

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX122418\  
 Data File : VX006783.D  
 Acq On : 24 Dec 2018 09:59  
 Operator : JC/MD  
 Sample : VX1224MBL01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1224MBL01

Quant Time: Dec 25 02:25:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 680045   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1034163  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 943824   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 453994   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 350096   | 47.77 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.54% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 316007   | 48.32 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.64% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1219212  | 49.45 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.90% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 429028   | 47.51 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.02% |          |

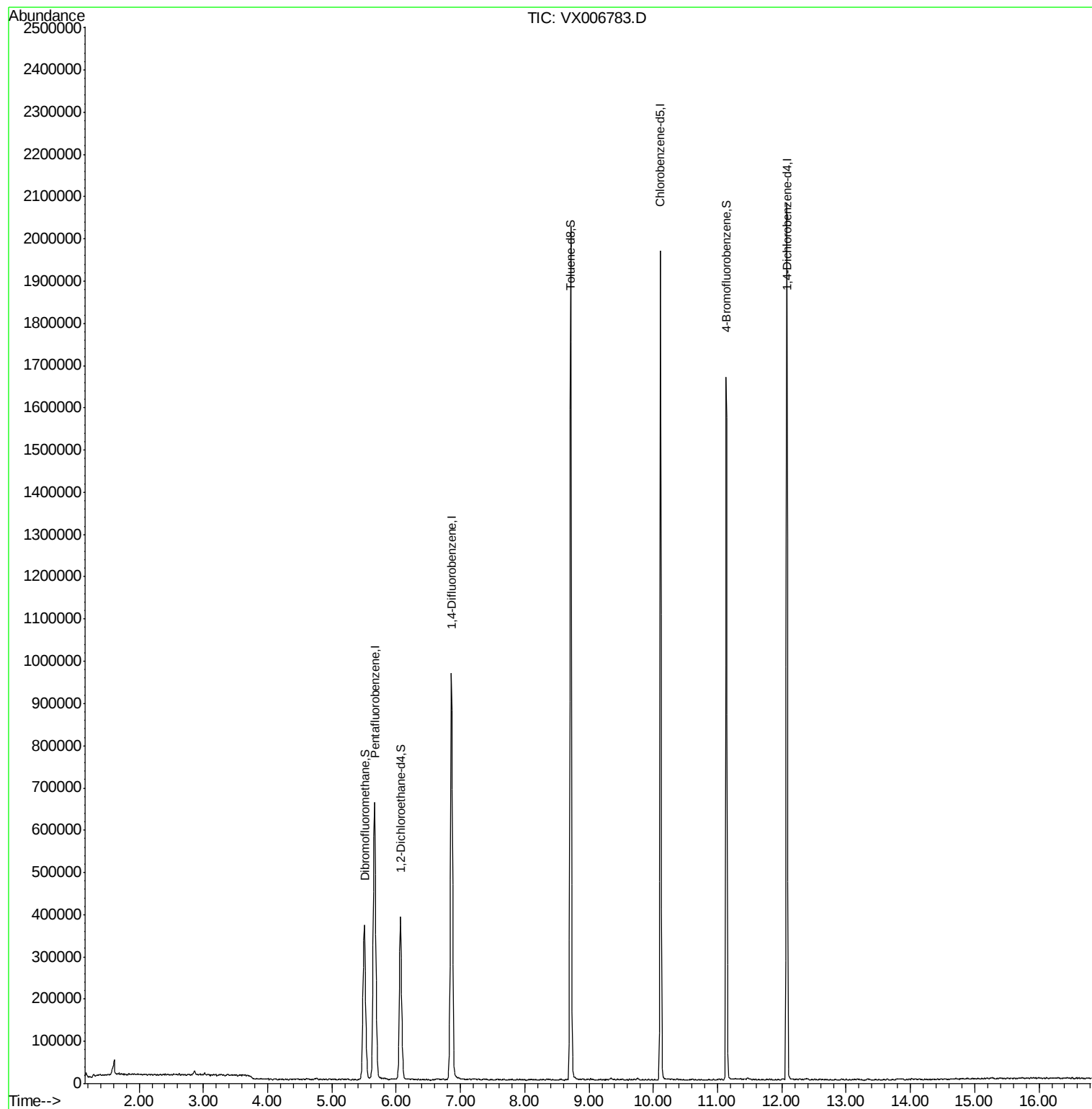
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

