

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\  
 Data File : VX002980.D  
 Acq On : 28 Jun 2018 13:01  
 Operator : JC/MD  
 Sample : VX0628WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0628WBL01

Quant Time: Jun 29 06:42:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 244189   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 346150   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 314419   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 177544   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 163325   | 48.39 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.78% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 132975   | 48.51 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.02% |      |
| 50) Toluene-d8              | 8.72   | 98  | 481775   | 48.13 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.26% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 167484   | 43.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.76% |      |

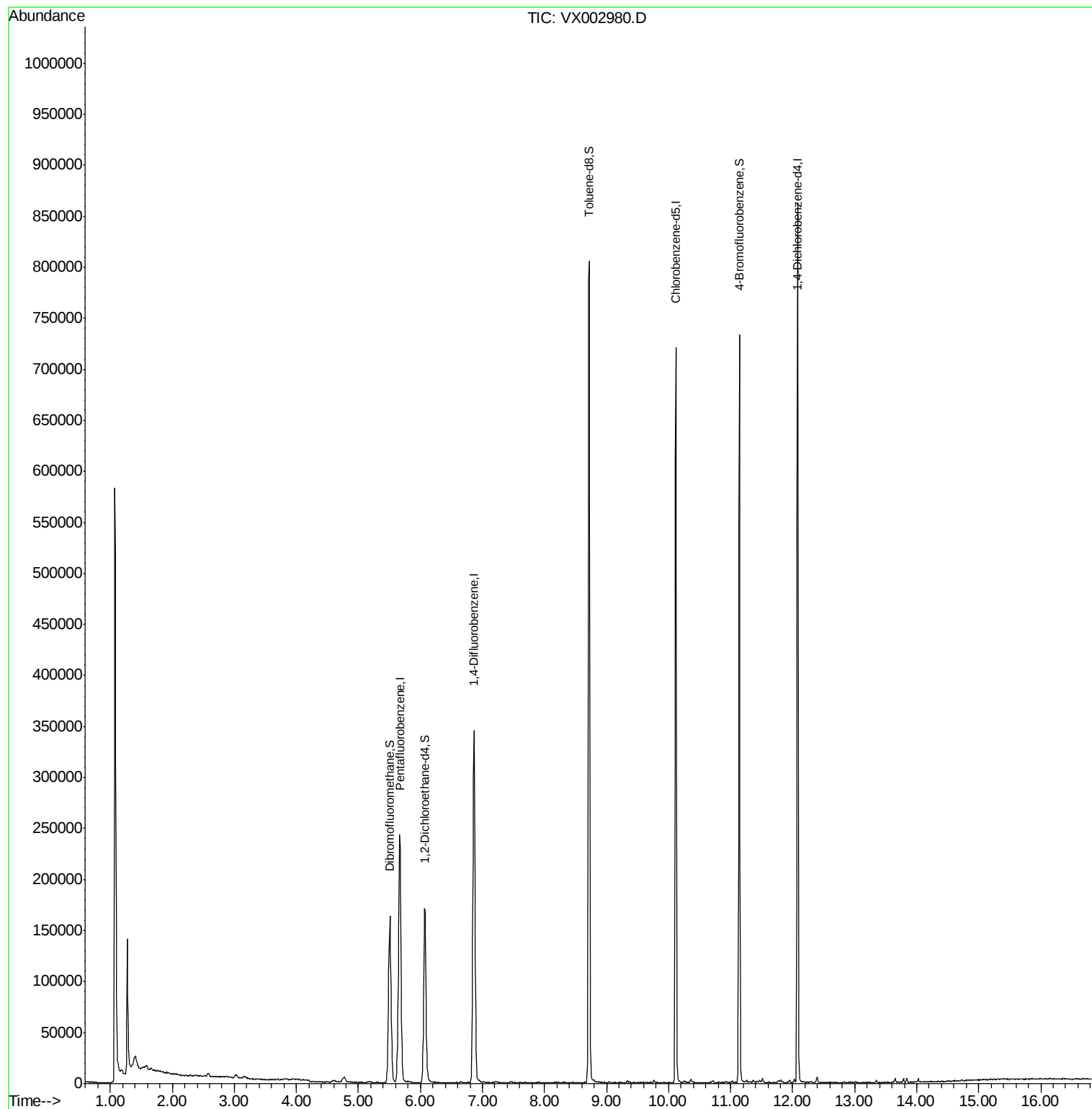
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0628WBL01

