

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030118\  
 Data File : VX000184.D  
 Acq On : 01 Mar 2018 14:56  
 Operator : JC/MD  
 Sample : J1734-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ClientSampleId :  
 PB-2-OW

Quant Time: Mar 02 03:59:46 2018  
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 21 06:17:26 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.04  | 128  | 21559    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.87  | 114  | 123616   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 114663   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.08   | 65    | 51593    | 30.92    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 103.07% |
| 60) 4-Bromofluorobenzene  | 11.15  | 95    | 54015    | 28.80    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 96.00%  |
| 63) Toluene-d8            | 8.73   | 98    | 151485   | 30.84    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.80% |

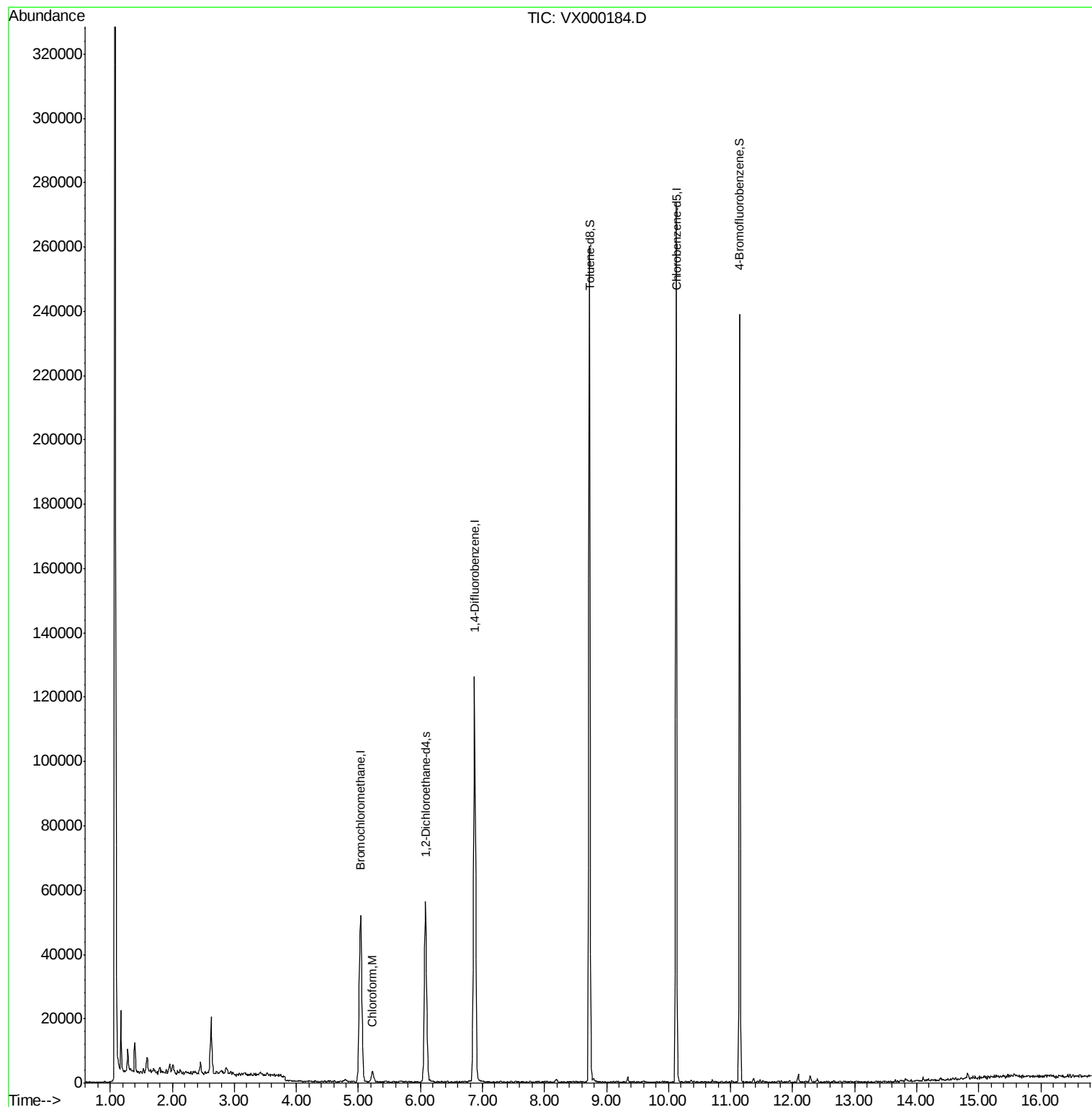
| Target Compounds |      |    |      |           | Ovalue |
|------------------|------|----|------|-----------|--------|
| 25) Chloroform   | 5.23 | 83 | 3235 | 1.28 ug/l | 92     |

