

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022719\  
 Data File : VX007741.D  
 Acq On : 27 Feb 2019 18:31  
 Operator : JC/SP  
 Sample : VX0227WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 28 04:00:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 294923   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 436629   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 388429   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 197357   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 174053   | 47.64 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.28% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 139253   | 47.71 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.42% |      |
| 50) Toluene-d8              | 8.71   | 98  | 530625   | 47.49 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.98% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 186093   | 45.37 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.74% |      |

| Target Compounds              |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 48841  | 17.977  | ug/l | 98     |
| 3) Chloromethane              | 1.33 | 50  | 54505  | 18.104  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 57323  | 18.559  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 33760  | 16.304  | ug/l | 97     |
| 6) Chloroethane               | 1.72 | 64  | 37097  | 18.799  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 81104  | 17.128  | ug/l | 100    |
| 8) Diethyl Ether              | 2.19 | 74  | 34996  | 18.009  | ug/l | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 48364  | 16.899  | ug/l | 97     |
| 10) Methyl Iodide             | 2.51 | 142 | 64750  | 18.170  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.07 | 59  | 66488  | 95.924  | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 2.38 | 96  | 45431  | 17.611  | ug/l | 92     |
| 13) Acrolein                  | 2.30 | 56  | 52725  | 85.603  | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 94021  | 19.711  | ug/l | 94     |
| 15) Acrylonitrile             | 3.15 | 53  | 164928 | 101.111 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 153583 | 94.538  | ug/l | 97     |
| 17) Carbon Disulfide          | 2.57 | 76  | 114277 | 15.922  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 76806  | 21.666  | ug/l | 94     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 168253 | 18.729  | ug/l | 98     |
| 20) Methylene Chloride        | 2.86 | 84  | 52642  | 17.549  | ug/l | 92     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 48913  | 17.441  | ug/l | 91     |
| 22) Diisopropyl ether         | 3.87 | 45  | 195899 | 19.728  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.82 | 43  | 842943 | 96.757  | ug/l | 96     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 101991 | 18.899  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 252215 | 101.920 | ug/l | 94     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 69179  | 16.059  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 61601  | 17.262  | ug/l | 91     |
| 28) Bromochloromethane        | 5.02 | 49  | 57306  | 21.812  | ug/l | 84     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 165765 | 101.621 | ug/l | 92     |
| 30) Chloroform                | 5.21 | 83  | 103454 | 17.896  | ug/l | 96     |
| 31) Cyclohexane               | 5.57 | 56  | 91194  | 17.965  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 84087  | 17.589  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 74806  | 19.057  | ug/l | 97     |
| 37) Ethyl Acetate             | 4.85 | 43  | 93066  | 21.343  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 71172  | 18.049  | ug/l | 99     |

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 Sample : VX0227WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 28 04:00:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 88014    | 17.740  | ug/l   | 93       |
| 40) Benzene                    | 6.14  | 78   | 234448   | 19.348  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 52444    | 22.523  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 84922    | 20.851  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 140520   | 20.938  | ug/l   | 97       |
| 44) Trichloroethene            | 7.21  | 130  | 63124    | 18.937  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 62551    | 19.927  | ug/l   | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 39266    | 17.931  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 69611    | 18.343  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 75654    | 21.506  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 29774    | 391.868 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 475366   | 105.819 | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 143906   | 18.833  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 74678    | 17.744  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 84997    | 18.456  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 60716    | 19.055  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 89111    | 19.666  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 100045   | 19.614  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 260640   | 104.306 | ug/l   | 97       |
| 59) 2-Hexanone                 | 9.49  | 43   | 362560   | 102.800 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.58  | 129  | 55933    | 18.243  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 62747    | 18.966  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 65052    | 20.630  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.13 | 112  | 158689   | 18.889  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 56026    | 19.119  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 264300   | 18.992  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 202762   | 37.451  | ug/l   | 95       |
| 69) o-Xylene                   | 10.69 | 106  | 98409    | 18.897  | ug/l   | 95       |
| 70) Styrene                    | 10.71 | 104  | 162651   | 19.002  | ug/l   | 98       |
| 71) Bromoform                  | 10.85 | 173  | 41131    | 18.717  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 263473   | 18.679  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 119718   | 19.545  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 88925    | 18.228  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 99650    | 23.688  | ug/l   | 80       |
| 77) Bromobenzene               | 11.26 | 156  | 70936    | 20.050  | ug/l   | 93       |
| 78) n-propylbenzene            | 11.36 | 91   | 293326   | 18.403  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 178308   | 18.579  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 219486   | 18.917  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 22756    | 16.633  | ug/l   | 89       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 203186   | 18.098  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 210474   | 18.894  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 224563   | 18.922  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 257439   | 18.442  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 229395   | 18.764  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 122810   | 18.714  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 124552   | 18.532  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 190125   | 17.438  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 34296    | 16.650  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 125277   | 19.079  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 18293    | 17.209  | ug/l   | 93       |

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Operator : JC/SP  
Sample : VX0227WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 13 Sample Multiplier: 1

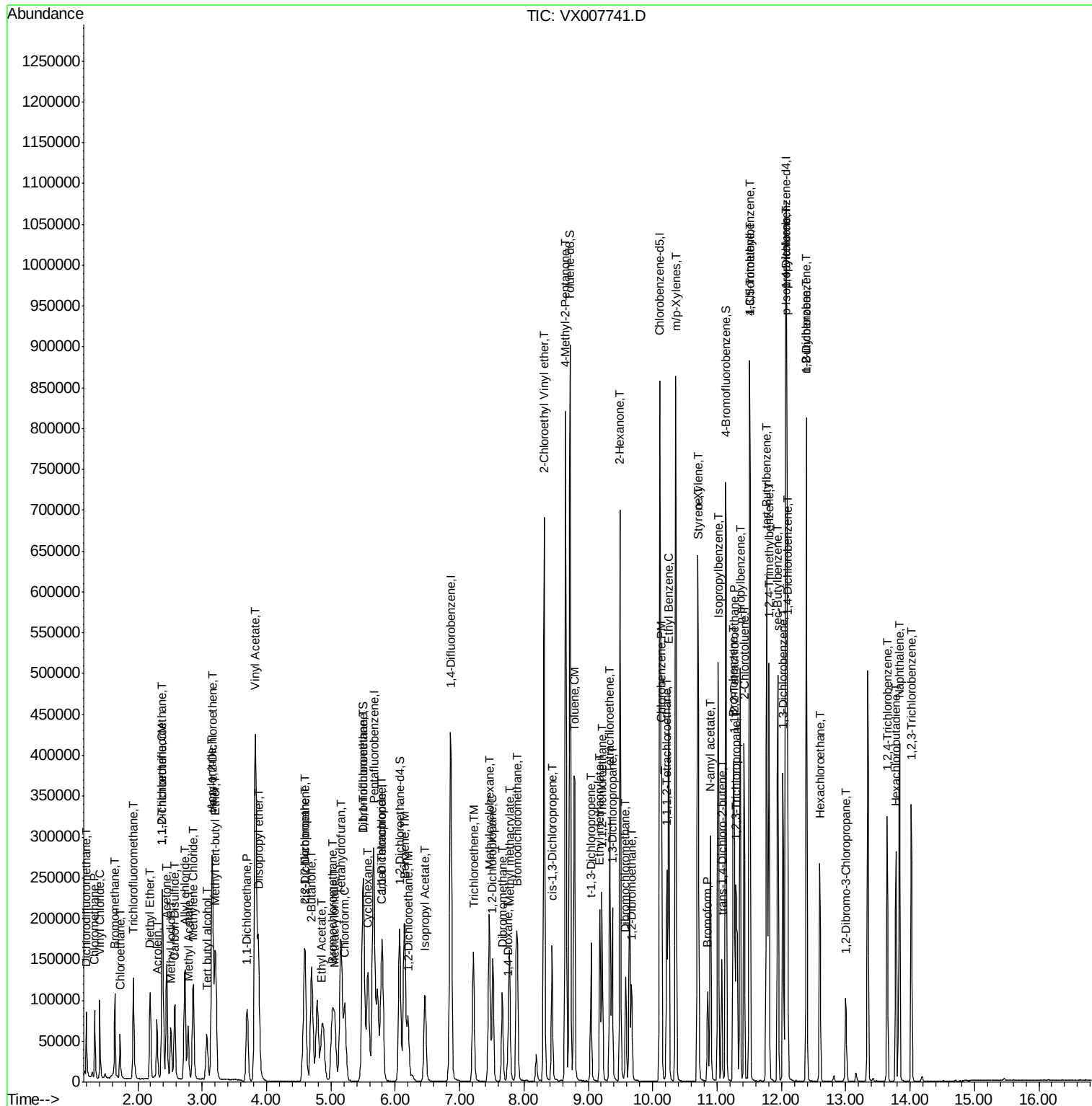
Instrument :  
MSVOA\_X  
ClientSampleId :

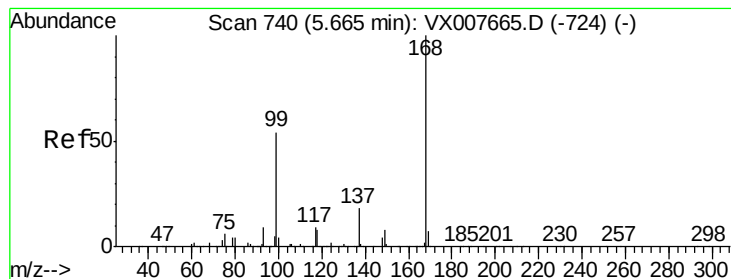
Quant Time: Feb 28 04:00:06 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 26 01:53:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 82353    | 20.547 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 46102    | 25.143 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 252480   | 19.443 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 85010    | 21.123 | ug/l  | 99       |

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 26 01:53:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

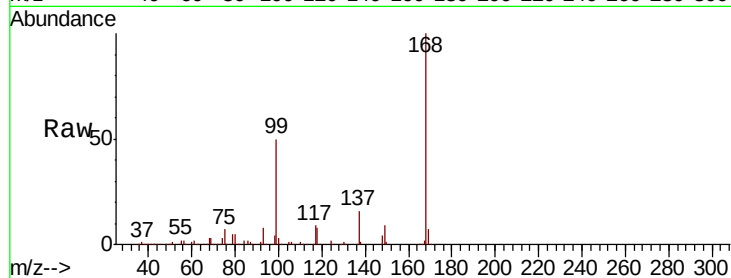
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:168 Resp: 294923

Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

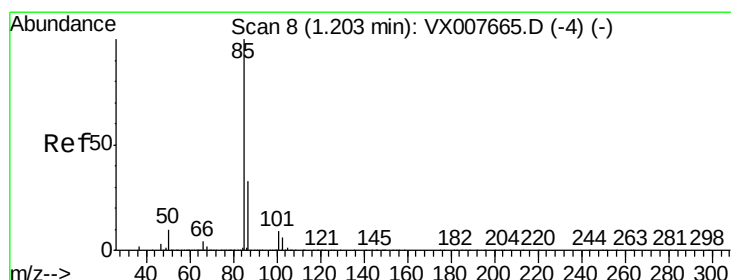
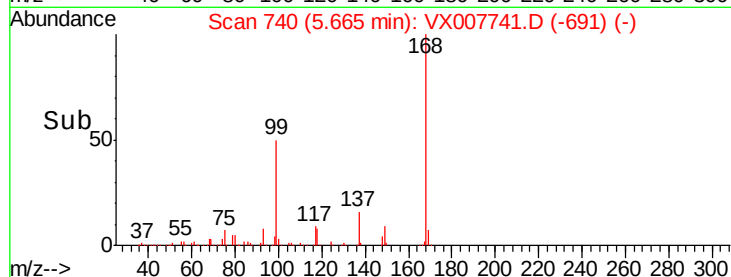
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.977 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007741.D

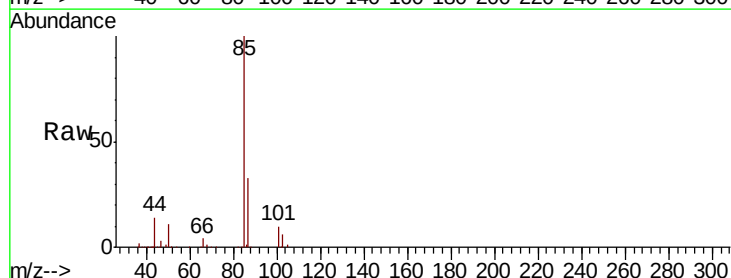
Acq: 27 Feb 2019 18:31

Tgt Ion: 85 Resp: 48841

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

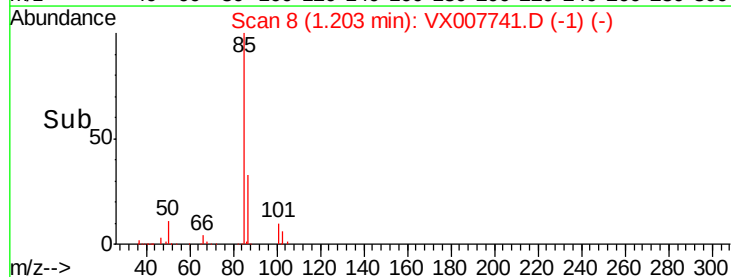
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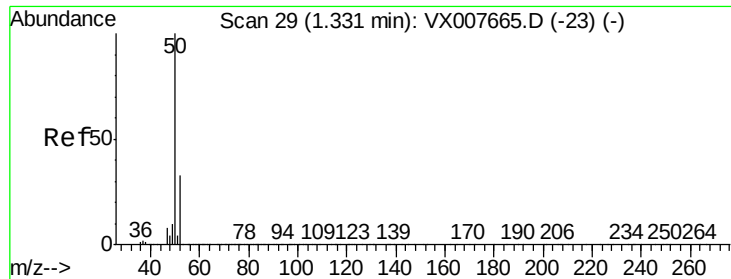
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10000

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Time-->





#3

Chloromethane

Concen: 18.104 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

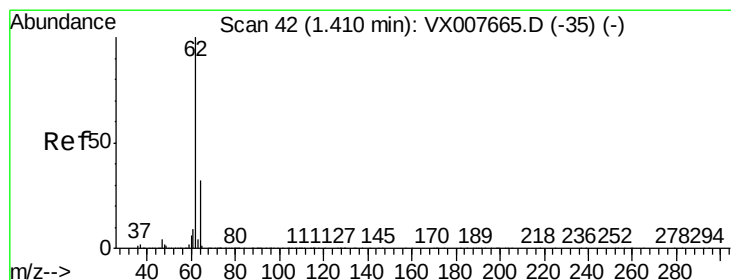
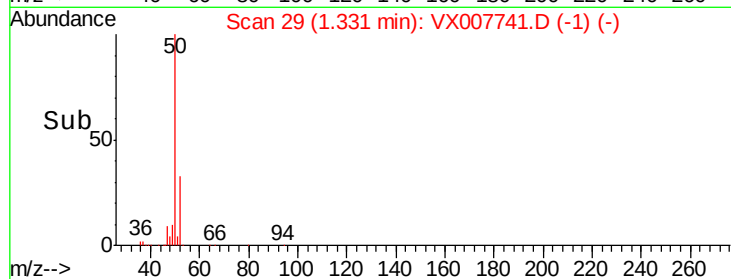
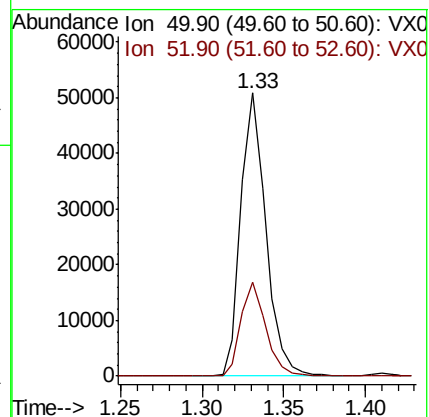
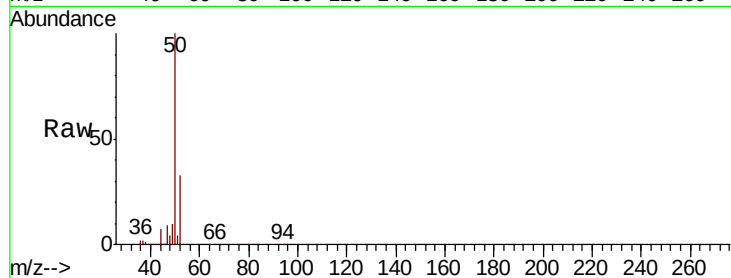
ClientSampled :

Tot Ion: 50 Resp: 54505

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 18.559 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007741.D

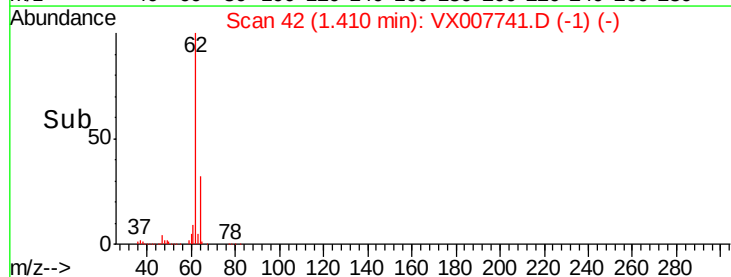
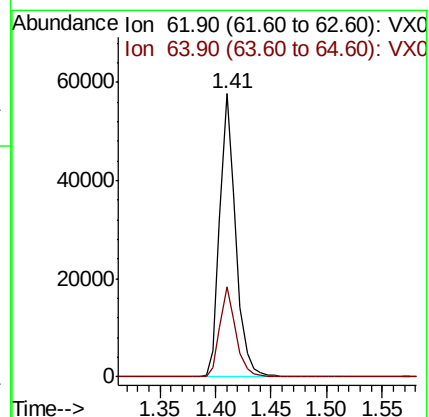
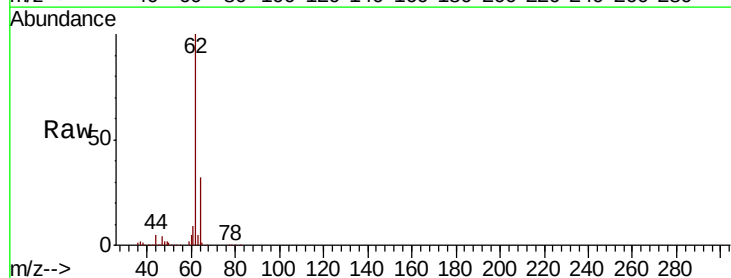
Acq: 27 Feb 2019 18:31

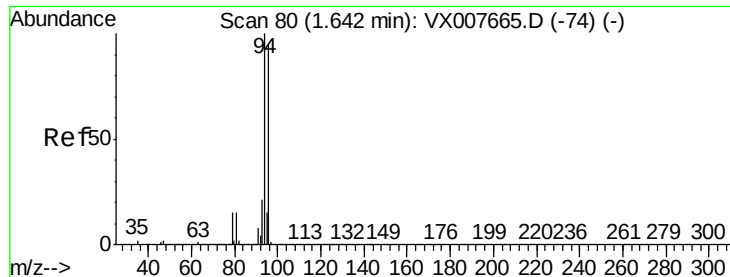
Tgt Ion: 62 Resp: 57323

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 16.304 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

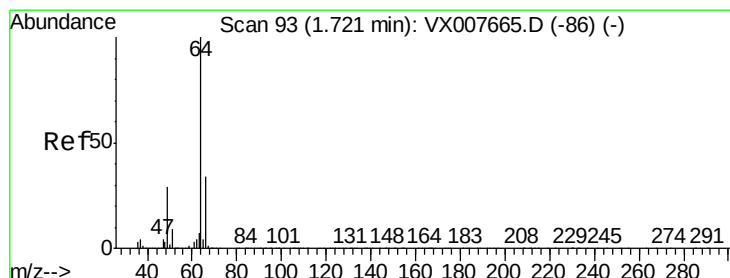
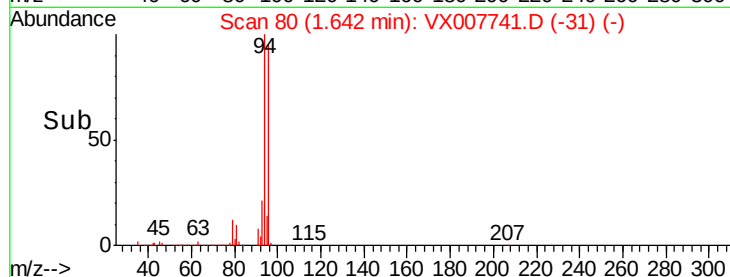
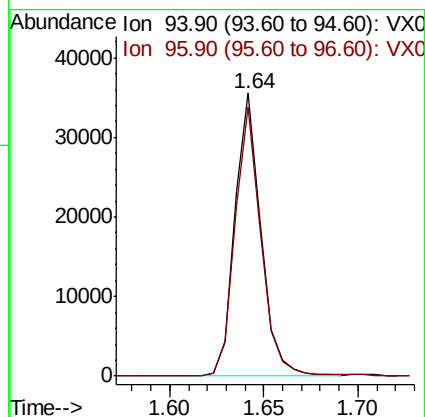
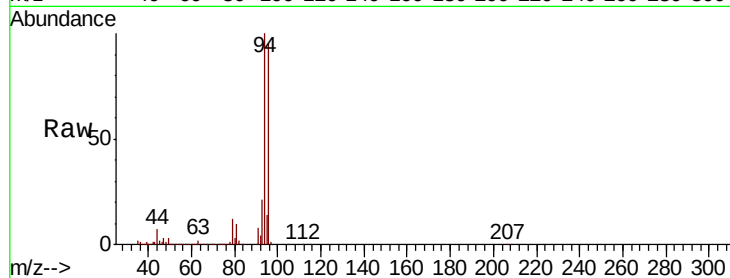
ClientSampled :

Tot Ion: 94 Resp: 33760

Ion Ratio Lower Upper

94 100

96 95.2 73.9 110.9



#6

Chloroethane

Concen: 18.799 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007741.D

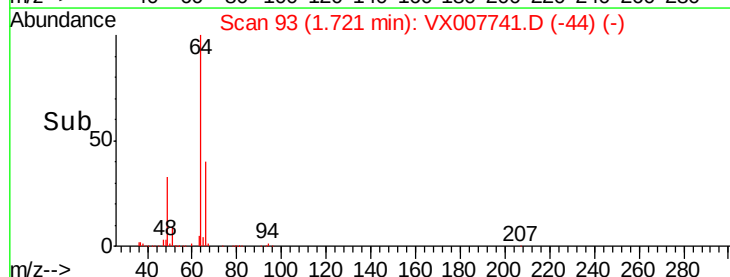
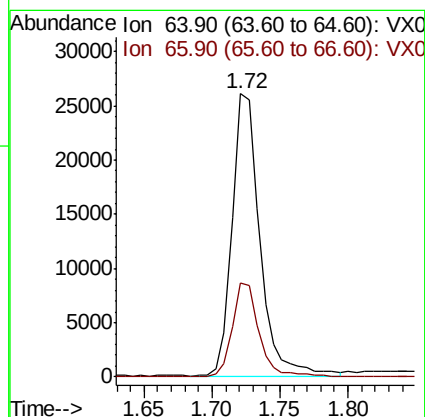
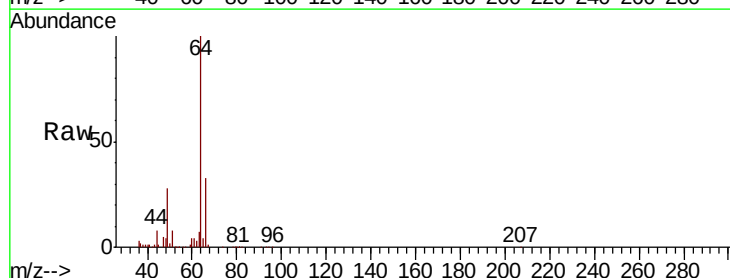
Acq: 27 Feb 2019 18:31

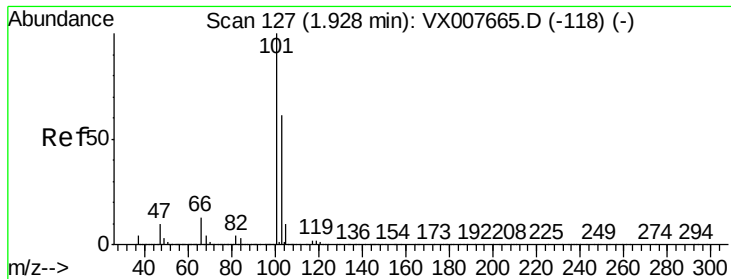
Tgt Ion: 64 Resp: 37097

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



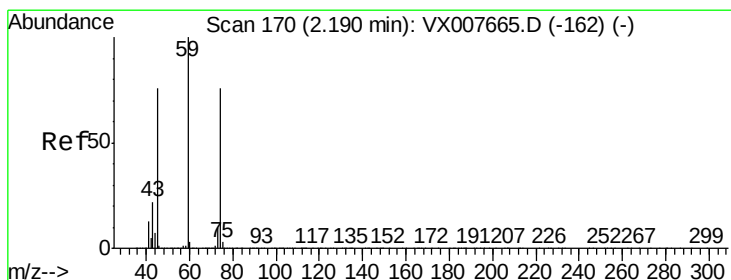
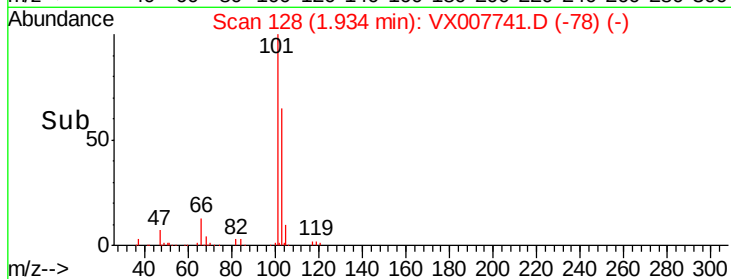
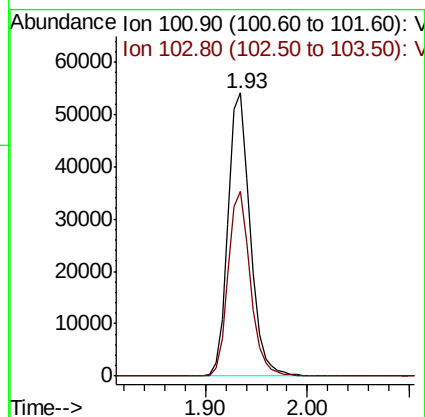
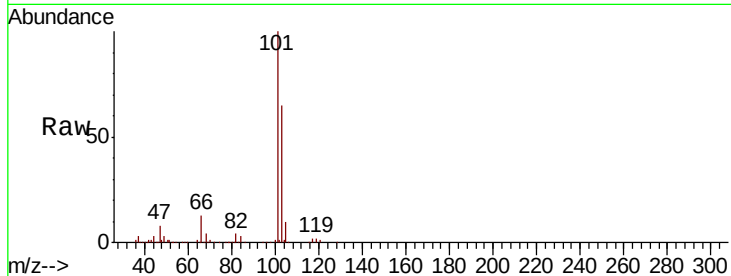


#7

Trichlorofluoromethane  
Concen: 17.128 ug/l  
RT: 1.93 min Scan# 128  
Delta R.T. 0.01 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Instrument :  
MSVOA\_X  
ClientSampled :

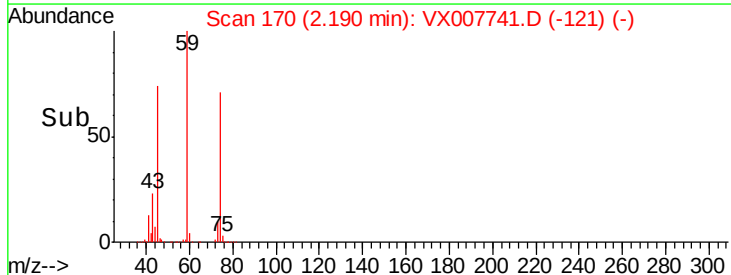
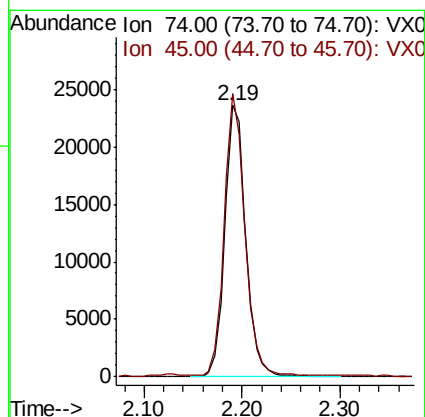
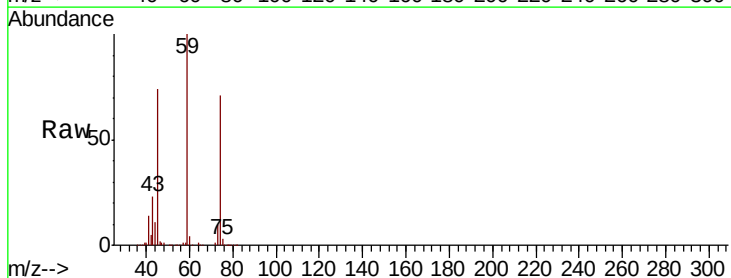
Tot Ion:101 Resp: 81104  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.6 79.0



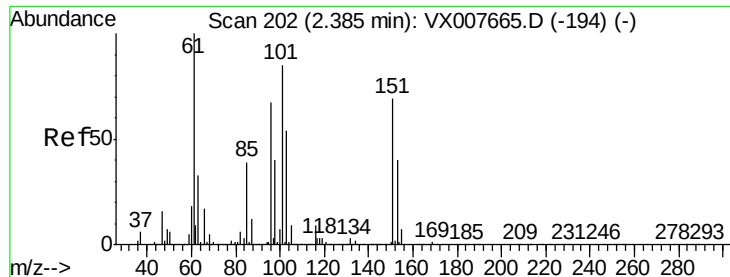
#8

Diethyl Ether  
Concen: 18.009 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion: 74 Resp: 34996  
Ion Ratio Lower Upper  
74 100  
45 101.7 45.7 137.1







#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.899 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

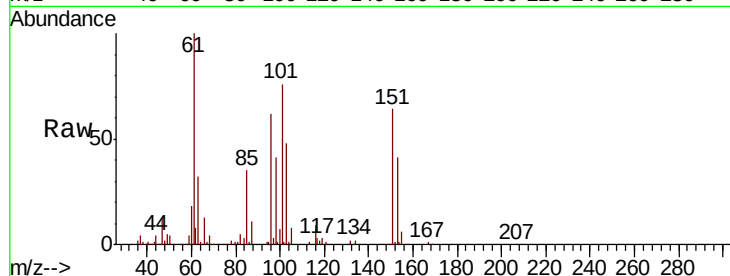
Tot Ion:101 Resp: 48364

Ion Ratio Lower Upper

101 100

85 45.0 34.1 51.1

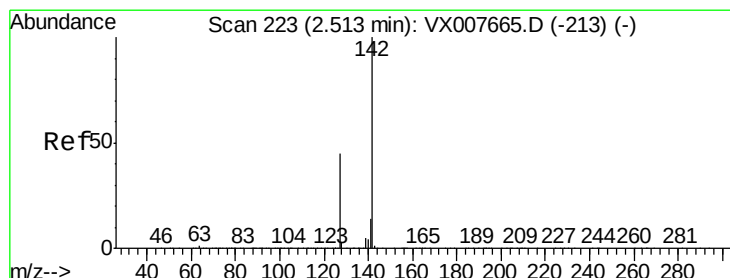
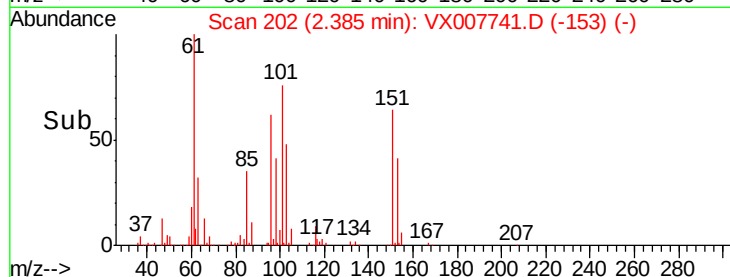
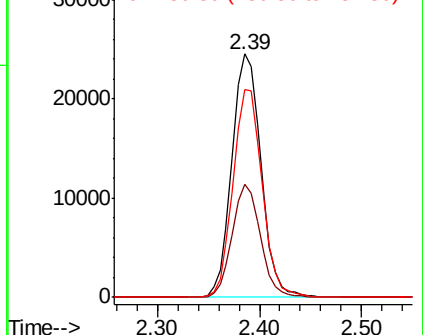
151 85.7 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.170 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

