

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\  
 Data File : VX001130.D  
 Acq On : 25 Apr 2018 19:55  
 Operator : JC/MD  
 Sample : J2464-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF017MW004-180417

Quant Time: Apr 26 05:22:24 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 20 05:03:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 253242   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 354315   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 337990   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 191506   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 176070   | 54.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.70% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 135267   | 50.07 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.14% |          |
| 50) Toluene-d8              | 8.72  | 98   | 544898   | 54.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.08% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 206571   | 49.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.54%  |          |

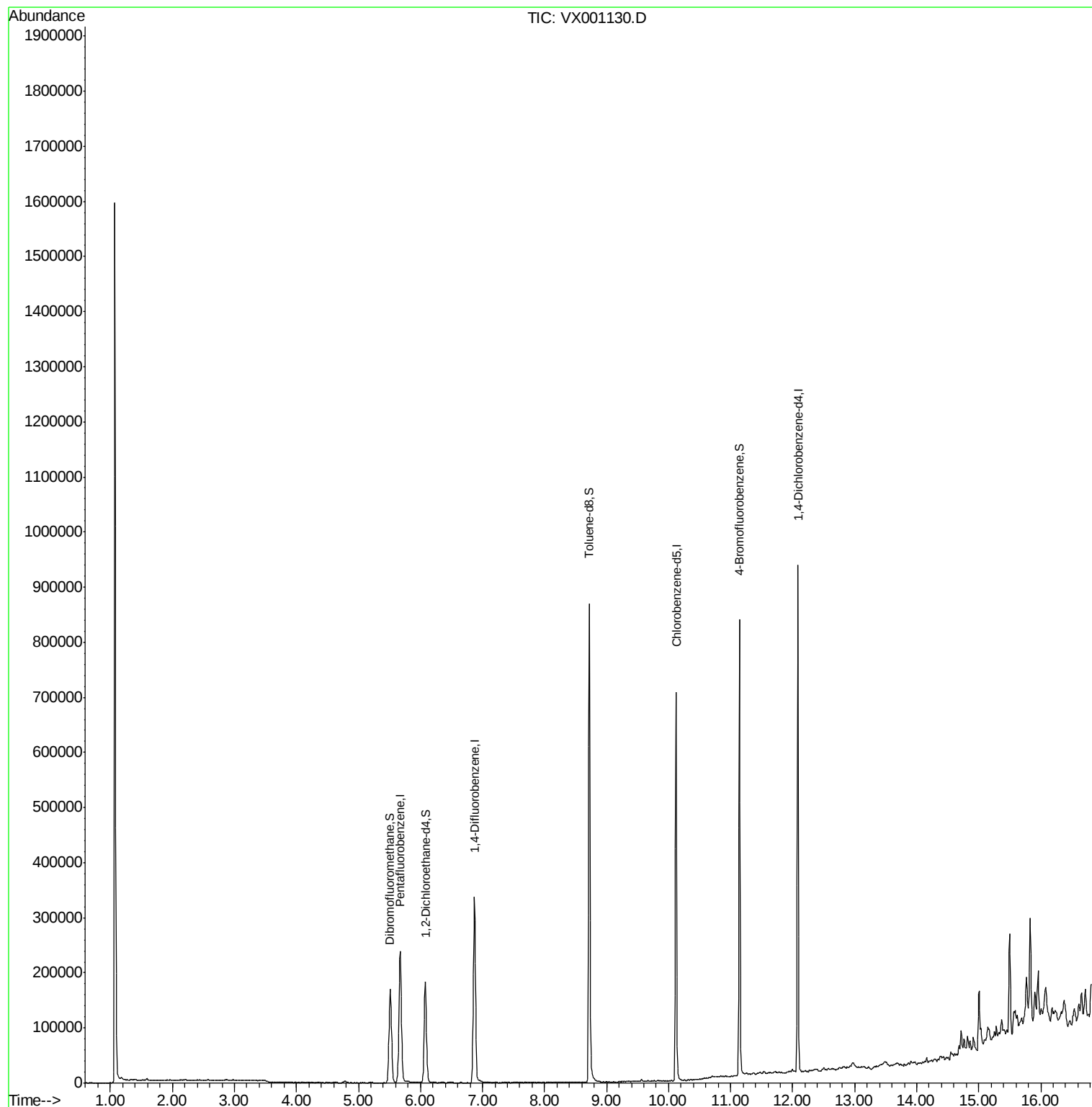
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

