

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\  
 Data File : VX002268.D  
 Acq On : 04 Jun 2018 18:47  
 Operator : JC/MD  
 Sample : J3234-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0059

Quant Time: Jun 05 05:49:35 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

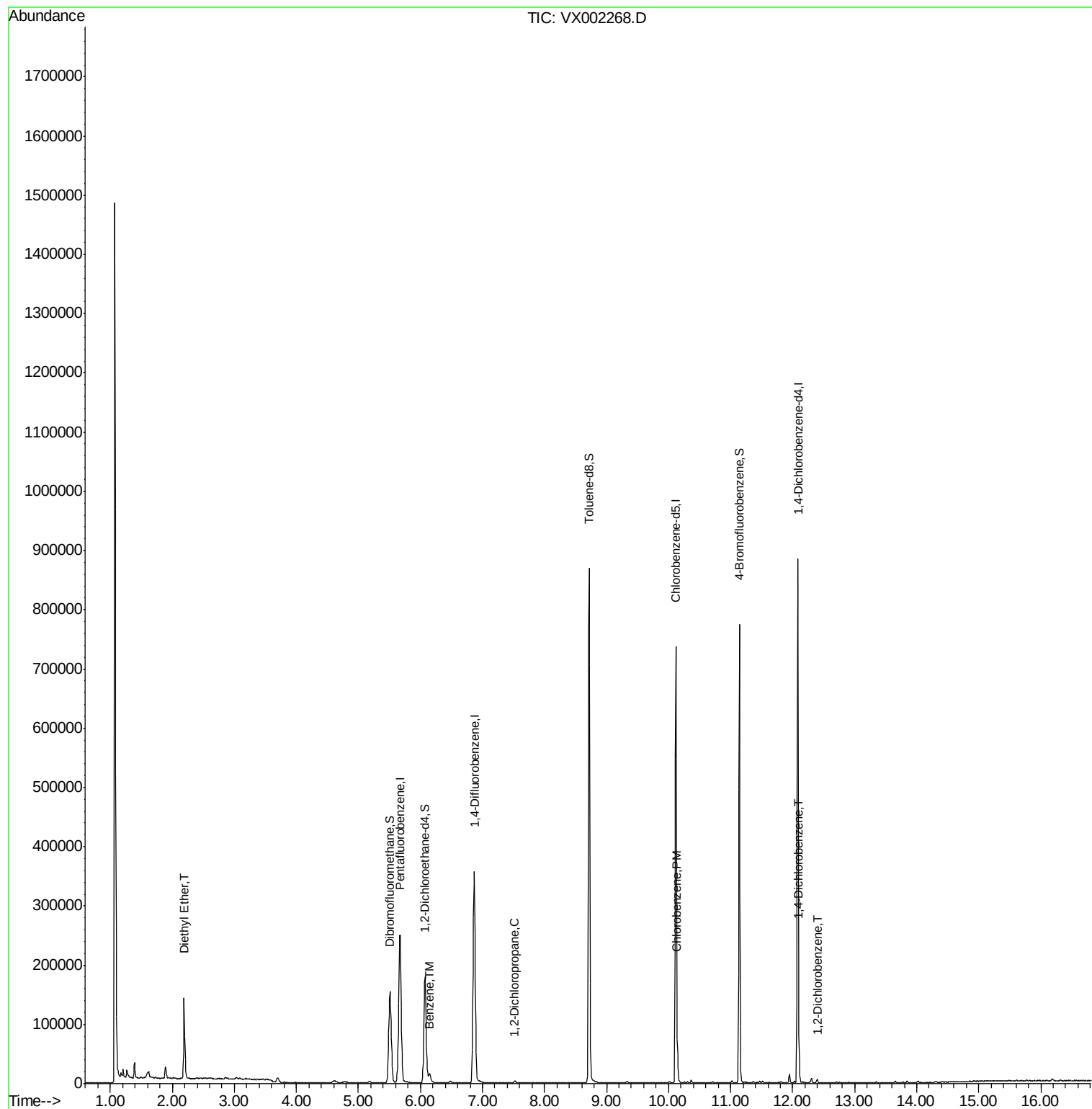
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 253954   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 357977   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 318672   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 177668   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 170750   | 46.80  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.60% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 125917   | 44.73  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.46% |          |
| 50) Toluene-d8              | 8.72  | 98   | 503448   | 46.66  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.32% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 177589   | 42.68  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.36% |          |
| Target Compounds            |       |      |          |        |        |          |
| 8) Diethyl Ether            | 2.19  | 74   | 44473    | 23.413 | ug/l   | 98       |
| 40) Benzene                 | 6.15  | 78   | 15976    | 1.385  | ug/l   | 91       |
| 45) 1,2-Dichloropropane     | 7.52  | 63   | 1214     | 0.390  | ug/l   | 93       |
| 65) Chlorobenzene           | 10.14 | 112  | 19355    | 2.441  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene     | 12.10 | 146  | 14717    | 2.301  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene     | 12.40 | 146  | 1299     | 0.202  | ug/l   | 95       |

