

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX060818\  
 Data File : VX002407.D  
 Acq On : 08 Jun 2018 17:37  
 Operator : JC/MD  
 Sample : J3409-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW126-180607

Quant Time: Jun 09 03:18:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

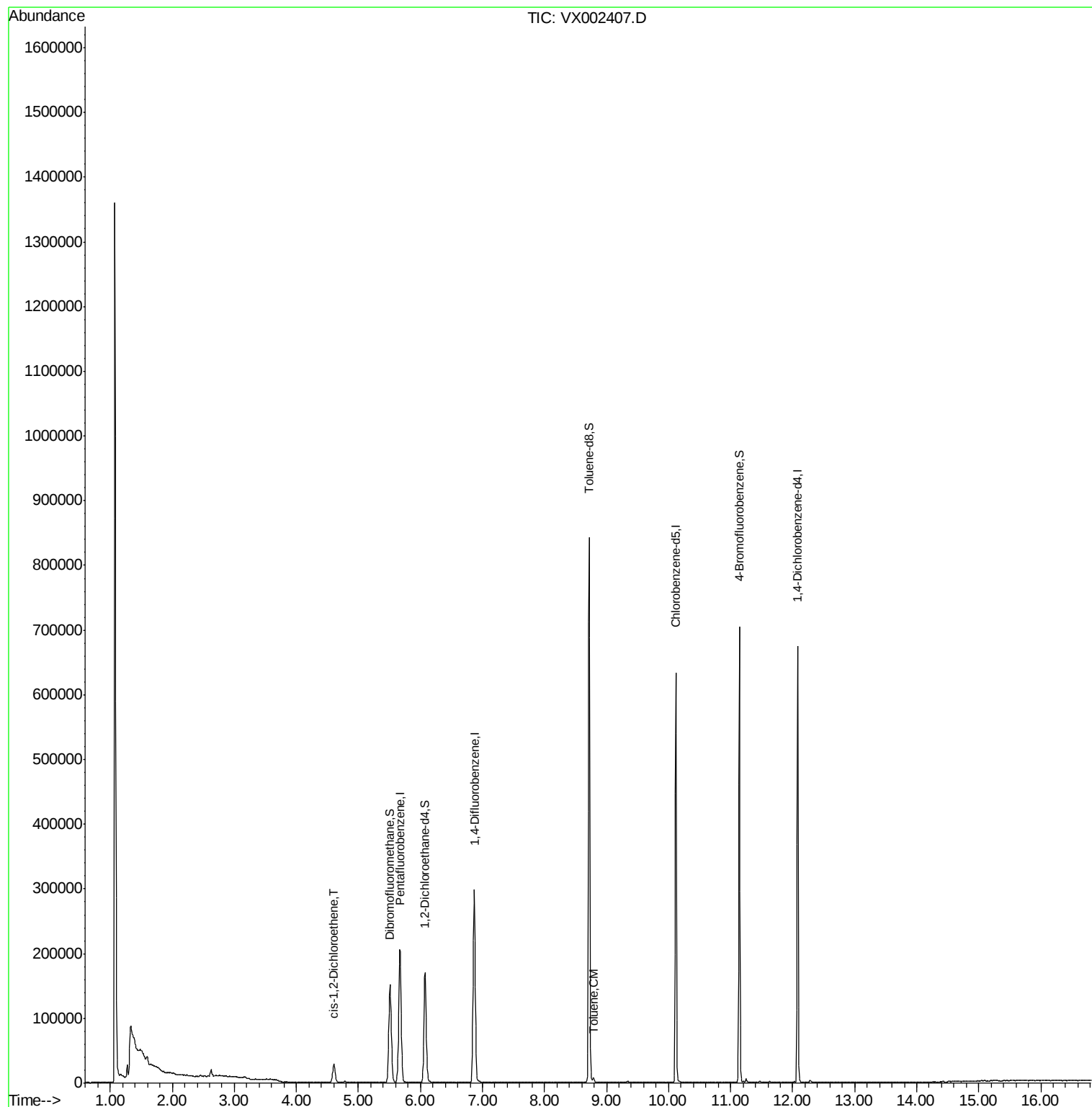
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 200724   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 294083   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 268286   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 140605   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 162080   | 56.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.90% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 121732   | 52.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.28% |          |
| 50) Toluene-d8              | 8.72  | 98   | 477084   | 53.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.64% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 159328   | 46.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.22%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 17027    | 6.64  | ug/l    | 91       |
| 52) Toluene                 | 8.79  | 92   | 1844     | 0.31  | ug/l    | 91       |

