

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042319\  
 Data File : VX009110.D  
 Acq On : 23 Apr 2019 11:00  
 Operator : JC/SP  
 Sample : VX0423MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0423MBL01

Quant Time: Apr 24 05:08:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:47:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 254091   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 411820   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 353937   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 148459   | 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   | 168291   | 47.00 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.00% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 124090   | 46.95 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.90% |          |
| 50) Toluene-d8              | 8.71  | 98   | 509463   | 48.33 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.66% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 169084   | 45.44 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.88% |          |

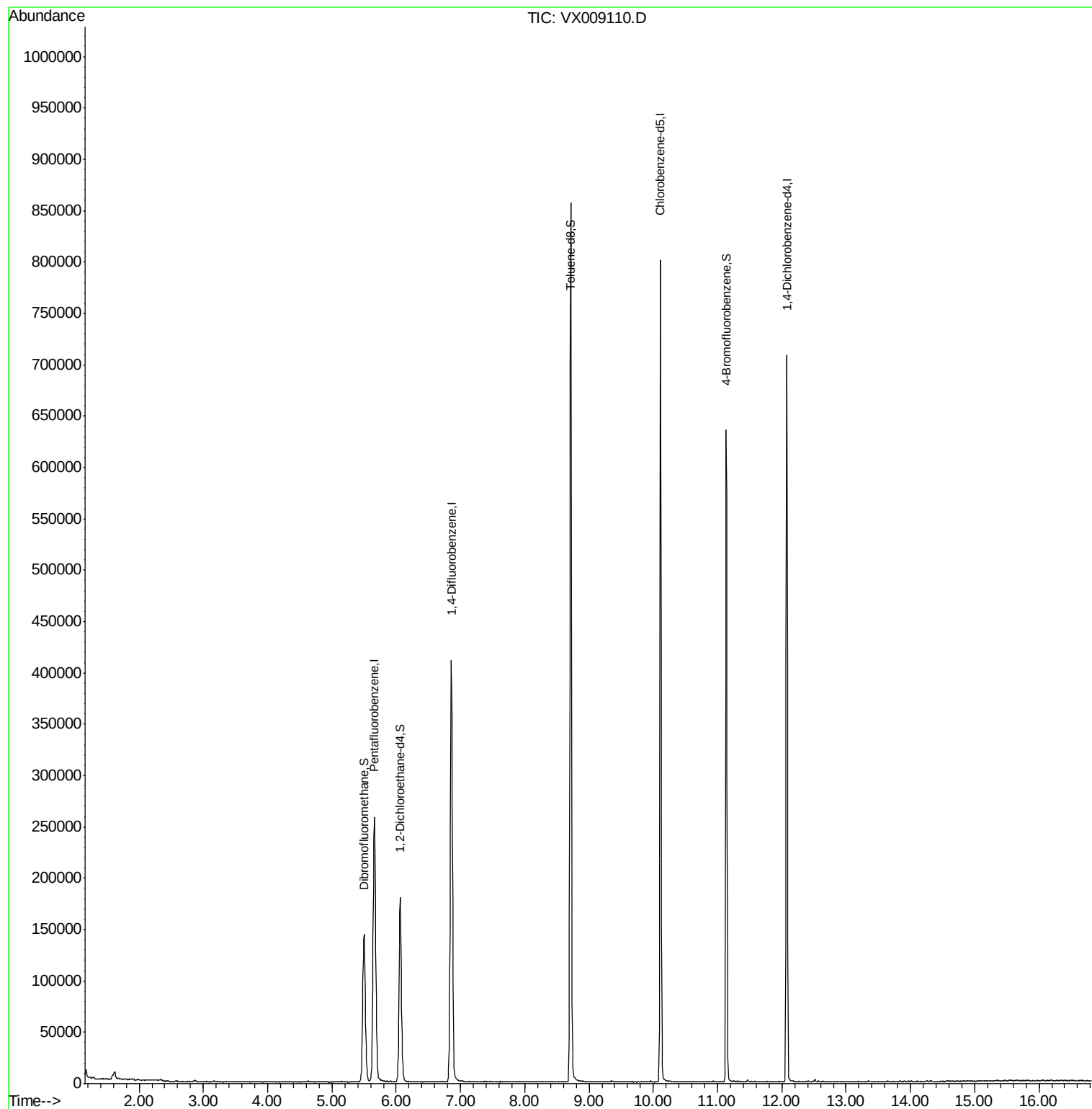
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

