

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX042318\  
 Data File : VX001060.D  
 Acq On : 23 Apr 2018 15:53  
 Operator : JC/MD  
 Sample : J2377-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF014MW015-180412

Quant Time: Apr 24 07:02:32 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  | 216485   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 307259   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 285058   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 189217   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.08   | 65  | 142553   | 51.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.90% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 109846   | 46.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.76%  |      |
| 50) Toluene-d8              | 8.72   | 98  | 429624   | 49.59 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.18%  |      |
| 62) 4-Bromofluorobenzene    | 11.15  | 95  | 166553   | 45.81 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.62%  |      |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 3) Chloromethane               | 1.33  | 50   | 630      | 0.25      | ug/l  | # 77   |
| 4) Vinyl Chloride              | 1.40  | 62   | 144405   | 55.73     | ug/l  | 99     |
| 5) Bromomethane                | 1.66  | 94   | 239      | Below Cal | #     | 54     |
| 6) Chloroethane                | 1.97  | 64   | 357      | 0.23      | ug/l  | # 70   |
| 10) Methyl Iodide              | 2.53  | 142  | 82       | 7.63      | ug/l  | # 41   |
| 11) Tert butyl alcohol         | 3.07  | 59   | 145      | 0.35      | ug/l  | # 23   |
| 12) 1,1-Dichloroethene         | 2.37  | 96   | 518      | 0.25      | ug/l  | # 77   |
| 13) Acrolein                   | 2.31  | 56   | 63       | 11.40     | ug/l  | # 1    |
| 16) Acetone                    | 2.45  | 43   | 2296     | 2.22      | ug/l  | 94     |
| 17) Carbon Disulfide           | 2.57  | 76   | 1210     | 0.20      | ug/l  | # 90   |
| 20) Methylene Chloride         | 2.86  | 84   | 435      | Below Cal | #     | 83     |
| 25) 2-Butanone                 | 4.72  | 43   | 638      | 0.40      | ug/l  | # 50   |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96   | 107532   | 41.11     | ug/l  | 88     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 13183    | 3.65      | ug/l  | # 49   |
| 38) Carbon Tetrachloride       | 5.68  | 117  | 18802    | 5.14      | ug/l  | # 15   |
| 40) Benzene                    | 6.15  | 78   | 7579     | 0.76      | ug/l  | 94     |
| 42) 1,2-Dichloroethane         | 6.21  | 62   | 789      | 0.20      | ug/l  | # 76   |
| 52) Toluene                    | 8.79  | 92   | 3326     | 0.51      | ug/l  | 99     |
| 65) Chlorobenzene              | 10.15 | 112  | 160552   | 21.15     | ug/l  | 98     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 85588    | 26.07     | ug/l  | # 38   |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 85588    | 78.06     | ug/l  | # 8    |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 14059    | 2.04      | ug/l  | 87     |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 9771     | 1.50      | ug/l  | 98     |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

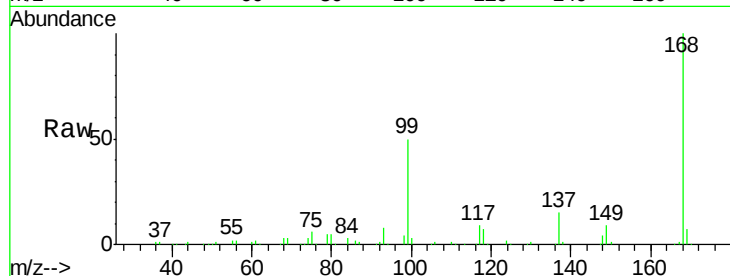
LF014MW015-180412

Tgt Ion:168 Resp: 216485

Ion Ratio Lower Upper

168 100

99 49.9 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

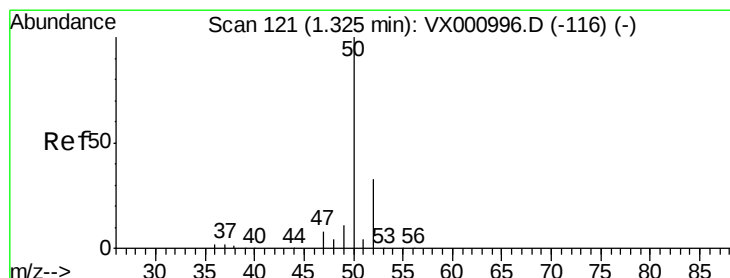
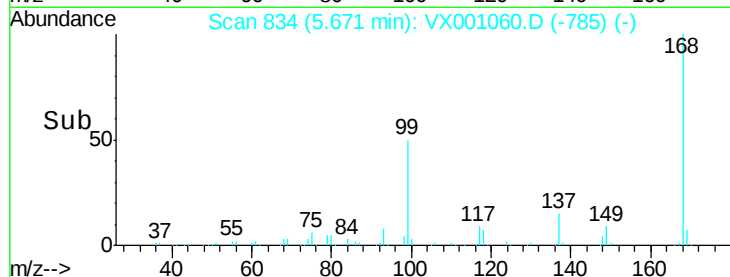
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001060.D

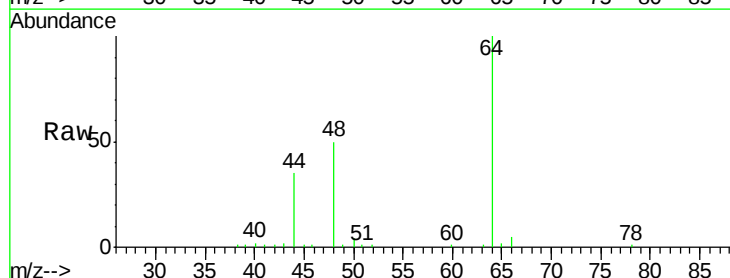
Acq: 23 Apr 2018 15:53

Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

50 100

52 20.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

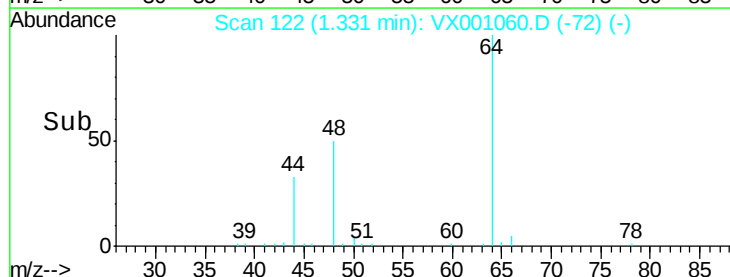
300

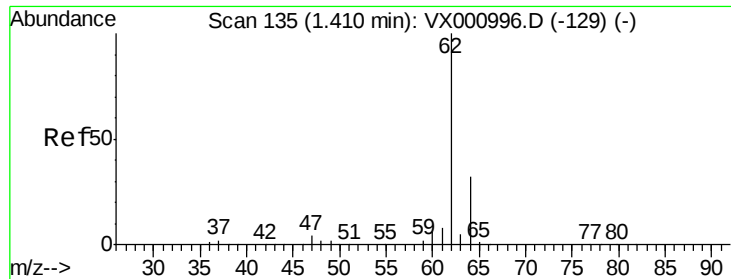
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 55.73 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

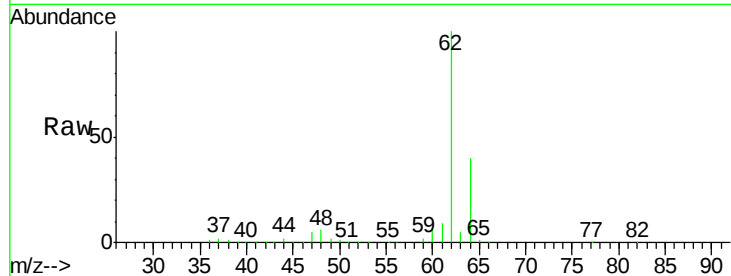
LF014MW015-180412

Tgt Ion: 62 Resp: 144405

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

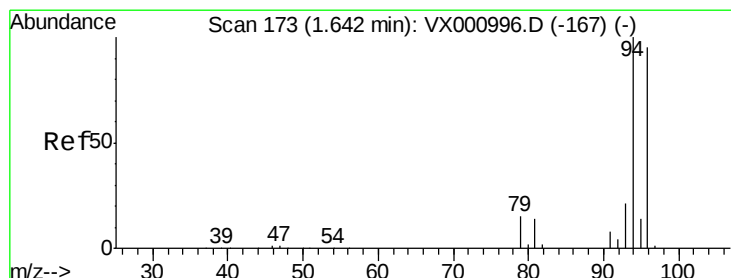
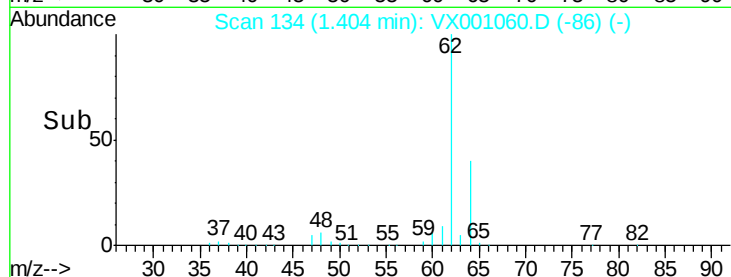
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001060.D

