

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\  
 Data File : VX002271.D  
 Acq On : 04 Jun 2018 20:07  
 Operator : JC/MD  
 Sample : J3234-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0053

Quant Time: Jun 05 05:59:55 2018  
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 256768   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 370802   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 340844   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 191471   | 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   | 179771   | 48.88 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.76% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 130114   | 44.62 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.24% |          |
| 50) Toluene-d8              | 8.72  | 98   | 532975   | 47.69 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.38% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 189300   | 43.92 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.84% |          |

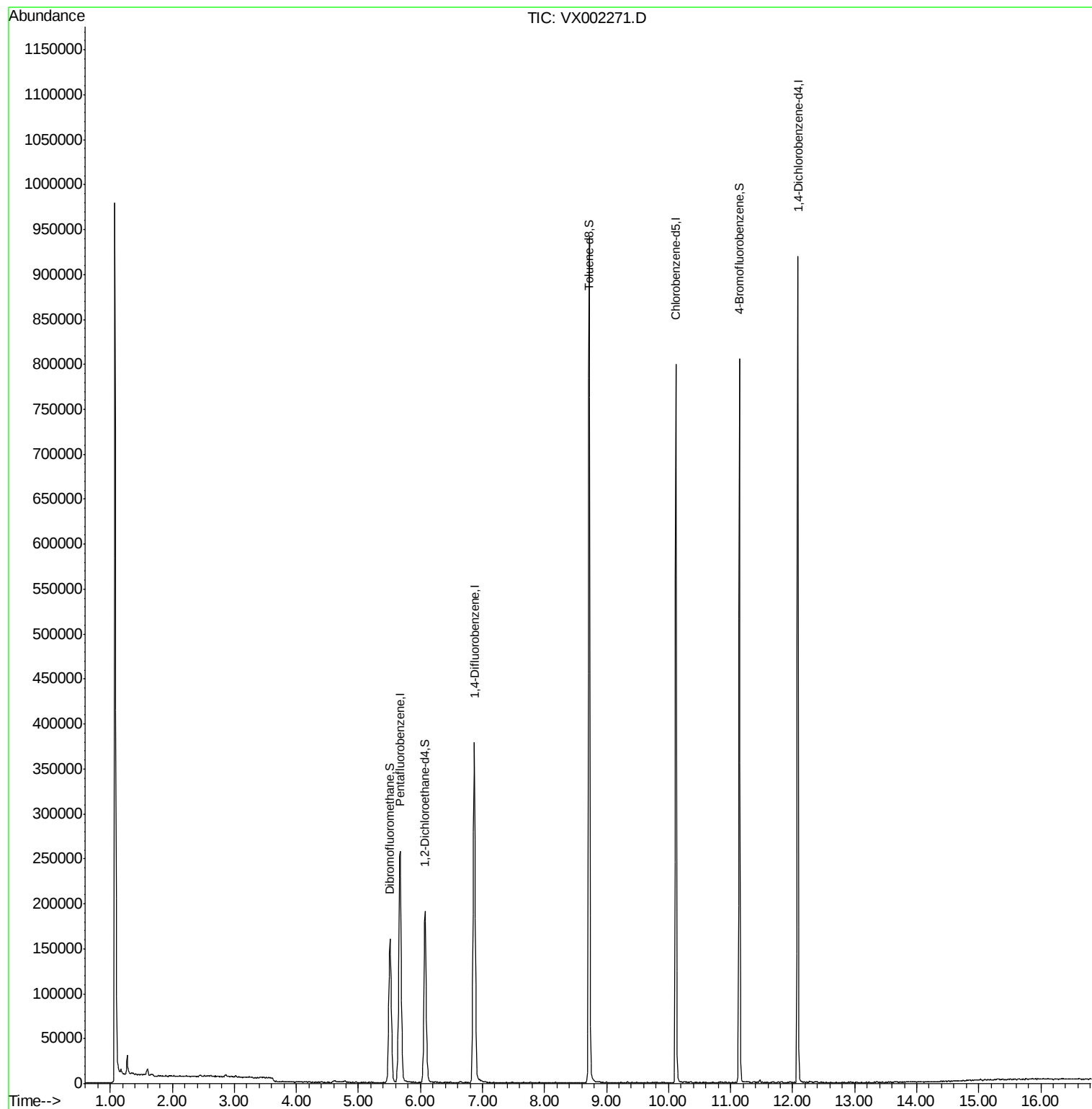
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