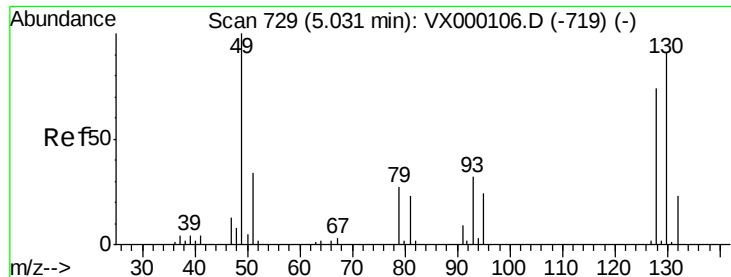
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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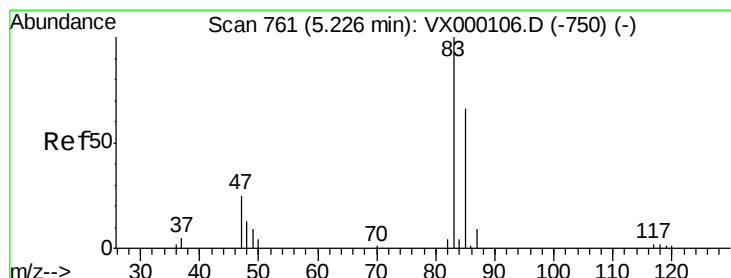
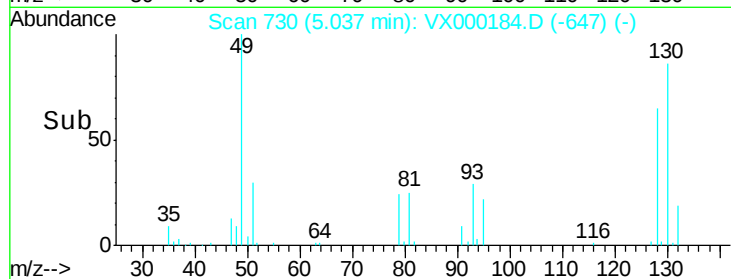
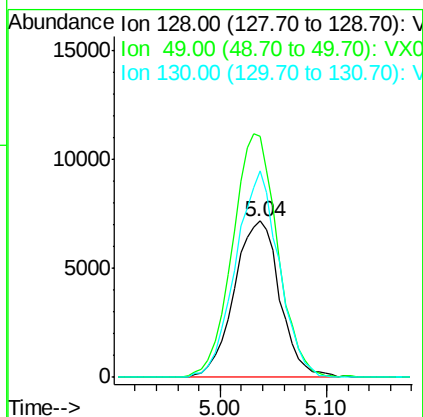
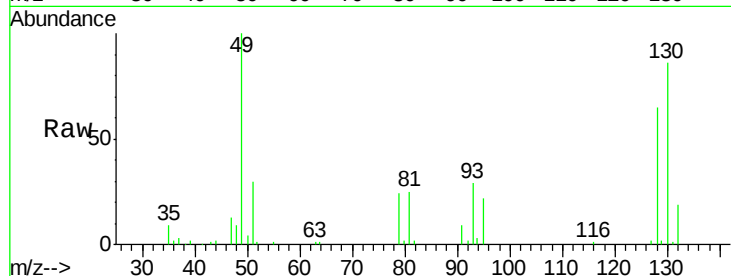




