

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\WX022620\  
 Data File : VX015007.D  
 Acq On : 26 Feb 2020 09:55  
 Operator : JC/SP  
 Sample : VX0226WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

Quant Time: Feb 26 12:50:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 10 12:09:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 446913   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 667809   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 621785   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 323131   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 245164   | 48.61 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.22% |      |
| 35) Dibromofluoromethane  | 5.48   | 113 | 203518   | 49.57 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.14% |      |
| 50) Toluene-d8            | 8.71   | 98  | 779663   | 49.75 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.50% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 281328   | 49.83 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.66% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 78505   | 18.55  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 92538   | 19.29  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 100830  | 19.51  | ug/l | 97     |
| 5) Bromomethane               | 1.64 | 94  | 60327   | 18.03  | ug/l | 96     |
| 6) Chloroethane               | 1.72 | 64  | 62004   | 18.75  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 128689  | 17.82  | ug/l | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 55942   | 18.68  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 82551   | 19.69  | ug/l | 98     |
| 10) Methyl Iodide             | 2.50 | 142 | 79634   | 19.92  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.02 | 59  | 95994   | 107.79 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 77010   | 18.80  | ug/l | 99     |
| 13) Acrolein                  | 2.28 | 56  | 55088   | 81.16  | ug/l | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 138158  | 19.02  | ug/l | 98     |
| 15) Acrylonitrile             | 3.13 | 53  | 240370  | 106.47 | ug/l | 100    |
| 16) Acetone                   | 2.43 | 43  | 250160  | 85.12  | ug/l | 98     |
| 17) Carbon Disulfide          | 2.56 | 76  | 190276  | 16.62  | ug/l | 100    |
| 18) Methyl Acetate            | 2.76 | 43  | 116695  | 22.97  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 271318  | 20.35  | ug/l | 99     |
| 20) Methylene Chloride        | 2.85 | 84  | 90734   | 18.70  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 82868   | 18.33  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.84 | 45  | 288471  | 20.80  | ug/l | 93     |
| 23) Vinyl Acetate             | 3.80 | 43  | 1201933 | 105.11 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 154381  | 19.72  | ug/l | 99     |
| 25) 2-Butanone                | 4.65 | 43  | 347243  | 101.13 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 126818  | 18.80  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 99231   | 19.64  | ug/l | 99     |
| 28) Bromochloromethane        | 5.00 | 49  | 64486   | 21.25  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 211448  | 108.32 | ug/l | 100    |
| 30) Chloroform                | 5.20 | 83  | 155507  | 20.02  | ug/l | 95     |
| 31) Cyclohexane               | 5.57 | 56  | 137368  | 19.27  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 130148  | 19.16  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 115048  | 19.26  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.81 | 43  | 130299  | 20.91  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 111147  | 19.09  | ug/l | 98     |

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 Sample : VX0226WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

Quant Time: Feb 26 12:50:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 10 12:09:20 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 139810   | 18.71  | ug/l   | 97       |
| 40) Benzene                    | 6.13  | 78   | 349558   | 19.58  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 72335    | 21.55  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 123497   | 19.14  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 209930   | 20.43  | ug/l   | 98       |
| 44) Trichloroethene            | 7.21  | 130  | 96078    | 18.54  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 89928    | 19.76  | ug/l   | 94       |
| 46) Dibromomethane             | 7.65  | 93   | 59697    | 19.19  | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.89  | 83   | 121545   | 19.70  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 101233   | 20.01  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 43218    | 456.98 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 664944   | 107.14 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 222910   | 19.66  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 129996   | 19.23  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 146004   | 19.55  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 91967    | 20.05  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 139197   | 20.19  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 153698   | 19.91  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 361707   | 100.32 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 513351   | 105.24 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 96579    | 19.57  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 98527    | 19.91  | ug/l   | 97       |
| 64) Tetrachloroethene          | 9.33  | 164  | 97989    | 16.86  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 241617   | 19.16  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 91184    | 19.92  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 424134   | 19.77  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 324595   | 39.29  | ug/l   | 99       |
| 69) o-Xylene                   | 10.69 | 106  | 157227   | 19.80  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 262811   | 19.56  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 73847    | 19.32  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 416547   | 20.56  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 174699   | 20.75  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 142090   | 21.45  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 159440   | 27.29  | ug/l   | 94       |
| 77) Bromobenzene               | 11.25 | 156  | 112255   | 19.85  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 477066   | 20.36  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 279689   | 20.30  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 348307   | 20.57  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 45525    | 19.94  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 328494   | 20.13  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 339501   | 21.17  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 351884   | 20.62  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 410847   | 20.63  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 381569   | 20.47  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 195931   | 19.31  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 198046   | 19.11  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 325961   | 19.53  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 66273    | 20.36  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 196986   | 19.80  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 29541    | 19.01  | ug/l   | 99       |

