

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
 Data File : VX002644.D  
 Acq On : 16 Jun 2018 13:22  
 Operator : JC/MD  
 Sample : J3477-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 18 06:11:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 216572   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 310508   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 294343   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 170220   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 149073   | 45.30 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.60% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 114494   | 46.20 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.40% |      |
| 50) Toluene-d8            | 8.72   | 98  | 446493   | 47.45 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.90% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 157992   | 44.31 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.62% |      |

## Target Compounds

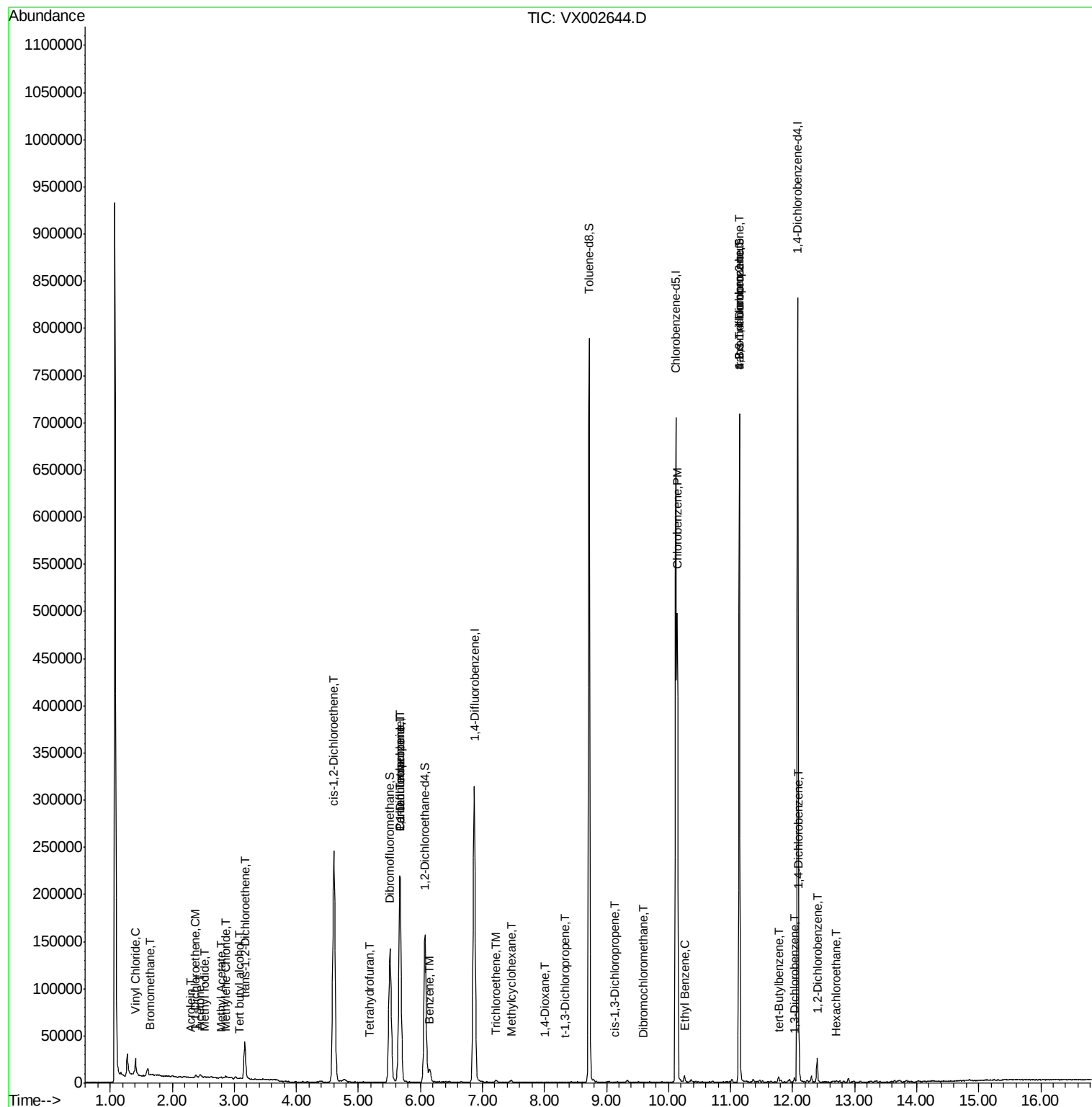
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 4) Vinyl Chloride              | 1.41  | 62  | 9997   | 3.52  | ug/l # | 69     |
| 5) Bromomethane                | 1.65  | 94  | 1142   | 0.67  | ug/l   | 97     |
| 10) Methyl Iodide              | 2.52  | 142 | 1386   | 5.54  | ug/l # | 88     |
| 11) Tert butyl alcohol         | 3.07  | 59  | 361    | 0.53  | ug/l # | 73     |
| 12) 1,1-Dichloroethene         | 2.37  | 96  | 714    | 0.30  | ug/l   | 86     |
| 13) Acrolein                   | 2.30  | 56  | 53     | 7.03  | ug/l # | 1      |
| 16) Acetone                    | 2.45  | 43  | 4258   | 2.93  | ug/l   | 96     |
| 18) Methyl Acetate             | 2.79  | 43  | 1225   | 0.32  | ug/l   | 91     |
| 20) Methylene Chloride         | 2.87  | 84  | 598    | 0.20  | ug/l # | 63     |
| 21) trans-1,2-Dichloroethene   | 3.17  | 96  | 15330  | 5.84  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96  | 151322 | 56.65 | ug/l   | 83     |
| 29) Tetrahydrofuran            | 5.18  | 42  | 368    | 0.29  | ug/l # | 45     |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 15221  | 4.62  | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 20507  | 6.24  | ug/l # | 16     |
| 39) Methylcyclohexane          | 7.46  | 83  | 799    | 0.21  | ug/l # | 71     |
| 40) Benzene                    | 6.15  | 78  | 14740  | 1.49  | ug/l   | 96     |
| 44) Trichloroethene            | 7.22  | 130 | 911    | 0.32  | ug/l   | 92     |
| 49) 1,4-Dioxane                | 8.01  | 88  | 20     | 0.33  | ug/l # | 1      |
| 53) t-1,3-Dichloropropene      | 8.33  | 75  | 19     | 2.40  | ug/l # | 43     |
| 54) cis-1,3-Dichloropropene    | 9.14  | 75  | 22     | 3.22  | ug/l # | 1      |
| 60) Dibromochloromethane       | 9.60  | 129 | 40     | 3.77  | ug/l # | 11     |
| 65) Chlorobenzene              | 10.14 | 112 | 193823 | 26.81 | ug/l   | 99     |
| 67) Ethyl Benzene              | 10.26 | 91  | 3640   | 0.30  | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 85150  | 26.51 | ug/l # | 33     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 85150  | 81.91 | ug/l # | 7      |
| 83) tert-Butylbenzene          | 11.77 | 119 | 2103   | 0.23  | ug/l   | 97     |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146 | 1322   | 0.23  | ug/l   | 81     |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146 | 12539  | 2.12  | ug/l   | 89     |
| 90) Hexachloroethane           | 12.71 | 117 | 350    | 2.83  | ug/l # | 1      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146 | 7026   | 1.20  | ug/l   | 100    |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
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Sample : J3477-09  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 55 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 18 06:11:37 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:37:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

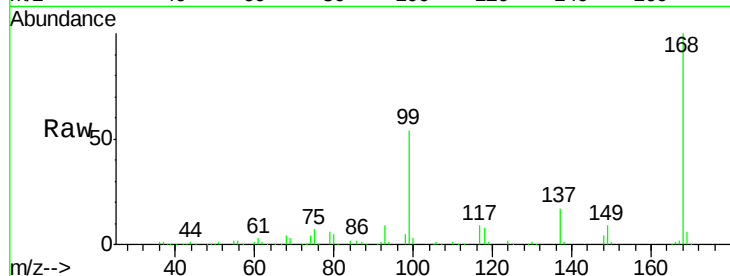
ClientSampleId :

Tot Ion:168 Resp: 216572

Ion Ratio Lower Upper

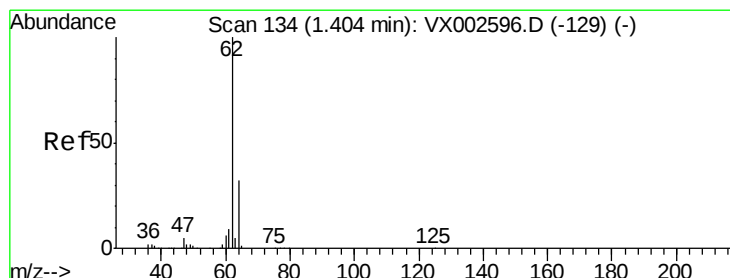
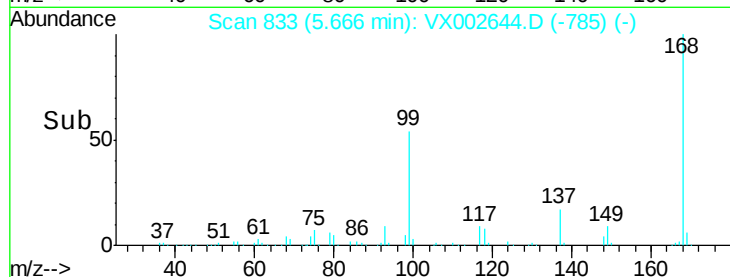
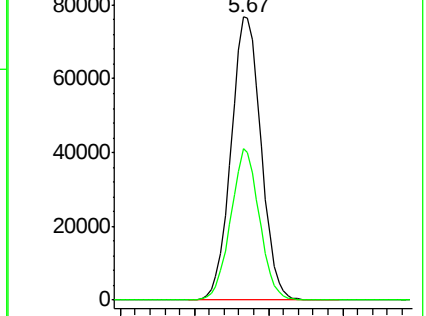
168 100

99 53.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 3.52 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002644.D

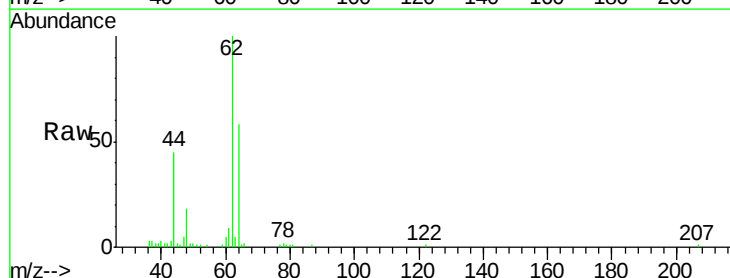
Acq: 16 Jun 2018 13:22

Tgt Ion: 62 Resp: 9997

Ion Ratio Lower Upper

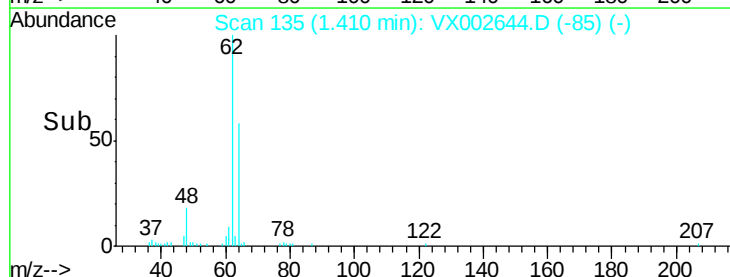
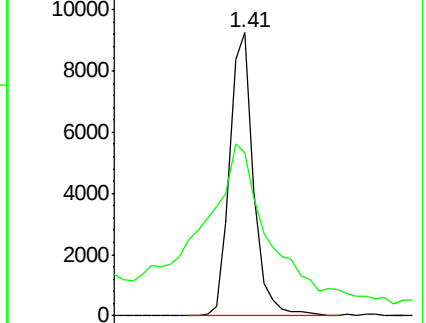
62 100

64 48.8 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.67 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

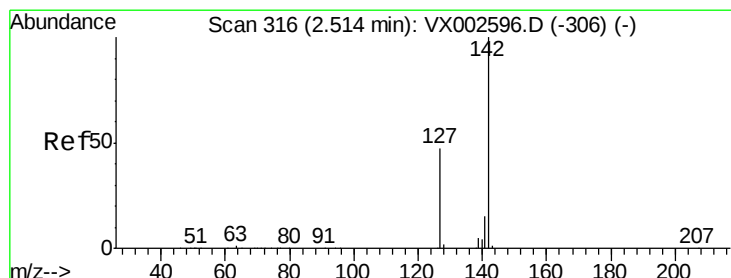
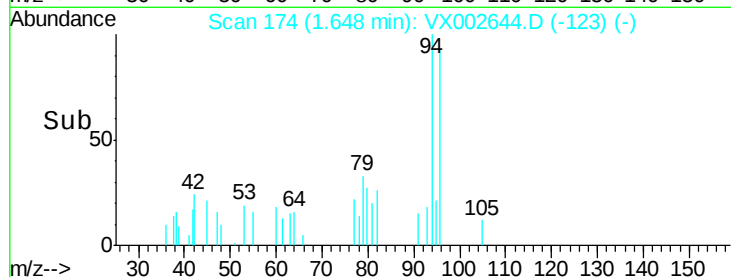
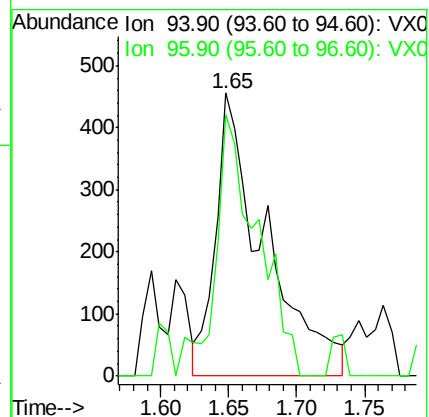
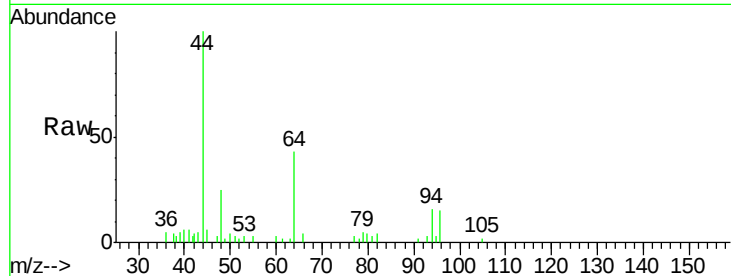
ClientSampled :

