

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\  
 Data File : VX004476.D  
 Acq On : 11 Sep 2018 20:07  
 Operator : JC/MD  
 Sample : J4857-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS033-180910

Quant Time: Sep 12 11:25:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 15:21:13 2018  
 Response via : Initial Calibration

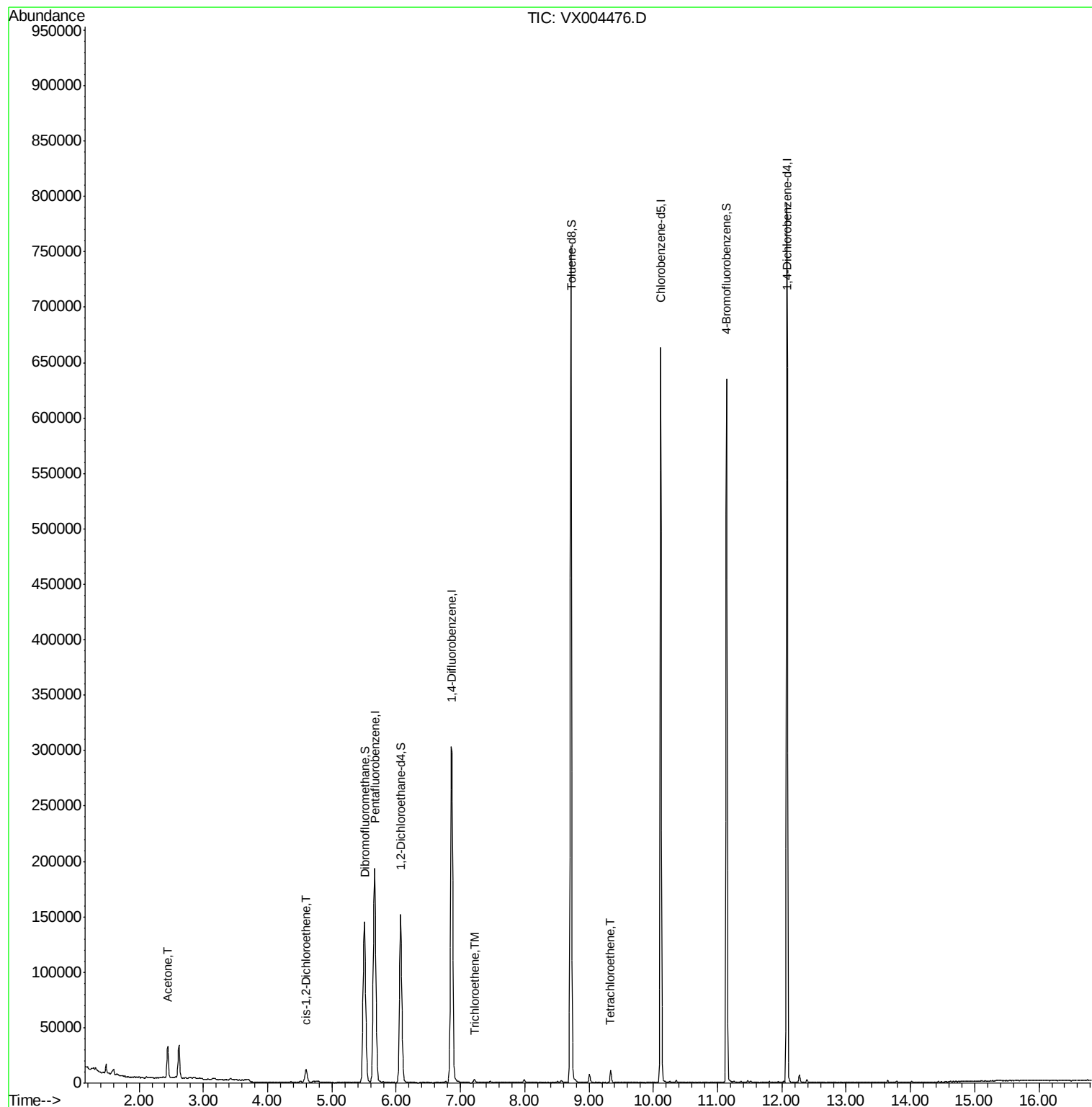
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 196375   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 313683   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 304080   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 167230   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 141288   | 55.80 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.60% |            |
| 35) Dibromofluoromethane    | 5.51  | 113  | 124188   | 43.26 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.52%  |            |
| 50) Toluene-d8              | 8.72  | 98   | 454036   | 47.17 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.34%  |            |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 159970   | 46.56 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.12%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 2.45  | 43   | 30796    | 24.92 | ug/l    | Qvalue 100 |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 7367     | 2.91  | ug/l    | 94         |
| 44) Trichloroethene         | 7.22  | 130  | 1156     | 0.39  | ug/l    | 76         |
| 64) Tetrachloroethene       | 9.34  | 164  | 2334     | 0.61  | ug/l    | 99         |