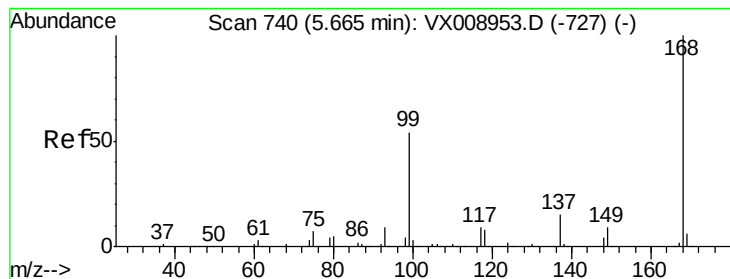
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 17 06:47:58 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009110.D

Acq: 23 Apr 2019 11:00

Instrument :

MSVOA\_X

ClientSampleId :

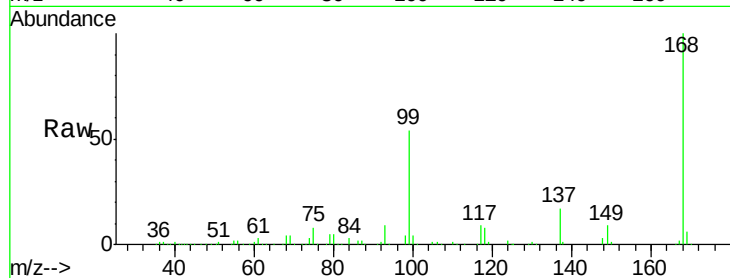
VX0423MBL01

Tot Ion:168 Resp: 254091

Ion Ratio Lower Upper

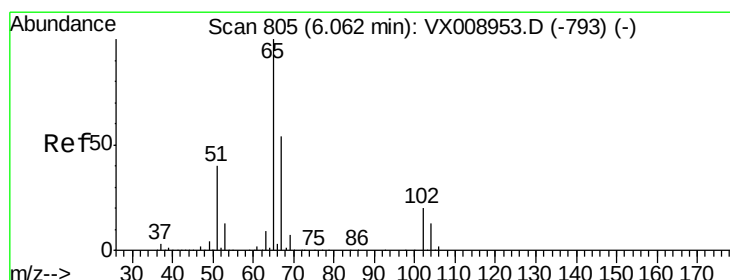
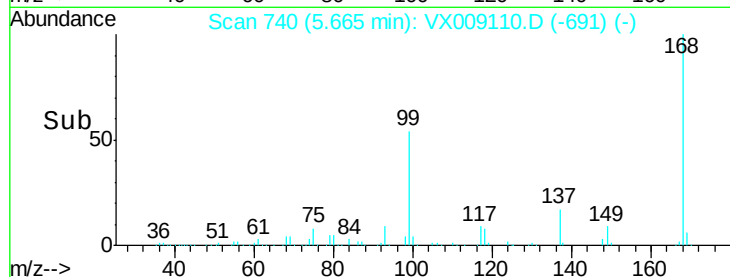
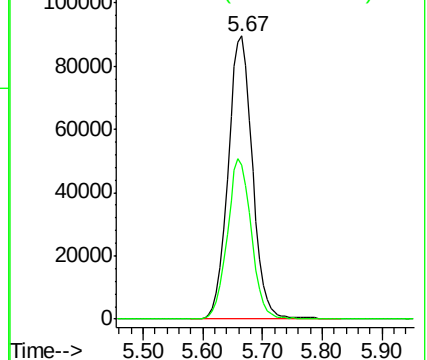
168 100

99 54.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.997 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009110.D

