

Data File : VX001091.D

Acq On : 24 Apr 2018 22:18

Operator : JC/MD

Sample : J2464-11

Misc : 5.0mL/MSVOA\_X/WATER

ALS Vial : 19 Sample Multiplier: 1

Instrument :

MSVOA\_X

ClientSampleId :

LF015MW100-180418

Quant Time: Apr 25 07:23:41 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  | 238984   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 334284   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 297475   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 165974   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.08   | 65  | 171721   | 56.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 113.36% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 131112   | 51.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.88% |      |
| 50) Toluene-d8            | 8.72   | 98  | 500695   | 53.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.24% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 173251   | 43.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.60%  |      |

## Target Compounds

|                                |       |     |         |        |      | Qvalue |
|--------------------------------|-------|-----|---------|--------|------|--------|
| 3) Chloromethane               | 1.40  | 50  | 18734   | 6.79   | ug/l | # 43   |
| 4) Vinyl Chloride              | 1.40  | 62  | 2794889 | 977.07 | ug/l | 99     |
| 5) Bromomethane                | 1.65  | 94  | 443     | Below  | Cal  | 89     |
| 10) Methyl Iodide              | 2.53  | 142 | 304     | 7.70   | ug/l | # 73   |
| 11) Tert butyl alcohol         | 3.08  | 59  | 1717    | 3.76   | ug/l | # 81   |
| 12) 1,1-Dichloroethene         | 2.38  | 96  | 51149   | 21.97  | ug/l | 97     |
| 13) Acrolein                   | 2.29  | 56  | 249     | 12.61  | ug/l | # 78   |
| 15) Acrylonitrile              | 3.15  | 53  | 470     | 0.38   | ug/l | 89     |
| 16) Acetone                    | 2.45  | 43  | 6662    | 5.84   | ug/l | 96     |
| 17) Carbon Disulfide           | 2.57  | 76  | 2415    | 0.36   | ug/l | 97     |
| 20) Methylene Chloride         | 2.86  | 84  | 910     | Below  | Cal  | # 74   |
| 21) trans-1,2-Dichloroethene   | 3.17  | 96  | 2741    | 1.06   | ug/l | 95     |
| 22) Diisopropyl ether          | 3.88  | 45  | 17281   | 2.12   | ug/l | # 85   |
| 23) Vinyl Acetate              | 3.89  | 43  | 9470    | 1.40   | ug/l | # 73   |
| 24) 1,1-Dichloroethane         | 3.70  | 63  | 1669    | 0.36   | ug/l | # 83   |
| 25) 2-Butanone                 | 4.71  | 43  | 2799    | 1.57   | ug/l | 92     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96  | 190637  | 66.02  | ug/l | 89     |
| 31) Cyclohexane                | 5.58  | 56  | 22201   | 5.20   | ug/l | 98     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 20906   | 5.26   | ug/l | # 16   |
| 39) Methylcyclohexane          | 7.47  | 83  | 27973   | 6.12   | ug/l | 96     |
| 40) Benzene                    | 6.15  | 78  | 115904  | 10.61  | ug/l | 99     |
| 44) Trichloroethene            | 7.22  | 130 | 169292  | 50.74  | ug/l | 99     |
| 45) 1,2-Dichloropropane        | 7.53  | 63  | 2337    | 0.85   | ug/l | 95     |
| 52) Toluene                    | 8.79  | 92  | 4954    | 0.69   | ug/l | 95     |
| 55) 1,1,2-Trichloroethane      | 9.23  | 97  | 1118    | 0.39   | ug/l | # 82   |
| 59) 2-Hexanone                 | 9.51  | 43  | 1773    | 0.62   | ug/l | 91     |
| 65) Chlorobenzene              | 10.15 | 112 | 5189    | 0.66   | ug/l | 97     |
| 67) Ethyl Benzene              | 10.26 | 91  | 4105    | 0.31   | ug/l | 100    |
| 73) Isopropylbenzene           | 11.02 | 105 | 5781    | 0.53   | ug/l | 96     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 88220   | 30.64  | ug/l | # 38   |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 88220   | 91.16  | ug/l | # 8    |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146 | 1376    | 0.23   | ug/l | 94     |
| 88) 1,4-Dichlorobenzene        | 12.03 | 146 | 1376    | 0.23   | ug/l | 94     |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146 | 9943    | 1.74   | ug/l | 98     |

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX042418\  
Quantitation Report (Not Reviewed)

Data File : VX001091.D  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
LF015MW100-180418

Quant Time: Apr 25 07:23:41 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) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

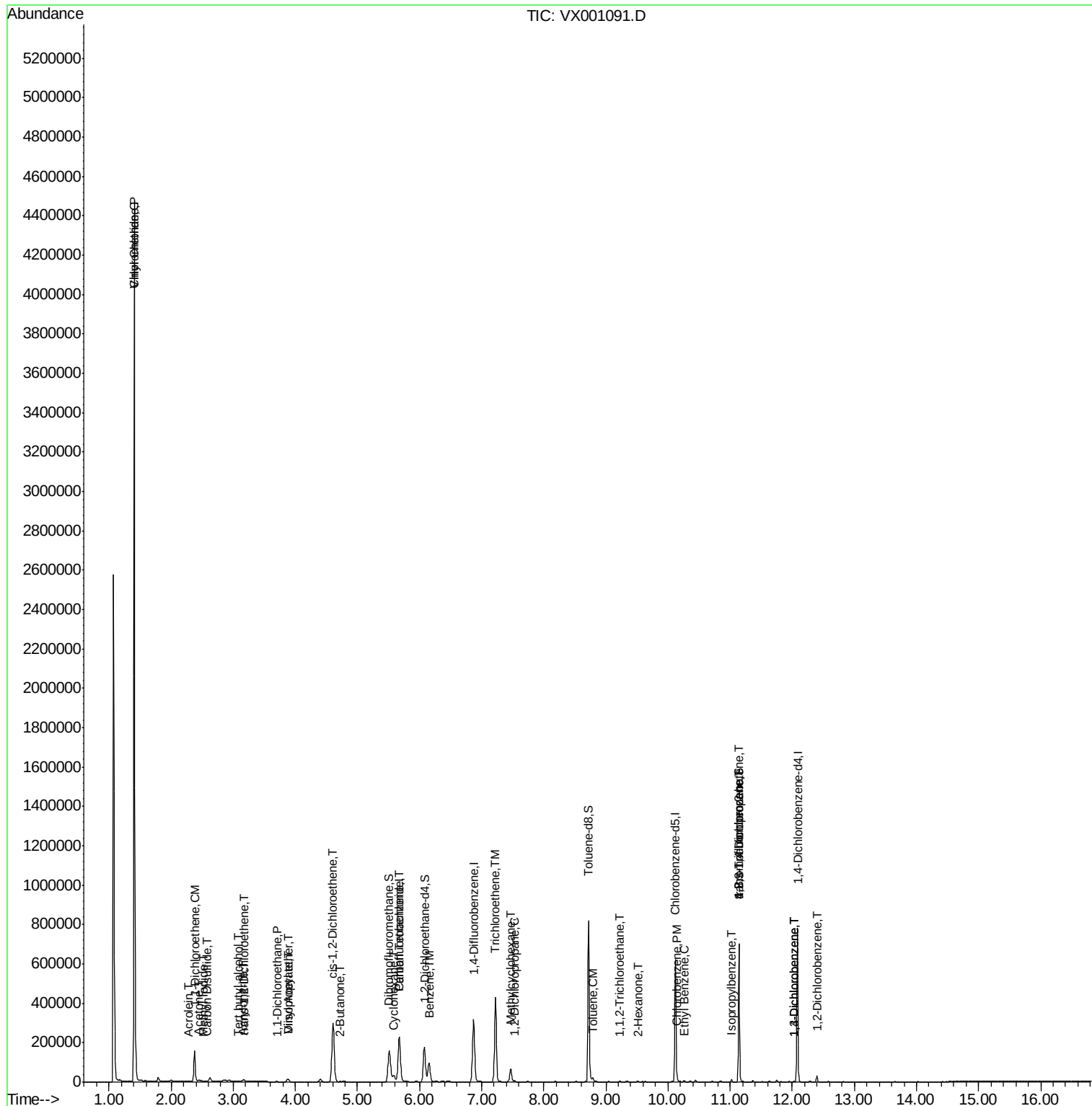
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

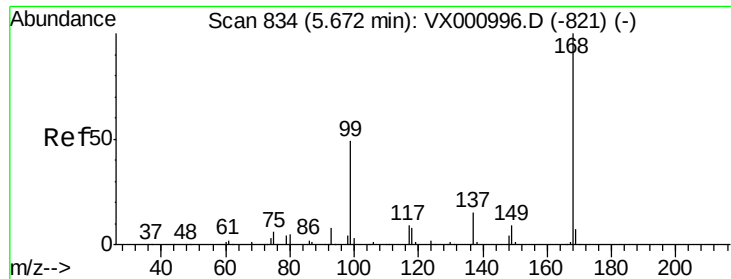
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

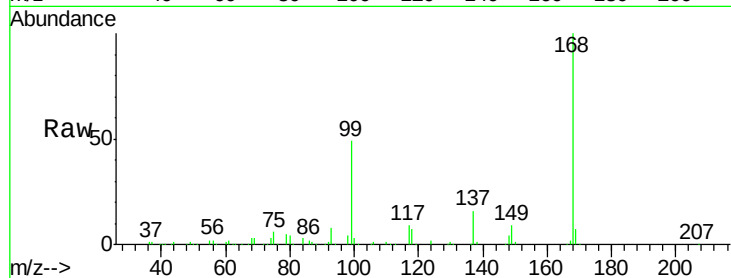
LF015MW100-180418

Tgt Ion:168 Resp: 238984

Ion Ratio Lower Upper

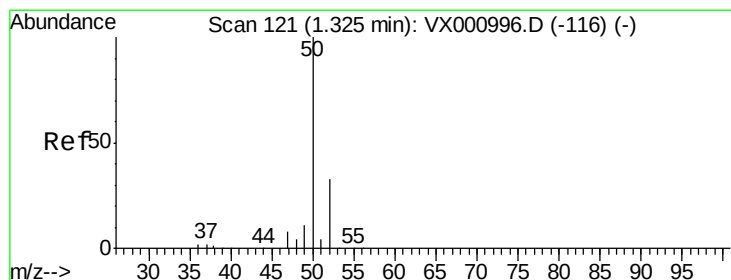
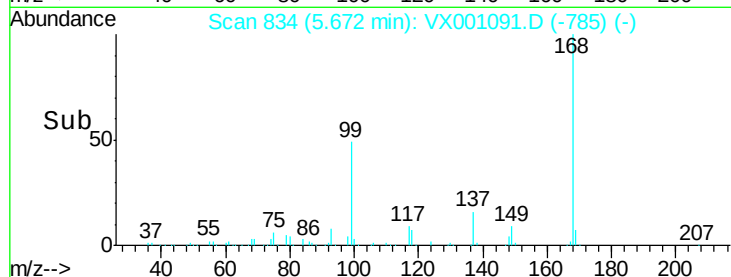
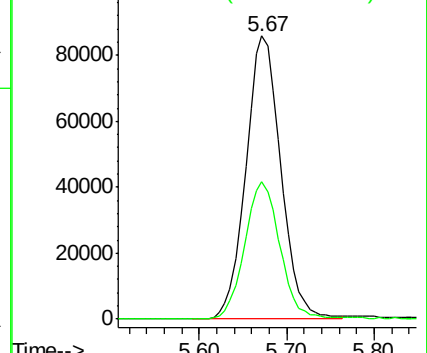
168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 6.79 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.08 min

Lab File: VX001091.D

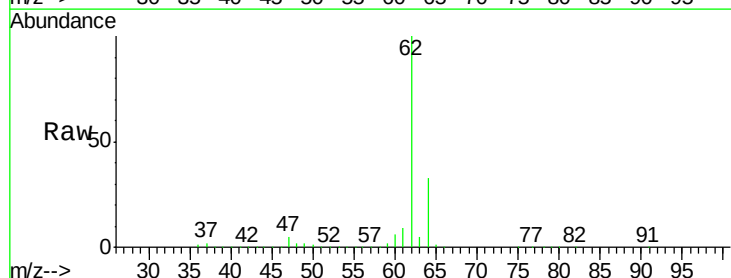
Acq: 24 Apr 2018 22:18

Tgt Ion: 50 Resp: 18734

Ion Ratio Lower Upper

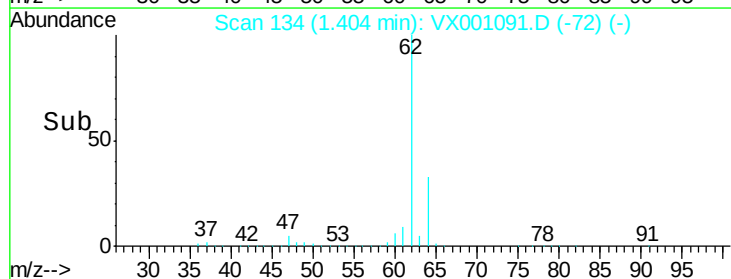
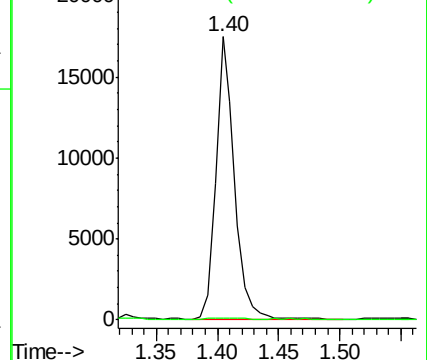
50 100

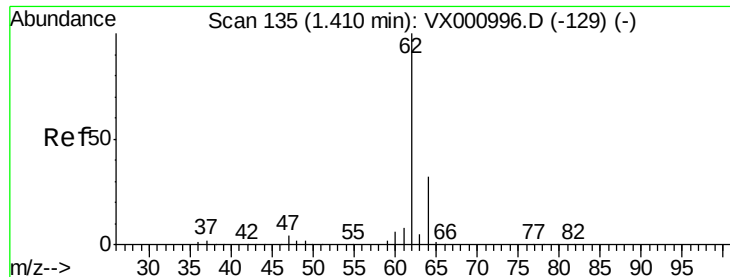
52 0.7 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 977.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