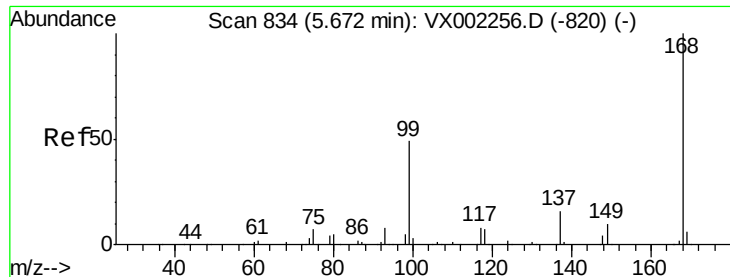
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060418\  
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Quant Method : Y:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
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QLast Update : Tue Jun 05 03:22:35 2018  
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: VX002268.D

Acq: 04 Jun 2018 18:47

Instrument :

MSVOA\_X

ClientSampleId :

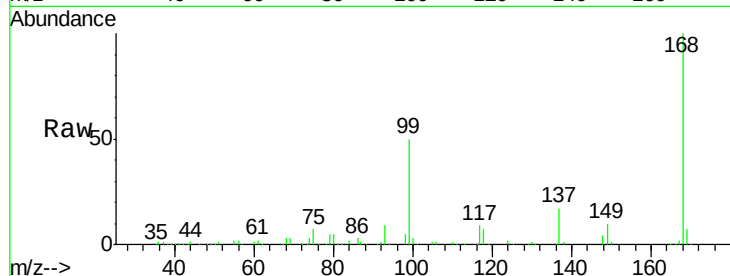
LF6-0059

Tot Ion:168 Resp: 253954

Ion Ratio Lower Upper

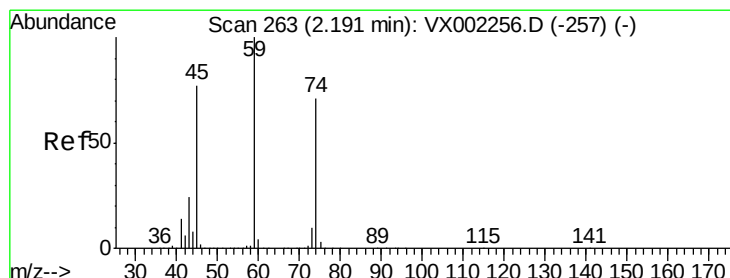
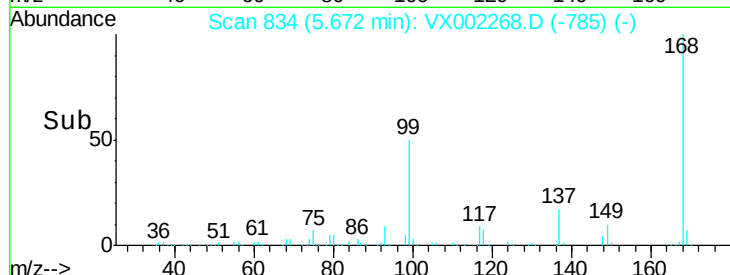
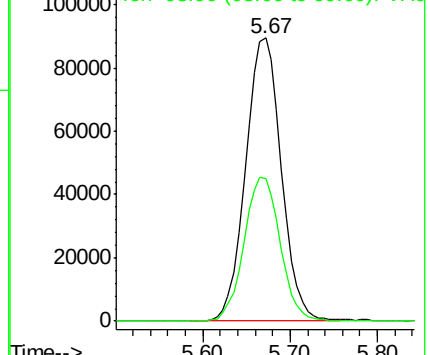
168 100

99 50.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 23.413 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002268.D

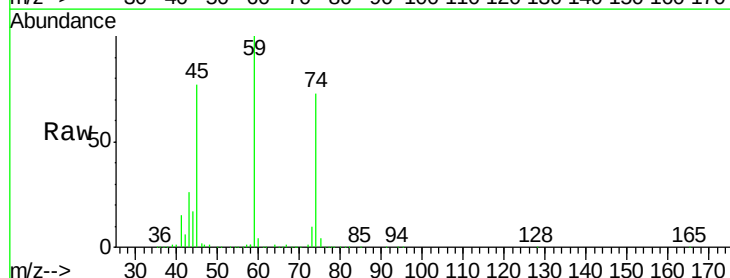
Acq: 04 Jun 2018 18:47

Tgt Ion: 74 Resp: 44473

Ion Ratio Lower Upper

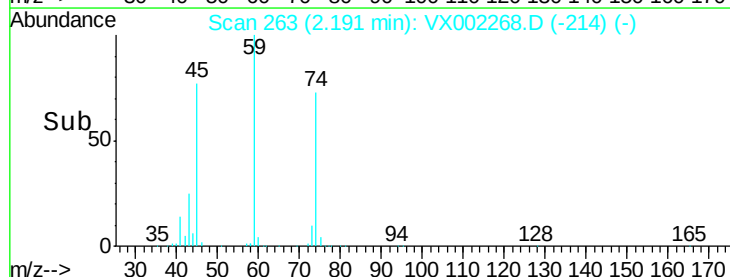
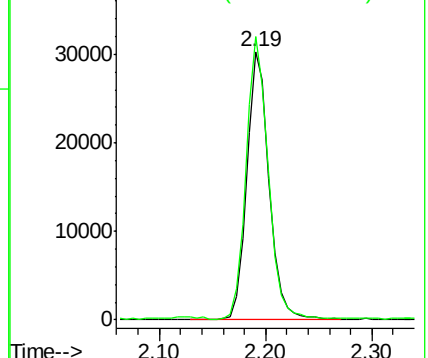
74 100