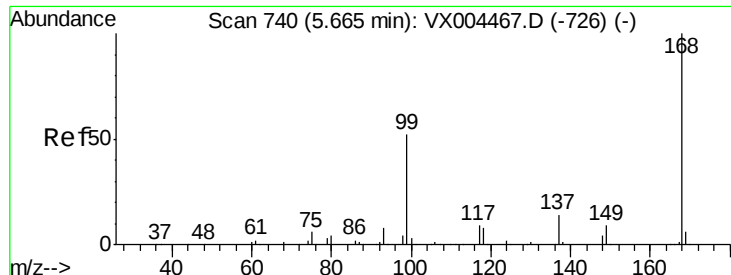
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091118\  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 11 15:21:13 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004476.D

Acq: 11 Sep 2018 20:07

Instrument :

MSVOA\_X

ClientSampleId :

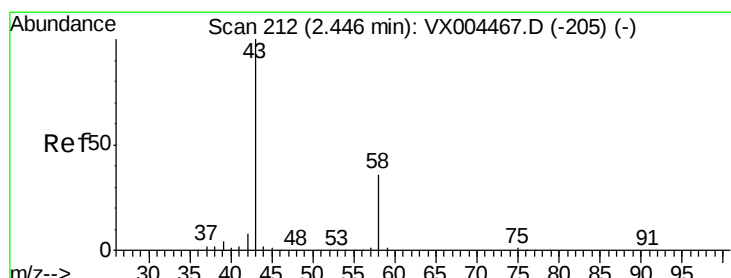
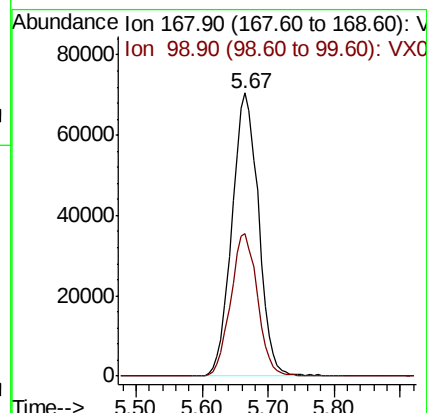
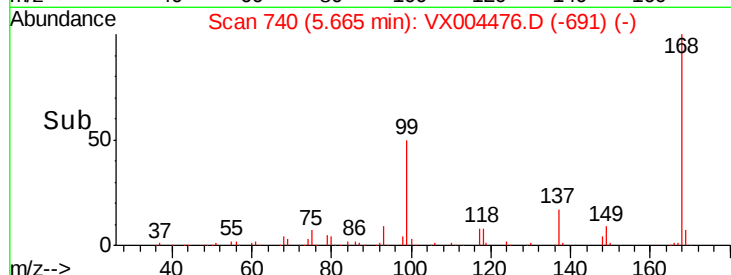
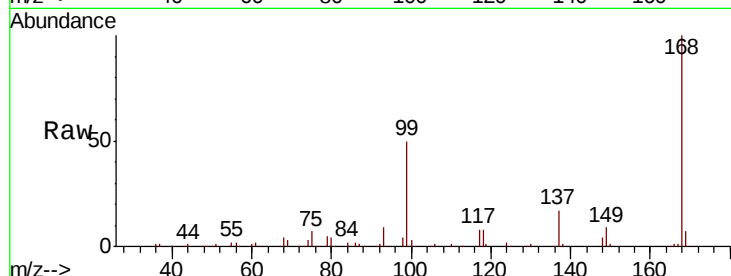
KY038PS033-180910