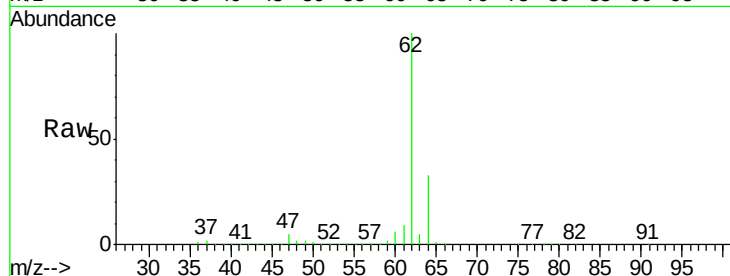
LF015MW100-180418

Tgt Ion: 62 Resp: 2794889

Ion Ratio Lower Upper

62 100

64 32.7 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

2500000

2000000

1500000

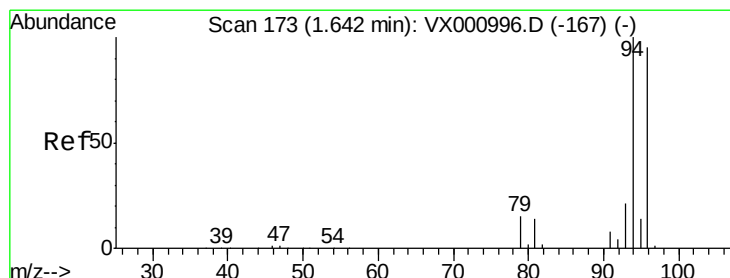
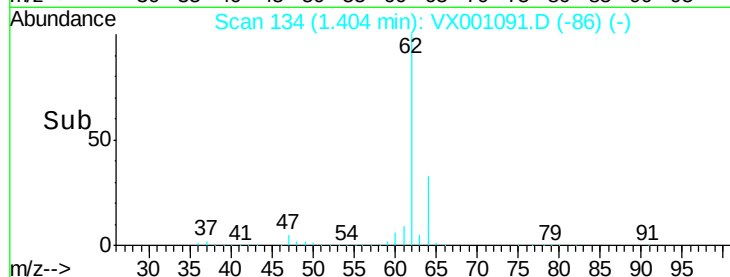
1000000

500000

0

Time-->

1.30 1.40 1.50 1.60



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001091.D

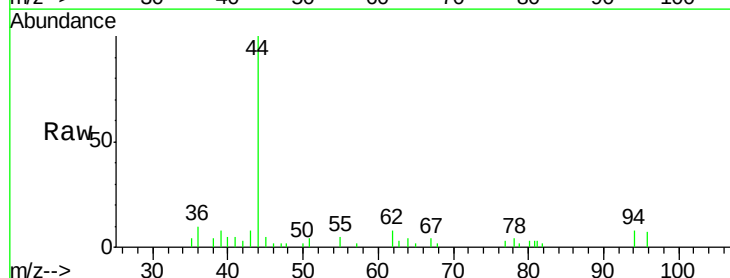
Acq: 24 Apr 2018 22:18

Tgt Ion: 94 Resp: 443

Ion Ratio Lower Upper

94 100

96 83.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

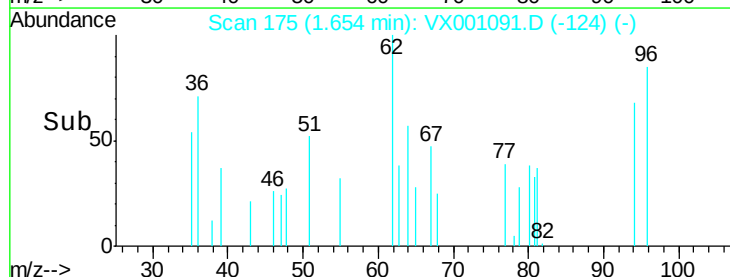
100

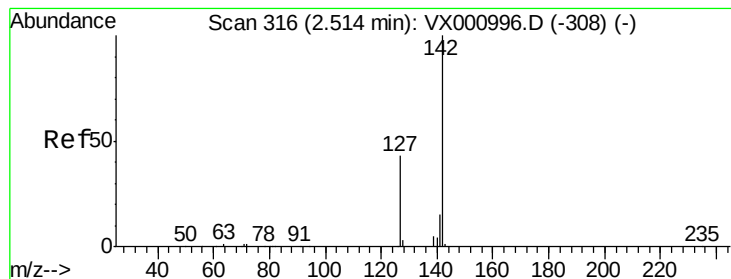
50

0

Time-->

1.60 1.65 1.70





#10

Methyl Iodide

Concen: 7.70 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

LF015MW100-180418

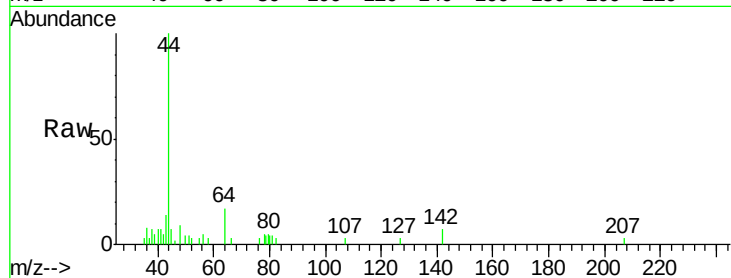
Tgt Ion:142 Resp: 304

Ion Ratio Lower Upper

142 100

127 27.0 34.0 51.0#

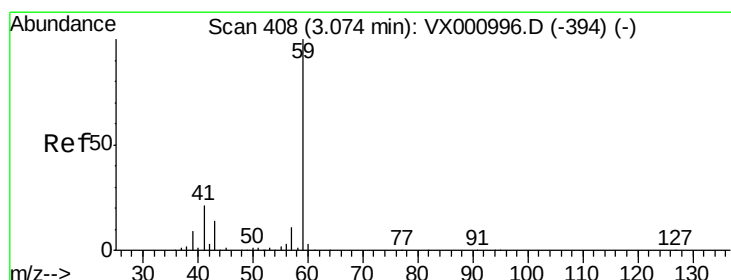
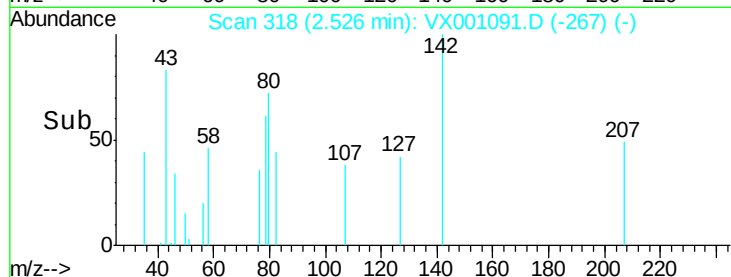
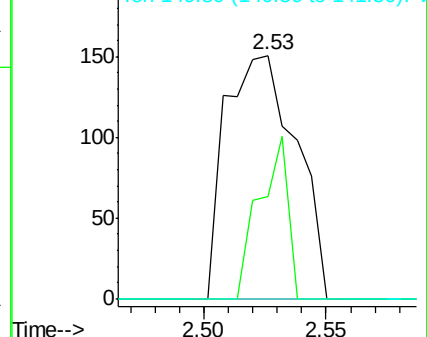
141 0.0 11.4 17.2#



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: 3.76 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX001091.D

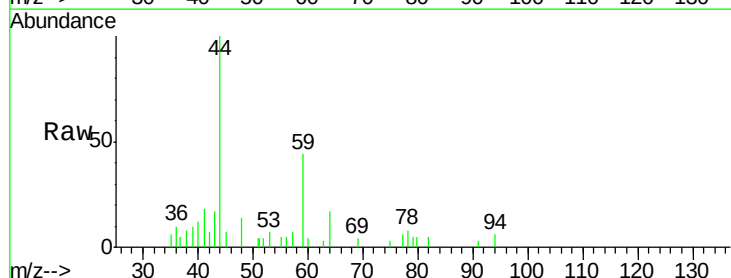
Acq: 24 Apr 2018 22:18

Tgt Ion: 59 Resp: 1717

Ion Ratio Lower Upper

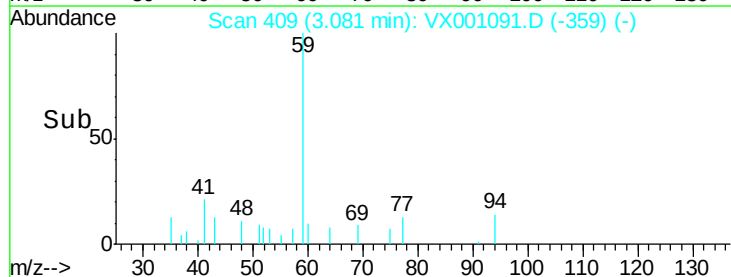
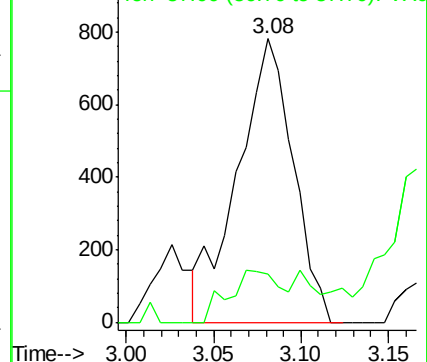
59 100

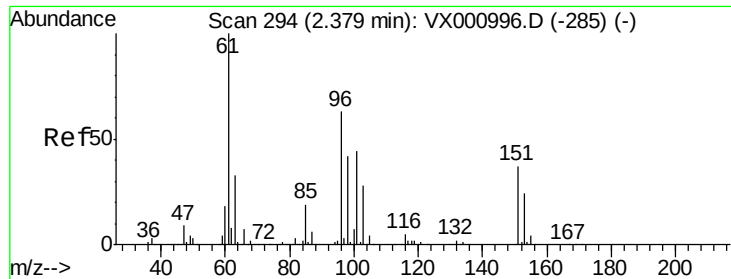
57 17.4 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 21.97 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

LF015MW100-180418

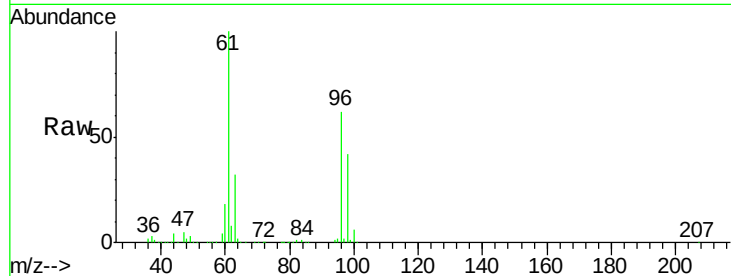
Tgt Ion: 96 Resp: 51149

Ion Ratio Lower Upper

96 100

61 161.7 126.4 189.6

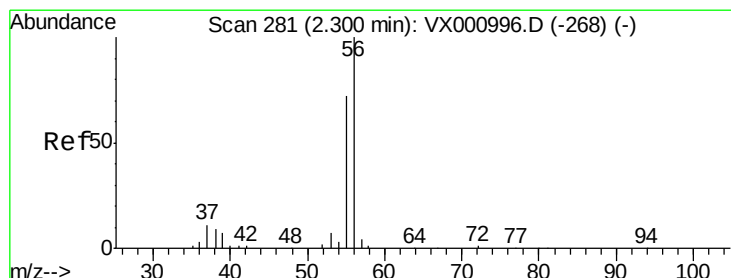
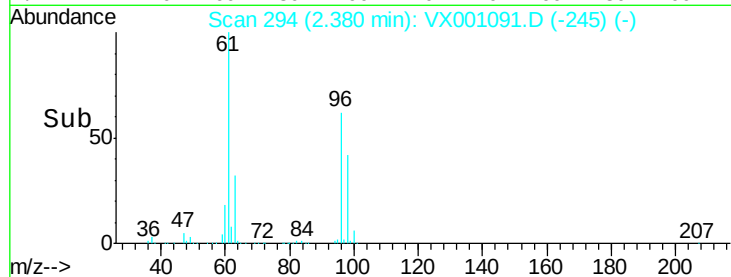
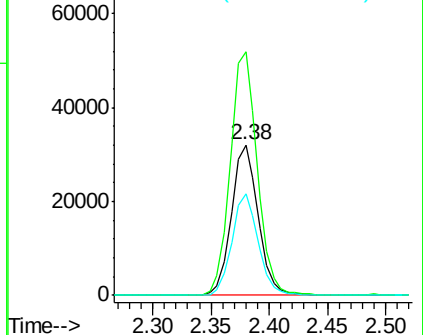
98 67.2 52.6 78.8



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



#13

Acrolein

Concen: 12.61 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001091.D

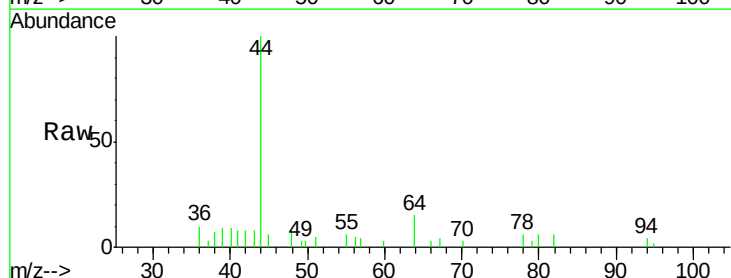
Acq: 24 Apr 2018 22:18

Tgt Ion: 56 Resp: 249

Ion Ratio Lower Upper

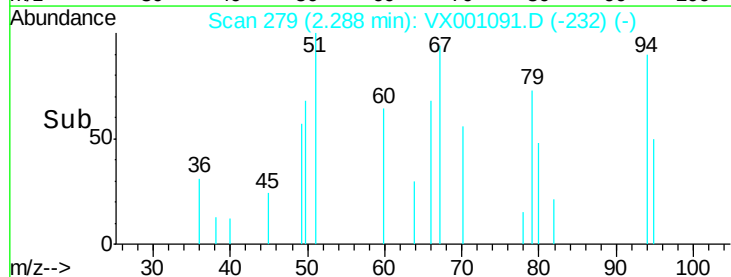
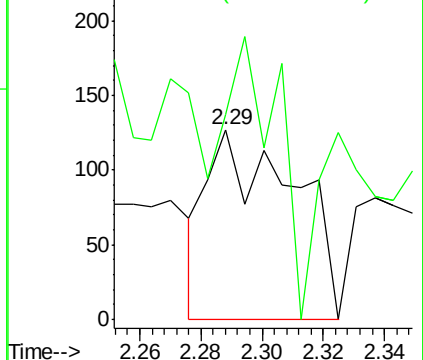
56 100

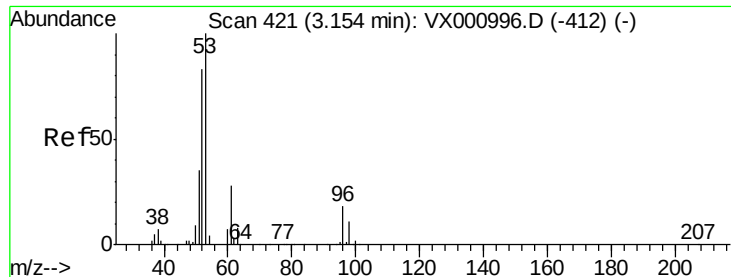
55 90.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.38 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001091.D

