

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\  
 Data File : VX004372.D  
 Acq On : 05 Sep 2018 15:58  
 Operator : JC/MD  
 Sample : J4794-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-180904

Quant Time: Sep 06 01:38:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

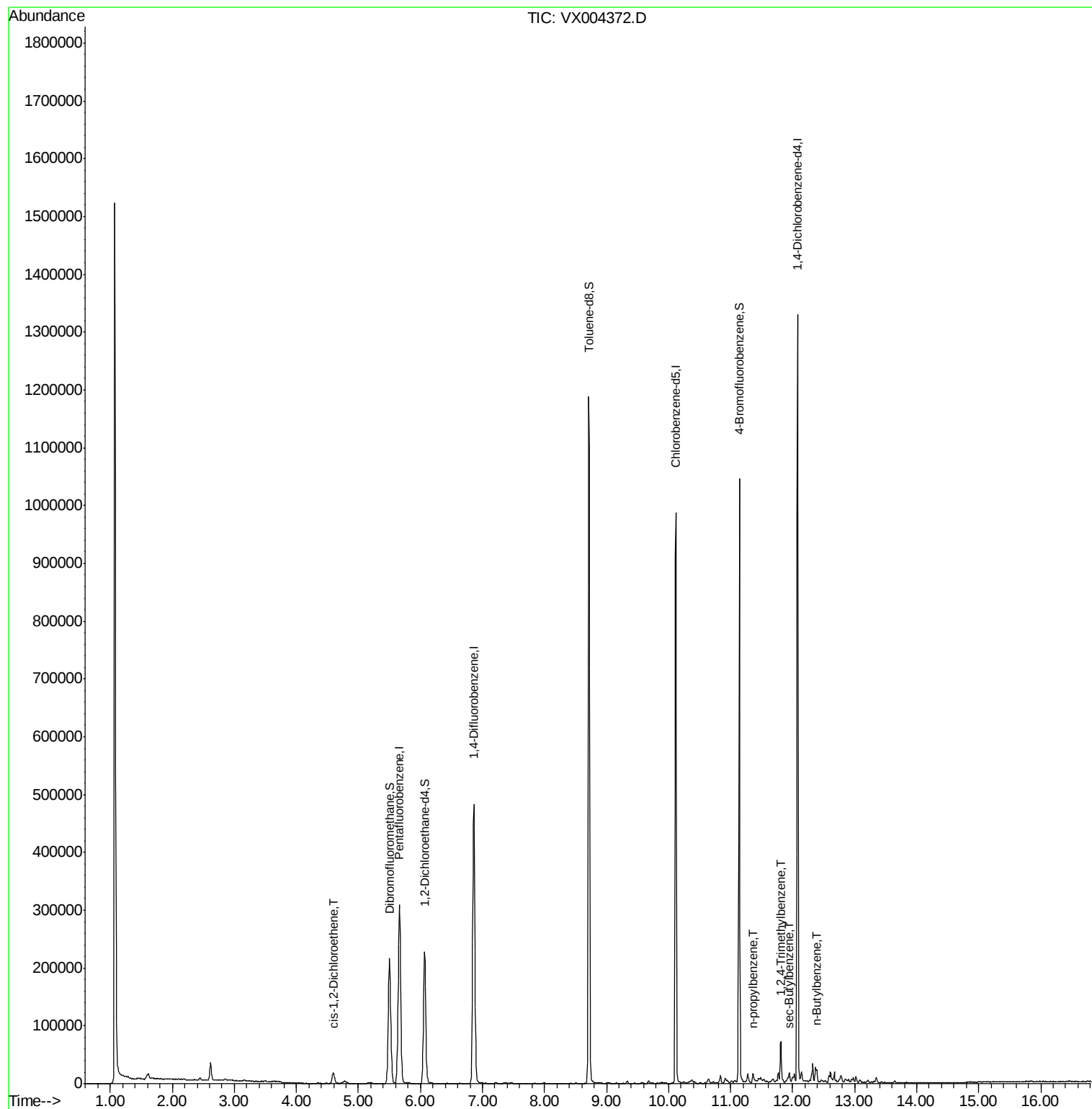
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 321537   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 505174   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 457448   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 284306   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 211093   | 50.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.74% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 184785   | 49.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.34%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 707700   | 49.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.78%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 263651   | 49.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.62%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 12016    | 2.81  | ug/l    | 90       |
| 78) n-propylbenzene         | 11.36 | 91   | 8408     | 0.39  | ug/l    | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.81 | 105  | 30132    | 1.90  | ug/l    | 97       |
| 85) sec-Butylbenzene        | 11.94 | 105  | 5002     | 0.27  | ug/l    | 95       |
| 89) n-Butylbenzene          | 12.39 | 91   | 8298     | 0.62  | ug/l #  | 81       |

