

Data File : VX004911.D  
Acq On : 02 Oct 2018 10:31  
Operator : JC/MD  
Sample : VSTDICCC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Quant Time: Oct 03 04:25:34 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X100218W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 03 04:23:23 2018  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.02  | 128  | 50515    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 272916   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 251783   | 30.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.07   | 65    | 111775   | 29.12    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 97.07%  |
| 60) 4-Bromofluorobenzene  | 11.14  | 95    | 122477   | 29.26    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.53%  |
| 63) Toluene-d8            | 8.71   | 98    | 347019   | 30.88    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.93% |

#### Target Compounds

|                               |      |     |        |         | Qvalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 80674  | 20.512  | ug/l 100   |
| 3) Chloromethane              | 1.32 | 50  | 82713  | 20.270  | ug/l 100   |
| 4) Vinyl Chloride             | 1.40 | 62  | 83672  | 20.058  | ug/l 100   |
| 5) Bromomethane               | 1.64 | 94  | 36590  | 18.279  | ug/l 100   |
| 6) Chloroethane               | 1.72 | 64  | 48229  | 20.138  | ug/l 100   |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 106060 | 19.959  | ug/l 100   |
| 8) Diethyl Ether              | 2.19 | 74  | 42449  | 19.596  | ug/l 100   |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 59977  | 19.653  | ug/l 100   |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 56361  | 19.498  | ug/l 100   |
| 11) Methyl Iodide             | 2.51 | 142 | 33950  | 14.426  | ug/l 100   |
| 12) Methyl Acetate            | 2.78 | 43  | 118243 | 20.286  | ug/l 100   |
| 13) Acrolein                  | 2.29 | 56  | 50927  | 94.567  | ug/l 100   |
| 14) Acrylonitrile             | 3.15 | 53  | 236440 | 99.265  | ug/l 100   |
| 15) Acetone                   | 2.45 | 58  | 86235  | 108.306 | ug/l 100   |
| 16) Carbon Disulfide          | 2.57 | 76  | 166040 | 19.585  | ug/l 100   |
| 17) Allyl chloride            | 2.73 | 41  | 128648 | 20.015  | ug/l 100   |
| 18) Methylene Chloride        | 2.85 | 84  | 65944  | 19.617  | ug/l 100   |
| 19) trans-1,2-Dichloroethene  | 3.17 | 96  | 59997  | 19.428  | ug/l 100   |
| 20) Diisopropyl ether         | 3.87 | 45  | 209718 | 19.136  | ug/l 100   |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 120987 | 20.037  | ug/l 100   |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 65995  | 19.316  | ug/l 100   |
| 23) tert-Butyl Alcohol        | 3.07 | 59  | 113615 | 103.316 | ug/l 100   |
| 24) Methyl tert-Butyl Ether   | 3.20 | 73  | 208870 | 19.663  | ug/l 100   |
| 25) Chloroform                | 5.21 | 83  | 110175 | 19.387  | ug/l 100   |
| 26) Cyclohexane               | 5.57 | 56  | 101040 | 19.498  | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 5.80 | 75  | 81023  | 20.062  | ug/l 100   |
| 30) 2-Butanone                | 4.70 | 43  | 349698 | 106.503 | ug/l 100   |
| 31) 2,2-Dichloropropane       | 4.59 | 77  | 89753  | 20.256  | ug/l 100   |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 94295  | 20.312  | ug/l 100   |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 82120  | 20.141  | ug/l 100   |
| 34) Benzene                   | 6.14 | 78  | 250403 | 20.432  | ug/l 100   |
| 35) Methacrylonitrile         | 5.06 | 41  | 62932  | 20.624  | ug/l 100   |
| 36) 1,2-Dichloroethane        | 6.20 | 62  | 91007  | 20.613  | ug/l 100   |
| 37) Trichloroethene           | 7.21 | 130 | 64803  | 20.074  | ug/l 100   |
| 38) Methylcyclohexane         | 7.46 | 83  | 92680  | 19.329  | ug/l 100   |
| 39) 1,2-Dichloropropane       | 7.52 | 63  | 65971  | 20.203  | ug/l 100   |
| 40) Dibromomethane            | 7.66 | 93  | 42656  | 20.155  | ug/l 100   |

Data File : VX004911.D  
Acq On : 02 Oct 2018 10:31  
Operator : JC/MD  
Sample : VSTDICCC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Quant Time: Oct 03 04:25:34 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X100218W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 03 04:23:23 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.90  | 83   | 81492    | 19.973  | ug/l  | 100      |
| 42) Vinyl Acetate              | 3.82  | 43   | 962491   | 101.321 | ug/l  | 100      |
| 43) Ethyl Acetate              | 4.86  | 43   | 109673   | 20.249  | ug/l  | 100      |
| 44) Isopropyl Acetate          | 6.46  | 43   | 162703   | 20.129  | ug/l  | 100      |
| 45) 1,4-Dioxane                | 7.76  | 88   | 39680    | 416.687 | ug/l  | 100      |
| 46) Methyl methacrylate        | 7.78  | 41   | 84378    | 20.121  | ug/l  | 100      |
| 47) n-amyl Acetate             | 10.90 | 43   | 141422   | 18.964  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 90939    | 18.393  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene    | 8.44  | 75   | 102491   | 21.432  | ug/l  | 100      |
| 50) 1,1,2-Trichloroethane      | 9.22  | 97   | 65165    | 20.337  | ug/l  | 100      |
| 51) Ethyl methacrylate         | 9.18  | 69   | 98524    | 19.375  | ug/l  | 100      |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 110659   | 20.471  | ug/l  | 100      |
| 53) Dibromochloromethane       | 9.59  | 129  | 64896    | 19.521  | ug/l  | 100      |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 67776    | 20.297  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether  | 8.32  | 63   | 263862   | 98.335  | ug/l  | 100      |
| 56) Bromoform                  | 10.86 | 173  | 51867    | 18.682  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 8.65  | 43   | 585938   | 103.646 | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 477683   | 102.559 | ug/l  | 100      |
| 61) Tetrachloroethene          | 9.34  | 164  | 64059    | 20.906  | ug/l  | 100      |
| 62) Toluene                    | 8.79  | 91   | 271382   | 20.509  | ug/l  | 100      |
| 64) Chlorobenzene              | 10.14 | 112  | 173106   | 20.257  | ug/l  | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 63169    | 20.335  | ug/l  | 100      |
| 66) Ethyl Benzene              | 10.26 | 91   | 288276   | 19.955  | ug/l  | 100      |
| 67) m/p-Xylenes                | 10.36 | 106  | 226183   | 40.212  | ug/l  | 100      |
| 68) o-Xylene                   | 10.70 | 106  | 107379   | 19.804  | ug/l  | 100      |
| 69) Styrene                    | 10.71 | 104  | 180698   | 19.819  | ug/l  | 100      |
| 70) Isopropylbenzene           | 11.02 | 105  | 293732   | 20.231  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 105999   | 19.656  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane     | 11.30 | 75   | 123725   | 25.184  | ug/l  | 87       |
| 73) Bromobenzene               | 11.26 | 156  | 79502    | 19.920  | ug/l  | 100      |
| 74) n-propylbenzene            | 11.36 | 91   | 341250   | 19.976  | ug/l  | 100      |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 207730   | 19.938  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 250036   | 19.960  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 28612    | 17.713  | ug/l  | 100      |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 239068   | 19.741  | ug/l  | 100      |
| 79) tert-butylbenzene          | 12.07 | 119  | 262601   | 19.752  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 257654   | 20.168  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 11.94 | 105  | 292583   | 19.786  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 12.07 | 119  | 262601   | 19.752  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 144288   | 19.551  | ug/l  | 100      |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 145946   | 19.487  | ug/l  | 100      |
| 85) n-Butylbenzene             | 12.39 | 91   | 230474   | 19.086  | ug/l  | 100      |
| 86) Hexachloroethane           | 12.60 | 117  | 40882    | 18.668  | ug/l  | 100      |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 145873   | 19.444  | ug/l  | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 24547    | 19.698  | ug/l  | 100      |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 105114   | 18.783  | ug/l  | 100      |
| 90) Hexachlorobutadiene        | 13.79 | 225  | 52330    | 18.941  | ug/l  | 100      |
| 91) Naphthalene                | 13.83 | 128  | 336139   | 19.317  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 109468   | 19.076  | ug/l  | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX100218\  
Quantitation Report (Not Reviewed)

Data File : VX004911.D  
Acq On : 02 Oct 2018 10:31  
Operator : JC/MD  
Sample : VSTDICCC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Quant Time: Oct 03 04:25:34 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X100218W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 03 04:23:23 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

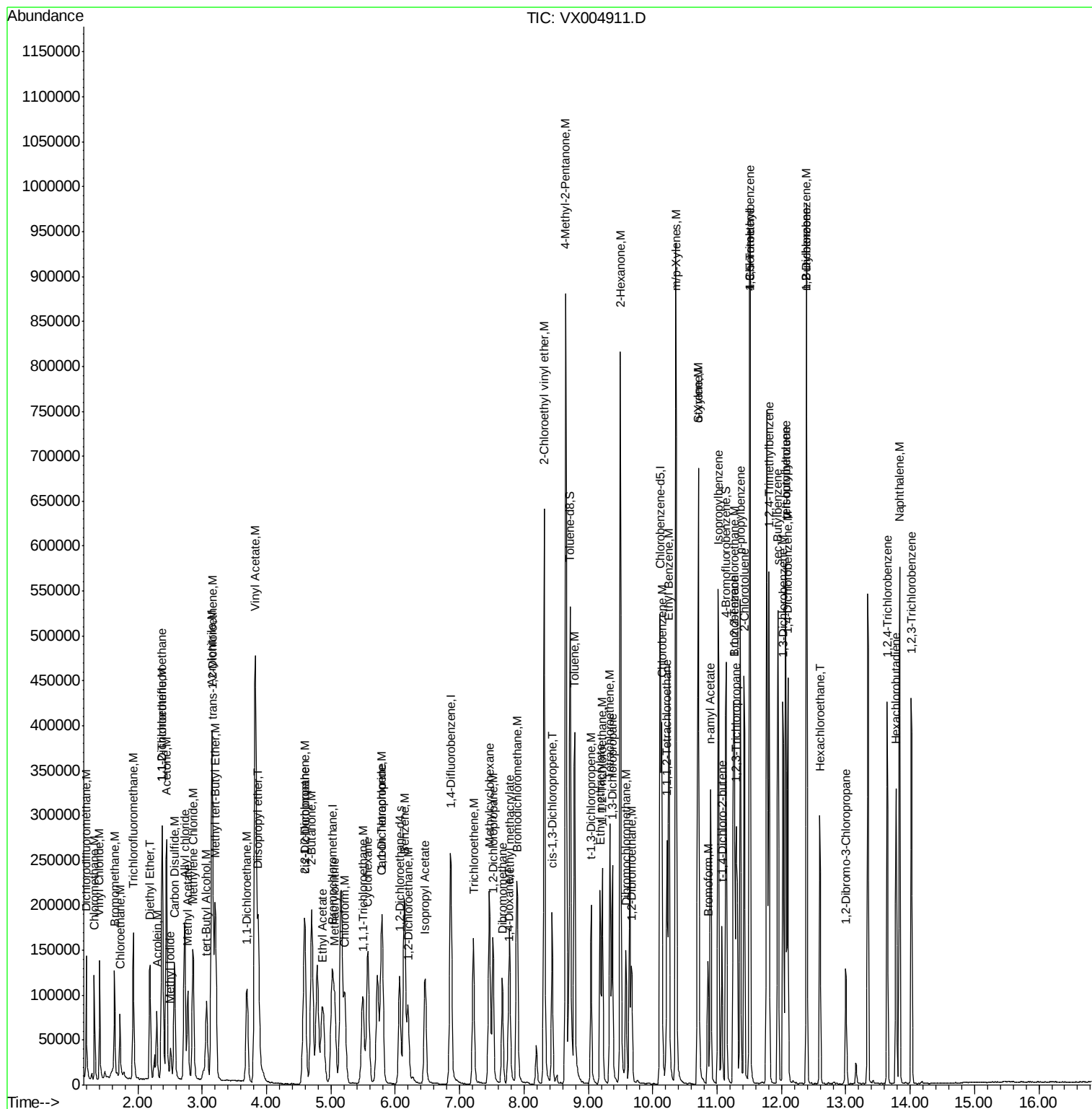
-----

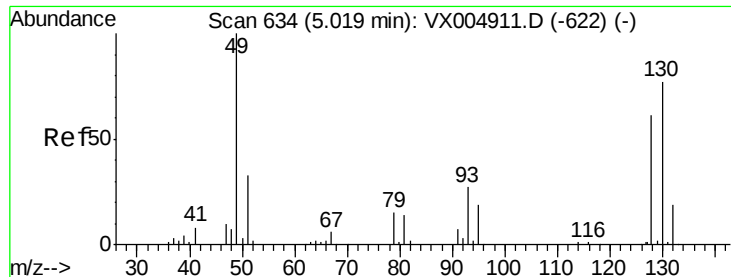
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX004911.D  
Acq On : 02 Oct 2018 10:31  
Operator : JC/MD  
Sample : VSTDICCC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Quant Time: Oct 03 04:25:34 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X100218W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 03 04:23:23 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

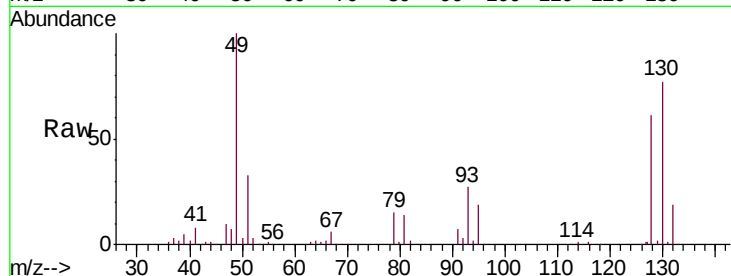
Tgt Ion:128 Resp: 50515

Ion Ratio Lower Upper

128 100

49 171.8 0.0 429.5

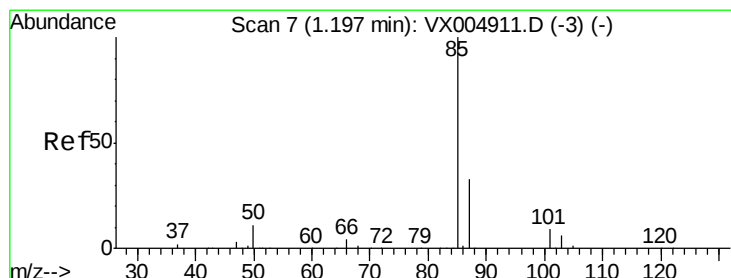
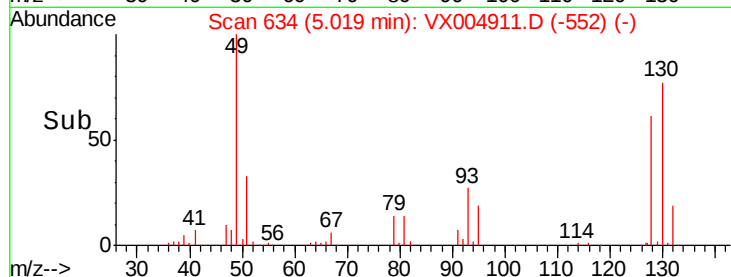
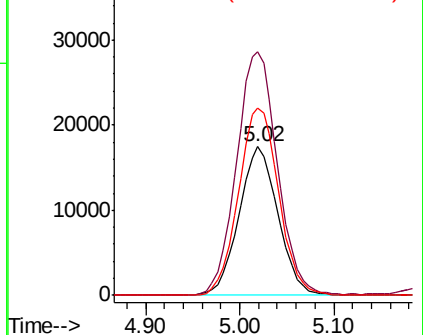
130 130.3 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.512 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004911.D

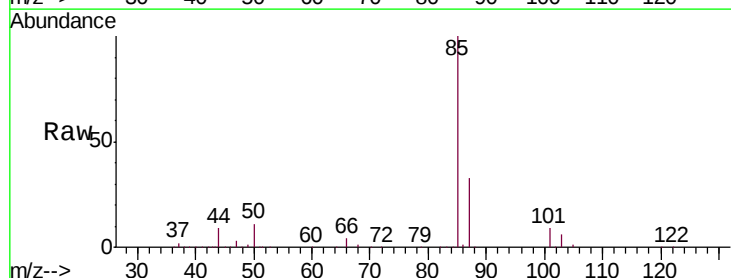
Acq: 02 Oct 2018 10:31

Tgt Ion: 85 Resp: 80674

Ion Ratio Lower Upper

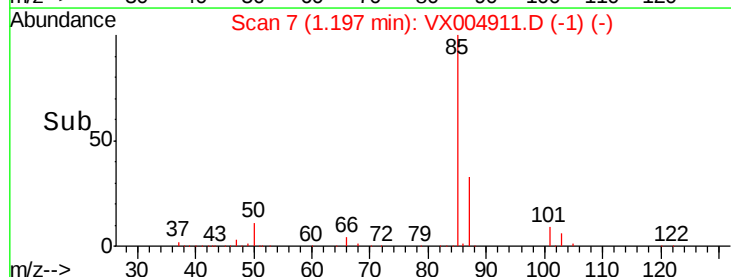
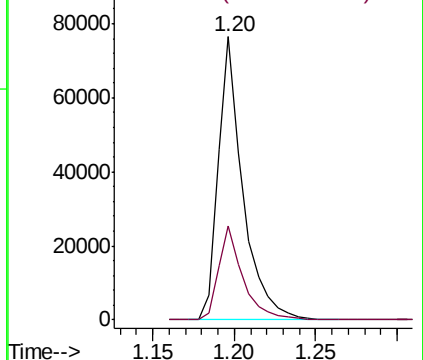
85 100

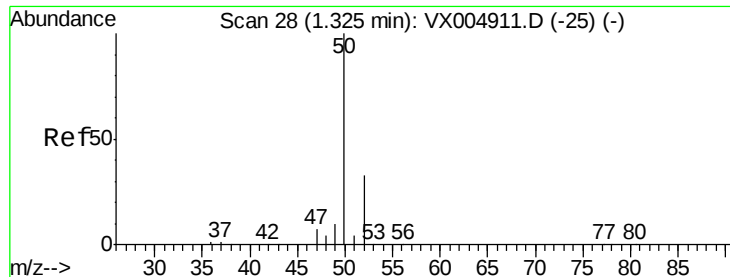
87 33.0 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.270 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

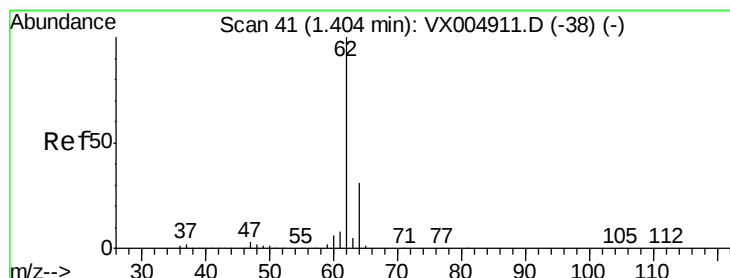
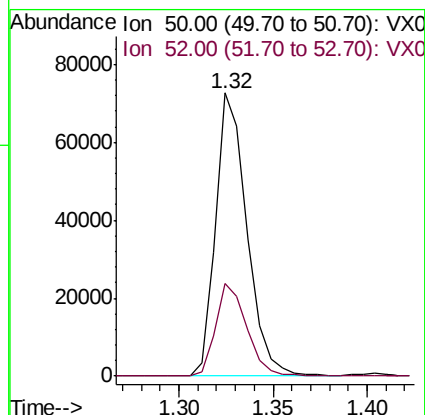
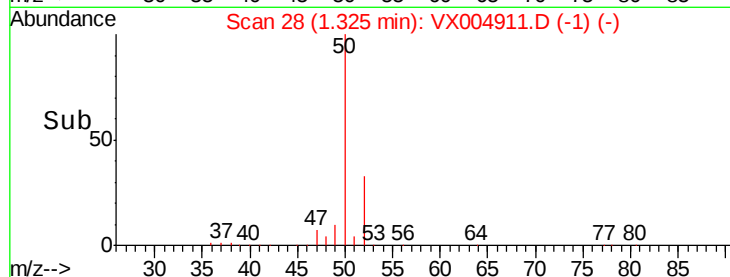
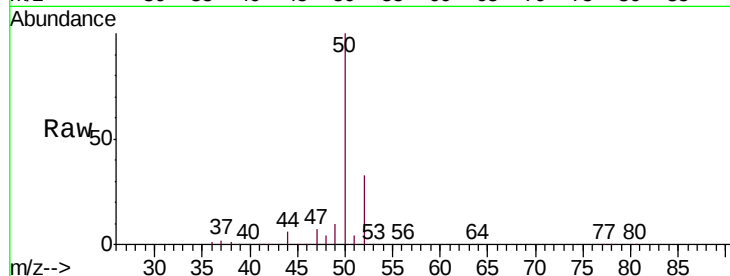
VSTDICCC020

Tgt Ion: 50 Resp: 82713

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 20.058 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004911.D

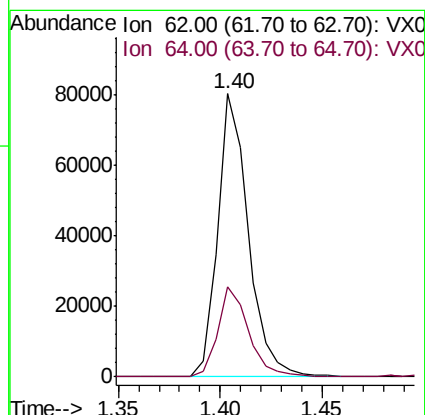
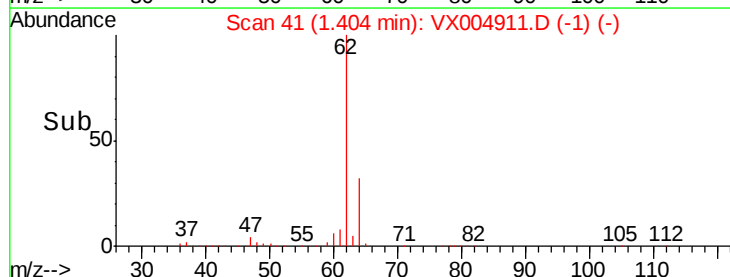
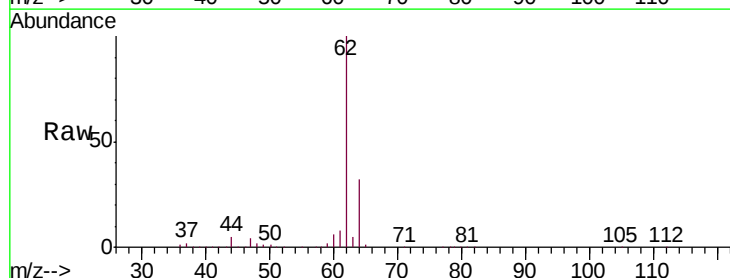
Acq: 02 Oct 2018 10:31

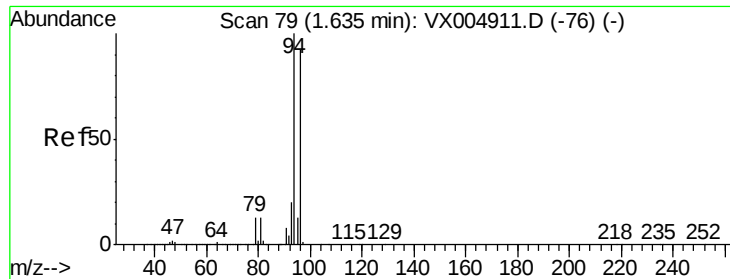
Tgt Ion: 62 Resp: 83672

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 18.279 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

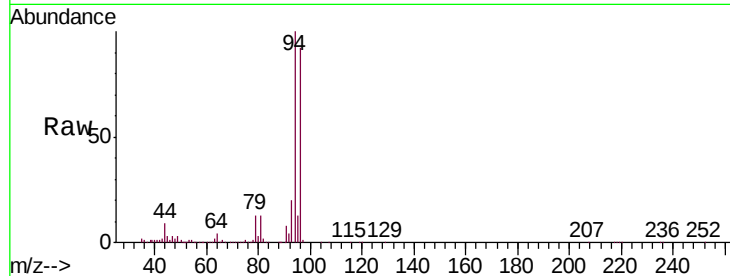
VSTDICCC020

Tgt Ion: 94 Resp: 36590

Ion Ratio Lower Upper

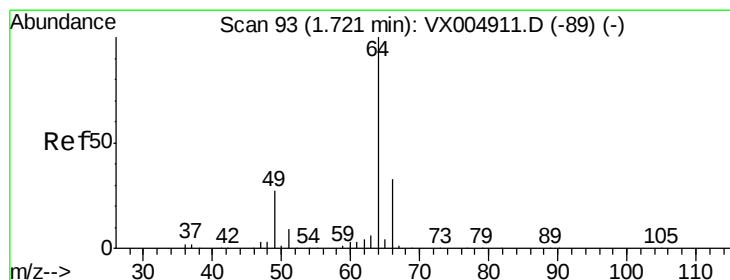
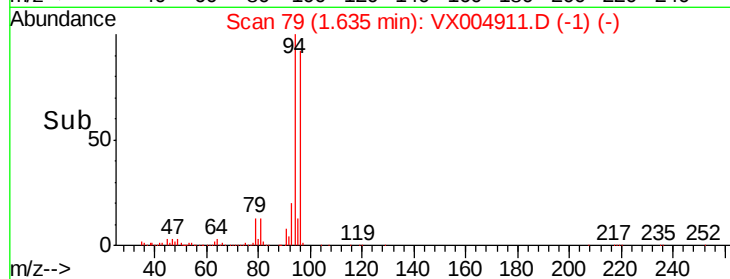
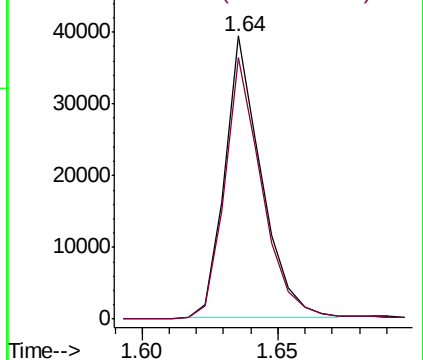
94 100

96 92.3 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.138 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX004911.D

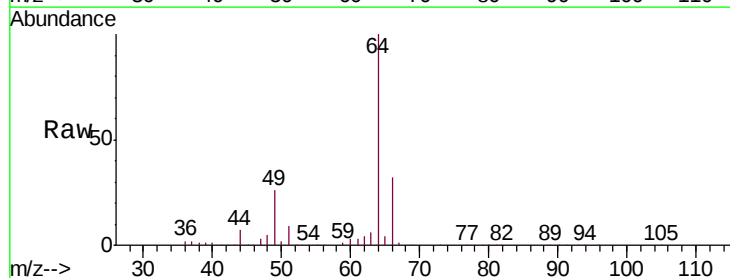
Acq: 02 Oct 2018 10:31

Tgt Ion: 64 Resp: 48229

Ion Ratio Lower Upper

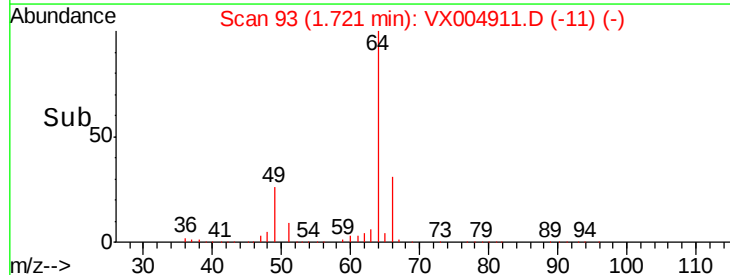
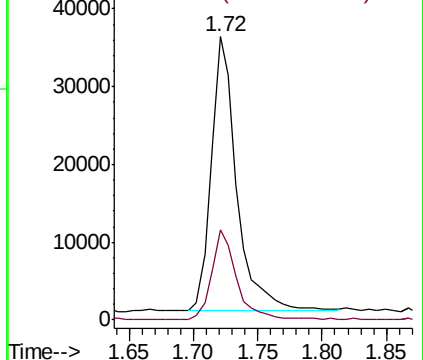
64 100

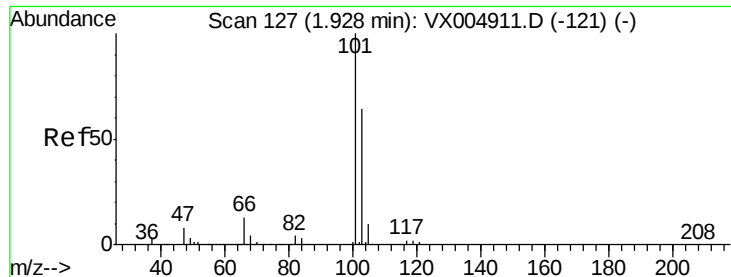
66 32.5 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



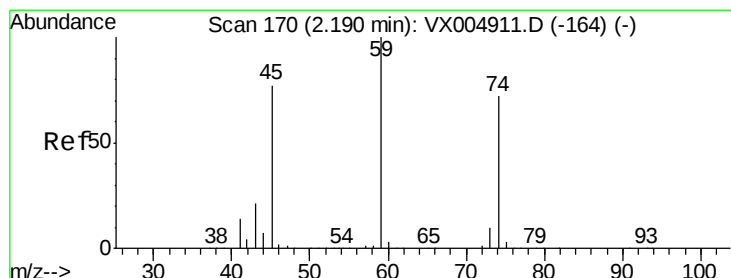
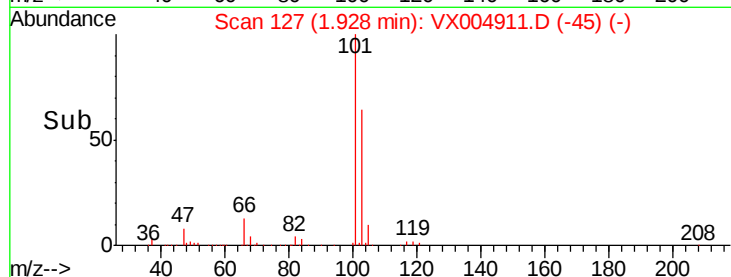
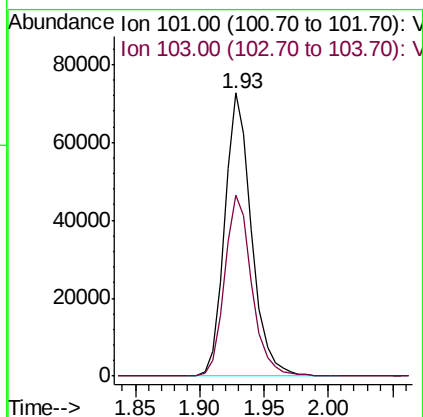
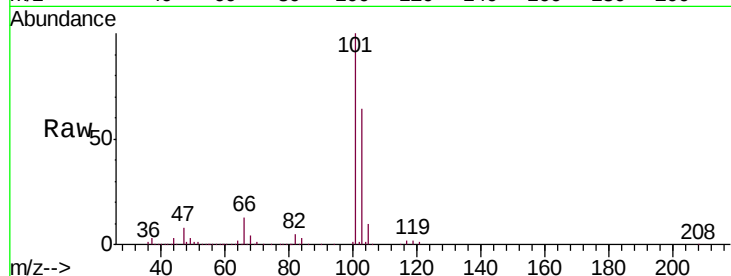


#7

Trichlorofluoromethane  
 Concen: 19.959 ug/l  
 RT: 1.93 min Scan# 127  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

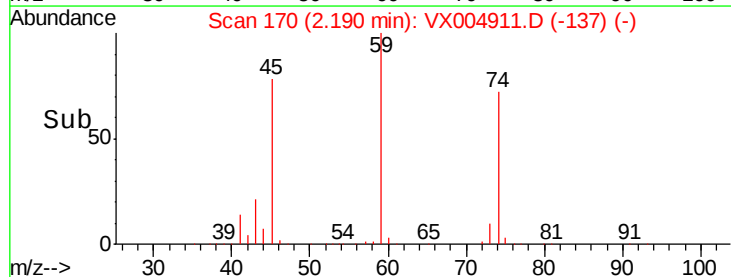
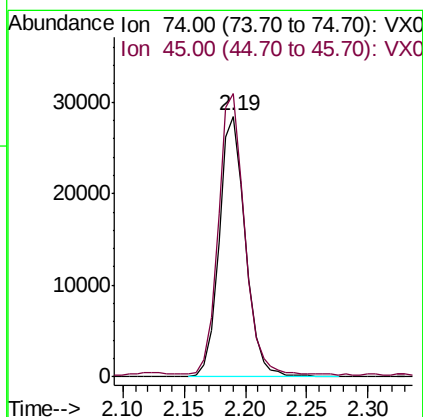
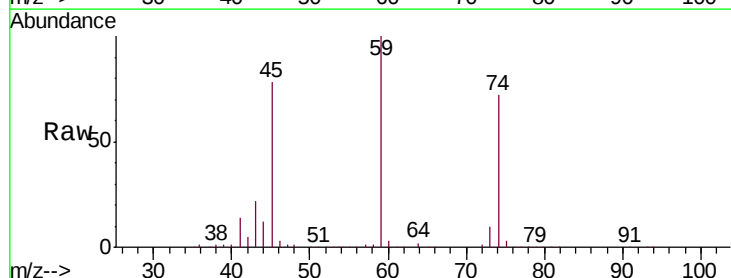
Tgt Ion:101 Resp: 106060  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 51.1 76.7