Tot Ion: 94 Resp: 1142

Ion Ratio Lower Upper

94 100

96 90.6 74.9 112.3



#10

Methyl Iodide

Concen: 5.54 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

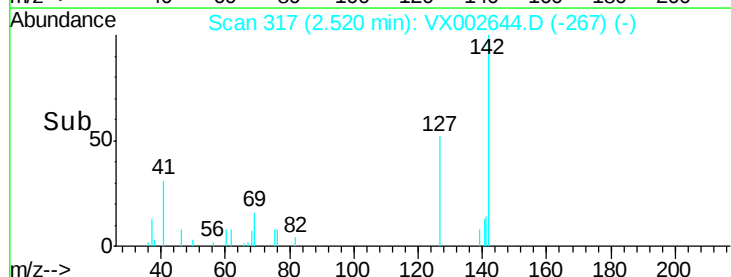
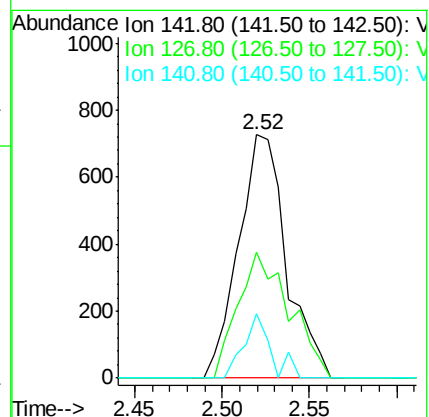
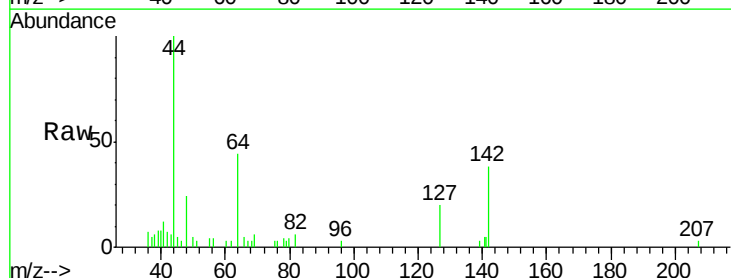
Tgt Ion: 142 Resp: 1386

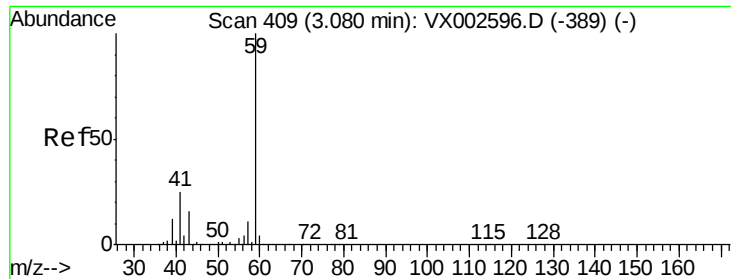
Ion Ratio Lower Upper

142 100

127 55.6 36.6 55.0#

141 14.6 11.3 16.9



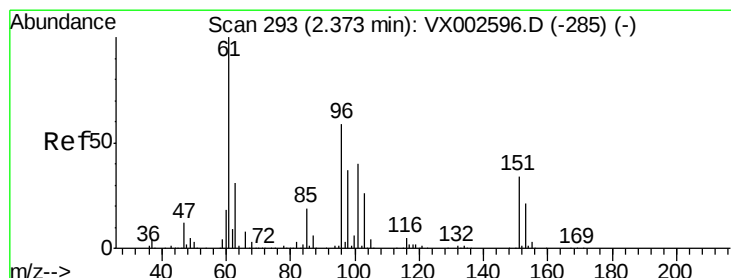
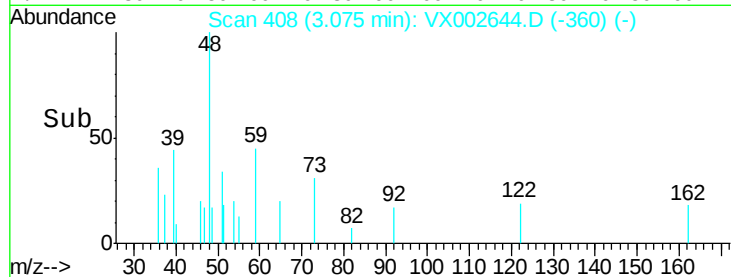
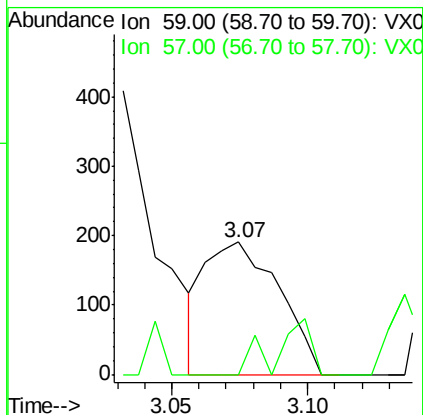
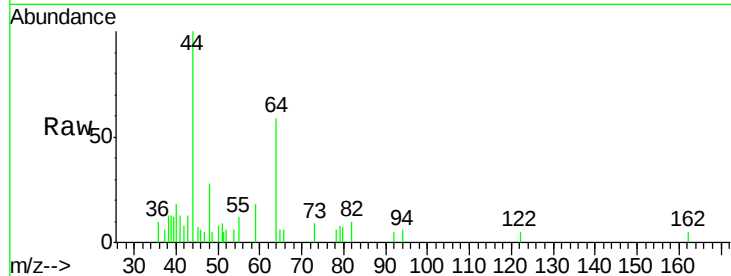


#11

Tert butyl alcohol  
 Concen: 0.53 ug/l  
 RT: 3.07 min Scan# 408  
 Delta R.T. -0.01 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

Instrument :  
 MSVOA\_X  
 ClientSampled :

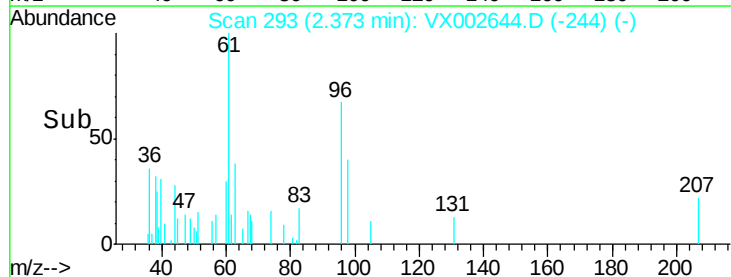
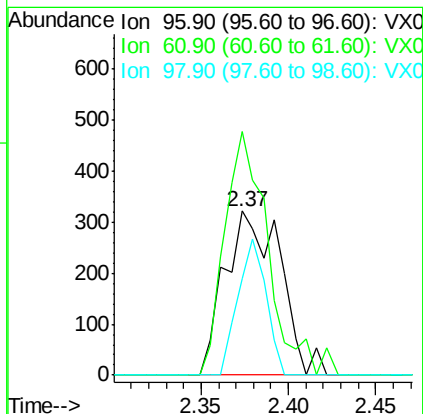
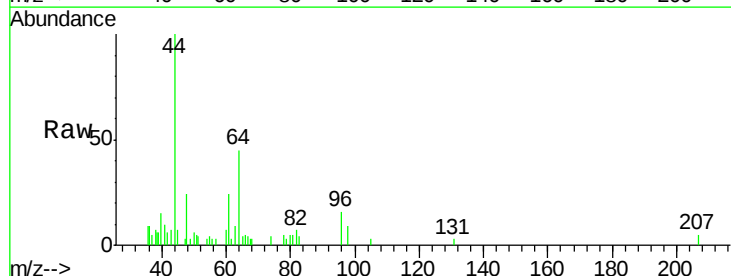
Tot Ion: 59 Resp: 361  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.2#

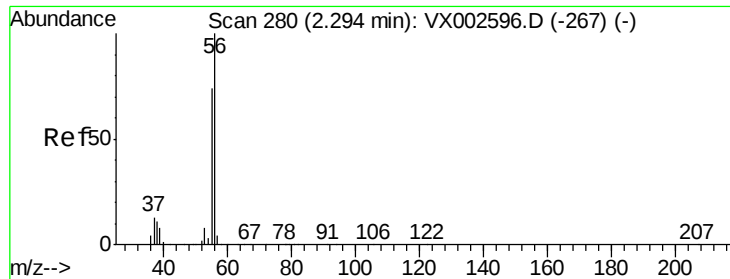


#12

1,1-Dichloroethene  
 Concen: 0.30 ug/l  
 RT: 2.37 min Scan# 293  
 Delta R.T. 0.00 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

Tgt Ion: 96 Resp: 714  
 Ion Ratio Lower Upper  
 96 100  
 61 148.6 137.9 206.9  
 98 59.2 51.6 77.4





#13

Acrolein

Concen: 7.03 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

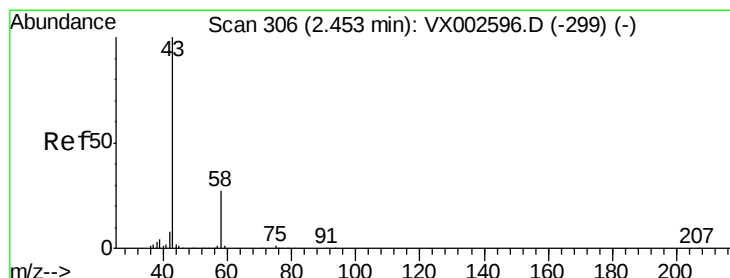
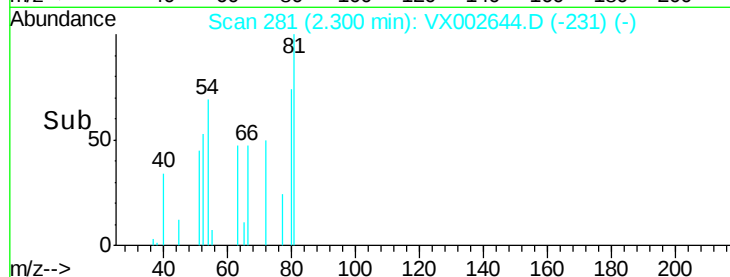
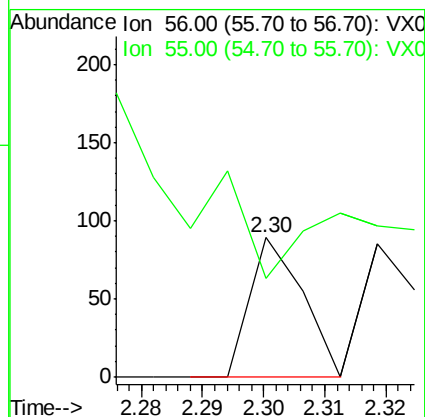
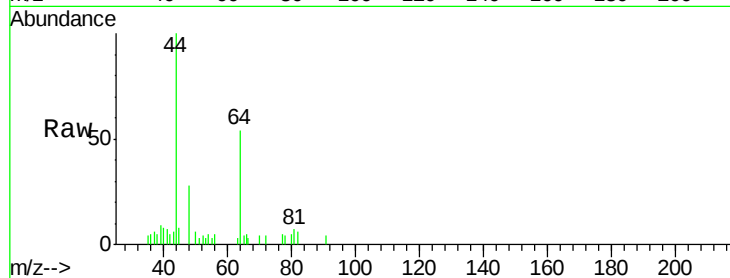
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 254.7 57.0 85.4#



#16

Acetone

Concen: 2.93 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002644.D

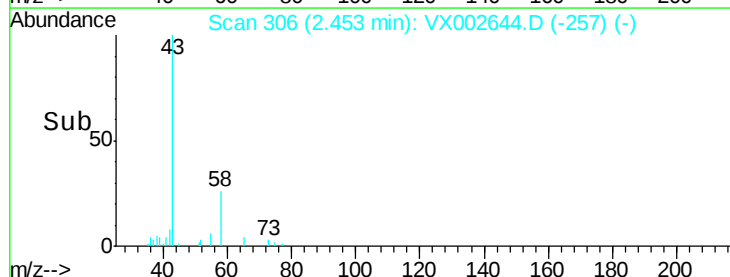
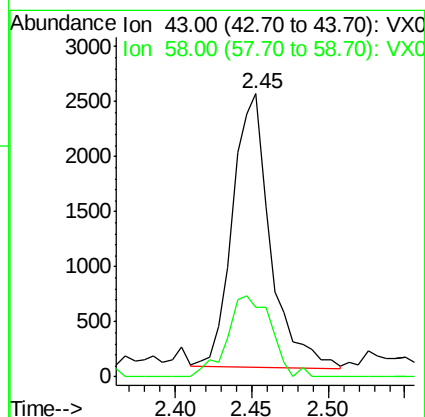
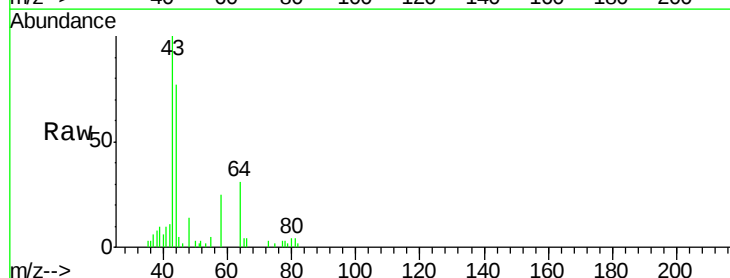
Acq: 16 Jun 2018 13:22