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

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QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004372.D

Acq: 05 Sep 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

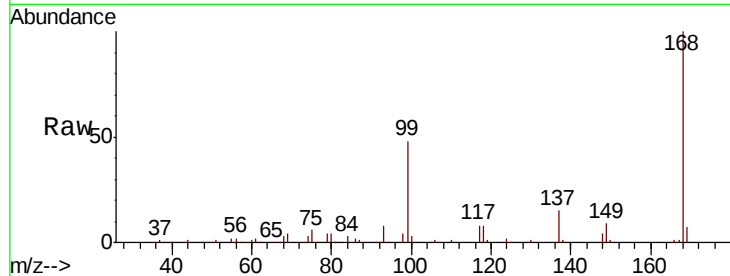
OUTFALL001-180904

Tot Ion:168 Resp: 321537

Ion Ratio Lower Upper

168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

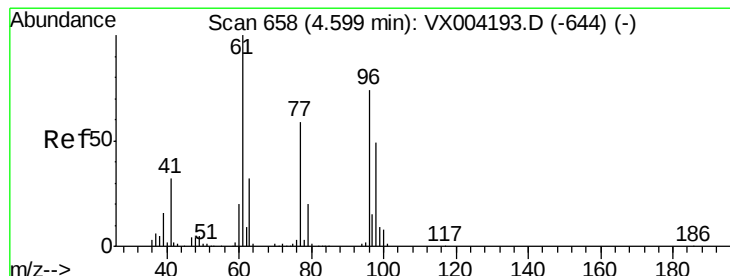
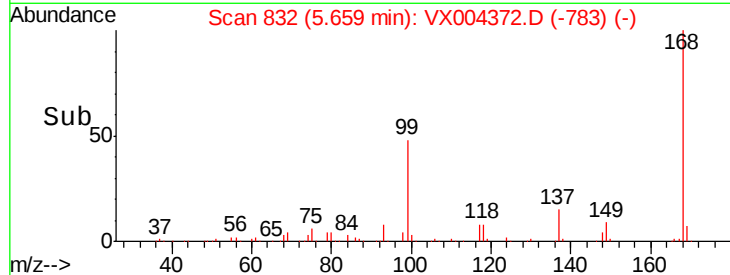
5.66

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 2.81 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004372.D

Acq: 05 Sep 2018 15:58

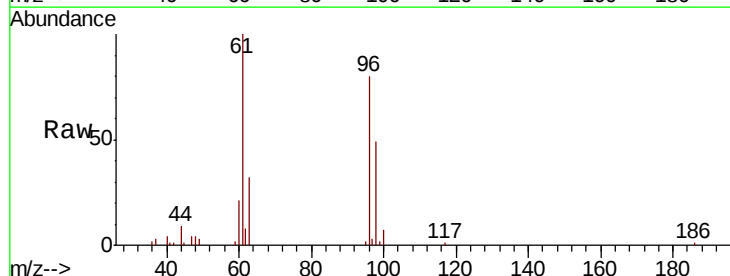
Tgt Ion: 96 Resp: 12016

Ion Ratio Lower Upper

96 100

61 125.0 0.0 282.6

98 66.9 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

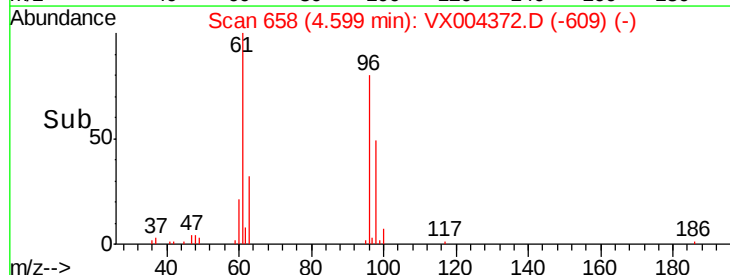
6000

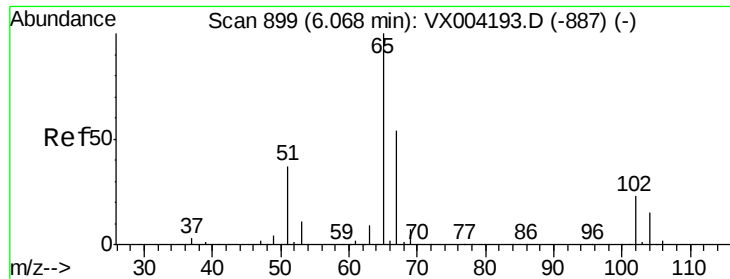
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.37 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004372.D

