

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\  
 Data File : VX004199.D  
 Acq On : 22 Aug 2018 15:23  
 Operator : JC/MD  
 Sample : VX0822WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBL01

Quant Time: Aug 23 06:48:06 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  | 293856   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 459308   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 419565   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 222680   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 207170   | 54.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 108.18% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 178528   | 52.25 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 104.50% |          |
| 50) Toluene-d8              | 8.71  | 98   | 638796   | 49.53 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 99.06%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 211531   | 43.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 87.90%  |          |

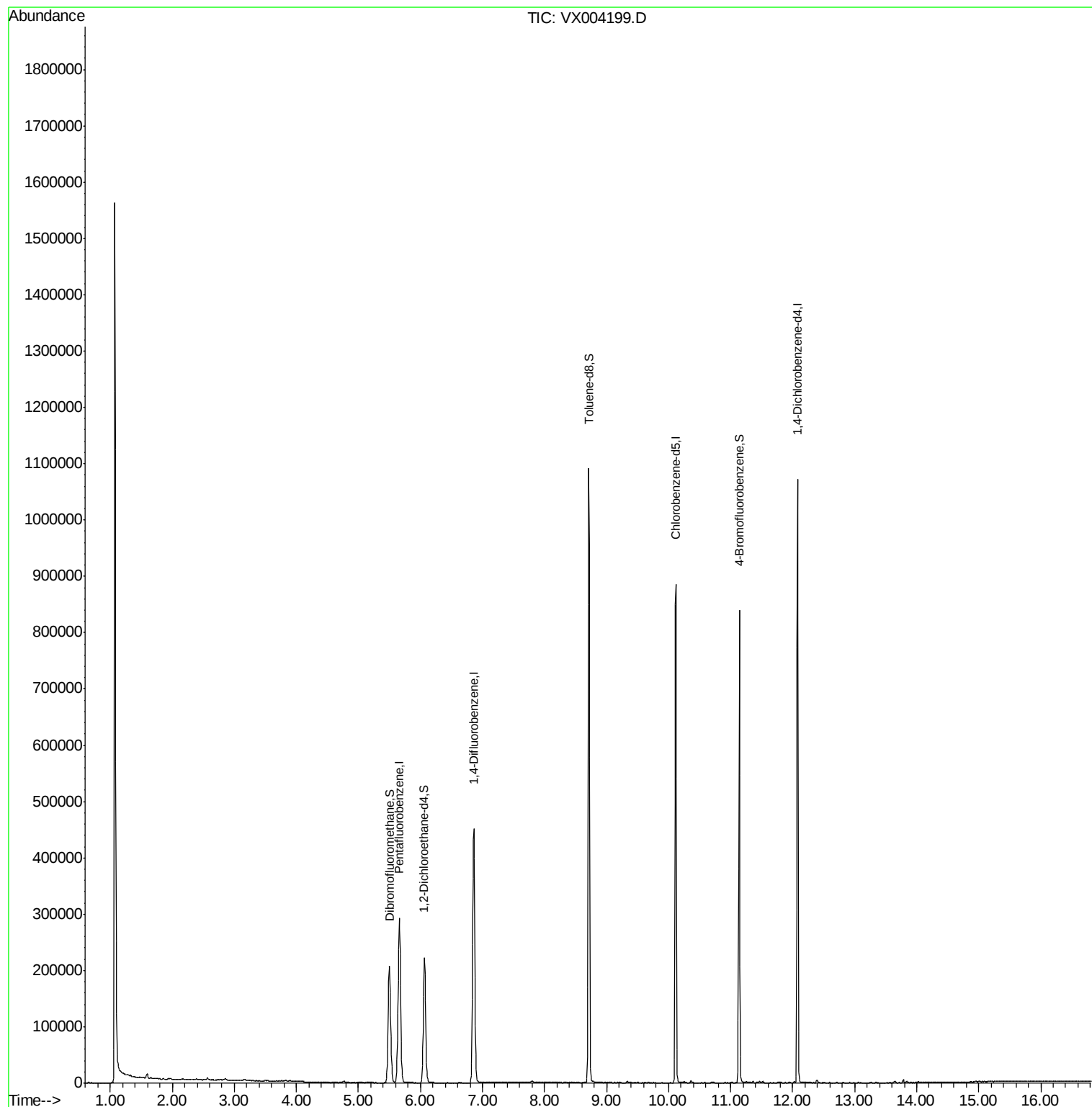
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