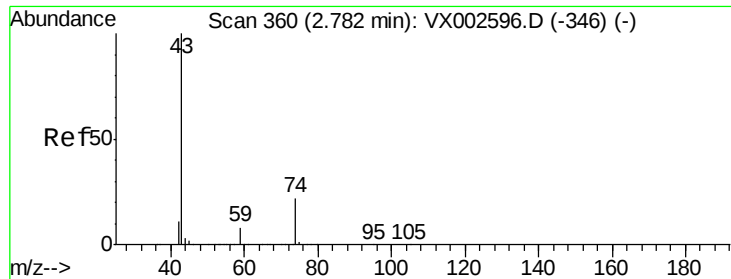
Tgt Ion: 43 Resp: 4258

Ion Ratio Lower Upper

43 100

58 25.6 22.1 33.1

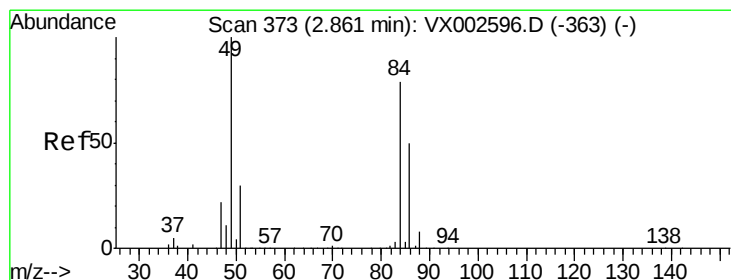
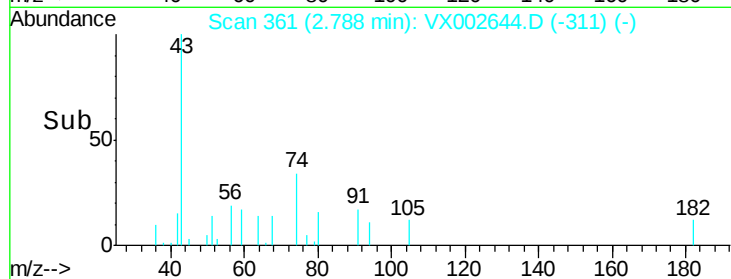
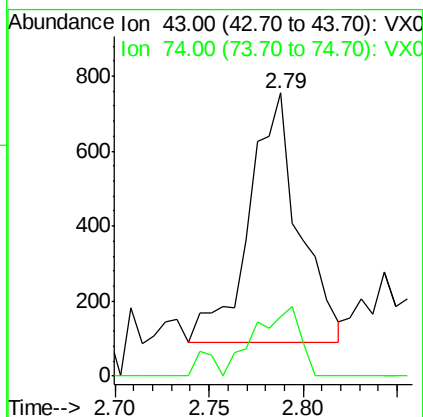
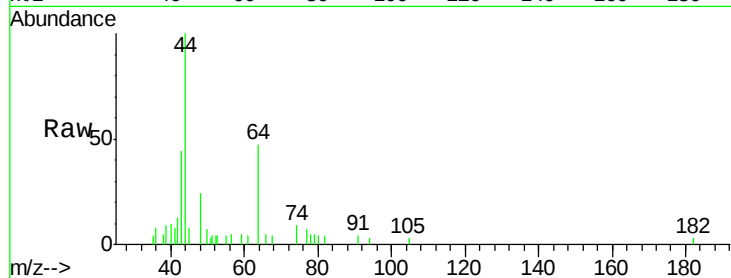




#18  
Methyl Acetate  
Concen: 0.32 ug/l  
RT: 2.79 min Scan# 361  
Delta R.T. 0.01 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

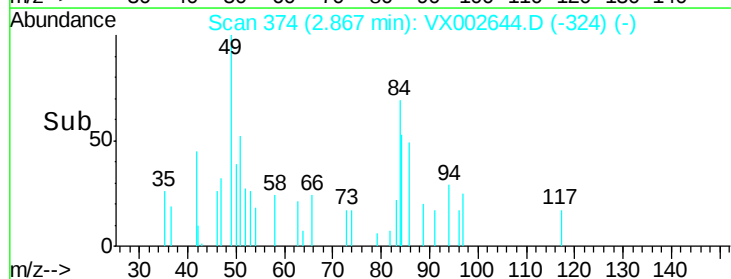
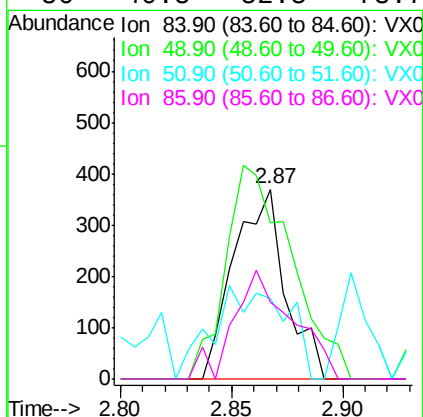
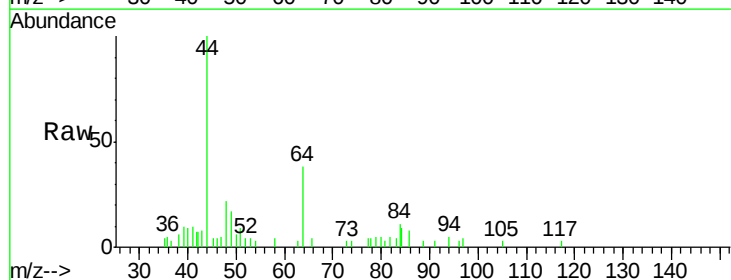
Instrument :  
MSVOA\_X  
ClientSampled :

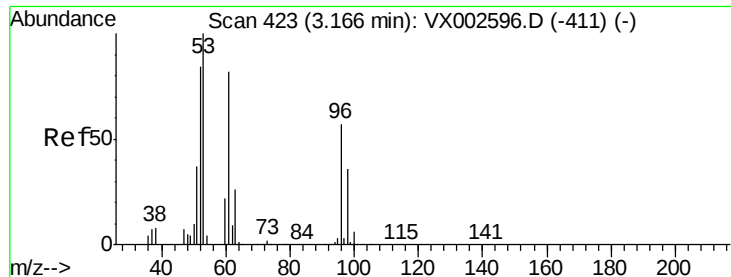
Tot Ion: 43 Resp: 1225  
Ion Ratio Lower Upper  
43 100  
74 25.0 16.7 25.1



#20  
Methylene Chloride  
Concen: 0.20 ug/l  
RT: 2.87 min Scan# 374  
Delta R.T. 0.01 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

Tgt Ion: 84 Resp: 598  
Ion Ratio Lower Upper  
84 100  
49 82.2 107.8 161.6#  
51 26.8 32.8 49.2#  
86 40.5 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 5.84 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

ClientSampled :

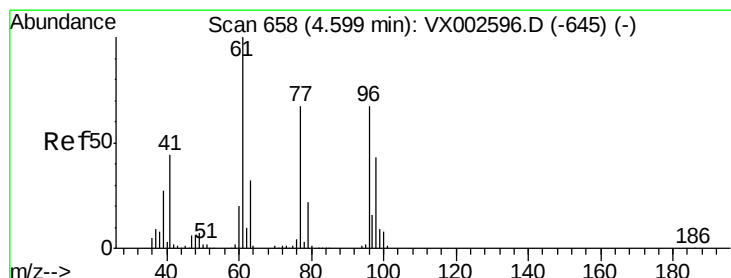
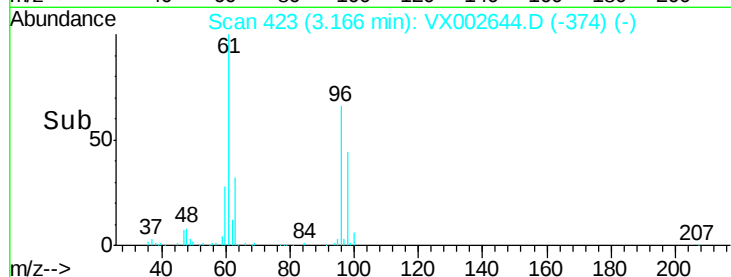
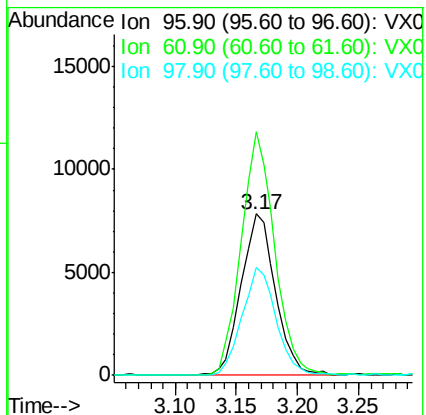
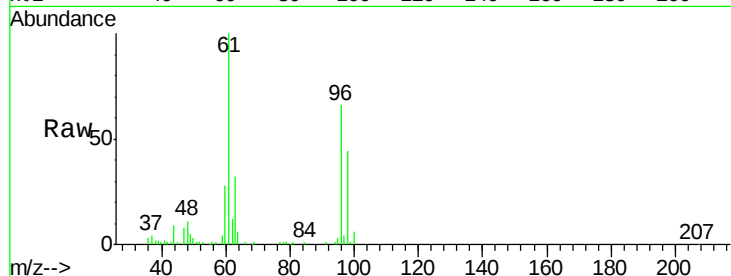
Tot Ion: 96 Resp: 15330

Ion Ratio Lower Upper

96 100

61 151.1 117.0 175.4

98 67.1 52.4 78.6



#27

cis-1,2-Dichloroethene

Concen: 56.65 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

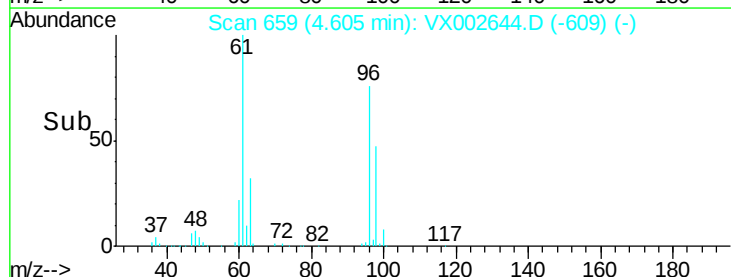
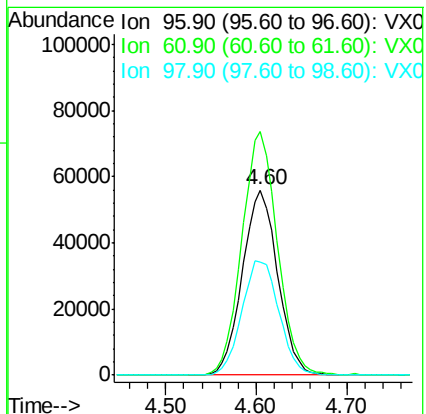
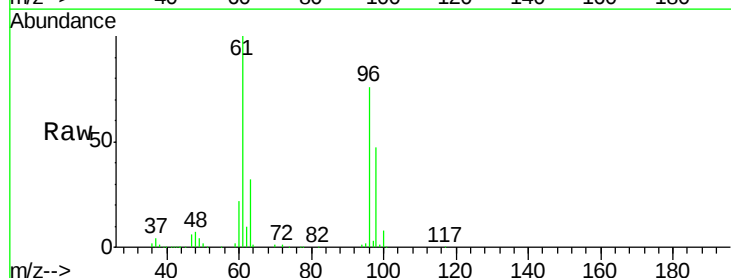
Tgt Ion: 96 Resp: 151322