Tot Ion:168 Resp: 196375

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



#16

Acetone

Concen: 24.92 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004476.D

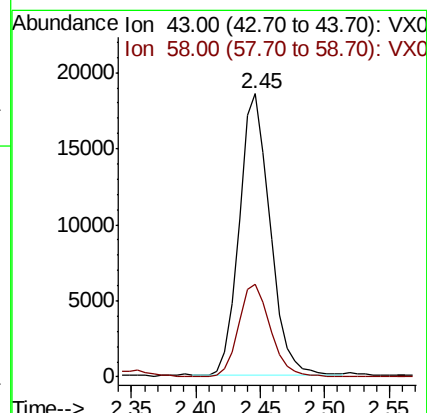
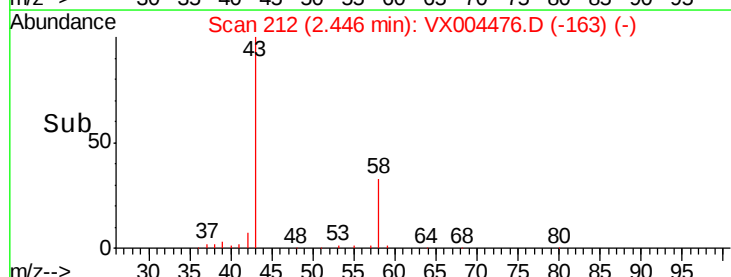
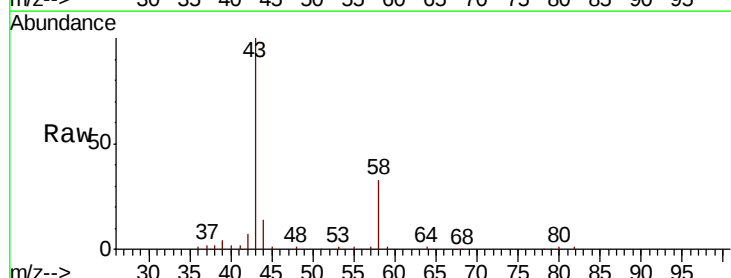
Acq: 11 Sep 2018 20:07

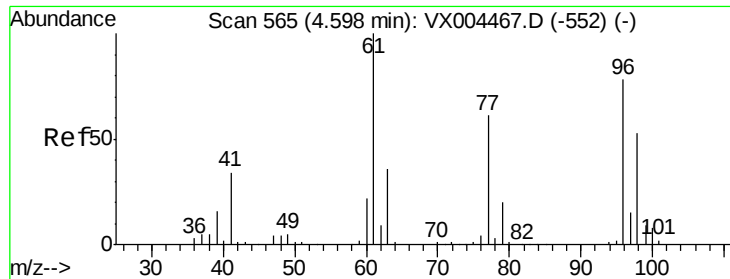
Tgt Ion: 43 Resp: 30796

Ion Ratio Lower Upper

43 100

58 32.9 26.2 39.4



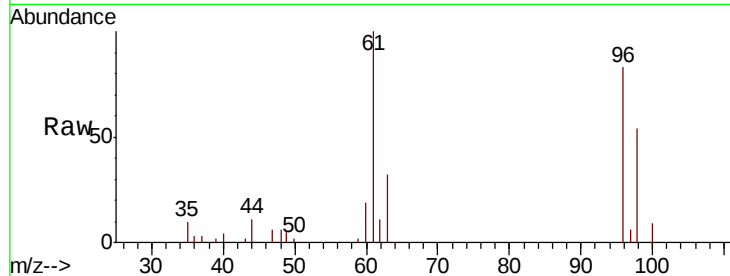


#27

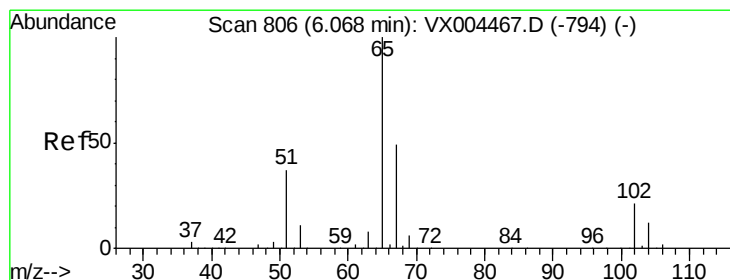
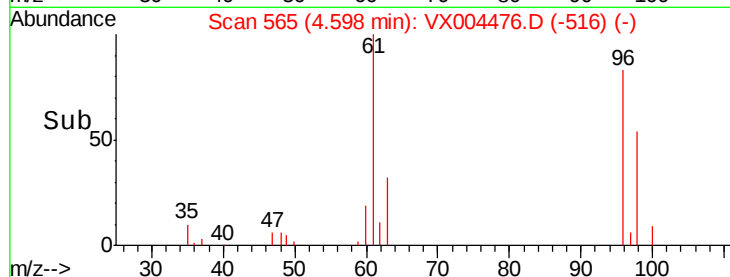
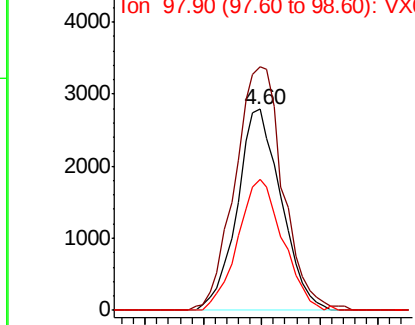
cis-1,2-Dichloroethene  
 Concen: 2.91 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: VX004476.D  
 Acq: 11 Sep 2018 20:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS033-180910