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Data File : VX015007.D  
Acq On : 26 Feb 2020 09:55  
Operator : JC/SP  
Sample : VX0226WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

Quant Time: Feb 26 12:50:45 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 10 12:09:20 2020  
Response via : Initial Calibration

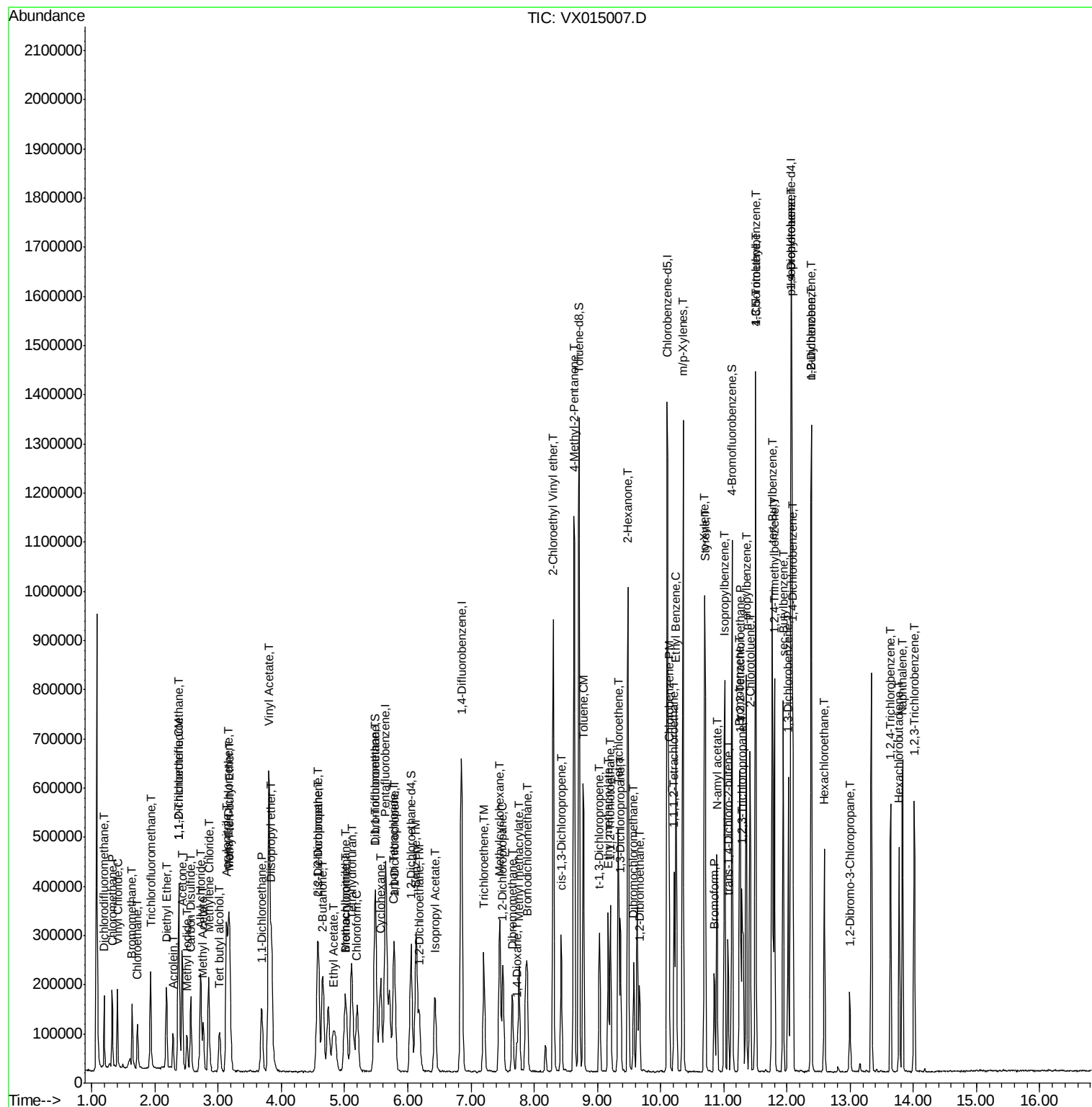
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 138766   | 18.89 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 69826    | 19.66 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 393832   | 20.17 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 139512   | 19.66 | ug/l  | 97       |