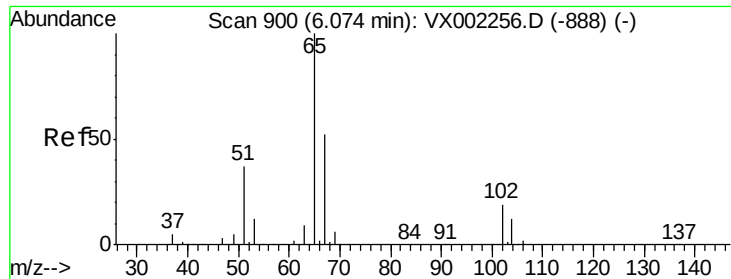
45 104.2 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

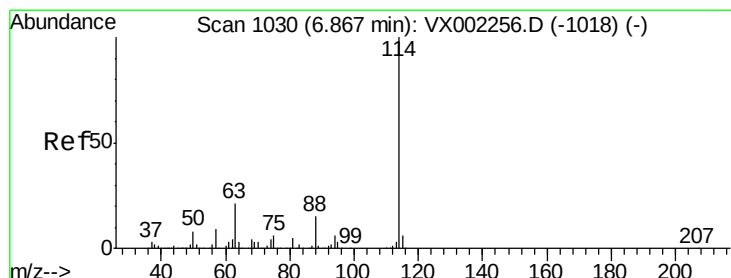
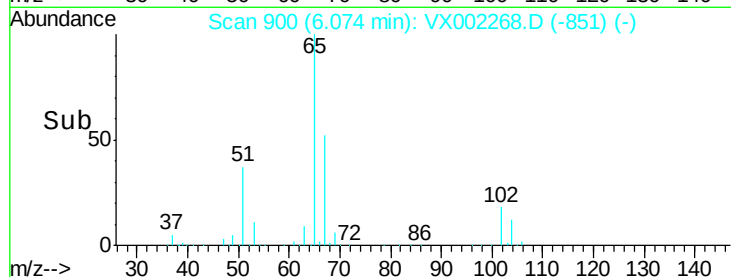
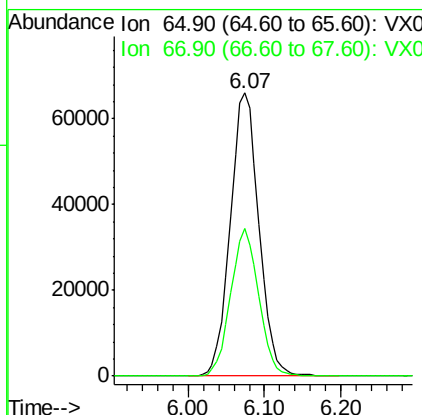
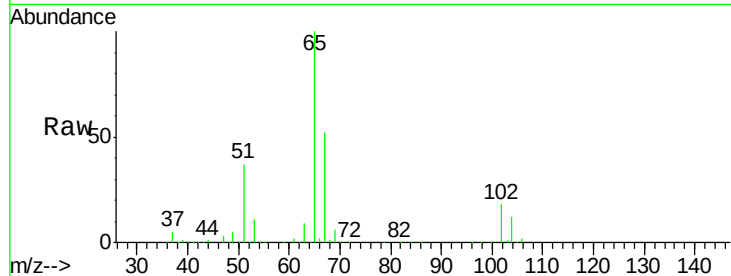




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.797 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX002268.D  
 Acq: 04 Jun 2018 18:47

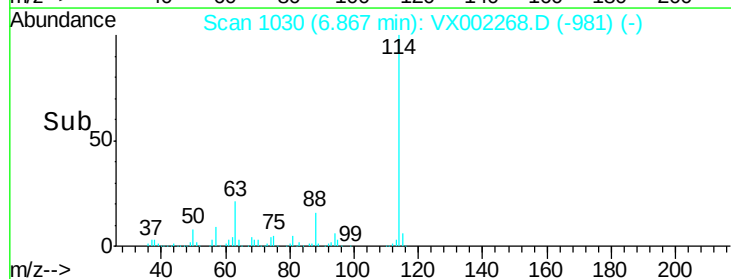
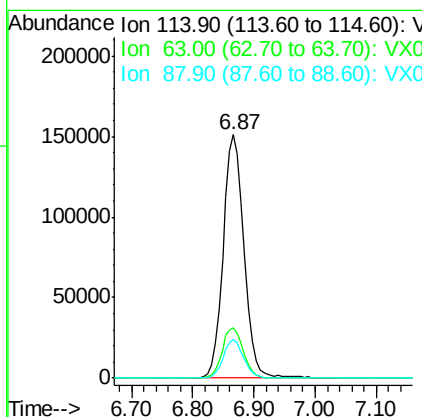
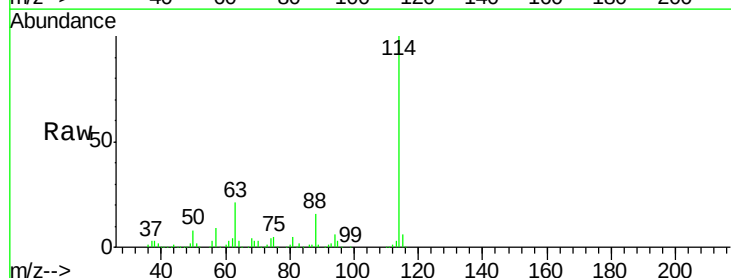
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 LF6-0059