Tot Ion: 96 Resp: 7367  
 Ion Ratio Lower Upper  
 96 100  
 61 131.4 0.0 282.6  
 98 66.3 0.0 130.2



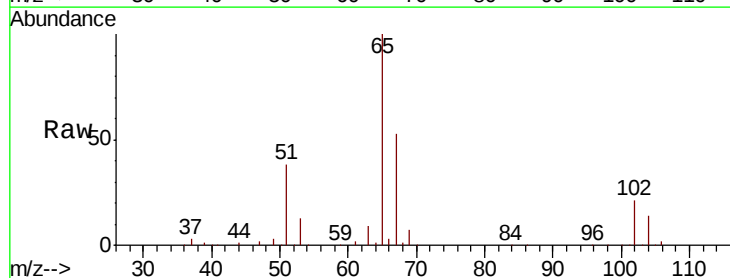
Abundance Ion 95.90 (95.60 to 96.60): VX0  
 Ion 60.90 (60.60 to 61.60): VX0  
 Ion 97.90 (97.60 to 98.60): VX0



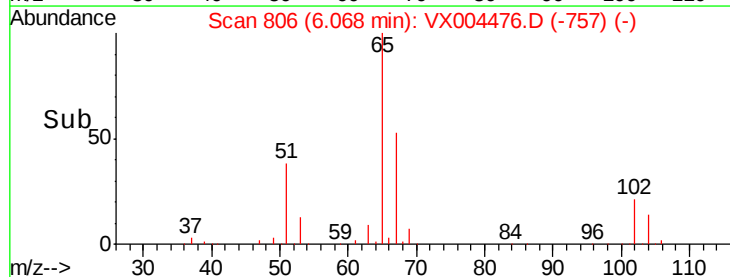
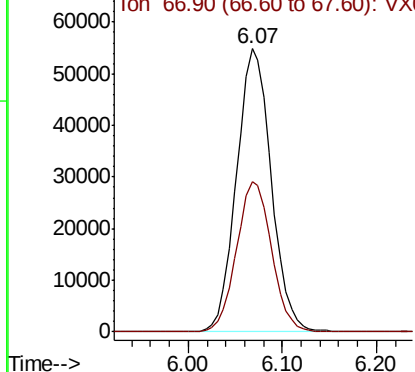
#33

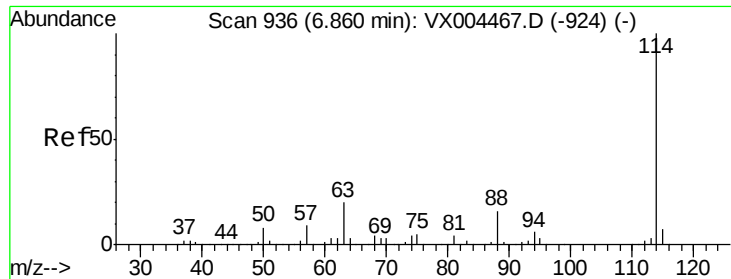
1,2-Dichloroethane-d4  
 Concen: 55.80 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004476.D  
 Acq: 11 Sep 2018 20:07