Acq: 05 Sep 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

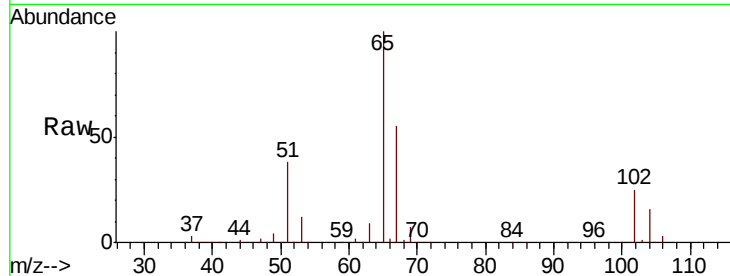
OUTFALL001-180904

Tot Ion: 65 Resp: 211093

Ion Ratio Lower Upper

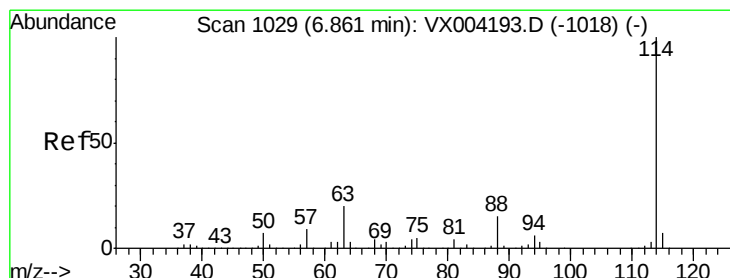
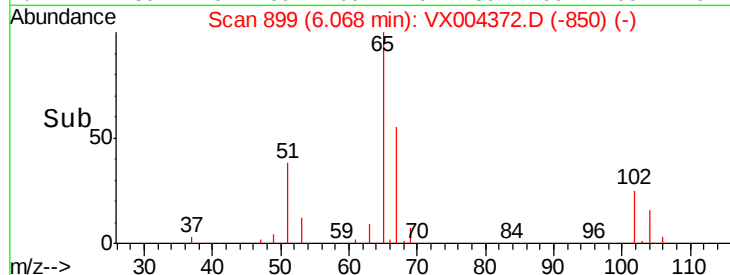
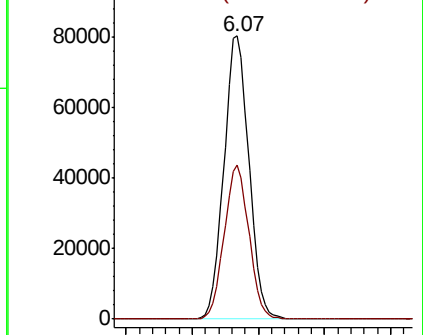
65 100

67 53.6 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: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004372.D

Acq: 05 Sep 2018 15:58

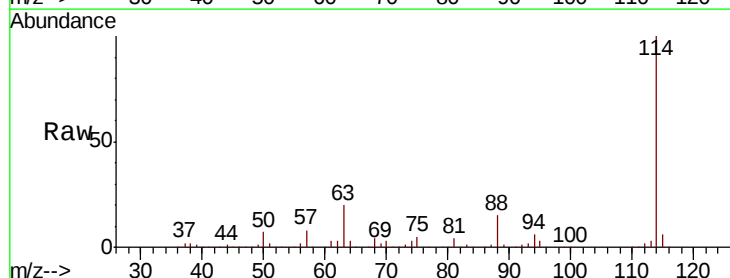
Tgt Ion: 114 Resp: 505174

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

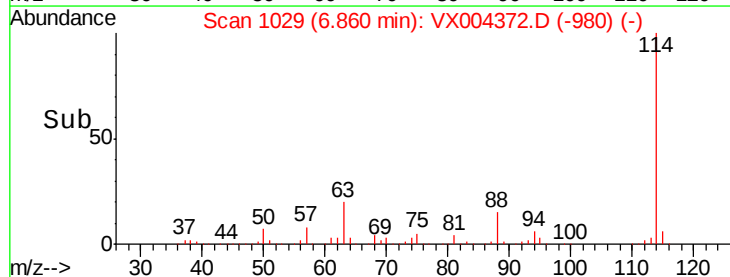
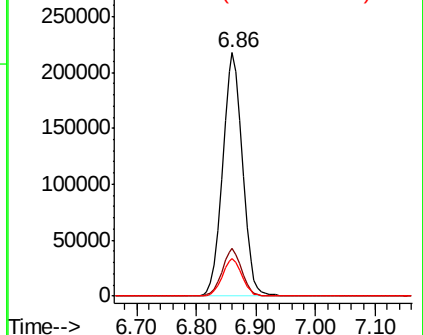
88 15.3 0.0 30.4