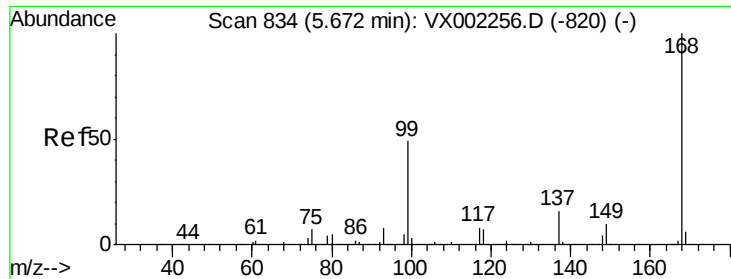
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002271.D

Acq: 04 Jun 2018 20:07

Instrument :

MSVOA\_X

ClientSampleId :

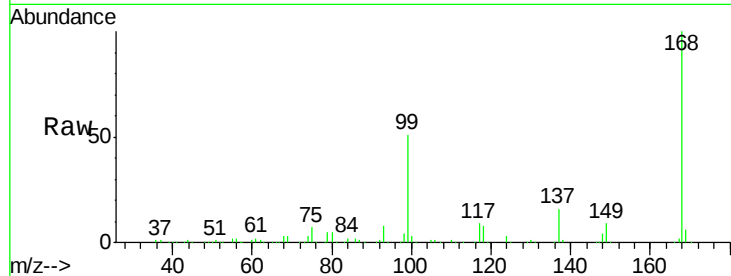
LF6-0053

Tot Ion:168 Resp: 256768

Ion Ratio Lower Upper

168 100

99 50.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

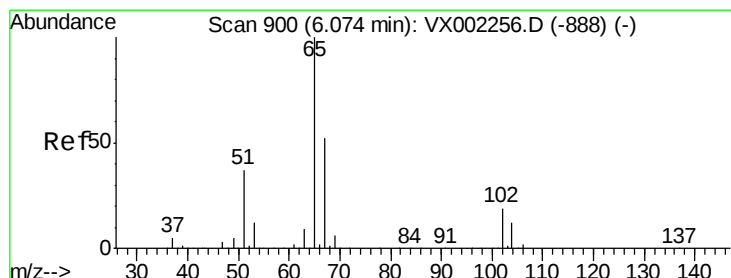
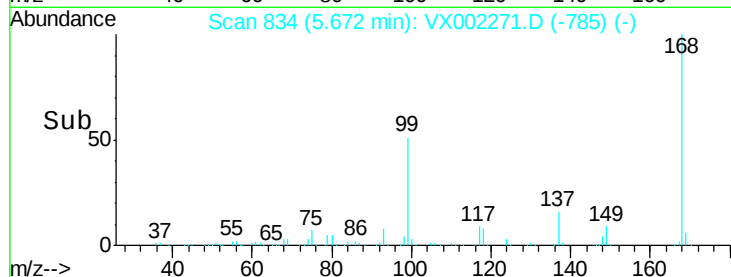
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.883 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002271.D

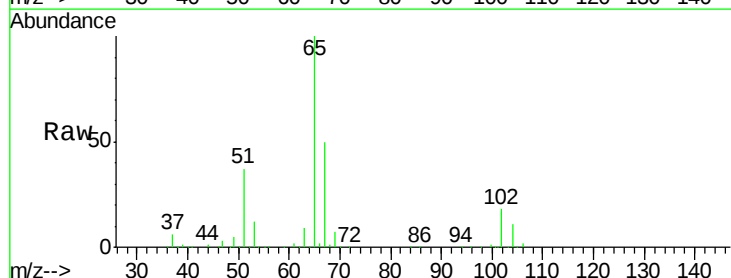
Acq: 04 Jun 2018 20:07

Tgt Ion: 65 Resp: 179771

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

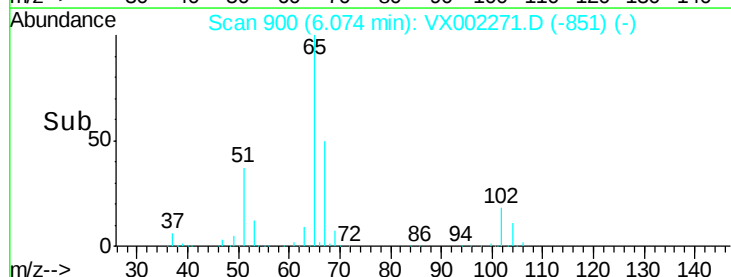
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20 6.30





