

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\  
 Data File : VX001196.D  
 Acq On : 28 Apr 2018 03:07  
 Operator : JC/MD  
 Sample : J2464-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS043MW100-180418

Quant Time: Apr 28 05:58:23 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X042618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 27 01:51:42 2018  
 Response via : Initial Calibration

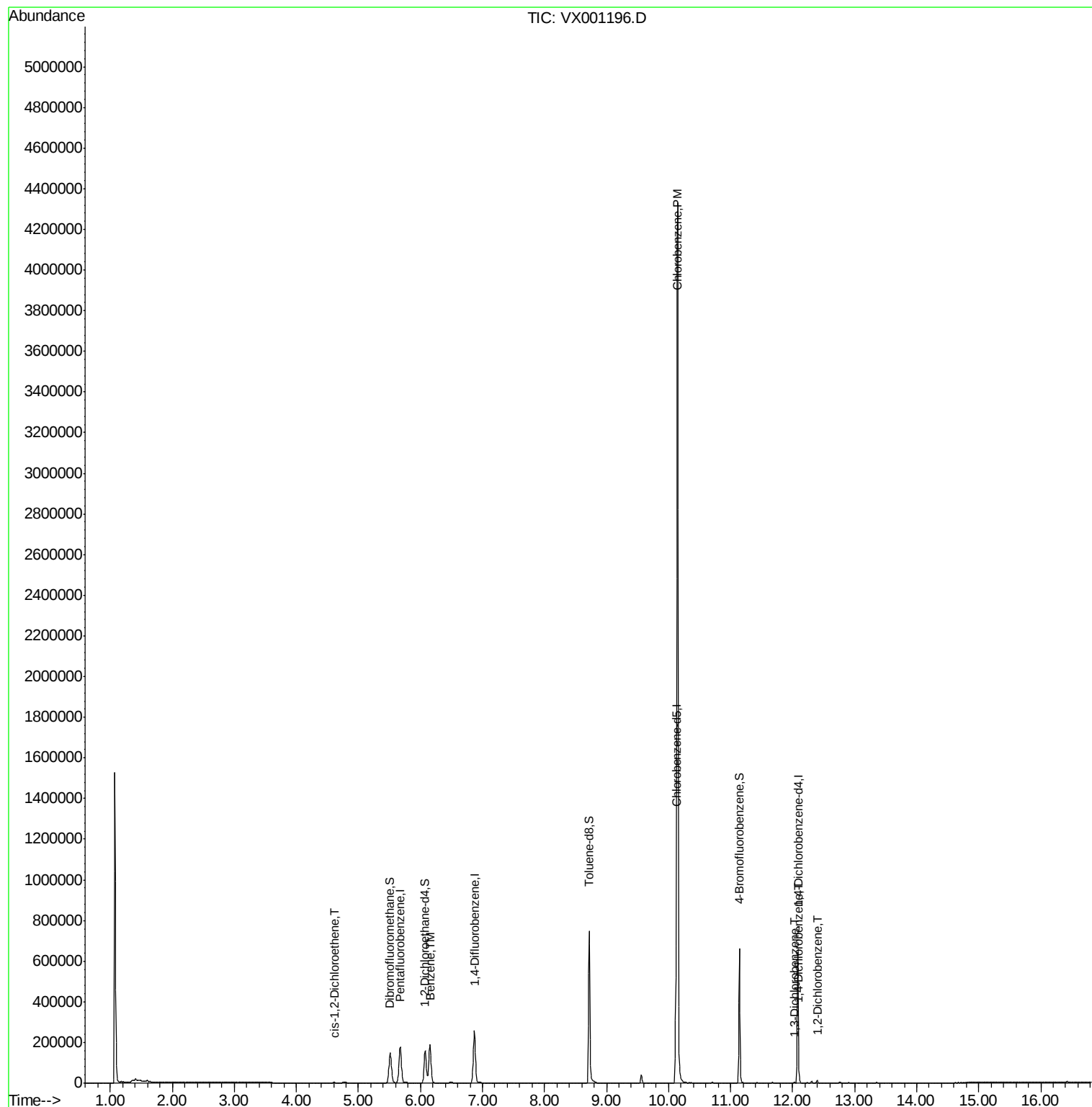
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 196369   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 267585   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 243949   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 137093   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 150953   | 49.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.18%  |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 119251   | 53.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.68% |          |
| 50) Toluene-d8              | 8.72  | 98   | 452082   | 54.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.18% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 158018   | 48.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.80%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.61  | 96   | 1435     | 0.60   | ug/l    | 89       |
| 40) Benzene                 | 6.15  | 78   | 219979   | 25.79  | ug/l    | 98       |
| 65) Chlorobenzene           | 10.15 | 112  | 1959763  | 306.63 | ug/l    | 99       |
| 87) 1,3-Dichlorobenzene     | 12.03 | 146  | 1983     | 0.42   | ug/l    | 99       |
| 88) 1,4-Dichlorobenzene     | 12.10 | 146  | 9899     | 2.00   | ug/l    | 83       |
| 91) 1,2-Dichlorobenzene     | 12.40 | 146  | 4442     | 0.92   | ug/l    | 97       |

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

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Quant Title : SW846 8260  
QLast Update : Fri Apr 27 01:51:42 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: VX001196.D