Tgt Ion: 65 Resp: 141288  
 Ion Ratio Lower Upper  
 65 100  
 67 53.7 0.0 106.8



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# 937

Delta R.T. 0.01 min

Lab File: VX004476.D

Acq: 11 Sep 2018 20:07

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS033-180910

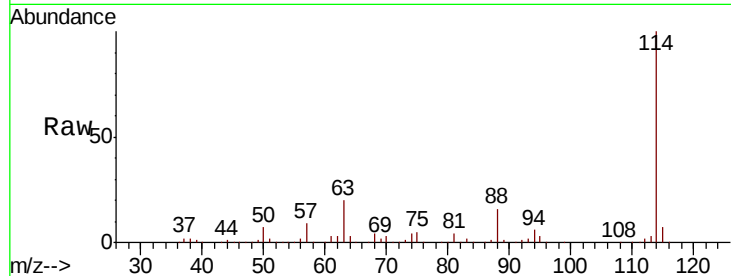
Tot Ion:114 Resp: 313683

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

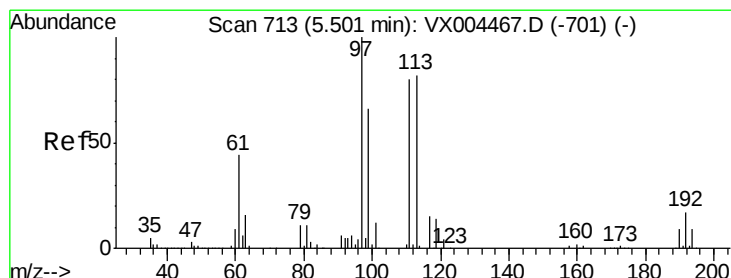
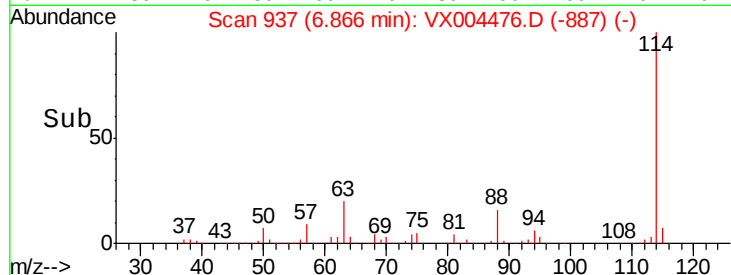
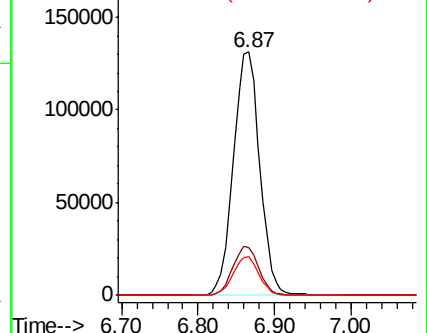
88 15.8 0.0 30.4



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: 43.26 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004476.D

Acq: 11 Sep 2018 20:07

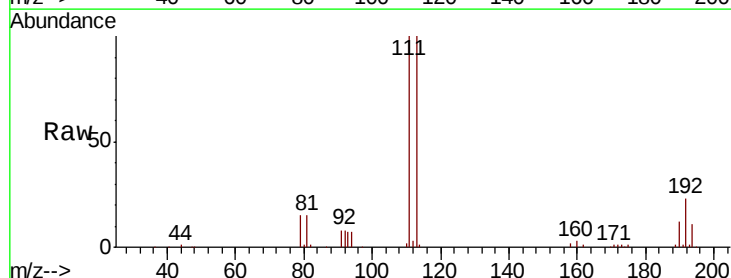
Tgt Ion:113 Resp: 124188

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

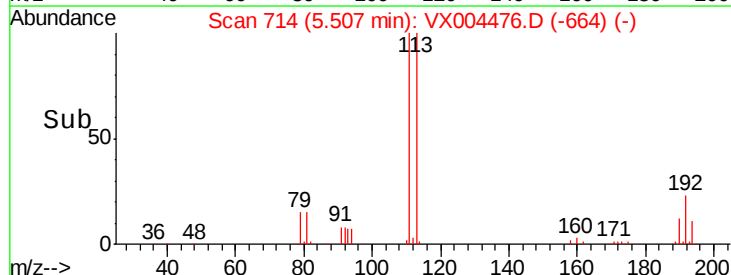
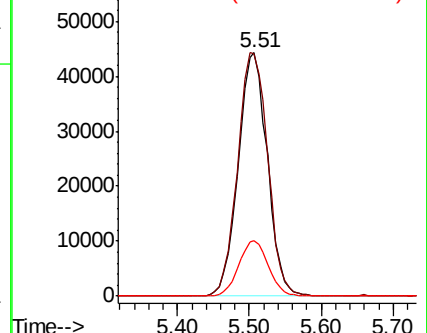
192 23.0 19.4 29.2

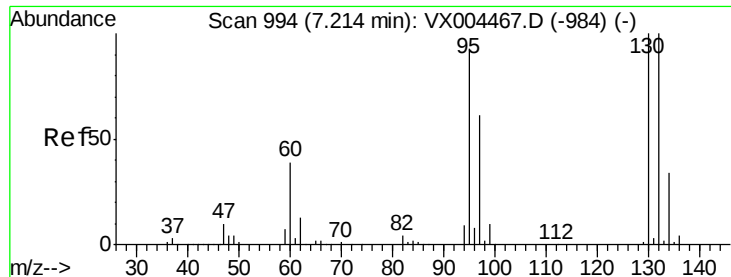


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.39 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX004476.D

Acq: 11 Sep 2018 20:07

Instrument :

MSVOA\_X

ClientSampleId :