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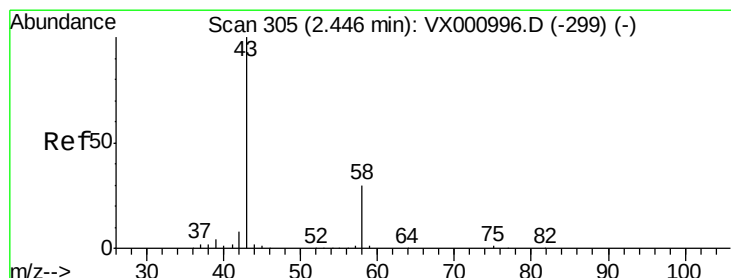
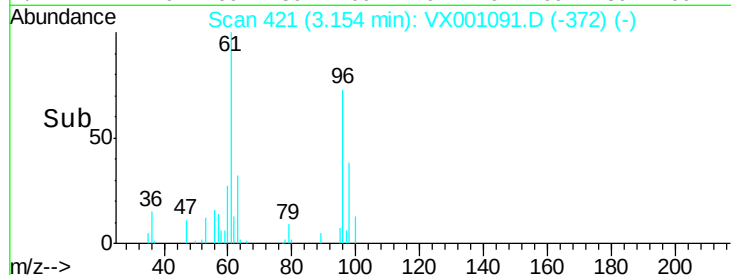
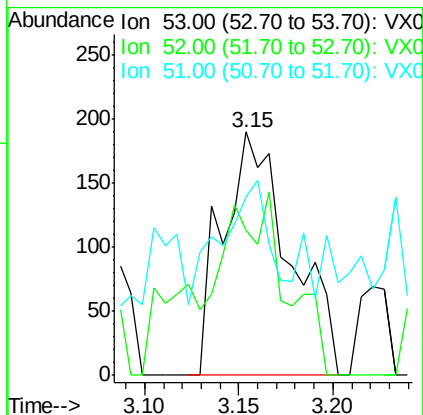
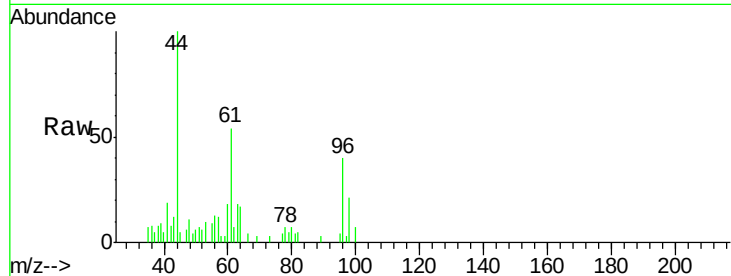
Tgt Ion: 53 Resp: 470

Ion Ratio Lower Upper

53 100

52 68.9 66.4 99.6

51 36.4 29.0 43.6



#16

Acetone

Concen: 5.84 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001091.D

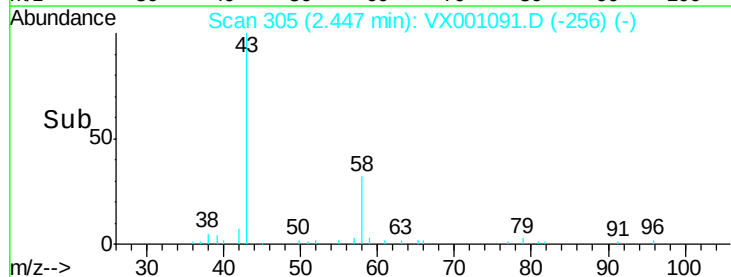
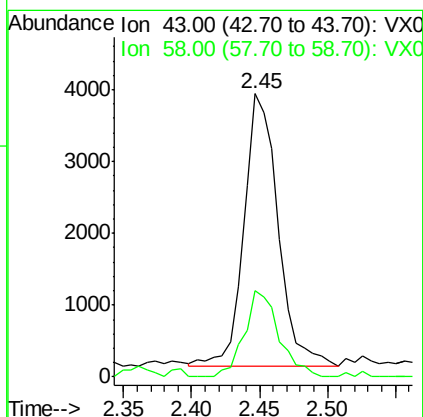
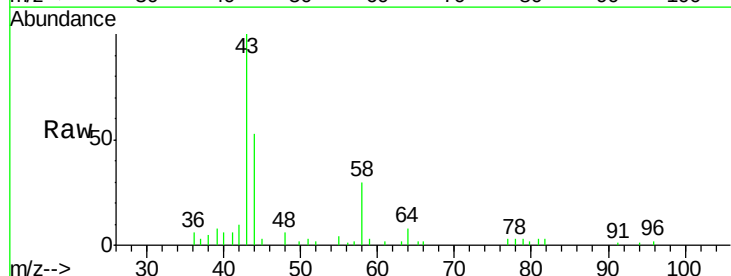
Acq: 24 Apr 2018 22:18

Tgt Ion: 43 Resp: 6662

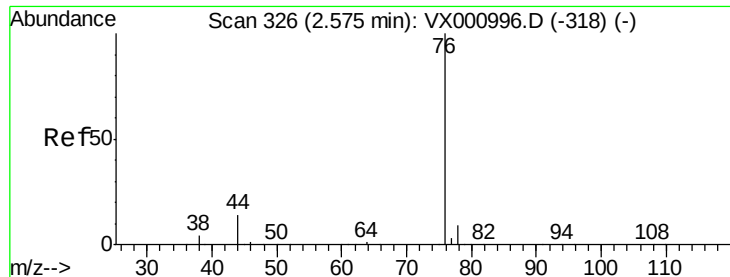
Ion Ratio Lower Upper

43 100

58 31.6 23.7 35.5







#17

Carbon Disulfide

Concen: 0.36 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

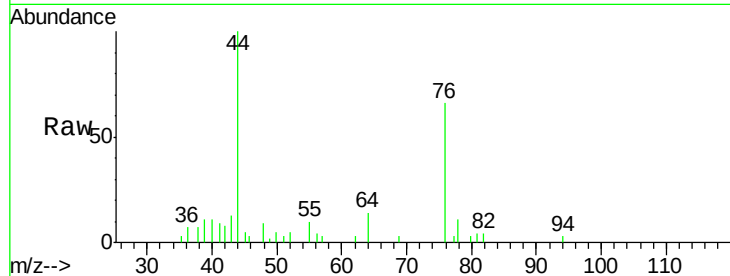
LF015MW100-180418

Tgt Ion: 76 Resp: 2415

Ion Ratio Lower Upper

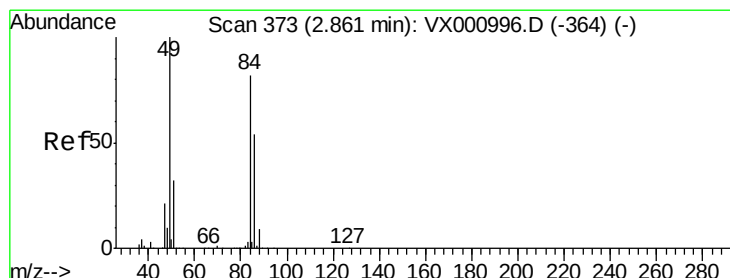
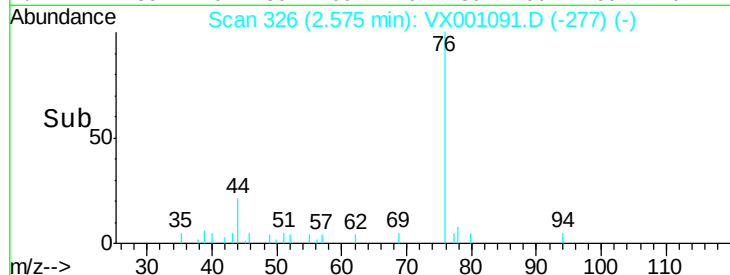
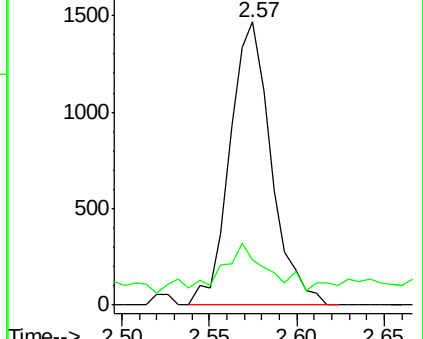
76 100

78 10.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tgt Ion: 84 Resp: 910

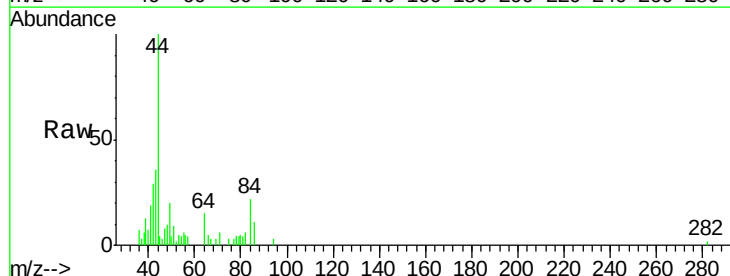
Ion Ratio Lower Upper

84 100

49 91.2 97.1 145.7#

51 21.3 30.8 46.2#

86 48.4 52.3 78.5#

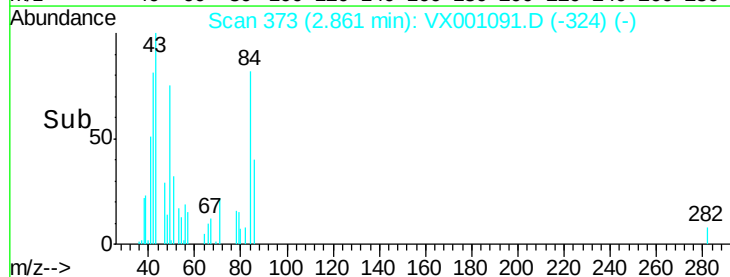
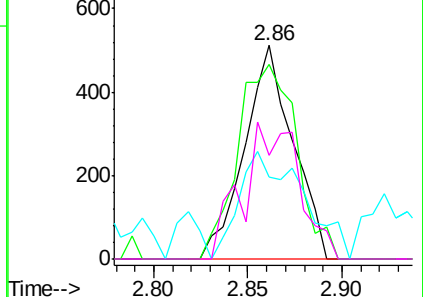


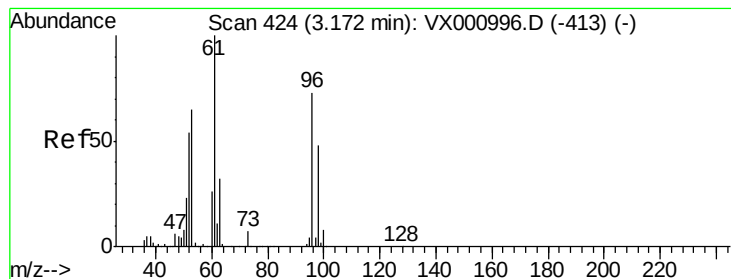
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#21

trans-1,2-Dichloroethene

Concen: 1.06 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

LF015MW100-180418

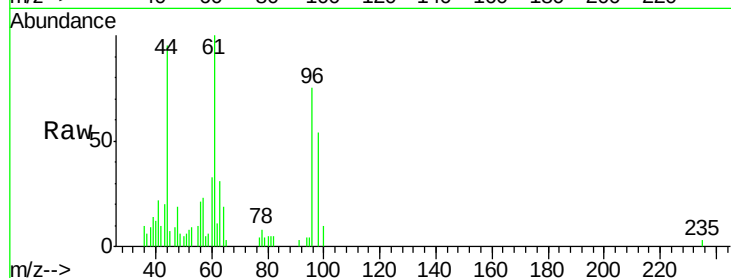
Tgt Ion: 96 Resp: 2741

Ion Ratio Lower Upper

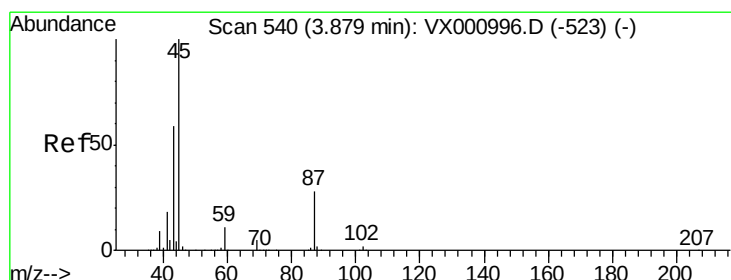
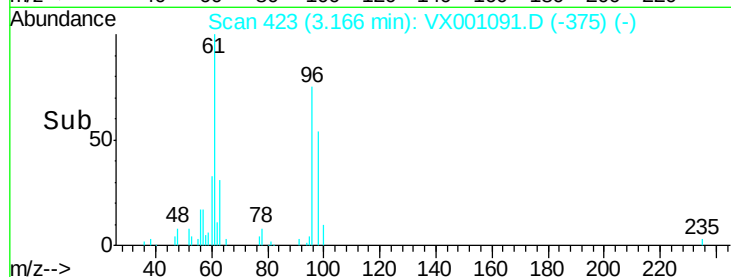
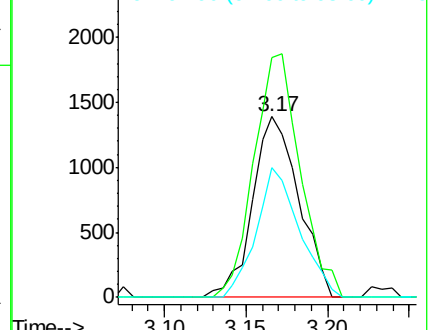
96 100

61 132.8 109.4 164.2

98 71.5 52.6 78.8



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



#22

Diisopropyl ether

Concen: 2.12 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tgt Ion: 45 Resp: 17281

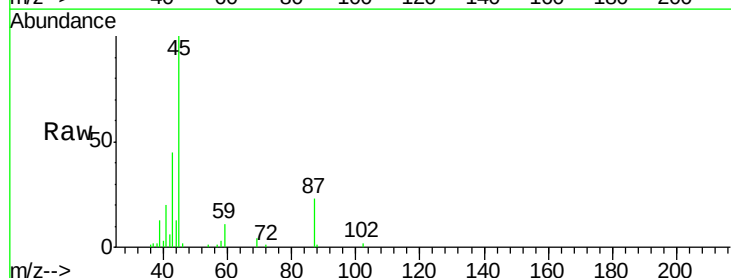
Ion Ratio Lower Upper

45 100

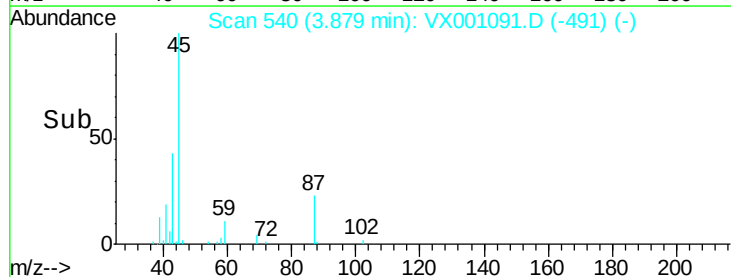
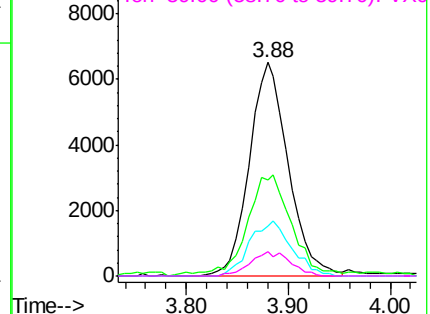
43 43.5 47.0 70.4#