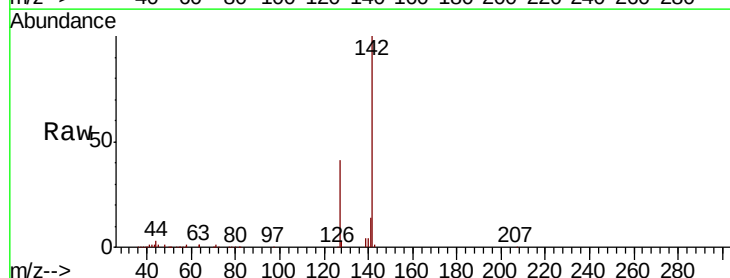
Tgt Ion:142 Resp: 64750

Ion Ratio Lower Upper

142 100

127 41.9 33.7 50.5

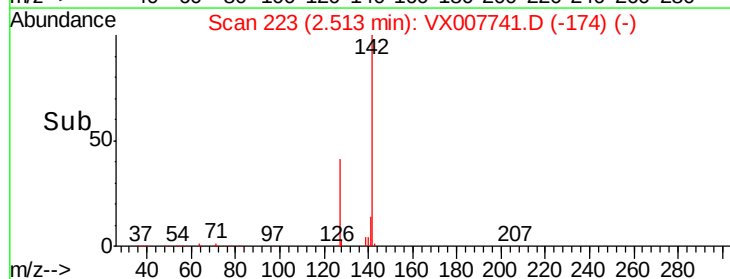
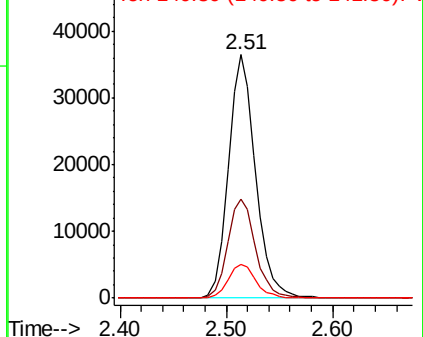
141 14.4 11.3 16.9

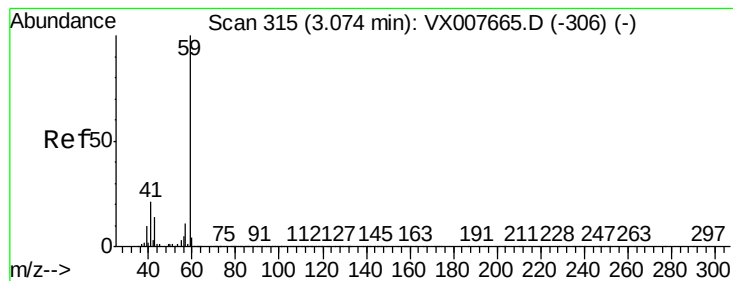


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.924 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

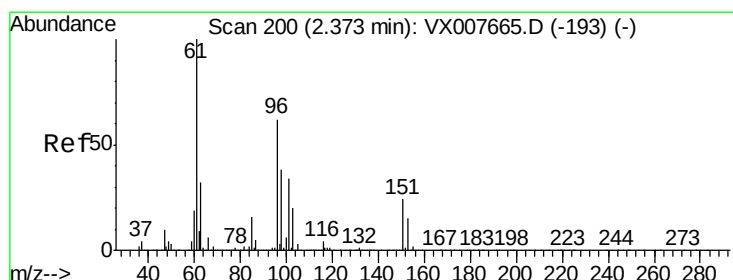
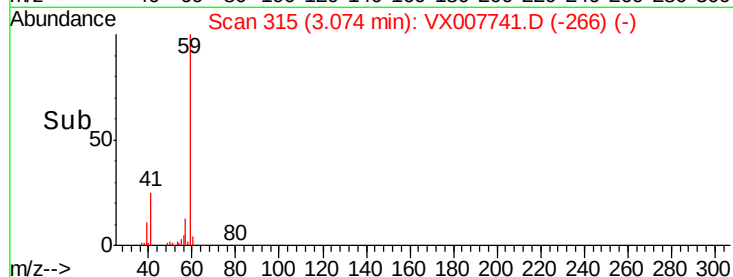
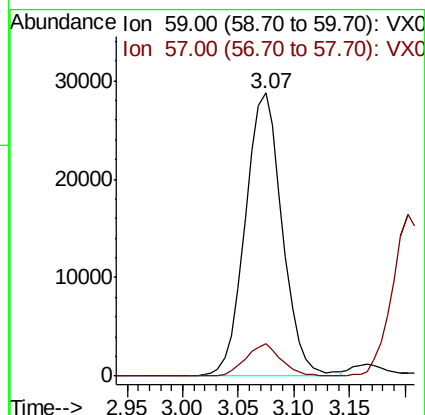
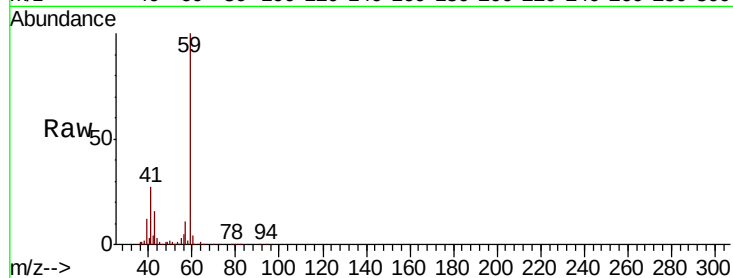
ClientSampleId :

Tot Ion: 59 Resp: 66488

Ion Ratio Lower Upper

59 100

57 11.1 8.1 12.1



#12

1,1-Dichloroethene

Concen: 17.611 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

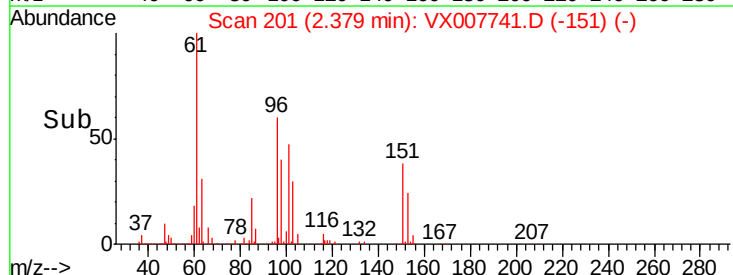
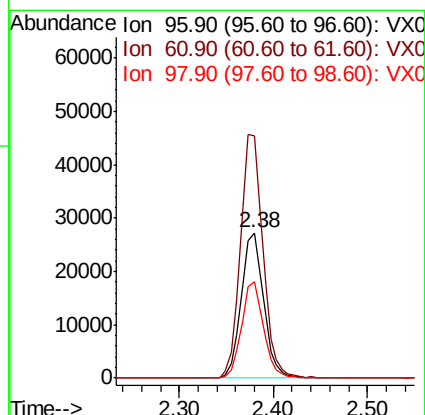
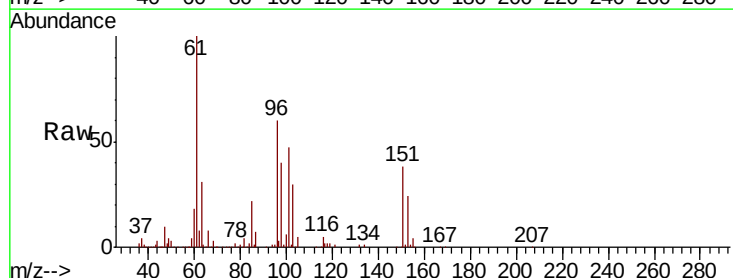
Tgt Ion: 96 Resp: 45431

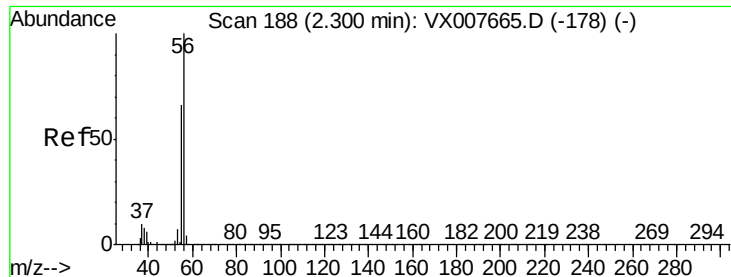
Ion Ratio Lower Upper

96 100

61 166.7 123.0 184.4

98 66.2 50.9 76.3





#13

Acrolein

Concen: 85.603 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

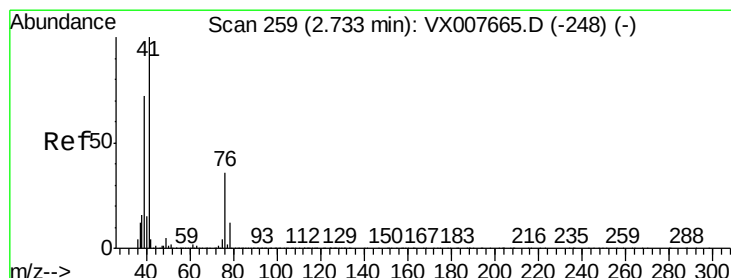
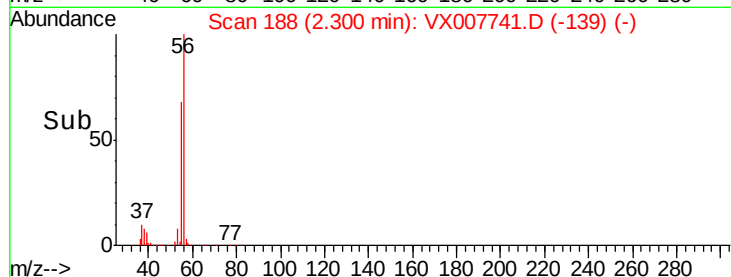
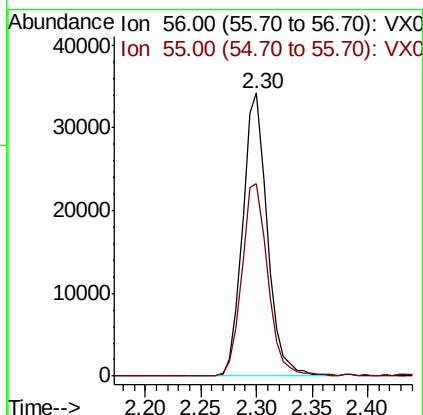
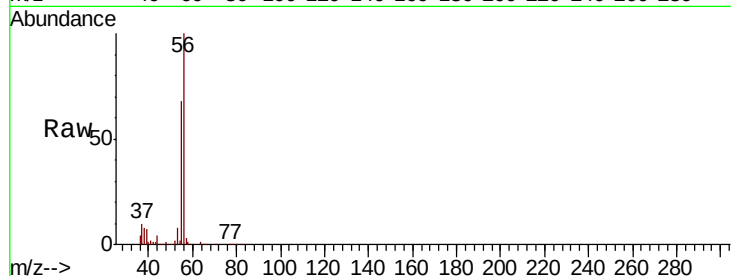
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 56 Resp: 52725

Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3



#14

Allyl chloride

Concen: 19.711 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

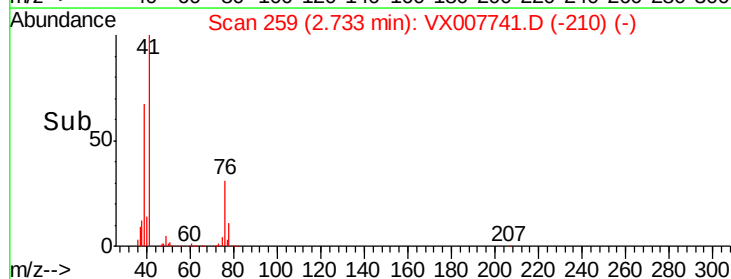
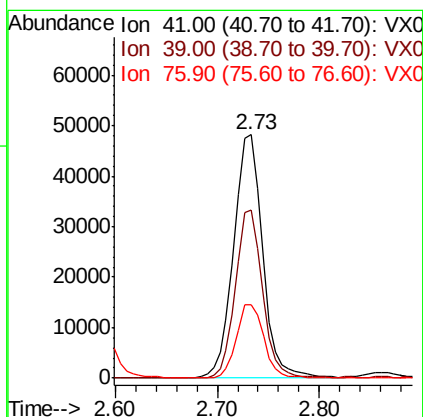
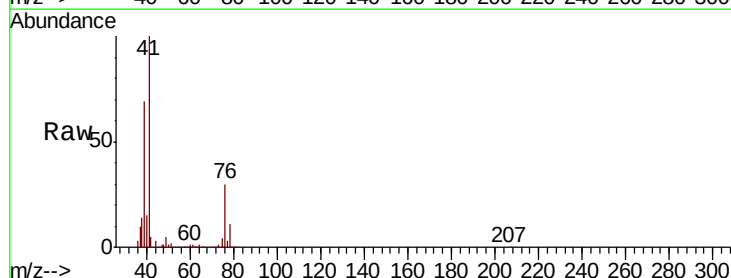
Tgt Ion: 41 Resp: 94021

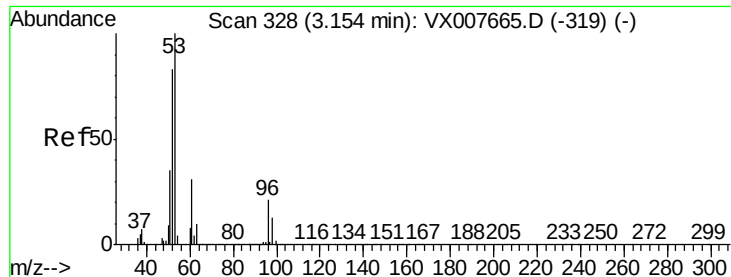
Ion Ratio Lower Upper

41 100

39 64.5 54.1 81.1

76 29.2 27.8 41.8





#15

Acrylonitrile

Concen: 101.111 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :  
MSVOA\_X  
ClientSampled :

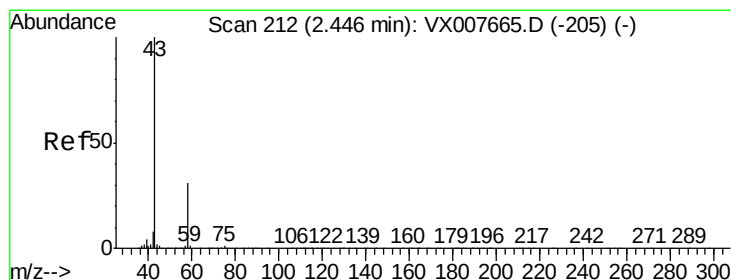
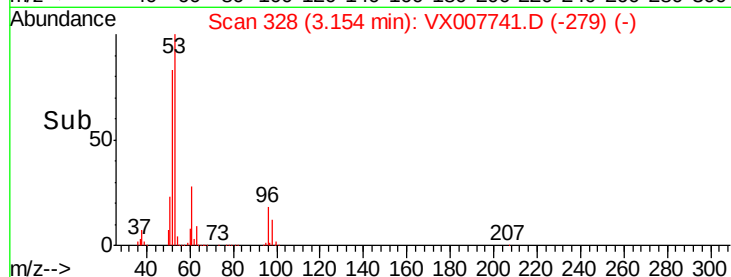
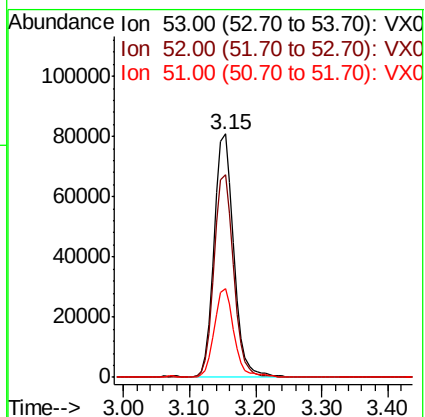
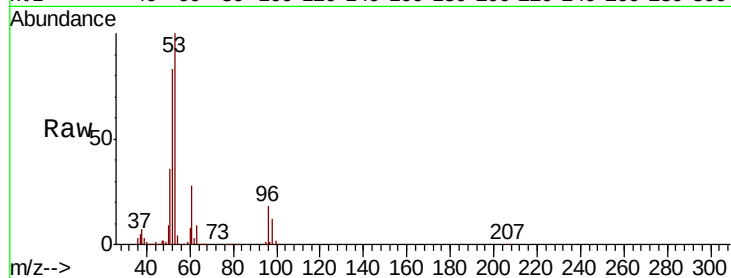
Tot Ion: 53 Resp: 164928

Ion Ratio Lower Upper

53 100

52 82.9 66.4 99.6

51 36.4 28.4 42.6



#16

Acetone

Concen: 94.538 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007741.D

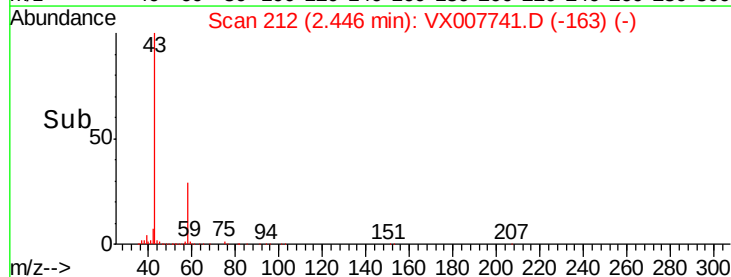
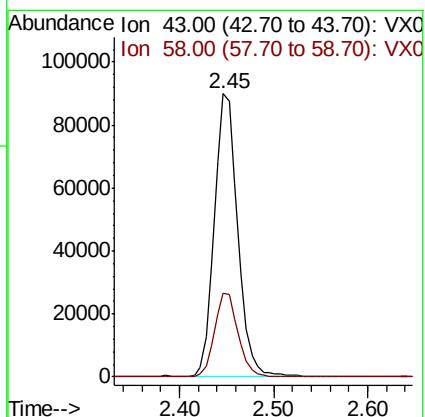
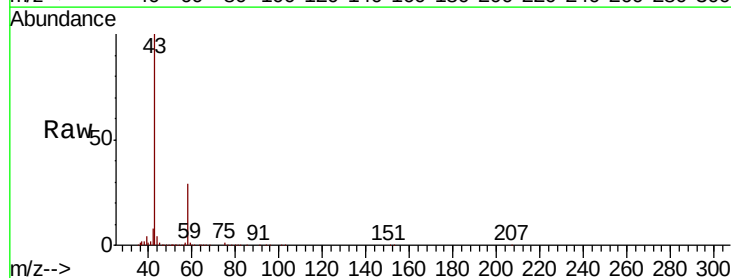
Acq: 27 Feb 2019 18:31

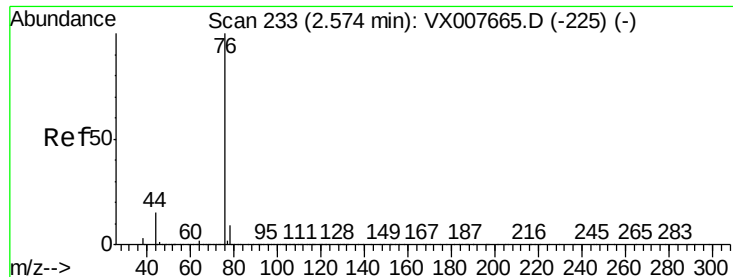
Tgt Ion: 43 Resp: 153583

Ion Ratio Lower Upper

43 100

58 29.3 24.9 37.3





#17

Carbon Disulfide

Concen: 15.922 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

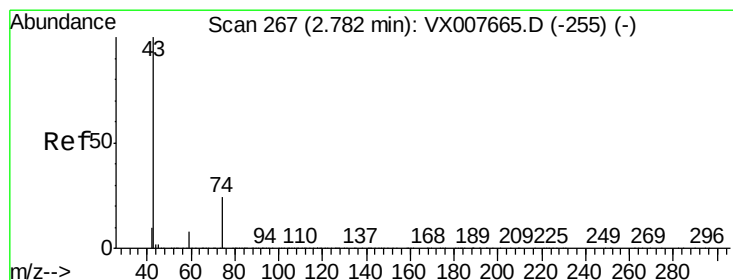
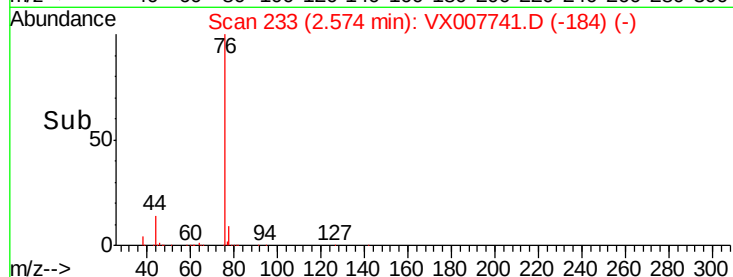
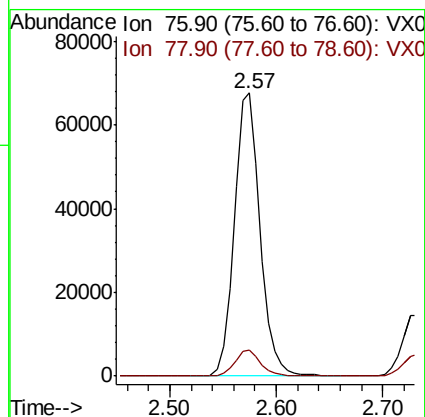
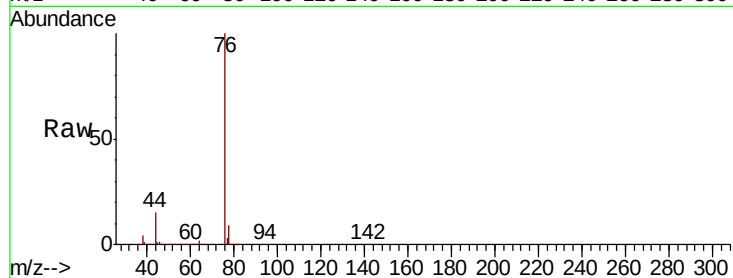
ClientSampleId :

Tot Ion: 76 Resp: 114277

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 21.666 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007741.D

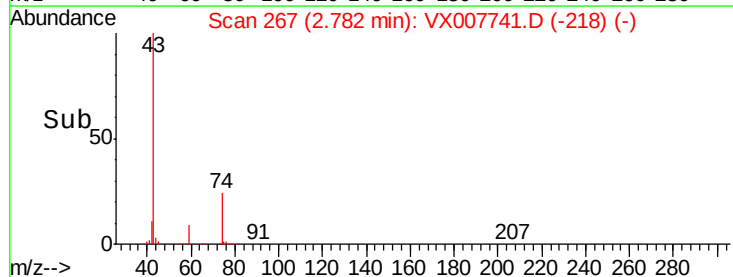
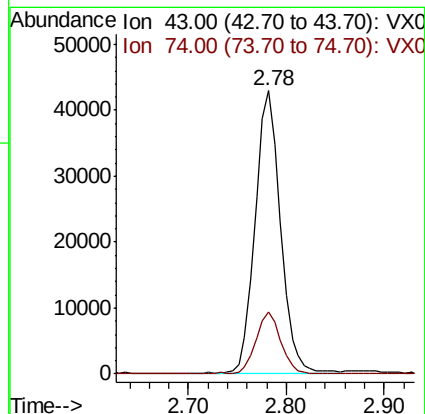
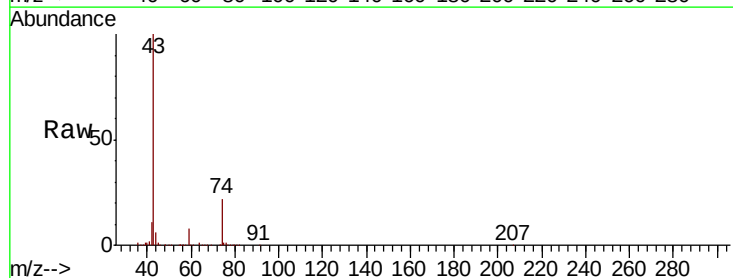
Acq: 27 Feb 2019 18:31

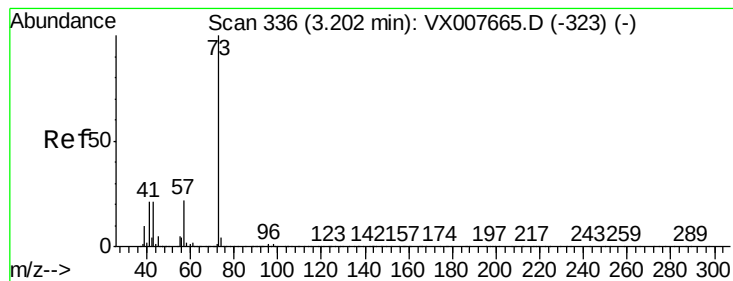
Tgt Ion: 43 Resp: 76806

Ion Ratio Lower Upper

43 100

74 21.1 19.4 29.2



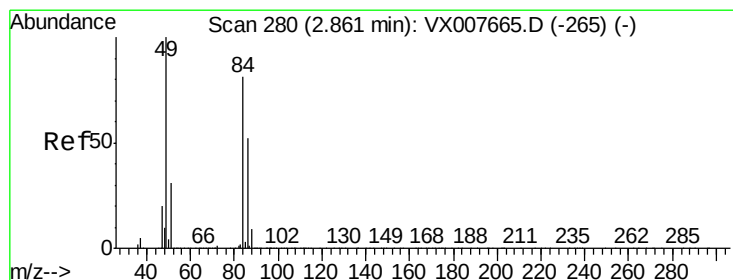
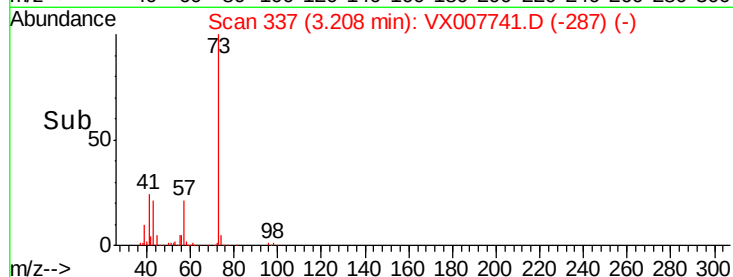
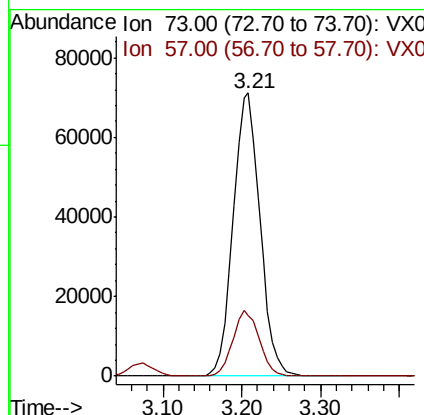
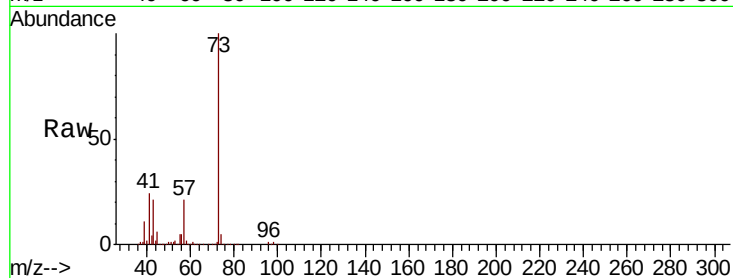


#19

Methyl tert-butyl Ether  
 Concen: 18.729 ug/l  
 RT: 3.21 min Scan# 337  
 Delta R.T. 0.01 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :

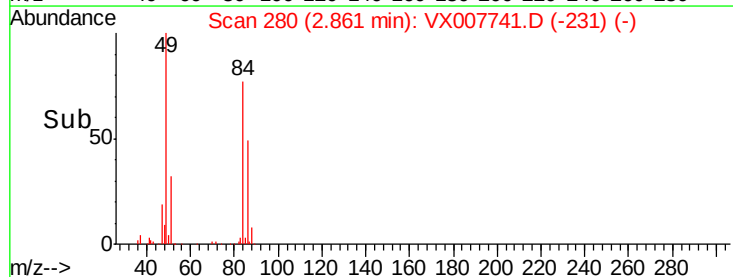
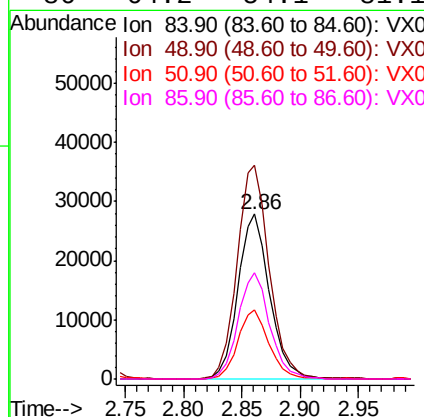
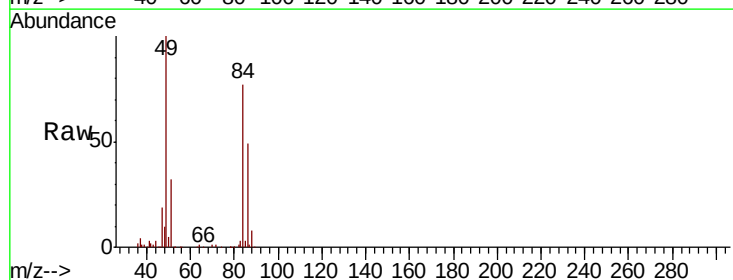
Tot Ion: 73 Resp: 168253  
 Ion Ratio Lower Upper  
 73 100  
 57 21.4 17.8 26.8

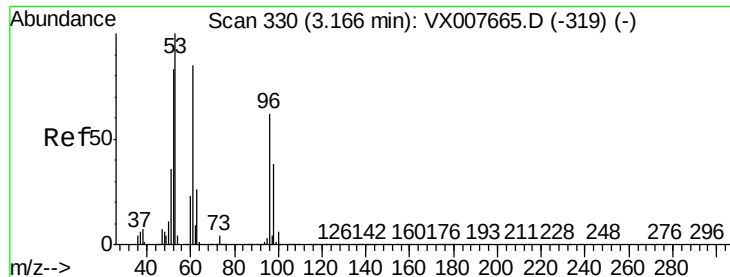


#20

Methylene Chloride  
 Concen: 17.549 ug/l  
 RT: 2.86 min Scan# 280  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Tgt Ion: 84 Resp: 52642  
 Ion Ratio Lower Upper  
 84 100  
 49 129.4 94.8 142.2  
 51 42.0 29.8 44.8  
 86 64.2 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 17.441 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

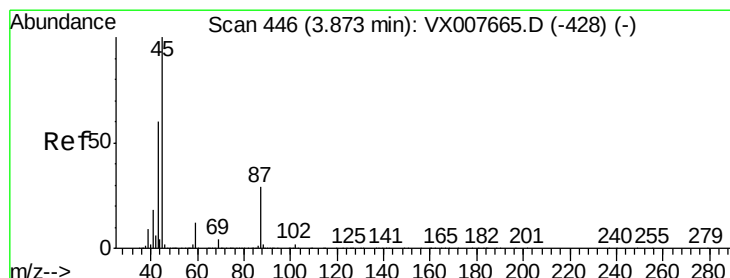
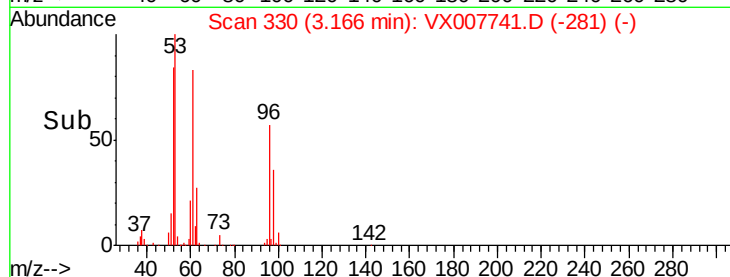
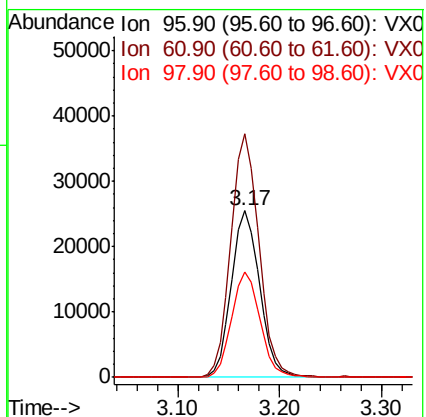
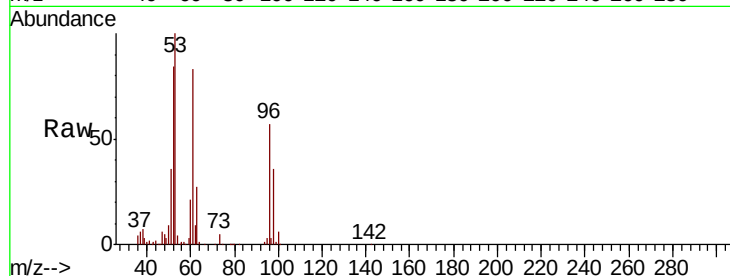
Tot Ion: 96 Resp: 48913

Ion Ratio Lower Upper

96 100

61 146.3 104.6 156.8

98 63.2 51.0 76.4



#22

Diisopropyl ether

Concen: 19.728 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Tgt Ion: 45 Resp: 195899