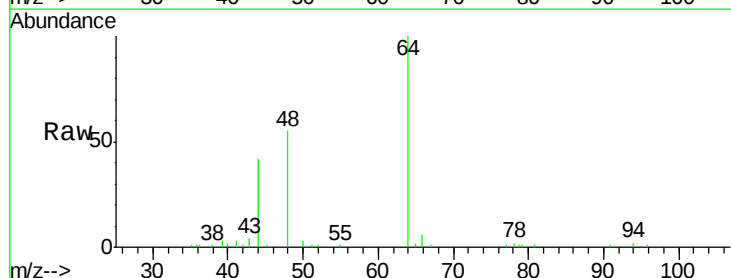
Acq: 23 Apr 2018 15:53

Tgt Ion: 94 Resp: 239

Ion Ratio Lower Upper

94 100

96 50.7 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

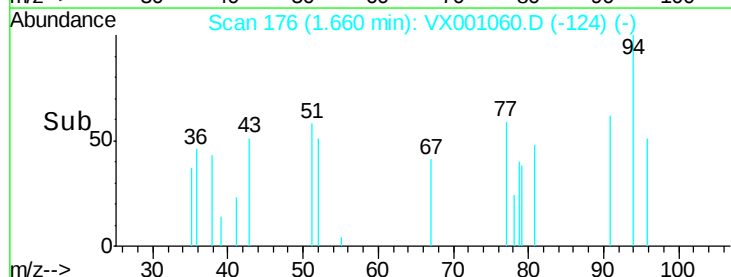
150

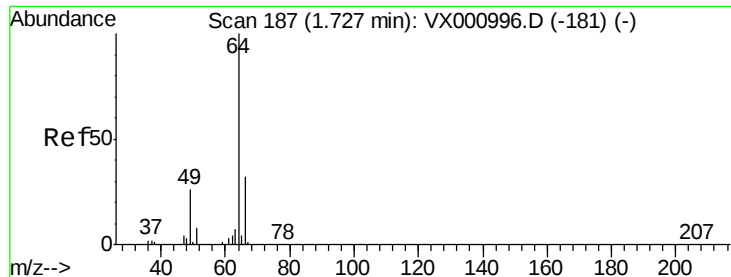
100

50

0

Time-->





#6

Chloroethane

Concen: 0.23 ug/l

RT: 1.97 min Scan# 227

Delta R.T. 0.24 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

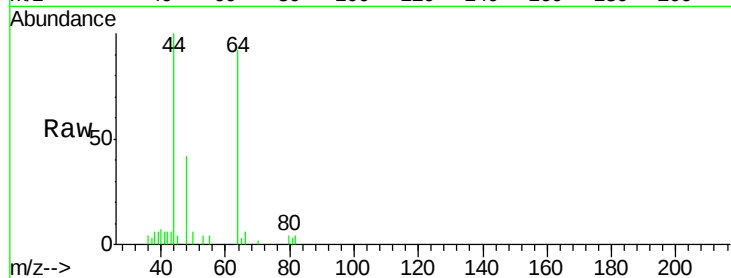
LF014MW015-180412

Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

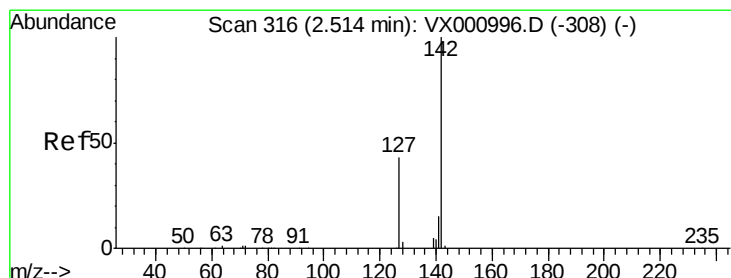
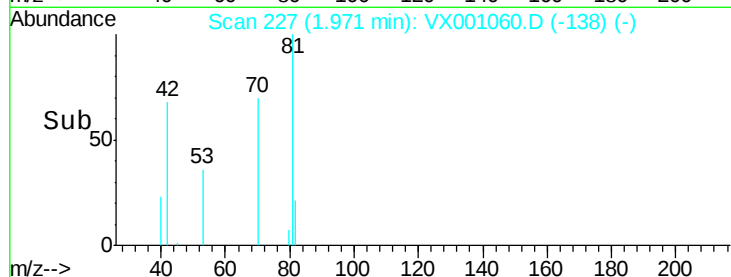
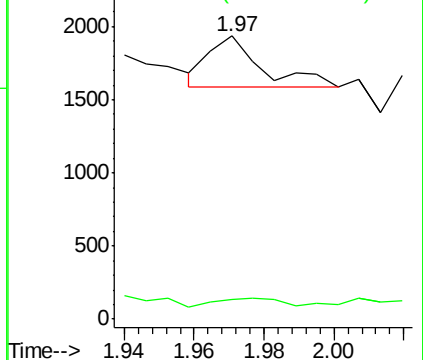
64 100

66 15.1 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.63 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

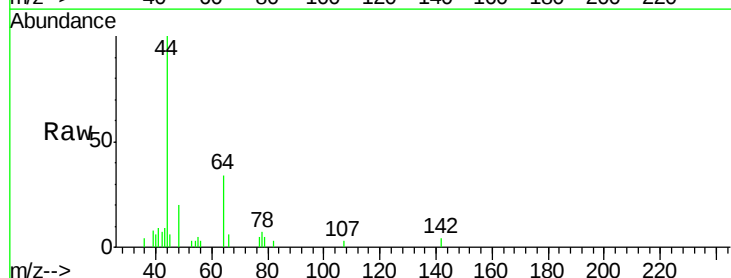
Tgt Ion: 142 Resp: 82

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

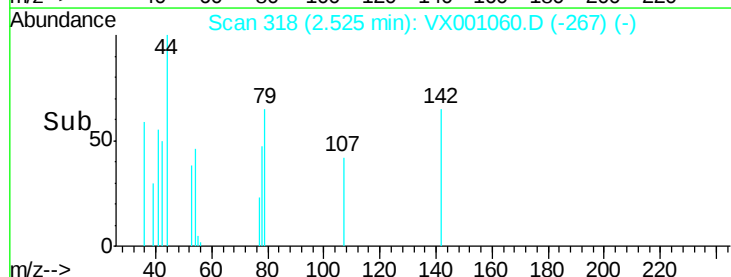
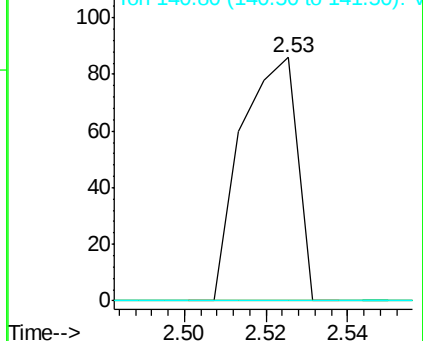
141 0.0 11.4 17.2#

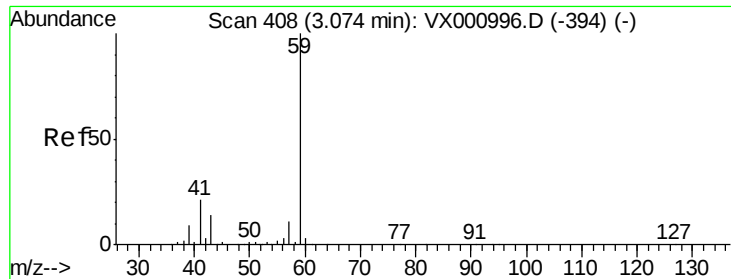


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

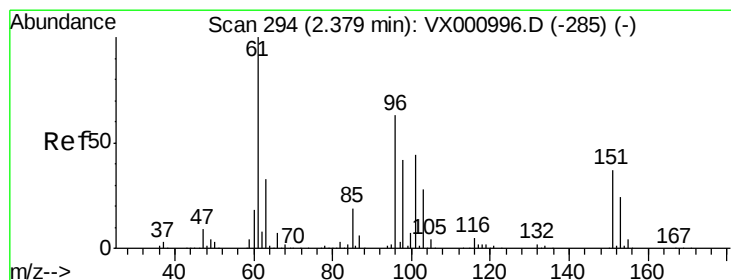
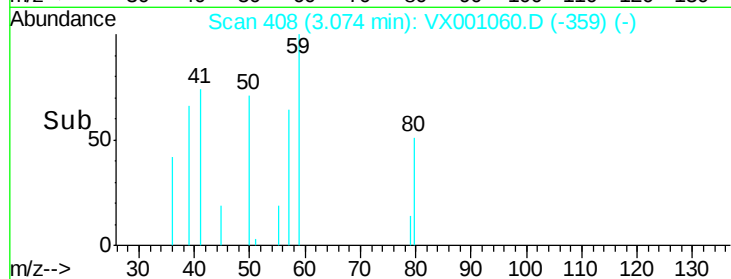
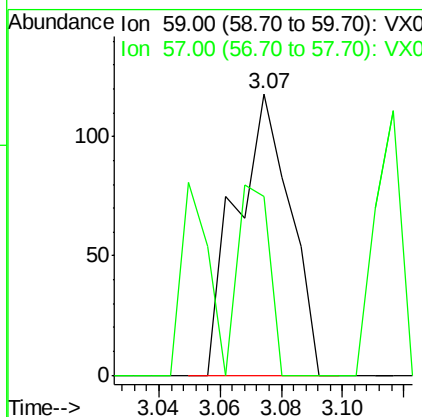
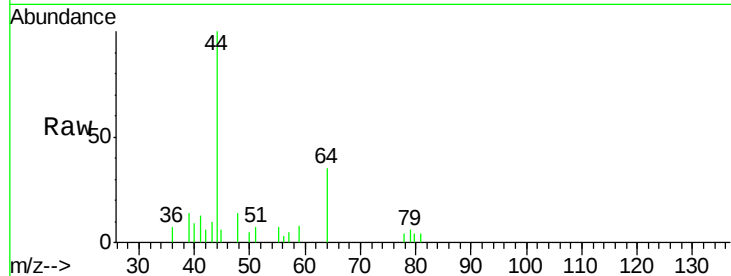




#11  
Tert butyl alcohol  
Concen: 0.35 ug/l  
RT: 3.07 min Scan# 408  
Delta R.T. -0.00 min  
Lab File: VX001060.D  
Acq: 23 Apr 2018 15:53

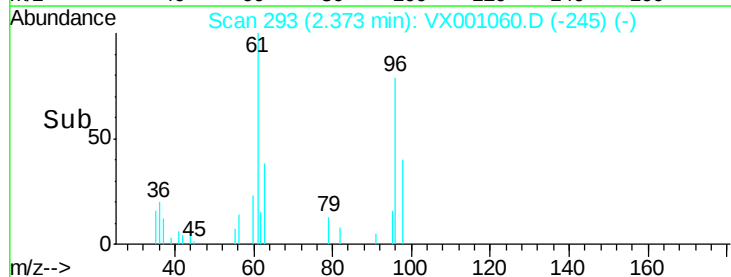
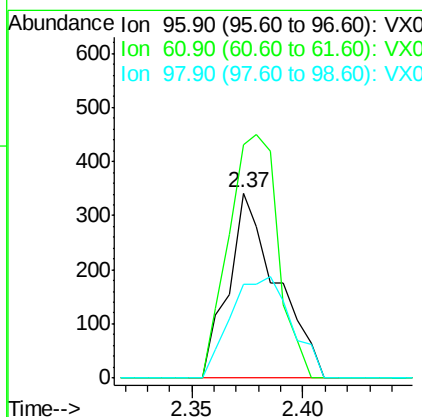
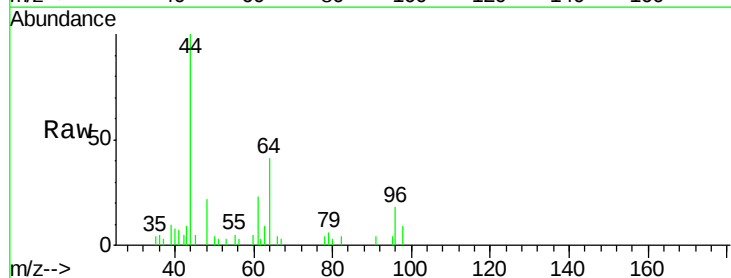
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF014MW015-180412

