

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\  
 Data File : VX012900.D  
 Acq On : 08 Oct 2019 19:23  
 Operator : JC/SP  
 Sample : K5122-06MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 09 02:11:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 01:51:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 180297   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 310787   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 279621   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 129340   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 110597   | 49.08 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.16% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 87289    | 48.94 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.88% |      |
| 50) Toluene-d8            | 8.71   | 98  | 330023   | 47.44 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.88% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 127946   | 47.33 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.66% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 92368   | 50.260  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 103977  | 51.986  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 105478  | 51.094  | ug/l | 100    |
| 5) Bromomethane               | 1.63 | 94  | 36452   | 42.477  | ug/l | 97     |
| 6) Chloroethane               | 1.71 | 64  | 63097   | 50.037  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 142096  | 50.997  | ug/l | 100    |
| 8) Diethyl Ether              | 2.18 | 74  | 59418   | 52.831  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 86904   | 48.191  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 88314   | 43.917  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 135687  | 227.138 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 92630   | 50.840  | ug/l | 97     |
| 13) Acrolein                  | 2.28 | 56  | 101294  | 238.602 | ug/l | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 170446  | 52.530  | ug/l | 97     |
| 15) Acrylonitrile             | 3.13 | 53  | 304142  | 268.659 | ug/l | 100    |
| 16) Acetone                   | 2.44 | 43  | 260374  | 219.205 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.56 | 76  | 256105  | 49.296  | ug/l | 100    |
| 18) Methyl Acetate            | 2.76 | 43  | 135982  | 48.299  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 336378  | 53.461  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 107702  | 49.338  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 101231  | 51.838  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.84 | 45  | 330271  | 53.120  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.80 | 43  | 1400934 | 261.009 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 185636  | 53.072  | ug/l | 98     |
| 25) 2-Butanone                | 4.66 | 43  | 415338  | 252.037 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 138129  | 46.961  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 116785  | 51.881  | ug/l | 99     |
| 28) Bromochloromethane        | 5.00 | 49  | 57814   | 55.355  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.12 | 42  | 271393  | 267.626 | ug/l | 99     |
| 30) Chloroform                | 5.20 | 83  | 185218  | 51.607  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 159489  | 48.763  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 160356  | 52.731  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 135275  | 49.507  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.82 | 43  | 153809  | 50.340  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 136634  | 51.374  | ug/l | 96     |

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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 09 02:11:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 01:51:23 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 158425   | 47.809  | ug/l  | 99       |
| 40) Benzene                    | 6.13  | 78   | 419230   | 51.947  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 91176    | 54.307  | ug/l  | 96       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 149423   | 51.599  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.43  | 43   | 251597   | 51.304  | ug/l  | 100      |
| 44) Trichloroethene            | 7.20  | 130  | 107410   | 47.995  | ug/l  | 94       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 105799   | 51.437  | ug/l  | 98       |
| 46) Dibromomethane             | 7.65  | 93   | 72178    | 52.669  | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.89  | 83   | 141586   | 52.942  | ug/l  | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 124990   | 52.302  | ug/l  | 99       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 57579    | 901.414 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 806738   | 263.851 | ug/l  | 100      |
| 52) Toluene                    | 8.78  | 92   | 265815   | 51.484  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 156052   | 46.898  | ug/l  | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 171233   | 52.059  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 106871   | 52.304  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 177035   | 48.445  | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 182102   | 51.522  | ug/l  | 98       |
| 59) 2-Hexanone                 | 9.49  | 43   | 616502   | 259.023 | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 108045   | 47.610  | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 113169   | 52.652  | ug/l  | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 90337    | 46.579  | ug/l  | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 276411   | 49.778  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 99549    | 51.706  | ug/l  | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 501476   | 50.842  | ug/l  | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 377641   | 102.486 | ug/l  | 98       |
| 69) o-Xylene                   | 10.70 | 106  | 184151   | 51.248  | ug/l  | 100      |
| 70) Styrene                    | 10.71 | 104  | 315077   | 51.578  | ug/l  | 99       |
| 71) Bromoform                  | 10.85 | 173  | 75361    | 46.201  | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 481780   | 50.664  | ug/l  | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 211072   | 51.538  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 161643   | 51.107  | ug/l  | 98       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 185368   | 64.616  | ug/l  | 78       |
| 77) Bromobenzene               | 11.25 | 156  | 111852   | 49.915  | ug/l  | 100      |
| 78) n-propylbenzene            | 11.35 | 91   | 532640   | 50.903  | ug/l  | 98       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 337165   | 51.271  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 400317   | 50.416  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 49988    | 45.232  | ug/l  | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 386307   | 51.251  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 397907   | 51.371  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 408839   | 50.840  | ug/l  | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 452594   | 50.435  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 413146   | 49.641  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 206365   | 49.592  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 203166   | 48.208  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 355874   | 50.877  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 71751    | 46.694  | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 203229   | 49.817  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 39997    | 53.955  | ug/l  | 95       |
| 93) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 125982   | 49.298  | ug/l  | 98       |

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Sample : K5122-06MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 21 Sample Multiplier: 1

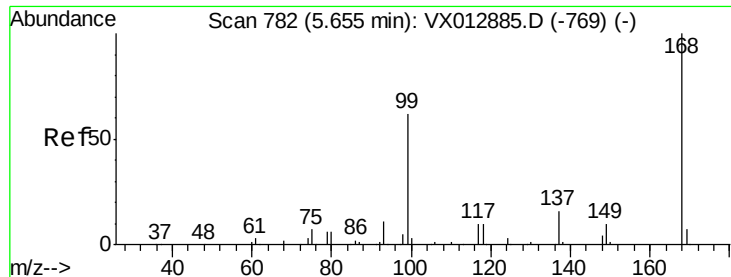
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Oct 09 02:11:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 09 01:51:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 53923    | 45.721 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 458928   | 51.805 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 130257   | 49.324 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

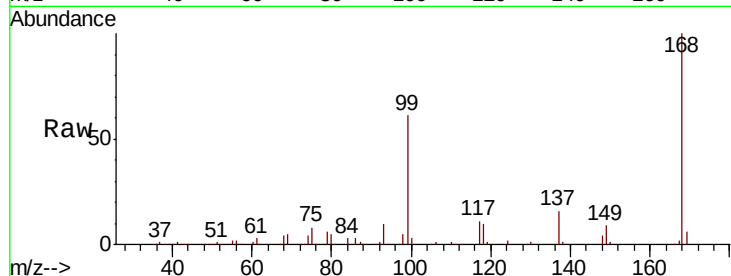
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:168 Resp: 180297

Ion Ratio Lower Upper

168 100

99 60.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

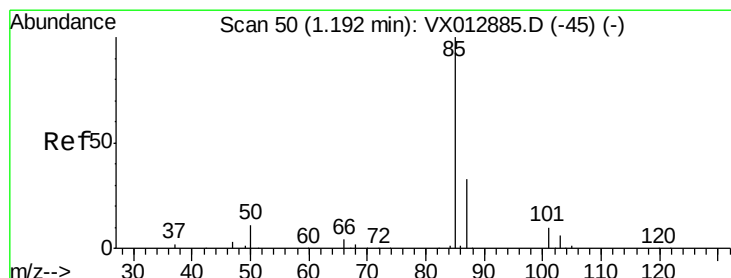
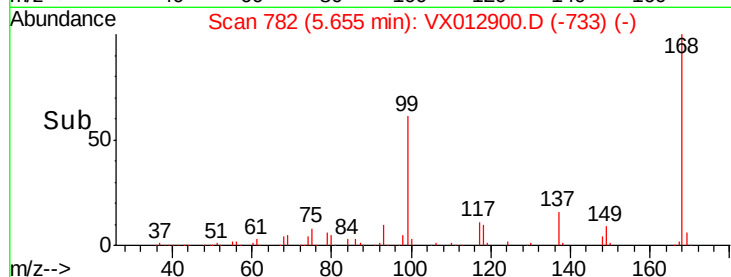
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.260 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012900.D

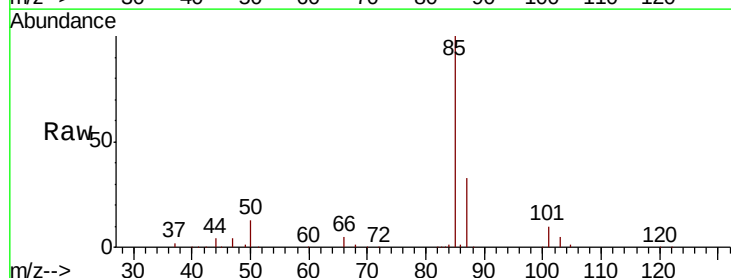
Acq: 08 Oct 2019 19:23

Tgt Ion: 85 Resp: 92368

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

60000

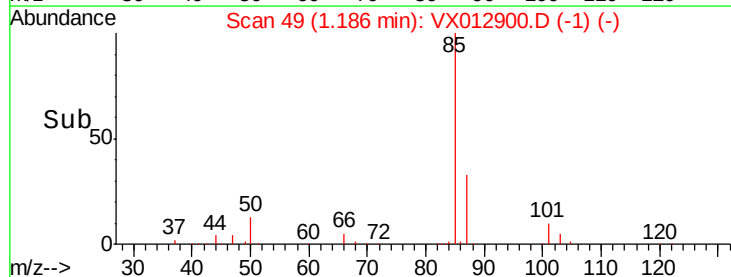
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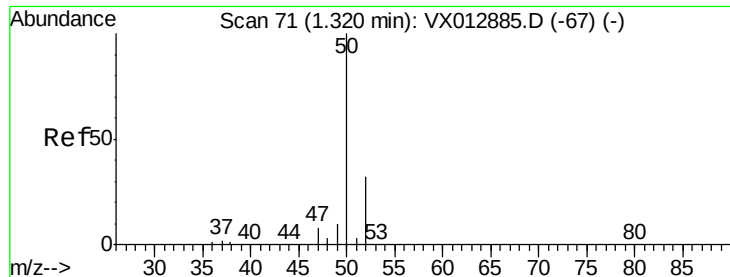
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 51.986 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

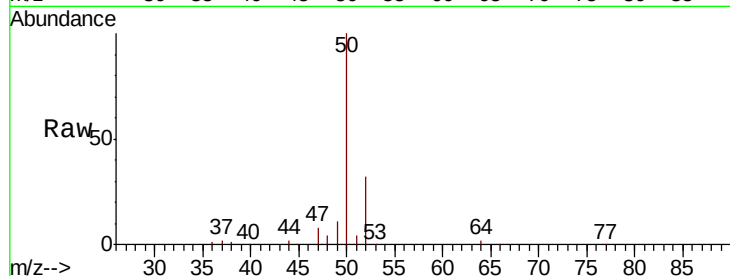
ClientSampled :

Tot Ion: 50 Resp: 103977

Ion Ratio Lower Upper

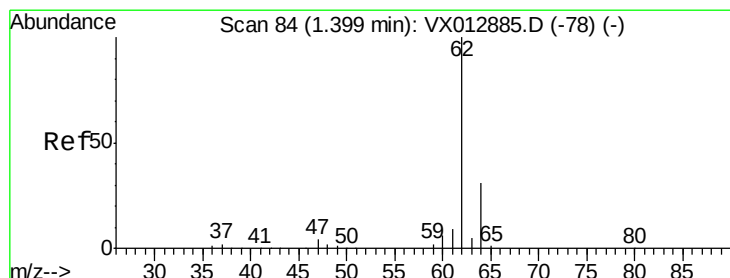
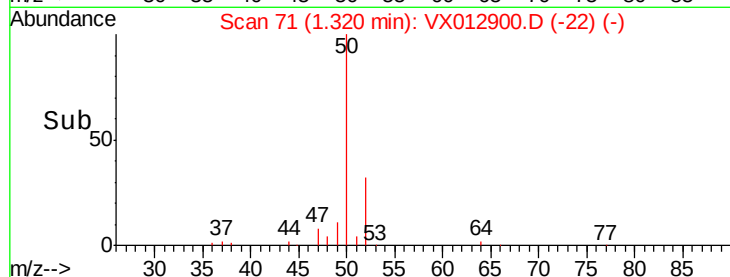
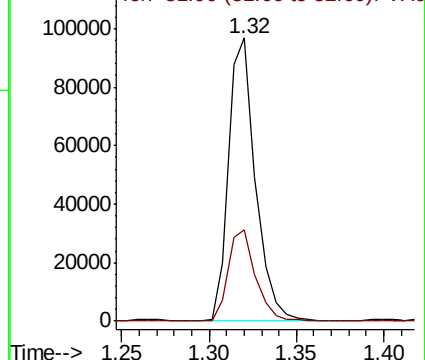
50 100

52 32.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.094 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012900.D

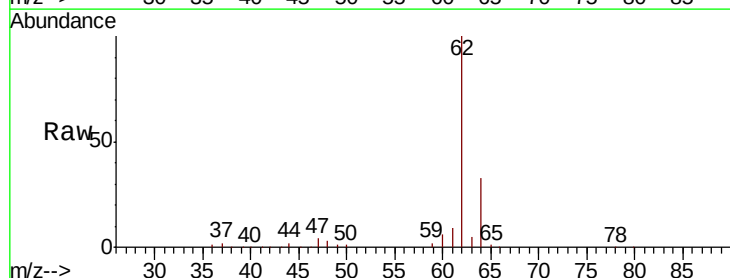
Acq: 08 Oct 2019 19:23

Tgt Ion: 62 Resp: 105478

Ion Ratio Lower Upper

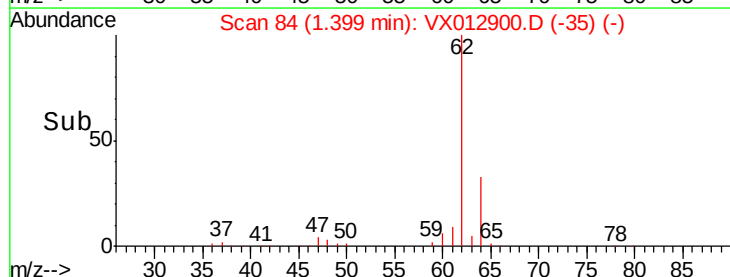
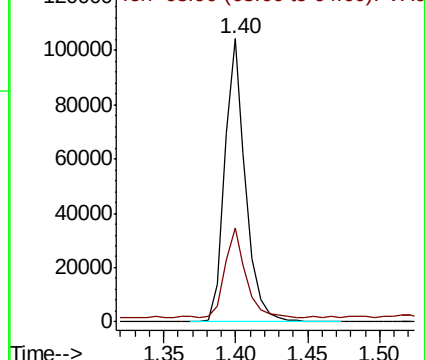
62 100

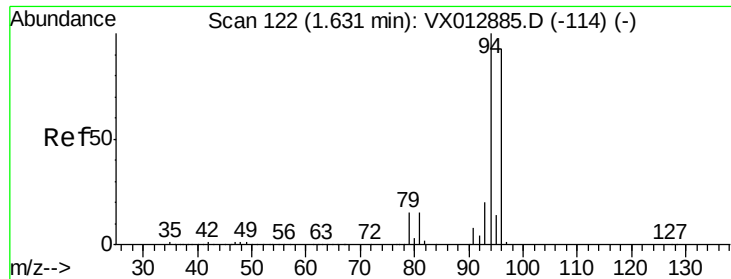
64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.477 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

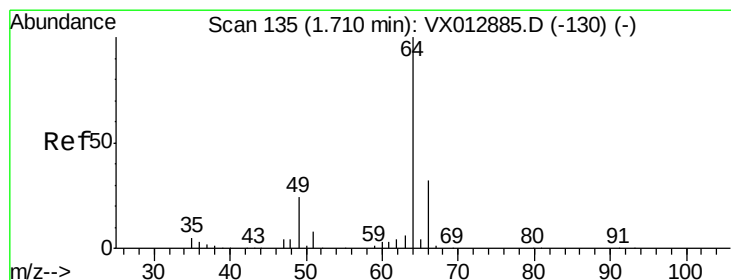
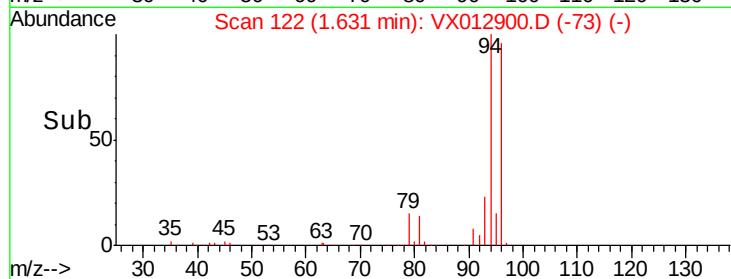
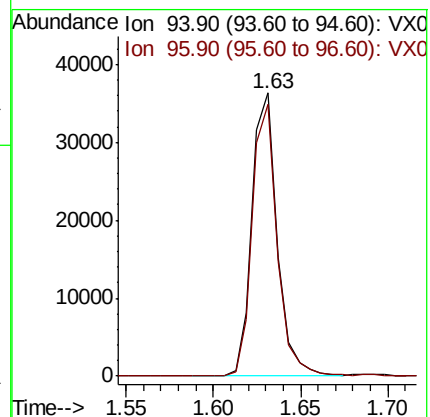
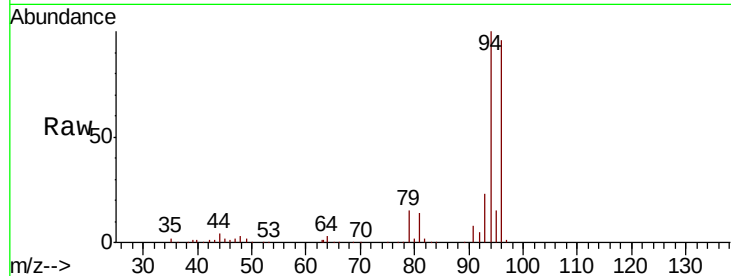
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 94 Resp: 36452

Ion Ratio Lower Upper

94 100

96 95.8 74.7 112.1



#6

Chloroethane

Concen: 50.037 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012900.D

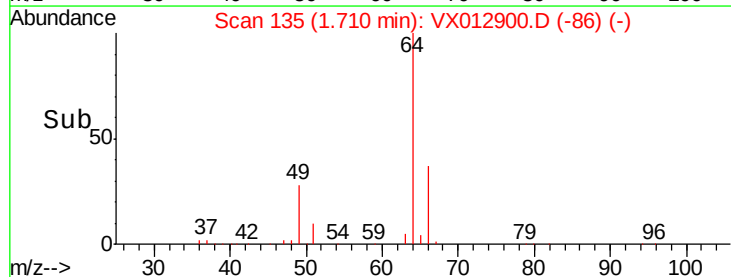
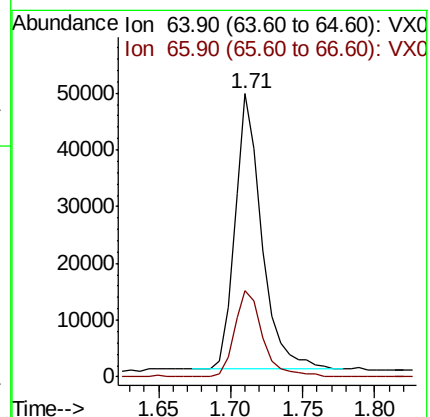
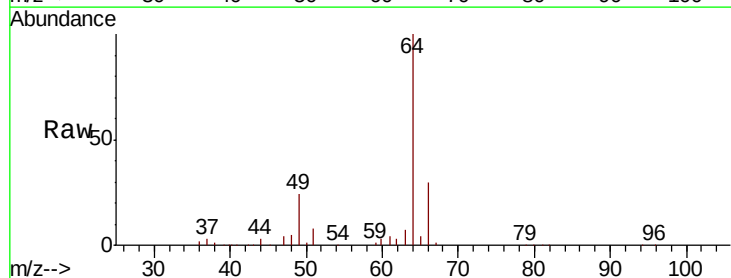
Acq: 08 Oct 2019 19:23

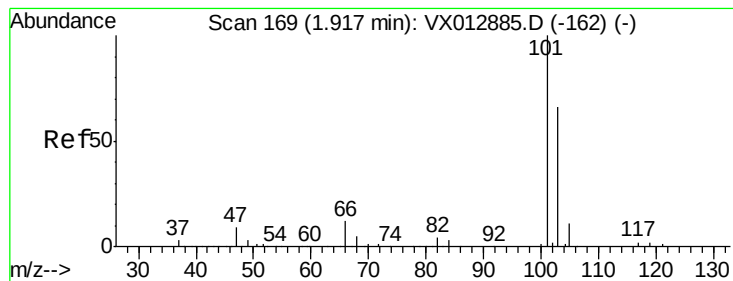
Tgt Ion: 64 Resp: 63097

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4



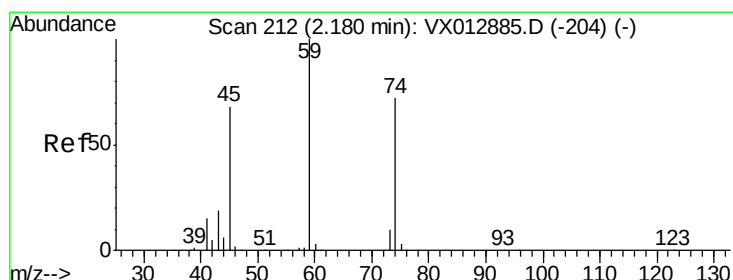
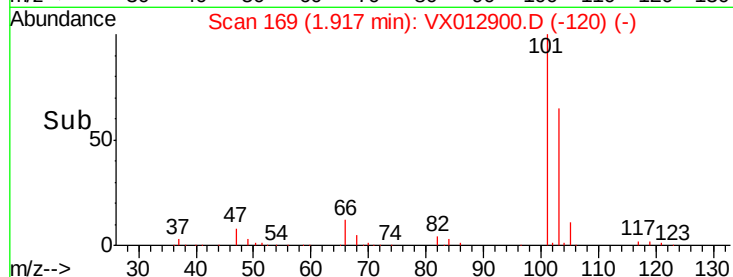
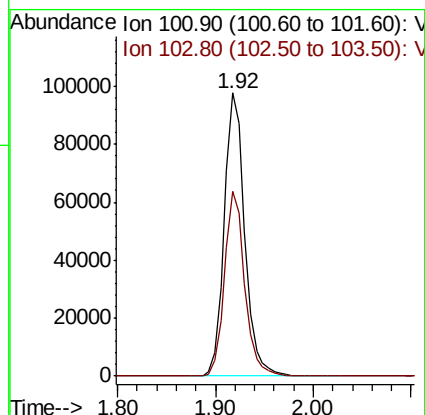
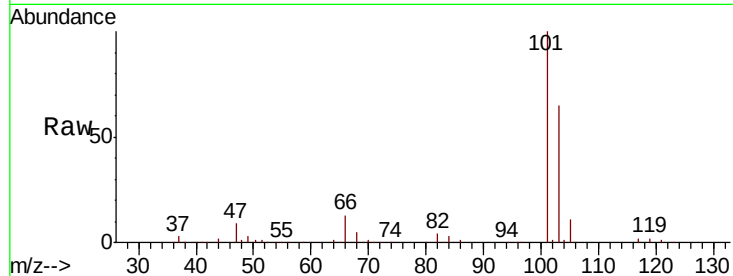


#7

Trichlorofluoromethane  
Concen: 50.997 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Instrument :  
MSVOA\_X  
ClientSampled :

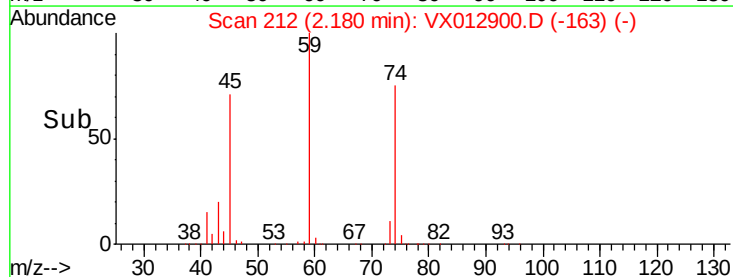
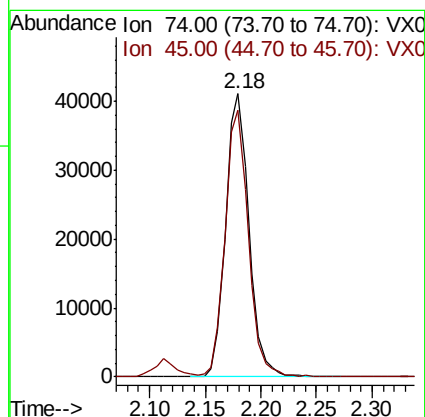
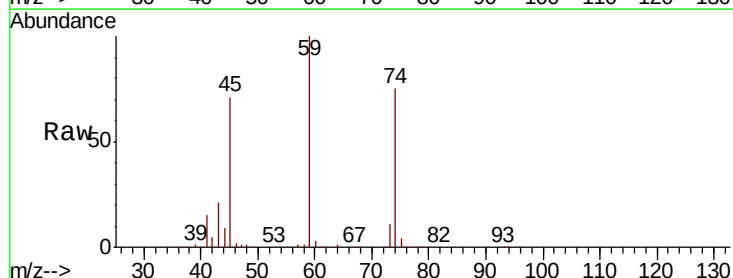
Tot Ion:101 Resp: 142096  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.5 78.7



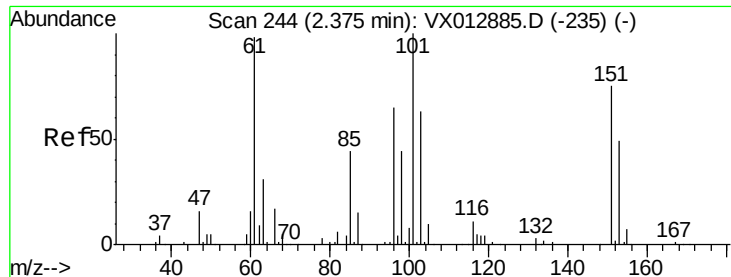
#8

Diethyl Ether  
Concen: 52.831 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 74 Resp: 59418  
Ion Ratio Lower Upper  
74 100  
45 95.0 47.8 143.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.191 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX012900.D

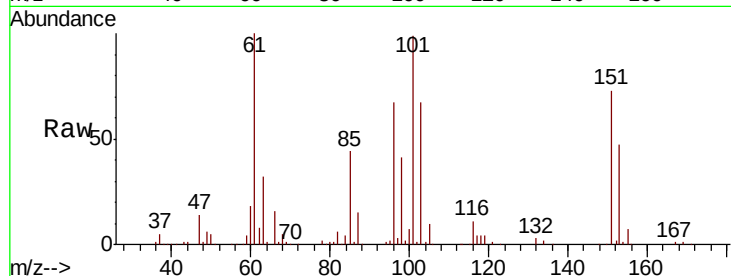
Acq: 08 Oct 2019 19:23

Instrument :

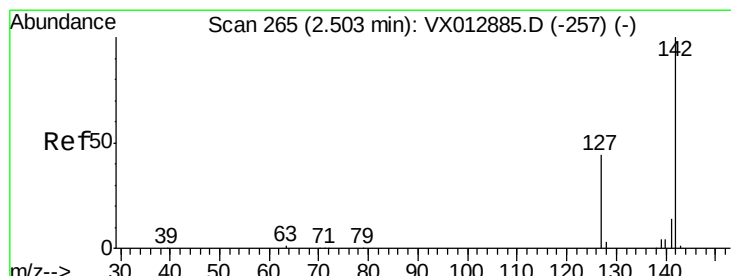
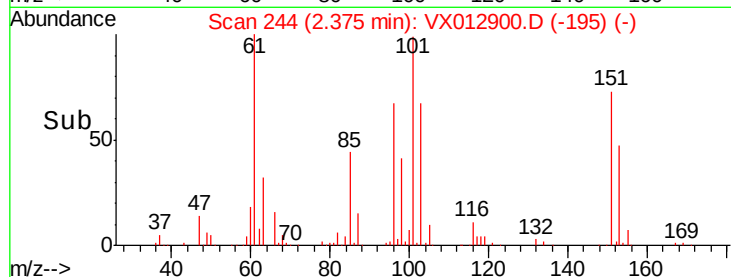
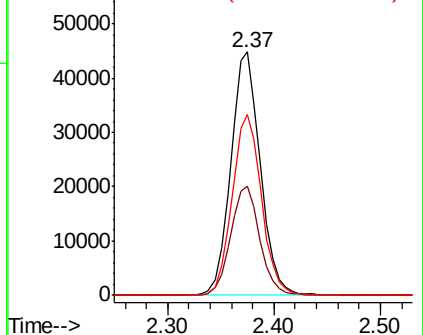
MSVOA\_X

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 101   | Resp: | 86904 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 44.3  | 35.2  | 52.8  |
| 151      | 74.1  | 60.3  | 90.5  |



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.917 ug/l

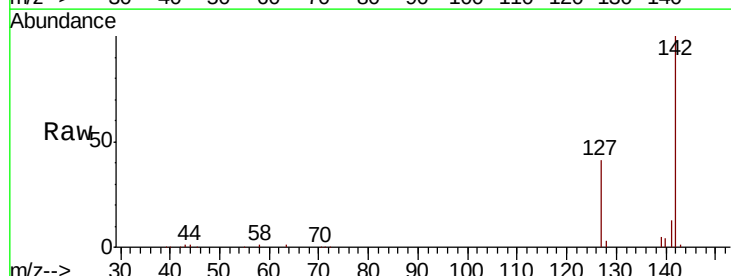
RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

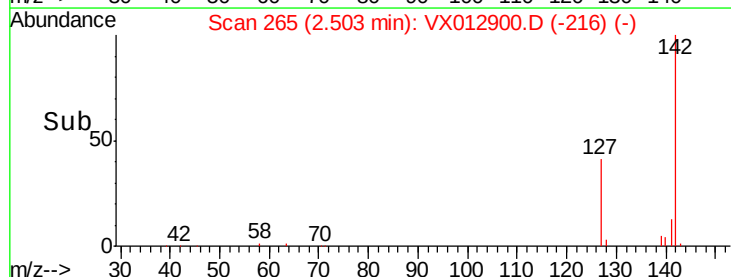
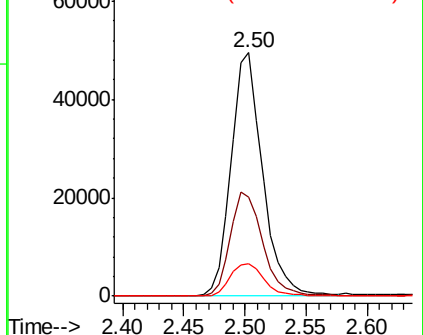
Lab File: VX012900.D

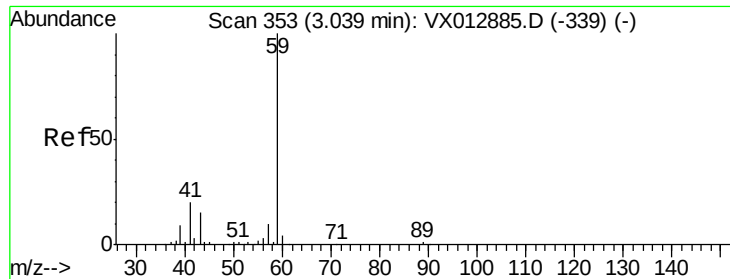
Acq: 08 Oct 2019 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 88314 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 44.1  | 34.9  | 52.3  |
| 141      | 14.5  | 11.6  | 17.4  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