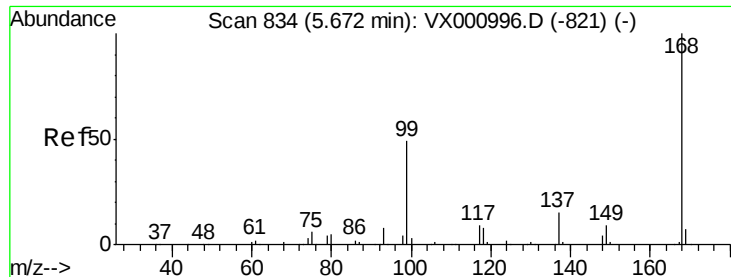
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\  
Data File : VX001130.D  
Acq On : 25 Apr 2018 19:55  
Operator : JC/MD  
Sample : J2464-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF017MW004-180417

Quant Time: Apr 26 05:22:24 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 20 05:03:28 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

Instrument :

MSVOA\_X

ClientSampleId :

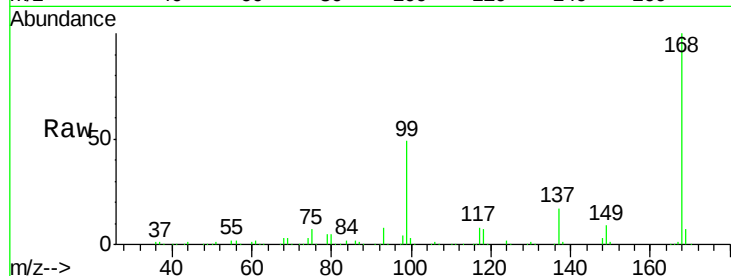
LF017MW004-180417

Tot Ion:168 Resp: 253242

Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

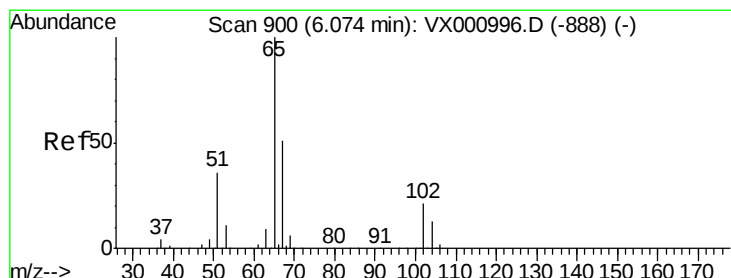
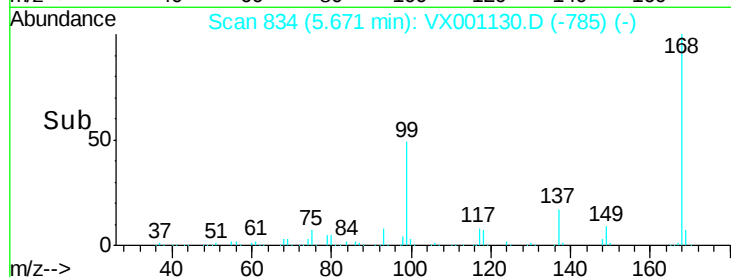
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#33