#1  
 Bromochloromethane  
 Concen: 30.00 ug/l  
 RT: 5.04 min Scan# 730  
 Delta R.T. 0.01 min  
 Lab File: VX000184.D  
 Acq: 01 Mar 2018 14:56

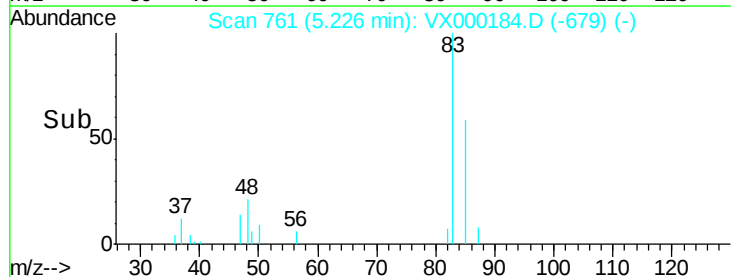
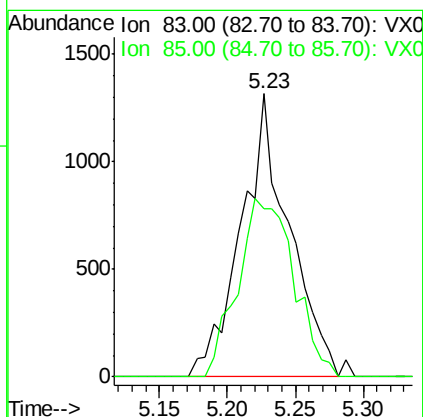
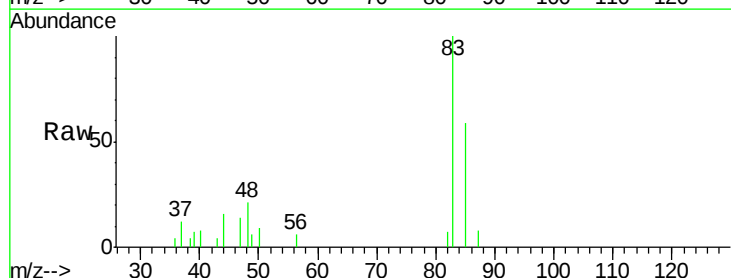
Instrument :  
 ClientSampled :  
 PB-2-OW

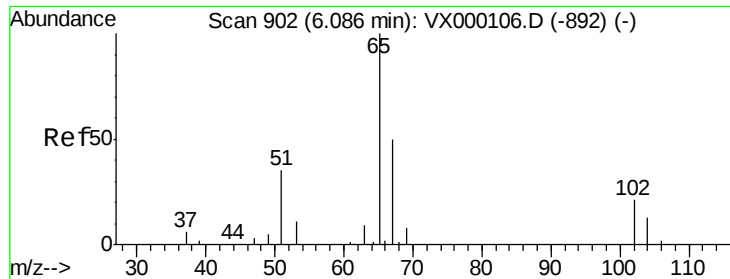
Tot Ion:128 Resp: 21559  
 Ion Ratio Lower Upper  
 128 100  
 49 153.0 0.0 378.3  
 130 125.0 0.0 324.3



#25  
 Chloroform  
 Concen: 1.28 ug/l  
 RT: 5.23 min Scan# 761  
 Delta R.T. 0.00 min  
 Lab File: VX000184.D  
 Acq: 01 Mar 2018 14:56