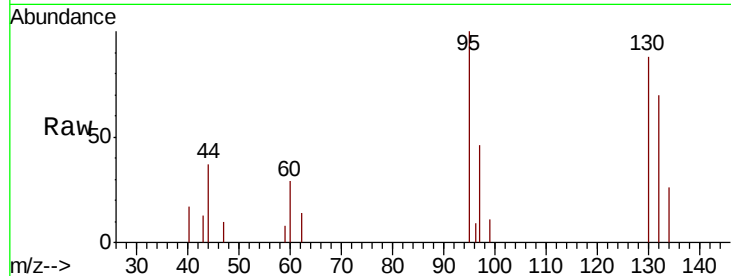
KY038PS033-180910

Tot Ion:130 Resp: 1156

Ion Ratio Lower Upper

130 100

95 113.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

800

600

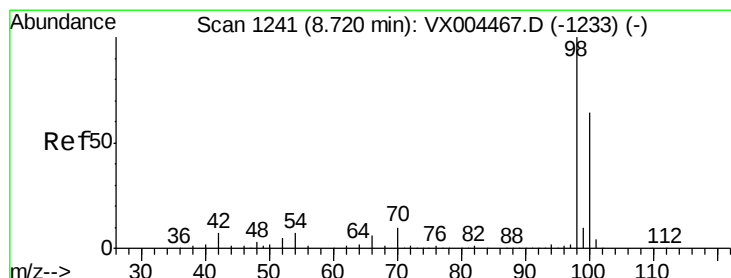
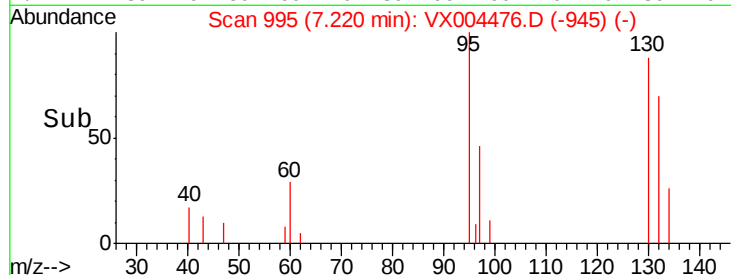
400

200

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 47.17 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004476.D

