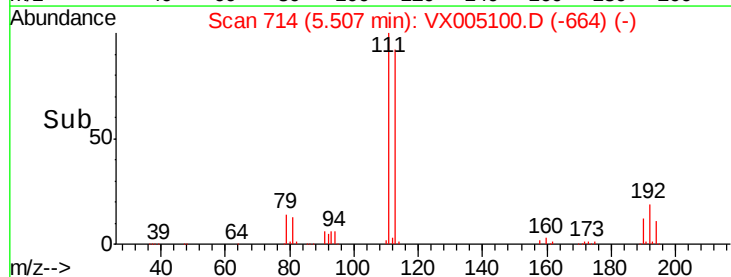
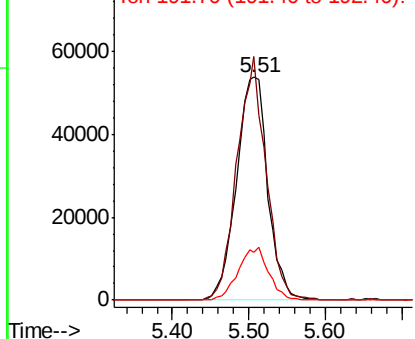


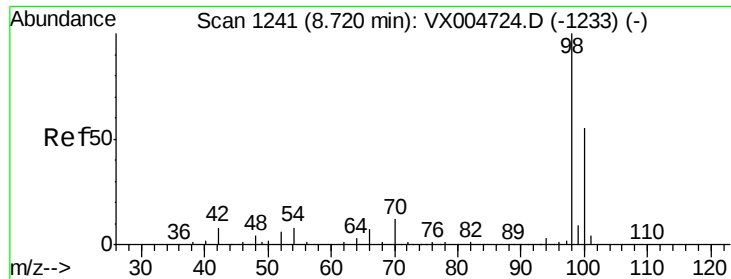
#35  
Dibromofluoromethane  
Concen: 55.043 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. 0.01 min  
Lab File: VX005100.D  
Acq: 06 Oct 2018 07:19

Tgt Ion:113 Resp: 152640  
Ion Ratio Lower Upper  
113 100  
111 100.8 77.0 115.4  
192 22.9 17.0 25.6



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: 51.779 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005100.D

Acq: 06 Oct 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

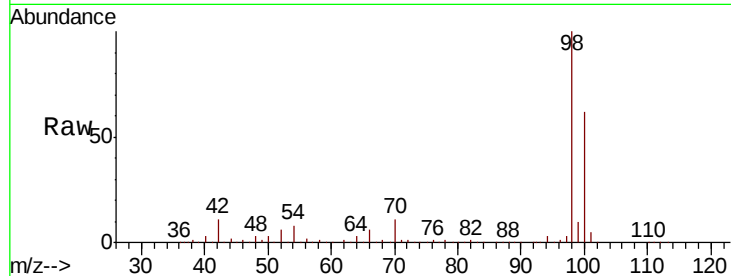
FA18-QBC6

Tot Ion: 98 Resp: 477363

Ion Ratio Lower Upper

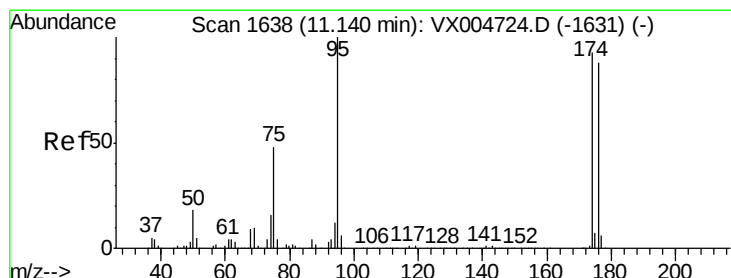
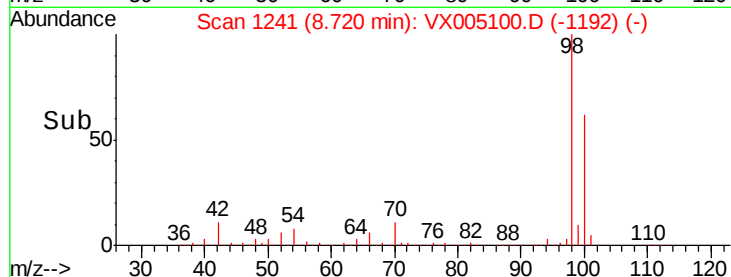
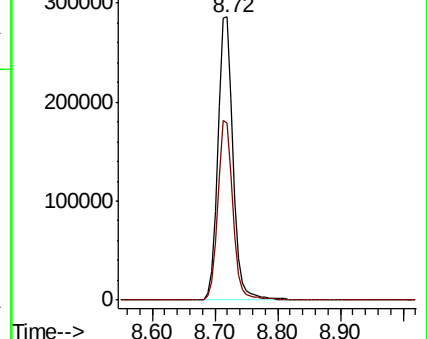
98 100