Acq: 28 Apr 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

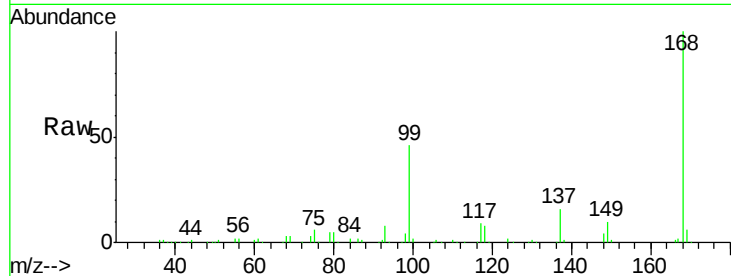
SS043MW100-180418

Tot Ion:168 Resp: 196369

Ion Ratio Lower Upper

168 100

99 46.3 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

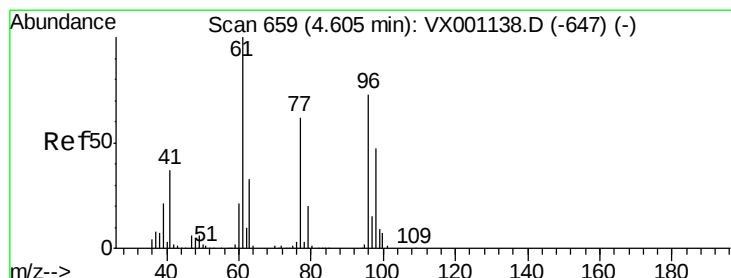
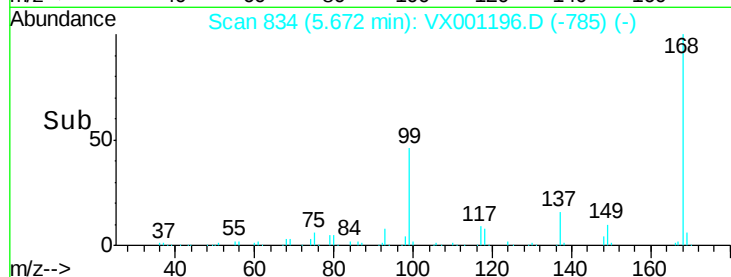
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#27