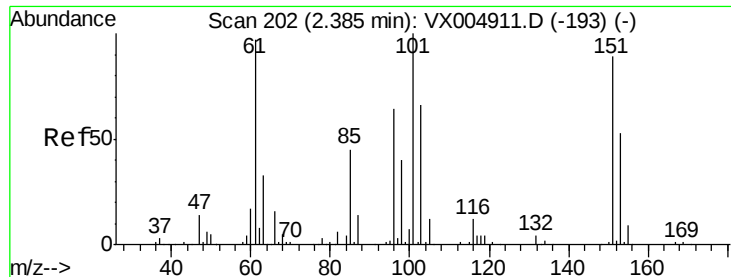


#8

Diethyl Ether  
 Concen: 19.596 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 74 Resp: 42449  
 Ion Ratio Lower Upper  
 74 100  
 45 108.2 21.6 194.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.653 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

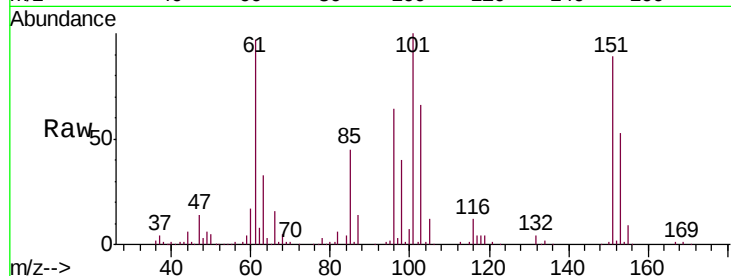
Tgt Ion: 101 Resp: 59977

Ion Ratio Lower Upper

101 100

85 44.0 0.0 88.0

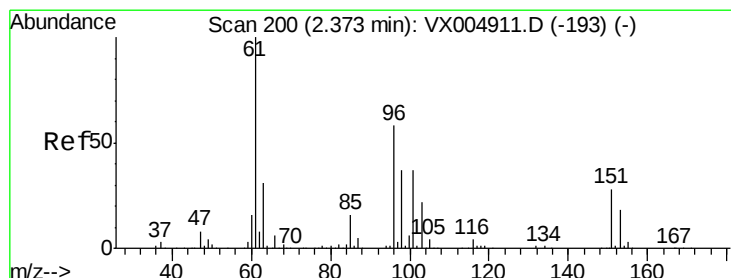
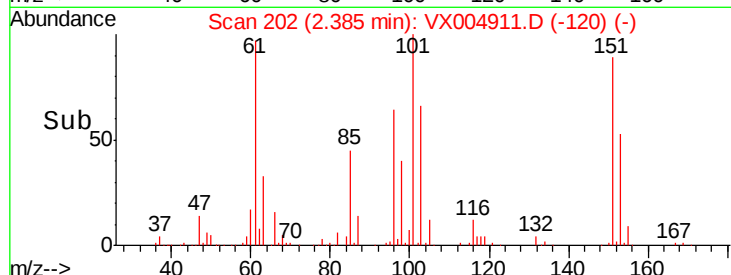
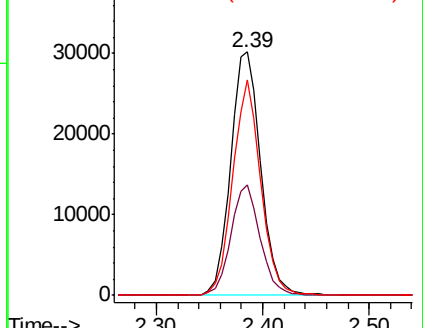
151 82.4 0.0 164.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.498 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

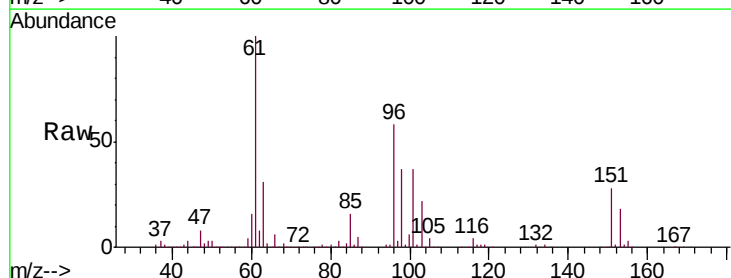
Tgt Ion: 96 Resp: 56361

Ion Ratio Lower Upper

96 100

61 172.4 137.9 206.9

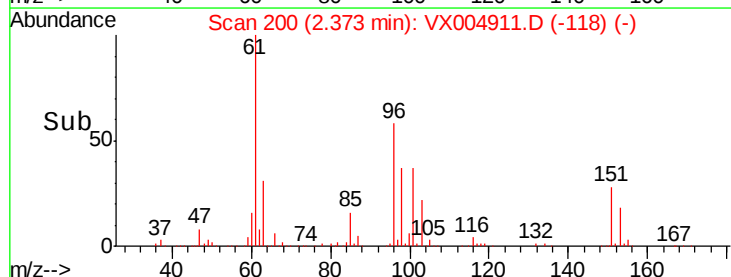
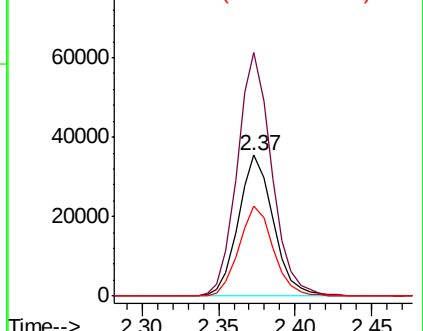
98 63.7 51.0 76.4

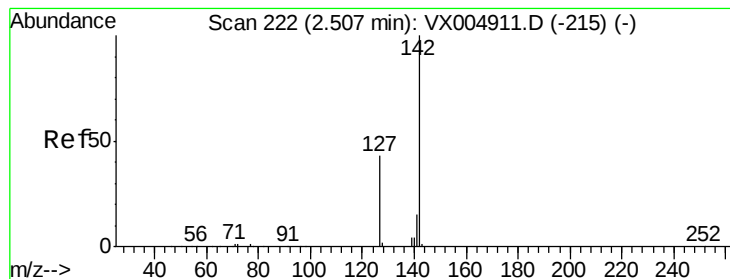


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methyl Iodide

Concen: 14.426 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

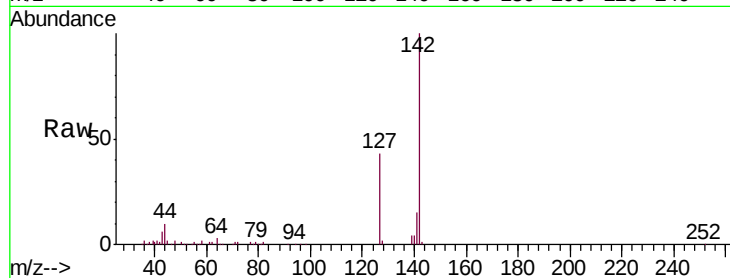
Tgt Ion:142 Resp: 33950

Ion Ratio Lower Upper

142 100

127 43.2 21.6 64.8

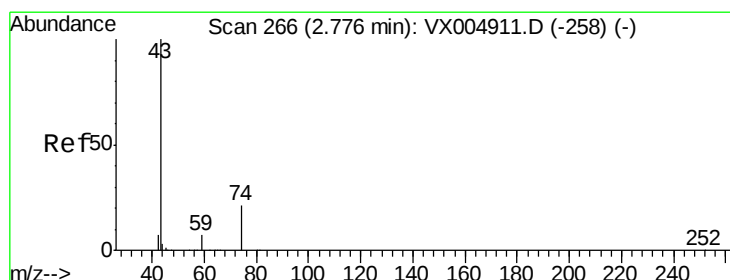
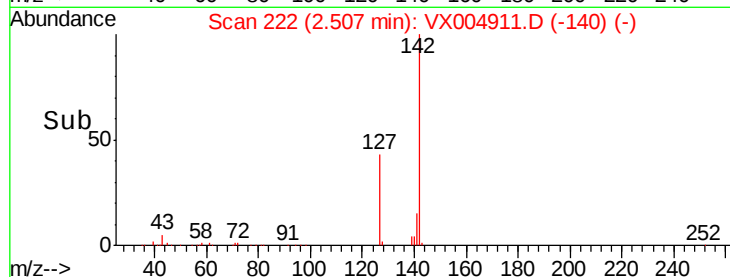
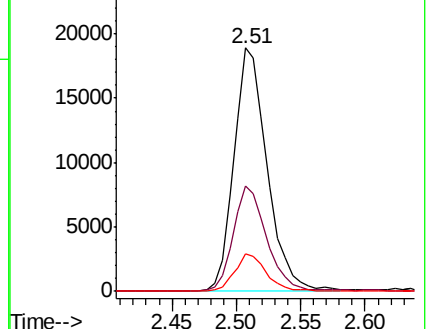
141 15.1 7.5 22.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 20.286 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004911.D

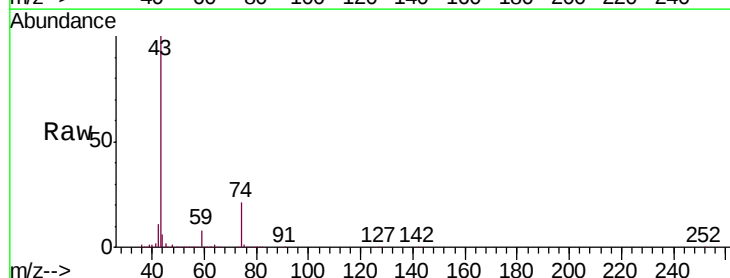
Acq: 02 Oct 2018 10:31

Tgt Ion: 43 Resp: 118243

Ion Ratio Lower Upper

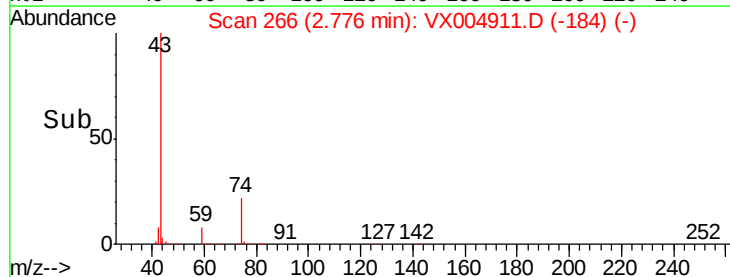
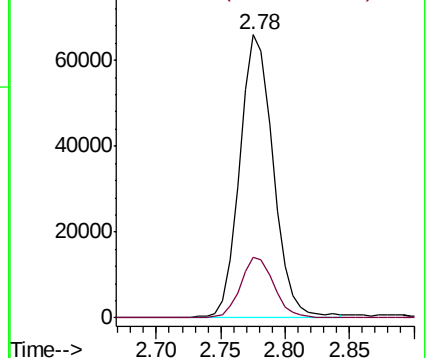
43 100

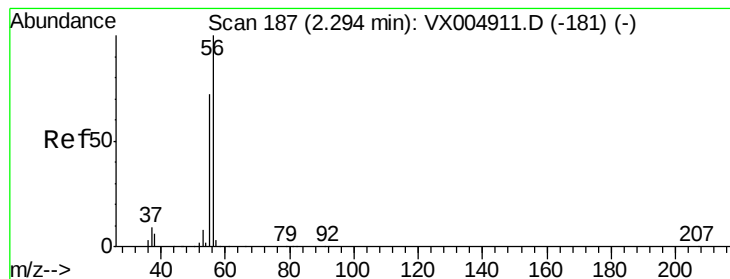
74 21.3 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 94.567 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

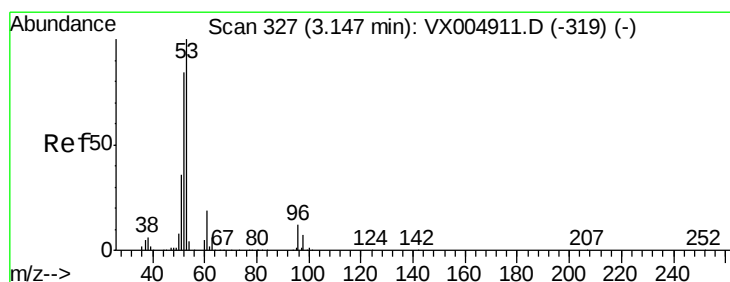
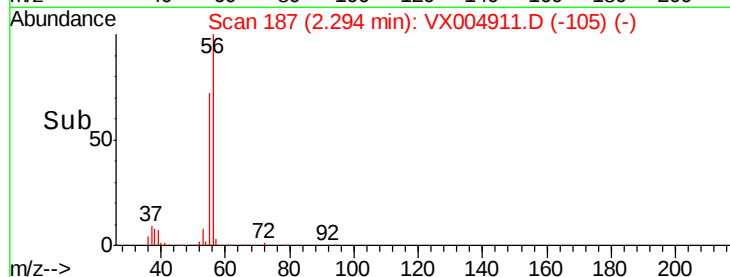
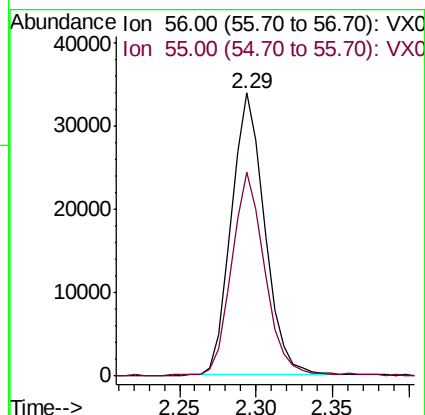
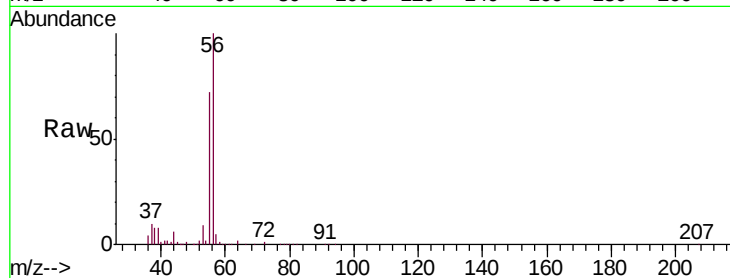
VSTDICCC020

Tgt Ion: 56 Resp: 50927

Ion Ratio Lower Upper

56 100

55 72.4 57.9 86.9



#14

Acrylonitrile

Concen: 99.265 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

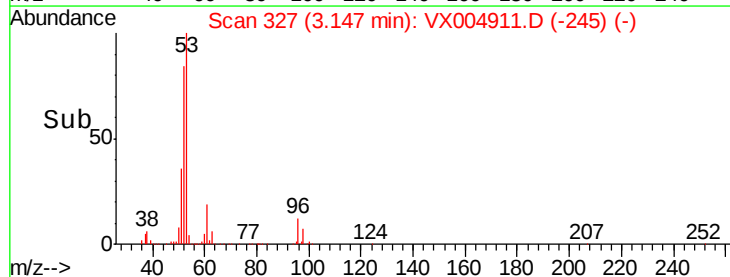
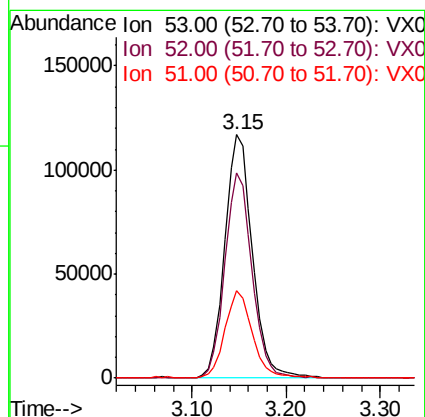
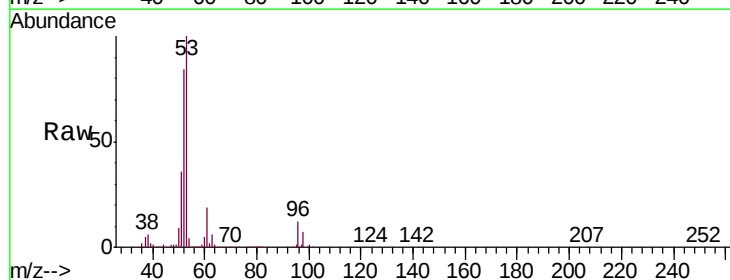
Tgt Ion: 53 Resp: 236440

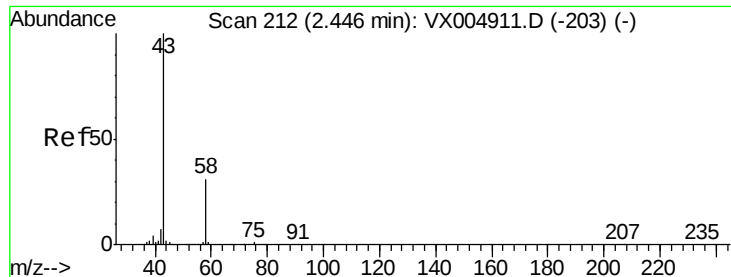
Ion Ratio Lower Upper

53 100

52 83.1 41.5 124.6

51 36.0 18.0 54.0

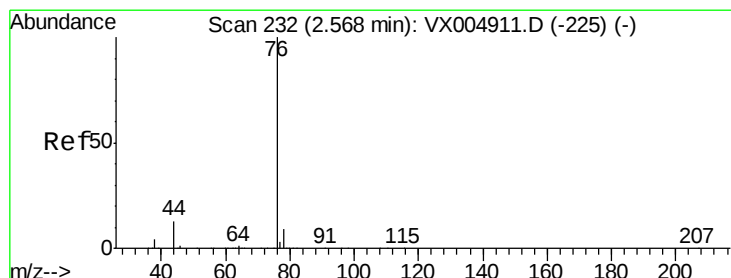
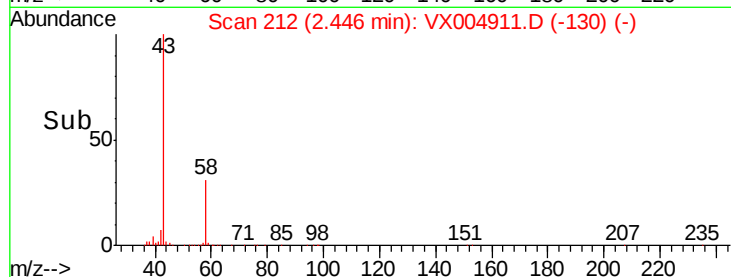
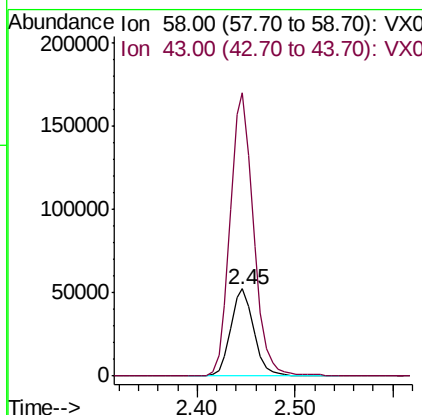
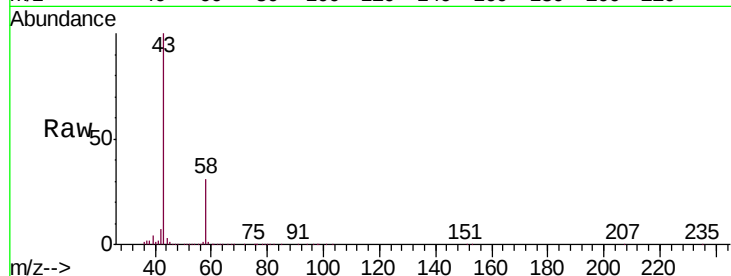




#15  
Acetone  
Concen: 108.306 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

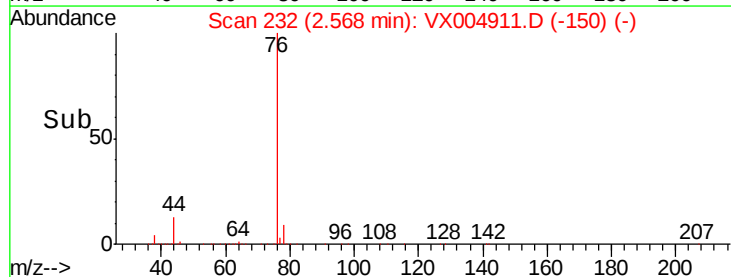
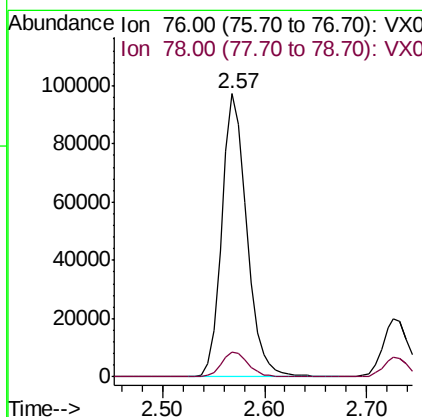
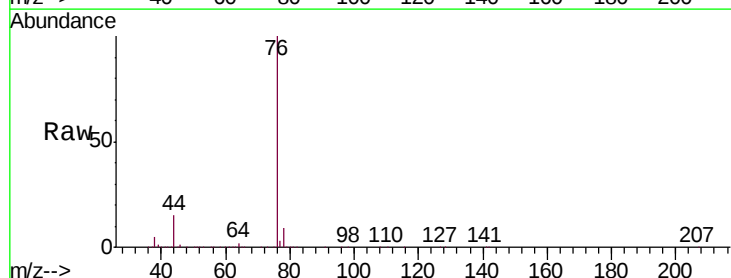
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

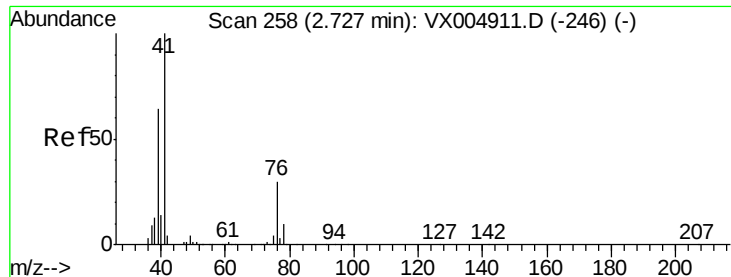
Tgt Ion: 58 Resp: 86235  
Ion Ratio Lower Upper  
58 100  
43 323.3 258.6 388.0



#16  
Carbon Disulfide  
Concen: 19.585 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Tgt Ion: 76 Resp: 166040  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.1 10.7

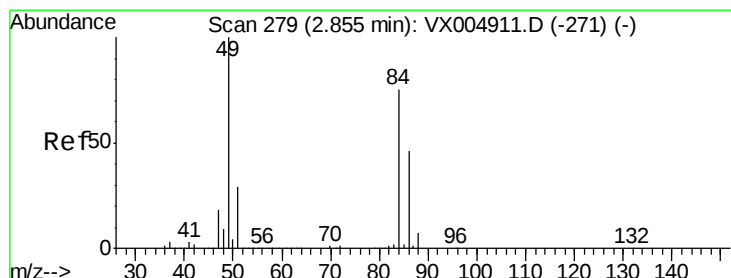
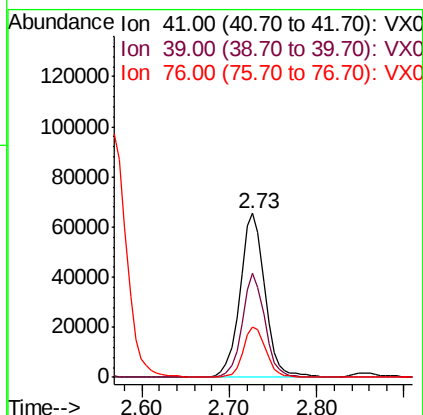
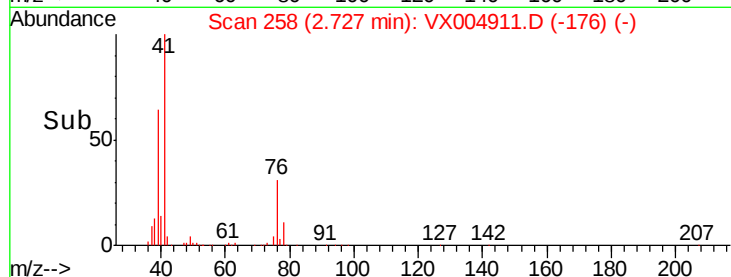
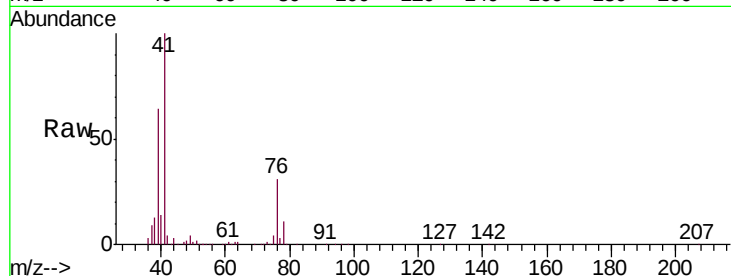




#17  
 Allyl chloride  
 Concen: 20.015 ug/l  
 RT: 2.73 min Scan# 258  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

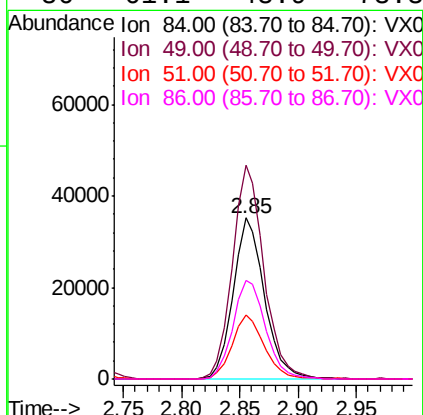
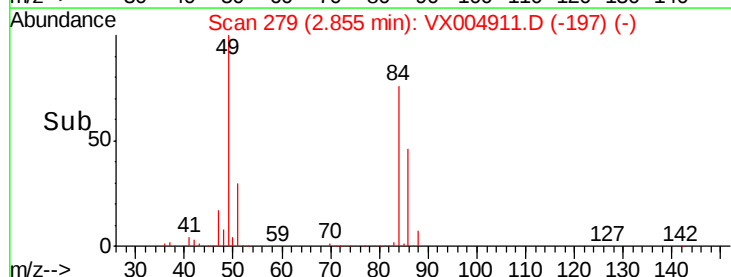
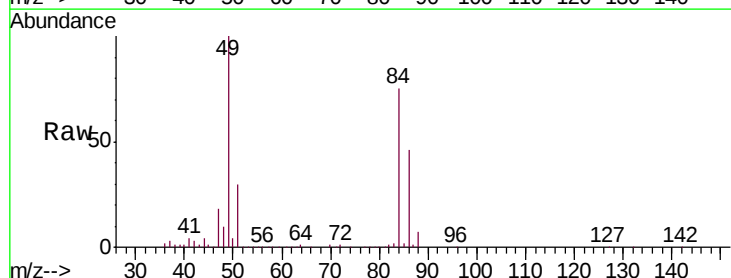
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

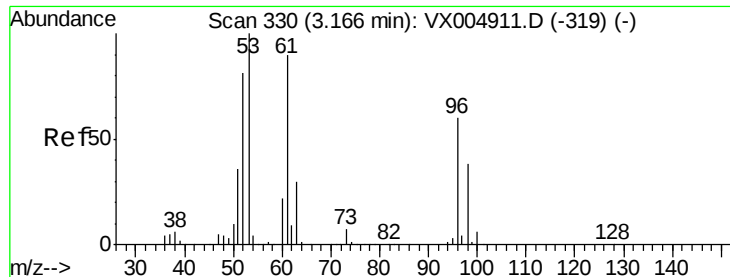
Tgt Ion: 41 Resp: 128648  
 Ion Ratio Lower Upper  
 41 100  
 39 63.6 31.8 95.4  
 76 30.5 15.3 45.8



#18  
 Methylene Chloride  
 Concen: 19.617 ug/l  
 RT: 2.85 min Scan# 279  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 84 Resp: 65944  
 Ion Ratio Lower Upper  
 84 100  
 49 132.8 106.2 159.4  
 51 39.1 31.3 46.9  
 86 61.1 48.9 73.3





#19

trans-1,2-Dichloroethene

Concen: 19.428 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

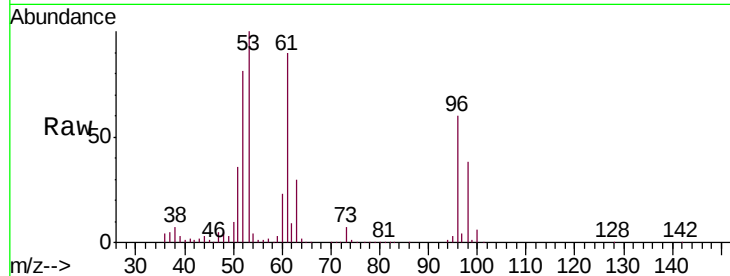
Tgt Ion: 96 Resp: 59997

Ion Ratio Lower Upper

96 100

61 149.4 119.5 179.3

98 63.2 50.6 75.8

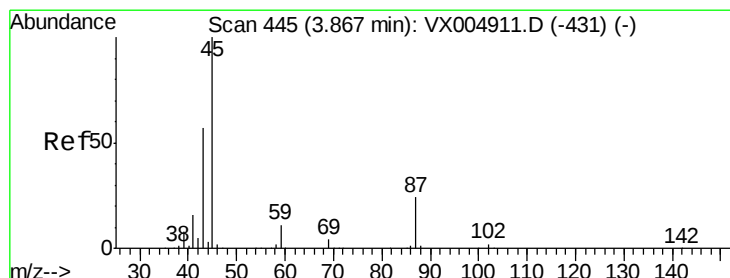
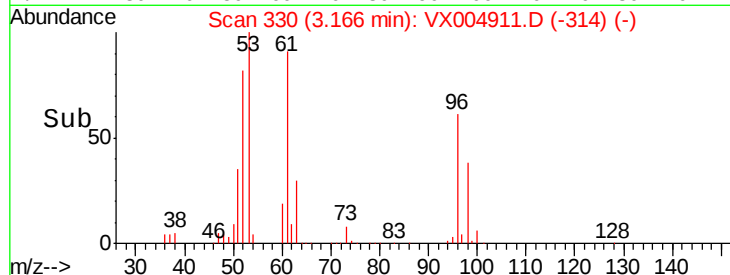
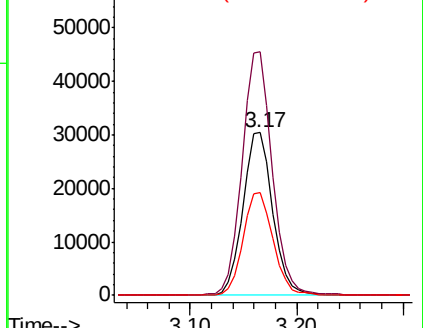


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 19.136 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Tgt Ion: 45 Resp: 209718

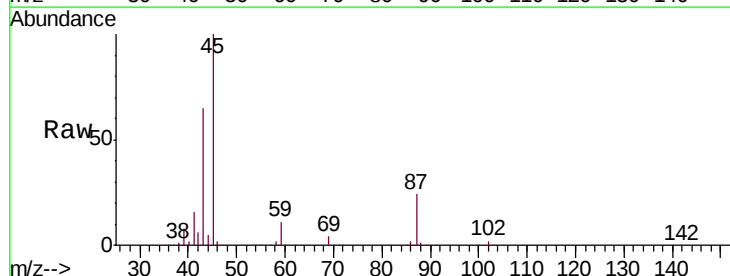
Ion Ratio Lower Upper

45 100

43 62.3 49.8 74.8

87 23.9 19.1 28.7

59 10.9 8.7 13.1



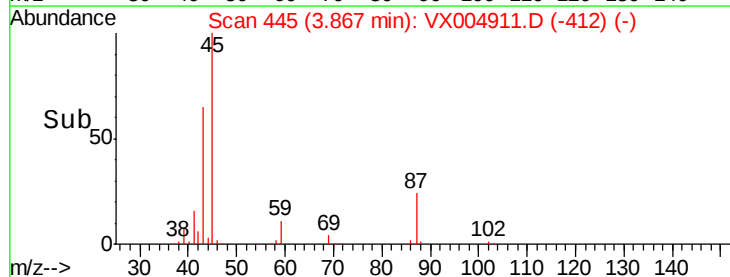
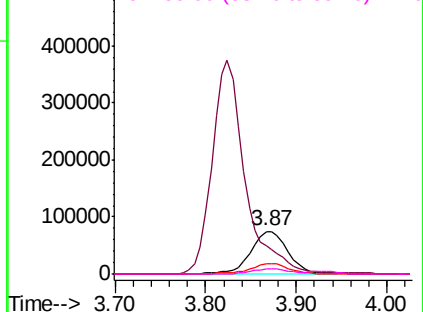
Abundance