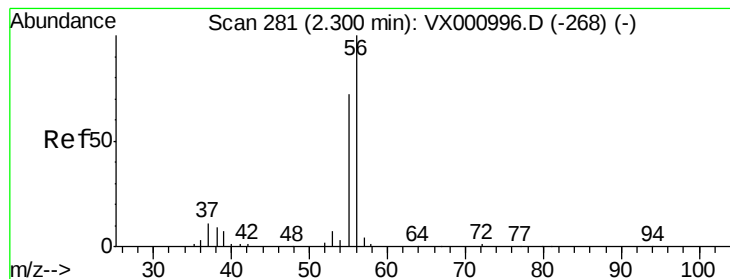
Tgt Ion: 59 Resp: 145  
Ion Ratio Lower Upper  
59 100  
57 39.3 8.3 12.5#



#12  
1,1-Dichloroethene  
Concen: 0.25 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. -0.01 min  
Lab File: VX001060.D  
Acq: 23 Apr 2018 15:53

Tgt Ion: 96 Resp: 518  
Ion Ratio Lower Upper  
96 100  
61 126.3 126.4 189.6#  
98 50.3 52.6 78.8#





#13

Acrolein

Concen: 11.40 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

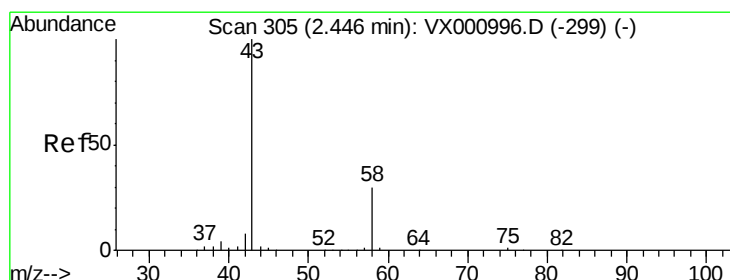
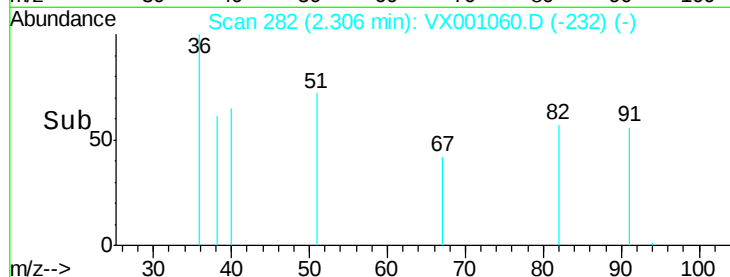
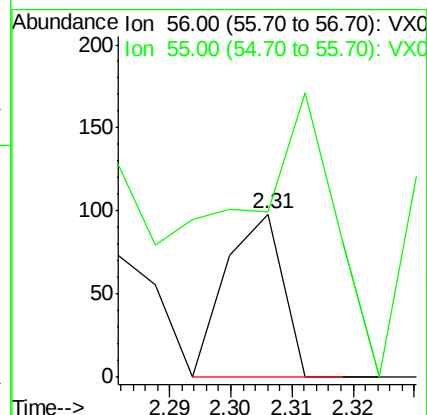
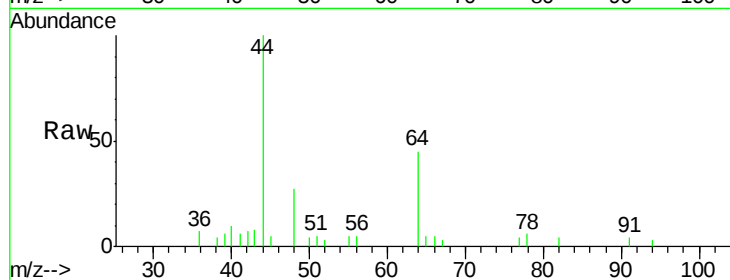
LF014MW015-180412

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 263.5 57.4 86.2#



#16

Acetone

Concen: 2.22 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001060.D

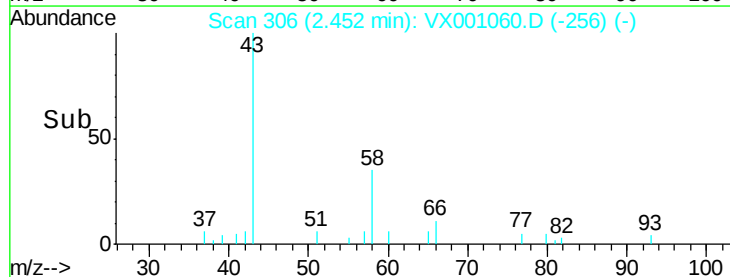
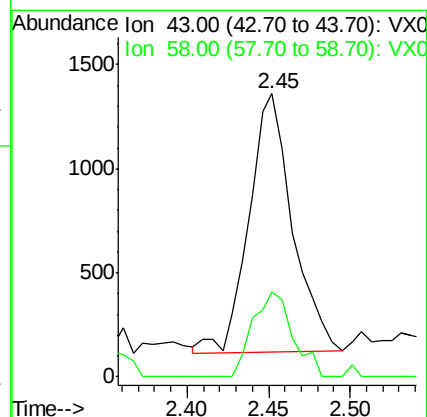
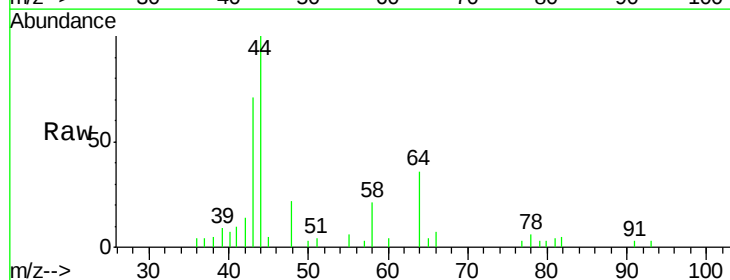
Acq: 23 Apr 2018 15:53

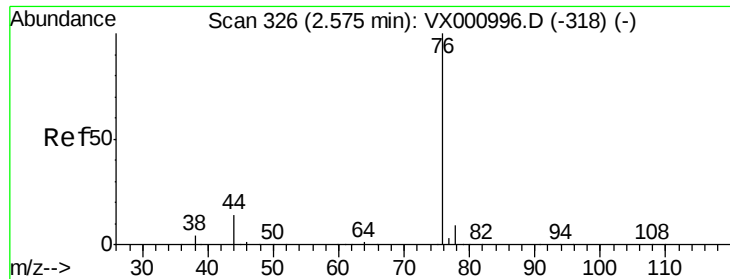
Tgt Ion: 43 Resp: 2296

Ion Ratio Lower Upper

43 100

58 33.1 23.7 35.5





#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

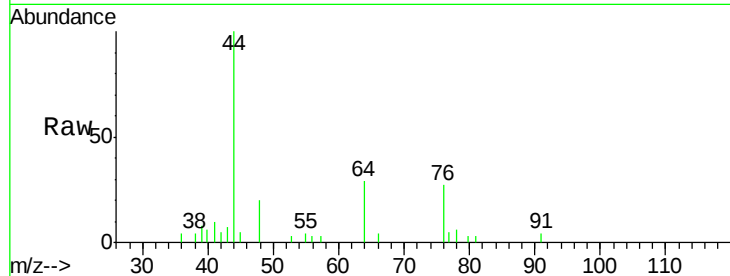
LF014MW015-180412

Tgt Ion: 76 Resp: 1210

Ion Ratio Lower Upper

76 100

78 12.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

500

400

300

200

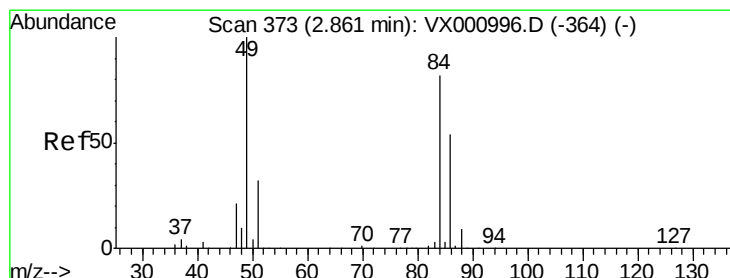
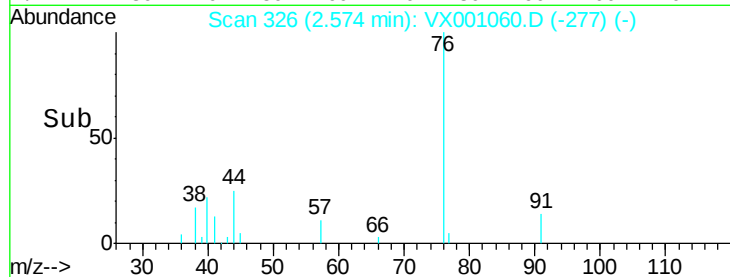
100