cis-1,2-Dichloroethene

Concen: 0.60 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001196.D

Acq: 28 Apr 2018 03:07

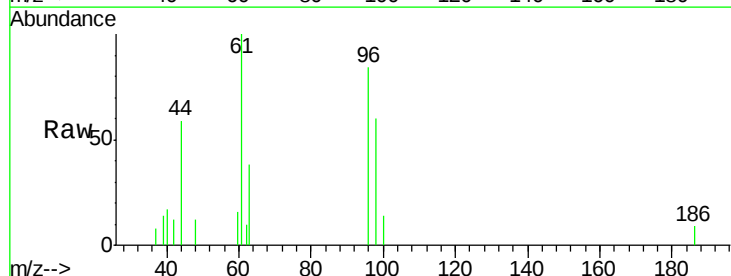
Tgt Ion: 96 Resp: 1435

Ion Ratio Lower Upper

96 100

61 136.9 0.0 289.0

98 80.9 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

1000

800

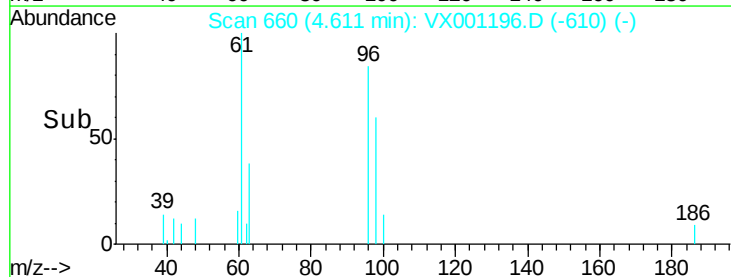
600

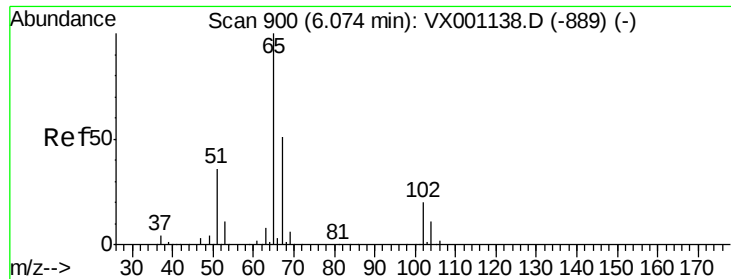
400

200

0

Time--> 4.55 4.60 4.65





#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001196.D

Acq: 28 Apr 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

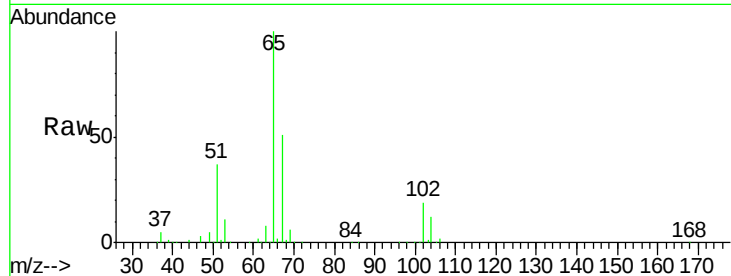
SS043MW100-180418

Tot Ion: 65 Resp: 150953

Ion Ratio Lower Upper

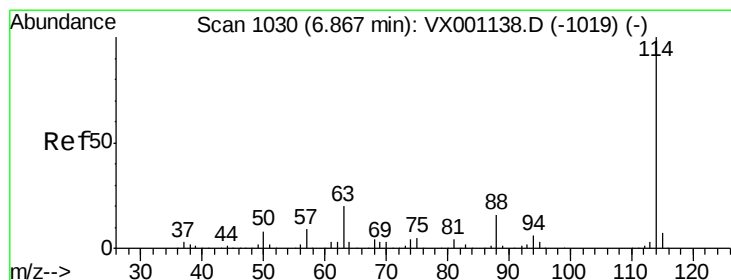
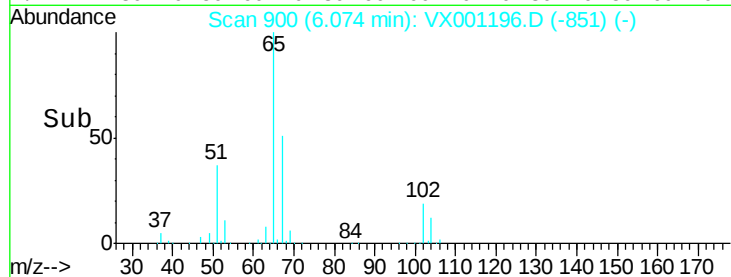
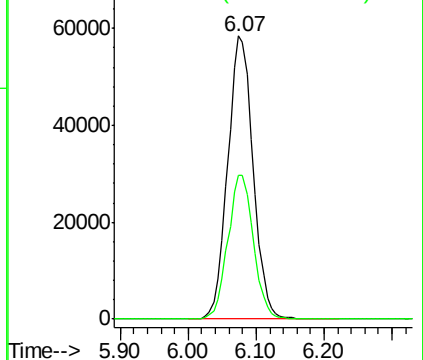
65 100

67 51.3 0.0 102.2



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. 0.01 min

Lab File: VX001196.D

Acq: 28 Apr 2018 03:07

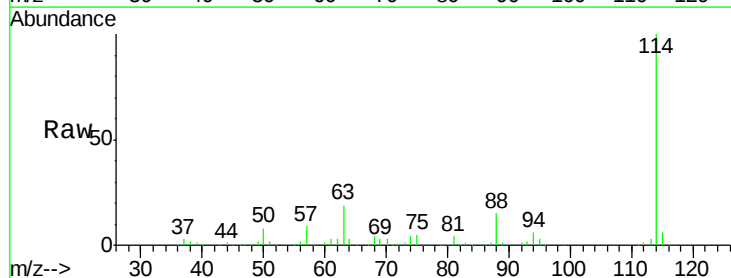
Tgt Ion: 114 Resp: 267585

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.4

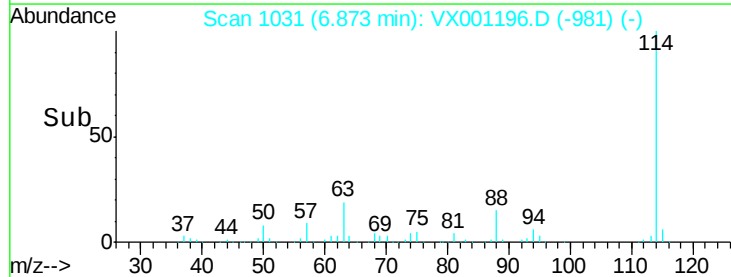
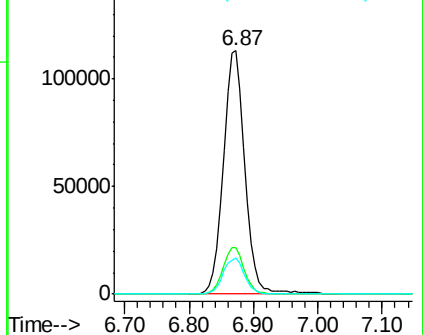
88 14.6 0.0 31.8