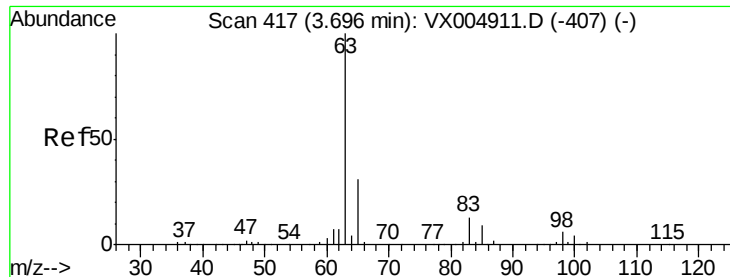
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

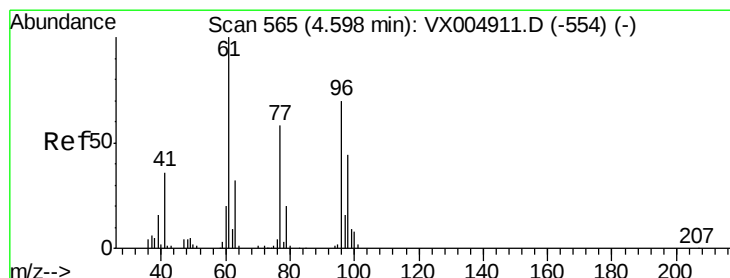
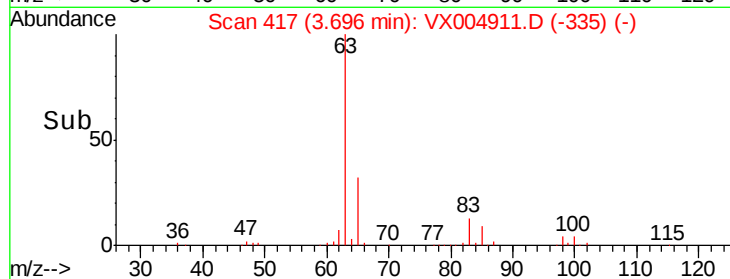
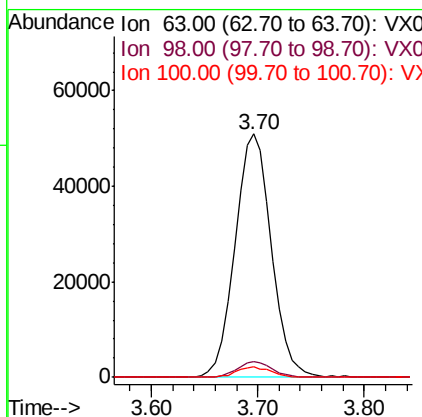
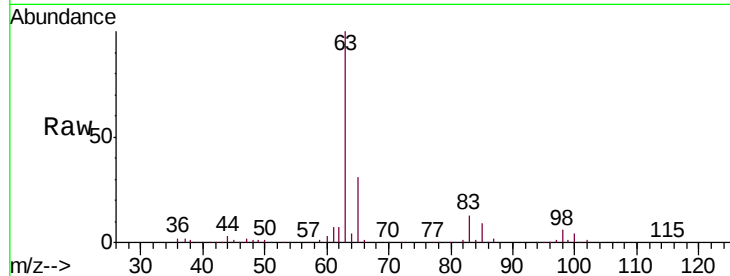




#21  
 1,1-Dichloroethane  
 Concen: 20.037 ug/l  
 RT: 3.70 min Scan# 417  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

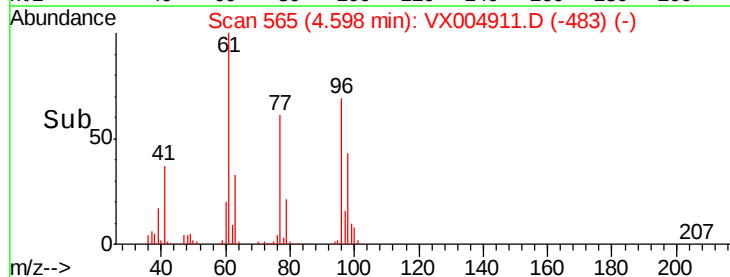
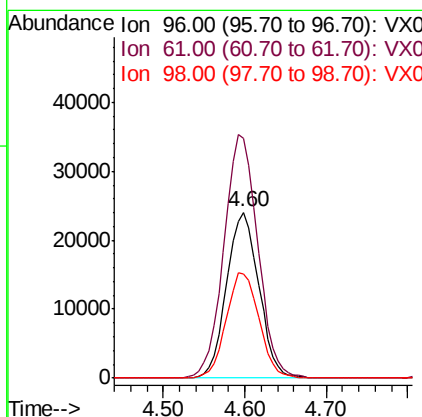
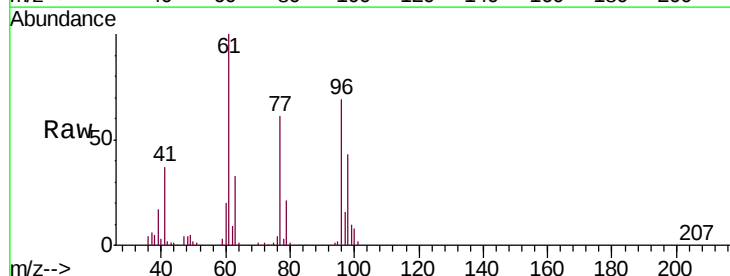
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

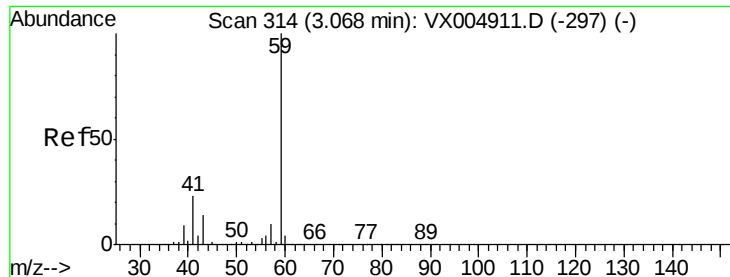
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 6.4   | 3.2   | 9.6   |
| 100     | 4.3   | 2.1   | 6.5   |



#22  
 cis-1,2-Dichloroethene  
 Concen: 19.316 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.1 | 123.3 | 184.9 |
| 98      | 64.2  | 51.4  | 77.0  |



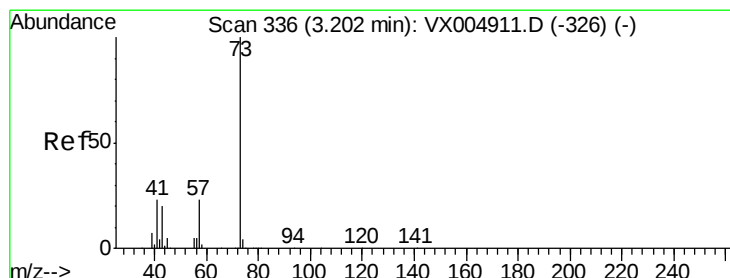
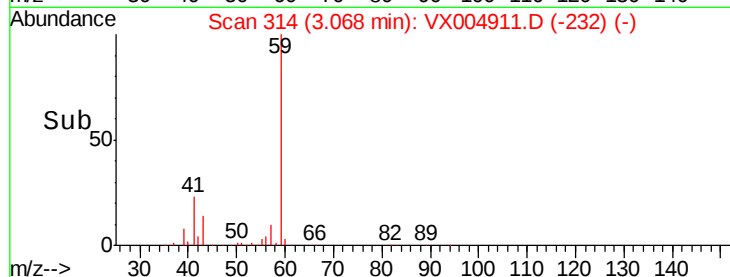
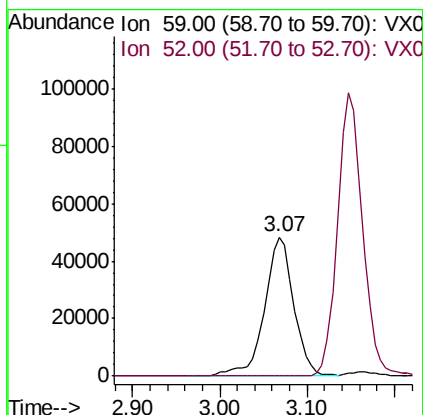
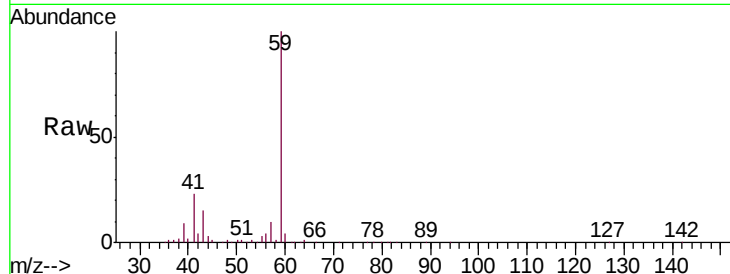


#23

tert-Butyl Alcohol  
 Concen: 103.316 ug/l  
 RT: 3.07 min Scan# 314  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

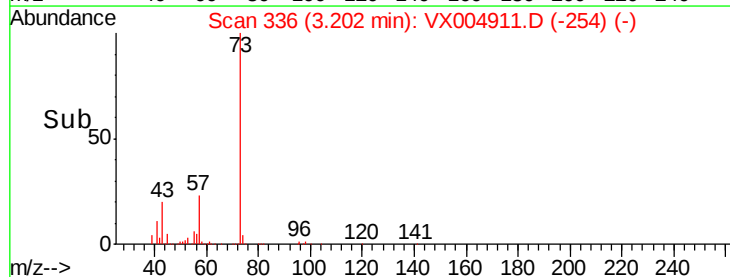
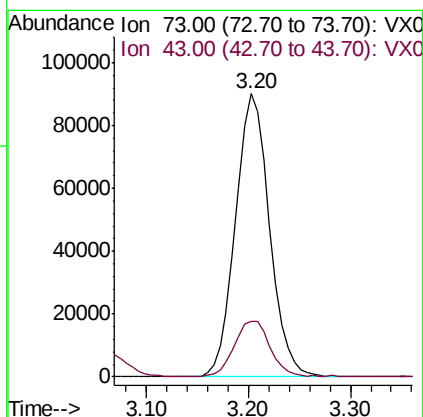
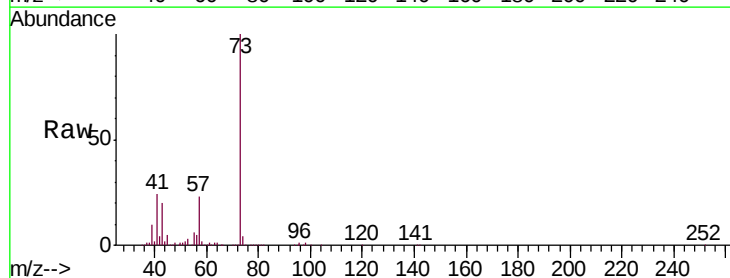
Tgt Ion: 59 Resp: 113615  
 Ion Ratio Lower Upper  
 59 100  
 52 0.1 0.1 0.1

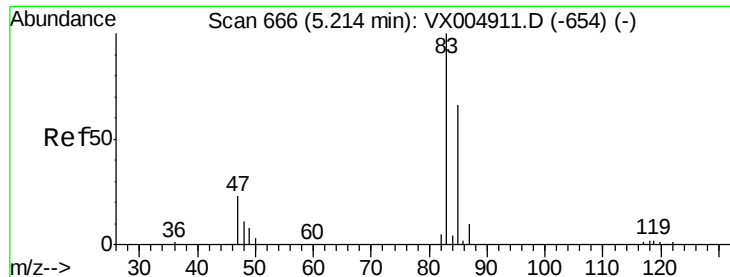


#24

Methyl tert-Butyl Ether  
 Concen: 19.663 ug/l  
 RT: 3.20 min Scan# 336  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 73 Resp: 208870  
 Ion Ratio Lower Upper  
 73 100  
 43 20.4 16.3 24.5

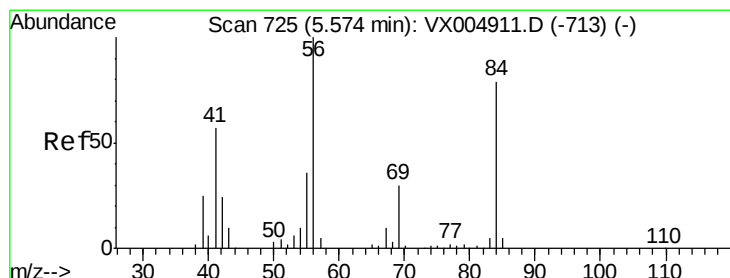
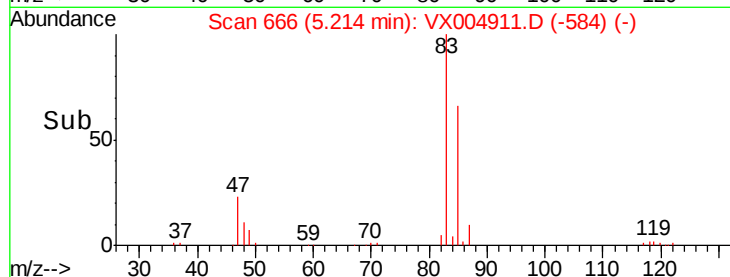
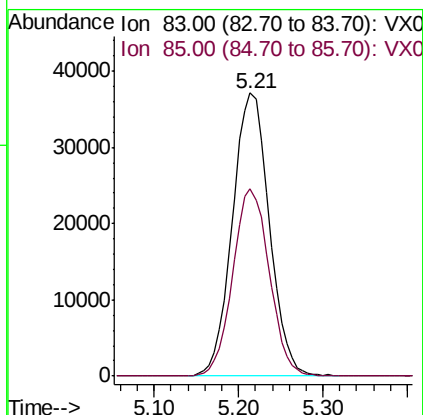
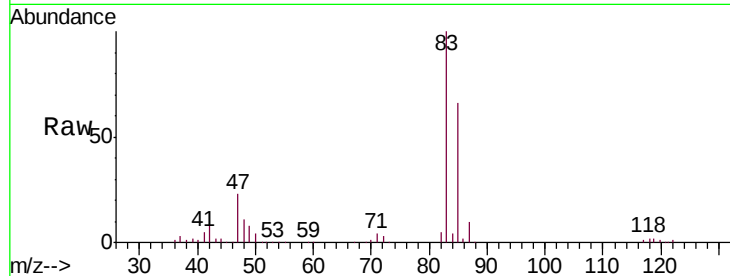




#25  
Chloroform  
Concen: 19.387 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

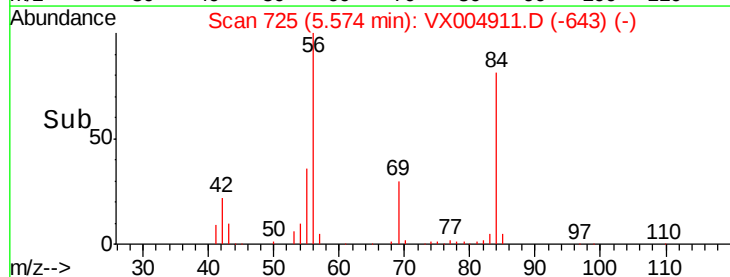
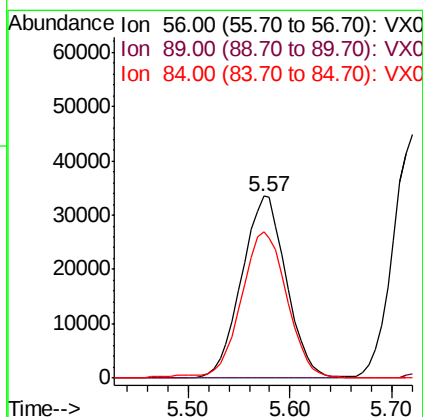
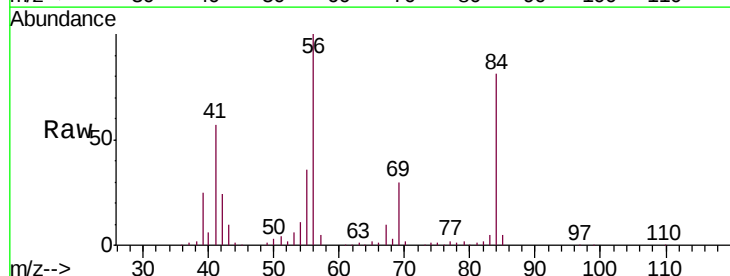
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

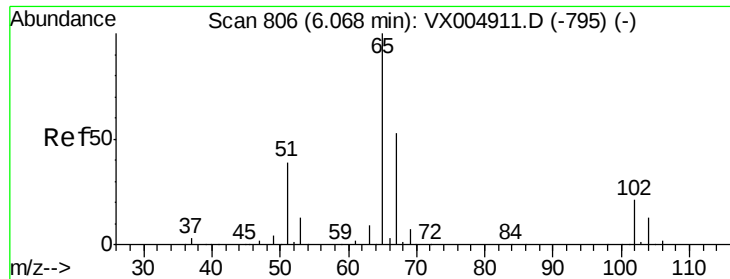
Tgt Ion: 83 Resp: 110175  
Ion Ratio Lower Upper  
83 100  
85 66.4 53.1 79.7



#26  
Cyclohexane  
Concen: 19.498 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Tgt Ion: 56 Resp: 101040  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 82.2 65.8 98.6

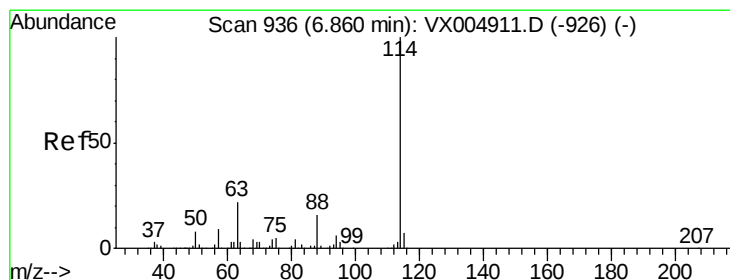
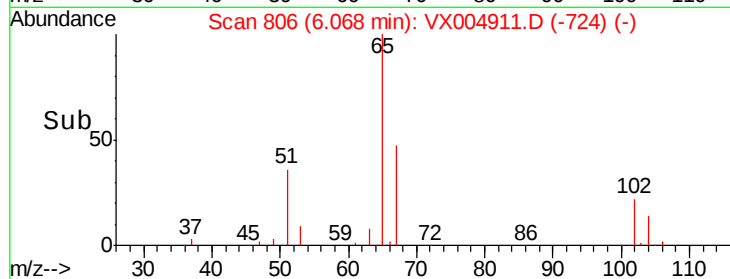
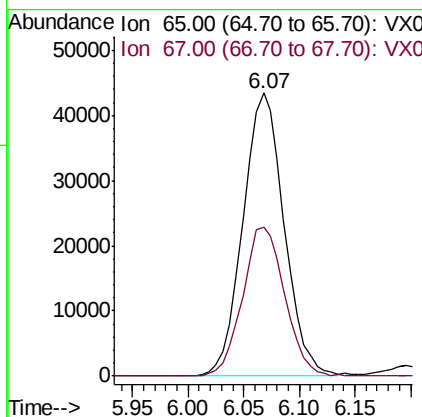
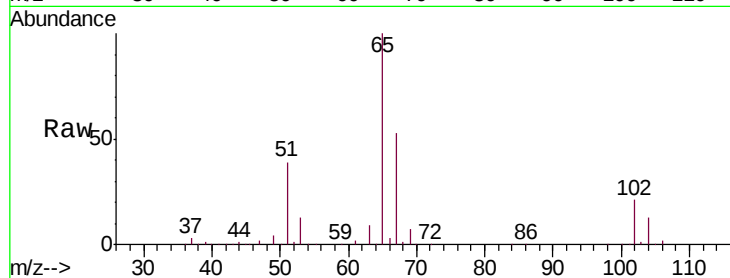




#27  
 1,2-Dichloroethane-d4  
 Concen: 29.119 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

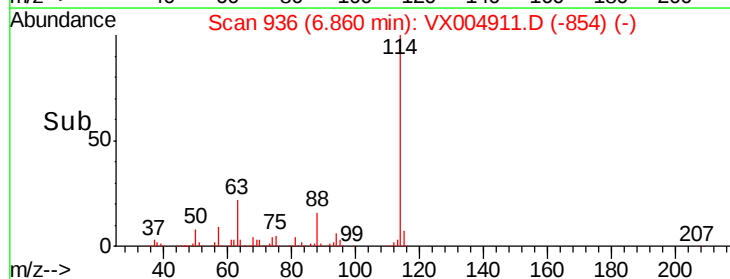
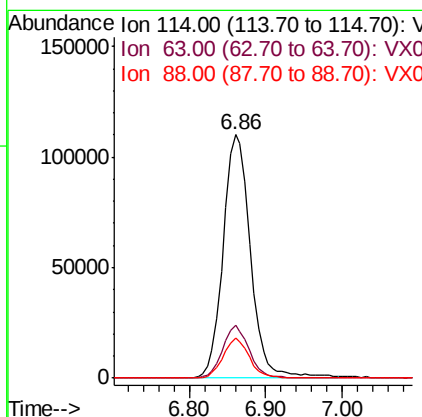
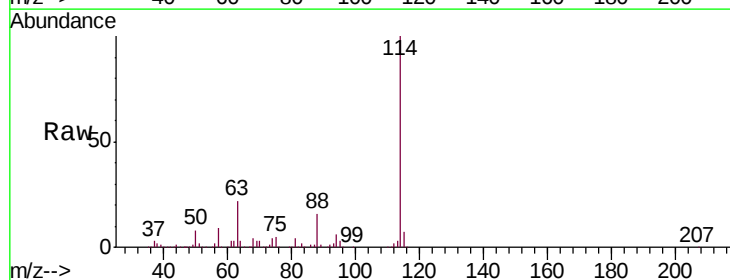
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

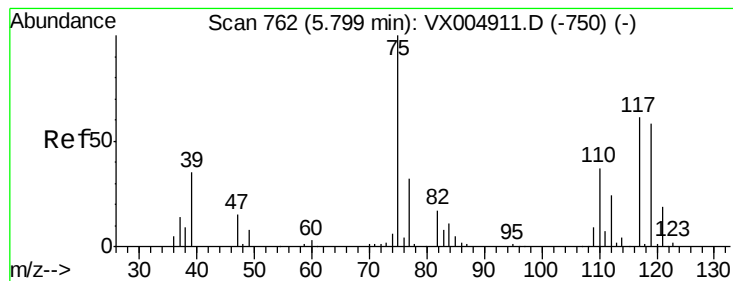
Tgt Ion: 65 Resp: 111775  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 43.0 64.6



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 114 Resp: 272916  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 16.6 24.8  
 88 15.5 12.4 18.6





#29

1,1-Dichloropropene

Concen: 20.062 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

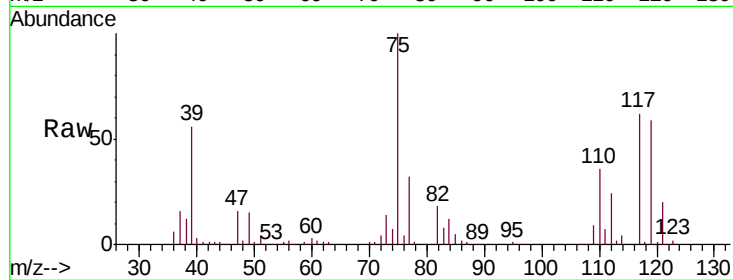
Tgt Ion: 75 Resp: 81023

Ion Ratio Lower Upper

75 100

110 35.4 0.0 70.8

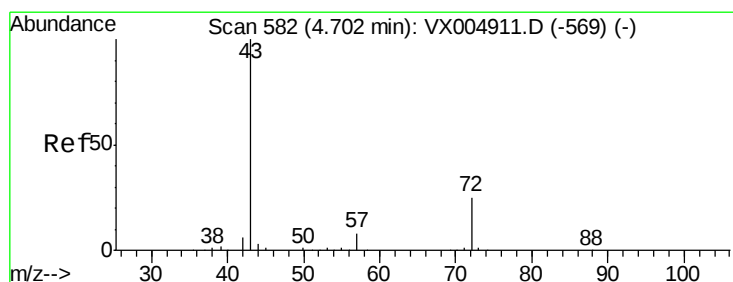
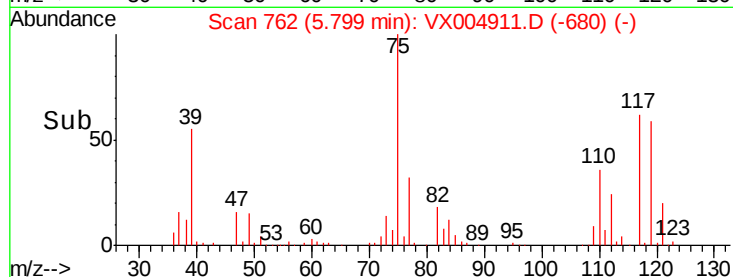
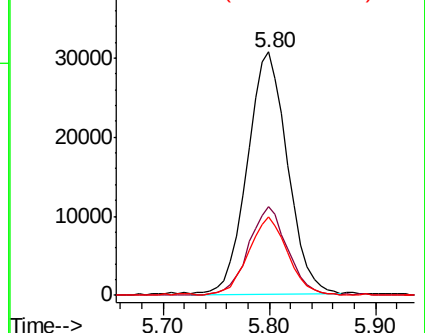
77 31.5 0.0 63.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 106.503 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

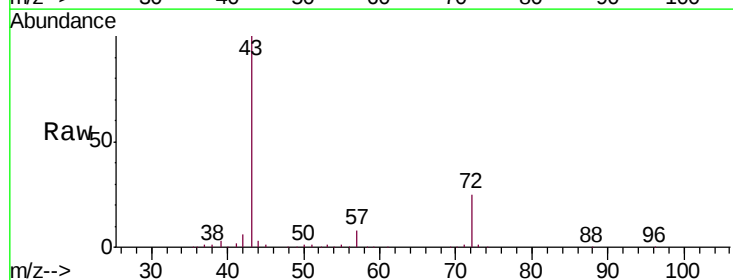
Tgt Ion: 43 Resp: 349698

Ion Ratio Lower Upper

43 100

57 7.8 6.2 9.4

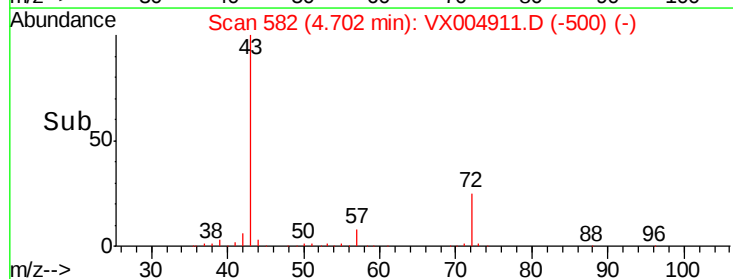
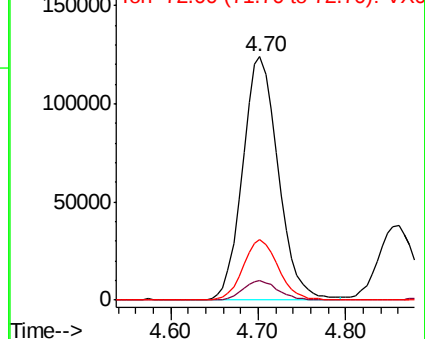
72 24.6 19.7 29.5

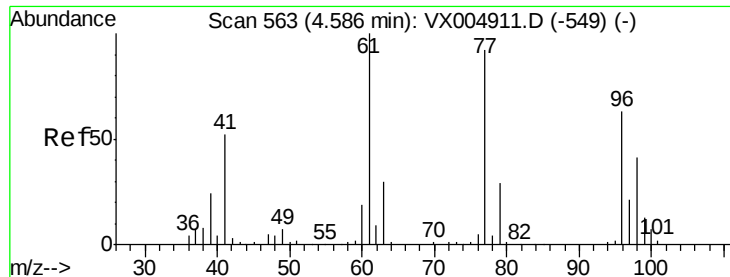


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

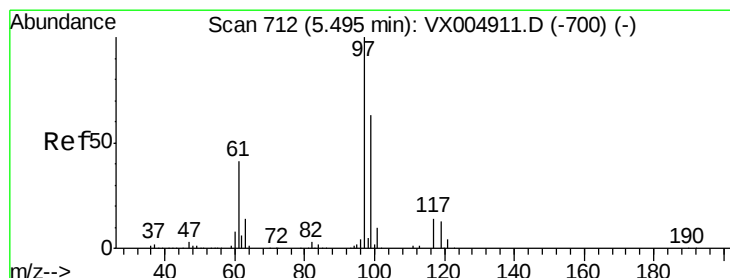
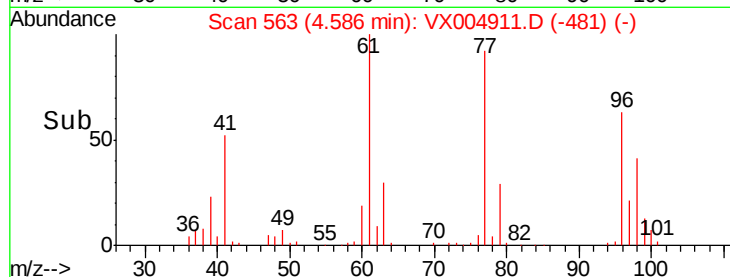
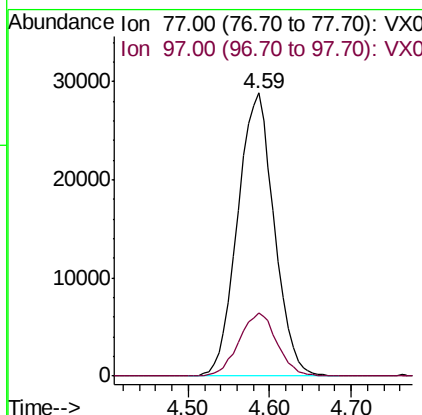
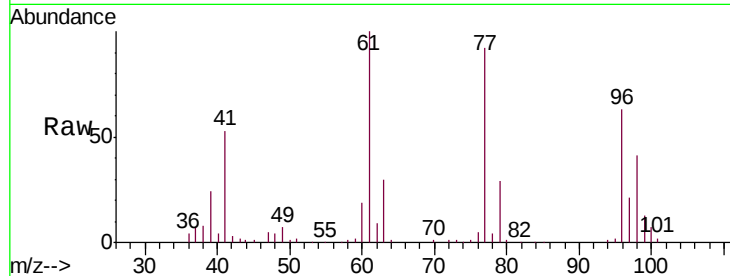




#31  
 2,2-Dichloropropane  
 Concen: 20.256 ug/l  
 RT: 4.59 min Scan# 563  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

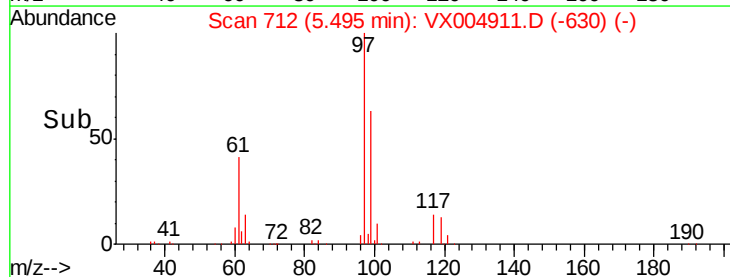
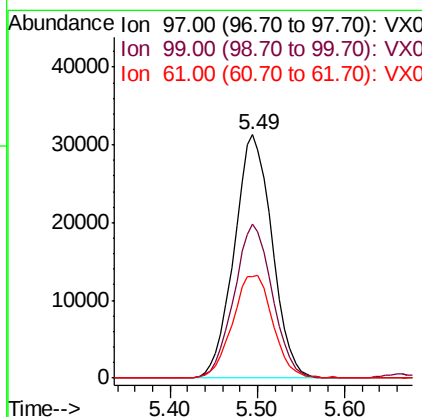
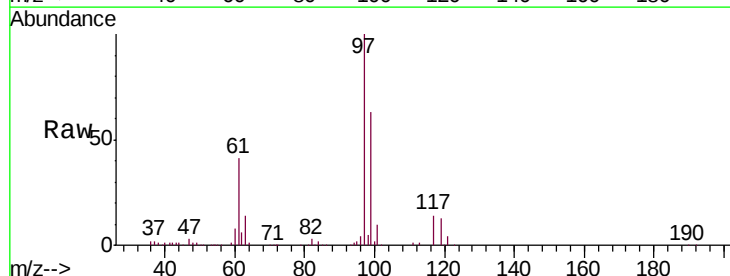
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