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

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Quant Time: Jun 09 03:18:45 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA\_X

ClientSampleId :

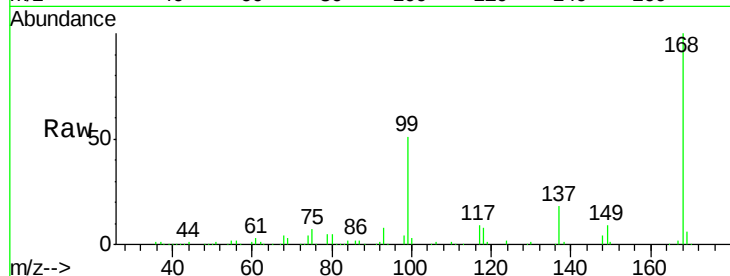
SS052MW126-180607

Tgt Ion: 168 Resp: 200724

Ion Ratio Lower Upper

168 100

99 51.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

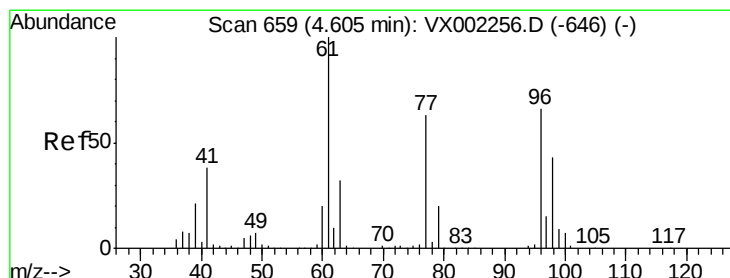
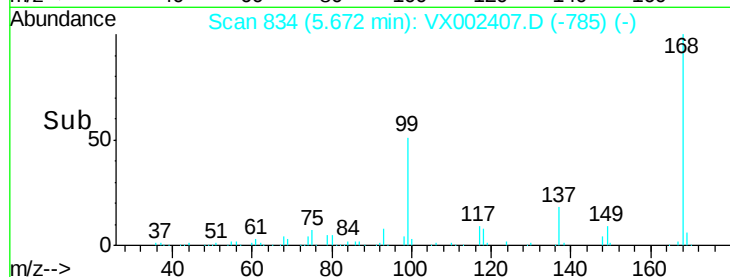
40000

20000

0

Time-->

5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 6.64 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