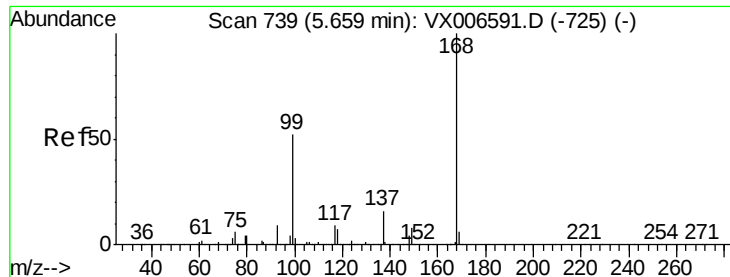
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Dec 19 15:20:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA\_X

ClientSampled :

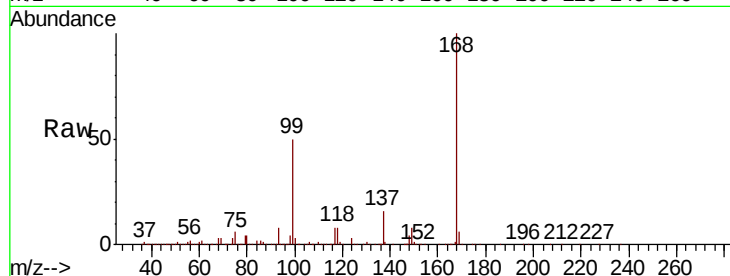
VX1224MBL01

Tot Ion:168 Resp: 680045

Ion Ratio Lower Upper

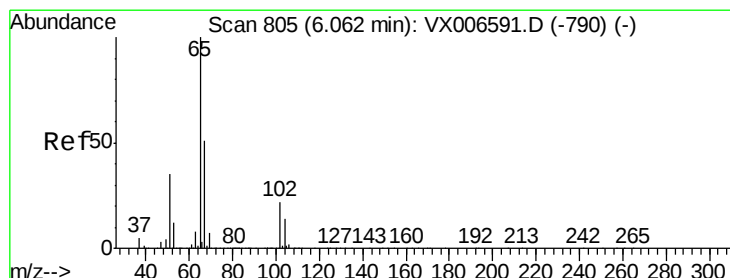
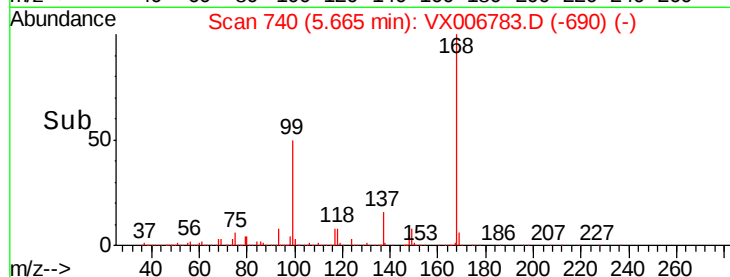
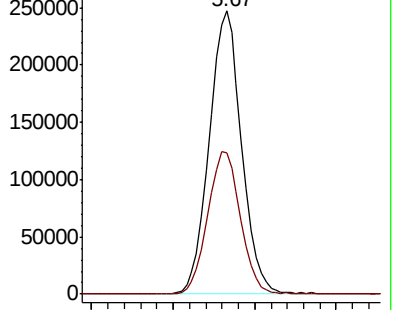
168 100

99 50.1 41.8 62.8



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: 47.767 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006783.D