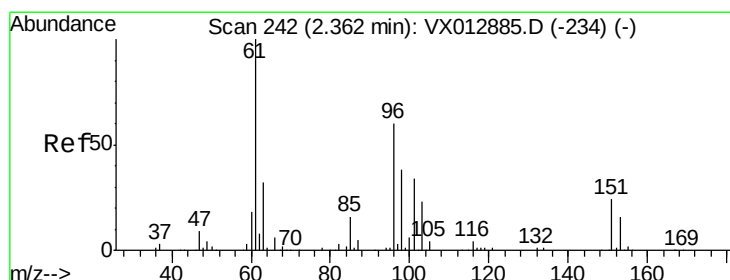
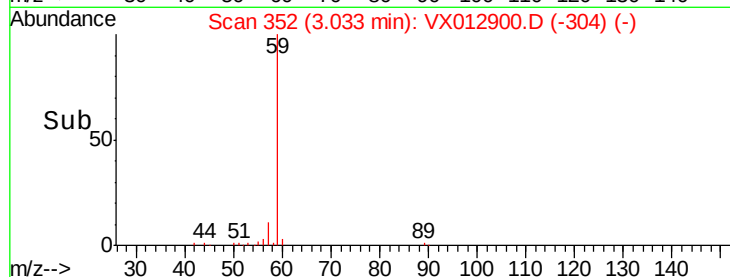
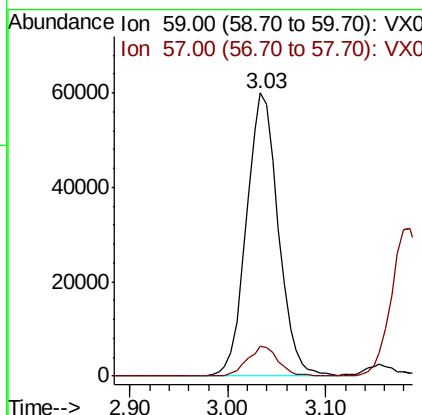
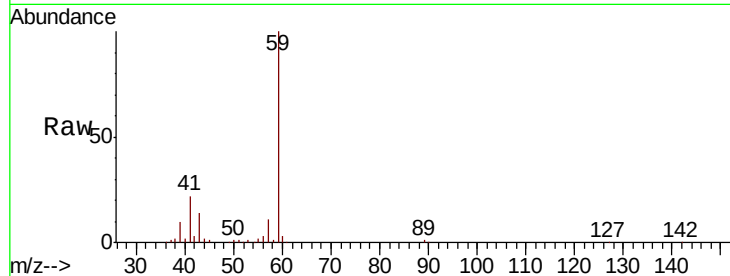




#11  
Tert butyl alcohol  
Concen: 227.138 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. -0.01 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

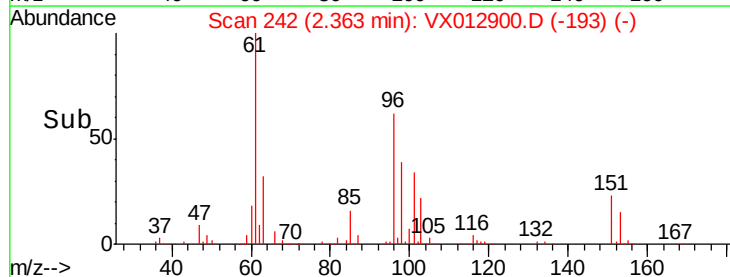
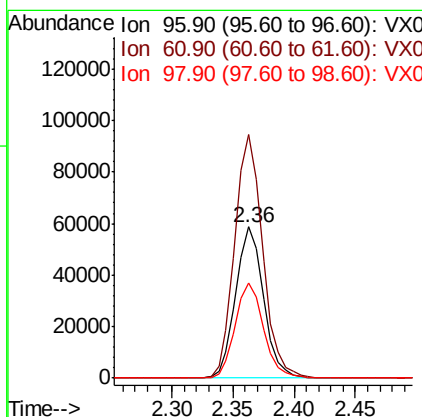
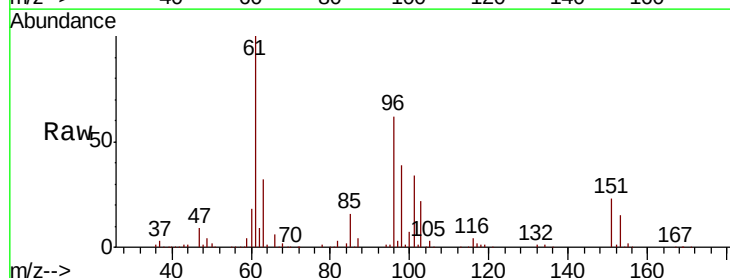
Instrument :  
MSVOA\_X  
ClientSampleId :

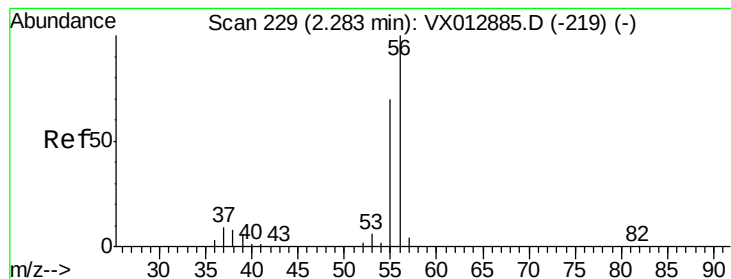
Tot Ion: 59 Resp: 135687  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 50.840 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 96 Resp: 92630  
Ion Ratio Lower Upper  
96 100  
61 160.9 132.2 198.4  
98 62.7 50.5 75.7





#13

Acrolein

Concen: 238.602 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

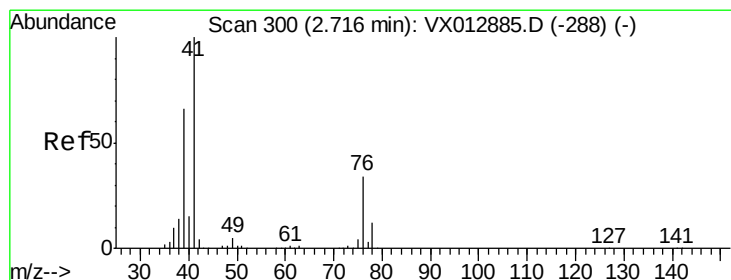
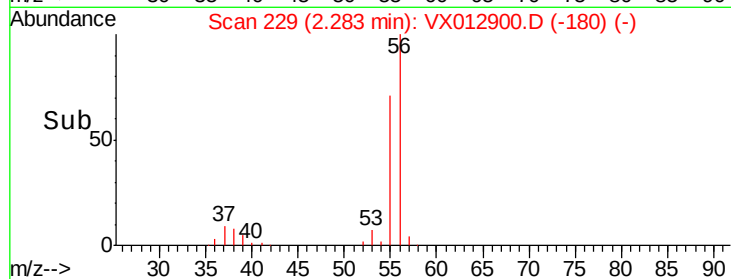
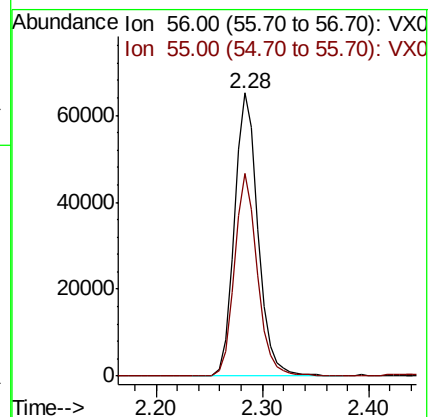
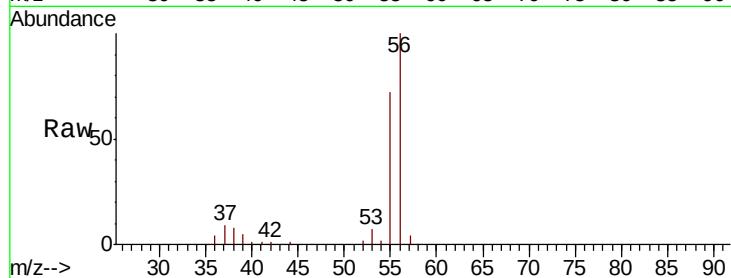
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 56 Resp: 101294

Ion Ratio Lower Upper

56 100

55 69.7 56.6 85.0



#14

Allyl chloride

Concen: 52.530 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

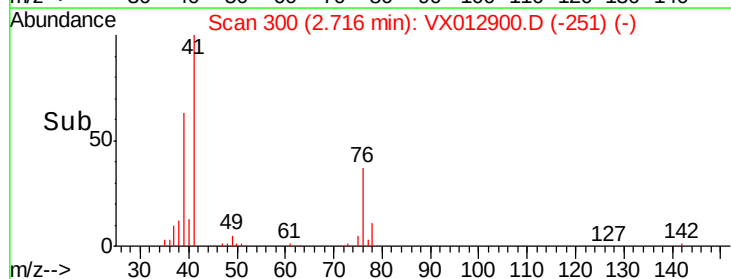
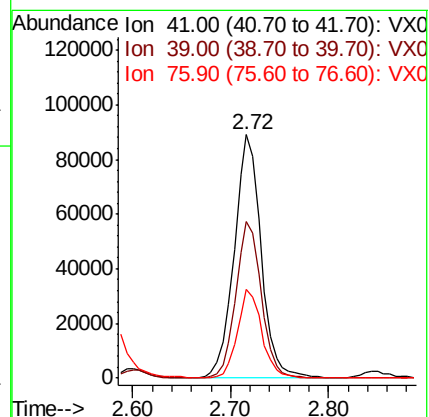
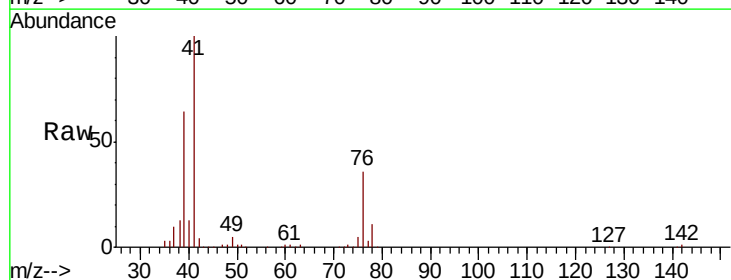
Tgt Ion: 41 Resp: 170446

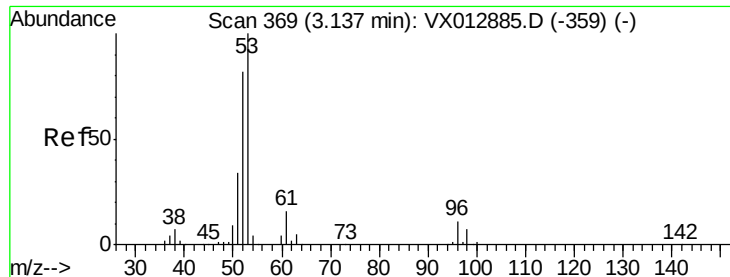
Ion Ratio Lower Upper

41 100

39 60.6 51.0 76.6

76 32.6 26.2 39.4





#15

Acrylonitrile

Concen: 268.659 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampleId :

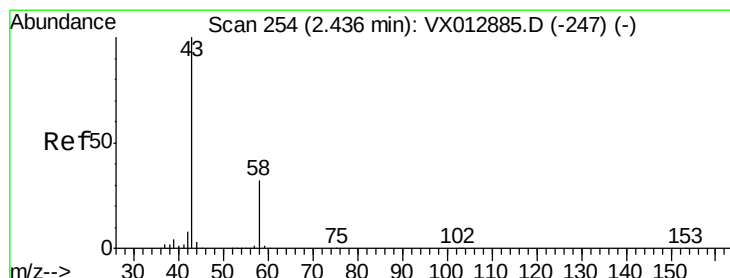
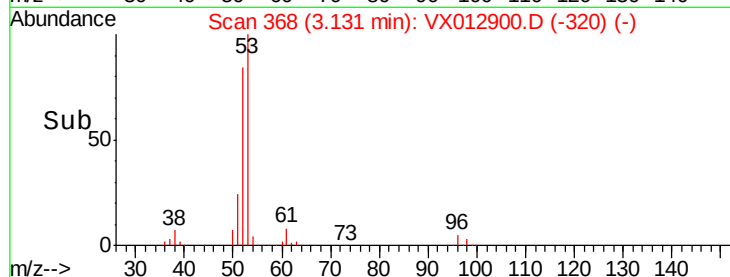
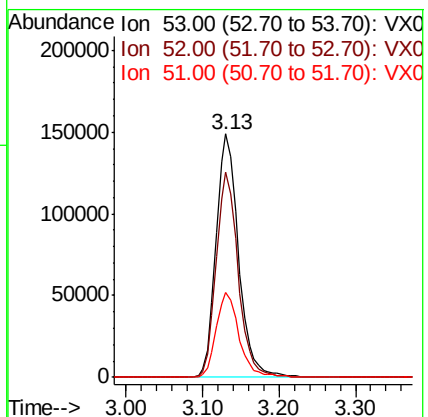
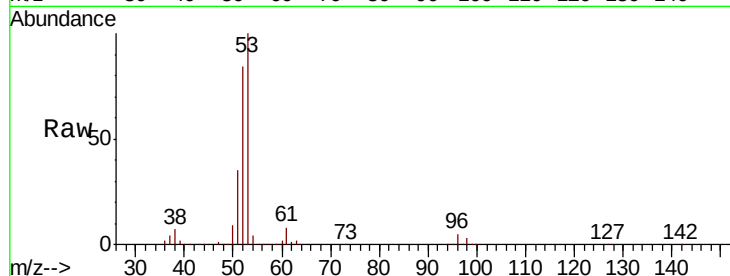
Tot Ion: 53 Resp: 304142

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.2

51 35.6 28.2 42.4



#16

Acetone

Concen: 219.205 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012900.D

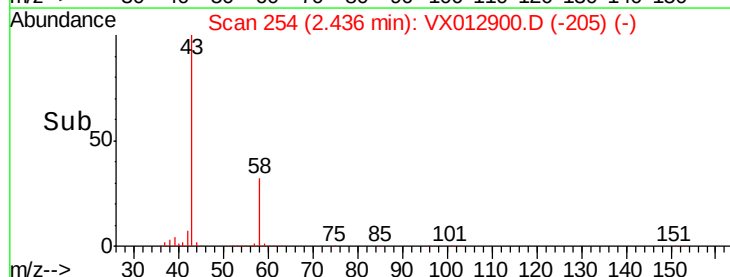
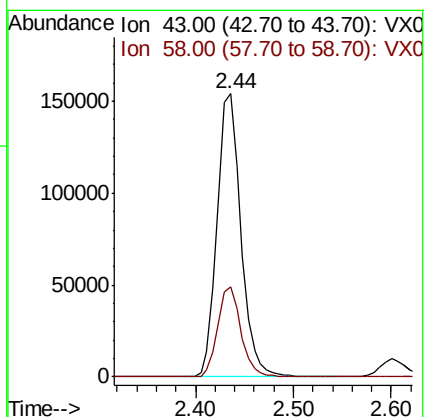
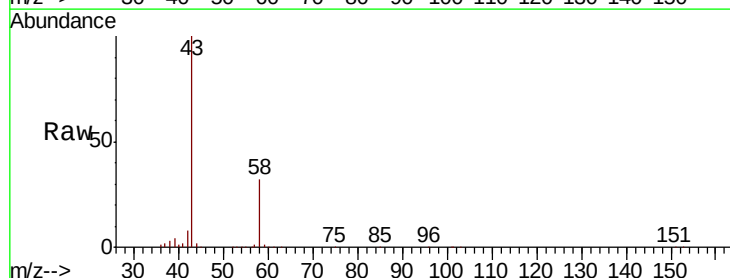
Acq: 08 Oct 2019 19:23

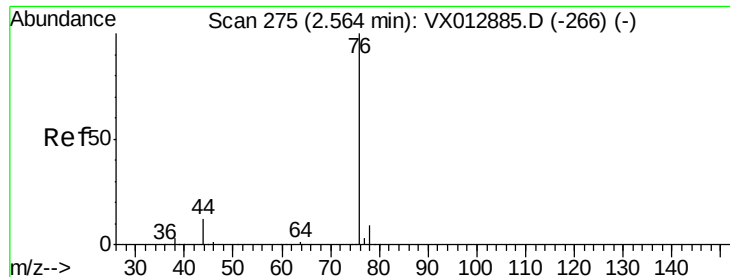
Tgt Ion: 43 Resp: 260374

Ion Ratio Lower Upper

43 100

58 31.9 25.4 38.2





#17

Carbon Disulfide

Concen: 49.296 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

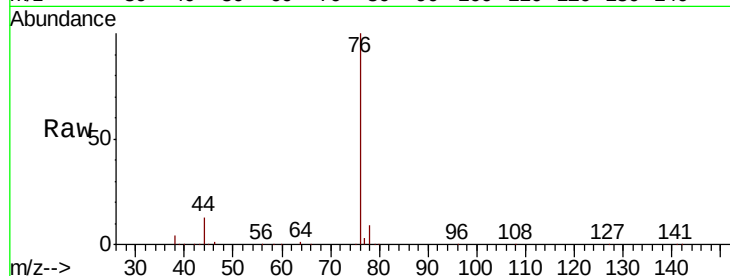
ClientSampleId :

Tot Ion: 76 Resp: 256105

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

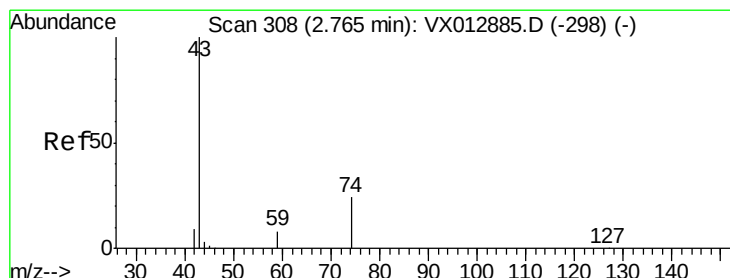
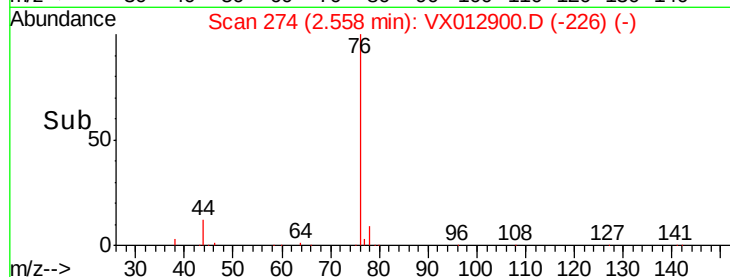
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.299 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012900.D

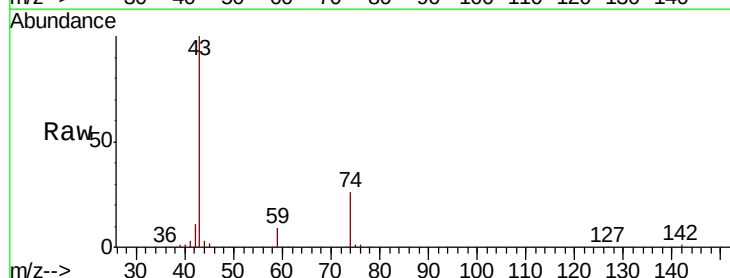
Acq: 08 Oct 2019 19:23

Tgt Ion: 43 Resp: 135982

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

80000

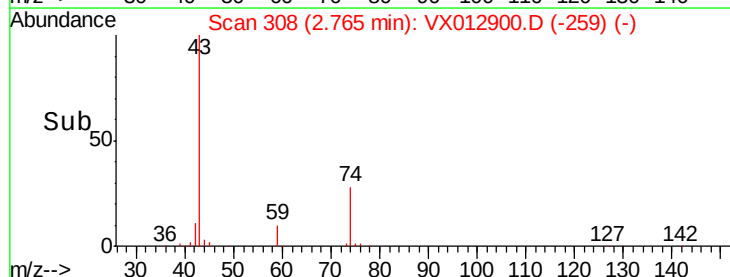
60000

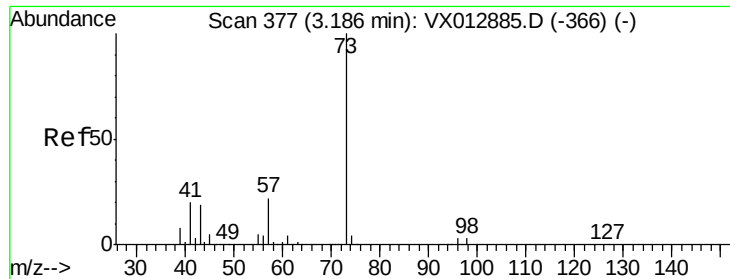
40000

20000

0

Time-->



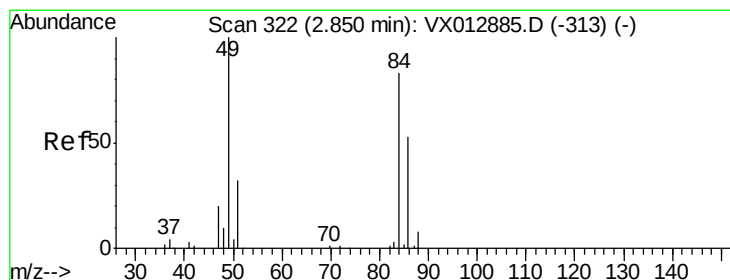
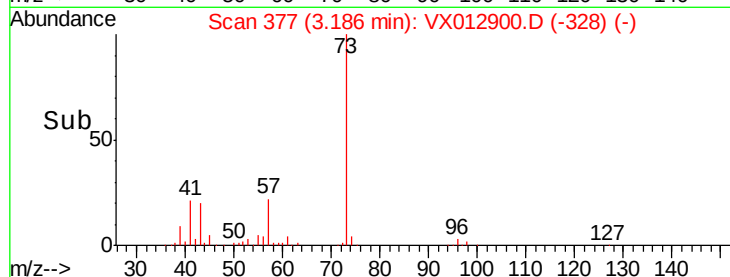
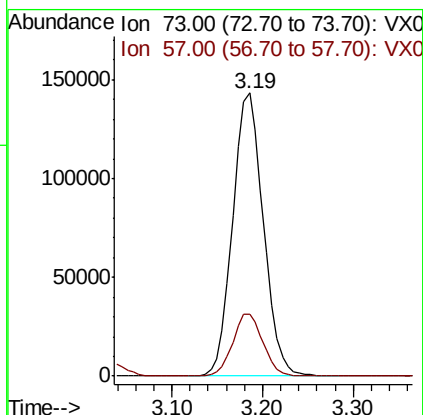
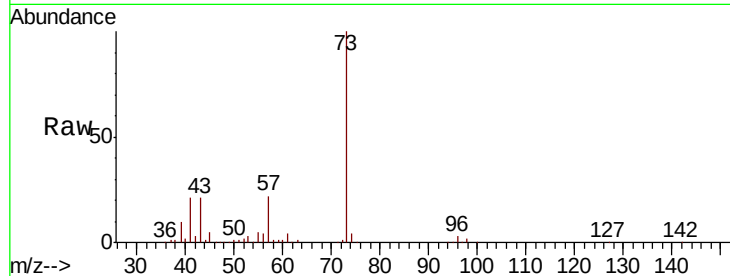


#19

Methyl tert-butyl Ether  
 Concen: 53.461 ug/l  
 RT: 3.19 min Scan# 377  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :

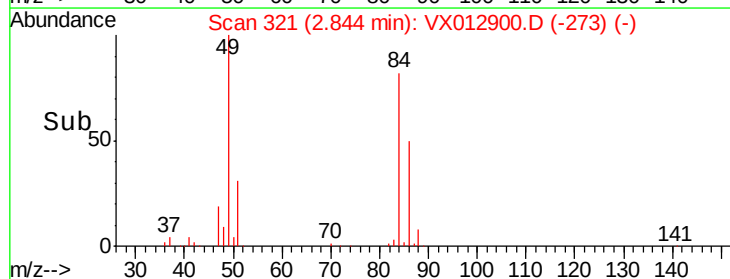
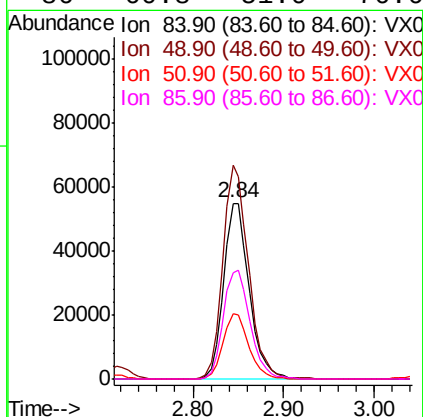
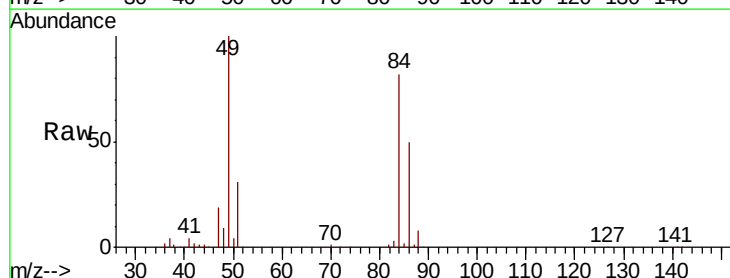
Tot Ion: 73 Resp: 336378  
 Ion Ratio Lower Upper  
 73 100  
 57 21.8 17.8 26.6

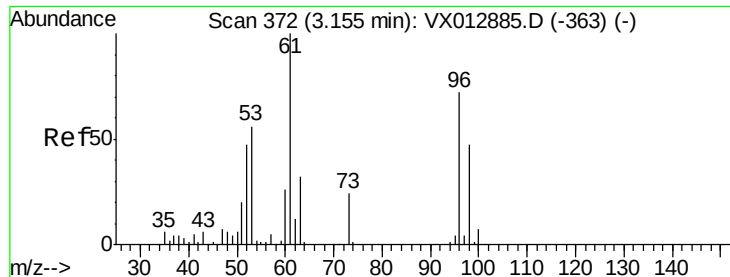


#20

Methylene Chloride  
 Concen: 49.338 ug/l  
 RT: 2.84 min Scan# 321  
 Delta R.T. -0.01 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion: 84 Resp: 107702  
 Ion Ratio Lower Upper  
 84 100  
 49 121.4 96.6 144.8  
 51 37.2 30.7 46.1  
 86 60.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.838 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampled :

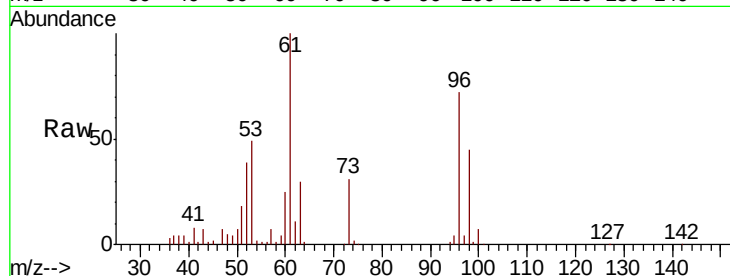
Tot Ion: 96 Resp: 101231

Ion Ratio Lower Upper

96 100

61 138.1 110.4 165.6

98 62.2 51.5 77.3

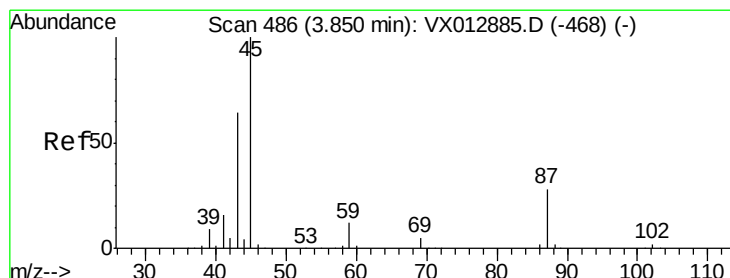
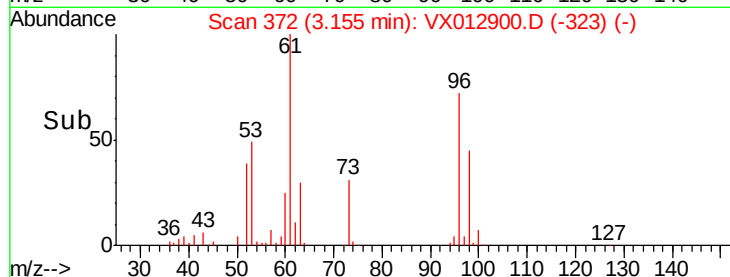
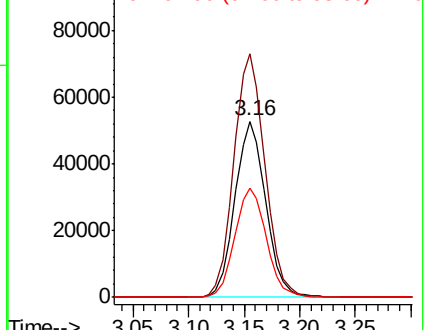


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.120 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion: 45 Resp: 330271

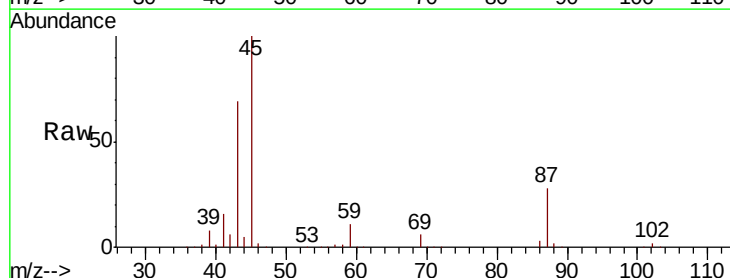
Ion Ratio Lower Upper

45 100

43 69.2 51.4 77.0

87 28.2 22.5 33.7

59 10.5 9.7 14.5



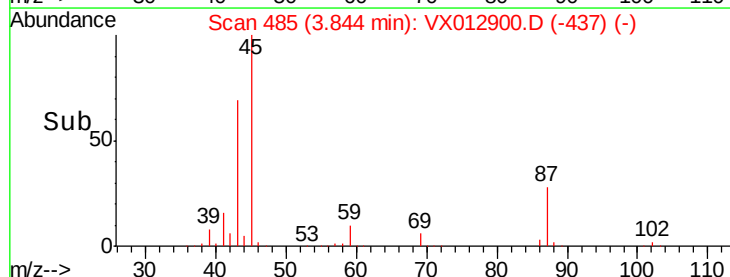
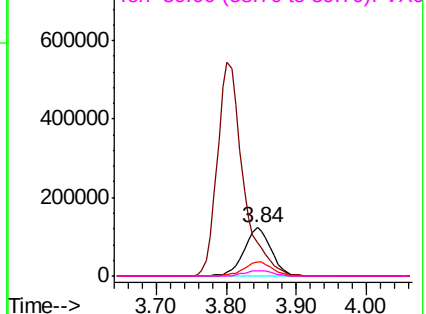
Abundance

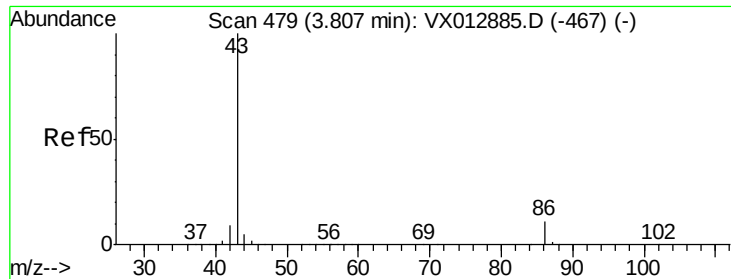
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 261.009 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