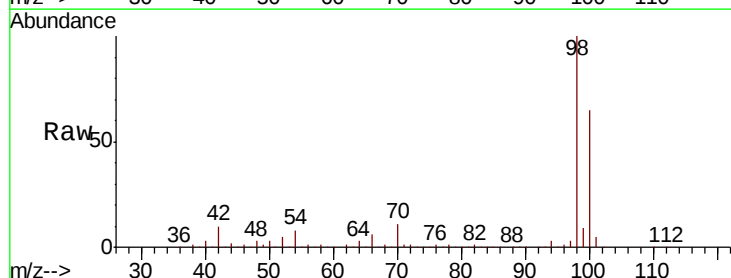
Acq: 11 Sep 2018 20:07

Tgt Ion: 98 Resp: 454036

Ion Ratio Lower Upper

98 100

100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

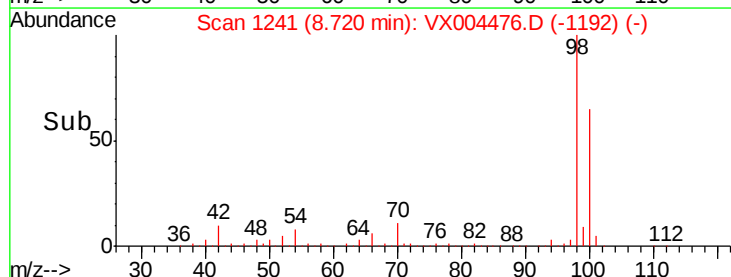
200000

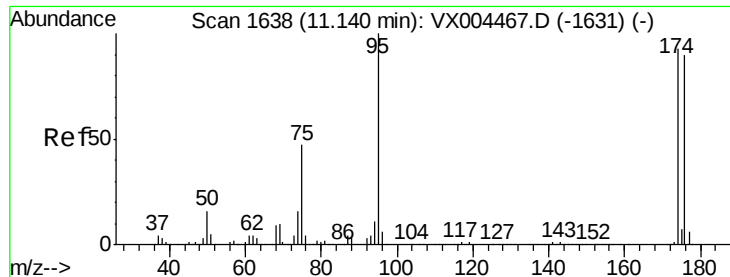
100000

0

8.60 8.70 8.80 8.90

Time-->

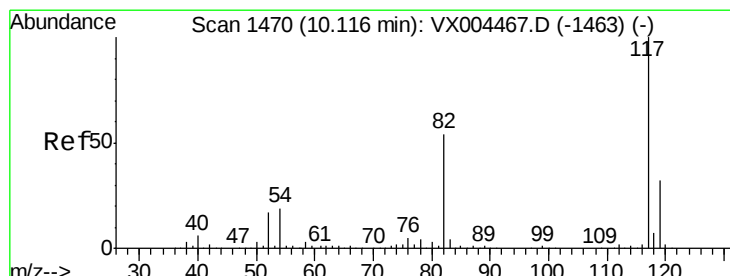
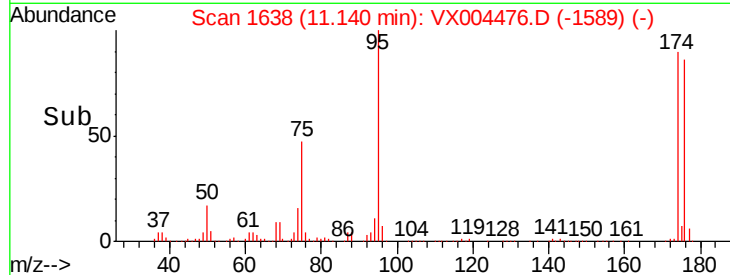
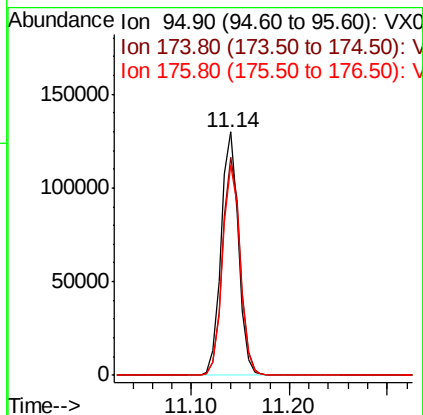
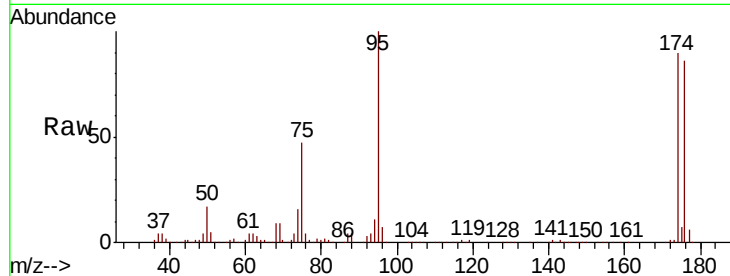




#62  
4-Bromofluorobenzene  
Concen: 46.56 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX004476.D  
Acq: 11 Sep 2018 20:07

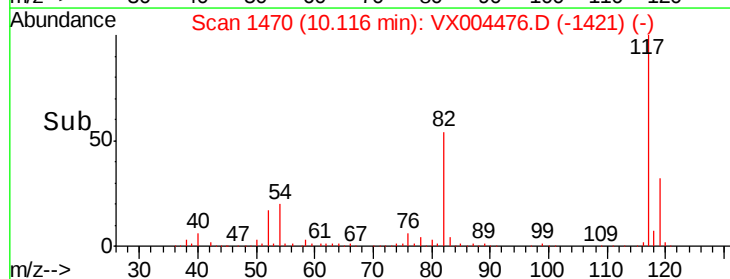
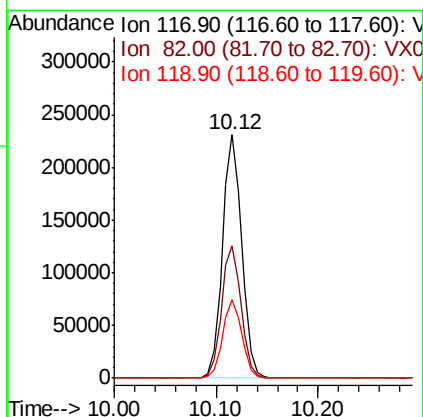
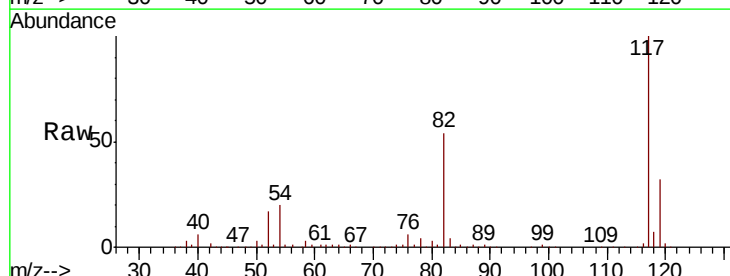
Instrument :  
MSVOA\_X  
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KY038PS033-180910