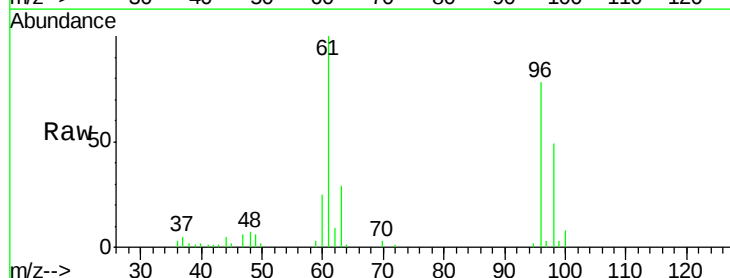
Tgt Ion: 96 Resp: 17027

Ion Ratio Lower Upper

96 100

61 148.6 0.0 330.2

98 66.2 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

12000

10000

8000

6000

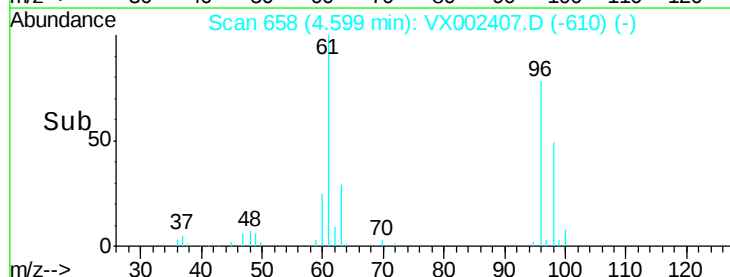
4000

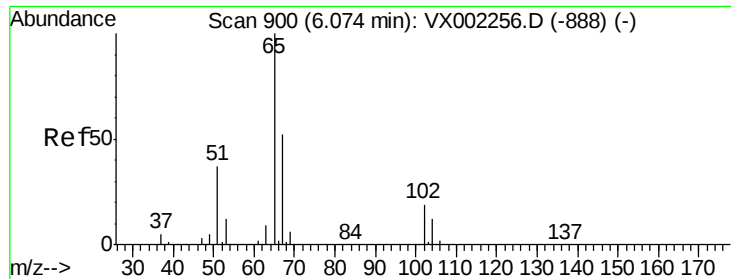
2000

0

Time-->

4.50 4.60 4.70





#33

1,2-Dichloroethane-d4

Concen: 56.95 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA\_X

ClientSampleId :

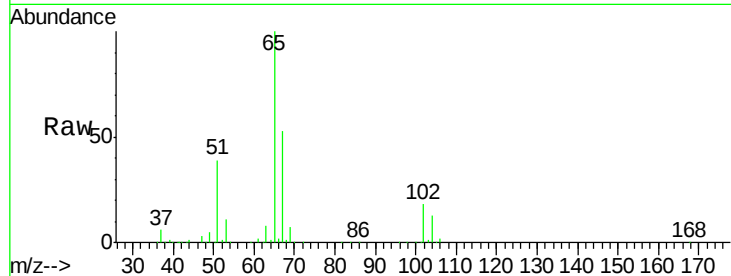
SS052MW126-180607

Tgt Ion: 65 Resp: 162080

Ion Ratio Lower Upper

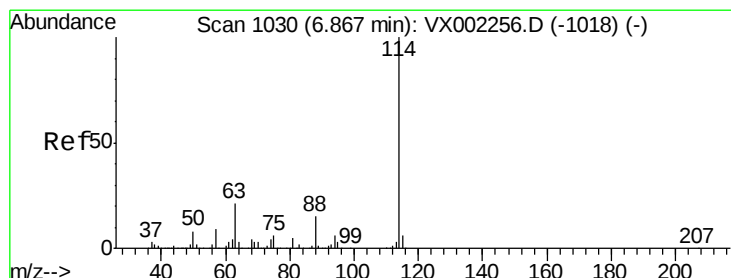
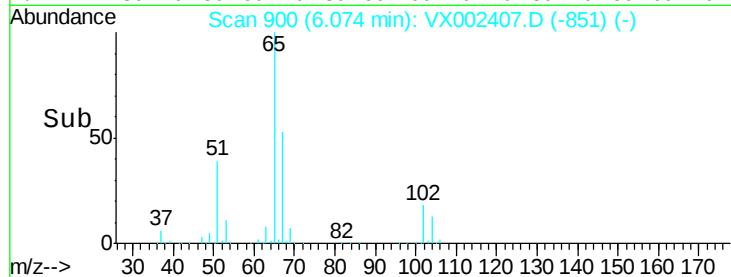
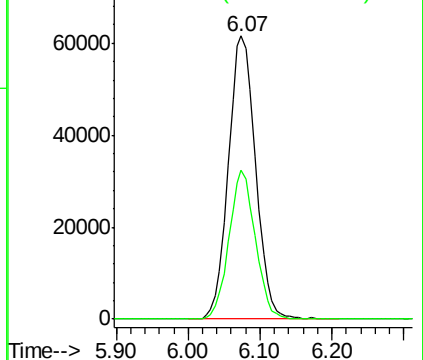
65 100