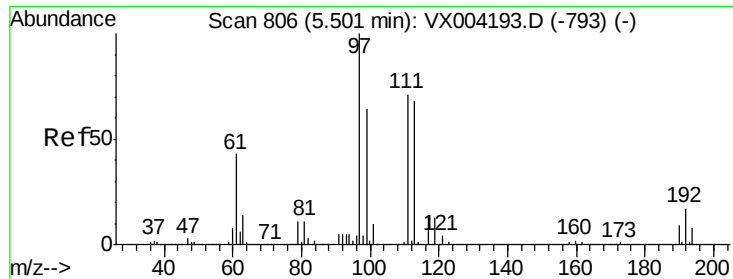


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

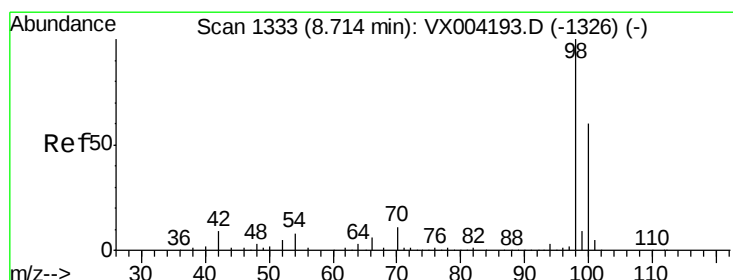
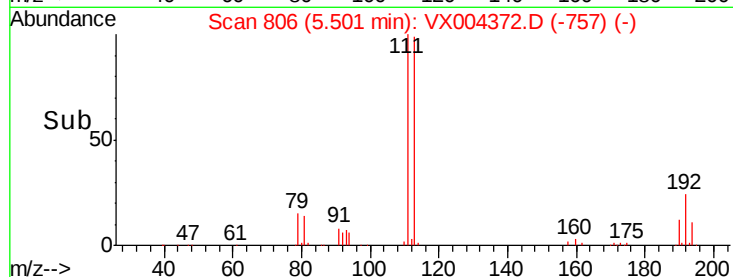
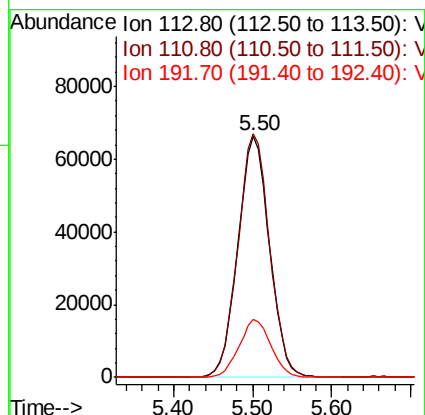
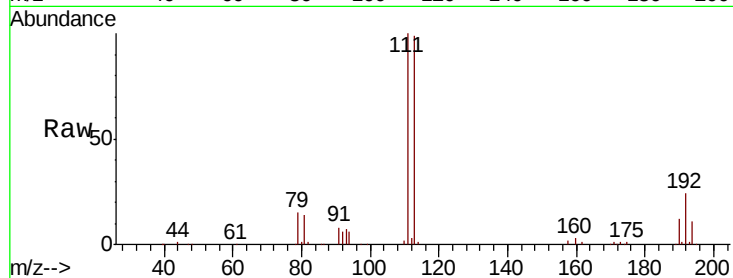




#35  
 Dibromofluoromethane  
 Concen: 49.17 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004372.D  
 Acq: 05 Sep 2018 15:58

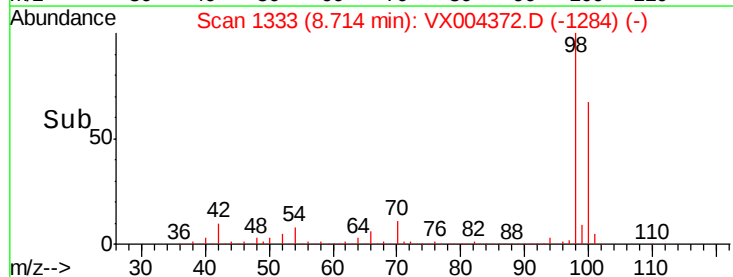
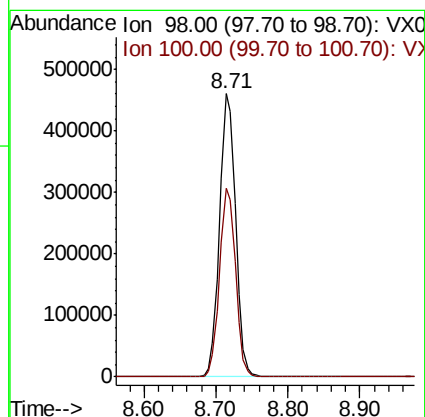
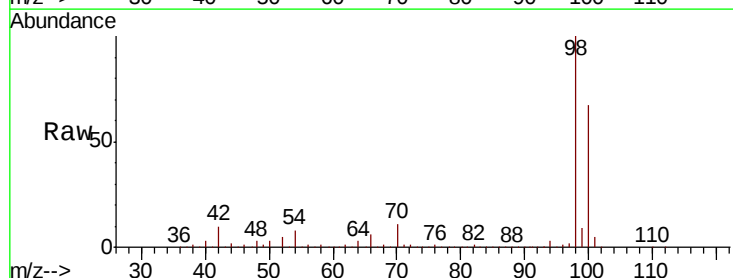
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-180904