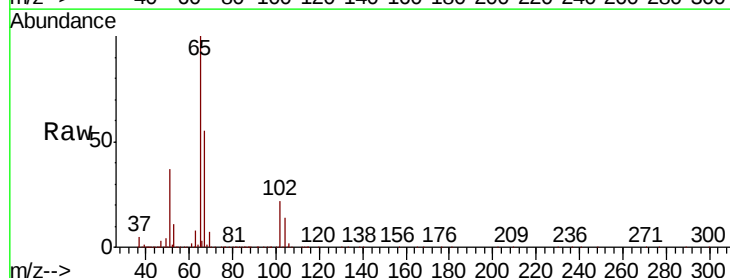
Acq: 24 Dec 2018 09:59

Tgt Ion: 65 Resp: 350096

Ion Ratio Lower Upper

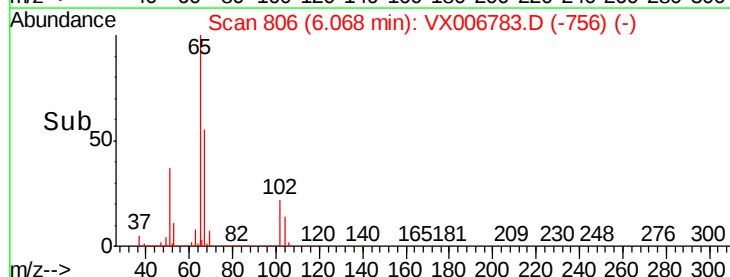
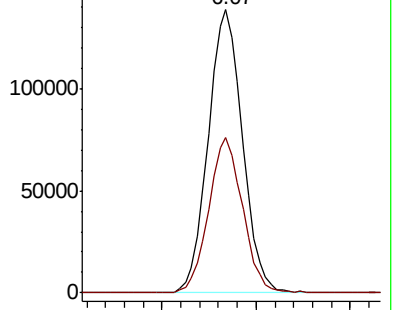
65 100

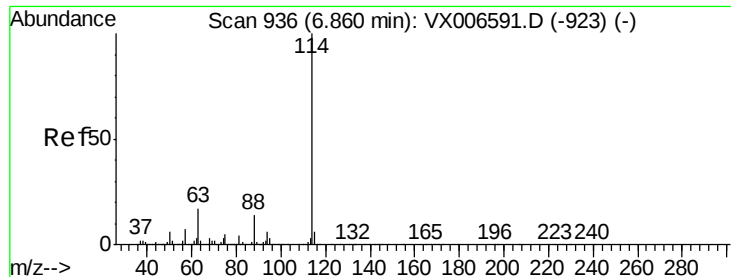
67 54.0 0.0 105.0



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: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VX1224MBL01