Tgt Ion: 83 Resp: 3235  
 Ion Ratio Lower Upper  
 83 100  
 85 59.4 52.5 78.7

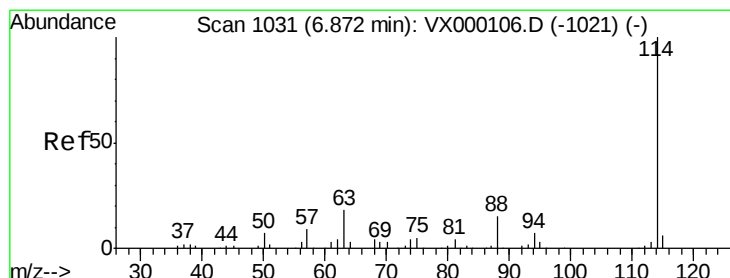
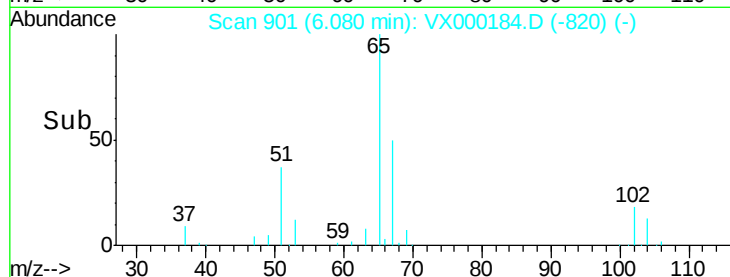
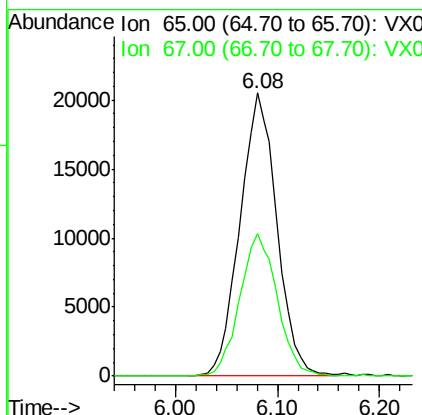
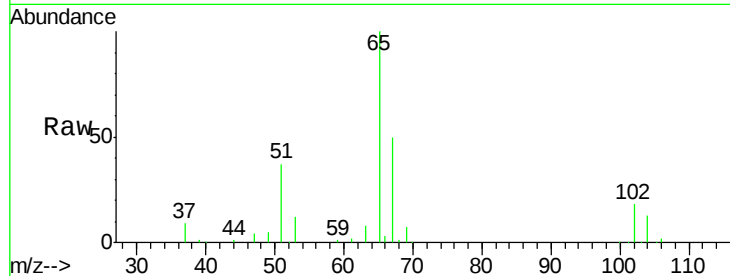




#27  
 1,2-Dichloroethane-d4  
 Concen: 30.92 ug/l  
 RT: 6.08 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: VX000184.D  
 Acq: 01 Mar 2018 14:56

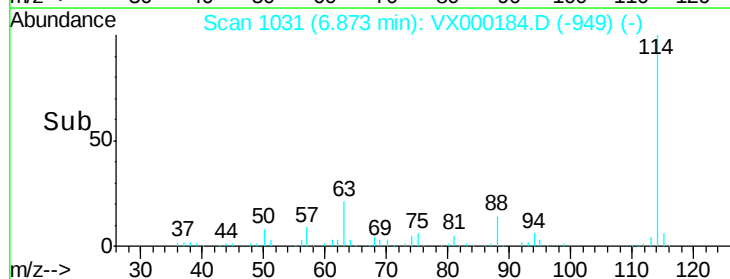
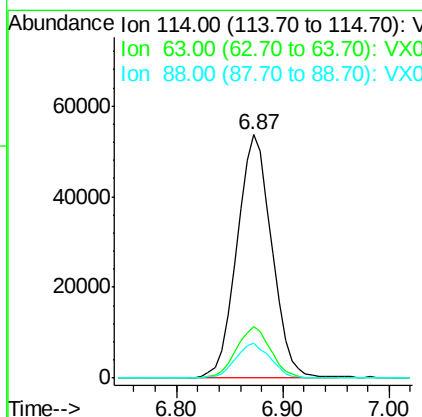
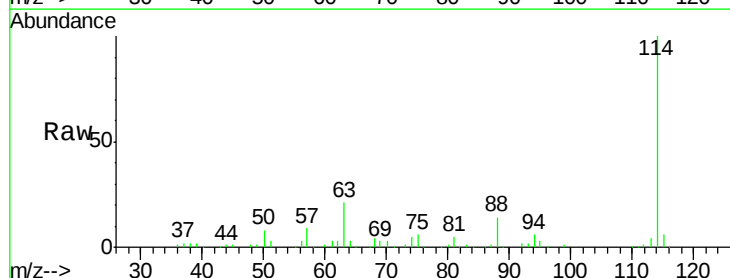
Instrument :  
 ClientSampled :  
 PB-2-OW

