

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\  
 Data File : VX000590.D  
 Acq On : 31 Mar 2018 14:02  
 Operator : JC/MD  
 Sample : J2142-06 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

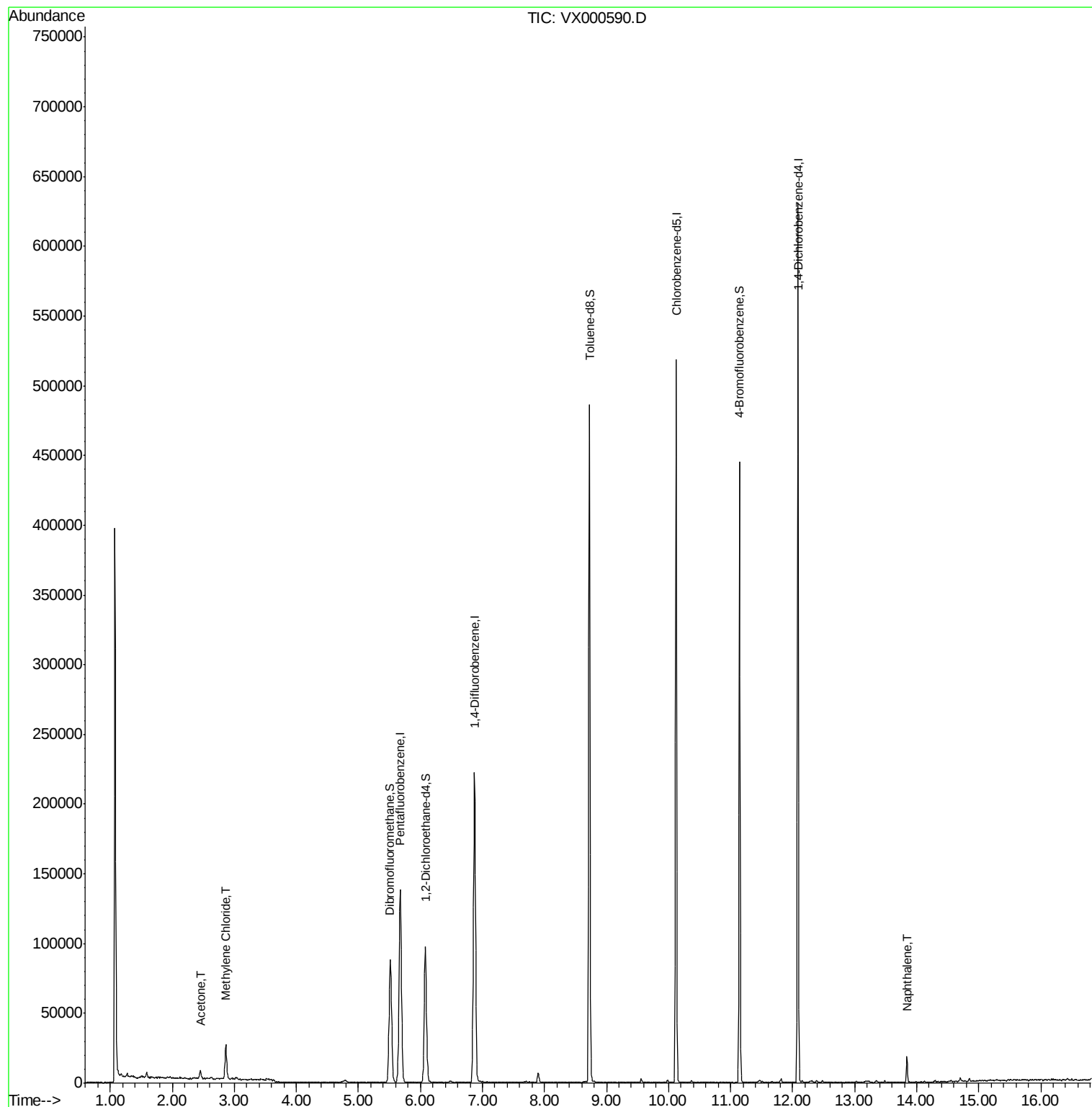
Quant Time: Apr 02 06:24:06 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|---------|-------------|
| 1) Pentafluorobenzene       | 5.68  | 168  | 129057   | 50.00 | ug/l    | 0.00        |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 219715   | 50.00 | ug/l    | 0.00        |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 216781   | 50.00 | ug/l    | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 116677   | 50.00 | ug/l    | 0.00        |
| System Monitoring Compounds |       |      |          |       |         |             |
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 89155    | 52.92 | ug/l    | 0.00        |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.84% |             |
| 35) Dibromofluoromethane    | 5.51  | 113  | 67898    | 49.05 | ug/l    | 0.00        |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.10%  |             |
| 50) Toluene-d8              | 8.73  | 98   | 275305   | 48.02 | ug/l    | 0.00        |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.04%  |             |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 99775    | 42.27 | ug/l    | 0.00        |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.54%  |             |
| Target Compounds            |       |      |          |       |         |             |
| 16) Acetone                 | 2.45  | 43   | 6119     | 4.37  | ug/l    | Qvalue # 83 |
| 20) Methylene Chloride      | 2.87  | 84   | 11213    | 6.93  | ug/l    | 91          |
| 95) Naphthalene             | 13.84 | 128  | 9940     | 1.04  | ug/l    | 98          |