1,2-Dichloroethane-d4

Concen: 54.85 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001130.D

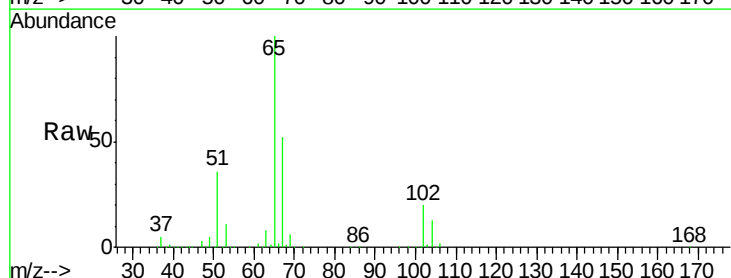
Acq: 25 Apr 2018 19:55

Tgt Ion: 65 Resp: 176070

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.08

80000

60000

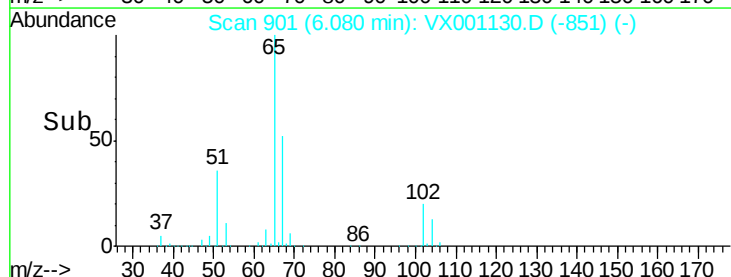
40000

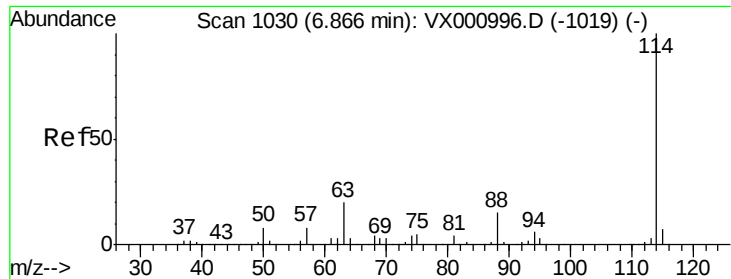
20000

0

Time-->

6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

Instrument :

MSVOA\_X

ClientSampleId :

LF017MW004-180417

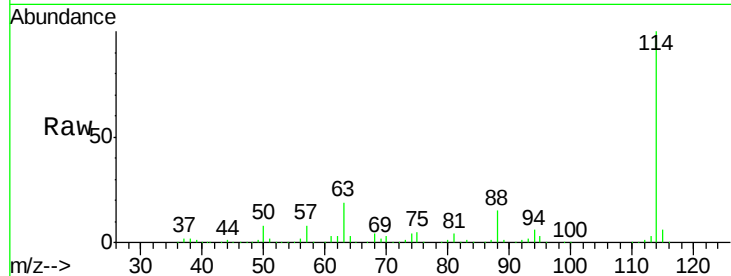
Tot Ion:114 Resp: 354315

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

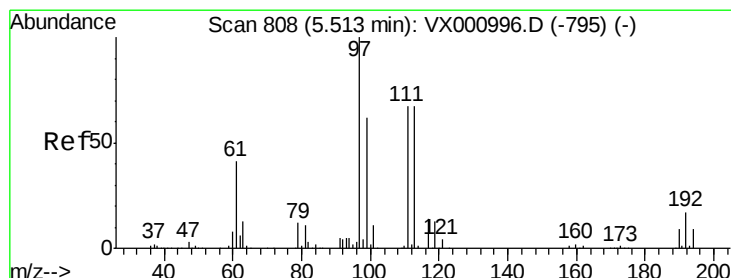
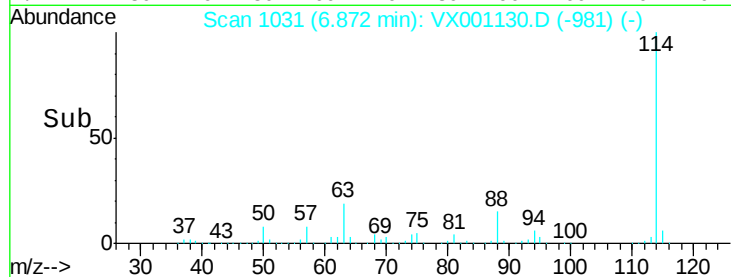
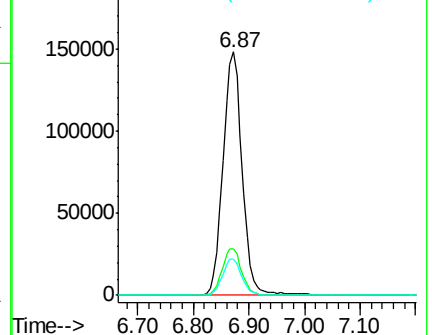
88 15.0 0.0 29.8