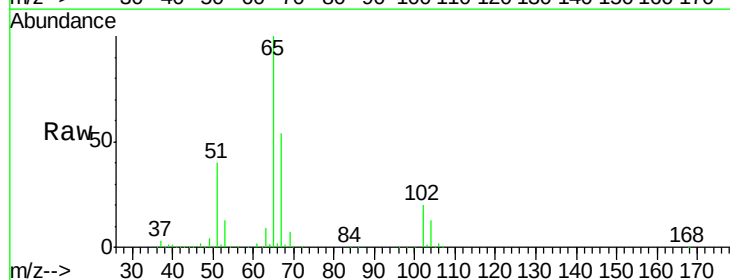
Acq: 23 Apr 2019 11:00

Tgt Ion: 65 Resp: 168291

Ion Ratio Lower Upper

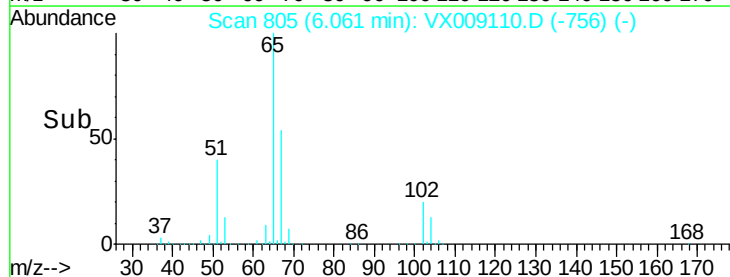
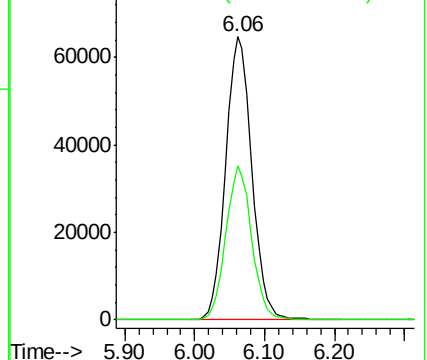
65 100

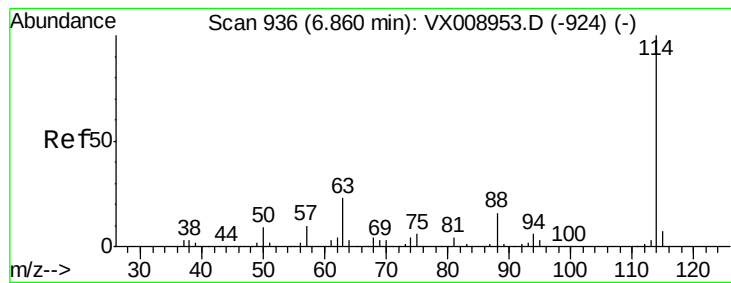
67 53.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009110.D

Acq: 23 Apr 2019 11:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0423MBL01

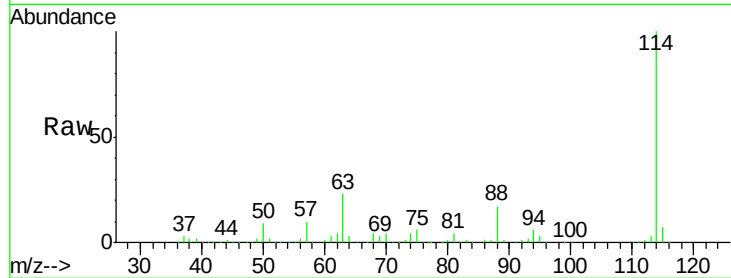
Tot Ion:114 Resp: 411820

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.0

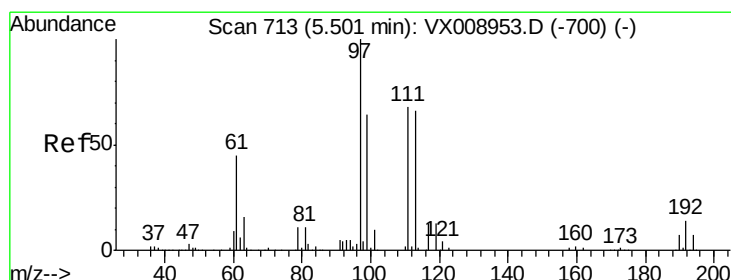
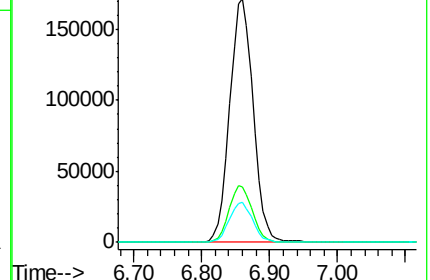
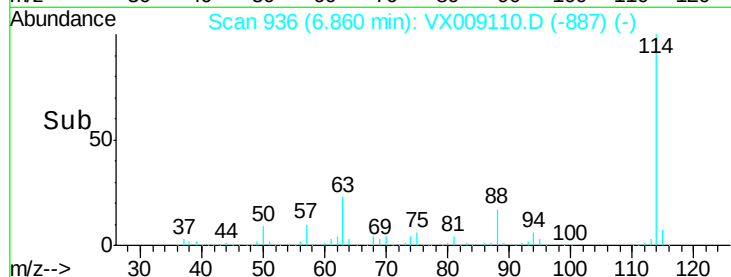
88 16.6 0.0 32.6