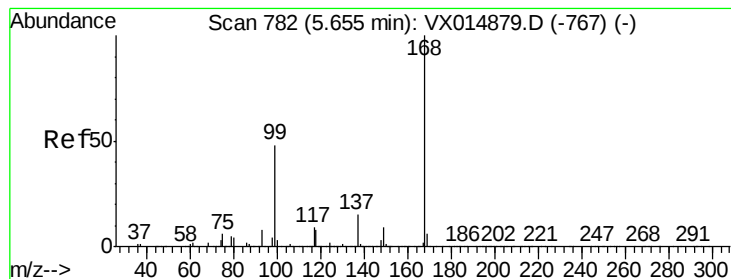
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX022620\  
Data File : VX015007.D  
Acq On : 26 Feb 2020 09:55  
Operator : JC/SP  
Sample : VX0226WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleID :  
VX0226WBS01

Quant Time: Feb 26 12:50:45 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 10 12:09:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

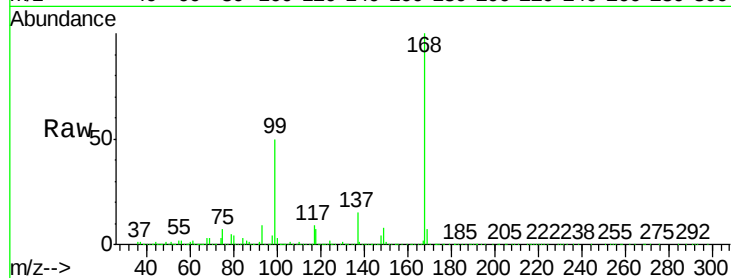
VX0226WBS01

Tgt Ion:168 Resp: 446913

Ion Ratio Lower Upper

168 100

99 49.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

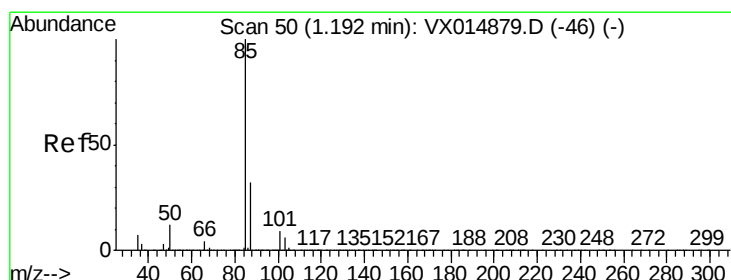
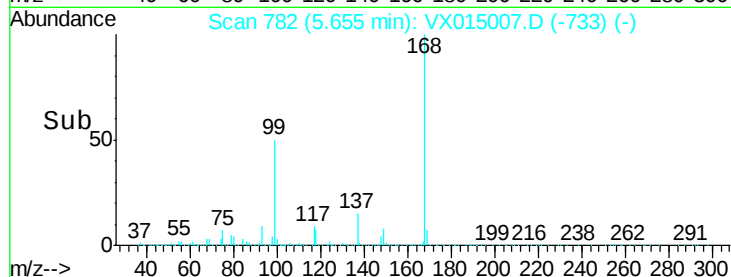
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.55 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015007.D