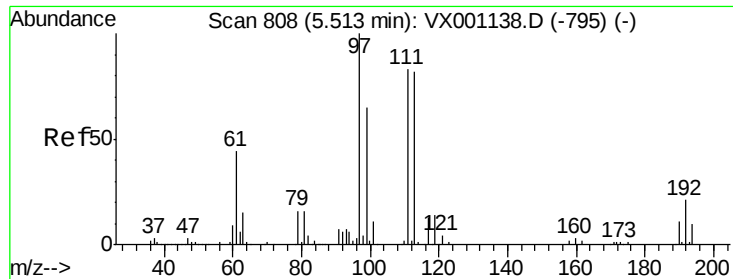


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

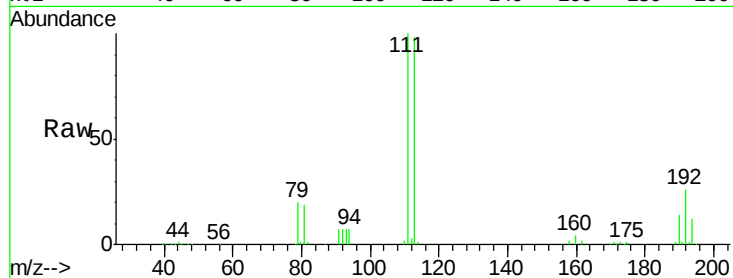




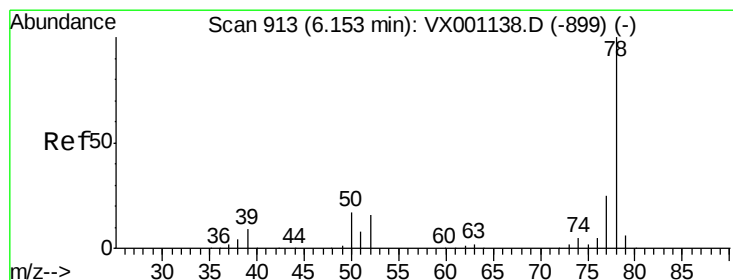
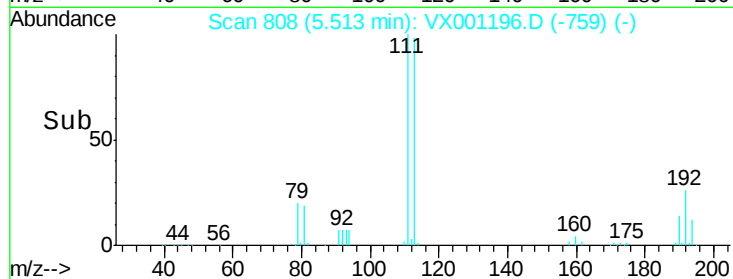
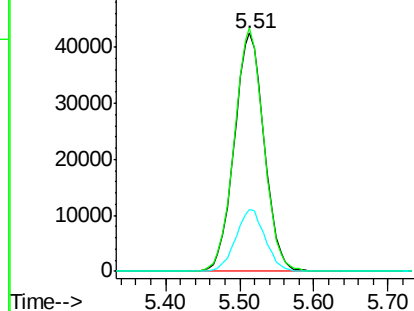
#35  
 Dibromofluoromethane  
 Concen: 53.84 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. 0.00 min  
 Lab File: VX001196.D  
 Acq: 28 Apr 2018 03:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS043MW100-180418

Tot Ion:113 Resp: 119251  
 Ion Ratio Lower Upper  
 113 100  
 111 100.5 82.2 123.4  
 192 25.5 20.6 30.8

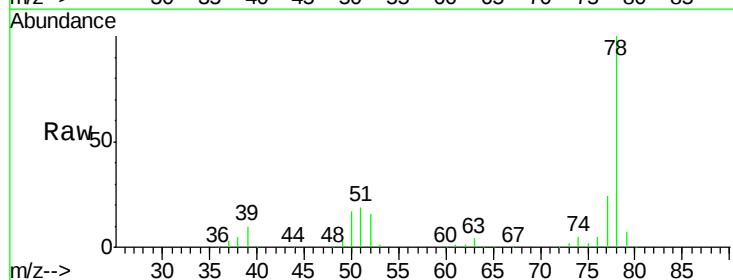


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

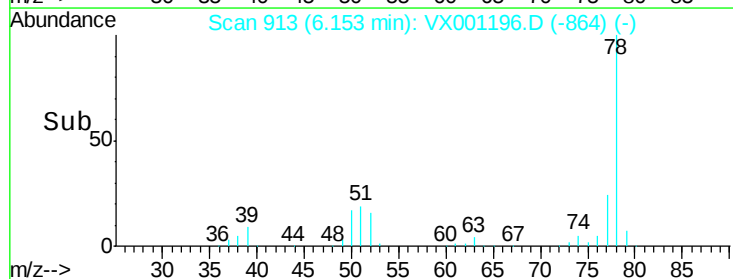
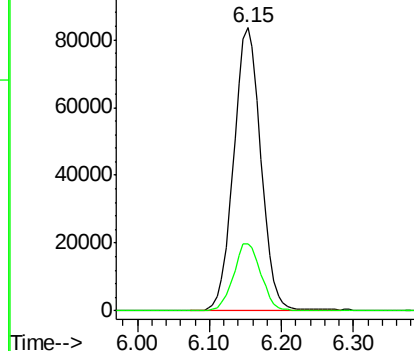


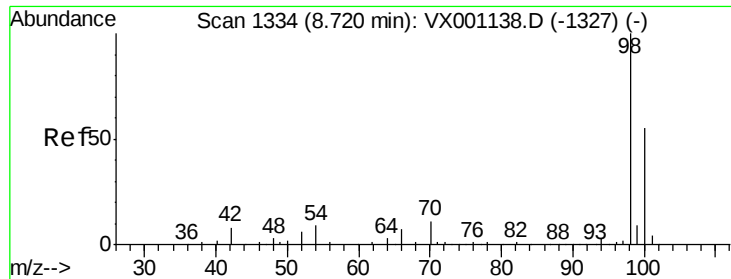
#40  
 Benzene  
 Concen: 25.79 ug/l  
 RT: 6.15 min Scan# 913  
 Delta R.T. 0.00 min  
 Lab File: VX001196.D  
 Acq: 28 Apr 2018 03:07