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

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QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000590.D

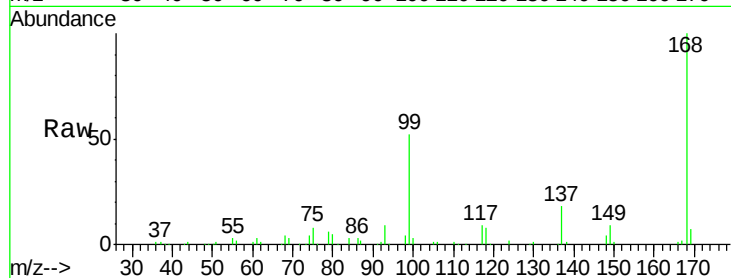
Acq: 31 Mar 2018 14:02

Tot Ion:168 Resp: 129057

Ion Ratio Lower Upper

168 100

99 51.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

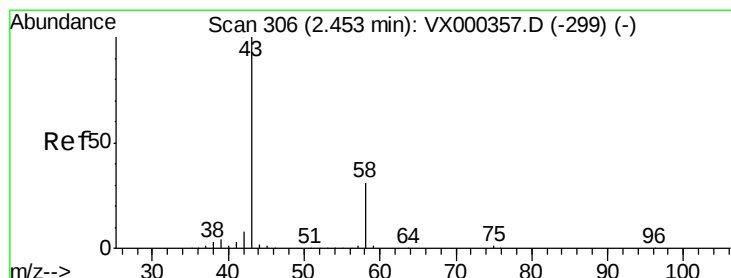
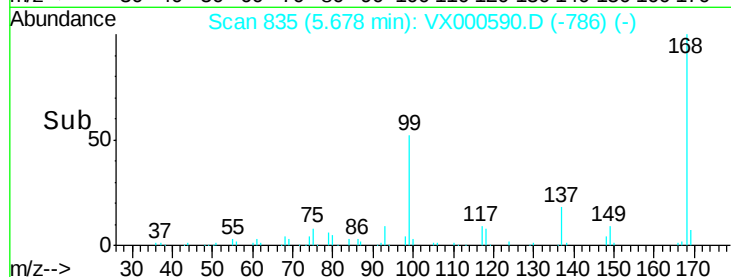
20000

10000

0

5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 4.37 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000590.D