100 63.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 52.637 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005100.D

Acq: 06 Oct 2018 07:19

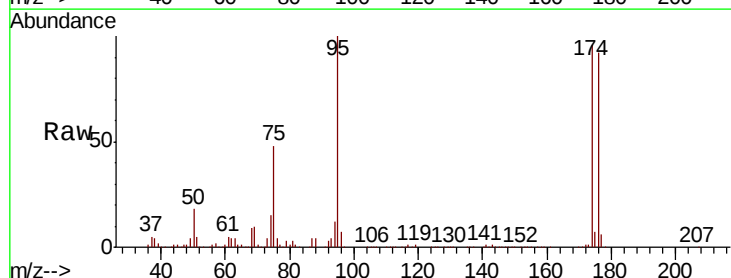
Tgt Ion: 95 Resp: 174822

Ion Ratio Lower Upper

95 100

174 92.8 0.0 185.0

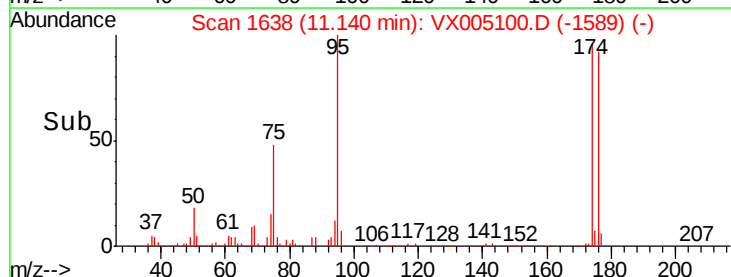
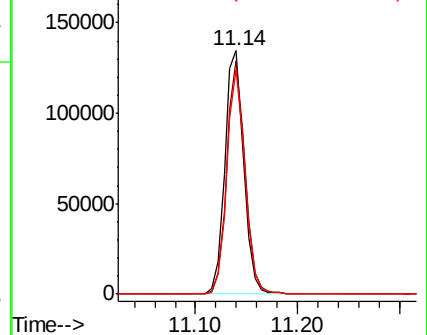
176 88.6 0.0 180.2

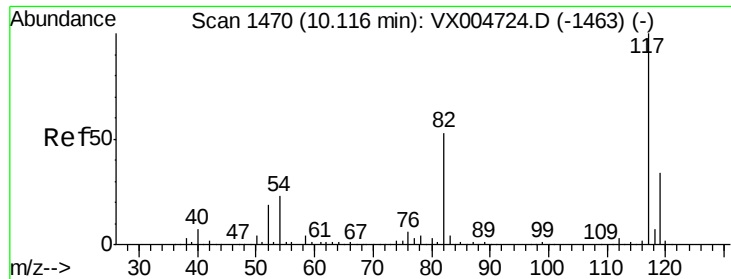


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

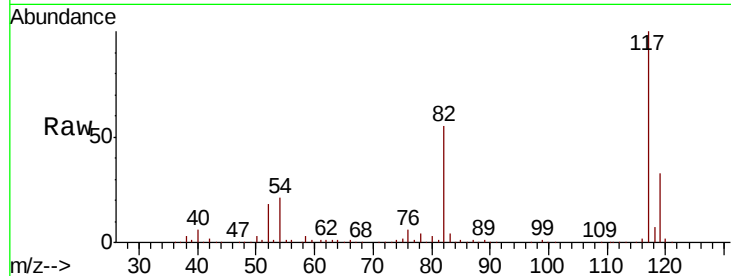




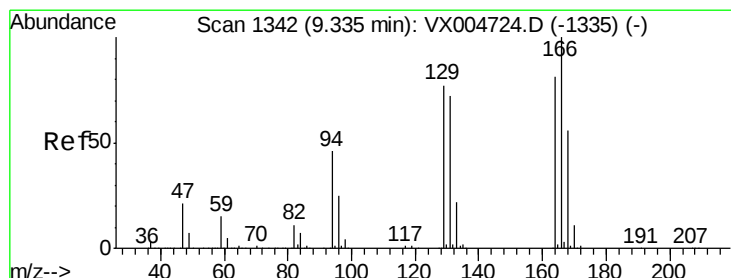
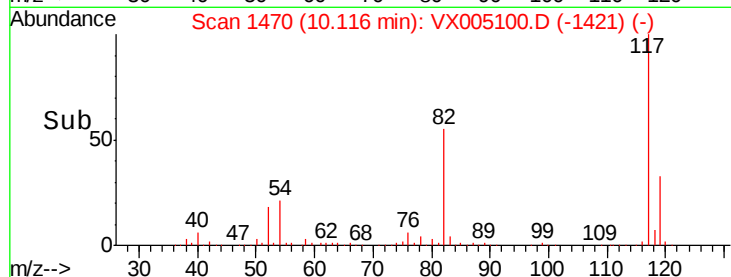
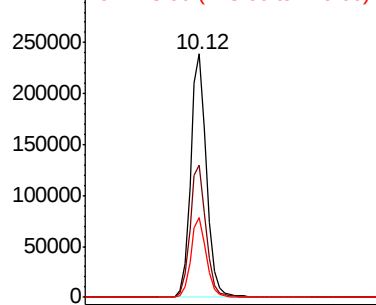
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005100.D  
Acq: 06 Oct 2018 07:19