0

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Tgt Ion: 84 Resp: 435

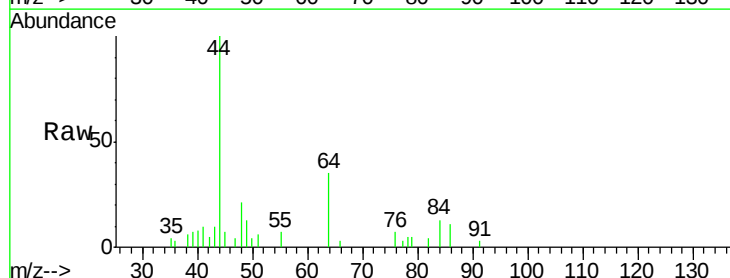
Ion Ratio Lower Upper

84 100

49 104.3 97.1 145.7

51 46.6 30.8 46.2#

86 84.1 52.3 78.5#



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

300

200

100

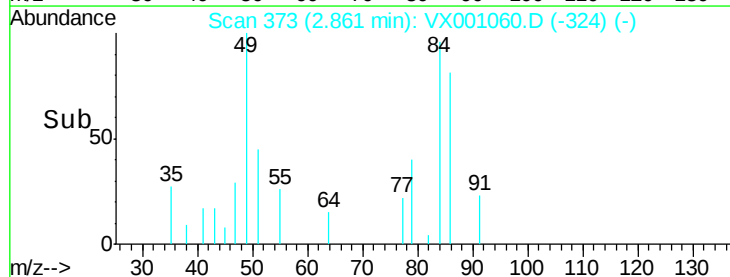
0

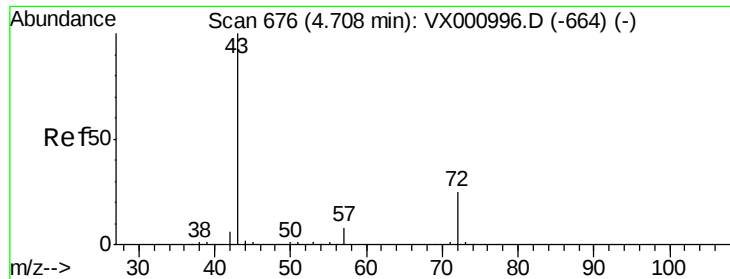
2.80

2.85

2.90

Time-->





#25

2-Butanone

Concen: 0.40 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

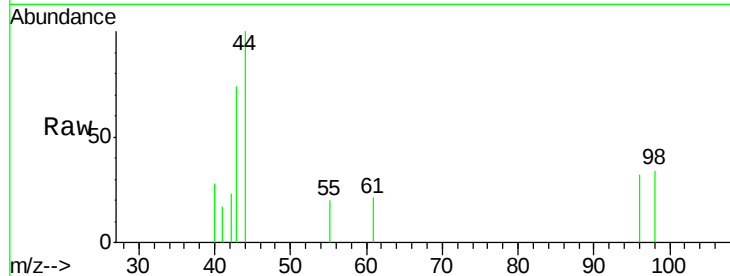
LF014MW015-180412

Tgt Ion: 43 Resp: 638

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

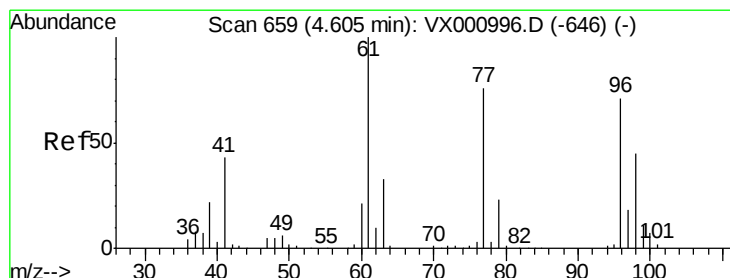
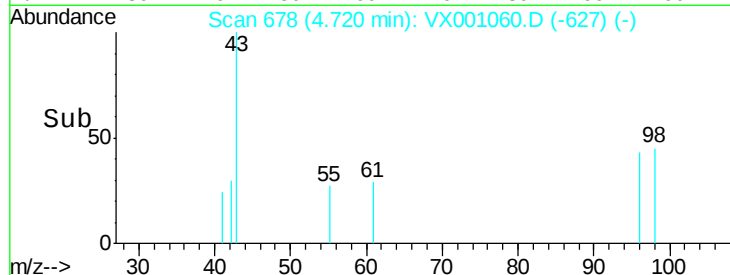
150

100

50

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 41.11 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

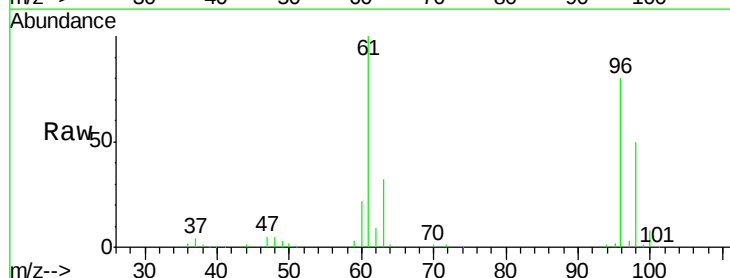
Tgt Ion: 96 Resp: 107532

Ion Ratio Lower Upper

96 100

61 127.9 0.0 297.0

98 64.4 0.0 130.0



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

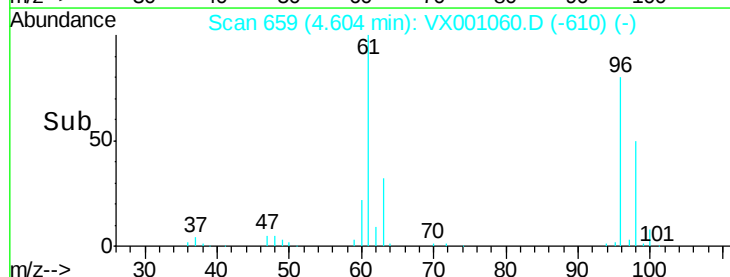
60000

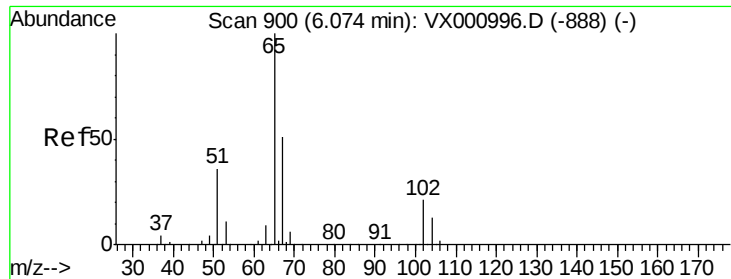
40000

20000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.95 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

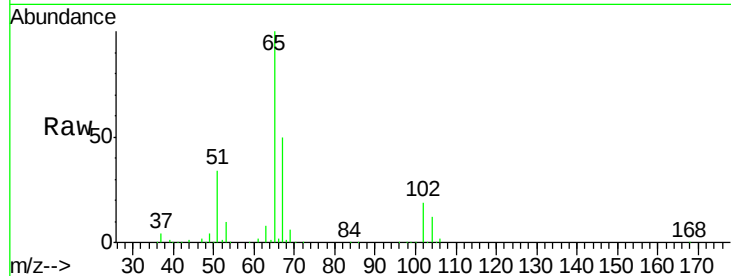
LF014MW015-180412

Tgt Ion: 65 Resp: 142553

Ion Ratio Lower Upper

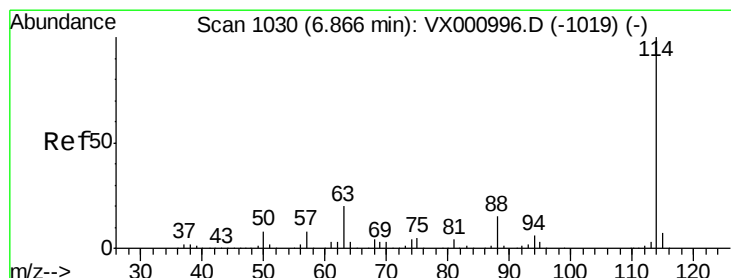
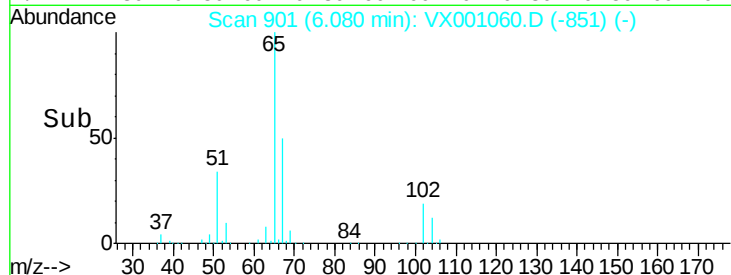
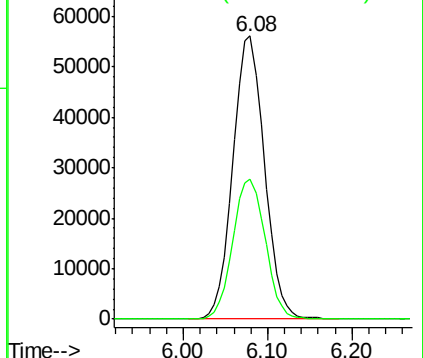
65 100

67 50.9 0.0 102.6



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: VX001060.D

Acq: 23 Apr 2018 15:53

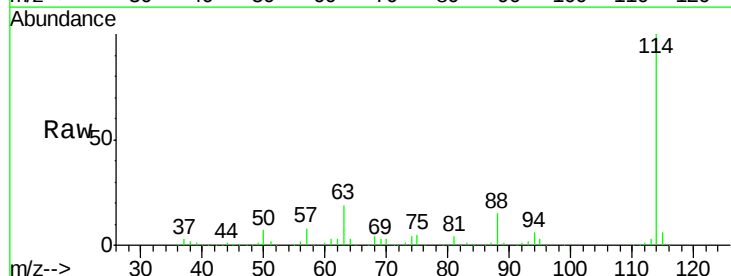
Tgt Ion: 114 Resp: 307259

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

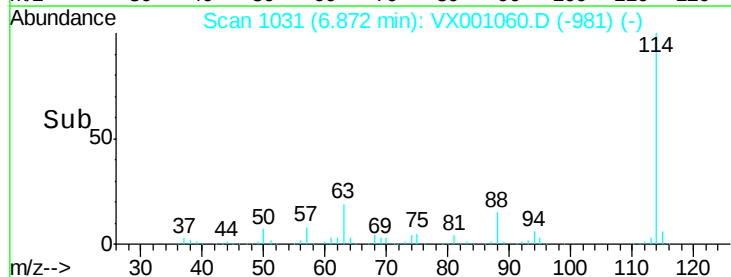
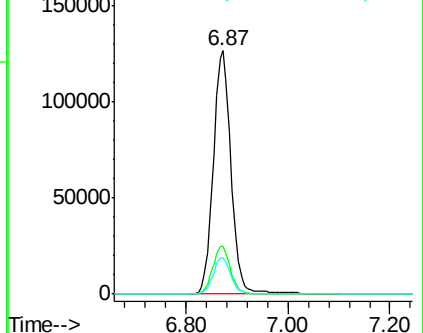
88 15.1 0.0 29.8

