

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
 Data File : VX002638.D  
 Acq On : 16 Jun 2018 10:43  
 Operator : JC/MD  
 Sample : J3479-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 18 06:09:30 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

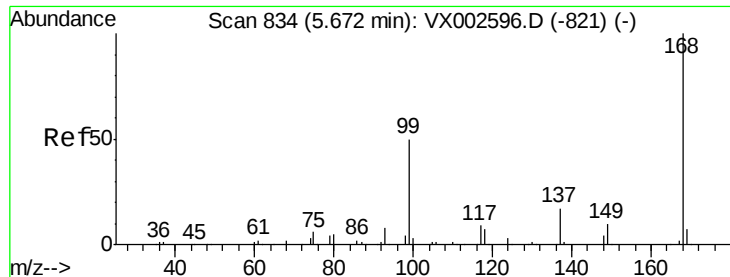
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 219767   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 313813   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 302845   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 190518   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 150709   | 45.13 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.26% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 115446   | 46.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.18% |      |
| 50) Toluene-d8              | 8.72   | 98  | 450917   | 47.42 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.84% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 171511   | 47.60 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.20% |      |

| Target Compounds               |       |     |          |         |        | Qvalue |
|--------------------------------|-------|-----|----------|---------|--------|--------|
| 5) Bromomethane                | 1.65  | 94  | 1253     | 0.72    | ug/l   | 90     |
| 6) Chloroethane                | 1.68  | 64  | 516      | 0.27    | ug/l # | 63     |
| 10) Methyl Iodide              | 2.51  | 142 | 1396     | 5.54    | ug/l   | 90     |
| 11) Tert butyl alcohol         | 3.07  | 59  | 16400    | 23.75   | ug/l   | 97     |
| 13) Acrolein                   | 2.31  | 56  | 110      | 7.19    | ug/l # | 14     |
| 16) Acetone                    | 2.45  | 43  | 4516     | 3.07    | ug/l   | 98     |
| 18) Methyl Acetate             | 2.79  | 43  | 1688     | 0.43    | ug/l # | 83     |
| 25) 2-Butanone                 | 4.71  | 43  | 2486     | 1.28    | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96  | 1916     | 0.71    | ug/l # | 1      |
| 29) Tetrahydrofuran            | 5.18  | 42  | 523      | 0.41    | ug/l # | 40     |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 15638    | 4.69    | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 20248    | 6.10    | ug/l # | 16     |
| 40) Benzene                    | 6.15  | 78  | 34590    | 3.46    | ug/l   | 99     |
| 52) Toluene                    | 8.79  | 92  | 1483     | 0.23    | ug/l   | 87     |
| 53) t-1,3-Dichloropropene      | 8.20  | 75  | 29       | 2.40    | ug/l # | 43     |
| 54) cis-1,3-Dichloropropene    | 9.13  | 75  | 20       | 3.22    | ug/l # | 70     |
| 60) Dibromochloromethane       | 9.34  | 129 | 176      | 3.82    | ug/l # | 11     |
| 65) Chlorobenzene              | 10.15 | 112 | 4574663  | 615.09  | ug/l   | 96     |
| 71) Bromoform                  | 10.87 | 173 | 615      | 5.08    | ug/l # | 88     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 90970    | 25.30   | ug/l # | 33     |
| 79) 2-Chlorotoluene            | 11.43 | 91  | 2493     | 0.29    | ug/l # | 56     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 90970    | 78.38   | ug/l # | 7      |
| 86) p-Isopropyltoluene         | 12.24 | 119 | 4252     | 0.36    | ug/l   | 88     |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146 | 443395   | 68.11   | ug/l   | 99     |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146 | 1379835  | 208.31  | ug/l   | 99     |
| 90) Hexachloroethane           | 12.54 | 117 | 622      | 2.95    | ug/l # | 1      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146 | 10926695 | 1667.65 | ug/l   | 92     |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75  | 383      | 0.49    | ug/l # | 1      |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180 | 27169    | 5.71    | ug/l   | 97     |
| 95) Naphthalene                | 13.84 | 128 | 4144     | 0.32    | ug/l # | 94     |
| 96) 1,2,3-Trichlorobenzene     | 14.02 | 180 | 20547    | 4.30    | 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: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

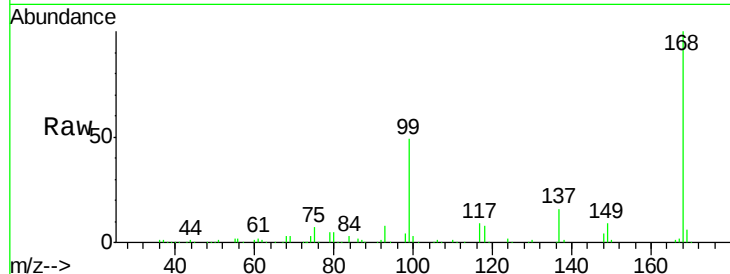
ClientSampleId :

Tot Ion:168 Resp: 219767

Ion Ratio Lower Upper

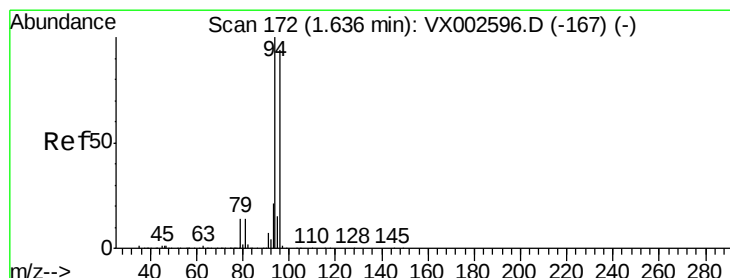
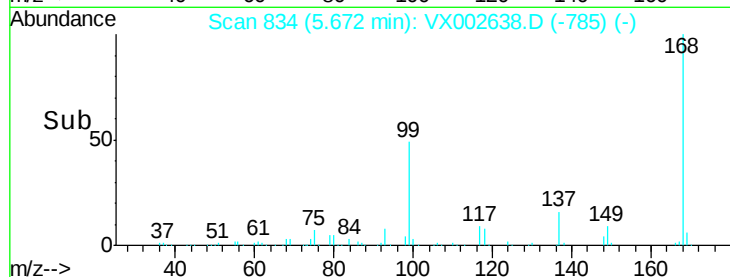
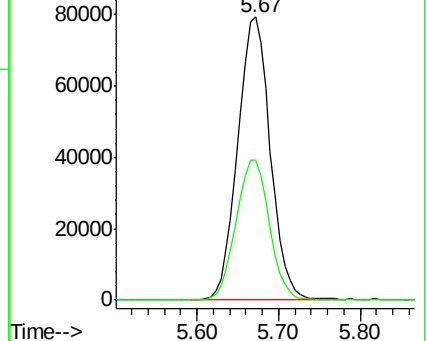
168 100

99 49.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.72 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002638.D

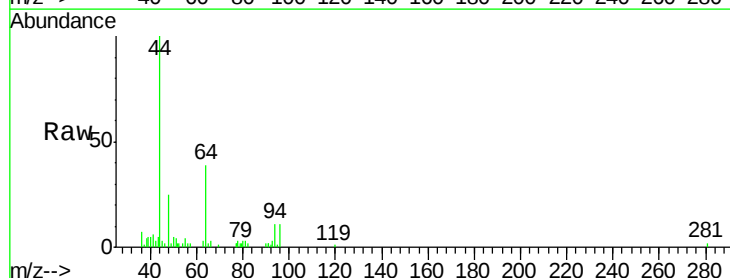
Acq: 16 Jun 2018 10:43

Tgt Ion: 94 Resp: 1253

Ion Ratio Lower Upper

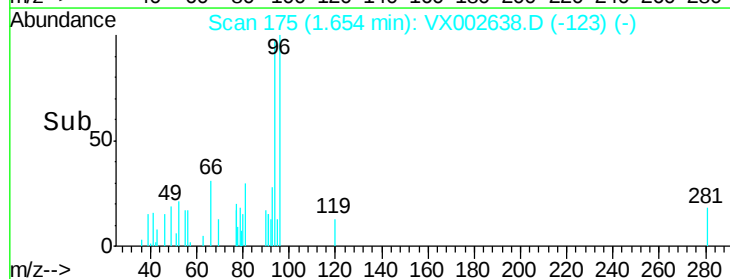
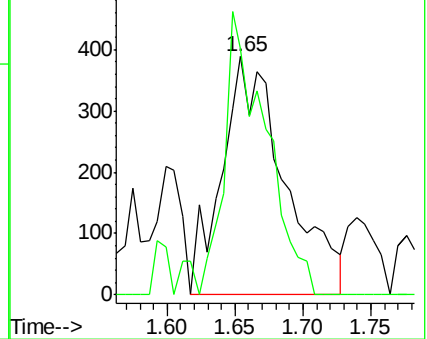
94 100

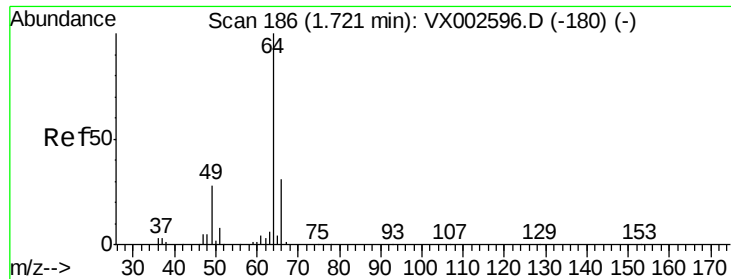
96 103.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.27 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

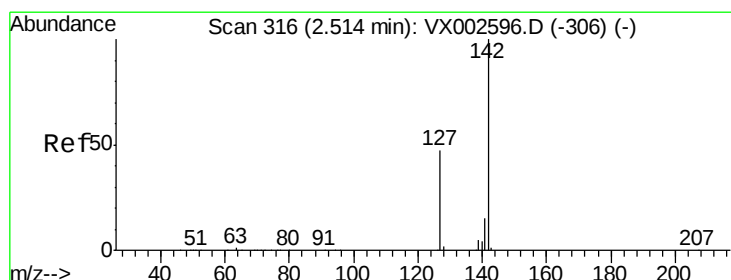
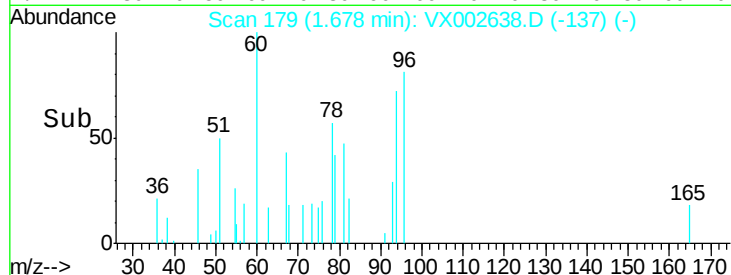
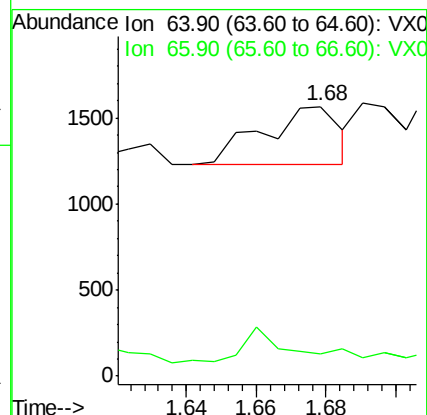
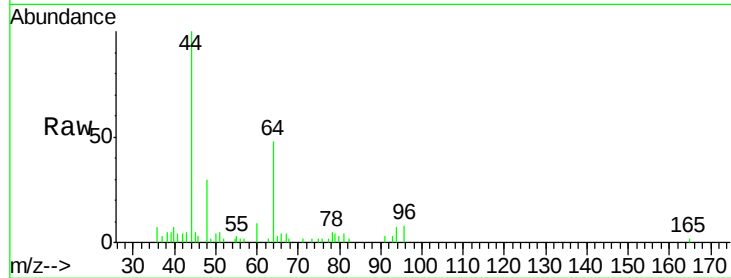
ClientSampled :

Tot Ion: 64 Resp: 516

Ion Ratio Lower Upper

64 100

66 11.3 25.5 38.3#



#10

Methyl Iodide

Concen: 5.54 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

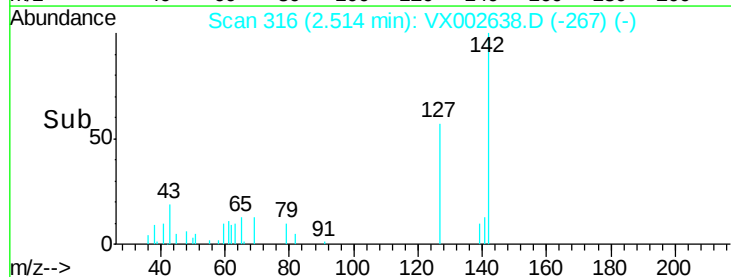
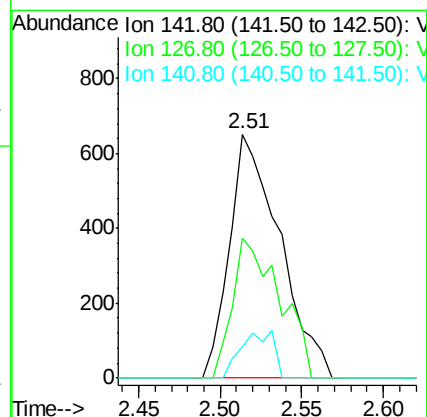
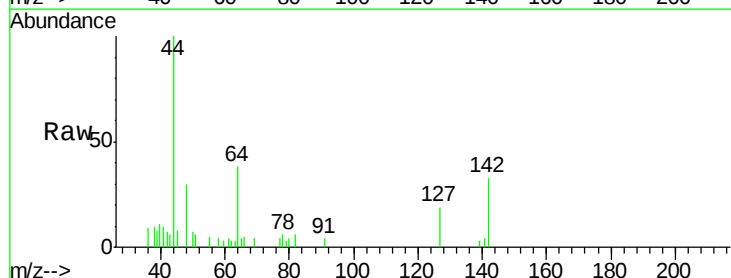
Tgt Ion: 142 Resp: 1396