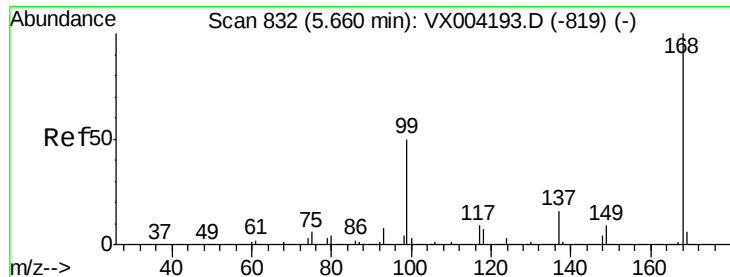
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
VX0822WBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
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: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA\_X

ClientSampleId :

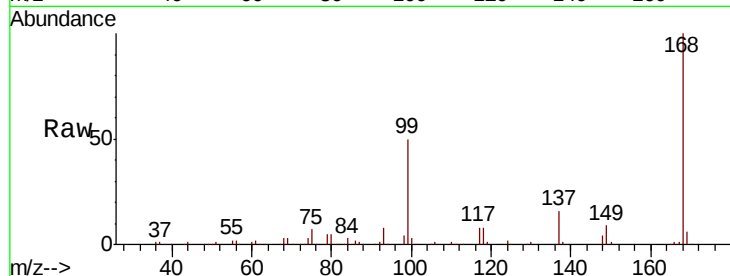
VX0822WBL01

Tot Ion:168 Resp: 293856

Ion Ratio Lower Upper

168 100

99 49.9 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

120000

100000

80000

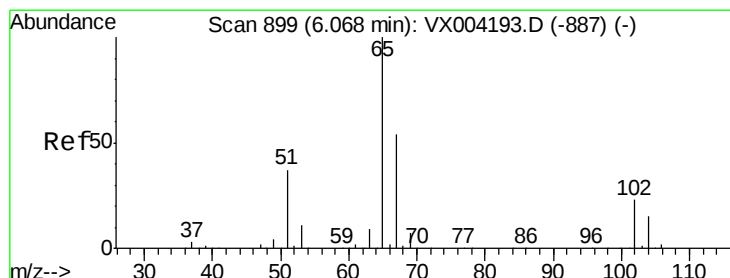
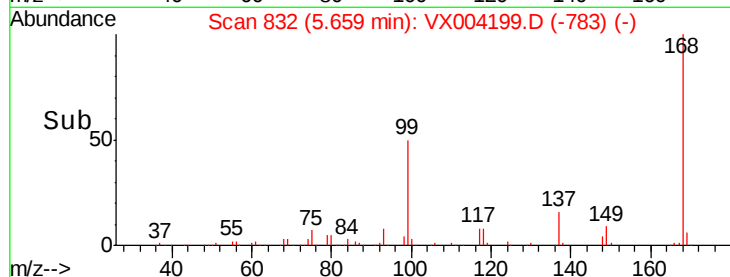
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 54.09 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX004199.D