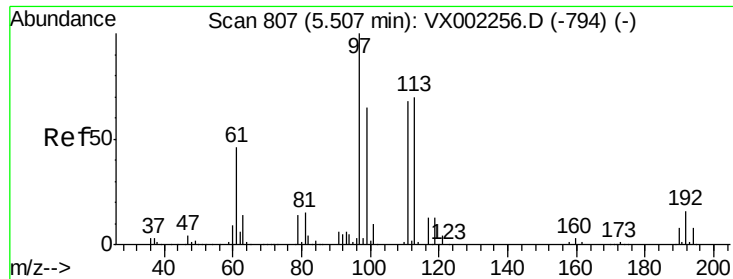
Tot Ion: 65 Resp: 170750  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002268.D  
 Acq: 04 Jun 2018 18:47

Tgt Ion: 114 Resp: 357977  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 41.4  
 88 15.8 0.0 30.0

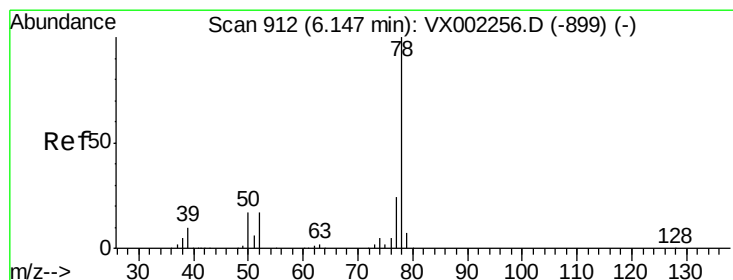
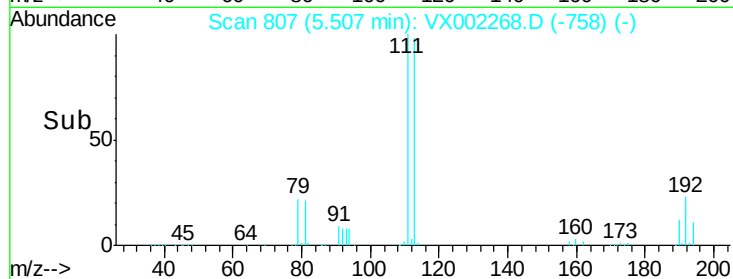
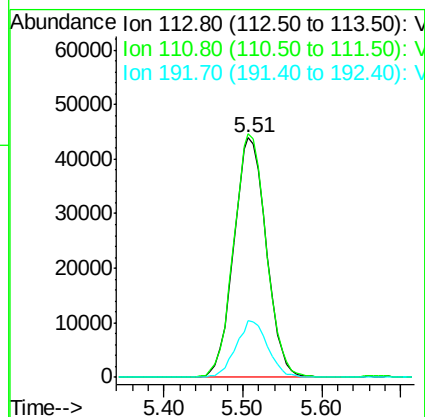
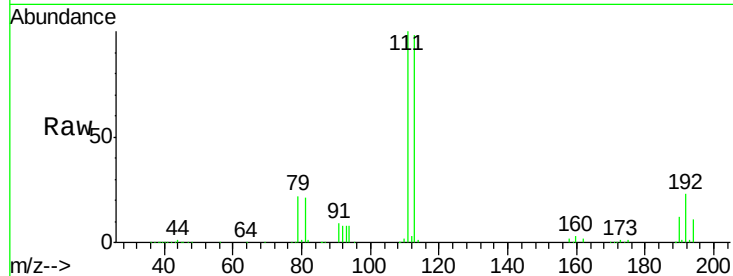




#35  
 Dibromofluoromethane  
 Concen: 44.728 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: VX002268.D  
 Acq: 04 Jun 2018 18:47

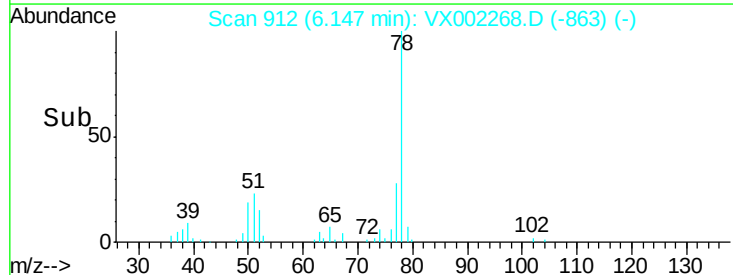
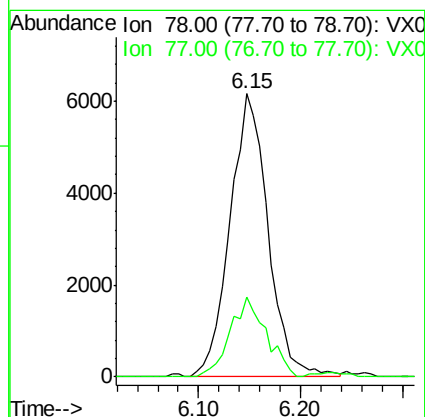
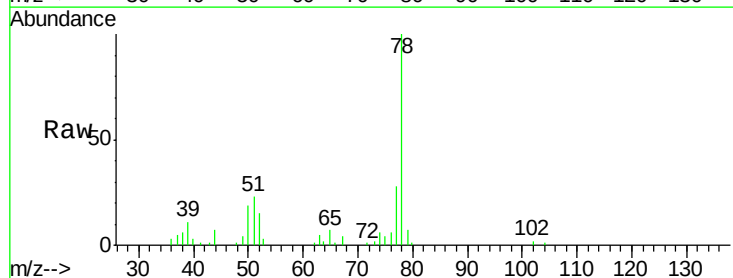
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 LF6-0059