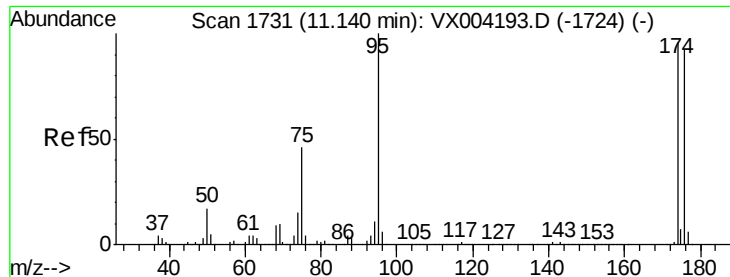
Tot Ion:113 Resp: 184785  
 Ion Ratio Lower Upper  
 113 100  
 111 101.4 82.4 123.6  
 192 24.1 19.4 29.2



#50  
 Toluene-d8  
 Concen: 49.89 ug/l  
 RT: 8.71 min Scan# 1333  
 Delta R.T. -0.00 min  
 Lab File: VX004372.D  
 Acq: 05 Sep 2018 15:58

Tgt Ion: 98 Resp: 707700  
 Ion Ratio Lower Upper  
 98 100  
 100 66.6 52.9 79.3

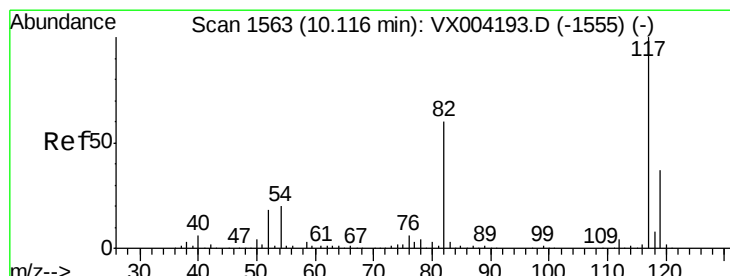
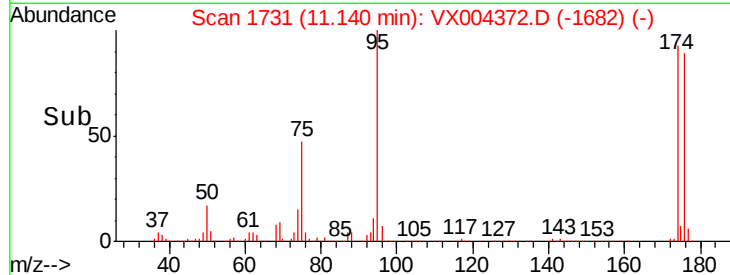
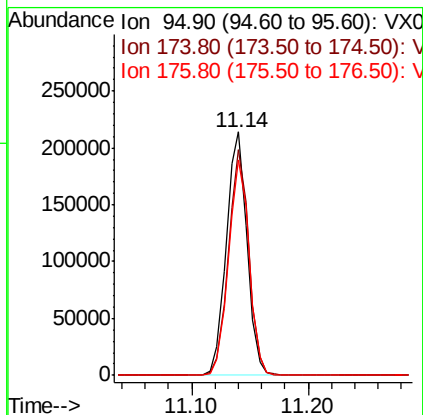
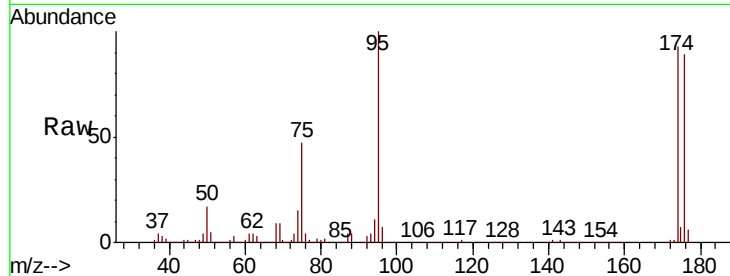




#62  
4-Bromofluorobenzene  
Concen: 49.81 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX004372.D  
Acq: 05 Sep 2018 15:58