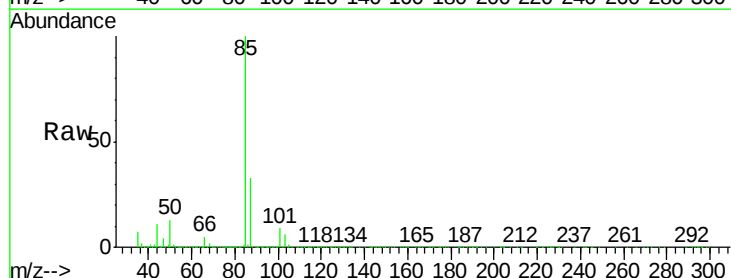
Acq: 26 Feb 2020 09:55

Tgt Ion: 85 Resp: 78505

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

60000

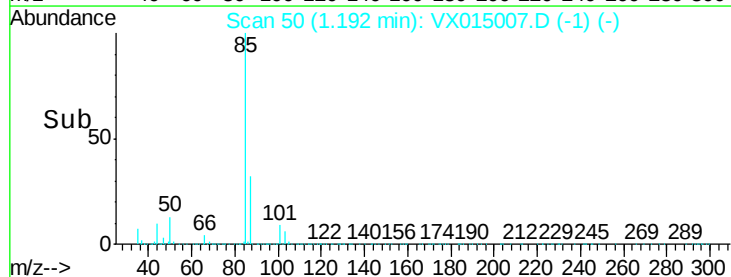
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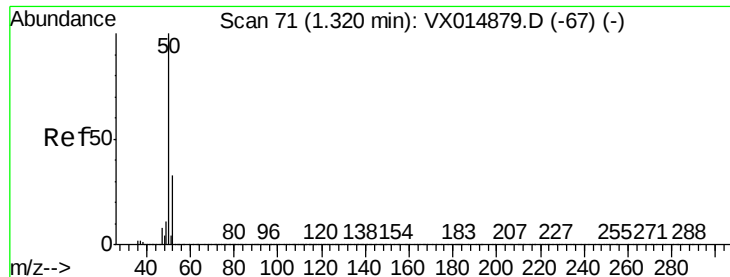
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.29 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampled :

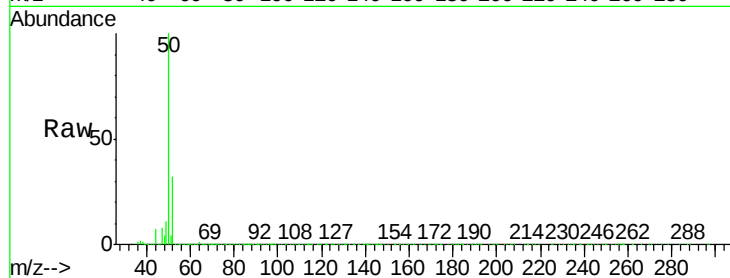
VX0226WBS01

Tgt Ion: 50 Resp: 92538

Ion Ratio Lower Upper

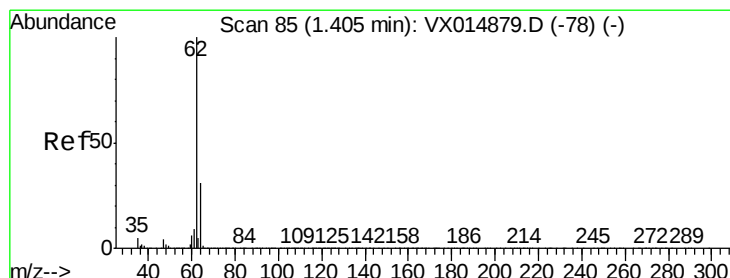
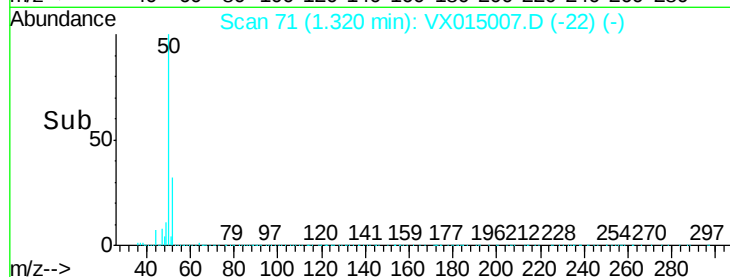
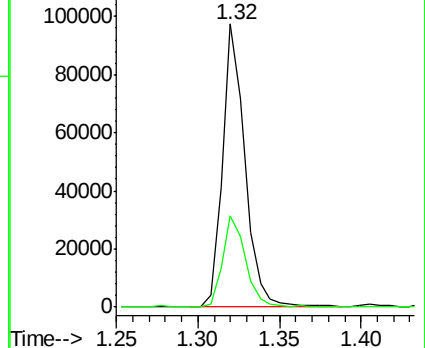
50 100