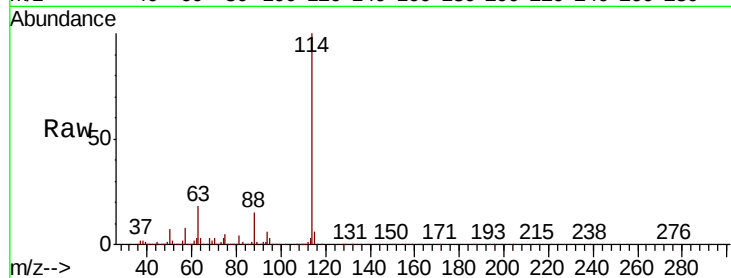
Tot Ion:114 Resp: 1034163

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

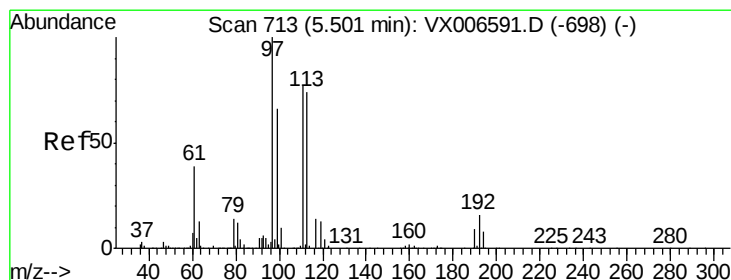
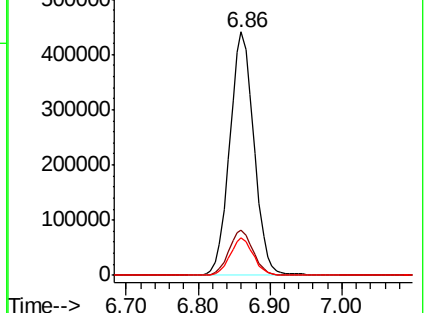
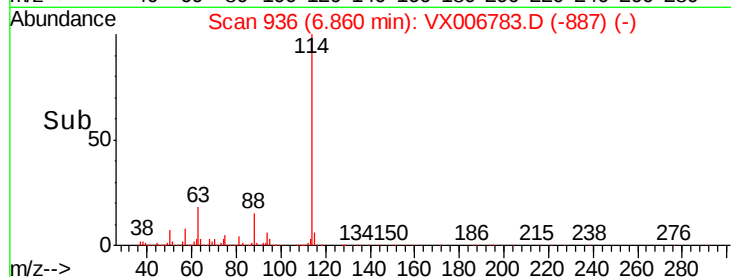
88 15.2 0.0 28.8



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: 48.320 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

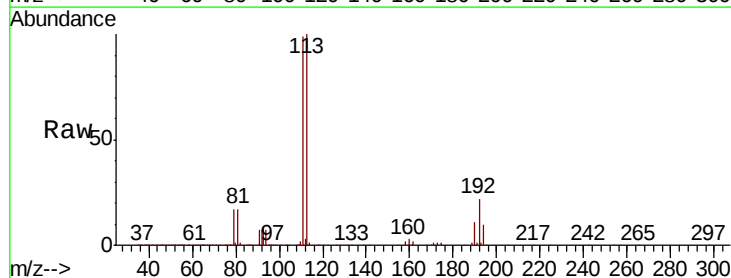
Tgt Ion:113 Resp: 316007

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

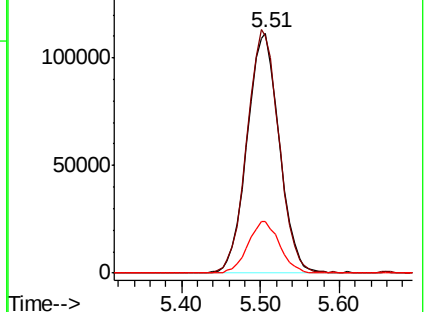
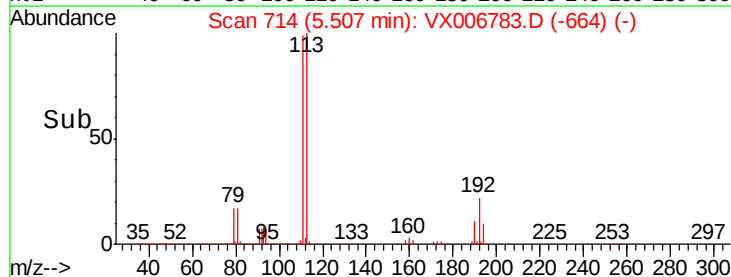
192 21.4 16.7 25.1

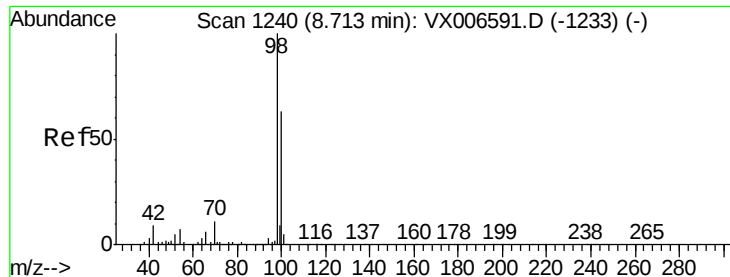


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.450 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA\_X

ClientSampleId :