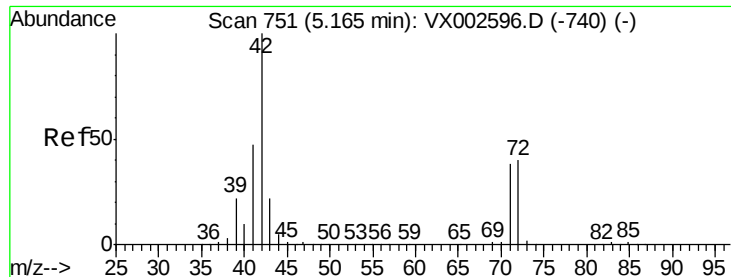
Ion Ratio Lower Upper

96 100

61 132.5 0.0 330.2

98 64.9 0.0 130.2

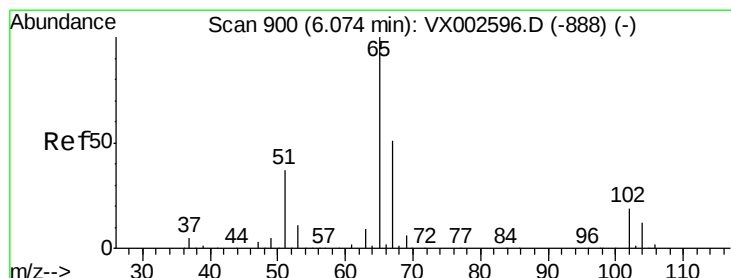
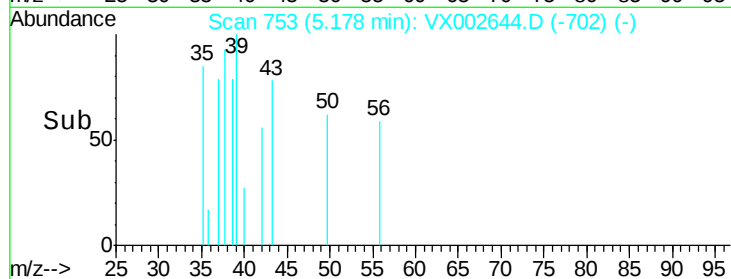
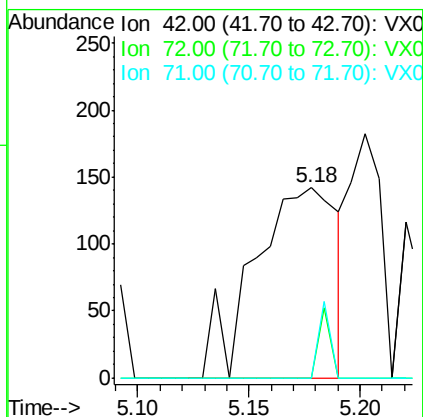
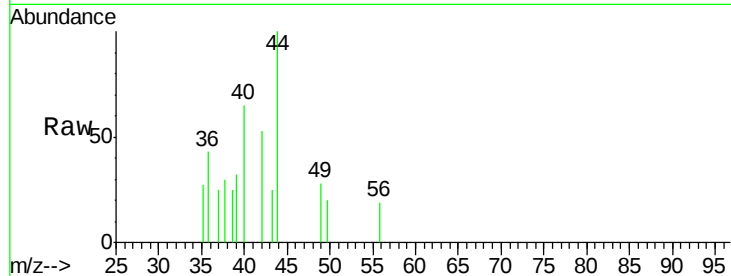




#29  
Tetrahydrofuran  
Concen: 0.29 ug/l  
RT: 5.18 min Scan# 753  
Delta R.T. 0.01 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

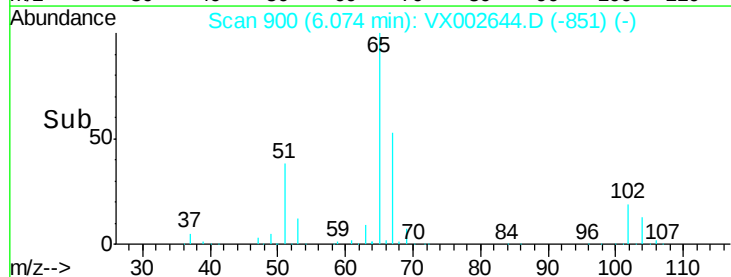
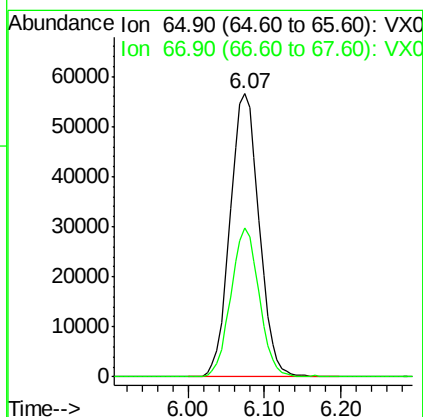
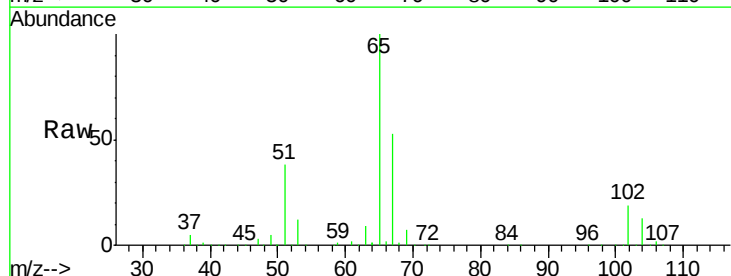
Instrument :  
MSVOA\_X  
ClientSampled :

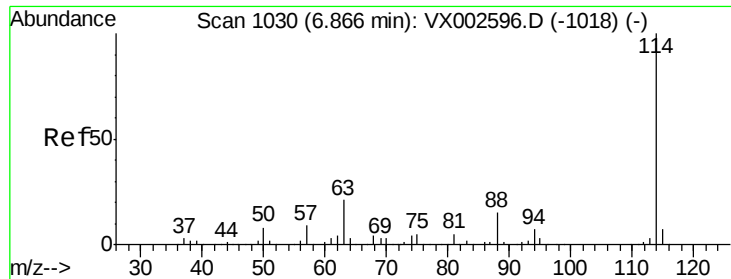
Tot Ion: 42 Resp: 368  
Ion Ratio Lower Upper  
42 100  
72 5.2 32.0 48.0#  
71 5.7 30.1 45.1#



#33  
1,2-Dichloroethane-d4  
Concen: 45.30 ug/l  
RT: 6.07 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

Tgt Ion: 65 Resp: 149073  
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# 1030

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :  
MSVOA\_X  
ClientSampleId :

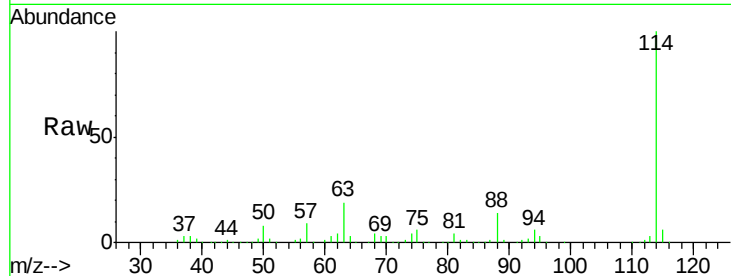
Tot Ion:114 Resp: 310508

Ion Ratio Lower Upper

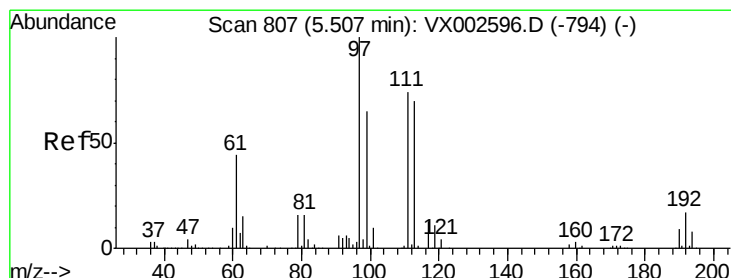
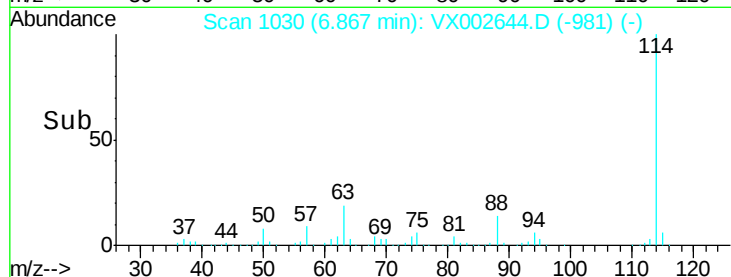
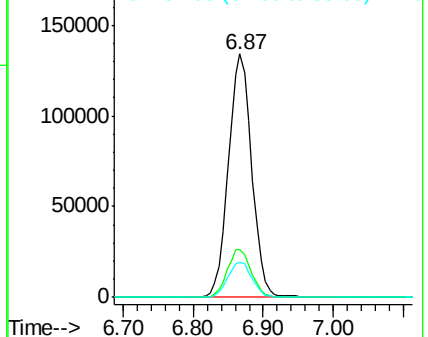
114 100

63 19.4 0.0 41.4

88 14.4 0.0 30.0



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: 46.20 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

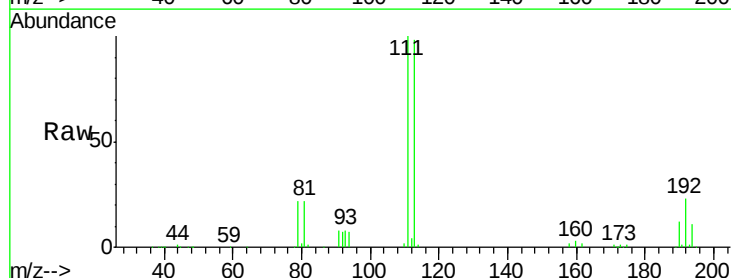
Tgt Ion:113 Resp: 114494

Ion Ratio Lower Upper

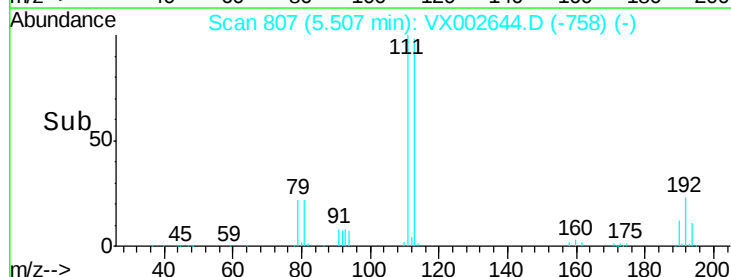
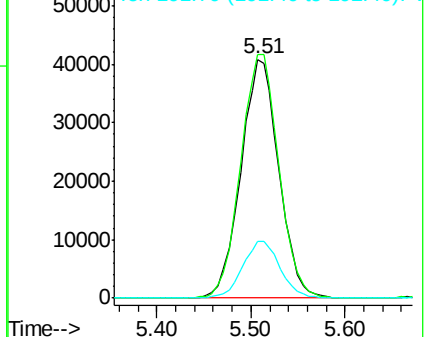
113 100

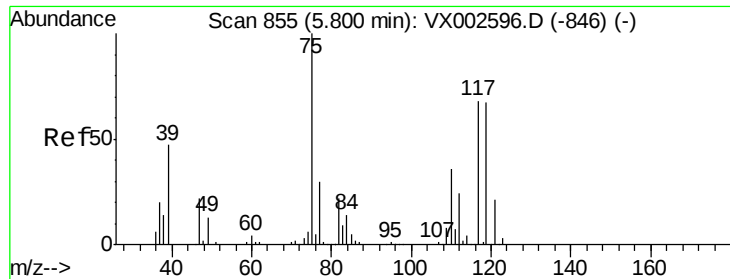
111 103.1 81.4 122.0

192 23.4 19.1 28.7



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

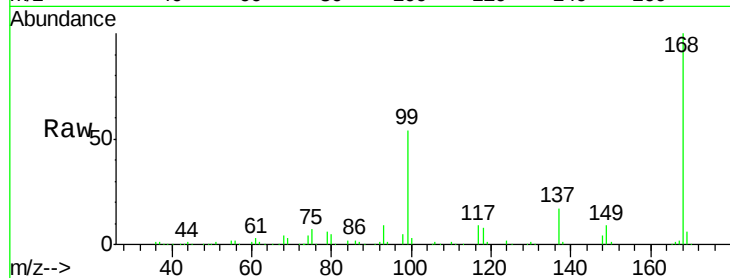




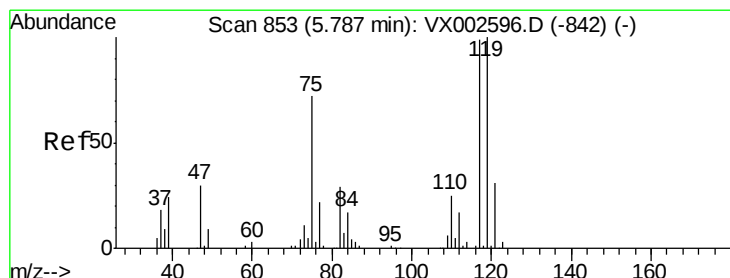
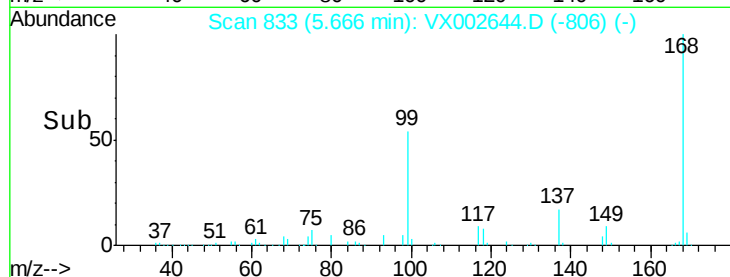
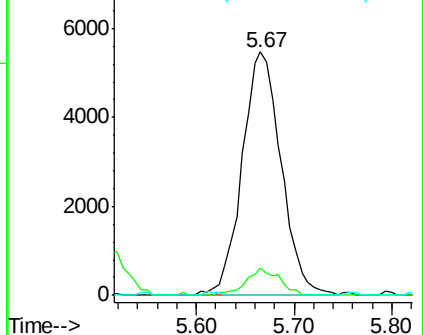
#36  
 1,1-Dichloropropene  
 Concen: 4.62 ug/l  
 RT: 5.67 min Scan# 833  
 Delta R.T. -0.13 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion: 75 Resp: 15221  
 Ion Ratio Lower Upper  
 75 100  
 110 9.6 18.1 54.4#  
 77 0.0 24.3 36.5#