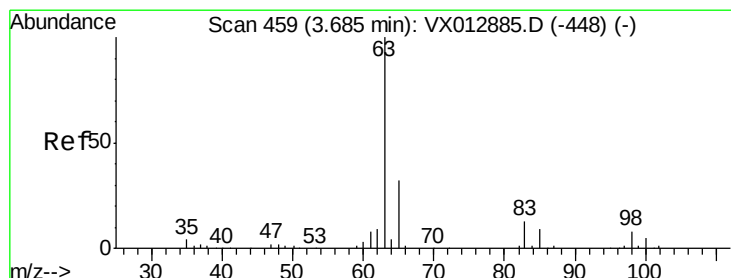
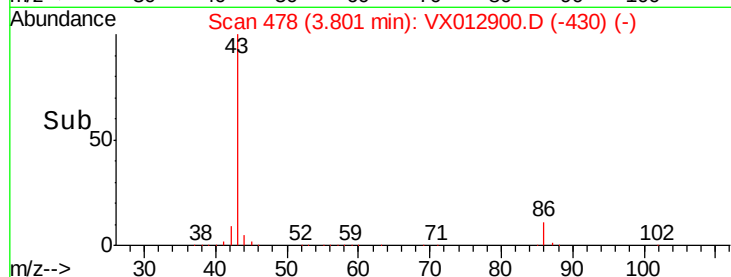
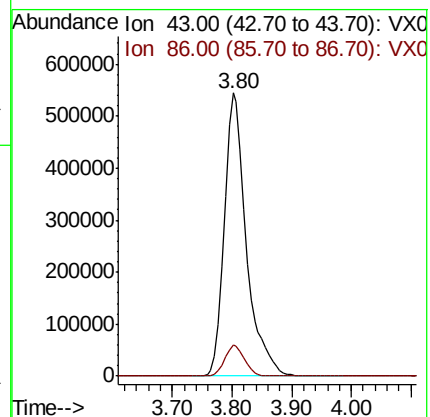
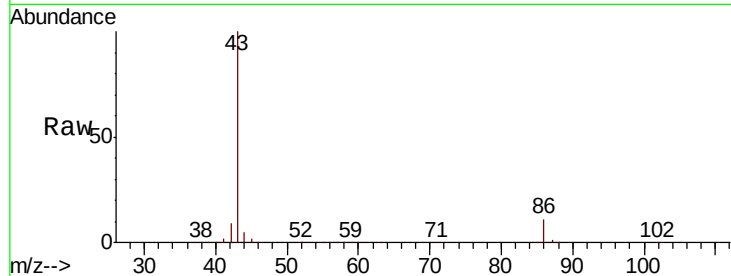
ClientSampleId :

Tot Ion: 43 Resp: 1400934

Ion Ratio Lower Upper

43 100

86 10.9 9.0 13.6



#24

1,1-Dichloroethane

Concen: 53.072 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

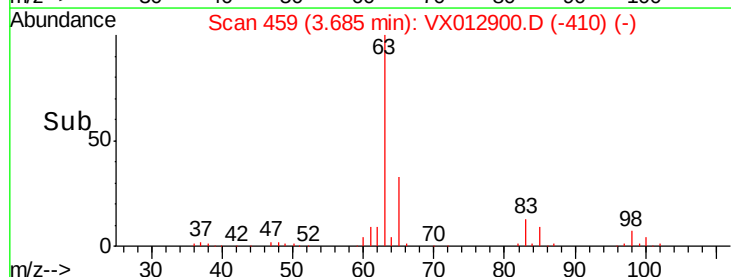
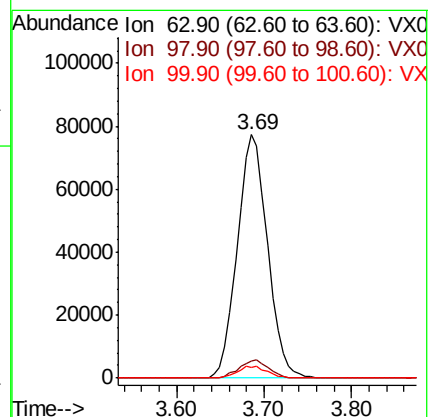
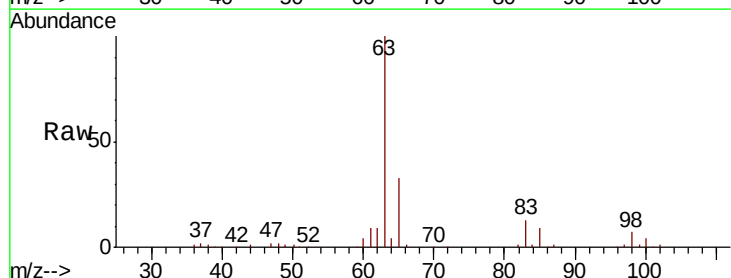
Tgt Ion: 63 Resp: 185636

Ion Ratio Lower Upper

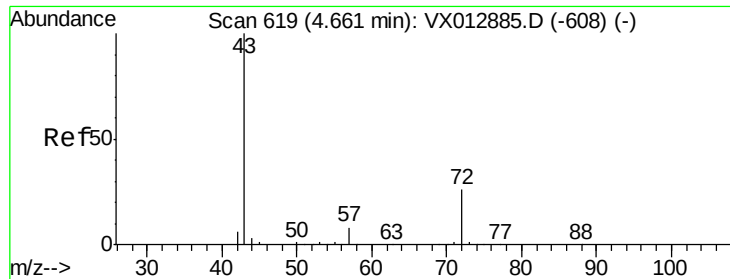
63 100

98 6.8 3.9 11.5

100 4.4 2.3 6.9







#25

2-Butanone

Concen: 252.037 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

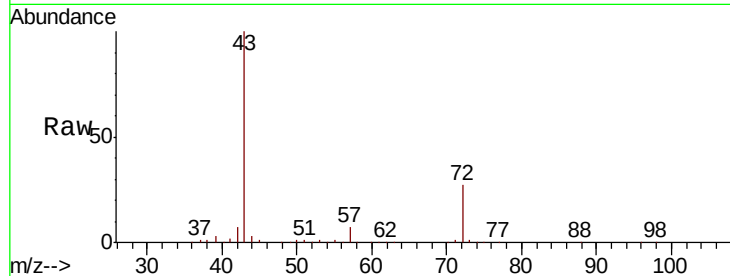
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 43 Resp: 415338

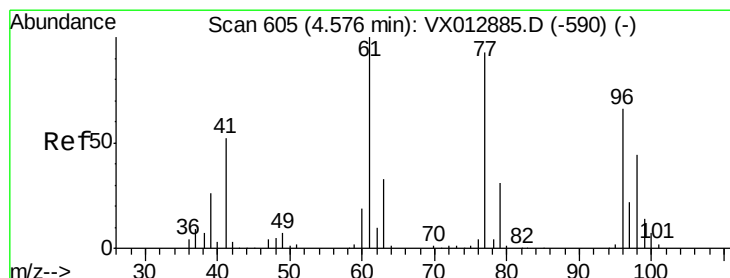
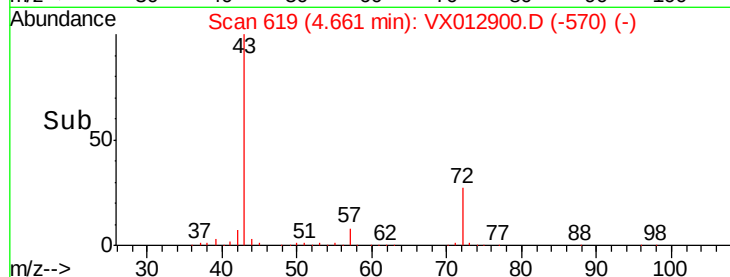
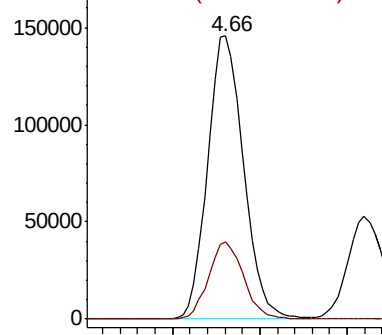
Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.961 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012900.D

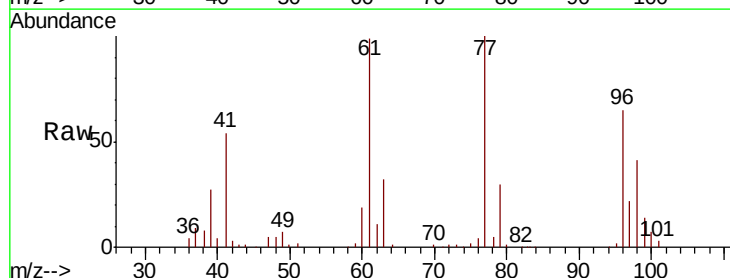
Acq: 08 Oct 2019 19:23

Tgt Ion: 77 Resp: 138129

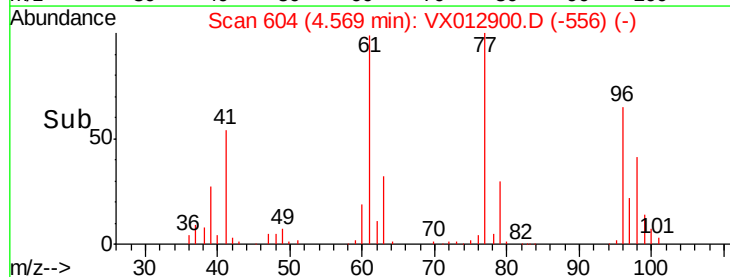
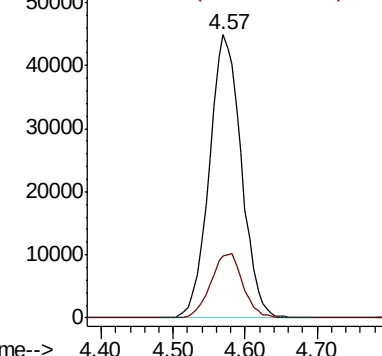
Ion Ratio Lower Upper

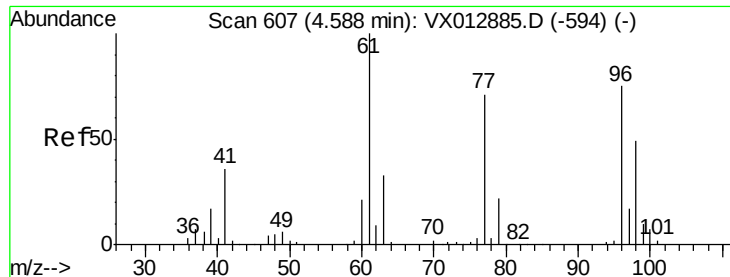
77 100

97 22.8 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0  
Ion 96.90 (96.60 to 97.60): VX0



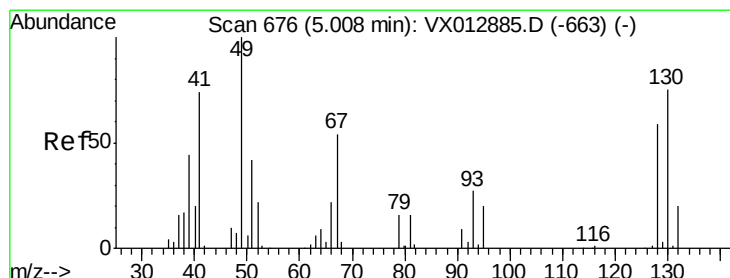
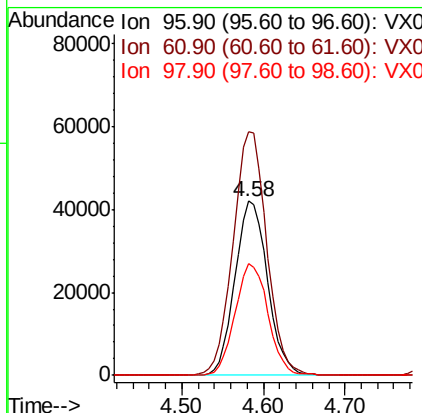
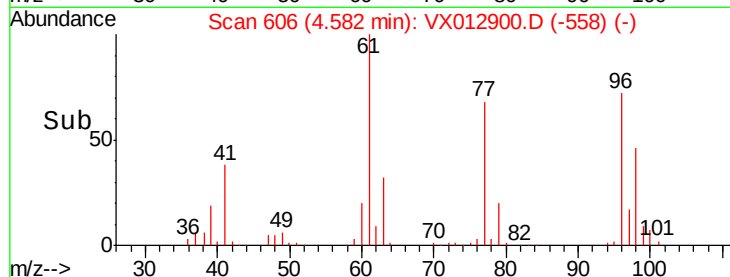
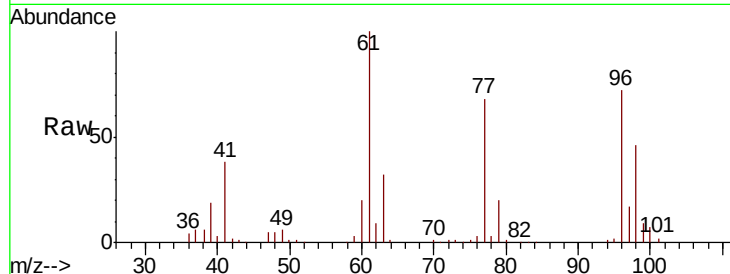


#27

cis-1,2-Dichloroethene  
Concen: 51.881 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Instrument :  
MSVOA\_X  
ClientSampleId :

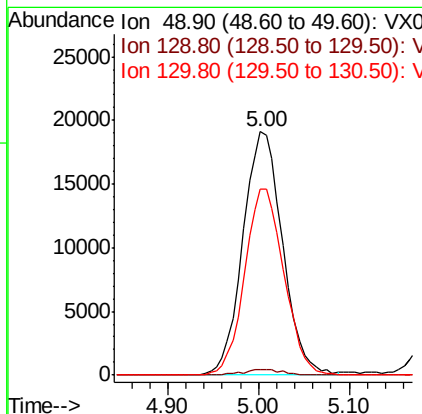
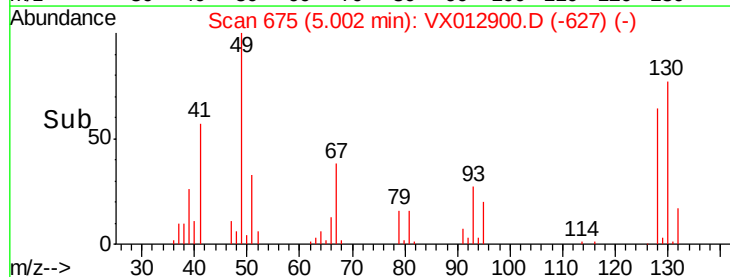
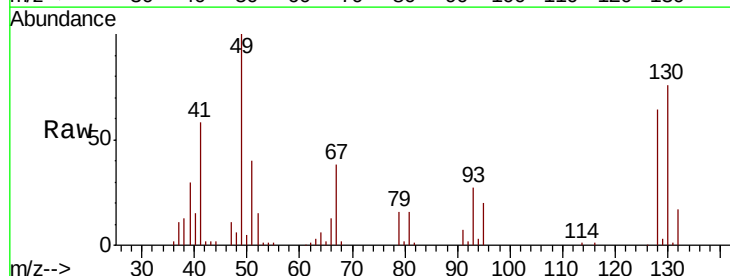
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.0 | 0.0   | 290.6 |
| 98      | 64.7  | 0.0   | 128.8 |

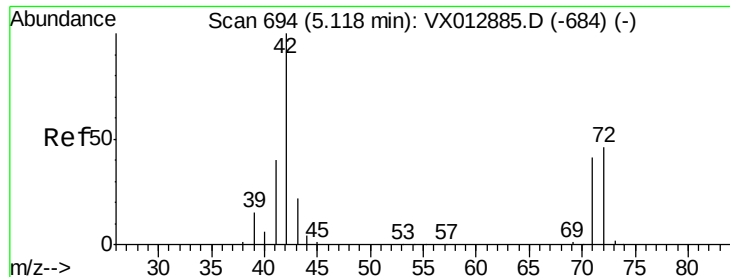


#28

Bromochloromethane  
Concen: 55.355 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 4.2   |
| 130     | 75.8  | 62.1  | 93.1  |

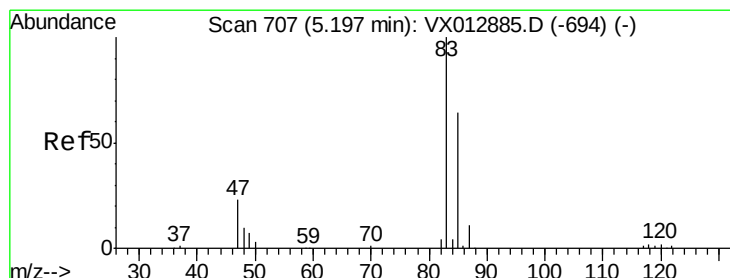
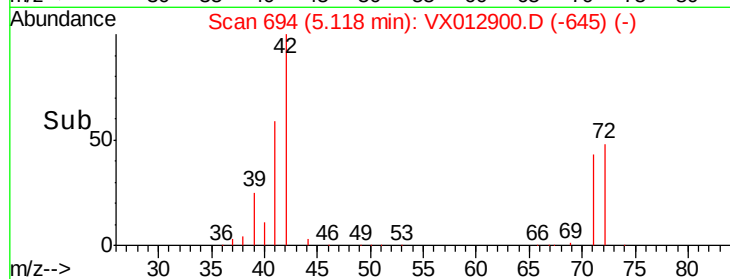
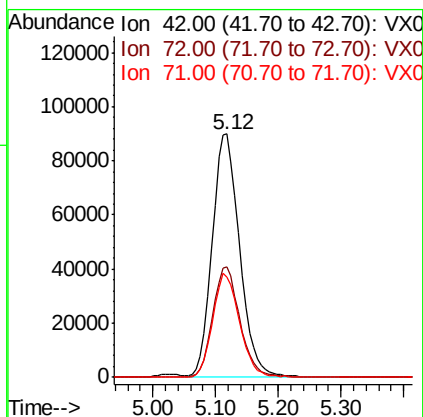
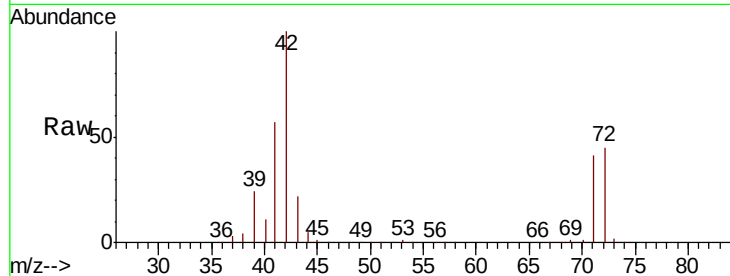




#29  
Tetrahydrofuran  
Concen: 267.626 ug/l  
RT: 5.12 min Scan# 694  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

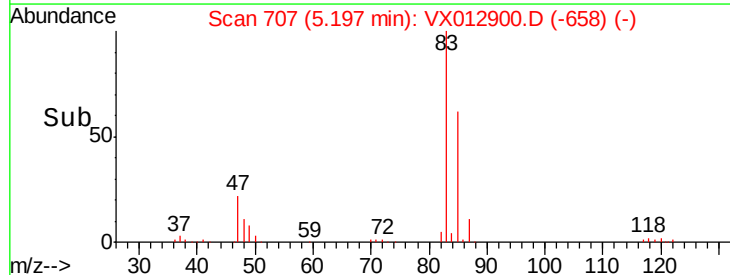
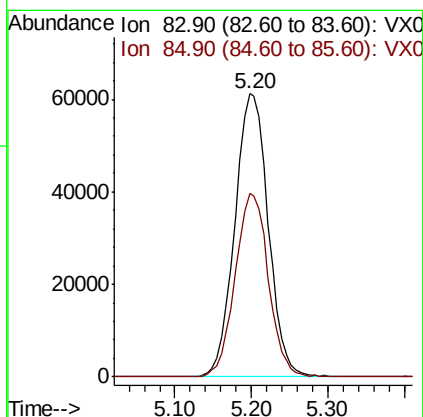
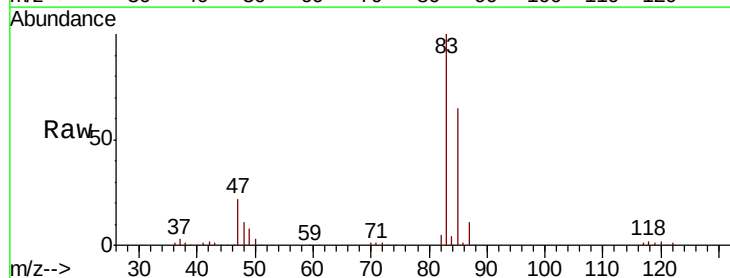
Instrument :  
MSVOA\_X  
ClientSampled :

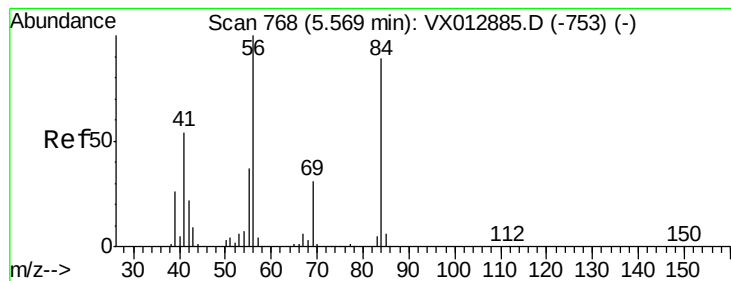
Tot Ion: 42 Resp: 271393  
Ion Ratio Lower Upper  
42 100  
72 45.3 36.9 55.3  
71 42.0 33.5 50.3



#30  
Chloroform  
Concen: 51.607 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 83 Resp: 185218  
Ion Ratio Lower Upper  
83 100  
85 64.8 51.5 77.3





#31

Cyclohexane

Concen: 48.763 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampleId :

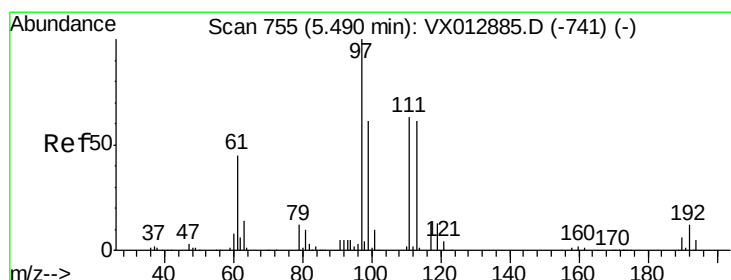
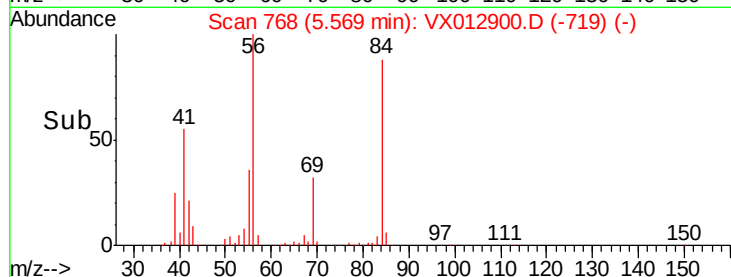
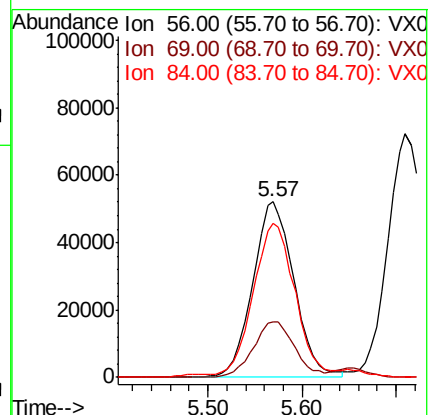
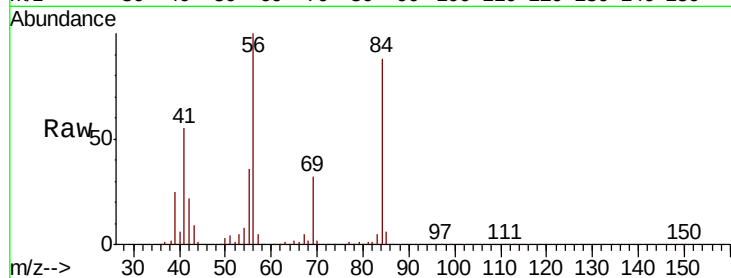
Tot Ion: 56 Resp: 159489

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 85.9 71.3 106.9



#32

1,1,1-Trichloroethane

Concen: 52.731 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

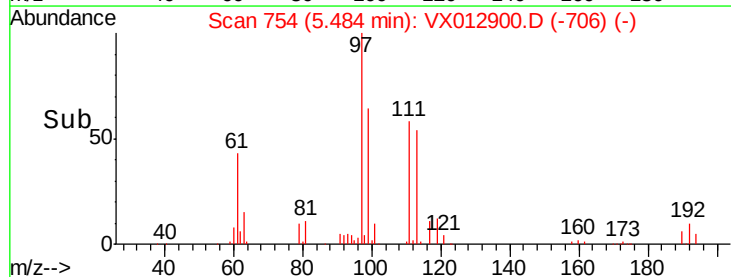
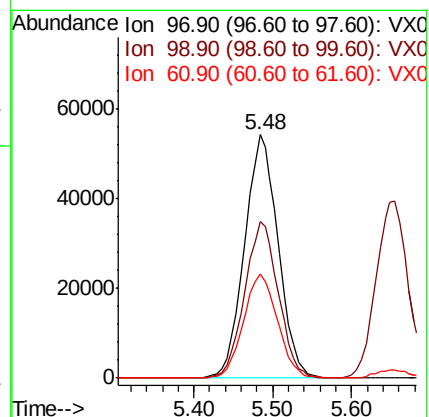
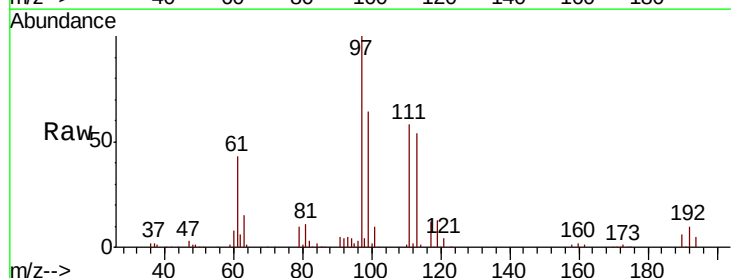
Tgt Ion: 97 Resp: 160356

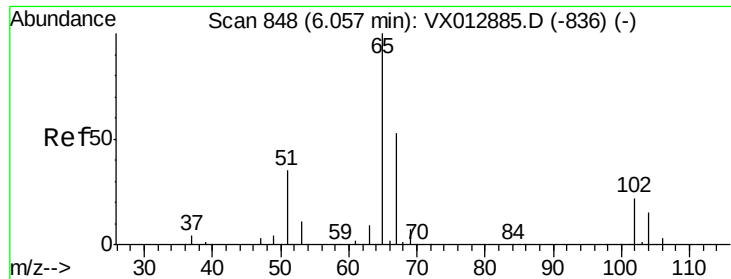
Ion Ratio Lower Upper

97 100

99 64.6 52.3 78.5

61 43.5 35.0 52.4

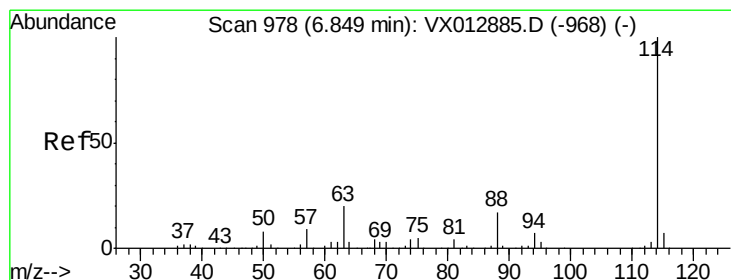
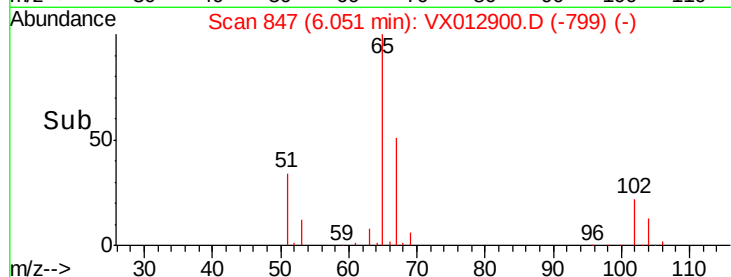
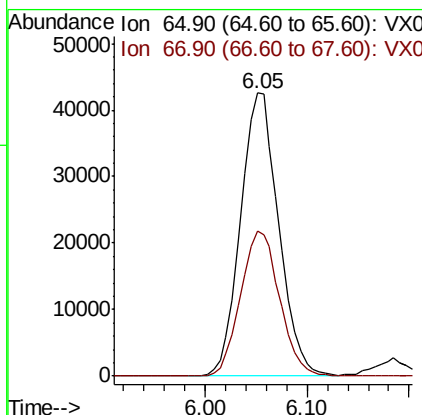
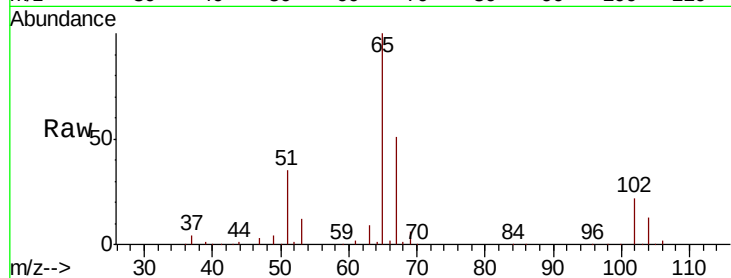




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.078 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.01 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

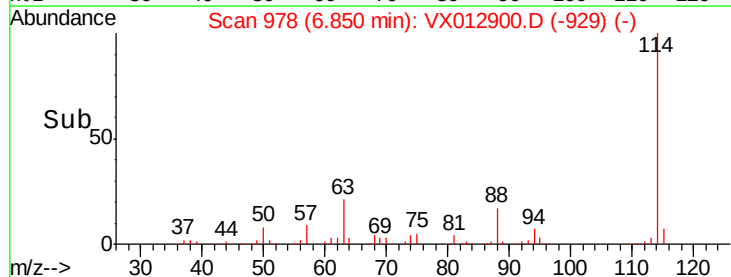
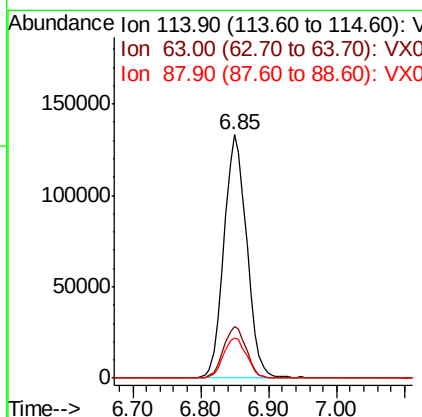
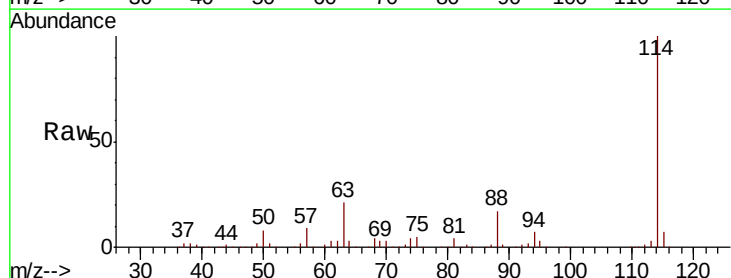
Instrument :  
 MSVOA\_X  
 ClientSampleId :

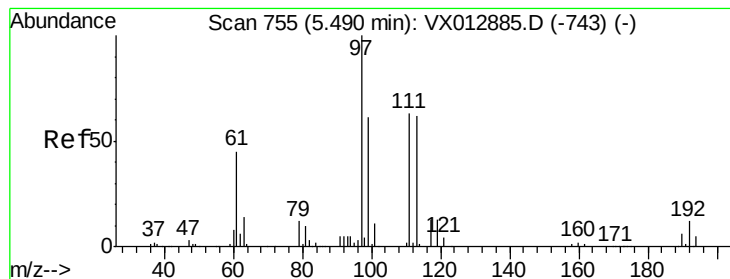
Tot Ion: 65 Resp: 110597  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion: 114 Resp: 310787  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 40.8  
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.936 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampleId :

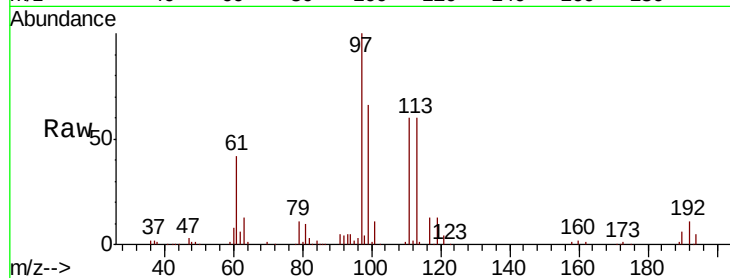
Tot Ion:113 Resp: 87289

Ion Ratio Lower Upper

113 100

111 103.1 83.2 124.8

192 18.5 15.4 23.2

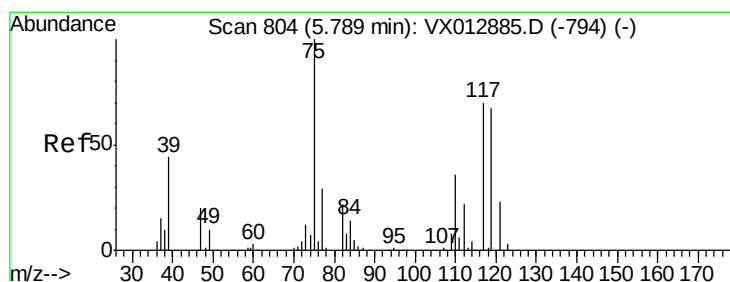
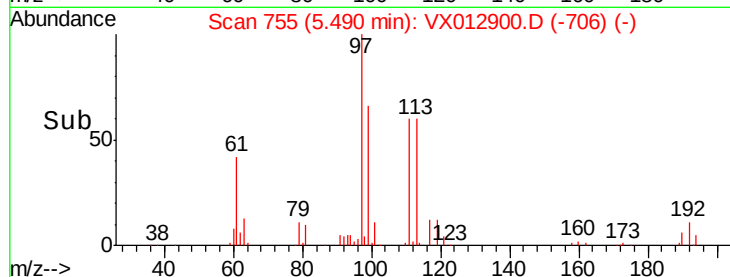
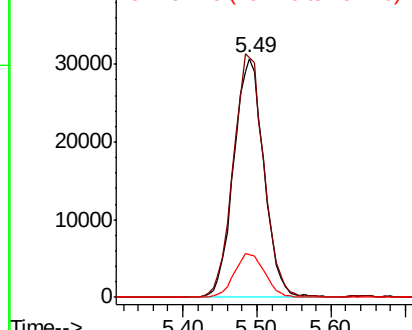


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.507 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

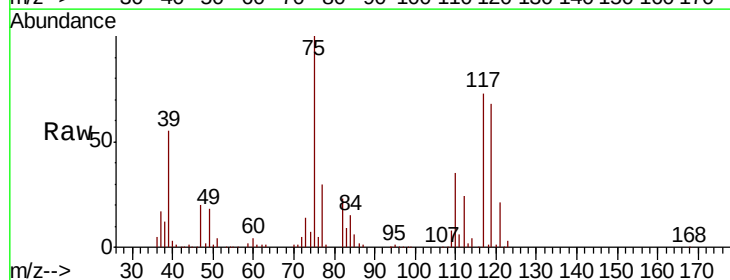
Tgt Ion: 75 Resp: 135275

Ion Ratio Lower Upper

75 100

110 36.4 17.6 52.9

77 31.9 24.4 36.6

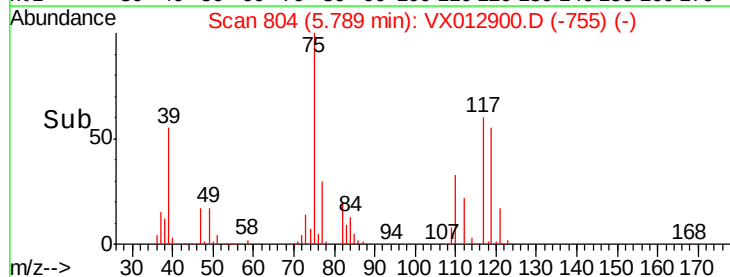
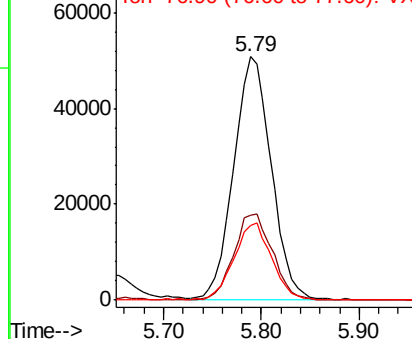


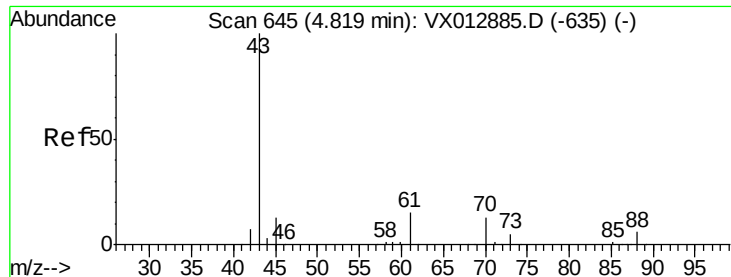
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

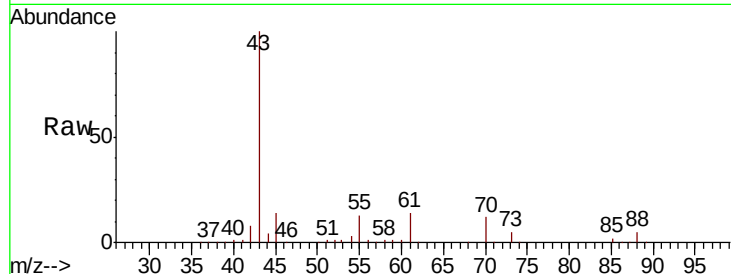




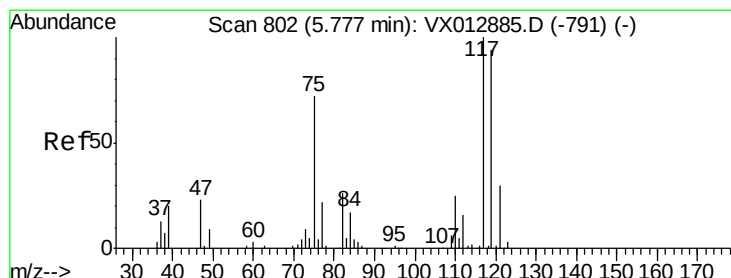
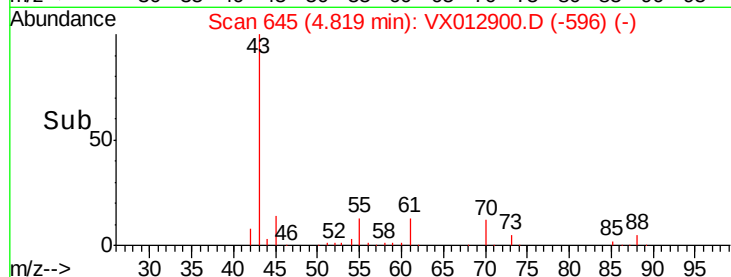
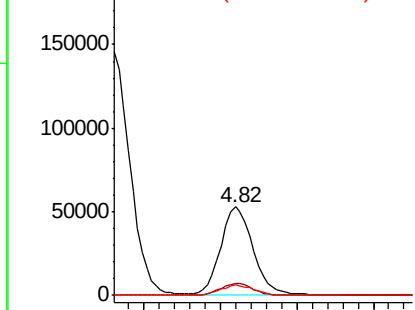
#37  
Ethyl Acetate  
Concen: 50.340 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 153809  
Ion Ratio Lower Upper  
43 100  
61 14.2 11.4 17.0  
70 12.1 9.8 14.6

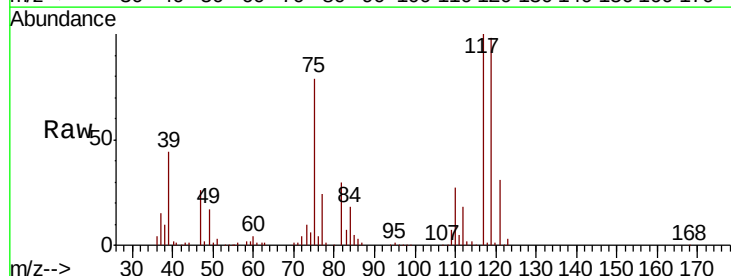


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 70.00 (69.70 to 70.70): VX0

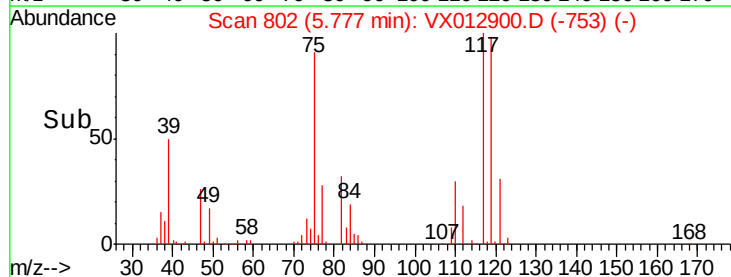
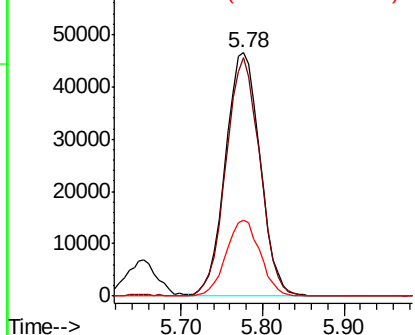


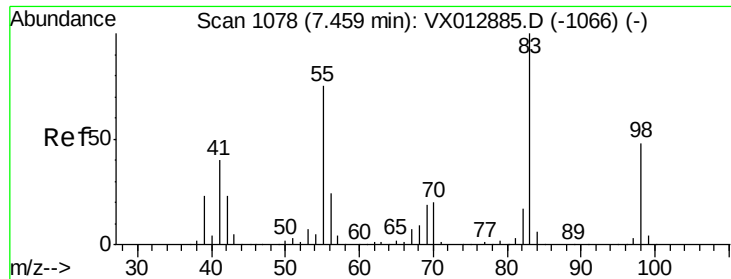
#38  
Carbon Tetrachloride  
Concen: 51.374 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 117 Resp: 136634  
Ion Ratio Lower Upper  
117 100  
119 98.0 74.5 111.7  
121 31.0 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

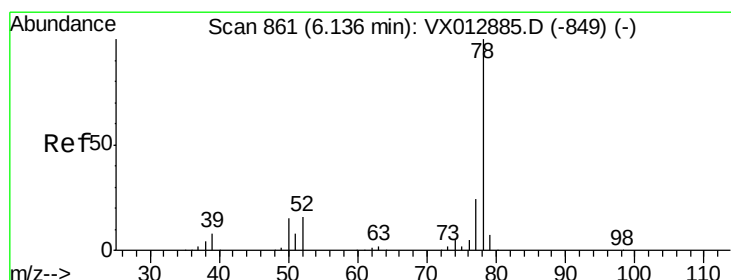
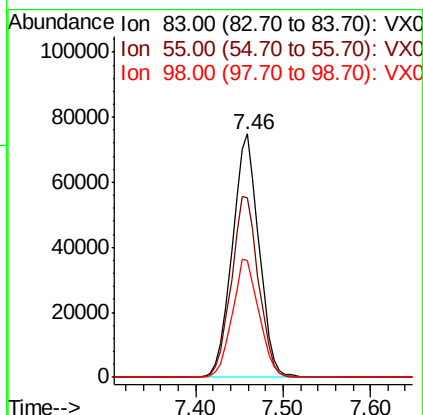
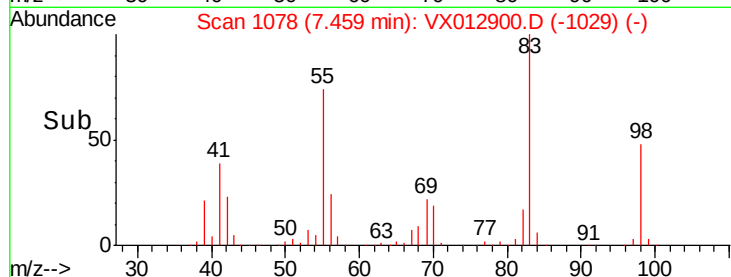
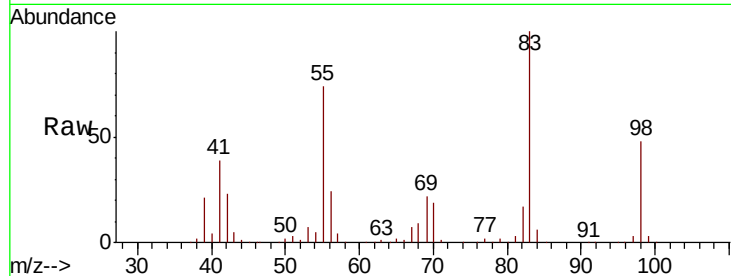




#39  
Methylvlcyclohexane  
Concen: 47.809 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

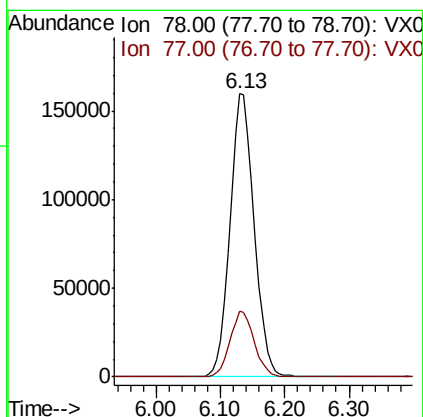
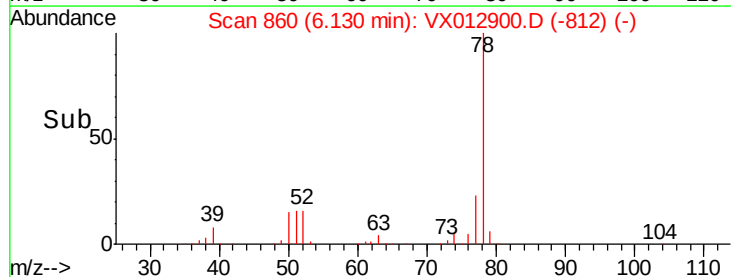
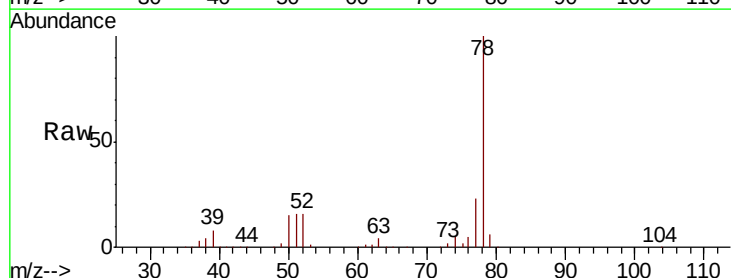
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 83 Resp: 158425  
Ion Ratio Lower Upper  
83 100  
55 73.8 60.2 90.4  
98 47.8 38.5 57.7

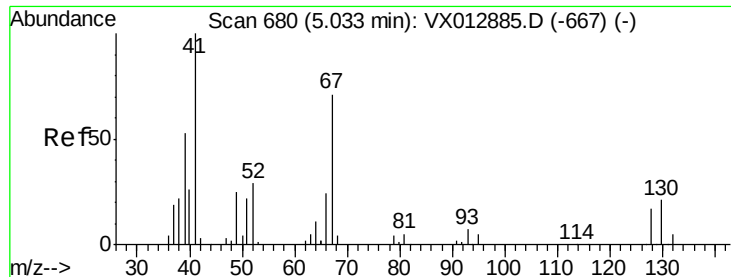


#40  
Benzene  
Concen: 51.947 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 78 Resp: 419230  
Ion Ratio Lower Upper  
78 100  
77 23.2 19.0 28.4







#41

Methacrylonitrile

Concen: 54.307 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 41 Resp: 91176

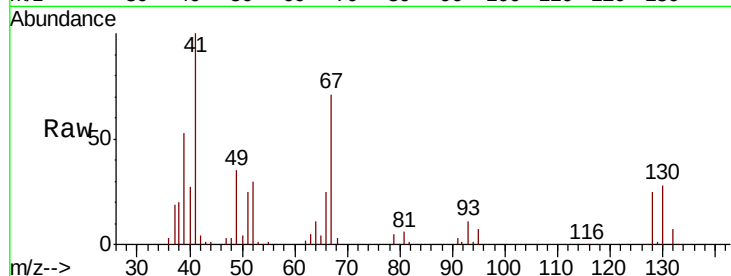
Ion Ratio Lower Upper

41 100

39 52.2 44.0 66.0

67 69.3 58.5 87.7

52 28.1 23.8 35.8

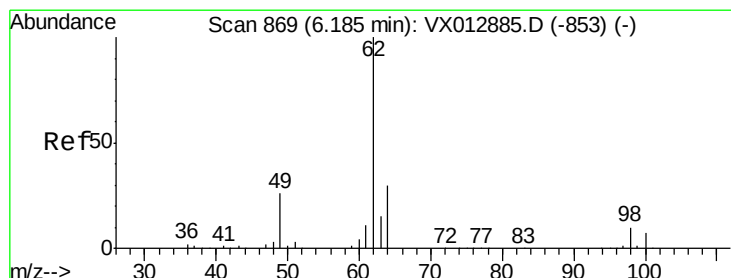
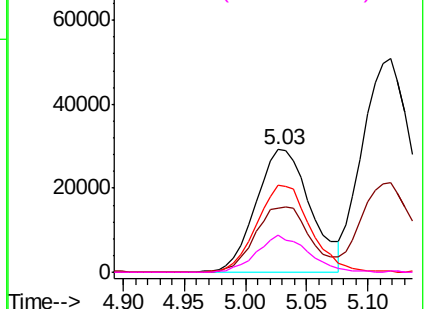
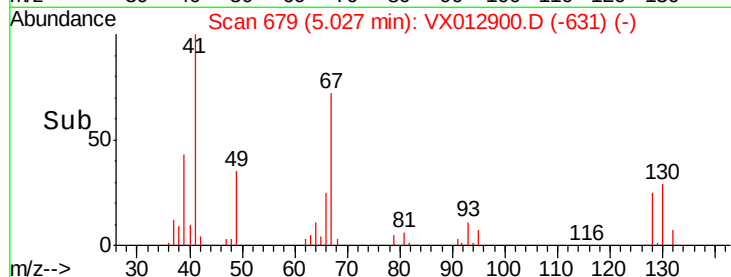


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.599 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012900.D

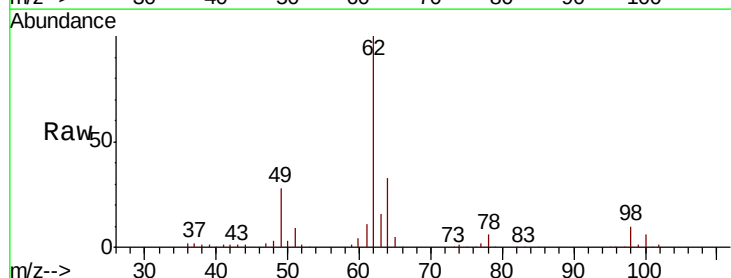
Acq: 08 Oct 2019 19:23

Tgt Ion: 62 Resp: 149423

Ion Ratio Lower Upper

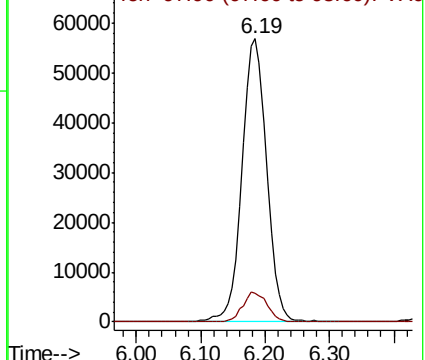
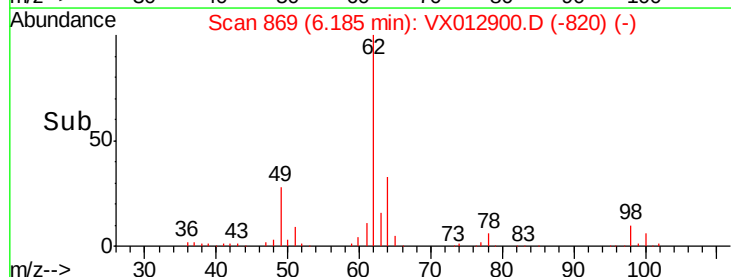
62 100

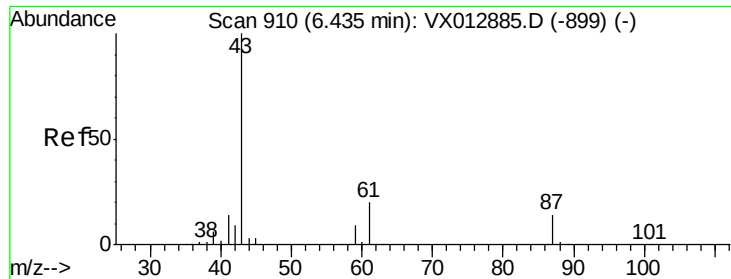
98 10.2 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.304 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampleId :

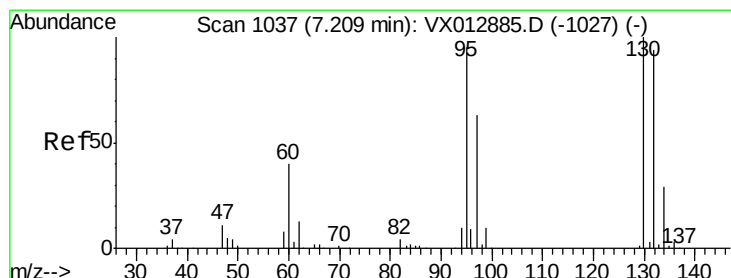
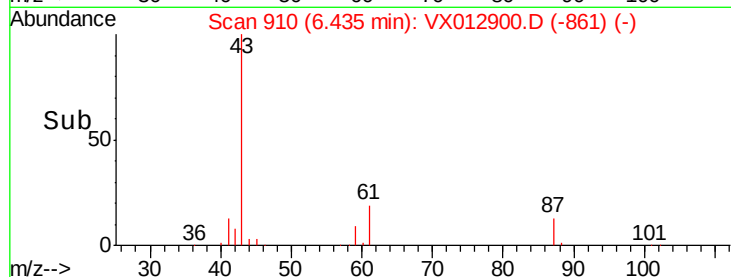
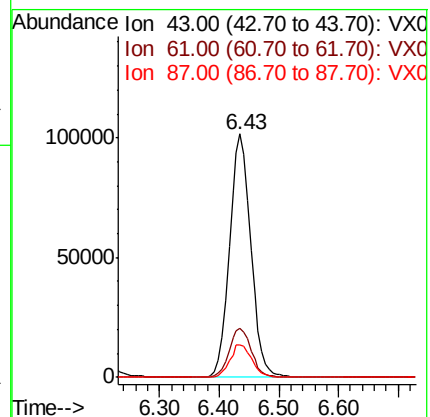
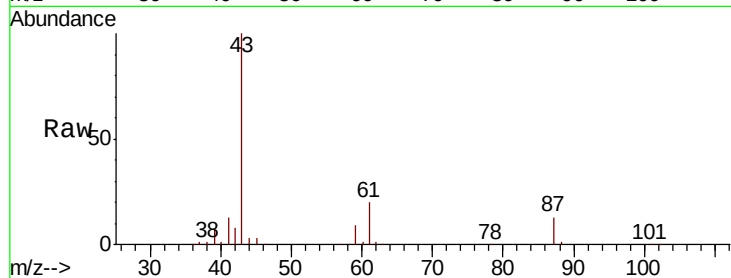
Tot Ion: 43 Resp: 251597

Ion Ratio Lower Upper

43 100

61 20.9 16.6 24.8

87 13.7 11.0 16.6



#44

Trichloroethene

Concen: 47.995 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012900.D

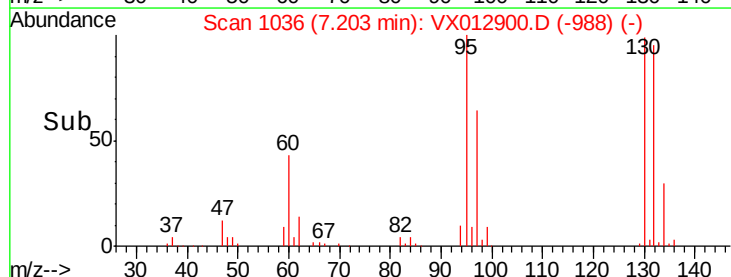
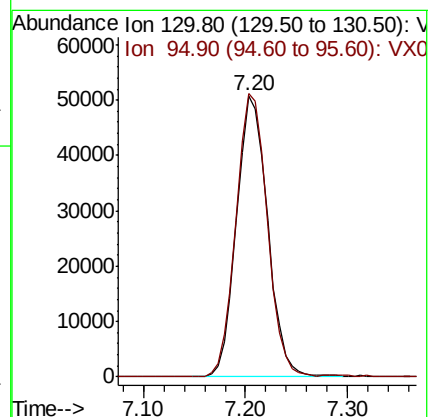
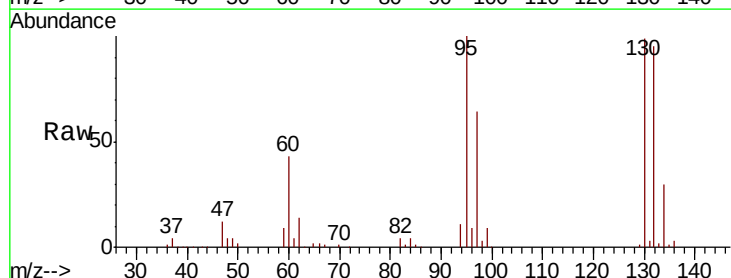
Acq: 08 Oct 2019 19:23

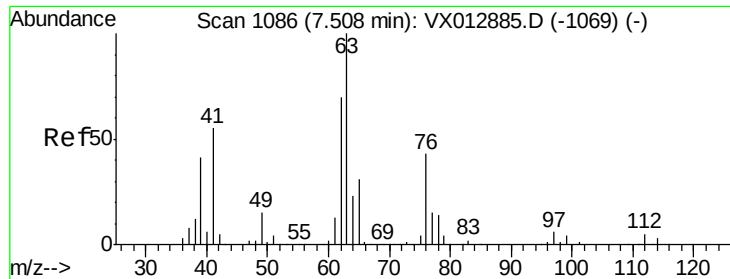
Tgt Ion:130 Resp: 107410

Ion Ratio Lower Upper

130 100

95 100.7 0.0 189.2

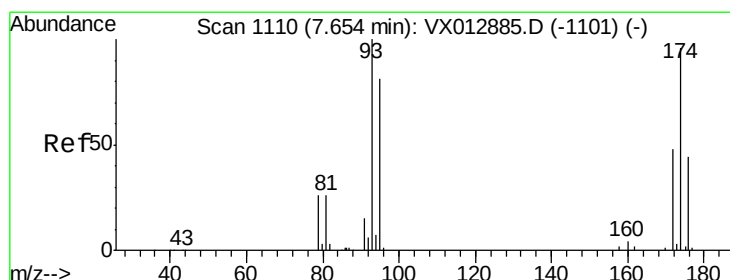
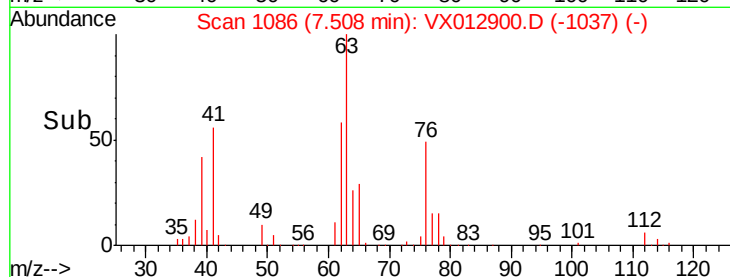
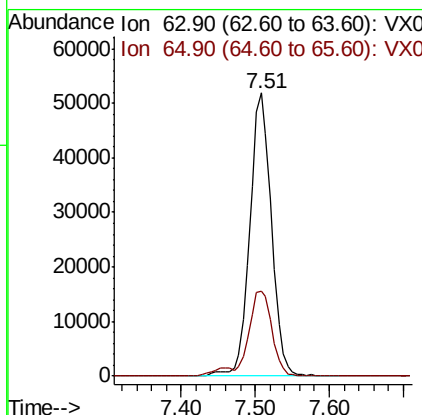
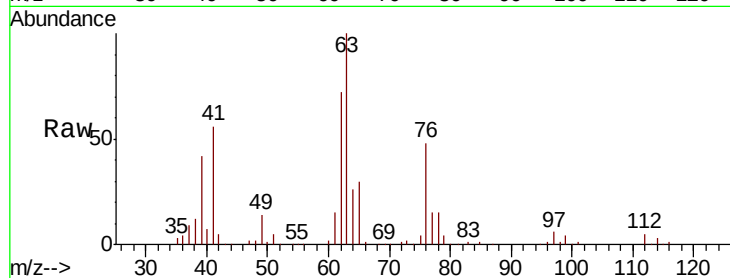




#45  
 1,2-Dichloropropane  
 Concen: 51.437 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

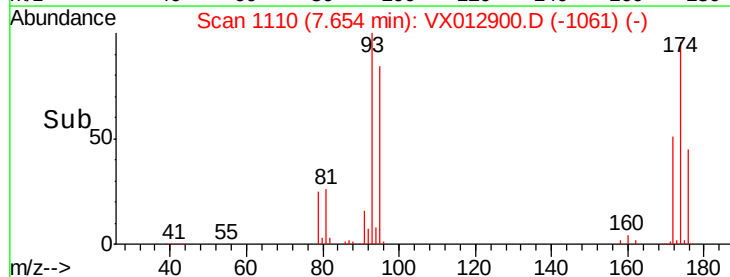
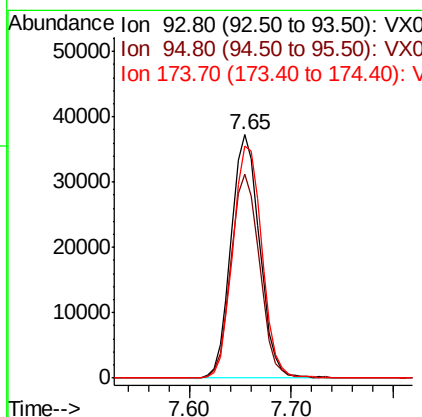
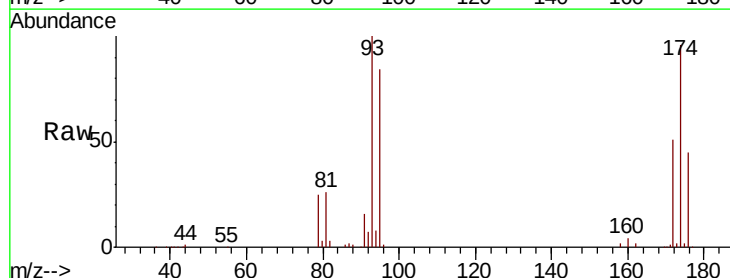
Instrument :  
 MSVOA\_X  
 ClientSampled :

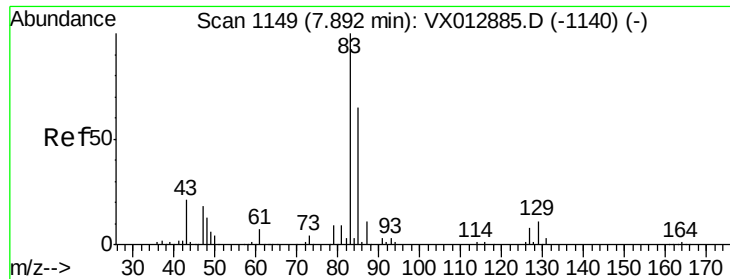
Tot Ion: 63 Resp: 105799  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 24.6 37.0



#46  
 Dibromomethane  
 Concen: 52.669 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion: 93 Resp: 72178  
 Ion Ratio Lower Upper  
 93 100  
 95 83.8 66.3 99.5  
 174 97.3 77.8 116.6