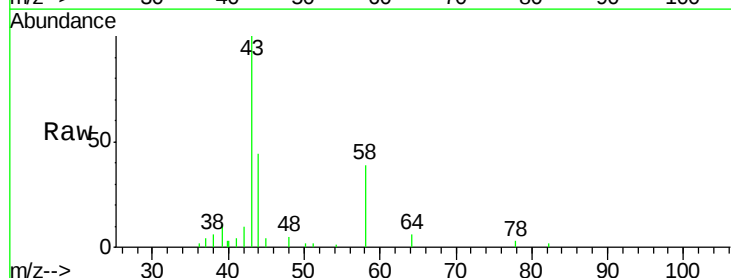
Acq: 31 Mar 2018 14:02

Tgt Ion: 43 Resp: 6119

Ion Ratio Lower Upper

43 100

58 40.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

3000

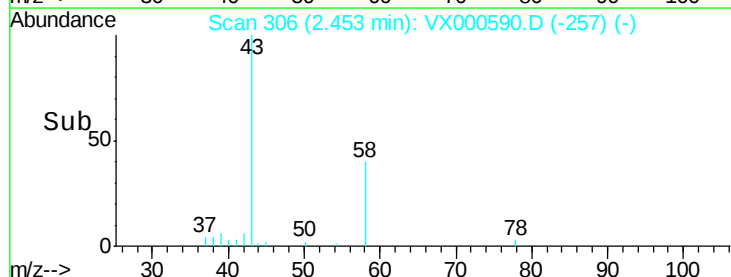
2000

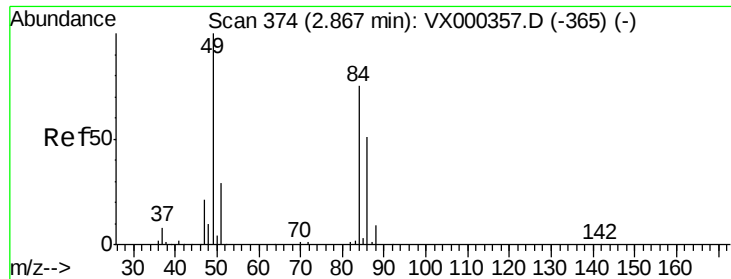
1000

0

2.40 2.45 2.50

Time-->





#20

Methylene Chloride

Concen: 6.93 ug/l

RT: 2.87 min Scan# 374

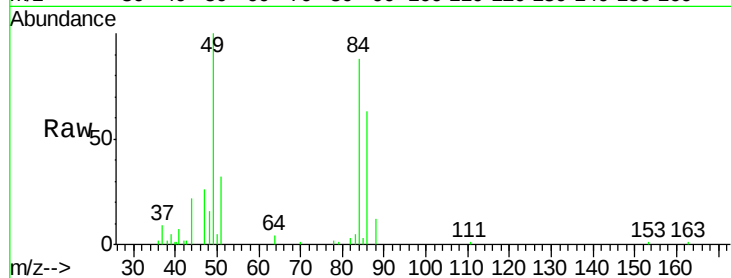
Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Tot Ion: 84 Resp: 11213

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 113.7 | 100.6 | 151.0 |
| 51  | 36.3  | 31.6  | 47.4  |
| 86  | 71.6  | 52.6  | 78.8  |

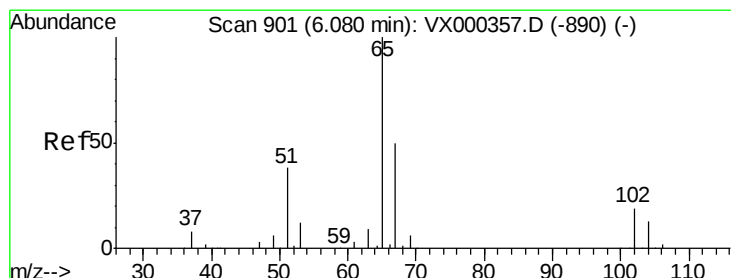
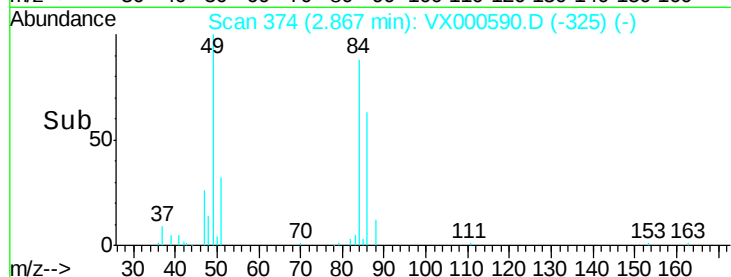