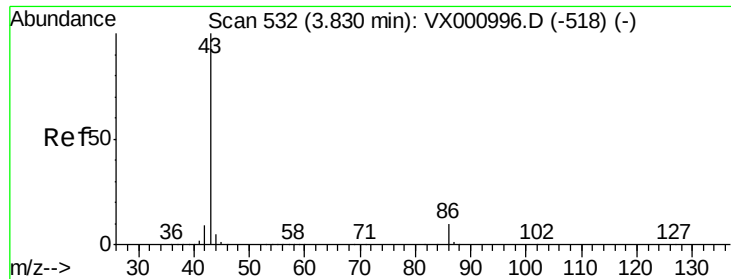
87 23.3 22.5 33.7

59 11.1 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 1.40 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.06 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

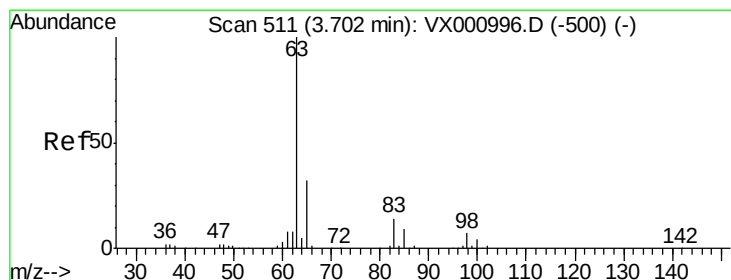
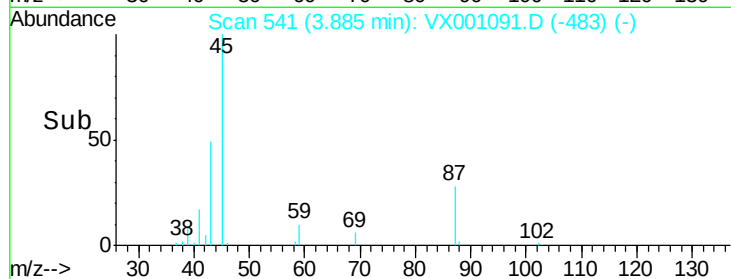
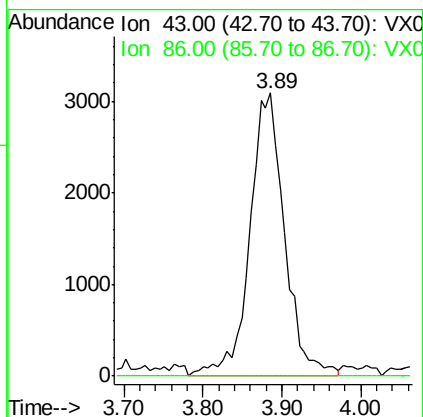
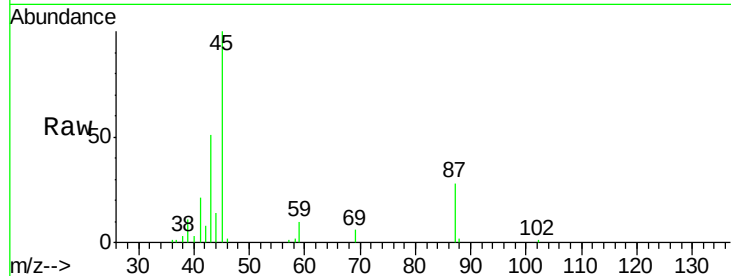
LF015MW100-180418

Tgt Ion: 43 Resp: 9470

Ion Ratio Lower Upper

43 100

86 0.0 8.1 12.1#



#24

1,1-Dichloroethane

Concen: 0.36 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

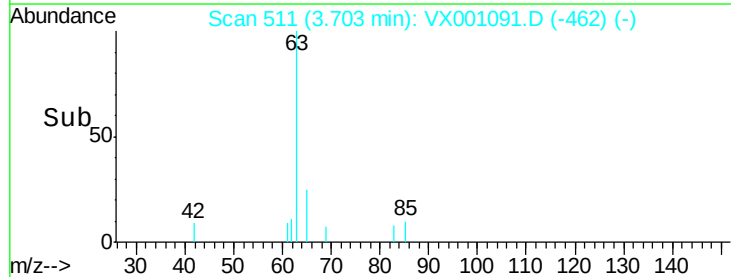
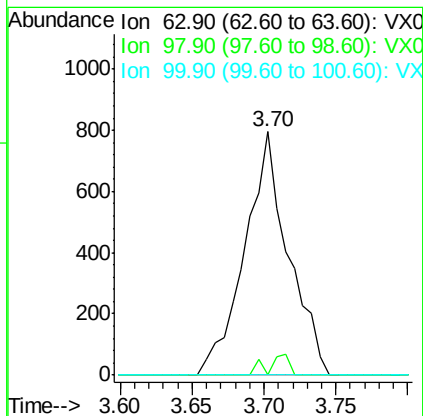
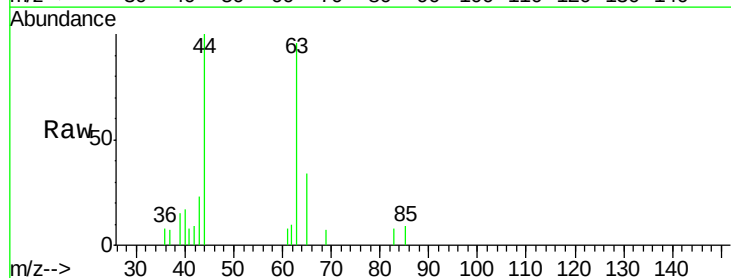
Tgt Ion: 63 Resp: 1669

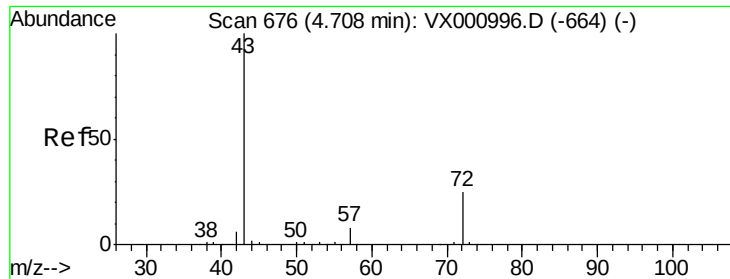
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 1.57 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

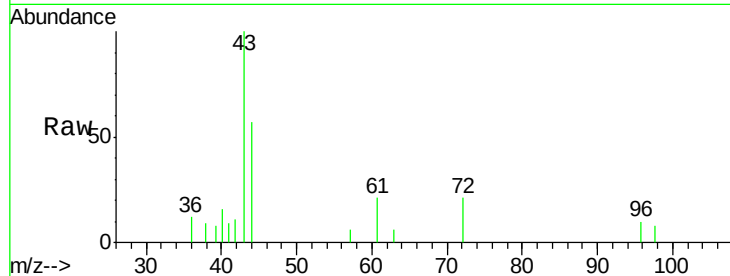
LF015MW100-180418

Tgt Ion: 43 Resp: 2799

Ion Ratio Lower Upper

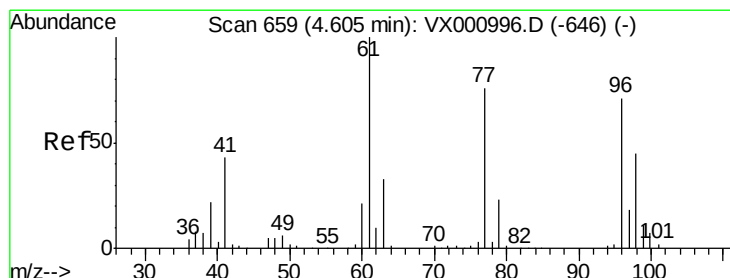
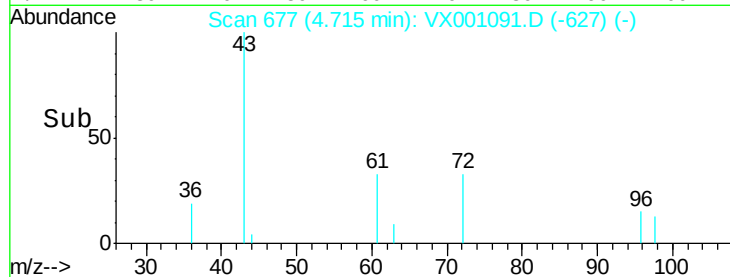
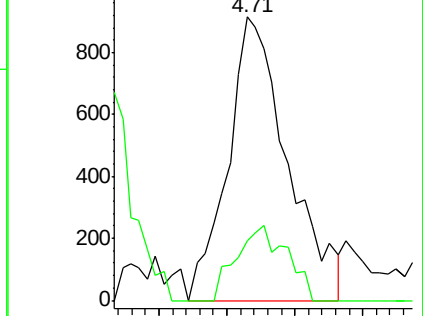
43 100

72 21.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 66.02 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

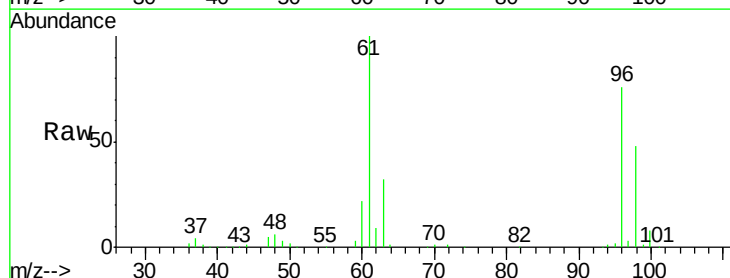
Tgt Ion: 96 Resp: 190637

Ion Ratio Lower Upper

96 100

61 128.7 0.0 297.0

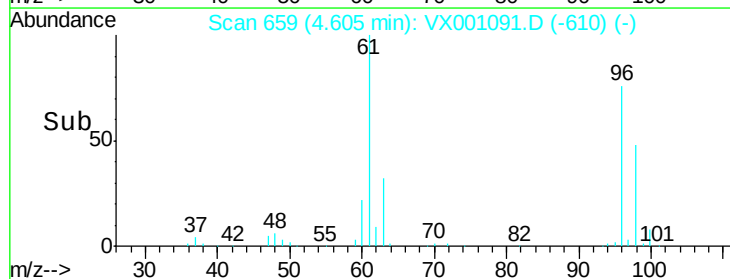
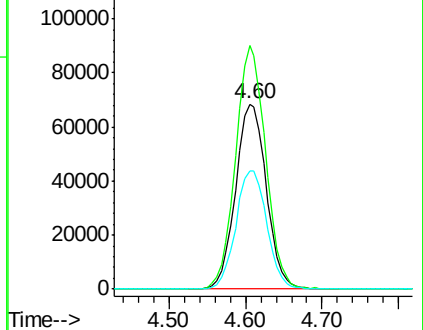
98 64.8 0.0 130.0

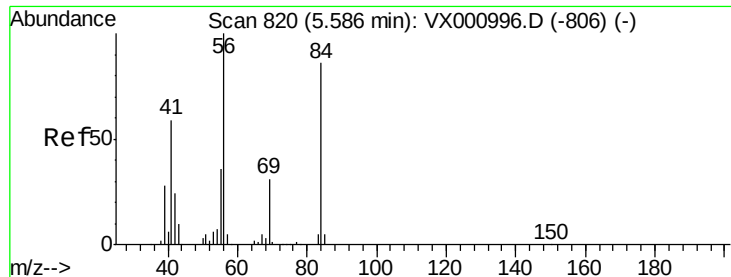


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

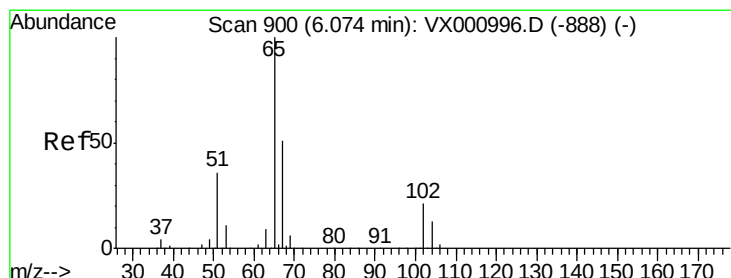
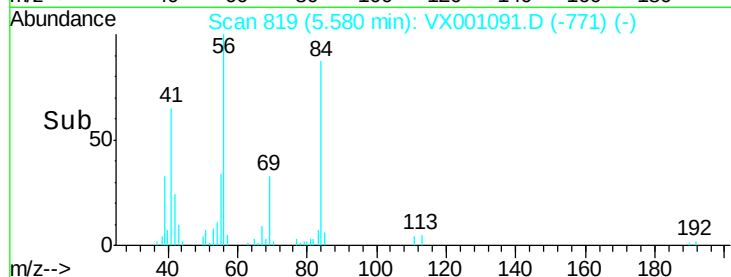
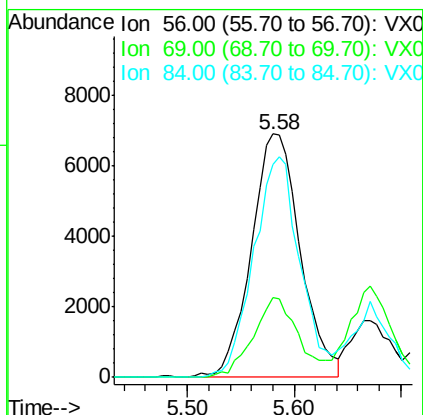
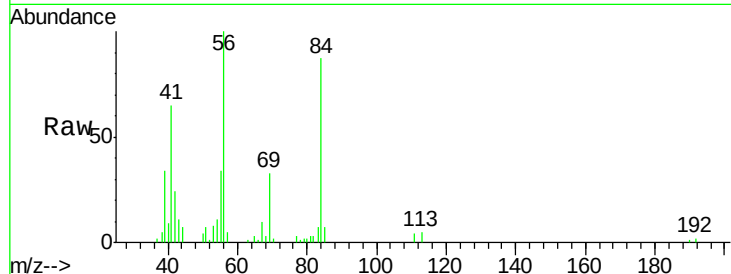




#31  
Cyclohexane  
Concen: 5.20 ug/l  
RT: 5.58 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: VX001091.D  
Acq: 24 Apr 2018 22:18