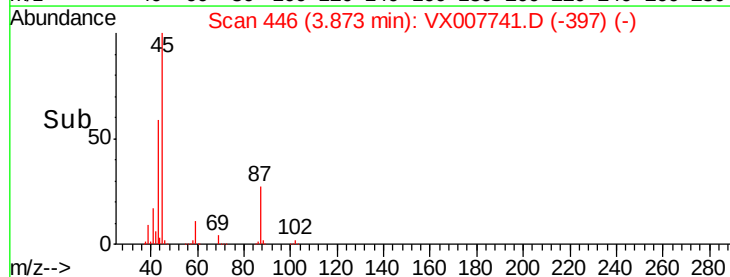
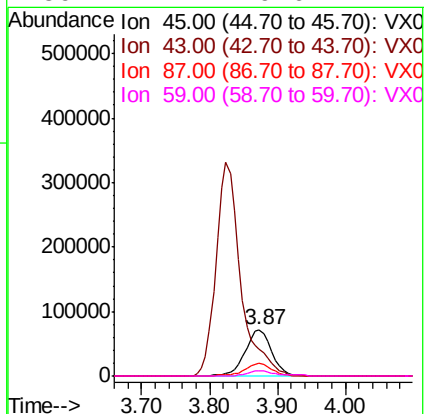
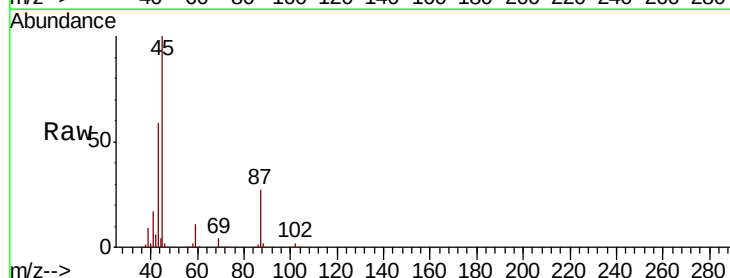
Ion Ratio Lower Upper

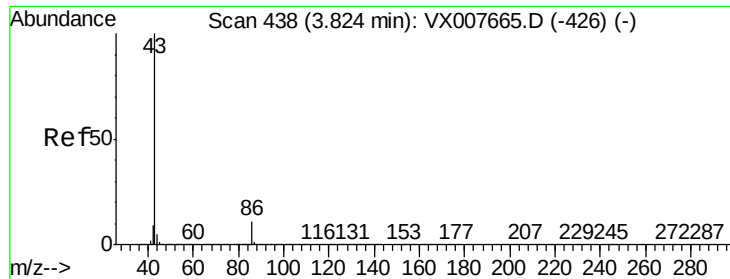
45 100

43 58.3 48.9 73.3

87 26.9 23.9 35.9

59 11.1 9.6 14.4

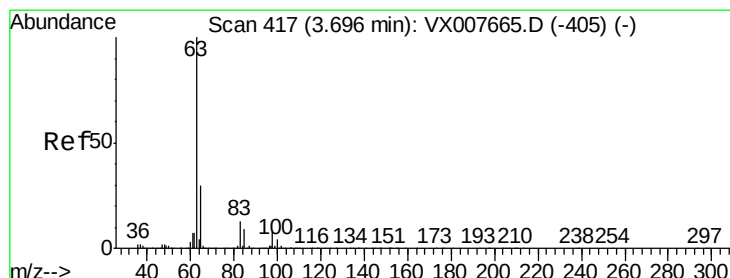
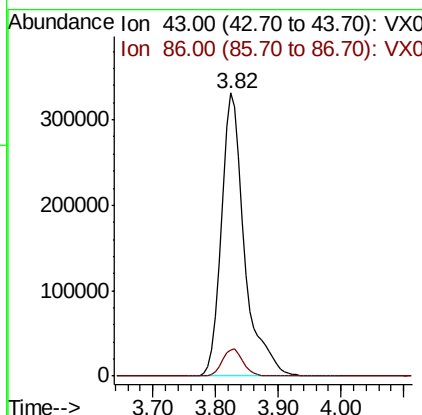
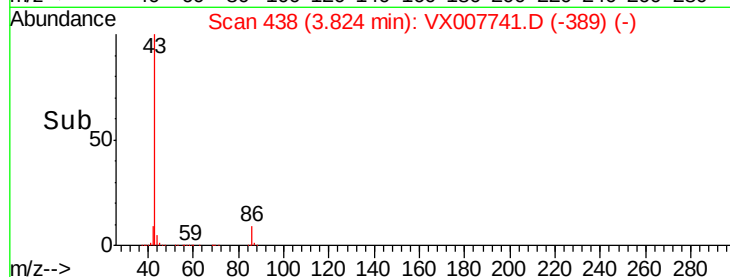
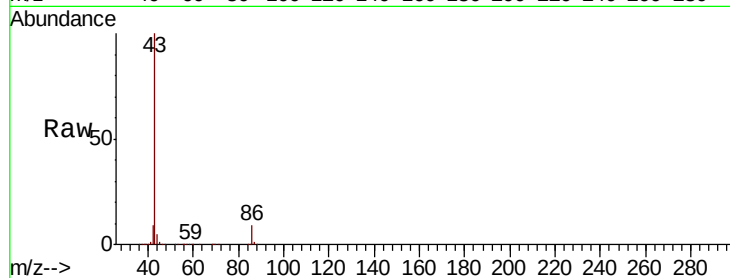




#23  
 Vinyl Acetate  
 Concen: 96.757 ug/l  
 RT: 3.82 min Scan# 438  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

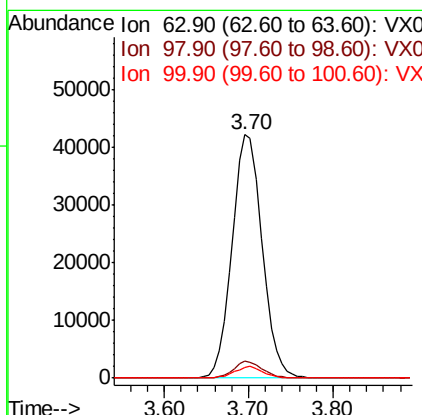
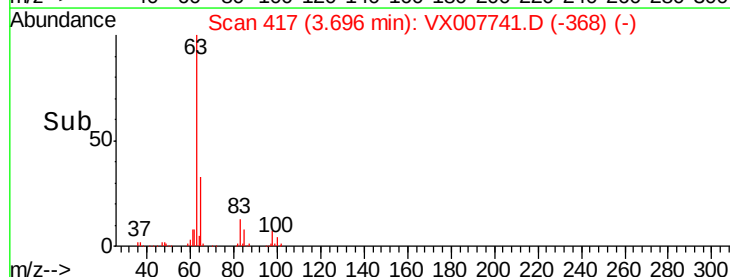
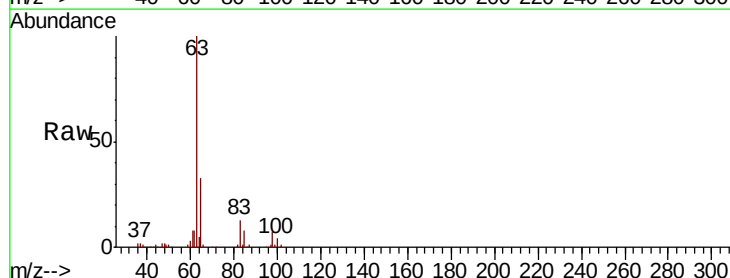
Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion: 43 Resp: 842943  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 8.7 13.1

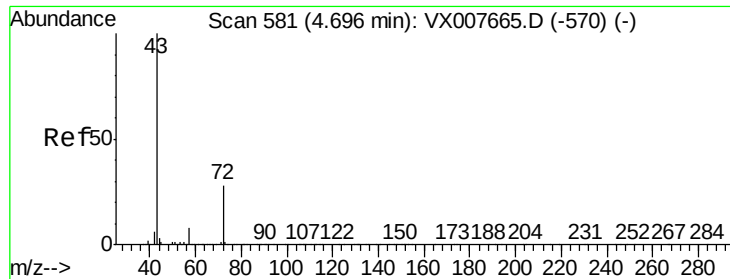


#24  
 1,1-Dichloroethane  
 Concen: 18.899 ug/l  
 RT: 3.70 min Scan# 417  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Tgt Ion: 63 Resp: 101991  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.6 10.8  
 100 4.4 2.5 7.4



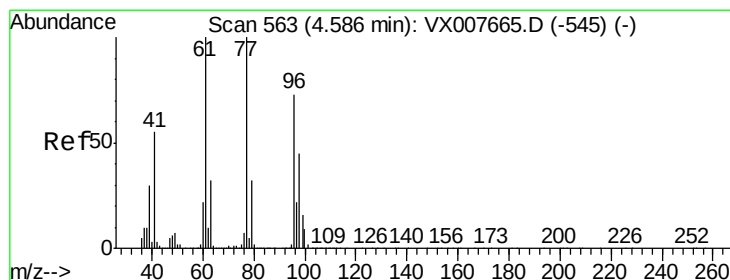
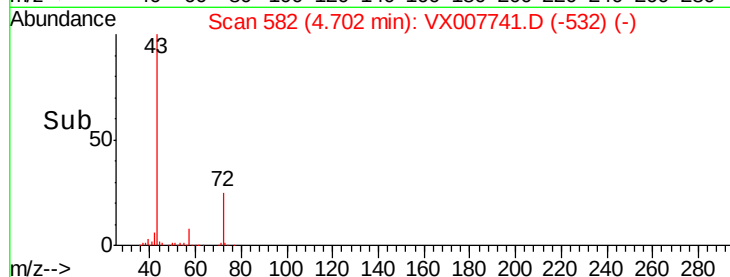
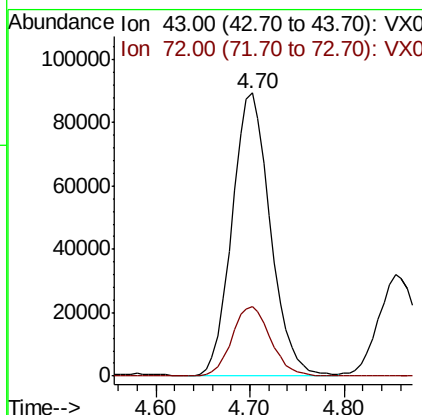
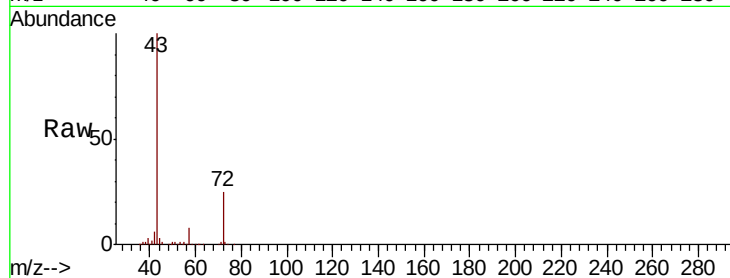




#25  
2-Butanone  
Concen: 101.920 ug/l  
RT: 4.70 min Scan# 582  
Delta R.T. 0.01 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

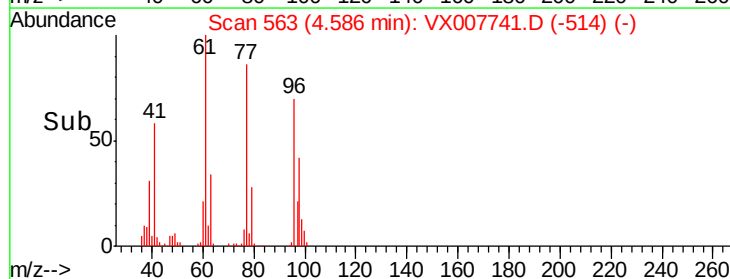
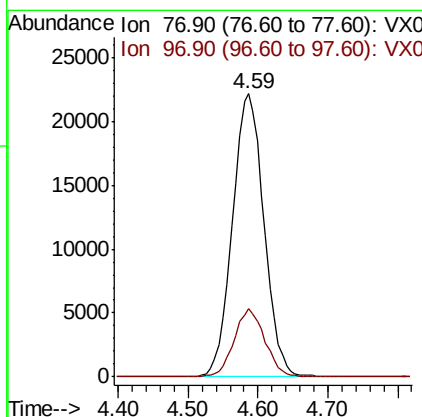
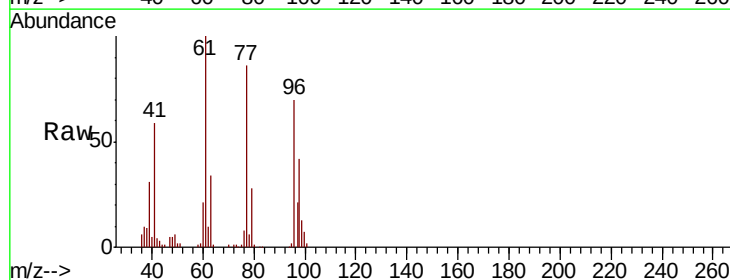
Instrument :  
MSVOA\_X  
ClientSampleId :

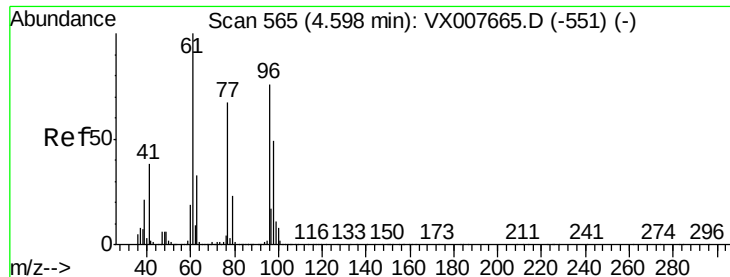
Tot Ion: 43 Resp: 252215  
Ion Ratio Lower Upper  
43 100  
72 24.7 22.2 33.2



#26  
2,2-Dichloropropane  
Concen: 16.059 ug/l  
RT: 4.59 min Scan# 563  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion: 77 Resp: 69179  
Ion Ratio Lower Upper  
77 100  
97 23.5 12.1 36.3



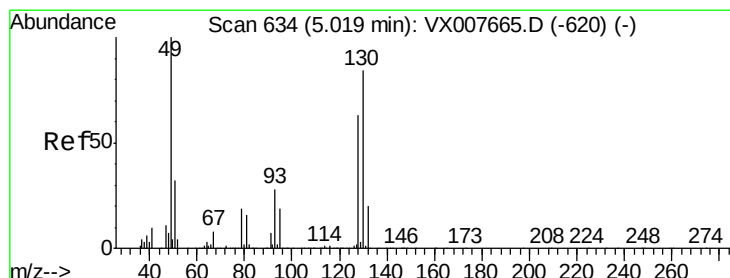
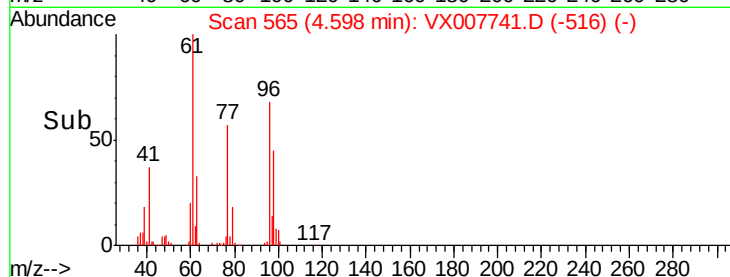
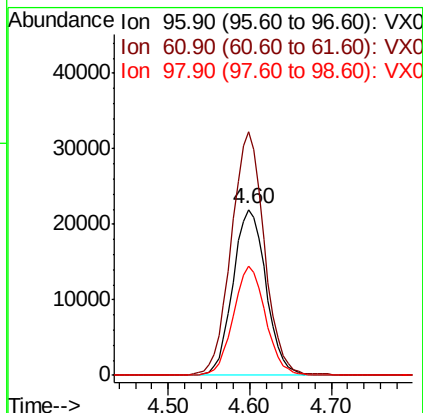
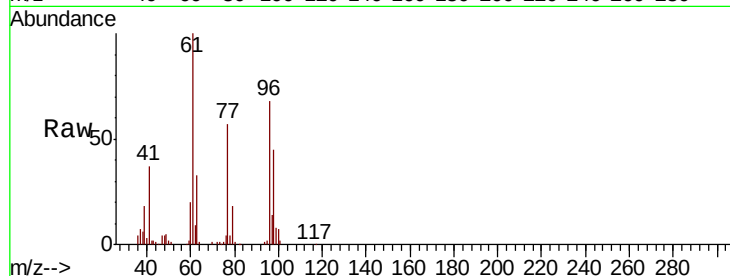


#27

cis-1,2-Dichloroethene  
Concen: 17.262 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Instrument :  
MSVOA\_X  
ClientSampleId :

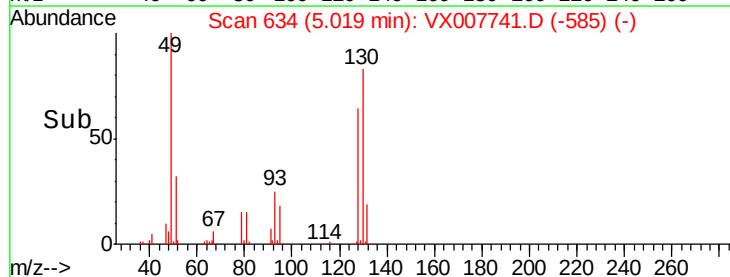
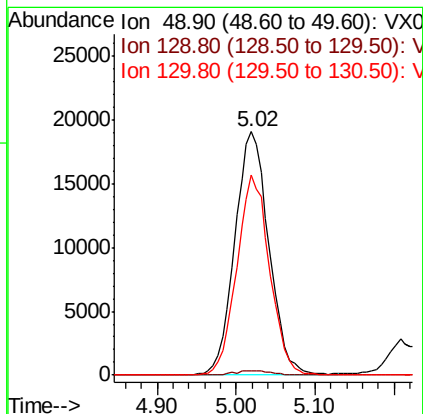
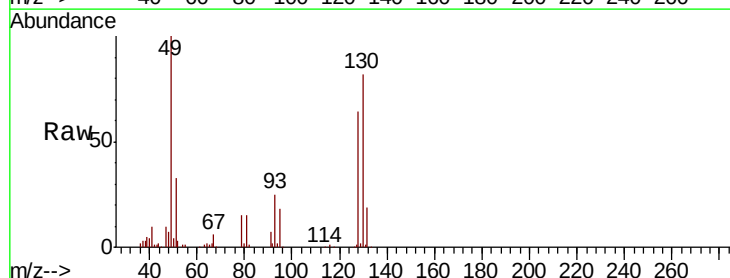
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.1 | 0.0   | 265.6 |
| 98      | 64.1  | 0.0   | 131.6 |

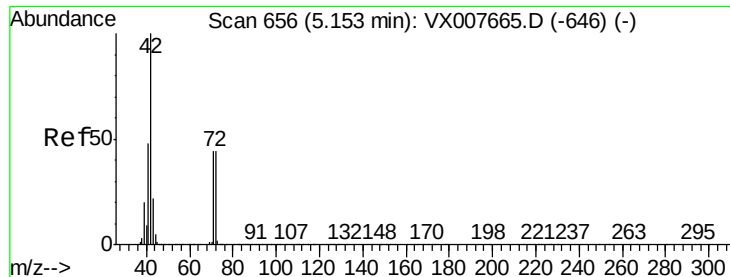


#28

Bromochloromethane  
Concen: 21.812 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 5.6   |
| 130     | 79.1  | 75.6  | 113.4 |





#29

Tetrahydrofuran

Concen: 101.621 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

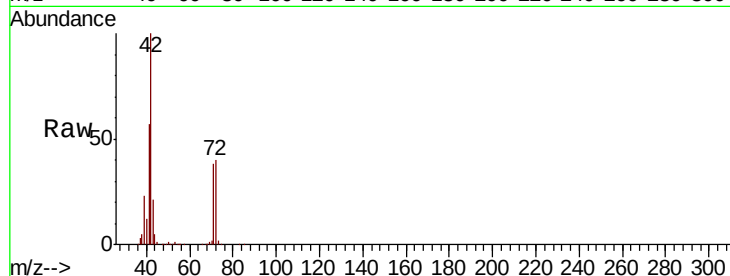
Tot Ion: 42 Resp: 165765

Ion Ratio Lower Upper

42 100

72 41.3 37.6 56.4

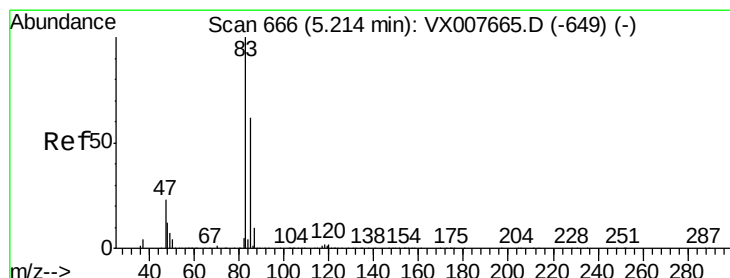
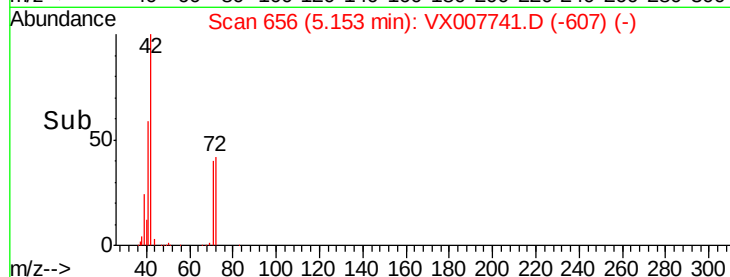
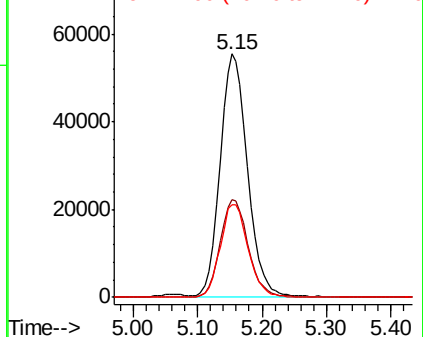
71 39.0 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 17.896 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007741.D

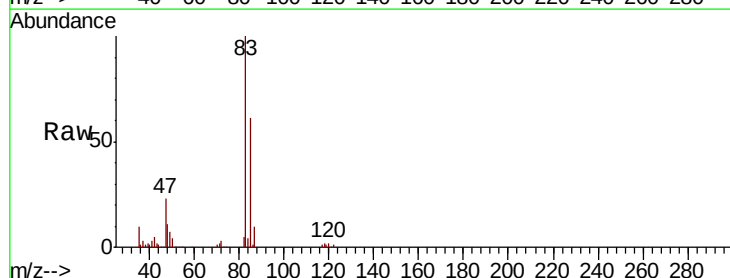
Acq: 27 Feb 2019 18:31

Tgt Ion: 83 Resp: 103454

Ion Ratio Lower Upper

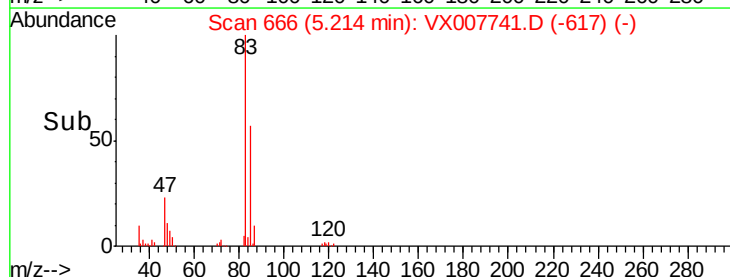
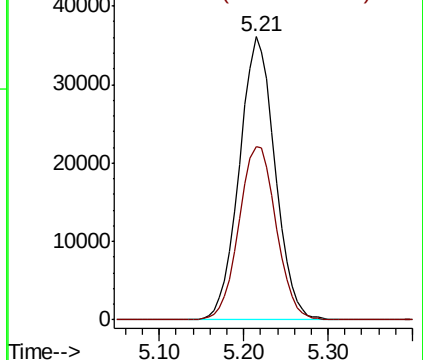
83 100

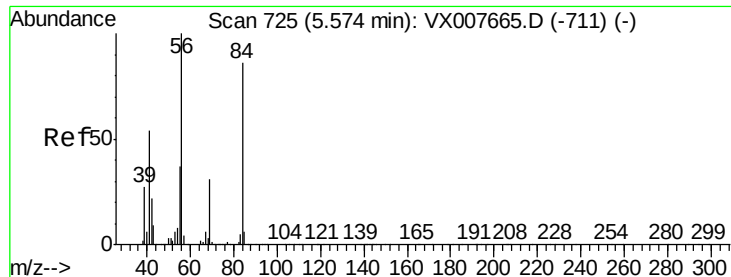
85 61.4 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

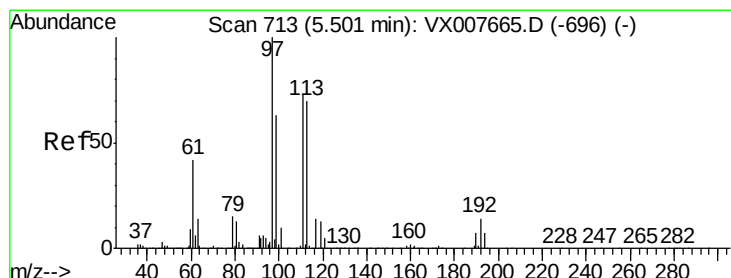
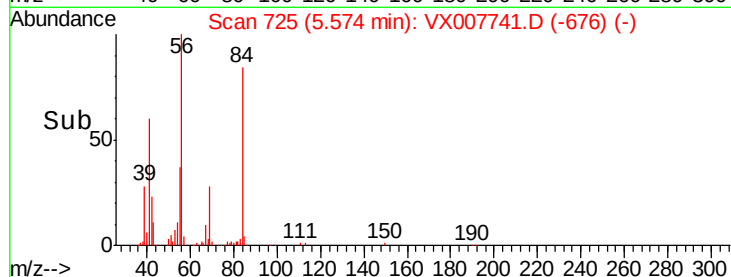
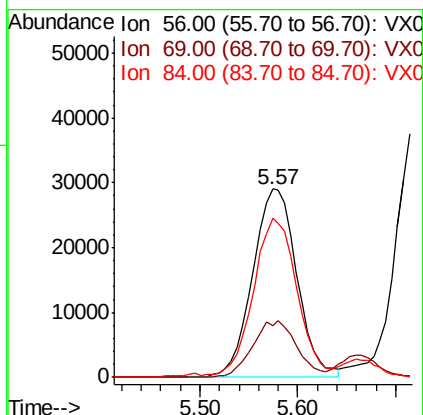
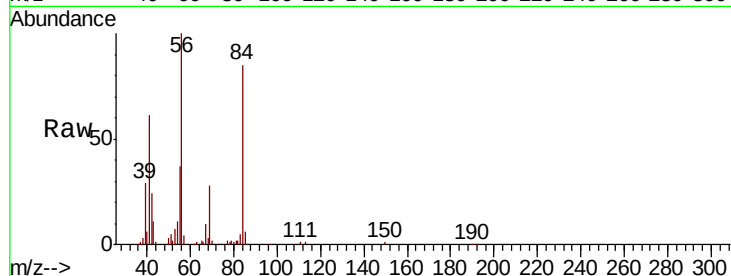




#31  
Cyclohexane  
Concen: 17.965 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

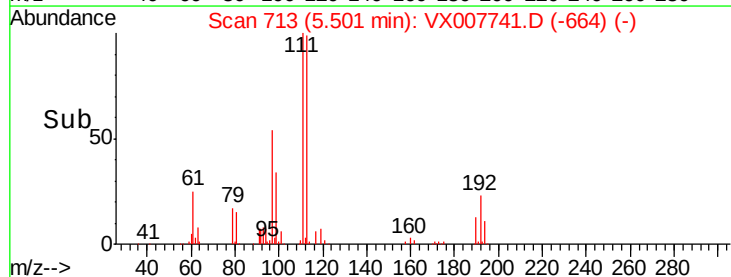
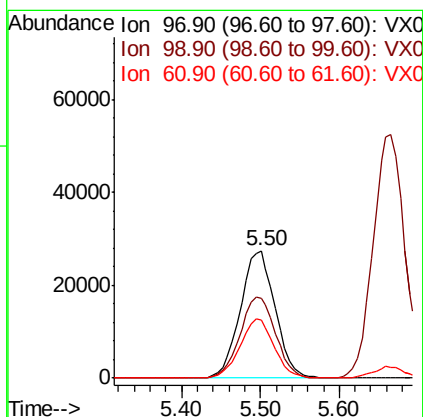
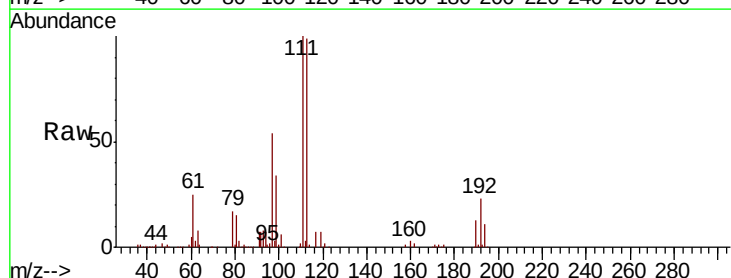
Instrument :  
MSVOA\_X  
ClientSampleId :

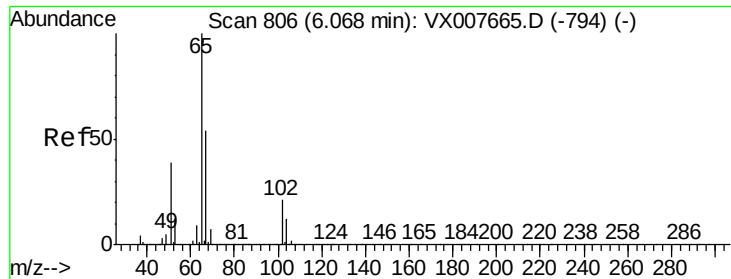
Tot Ion: 56 Resp: 91194  
Ion Ratio Lower Upper  
56 100  
69 27.7 23.0 34.6  
84 82.9 69.8 104.6



#32  
1,1,1-Trichloroethane  
Concen: 17.589 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion: 97 Resp: 84087  
Ion Ratio Lower Upper  
97 100  
99 64.5 52.2 78.2  
61 45.5 32.7 49.1

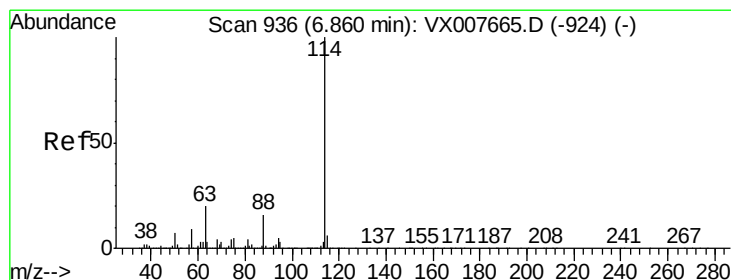
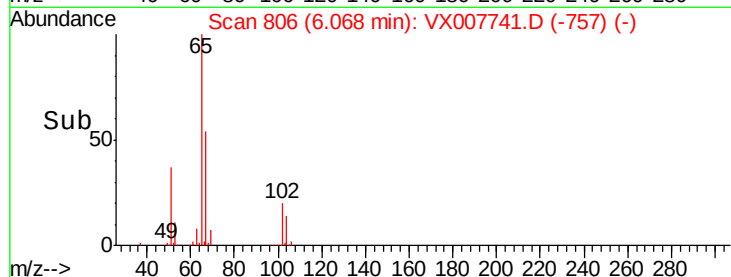
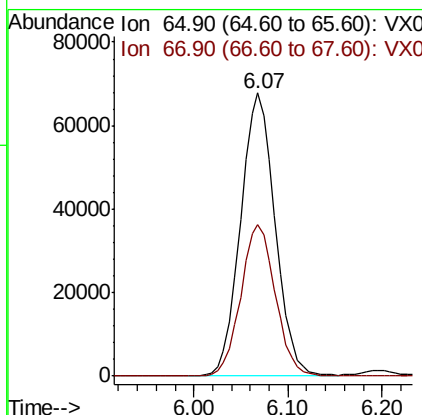
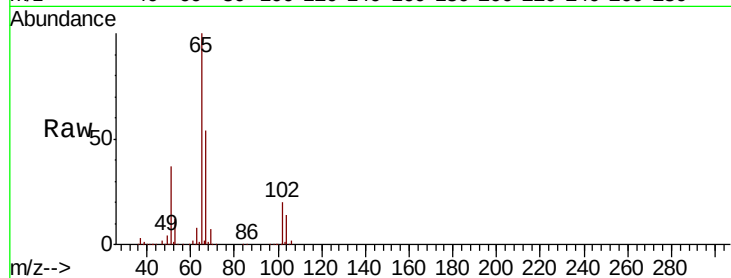




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.644 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