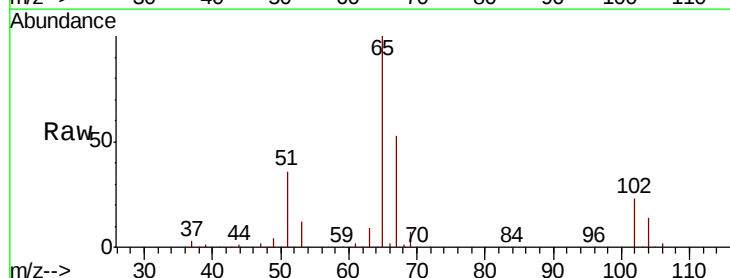
Acq: 22 Aug 2018 15:23

Tgt Ion: 65 Resp: 207170

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

80000

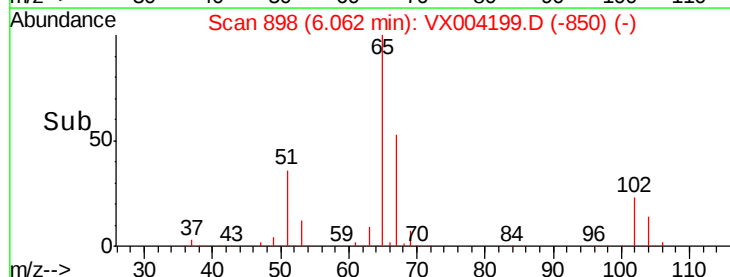
60000

40000

20000

0

Time--> 6.00 6.10 6.20

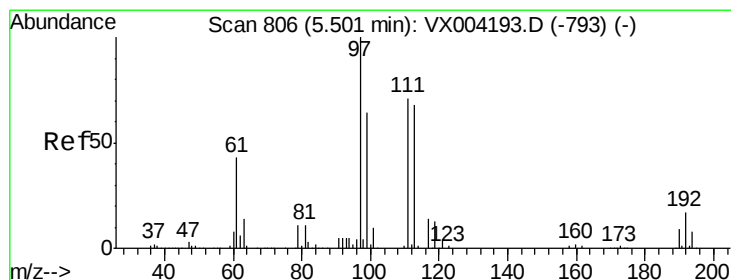
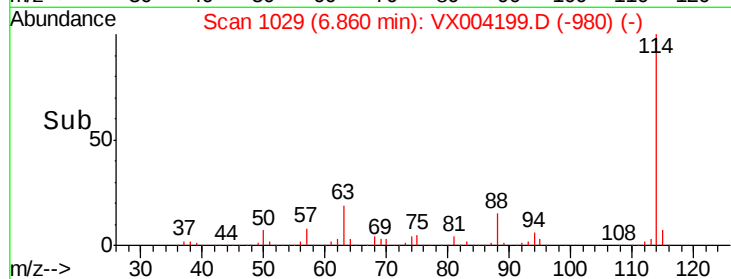
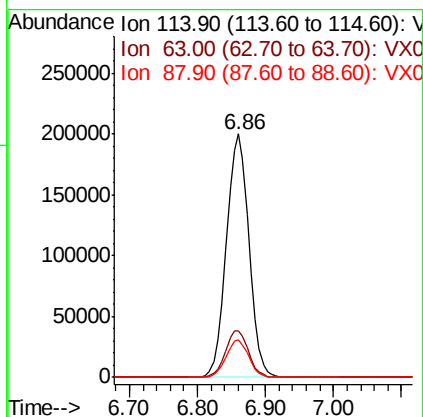
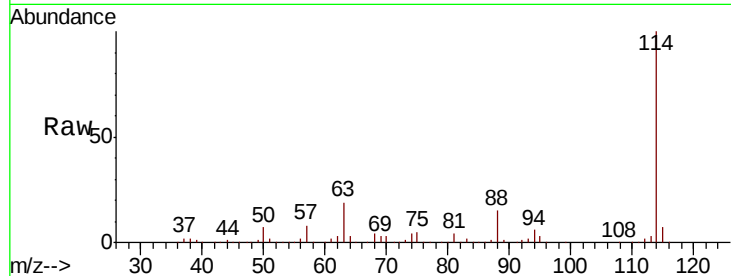




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004199.D  
 Acq: 22 Aug 2018 15:23