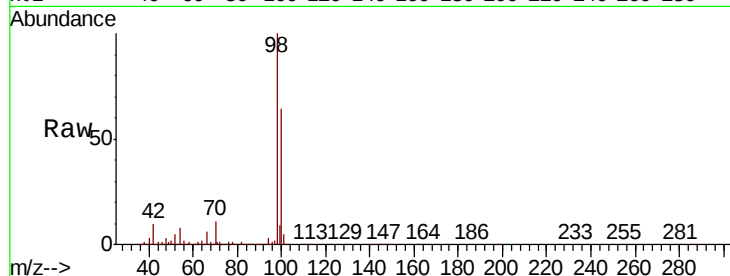
VX1224MBL01

Tot Ion: 98 Resp: 1219212

Ion Ratio Lower Upper

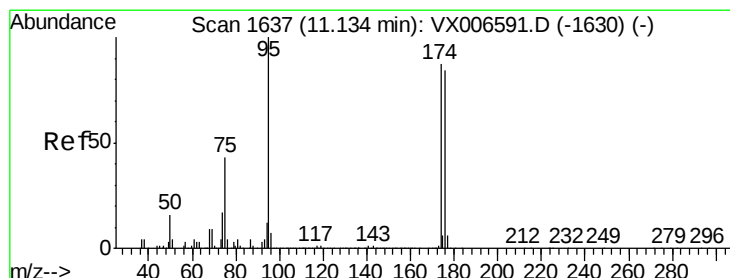
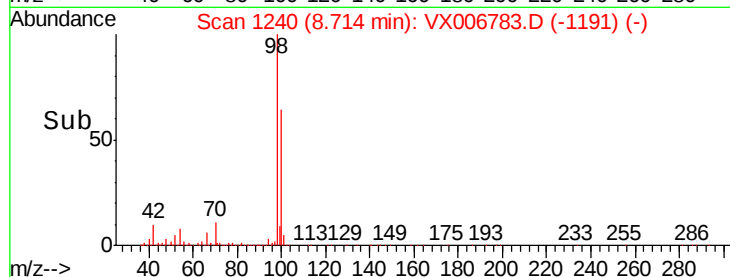
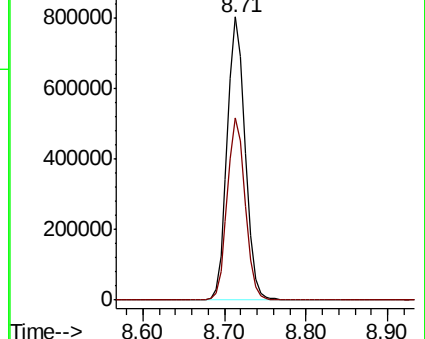
98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.512 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

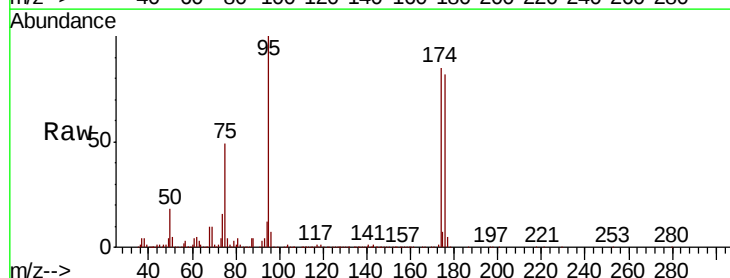
Tgt Ion: 95 Resp: 429028

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.2

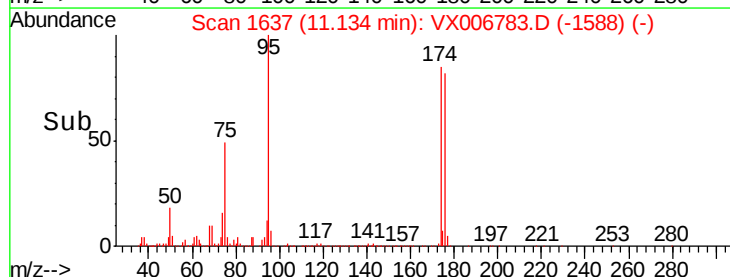
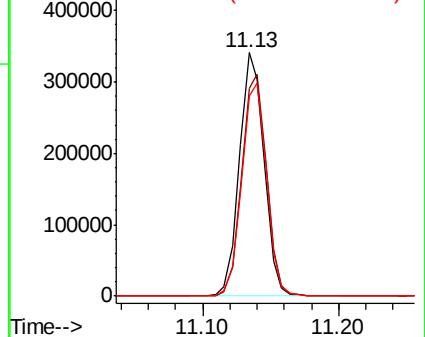
176 88.6 0.0 178.8