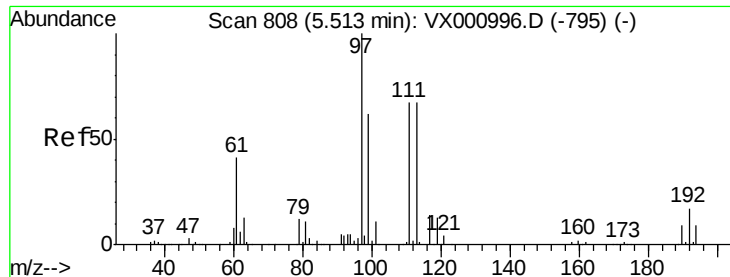


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

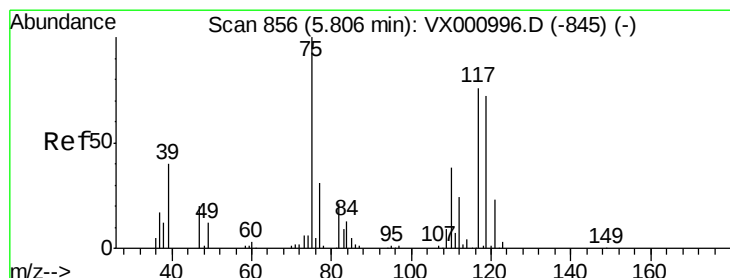
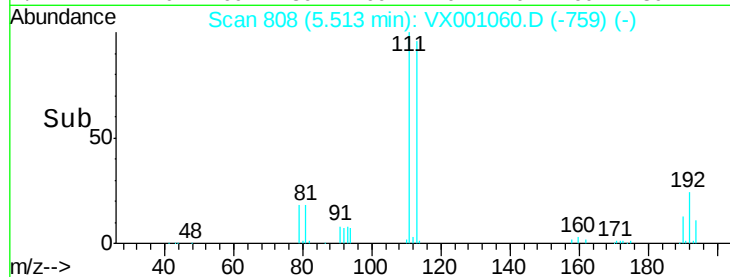
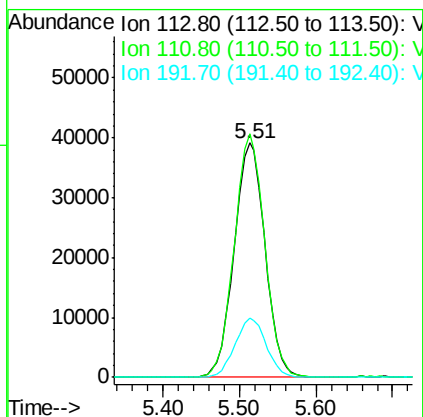
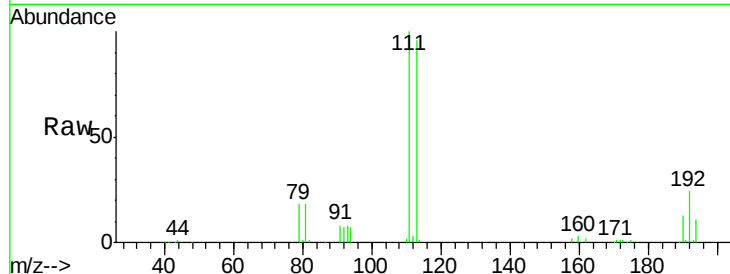




#35  
 Dibromofluoromethane  
 Concen: 46.88 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX001060.D  
 Acq: 23 Apr 2018 15:53

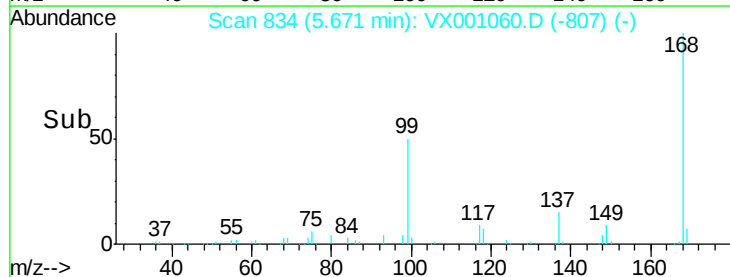
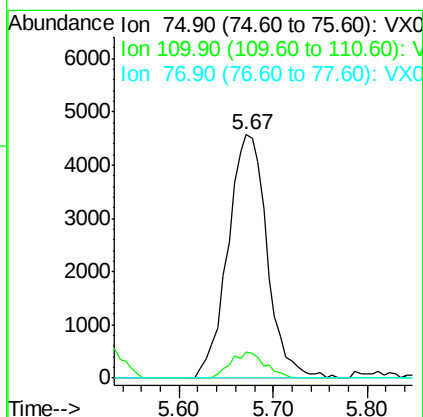
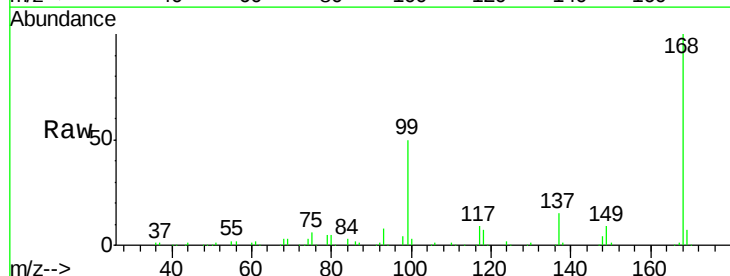
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF014MW015-180412

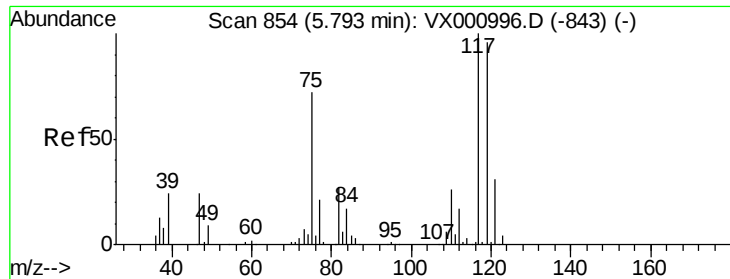
Tgt Ion:113 Resp: 109846  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.4 122.2  
 192 25.3 20.4 30.6



#36  
 1,1-Dichloropropene  
 Concen: 3.65 ug/l  
 RT: 5.67 min Scan# 834  
 Delta R.T. -0.13 min  
 Lab File: VX001060.D  
 Acq: 23 Apr 2018 15:53

Tgt Ion: 75 Resp: 13183  
 Ion Ratio Lower Upper  
 75 100  
 110 9.4 18.7 56.1#  
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.14 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

LF014MW015-180412

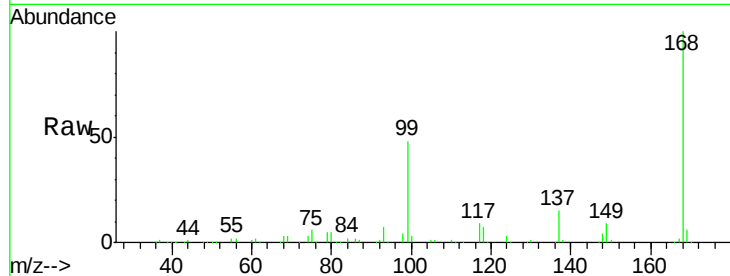
Tgt Ion:117 Resp: 18802

Ion Ratio Lower Upper

117 100

119 3.8 76.5 114.7#

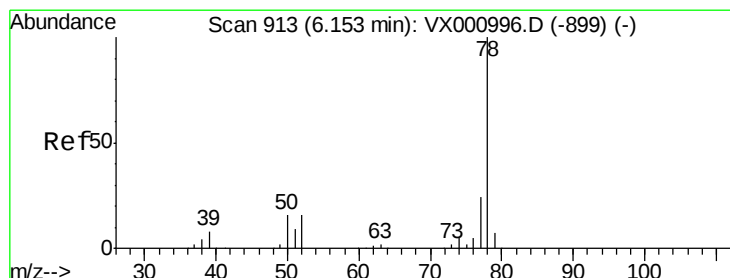
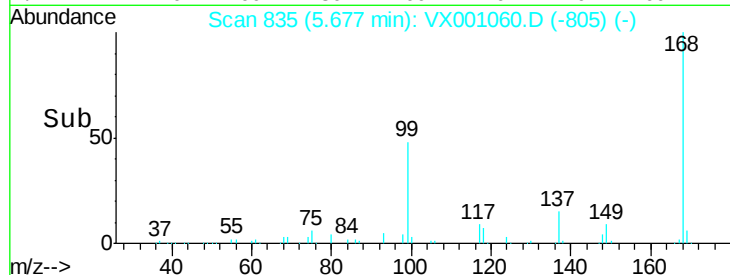
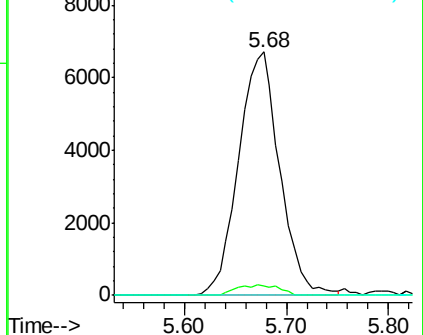
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.76 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001060.D

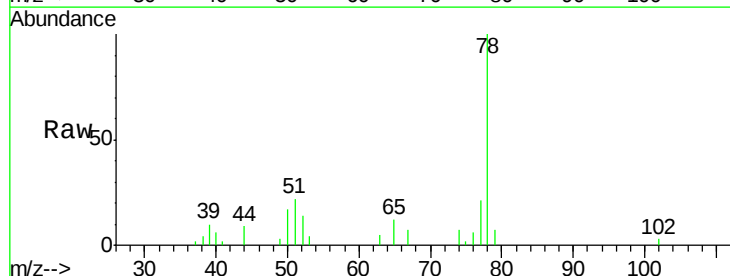
Acq: 23 Apr 2018 15:53

Tgt Ion: 78 Resp: 7579

Ion Ratio Lower Upper

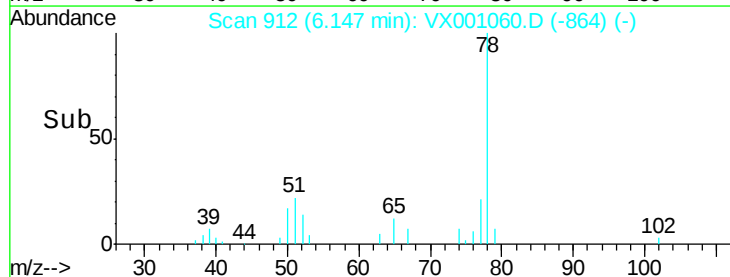
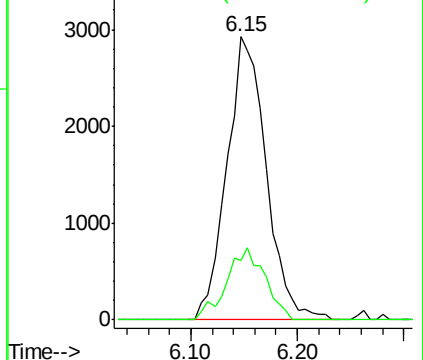
78 100