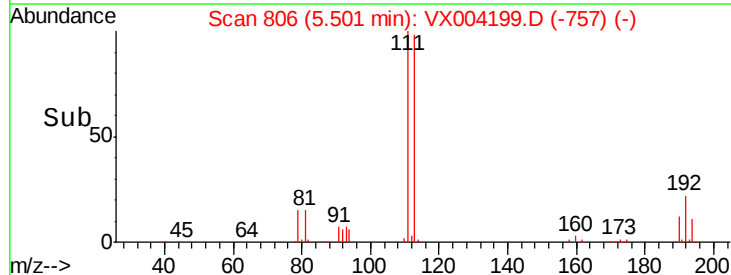
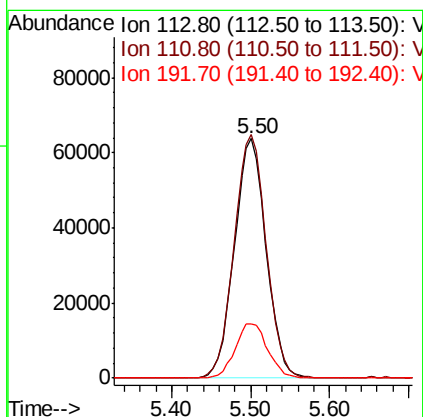
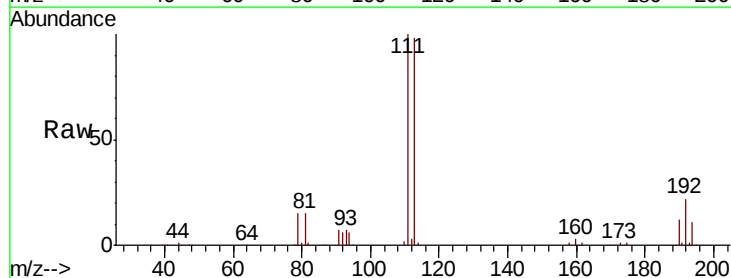
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBL01

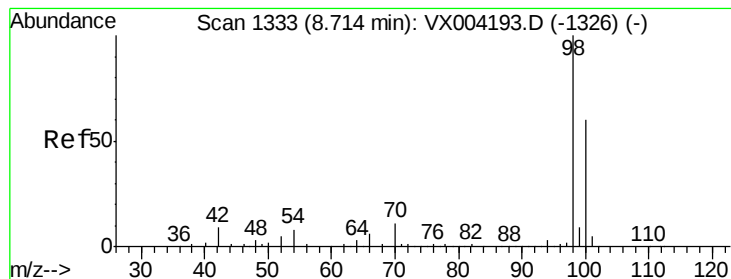
Tot Ion:114 Resp: 459308  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 39.0  
 88 15.2 0.0 30.4



#35  
 Dibromofluoromethane  
 Concen: 52.25 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004199.D  
 Acq: 22 Aug 2018 15:23

Tgt Ion:113 Resp: 178528  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.4 123.6  
 192 23.3 19.4 29.2





#50

Toluene-d8

Concen: 49.53 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA\_X

ClientSampleId :