Instrument :  
MSVOA\_X  
ClientSampled :  
FA18-QBC6

Tot Ion:117 Resp: 325208  
Ion Ratio Lower Upper  
117 100  
82 54.6 42.2 63.4  
119 32.7 27.4 41.0

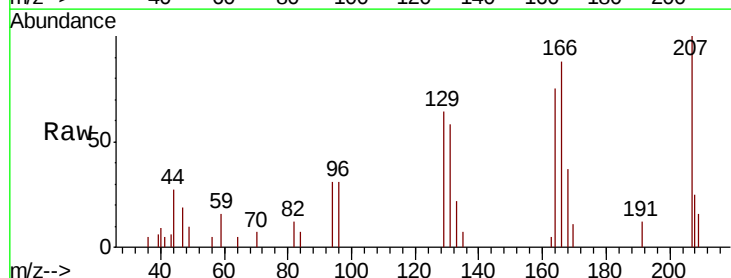


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX  
Ion 118.90 (118.60 to 119.60): V

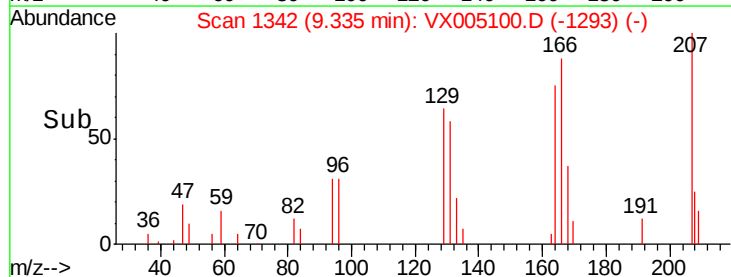
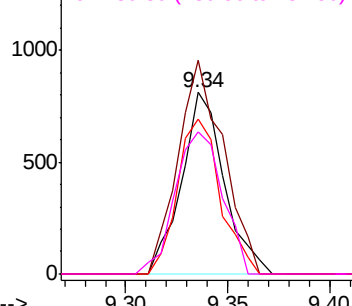


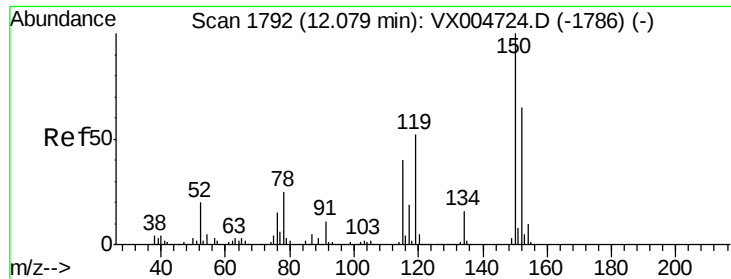
#64  
Tetrachloroethene  
Concen: 0.367 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX005100.D  
Acq: 06 Oct 2018 07:19

Tgt Ion:164 Resp: 1176  
Ion Ratio Lower Upper  
164 100  
166 117.6 98.4 147.6  
129 85.2 76.1 114.1  
131 78.0 71.0 106.4



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005100.D

Acq: 06 Oct 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

FA18-QBC6

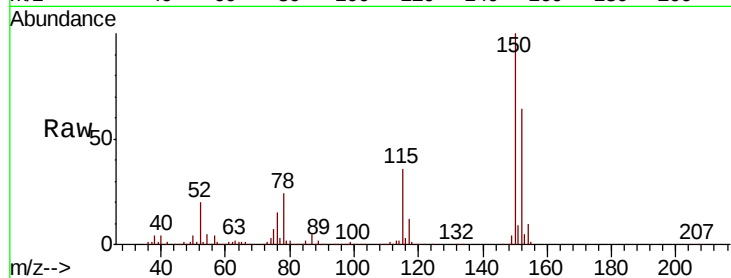
Tot Ion:152 Resp: 185859

Ion Ratio Lower Upper

152 100

115 55.4 40.2 120.6

150 156.2 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