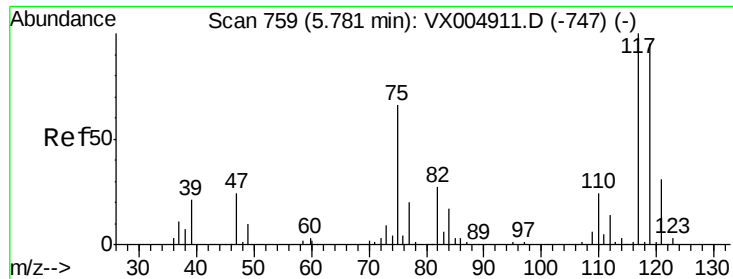
Tgt Ion: 77 Resp: 89753  
 Ion Ratio Lower Upper  
 77 100  
 97 23.1 18.5 27.7



#32  
 1,1,1-Trichloroethane  
 Concen: 20.312 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 97 Resp: 94295  
 Ion Ratio Lower Upper  
 97 100  
 99 63.8 51.0 76.6  
 61 44.7 35.8 53.6

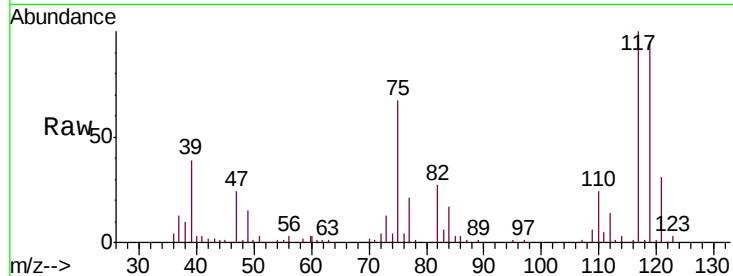




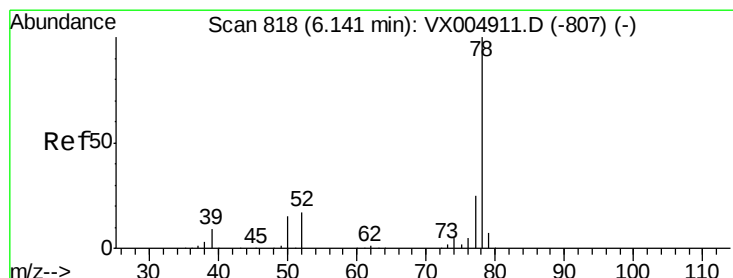
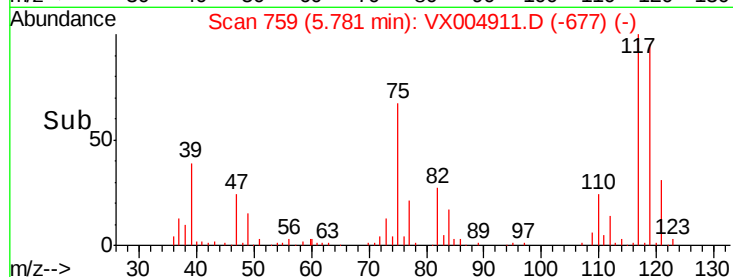
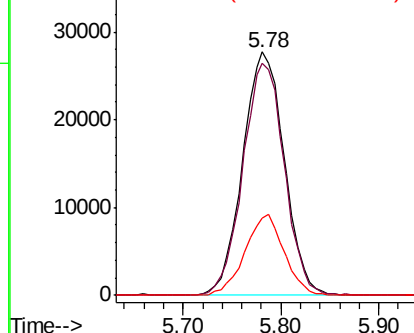
#33  
Carbon Tetrachloride  
Concen: 20.141 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 117 Resp: 82120  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.2 114.4  
121 31.5 25.2 37.8

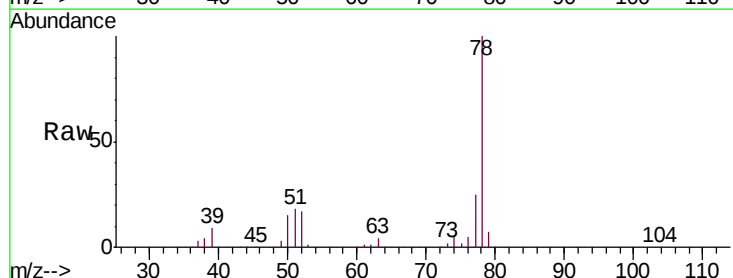


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V

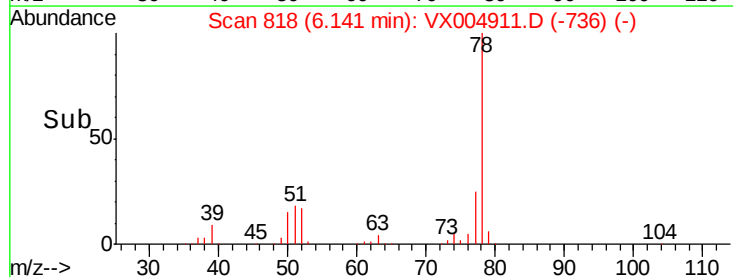
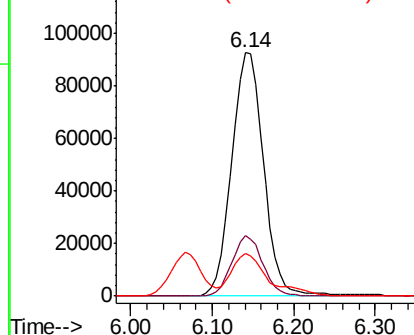


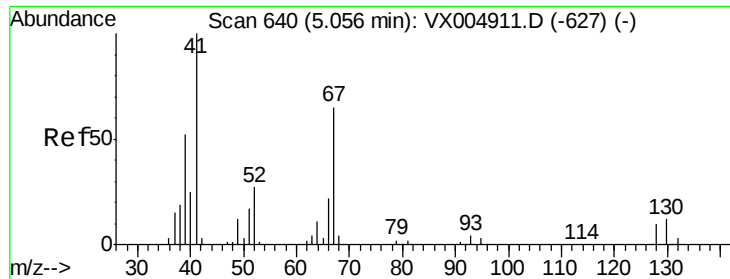
#34  
Benzene  
Concen: 20.432 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Tgt Ion: 78 Resp: 250403  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.8 29.8  
51 17.2 13.8 20.6



Abundance Ion 78.10 (77.80 to 78.80): VX0  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 51.00 (50.70 to 51.70): VX0

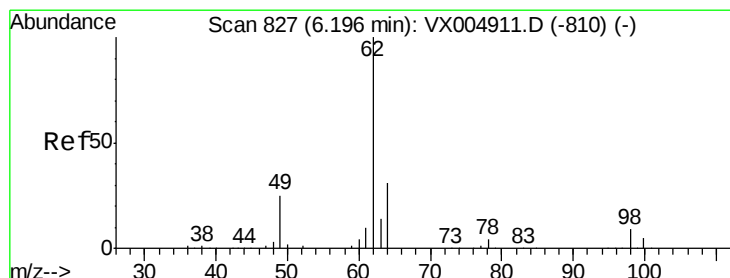
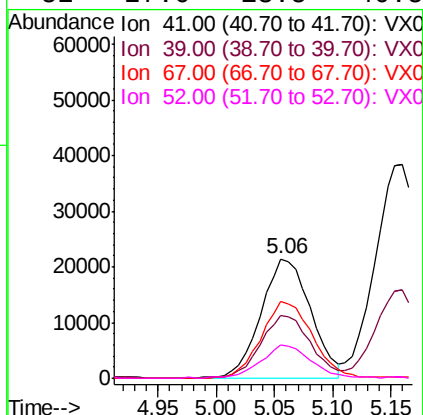
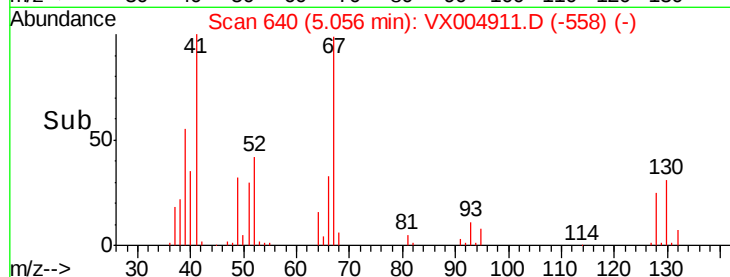
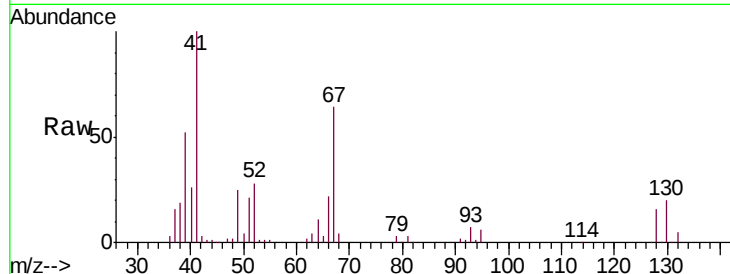




#35  
Methacrylonitrile  
Concen: 20.624 ug/l  
RT: 5.06 min Scan# 640  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

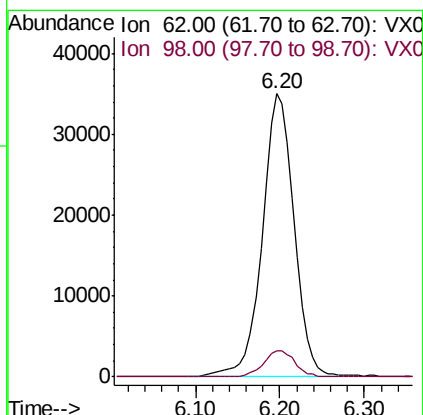
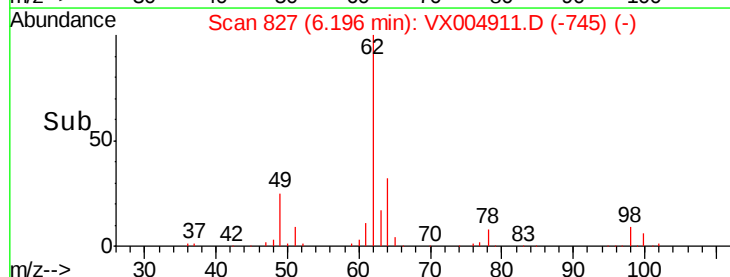
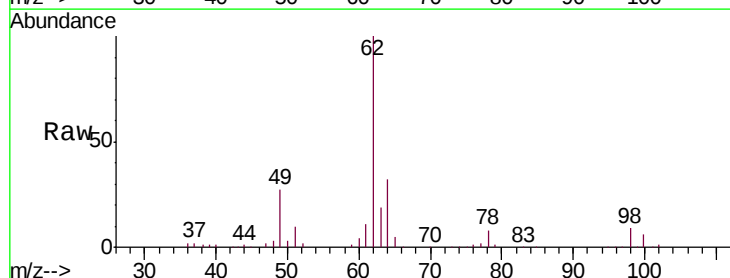
Instrument :  
MSVOA\_X  
ClientSampleID :  
VSTDICCC020

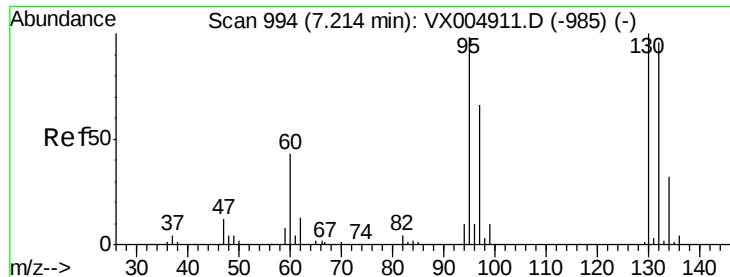
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 62932 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.2  | 26.1  | 78.3  |
| 67       | 64.6  | 32.3  | 96.9  |
| 52       | 27.0  | 13.5  | 40.5  |



#36  
1,2-Dichloroethane  
Concen: 20.613 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 91007 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.4   | 7.5   | 11.3  |

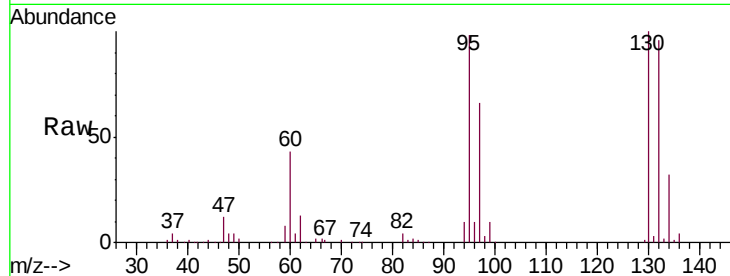




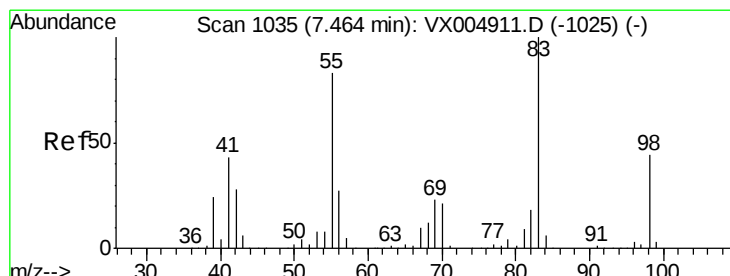
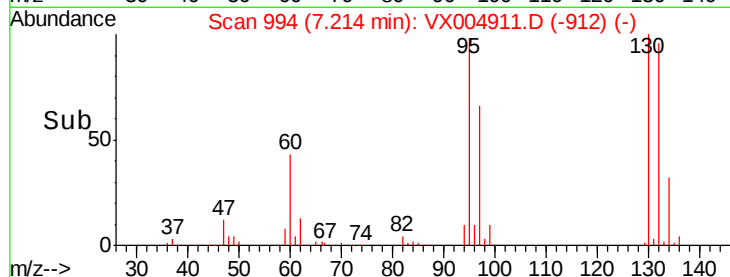
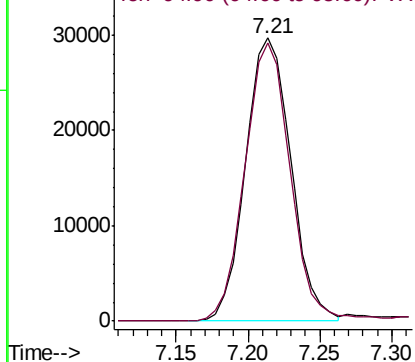
#37  
 Trichloroethene  
 Concen: 20.074 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion:130 Resp: 64803  
 Ion Ratio Lower Upper  
 130 100  
 95 98.1 78.5 117.7

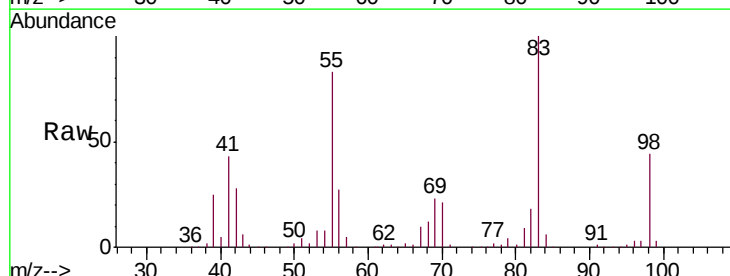


Abundance Ion 129.90 (129.60 to 130.60): V  
 Ion 94.90 (94.60 to 95.60): VX0

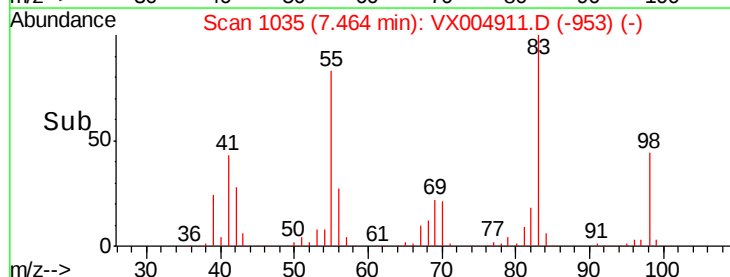
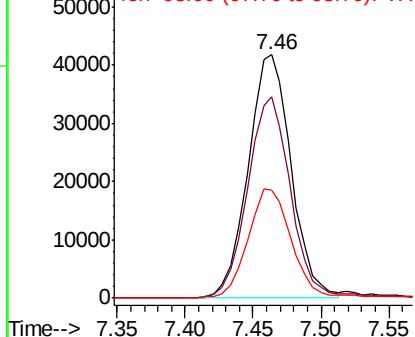


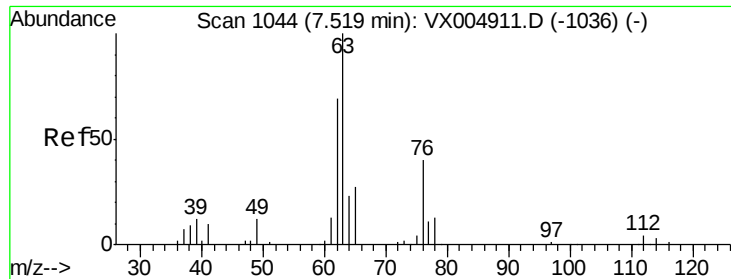
#38  
 Methylcyclohexane  
 Concen: 19.329 ug/l  
 RT: 7.46 min Scan# 1035  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 83 Resp: 92680  
 Ion Ratio Lower Upper  
 83 100  
 55 83.5 41.8 125.3  
 98 44.9 22.4 67.3



Abundance Ion 83.00 (82.70 to 83.70): VX0  
 Ion 55.00 (54.70 to 55.70): VX0  
 Ion 98.00 (97.70 to 98.70): VX0

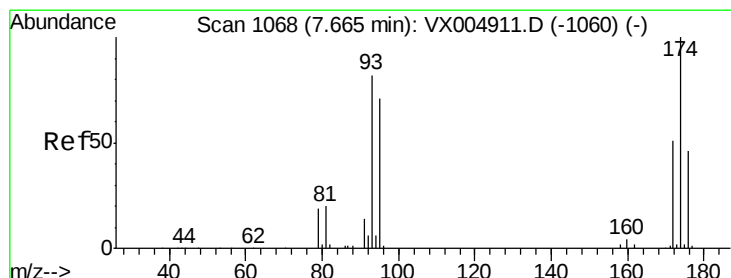
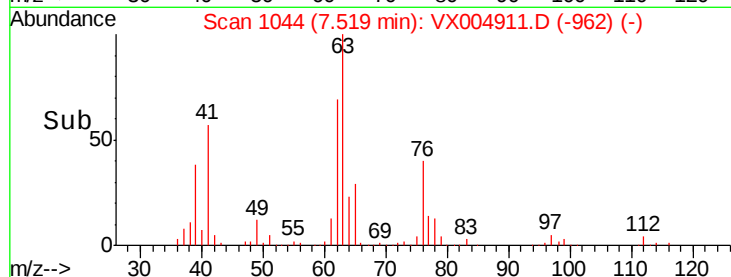
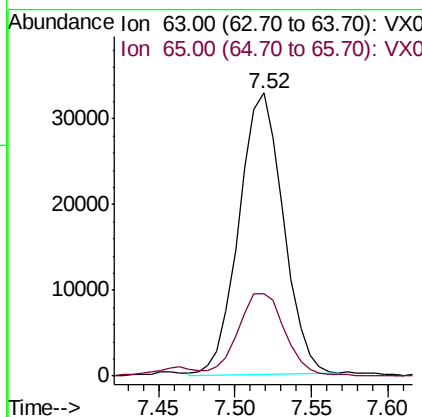
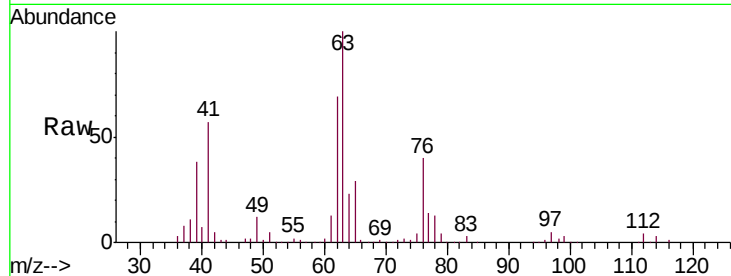




#39  
 1,2-Dichloropropane  
 Concen: 20.203 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

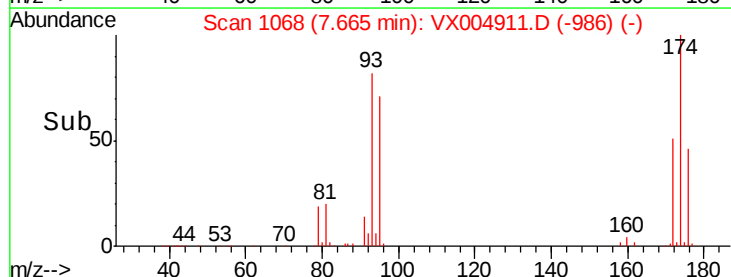
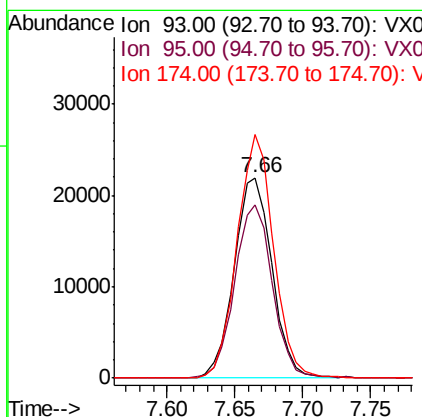
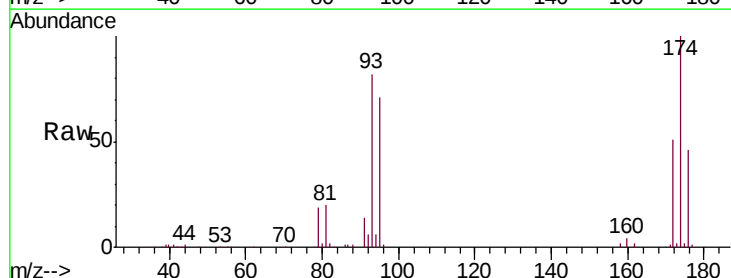
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

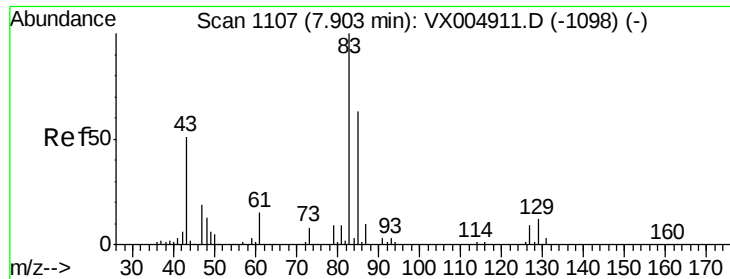
Tgt Ion: 63 Resp: 65971  
 Ion Ratio Lower Upper  
 63 100  
 65 29.0 23.2 34.8



#40  
 Dibromomethane  
 Concen: 20.155 ug/l  
 RT: 7.66 min Scan# 1068  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 93 Resp: 42656  
 Ion Ratio Lower Upper  
 93 100  
 95 86.2 0.0 172.4  
 174 117.0 0.0 234.0

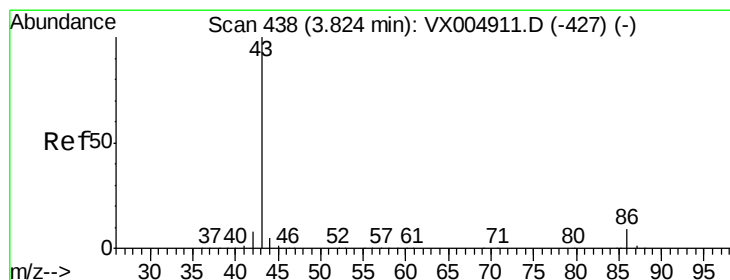
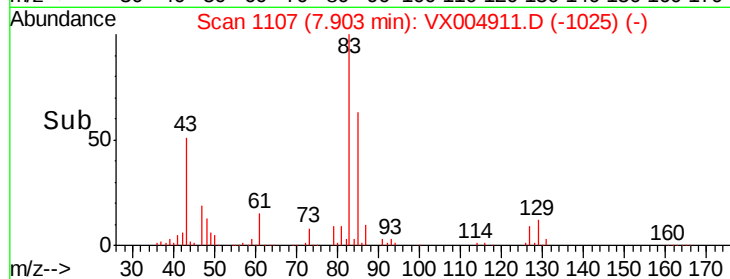
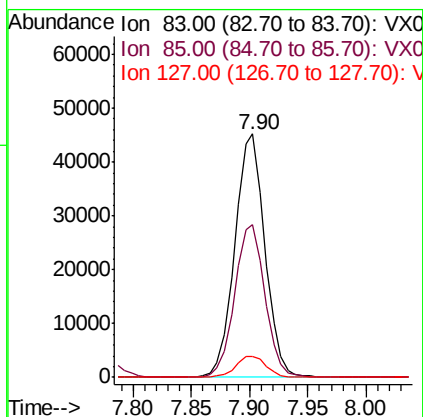
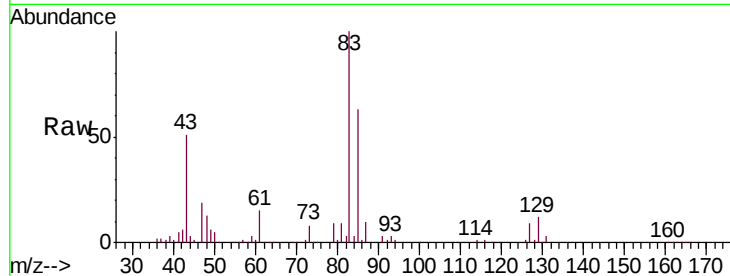




#41  
 Bromodichloromethane  
 Concen: 19.973 ug/l  
 RT: 7.90 min Scan# 1107  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

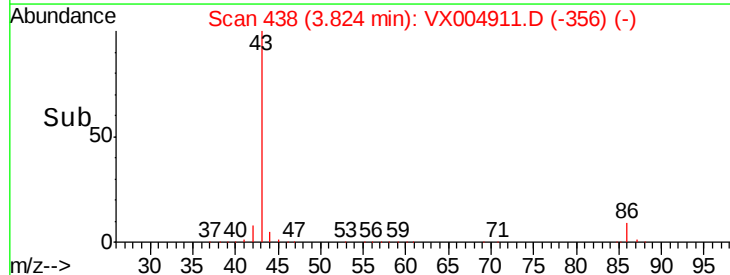
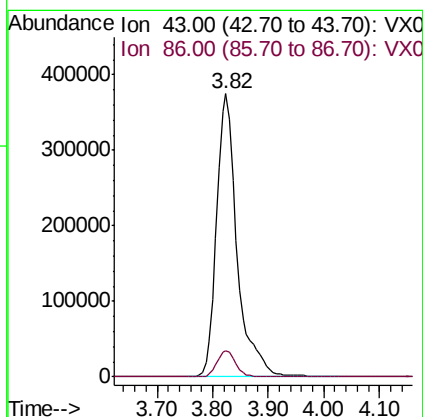
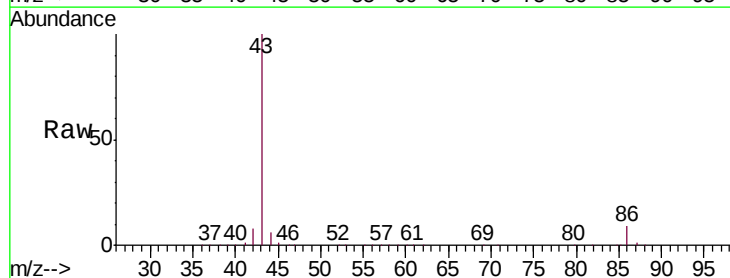
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

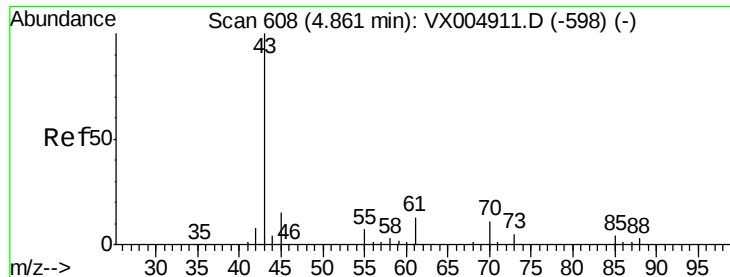
Tgt Ion: 83 Resp: 81492  
 Ion Ratio Lower Upper  
 83 100  
 85 62.8 50.2 75.4  
 127 8.6 6.9 10.3



#42  
 Vinyl Acetate  
 Concen: 101.321 ug/l  
 RT: 3.82 min Scan# 438  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 43 Resp: 962491  
 Ion Ratio Lower Upper  
 43 100  
 86 8.3 6.6 10.0





#43

Ethyl Acetate

Concen: 20.249 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

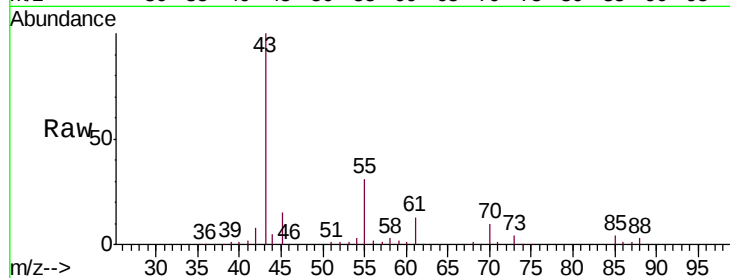
VSTDICCC020

Tgt Ion: 43 Resp: 109673

Ion Ratio Lower Upper

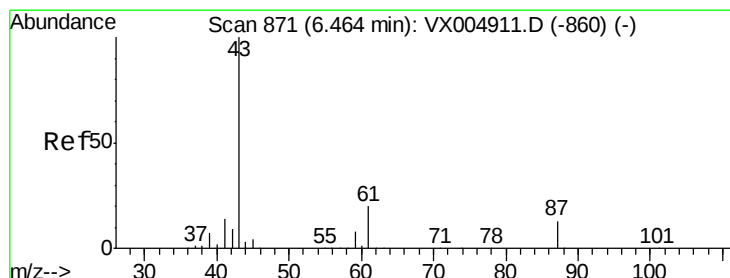
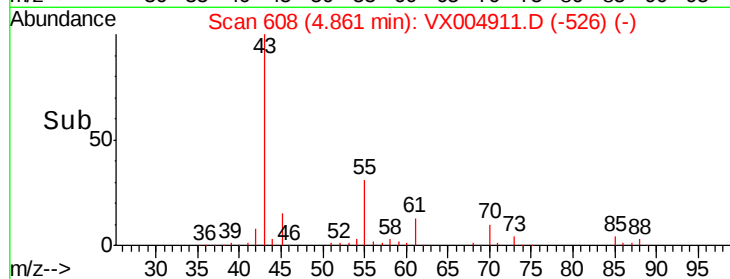
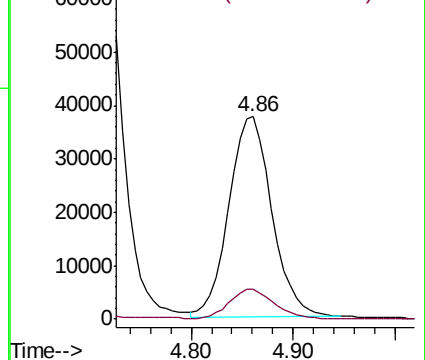
43 100

45 15.4 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 20.129 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004911.D