Quant Time: Jun 29 06:42:28 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002980.D

Acq: 28 Jun 2018 13:01

Instrument :

MSVOA\_X

ClientSampleId :

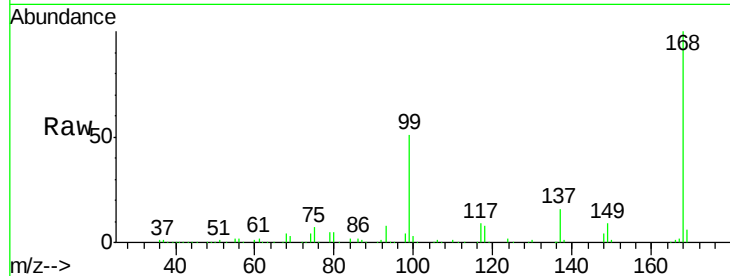
VX0628WBL01

Tot Ion:168 Resp: 244189

Ion Ratio Lower Upper

168 100

99 50.9 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

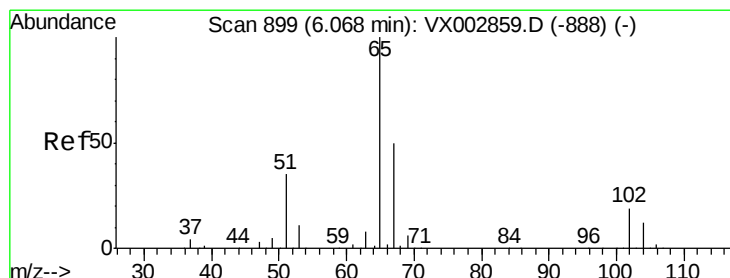
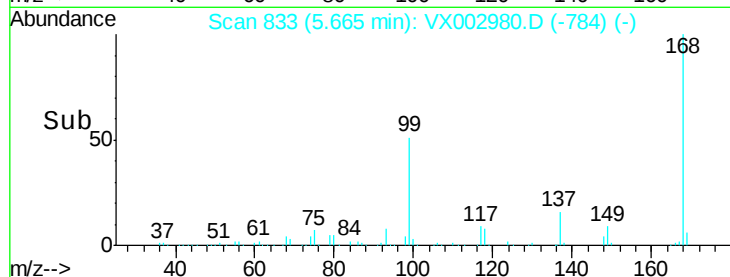
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.39 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX002980.D