52 32.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.51 ug/l

RT: 1.41 min Scan# 85

Delta R.T. -0.00 min

Lab File: VX015007.D

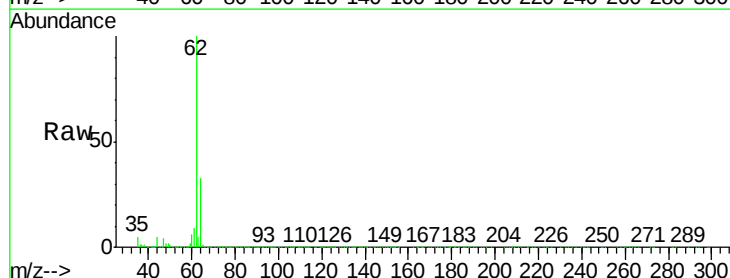
Acq: 26 Feb 2020 09:55

Tgt Ion: 62 Resp: 100830

Ion Ratio Lower Upper

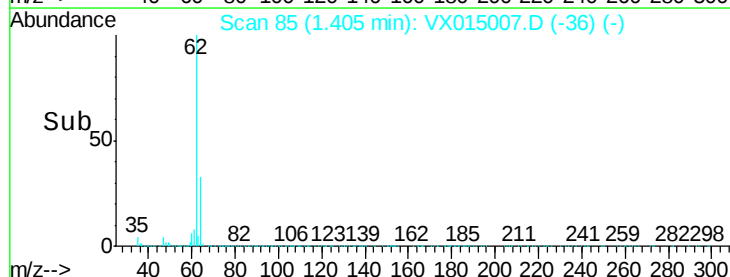
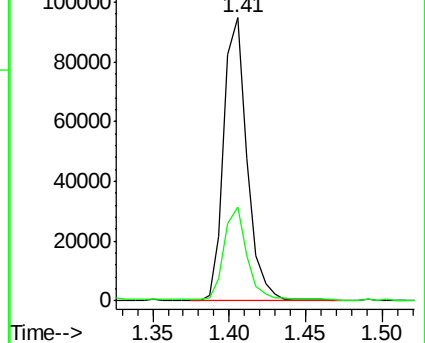
62 100

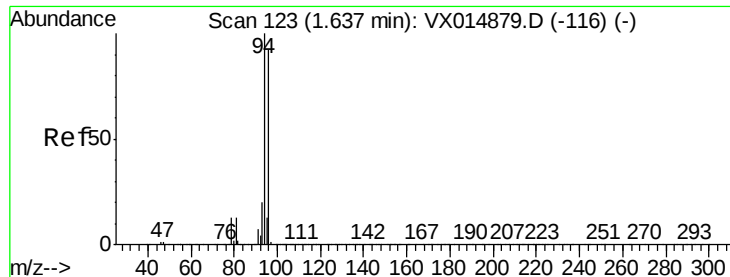
64 32.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.03 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampled :