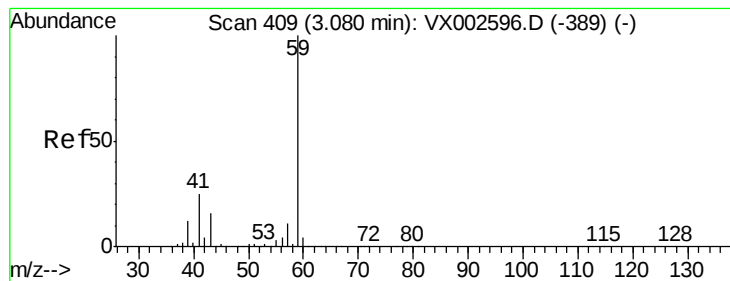
Ion Ratio Lower Upper

142 100

127 53.9 36.6 55.0

141 12.6 11.3 16.9



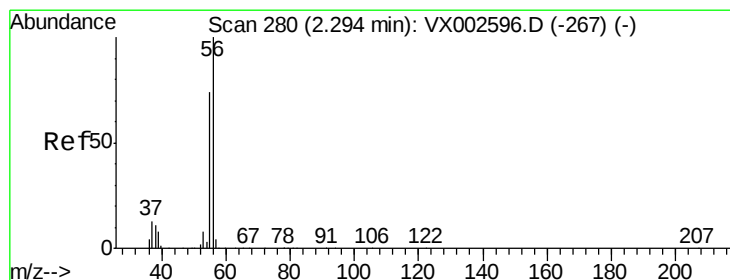
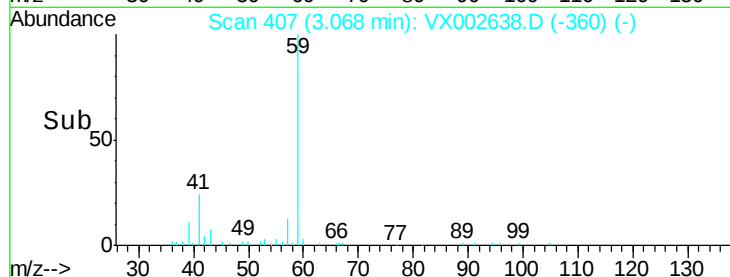
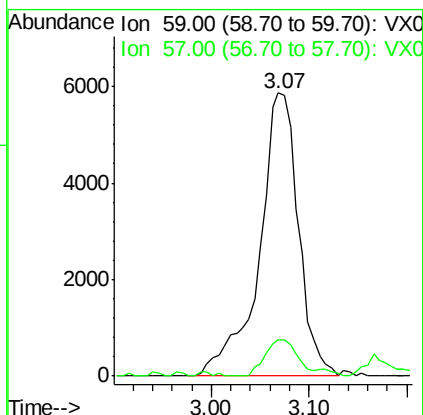
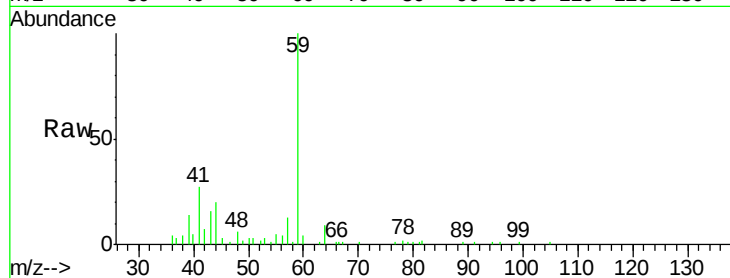


#11

Tert butyl alcohol  
Concen: 23.75 ug/l  
RT: 3.07 min Scan# 407  
Delta R.T. -0.01 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Instrument :  
MSVOA\_X  
ClientSampleId :

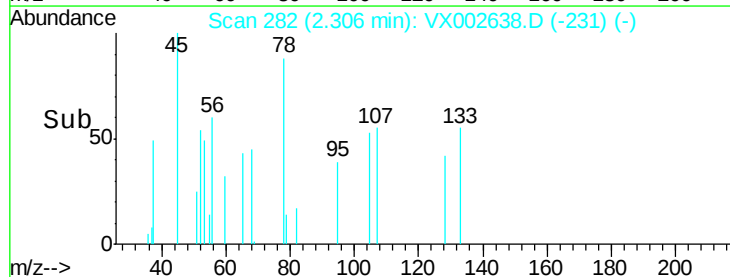
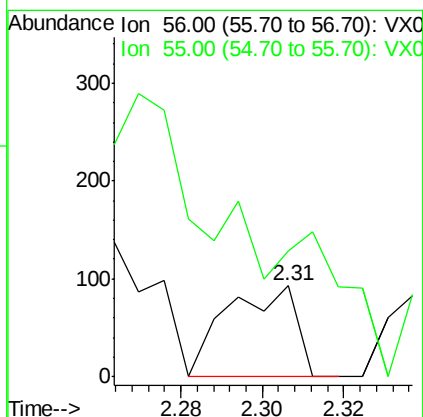
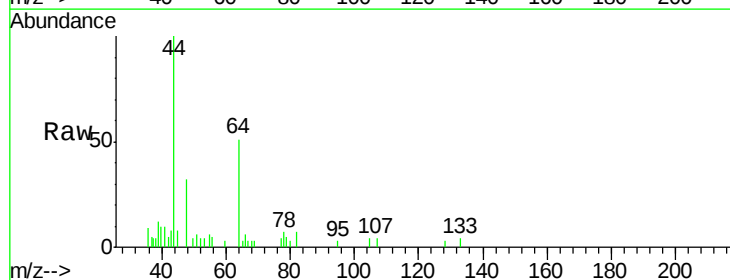
Tot Ion: 59 Resp: 16400  
Ion Ratio Lower Upper  
59 100  
57 11.5 8.2 12.2

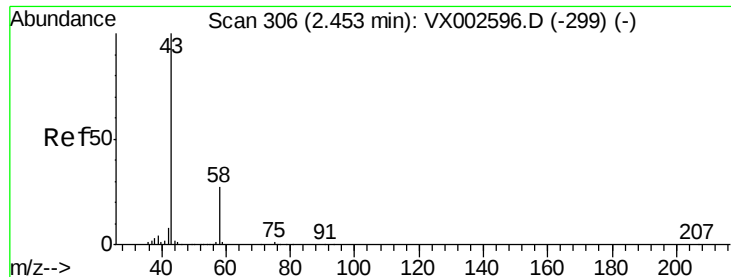


#13

Acrolein  
Concen: 7.19 ug/l  
RT: 2.31 min Scan# 282  
Delta R.T. 0.01 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Tgt Ion: 56 Resp: 110  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.0 85.4#





#16

Acetone

Concen: 3.07 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

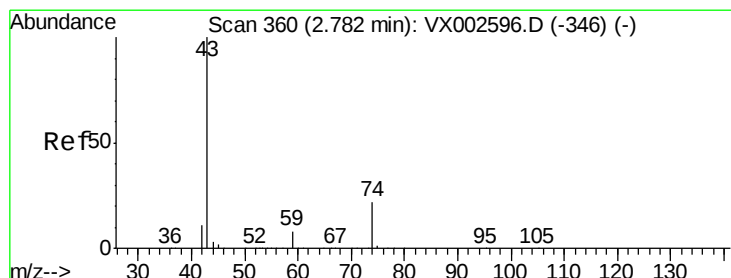
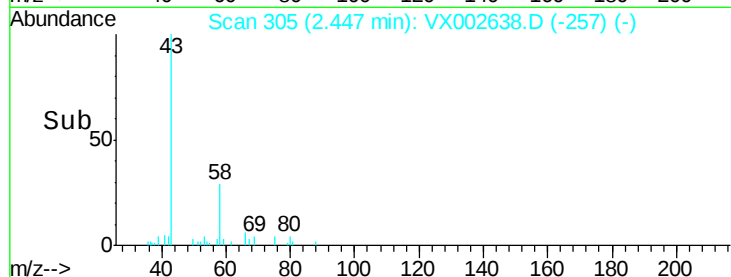
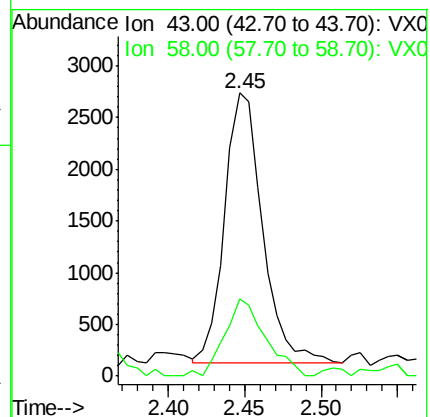
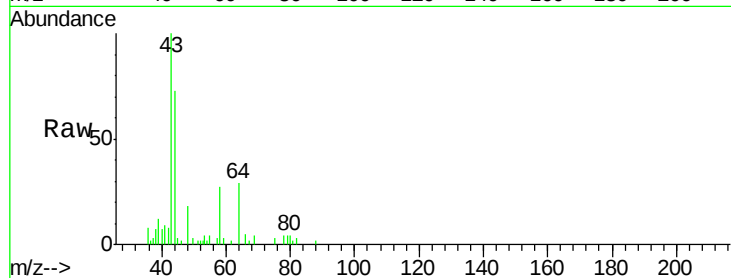
ClientSampleId :

Tot Ion: 43 Resp: 4516

Ion Ratio Lower Upper

43 100

58 26.7 22.1 33.1



#18

Methyl Acetate

Concen: 0.43 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002638.D

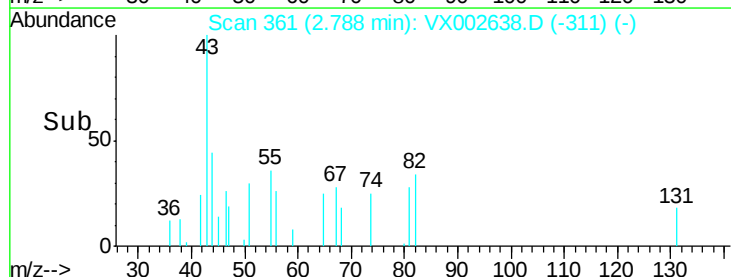
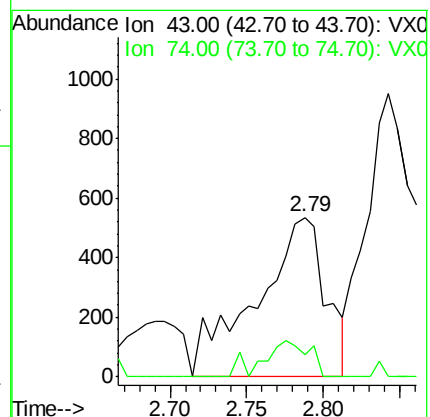
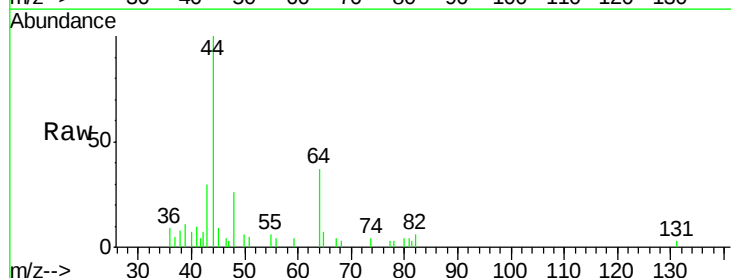
Acq: 16 Jun 2018 10:43

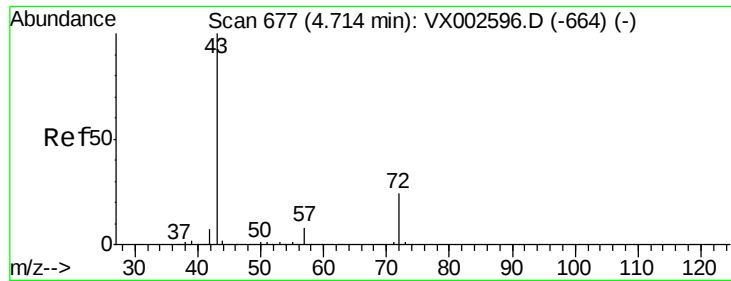
Tgt Ion: 43 Resp: 1688

Ion Ratio Lower Upper

43 100

74 13.2 16.7 25.1#





#25

2-Butanone

Concen: 1.28 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

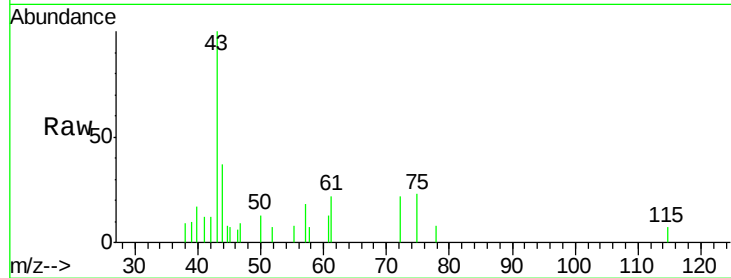
ClientSampled :