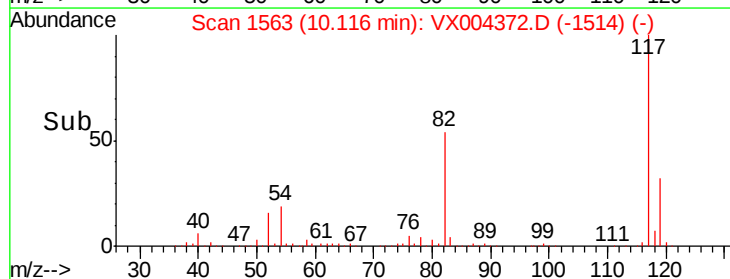
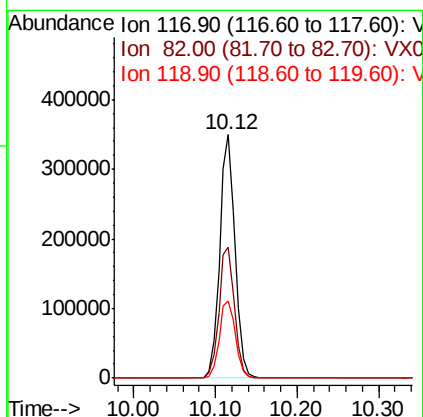
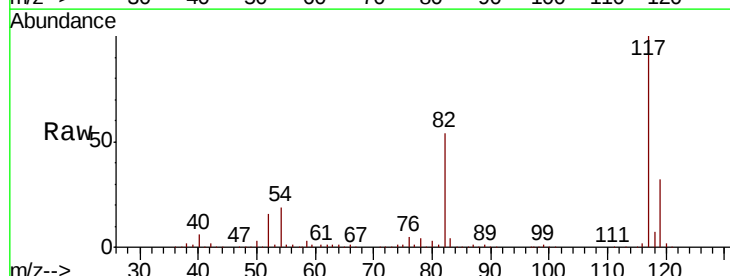
Instrument :  
MSVOA\_X  
ClientSampleId :  
OUTFALL001-180904

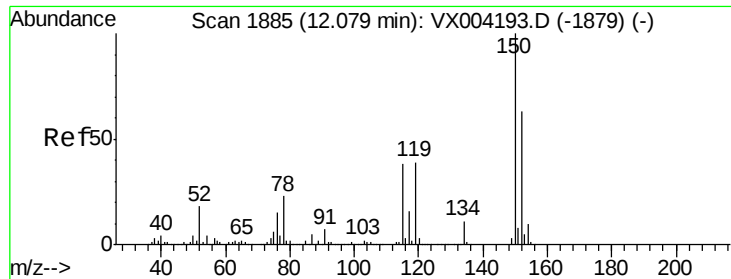
Tot Ion: 95 Resp: 263651  
Ion Ratio Lower Upper  
95 100  
174 92.2 0.0 185.2  
176 88.6 0.0 178.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004372.D  
Acq: 05 Sep 2018 15:58

Tgt Ion: 117 Resp: 457448  
Ion Ratio Lower Upper  
117 100  
82 53.6 47.8 71.6  
119 31.6 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004372.D

Acq: 05 Sep 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-180904

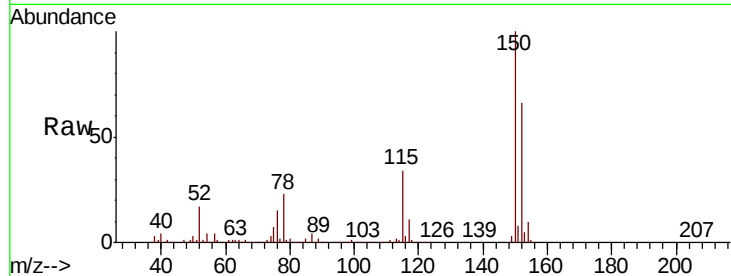
Tot Ion:152 Resp: 284306

Ion Ratio Lower Upper

152 100

115 52.8 39.0 117.0

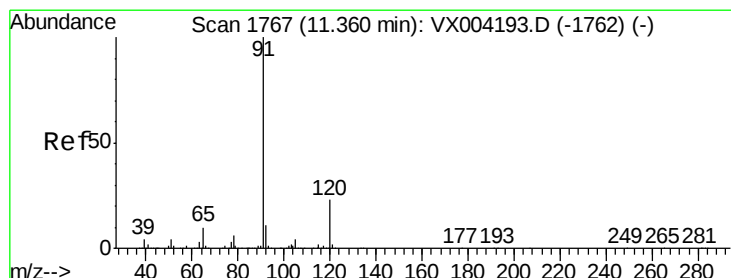
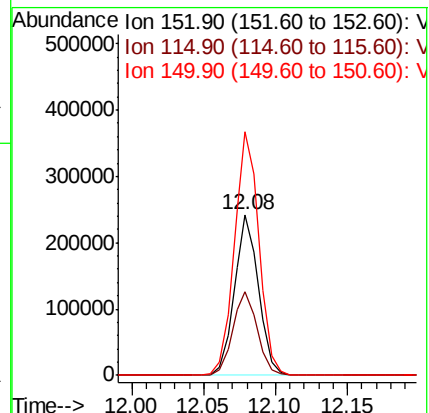
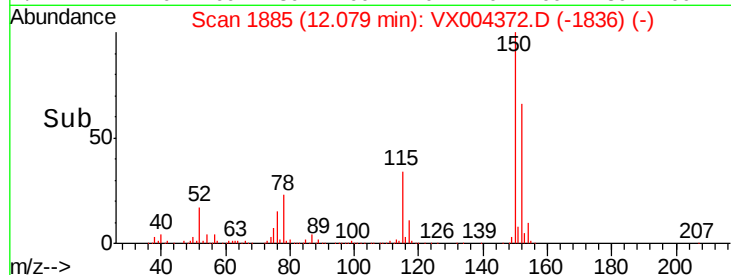
150 154.8 0.0 351.0