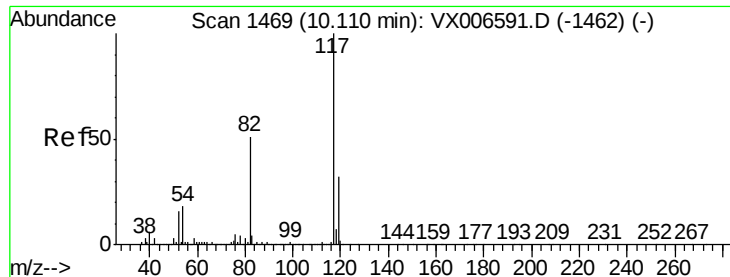


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

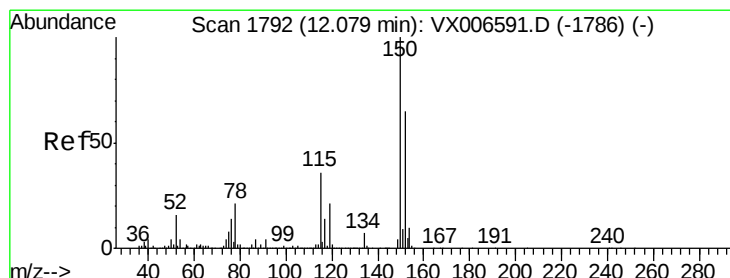
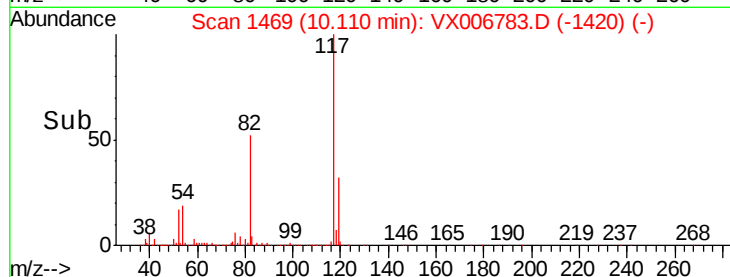
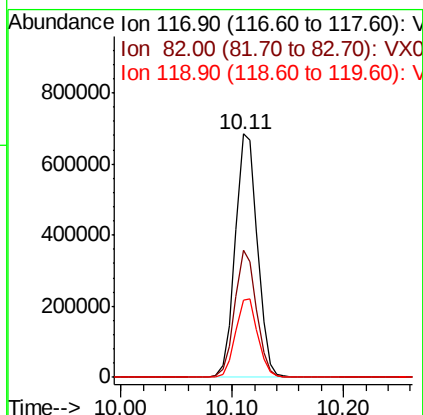
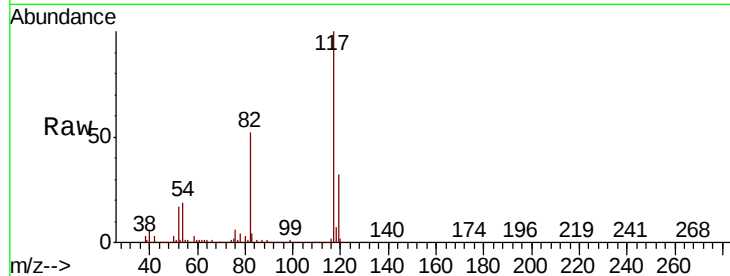




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX006783.D  
Acq: 24 Dec 2018 09:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1224MBL01

Tot Ion:117 Resp: 943824  
Ion Ratio Lower Upper  
117 100  
82 52.5 41.0 61.6  
119 31.6 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006783.D  
Acq: 24 Dec 2018 09:59

Tgt Ion:152 Resp: 453994  
Ion Ratio Lower Upper  
152 100  
115 55.3 39.1 117.2  
150 156.9 0.0 344.8