Tgt Ion: 78 Resp: 219979  
 Ion Ratio Lower Upper  
 78 100  
 77 23.8 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VX0  
 Ion 77.00 (76.70 to 77.70): VX0

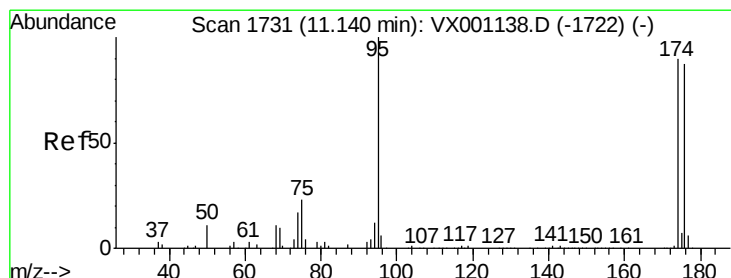
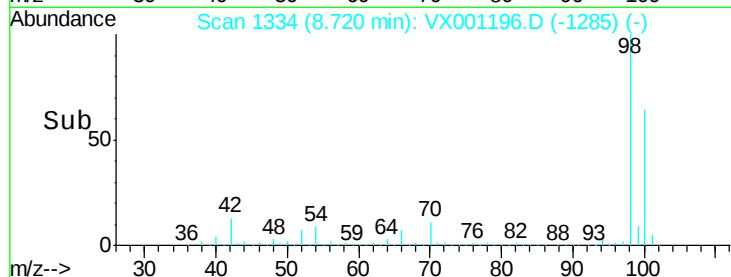
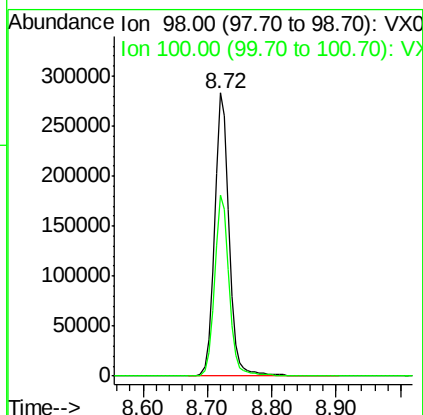
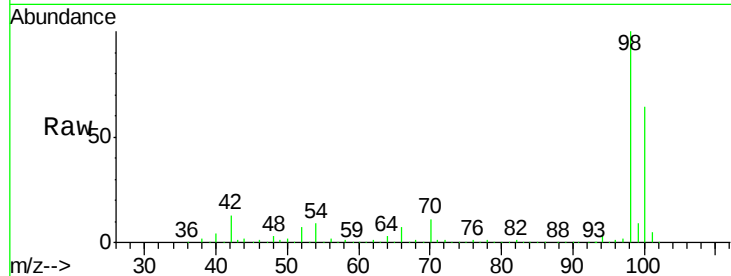




#50  
Toluene-d8  
Concen: 54.09 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX001196.D  
Acq: 28 Apr 2018 03:07

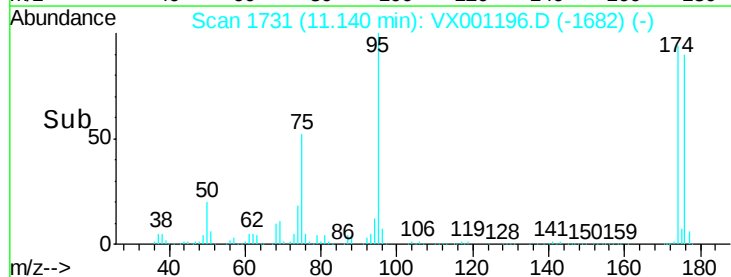
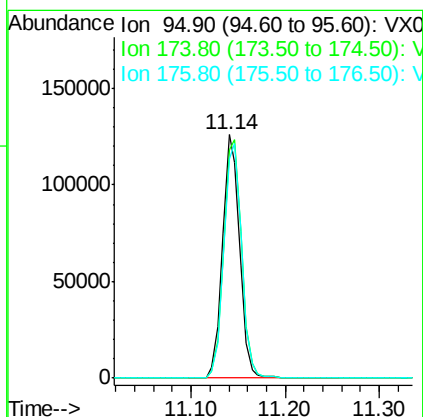
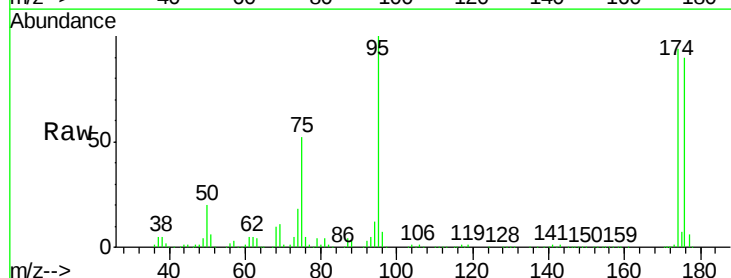
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS043MW100-180418