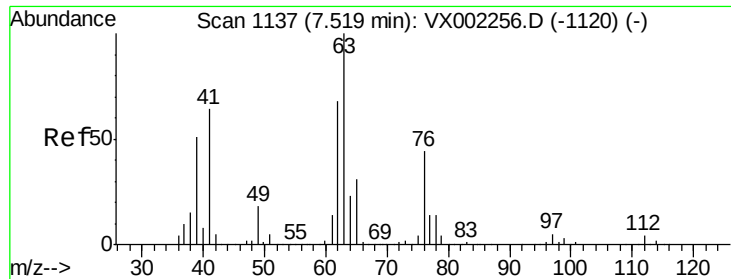
Tot Ion:113 Resp: 125917  
 Ion Ratio Lower Upper  
 113 100  
 111 101.4 81.4 122.0  
 192 23.0 19.1 28.7



#40  
 Benzene  
 Concen: 1.385 ug/l  
 RT: 6.15 min Scan# 912  
 Delta R.T. -0.00 min  
 Lab File: VX002268.D  
 Acq: 04 Jun 2018 18:47

Tgt Ion: 78 Resp: 15976  
 Ion Ratio Lower Upper  
 78 100  
 77 28.3 19.1 28.7

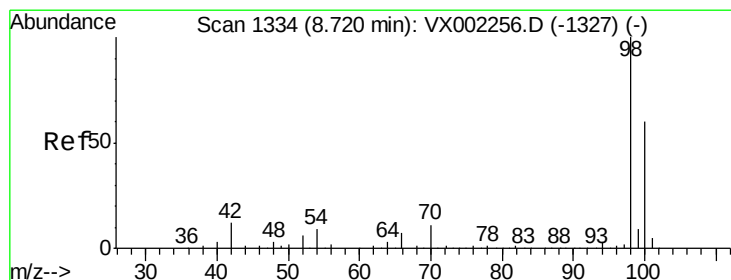
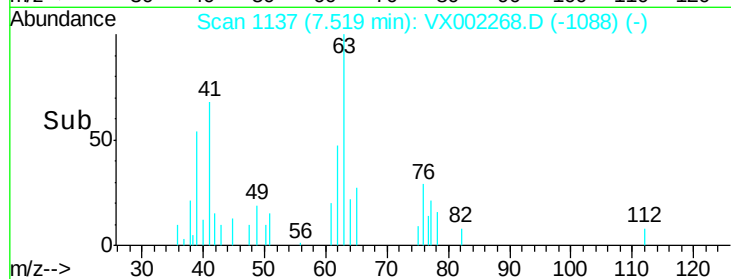
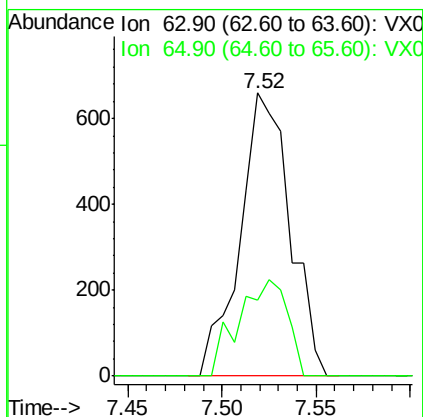
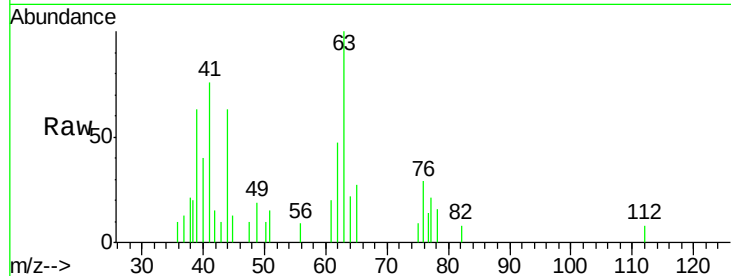




#45  
 1,2-Dichloropropane  
 Concen: 0.390 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: VX002268.D  
 Acq: 04 Jun 2018 18:47