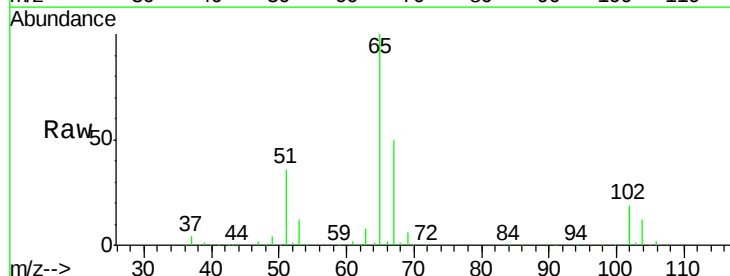
Acq: 28 Jun 2018 13:01

Tgt Ion: 65 Resp: 163325

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

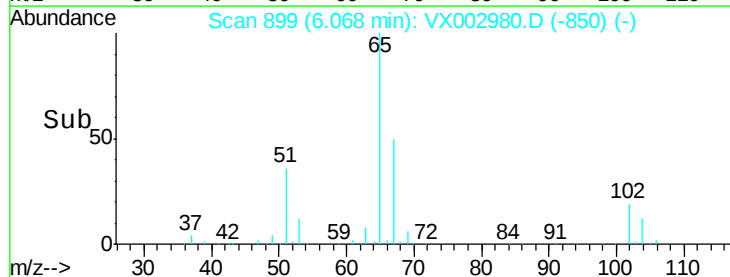
60000

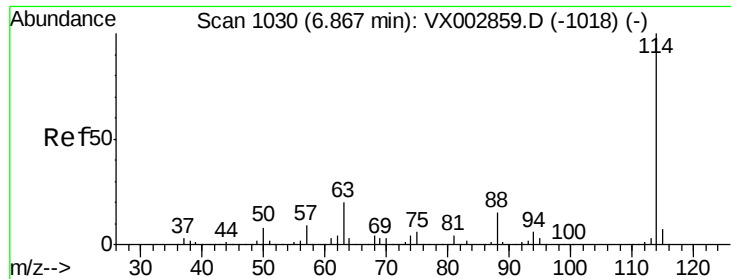
40000

20000

0

Time--> 5.90 6.00 6.10 6.20

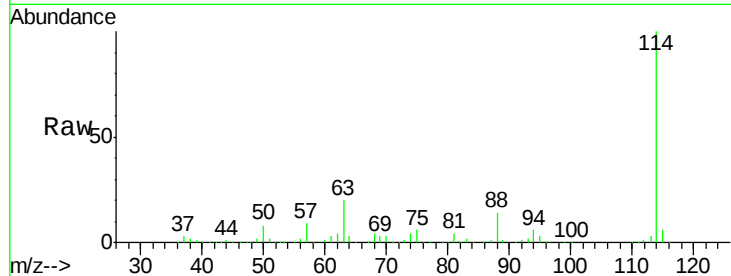




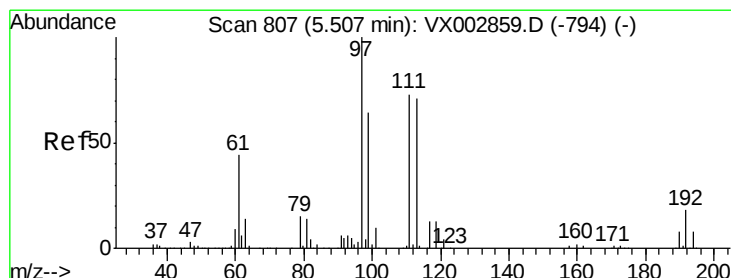
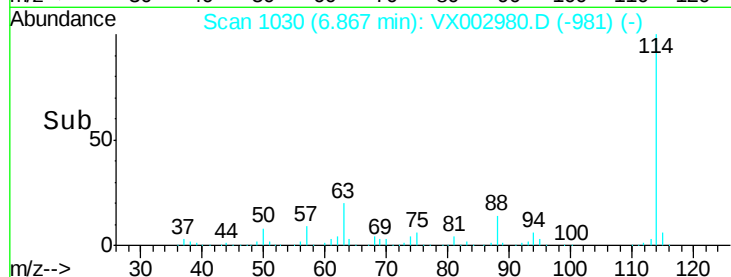
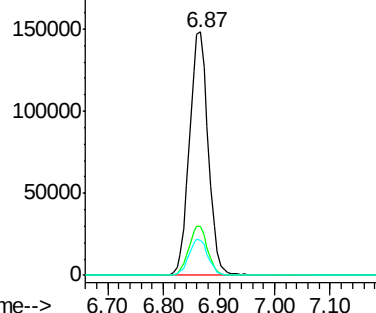
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002980.D  
 Acq: 28 Jun 2018 13:01