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.92 ug/l

RT: 6.08 min Scan# 901

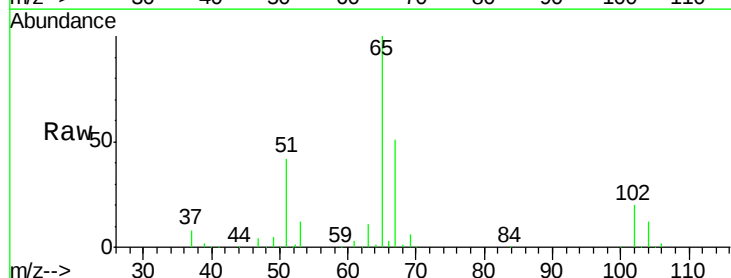
Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

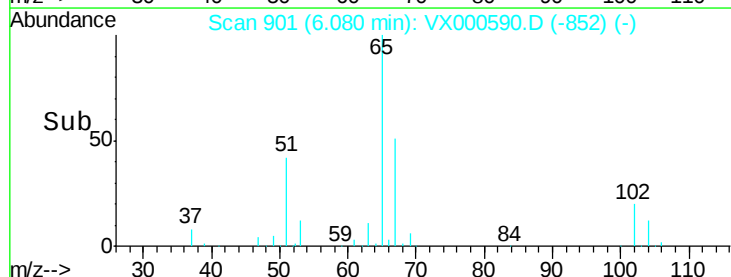
Tgt Ion: 65 Resp: 89155

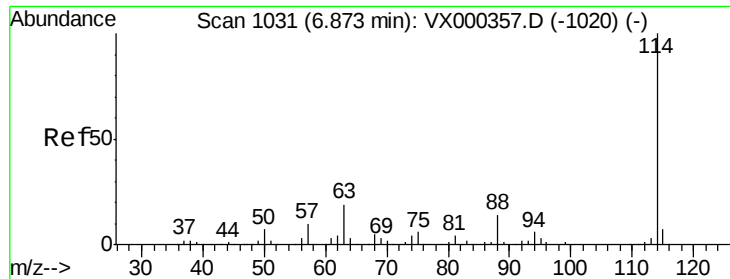
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 50.9  | 0.0   | 103.2 |