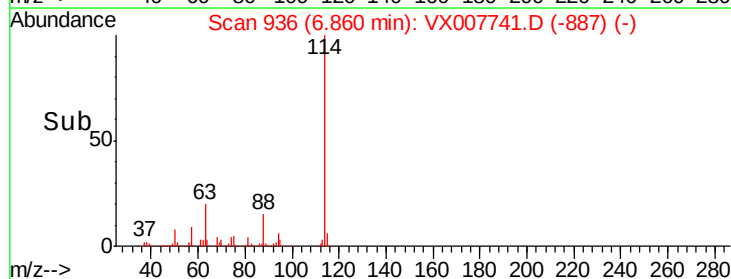
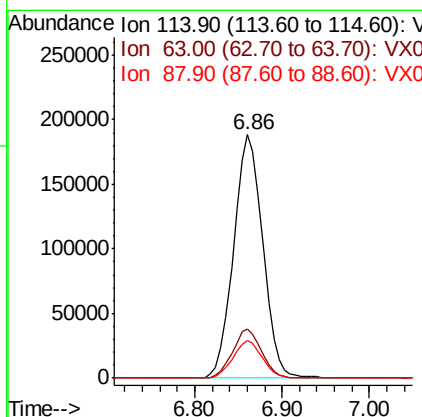
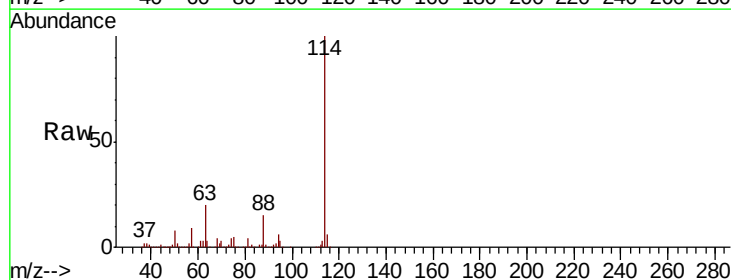
Instrument :  
 MSVOA\_X  
 ClientSampleId :

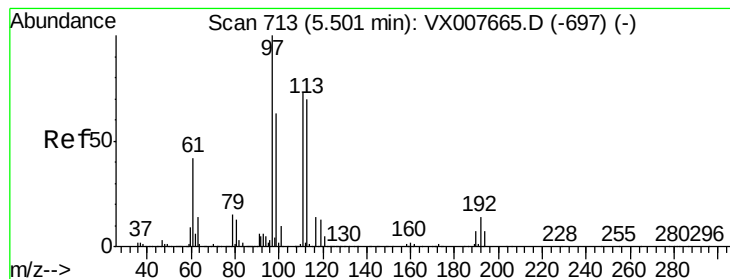
Tot Ion: 65 Resp: 174053  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Tgt Ion: 114 Resp: 436629  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 35.6  
 88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.710 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

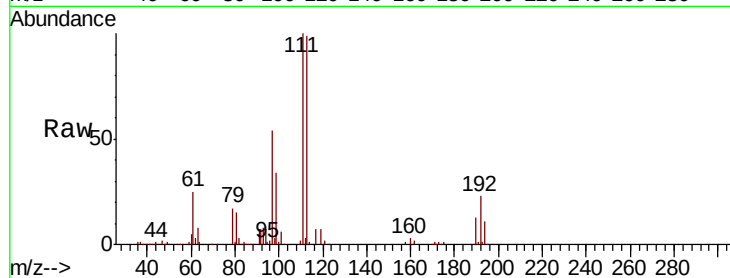
Tot Ion:113 Resp: 139253

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

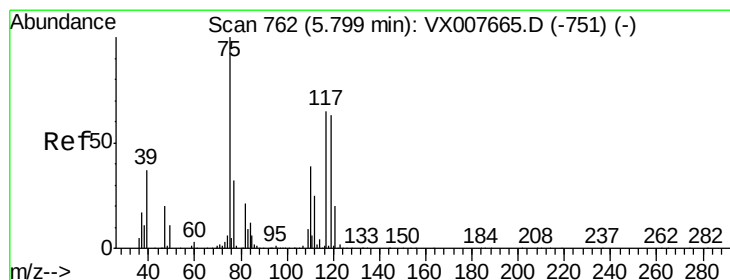
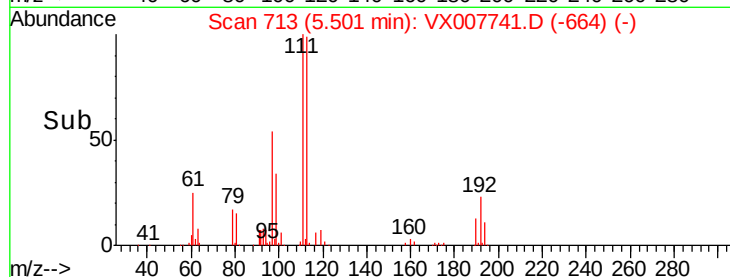
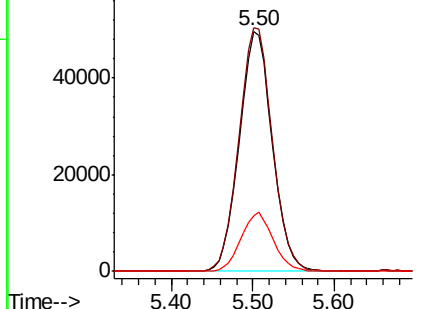
192 24.1 18.5 27.7



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: 19.057 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

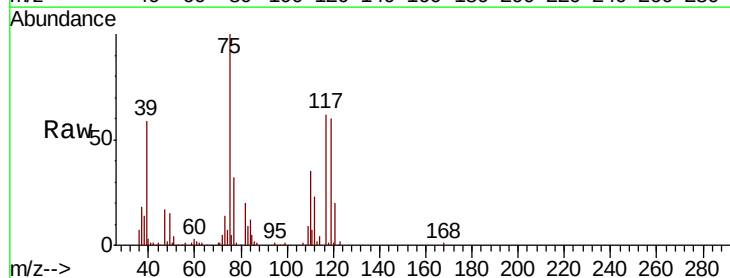
Tgt Ion: 75 Resp: 74806

Ion Ratio Lower Upper

75 100

110 36.7 20.0 59.9

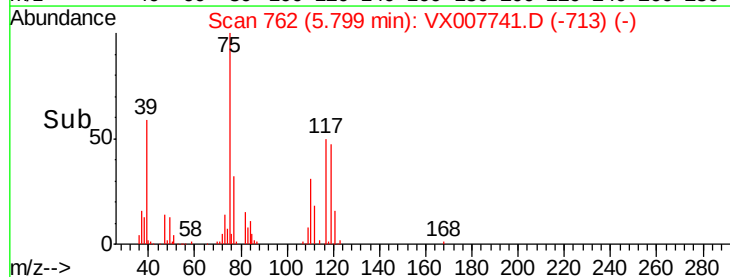
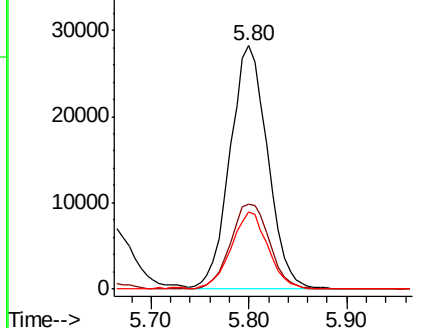
77 31.5 24.7 37.1

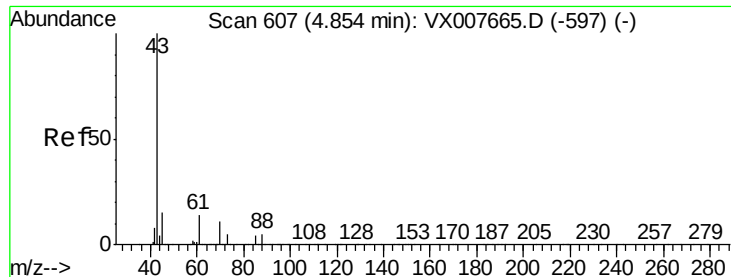


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

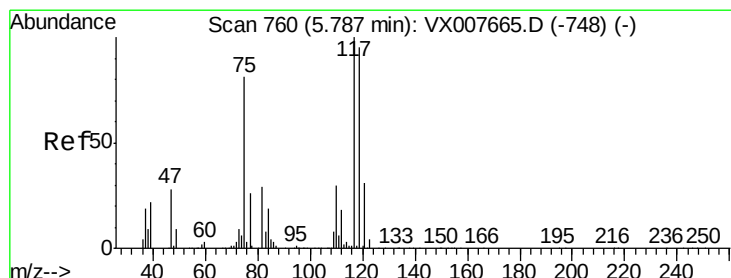
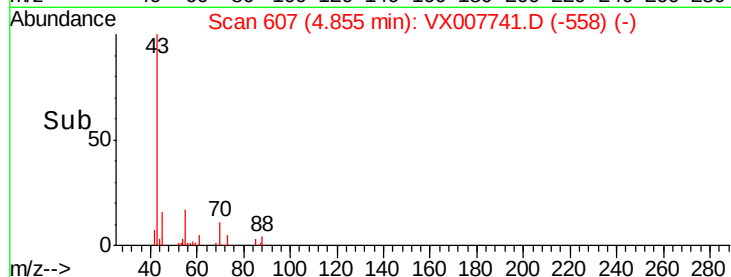
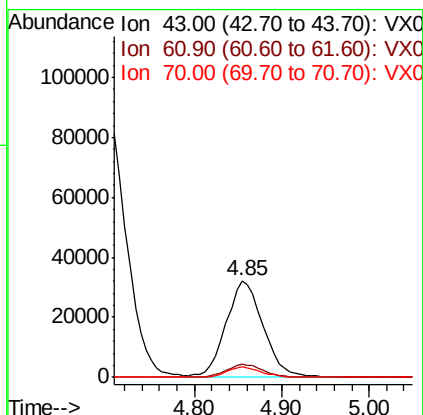
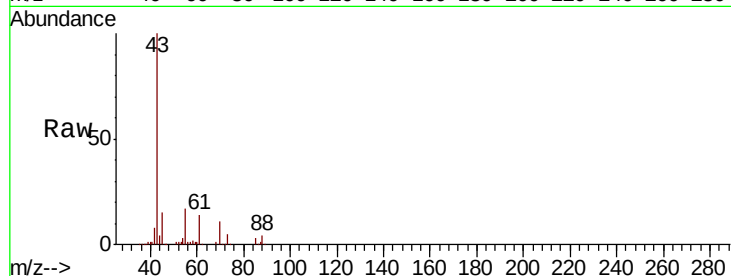




#37  
Ethyl Acetate  
Concen: 21.343 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

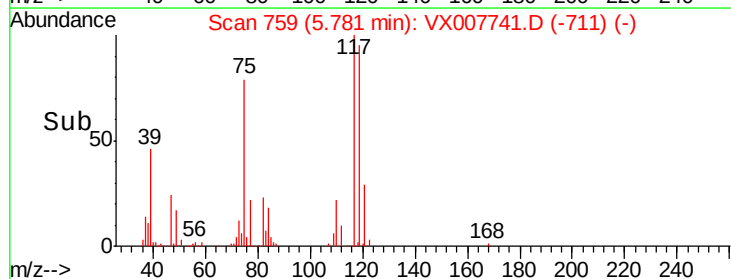
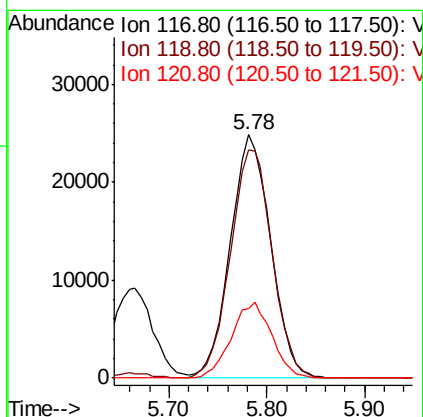
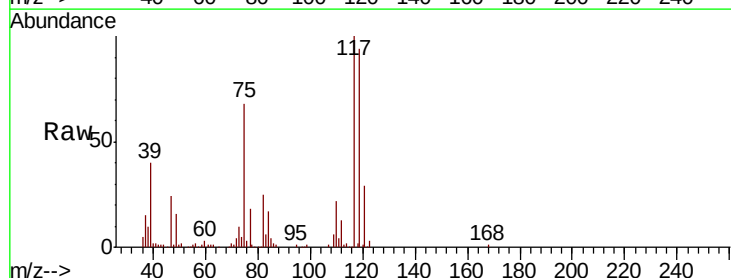
Instrument :  
MSVOA\_X  
ClientSampled :

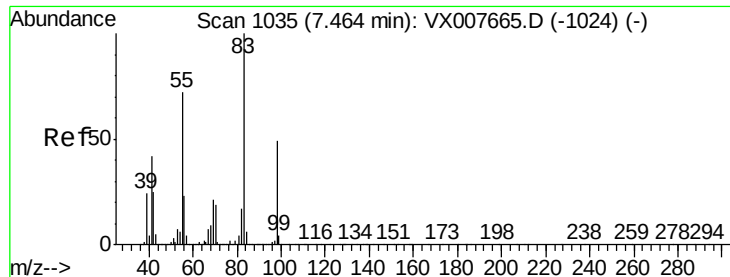
| Tot Ion   | 43    | Resp  | 93066 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 13.7  | 11.3  | 16.9  |
| 70        | 10.4  | 8.6   | 13.0  |



#38  
Carbon Tetrachloride  
Concen: 18.049 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

| Tgt Ion   | 117   | Resp  | 71172 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 93.8  | 75.3  | 112.9 |
| 121       | 28.7  | 25.0  | 37.4  |

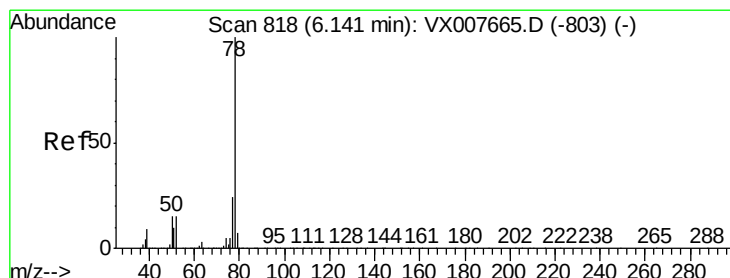
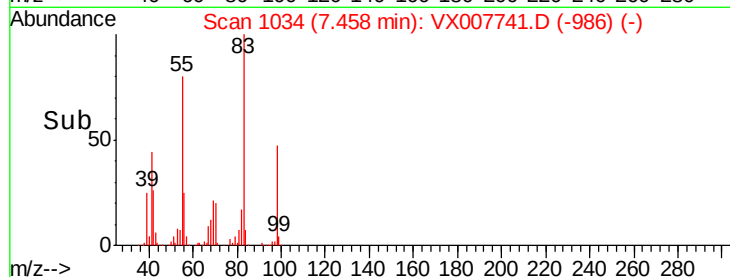
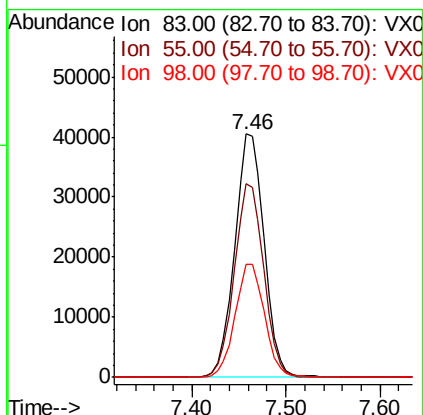
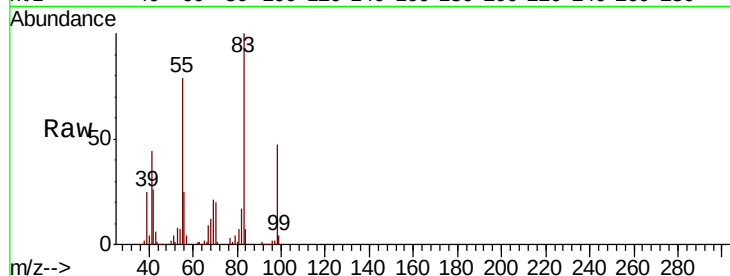




#39  
Methylvlcyclohexane  
Concen: 17.740 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

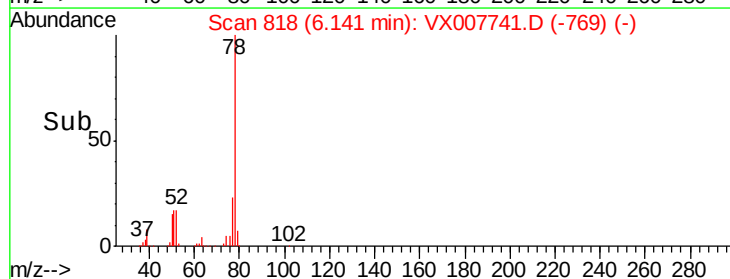
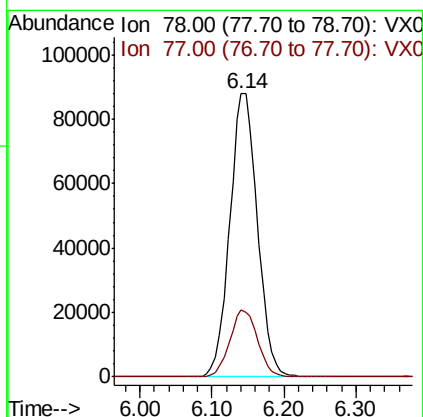
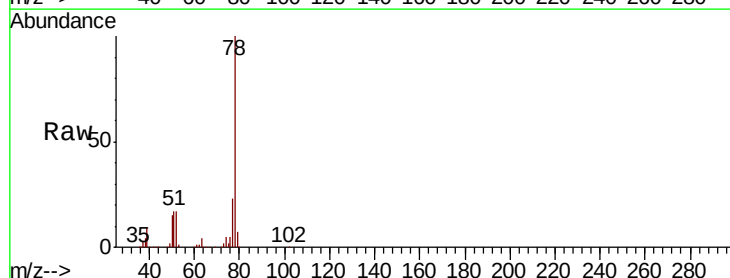
Instrument :  
MSVOA\_X  
ClientSampled :

| Tot Ion   | 83.00 | Resp  | 88014 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 79.5  | 56.2  | 84.2  |
| 98        | 46.6  | 36.8  | 55.2  |

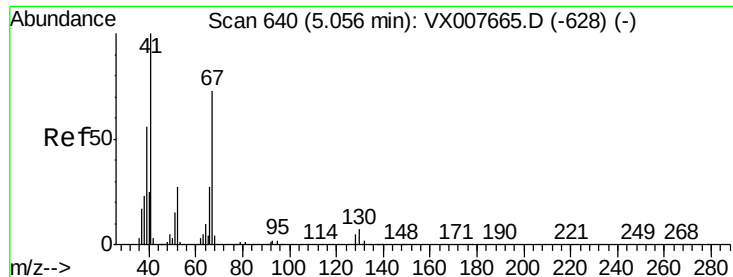


#40  
Benzene  
Concen: 19.348 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

| Tgt Ion   | 78.00 | Resp  | 234448 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.5  | 19.3  | 28.9   |







#41

Methacrylonitrile

Concen: 22.523 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 41 Resp: 52444

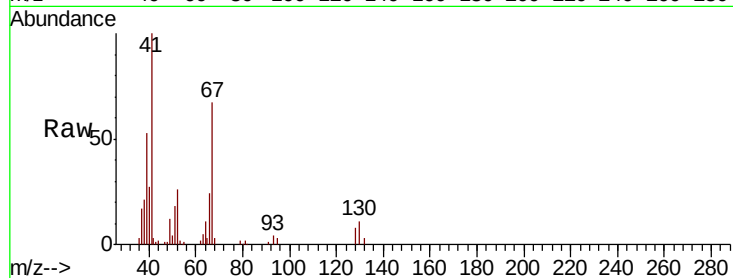
Ion Ratio Lower Upper

41 100

39 55.2 44.5 66.7

67 68.5 60.4 90.6

52 29.2 24.1 36.1

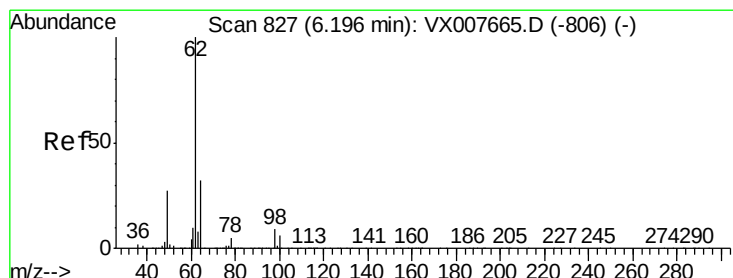
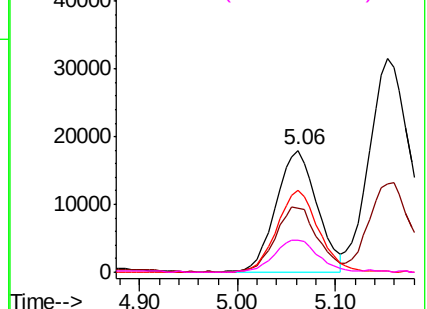
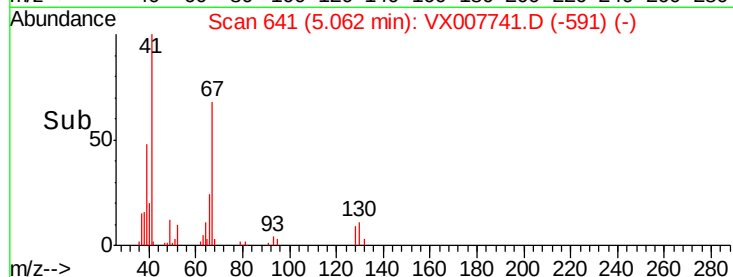


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.851 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007741.D

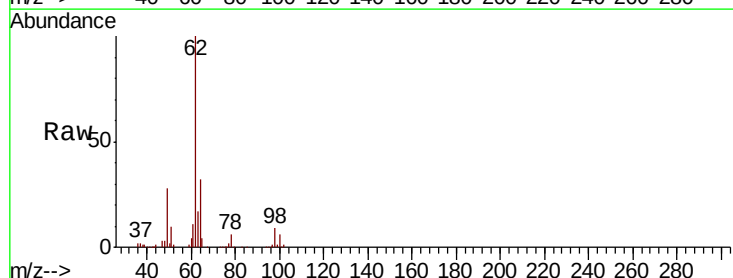
Acq: 27 Feb 2019 18:31

Tgt Ion: 62 Resp: 84922

Ion Ratio Lower Upper

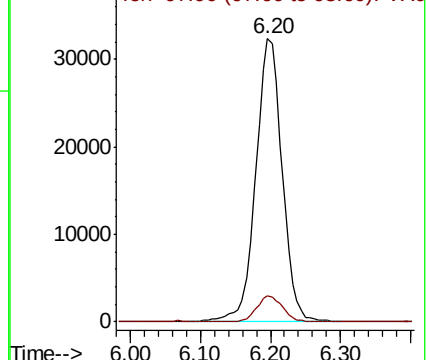
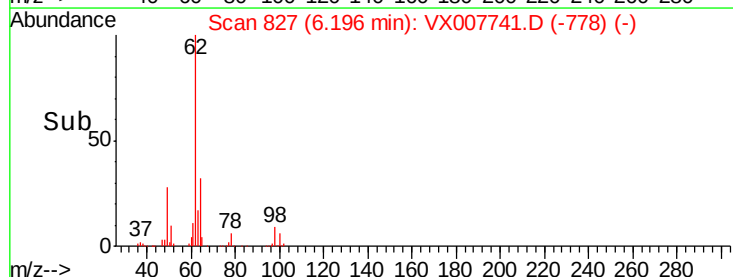
62 100

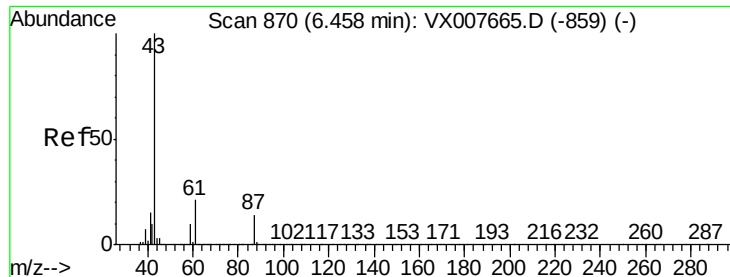
98 9.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



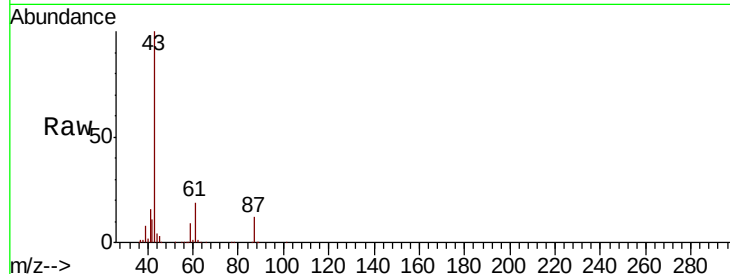


#43

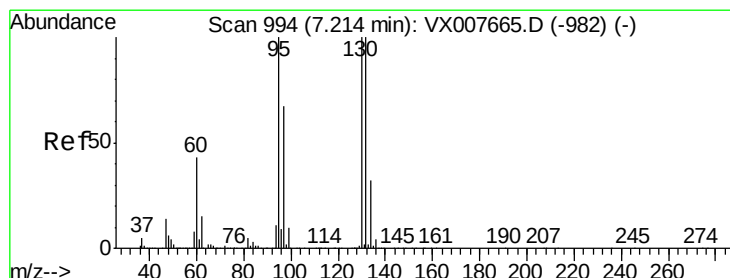
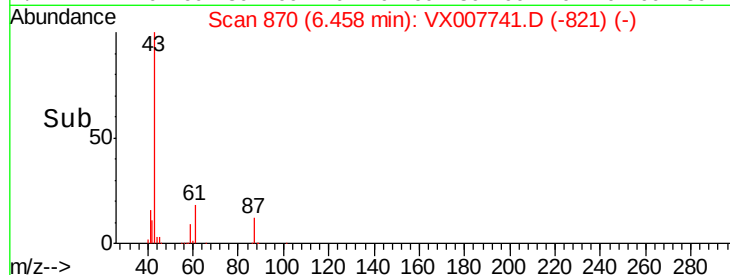
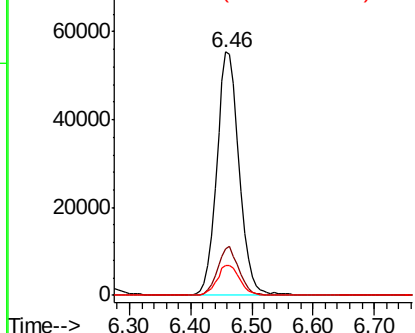
Isopropyl Acetate  
 Concen: 20.938 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Instrument :  
 MSVOA\_X  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.4  | 16.1  | 24.1  |
| 87      | 12.6  | 11.5  | 17.3  |



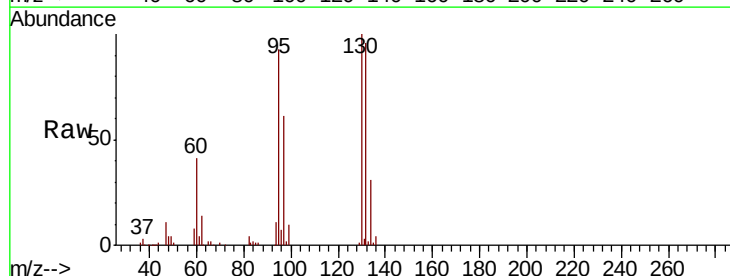
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



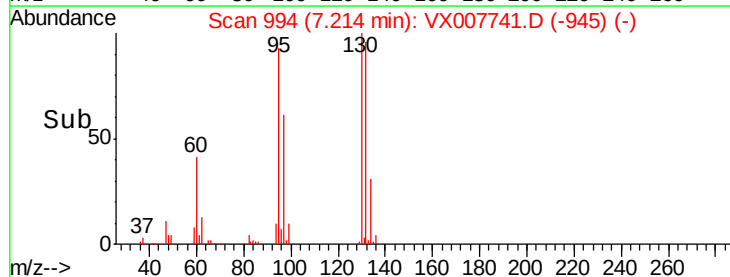
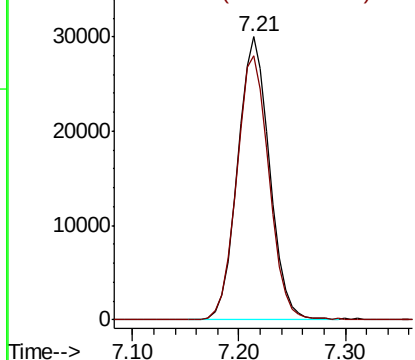
#44

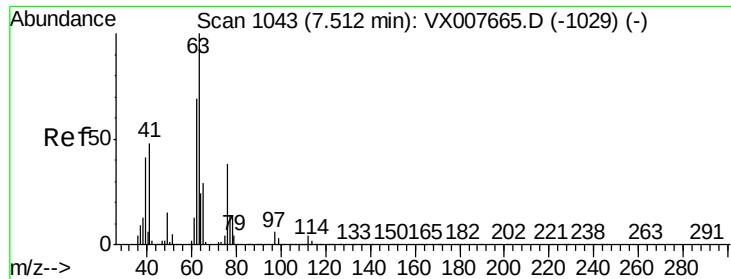
Trichloroethene  
 Concen: 18.937 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.2  | 0.0   | 180.0 |



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.927 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

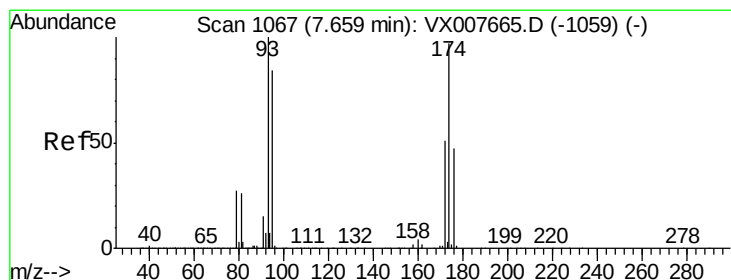
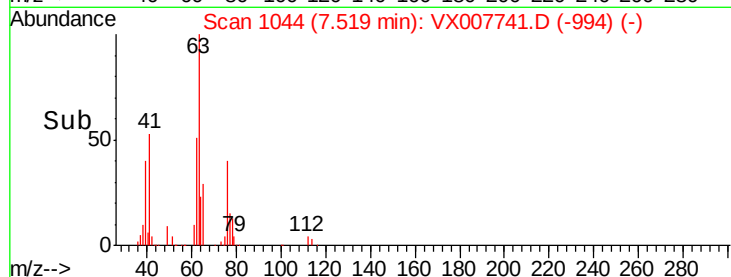
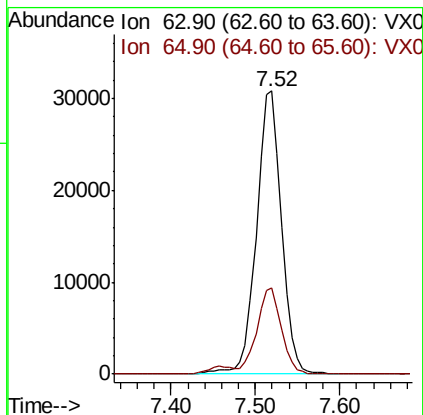
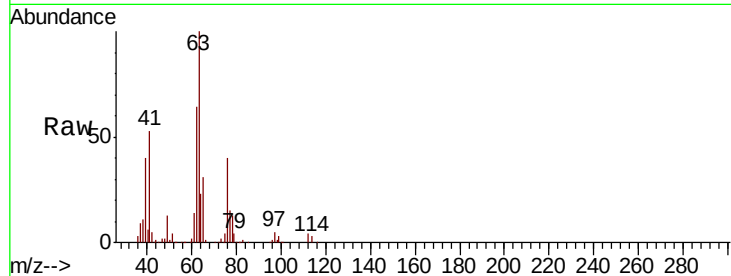
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 63 Resp: 62551

Ion Ratio Lower Upper

63 100

65 30.7 24.2 36.2



#46

Dibromomethane

Concen: 17.931 ug/l

RT: 7.67 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

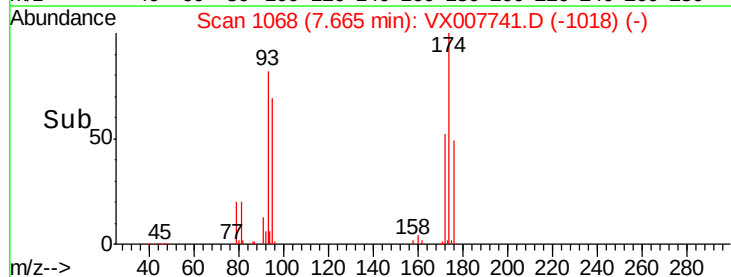
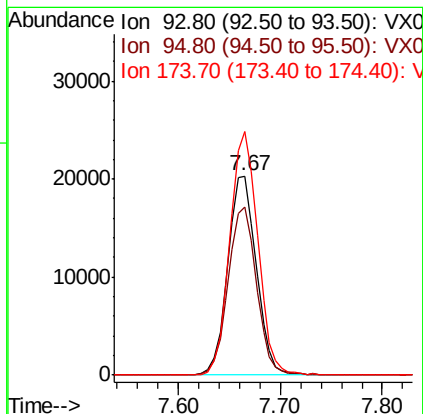
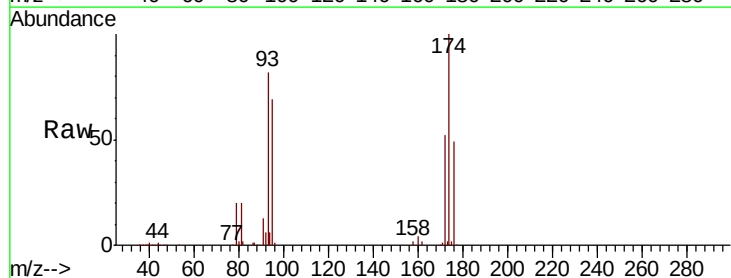
Tgt Ion: 93 Resp: 39266