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: 46.951 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009110.D

Acq: 23 Apr 2019 11:00

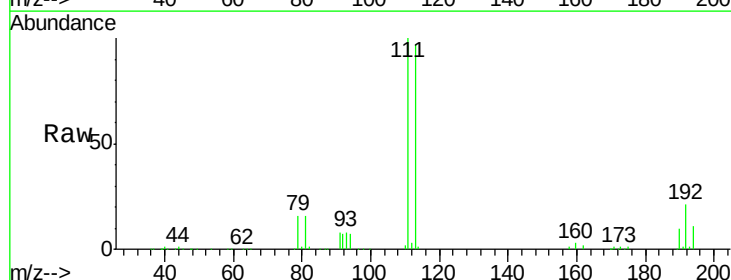
Tgt Ion:113 Resp: 124090

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

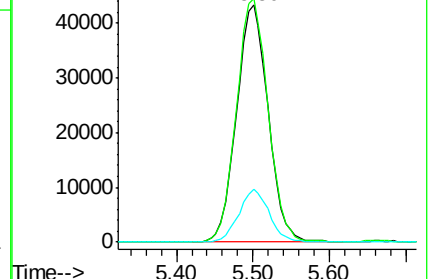
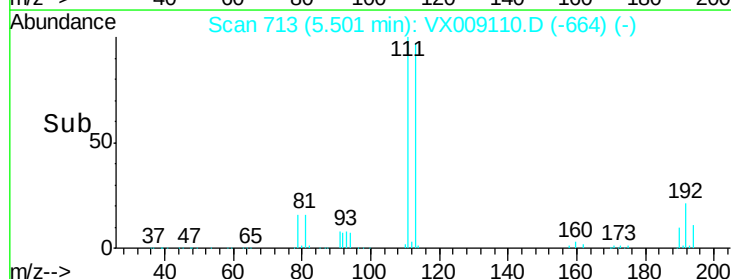
192 21.5 17.4 26.0

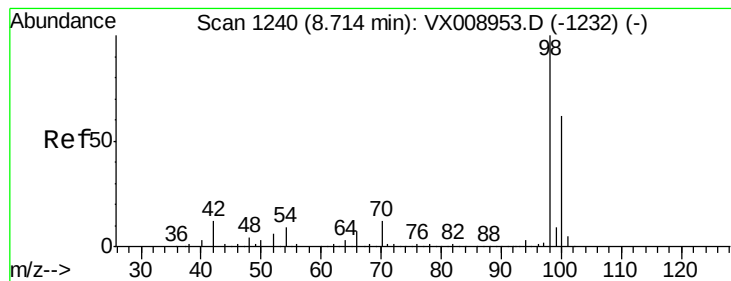


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.335 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009110.D

Acq: 23 Apr 2019 11:00

Instrument :

MSVOA\_X

ClientSampleId :