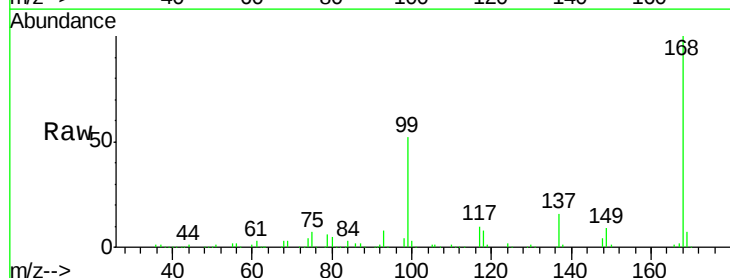


Abundance Ion 74.90 (74.60 to 75.60): VX0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VX0

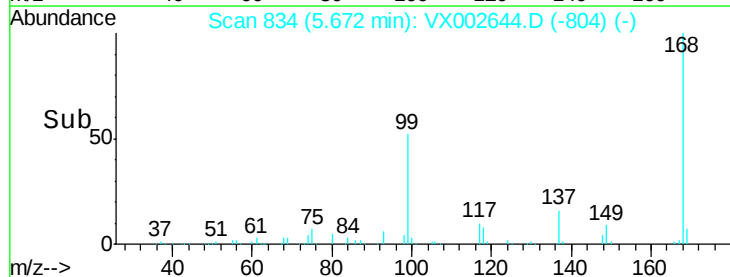
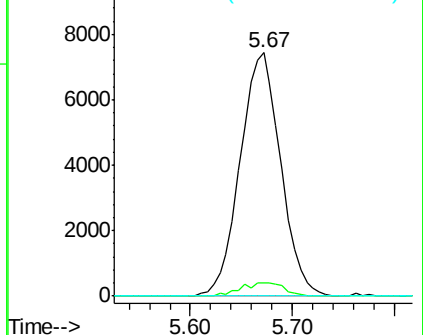


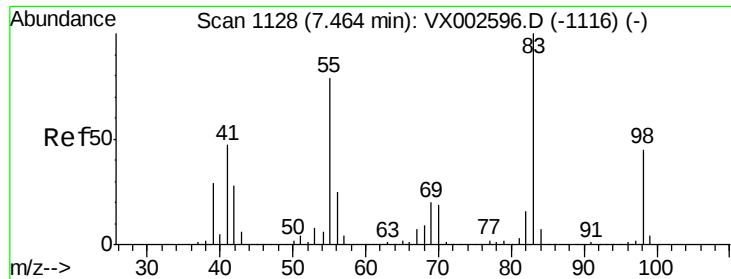
#38  
 Carbon Tetrachloride  
 Concen: 6.24 ug/l  
 RT: 5.67 min Scan# 834  
 Delta R.T. -0.12 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

Tgt Ion: 117 Resp: 20507  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 77.4 116.0#  
 121 0.0 24.4 36.6#



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

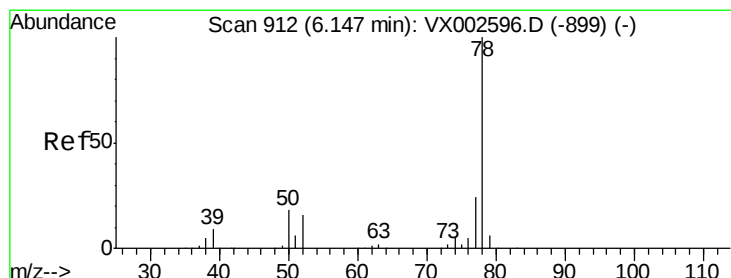
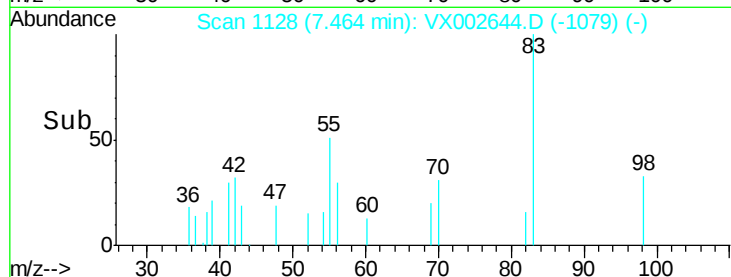
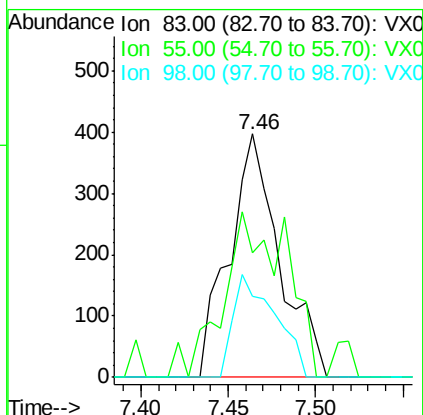
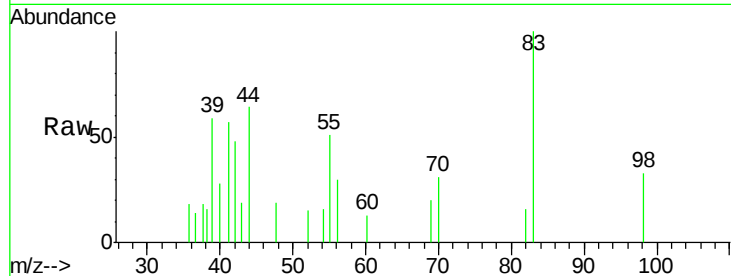




#39  
Methvlcvclohexane  
Concen: 0.21 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

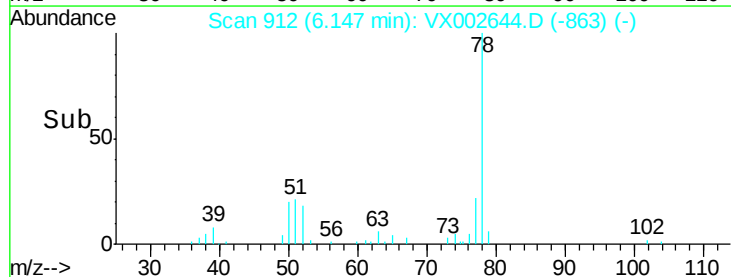
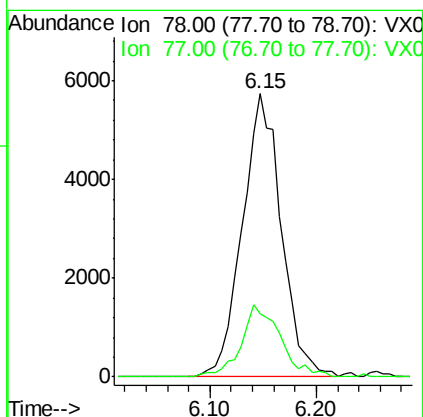
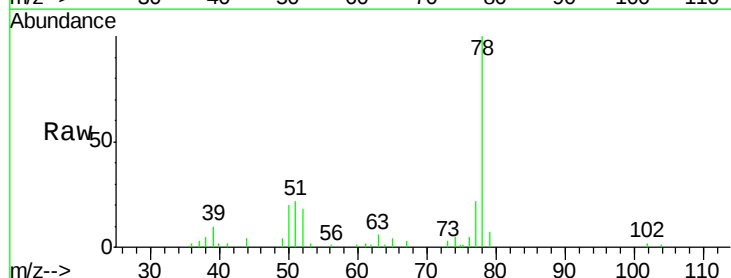
Instrument :  
MSVOA\_X  
ClientSampled :

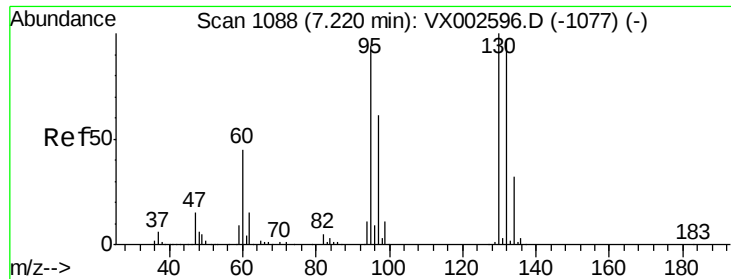
Tot Ion: 83 Resp: 799  
Ion Ratio Lower Upper  
83 100  
55 51.4 65.4 98.0#  
98 33.2 37.4 56.0#



#40  
Benzene  
Concen: 1.49 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

Tgt Ion: 78 Resp: 14740  
Ion Ratio Lower Upper  
78 100  
77 22.2 19.1 28.7





#44

Trichloroethene

Concen: 0.32 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

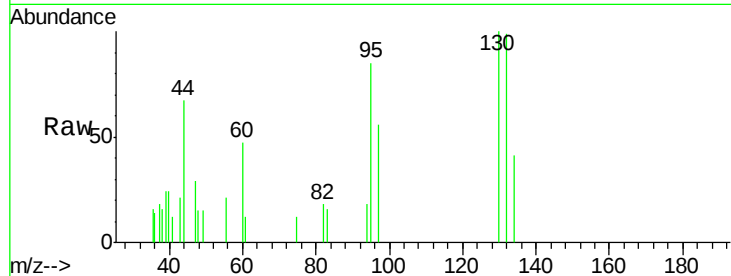
ClientSampled :

Tot Ion:130 Resp: 911

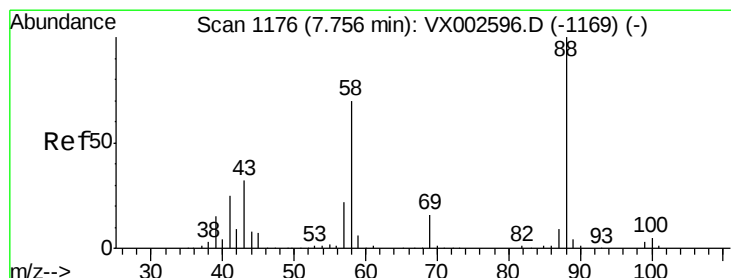
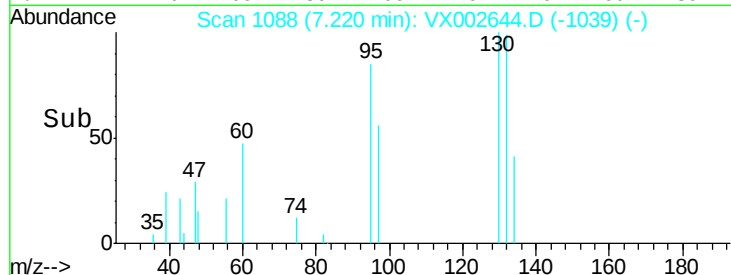
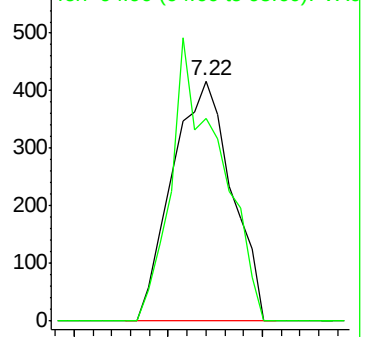
Ion Ratio Lower Upper

130 100

95 84.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.33 ug/l

RT: 8.01 min Scan# 1217

Delta R.T. 0.25 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

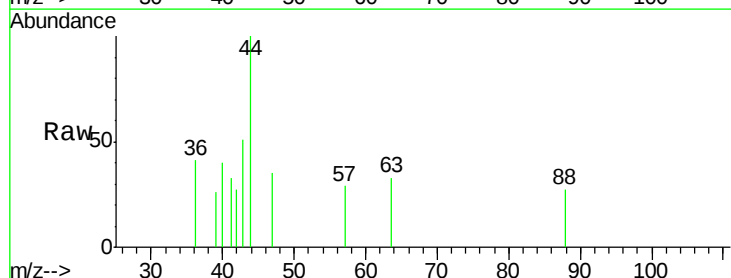
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

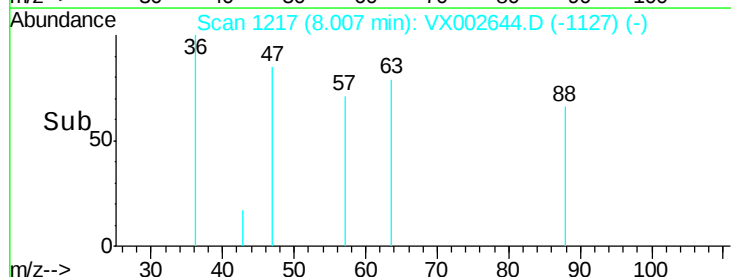
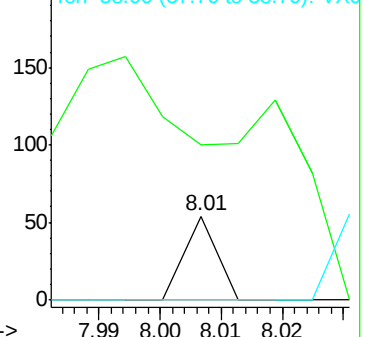
88 100

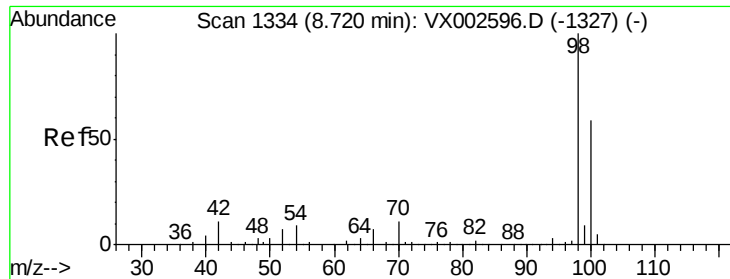
43 1725.0 29.8 44.6#

58 0.0 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 47.45 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