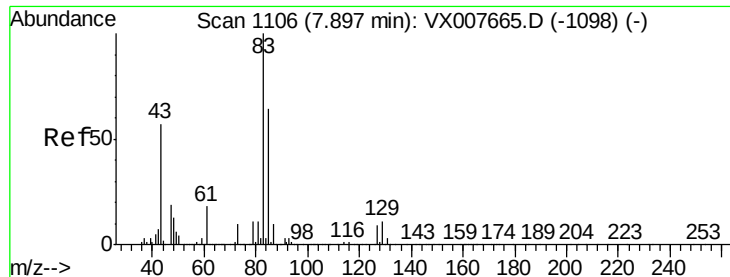
Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

174 119.6 94.2 141.4





#47

Bromodichloromethane

Concen: 18.343 ug/l

RT: 7.90 min Scan# 1106

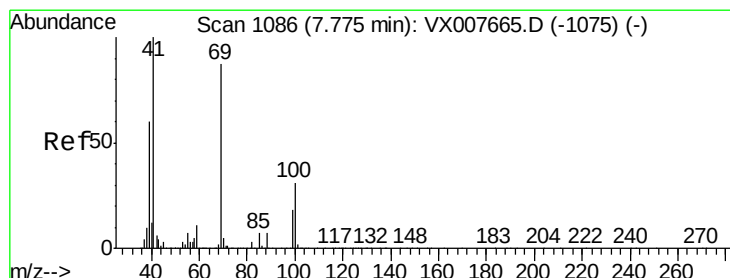
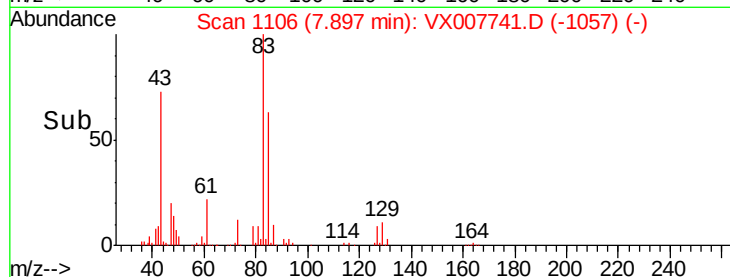
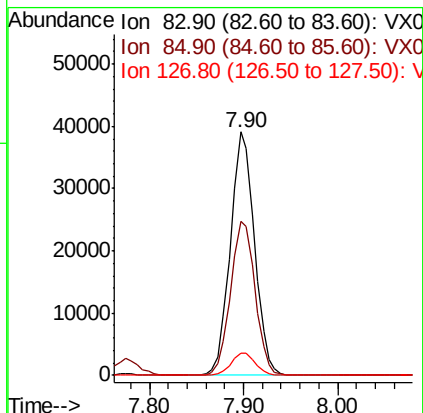
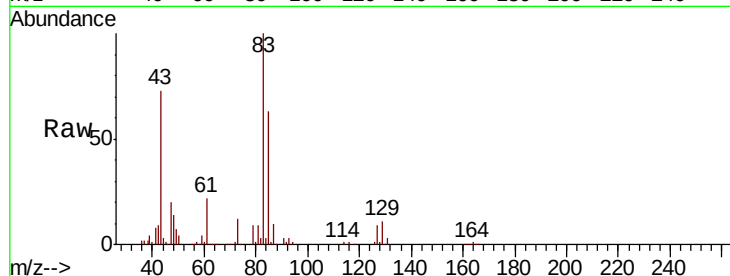
Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 69611 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.4  | 51.4  | 77.0  |
| 127      | 9.1   | 8.1   | 12.1  |



#48

Methyl methacrylate

Concen: 21.506 ug/l

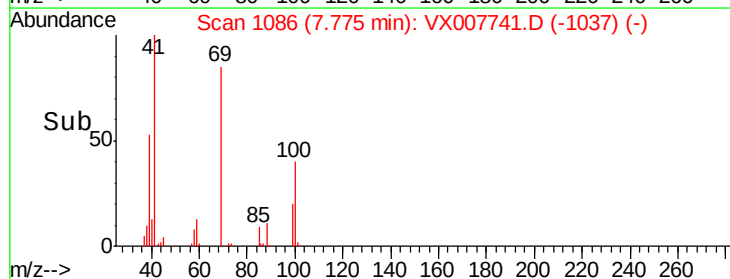
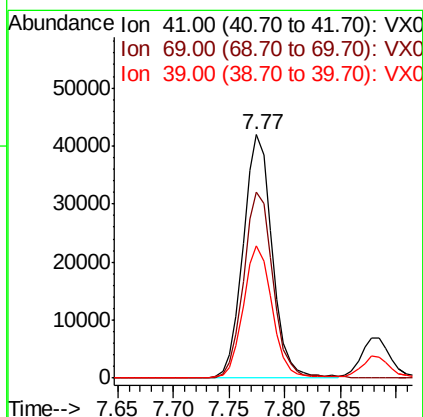
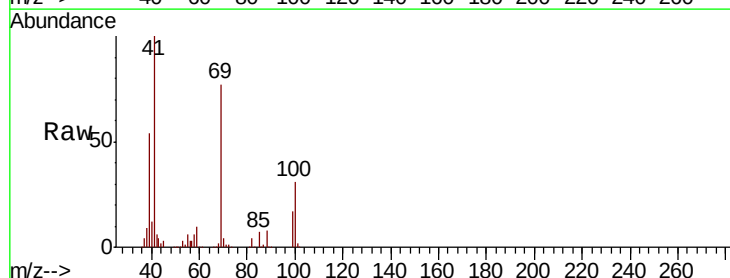
RT: 7.77 min Scan# 1086

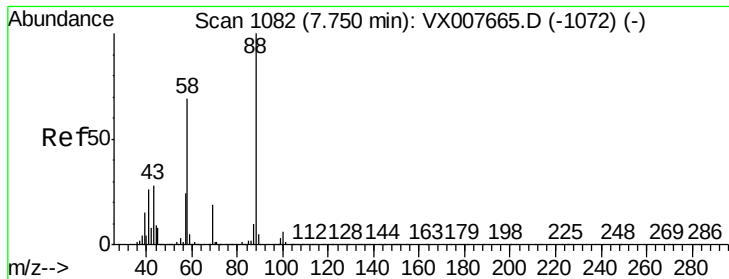
Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 75654 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 78.0  | 70.2  | 105.4 |
| 39       | 53.9  | 47.4  | 71.0  |





#49

1,4-Dioxane

Concen: 391.868 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

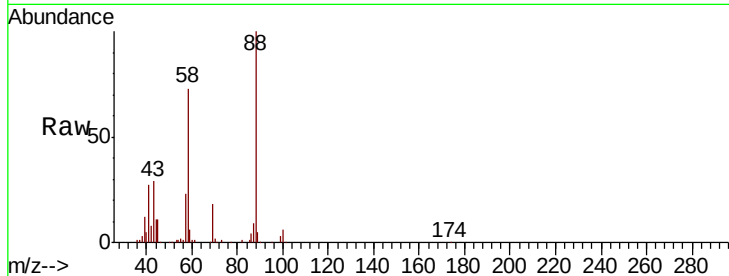
Tot Ion: 88 Resp: 29774

Ion Ratio Lower Upper

88 100

43 33.1 24.2 36.4

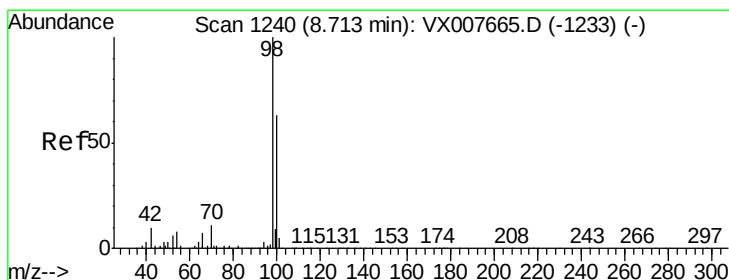
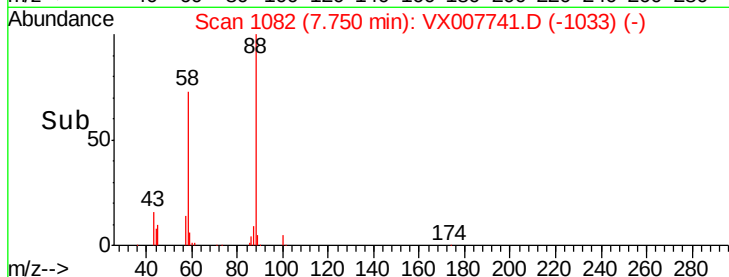
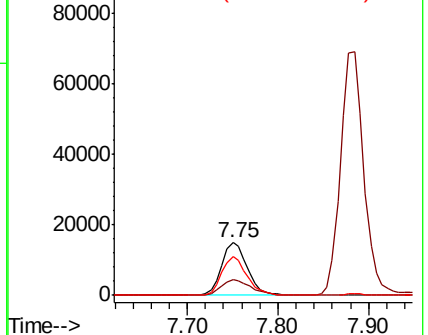
58 73.2 53.0 79.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.487 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007741.D

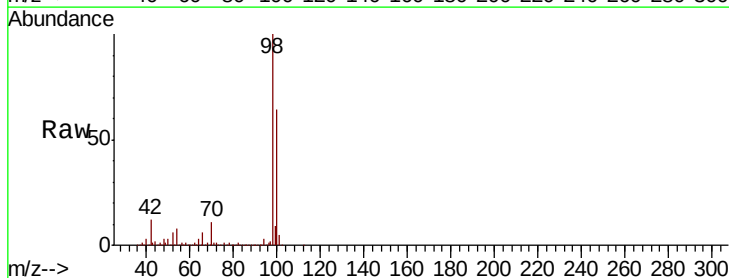
Acq: 27 Feb 2019 18:31

Tgt Ion: 98 Resp: 530625

Ion Ratio Lower Upper

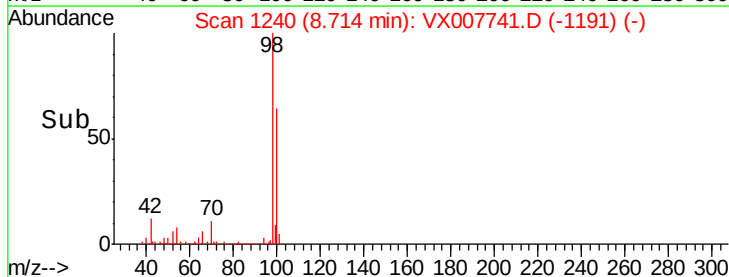
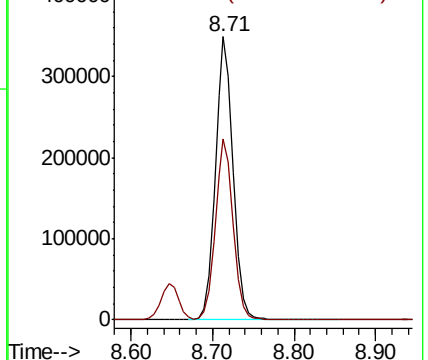
98 100

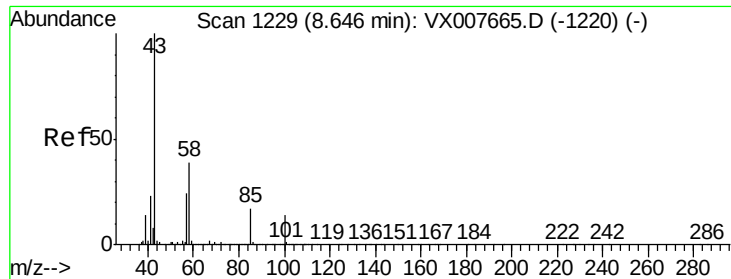
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

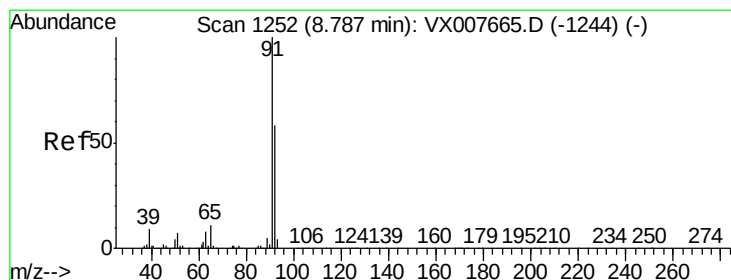
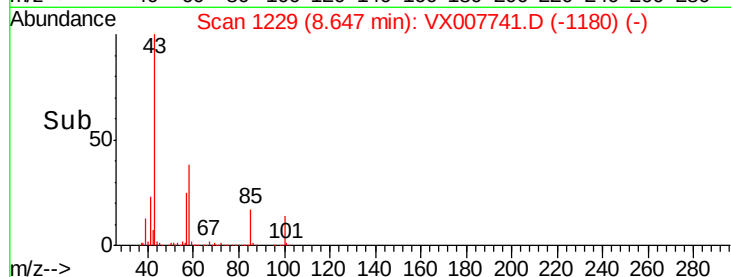
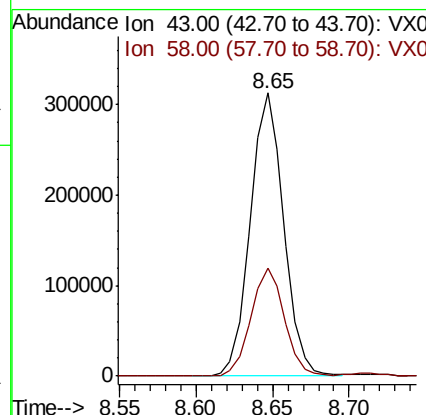
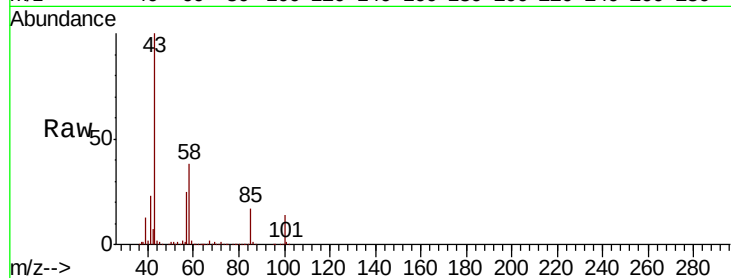




#51  
4-Methyl-2-Pentanone  
Concen: 105.819 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

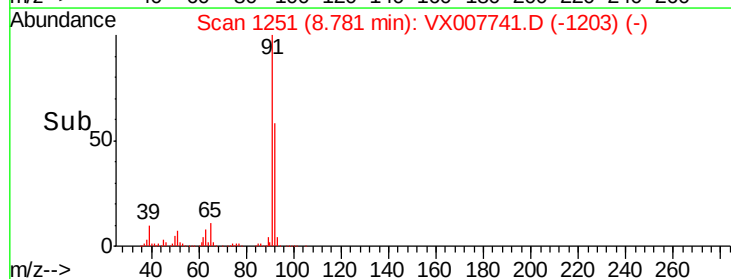
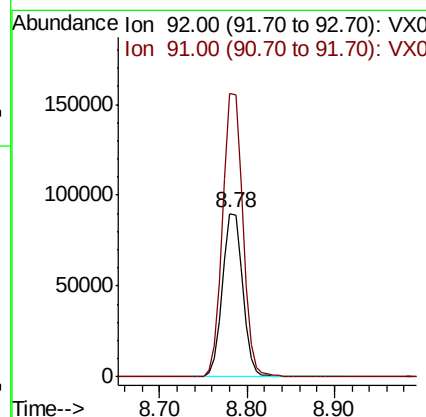
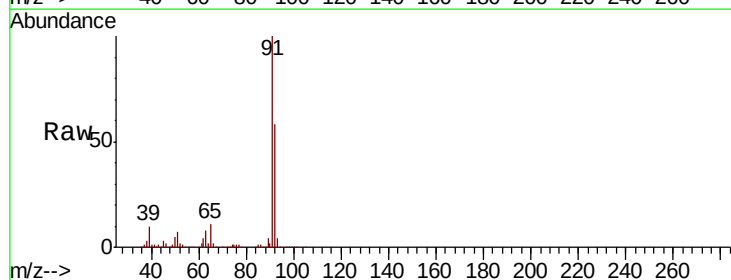
Instrument :  
MSVOA\_X  
ClientSampleId :

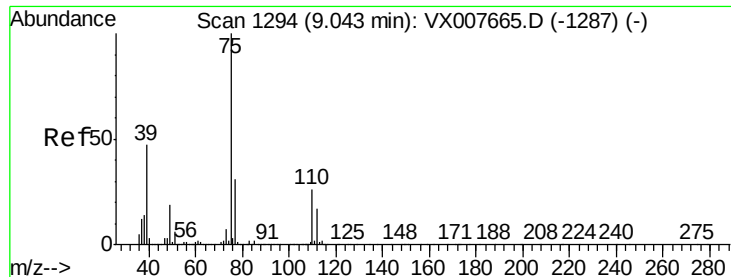
Tot Ion: 43 Resp: 475366  
Ion Ratio Lower Upper  
43 100  
58 38.1 31.2 46.8



#52  
Toluene  
Concen: 18.833 ug/l  
RT: 8.78 min Scan# 1251  
Delta R.T. -0.01 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion: 92 Resp: 143906  
Ion Ratio Lower Upper  
92 100  
91 174.1 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 17.744 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

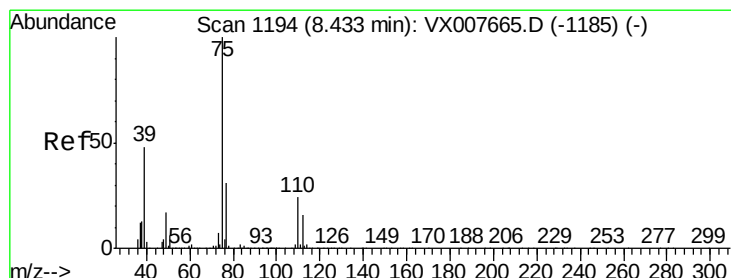
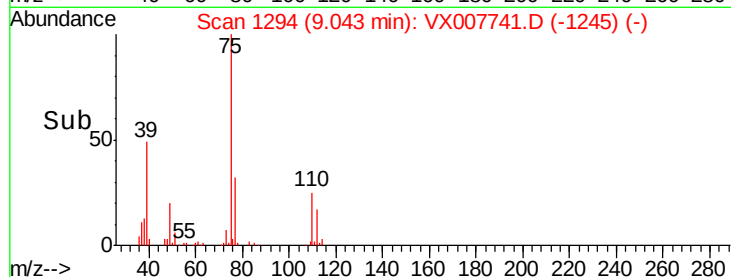
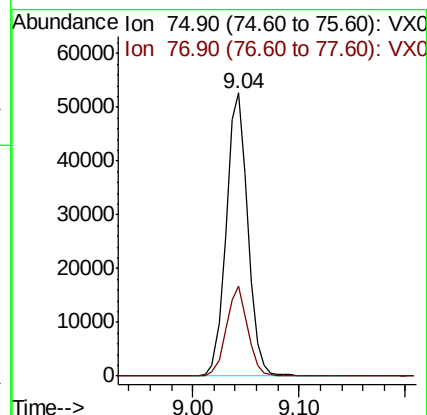
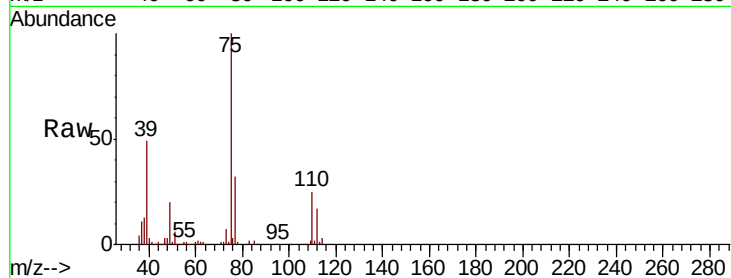
ClientSampleId :

Tot Ion: 75 Resp: 74678

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.456 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

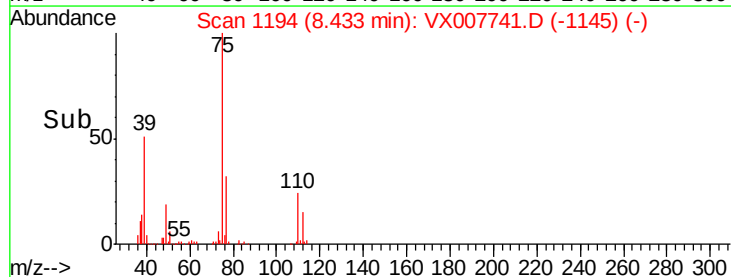
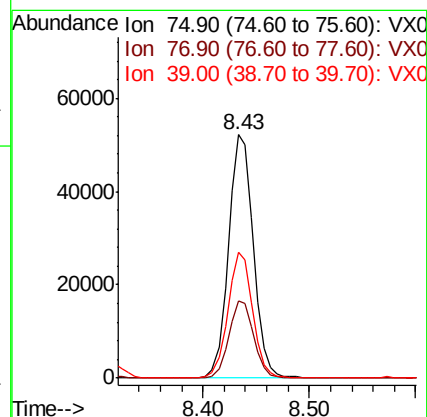
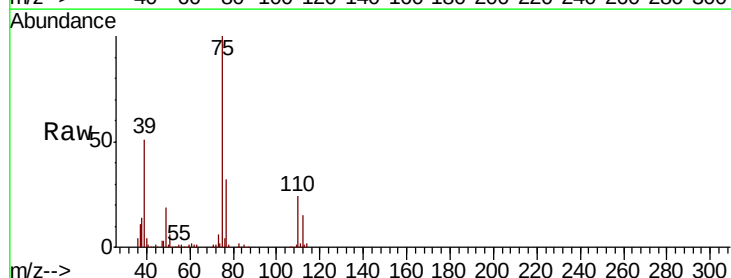
Tgt Ion: 75 Resp: 84997

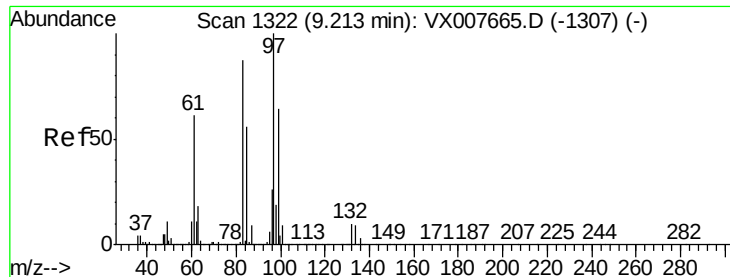
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4

39 51.3 37.1 55.7

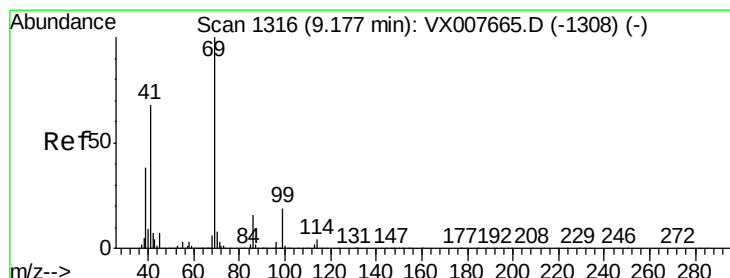
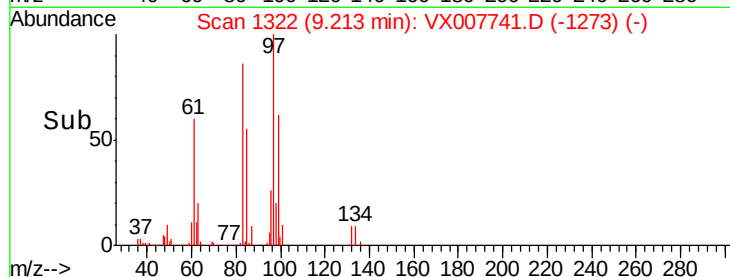
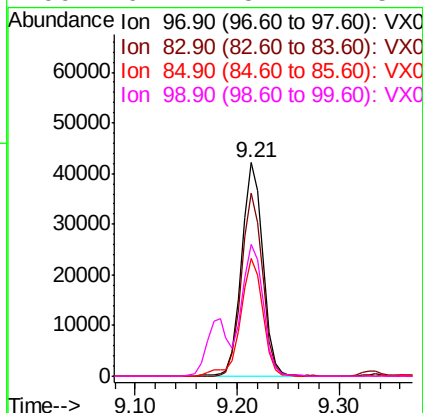
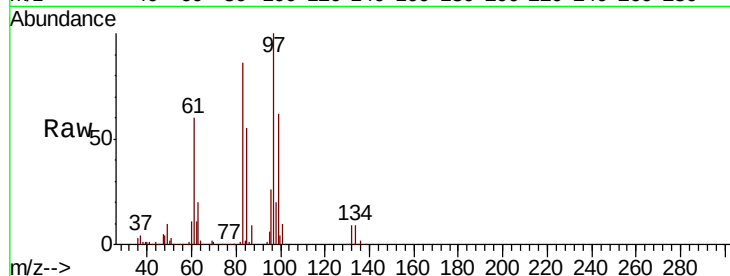




#55  
 1,1,2-Trichloroethane  
 Concen: 19.055 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

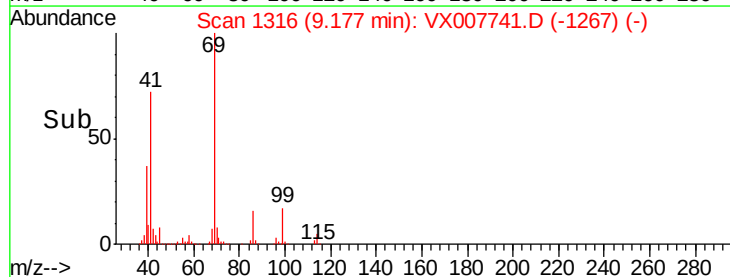
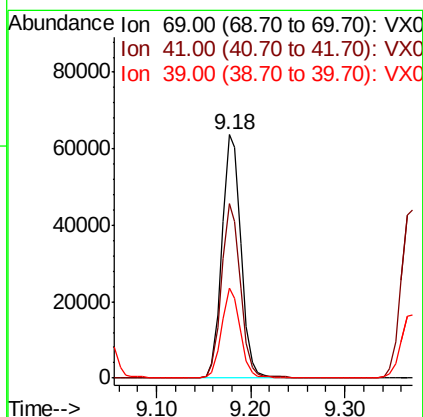
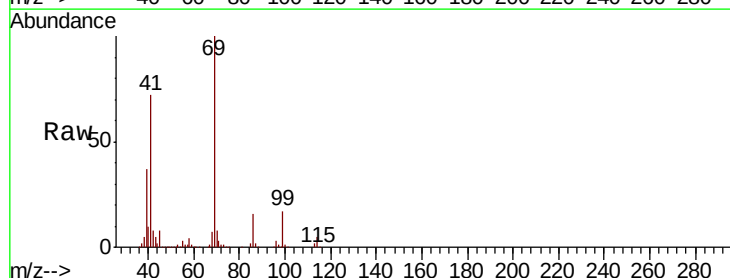
Instrument :  
 MSVOA\_X  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 60716 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.8  | 68.6  | 102.8 |
| 85       | 55.3  | 44.5  | 66.7  |
| 99       | 61.7  | 52.2  | 78.4  |

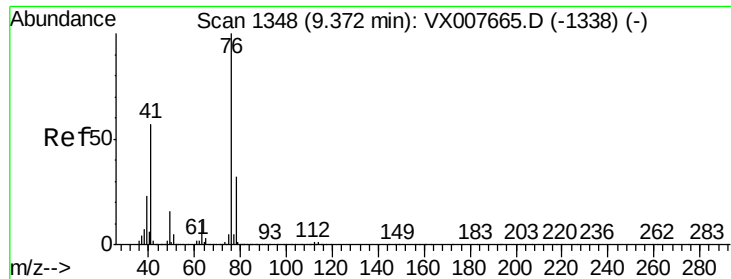


#56  
 Ethyl methacrylate  
 Concen: 19.666 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 89111 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 70.7  | 52.1  | 78.1  |
| 39       | 36.0  | 30.1  | 45.1  |







#57

1,3-Dichloropropane

Concen: 19.614 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

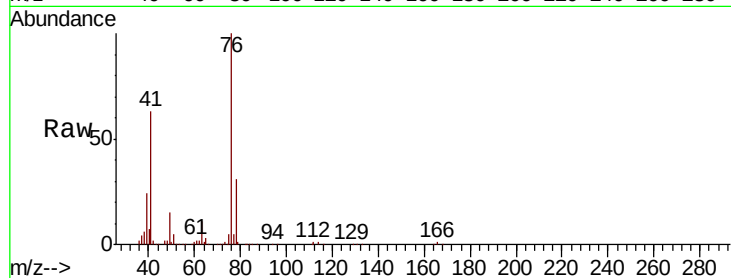
ClientSampled :

Tot Ion: 76 Resp: 100045

Ion Ratio Lower Upper

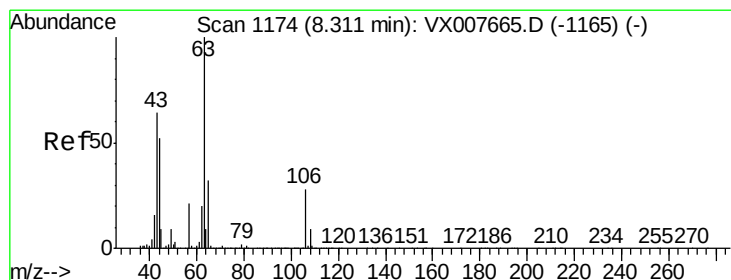
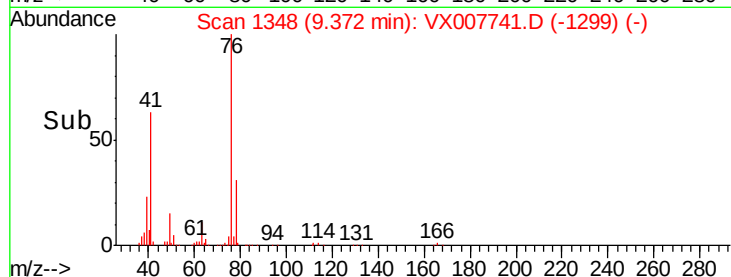
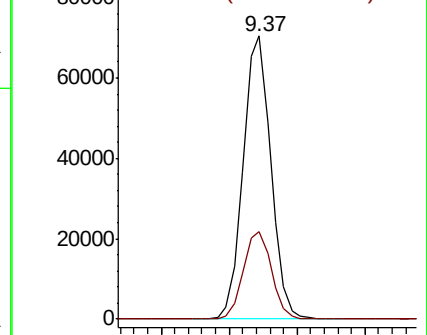
76 100

78 31.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.306 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007741.D

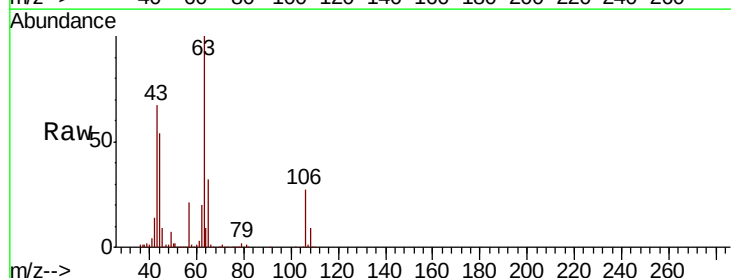
Acq: 27 Feb 2019 18:31

Tgt Ion: 63 Resp: 260640

Ion Ratio Lower Upper

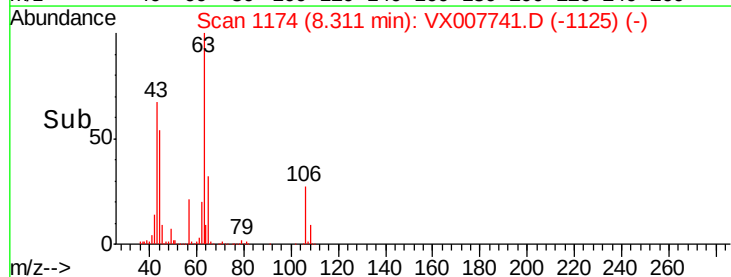
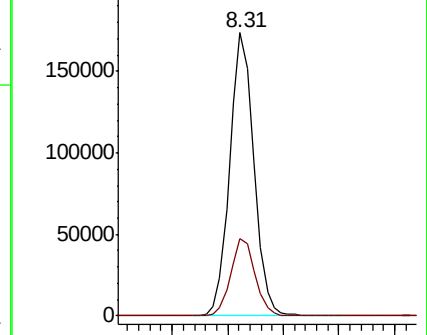
63 100

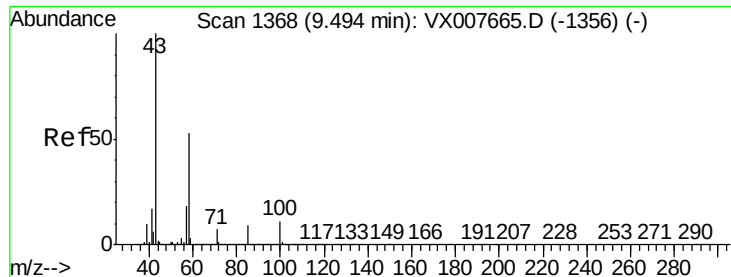
106 27.6 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