#47

Bromodichloromethane

Concen: 52.942 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampled :

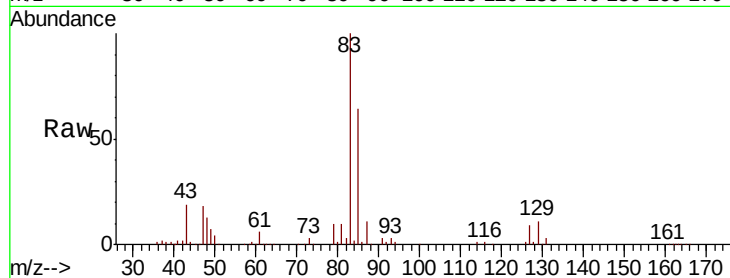
Tot Ion: 83 Resp: 141586

Ion Ratio Lower Upper

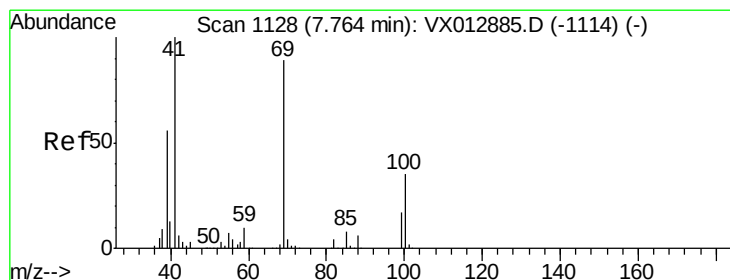
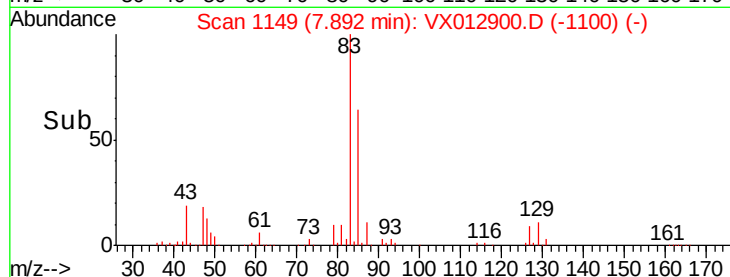
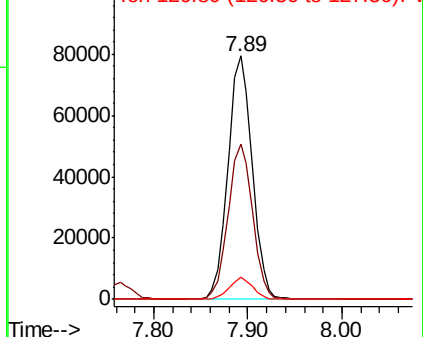
83 100

85 63.8 52.4 78.6

127 9.0 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.302 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

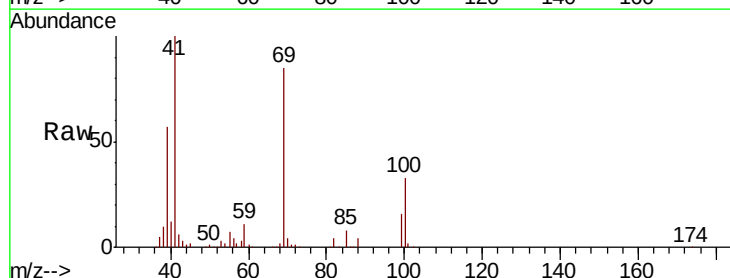
Tgt Ion: 41 Resp: 124990

Ion Ratio Lower Upper

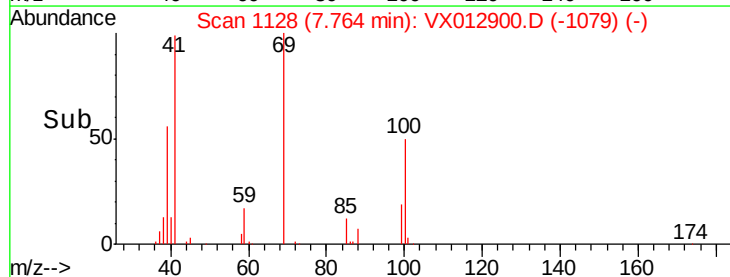
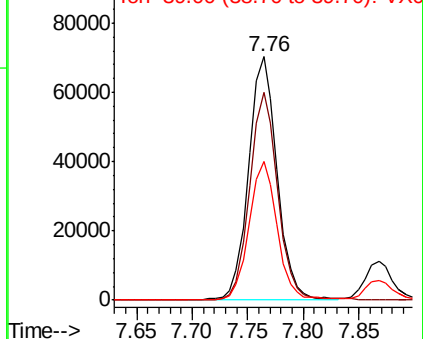
41 100

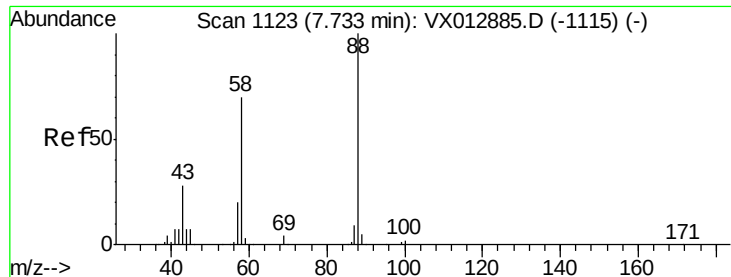
69 84.6 68.7 103.1

39 56.3 44.3 66.5



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





#49

1,4-Dioxane

Concen: 901.414 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

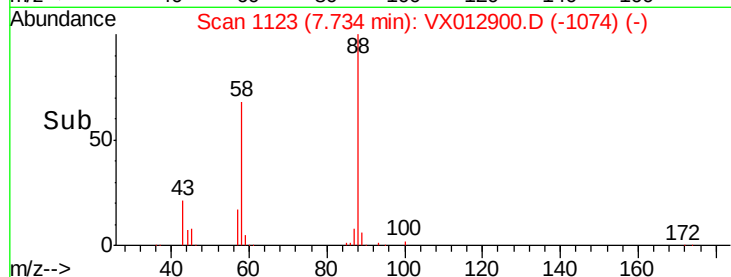
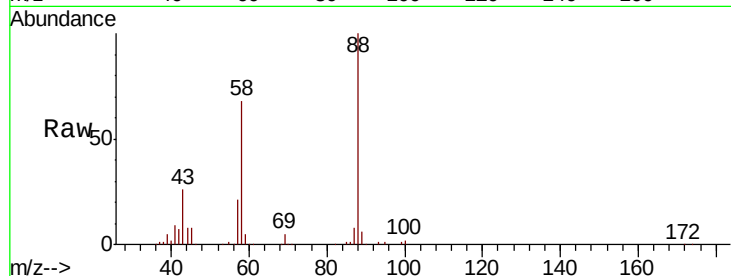
Instrument :

MSVOA\_X

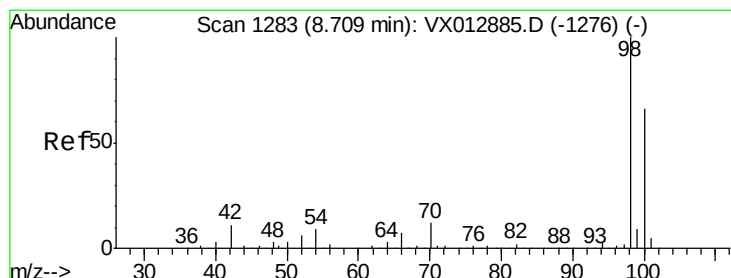
ClientSampleId :

Tot Ion: 88 Resp: 57579

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 29.2  | 25.0  | 37.6  |
| 58  | 70.0  | 55.4  | 83.2  |



Time-->



#50

Toluene-d8

Concen: 47.437 ug/l

RT: 8.71 min Scan# 1283

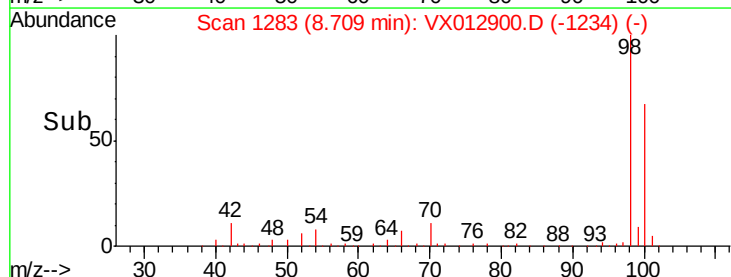
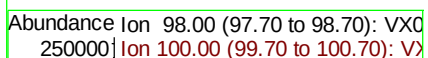
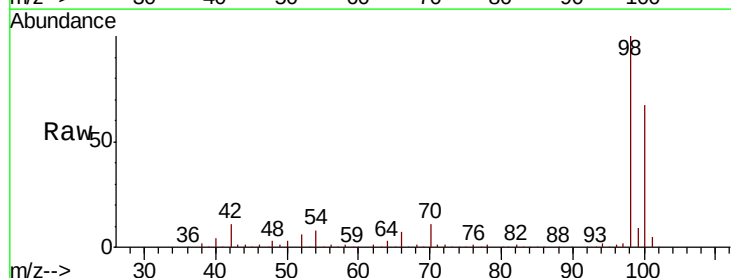
Delta R.T. 0.00 min

Lab File: VX012900.D

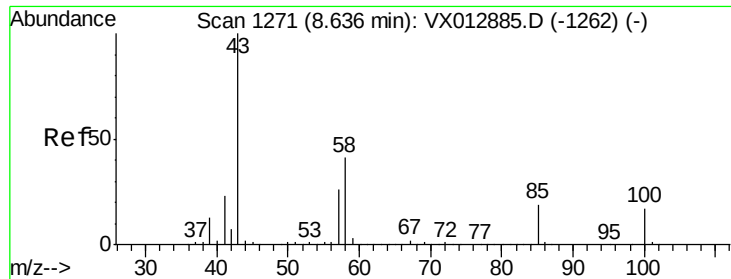
Acq: 08 Oct 2019 19:23

Tgt Ion: 98 Resp: 330023

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 67.2  | 53.4  | 80.2  |



Time-->



#51

4-Methyl-2-Pentanone

Concen: 263.851 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

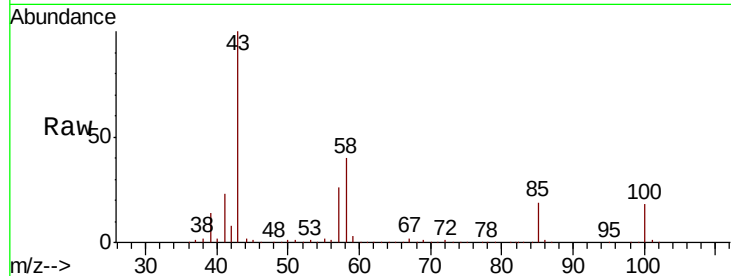
ClientSampled :

Tot Ion: 43 Resp: 806738

Ion Ratio Lower Upper

43 100

58 40.4 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

500000

400000

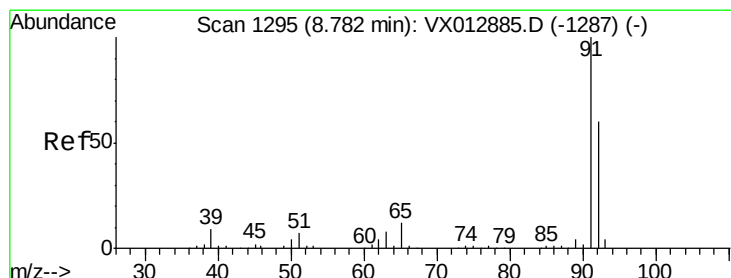
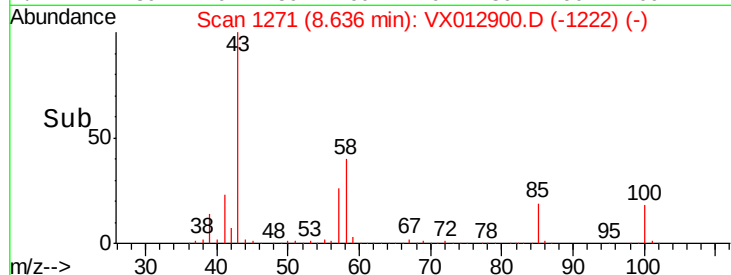
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.484 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012900.D

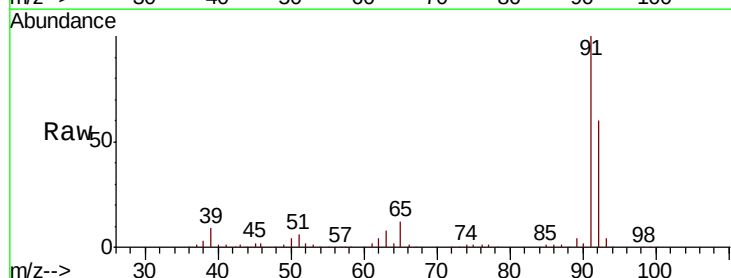
Acq: 08 Oct 2019 19:23

Tgt Ion: 92 Resp: 265815

Ion Ratio Lower Upper

92 100

91 167.3 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

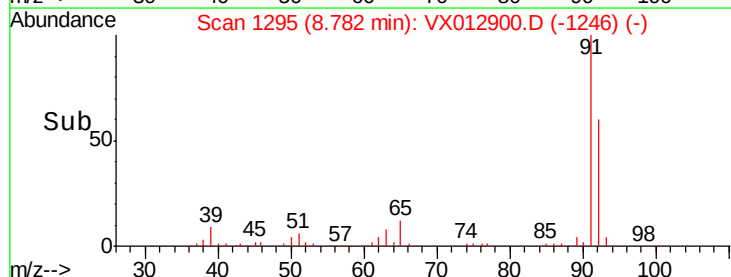
150000

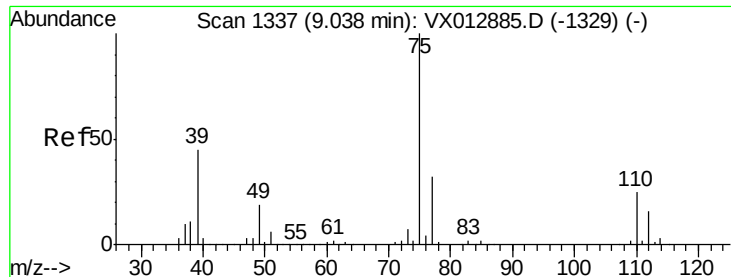
100000

50000

0

Time-->

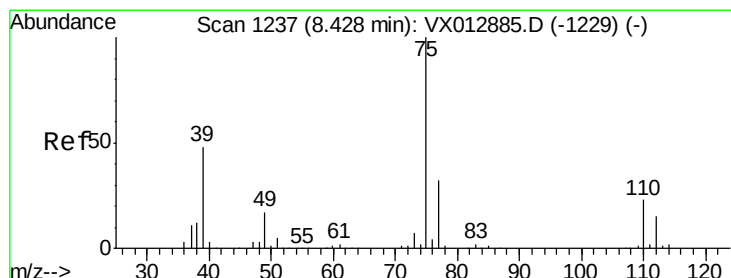
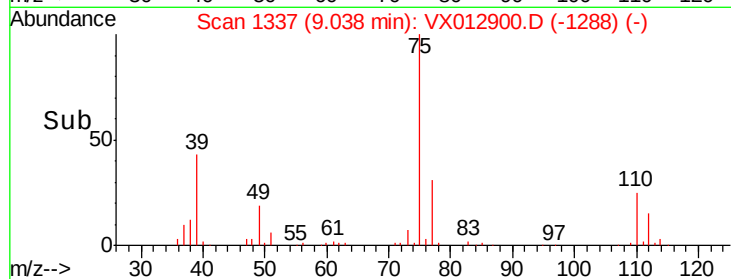
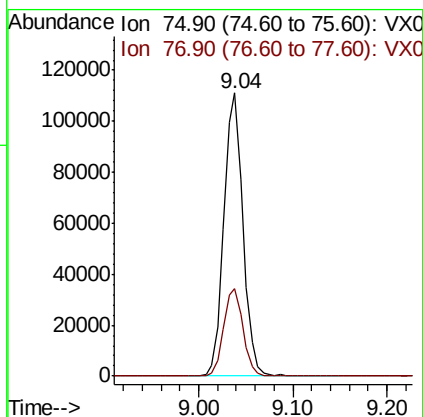
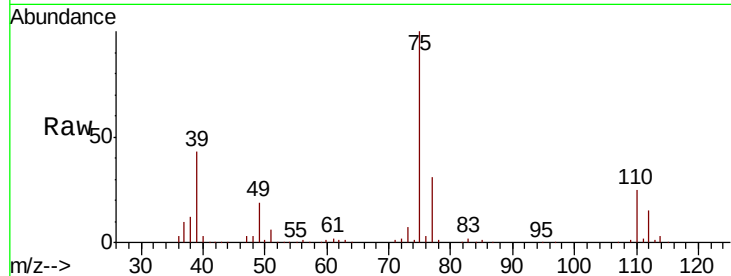




#53  
 t-1,3-Dichloropropene  
 Concen: 46.898 ug/l  
 RT: 9.04 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

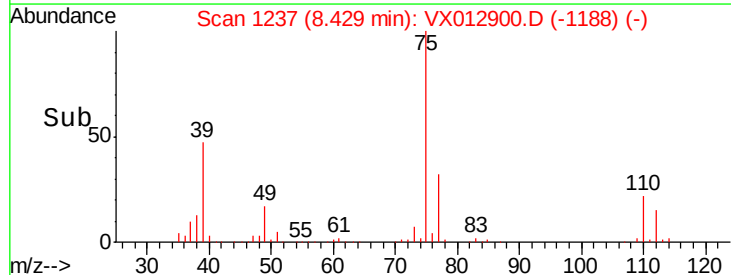
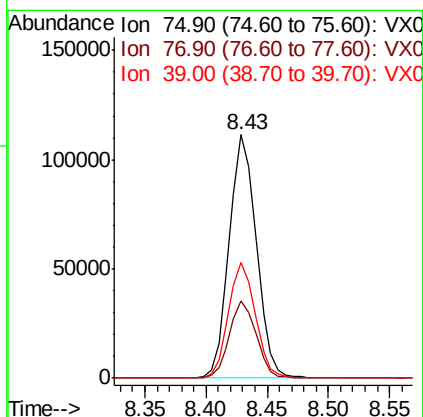
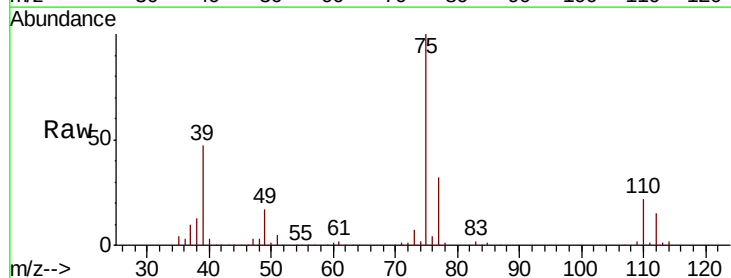
Instrument :  
 MSVOA\_X  
 ClientSampleId :

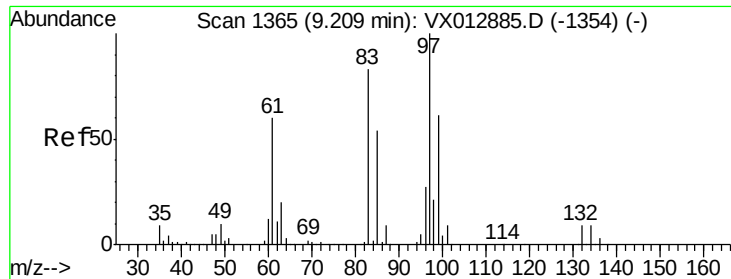
Tot Ion: 75 Resp: 156052  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.8 38.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.059 ug/l  
 RT: 8.43 min Scan# 1237  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion: 75 Resp: 171233  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.8 38.8  
 39 47.2 38.2 57.2

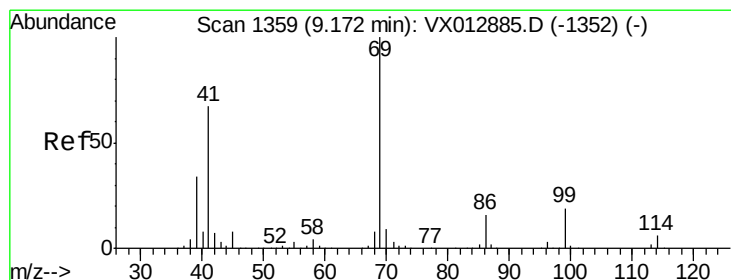
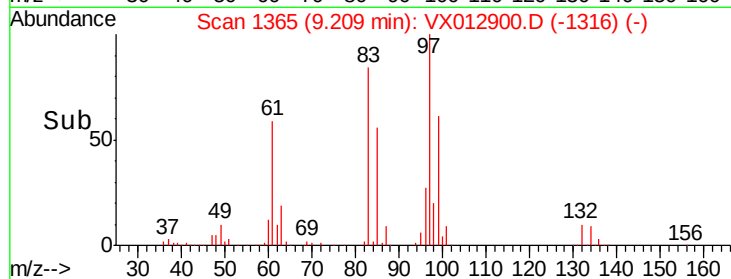
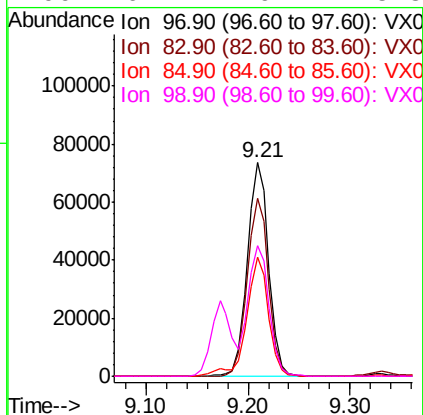
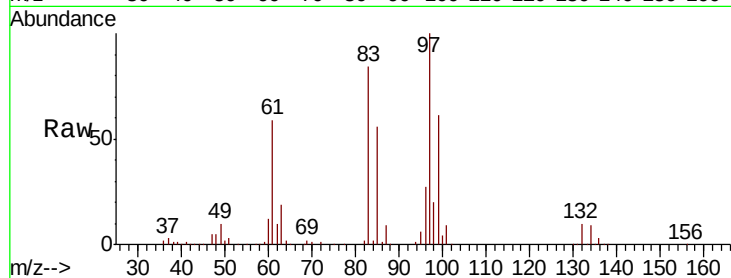




#55  
 1,1,2-Trichloroethane  
 Concen: 52.304 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

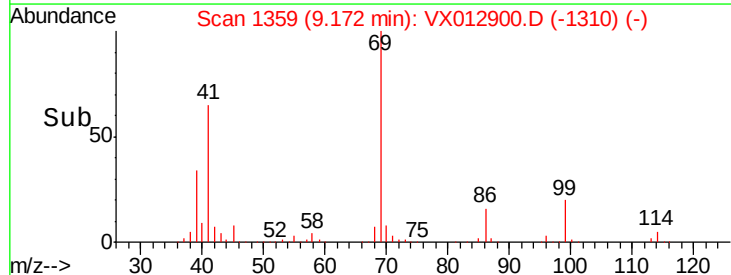
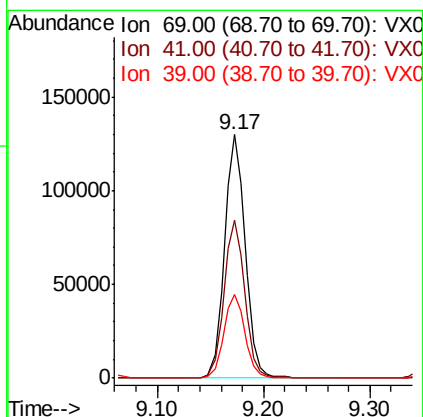
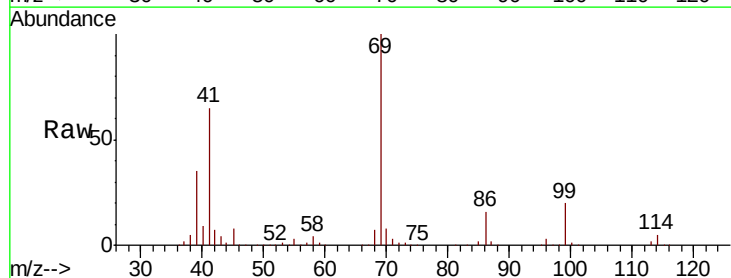
Instrument :  
 MSVOA\_X  
 ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 106871 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.6  | 66.5  | 99.7   |
| 85       | 55.7  | 43.1  | 64.7   |
| 99       | 61.4  | 49.2  | 73.8   |

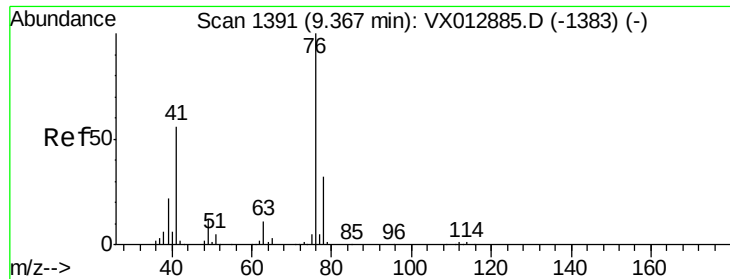


#56  
 Ethyl methacrylate  
 Concen: 48.445 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 177035 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.1  | 52.1  | 78.1   |
| 39       | 34.8  | 27.8  | 41.8   |



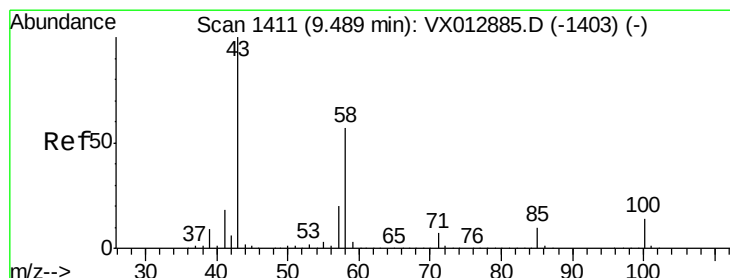
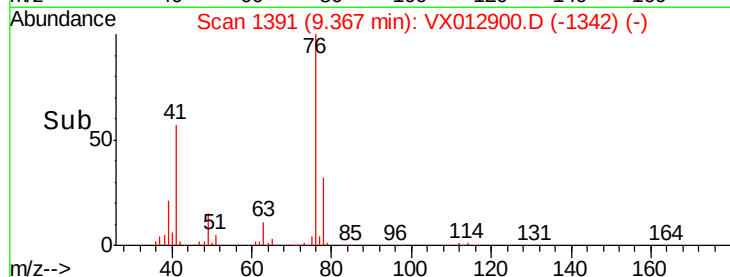
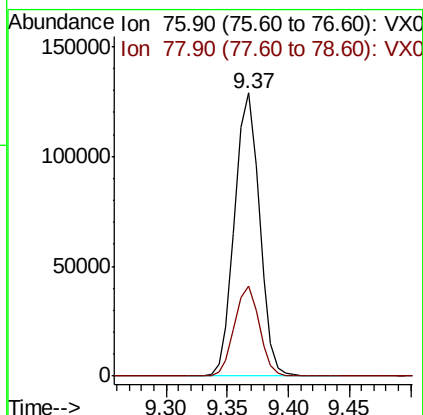
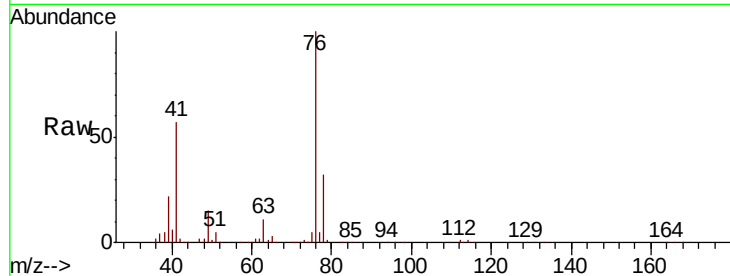




#57  
 1,3-Dichloropropane  
 Concen: 51.522 ug/l  
 RT: 9.37 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

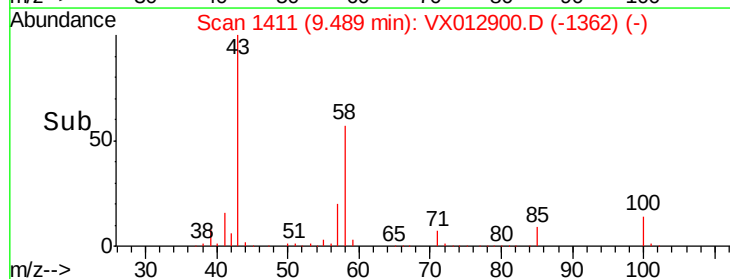
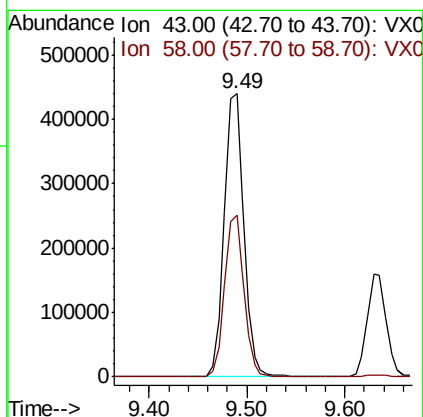
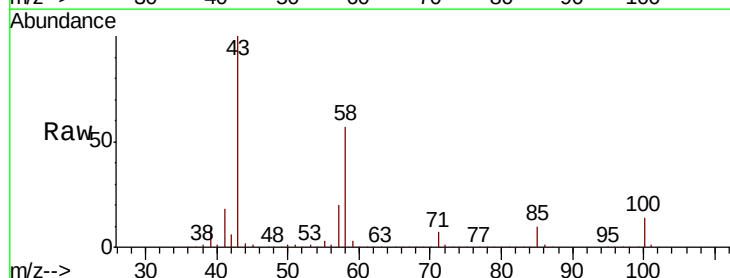
Instrument :  
 MSVOA\_X  
 ClientSampled :

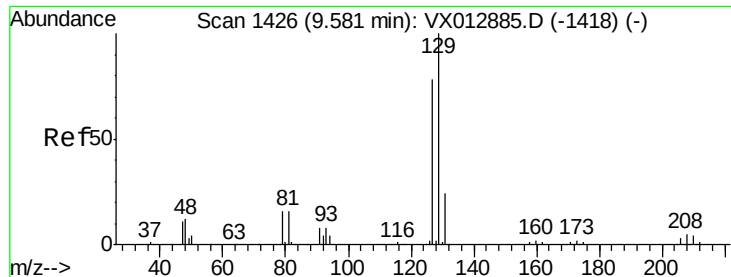
Tot Ion: 76 Resp: 182102  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 26.1 39.1



#59  
 2-Hexanone  
 Concen: 259.023 ug/l  
 RT: 9.49 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion: 43 Resp: 616502  
 Ion Ratio Lower Upper  
 43 100  
 58 56.6 28.1 84.3





#60

Dibromochloromethane

Concen: 47.610 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

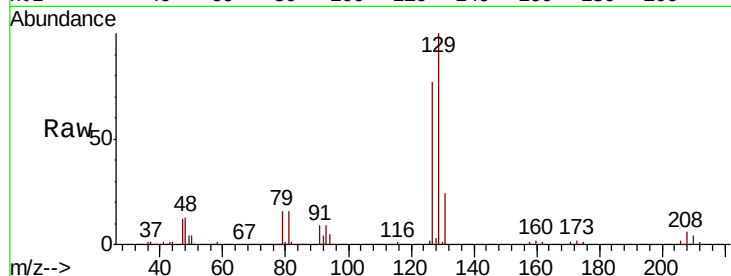
ClientSampleId :