Abundance Ion 64.90 (64.60 to 65.60): VX0

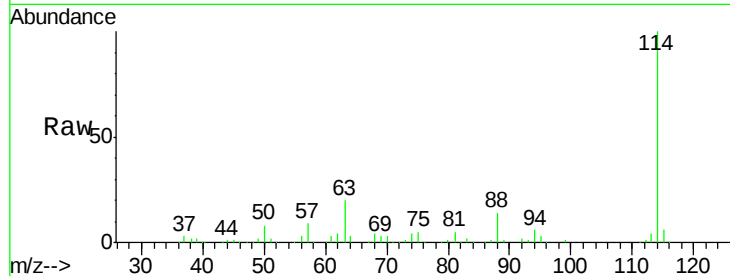
Ion 66.90 (66.60 to 67.60): VX0



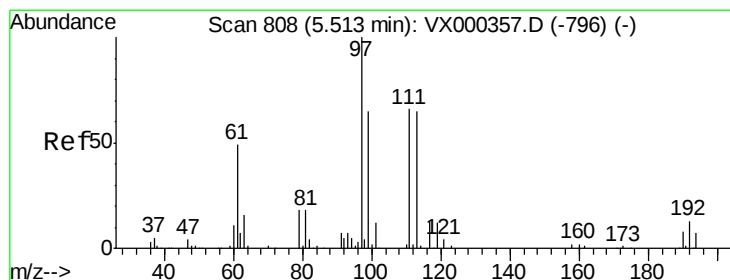
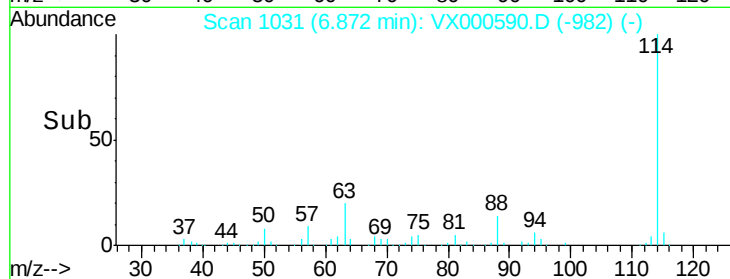
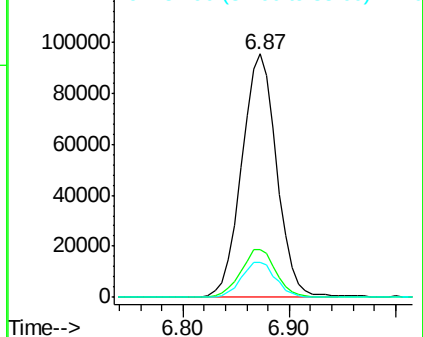


#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1031  
 Delta R.T. -0.00 min  
 Lab File: VX000590.D  
 Acq: 31 Mar 2018 14:02

Tot Ion:114 Resp: 219715  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 38.4  
 88 14.2 0.0 27.0

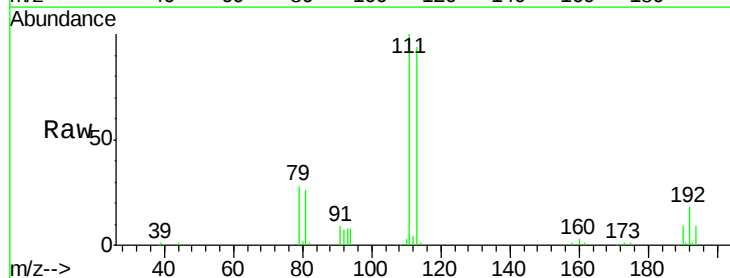


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX  
 Ion 87.90 (87.60 to 88.60): VX

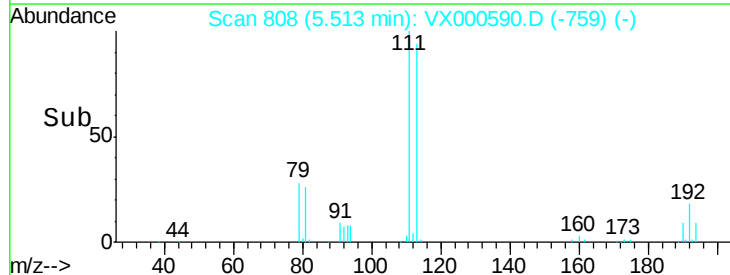
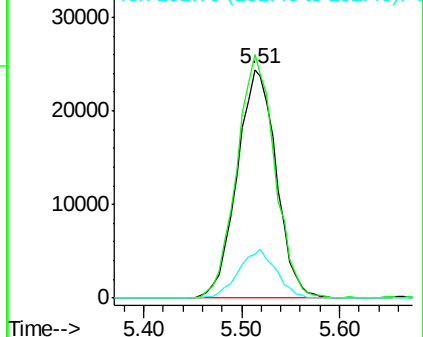