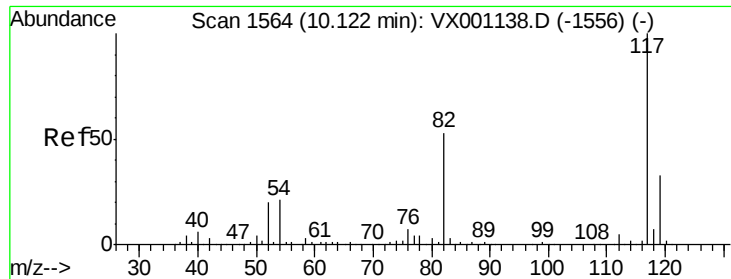
Tot Ion: 98 Resp: 452082  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 48.40 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001196.D  
Acq: 28 Apr 2018 03:07

Tgt Ion: 95 Resp: 158018  
Ion Ratio Lower Upper  
95 100  
174 102.3 0.0 194.4  
176 100.4 0.0 190.2

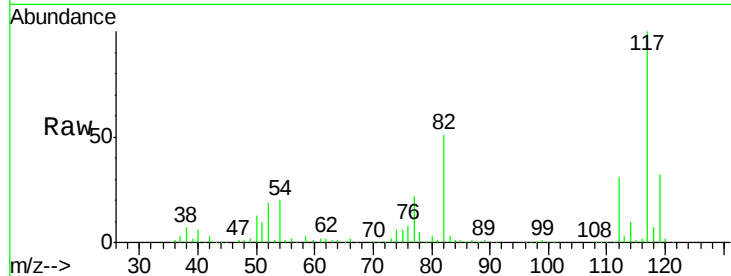




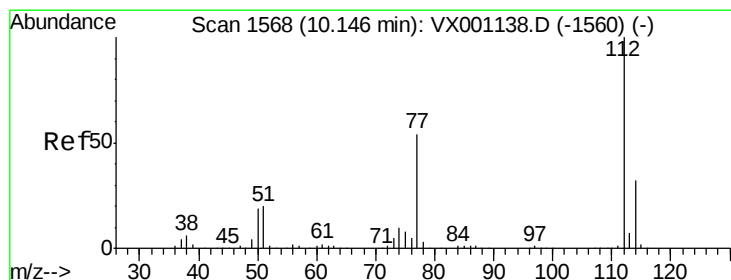
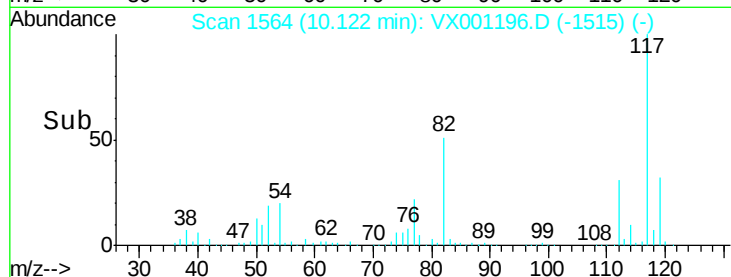
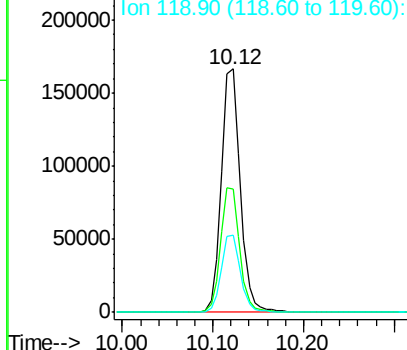
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX001196.D  
Acq: 28 Apr 2018 03:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS043MW100-180418

Tot Ion:117 Resp: 243949  
Ion Ratio Lower Upper  
117 100  
82 50.9 42.1 63.1  
119 31.7 26.1 39.1

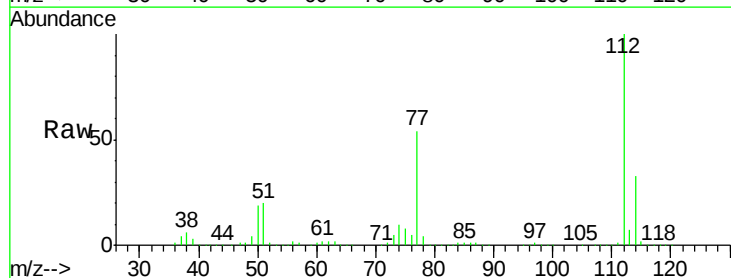


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

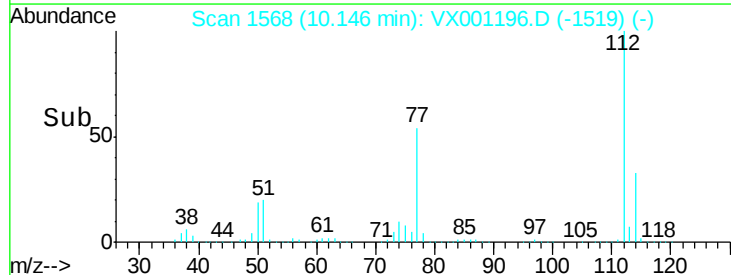
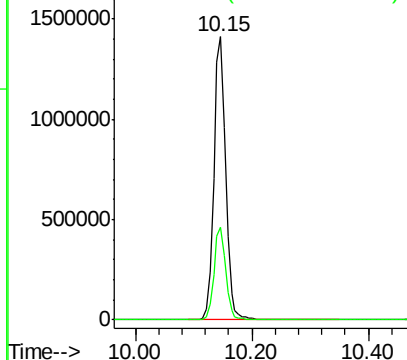