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002271.D

Acq: 04 Jun 2018 20:07

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0053

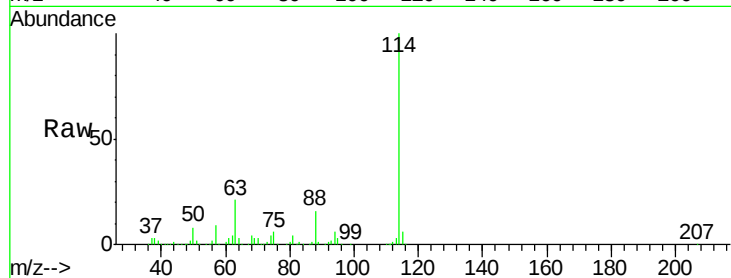
Tot Ion:114 Resp: 370802

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

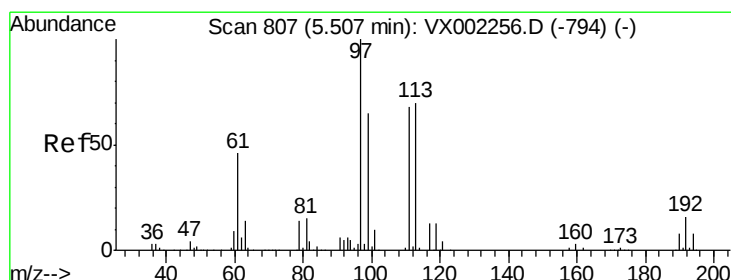
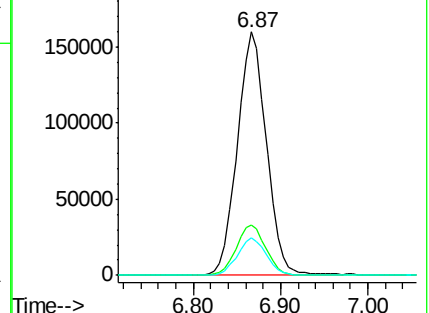
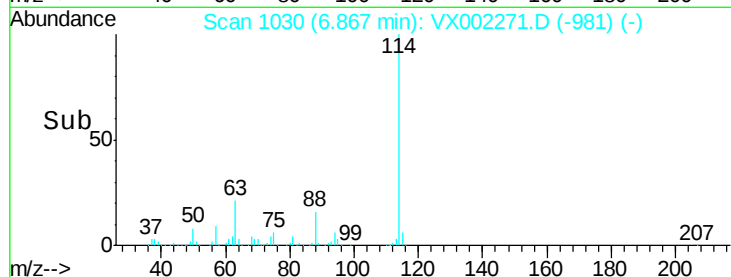
88 15.6 0.0 30.0



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: 44.620 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002271.D

Acq: 04 Jun 2018 20:07

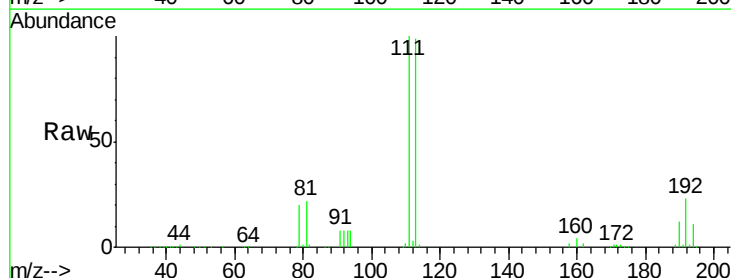
Tgt Ion:113 Resp: 130114

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

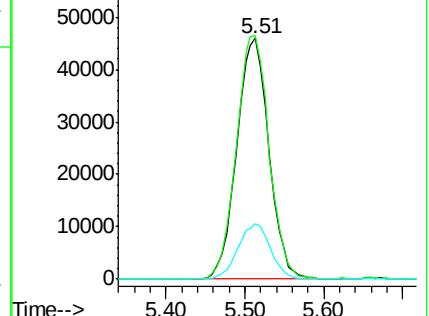
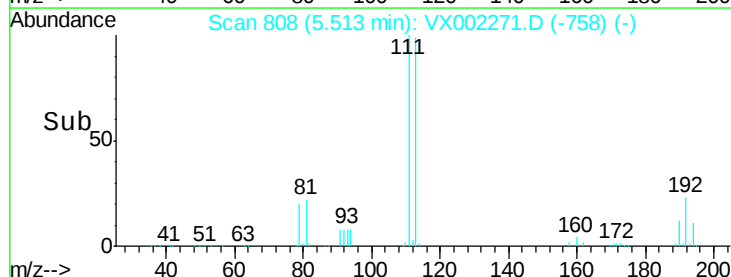
192 23.1 19.1 28.7