Tot Ion:129 Resp: 108045

Ion Ratio Lower Upper

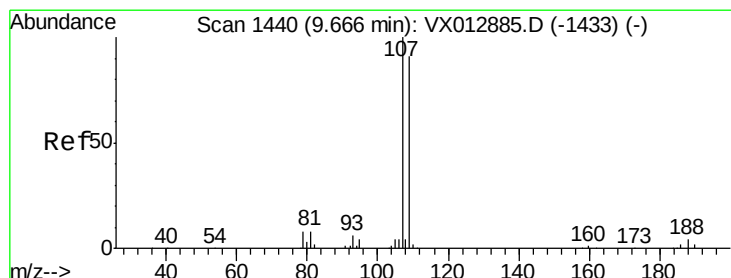
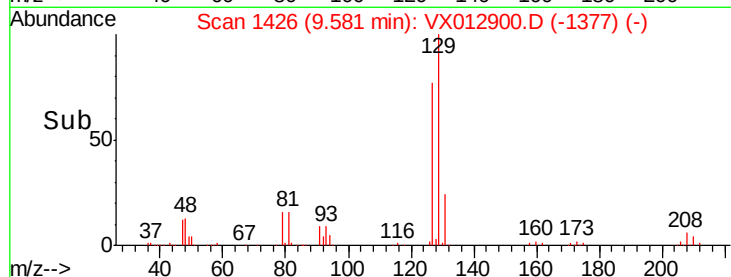
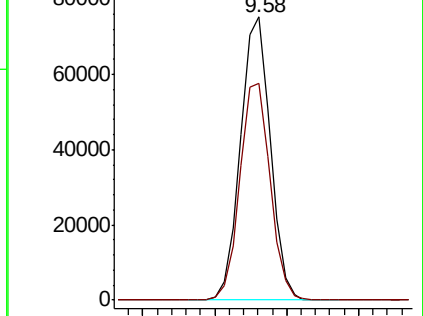
129 100

127 77.9 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.652 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012900.D

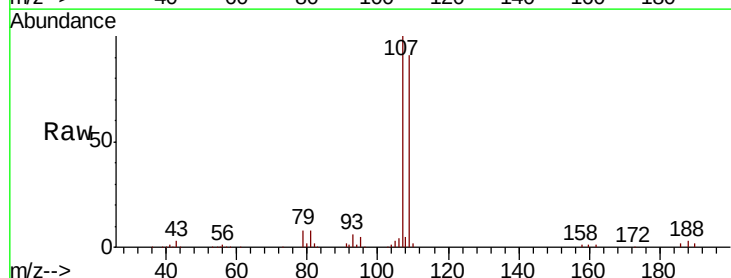
Acq: 08 Oct 2019 19:23

Tgt Ion:107 Resp: 113169

Ion Ratio Lower Upper

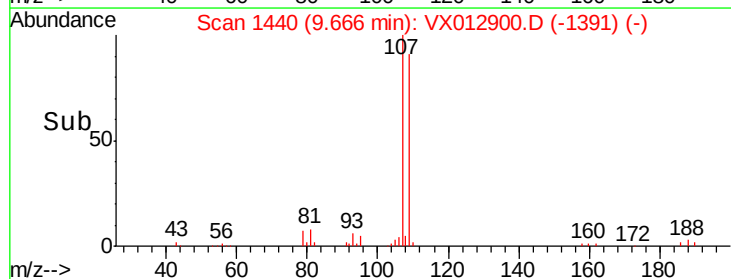
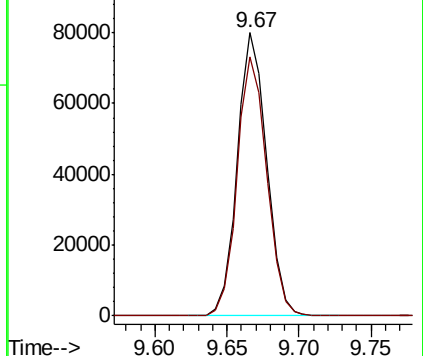
107 100

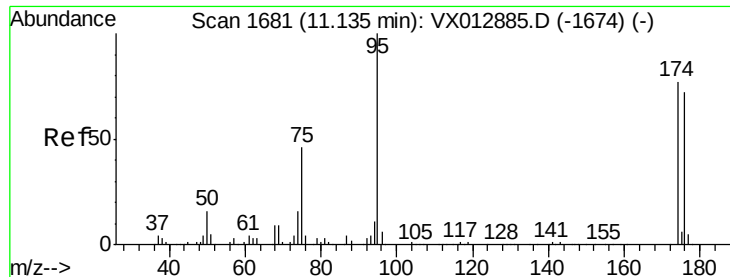
109 92.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

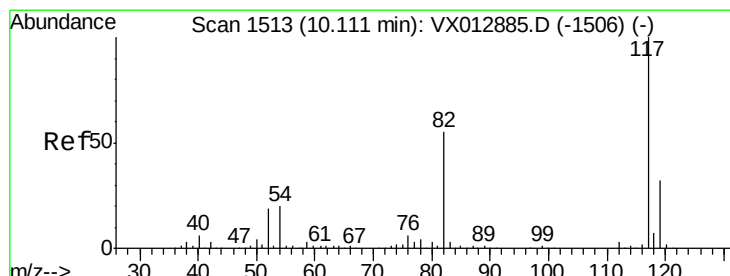
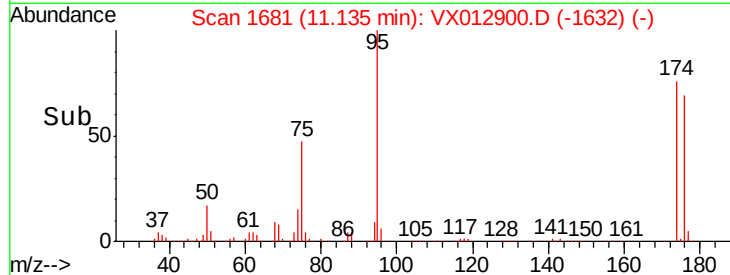
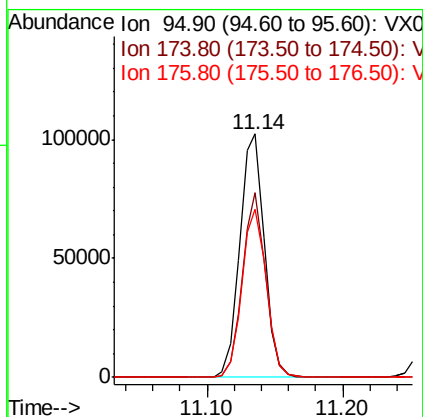
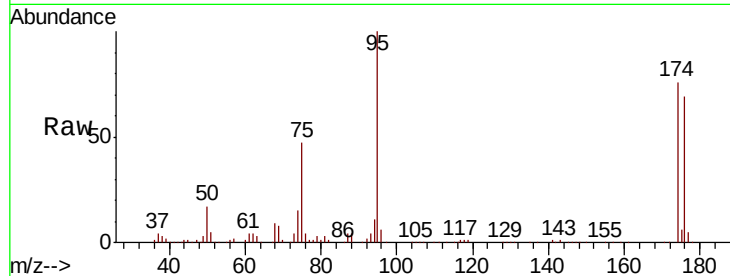




#62  
4-Bromofluorobenzene  
Concen: 47.331 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

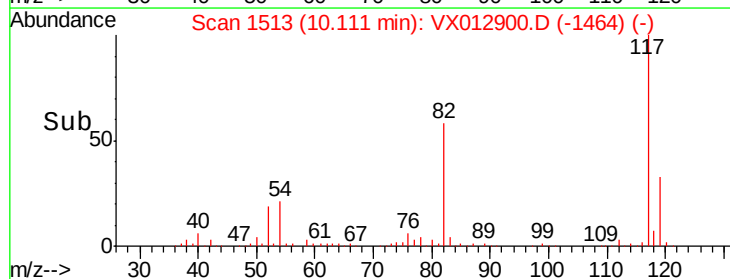
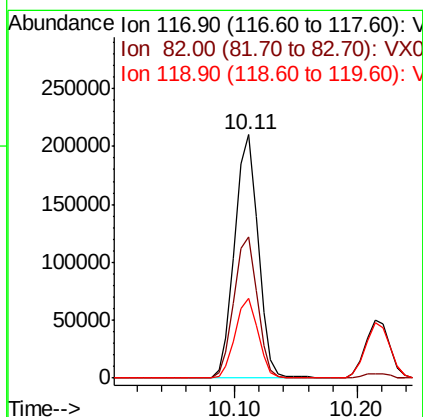
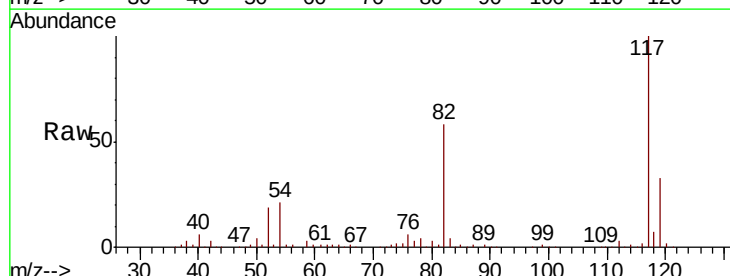
Instrument :  
MSVOA\_X  
ClientSampled :

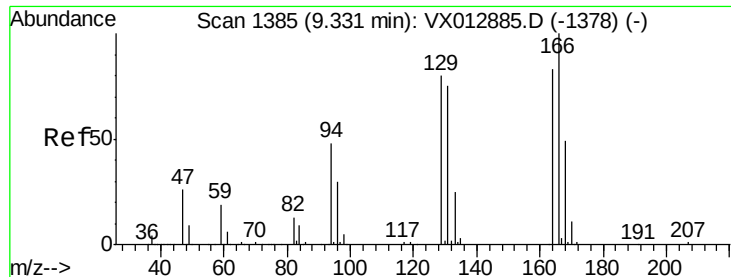
Tot Ion: 95 Resp: 127946  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 143.4  
176 69.5 0.0 136.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 117 Resp: 279621  
Ion Ratio Lower Upper  
117 100  
82 58.0 44.1 66.1  
119 33.0 25.8 38.8

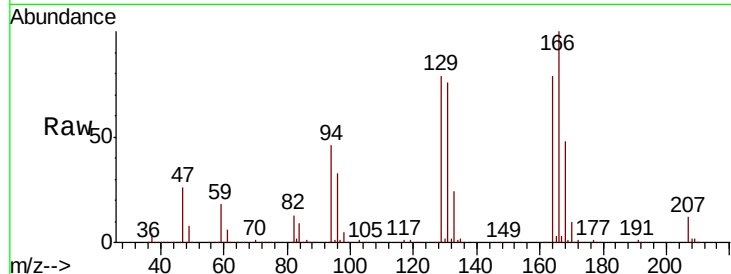




#64  
Tetrachloroethene  
Concen: 46.579 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.6 | 96.9  | 145.3 |
| 129     | 100.4 | 77.9  | 116.9 |
| 131     | 95.6  | 72.7  | 109.1 |



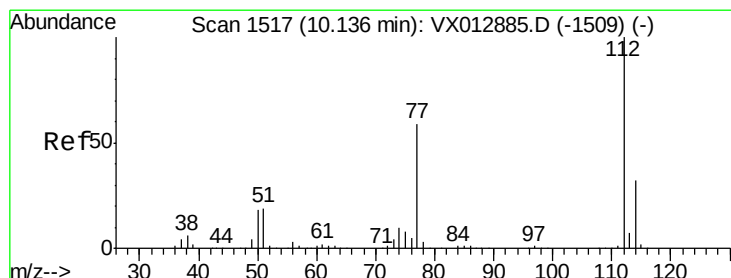
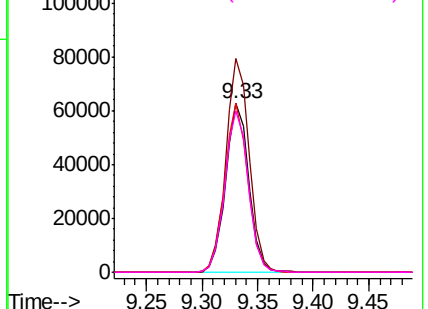
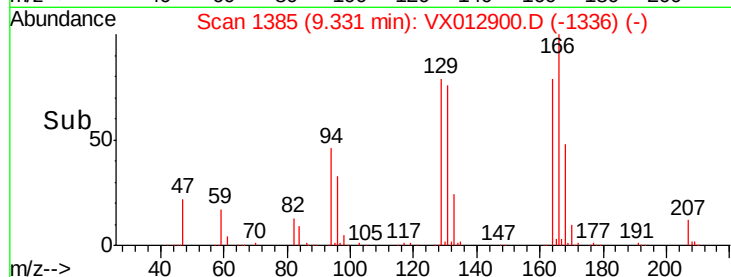
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

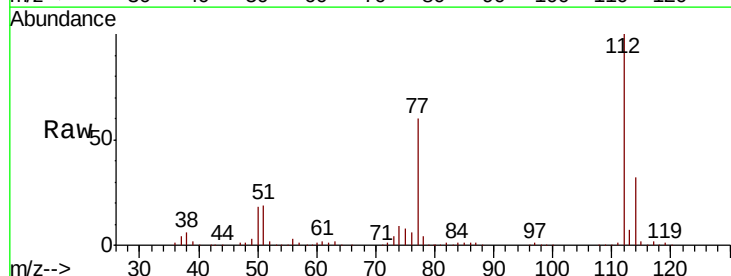
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65  
Chlorobenzene  
Concen: 49.778 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

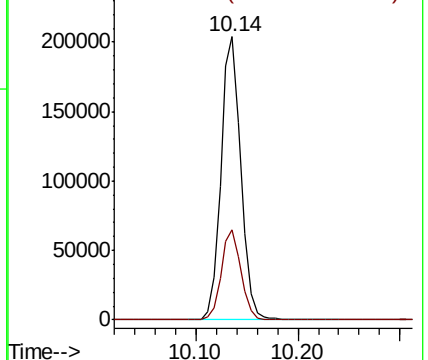
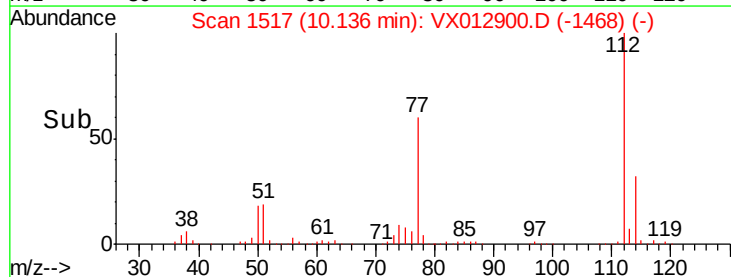
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.0  | 25.7  | 38.5  |

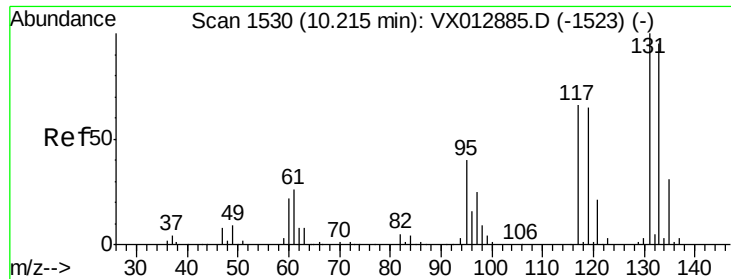


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

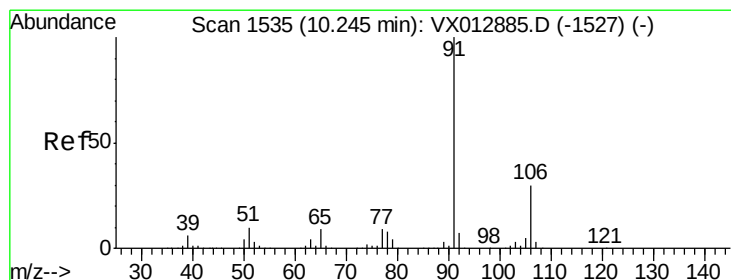
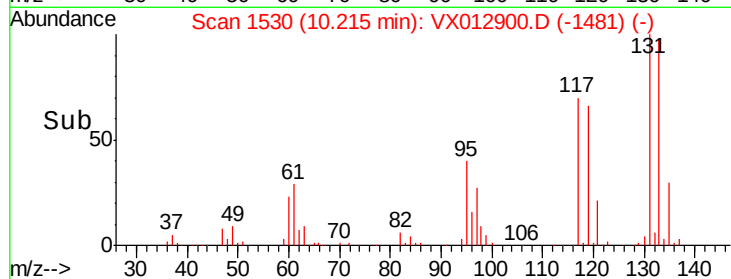
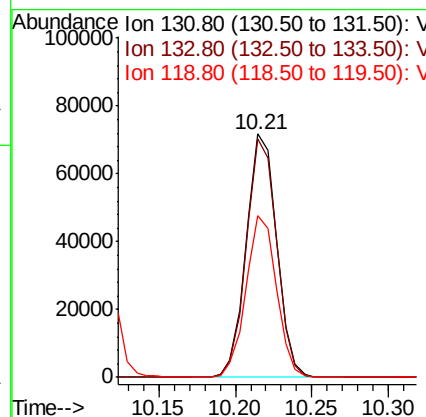
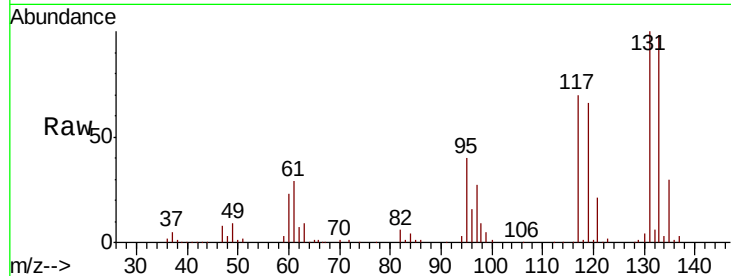




#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 51.706 ug/l  
 RT: 10.21 min Scan# 1530  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

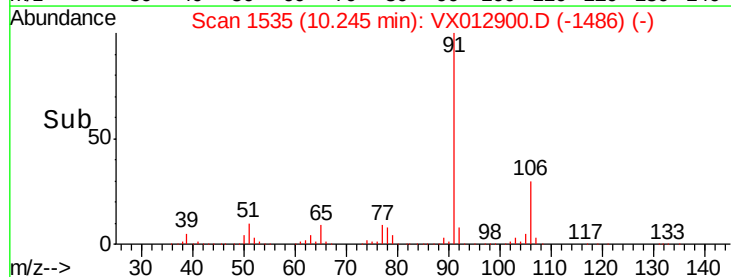
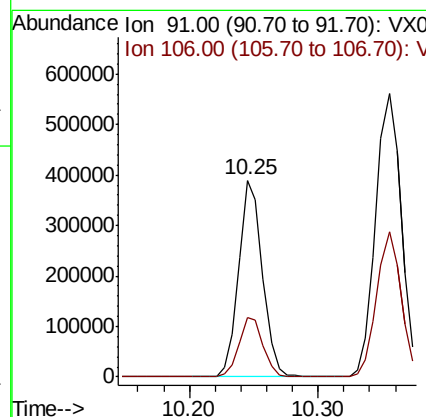
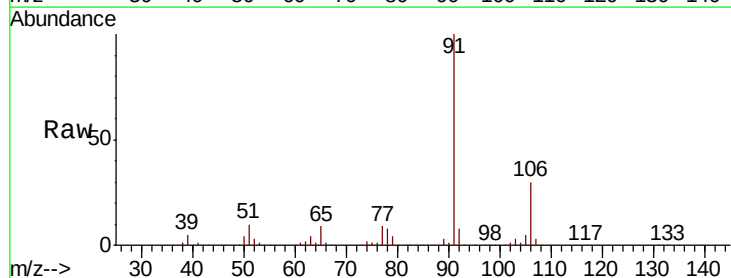
Instrument :  
 MSVOA\_X  
 ClientSampleId :

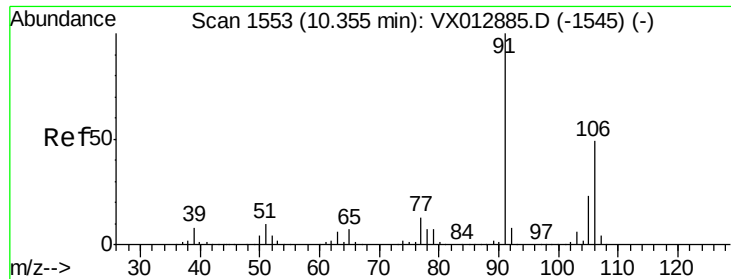
Tot Ion:131 Resp: 99549  
 Ion Ratio Lower Upper  
 131 100  
 133 97.4 47.2 141.6  
 119 66.5 32.6 98.0



#67  
 Ethyl Benzene  
 Concen: 50.842 ug/l  
 RT: 10.25 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion: 91 Resp: 501476  
 Ion Ratio Lower Upper  
 91 100  
 106 30.0 23.9 35.9

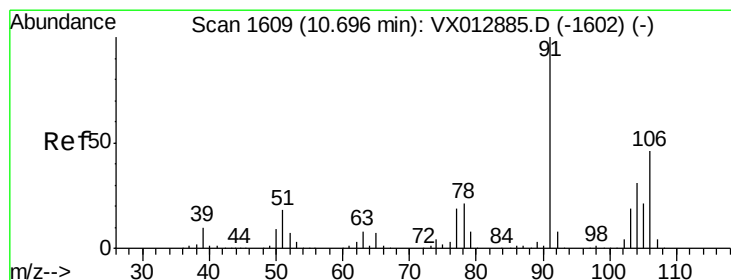
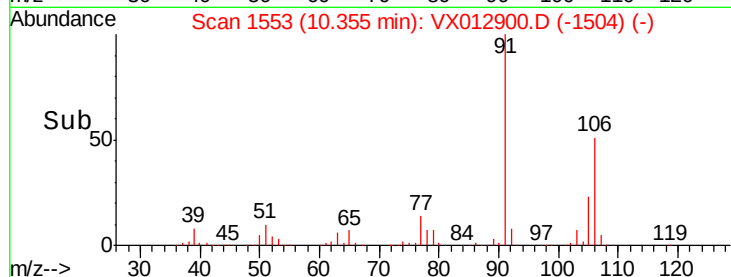
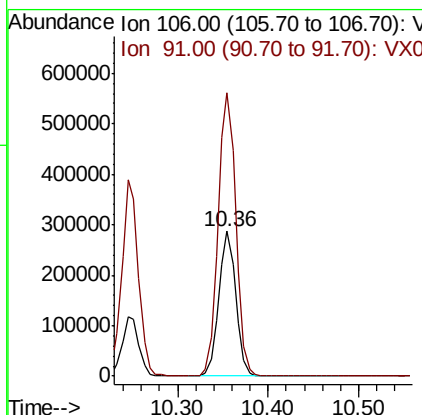
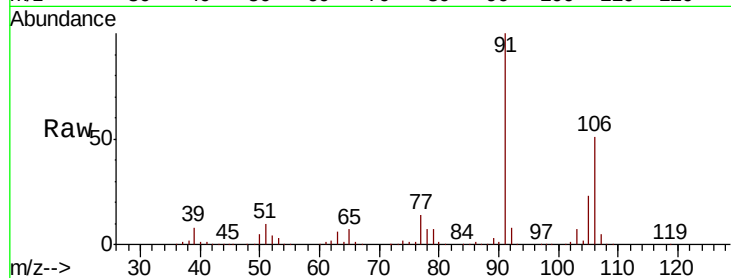




#68  
m/p-Xylenes  
Concen: 102.486 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

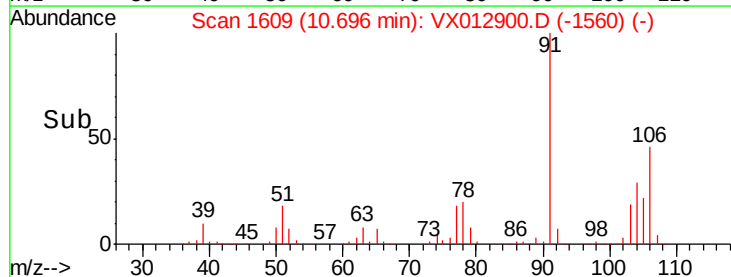
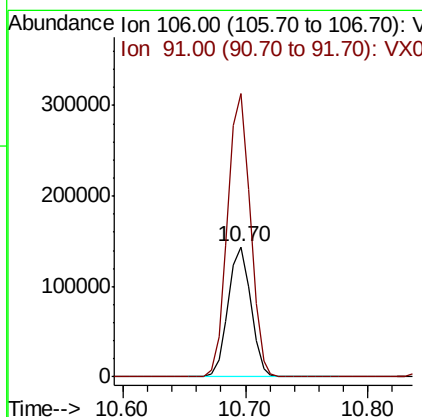
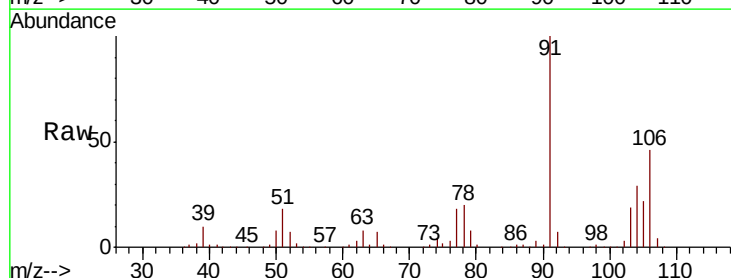
Instrument :  
MSVOA\_X  
ClientSampled :

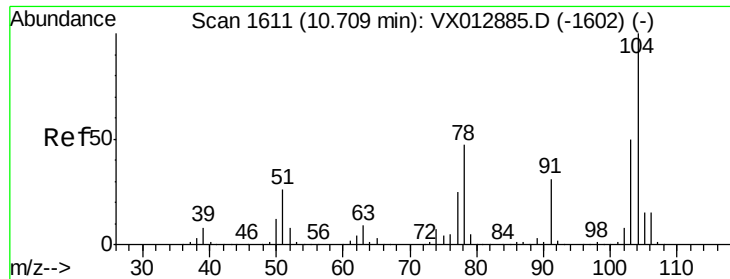
Tot Ion:106 Resp: 377641  
Ion Ratio Lower Upper  
106 100  
91 203.2 165.3 247.9



#69  
o-Xylene  
Concen: 51.248 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion:106 Resp: 184151  
Ion Ratio Lower Upper  
106 100  
91 218.7 109.1 327.3

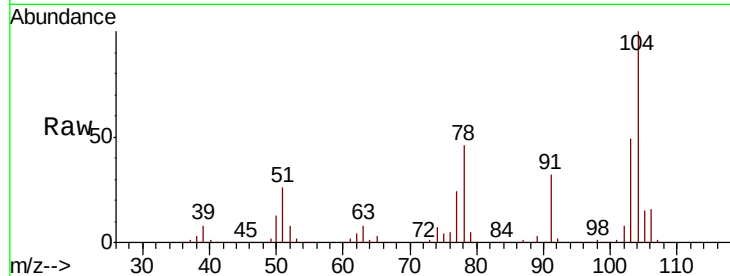




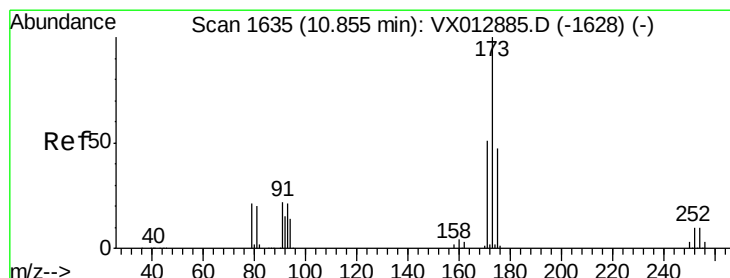
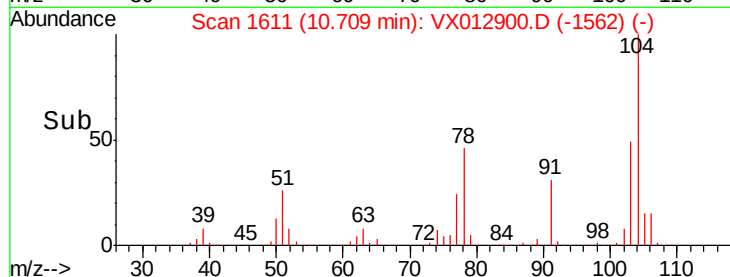
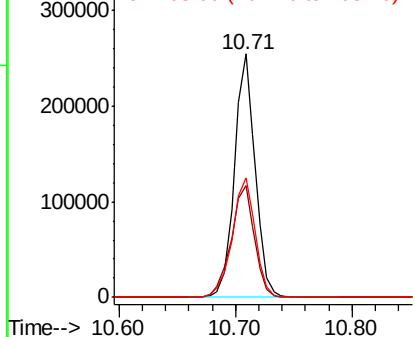
#70  
Stvrene  
Concen: 51.578 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:104 Resp: 315077  
Ion Ratio Lower Upper  
104 100  
78 51.9 41.2 61.8  
103 54.3 43.0 64.4

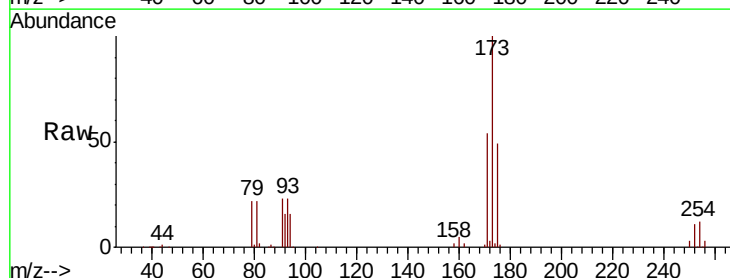


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V

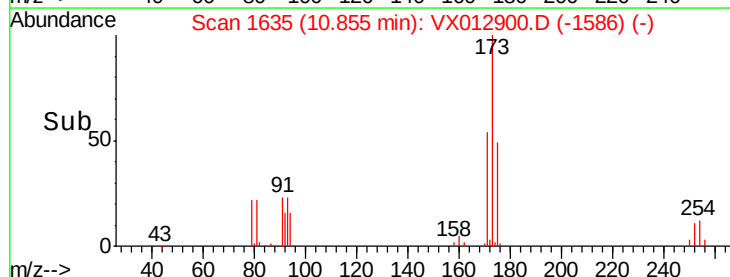
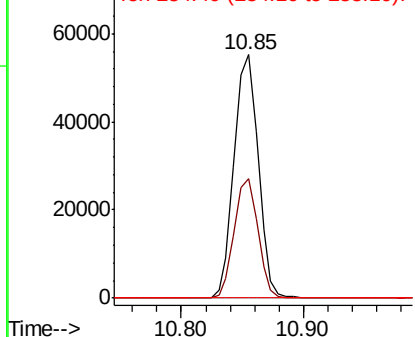


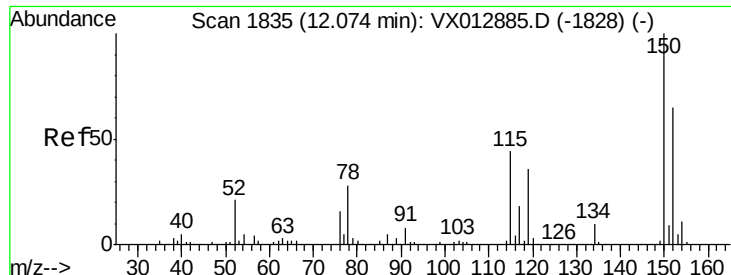
#71  
Bromoform  
Concen: 46.201 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion:173 Resp: 75361  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.1 72.3  
254 0.1 0.1 0.1



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampleId :

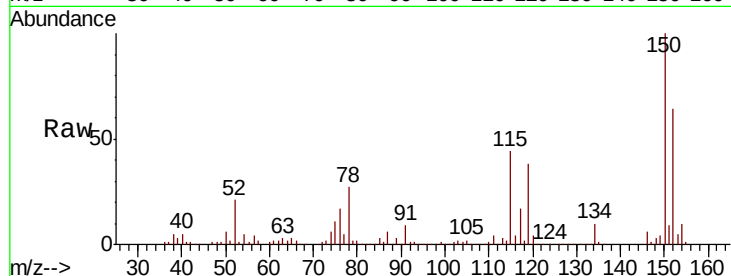
Tot Ion:152 Resp: 129340

Ion Ratio Lower Upper

152 100

115 88.5 44.5 133.5

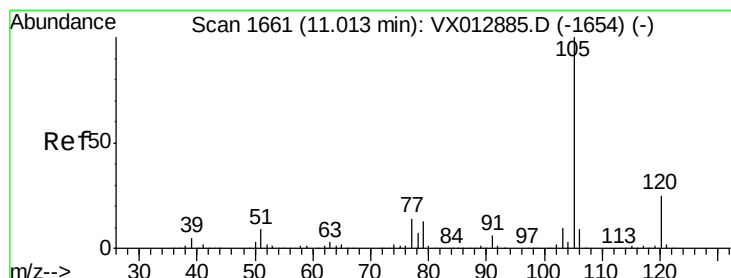
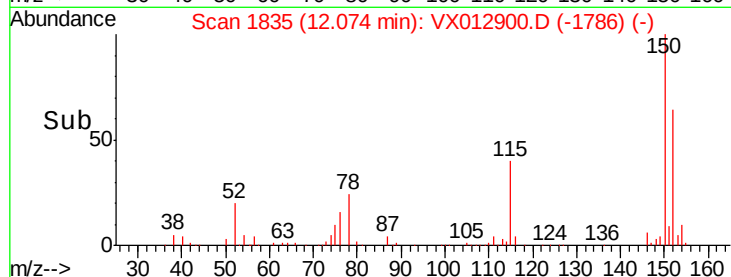
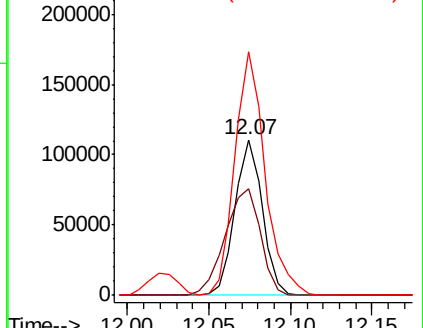
150 173.4 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 50.664 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012900.D

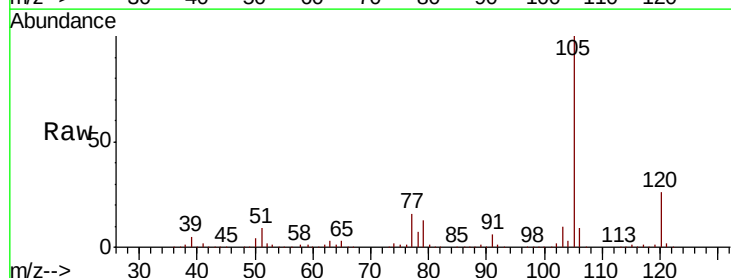
Acq: 08 Oct 2019 19:23

Tgt Ion:105 Resp: 481780

Ion Ratio Lower Upper

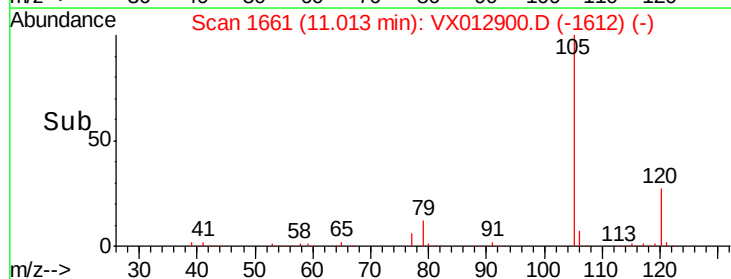
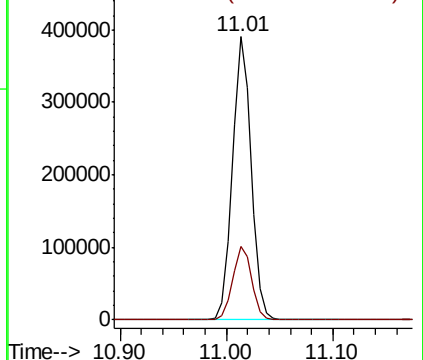
105 100

120 26.3 13.0 39.0

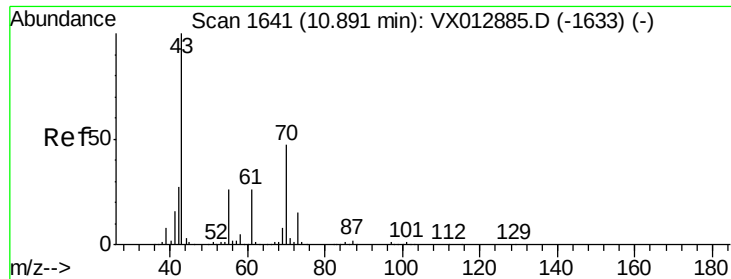


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V







#74

N-amvl acetate

Concen: 51.538 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampled :

Tot Ion: 43 Resp: 211072

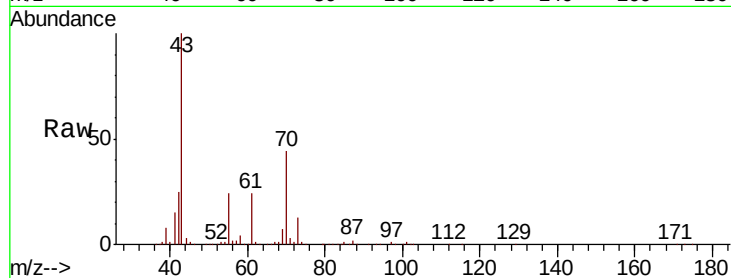
Ion Ratio Lower Upper

43 100

70 45.1 36.4 54.6

55 24.8 20.2 30.2

61 24.8 20.5 30.7

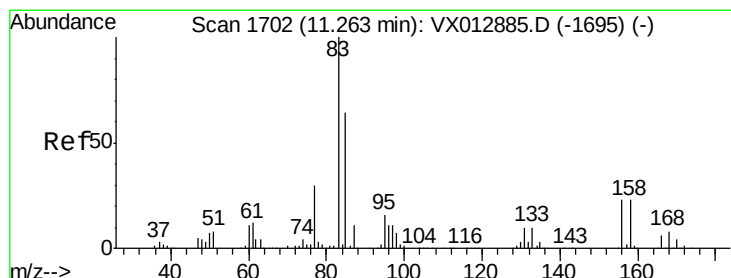
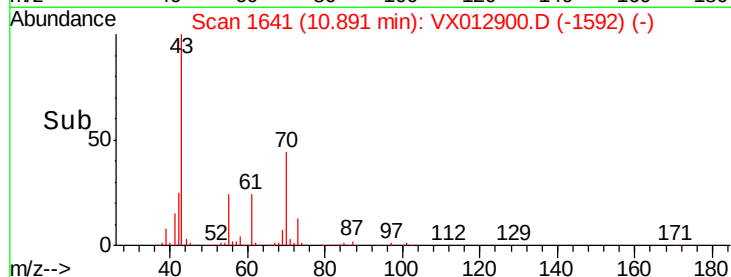
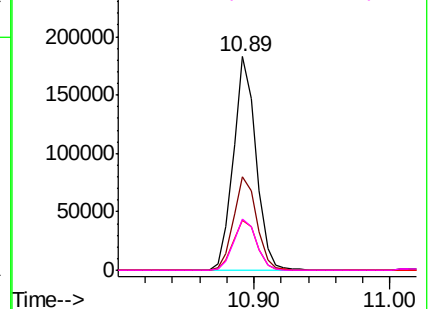


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 51.107 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

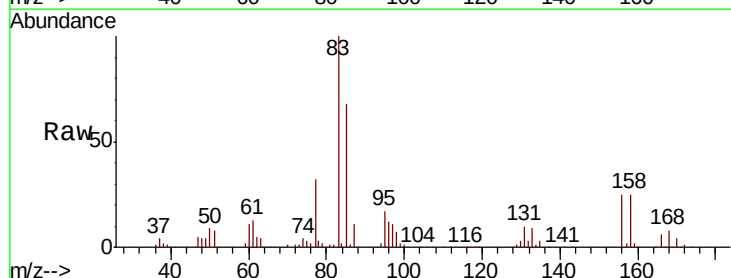
Tgt Ion: 83 Resp: 161643

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

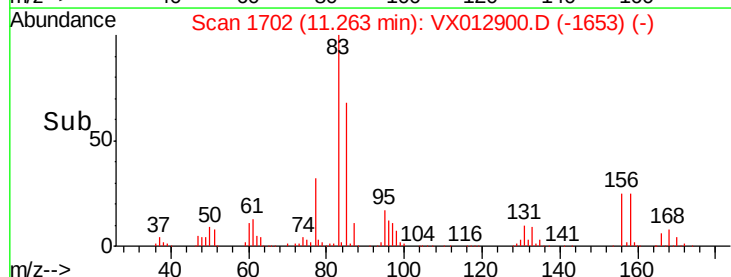
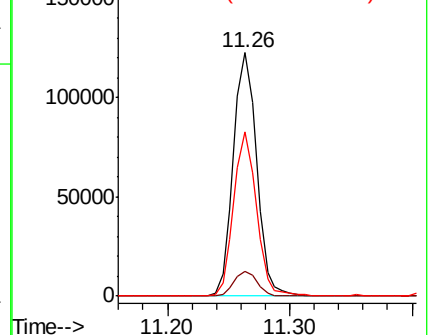
85 65.8 32.1 96.5

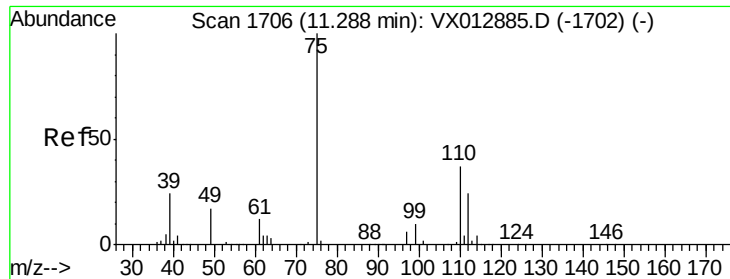


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



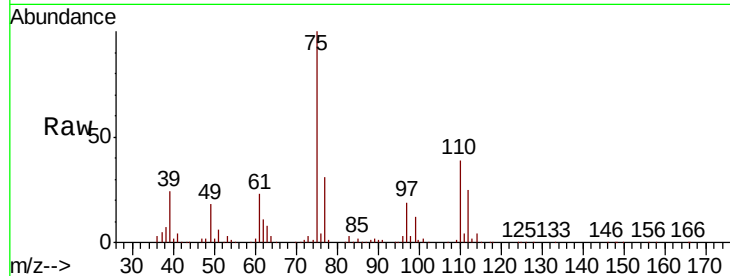


#76

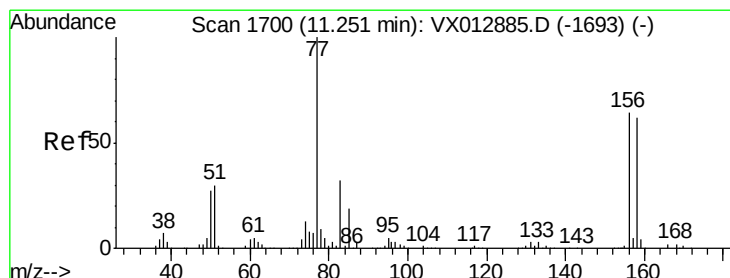
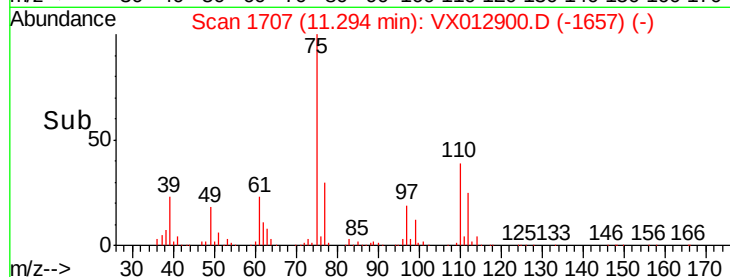
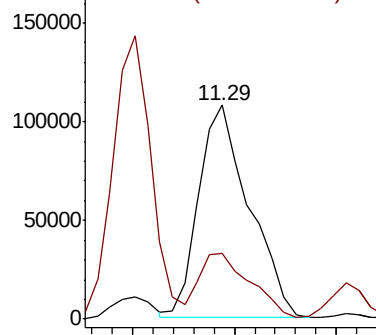
1,2,3-Trichloropropane  
Concen: 64.616 ug/l  
RT: 11.29 min Scan# 1707  
Delta R.T. 0.01 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 75 Resp: 185368  
Ion Ratio Lower Upper  
75 100  
77 31.4 22.9 68.8



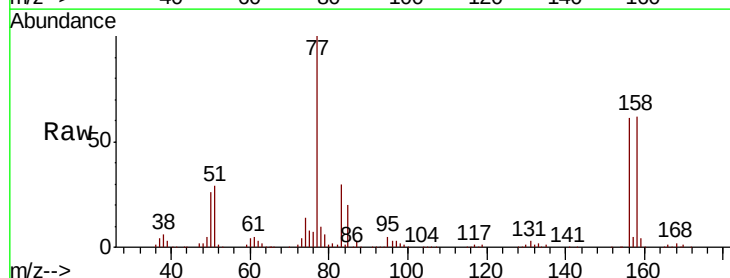
Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0



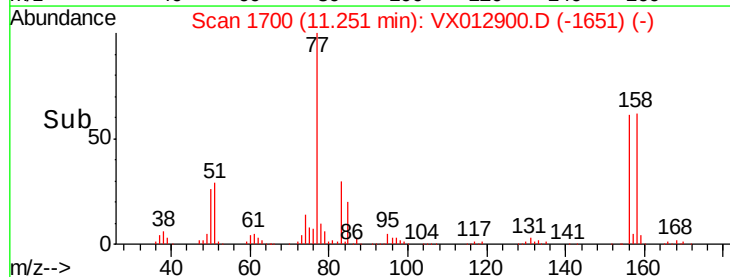
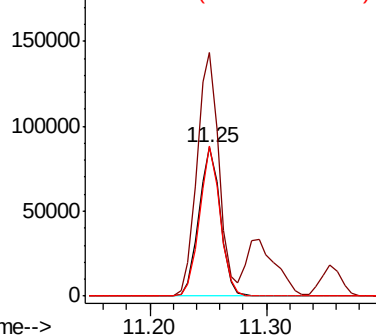
#77

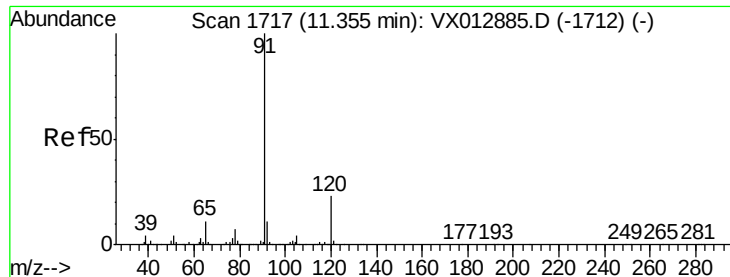
Bromobenzene  
Concen: 49.915 ug/l  
RT: 11.25 min Scan# 1700  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 156 Resp: 111852  
Ion Ratio Lower Upper  
156 100  
77 167.9 83.7 251.0  
158 97.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 50.903 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

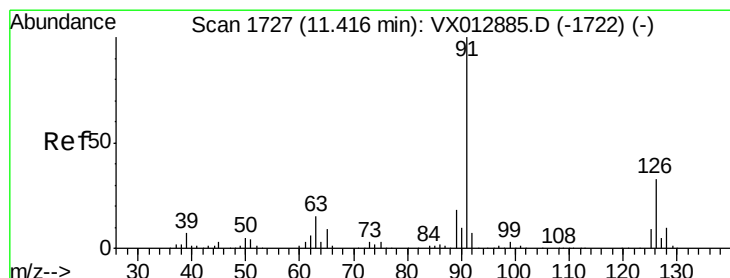
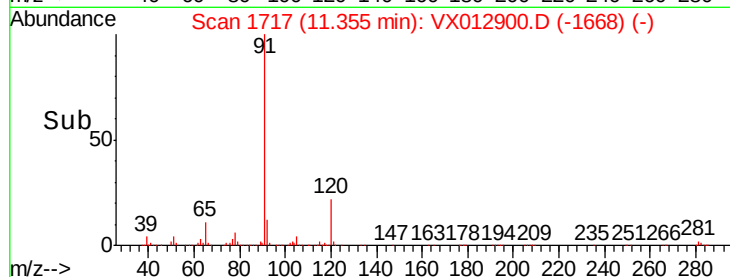
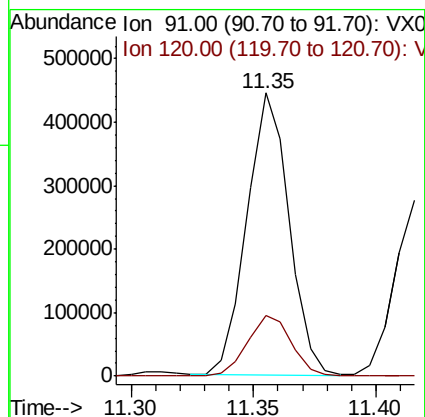
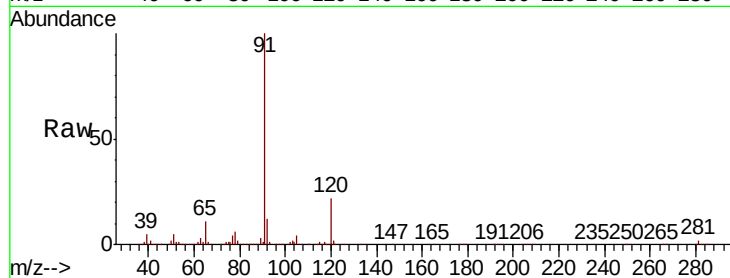
ClientSampleId :

Tot Ion: 91 Resp: 532640

Ion Ratio Lower Upper

91 100

120 22.5 11.7 35.1



#79

2-Chlorotoluene

Concen: 51.271 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012900.D

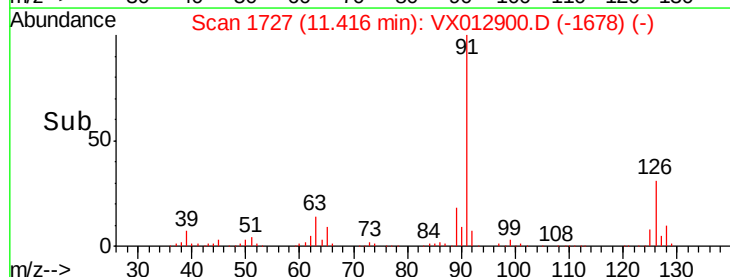
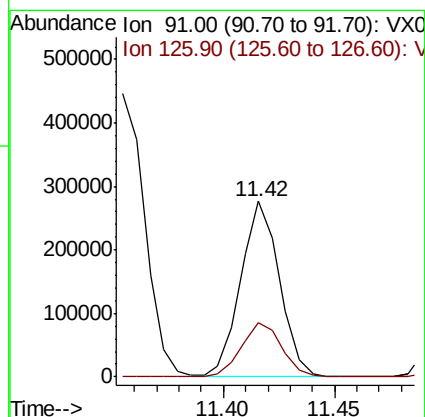
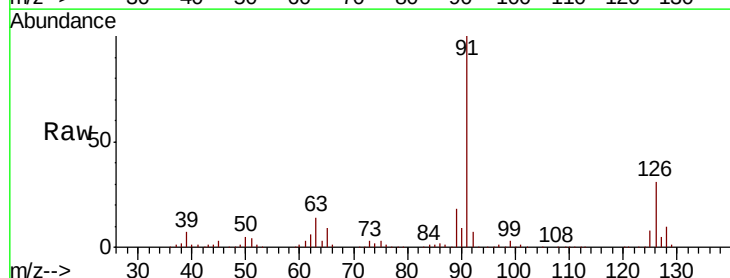
Acq: 08 Oct 2019 19:23

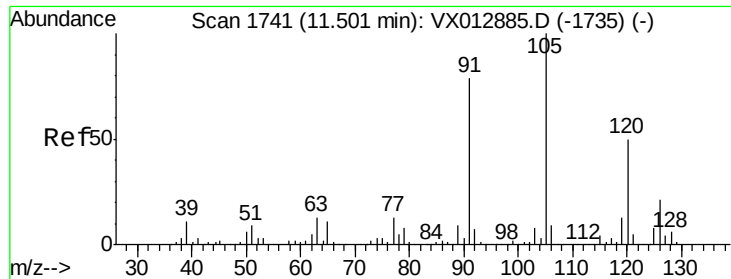
Tgt Ion: 91 Resp: 337165

Ion Ratio Lower Upper

91 100

126 31.9 16.3 48.8

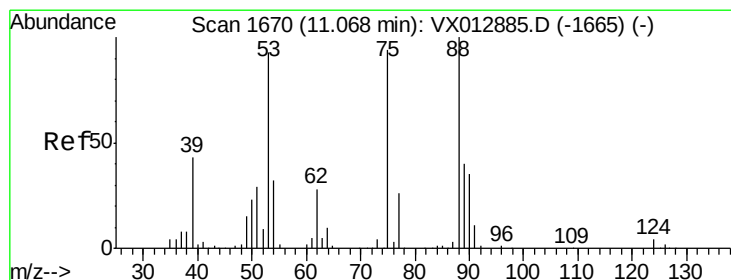
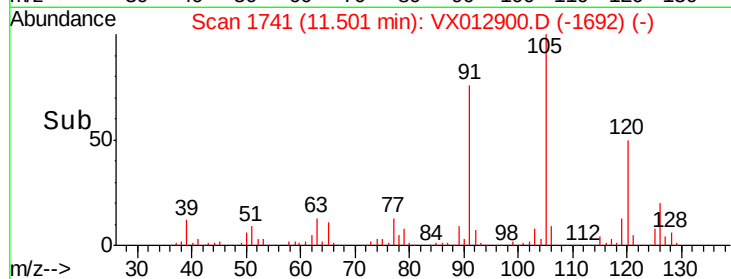
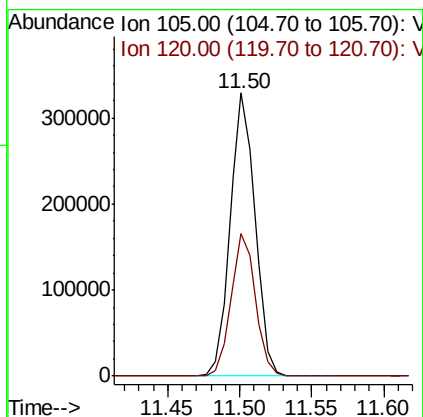
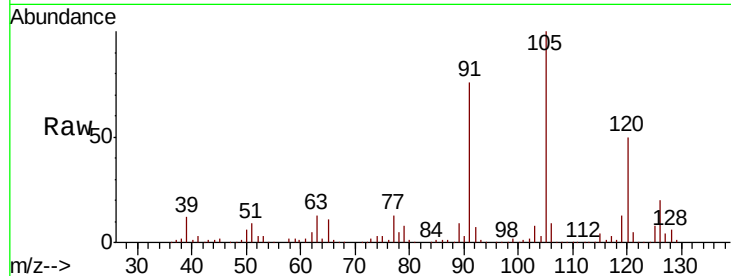




#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.416 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

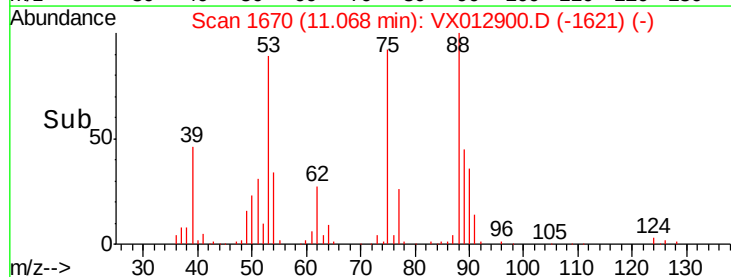
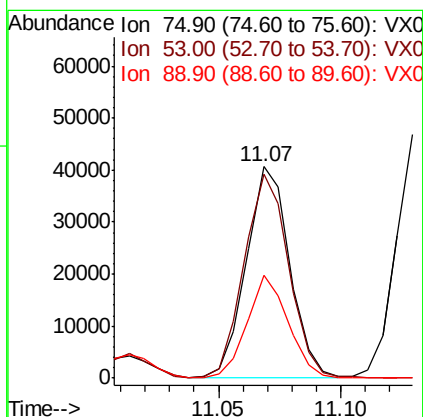
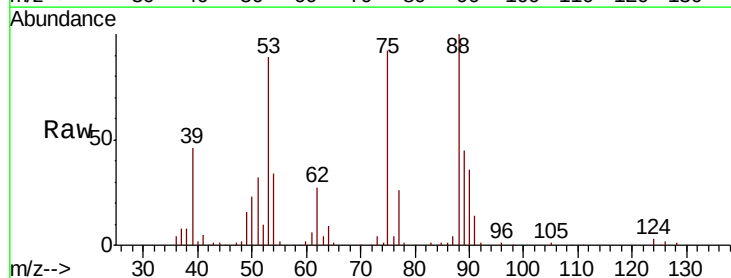
Instrument :  
 MSVOA\_X  
 ClientSampleId :

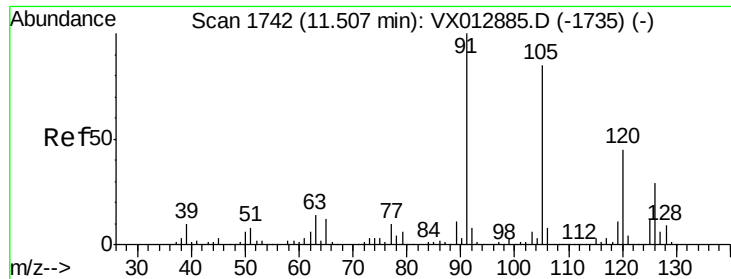
Tot Ion:105 Resp: 400317  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 24.8 74.3



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 45.232 ug/l  
 RT: 11.07 min Scan# 1670  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion: 75 Resp: 49988  
 Ion Ratio Lower Upper  
 75 100  
 53 99.7 78.5 117.7  
 89 45.9 37.4 56.2

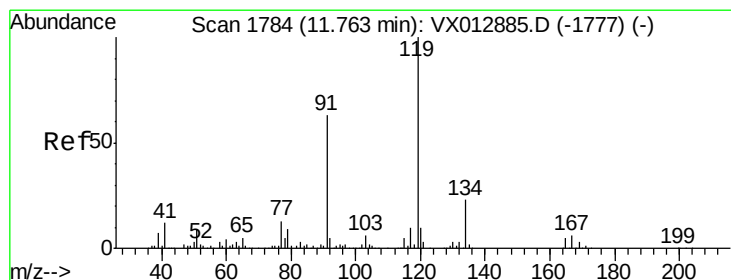
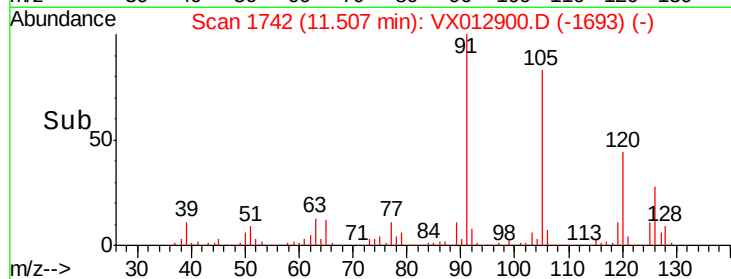
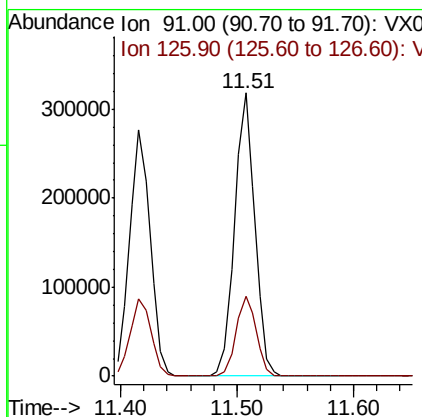
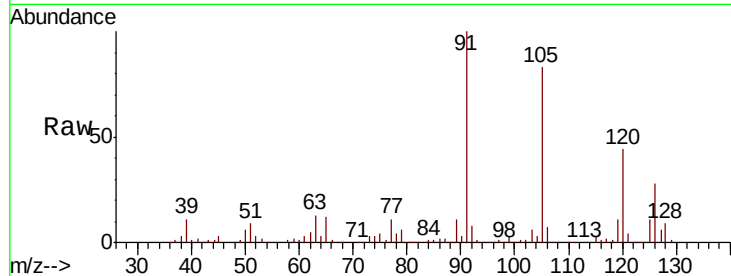




#82  
4-Chlorotoluene  
Concen: 51.251 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

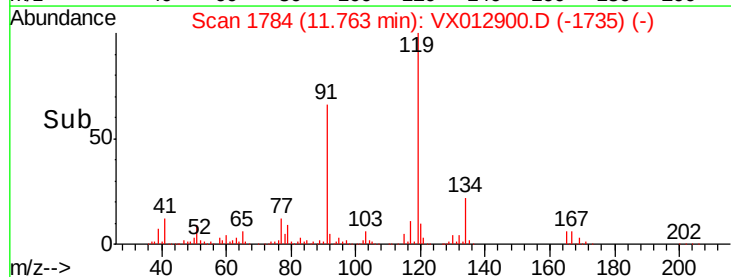
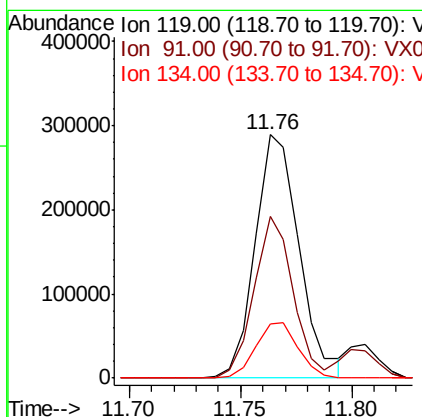
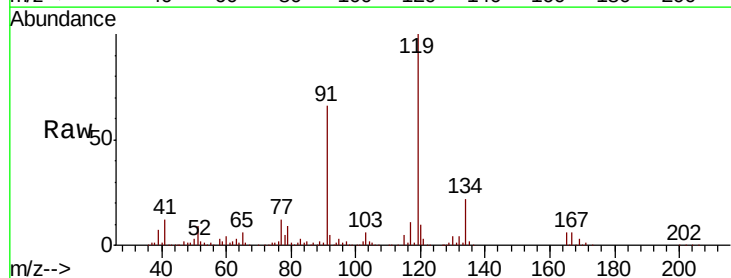
Instrument :  
MSVOA\_X  
ClientSampleId :

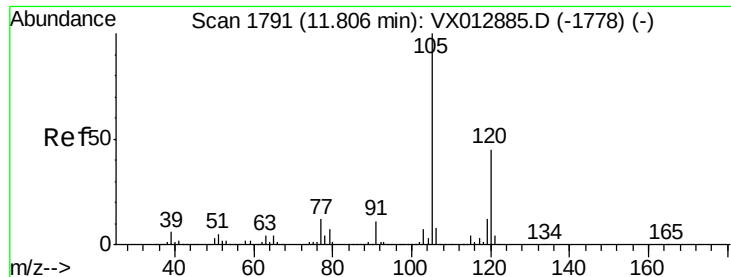
Tot Ion: 91 Resp: 386307  
Ion Ratio Lower Upper  
91 100  
126 28.2 14.2 42.6



#83  
tert-Butylbenzene  
Concen: 51.371 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX012900.D  
Acq: 08 Oct 2019 19:23

Tgt Ion: 119 Resp: 397907  
Ion Ratio Lower Upper  
119 100  
91 59.0 29.3 87.9  
134 22.1 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 50.840 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