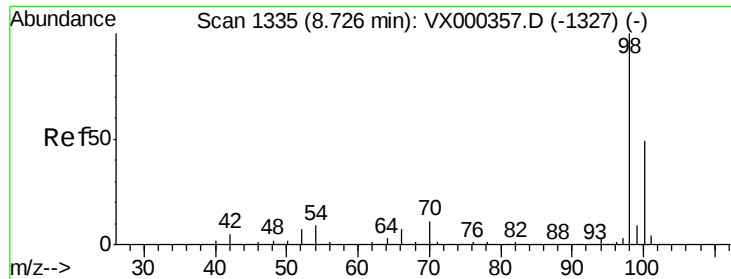
#35  
 Dibromofluoromethane  
 Concen: 49.05 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX000590.D  
 Acq: 31 Mar 2018 14:02

Tgt Ion:113 Resp: 67898  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.4 123.6  
 192 20.8 15.8 23.6



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: 48.02 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000590.D

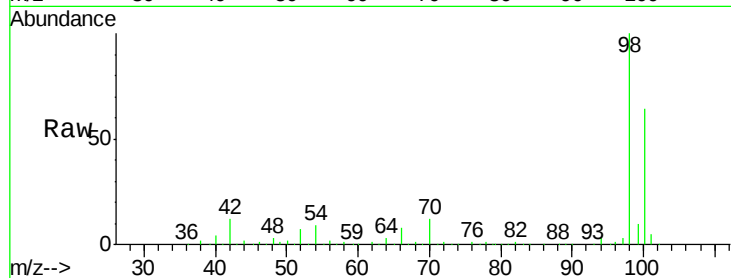
Acq: 31 Mar 2018 14:02

Tot Ion: 98 Resp: 275305

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX000357.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX000357.D (-1327) (-)

8.73

200000

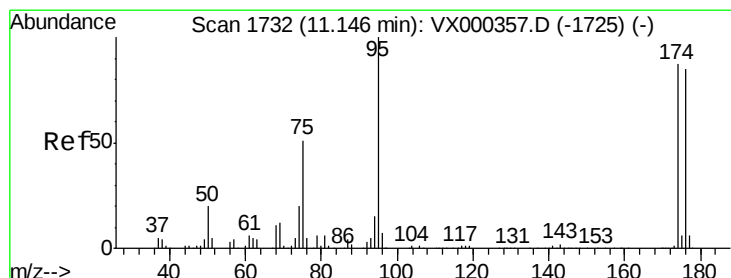
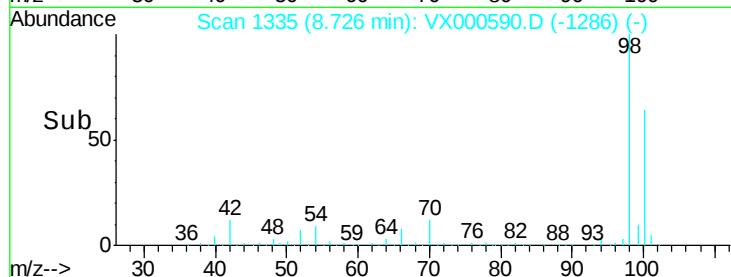
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

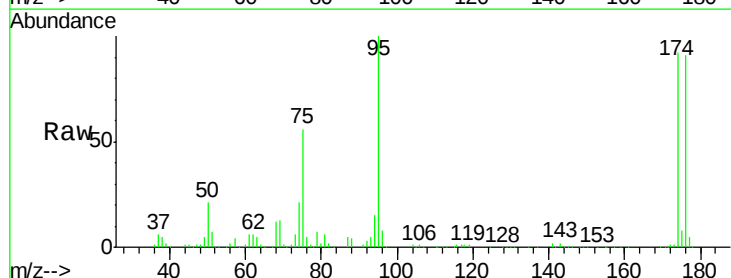
Tgt Ion: 95 Resp: 99775

Ion Ratio Lower Upper

95 100

174 89.5 0.0 173.6

176 85.3 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)