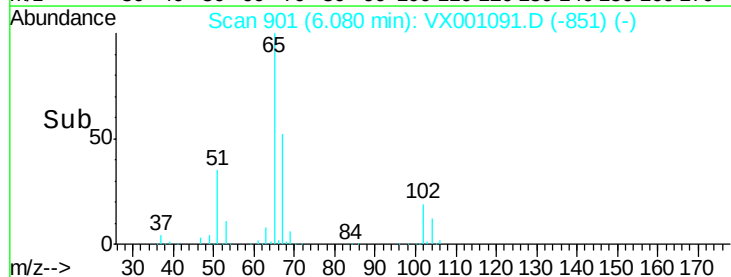
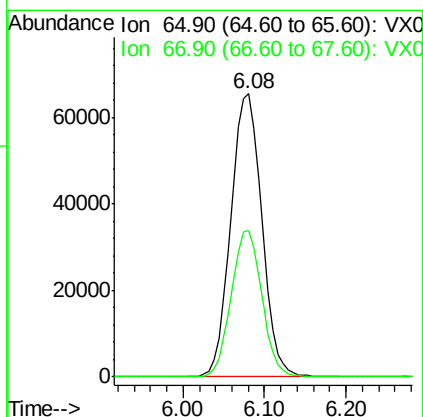
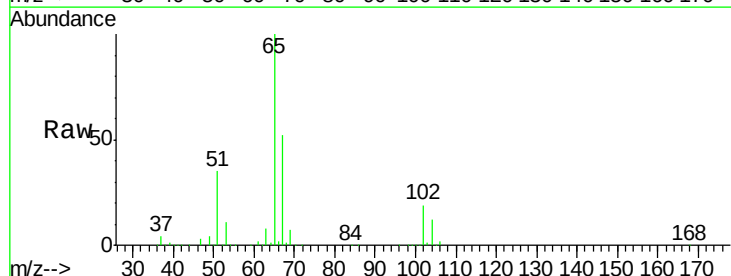
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF015MW100-180418

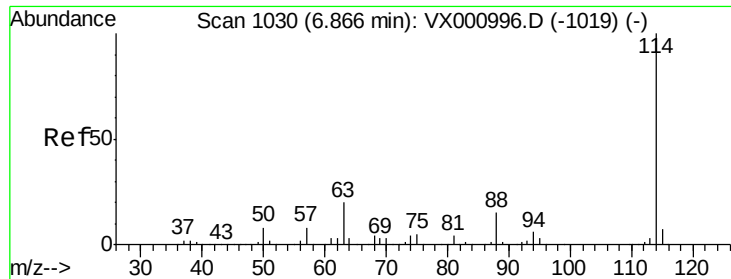
Tgt Ion: 56 Resp: 22201  
Ion Ratio Lower Upper  
56 100  
69 32.6 24.6 36.8  
84 87.2 69.0 103.6



#33  
1,2-Dichloroethane-d4  
Concen: 56.68 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. 0.01 min  
Lab File: VX001091.D  
Acq: 24 Apr 2018 22:18

Tgt Ion: 65 Resp: 171721  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

LF015MW100-180418

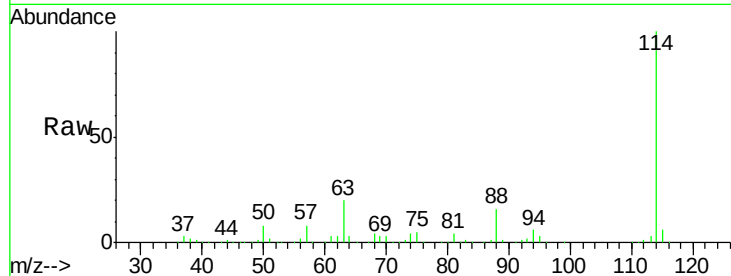
Tgt Ion:114 Resp: 334284

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

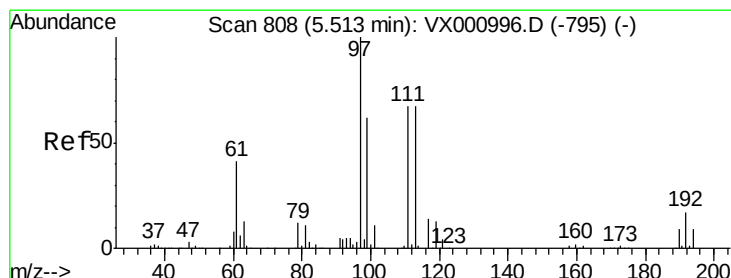
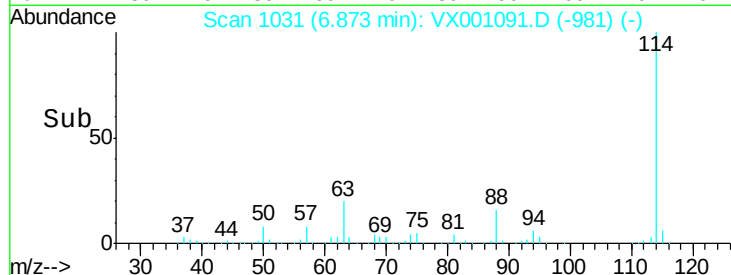
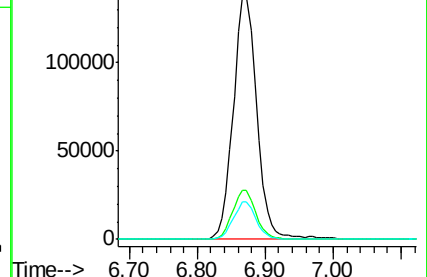
88 15.7 0.0 29.8



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: 51.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

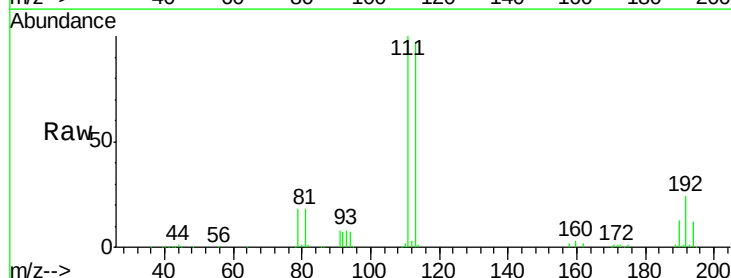
Tgt Ion:113 Resp: 131112

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.2

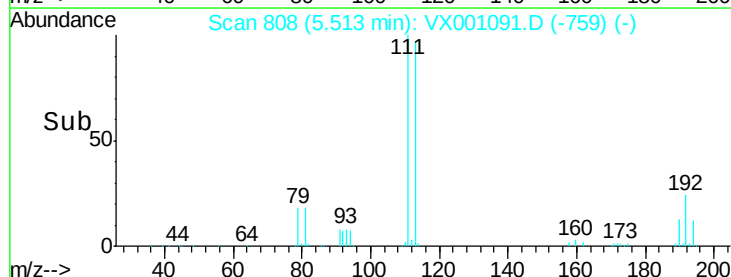
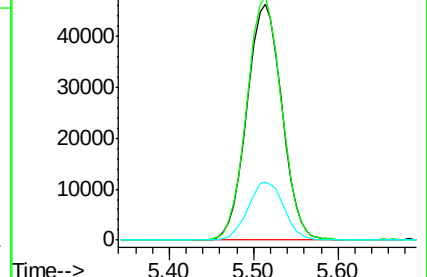
192 25.1 20.4 30.6

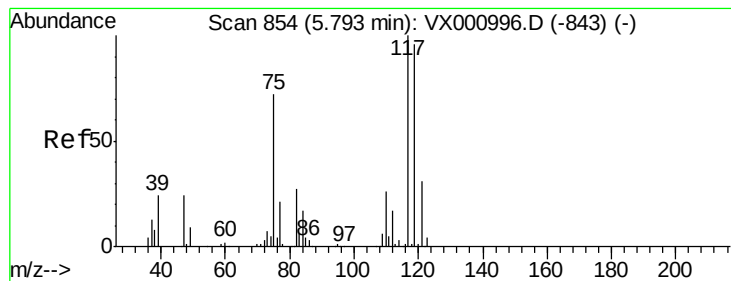


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.26 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

LF015MW100-180418

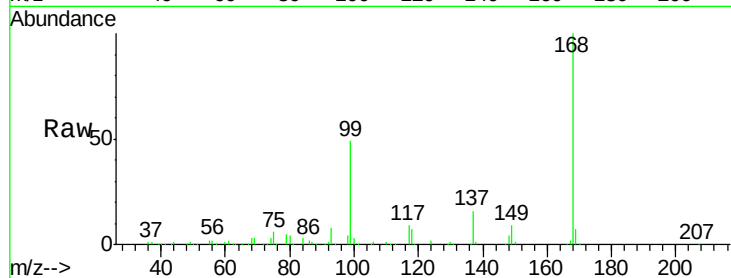
Tgt Ion: 117 Resp: 20906

Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

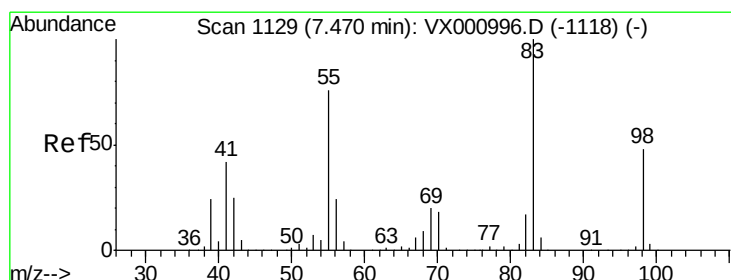
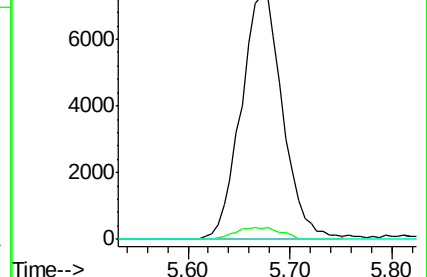
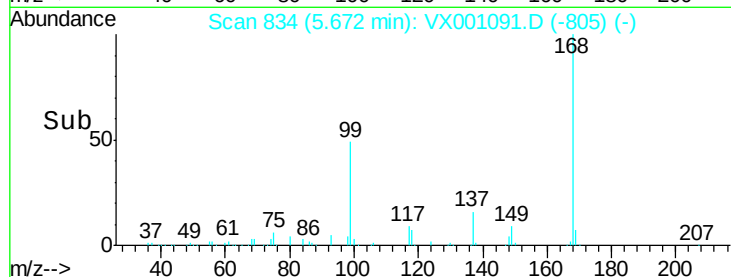
121 0.0 24.5 36.7#



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



#39

Methylcyclohexane

Concen: 6.12 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

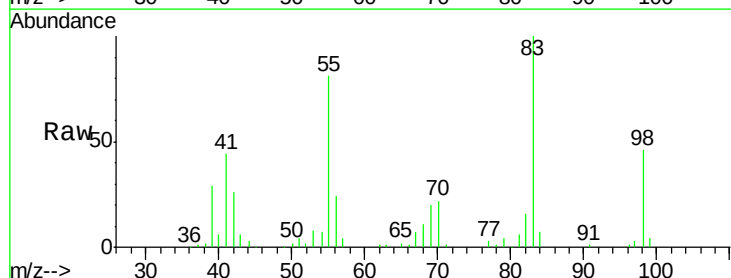
Tgt Ion: 83 Resp: 27973

Ion Ratio Lower Upper

83 100

55 80.2 60.6 91.0

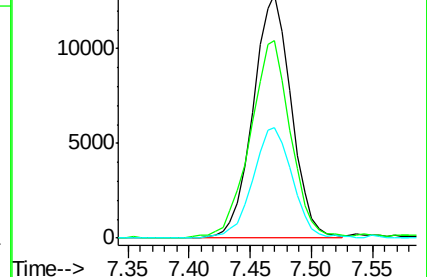
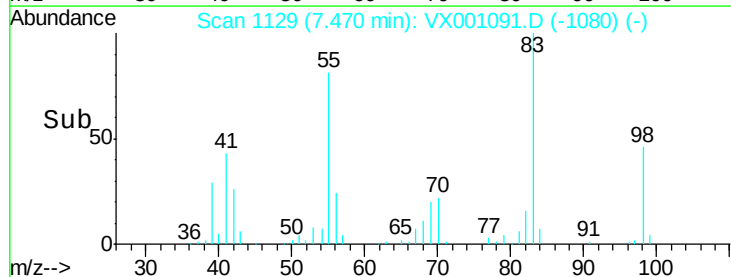
98 45.6 38.2 57.4

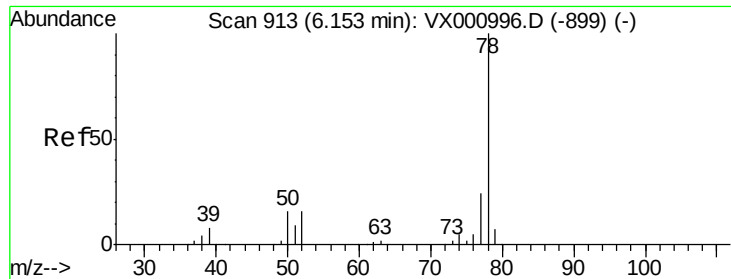


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 10.61 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

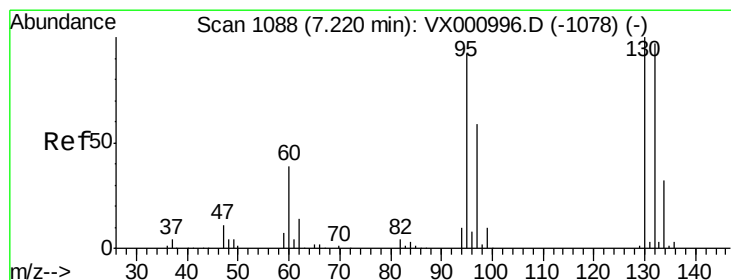
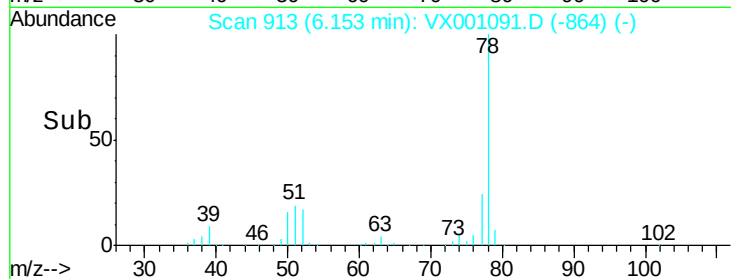
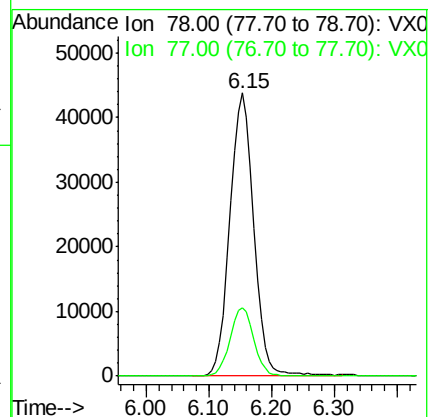
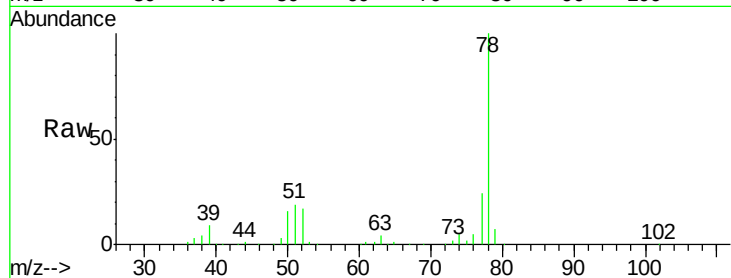
LF015MW100-180418