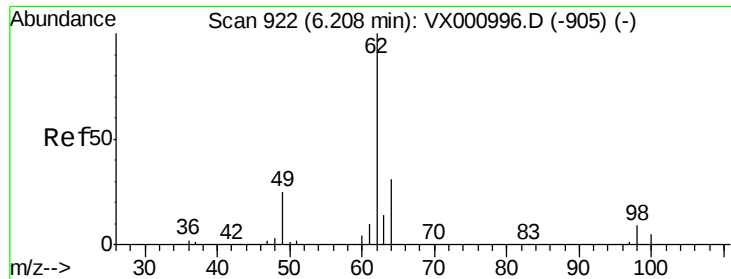
77 20.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

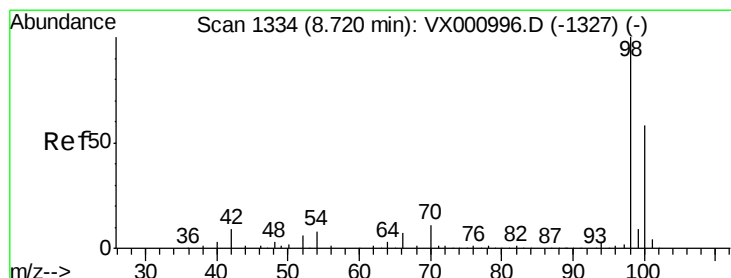
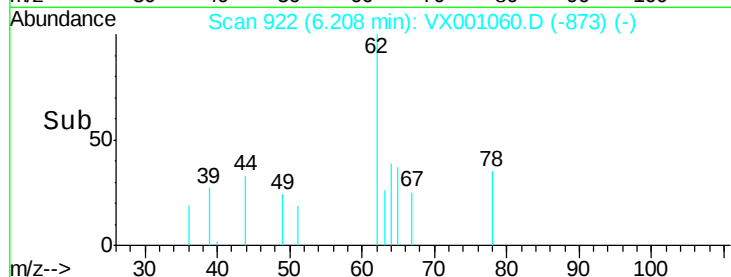
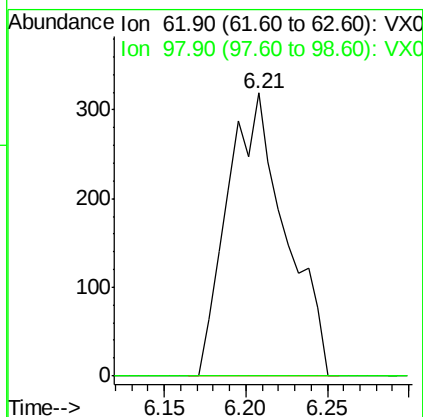
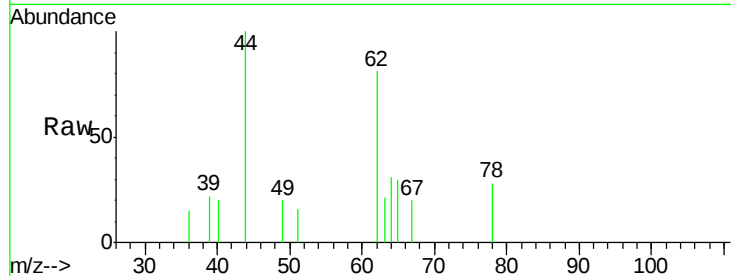




#42  
 1,2-Dichloroethane  
 Concen: 0.20 ug/l  
 RT: 6.21 min Scan# 922  
 Delta R.T. -0.00 min  
 Lab File: VX001060.D  
 Acq: 23 Apr 2018 15:53

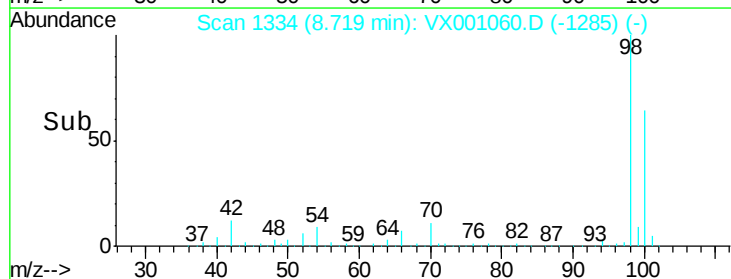
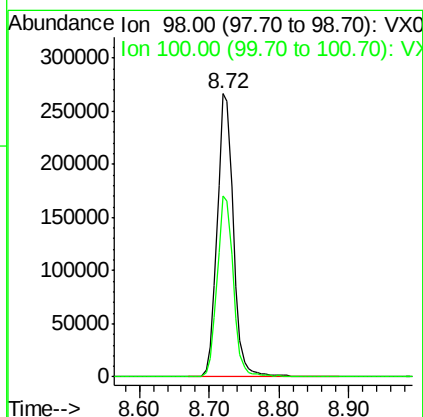
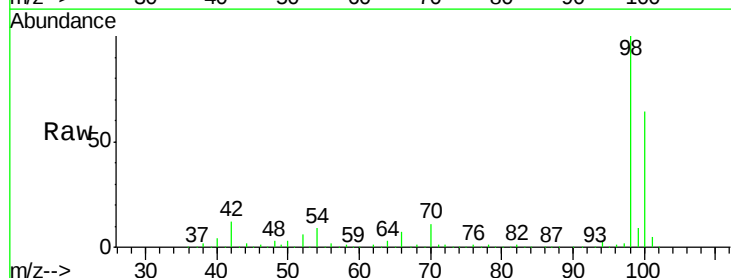
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF014MW015-180412

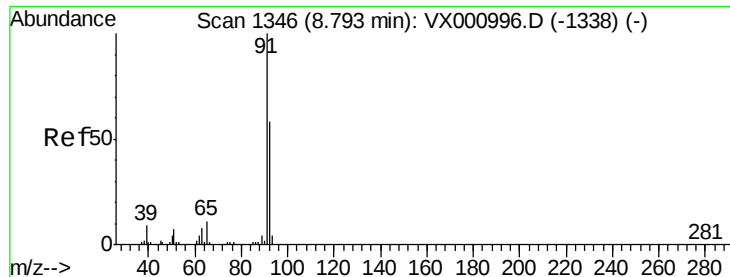
Tgt Ion: 62 Resp: 789  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 0.0 17.6



#50  
 Toluene-d8  
 Concen: 49.59 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: VX001060.D  
 Acq: 23 Apr 2018 15:53

Tgt Ion: 98 Resp: 429624  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 51.9 77.9





#52

Toluene

Concen: 0.51 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

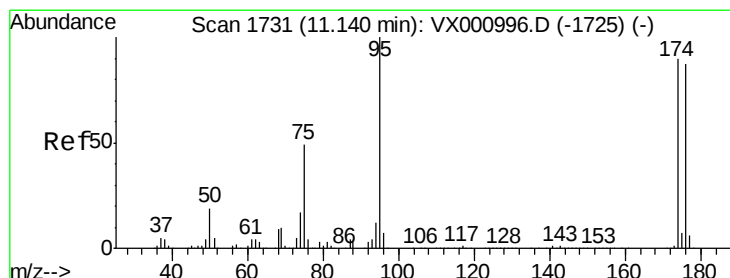
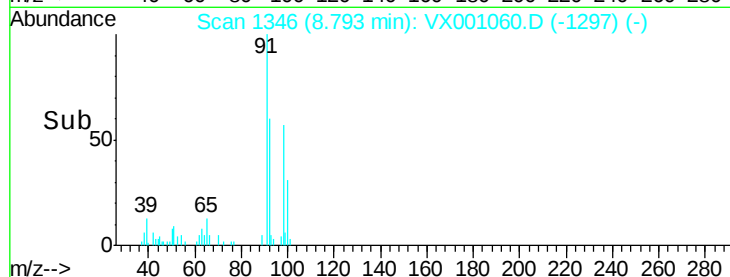
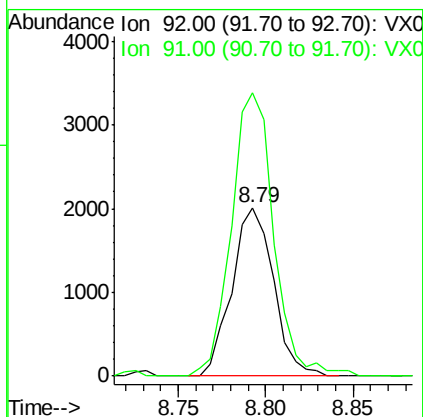
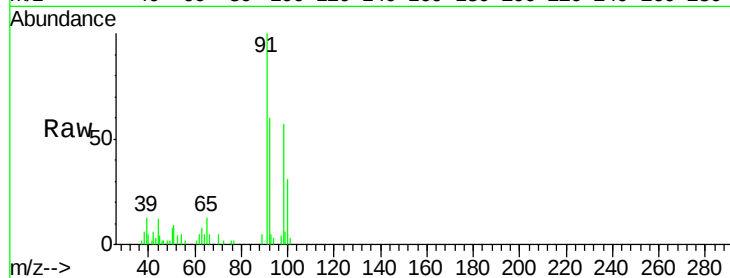
LF014MW015-180412