11.15

100000

80000

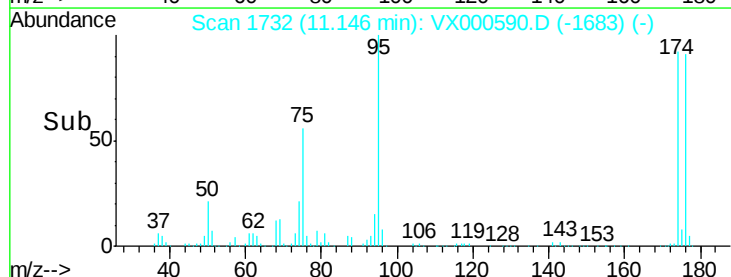
60000

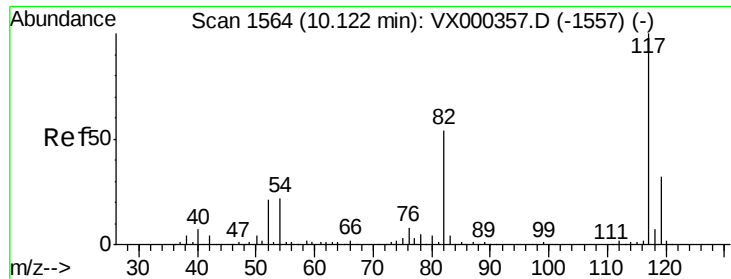
40000

20000

0

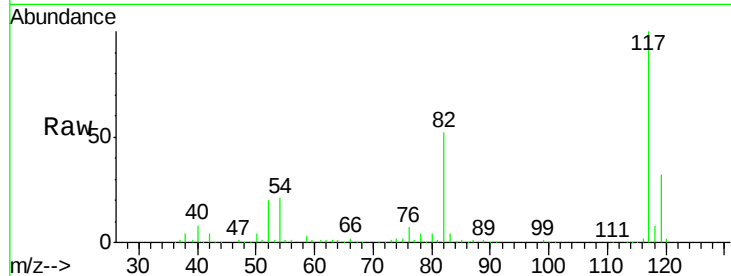
Time-->



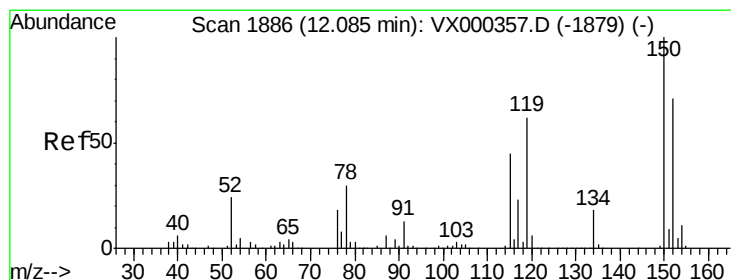
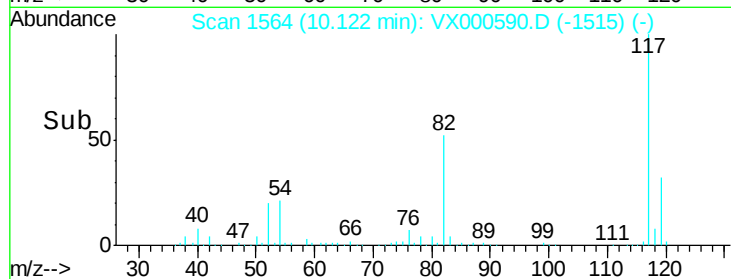
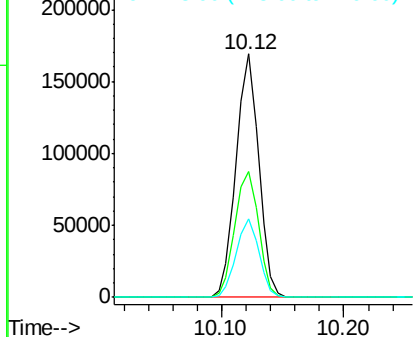


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000590.D  
Acq: 31 Mar 2018 14:02