Tgt Ion: 78 Resp: 115904

Ion Ratio Lower Upper

78 100

77 24.2 18.9 28.3



#44

Trichloroethene

Concen: 50.74 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001091.D

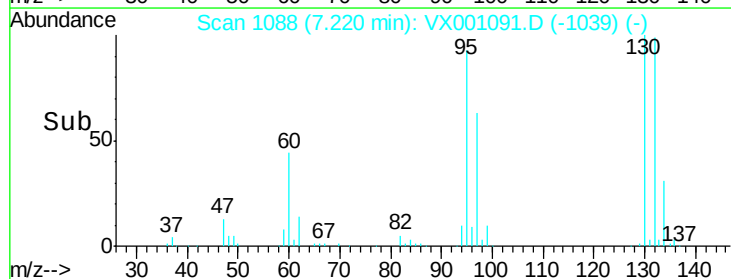
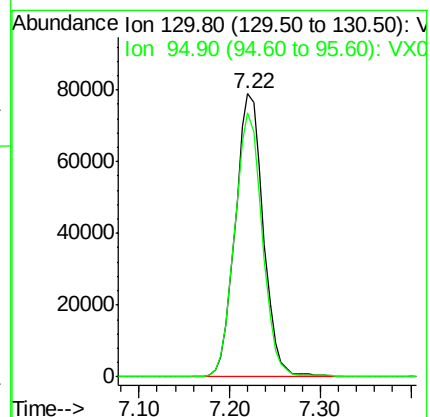
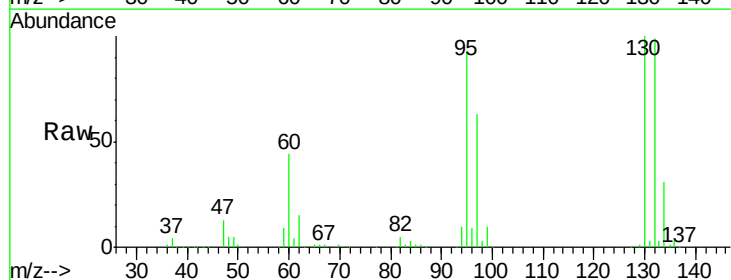
Acq: 24 Apr 2018 22:18

Tgt Ion: 130 Resp: 169292

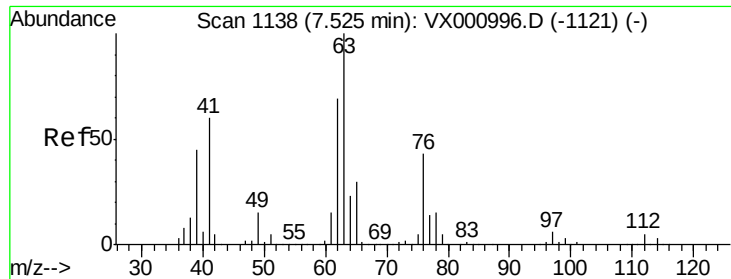
Ion Ratio Lower Upper

130 100

95 93.3 0.0 184.2



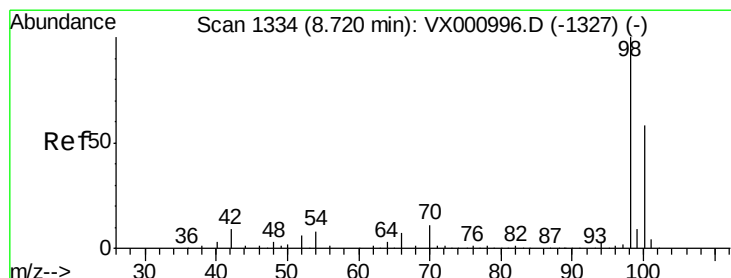
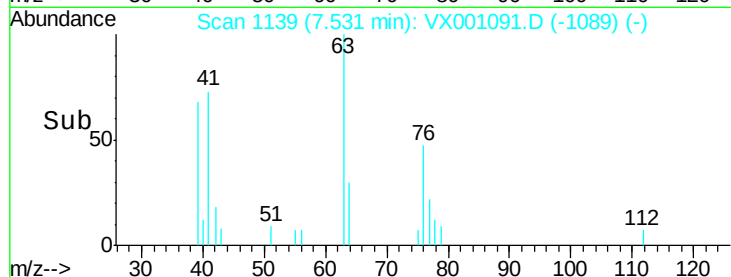
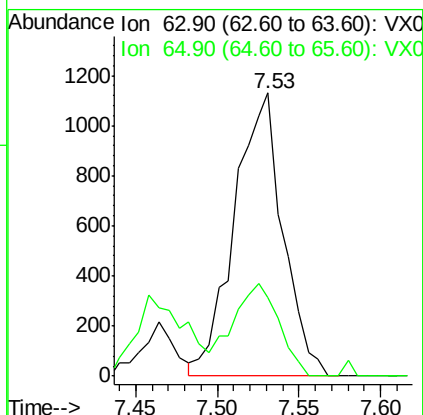
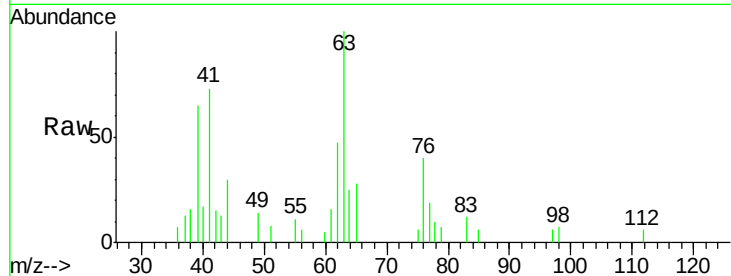




#45  
 1,2-Dichloropropane  
 Concen: 0.85 ug/l  
 RT: 7.53 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VX001091.D  
 Acq: 24 Apr 2018 22:18

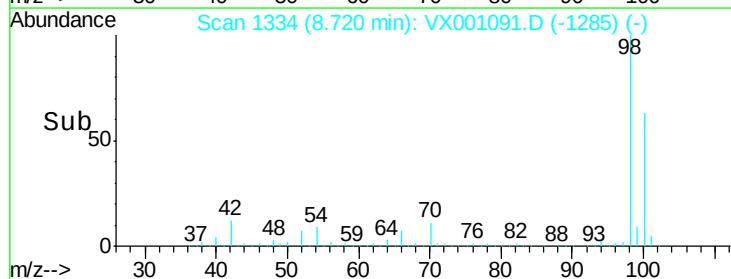
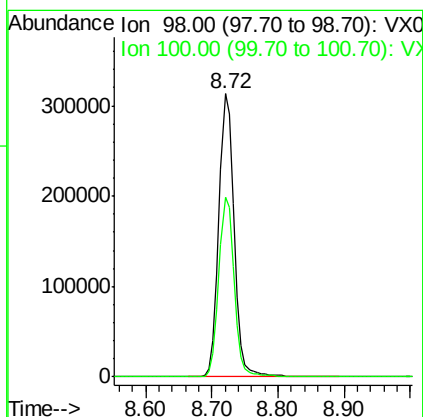
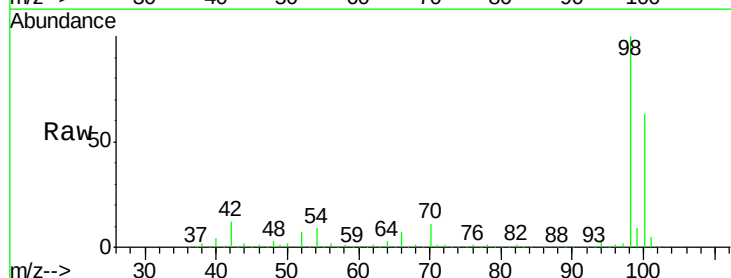
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF015MW100-180418

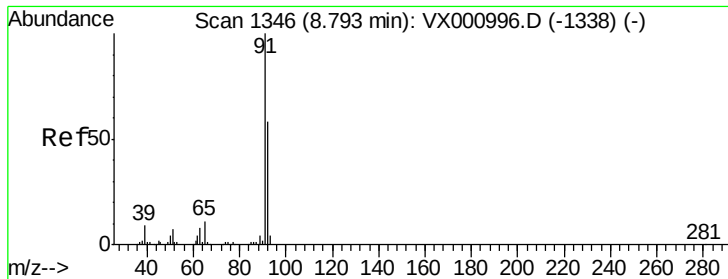
Tgt Ion: 63 Resp: 2337  
 Ion Ratio Lower Upper  
 63 100  
 65 28.0 24.4 36.6



#50  
 Toluene-d8  
 Concen: 53.12 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX001091.D  
 Acq: 24 Apr 2018 22:18

Tgt Ion: 98 Resp: 500695  
 Ion Ratio Lower Upper  
 98 100  
 100 63.9 51.9 77.9





#52

Toluene

Concen: 0.69 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

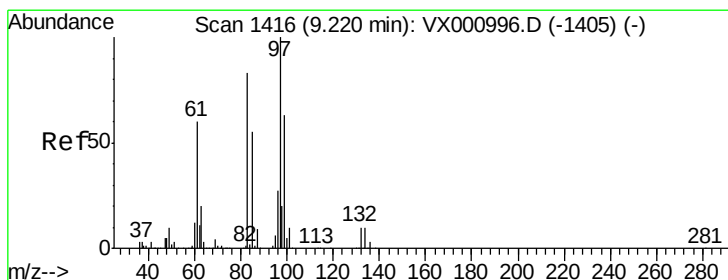
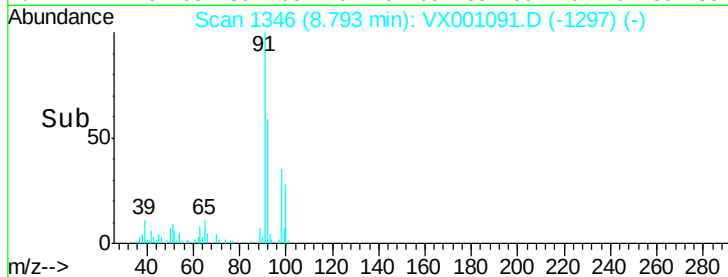
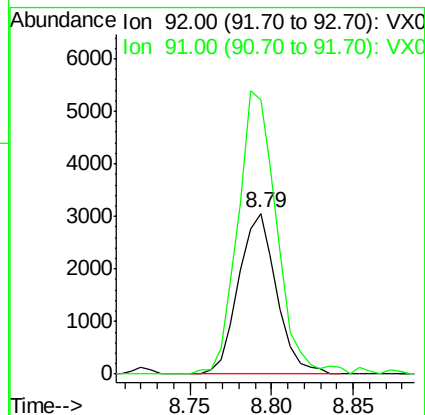
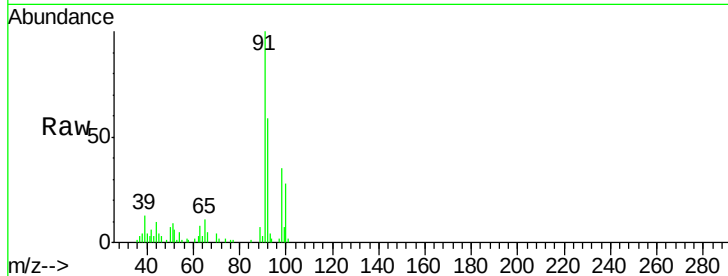
LF015MW100-180418

Tgt Ion: 92 Resp: 4954

Ion Ratio Lower Upper

92 100

91 179.7 138.2 207.4



#55

1,1,2-Trichloroethane

Concen: 0.39 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tgt Ion: 97 Resp: 1118

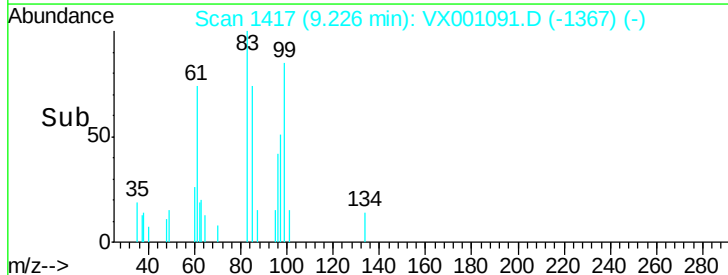
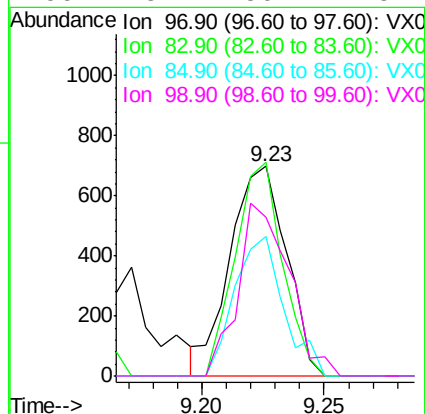
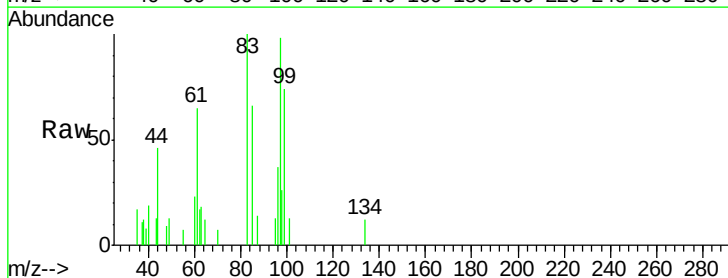
Ion Ratio Lower Upper