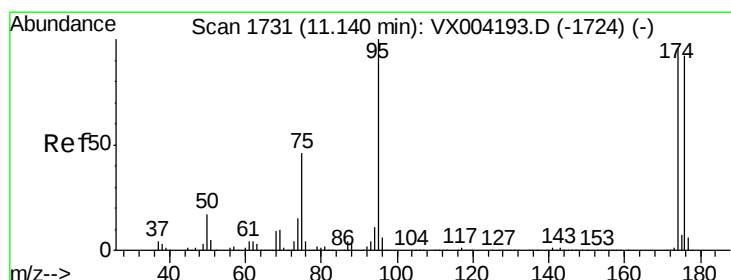
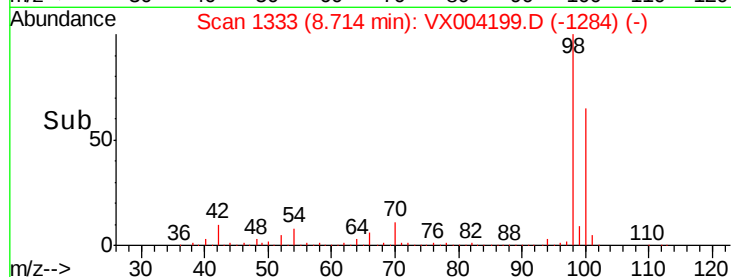
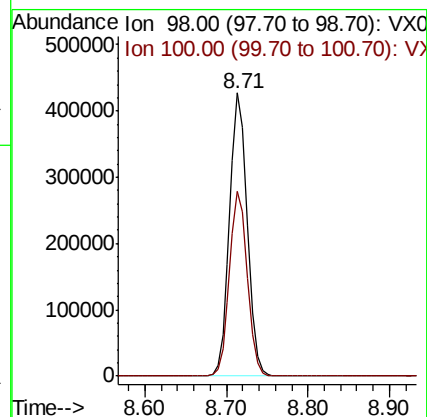
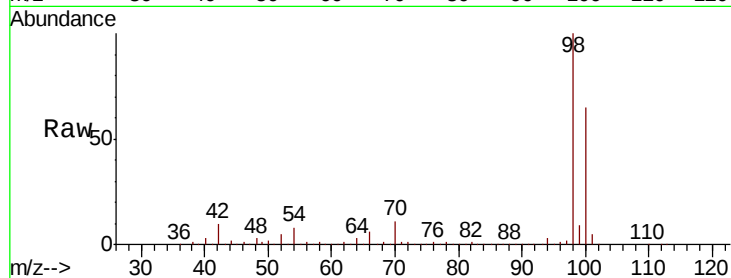
VX0822WBL01

Tot Ion: 98 Resp: 638796

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 43.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

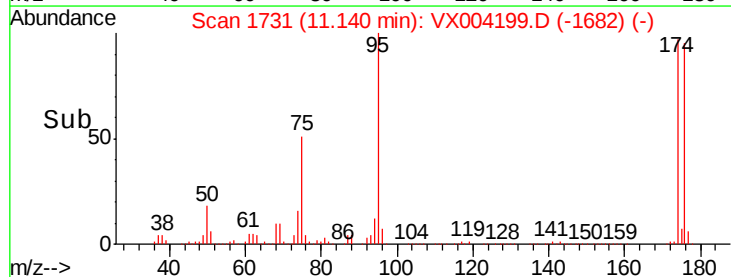
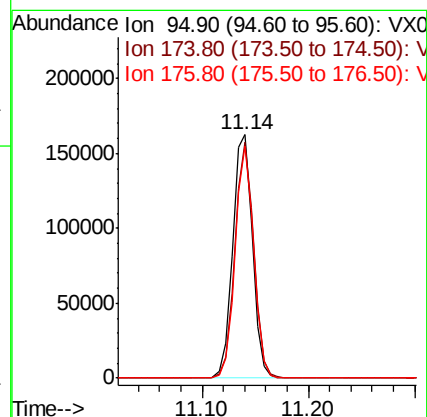
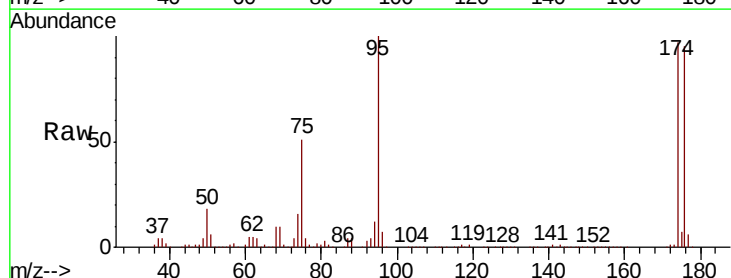
Tgt Ion: 95 Resp: 211531

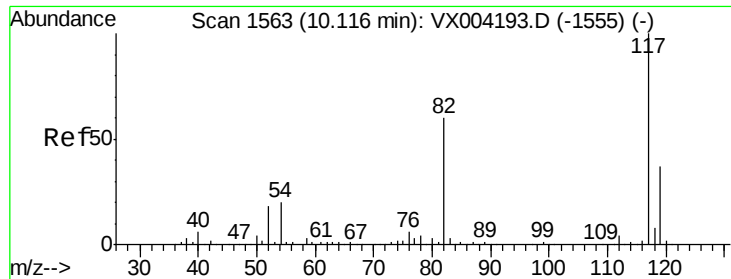
Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.2