67 51.0 0.0 102.6



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: VX002407.D

Acq: 08 Jun 2018 17:37

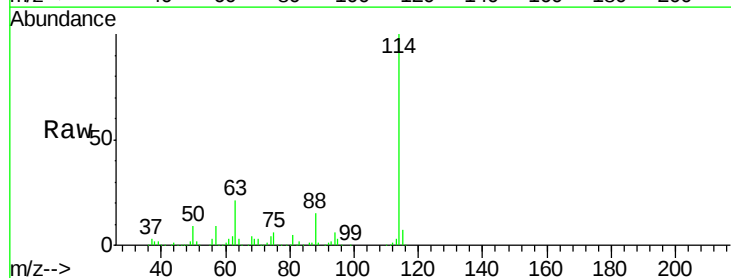
Tgt Ion: 114 Resp: 294083

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

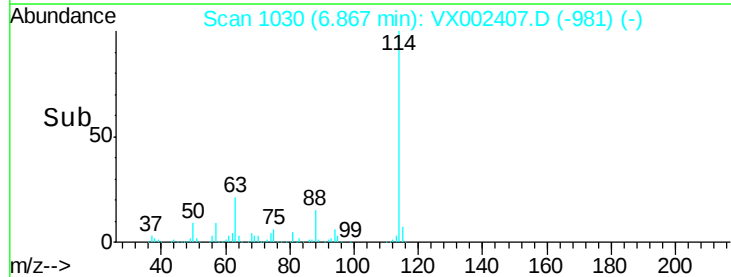
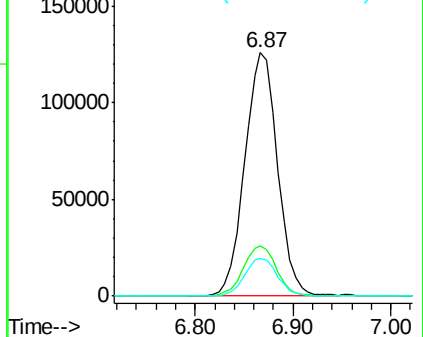
88 15.2 0.0 30.0

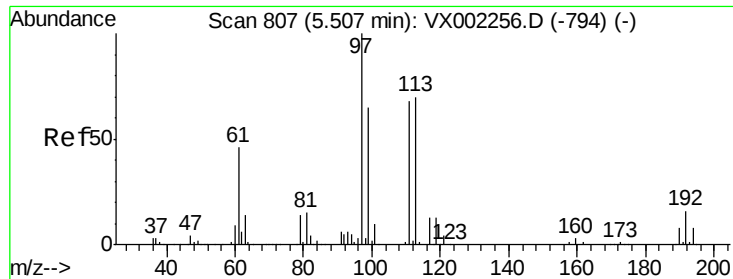


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

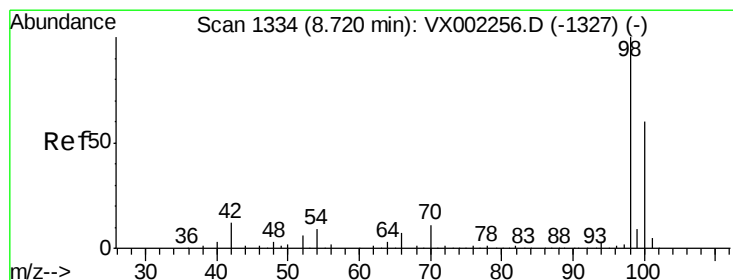
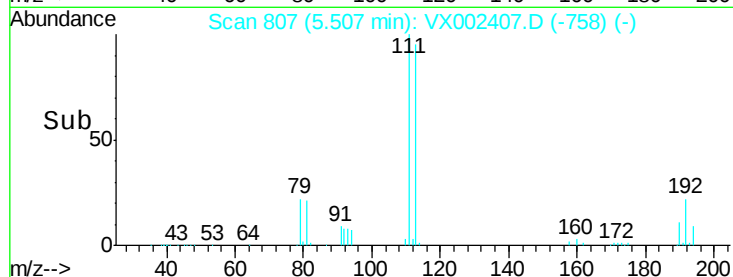
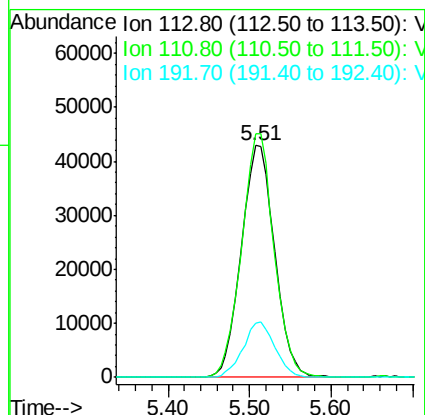
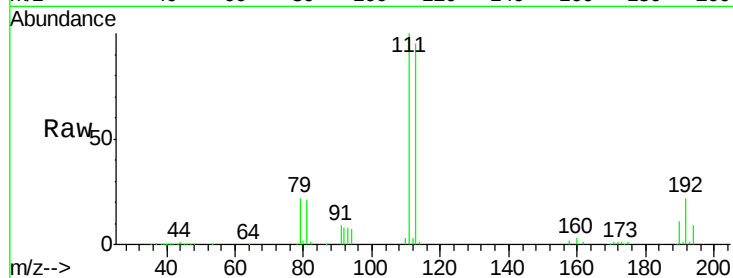