Tot Ion: 43 Resp: 2486

Ion Ratio Lower Upper

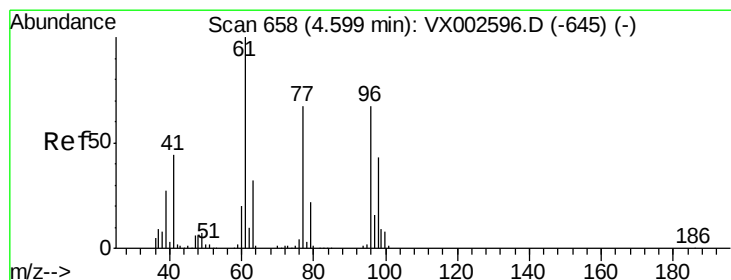
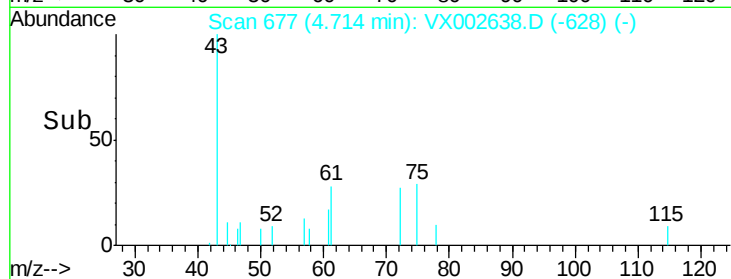
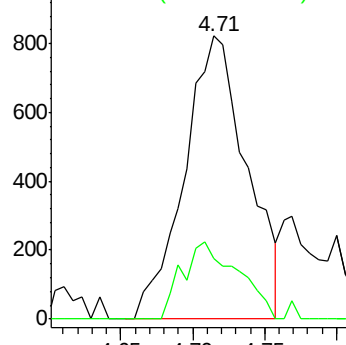
43 100

72 21.5 18.5 27.7



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: 0.71 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

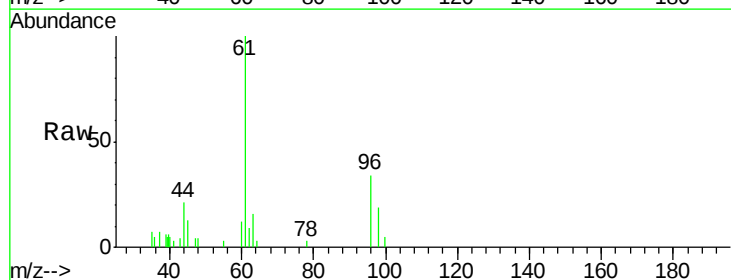
Tgt Ion: 96 Resp: 1916

Ion Ratio Lower Upper

96 100

61 352.5 0.0 330.2#

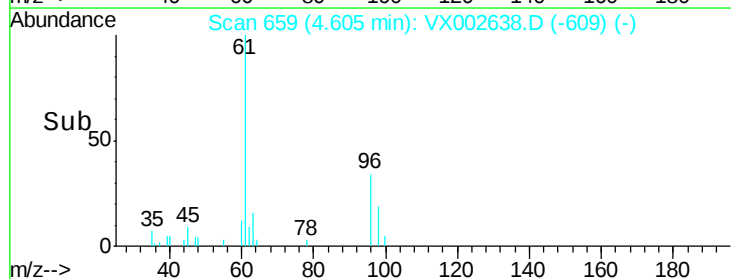
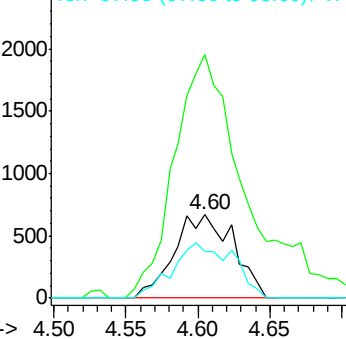
98 67.9 0.0 130.2

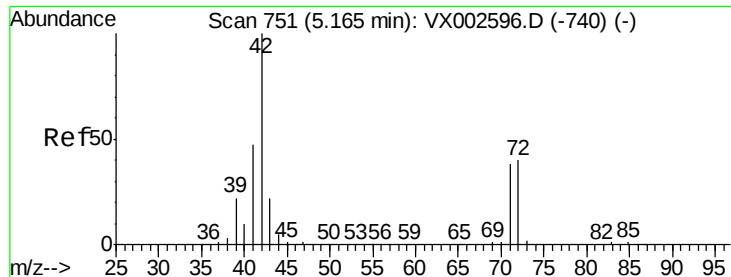


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

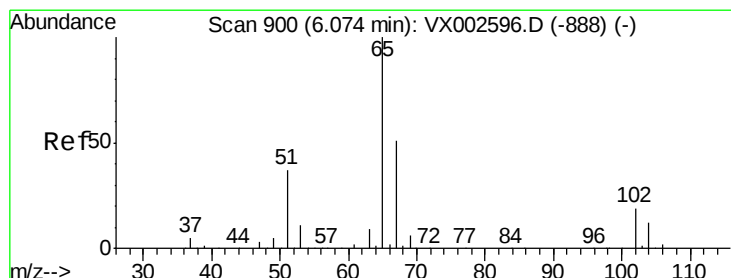
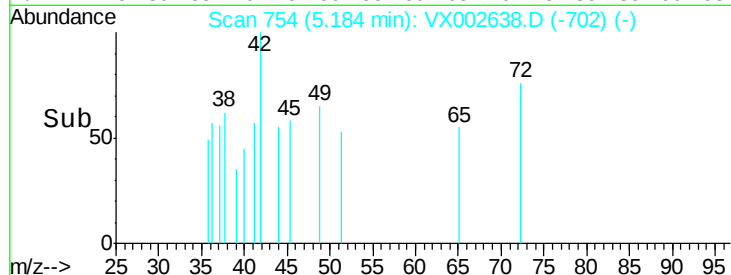
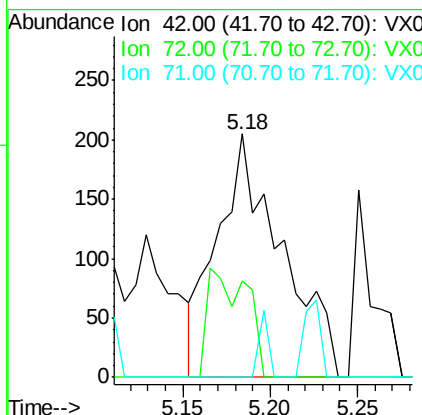
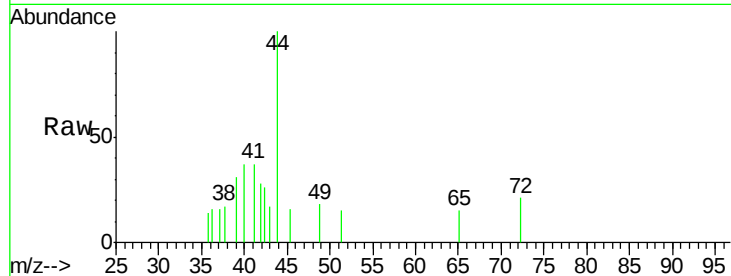




#29  
Tetrahydrofuran  
Concen: 0.41 ug/l  
RT: 5.18 min Scan# 754  
Delta R.T. 0.02 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

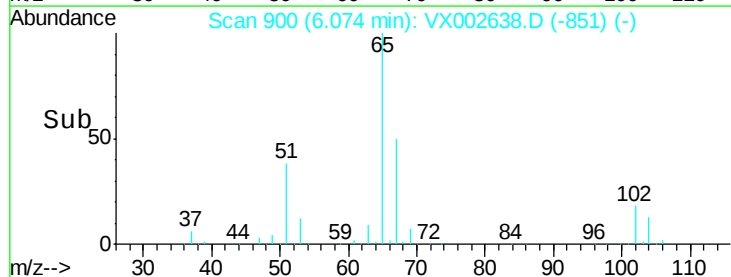
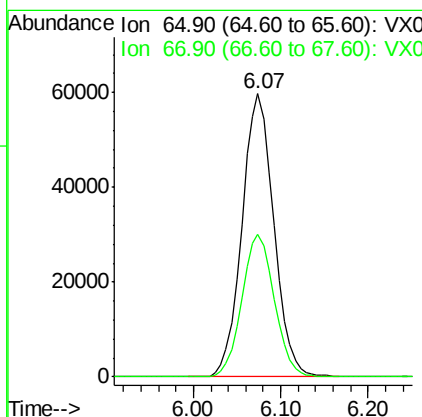
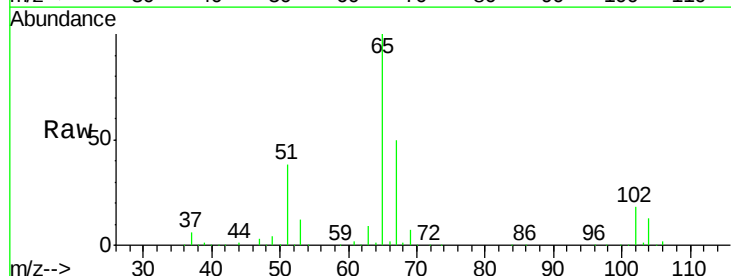
Instrument :  
MSVOA\_X  
ClientSampleId :

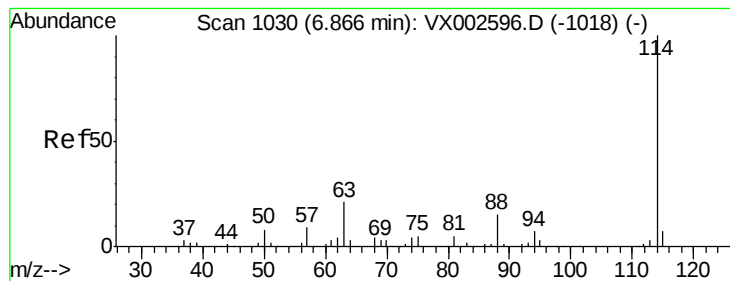
Tot Ion: 42 Resp: 523  
Ion Ratio Lower Upper  
42 100  
72 0.0 32.0 48.0#  
71 4.0 30.1 45.1#



#33  
1,2-Dichloroethane-d4  
Concen: 45.13 ug/l  
RT: 6.07 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Tgt Ion: 65 Resp: 150709  
Ion Ratio Lower Upper  
65 100  
67 51.4 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: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

ClientSampleId :

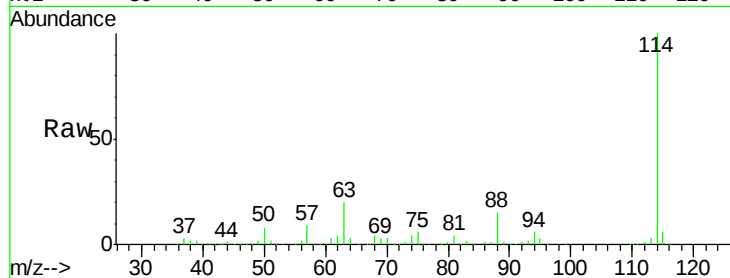
Tot Ion:114 Resp: 313813

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

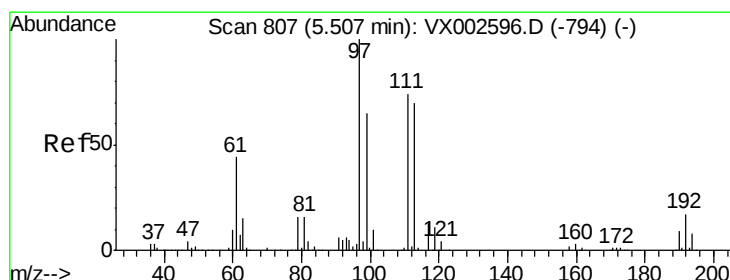
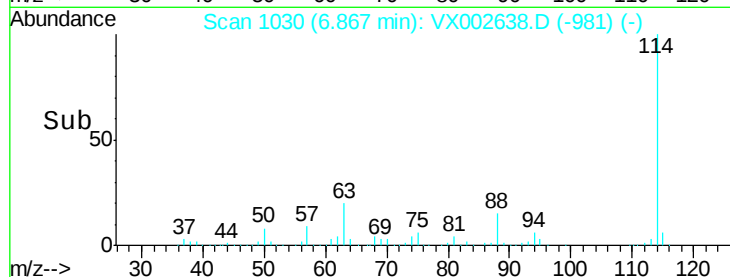
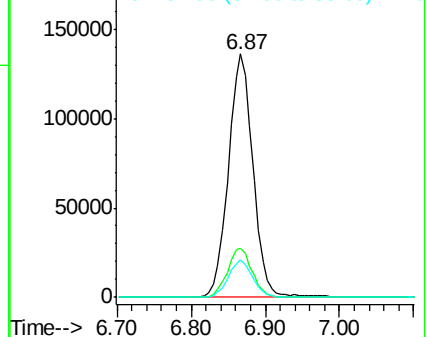
88 15.4 0.0 30.0



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: 46.09 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

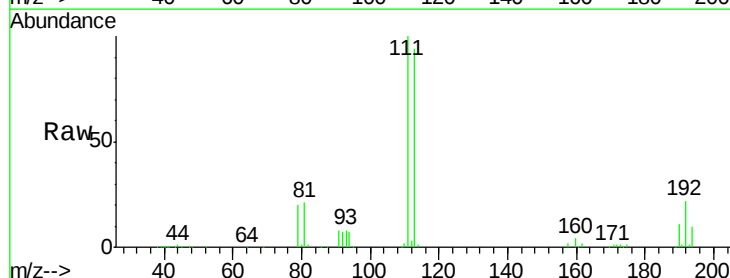
Tgt Ion:113 Resp: 115446

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

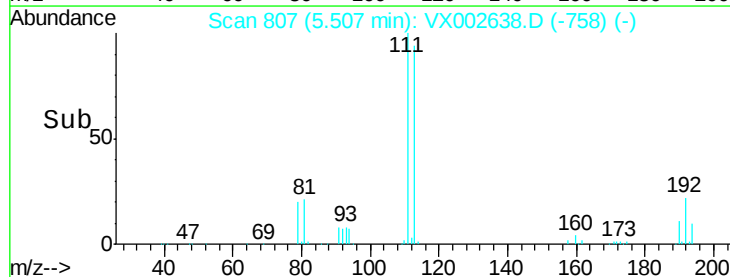
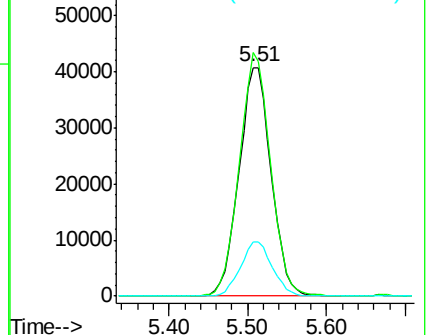
192 23.5 19.1 28.7

