

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\  
 Data File : VX004740.D  
 Acq On : 26 Sep 2018 23:17  
 Operator : JC/MD  
 Sample : VX0926WBL02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0926WBL02

Quant Time: Sep 27 05:32:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 235675   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 375033   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 348674   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 192068   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 195178   | 57.97 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.94% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 161654   | 50.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.72% |      |
| 50) Toluene-d8              | 8.72   | 98  | 519216   | 49.14 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.28%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 182933   | 48.06 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.12%  |      |

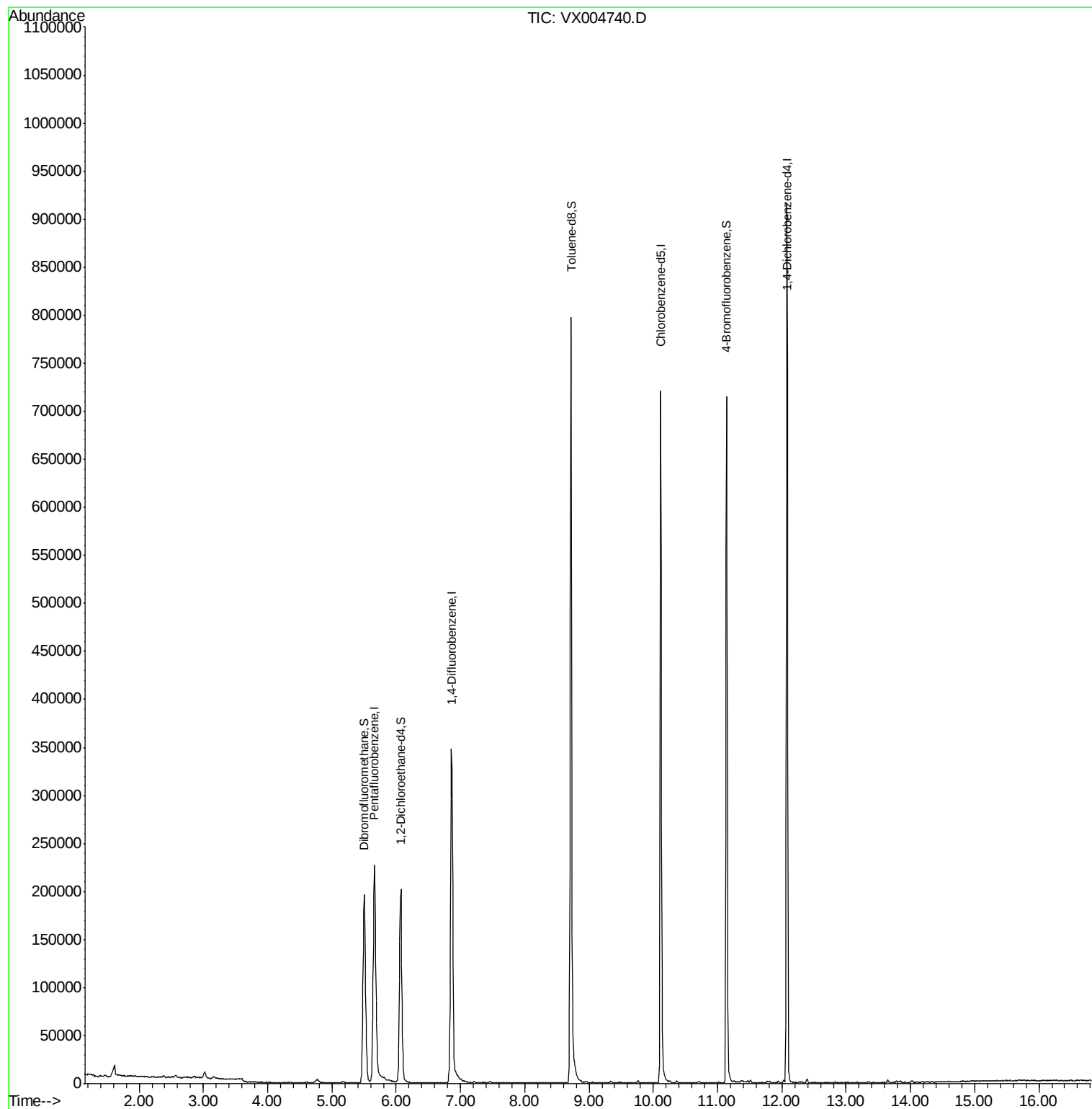
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