Tgt Ion: 92 Resp: 3326

Ion Ratio Lower Upper

92 100

91 171.5 138.2 207.4



#62

4-Bromofluorobenzene

Concen: 45.81 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

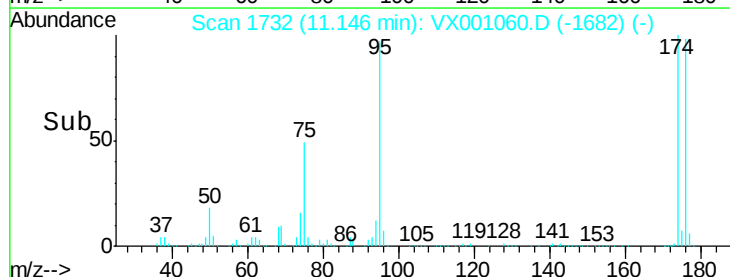
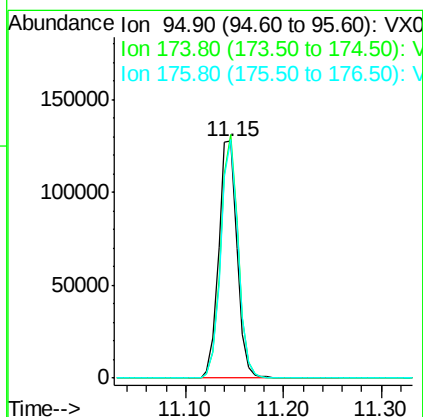
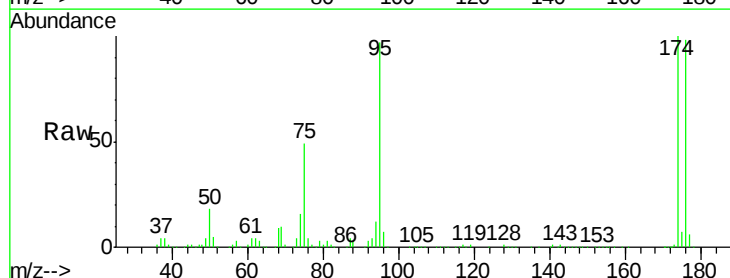
Tgt Ion: 95 Resp: 166553

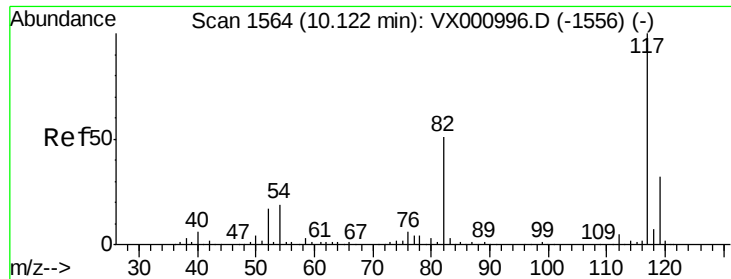
Ion Ratio Lower Upper

95 100

174 97.1 0.0 198.4

176 95.1 0.0 192.0

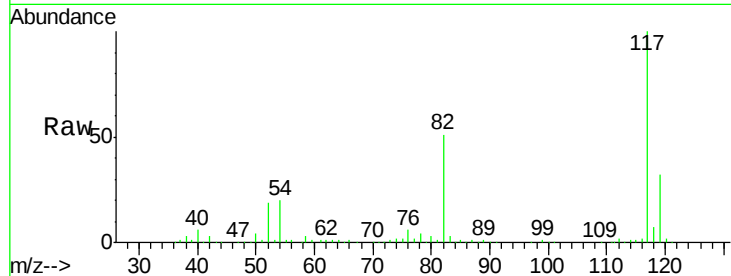




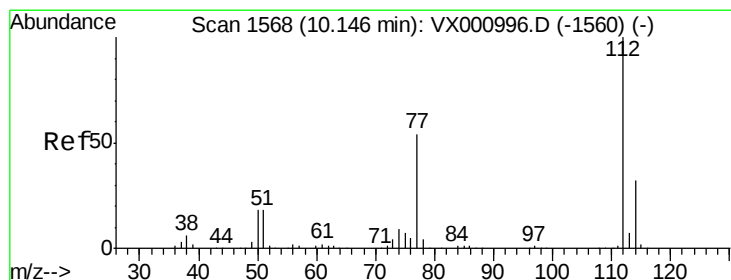
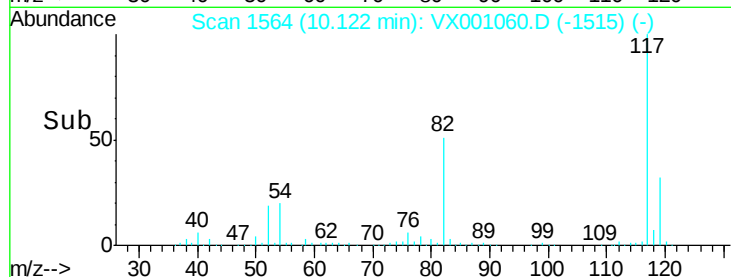
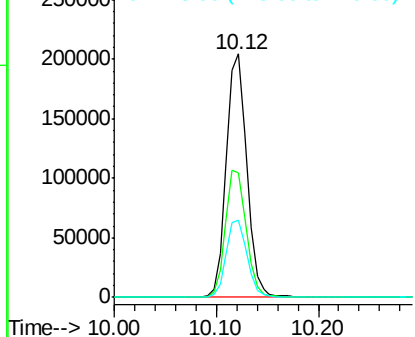
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX001060.D  
Acq: 23 Apr 2018 15:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF014MW015-180412

Tgt Ion:117 Resp: 285058  
Ion Ratio Lower Upper  
117 100  
82 51.4 40.6 60.8  
119 31.8 26.0 39.0

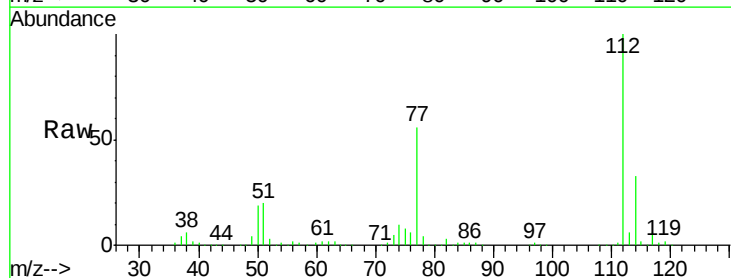


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

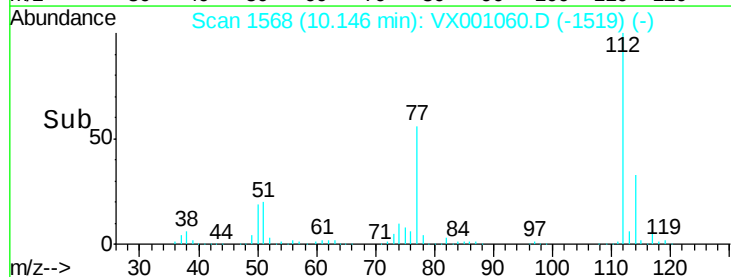
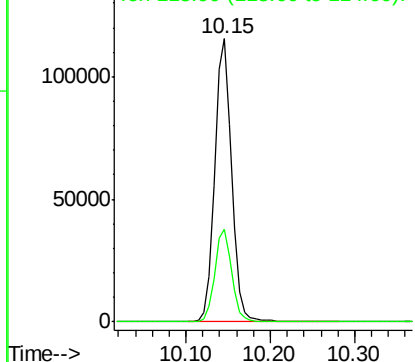


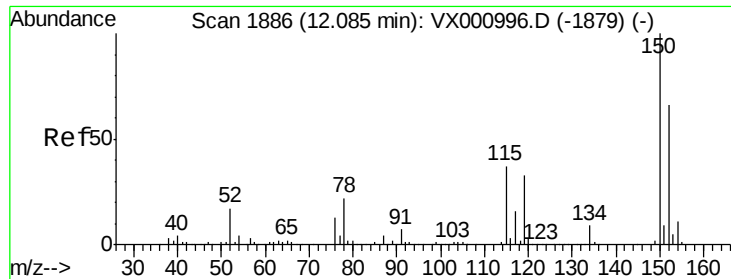
#65  
Chlorobenzene  
Concen: 21.15 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX001060.D  
Acq: 23 Apr 2018 15:53

Tgt Ion:112 Resp: 160552  
Ion Ratio Lower Upper  
112 100  
114 33.0 25.5 38.3



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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

LF014MW015-180412

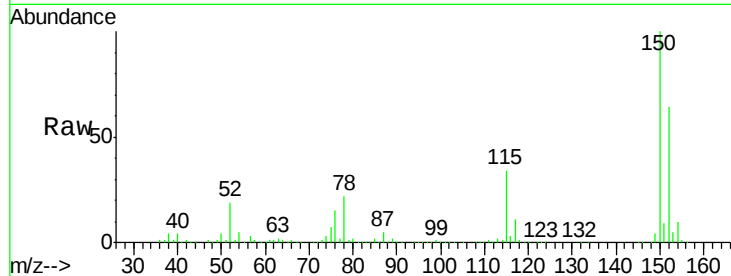
Tgt Ion:152 Resp: 189217

Ion Ratio Lower Upper

152 100

115 53.7 38.2 114.6

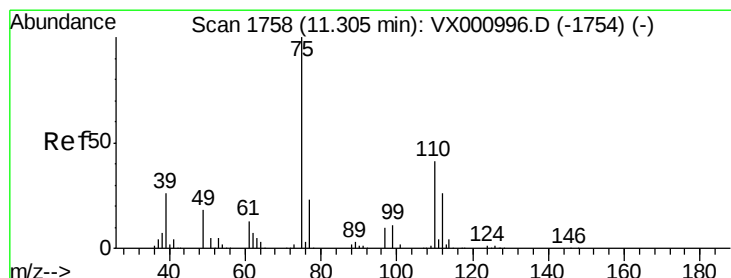
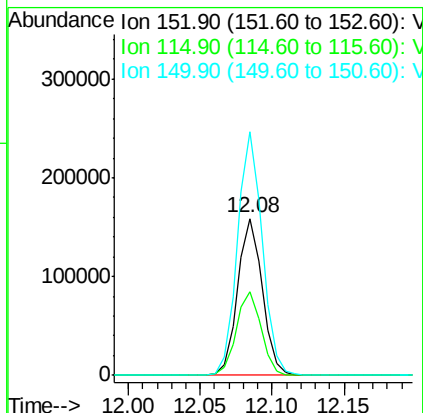
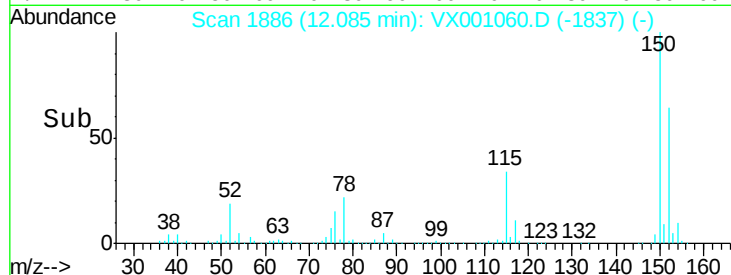
150 156.7 0.0 350.4