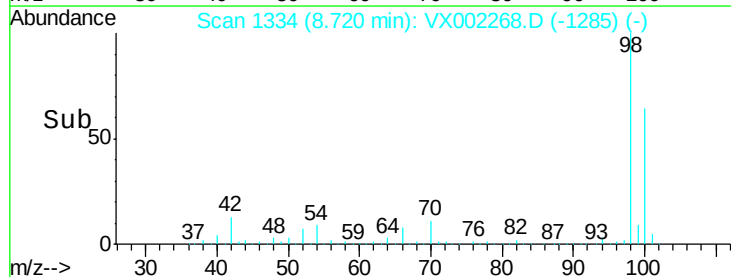
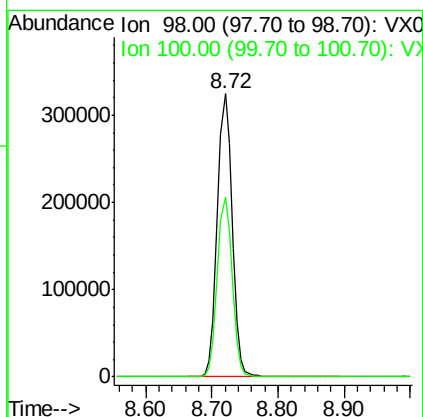
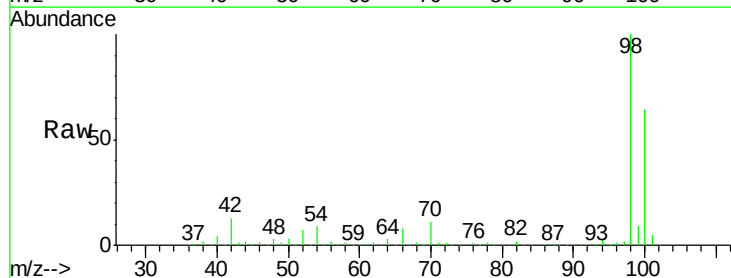
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0059

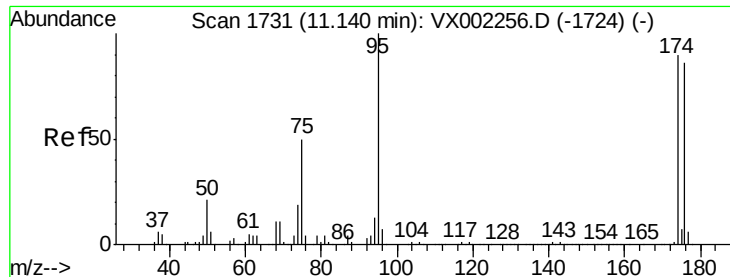
Tot Ion: 63 Resp: 1214  
 Ion Ratio Lower Upper  
 63 100  
 65 26.9 24.7 37.1



#50  
 Toluene-d8  
 Concen: 46.657 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: VX002268.D  
 Acq: 04 Jun 2018 18:47

Tgt Ion: 98 Resp: 503448  
 Ion Ratio Lower Upper  
 98 100  
 100 63.6 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 42.680 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002268.D

Acq: 04 Jun 2018 18:47

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0059

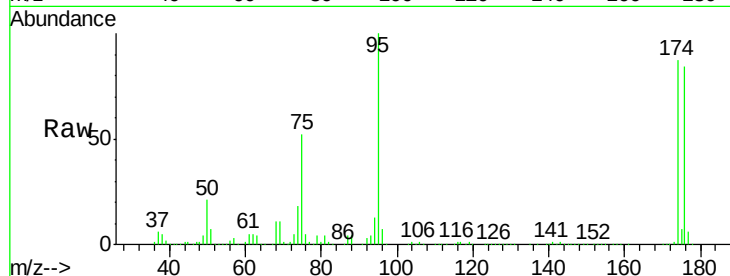
Tot Ion: 95 Resp: 177589

Ion Ratio Lower Upper

95 100

174 92.9 0.0 187.4

176 89.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002256.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002256.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002256.D (-1724) (-)

11.14

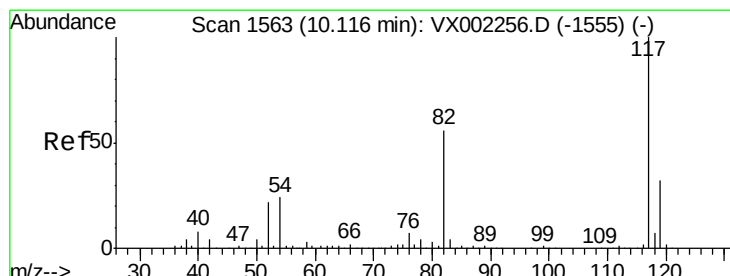
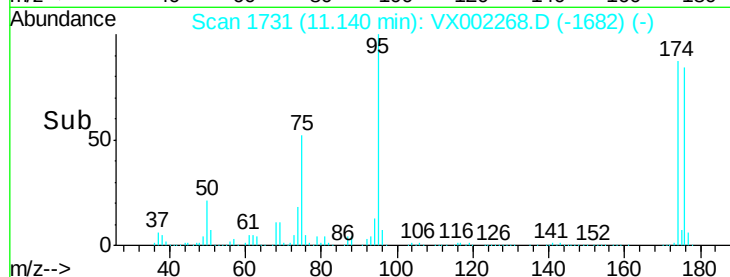
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002268.D

Acq: 04 Jun 2018 18:47

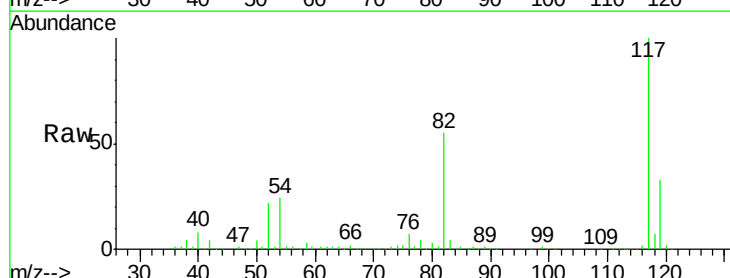
Tgt Ion: 117 Resp: 318672

Ion Ratio Lower Upper

117 100

82 55.5 45.0 67.4

119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002256.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002256.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002256.D (-1555) (-)