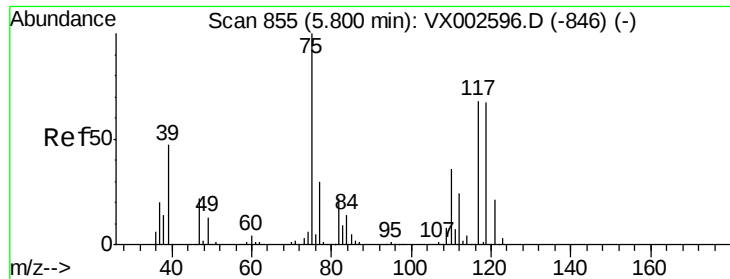


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

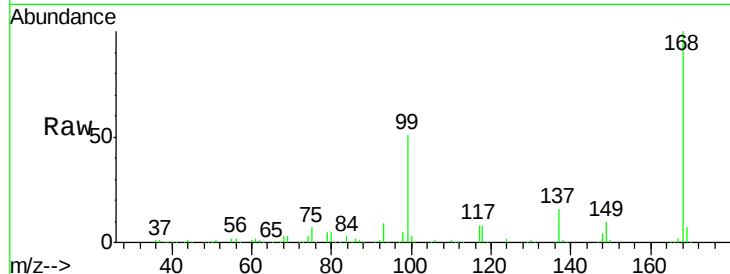




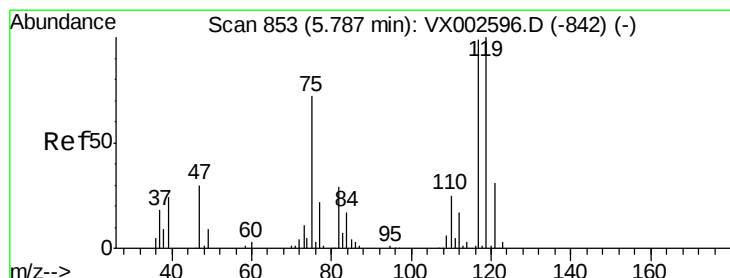
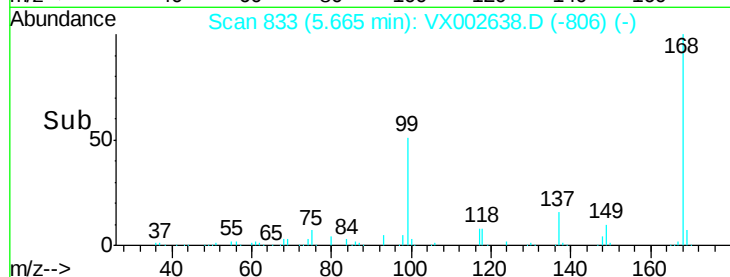
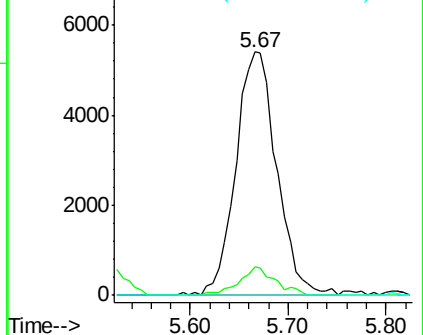
#36  
 1,1-Dichloropropene  
 Concen: 4.69 ug/l  
 RT: 5.67 min Scan# 833  
 Delta R.T. -0.13 min  
 Lab File: VX002638.D  
 Acq: 16 Jun 2018 10:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 10.4  | 18.1  | 54.4# |
| 77      | 0.0   | 24.3  | 36.5# |

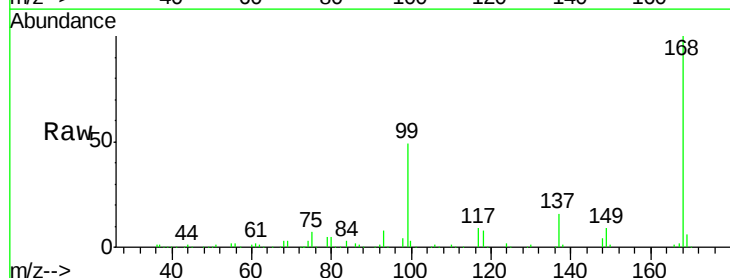


Abundance Ion 74.90 (74.60 to 75.60): VX0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VX0

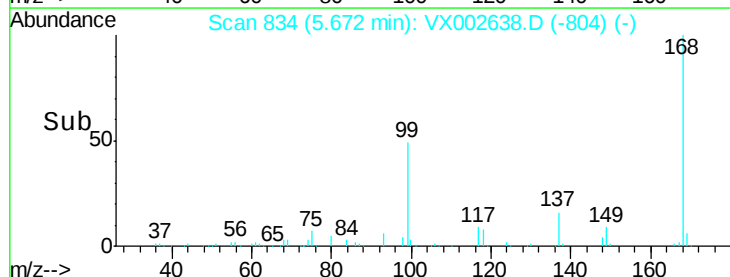
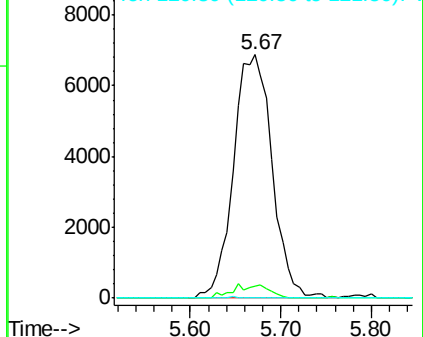


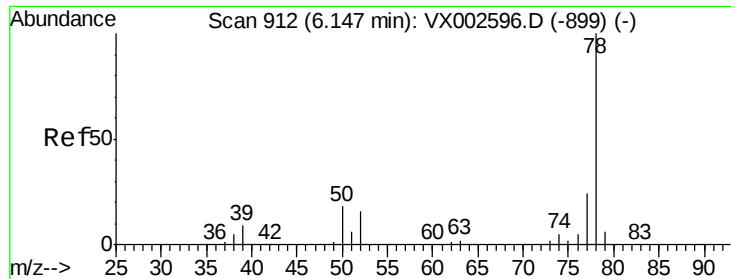
#38  
 Carbon Tetrachloride  
 Concen: 6.10 ug/l  
 RT: 5.67 min Scan# 834  
 Delta R.T. -0.12 min  
 Lab File: VX002638.D  
 Acq: 16 Jun 2018 10:43

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.1   | 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





#40

Benzene

Concen: 3.46 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

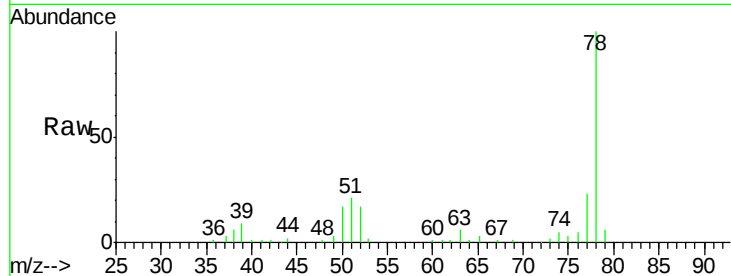
ClientSampled :

Tot Ion: 78 Resp: 34590

Ion Ratio Lower Upper

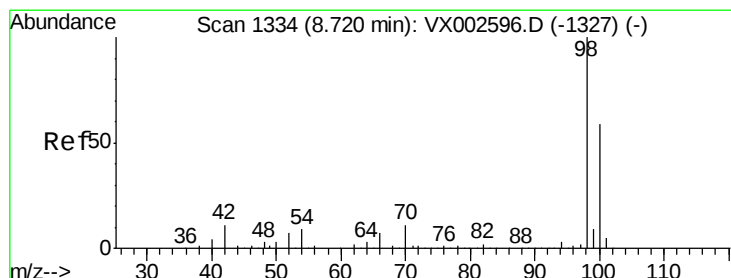
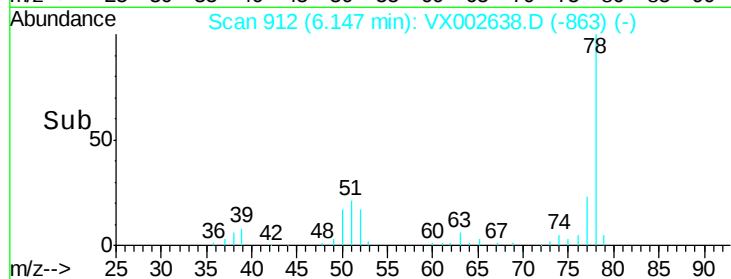
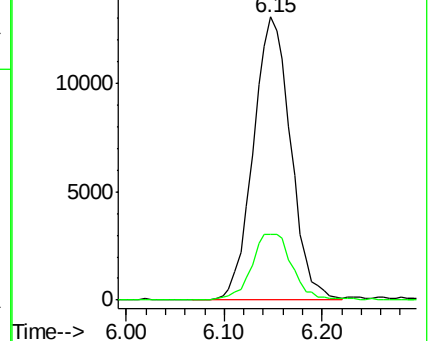
78 100

77 23.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.42 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002638.D

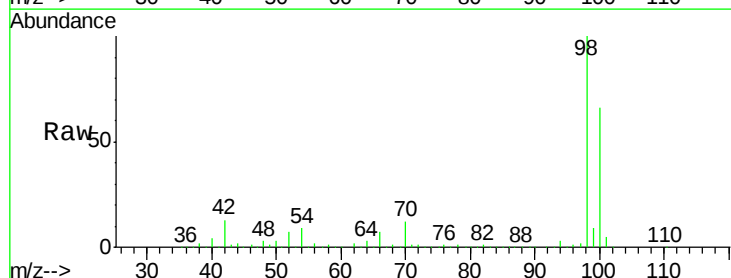
Acq: 16 Jun 2018 10:43

Tgt Ion: 98 Resp: 450917

Ion Ratio Lower Upper

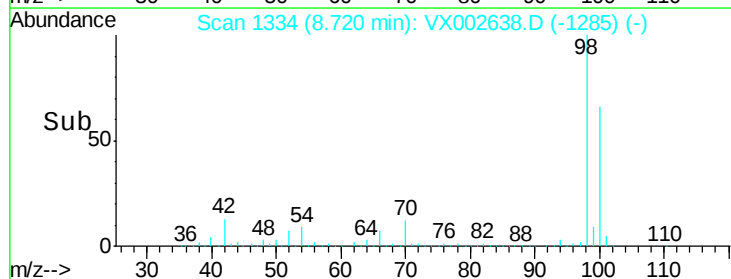
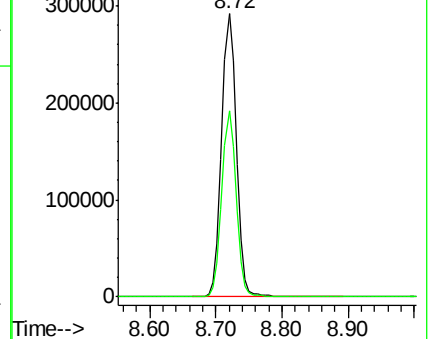
98 100

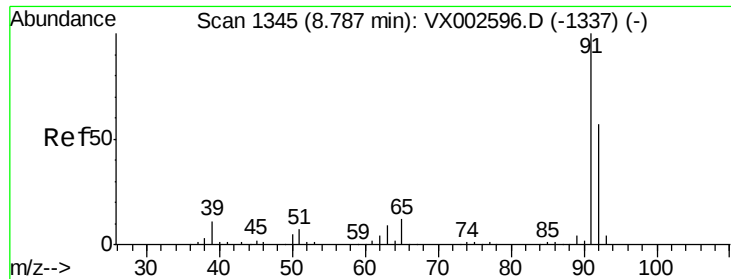
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.23 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

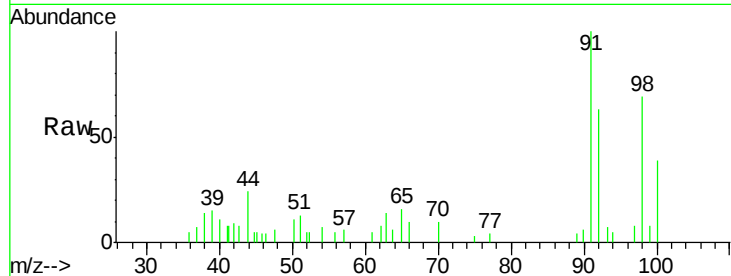
ClientSampled :