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



#78

n-propylbenzene

Concen: 0.39 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004372.D

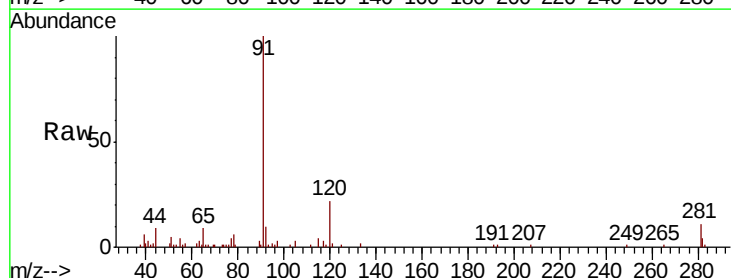
Acq: 05 Sep 2018 15:58

Tgt Ion: 91 Resp: 8408

Ion Ratio Lower Upper

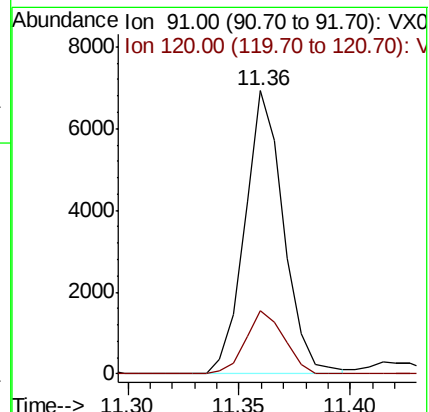
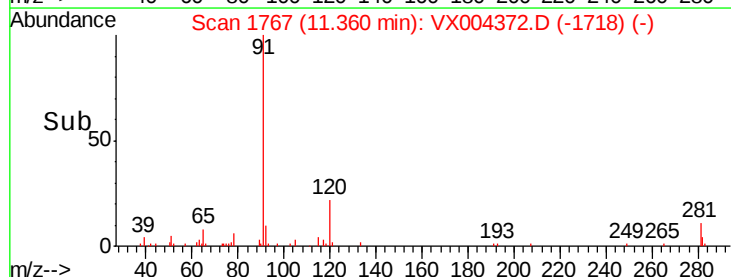
91 100

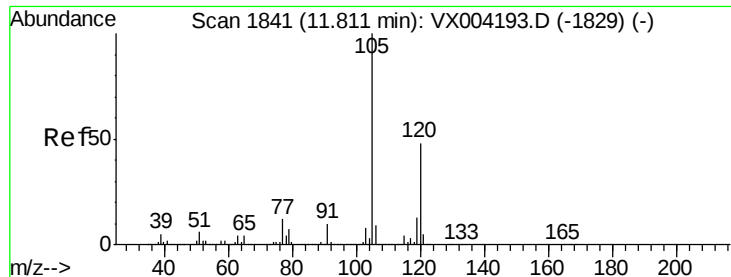
120 21.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.90 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004372.D