#35  
 Dibromofluoromethane  
 Concen: 52.64 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX002407.D  
 Acq: 08 Jun 2018 17:37

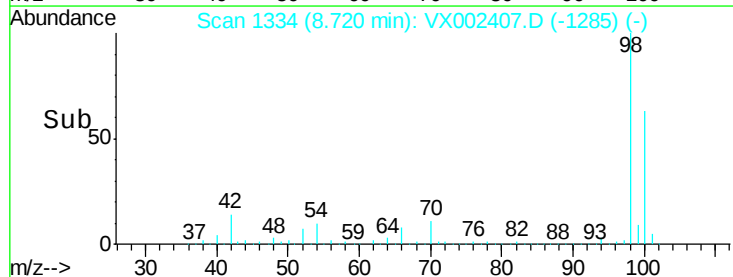
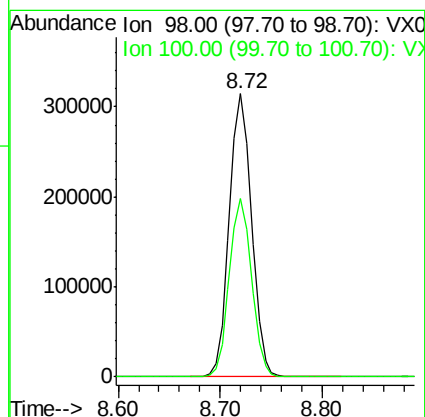
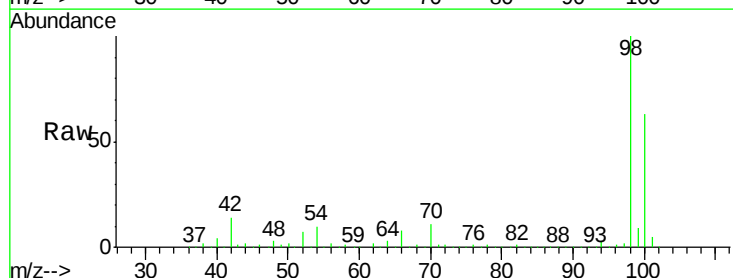
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW126-180607

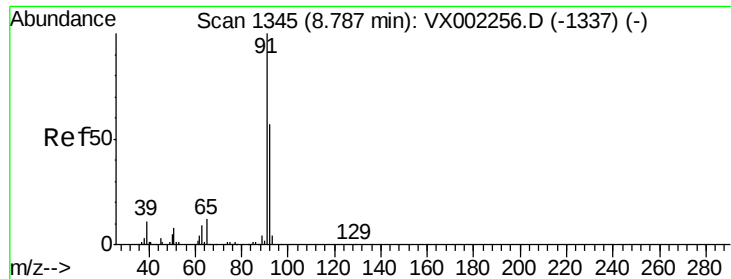
Tgt Ion:113 Resp: 121732  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.4 122.0  
 192 23.0 19.1 28.7



#50  
 Toluene-d8  
 Concen: 53.82 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX002407.D  
 Acq: 08 Jun 2018 17:37

Tgt Ion: 98 Resp: 477084  
 Ion Ratio Lower Upper  
 98 100  
 100 63.1 50.9 76.3





#52

Toluene

Concen: 0.31 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA\_X

ClientSampleId :