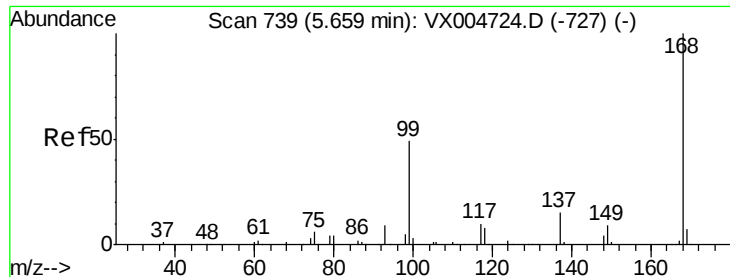
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA\_X

ClientSampleId :

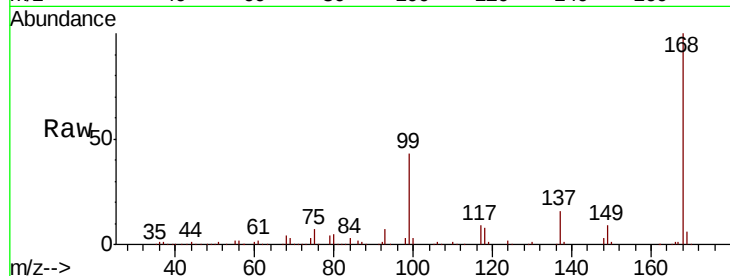
VX0926WBL02

Tot Ion:168 Resp: 235675

Ion Ratio Lower Upper

168 100

99 43.0 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

80000

60000

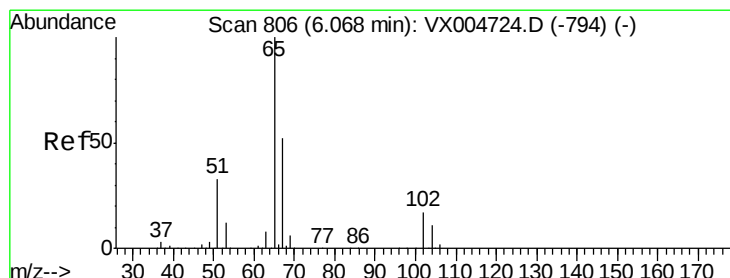
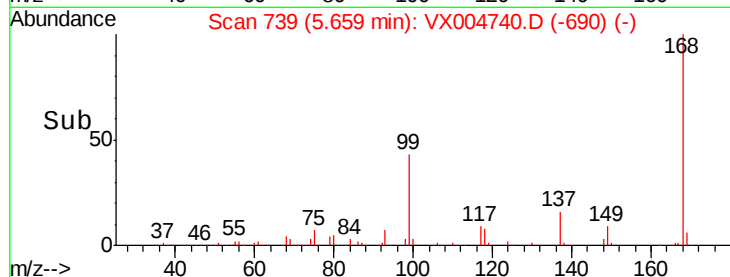
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 57.974 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004740.D