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: 50.07 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

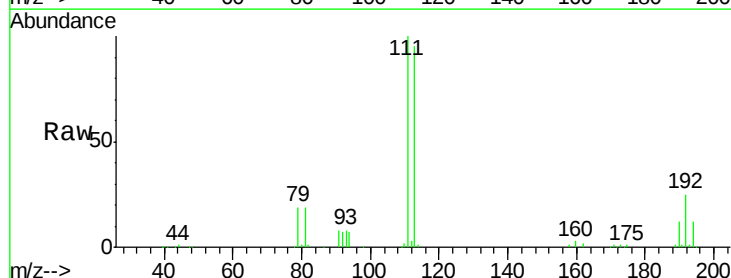
Tgt Ion:113 Resp: 135267

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.2

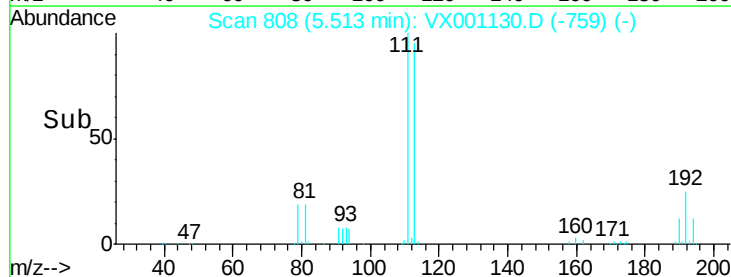
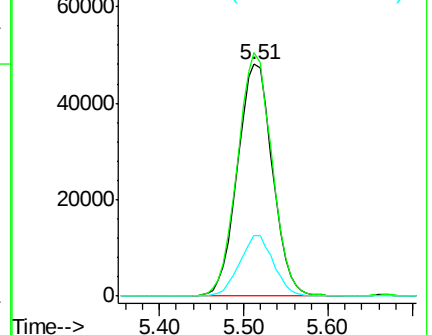
192 25.4 20.4 30.6