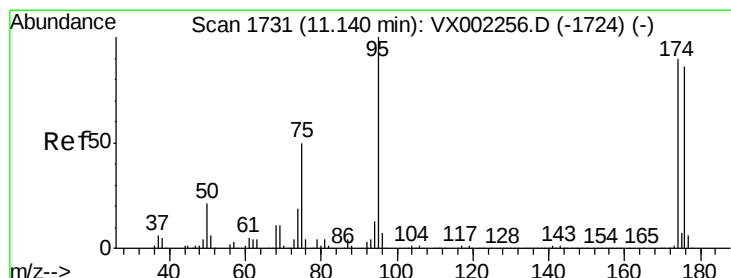
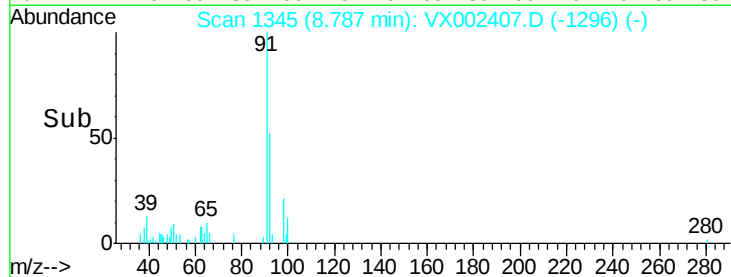
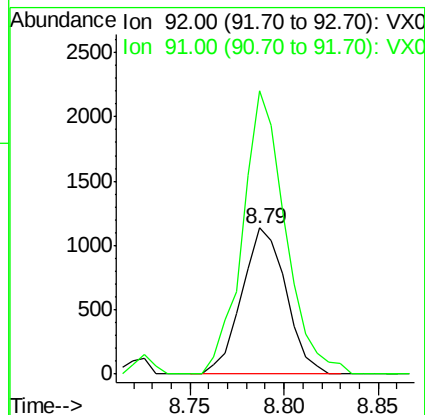
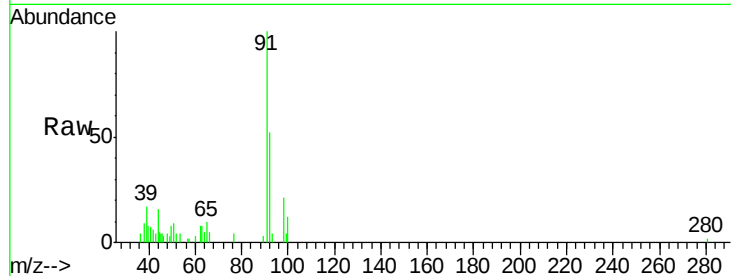
SS052MW126-180607

Tgt Ion: 92 Resp: 1844

Ion Ratio Lower Upper

92 100

91 188.2 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 46.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

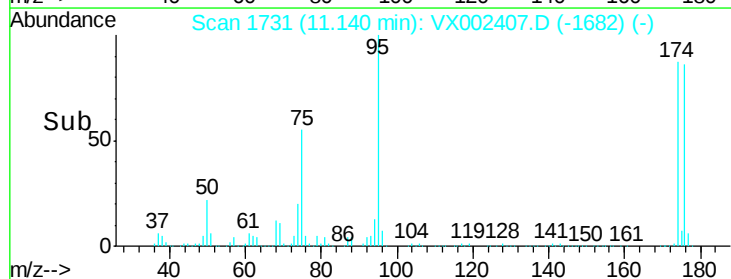
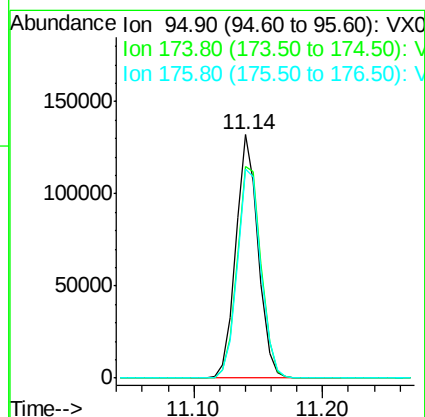
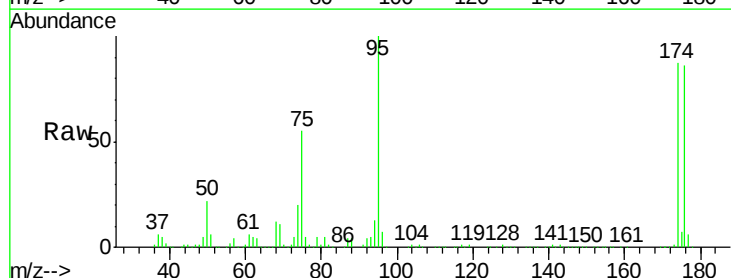
Tgt Ion: 95 Resp: 159328