Tot Ion: 92 Resp: 1483

Ion Ratio Lower Upper

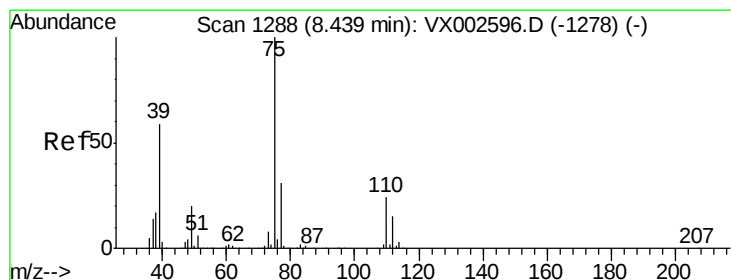
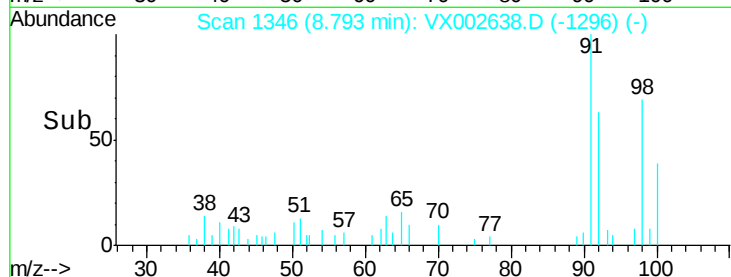
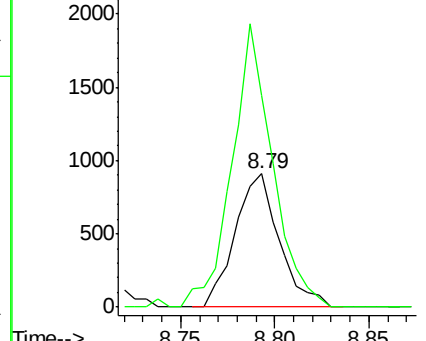
92 100

91 194.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.20 min Scan# 1248

Delta R.T. -0.24 min

Lab File: VX002638.D

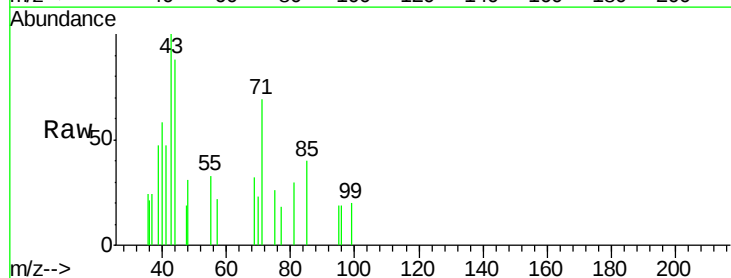
Acq: 16 Jun 2018 10:43

Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

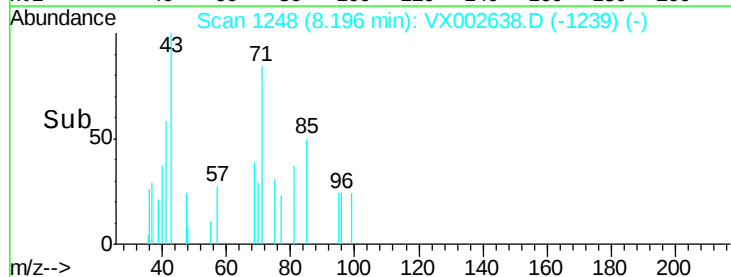
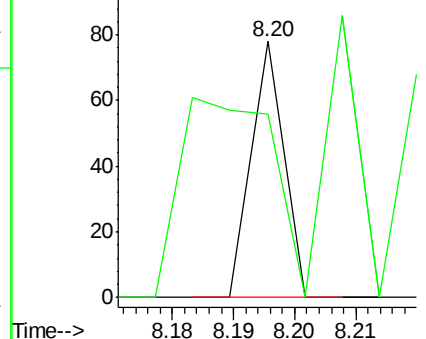
75 100

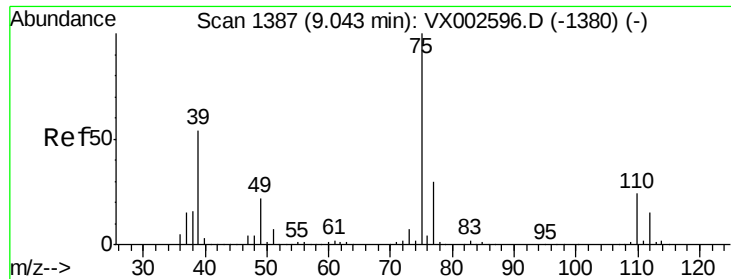
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



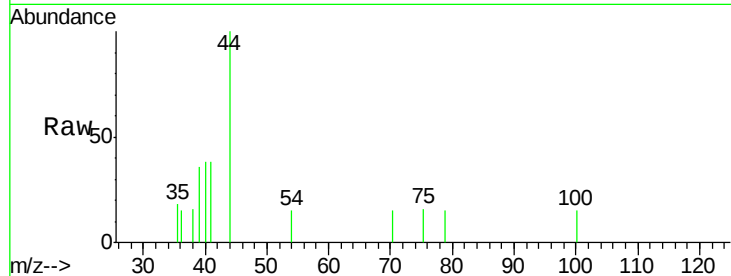


#54

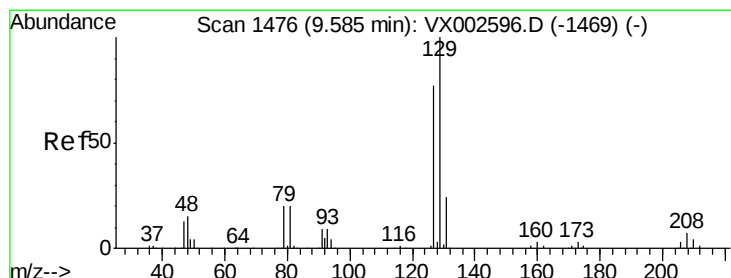
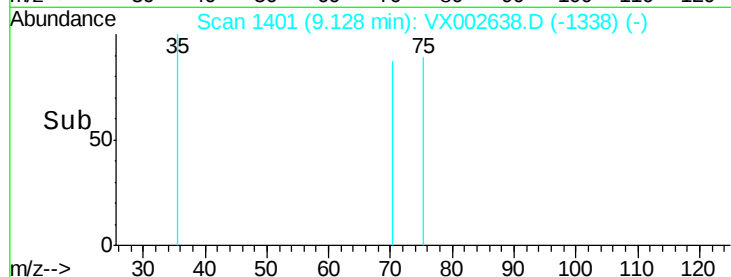
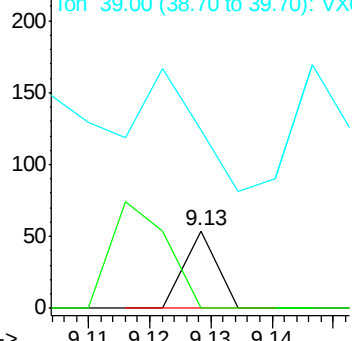
cis-1,3-Dichloropropene  
Concen: 3.22 ug/l  
RT: 9.13 min Scan# 1401  
Delta R.T. 0.09 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 75 Resp: 20  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.8 37.2#  
39 63.0 42.4 63.6



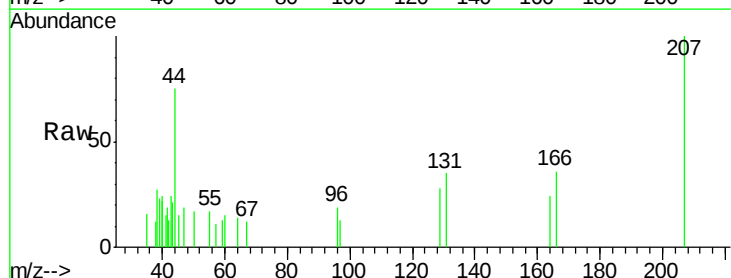
Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 76.90 (76.60 to 77.60): VX0  
Ion 39.00 (38.70 to 39.70): VX0



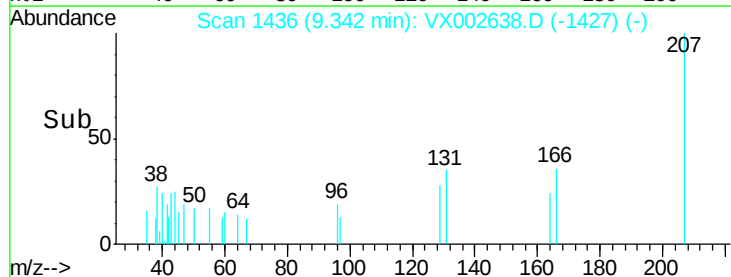
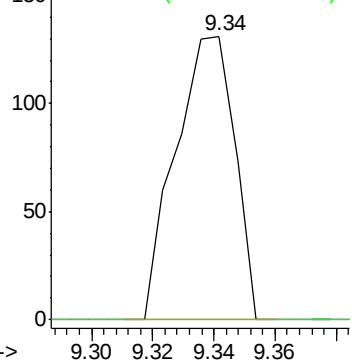
#60

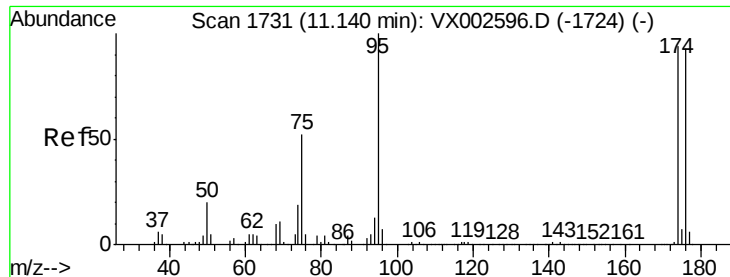
Dibromochloromethane  
Concen: 3.82 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.24 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Tgt Ion:129 Resp: 176  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V  
Ion 126.80 (126.50 to 127.50): V

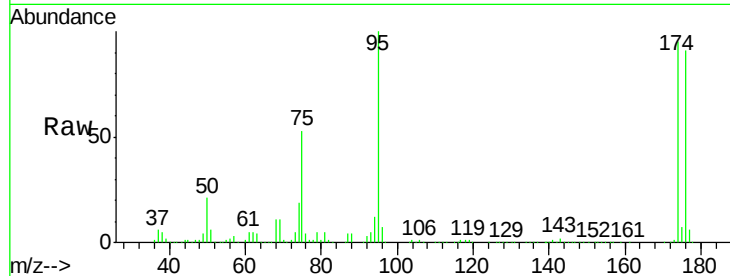




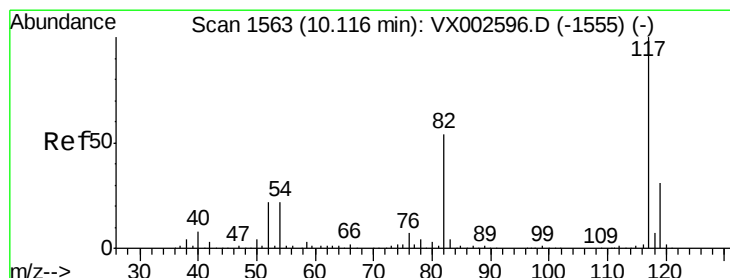
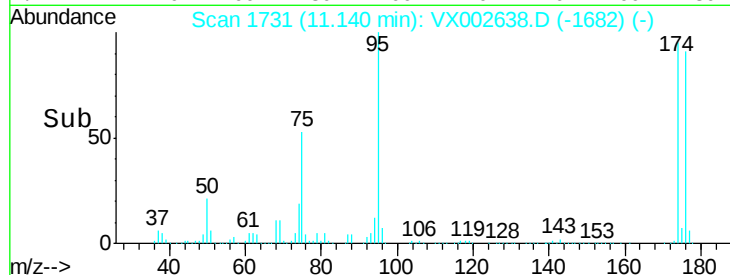
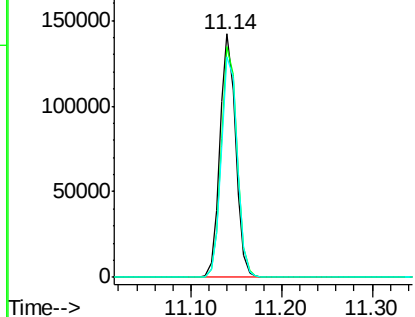
#62  
4-Bromofluorobenzene  
Concen: 47.60 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 95 Resp: 171511  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 187.4  
176 92.8 0.0 181.0

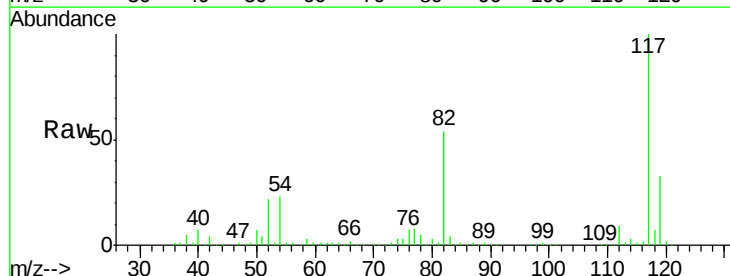


Abundance Ion 94.90 (94.60 to 95.60): VX002638.D (-1682) (-)  
Ion 173.80 (173.50 to 174.50): VX002638.D (-1682) (-)  
Ion 175.80 (175.50 to 176.50): VX002638.D (-1682) (-)

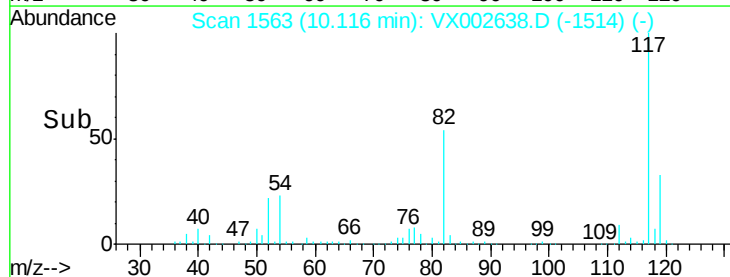
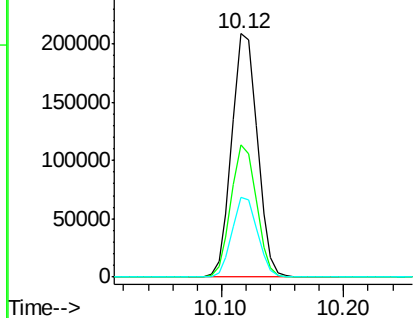