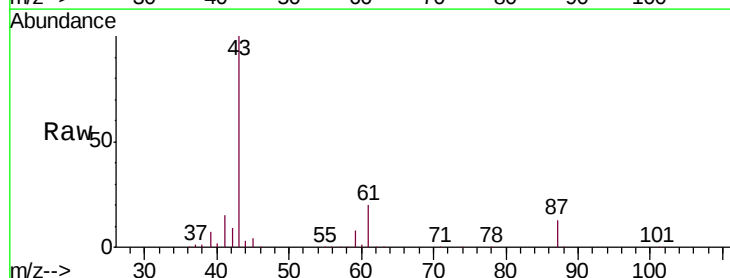
Acq: 02 Oct 2018 10:31

Tgt Ion: 43 Resp: 162703

Ion Ratio Lower Upper

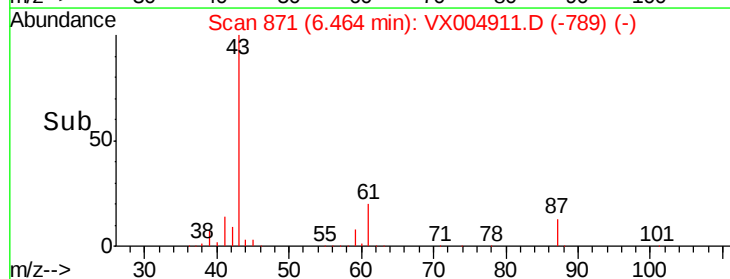
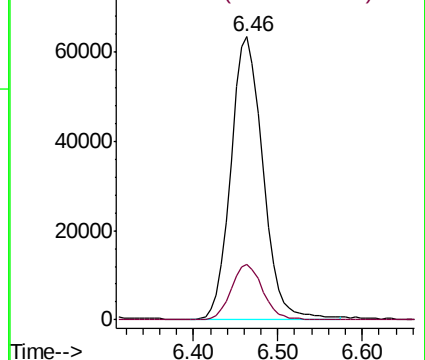
43 100

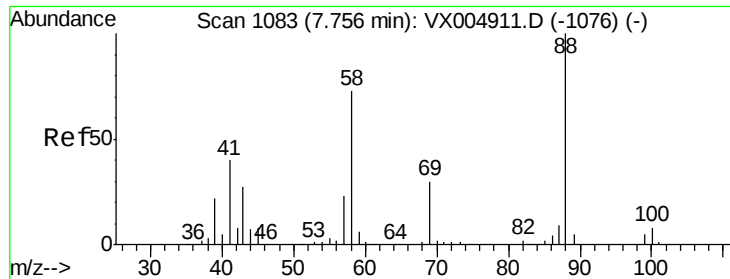
61 19.6 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

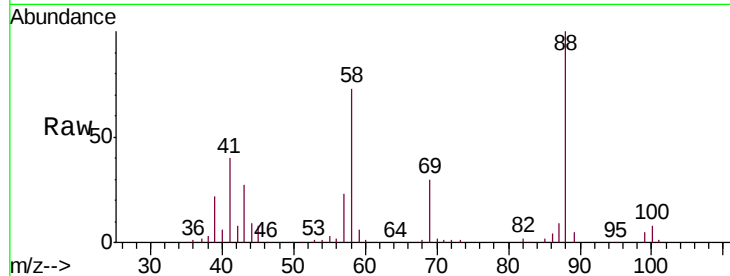




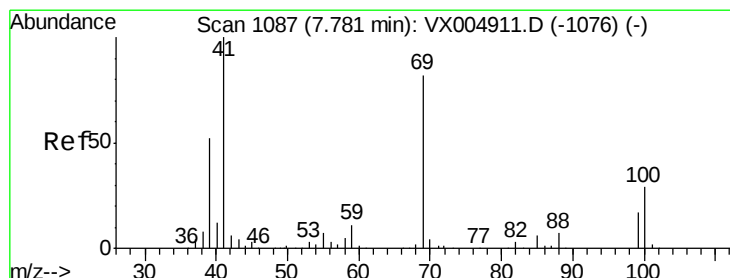
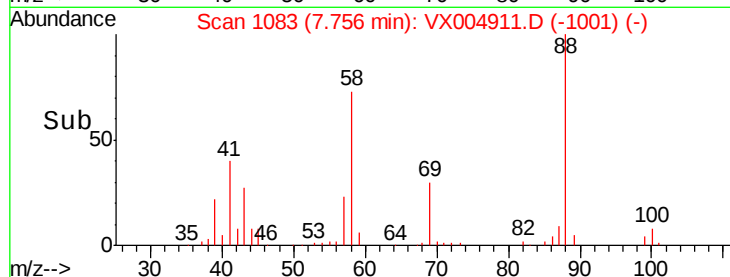
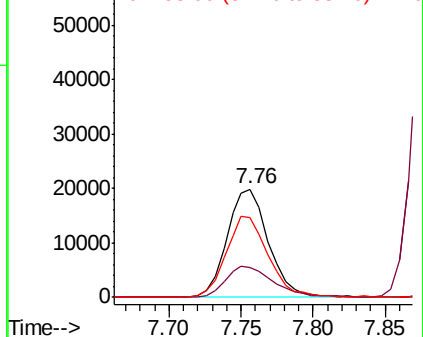
#45  
 1,4-Dioxane  
 Concen: 416.687 ug/l  
 RT: 7.76 min Scan# 1083  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion: 88 Resp: 39680  
 Ion Ratio Lower Upper  
 88 100  
 43 31.7 25.4 38.0  
 58 76.3 61.0 91.6

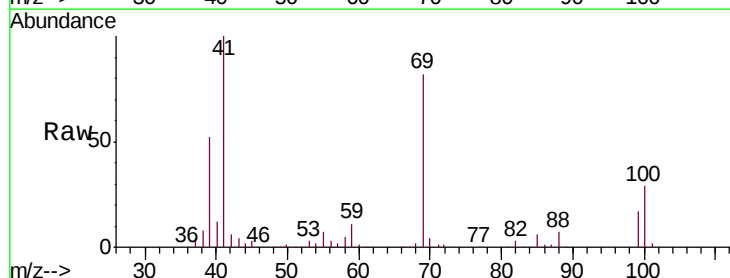


Abundance Ion 88.00 (87.70 to 88.70): VX0  
 Ion 43.00 (42.70 to 43.70): VX0  
 Ion 58.00 (57.70 to 58.70): VX0

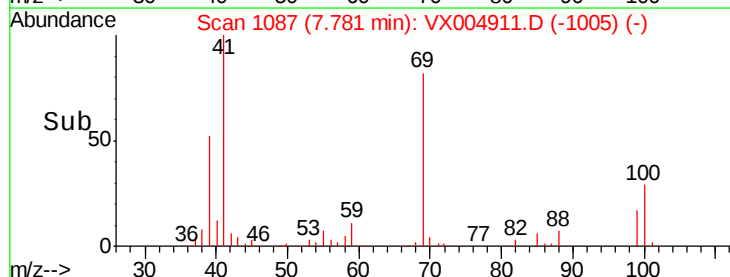
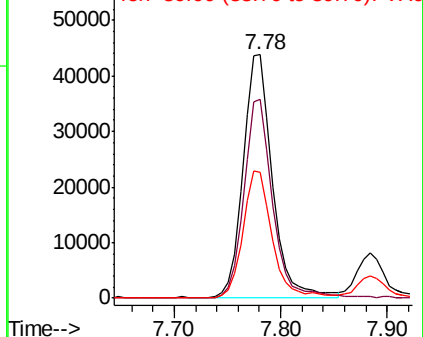


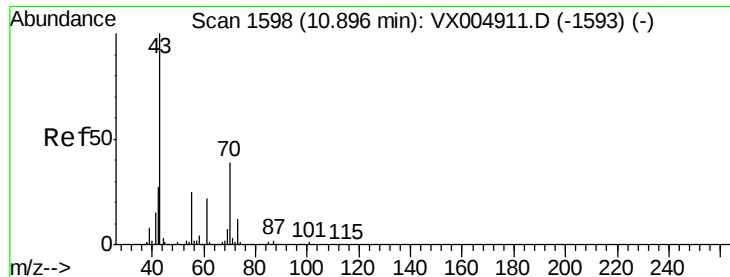
#46  
 Methyl methacrylate  
 Concen: 20.121 ug/l  
 RT: 7.78 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 41 Resp: 84378  
 Ion Ratio Lower Upper  
 41 100  
 69 82.0 41.0 123.0  
 39 51.8 25.9 77.7



Abundance Ion 41.00 (40.70 to 41.70): VX0  
 Ion 69.00 (68.70 to 69.70): VX0  
 Ion 39.00 (38.70 to 39.70): VX0





#47

n-amy1 Acetate

Concen: 18.964 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

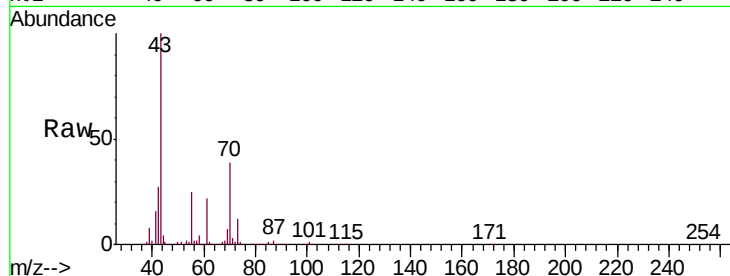
VSTDICCC020

Tgt Ion: 43 Resp: 141422

Ion Ratio Lower Upper

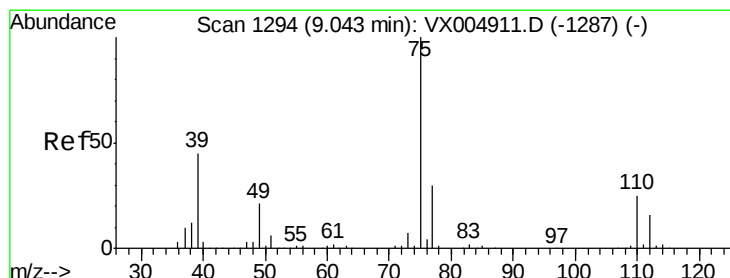
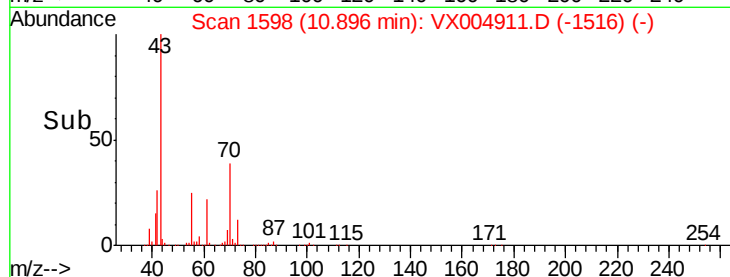
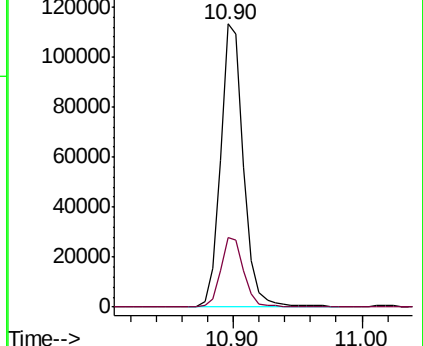
43 100

55 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 18.393 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004911.D

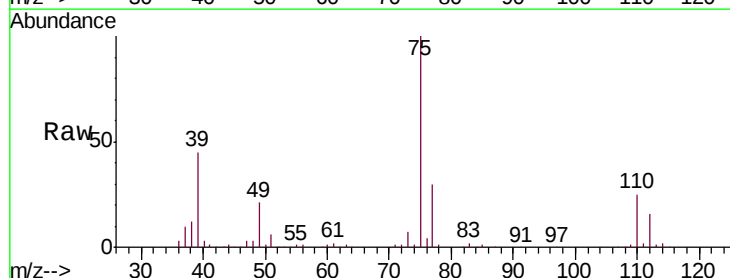
Acq: 02 Oct 2018 10:31

Tgt Ion: 75 Resp: 90939

Ion Ratio Lower Upper

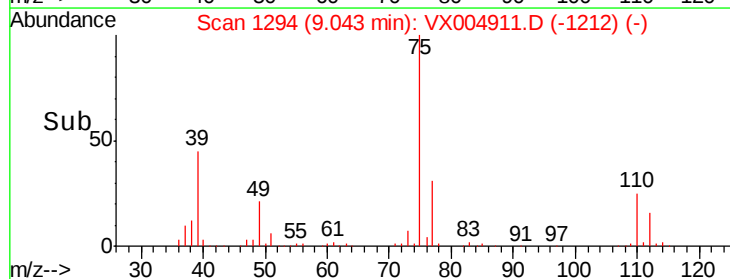
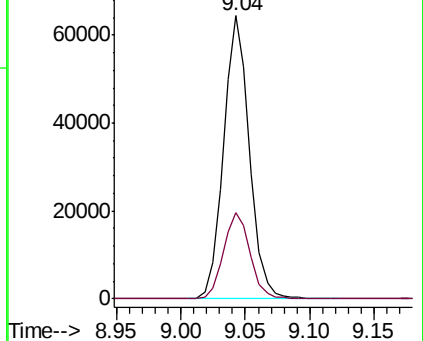
75 100

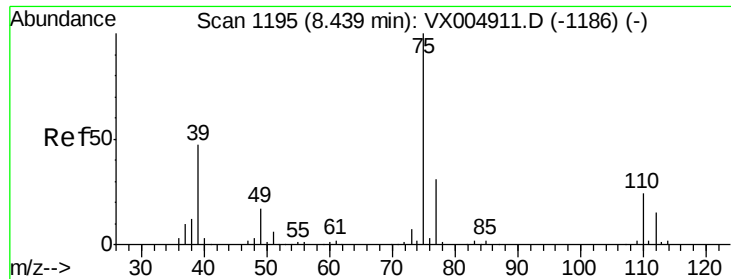
77 30.5 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

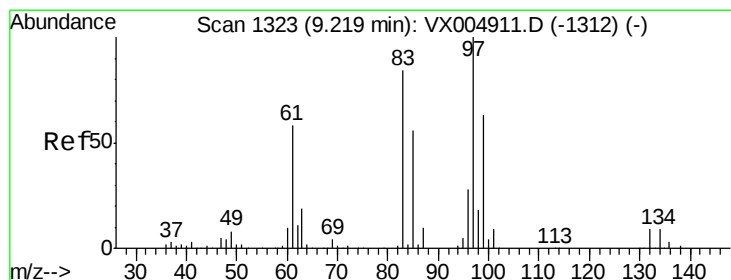
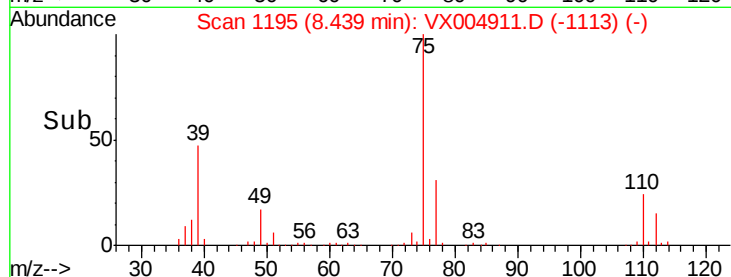
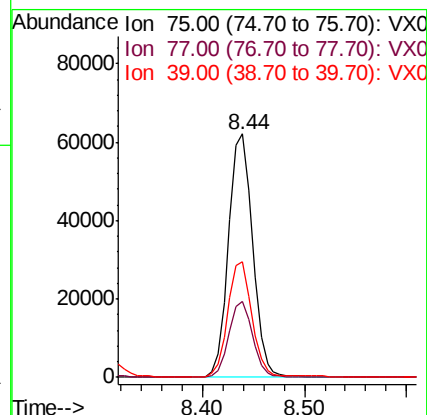
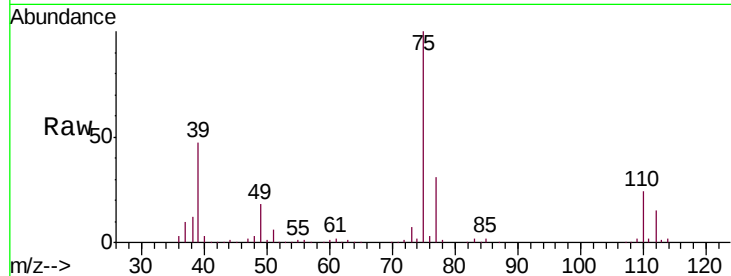




#49  
 cis-1,3-Dichloropropene  
 Concen: 21.432 ug/l  
 RT: 8.44 min Scan# 1195  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

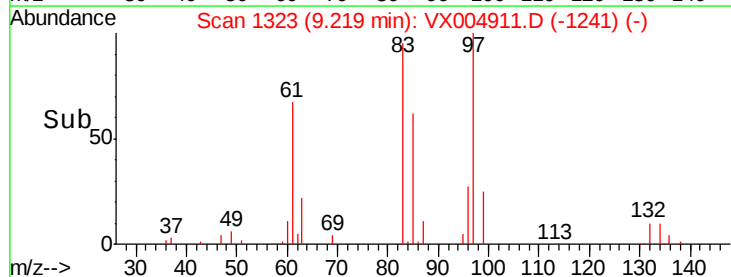
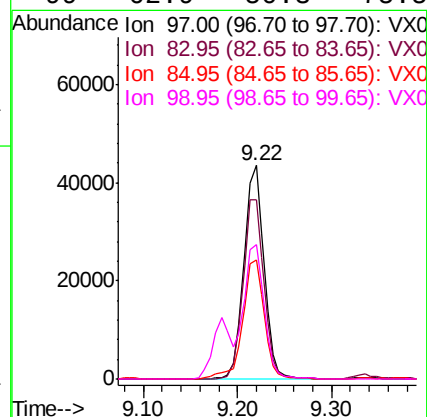
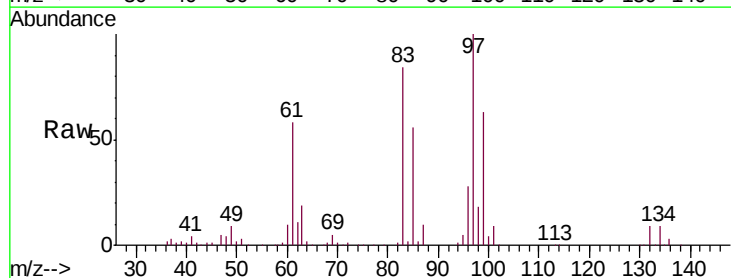
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

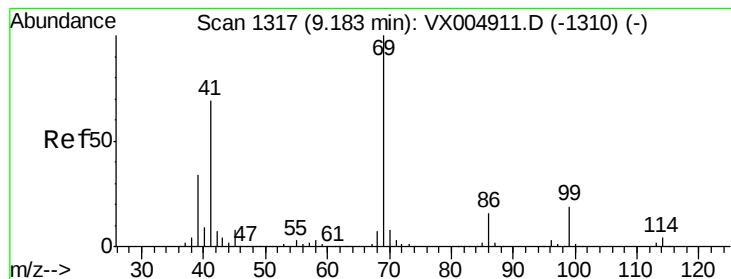
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 24.9  | 37.3  |
| 39      | 47.4  | 38.0  | 57.0  |



#50  
 1,1,2-Trichloroethane  
 Concen: 20.337 ug/l  
 RT: 9.22 min Scan# 1323  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.0  | 67.2  | 100.8 |
| 85      | 55.9  | 44.7  | 67.1  |
| 99      | 62.9  | 50.3  | 75.5  |





#51

Ethyl methacrylate

Concen: 19.375 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

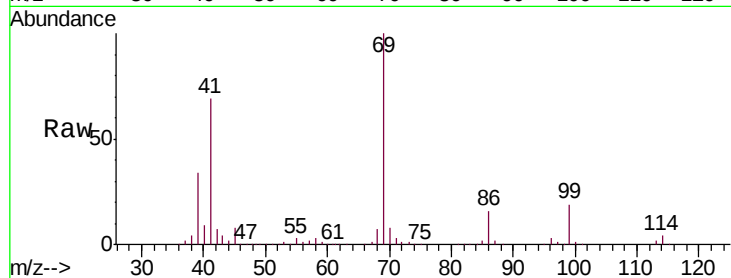
Tgt Ion: 69 Resp: 98524

Ion Ratio Lower Upper

69 100

41 69.3 34.6 103.9

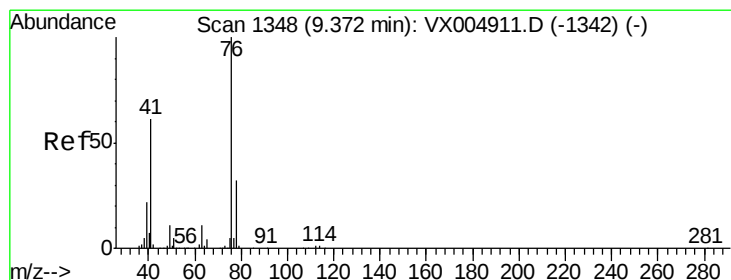
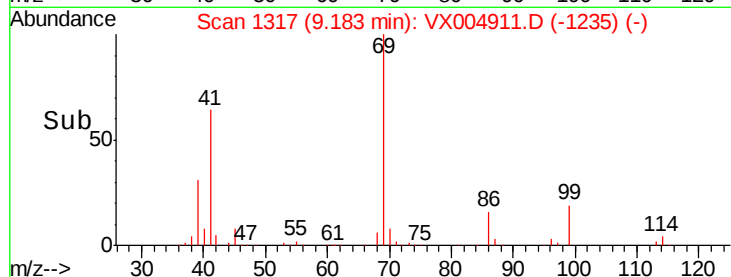
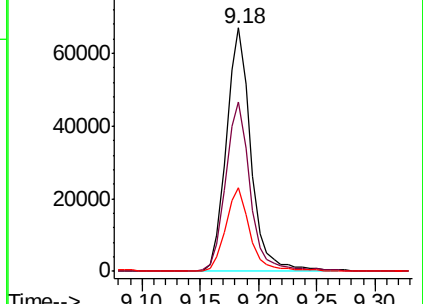
39 34.0 17.0 51.0



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 20.471 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004911.D

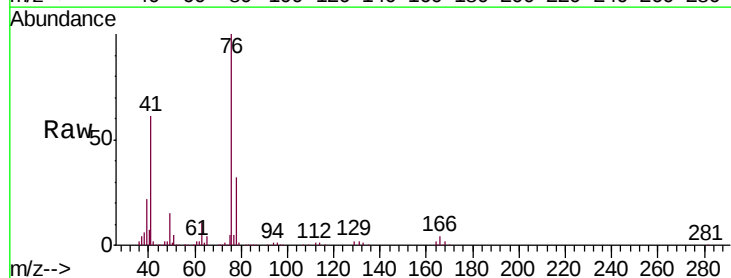
Acq: 02 Oct 2018 10:31

Tgt Ion: 76 Resp: 110659

Ion Ratio Lower Upper

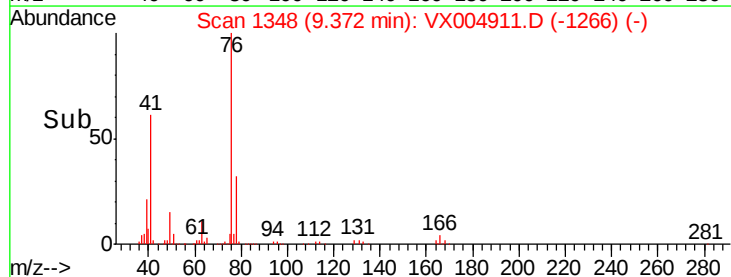
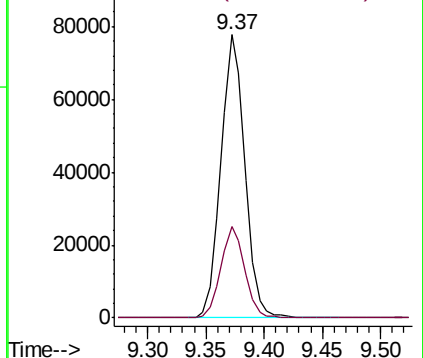
76 100

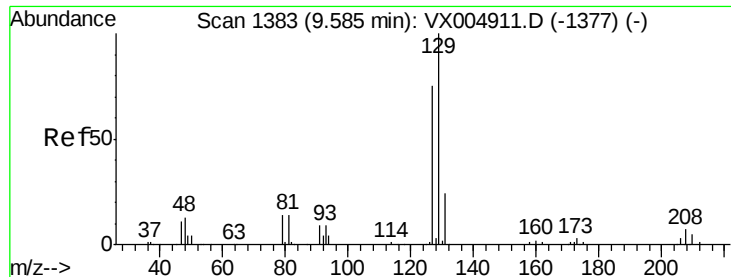
78 32.2 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.521 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

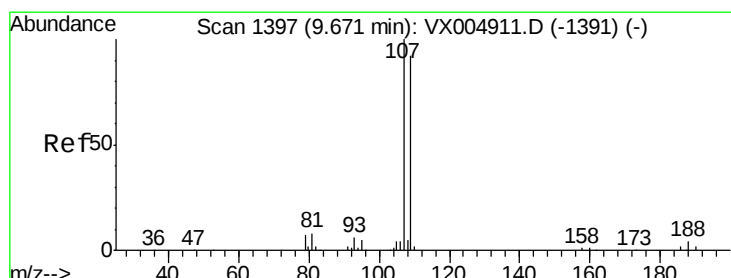
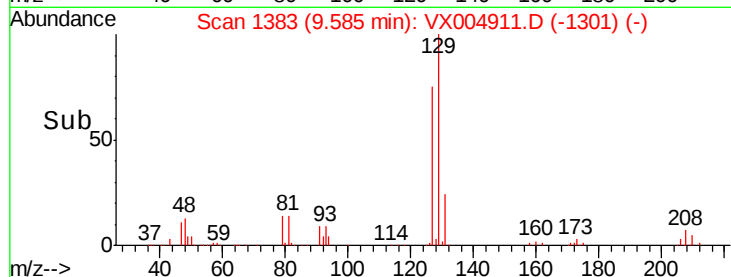
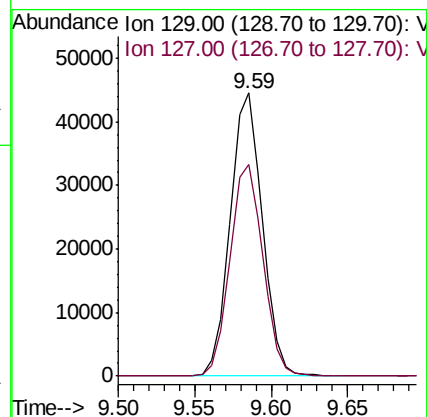
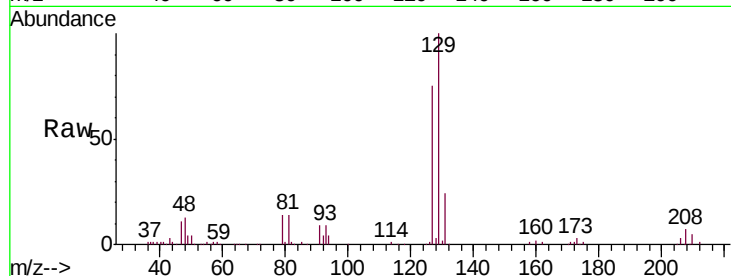
VSTDICCC020

Tgt Ion:129 Resp: 64896

Ion Ratio Lower Upper

129 100

127 76.6 38.3 114.9



#54

1,2-Dibromoethane

Concen: 20.297 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004911.D

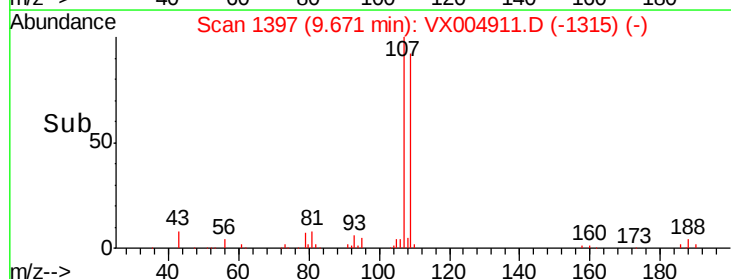
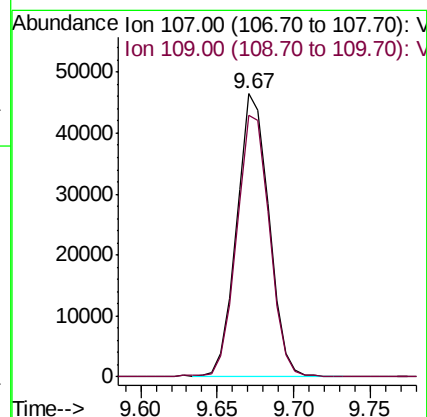
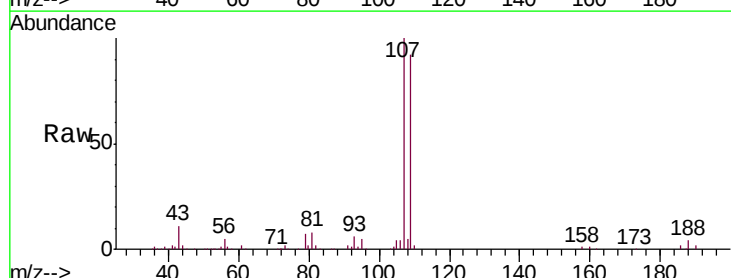
Acq: 02 Oct 2018 10:31

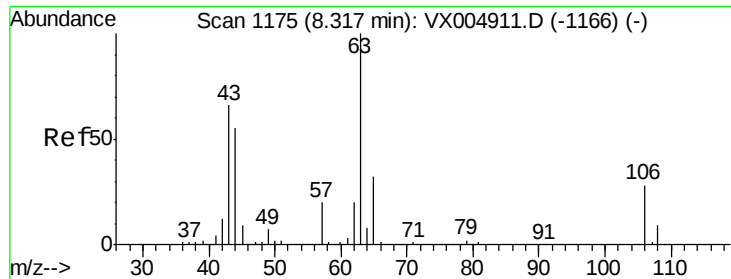
Tgt Ion:107 Resp: 67776

Ion Ratio Lower Upper

107 100

109 93.5 74.8 112.2

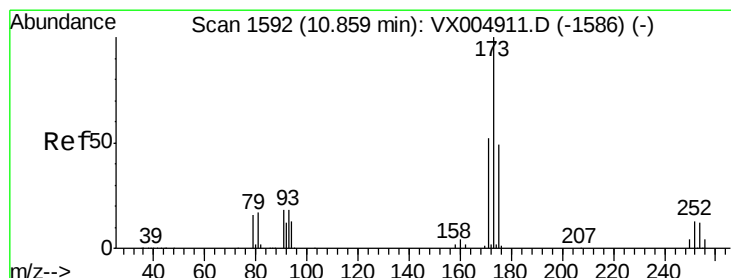
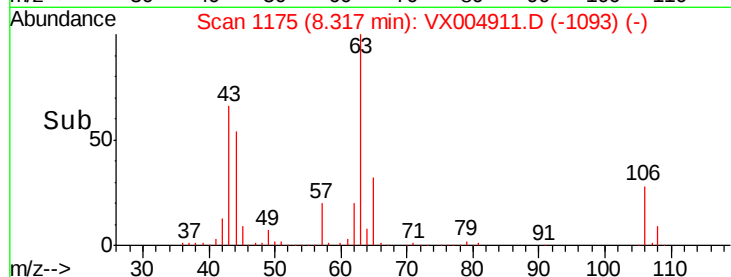
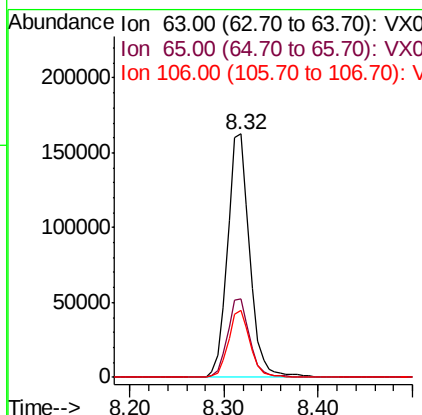
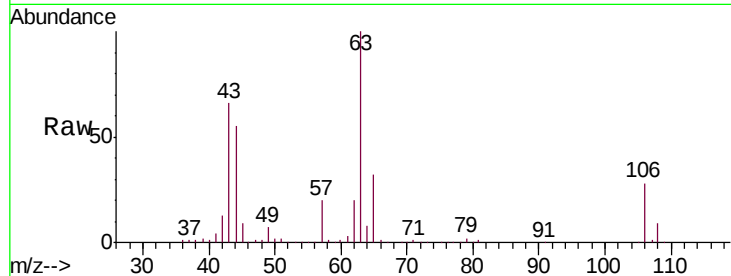




#55  
2-Chloroethyl vinyl ether  
Concen: 98.335 ug/l  
RT: 8.32 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