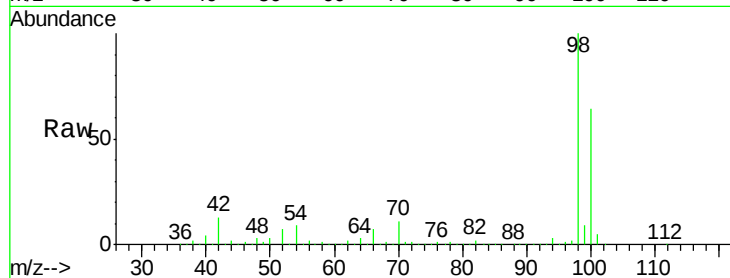
ClientSampleId :

Tot Ion: 98 Resp: 446493

Ion Ratio Lower Upper

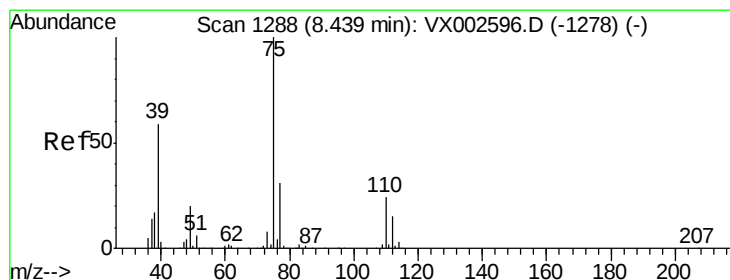
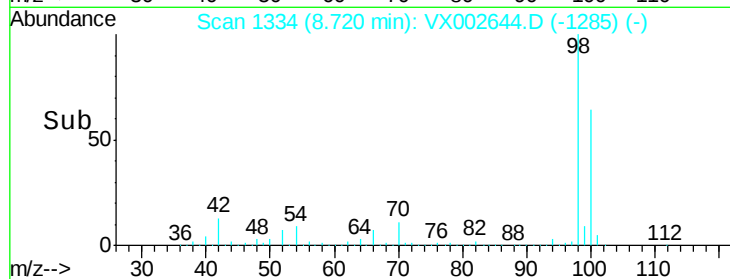
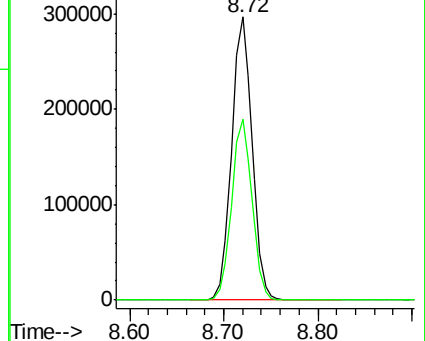
98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.33 min Scan# 1270

Delta R.T. -0.11 min

Lab File: VX002644.D

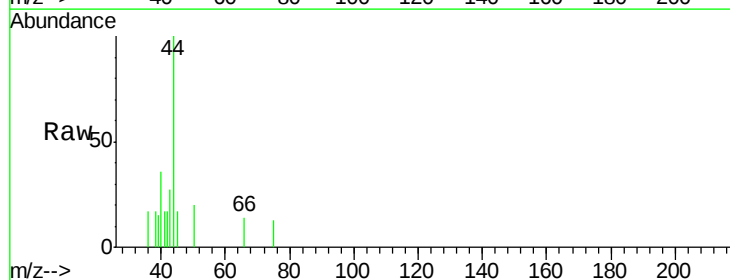
Acq: 16 Jun 2018 13:22

Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

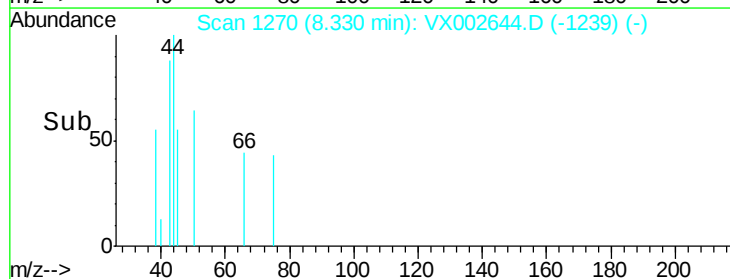
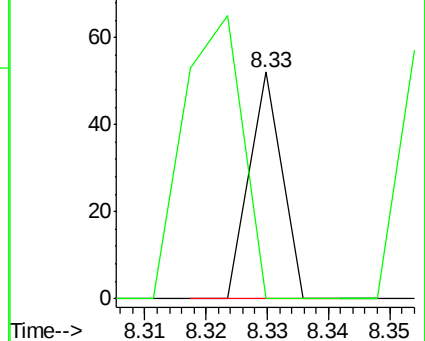
75 100

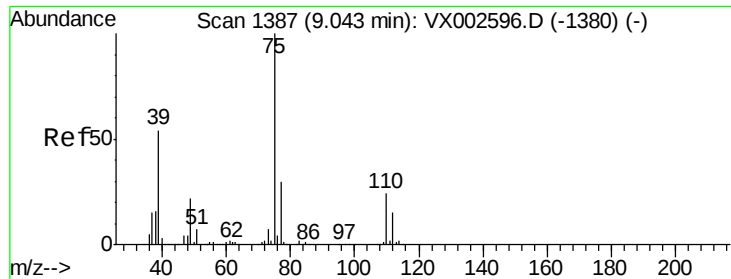
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



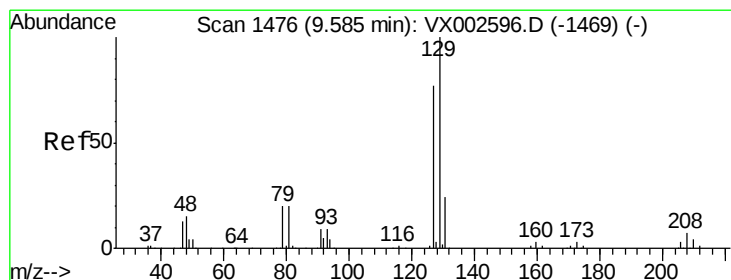
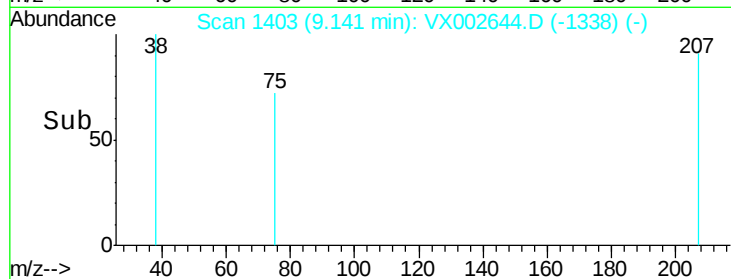
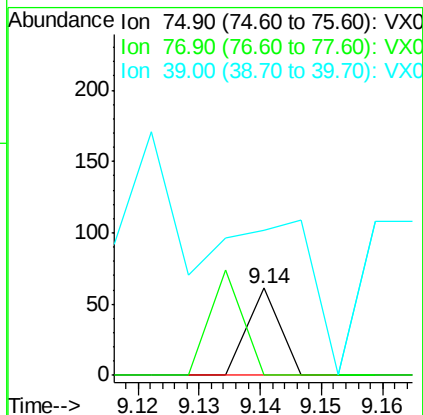
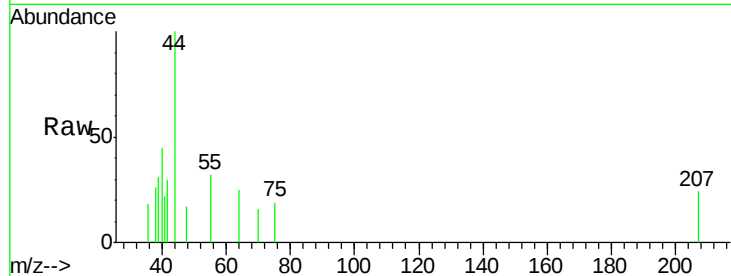


#54

cis-1,3-Dichloropropene  
 Concen: 3.22 ug/l  
 RT: 9.14 min Scan# 1403  
 Delta R.T. 0.10 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

Instrument :  
 MSVOA\_X  
 ClientSampled :

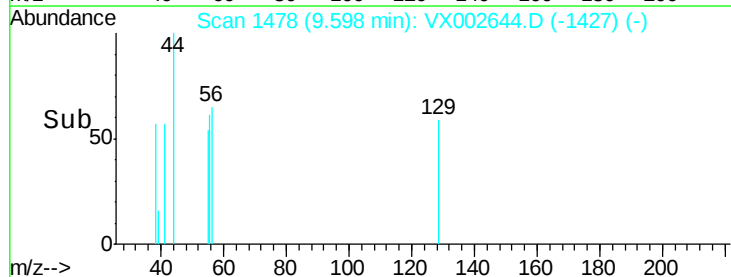
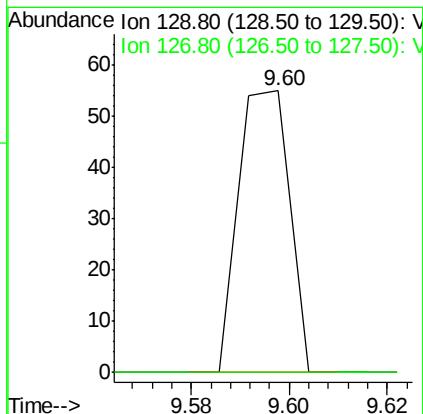
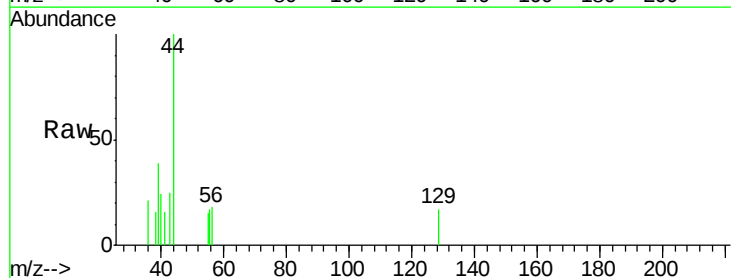
Tot Ion: 75 Resp: 22  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.8 37.2#  
 39 167.2 42.4 63.6#

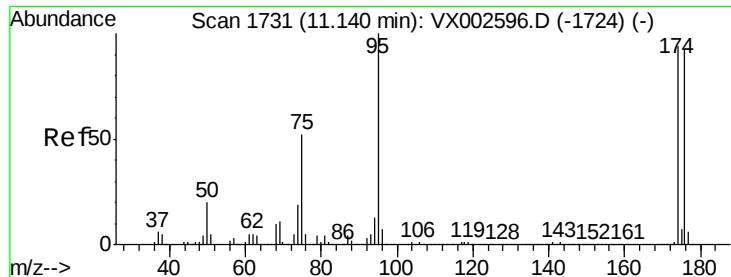


#60

Dibromochloromethane  
 Concen: 3.77 ug/l  
 RT: 9.60 min Scan# 1478  
 Delta R.T. 0.01 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

Tgt Ion:129 Resp: 40  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 44.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

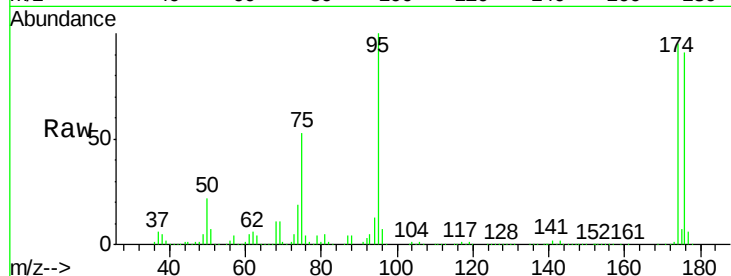
Tot Ion: 95 Resp: 157992

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

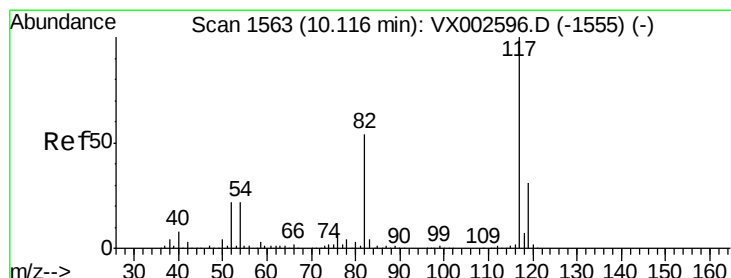
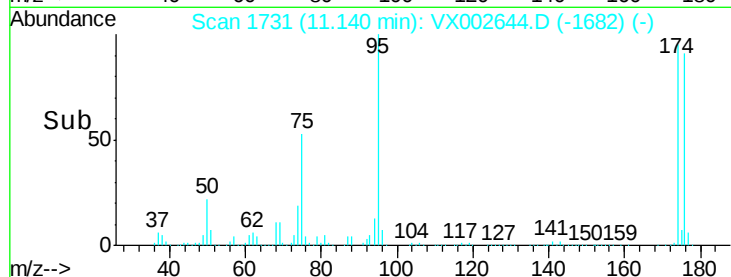
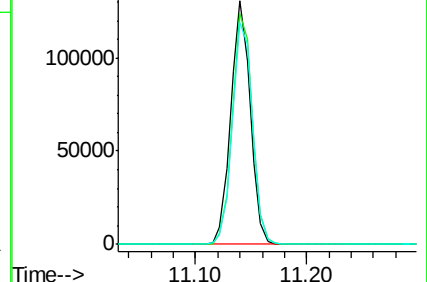
176 94.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002596.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002596.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002596.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