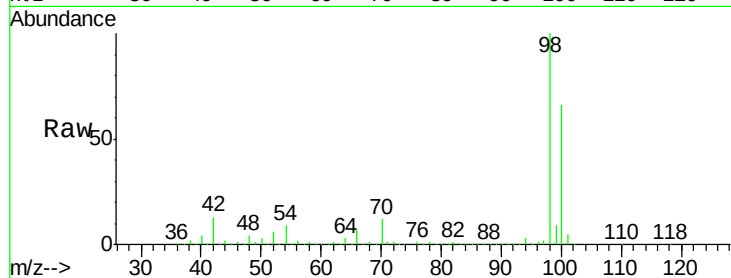
VX0423MBL01

Tot Ion: 98 Resp: 509463

Ion Ratio Lower Upper

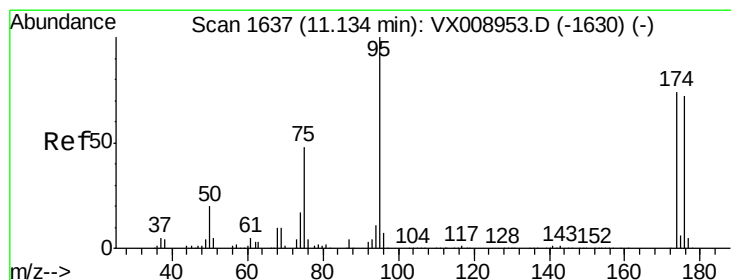
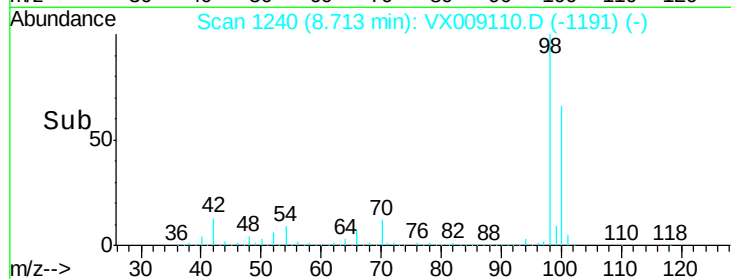
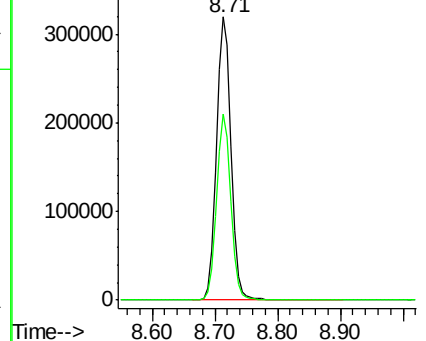
98 100

100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.444 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009110.D

Acq: 23 Apr 2019 11:00

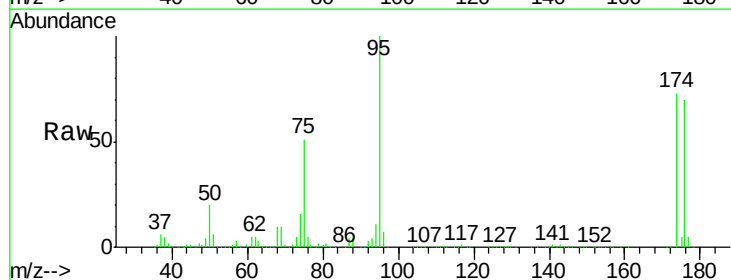
Tgt Ion: 95 Resp: 169084

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.6

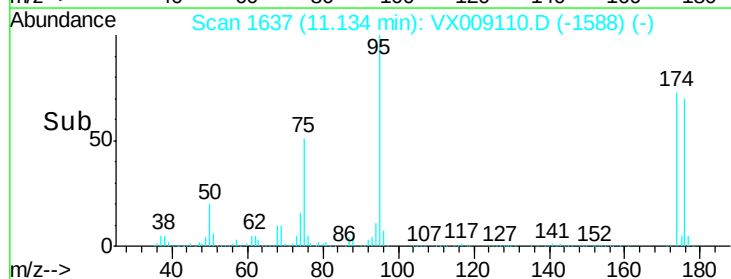
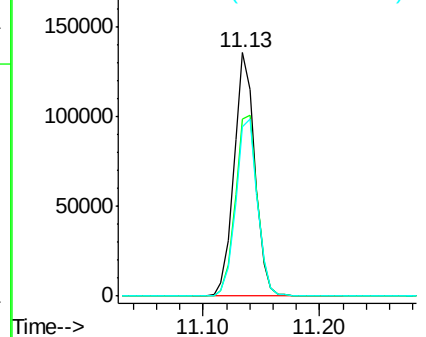
176 75.6 0.0 154.8