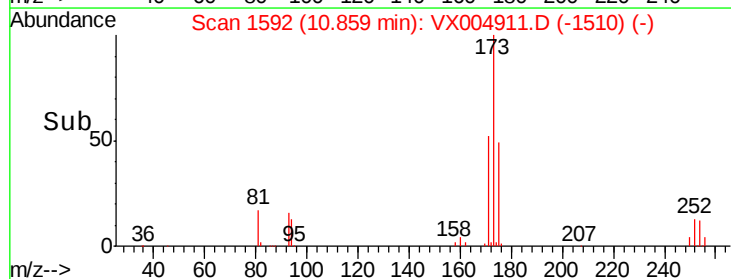
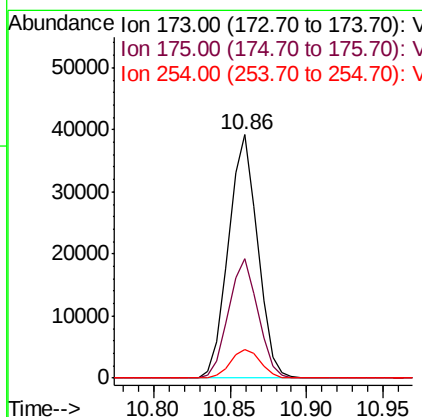
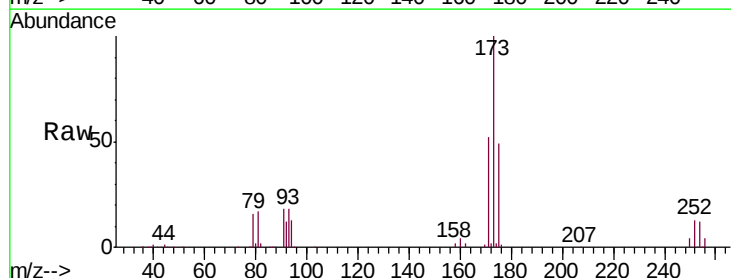
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

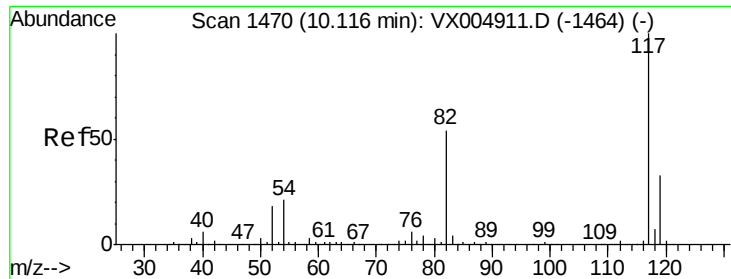
Tgt Ion: 63 Resp: 263862  
Ion Ratio Lower Upper  
63 100  
65 32.4 25.9 38.9  
106 27.2 21.8 32.6



#56  
Bromoform  
Concen: 18.682 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Tgt Ion: 173 Resp: 51867  
Ion Ratio Lower Upper  
173 100  
175 49.6 39.7 59.5  
254 12.0 9.6 14.4

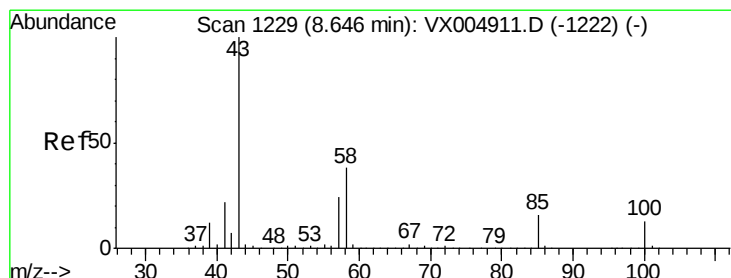
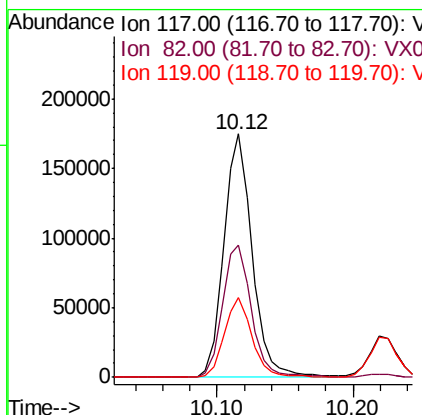
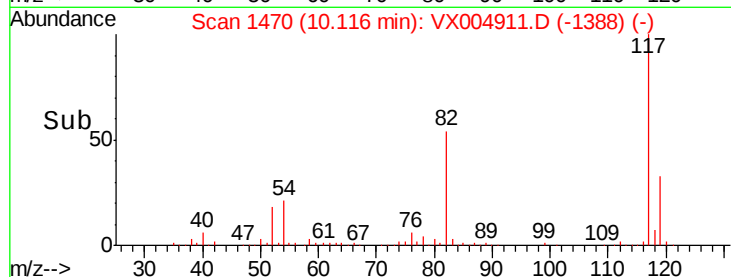
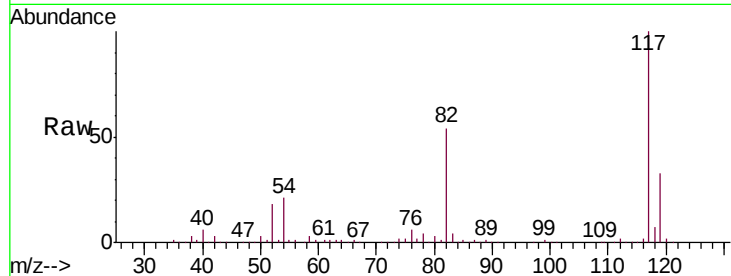




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

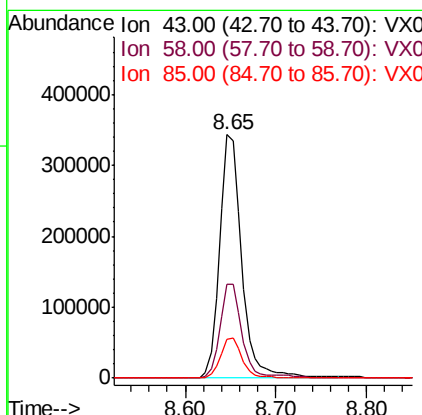
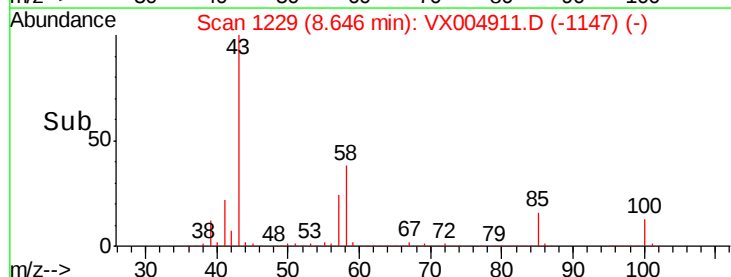
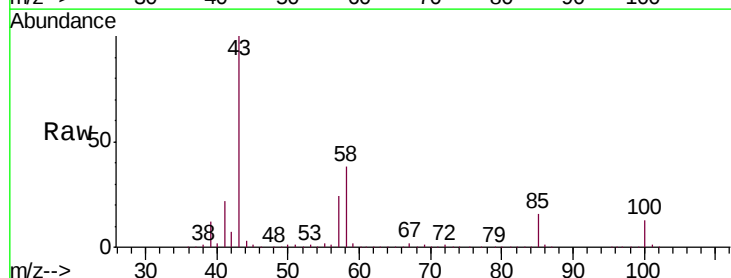
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

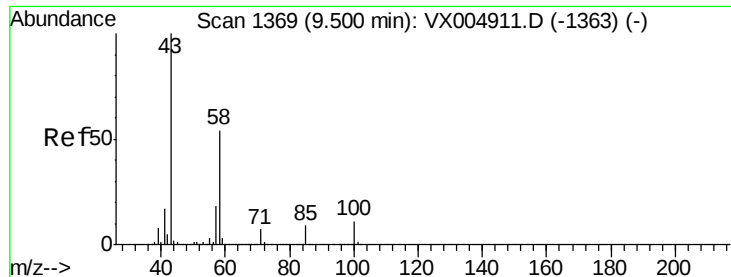
Tgt Ion: 117 Resp: 251783  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.2 66.4  
119 32.2 25.8 38.6



#58  
4-Methyl-2-Pentanone  
Concen: 103.646 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Tgt Ion: 43 Resp: 585938  
Ion Ratio Lower Upper  
43 100  
58 38.5 30.8 46.2  
85 16.4 13.1 19.7

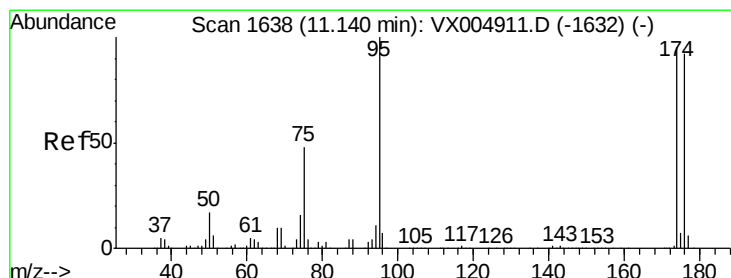
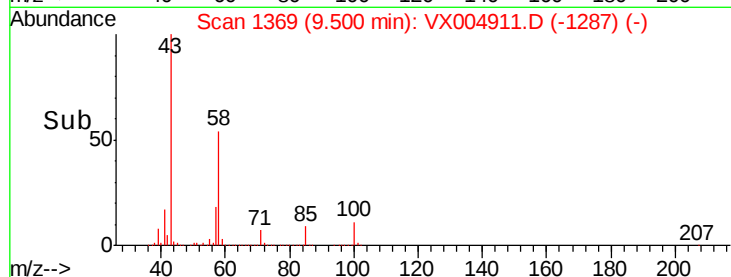
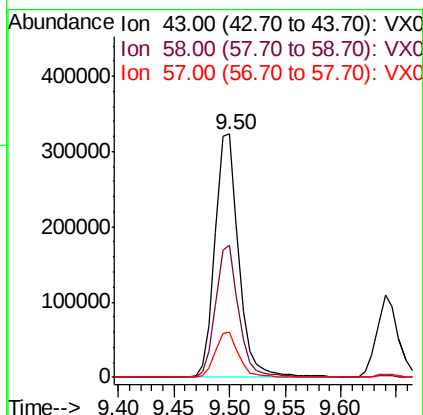
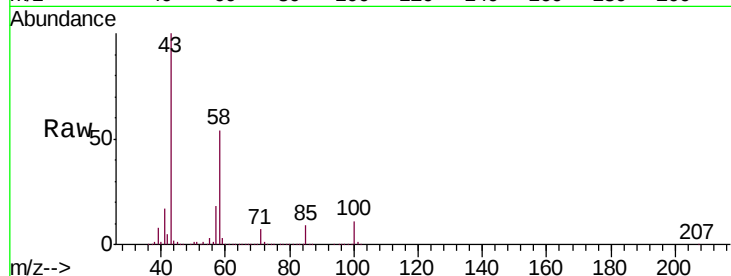




#59  
2-Hexanone  
Concen: 102.559 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

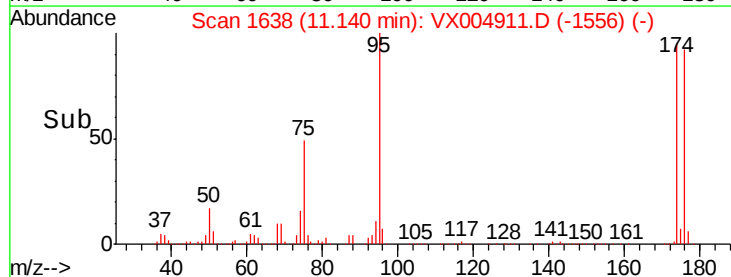
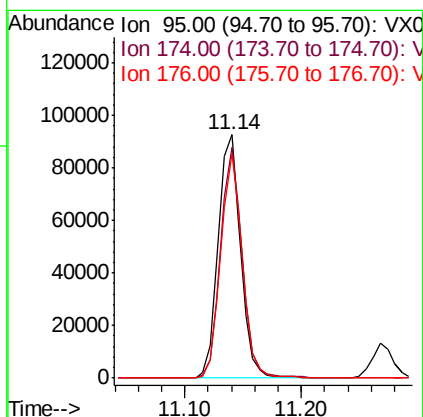
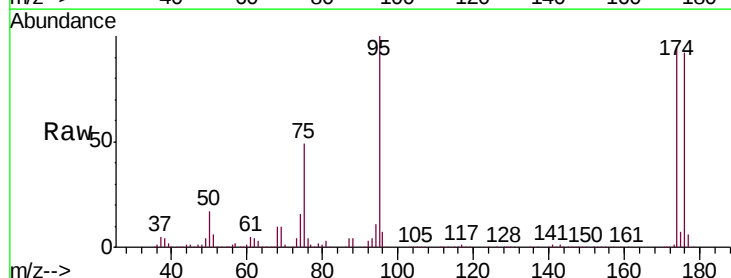
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

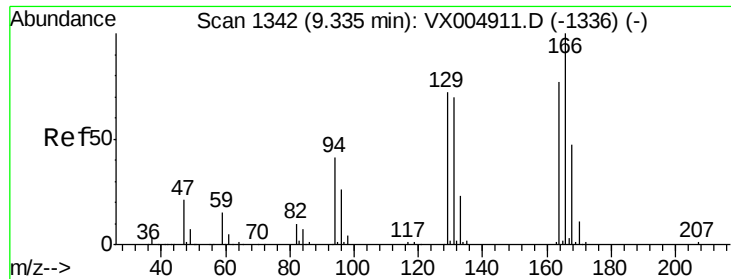
Tgt Ion: 43 Resp: 477683  
Ion Ratio Lower Upper  
43 100  
58 53.4 42.7 64.1  
57 18.3 14.6 22.0



#60  
4-Bromofluorobenzene  
Concen: 29.265 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Tgt Ion: 95 Resp: 122477  
Ion Ratio Lower Upper  
95 100  
174 91.4 73.1 109.7  
176 88.8 71.0 106.6





#61

Tetrachloroethene

Concen: 20.906 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

Tgt Ion:164 Resp: 64059

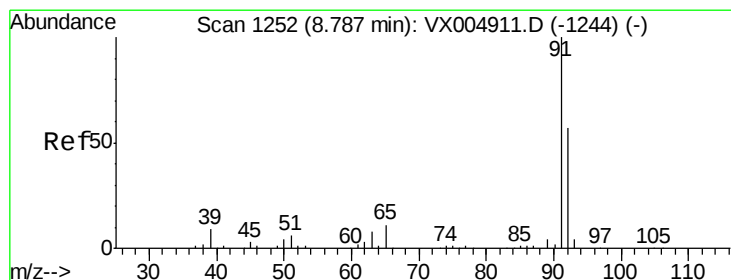
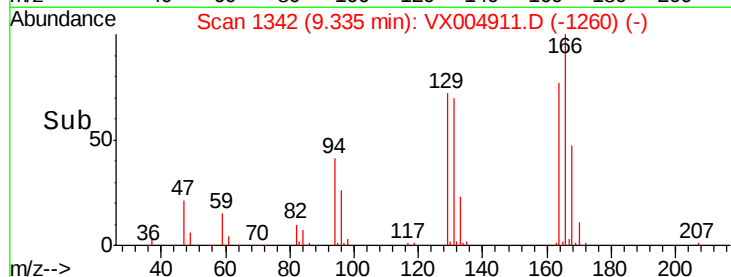
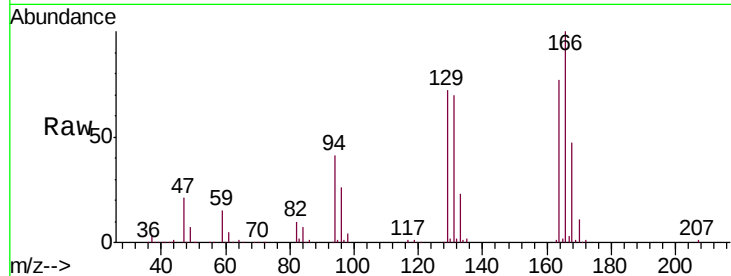
Ion Ratio Lower Upper

164 100

166 130.0 104.0 156.0

129 93.9 75.1 112.7

131 90.6 72.5 108.7



#62

Toluene

Concen: 20.509 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004911.D

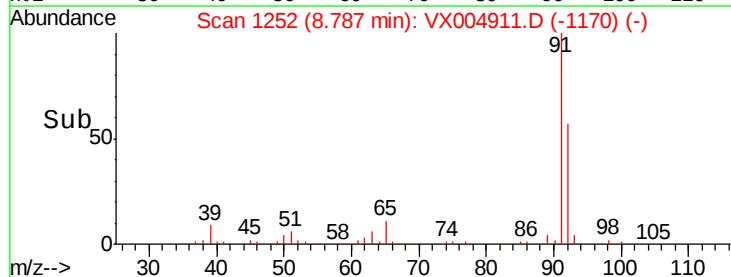
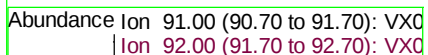
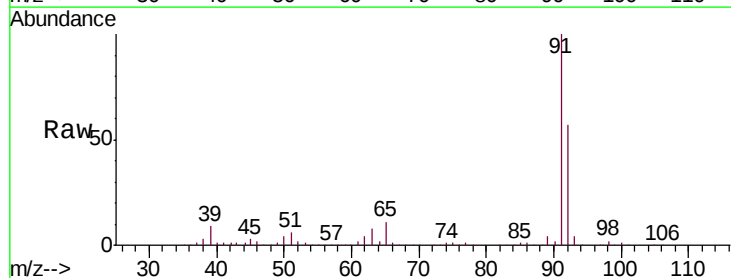
Acq: 02 Oct 2018 10:31

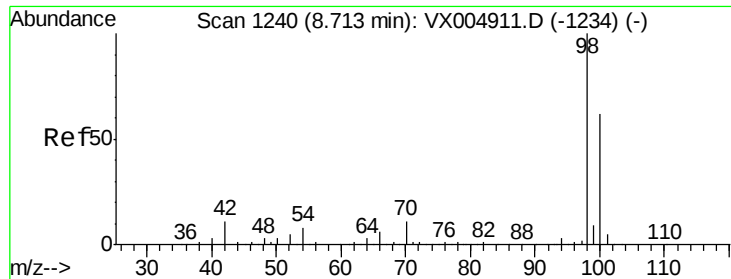
Tgt Ion: 91 Resp: 271382

Ion Ratio Lower Upper

91 100

92 57.8 46.2 69.4





#63

Toluene-d8

Concen: 30.876 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

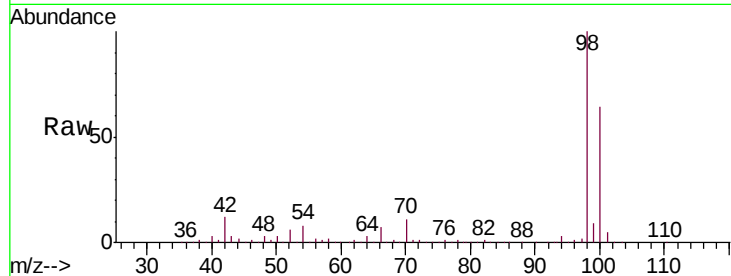
VSTDICCC020

Tgt Ion: 98 Resp: 347019

Ion Ratio Lower Upper

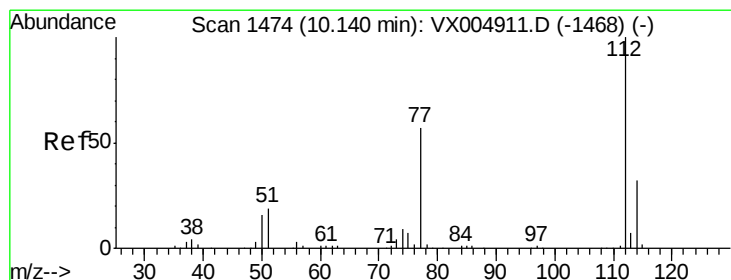
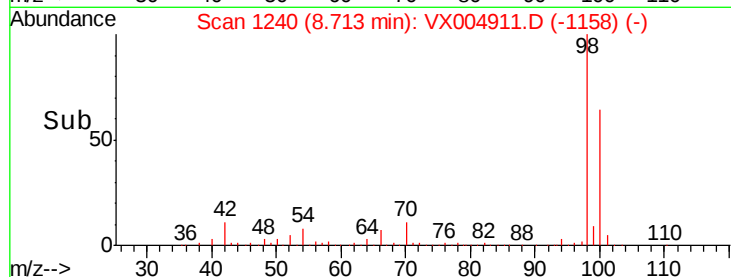
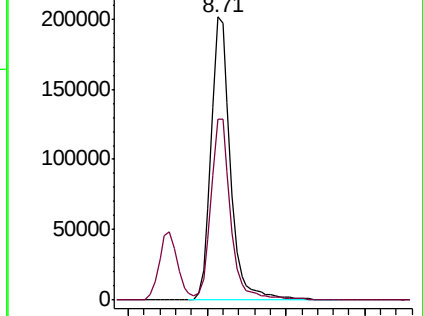
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 20.257 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004911.D

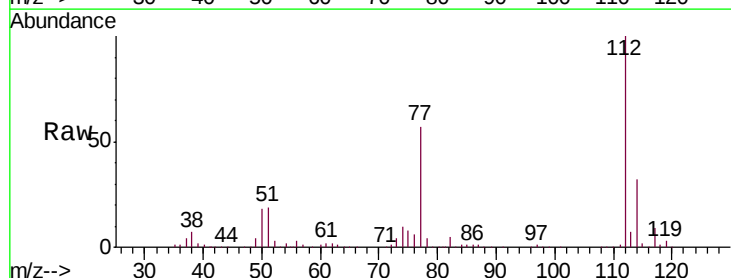
Acq: 02 Oct 2018 10:31

Tgt Ion: 112 Resp: 173106

Ion Ratio Lower Upper

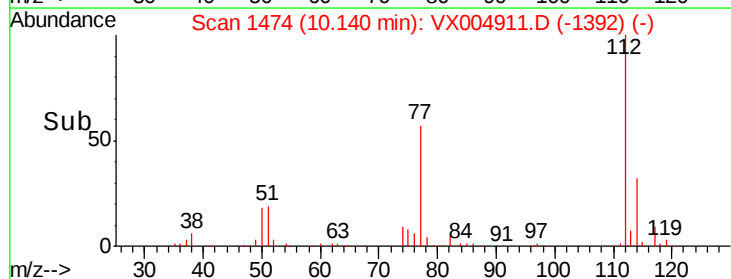
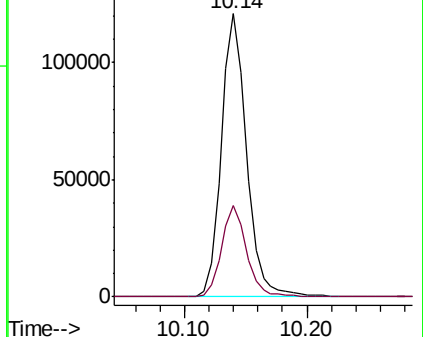
112 100

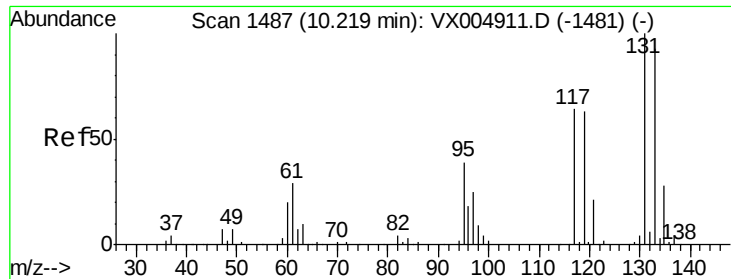
114 32.1 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.335 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

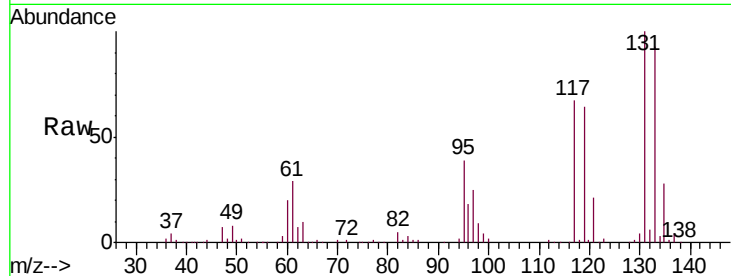
Tgt Ion:131 Resp: 63169

Ion Ratio Lower Upper

131 100

133 95.2 0.0 190.4

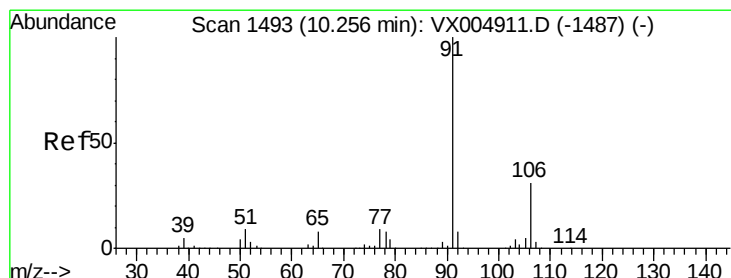
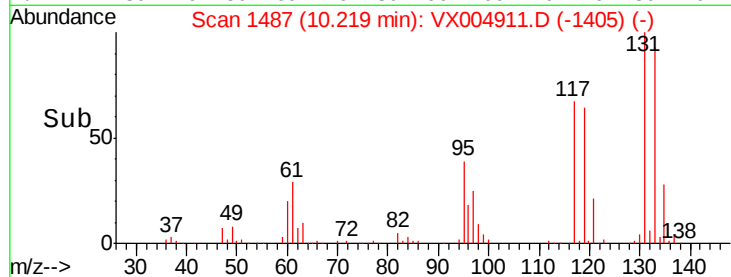
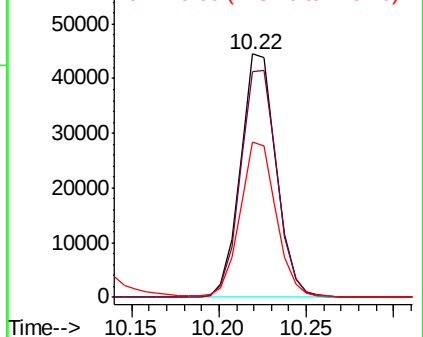
119 64.5 0.0 129.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.955 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004911.D

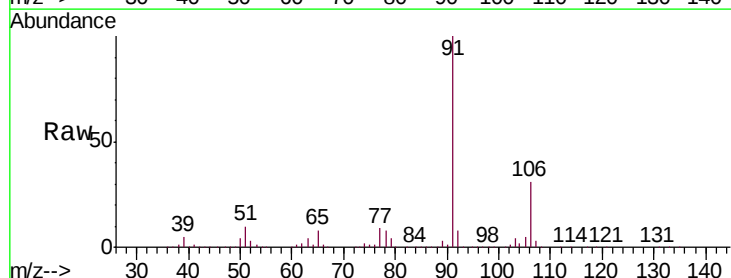
Acq: 02 Oct 2018 10:31

Tgt Ion: 91 Resp: 288276

Ion Ratio Lower Upper

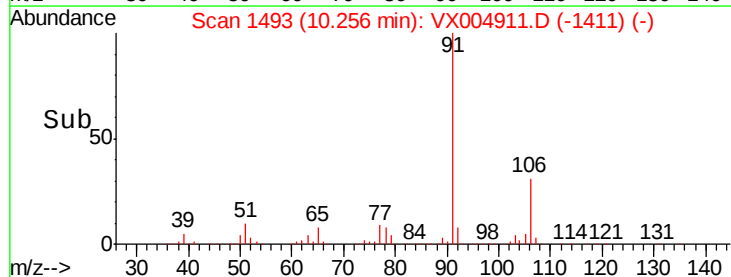
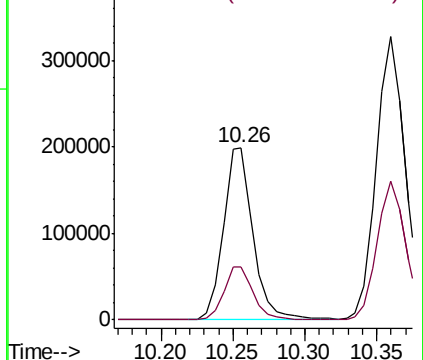
91 100

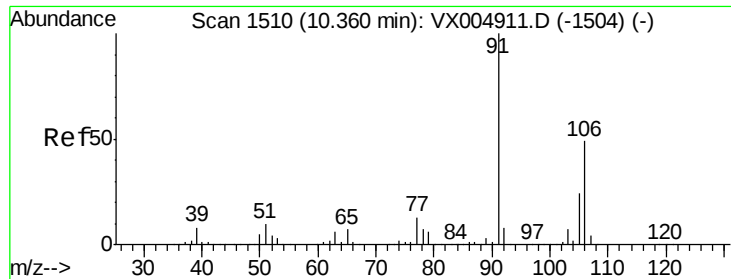
106 30.6 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.212 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

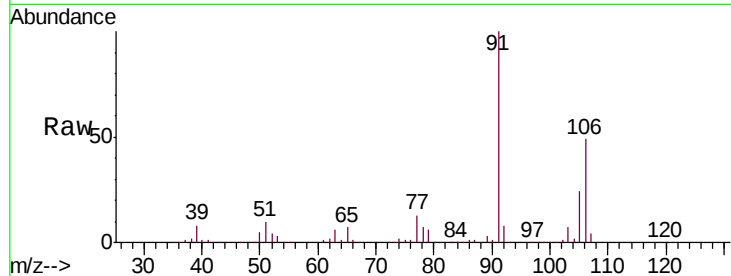
VSTDICCC020

Tgt Ion:106 Resp: 226183

Ion Ratio Lower Upper

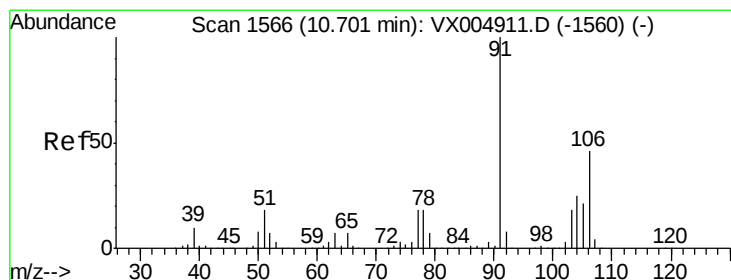
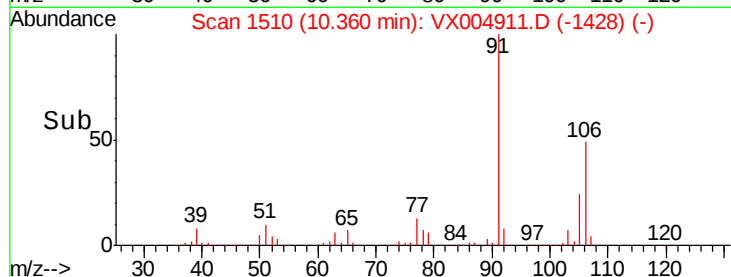
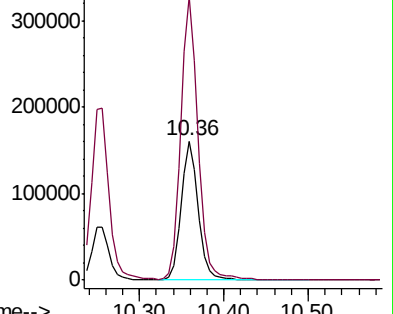
106 100

91 206.9 165.5 248.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.804 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX004911.D

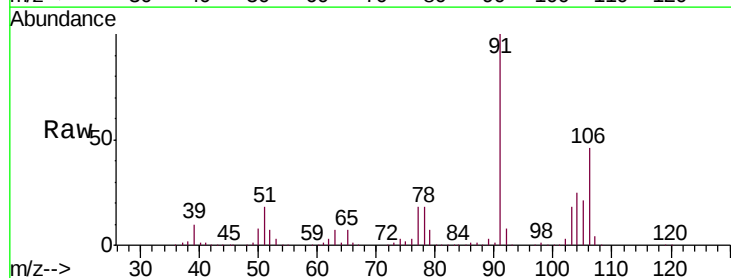
Acq: 02 Oct 2018 10:31

Tgt Ion:106 Resp: 107379

Ion Ratio Lower Upper

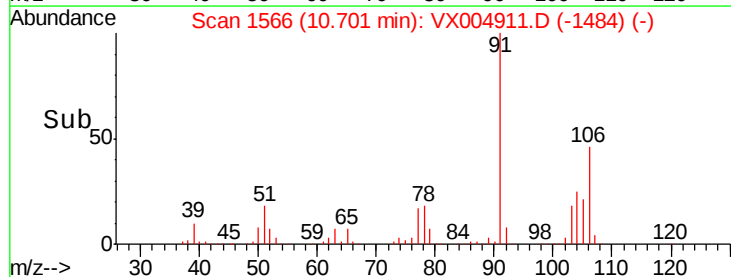
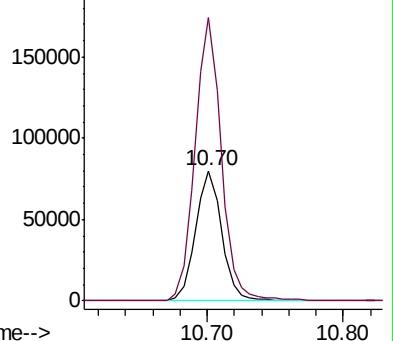
106 100