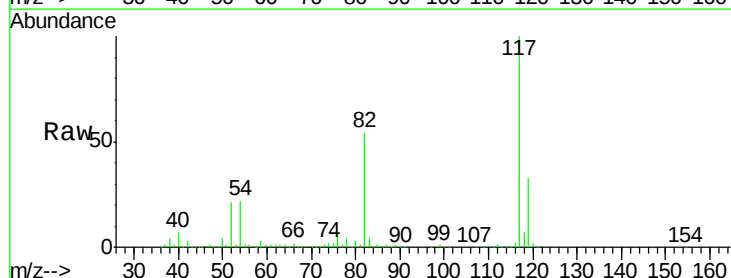
Tgt Ion: 117 Resp: 294343

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

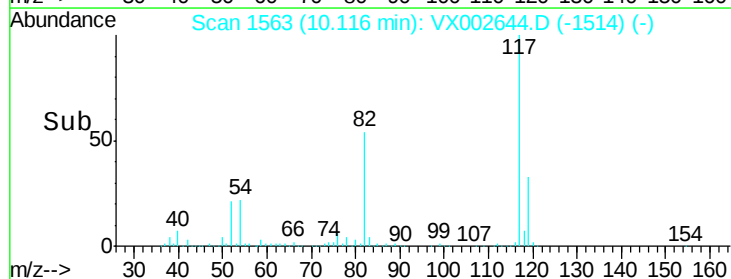
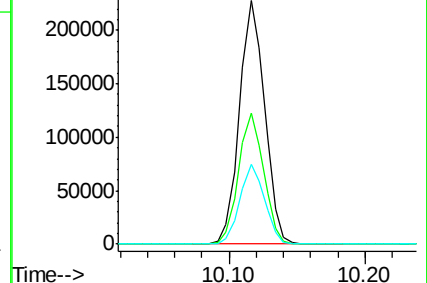
119 32.8 25.8 38.6

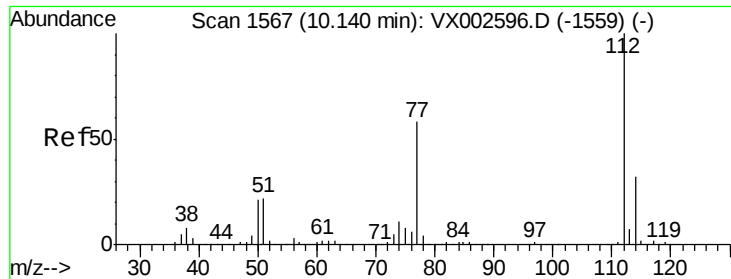


Abundance Ion 116.90 (116.60 to 117.60): VX002596.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002596.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002596.D (-1555) (-)

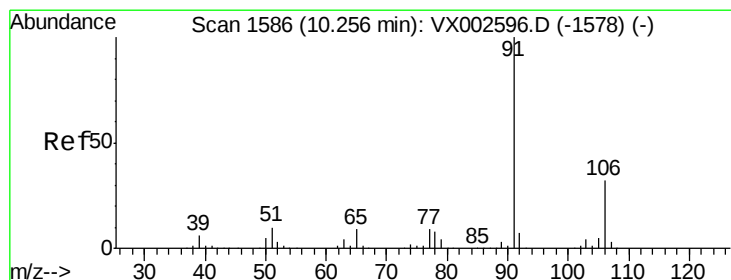
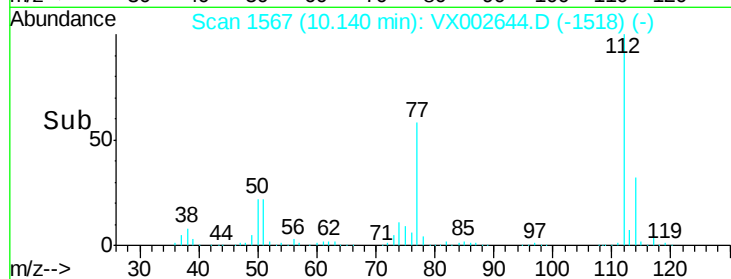
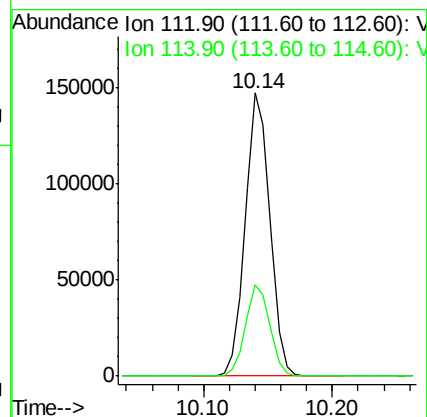
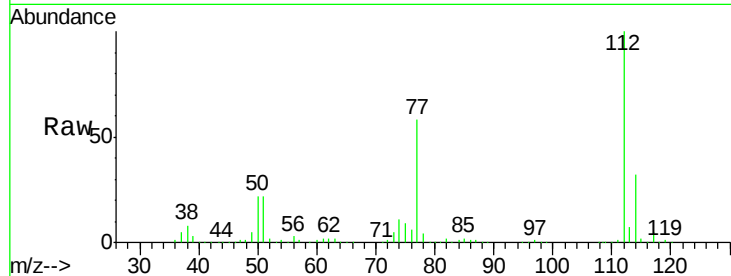




#65  
Chlorobenzene  
Concen: 26.81 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

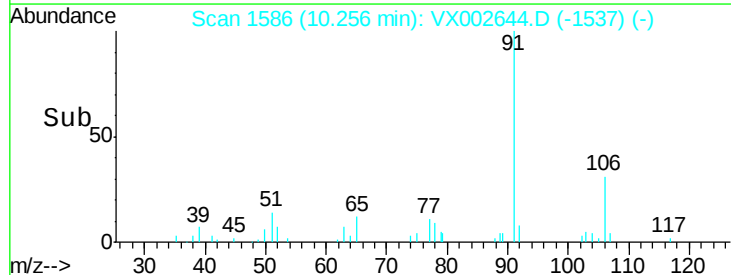
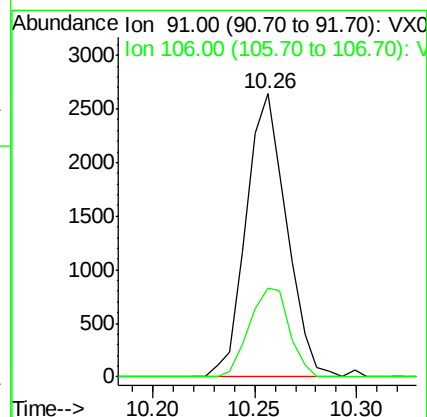
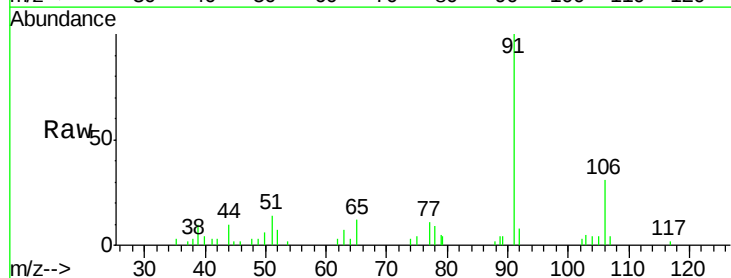
Instrument :  
MSVOA\_X  
ClientSampleId :

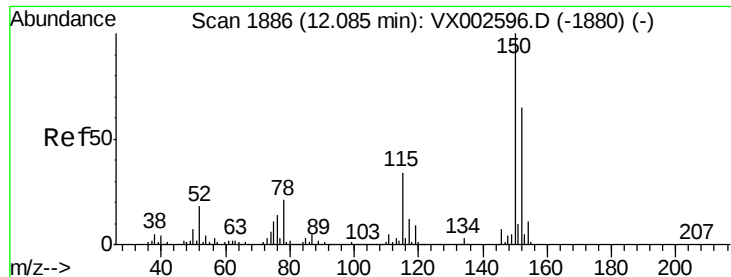
Tot Ion:112 Resp: 193823  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.3 37.9



#67  
Ethyl Benzene  
Concen: 0.30 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VX002644.D  
Acq: 16 Jun 2018 13:22

Tgt Ion: 91 Resp: 3640  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

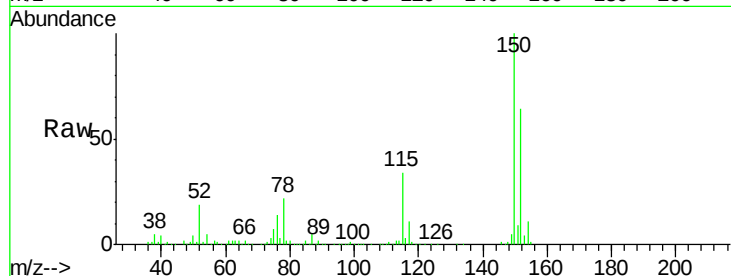
Tot Ion:152 Resp: 170220

Ion Ratio Lower Upper

152 100

115 55.4 40.1 120.2

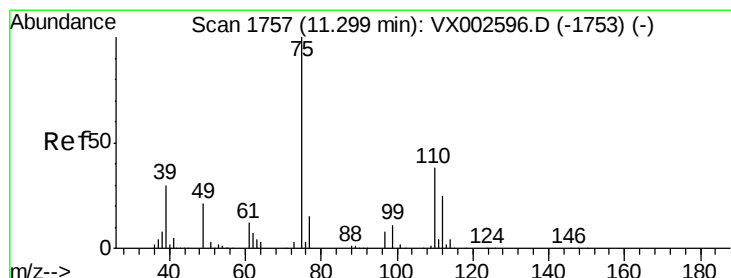
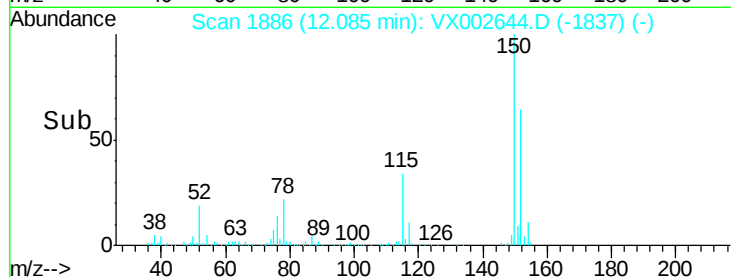
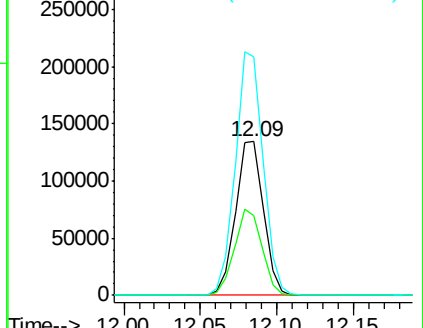
150 157.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002644.D

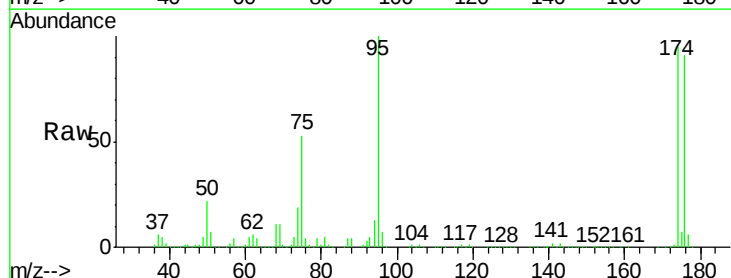
Acq: 16 Jun 2018 13:22

Tgt Ion: 75 Resp: 85150

Ion Ratio Lower Upper

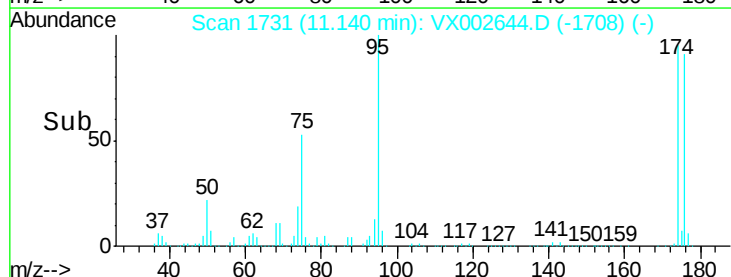
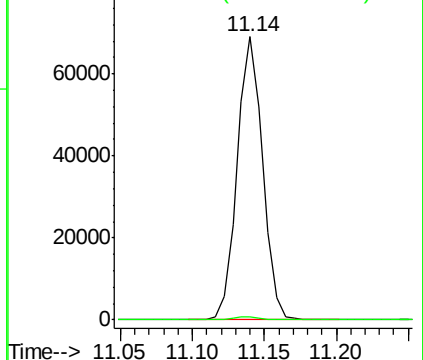
75 100

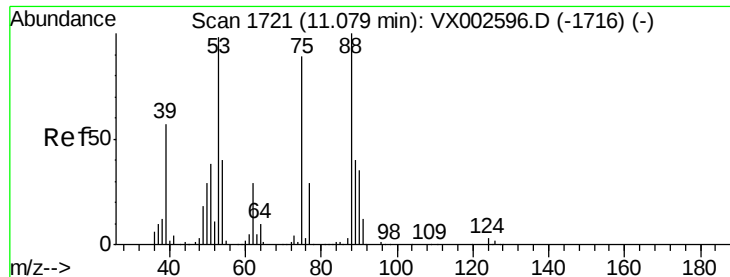
77 1.4 22.8 68.3#



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: 81.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