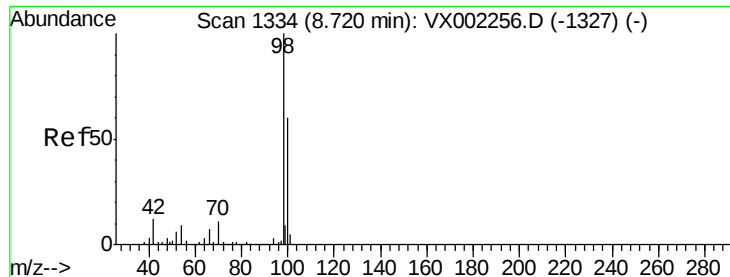


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.685 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002271.D

Acq: 04 Jun 2018 20:07

Instrument :

MSVOA\_X

ClientSampleId :

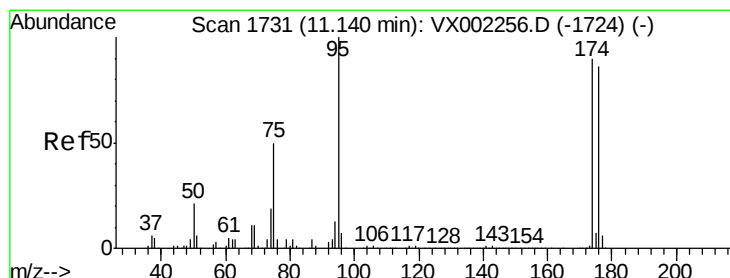
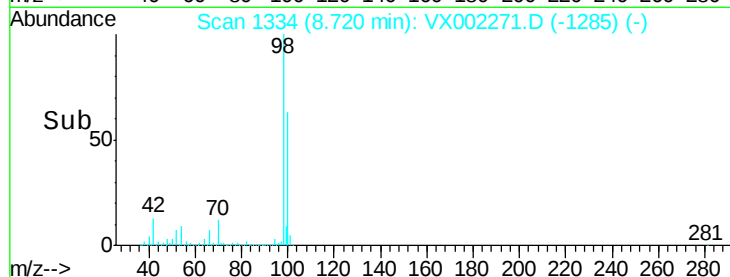
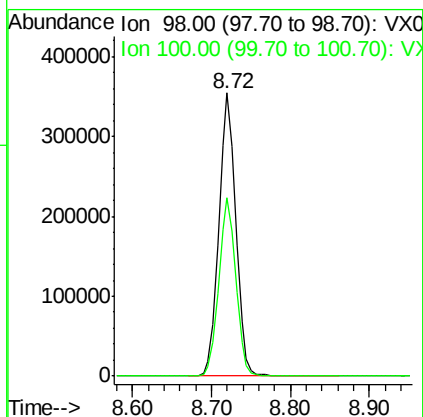
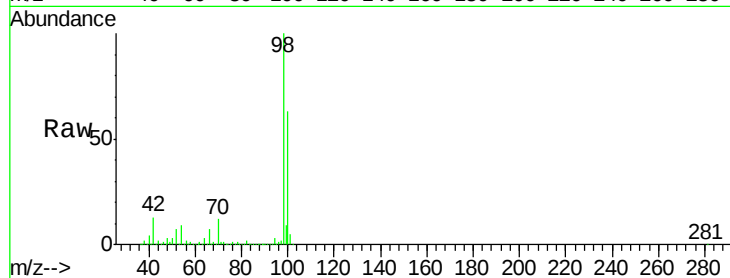
LF6-0053

Tot Ion: 98 Resp: 532975

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 43.921 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002271.D

Acq: 04 Jun 2018 20:07

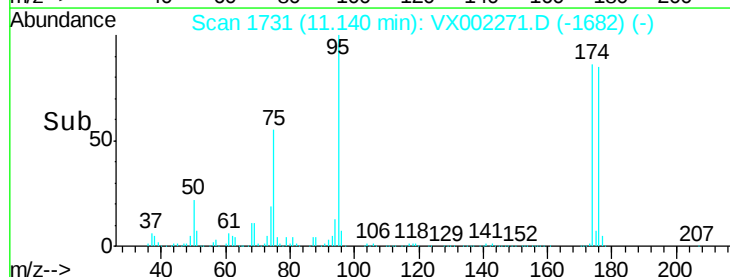
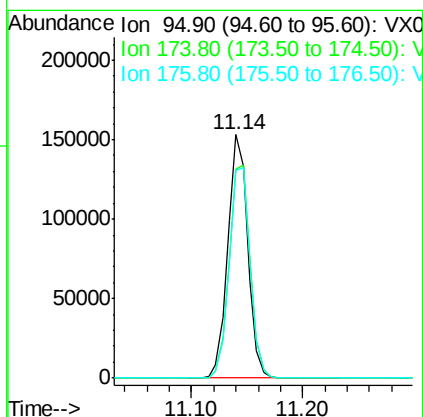
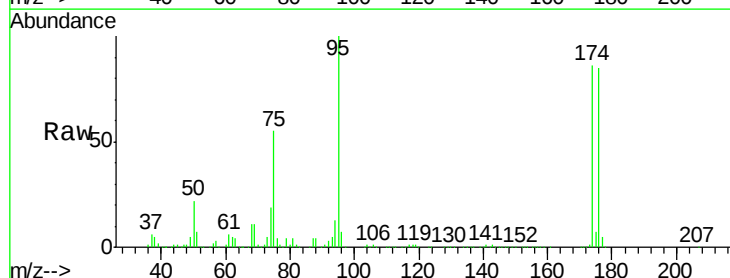
Tgt Ion: 95 Resp: 189300