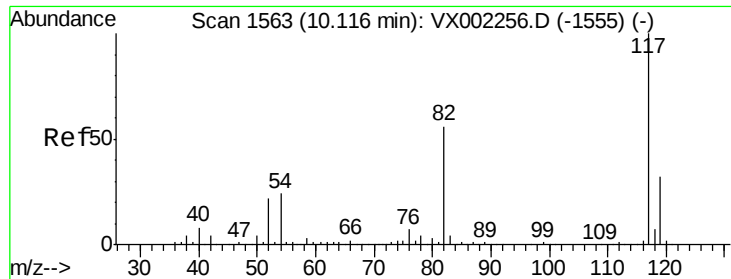
Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.4

176 91.1 0.0 181.0

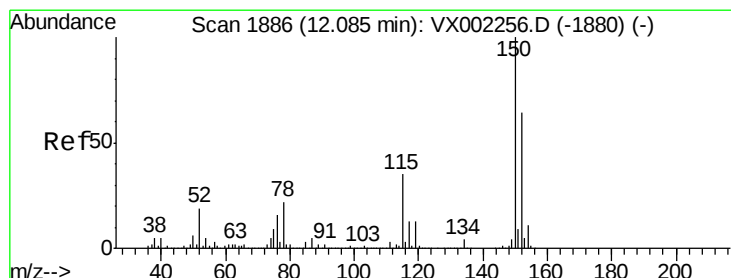
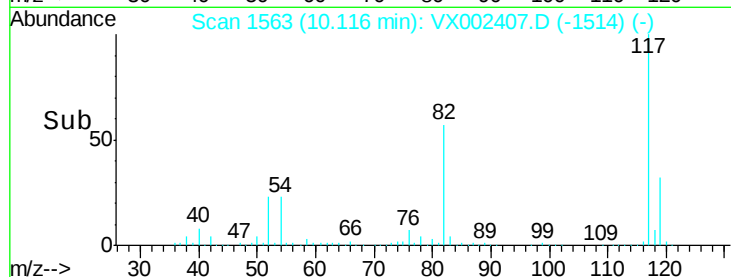
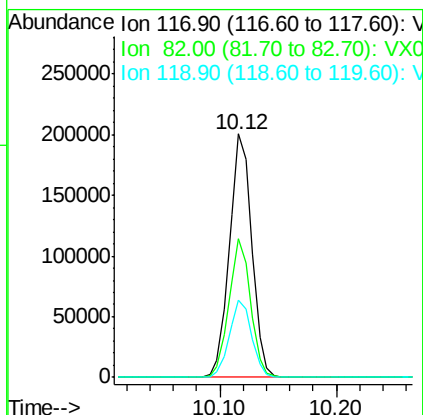
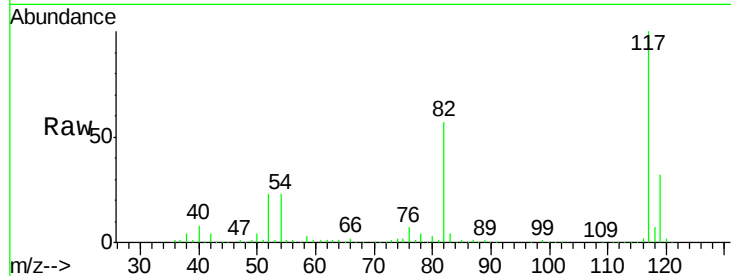




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002407.D  
Acq: 08 Jun 2018 17:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW126-180607

Tgt Ion:117 Resp: 268286  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.0 67.4  
119 31.9 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX002407.D  
Acq: 08 Jun 2018 17:37

Tgt Ion:152 Resp: 140605  
Ion Ratio Lower Upper  
152 100  
115 55.1 40.1 120.2  
150 155.1 0.0 347.2