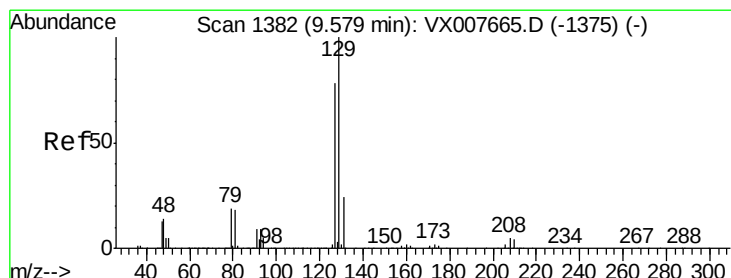
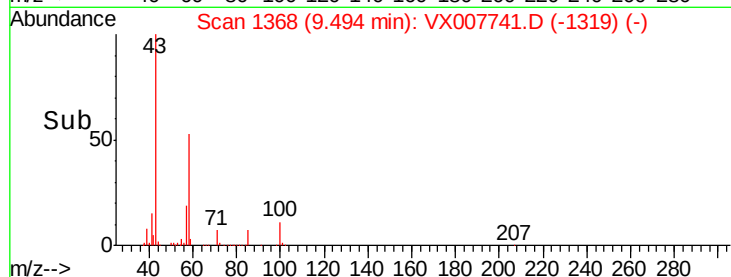
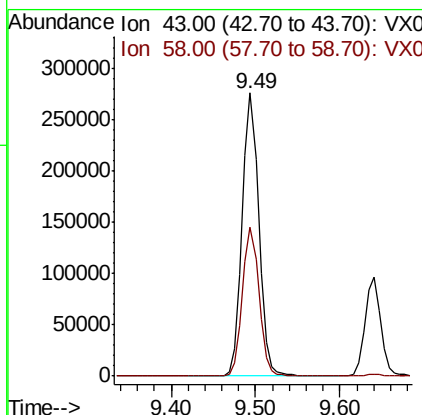
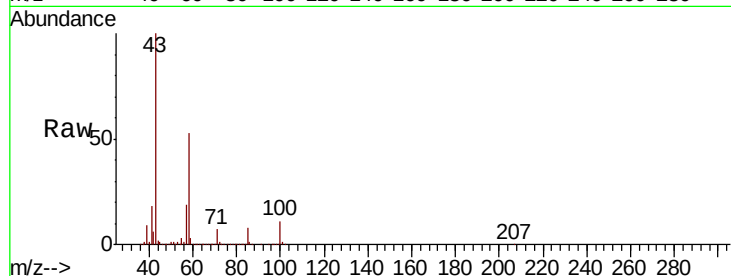




#59  
2-Hexanone  
Concen: 102.800 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

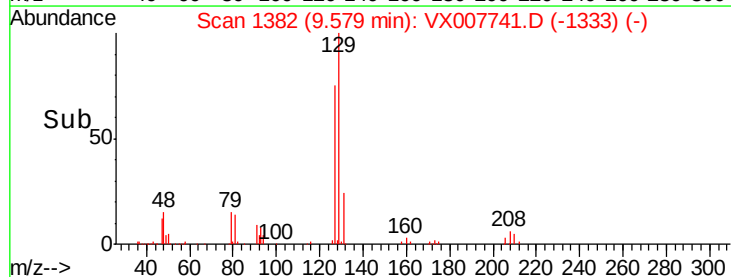
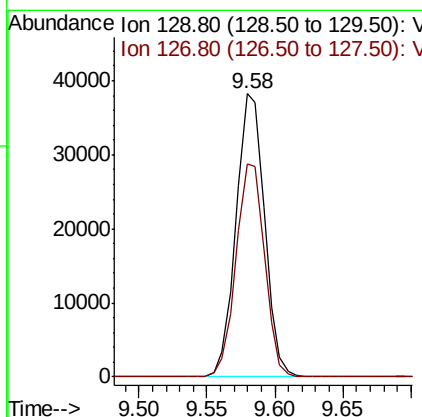
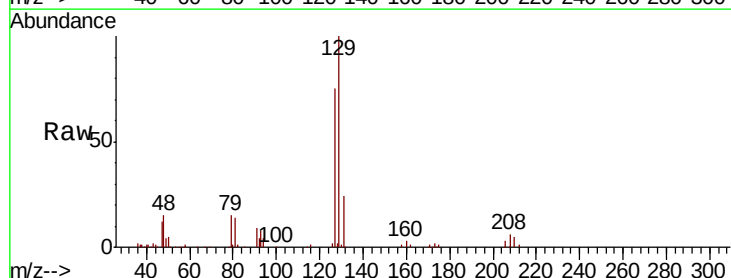
Instrument :  
MSVOA\_X  
ClientSampleId :

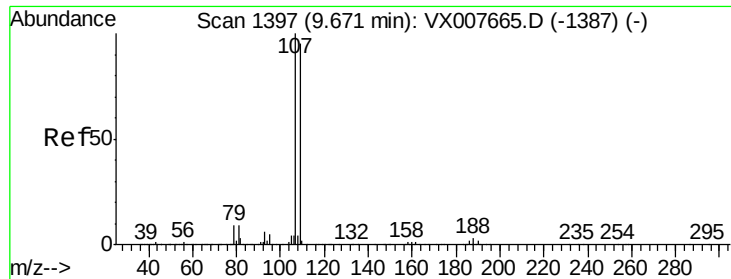
Tot Ion: 43 Resp: 362560  
Ion Ratio Lower Upper  
43 100  
58 52.8 27.1 81.3



#60  
Dibromochloromethane  
Concen: 18.243 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion: 129 Resp: 55933  
Ion Ratio Lower Upper  
129 100  
127 75.5 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.966 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

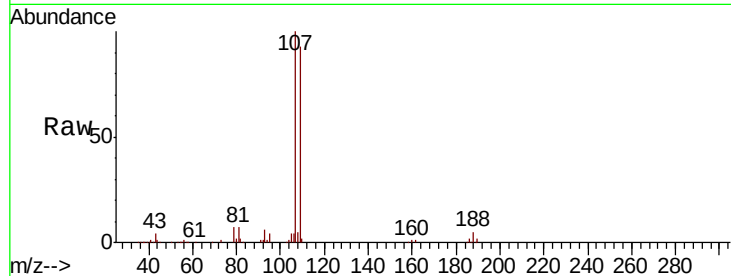
ClientSampled :

Tot Ion:107 Resp: 62747

Ion Ratio Lower Upper

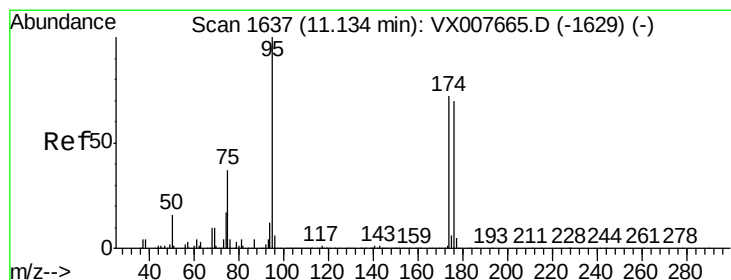
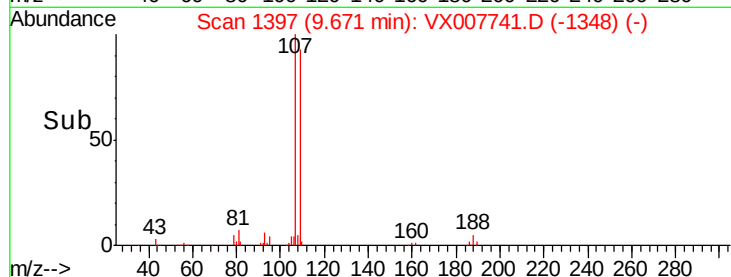
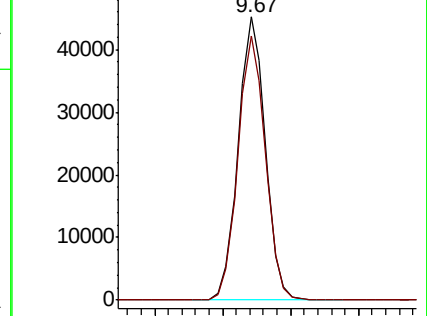
107 100

109 94.2 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.375 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

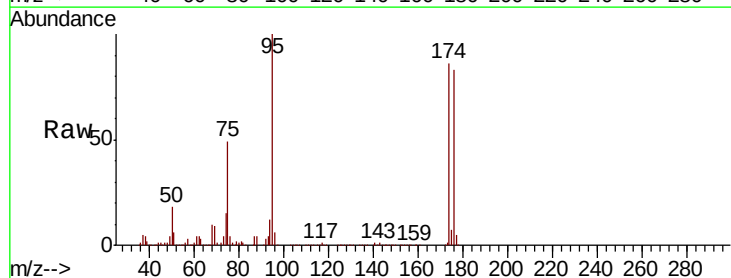
Tgt Ion: 95 Resp: 186093

Ion Ratio Lower Upper

95 100

174 92.4 0.0 189.2

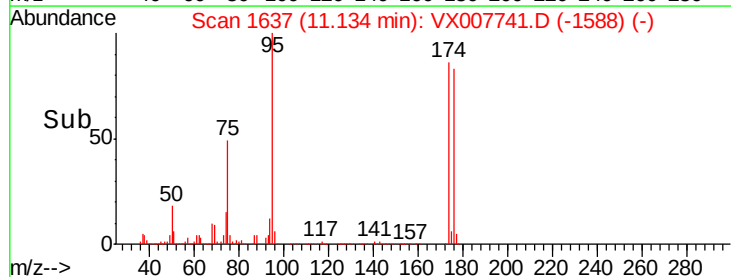
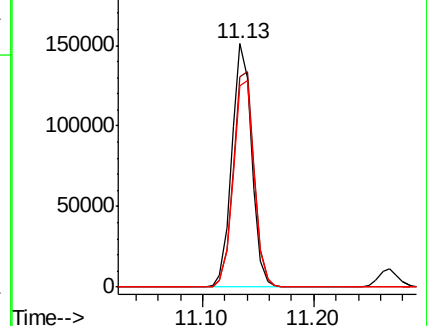
176 88.8 0.0 186.2

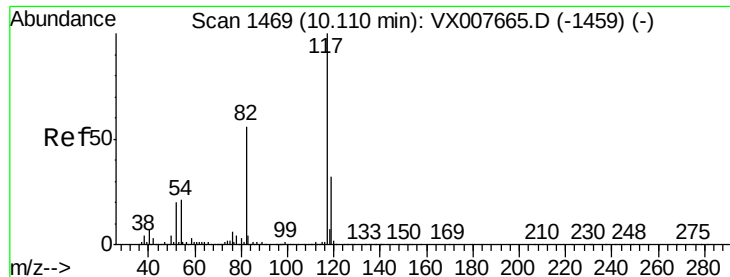


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

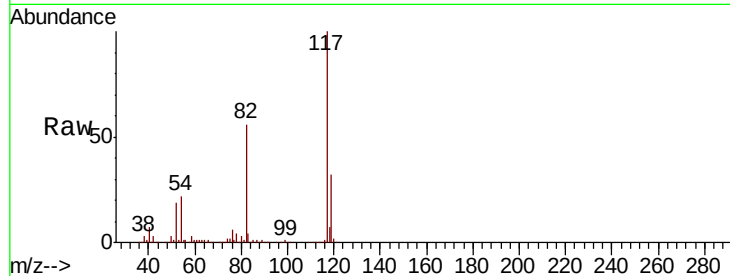




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.8  | 42.1  | 63.1  |
| 119     | 32.1  | 26.5  | 39.7  |

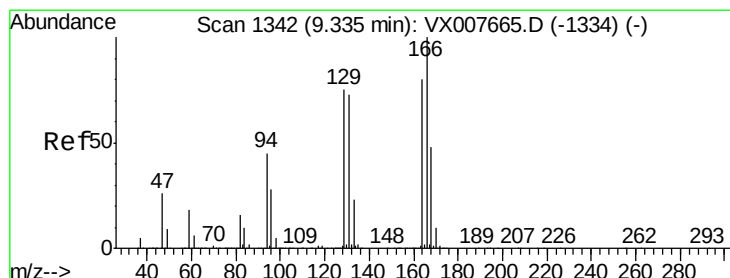
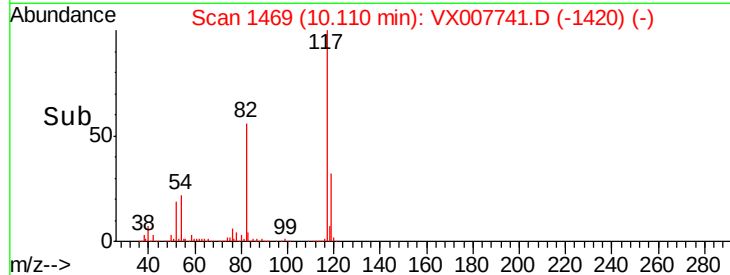
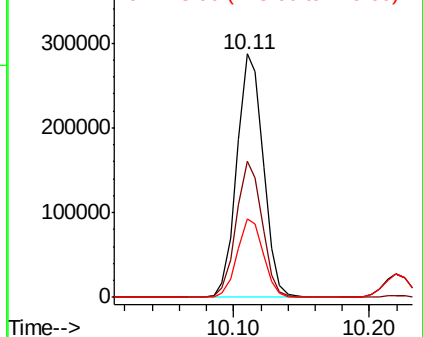


Abundance

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



#64  
Tetrachloroethene  
Concen: 20.630 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 133.7 | 101.0 | 151.4 |
| 129     | 89.8  | 70.5  | 105.7 |
| 131     | 88.7  | 69.8  | 104.6 |

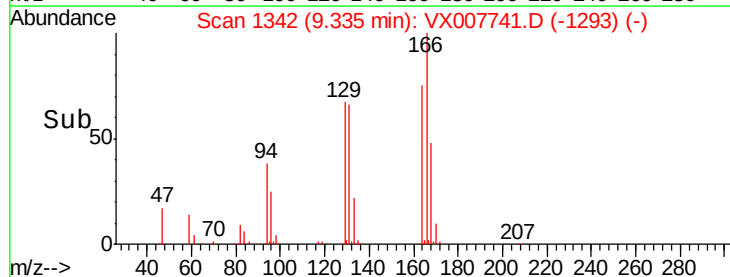
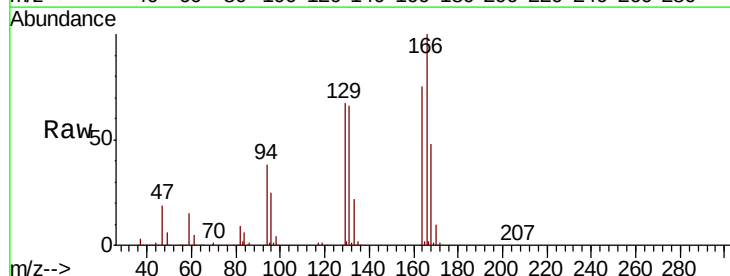
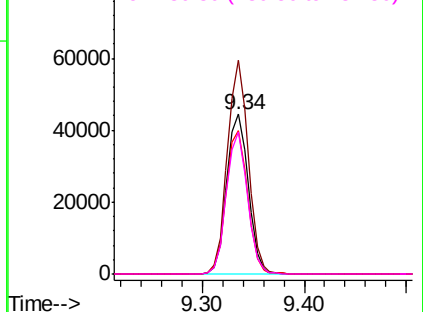
Abundance

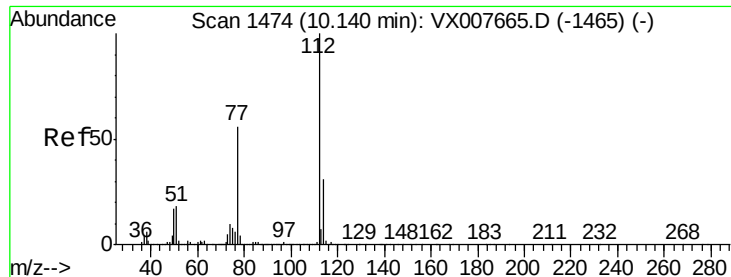
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.889 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

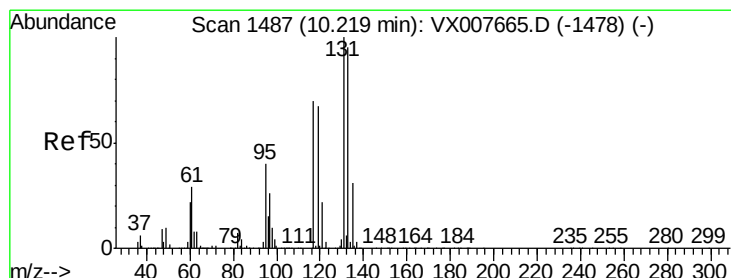
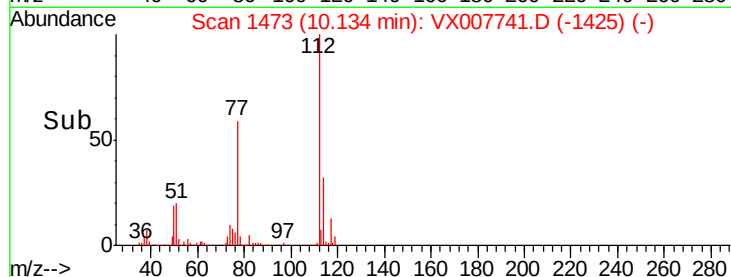
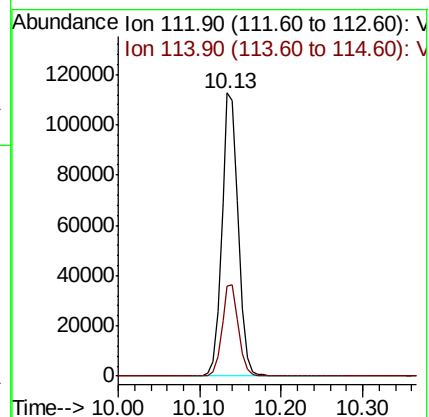
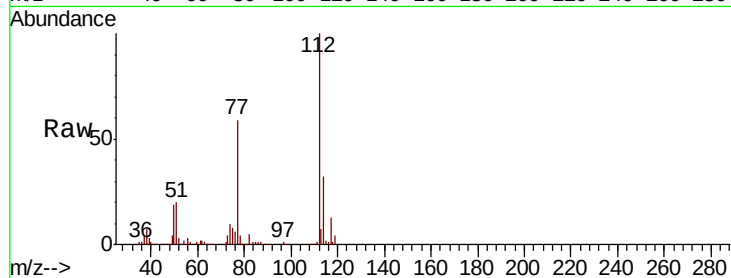
ClientSampleId :

Tot Ion:112 Resp: 158689

Ion Ratio Lower Upper

112 100

114 31.8 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 19.119 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

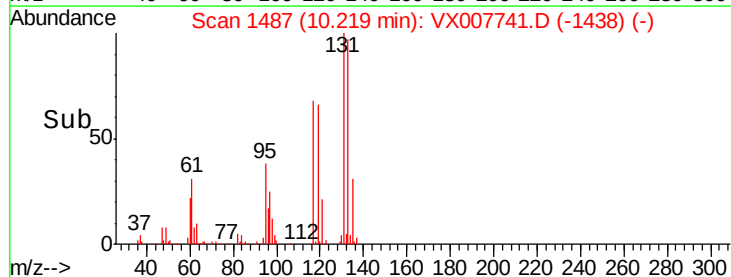
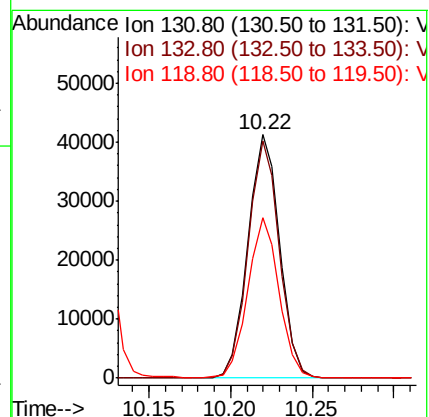
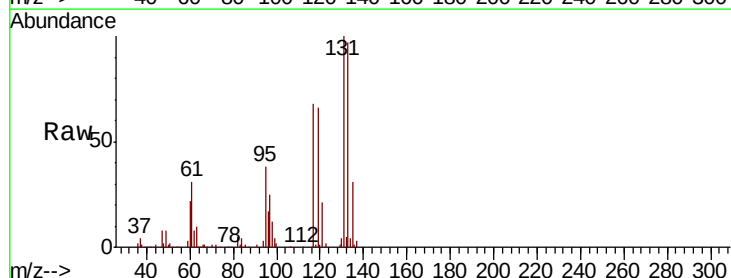
Tgt Ion:131 Resp: 56026

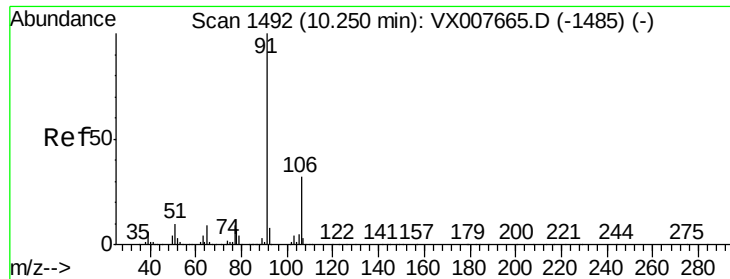
Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.2

119 65.2 32.0 96.0

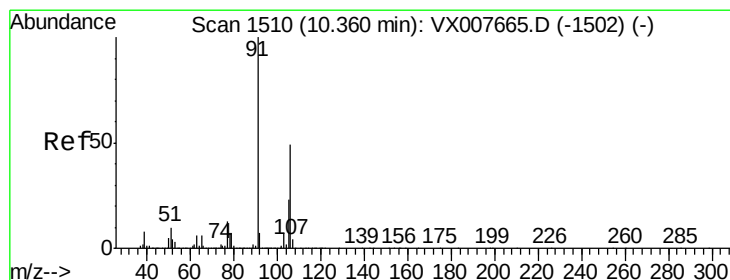
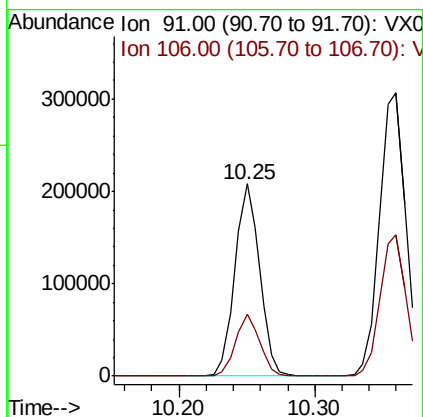
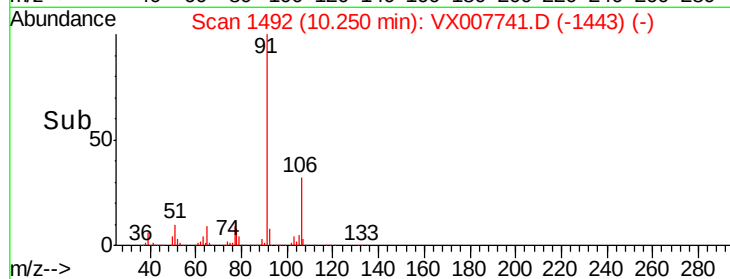
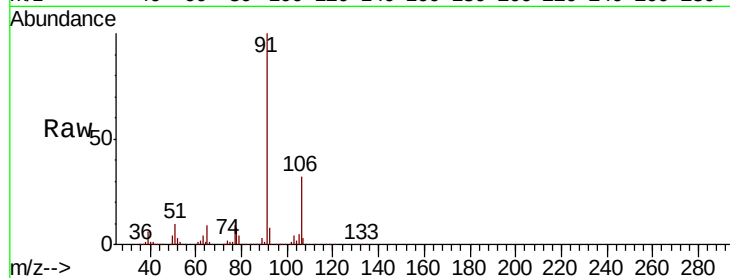




#67  
Ethyl Benzene  
Concen: 18.992 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

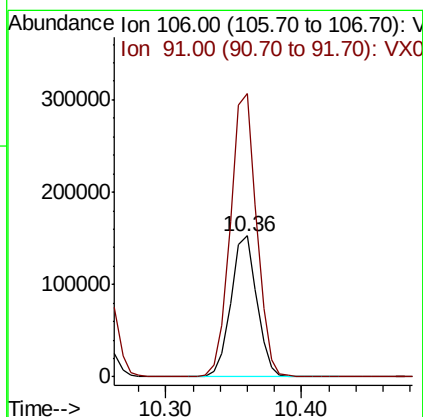
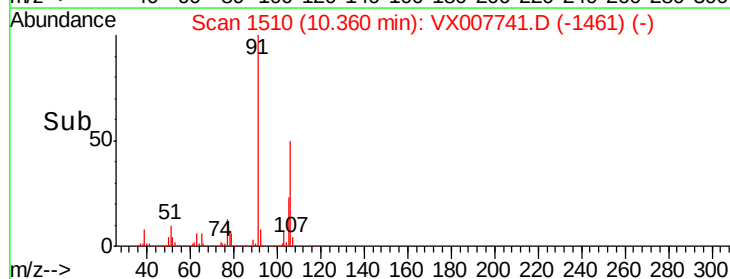
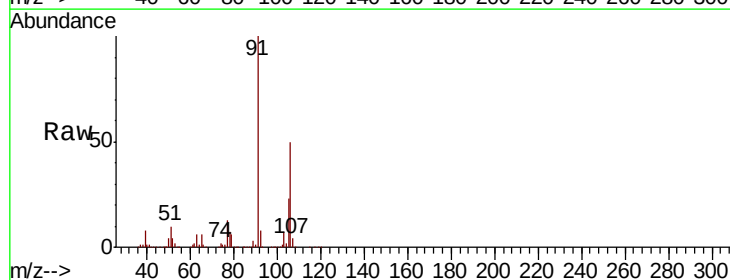
Instrument :  
MSVOA\_X  
ClientSampleId :

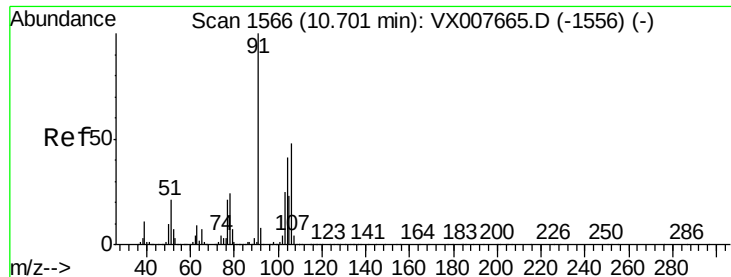
Tot Ion: 91 Resp: 264300  
Ion Ratio Lower Upper  
91 100  
106 32.1 25.4 38.0



#68  
m/p-Xylenes  
Concen: 37.451 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion: 106 Resp: 202762  
Ion Ratio Lower Upper  
106 100  
91 203.2 156.6 234.8

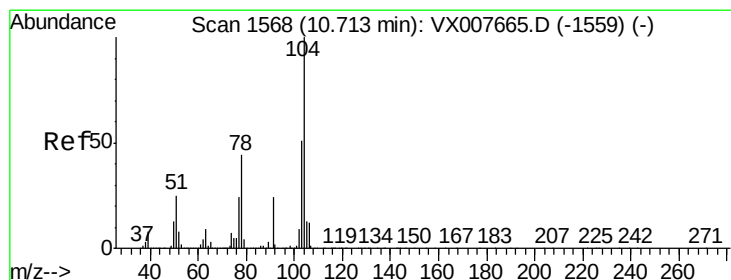
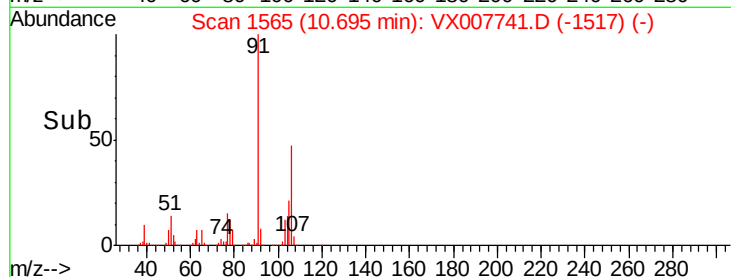
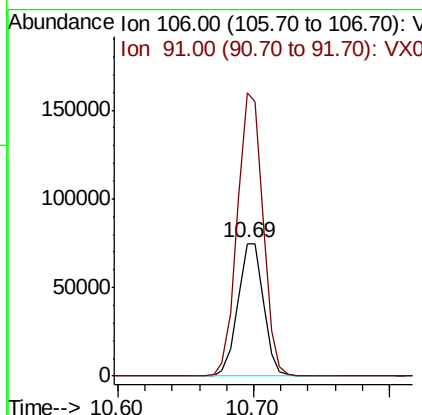
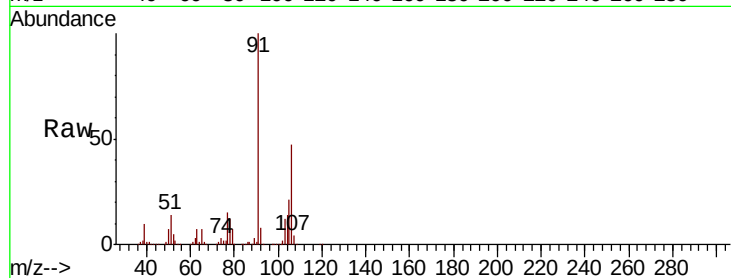




#69  
o-Xylene  
Concen: 18.897 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

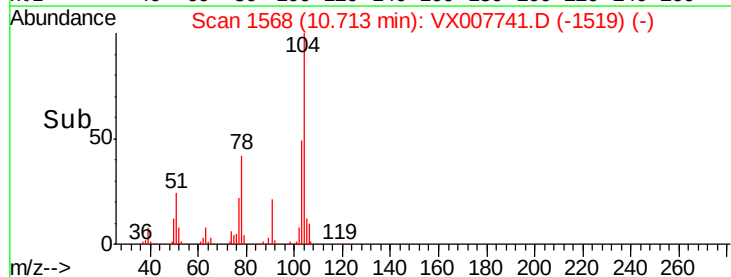
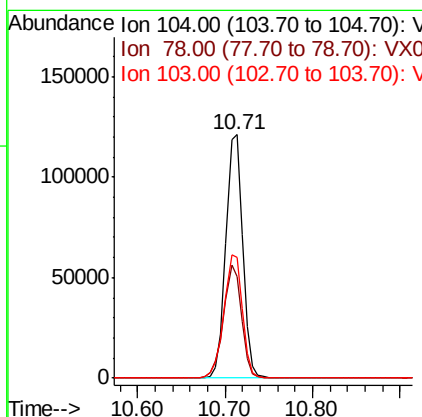
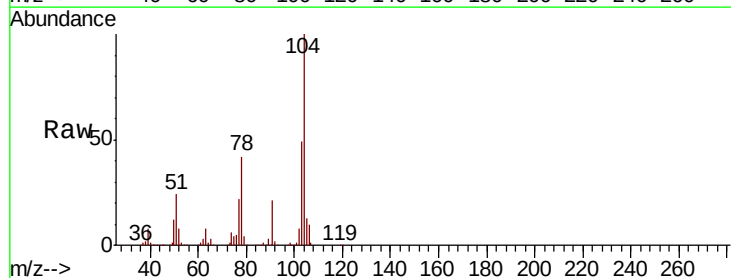
Instrument :  
MSVOA\_X  
ClientSampleId :

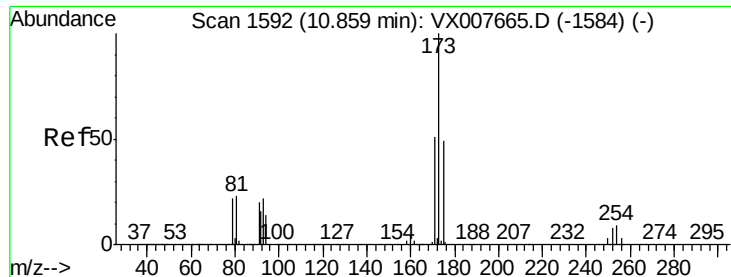
Tot Ion:106 Resp: 98409  
Ion Ratio Lower Upper  
106 100  
91 214.2 102.9 308.7



#70  
Styrene  
Concen: 19.002 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion:104 Resp: 162651  
Ion Ratio Lower Upper  
104 100  
78 49.2 38.3 57.5  
103 54.8 44.6 67.0