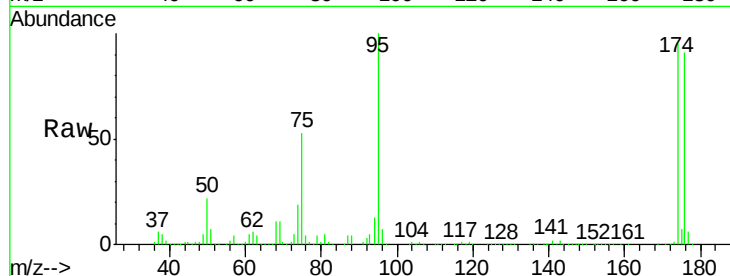
Tot Ion: 75 Resp: 85150

Ion Ratio Lower Upper

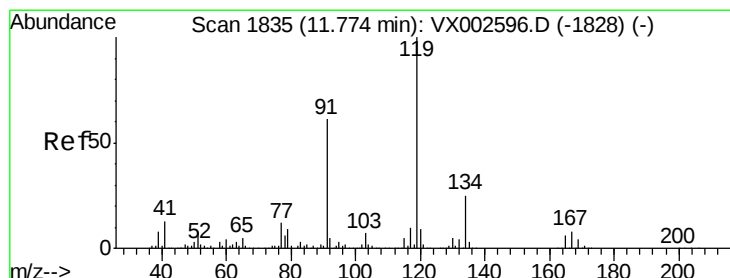
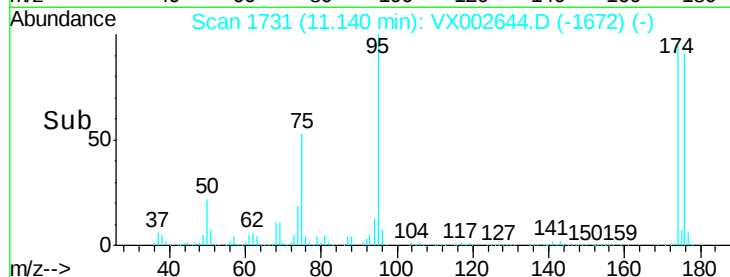
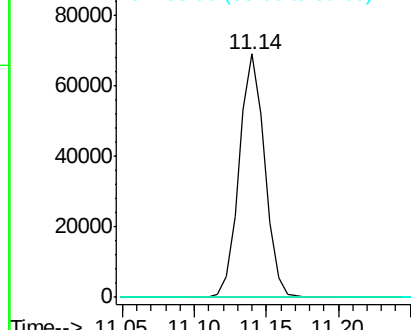
75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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



#83

tert-Butylbenzene

Concen: 0.23 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

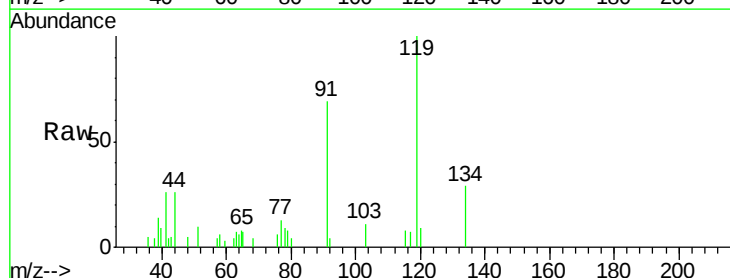
Tgt Ion: 119 Resp: 2103

Ion Ratio Lower Upper

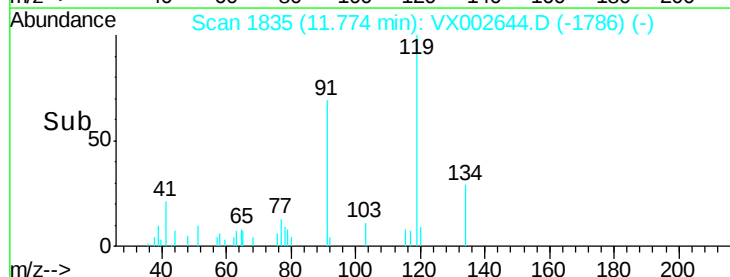
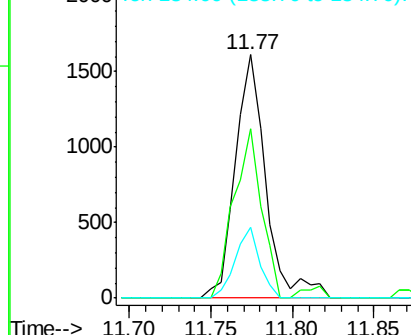
119 100

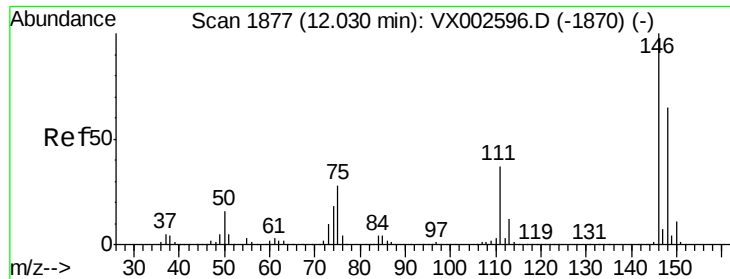
91 63.1 30.3 90.9

134 23.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): VX0  
Ion 134.00 (133.70 to 134.70): V

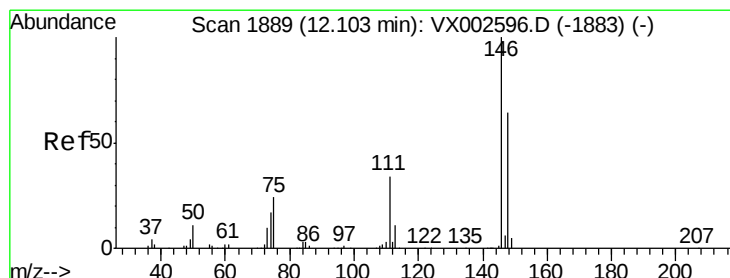
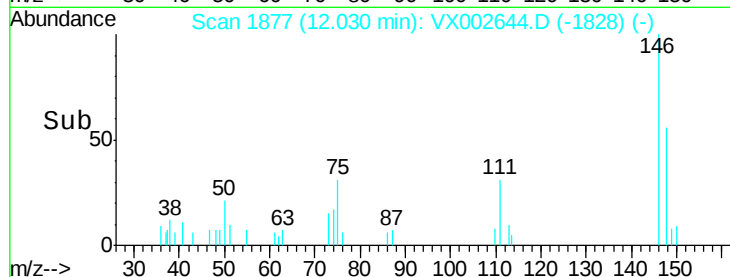
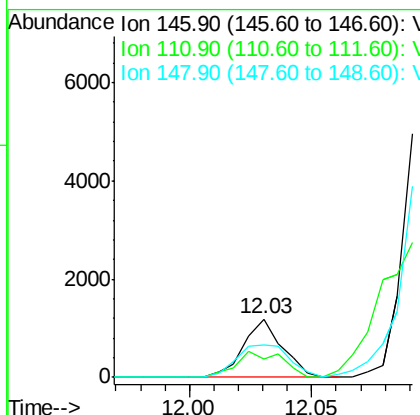
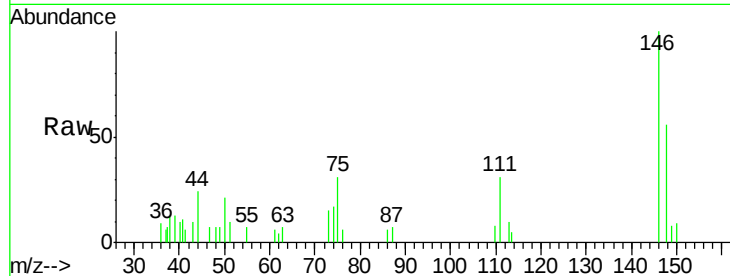




#87  
 1,3-Dichlorobenzene  
 Concen: 0.23 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

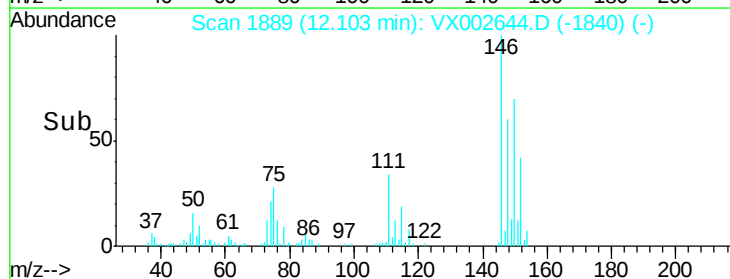
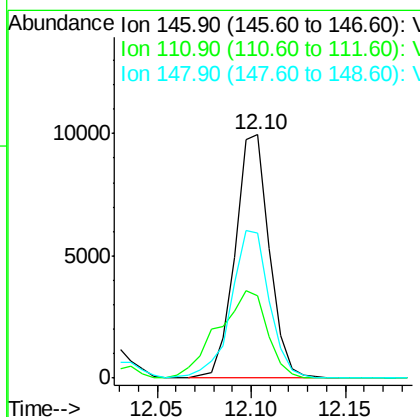
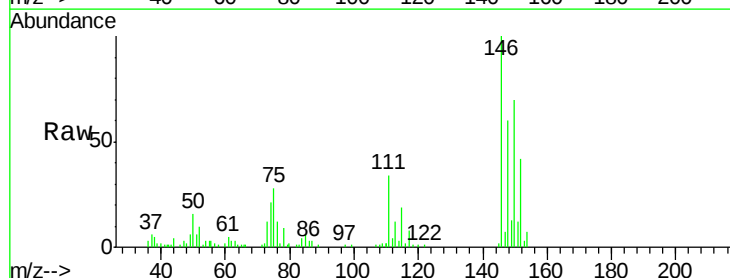
Instrument :  
 MSVOA\_X  
 ClientSampleId :

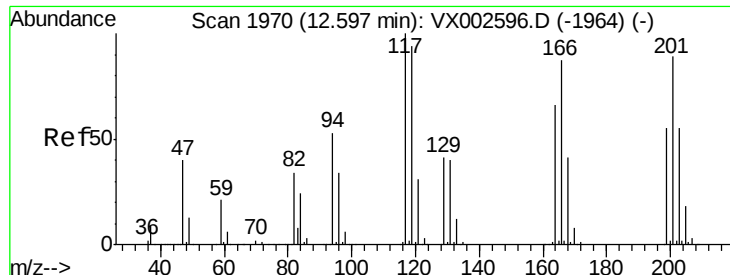
Tot Ion:146 Resp: 1322  
 Ion Ratio Lower Upper  
 146 100  
 111 51.9 18.9 56.7  
 148 77.0 32.1 96.3



#88  
 1,4-Dichlorobenzene  
 Concen: 2.12 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. 0.00 min  
 Lab File: VX002644.D  
 Acq: 16 Jun 2018 13:22

Tgt Ion:146 Resp: 12539  
 Ion Ratio Lower Upper  
 146 100  
 111 51.6 18.7 56.1  
 148 67.9 32.4 97.0





#90

Hexachloroethane

Concen: 2.83 ug/l

RT: 12.71 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA\_X

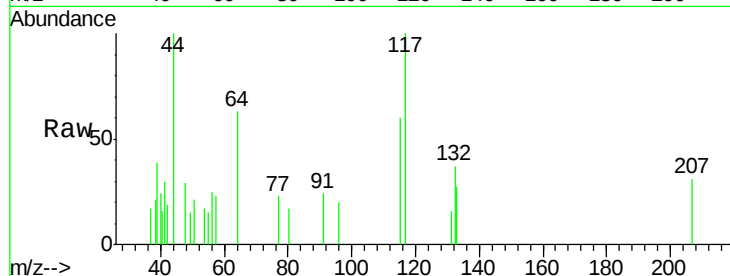
ClientSampled :

Tot Ion:117 Resp: 350

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.71

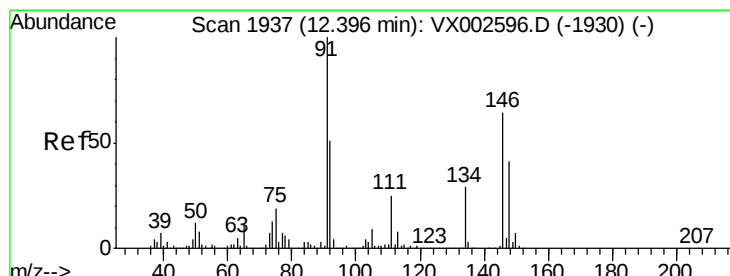
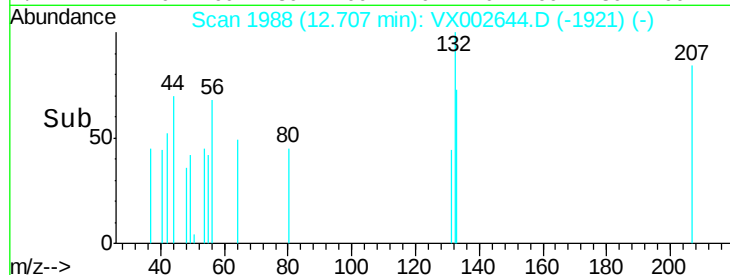
300

200

100

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.20 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

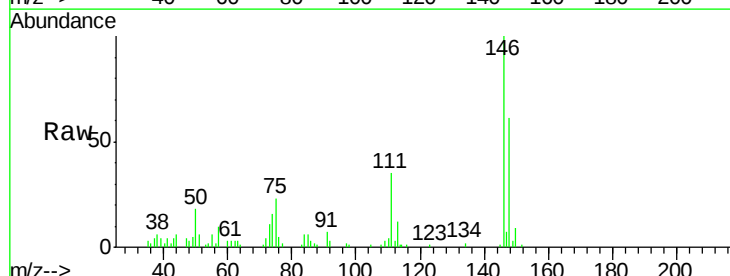
Tgt Ion:146 Resp: 7026

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.1

148 63.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.40

8000

6000

4000

2000

0

Time-->