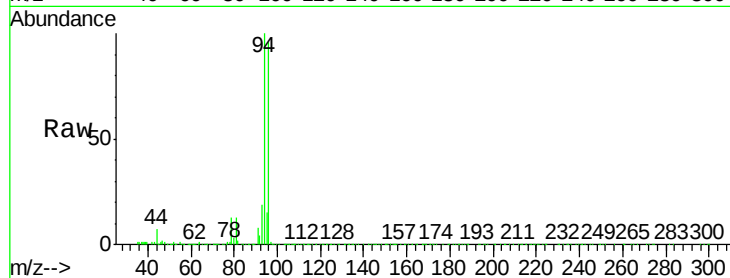
VX0226WBS01

Tgt Ion: 94 Resp: 60327

Ion Ratio Lower Upper

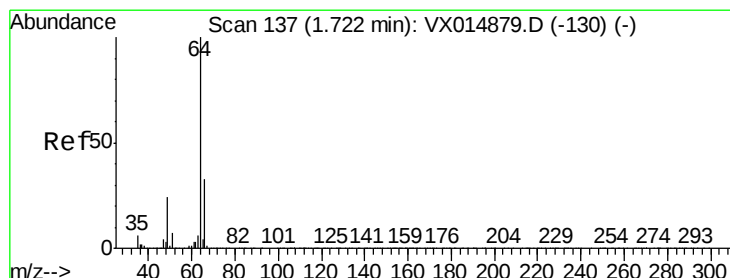
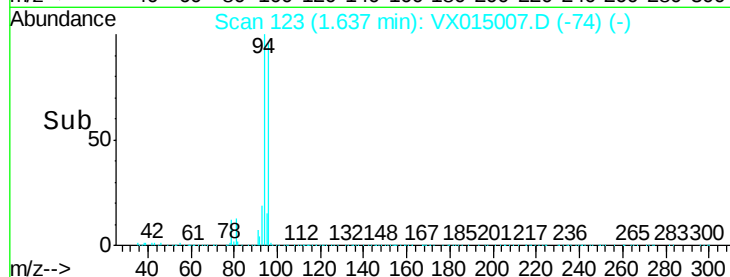
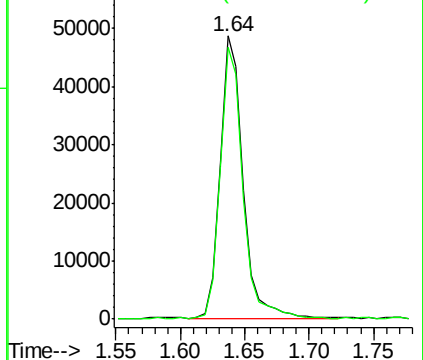
94 100

96 96.4 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.75 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015007.D

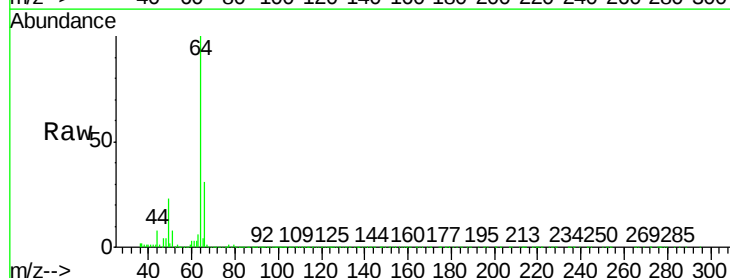
Acq: 26 Feb 2020 09:55

Tgt Ion: 64 Resp: 62004

Ion Ratio Lower Upper

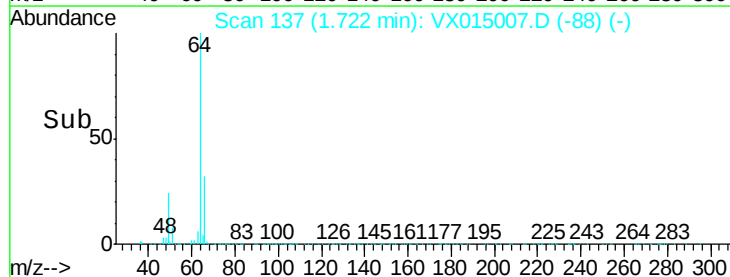
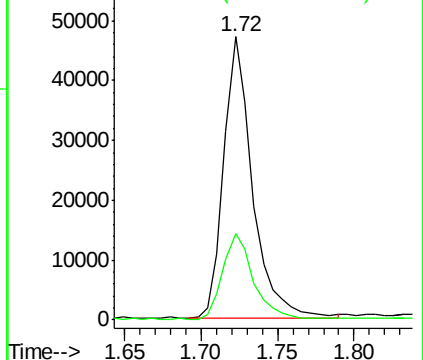
64 100