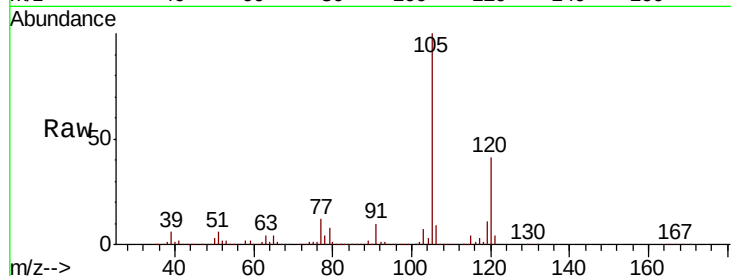
ClientSampleId :

Tot Ion:105 Resp: 408839

Ion Ratio Lower Upper

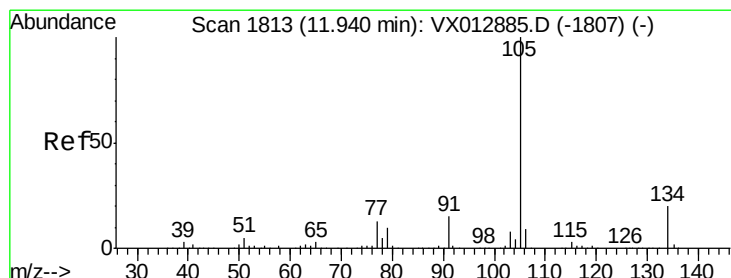
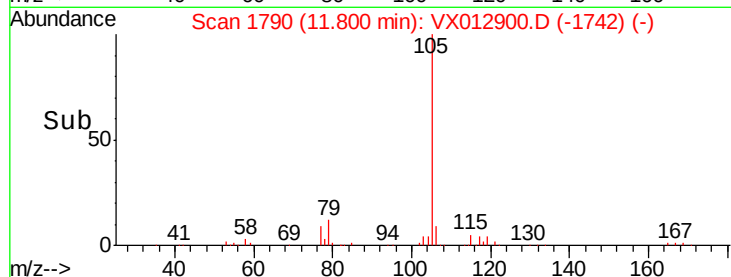
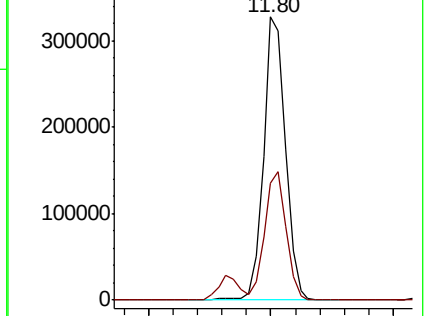
105 100

120 44.5 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 50.435 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012900.D

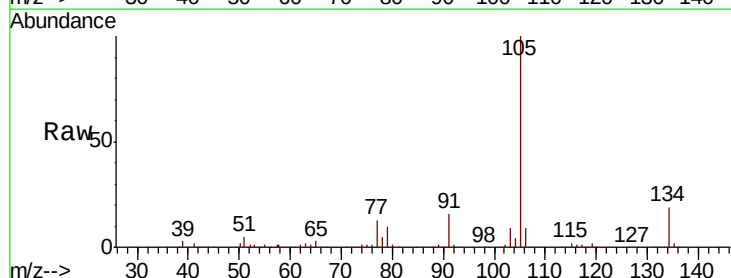
Acq: 08 Oct 2019 19:23

Tgt Ion:105 Resp: 452594

Ion Ratio Lower Upper

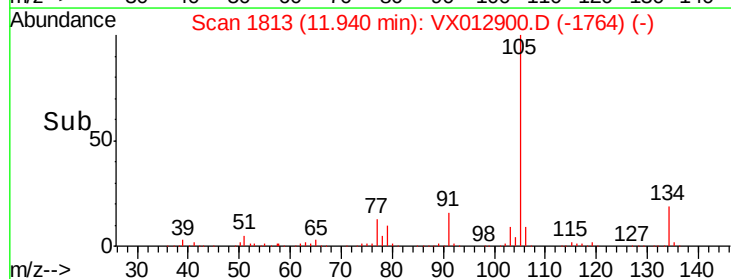
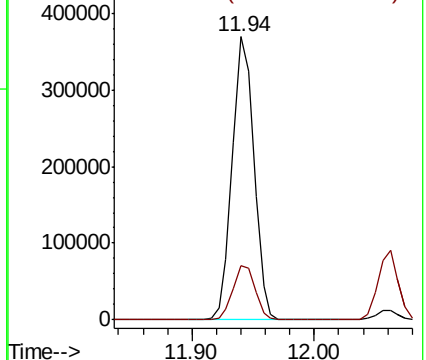
105 100

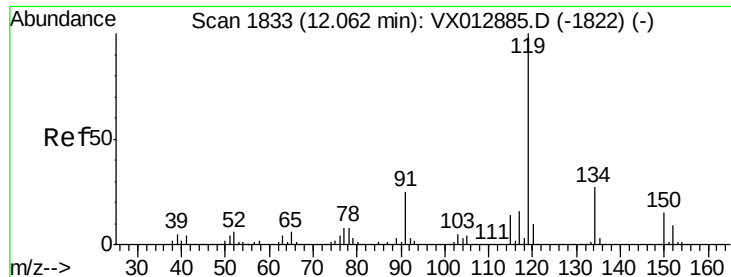
134 19.6 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

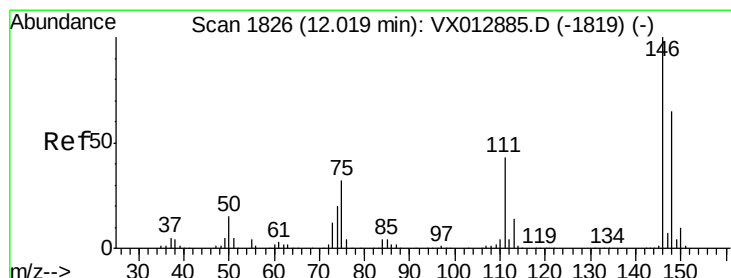
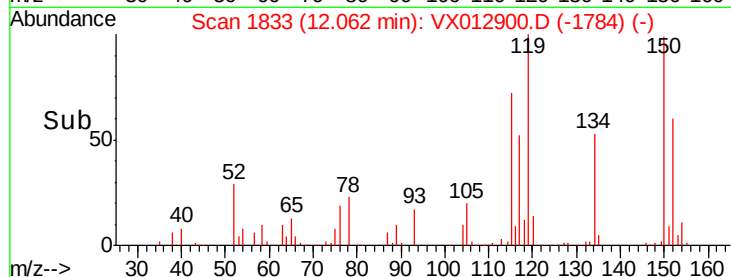
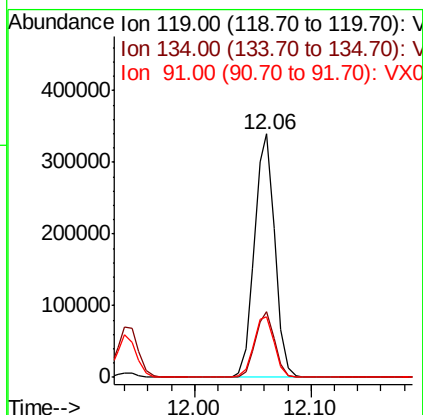
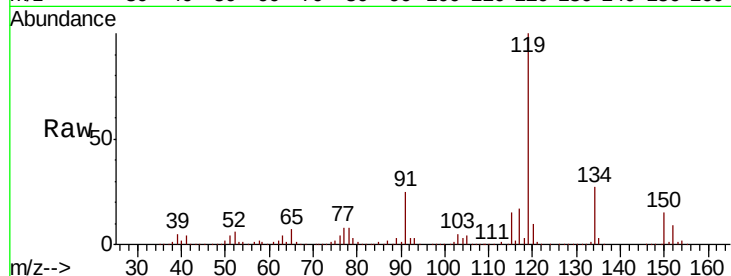




#86  
 p-Isopropyltoluene  
 Concen: 49.641 ug/l  
 RT: 12.06 min Scan# 1833  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

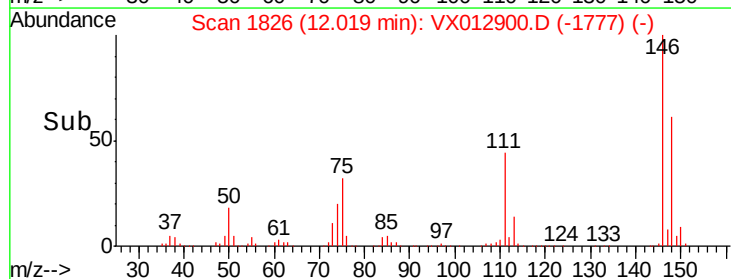
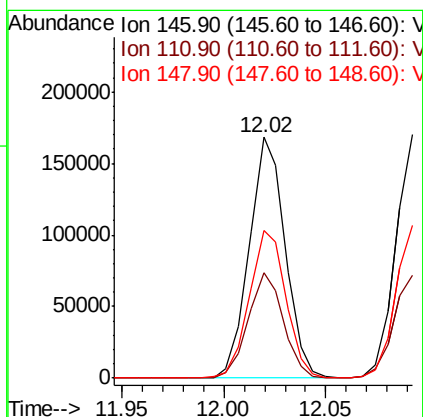
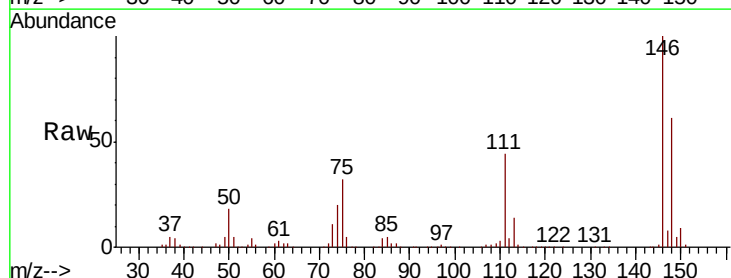
Instrument :  
 MSVOA\_X  
 ClientSampled :

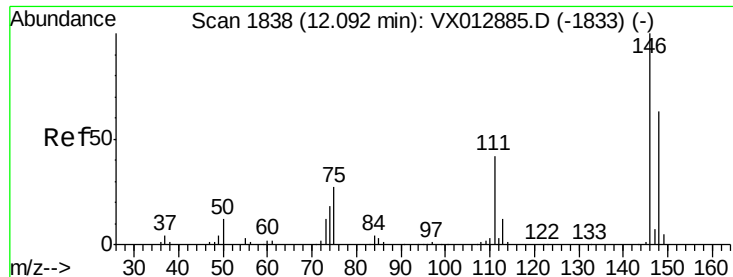
Tot Ion:119 Resp: 413146  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 12.6 37.8  
 91 25.5 12.4 37.4



#87  
 1,3-Dichlorobenzene  
 Concen: 49.592 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Tgt Ion:146 Resp: 206365  
 Ion Ratio Lower Upper  
 146 100  
 111 43.1 21.1 63.4  
 148 62.5 31.6 95.0





#88

1,4-Dichlorobenzene

Concen: 48.208 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampled :

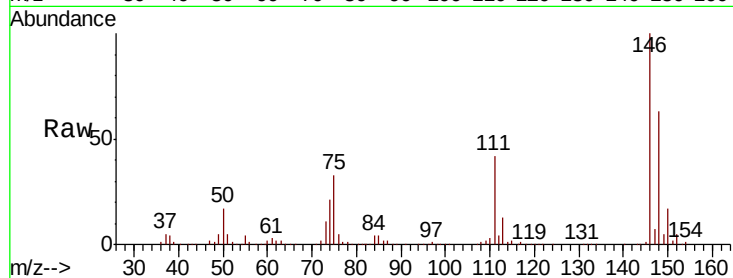
Tot Ion:146 Resp: 203166

Ion Ratio Lower Upper

146 100

111 43.6 21.4 64.3

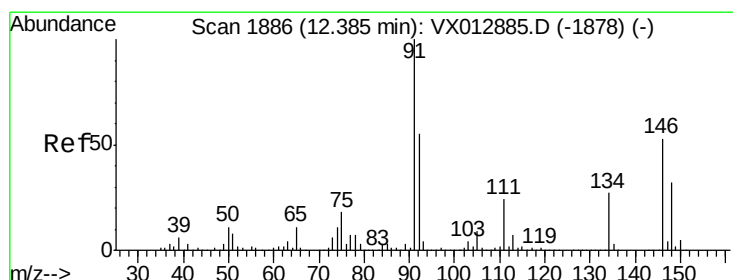
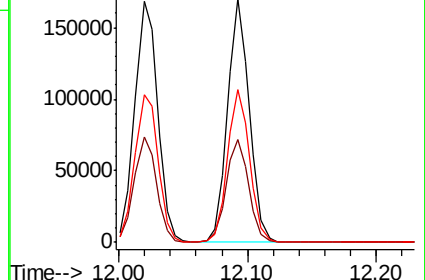
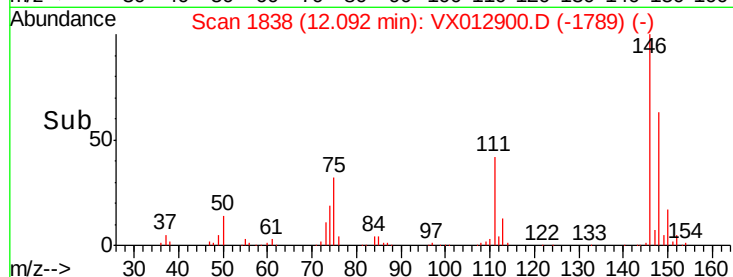
148 63.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 50.877 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

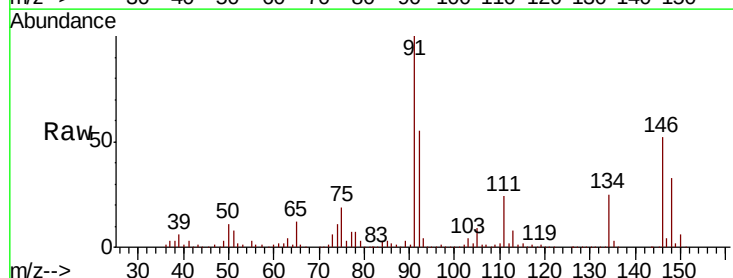
Tgt Ion: 91 Resp: 355874

Ion Ratio Lower Upper

91 100

92 54.3 27.5 82.5

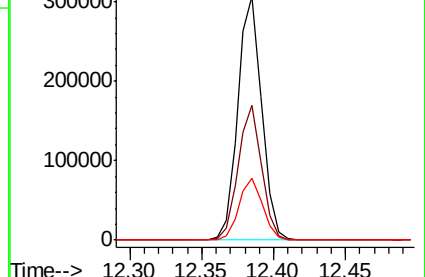
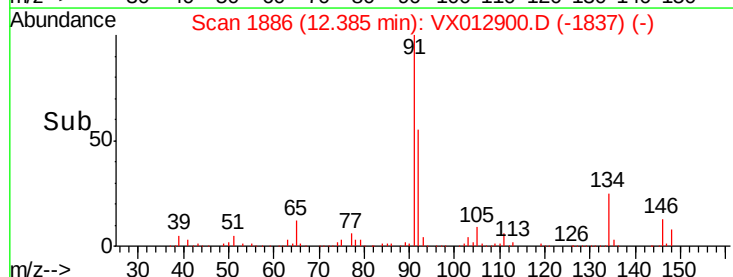
134 25.2 12.9 38.7



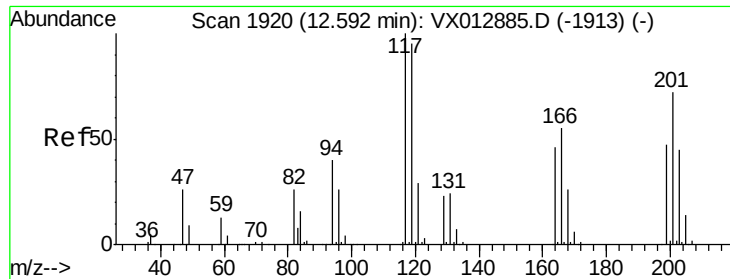
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V







#90

Hexachloroethane

Concen: 46.694 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

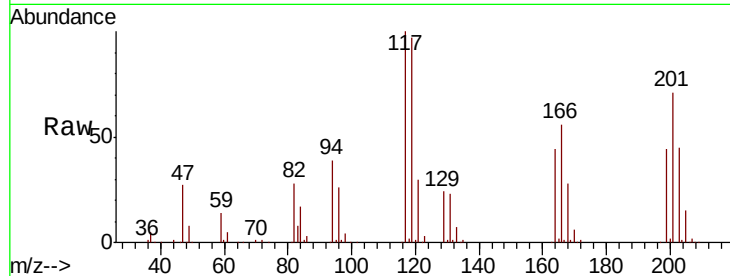
ClientSampleId :

Tot Ion:117 Resp: 71751

Ion Ratio Lower Upper

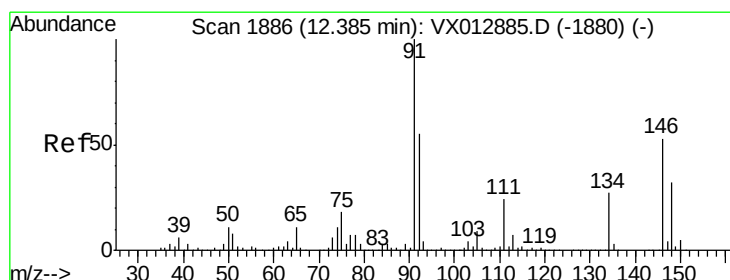
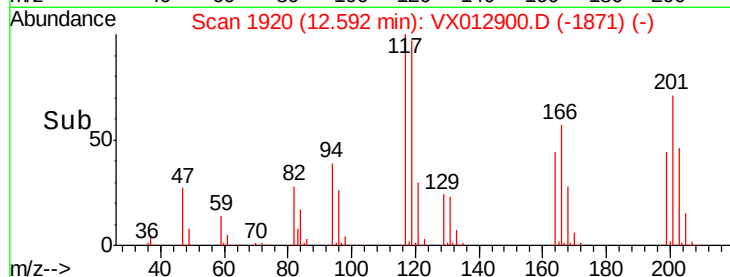
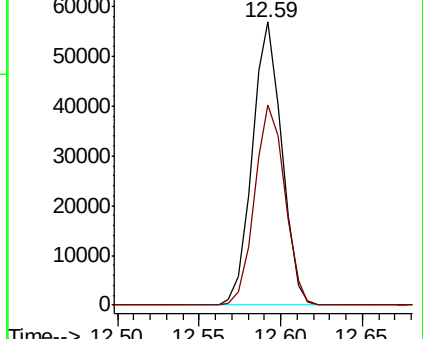
117 100

201 72.3 36.9 110.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.817 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

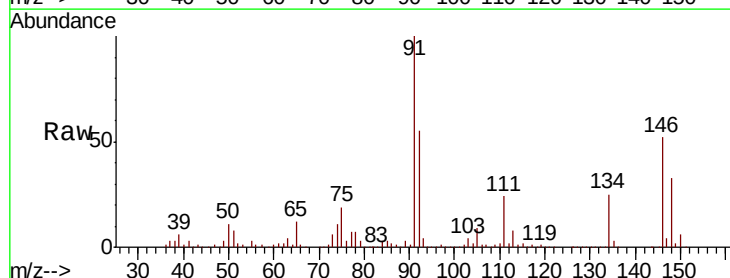
Tgt Ion:146 Resp: 203229

Ion Ratio Lower Upper

146 100

111 45.3 22.7 68.0

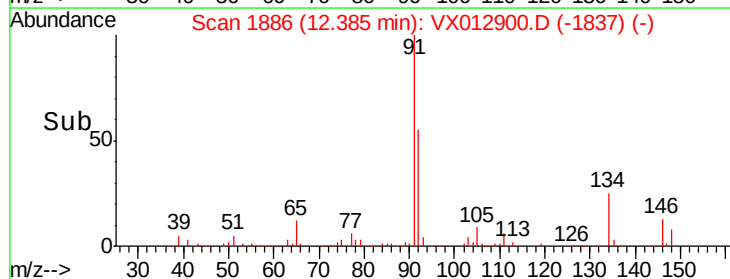
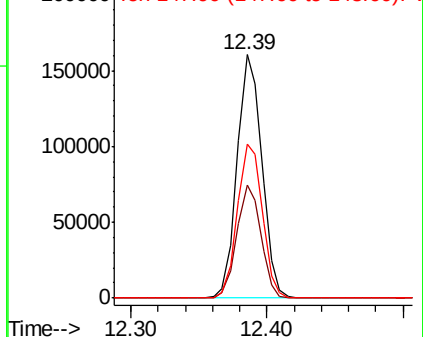
148 63.7 31.6 94.7

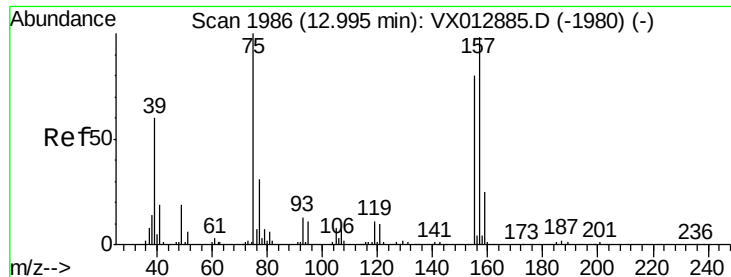


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.955 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

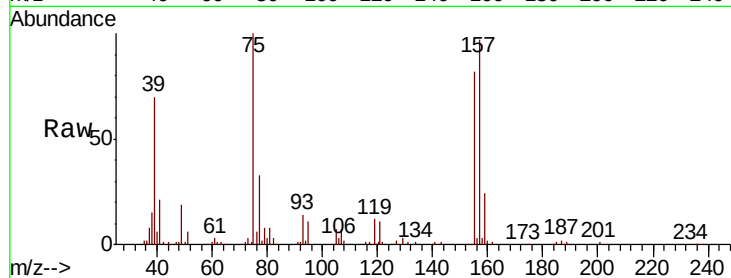
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 75 Resp: 39997

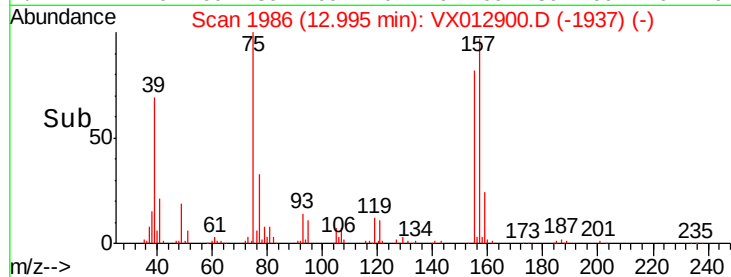
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 80.6  | 43.0  | 128.8 |
| 157 | 104.0 | 54.1  | 162.3 |



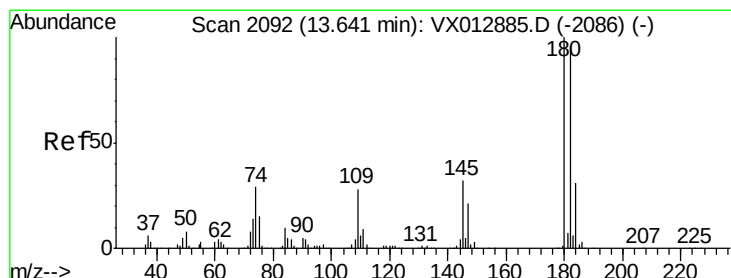
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 49.298 ug/l

RT: 13.64 min Scan# 2092

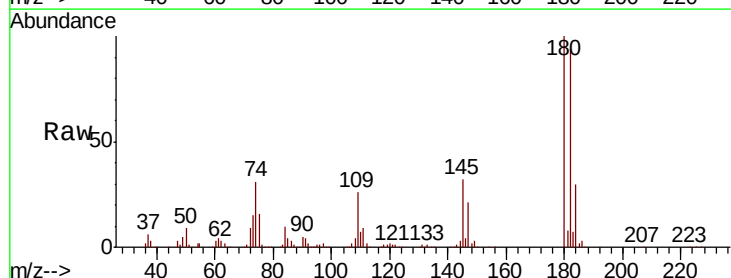
Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:180 Resp: 125982

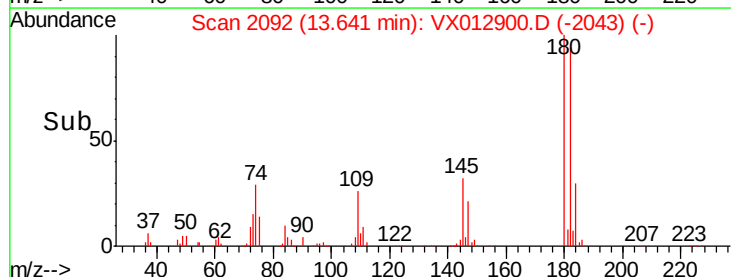
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 46.8  | 140.4 |
| 145 | 33.2  | 16.2  | 48.6  |



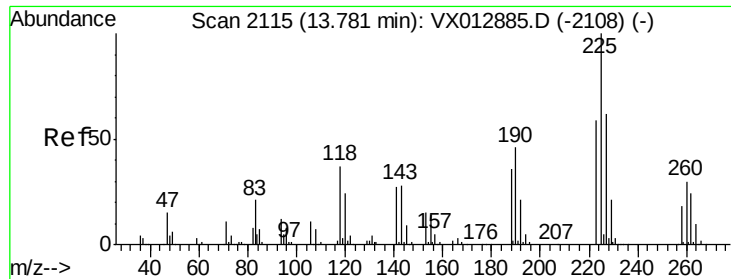
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 45.721 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA\_X

ClientSampleId :

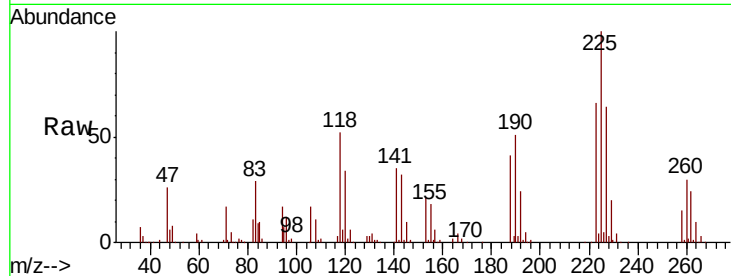
Tot Ion:225 Resp: 53923

Ion Ratio Lower Upper

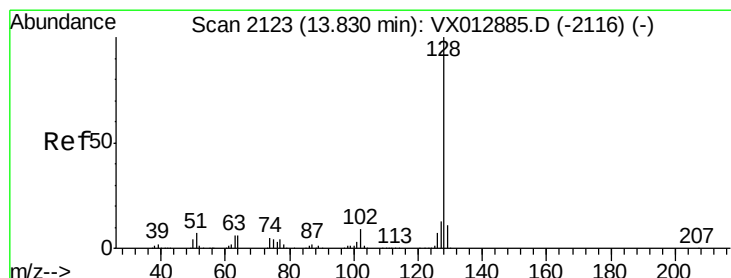
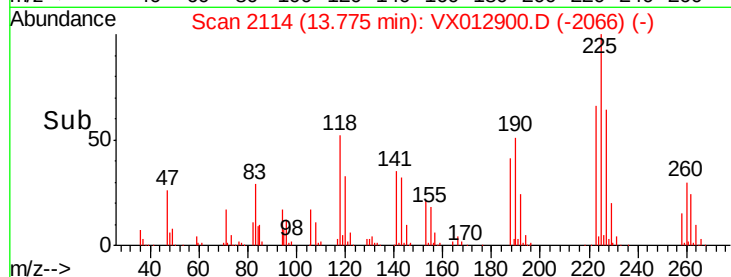
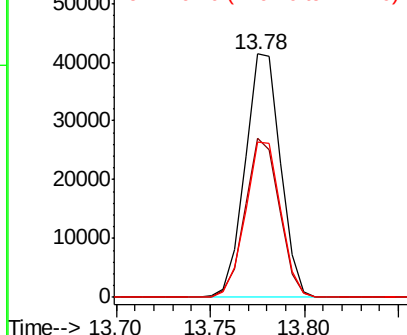
225 100

223 63.3 31.1 93.2

227 63.3 32.3 96.9



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



#95

Naphthalene

Concen: 51.805 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

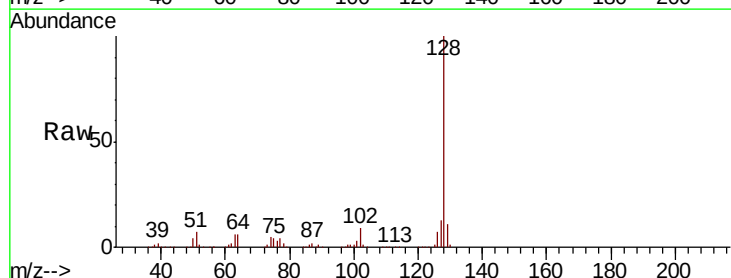
Tgt Ion:128 Resp: 458928

Ion Ratio Lower Upper

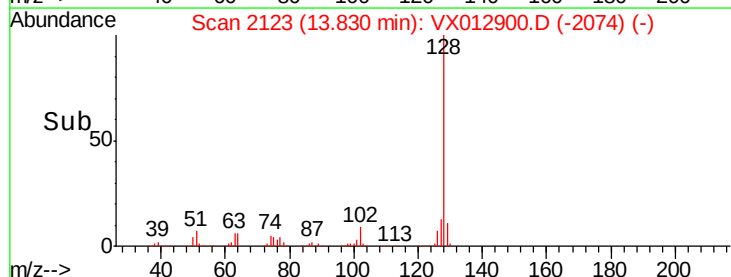
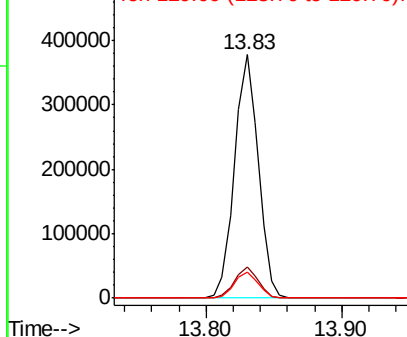
128 100

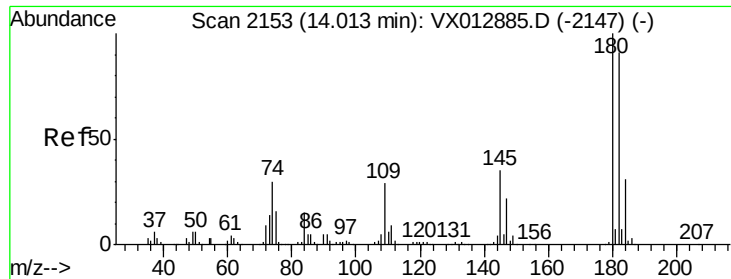
127 12.7 10.2 15.4

129 10.7 8.8 13.2



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

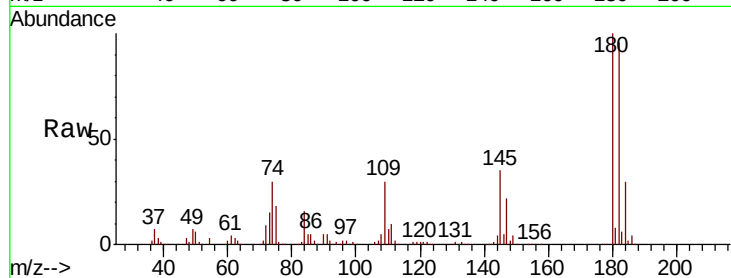




#96  
 1,2,3-Trichlorobenzene  
 Concen: 49.324 ug/l  
 RT: 14.01 min Scan# 2153  
 Delta R.T. 0.00 min  
 Lab File: VX012900.D  
 Acq: 08 Oct 2019 19:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 47.5  | 142.5 |
| 145     | 35.3  | 17.4  | 52.3  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