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



#76

1,2,3-Trichloropropane

Concen: 26.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001060.D

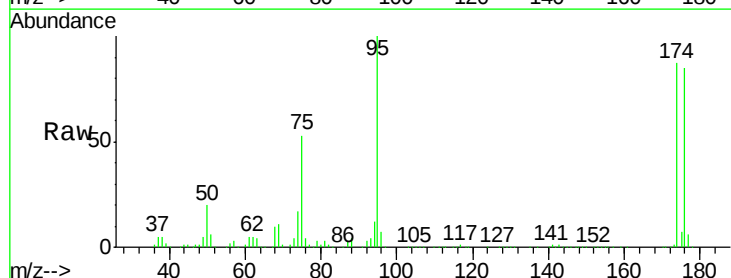
Acq: 23 Apr 2018 15:53

Tgt Ion: 75 Resp: 85588

Ion Ratio Lower Upper

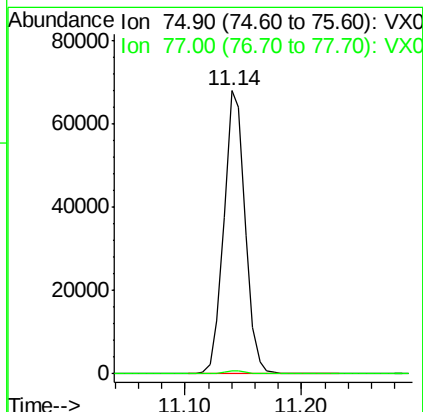
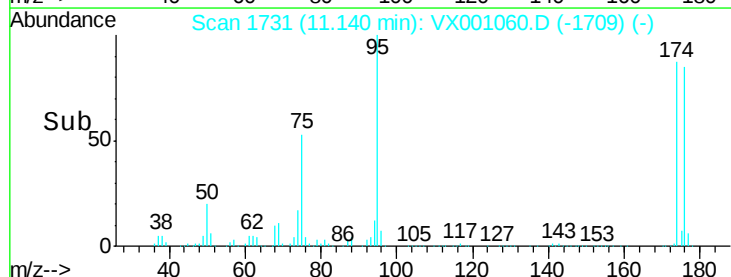
75 100

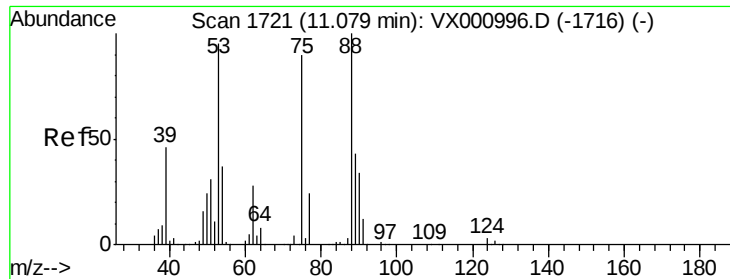
77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

LF014MW015-180412

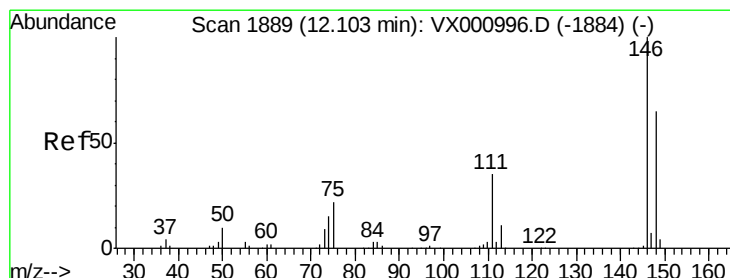
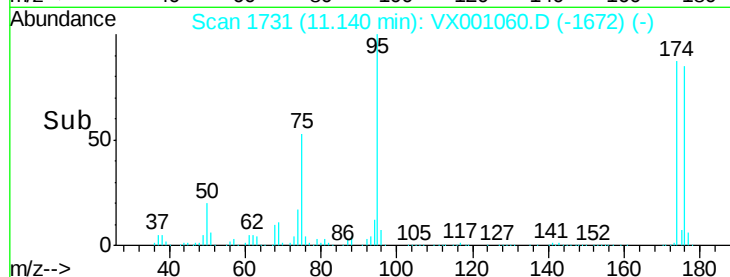
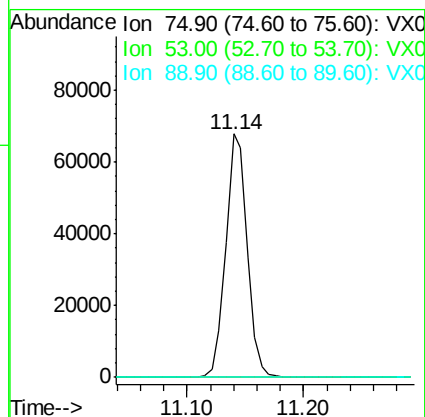
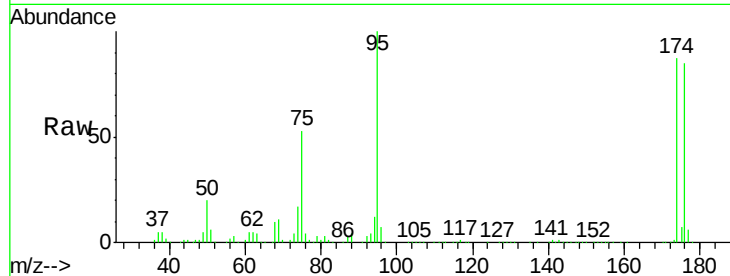
Tgt Ion: 75 Resp: 85588

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



#88

1,4-Dichlorobenzene

Concen: 2.04 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001060.D

Acq: 23 Apr 2018 15:53

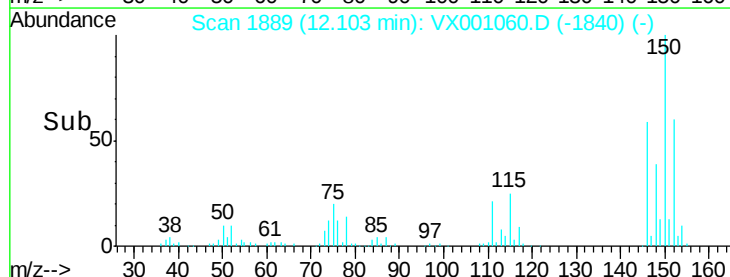
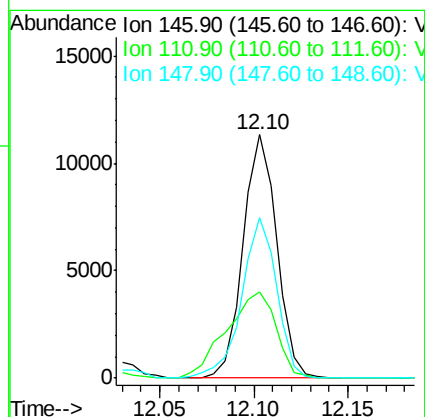
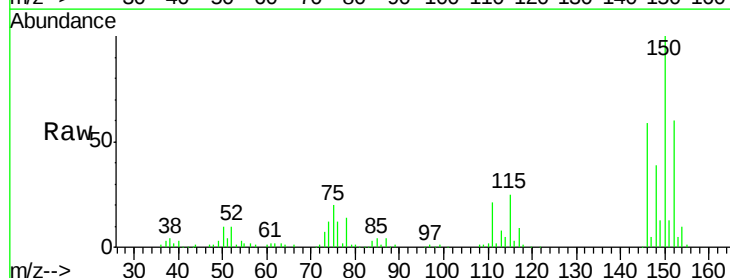
Tgt Ion: 146 Resp: 14059

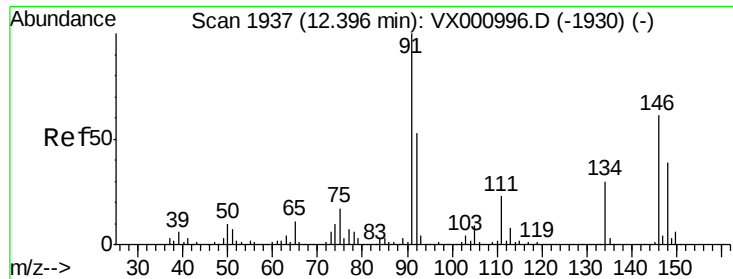
Ion Ratio Lower Upper

146 100

111 52.1 18.0 54.0

148 68.3 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 1.50 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001060.D

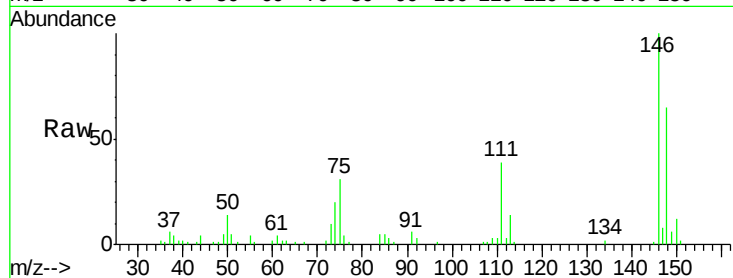
Acq: 23 Apr 2018 15:53

Instrument :

MSVOA\_X

ClientSampleId :

LF014MW015-180412



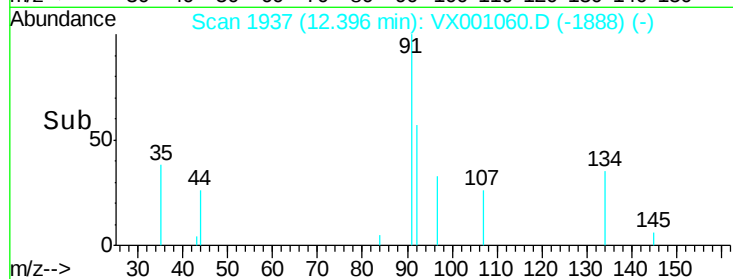
Tgt Ion:146 Resp: 9771

Ion Ratio Lower Upper

146 100

111 39.6 18.6 56.0

148 63.6 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