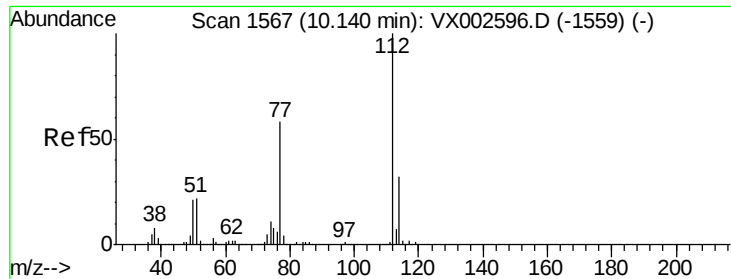
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Tgt Ion: 117 Resp: 302845  
Ion Ratio Lower Upper  
117 100  
82 54.2 45.0 67.4  
119 32.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002638.D (-1514) (-)  
Ion 82.00 (81.70 to 82.70): VX002638.D (-1514) (-)  
Ion 118.90 (118.60 to 119.60): VX002638.D (-1514) (-)

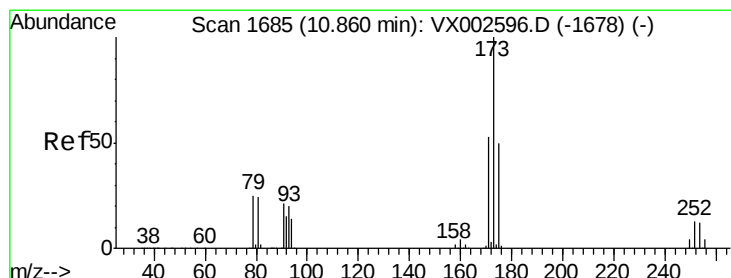
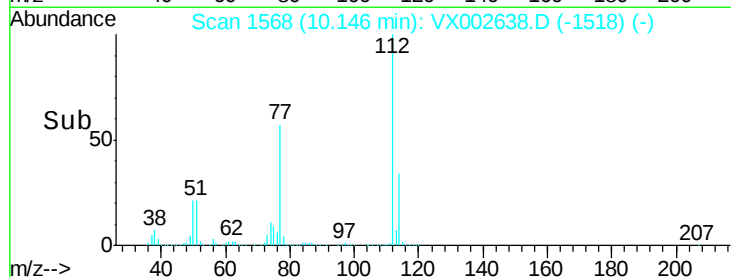
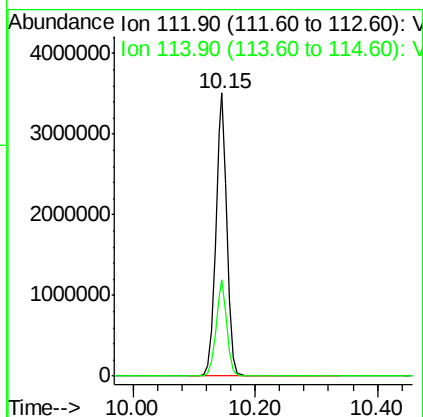
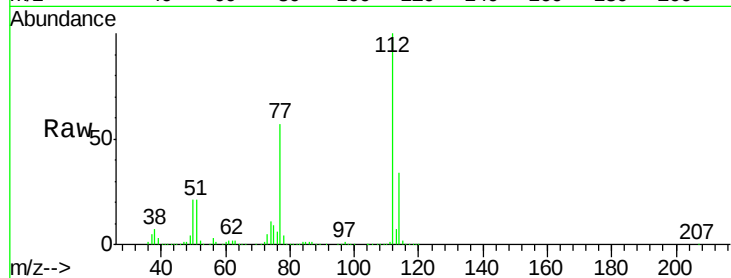




#65  
Chlorobenzene  
Concen: 615.09 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. 0.01 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

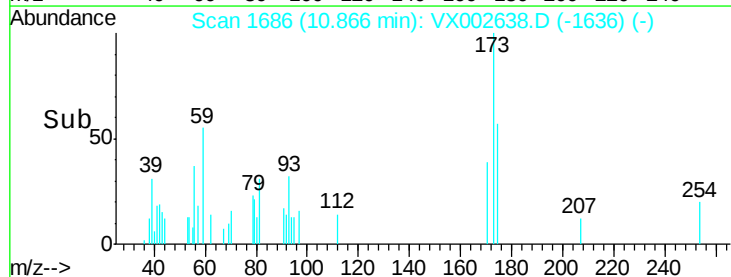
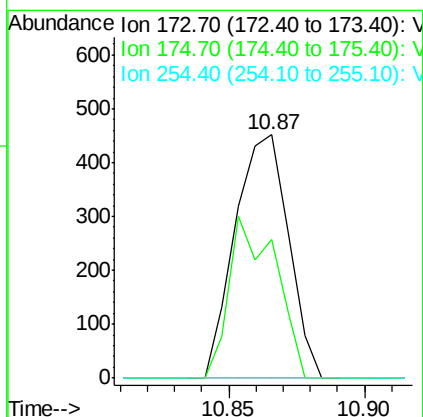
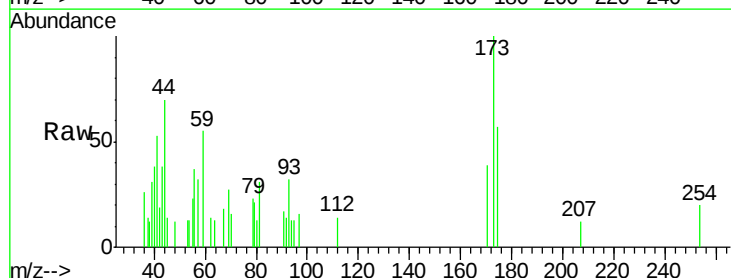
Instrument :  
MSVOA\_X  
ClientSampleId :

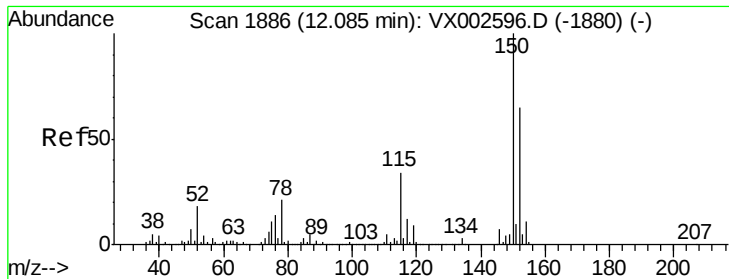
Tot Ion:112 Resp: 4574663  
Ion Ratio Lower Upper  
112 100  
114 33.9 25.3 37.9



#71  
Bromoform  
Concen: 5.08 ug/l  
RT: 10.87 min Scan# 1686  
Delta R.T. 0.01 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Tgt Ion:173 Resp: 615  
Ion Ratio Lower Upper  
173 100  
175 57.9 24.7 74.1  
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

ClientSampleId :

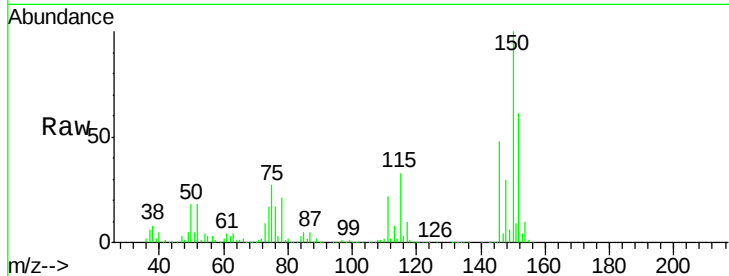
Tot Ion:152 Resp: 190518

Ion Ratio Lower Upper

152 100

115 55.0 40.1 120.2

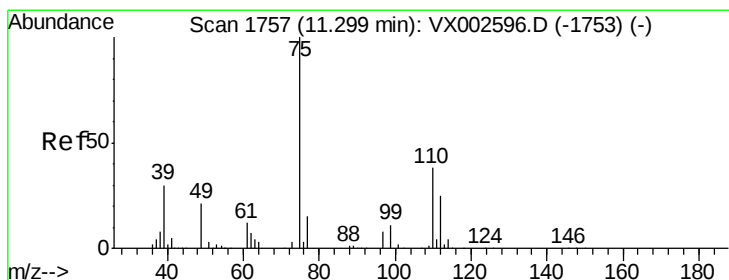
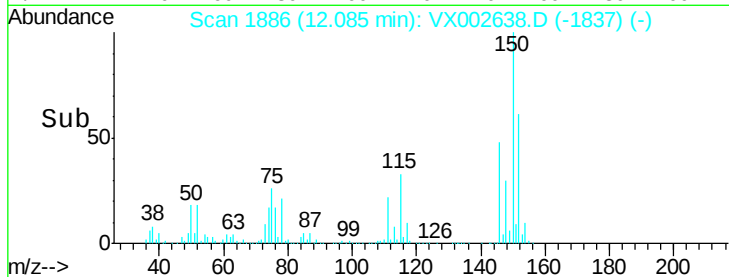
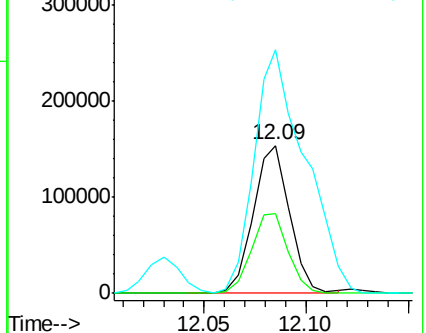
150 231.3 0.0 347.2



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: 25.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002638.D

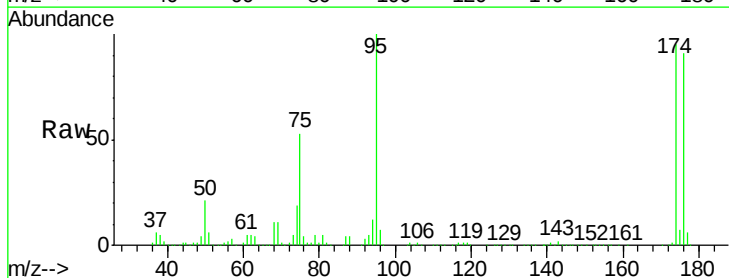
Acq: 16 Jun 2018 10:43

Tgt Ion: 75 Resp: 90970

Ion Ratio Lower Upper

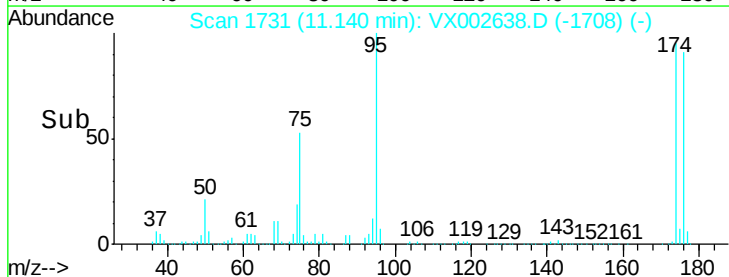
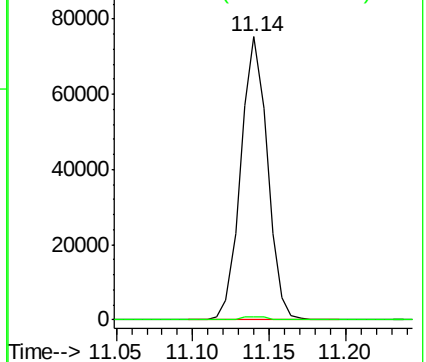
75 100

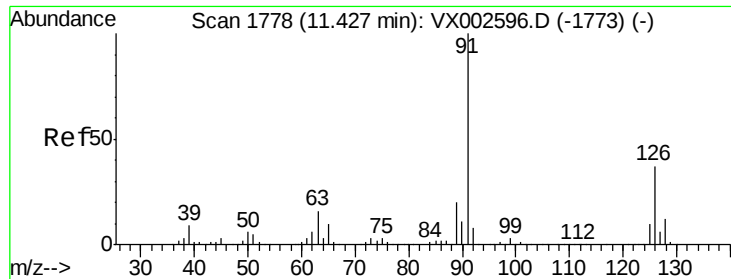
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: 0.29 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

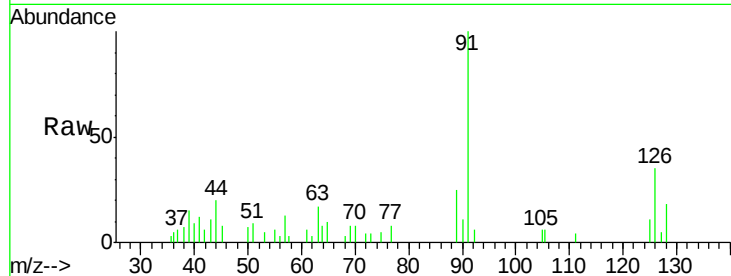
ClientSampleId :