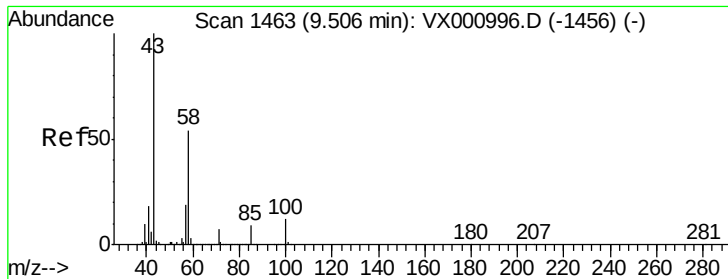
97 100

83 101.7 66.2 99.4#

85 66.7 44.2 66.4#

99 75.7 50.2 75.4#

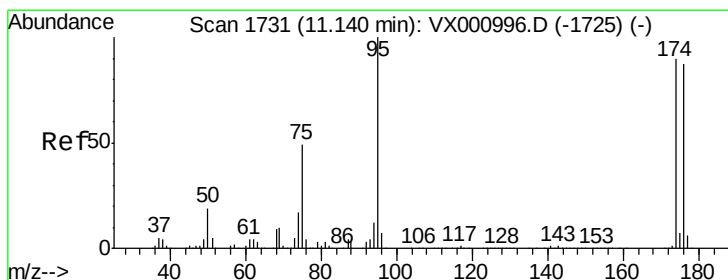
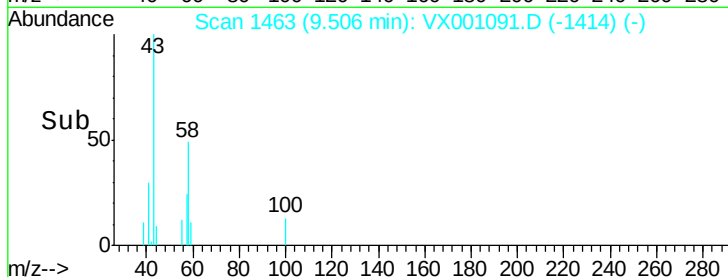
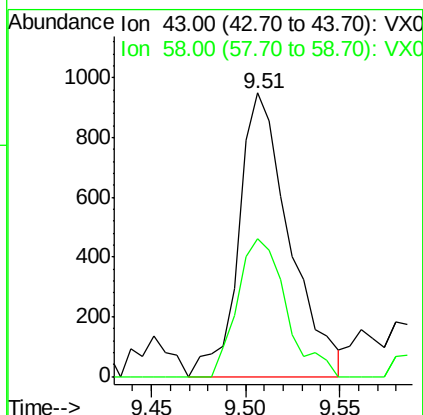
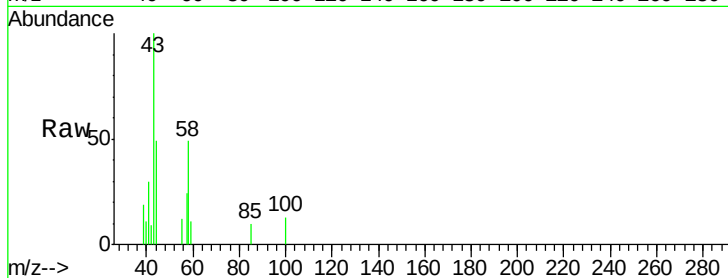




#59  
2-Hexanone  
Concen: 0.62 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. 0.00 min  
Lab File: VX001091.D  
Acq: 24 Apr 2018 22:18

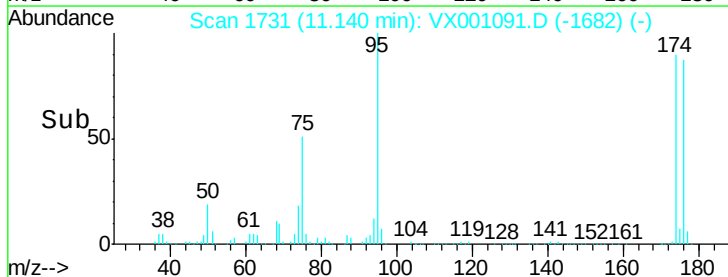
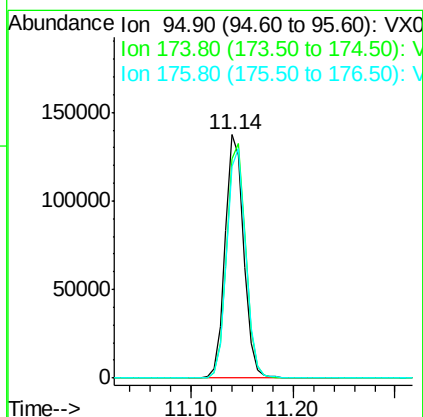
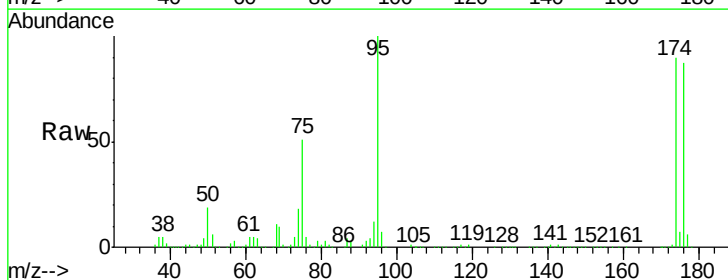
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF015MW100-180418

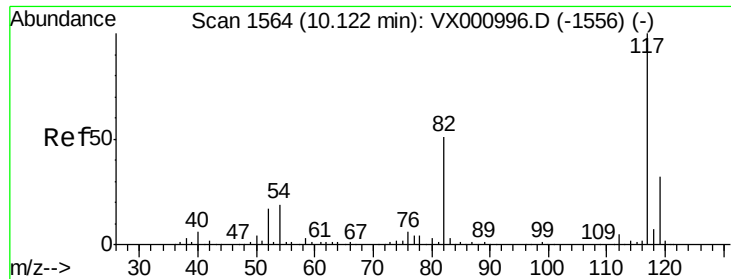
Tgt Ion: 43 Resp: 1773  
Ion Ratio Lower Upper  
43 100  
58 46.3 26.3 78.9



#62  
4-Bromofluorobenzene  
Concen: 43.80 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001091.D  
Acq: 24 Apr 2018 22:18

Tgt Ion: 95 Resp: 173251  
Ion Ratio Lower Upper  
95 100  
174 97.7 0.0 198.4  
176 95.9 0.0 192.0

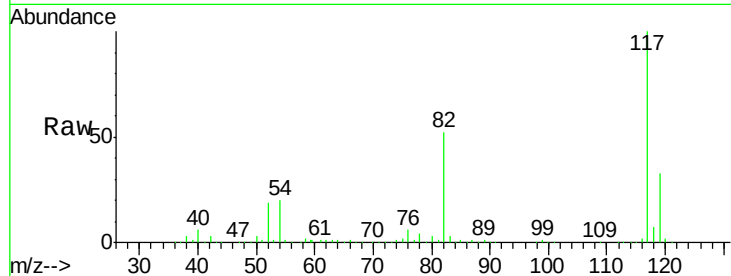




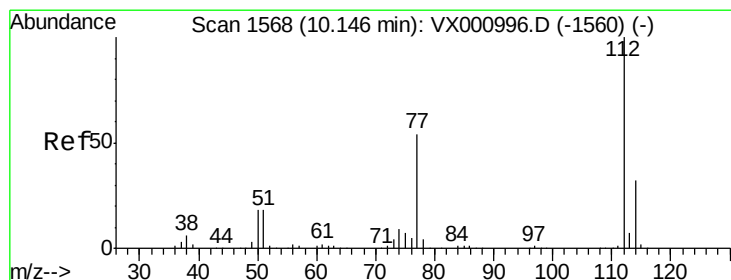
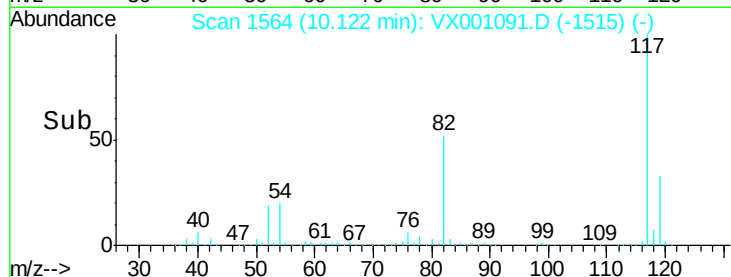
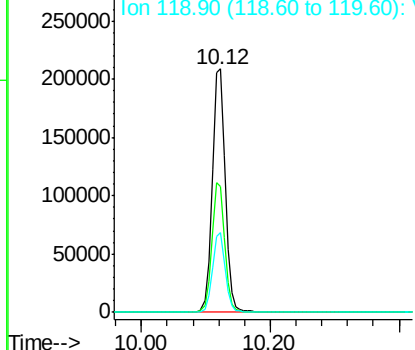
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX001091.D  
Acq: 24 Apr 2018 22:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF015MW100-180418

Tgt Ion:117 Resp: 297475  
Ion Ratio Lower Upper  
117 100  
82 51.7 40.6 60.8  
119 32.8 26.0 39.0

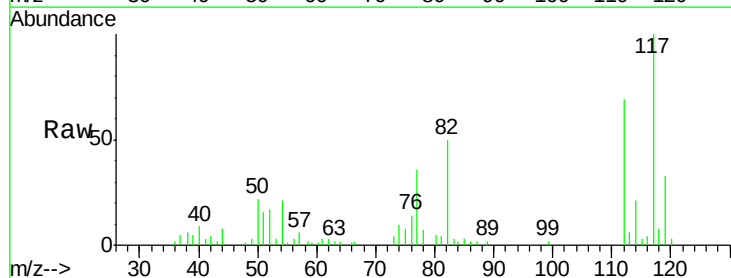


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

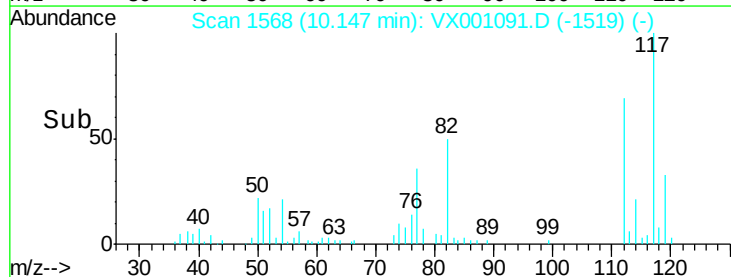
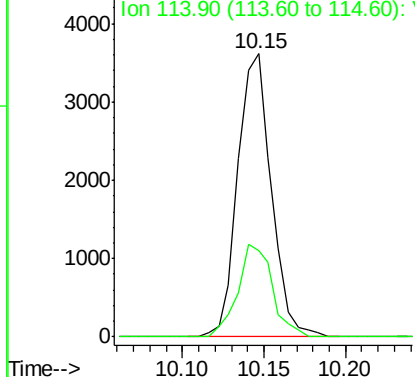


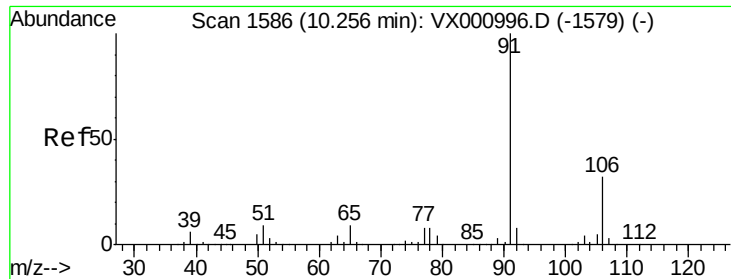
#65  
Chlorobenzene  
Concen: 0.66 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX001091.D  
Acq: 24 Apr 2018 22:18

Tgt Ion:112 Resp: 5189  
Ion Ratio Lower Upper  
112 100  
114 30.4 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.31 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

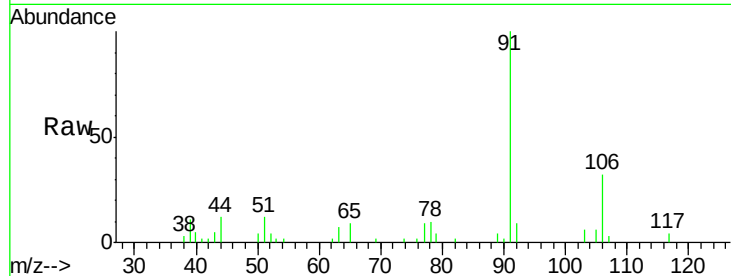
LF015MW100-180418

Tgt Ion: 91 Resp: 4105

Ion Ratio Lower Upper

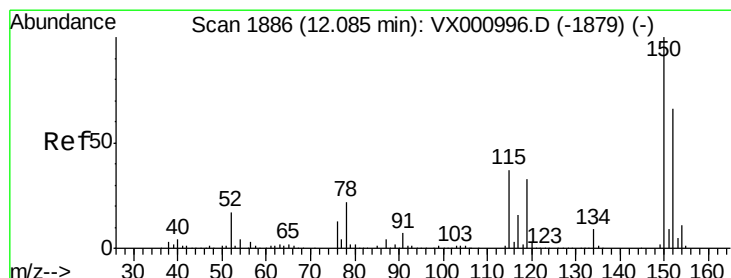
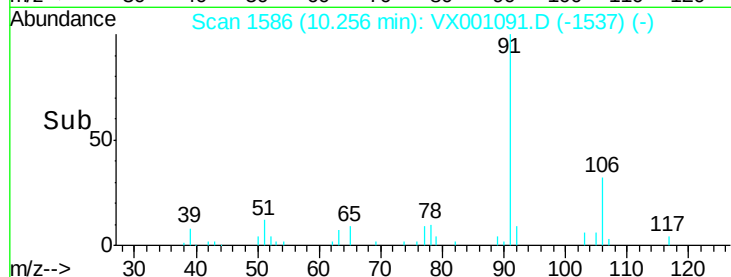
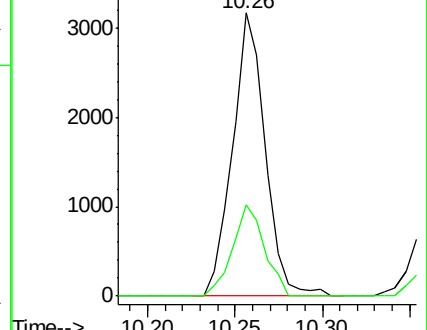
91 100

106 32.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VX000996.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX000996.D (-1579) (-)



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

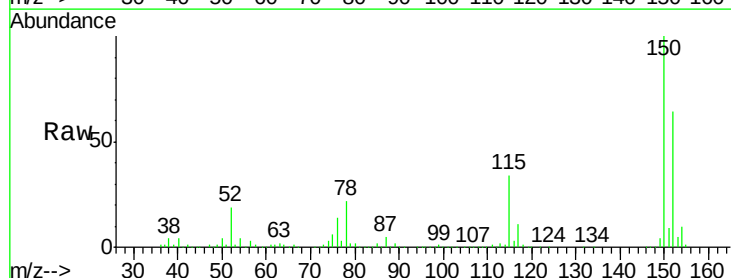
Tgt Ion: 152 Resp: 165974

Ion Ratio Lower Upper

152 100

115 54.1 38.2 114.6

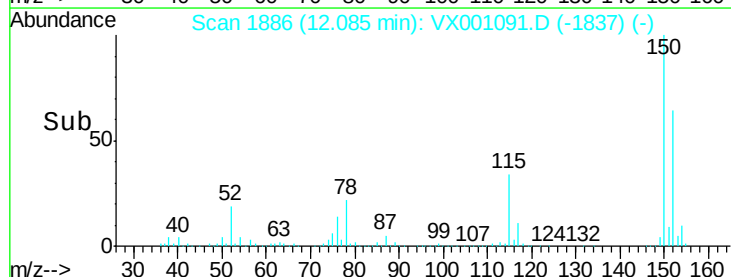
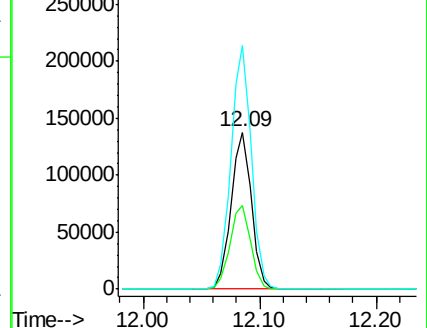
150 155.7 0.0 350.4