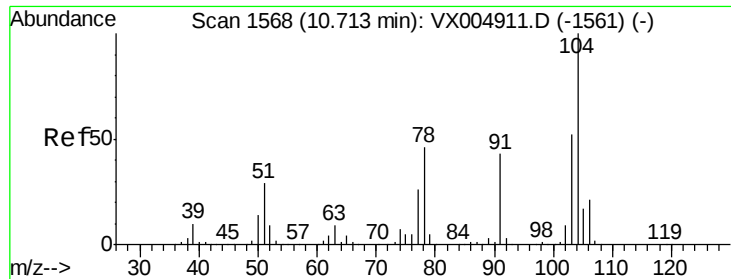
91 218.1 109.1 327.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

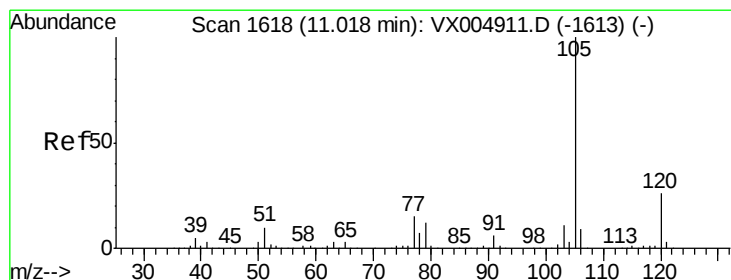
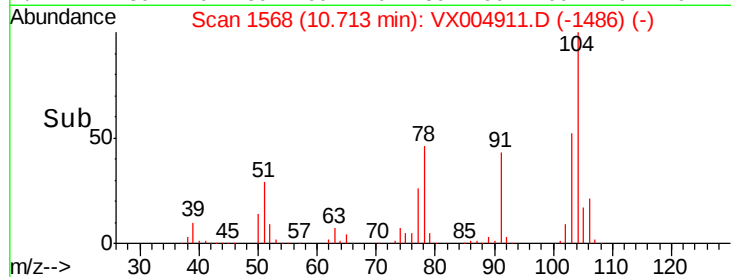
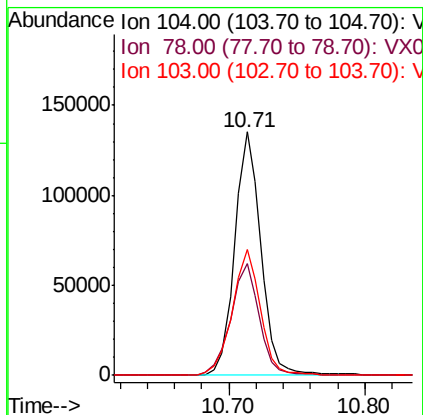
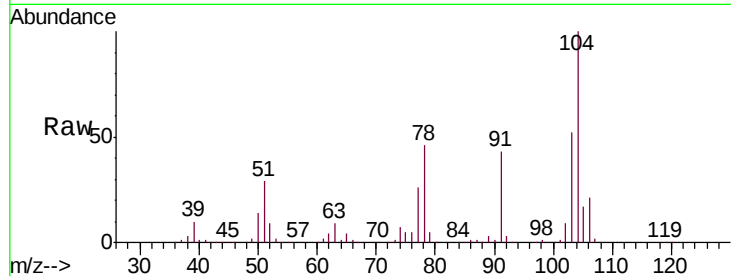




#69  
Styrene  
Concen: 19.819 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

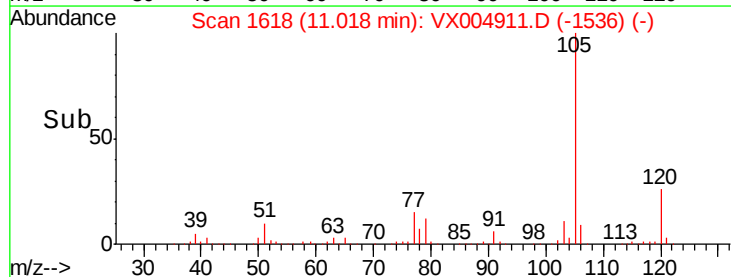
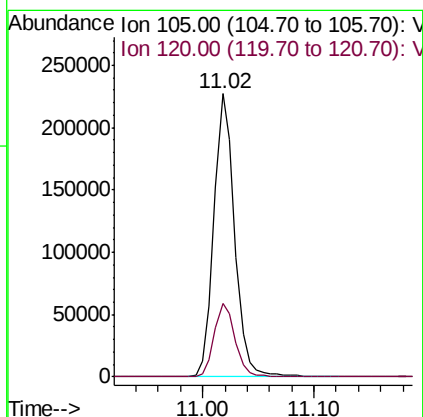
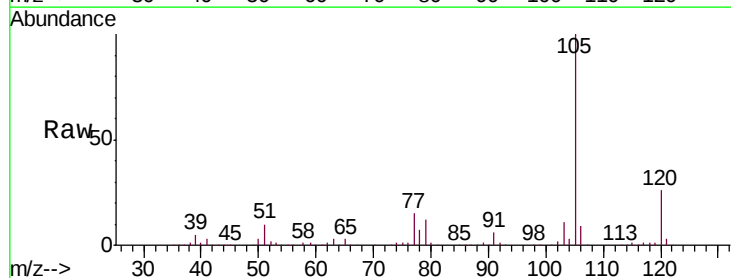
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

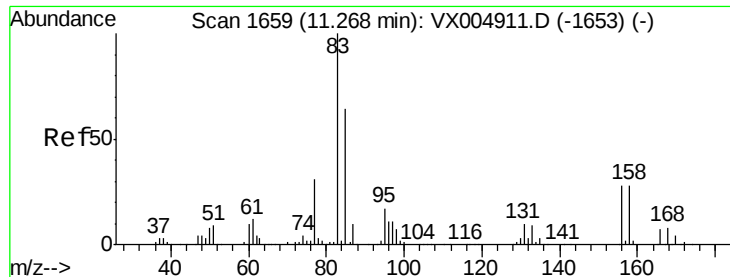
Tgt Ion:104 Resp: 180698  
Ion Ratio Lower Upper  
104 100  
78 50.4 40.3 60.5  
103 55.7 44.6 66.8



#70  
Isopropylbenzene  
Concen: 20.231 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

Tgt Ion:105 Resp: 293732  
Ion Ratio Lower Upper  
105 100  
120 26.2 18.3 34.1

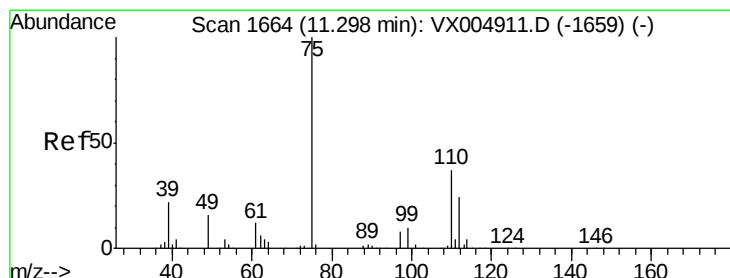
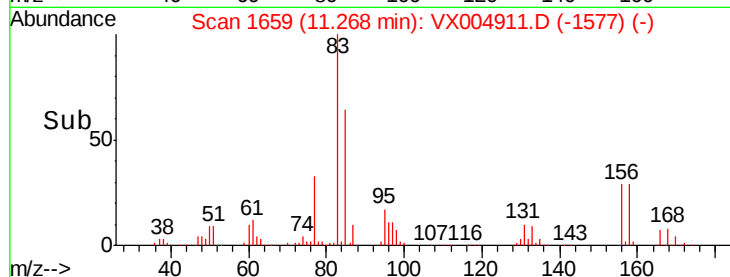
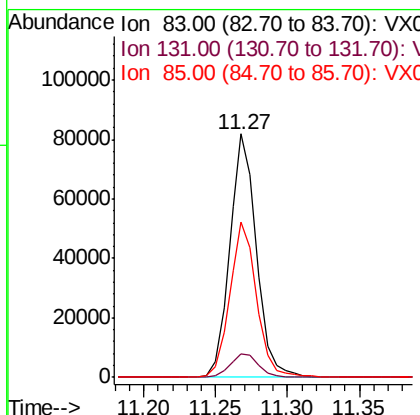
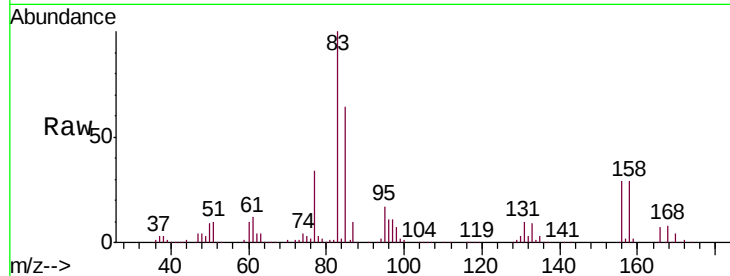




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.656 ug/l  
 RT: 11.27 min Scan# 1659  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

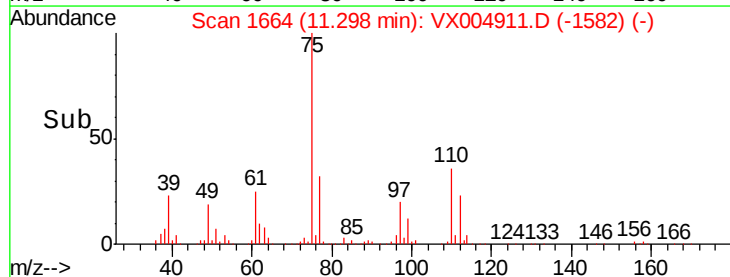
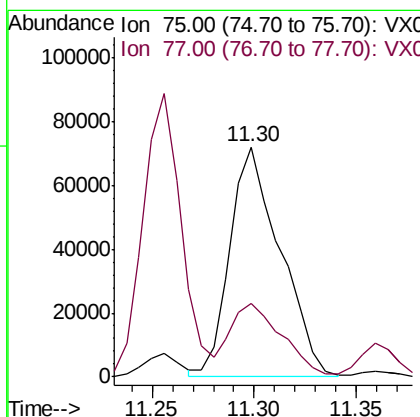
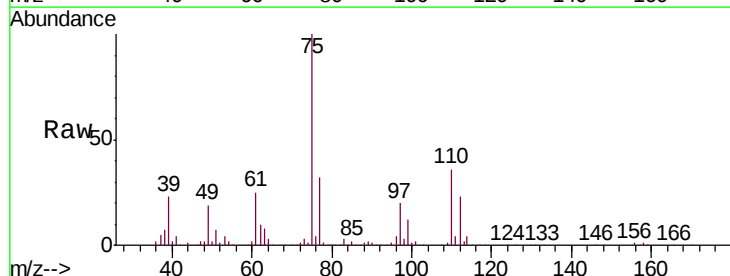
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

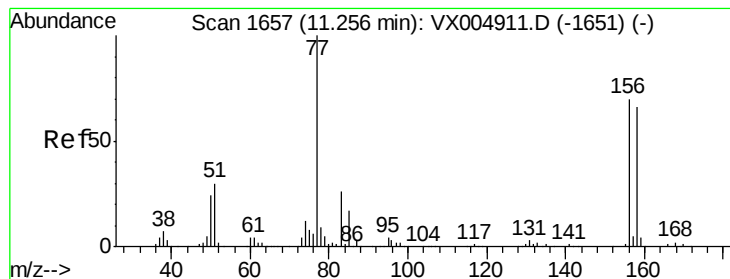
Tgt Ion: 83 Resp: 105999  
 Ion Ratio Lower Upper  
 83 100  
 131 10.1 5.1 15.2  
 85 64.4 32.2 96.6



#72  
 1,2,3-Trichloropropane  
 Concen: 25.184 ug/l  
 RT: 11.30 min Scan# 1664  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 75 Resp: 123725  
 Ion Ratio Lower Upper  
 75 100  
 77 32.8 0.0 81.2





#73

Bromobenzene

Concen: 19.920 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

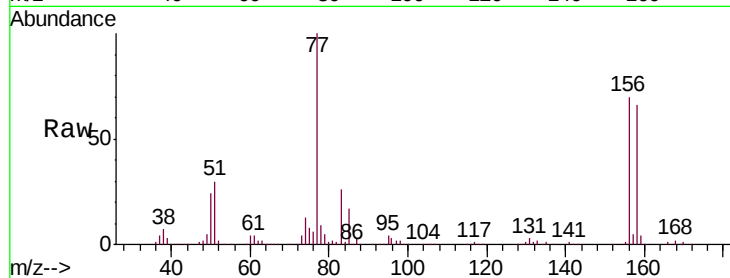
Tgt Ion:156 Resp: 79502

Ion Ratio Lower Upper

156 100

77 146.2 0.0 292.4

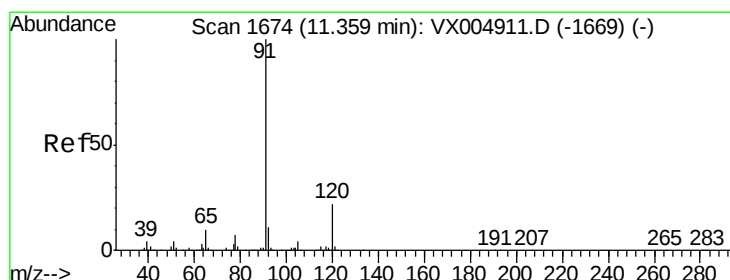
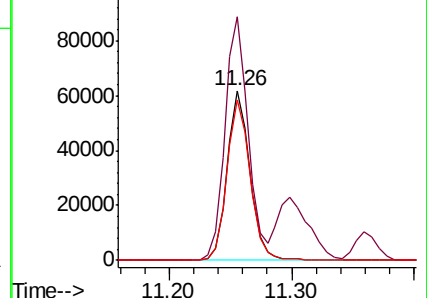
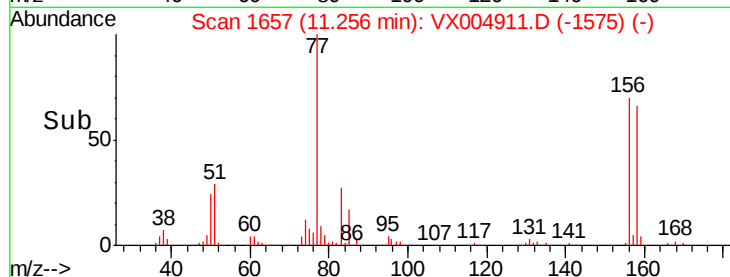
158 97.1 0.0 194.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.976 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004911.D

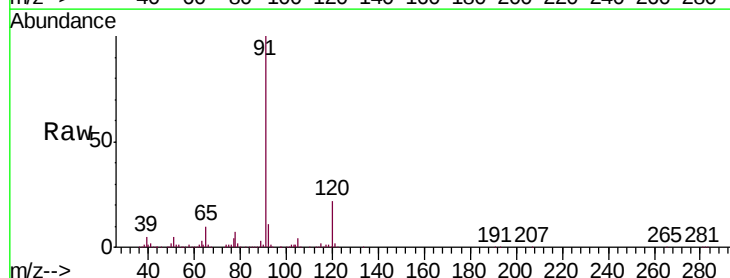
Acq: 02 Oct 2018 10:31

Tgt Ion: 91 Resp: 341250

Ion Ratio Lower Upper

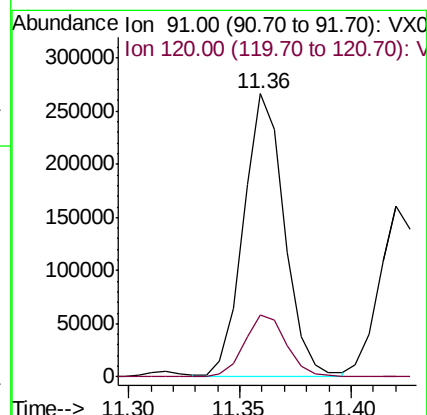
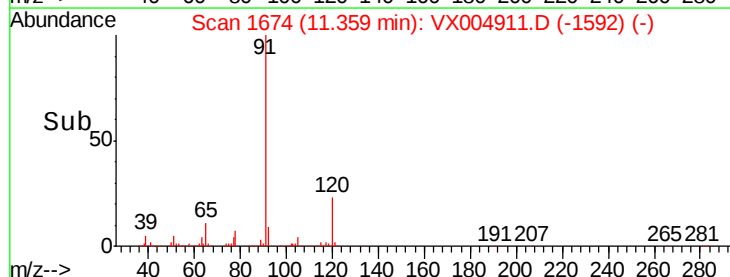
91 100

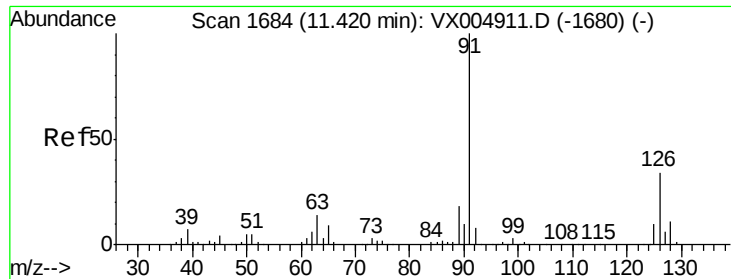
120 22.7 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.938 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

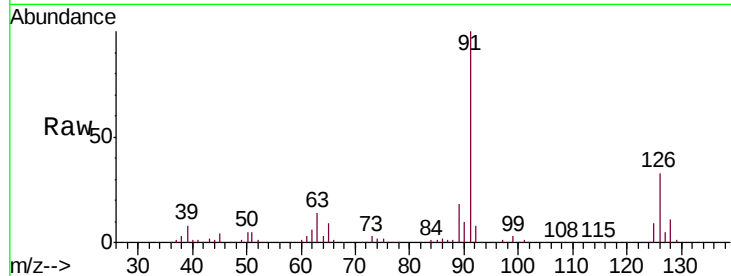
VSTDICCC020

Tgt Ion: 91 Resp: 207730

Ion Ratio Lower Upper

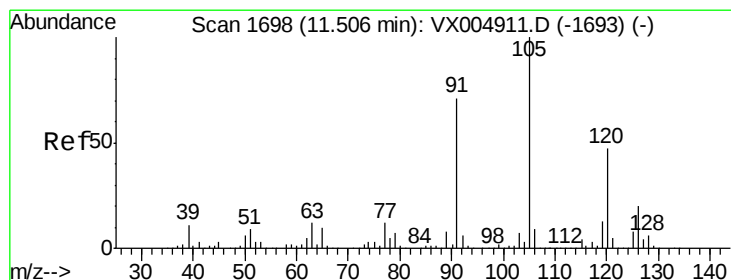
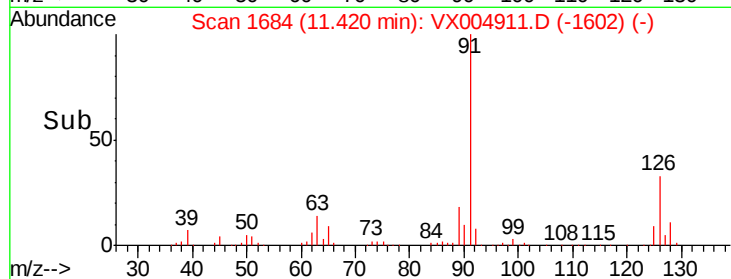
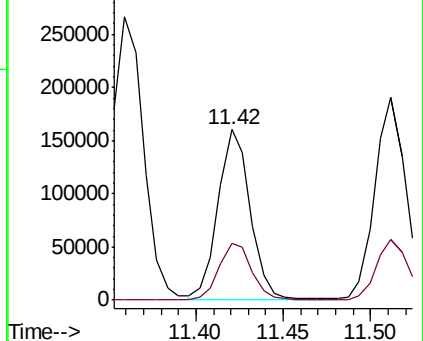
91 100

126 34.1 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX004911.D (-1680) (-)

Ion 126.00 (125.70 to 126.70): VX004911.D (-1680) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.960 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004911.D

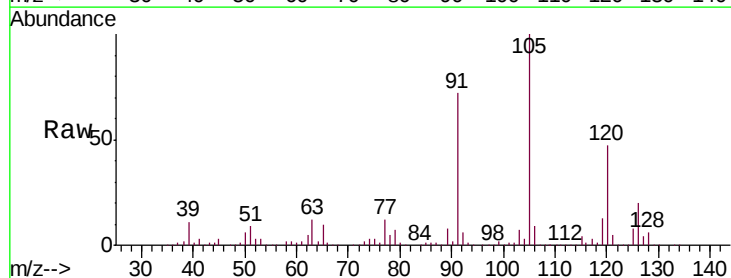
Acq: 02 Oct 2018 10:31

Tgt Ion: 105 Resp: 250036

Ion Ratio Lower Upper

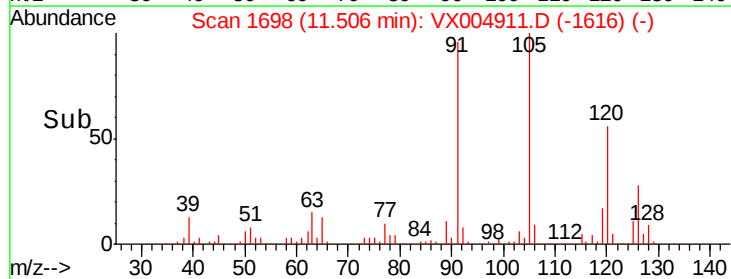
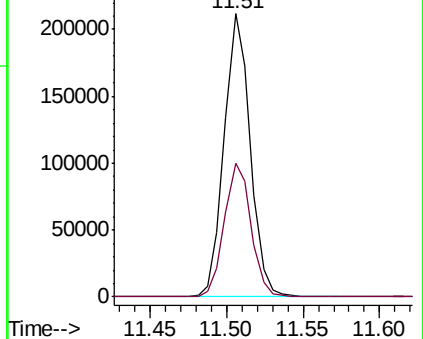
105 100

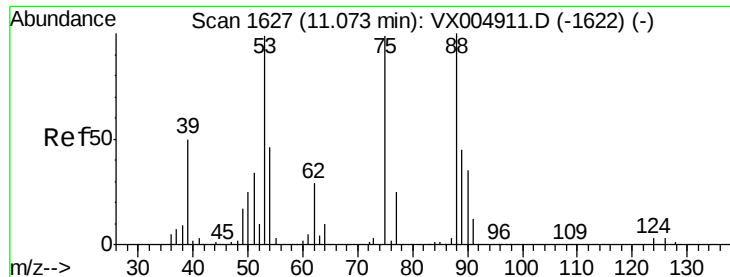
120 48.4 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX004911.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX004911.D (-1693) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.713 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

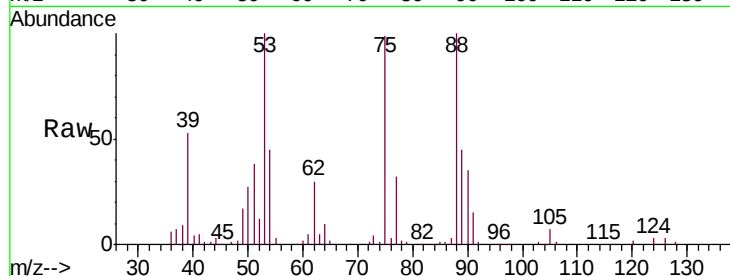
Tgt Ion: 75 Resp: 28612

Ion Ratio Lower Upper

75 100

53 100.6 50.3 150.9

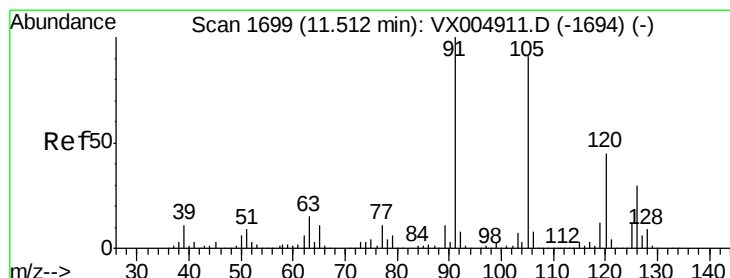
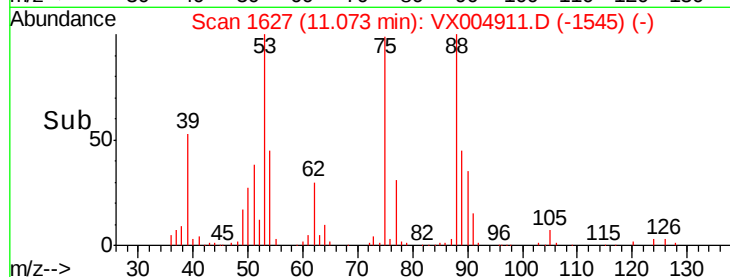
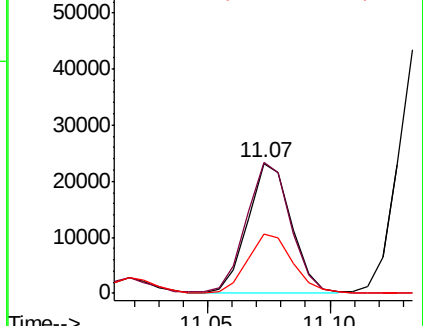
89 45.2 22.6 67.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.741 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004911.D

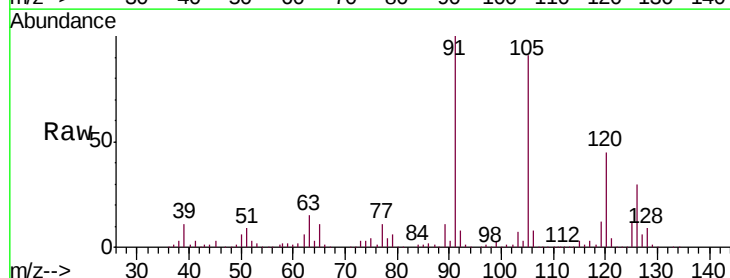
Acq: 02 Oct 2018 10:31

Tgt Ion: 91 Resp: 239068

Ion Ratio Lower Upper

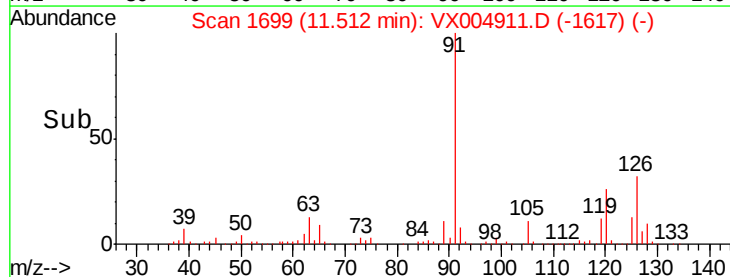
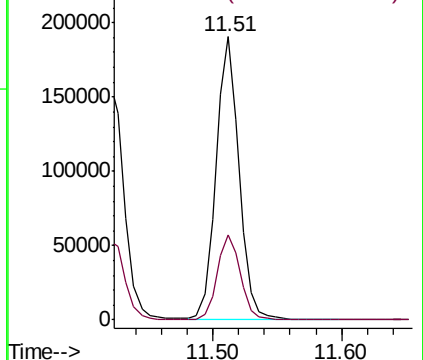
91 100

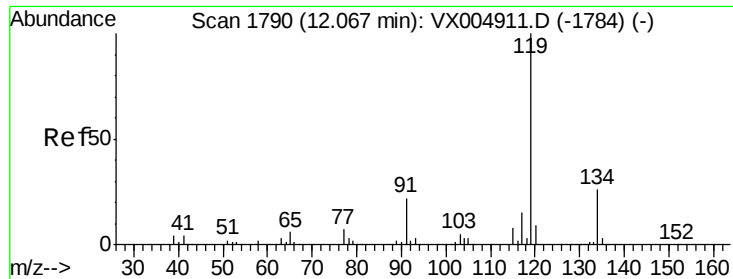
126 30.5 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

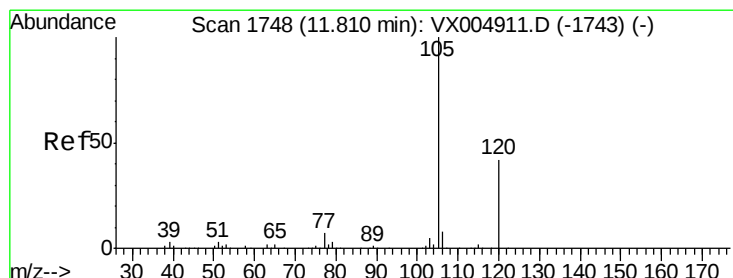
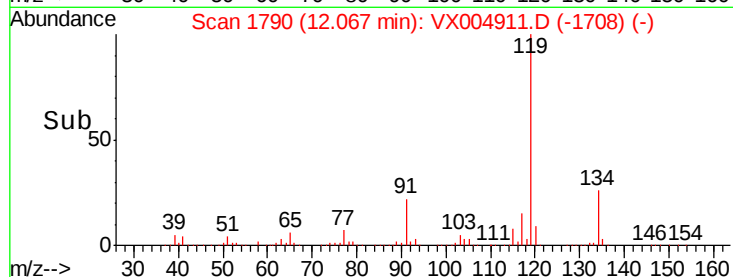
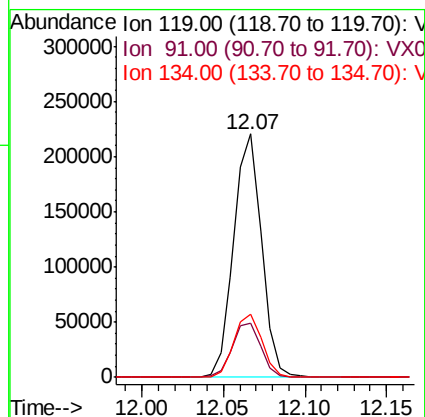
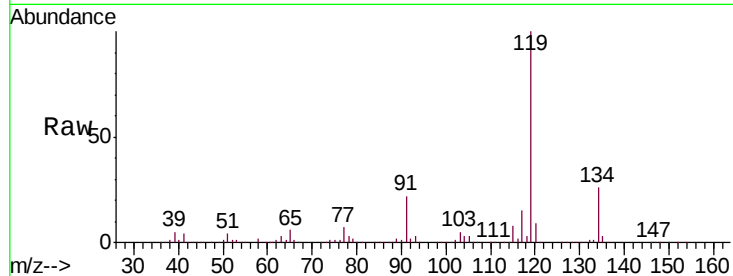




#79  
tert-butylbenzene  
Concen: 19.752 ug/l  
RT: 12.07 min Scan# 1790  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

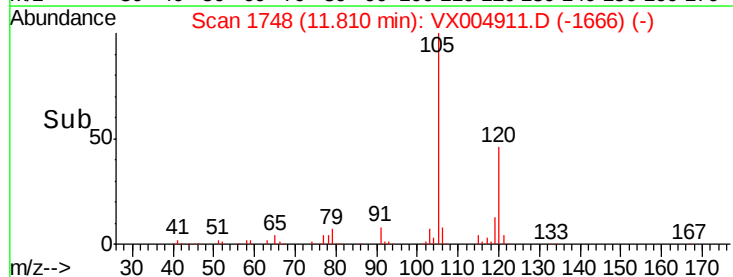
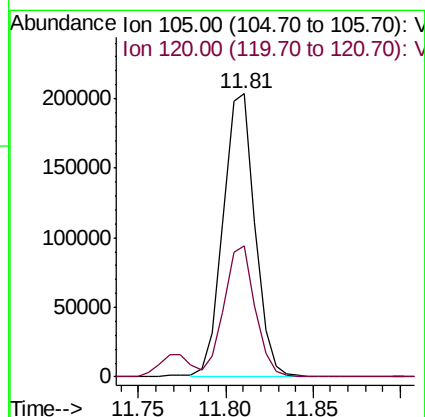
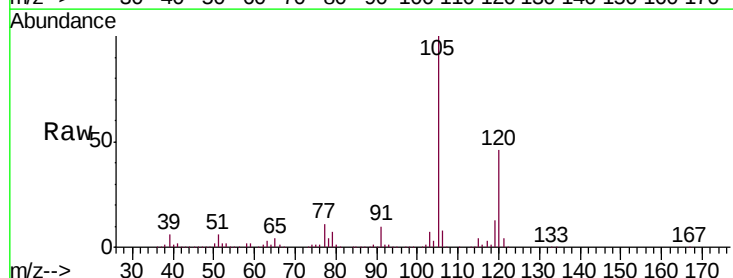
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