Tot Ion: 91 Resp: 2493

Ion Ratio Lower Upper

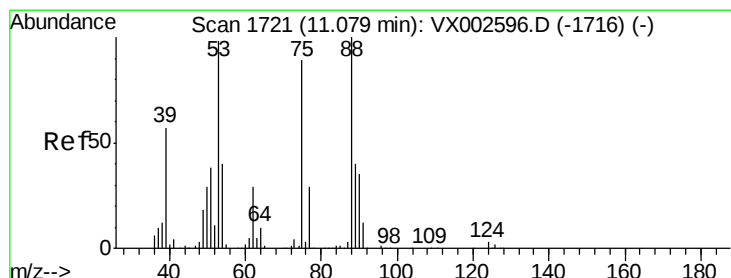
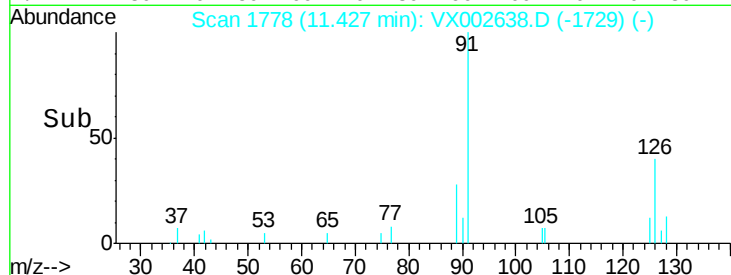
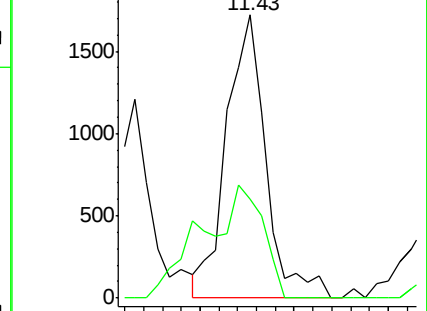
91 100

126 61.2 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 78.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

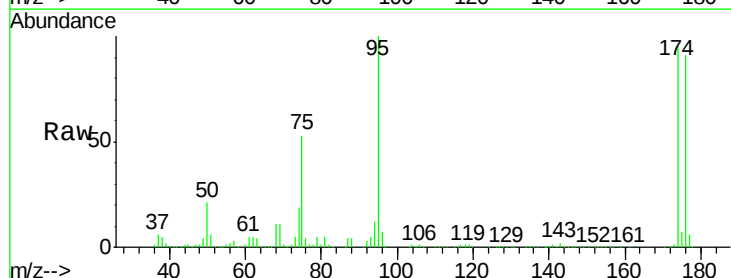
Tgt Ion: 75 Resp: 90970

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

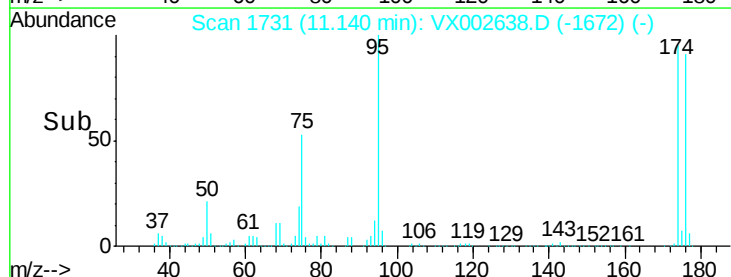
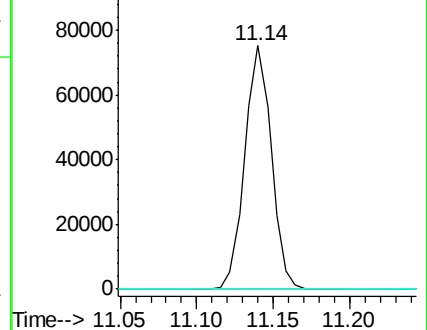
89 0.0 38.2 57.2#

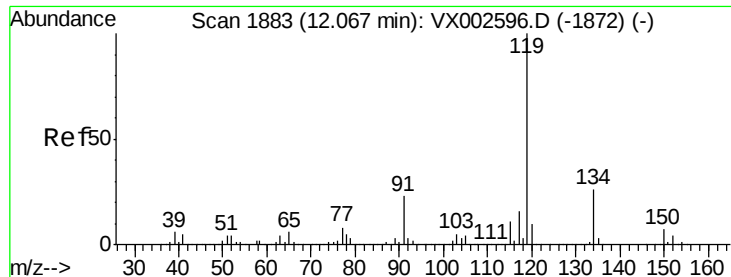


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

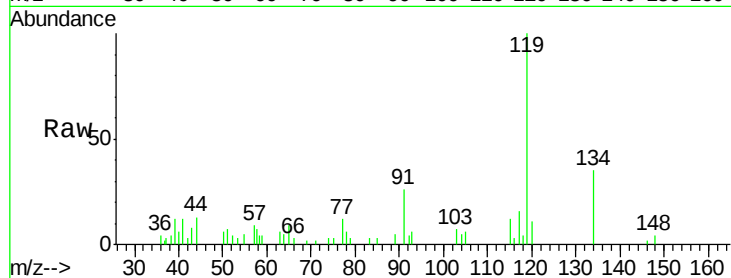




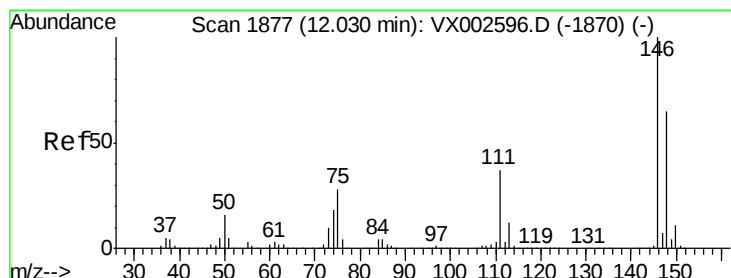
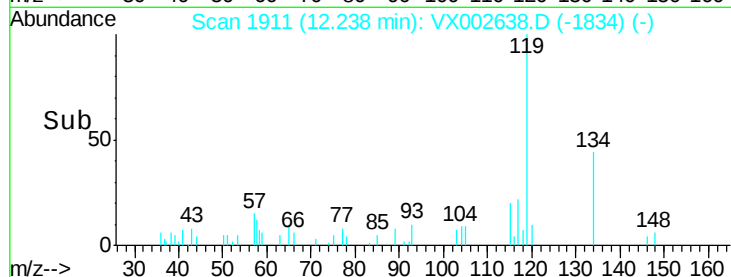
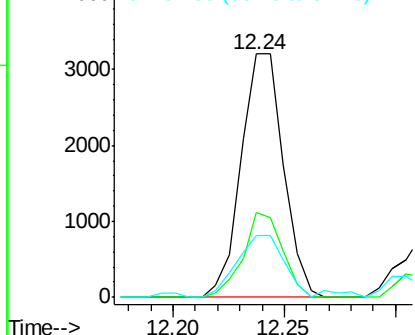
#86  
p-Isopropyltoluene  
Concen: 0.36 ug/l  
RT: 12.24 min Scan# 1911  
Delta R.T. 0.17 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:119 Resp: 4252  
Ion Ratio Lower Upper  
119 100  
134 32.3 13.4 40.1  
91 30.3 11.9 35.7

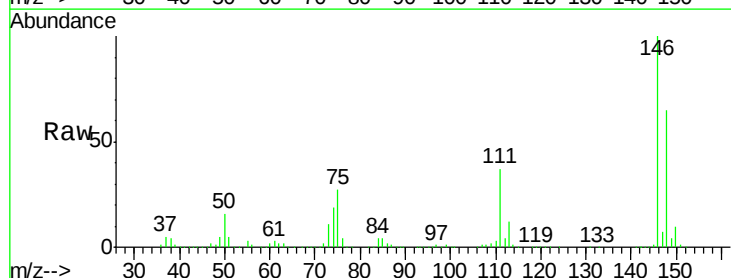


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V

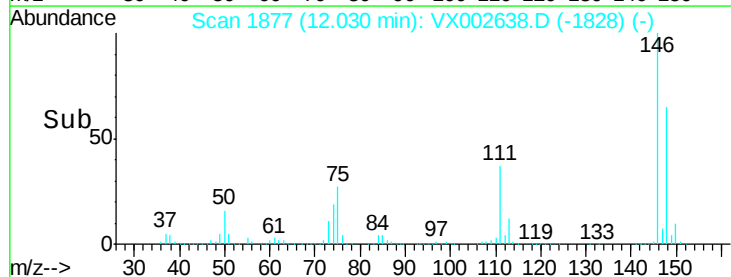
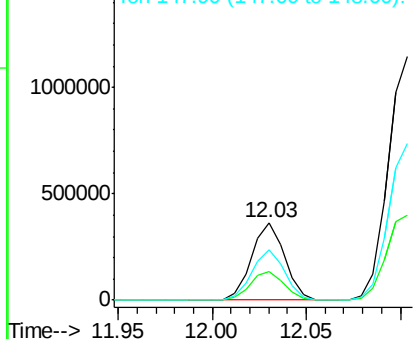


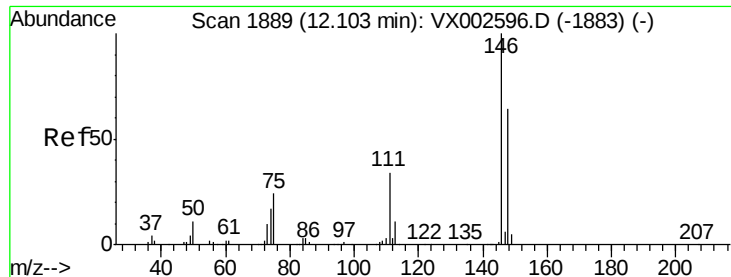
#87  
1,3-Dichlorobenzene  
Concen: 68.11 ug/l  
RT: 12.03 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX002638.D  
Acq: 16 Jun 2018 10:43

Tgt Ion:146 Resp: 443395  
Ion Ratio Lower Upper  
146 100  
111 37.7 18.9 56.7  
148 65.1 32.1 96.3



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: 208.31 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

ClientSampleId :

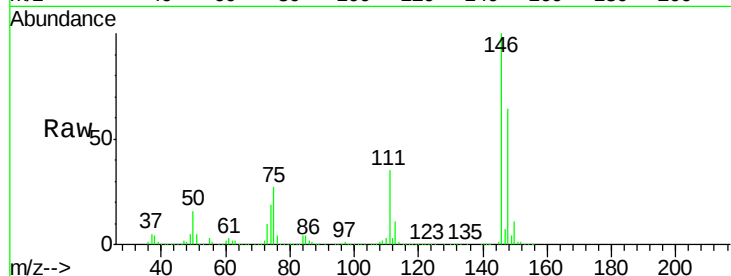
Tot Ion:146 Resp: 1379835

Ion Ratio Lower Upper

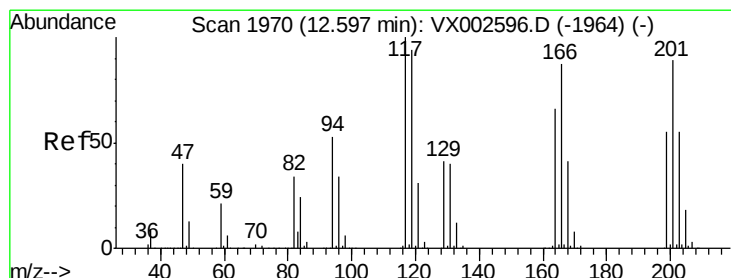
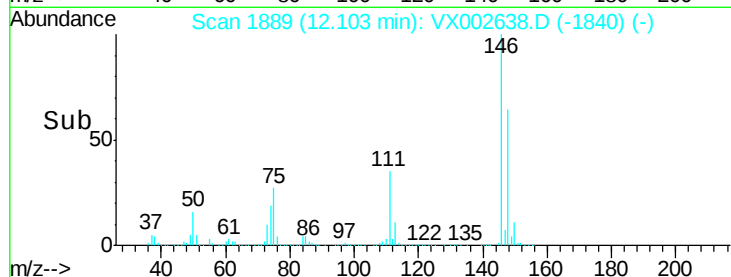
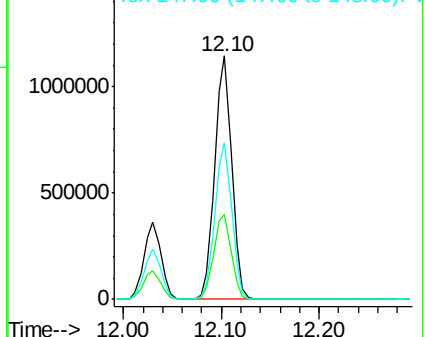
146 100

111 35.8 18.7 56.1

148 64.4 32.4 97.0



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



#90

Hexachloroethane

Concen: 2.95 ug/l

RT: 12.54 min Scan# 1961

Delta R.T. -0.05 min

Lab File: VX002638.D

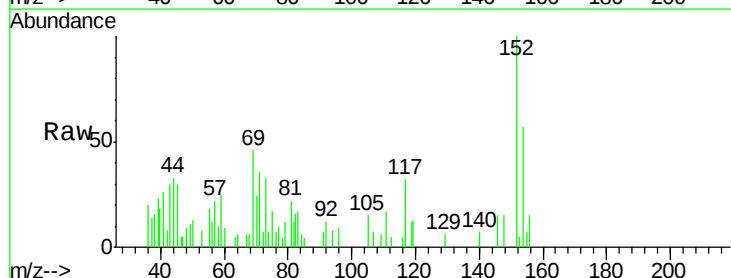
Acq: 16 Jun 2018 10:43

Tgt Ion:117 Resp: 622

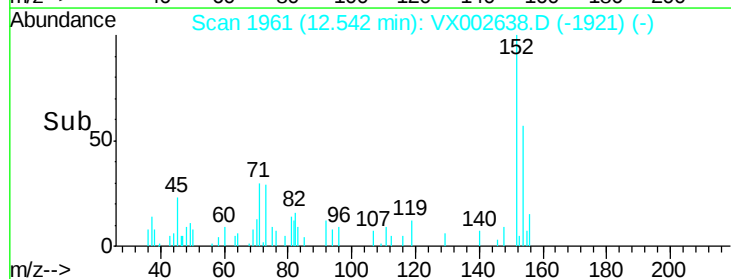
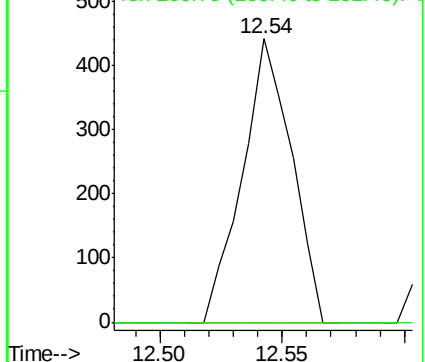
Ion Ratio Lower Upper