Acq: 05 Sep 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

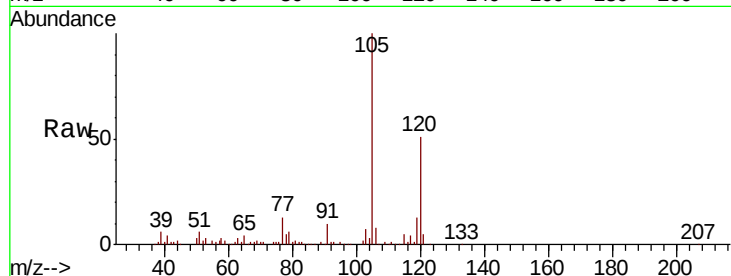
OUTFALL001-180904

Tot Ion:105 Resp: 30132

Ion Ratio Lower Upper

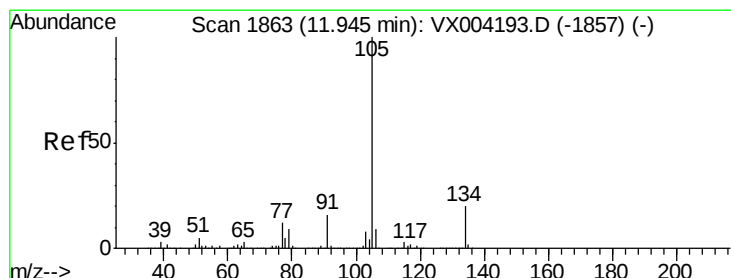
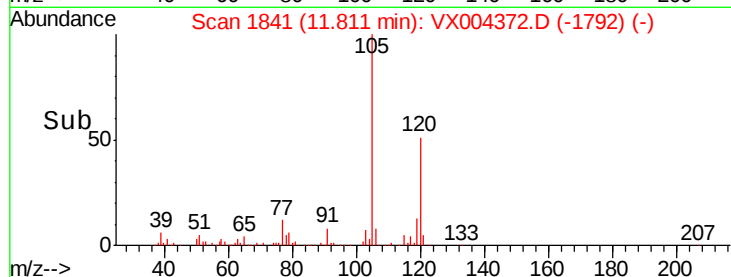
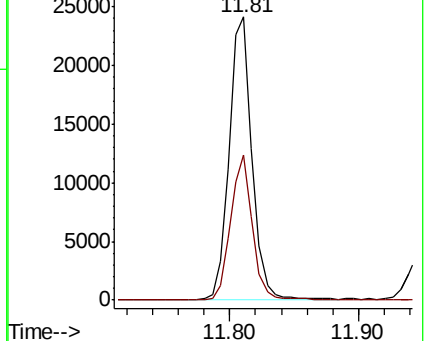
105 100

120 48.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.27 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004372.D

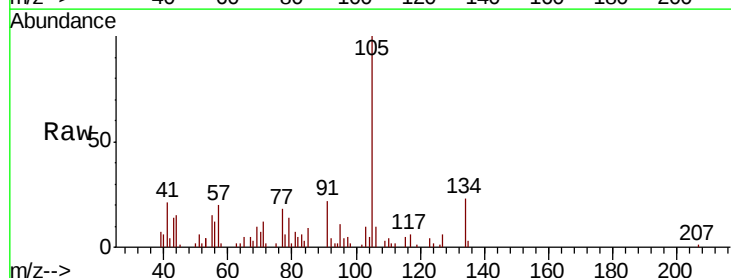
Acq: 05 Sep 2018 15:58

Tgt Ion:105 Resp: 5002

Ion Ratio Lower Upper

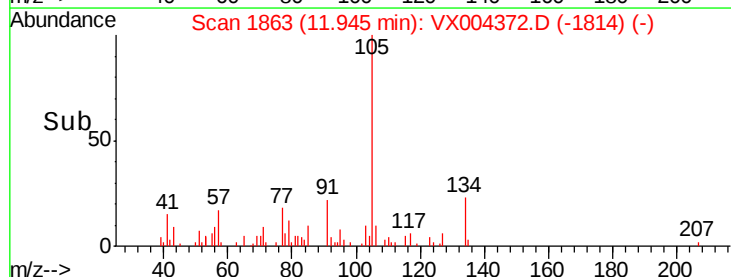
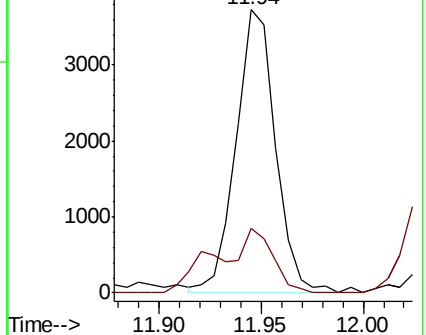
105 100

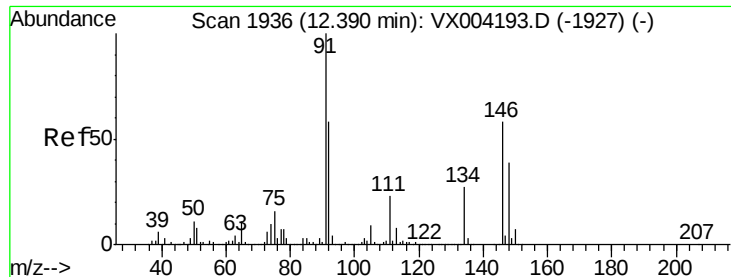
134 18.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.62 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004372.D

Acq: 05 Sep 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-180904

Tot Ion: 91 Resp: 8298

Ion Ratio Lower Upper

91 100

92 52.3 27.3 81.9

134 0.0 13.6 40.7#