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0628WBL01

Tot Ion:114 Resp: 346150  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 41.4  
 88 14.3 0.0 30.0

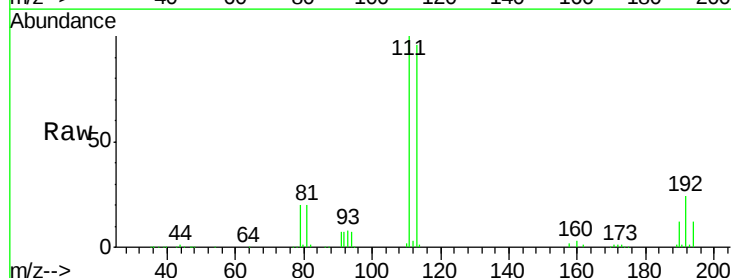


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX  
 Ion 87.90 (87.60 to 88.60): VX

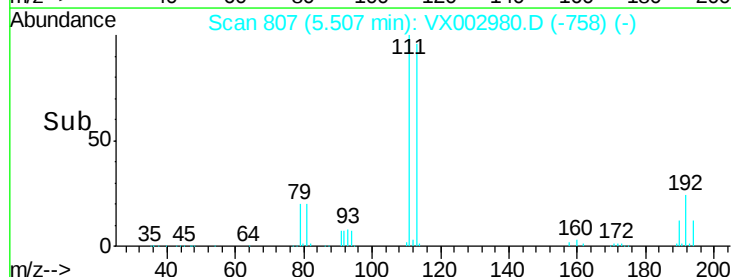
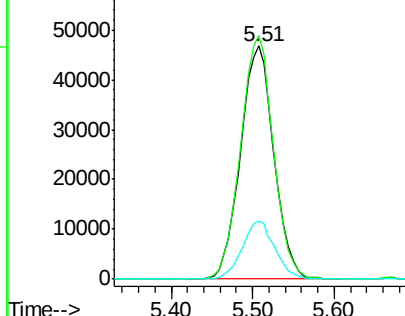


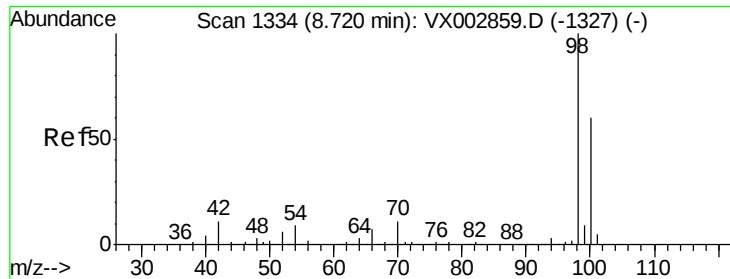
#35  
 Dibromofluoromethane  
 Concen: 48.51 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: VX002980.D  
 Acq: 28 Jun 2018 13:01

Tgt Ion:113 Resp: 132975  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 81.4 122.0  
 192 24.2 19.1 28.7



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: 48.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002980.D

Acq: 28 Jun 2018 13:01

Instrument :

MSVOA\_X

ClientSampleId :