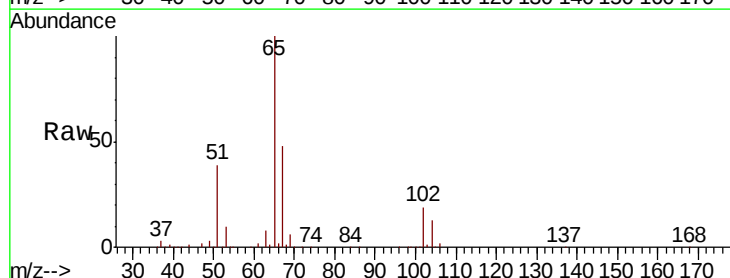
Acq: 26 Sep 2018 23:17

Tgt Ion: 65 Resp: 195178

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

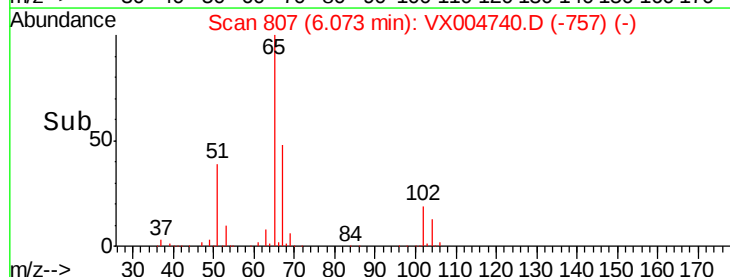
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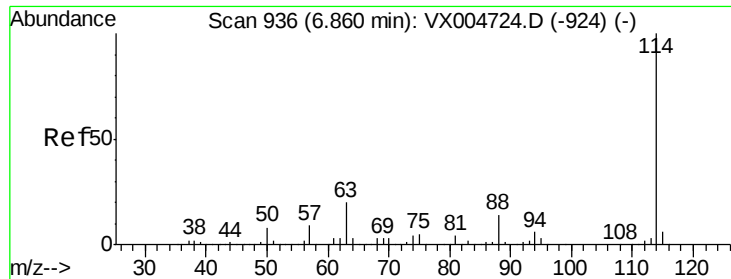
20000

0

Time-->

6.00 6.20

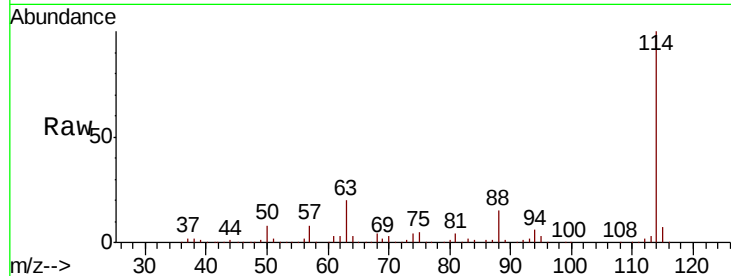




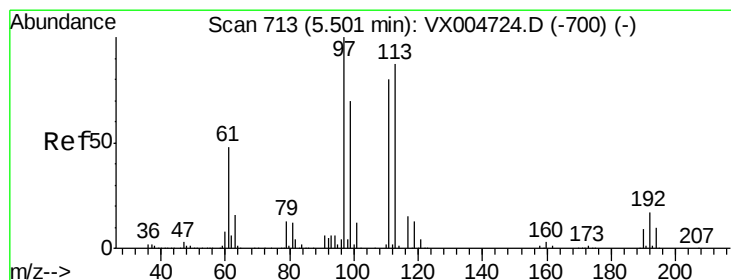
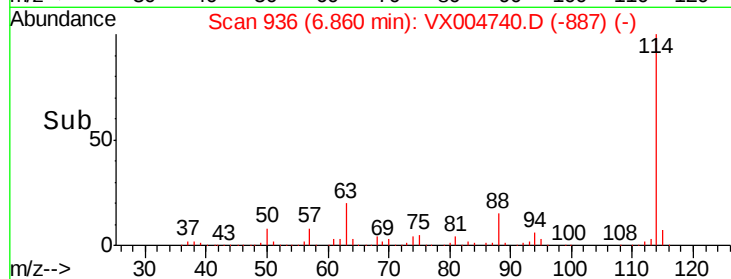
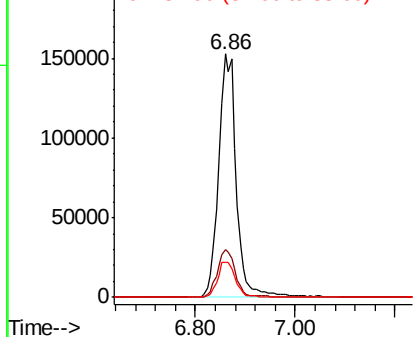
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004740.D  
 Acq: 26 Sep 2018 23:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0926WBL02