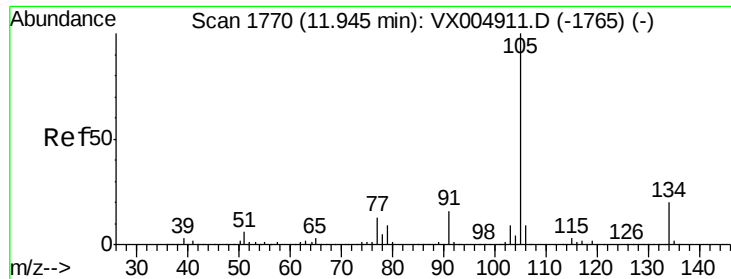
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 22.9  | 0.0   | 45.8  |
| 134     | 26.4  | 0.0   | 52.8  |



#80  
1,2,4-Trimethylbenzene  
Concen: 20.168 ug/l  
RT: 11.81 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VX004911.D  
Acq: 02 Oct 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.3  | 0.0   | 90.6  |

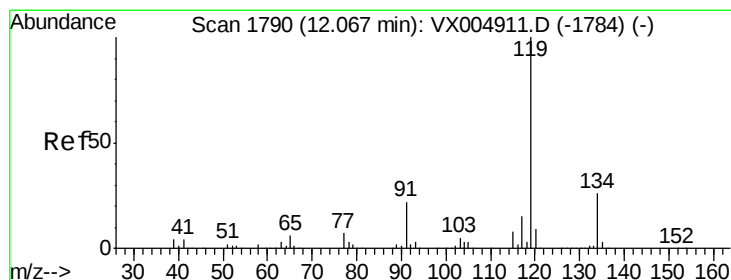
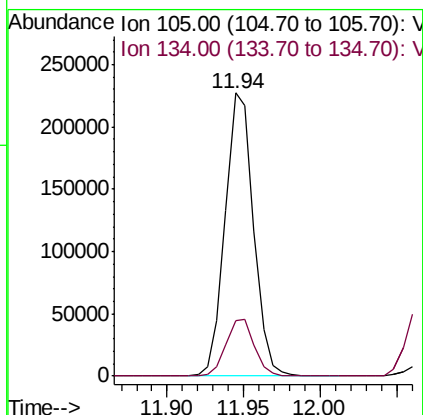
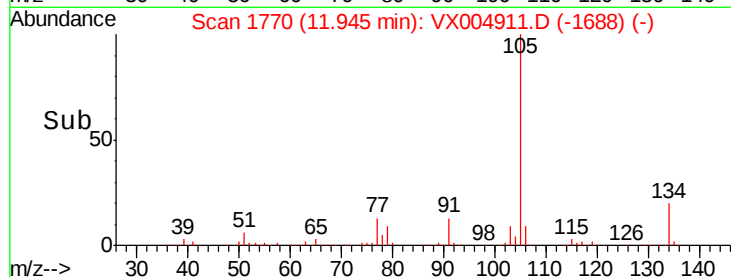
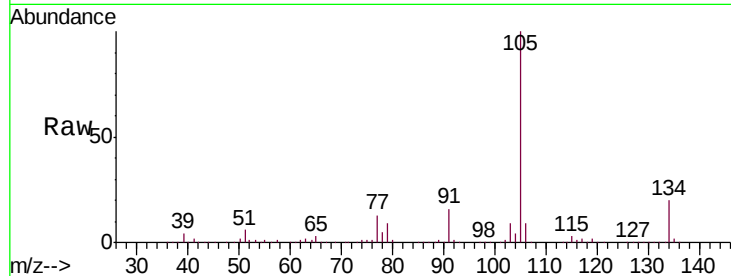




#81  
 sec-Butylbenzene  
 Concen: 19.786 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

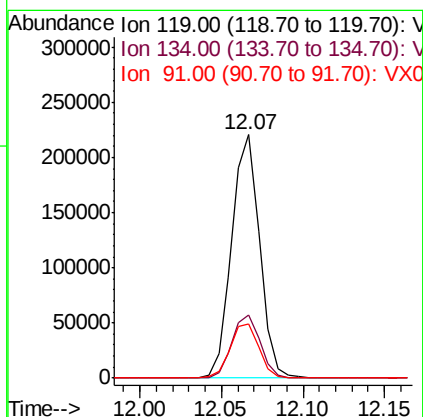
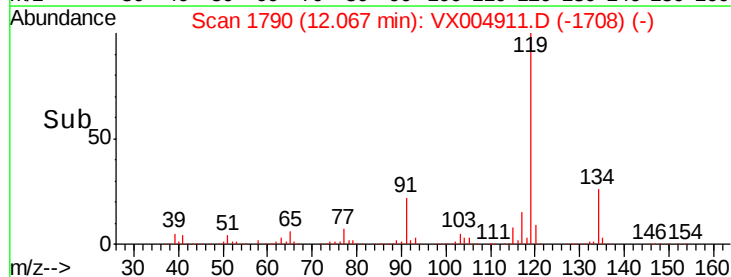
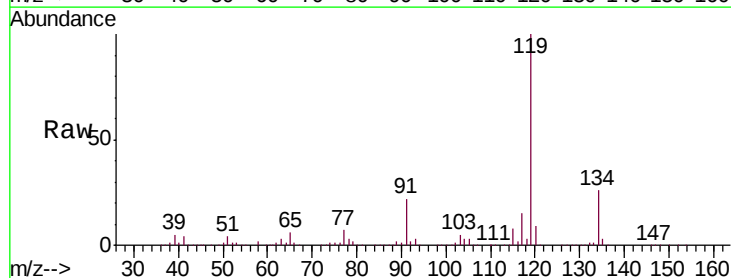
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

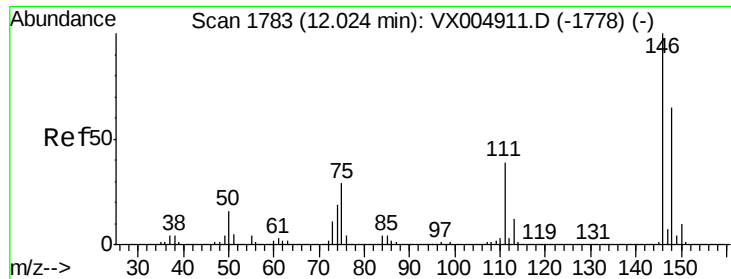
Tgt Ion:105 Resp: 292583  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 0.0 40.4



#82  
 p-Isopropyltoluene  
 Concen: 19.752 ug/l  
 RT: 12.07 min Scan# 1790  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion:119 Resp: 262601  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 0.0 52.8  
 91 22.9 0.0 45.8

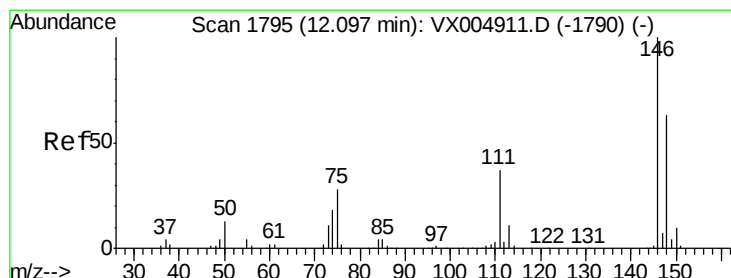
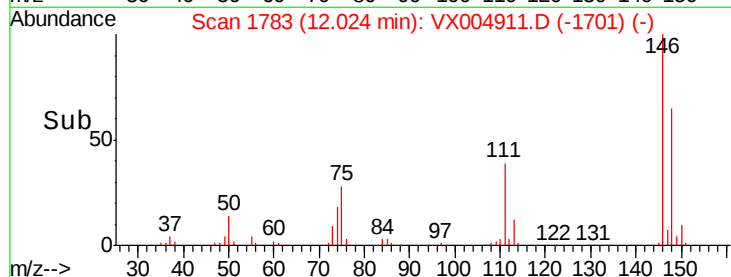
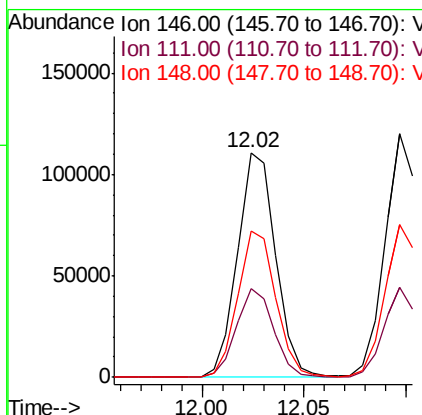
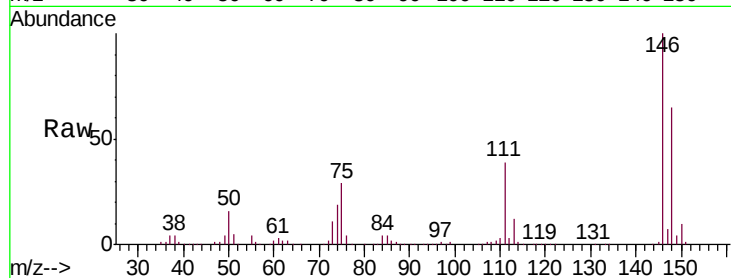




#83  
 1,3-Dichlorobenzene  
 Concen: 19.551 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

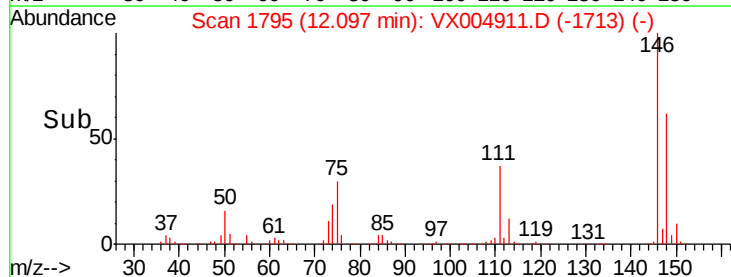
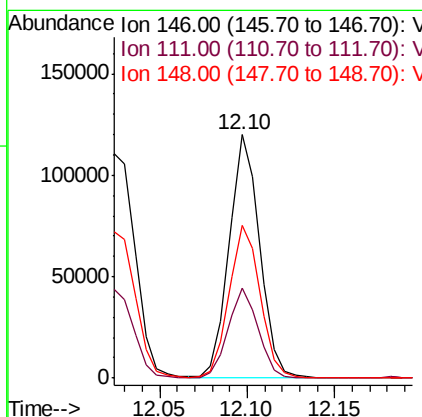
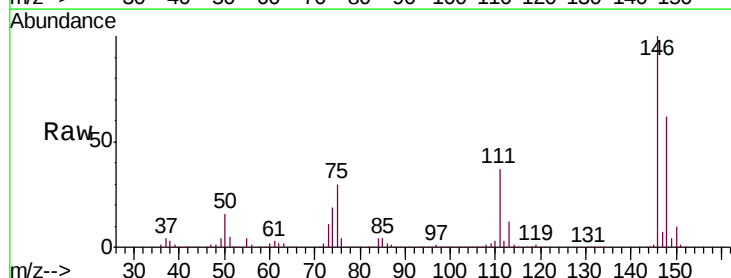
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

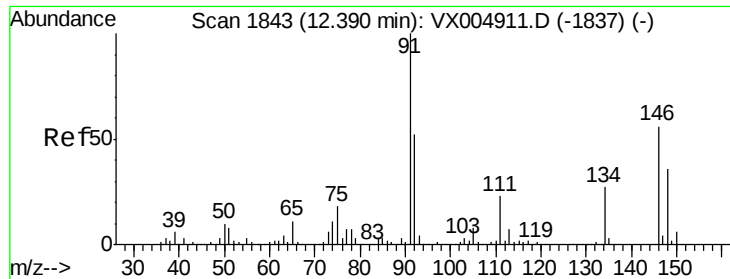
Tgt Ion:146 Resp: 144288  
 Ion Ratio Lower Upper  
 146 100  
 111 38.5 19.3 57.8  
 148 64.8 32.4 97.2



#84  
 1,4-Dichlorobenzene  
 Concen: 19.487 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion:146 Resp: 145946  
 Ion Ratio Lower Upper  
 146 100  
 111 36.3 18.1 54.4  
 148 63.8 31.9 95.7





#85

n-Butylbenzene

Concen: 19.086 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC020

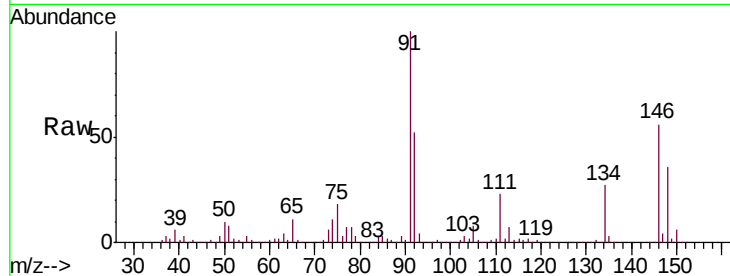
Tgt Ion: 91 Resp: 230474

Ion Ratio Lower Upper

91 100

92 51.8 0.0 103.6

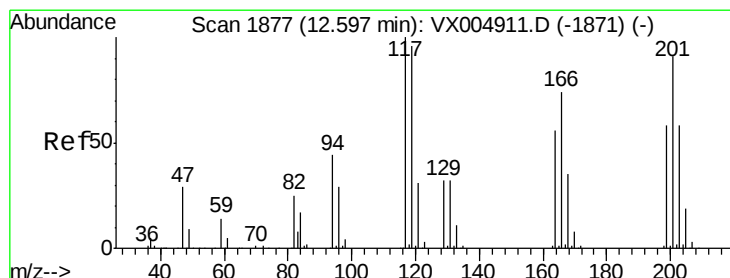
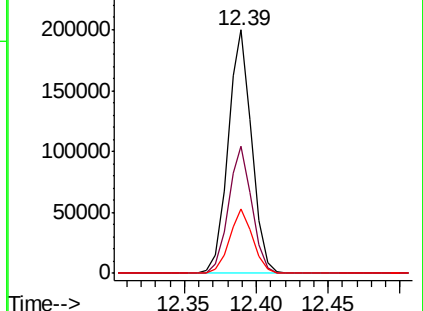
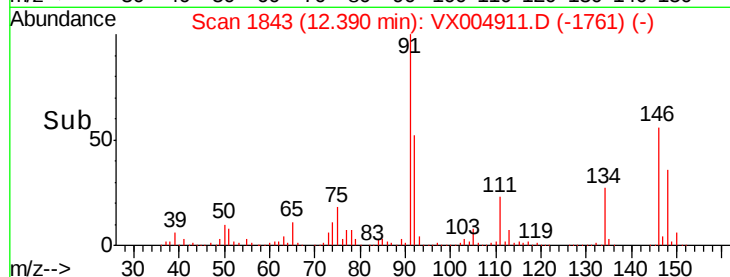
134 26.1 0.0 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#86

Hexachloroethane

Concen: 18.668 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX004911.D

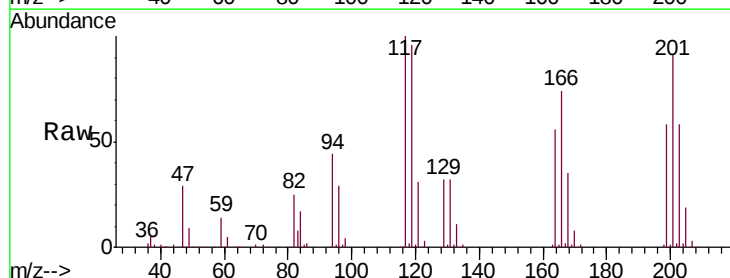
Acq: 02 Oct 2018 10:31

Tgt Ion: 117 Resp: 40882

Ion Ratio Lower Upper

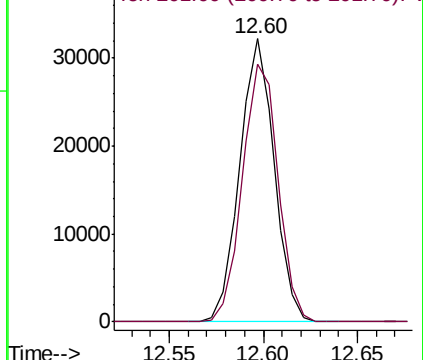
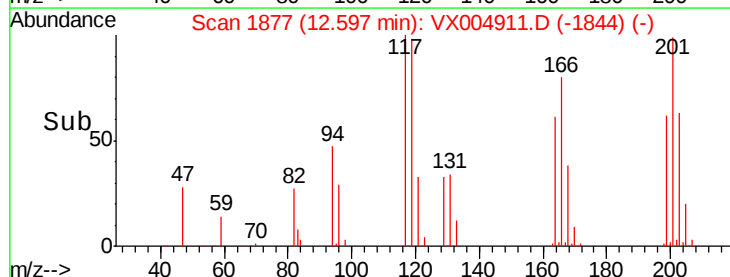
117 100

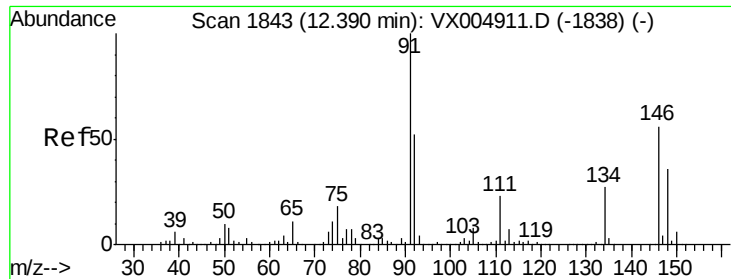
201 94.3 47.1 141.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

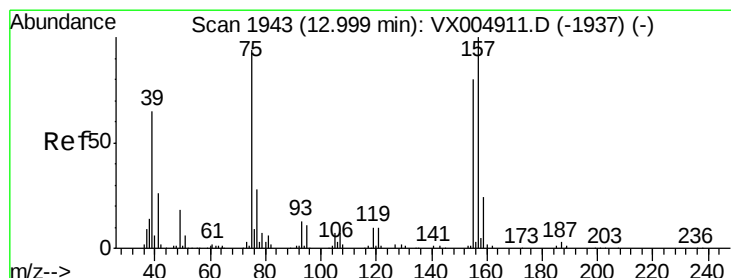
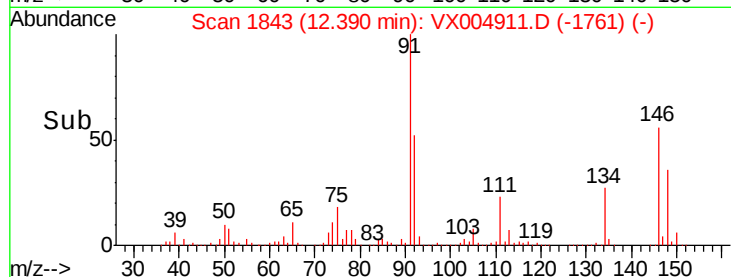
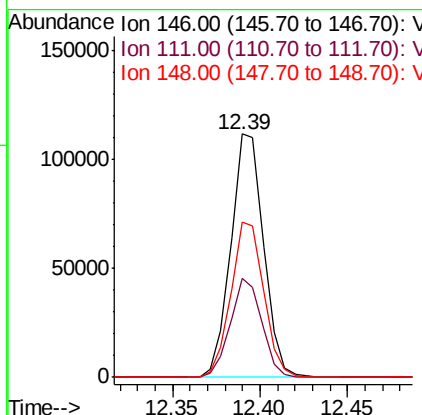
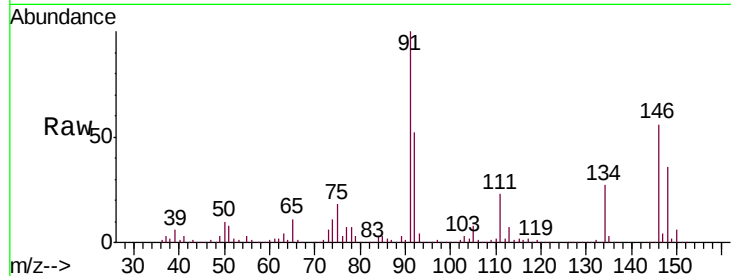




#87  
 1,2-Dichlorobenzene  
 Concen: 19.444 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

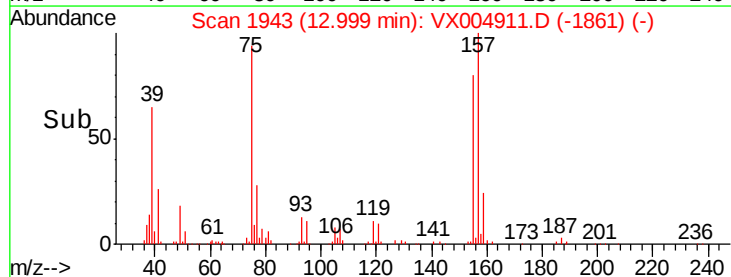
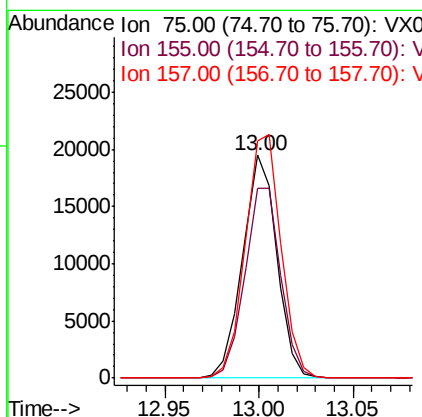
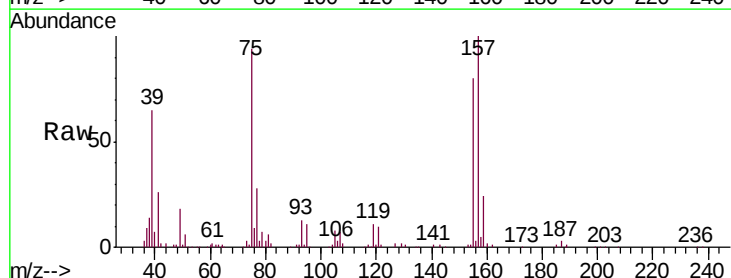
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

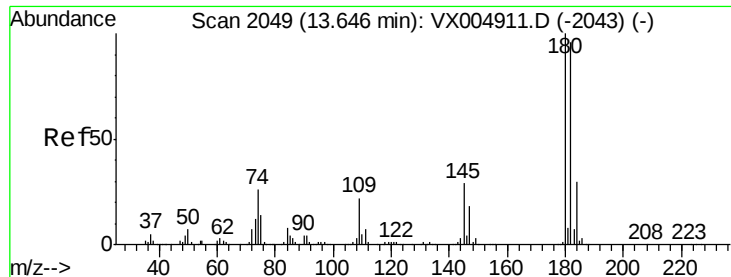
Tgt Ion:146 Resp: 145873  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 19.6 58.7  
 148 63.9 31.9 95.9



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.698 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion: 75 Resp: 24547  
 Ion Ratio Lower Upper  
 75 100  
 155 89.5 71.6 107.4  
 157 114.1 91.3 136.9

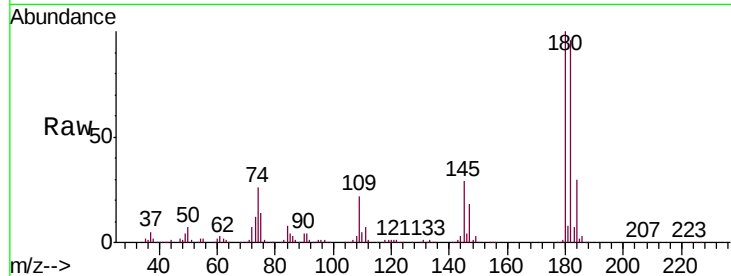




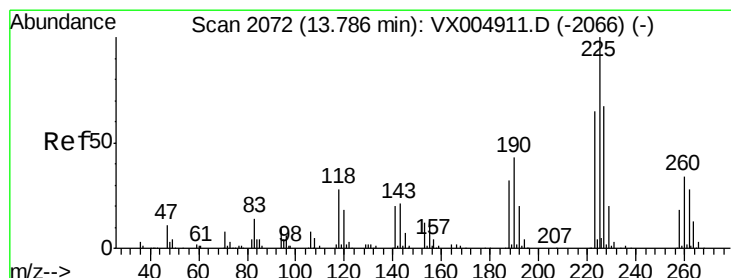
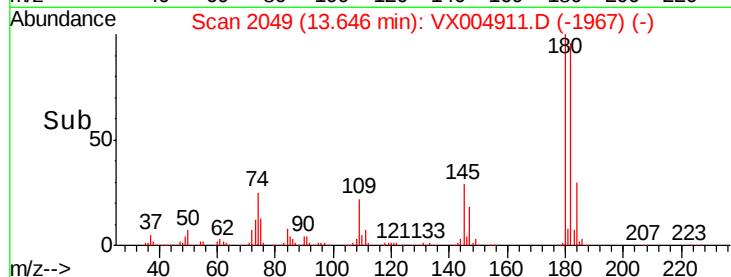
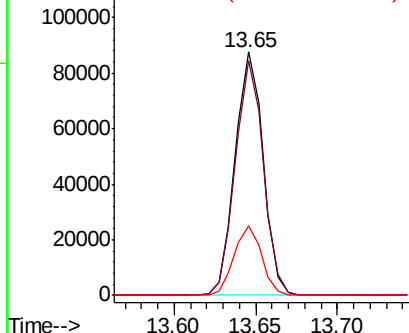
#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.783 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion:180 Resp: 105114  
 Ion Ratio Lower Upper  
 180 100  
 182 96.0 76.8 115.2  
 145 28.2 22.6 33.8

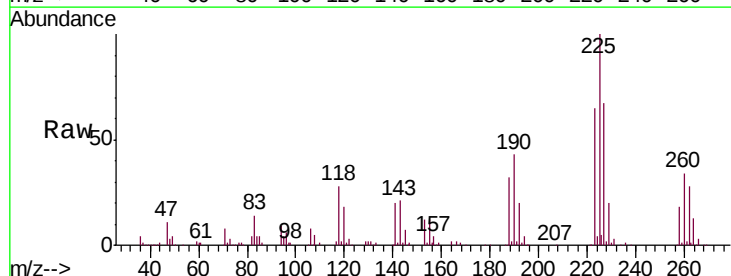


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

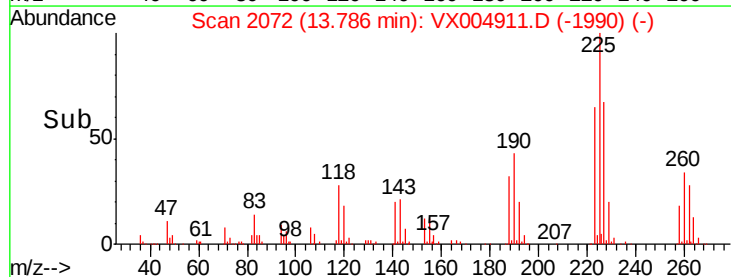
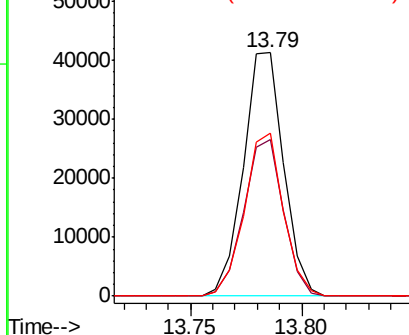


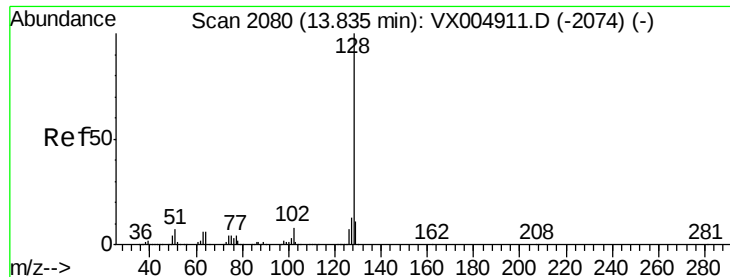
#90  
 Hexachlorobutadiene  
 Concen: 18.941 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. 0.00 min  
 Lab File: VX004911.D  
 Acq: 02 Oct 2018 10:31

Tgt Ion:225 Resp: 52330  
 Ion Ratio Lower Upper  
 225 100  
 223 63.3 0.0 126.6  
 227 64.8 0.0 129.6



Abundance Ion 225.00 (224.70 to 225.70): V  
 Ion 223.00 (222.70 to 223.70): V  
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.317 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

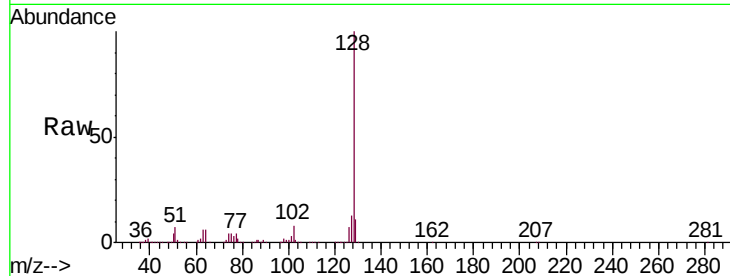
Tgt Ion:128 Resp: 336139

Ion Ratio Lower Upper

128 100

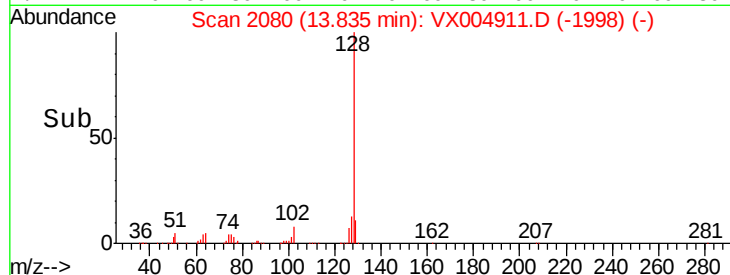
127 13.1 10.5 15.7

129 10.8 8.6 13.0

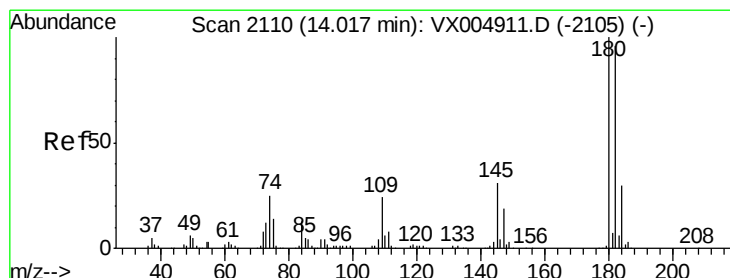


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

13.83



Time-->



#92

1,2,3-Trichlorobenzene

Concen: 19.076 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

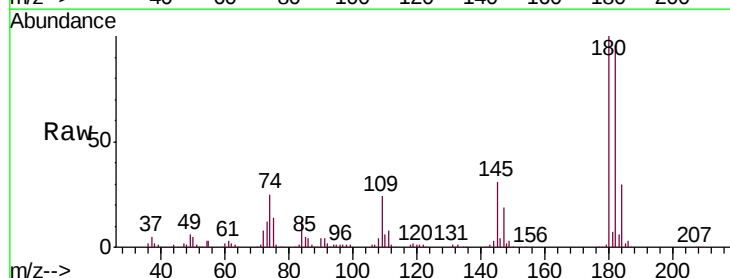
Tgt Ion:180 Resp: 109468

Ion Ratio Lower Upper

180 100

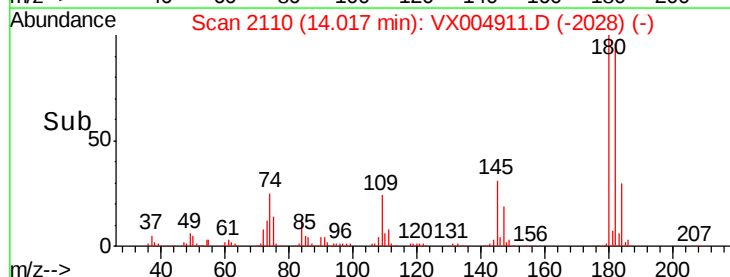
182 96.1 0.0 192.2

145 30.2 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 145.00 (144.70 to 145.70): V

14.02



Time-->