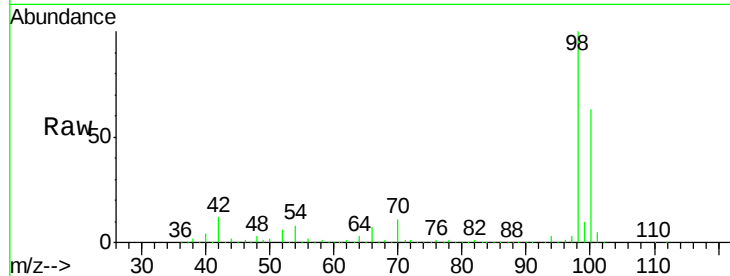
VX0628WBL01

Tot Ion: 98 Resp: 481775

Ion Ratio Lower Upper

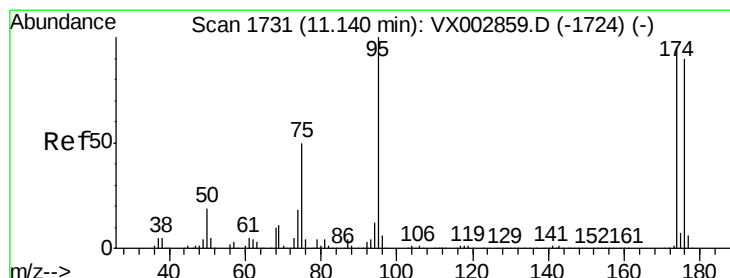
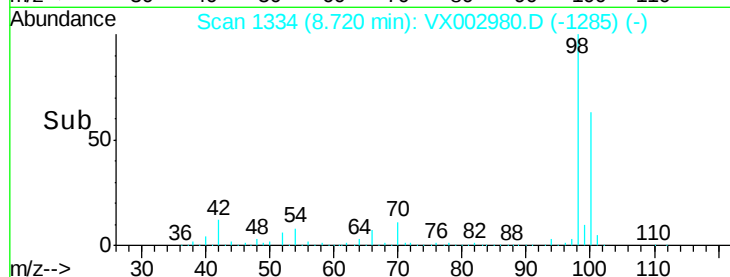
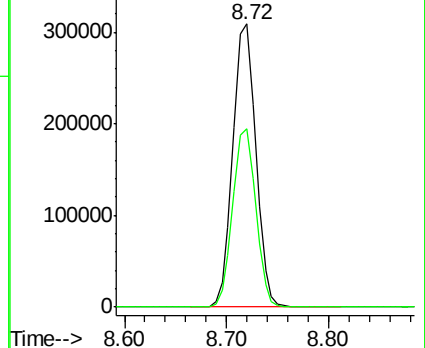
98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002980.D

Acq: 28 Jun 2018 13:01

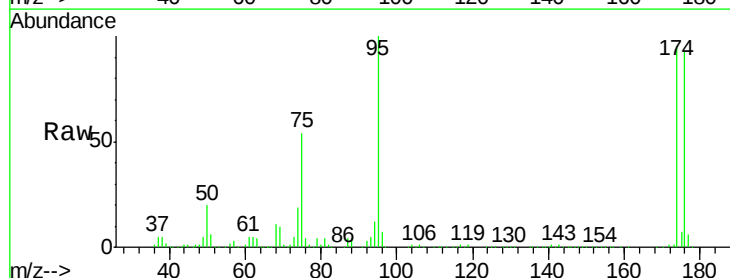
Tgt Ion: 95 Resp: 167484

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

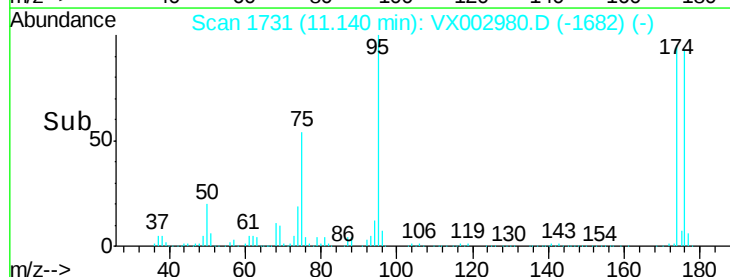
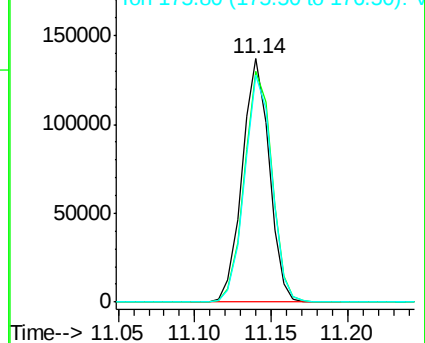
176 94.6 0.0 181.0