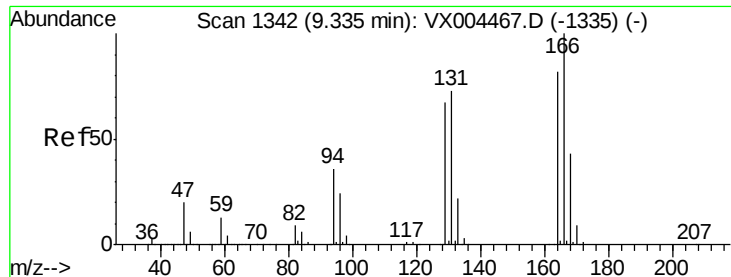
Tot Ion: 95 Resp: 159970  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 185.2  
176 87.9 0.0 178.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004476.D  
Acq: 11 Sep 2018 20:07

Tgt Ion: 117 Resp: 304080  
Ion Ratio Lower Upper  
117 100  
82 54.4 47.8 71.6  
119 32.1 29.3 43.9

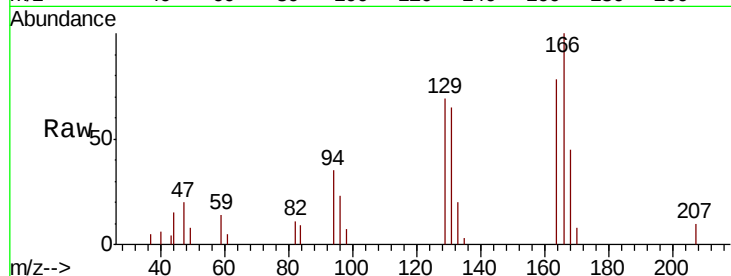




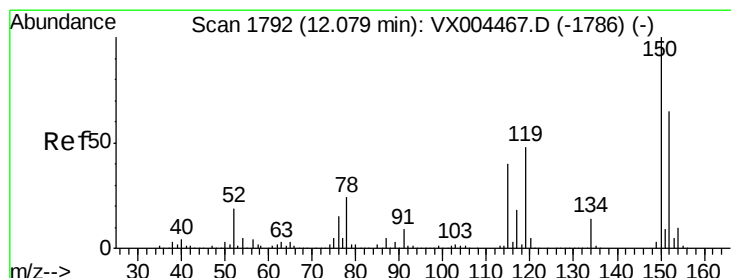
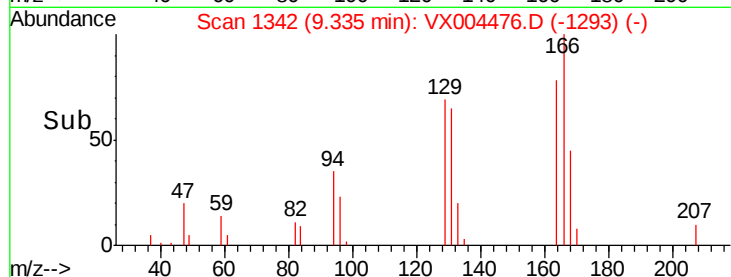
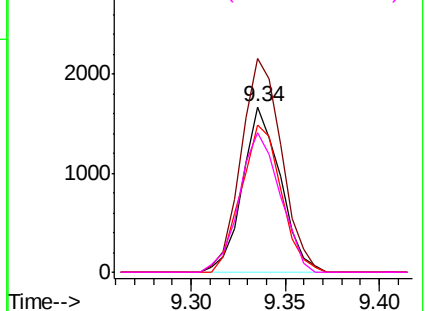
#64  
Tetrachloroethene  
Concen: 0.61 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX004476.D  
Acq: 11 Sep 2018 20:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS033-180910

Tot Ion:164 Resp: 2334  
Ion Ratio Lower Upper  
164 100  
166 128.9 102.8 154.2  
129 89.1 69.4 104.0  
131 84.3 67.9 101.9

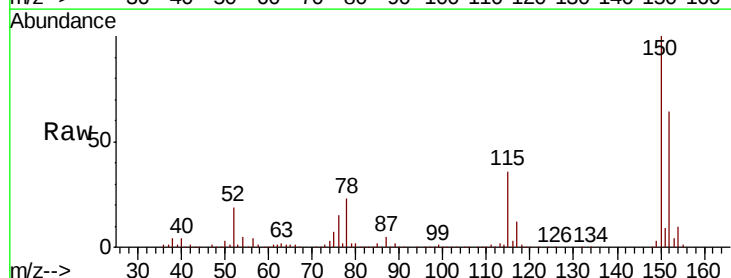


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004476.D  
Acq: 11 Sep 2018 20:07

Tgt Ion:152 Resp: 167230  
Ion Ratio Lower Upper  
152 100  
115 55.5 39.0 117.0  
150 156.0 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