Tot Ion:114 Resp: 375033  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 39.0  
 88 14.5 0.0 30.4

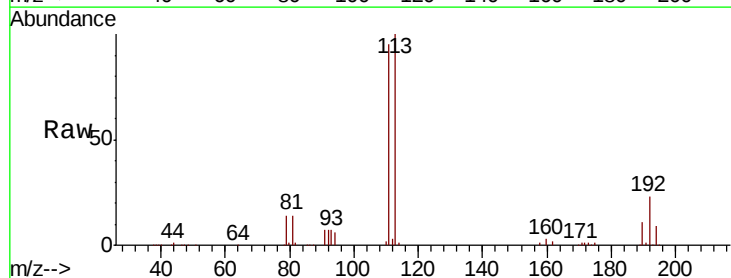


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

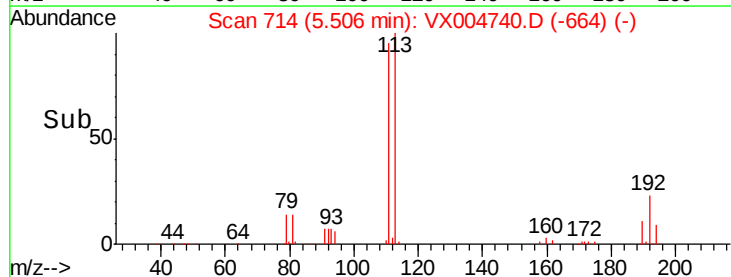
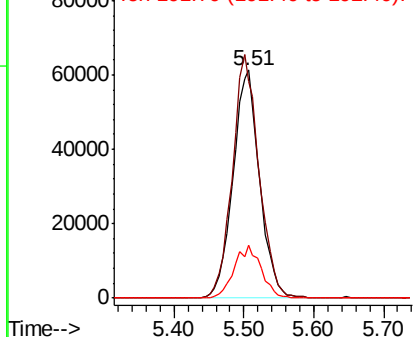


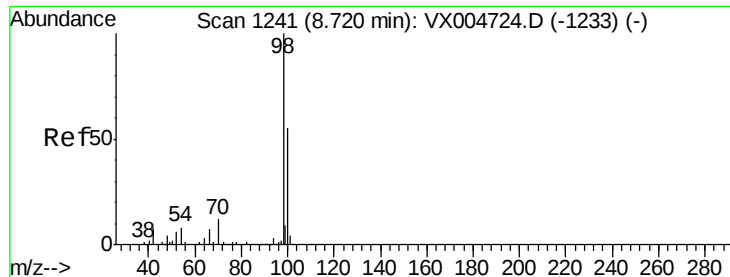
#35  
 Dibromofluoromethane  
 Concen: 50.859 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.01 min  
 Lab File: VX004740.D  
 Acq: 26 Sep 2018 23:17

Tgt Ion:113 Resp: 161654  
 Ion Ratio Lower Upper  
 113 100  
 111 106.6 82.4 123.6  
 192 23.4 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





#50

Toluene-d8

Concen: 49.137 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA\_X

ClientSampleId :