176 89.7 0.0 178.6

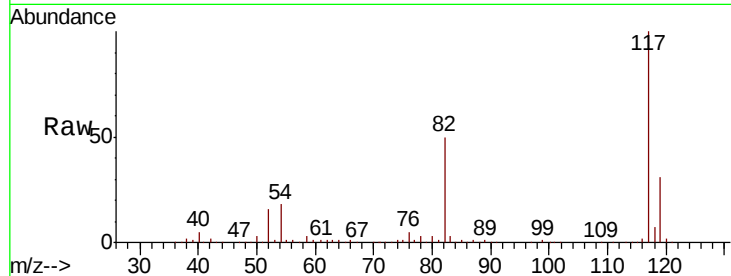




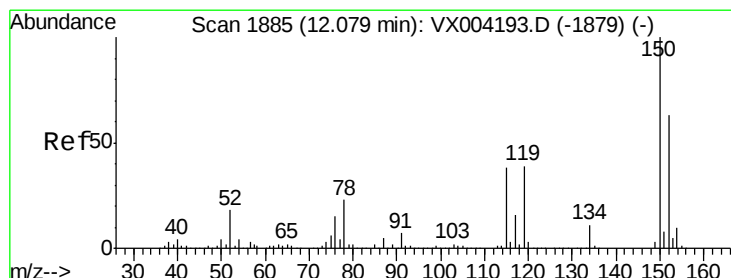
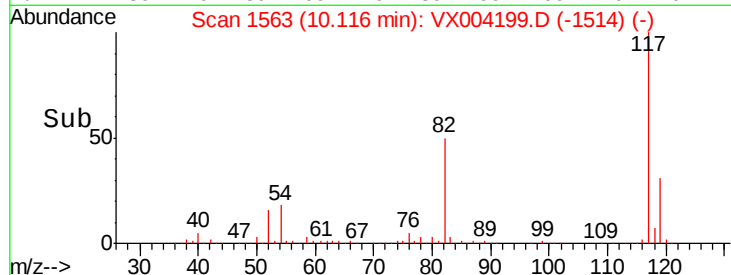
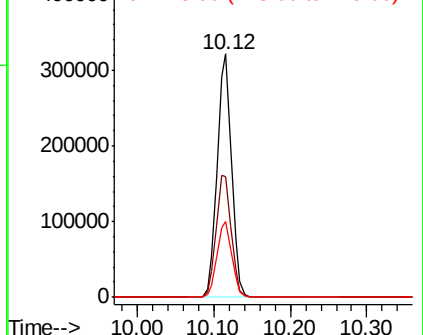
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004199.D  
Acq: 22 Aug 2018 15:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBL01

Tot Ion:117 Resp: 419565  
Ion Ratio Lower Upper  
117 100  
82 49.6 47.8 71.6  
119 31.2 29.3 43.9

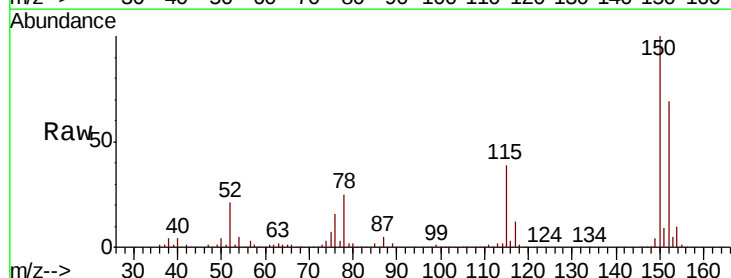


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX004199.D  
Acq: 22 Aug 2018 15:23

Tgt Ion:152 Resp: 222680  
Ion Ratio Lower Upper  
152 100  
115 55.5 39.0 117.0  
150 154.5 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