#71

Bromoform

Concen: 18.717 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

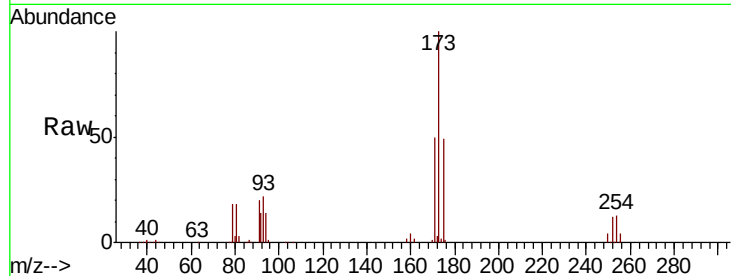
Tot Ion:173 Resp: 41131

Ion Ratio Lower Upper

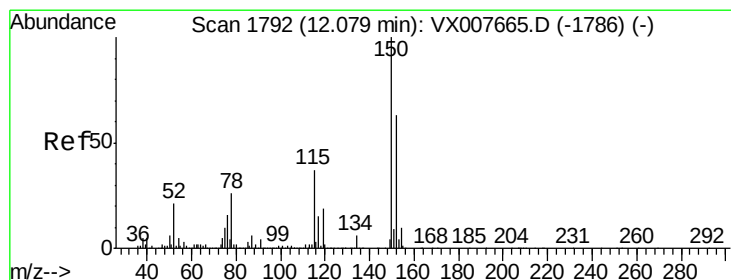
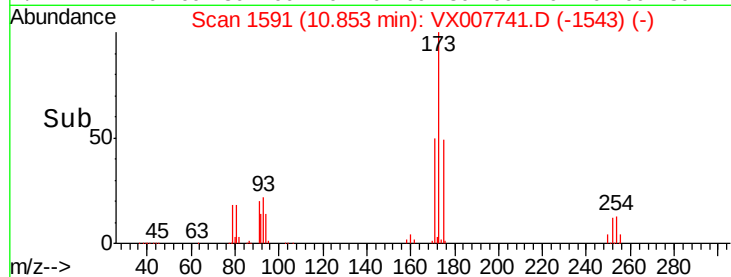
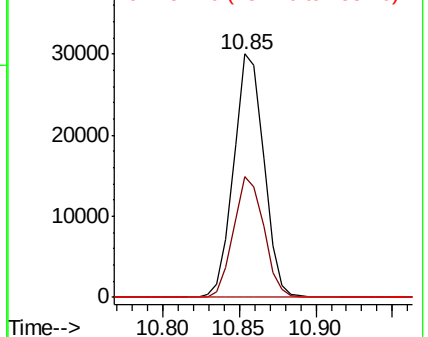
173 100

175 49.6 24.2 72.6

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

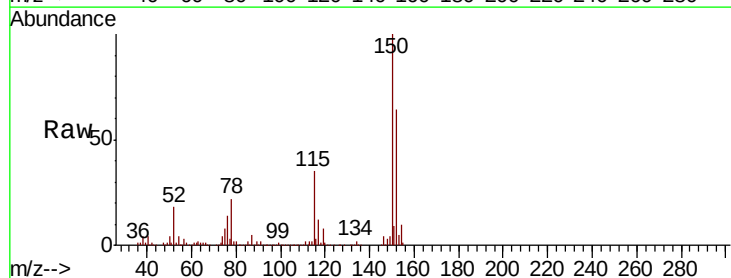
Tgt Ion:152 Resp: 197357

Ion Ratio Lower Upper

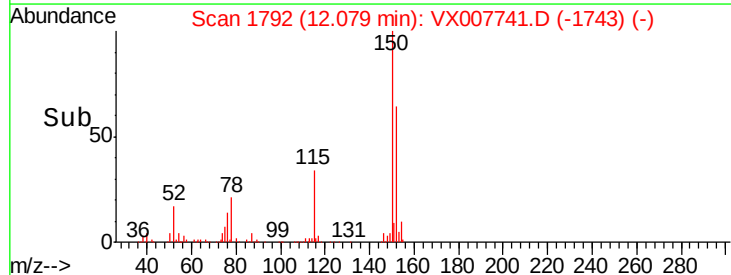
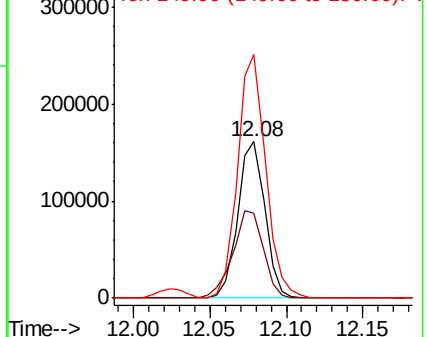
152 100

115 63.5 38.0 114.0

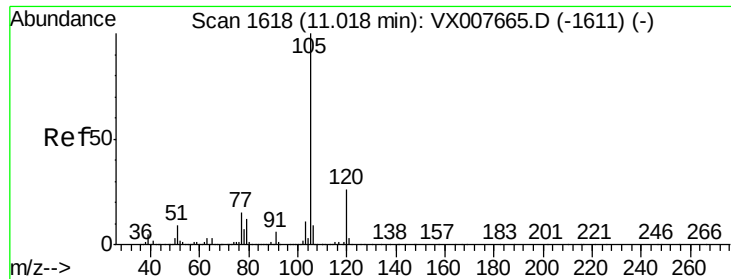
150 161.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 18.679 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

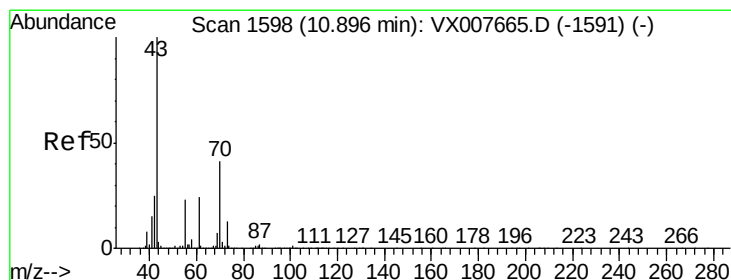
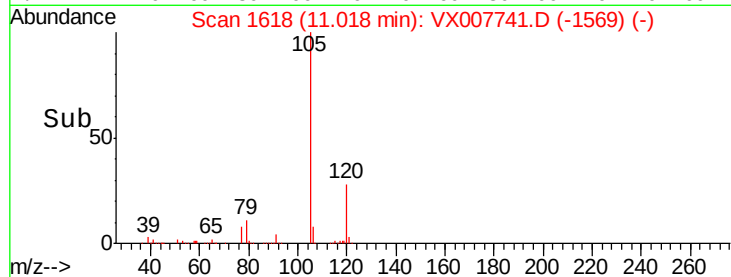
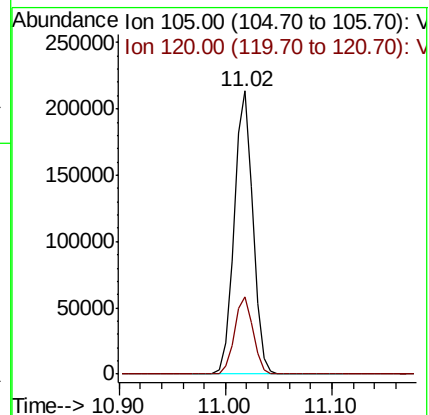
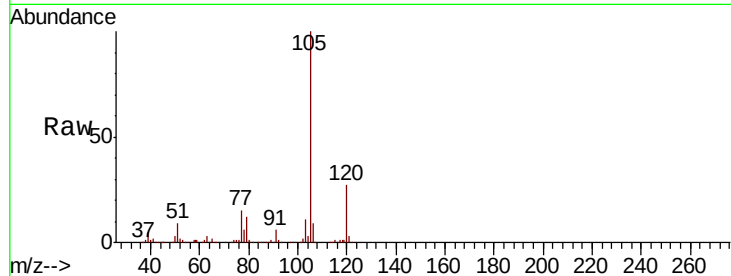
ClientSampleId :

Tot Ion:105 Resp: 263473

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 19.545 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Tgt Ion: 43 Resp: 119718

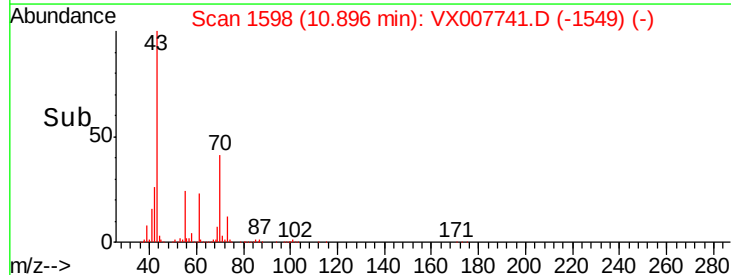
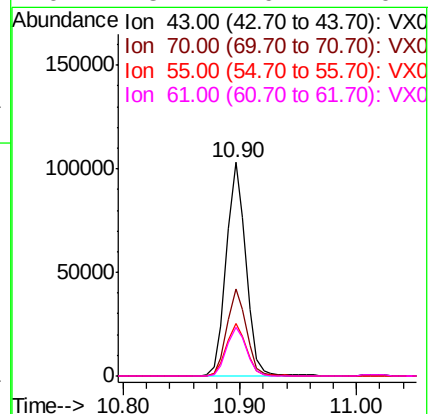
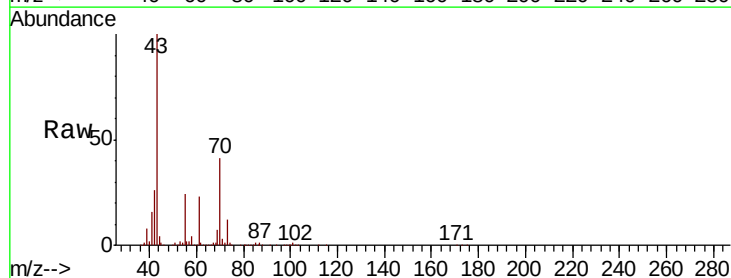
Ion Ratio Lower Upper

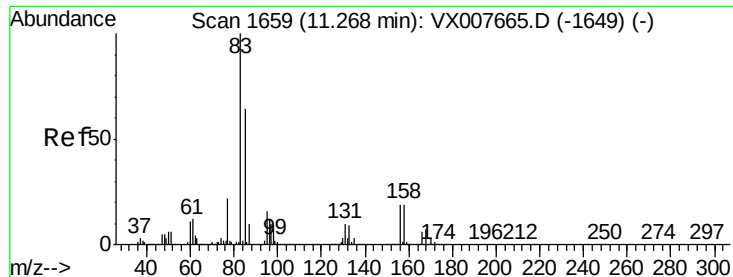
43 100

70 40.7 33.8 50.6

55 25.5 19.5 29.3

61 23.2 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.228 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

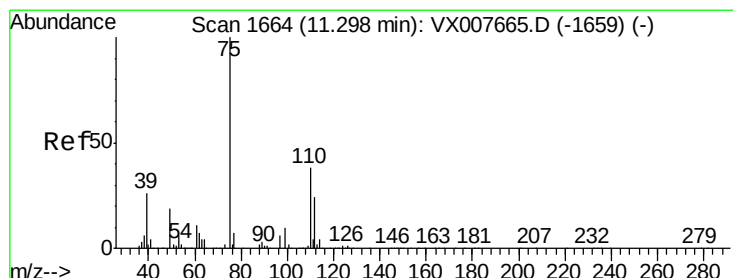
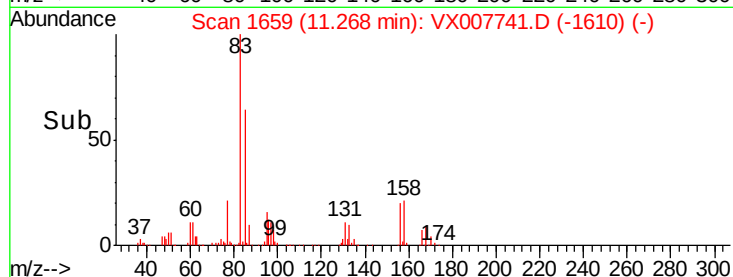
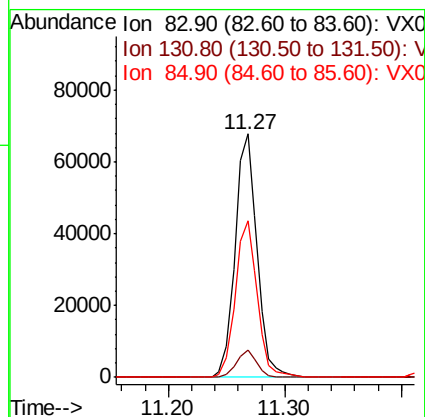
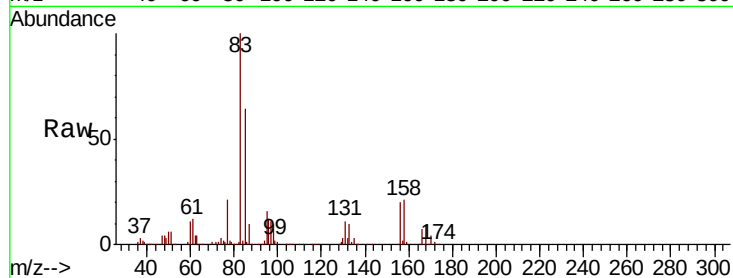
Tot Ion: 83 Resp: 88925

Ion Ratio Lower Upper

83 100

131 10.5 5.7 17.0

85 64.3 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 23.688 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007741.D

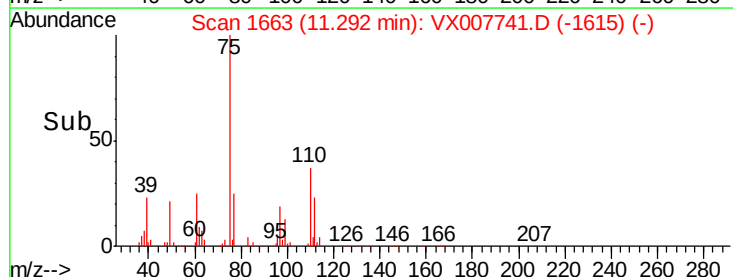
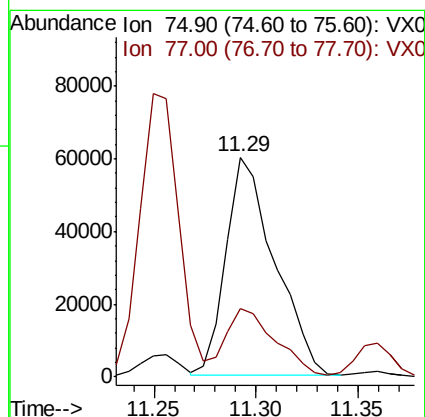
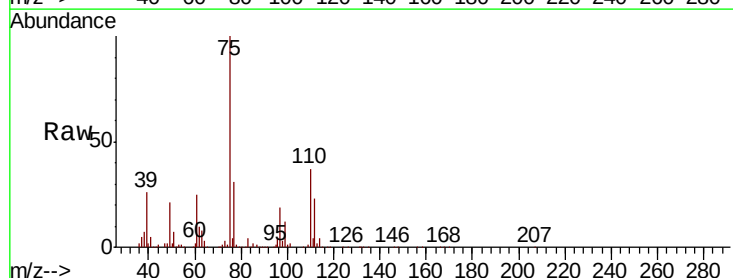
Acq: 27 Feb 2019 18:31

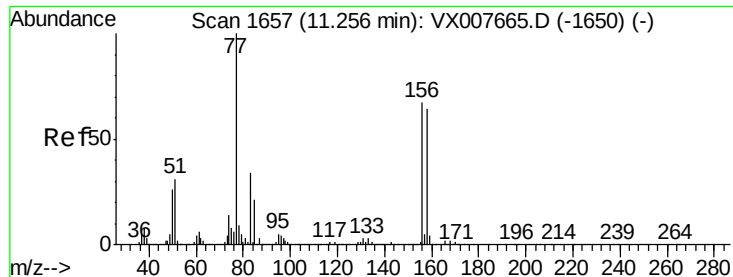
Tgt Ion: 75 Resp: 99650

Ion Ratio Lower Upper

75 100

77 32.6 23.0 69.0





#77

Bromobenzene

Concen: 20.050 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

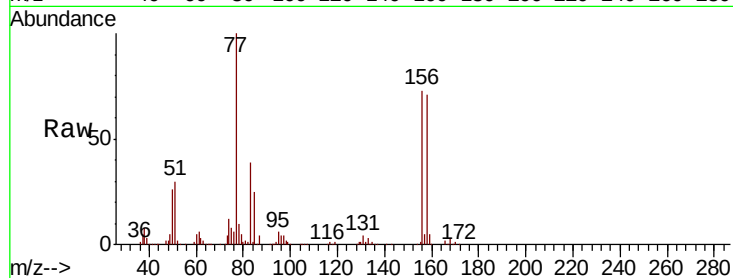
Tot Ion:156 Resp: 70936

Ion Ratio Lower Upper

156 100

77 145.7 66.8 200.6

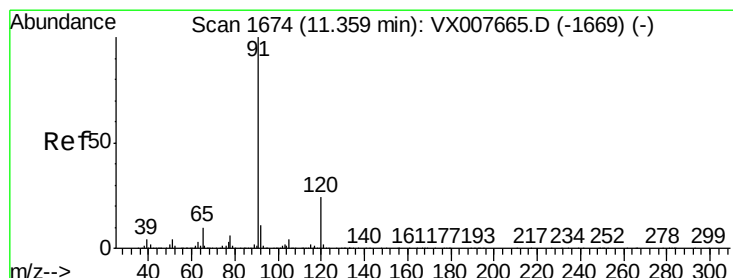
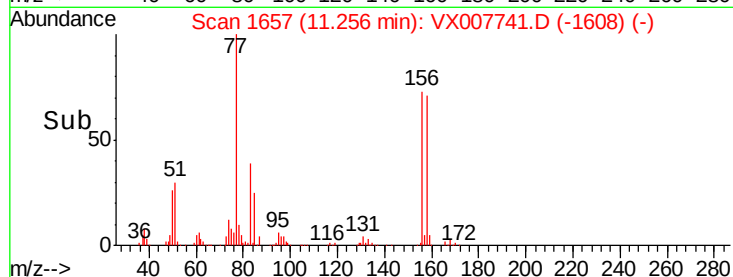
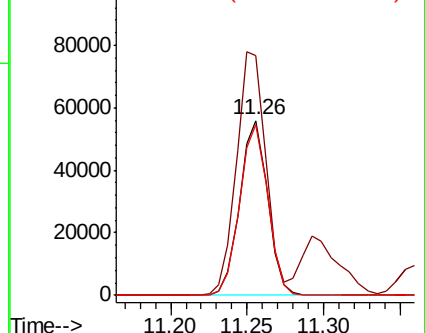
158 98.3 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.403 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007741.D

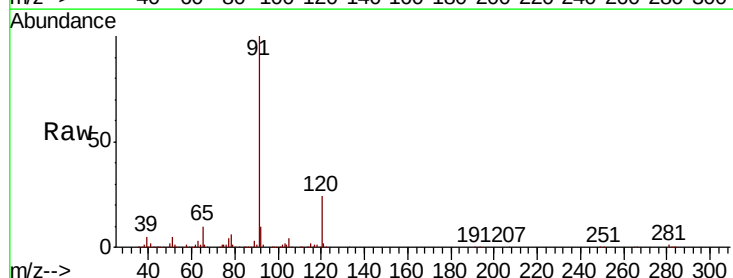
Acq: 27 Feb 2019 18:31

Tgt Ion: 91 Resp: 293326

Ion Ratio Lower Upper

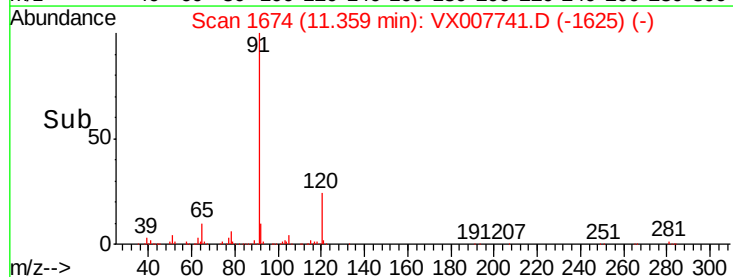
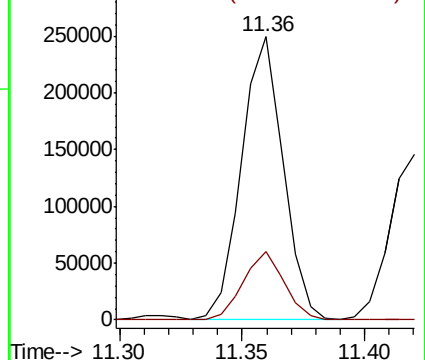
91 100

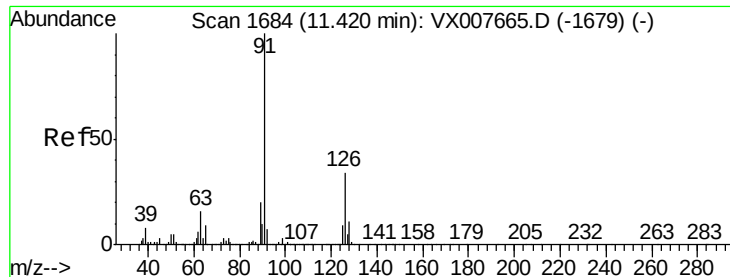
120 23.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

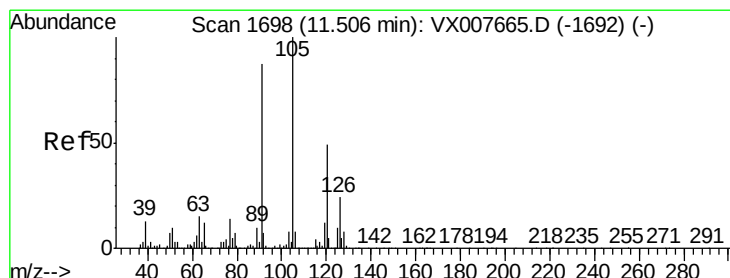
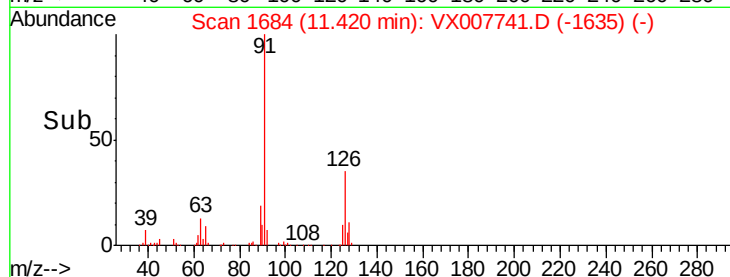
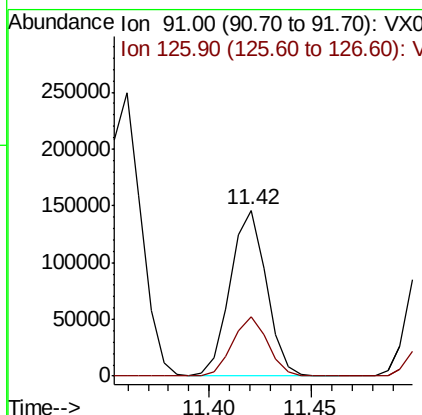
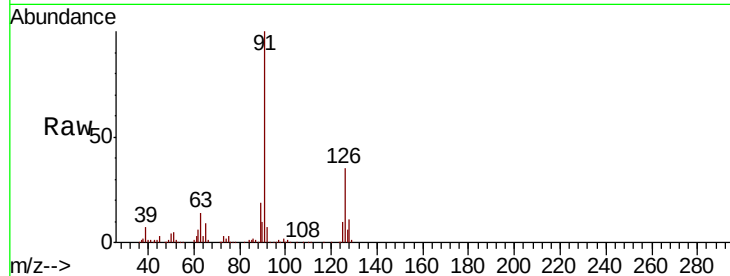




#79  
 2-Chlorotoluene  
 Concen: 18.579 ug/l  
 RT: 11.42 min Scan# 1684  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

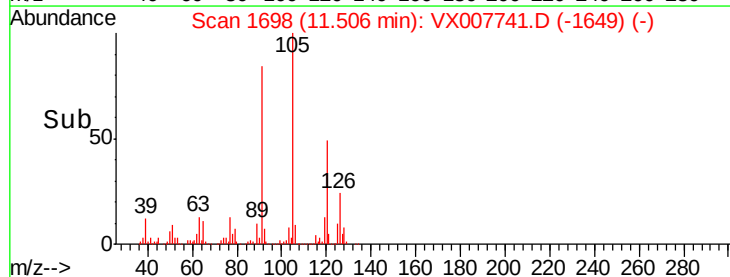
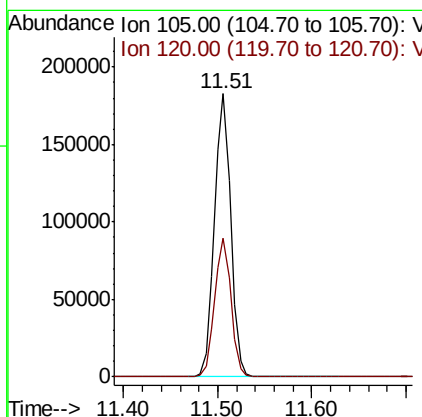
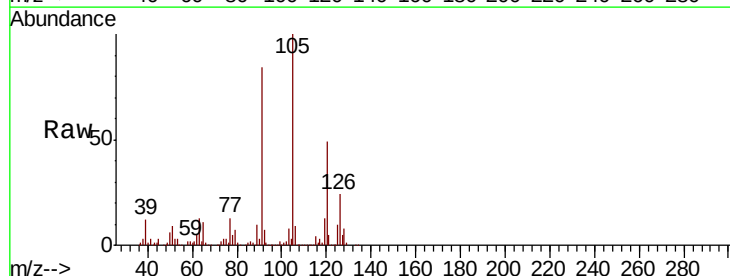
Instrument :  
 MSVOA\_X  
 ClientSampleId :

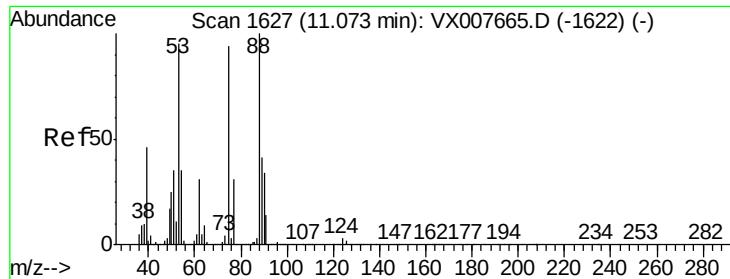
Tot Ion: 91 Resp: 178308  
 Ion Ratio Lower Upper  
 91 100  
 126 35.0 18.7 56.1



#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.917 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Tgt Ion: 105 Resp: 219486  
 Ion Ratio Lower Upper  
 105 100  
 120 49.3 25.3 75.8

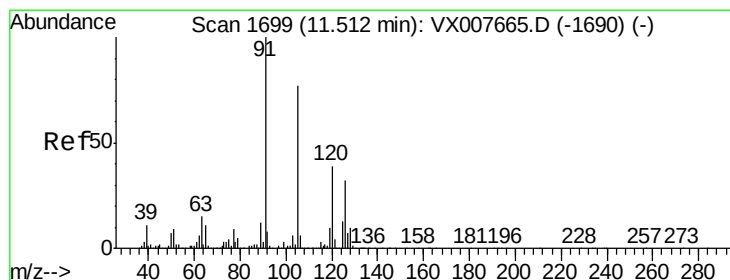
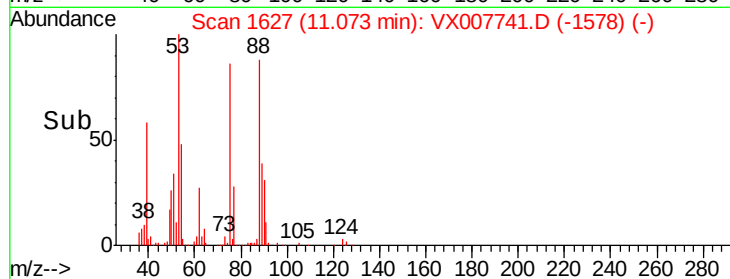
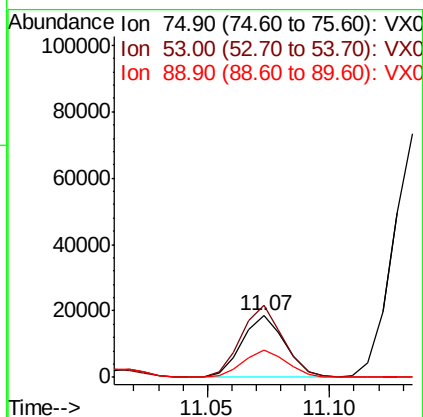
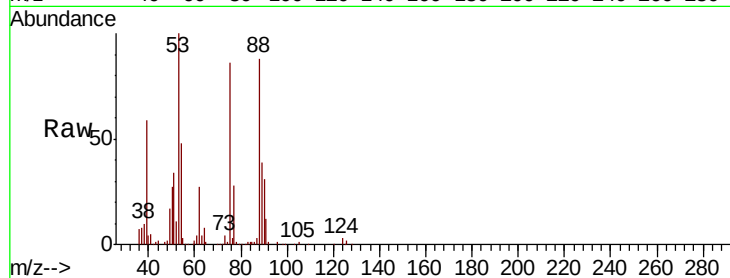




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.633 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

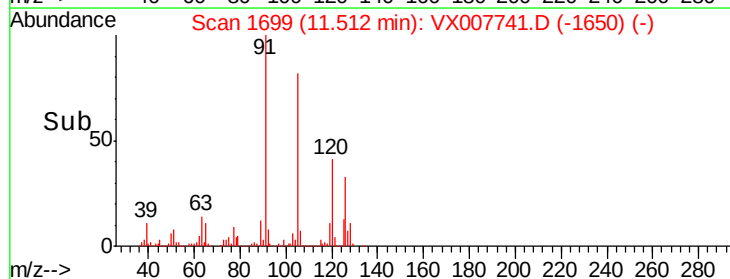
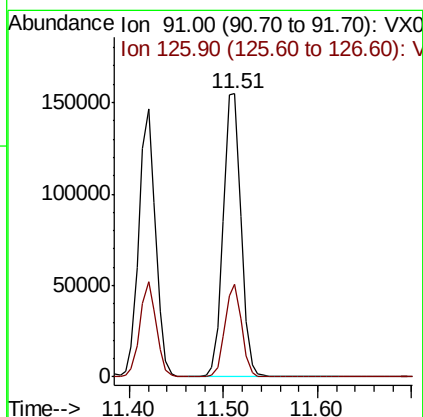
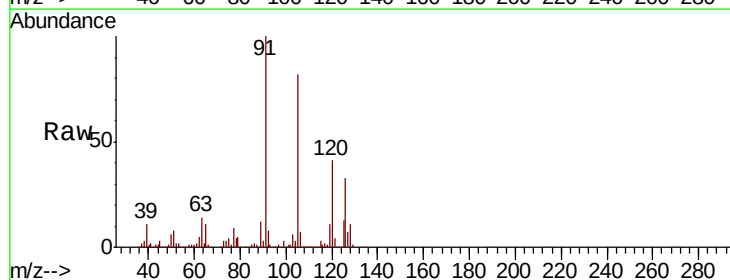
Instrument :  
MSVOA\_X  
ClientSampled :

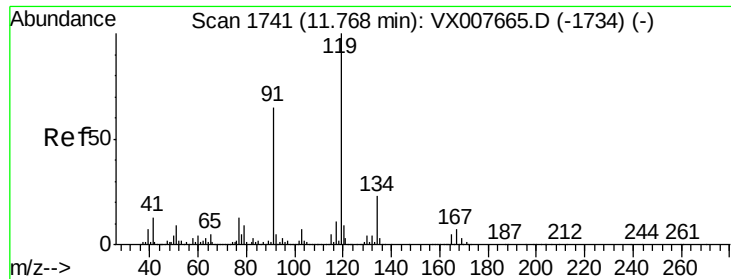
Tot Ion: 75 Resp: 22756  
Ion Ratio Lower Upper  
75 100  
53 112.7 81.0 121.6  
89 45.1 41.4 62.0



#82  
4-Chlorotoluene  
Concen: 18.098 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VX007741.D  
Acq: 27 Feb 2019 18:31

Tgt Ion: 91 Resp: 203186  
Ion Ratio Lower Upper  
91 100  
126 30.8 16.2 48.5

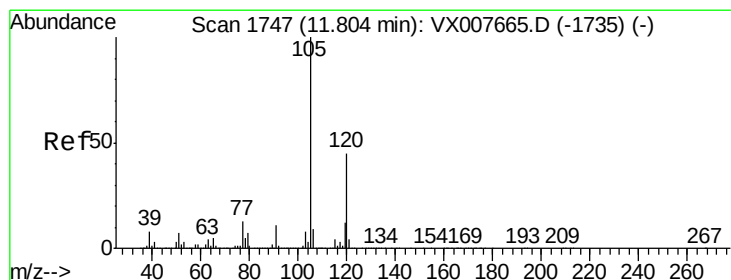
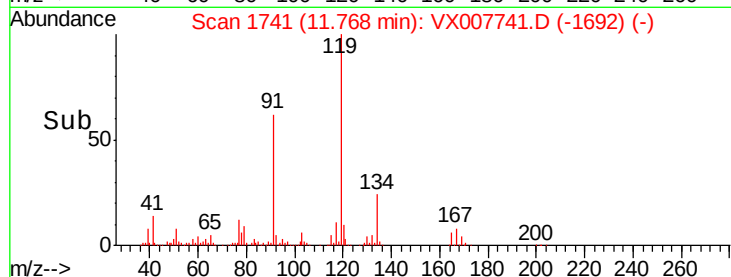
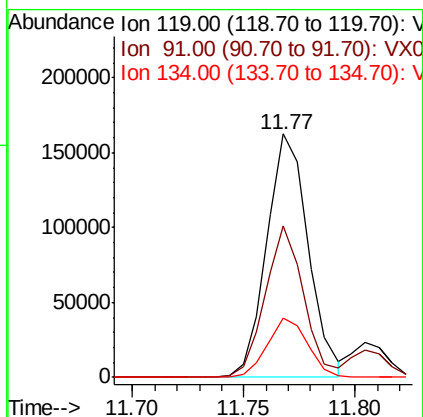
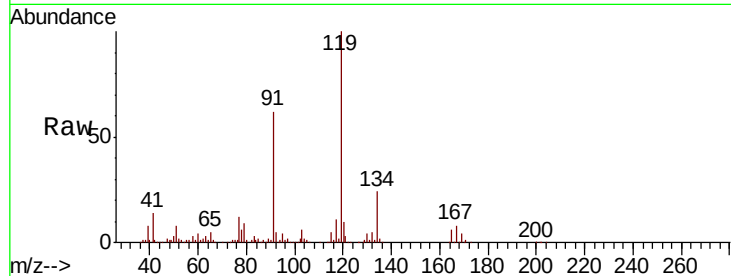