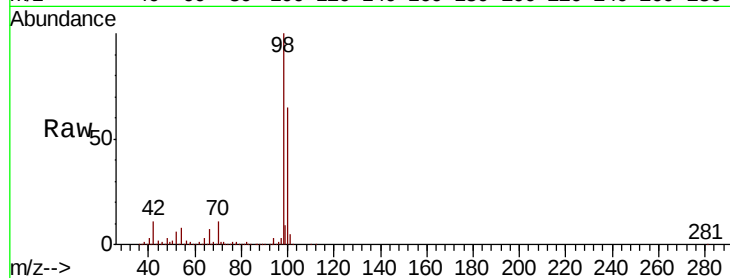
VX0926WBL02

Tot Ion: 98 Resp: 519216

Ion Ratio Lower Upper

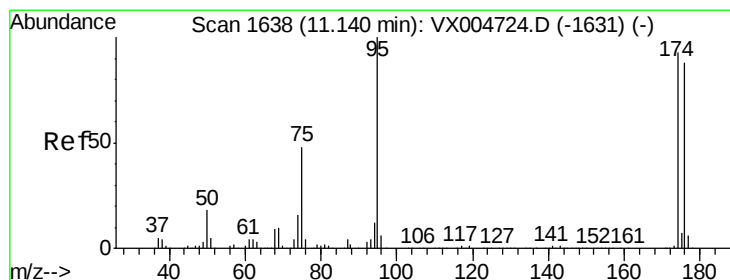
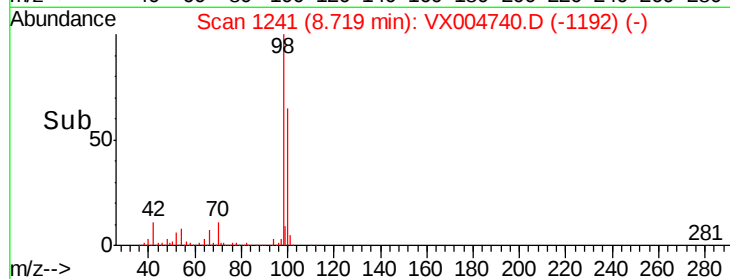
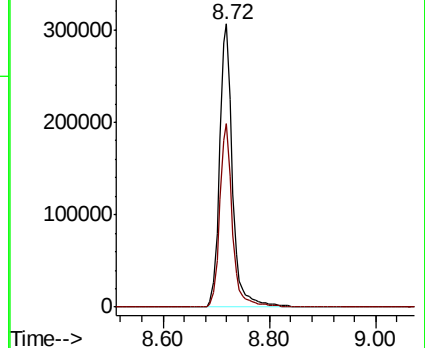
98 100

100 63.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 48.055 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

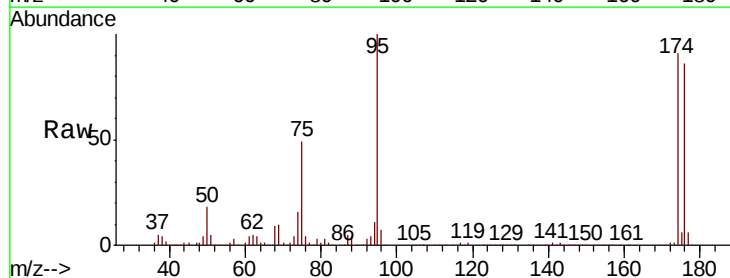
Tgt Ion: 95 Resp: 182933

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.2

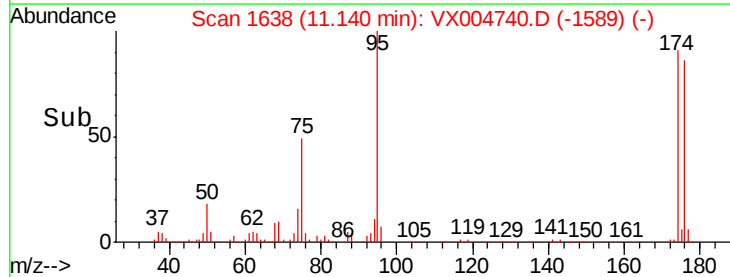
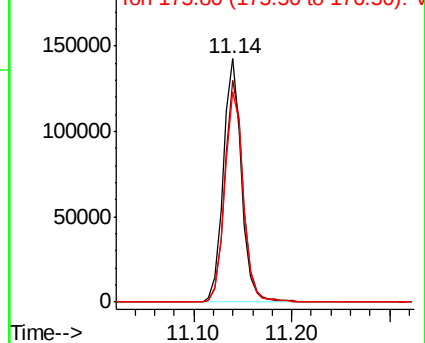
176 88.9 0.0 178.6