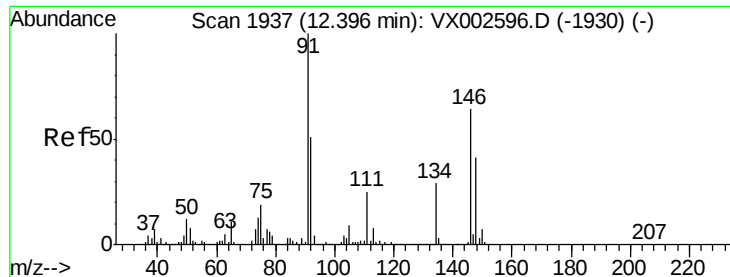
117 100

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





#91

1,2-Dichlorobenzene

Concen: 1667.65 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.01 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA\_X

ClientSampled :

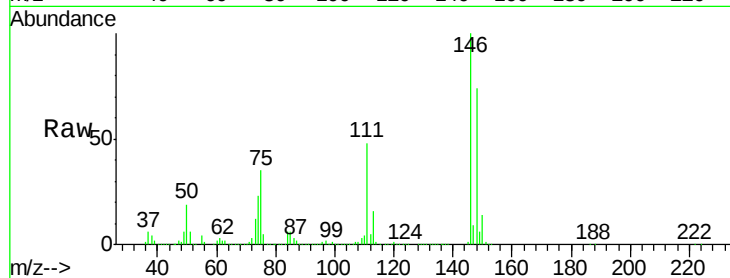
Tot Ion:146 Resp:10926695

Ion Ratio Lower Upper

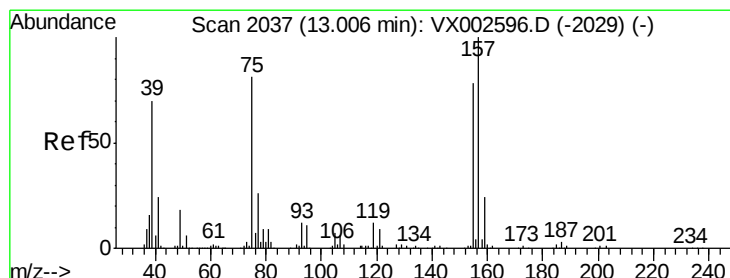
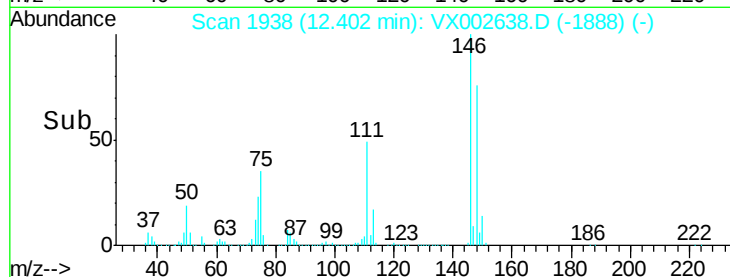
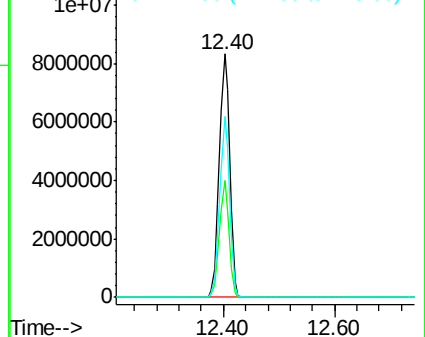
146 100

111 43.7 19.4 58.1

148 70.0 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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.49 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX002638.D

Acq: 16 Jun 2018 10:43

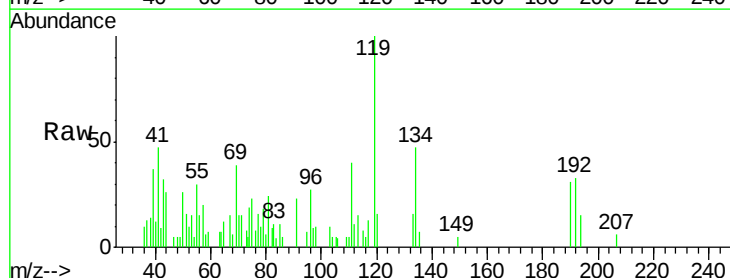
Tgt Ion: 75 Resp: 383

Ion Ratio Lower Upper

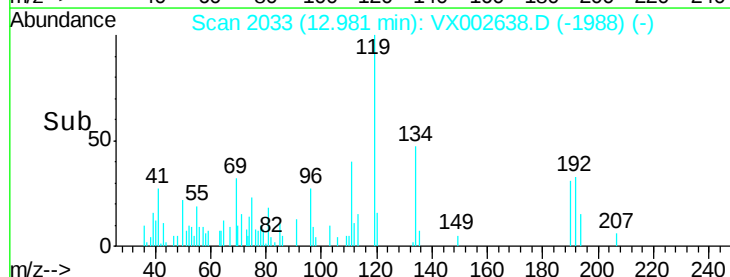
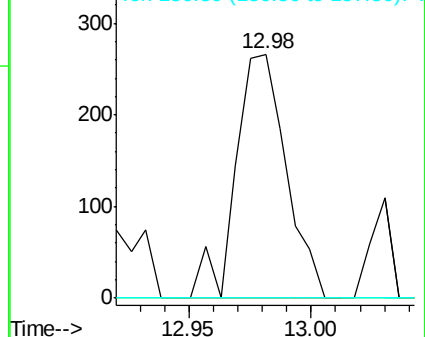
75 100

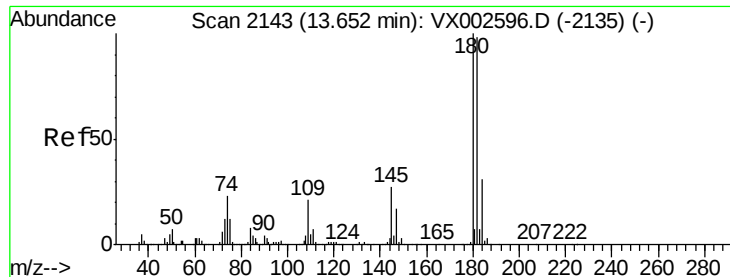
155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V

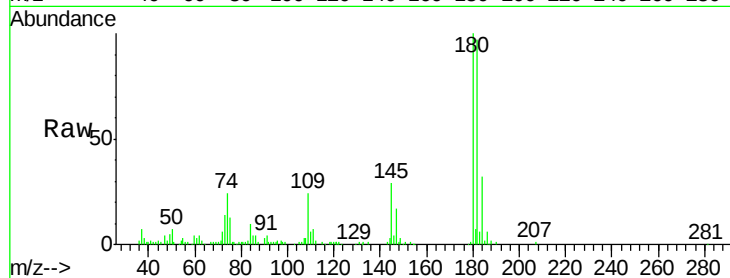




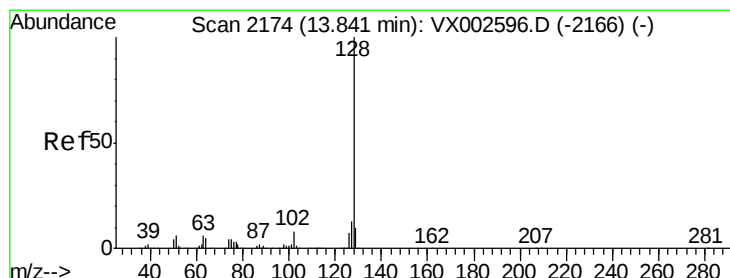
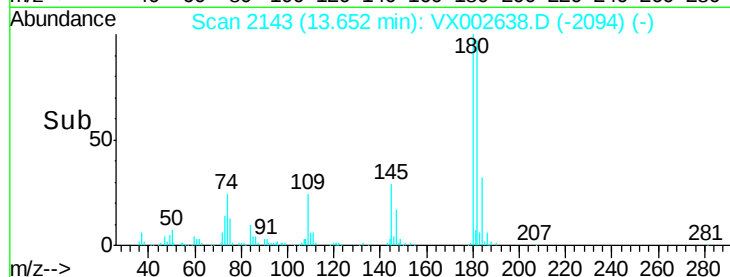
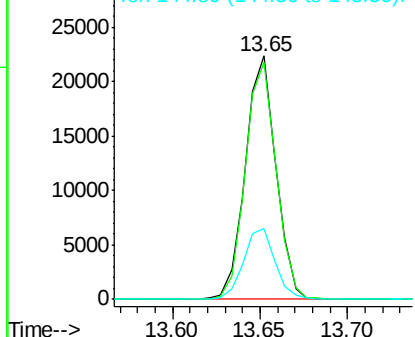
#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.71 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX002638.D  
 Acq: 16 Jun 2018 10:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:180 Resp: 27169  
 Ion Ratio Lower Upper  
 180 100  
 182 97.9 47.7 143.1  
 145 30.1 14.1 42.4

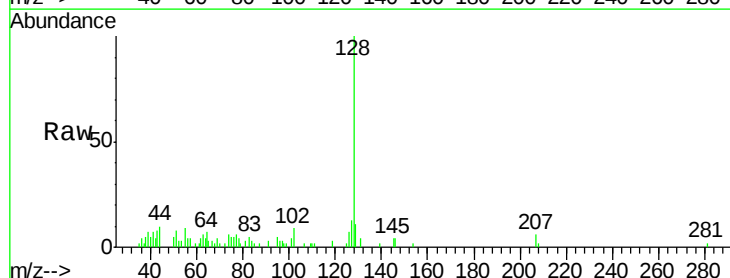


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

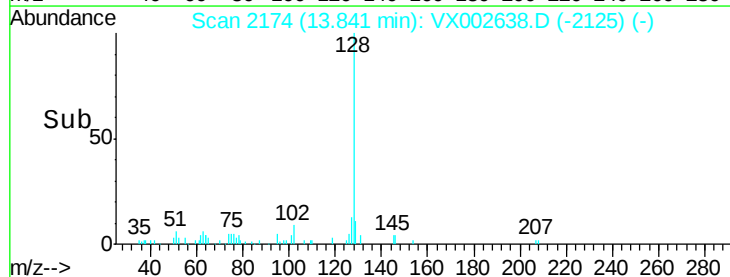
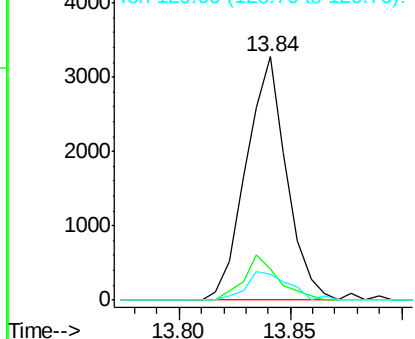


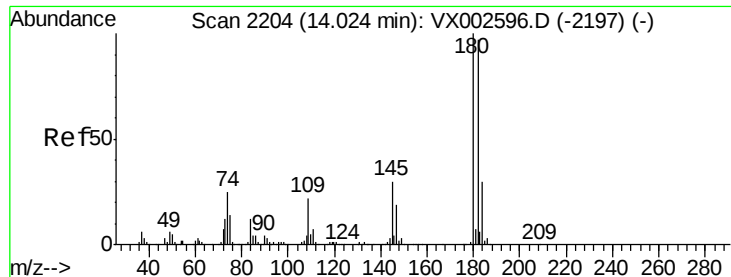
#95  
 Naphthalene  
 Concen: 0.32 ug/l  
 RT: 13.84 min Scan# 2174  
 Delta R.T. 0.00 min  
 Lab File: VX002638.D  
 Acq: 16 Jun 2018 10:43

Tgt Ion:128 Resp: 4144  
 Ion Ratio Lower Upper  
 128 100  
 127 15.8 10.4 15.6#  
 129 12.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 127.00 (126.70 to 127.70): V  
 Ion 129.00 (128.70 to 129.70): V

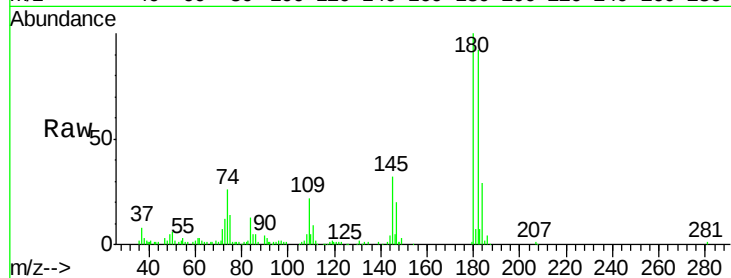




#96  
 1,2,3-Trichlorobenzene  
 Concen: 4.30 ug/l  
 RT: 14.02 min Scan# 2204  
 Delta R.T. 0.00 min  
 Lab File: VX002638.D  
 Acq: 16 Jun 2018 10:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:180 Resp: 20547  
 Ion Ratio Lower Upper  
 180 100  
 182 97.1 48.0 144.0  
 145 31.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