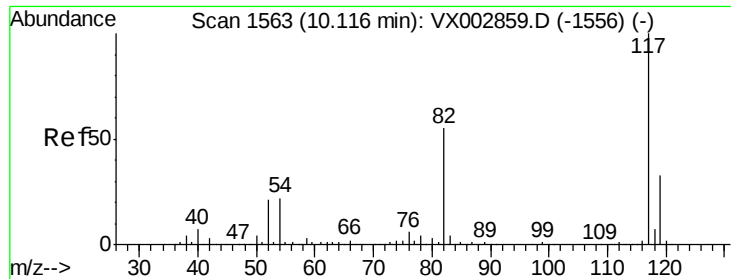


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

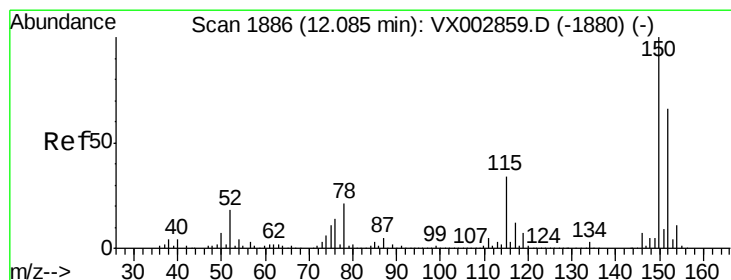
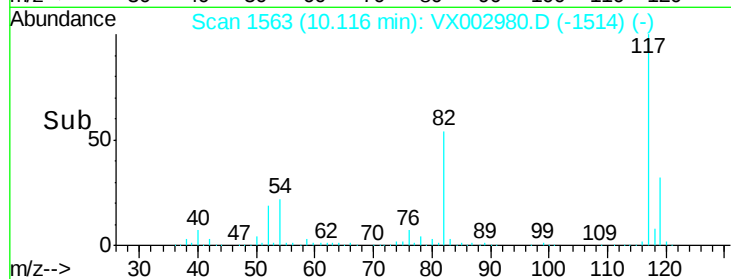
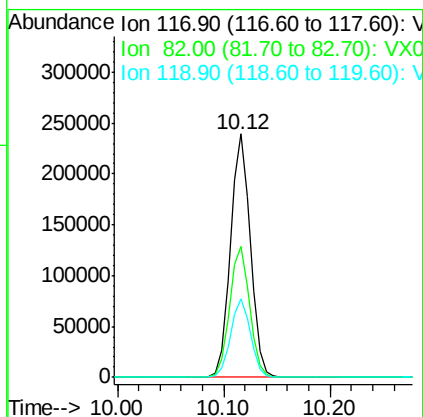
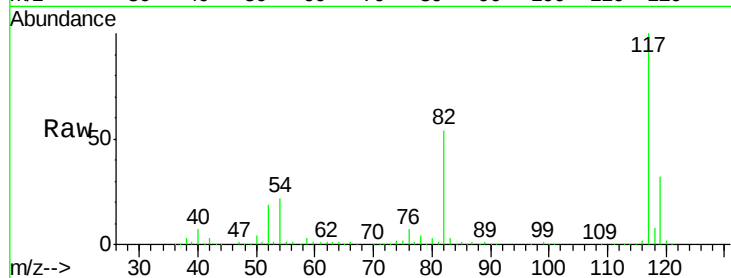




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002980.D  
Acq: 28 Jun 2018 13:01

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0628WBL01

Tot Ion:117 Resp: 314419  
Ion Ratio Lower Upper  
117 100  
82 53.7 45.0 67.4  
119 32.2 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: VX002980.D  
Acq: 28 Jun 2018 13:01

Tgt Ion:152 Resp: 177544  
Ion Ratio Lower Upper  
152 100  
115 53.8 40.1 120.2  
150 155.3 0.0 347.2