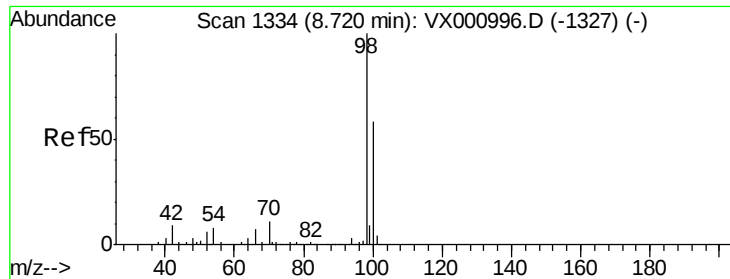


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

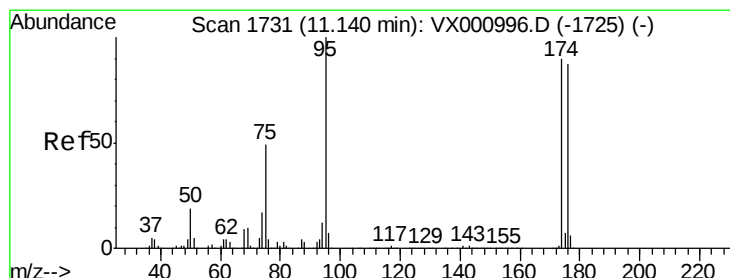
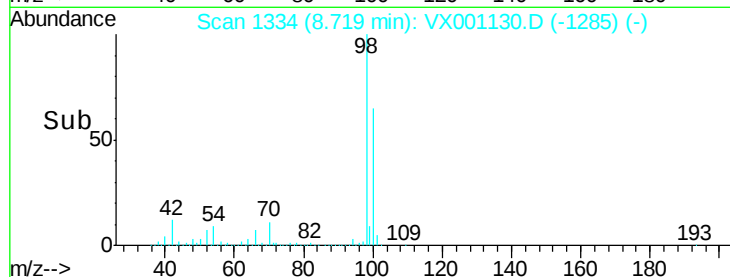
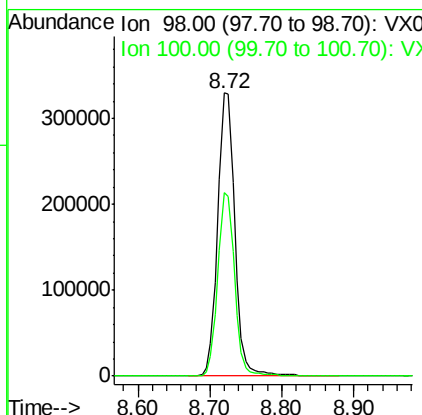
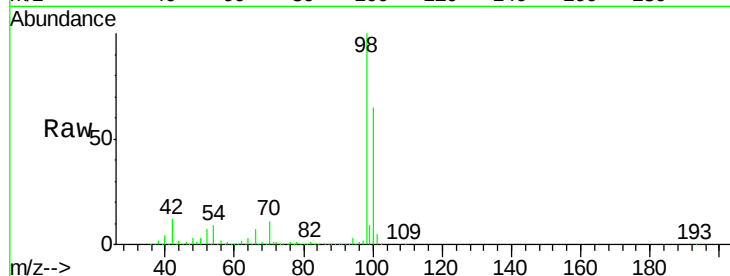




#50  
Toluene-d8  
Concen: 54.54 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX001130.D  
Acq: 25 Apr 2018 19:55

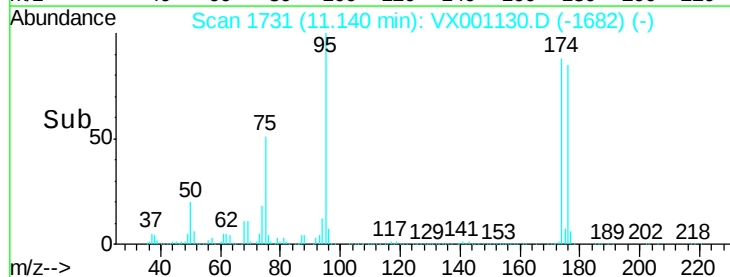
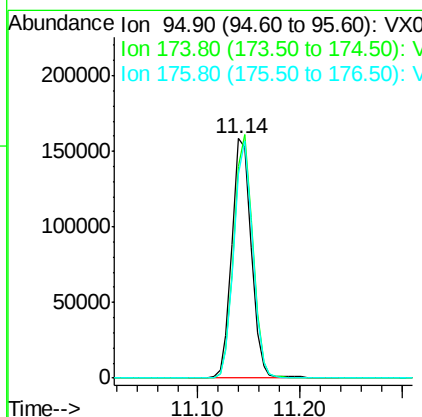
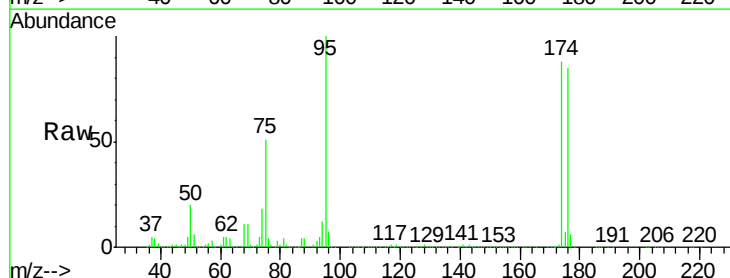
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF017MW004-180417