Tot Ion:117 Resp: 216781  
Ion Ratio Lower Upper  
117 100  
82 51.8 43.8 65.8  
119 32.5 24.9 37.3

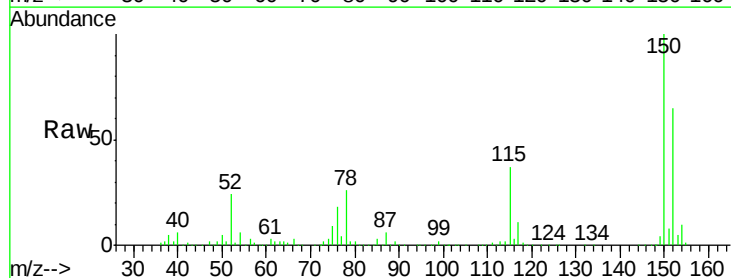


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX  
Ion 118.90 (118.60 to 119.60): V

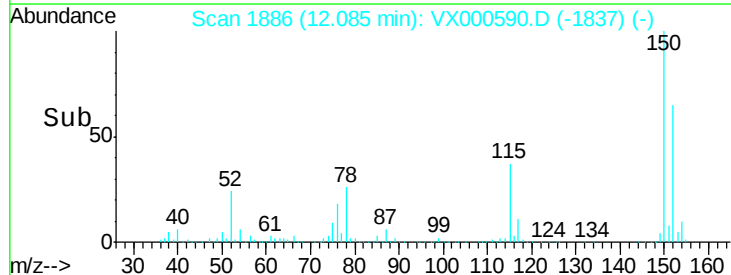
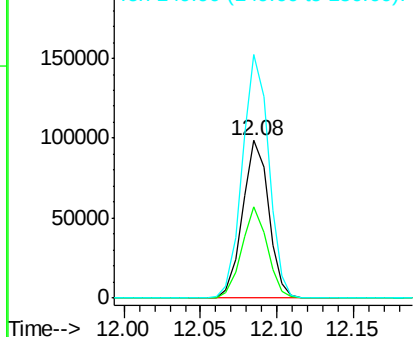


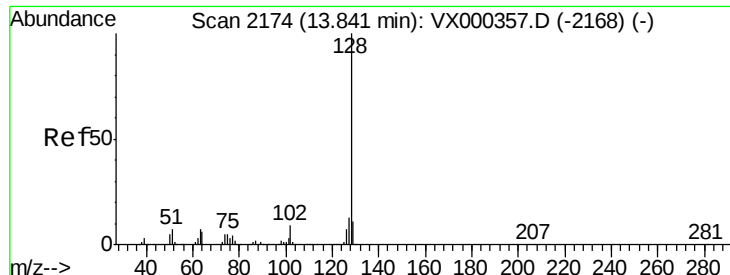
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX000590.D  
Acq: 31 Mar 2018 14:02

Tgt Ion:152 Resp: 116677  
Ion Ratio Lower Upper  
152 100  
115 56.5 39.8 119.3  
150 156.6 0.0 344.4



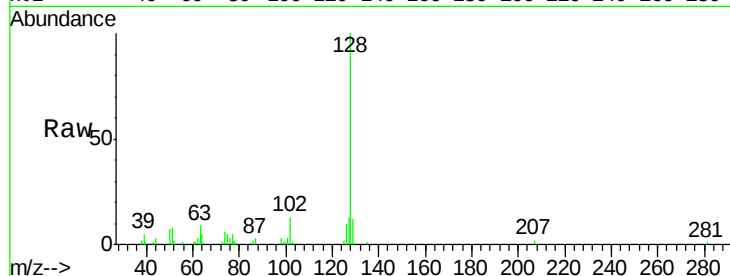
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#95  
Naphthalene  
Concen: 1.04 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. -0.00 min  
Lab File: VX000590.D  
Acq: 31 Mar 2018 14:02

Tot Ion:128 Resp: 9940  
Ion Ratio Lower Upper  
128 100  
127 14.0 10.6 15.8  
129 11.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