10.12

300000

250000

200000

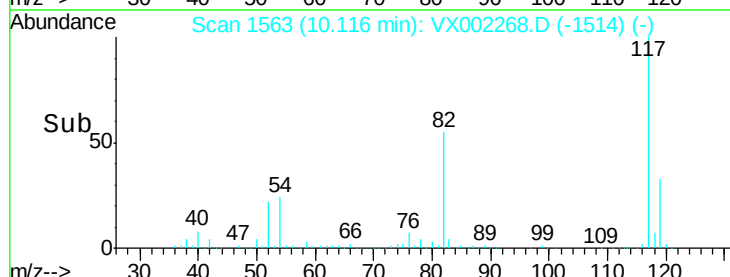
150000

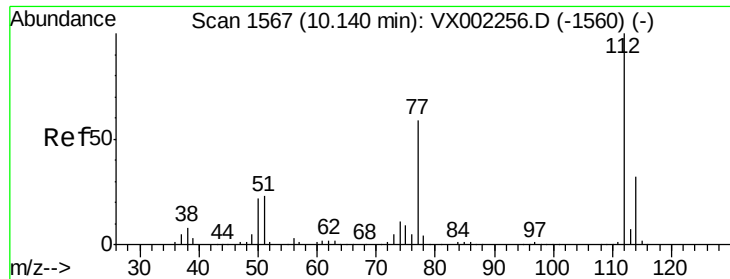
100000

50000

0

Time-->





#65

Chlorobenzene

Concen: 2.441 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002268.D

Acq: 04 Jun 2018 18:47

Instrument :

MSVOA\_X

ClientSampleId :

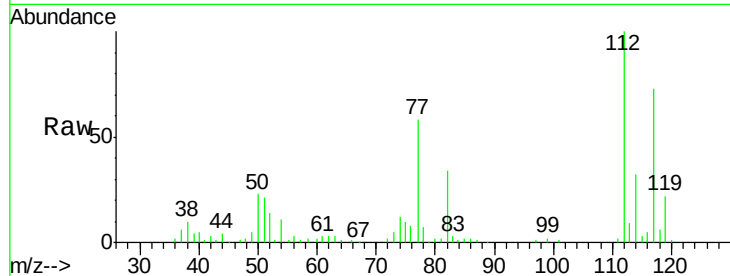
LF6-0059

Tot Ion:112 Resp: 19355

Ion Ratio Lower Upper

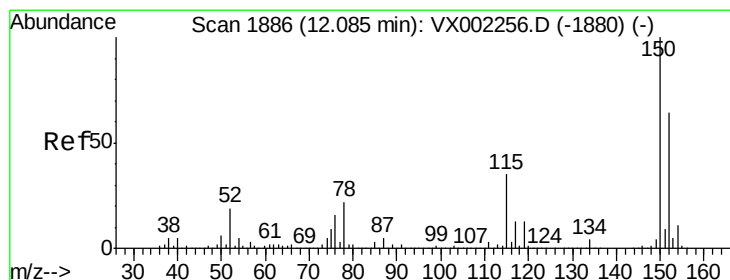
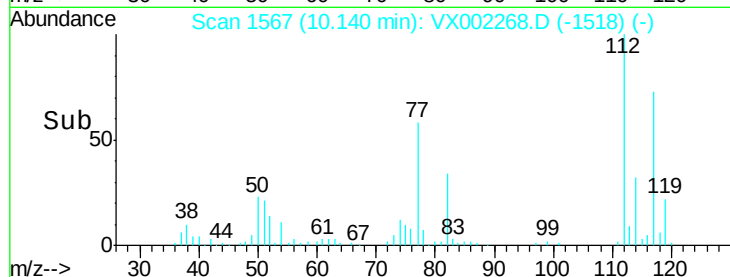
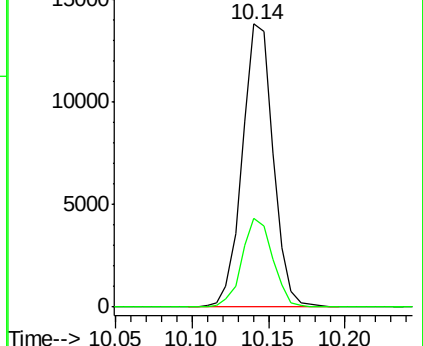
112 100