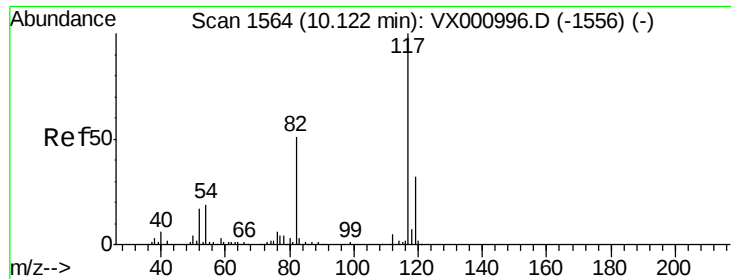
Tot Ion: 98 Resp: 544898  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 49.27 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX001130.D  
Acq: 25 Apr 2018 19:55

Tgt Ion: 95 Resp: 206571  
Ion Ratio Lower Upper  
95 100  
174 98.9 0.0 198.4  
176 95.8 0.0 192.0

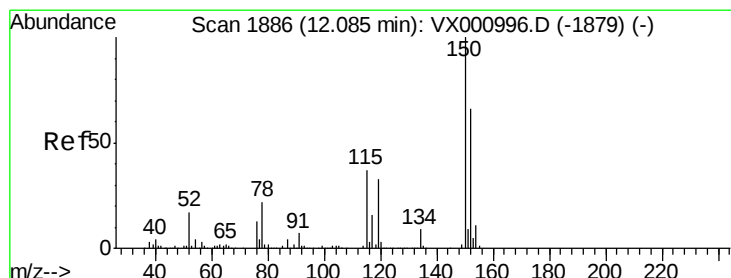
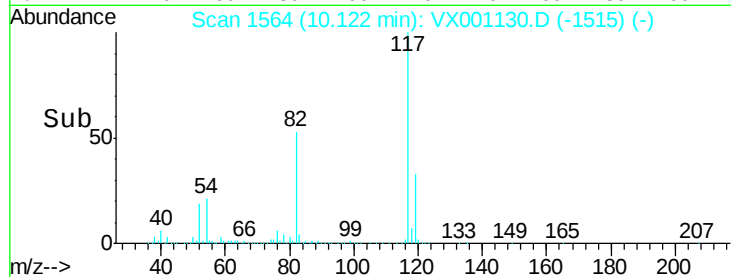
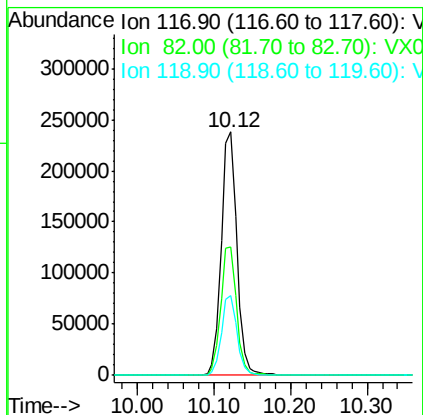
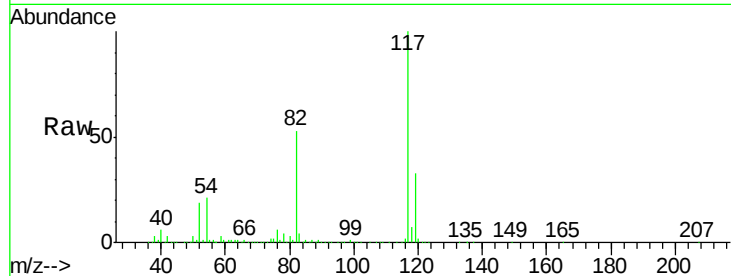




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX001130.D  
Acq: 25 Apr 2018 19:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF017MW004-180417

Tot Ion:117 Resp: 337990  
Ion Ratio Lower Upper  
117 100  
82 52.7 40.6 60.8  
119 32.8 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX001130.D  
Acq: 25 Apr 2018 19:55

Tgt Ion:152 Resp: 191506  
Ion Ratio Lower Upper  
152 100  
115 53.4 38.2 114.6  
150 155.6 0.0 350.4