Ion Ratio Lower Upper

95 100

174 92.0 0.0 187.4

176 90.8 0.0 181.0

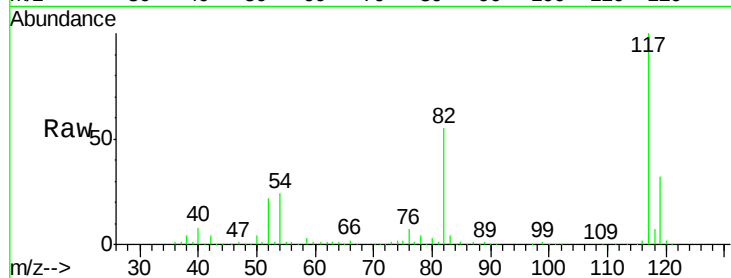




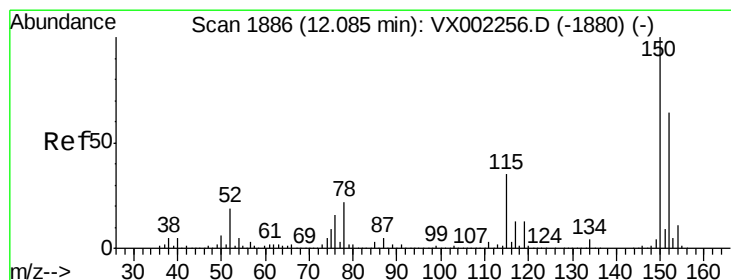
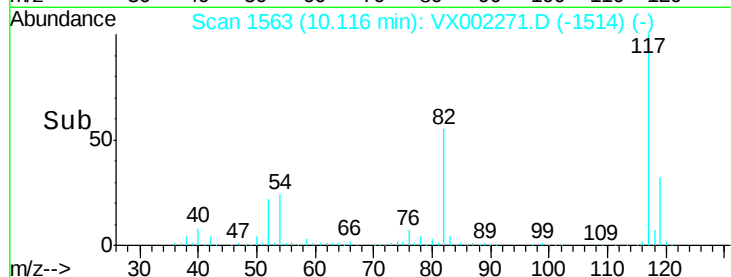
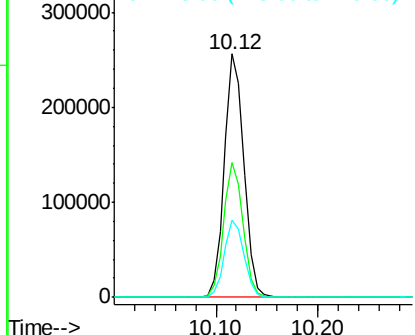
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002271.D  
Acq: 04 Jun 2018 20:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0053

Tot Ion:117 Resp: 340844  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.0 67.4  
119 31.6 25.8 38.6

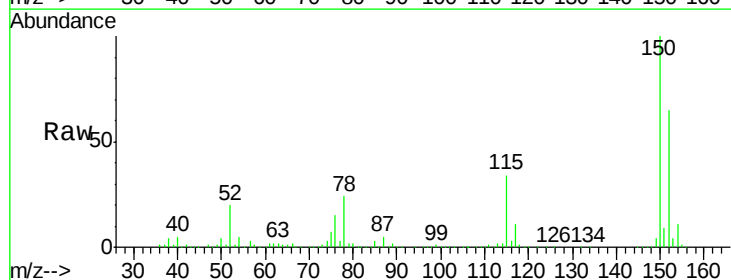


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX002271.D  
Acq: 04 Jun 2018 20:07

Tgt Ion:152 Resp: 191471  
Ion Ratio Lower Upper  
152 100  
115 55.0 40.1 120.2  
150 155.5 0.0 347.2



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