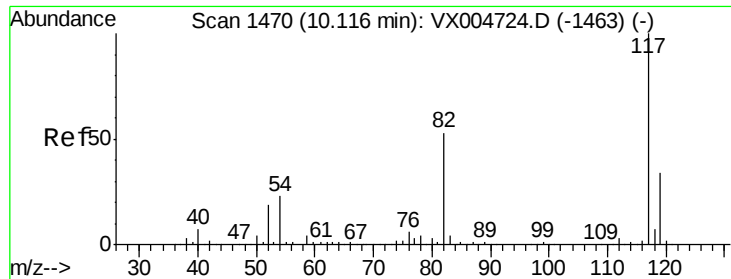


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

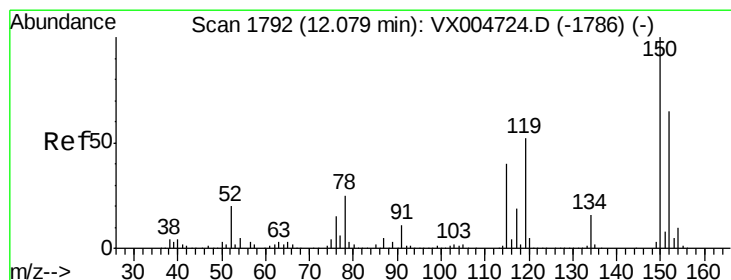
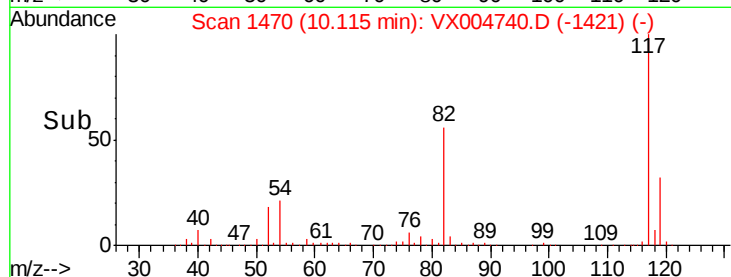
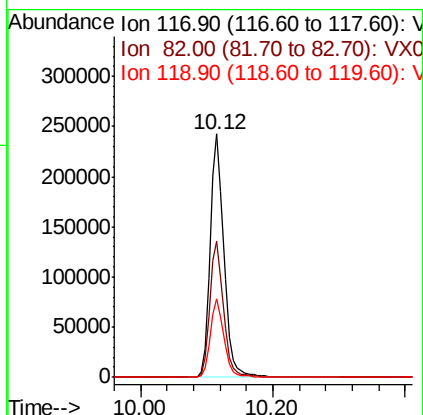
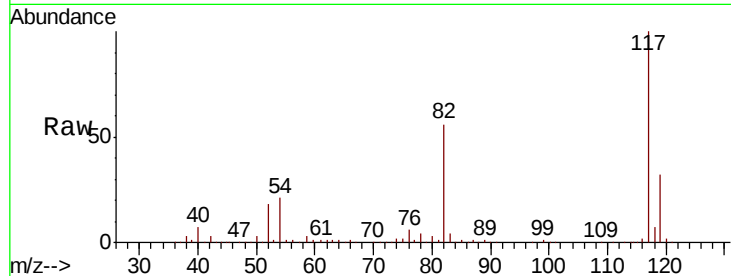




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004740.D  
Acq: 26 Sep 2018 23:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0926WBL02

Tot Ion:117 Resp: 348674  
Ion Ratio Lower Upper  
117 100  
82 55.9 47.8 71.6  
119 32.1 29.3 43.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004740.D  
Acq: 26 Sep 2018 23:17

Tgt Ion:152 Resp: 192068  
Ion Ratio Lower Upper  
152 100  
115 55.9 39.0 117.0  
150 156.6 0.0 351.0