114 31.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX002268.D

Acq: 04 Jun 2018 18:47

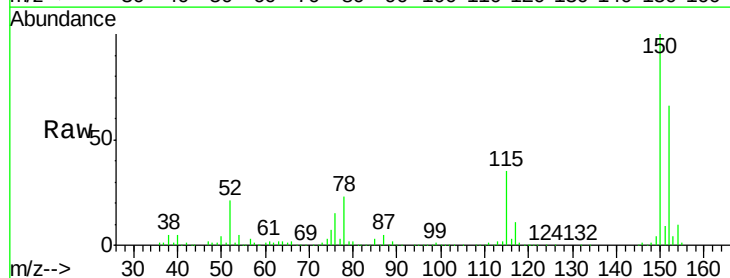
Tgt Ion:152 Resp: 177668

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

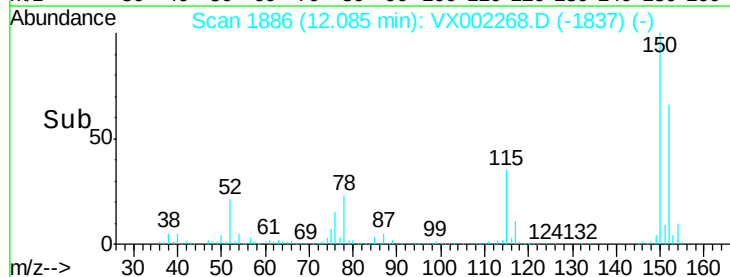
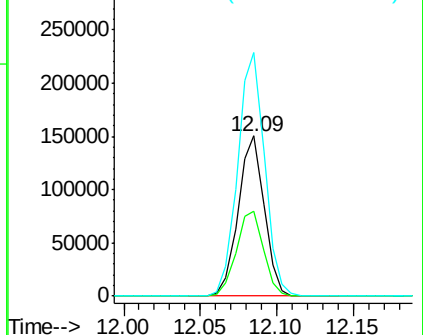
150 156.4 0.0 347.2



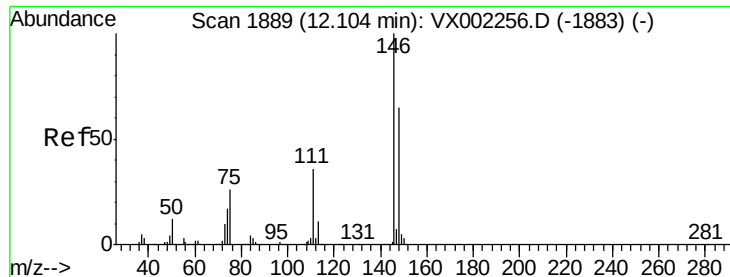
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#88

1,4-Dichlorobenzene

Concen: 2.301 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002268.D

Acq: 04 Jun 2018 18:47

Instrument :

MSVOA\_X

ClientSampled :

LF6-0059

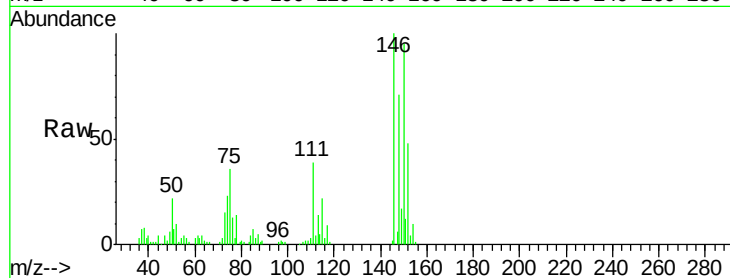
Tot Ion:146 Resp: 14717

Ion Ratio Lower Upper

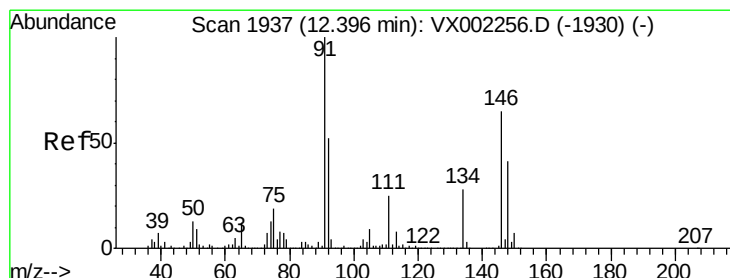
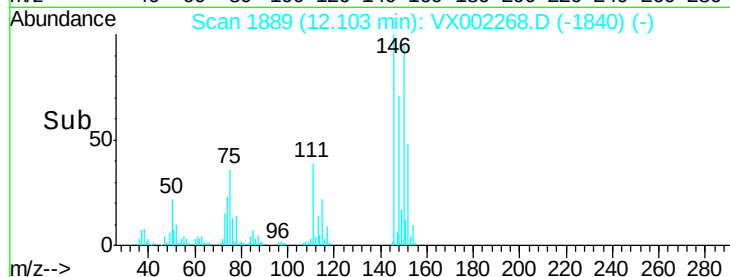
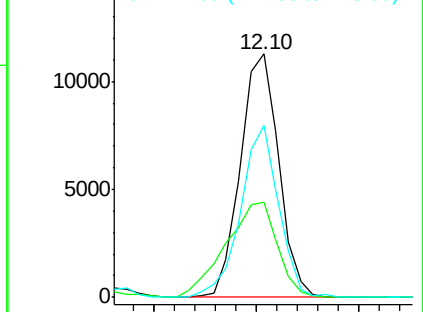
146 100

111 52.5 18.7 56.1

148 69.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002268.D

Acq: 04 Jun 2018 18:47

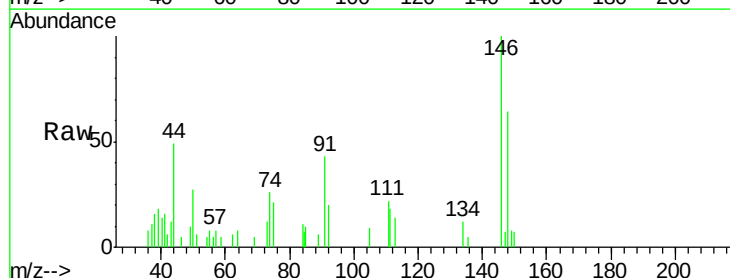
Tgt Ion:146 Resp: 1299

Ion Ratio Lower Upper

146 100

111 33.9 19.4 58.1

148 66.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V