#83  
 tert-Butylbenzene  
 Concen: 18.894 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

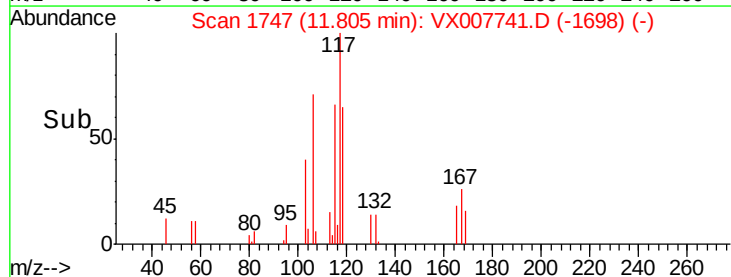
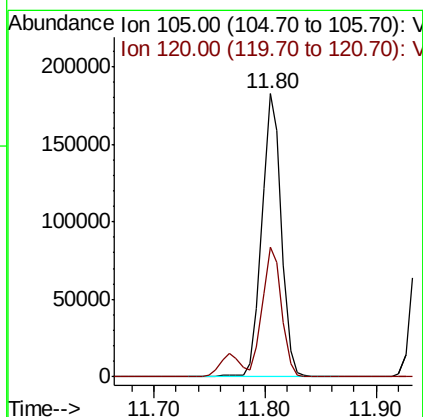
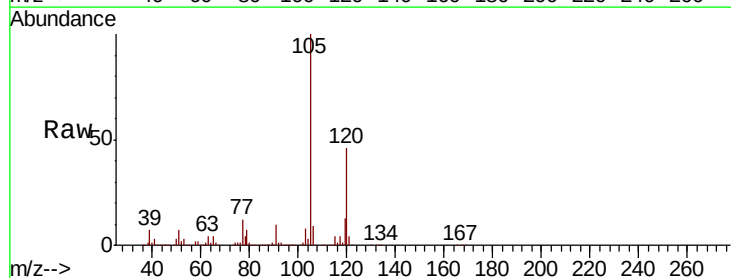
Instrument :  
 MSVOA\_X  
 ClientSampleId :

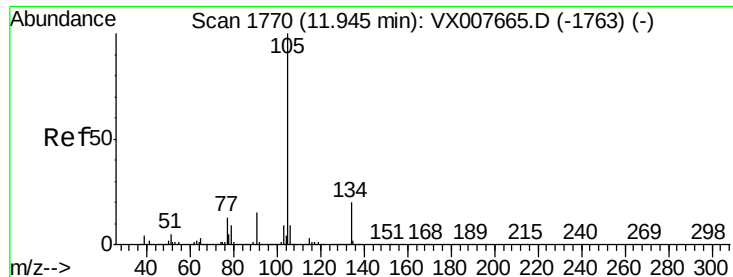
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 57.8  | 28.5  | 85.6  |
| 134     | 23.7  | 12.0  | 36.0  |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.922 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.0  | 23.1  | 69.3  |





#85

sec-Butylbenzene

Concen: 18.442 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

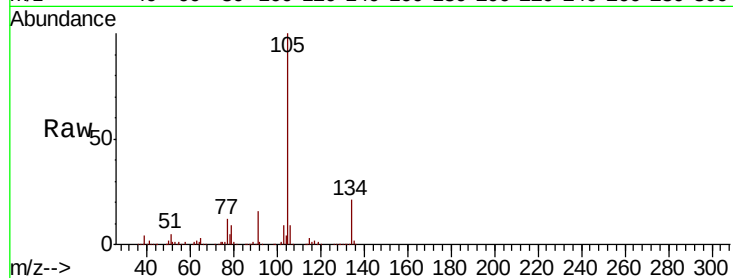
ClientSampled :

Tot Ion:105 Resp: 257439

Ion Ratio Lower Upper

105 100

134 20.5 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

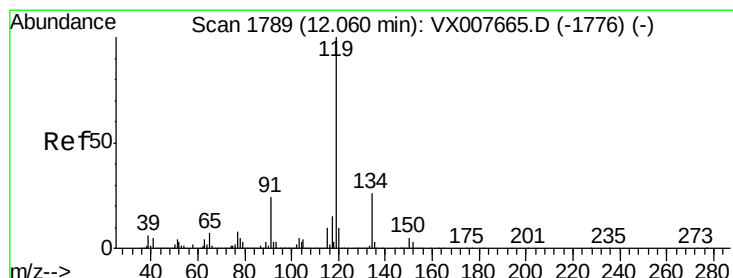
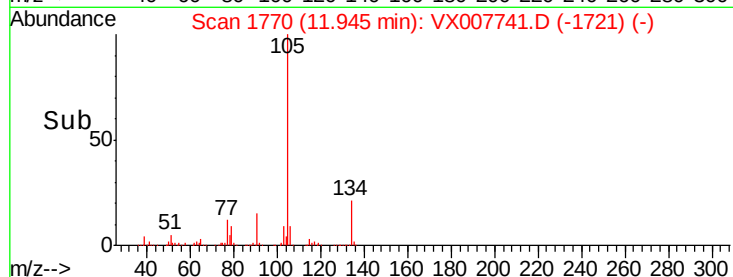
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.764 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

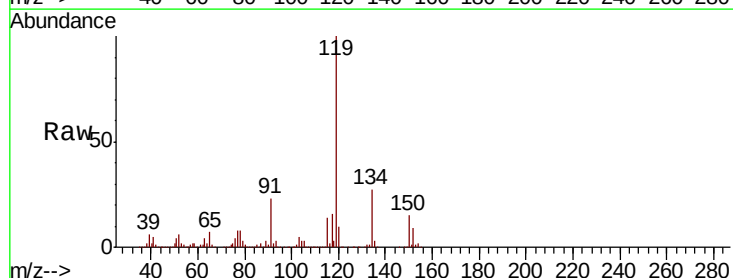
Tgt Ion:119 Resp: 229395

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.1

91 22.7 11.2 33.5



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): VX0

12.06

200000

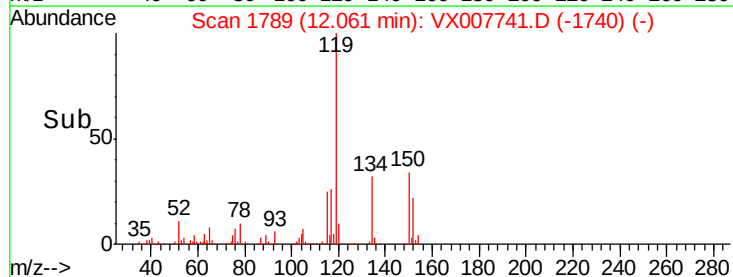
150000

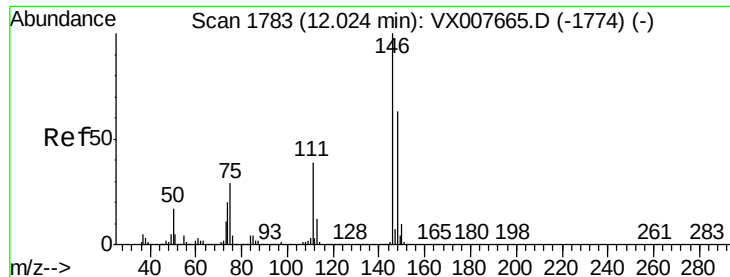
100000

50000

0

Time-->

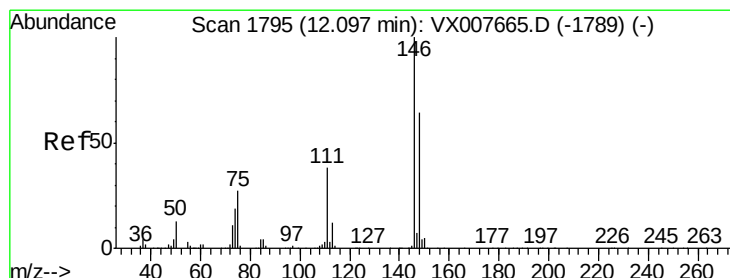
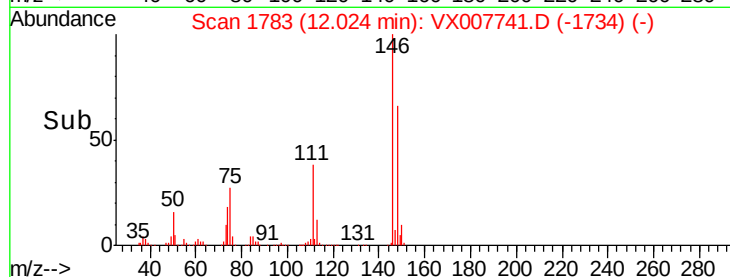
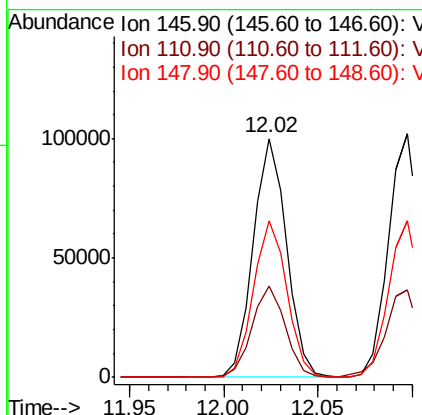
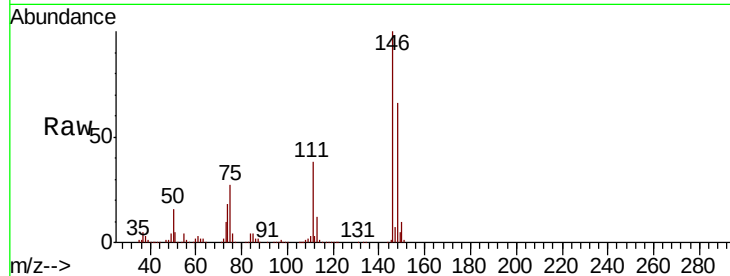




#87  
 1,3-Dichlorobenzene  
 Concen: 18.714 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

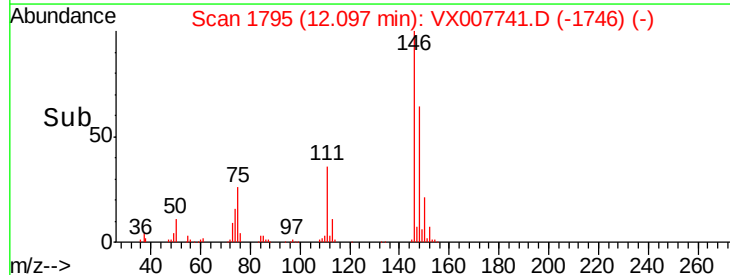
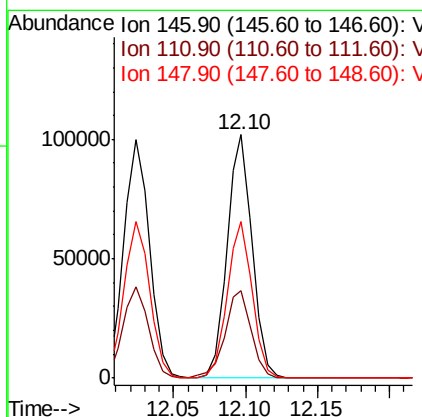
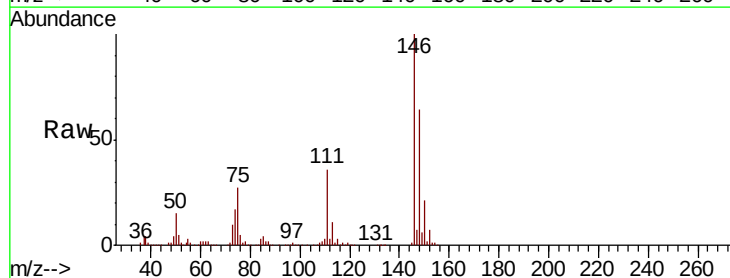
Instrument :  
 MSVOA\_X  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 18.1  | 54.1  |
| 148     | 65.6  | 32.0  | 96.2  |

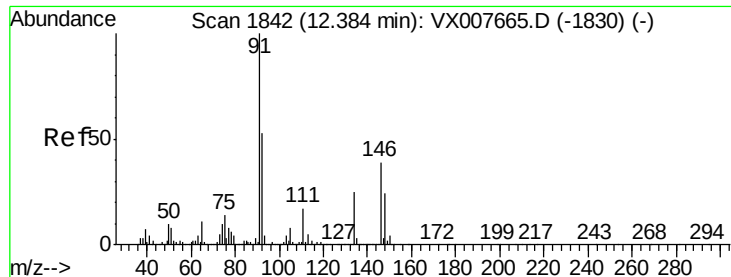


#88  
 1,4-Dichlorobenzene  
 Concen: 18.532 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.1  | 54.1  |
| 148     | 64.3  | 32.3  | 96.9  |







#89

n-Butylbenzene

Concen: 17.438 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

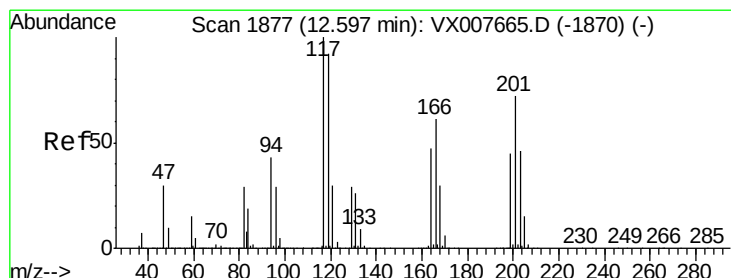
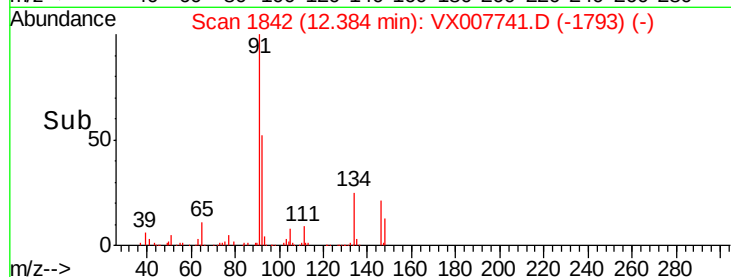
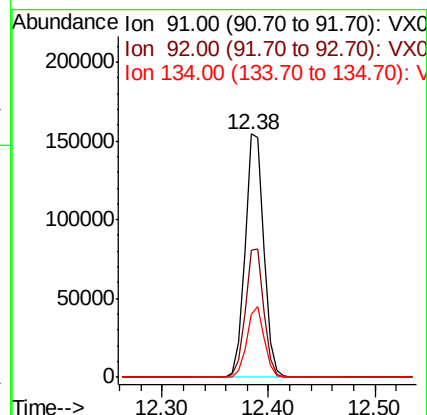
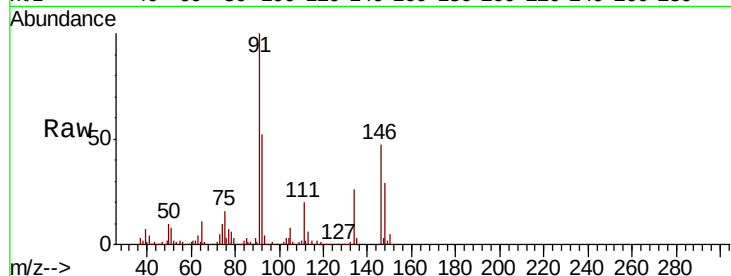
Tot Ion: 91 Resp: 190125

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.9

134 27.1 13.9 41.6



#90

Hexachloroethane

Concen: 16.650 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007741.D

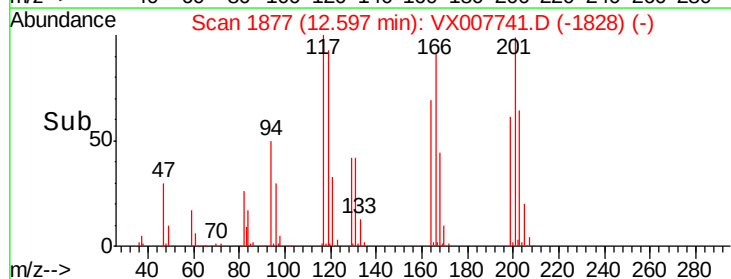
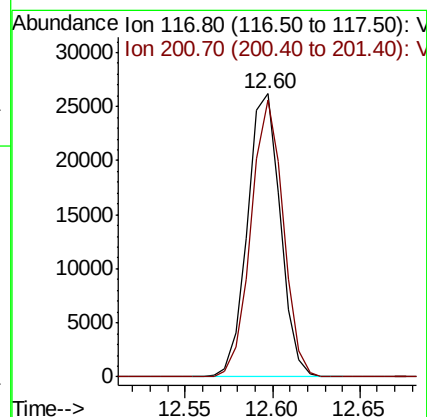
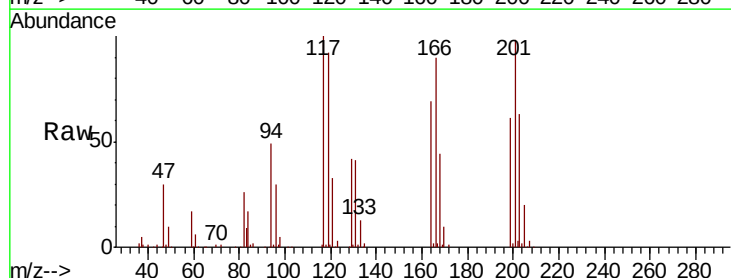
Acq: 27 Feb 2019 18:31

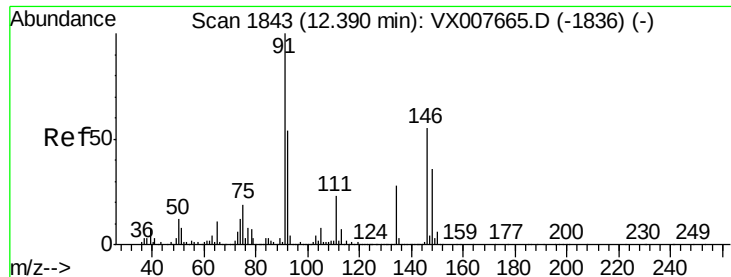
Tgt Ion: 117 Resp: 34296

Ion Ratio Lower Upper

117 100

201 95.9 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 19.079 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampled :

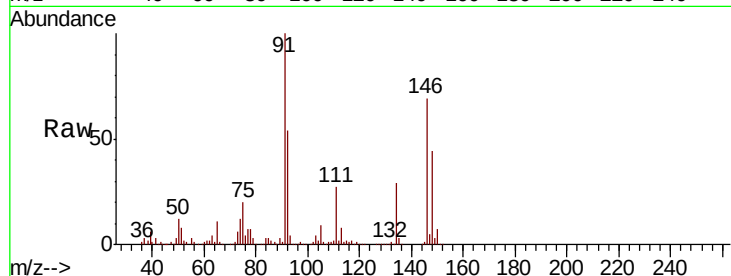
Tot Ion:146 Resp: 125277

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.3

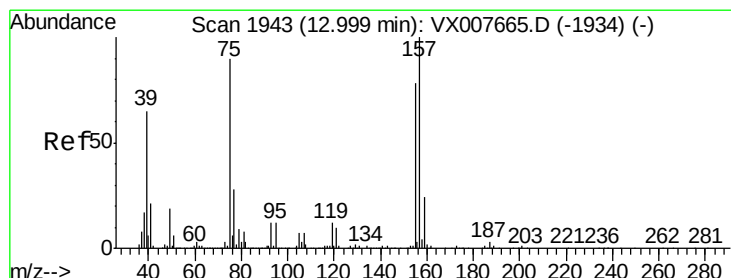
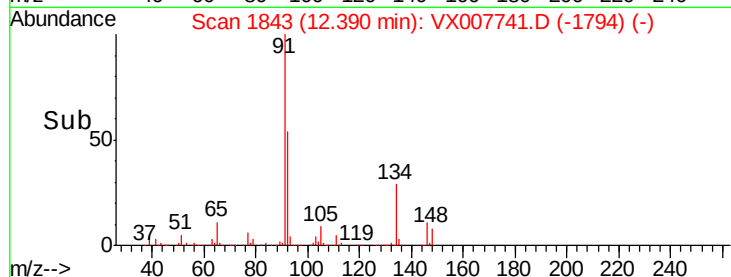
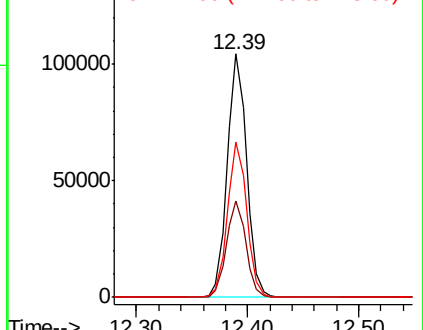
148 63.7 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.209 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

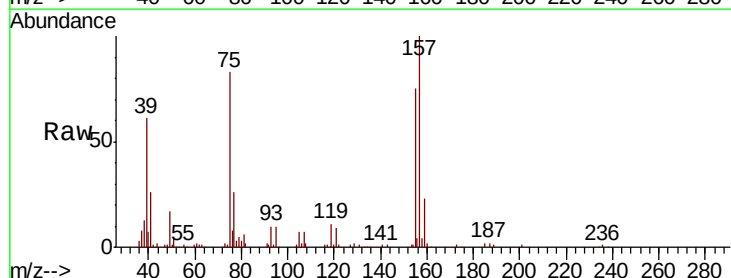
Tgt Ion: 75 Resp: 18293

Ion Ratio Lower Upper

75 100

155 93.0 49.6 149.0

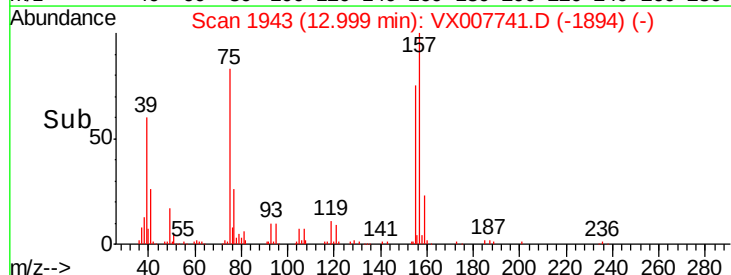
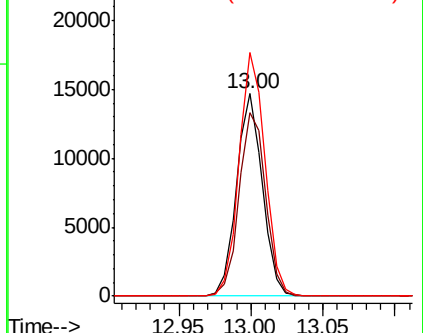
157 120.5 65.1 195.3

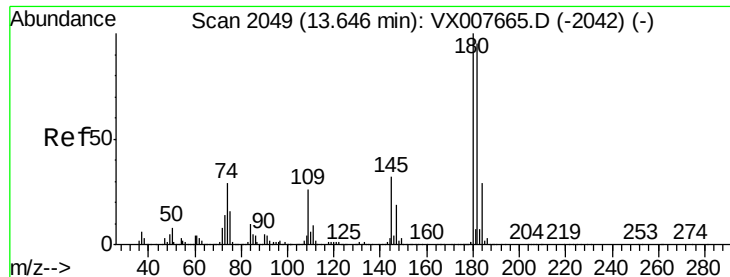


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

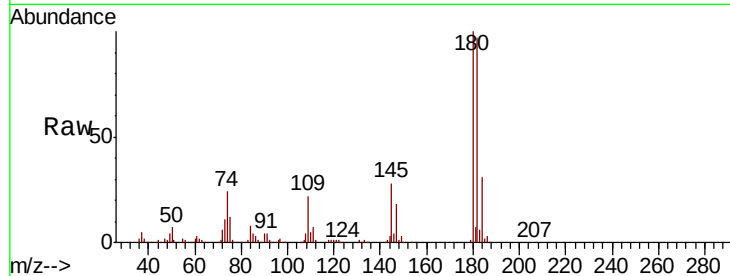




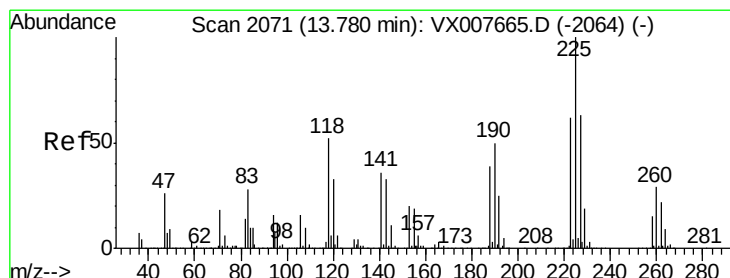
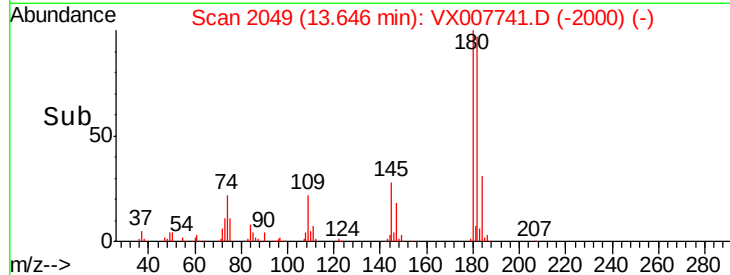
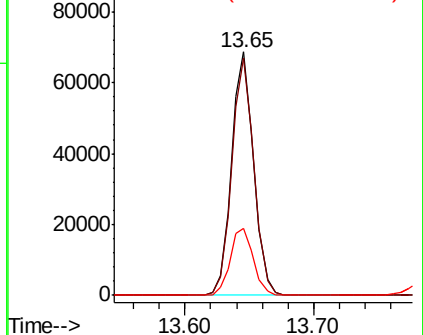
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.547 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tot Ion:180 Resp: 82353  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 47.8 143.3  
 145 28.8 14.1 42.2

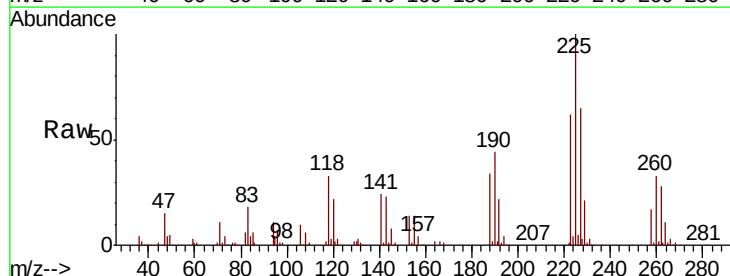


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

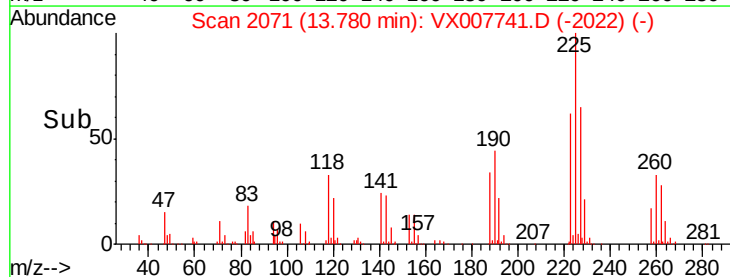
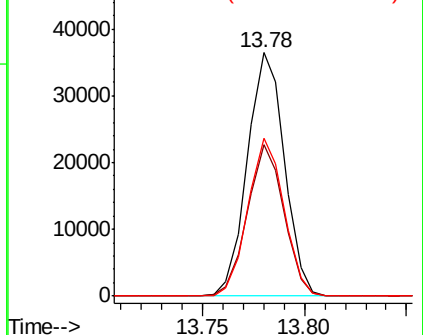


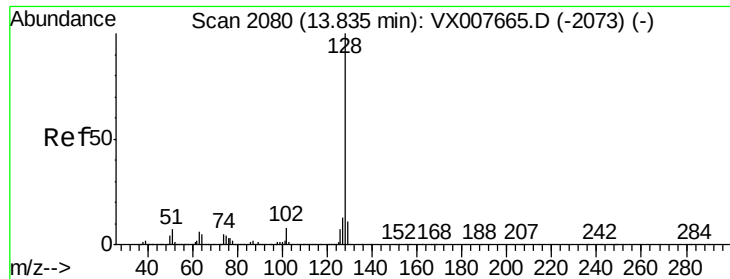
#94  
 Hexachlorobutadiene  
 Concen: 25.143 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX007741.D  
 Acq: 27 Feb 2019 18:31

Tgt Ion:225 Resp: 46102  
 Ion Ratio Lower Upper  
 225 100  
 223 61.6 31.6 94.8  
 227 63.2 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.443 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampled :

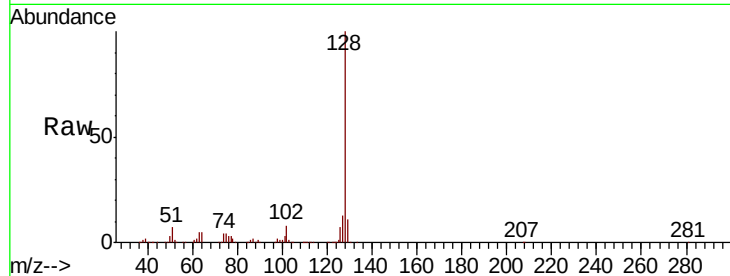
Tot Ion:128 Resp: 252480

Ion Ratio Lower Upper

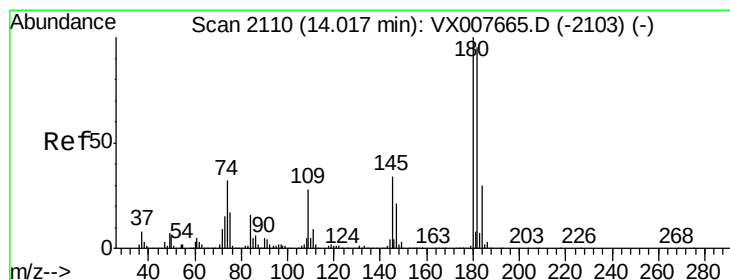
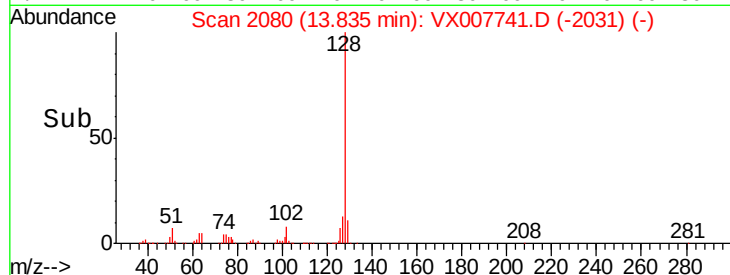
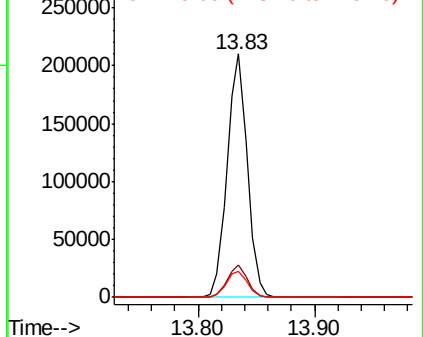
128 100

127 13.1 10.5 15.7

129 11.0 8.7 13.1



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: 21.123 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007741.D

Acq: 27 Feb 2019 18:31

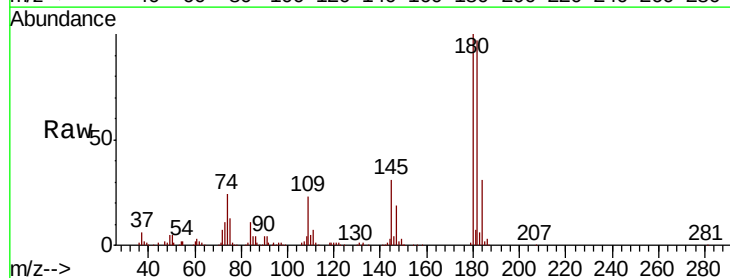
Tgt Ion:180 Resp: 85010

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 30.3 14.9 44.5



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