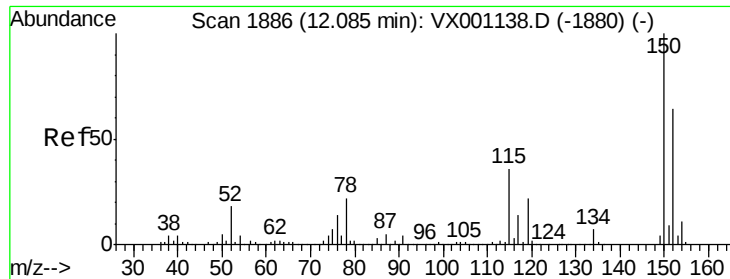
#65  
Chlorobenzene  
Concen: 306.63 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX001196.D  
Acq: 28 Apr 2018 03:07

Tgt Ion:112 Resp: 1959763  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.7 38.5



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001196.D

Acq: 28 Apr 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

SS043MW100-180418

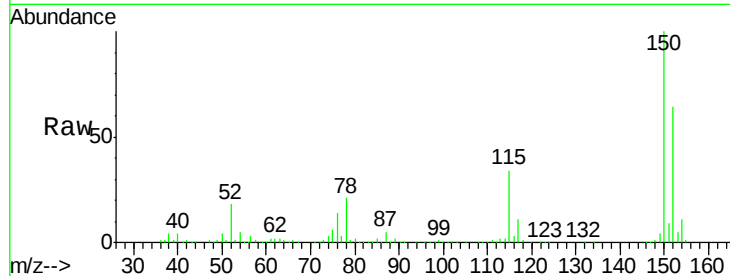
Tot Ion:152 Resp: 137093

Ion Ratio Lower Upper

152 100

115 53.9 38.0 114.0

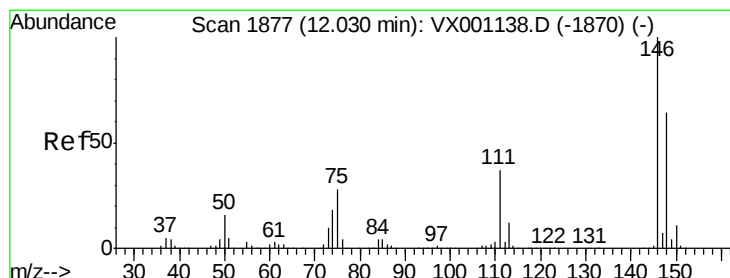
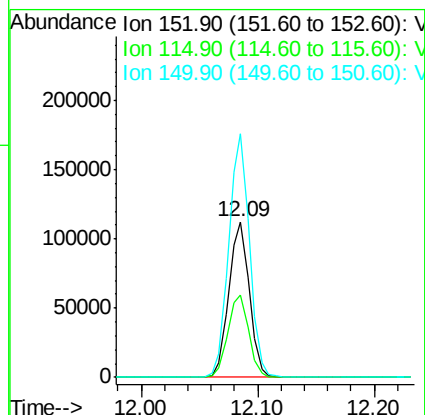
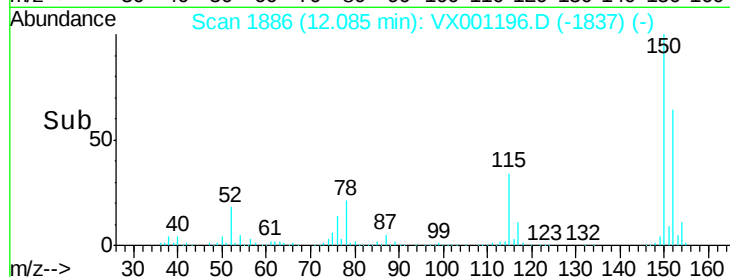
150 157.4 0.0 349.6