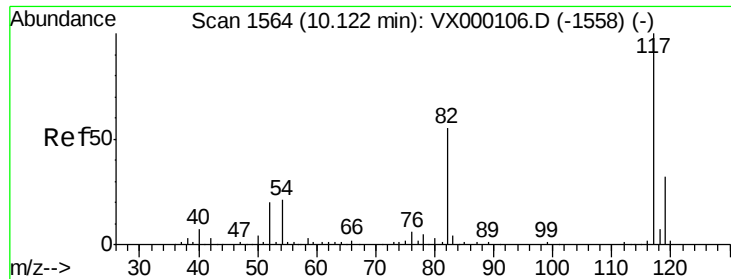
Tot Ion: 65 Resp: 51593  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 41.4 62.2



#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 6.87 min Scan# 1031  
 Delta R.T. 0.00 min  
 Lab File: VX000184.D  
 Acq: 01 Mar 2018 14:56

Tgt Ion: 114 Resp: 123616  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 15.0 22.4  
 88 14.5 11.8 17.8

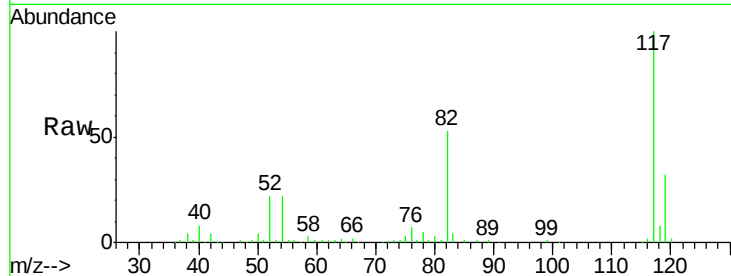




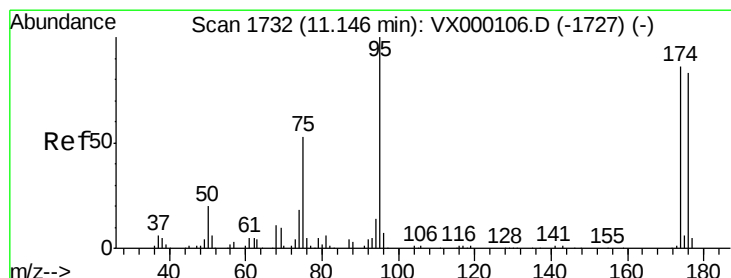
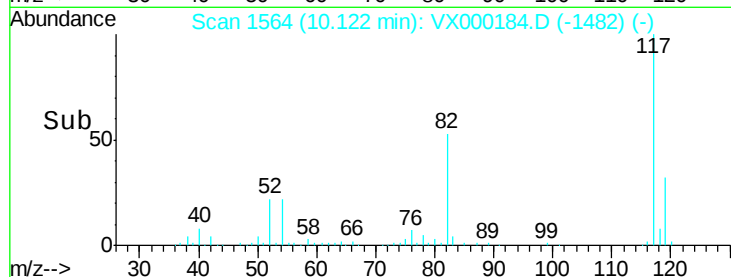
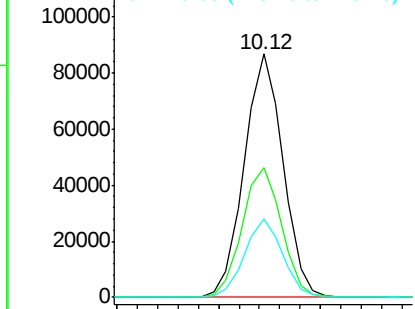
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX000184.D  
Acq: 01 Mar 2018 14:56