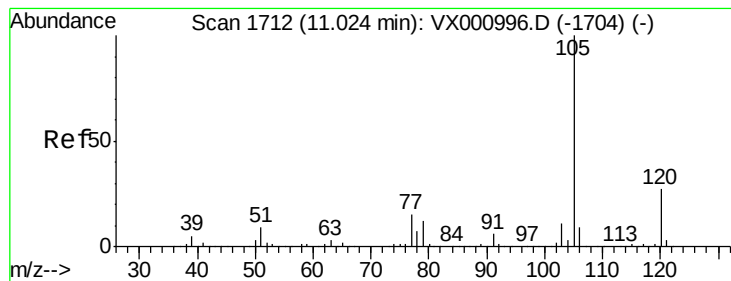


Abundance Ion 151.90 (151.60 to 152.60): VX000996.D (-1879) (-)

Ion 114.90 (114.60 to 115.60): VX000996.D (-1879) (-)

Ion 149.90 (149.60 to 150.60): VX000996.D (-1879) (-)





#73

Isopropylbenzene

Concen: 0.53 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

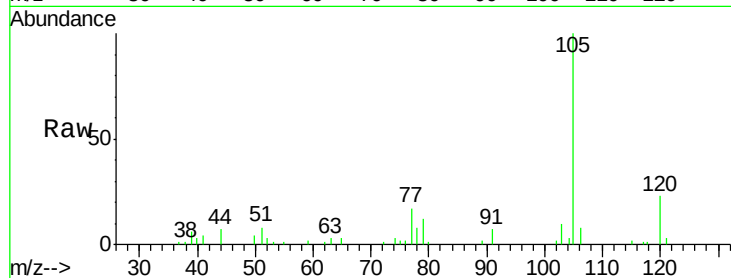
LF015MW100-180418

Tgt Ion: 105 Resp: 5781

Ion Ratio Lower Upper

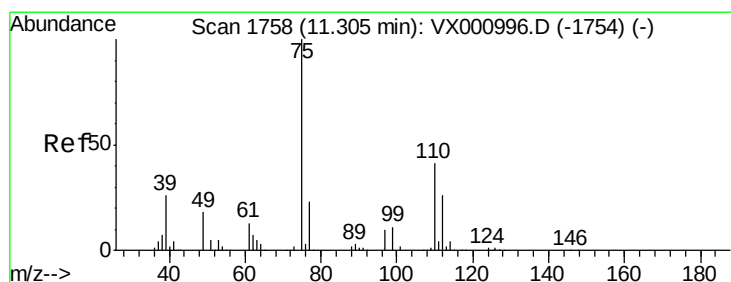
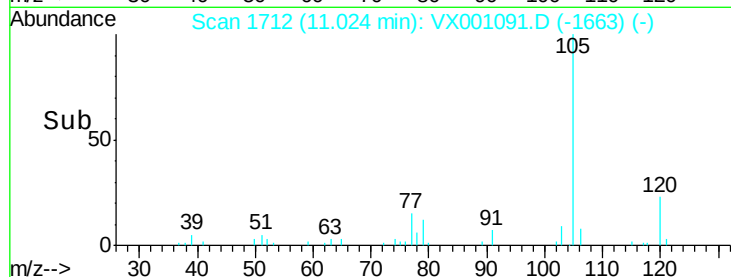
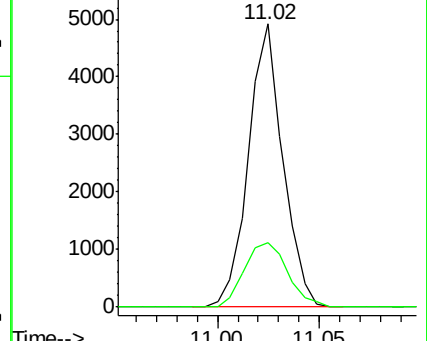
105 100

120 28.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 30.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001091.D

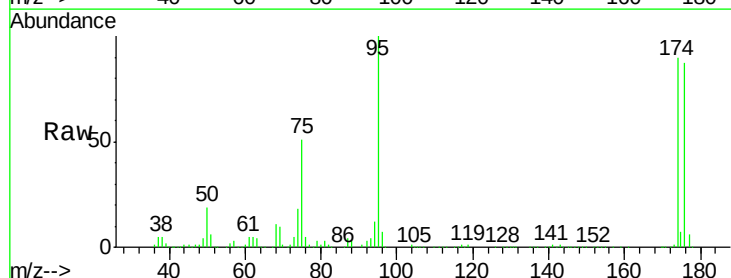
Acq: 24 Apr 2018 22:18

Tgt Ion: 75 Resp: 88220

Ion Ratio Lower Upper

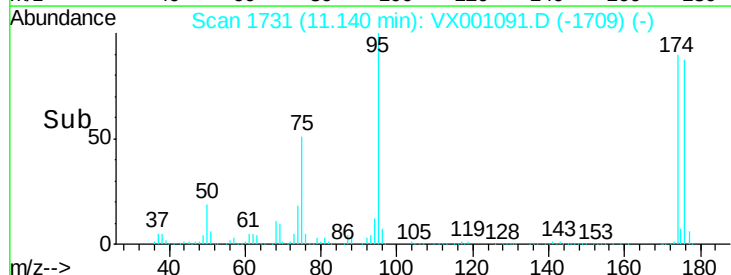
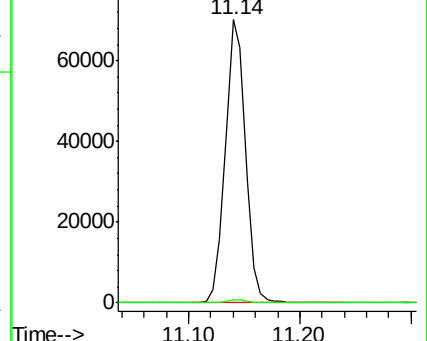
75 100

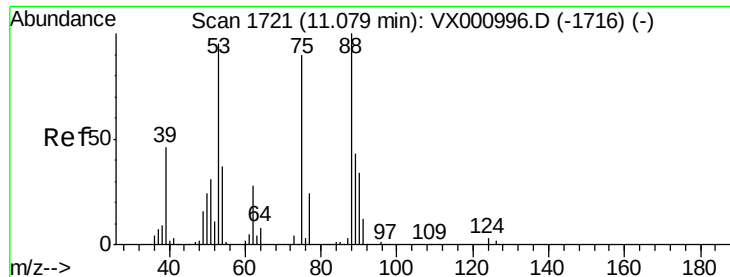
77 1.2 19.6 58.7#



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: 91.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA\_X

ClientSampleId :

LF015MW100-180418

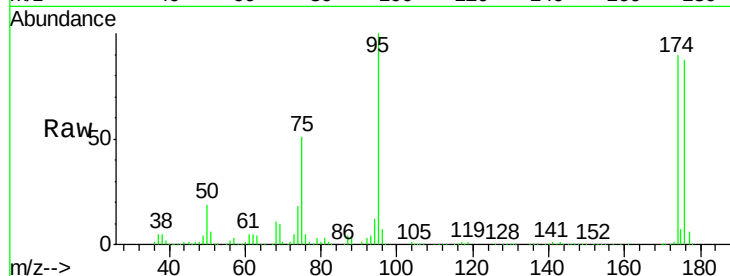
Tgt Ion: 75 Resp: 88220

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

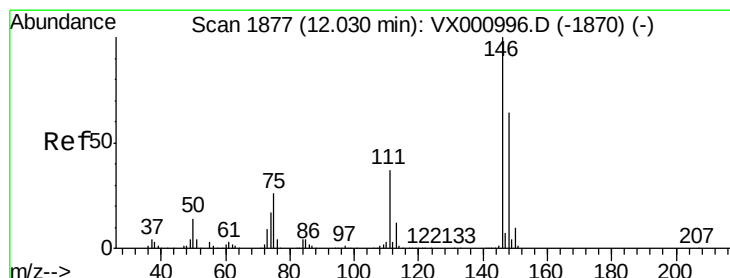
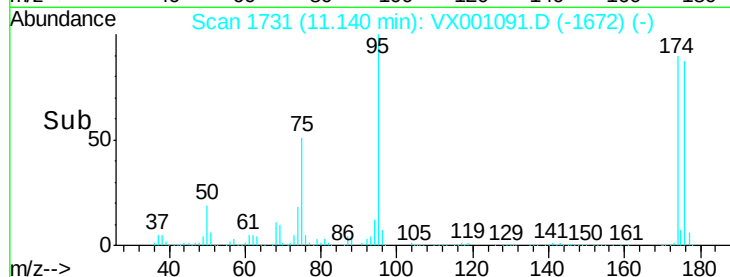
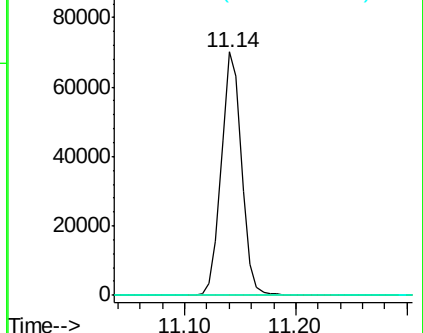
89 0.0 39.7 59.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#87

1,3-Dichlorobenzene

Concen: 0.23 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

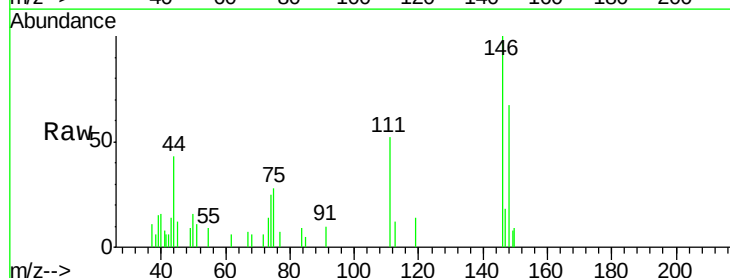
Tgt Ion: 146 Resp: 1376

Ion Ratio Lower Upper

146 100

111 40.9 18.3 54.8

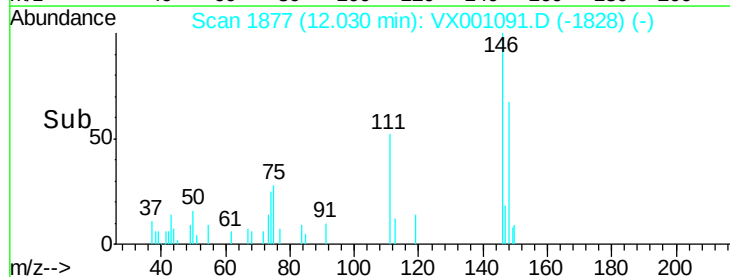
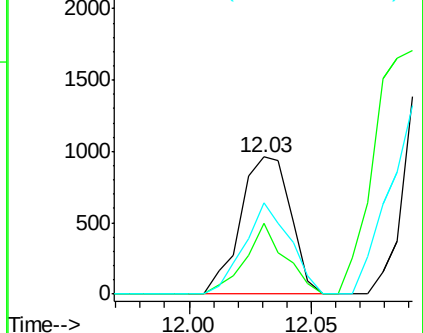
148 60.8 32.2 96.6

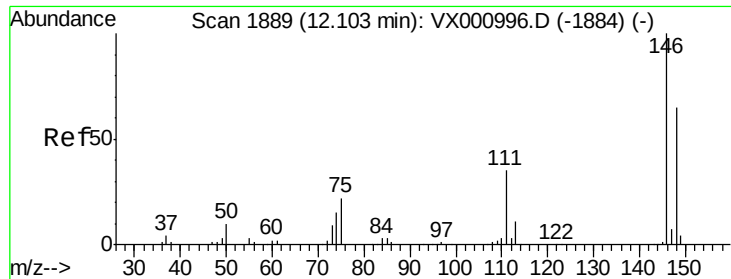


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

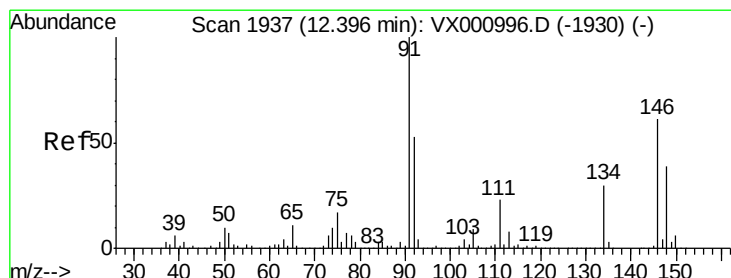
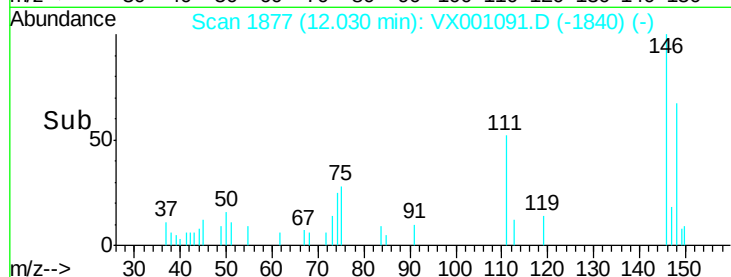
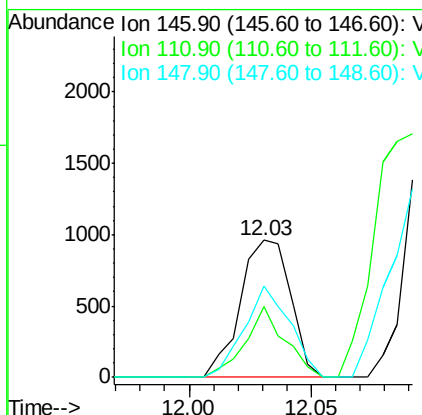
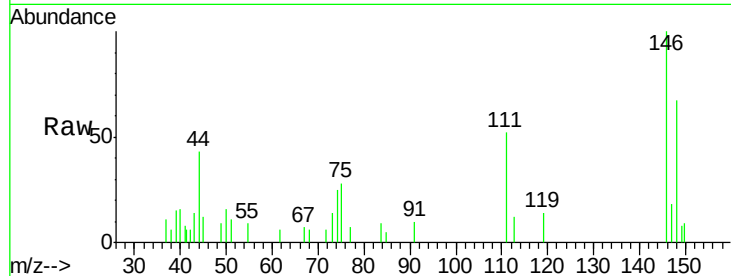




#88  
 1,4-Dichlorobenzene  
 Concen: 0.23 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. -0.07 min  
 Lab File: VX001091.D  
 Acq: 24 Apr 2018 22:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF015MW100-180418

Tgt Ion:146 Resp: 1376  
 Ion Ratio Lower Upper  
 146 100  
 111 40.9 18.0 54.0  
 148 60.8 32.4 97.0



#91  
 1,2-Dichlorobenzene  
 Concen: 1.74 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX001091.D  
 Acq: 24 Apr 2018 22:18

Tgt Ion:146 Resp: 9943  
 Ion Ratio Lower Upper  
 146 100  
 111 39.4 18.6 56.0  
 148 64.8 32.3 96.8