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



#87

1,3-Dichlorobenzene

Concen: 0.42 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001196.D

Acq: 28 Apr 2018 03:07

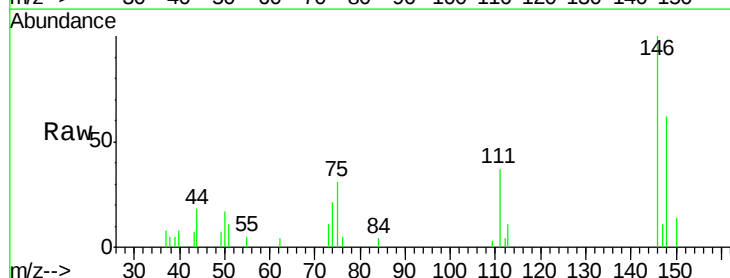
Tgt Ion:146 Resp: 1983

Ion Ratio Lower Upper

146 100

111 36.2 18.6 56.0

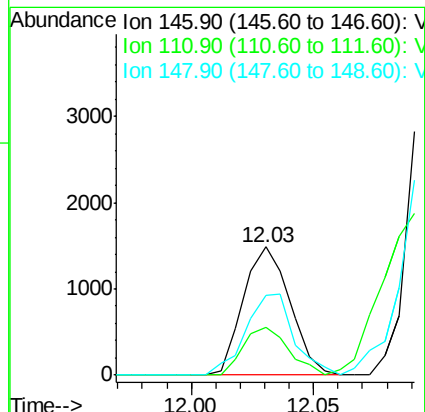
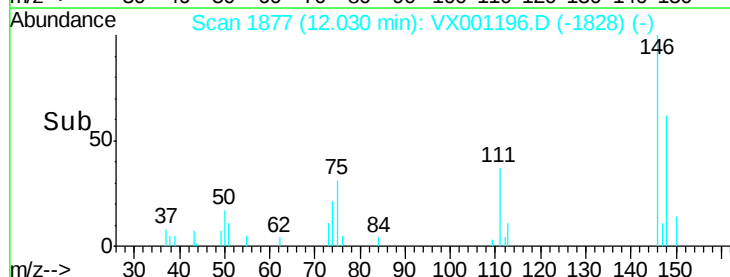
148 65.1 32.3 96.8

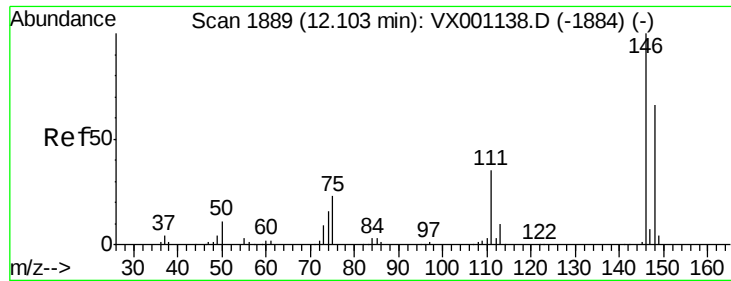


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.00 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001196.D

Acq: 28 Apr 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

SS043MW100-180418

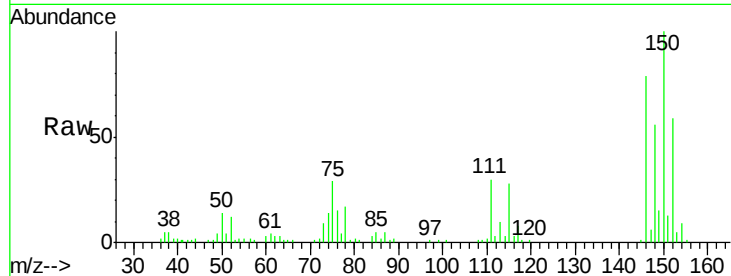
Tot Ion:146 Resp: 9899

Ion Ratio Lower Upper

146 100

111 52.3 18.0 54.0

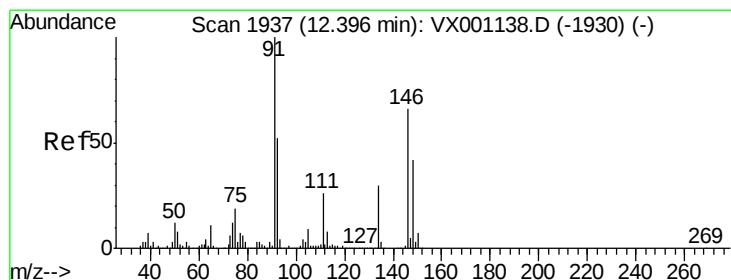
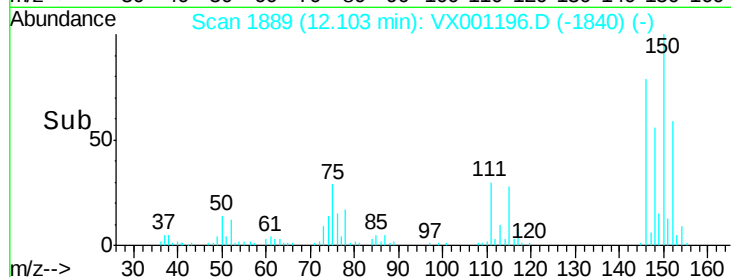
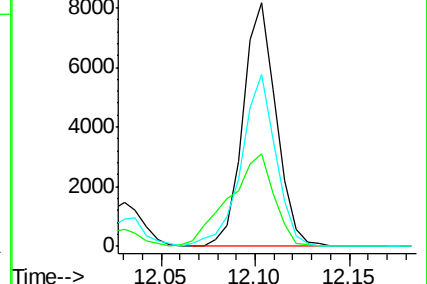
148 74.1 32.5 97.5



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: 0.92 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001196.D

Acq: 28 Apr 2018 03:07

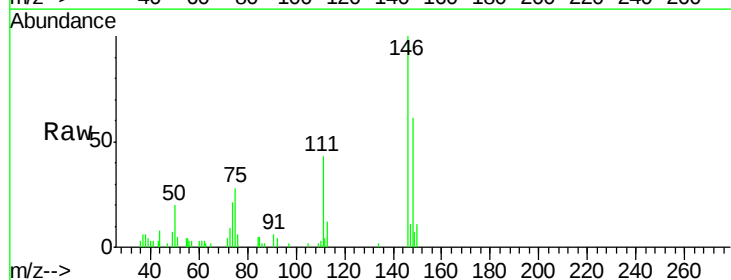
Tgt Ion:146 Resp: 4442

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.3

148 66.8 32.2 96.6



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