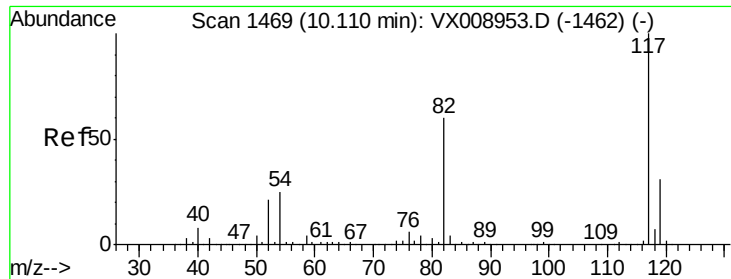


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

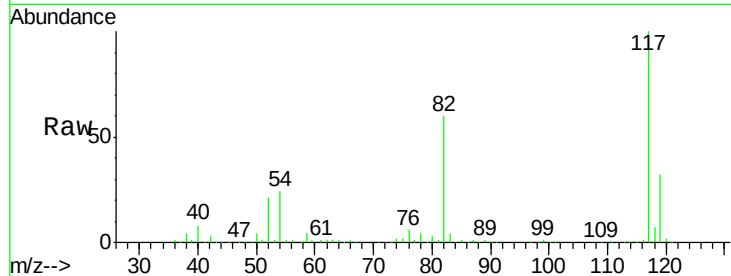




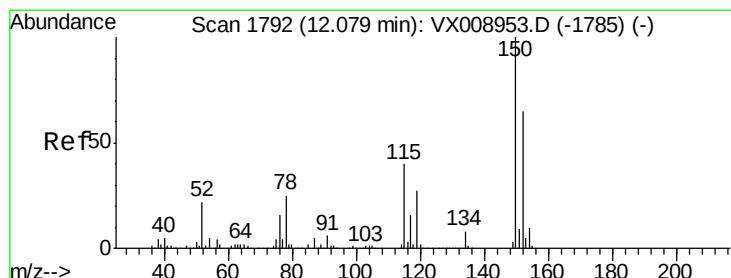
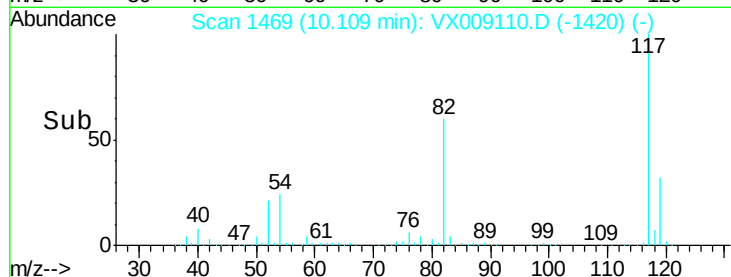
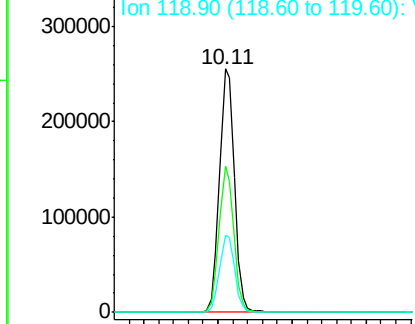
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX009110.D  
Acq: 23 Apr 2019 11:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0423MBL01

Tot Ion:117 Resp: 353937  
Ion Ratio Lower Upper  
117 100  
82 60.3 48.2 72.4  
119 31.8 25.0 37.6

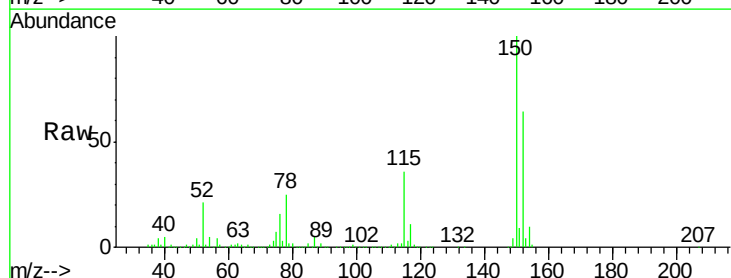


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX009110.D  
Acq: 23 Apr 2019 11:00

Tgt Ion:152 Resp: 148459  
Ion Ratio Lower Upper  
152 100  
115 58.8 41.4 124.2  
150 157.9 0.0 349.8



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