Instrument :  
ClientSampled :  
PB-2-OW

Tot Ion:117 Resp: 114663  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.0 64.4  
119 31.8 25.8 38.8

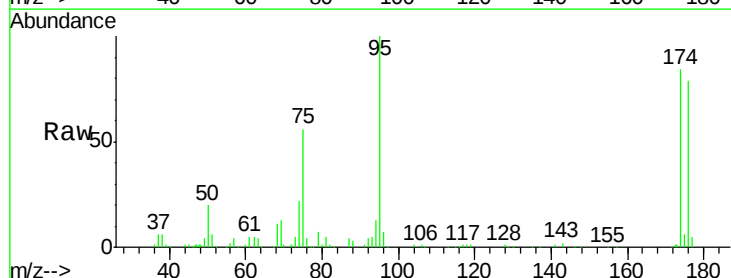


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 119.00 (118.70 to 119.70): V

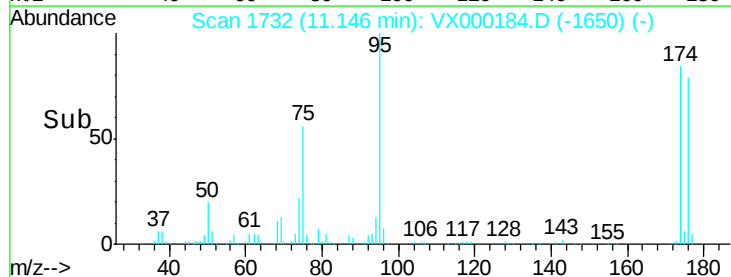
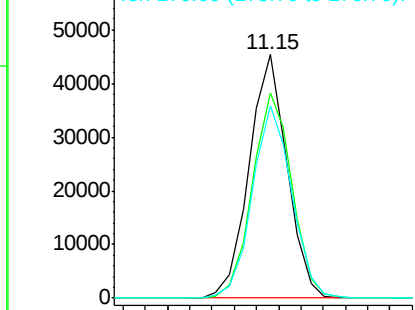


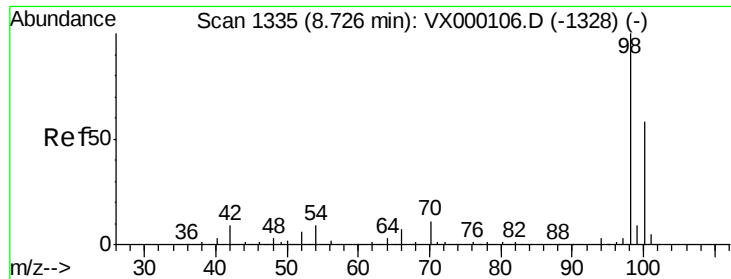
#60  
4-Bromofluorobenzene  
Concen: 28.80 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VX000184.D  
Acq: 01 Mar 2018 14:56

Tgt Ion: 95 Resp: 54015  
Ion Ratio Lower Upper  
95 100  
174 87.4 71.1 106.7  
176 81.7 69.3 103.9



Abundance Ion 95.00 (94.70 to 95.70): VX0  
Ion 174.00 (173.70 to 174.70): V  
Ion 176.00 (175.70 to 176.70): V





#63  
 Toluene-d8  
 Concen: 30.84 ug/l  
 RT: 8.73 min Scan# 1335  
 Delta R.T. 0.00 min  
 Lab File: VX000184.D  
 Acq: 01 Mar 2018 14:56

Instrument :  
 ClientSampleId :  
 PB-2-OW

Tot Ion: 98 Resp: 151485  
 Ion Ratio Lower Upper  
 98 100  
 100 63.9 50.0 75.0