66 30.3 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



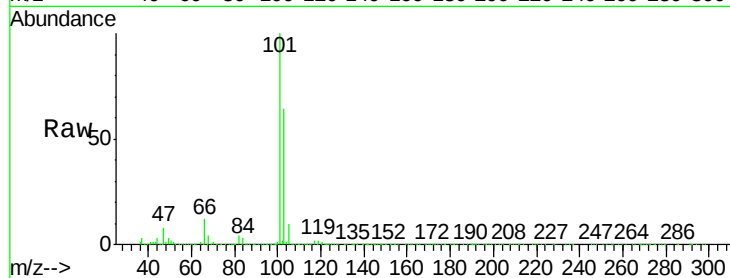


#7

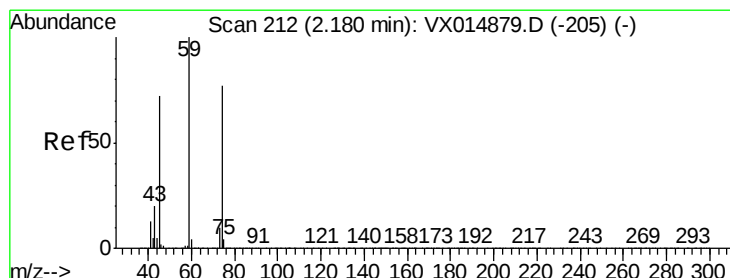
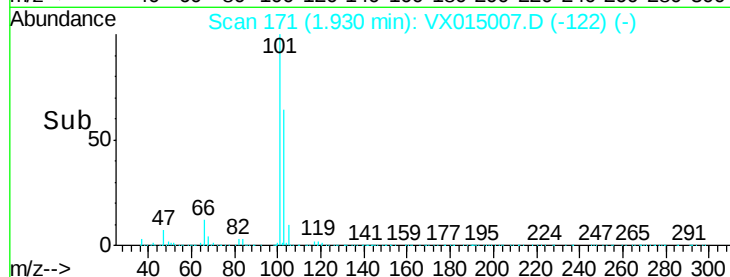
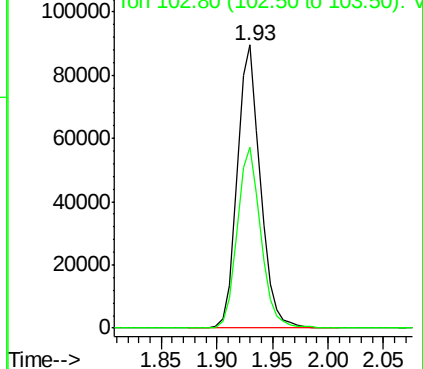
Trichlorofluoromethane  
 Concen: 17.82 ug/l  
 RT: 1.93 min Scan# 171  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

Tgt Ion:101 Resp: 128689  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 52.2 78.4



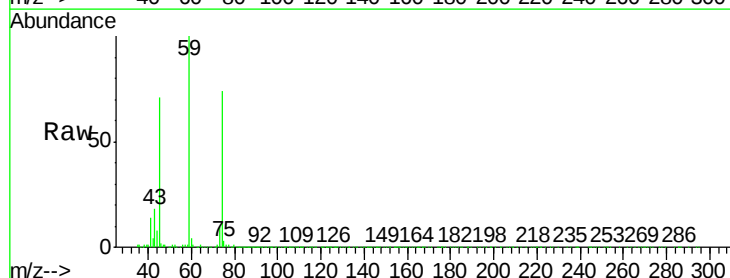
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



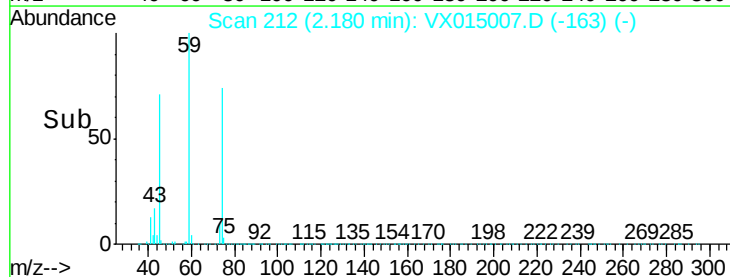
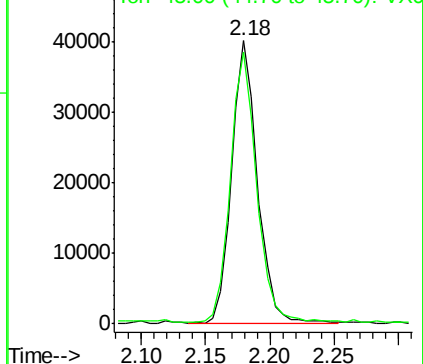
#8

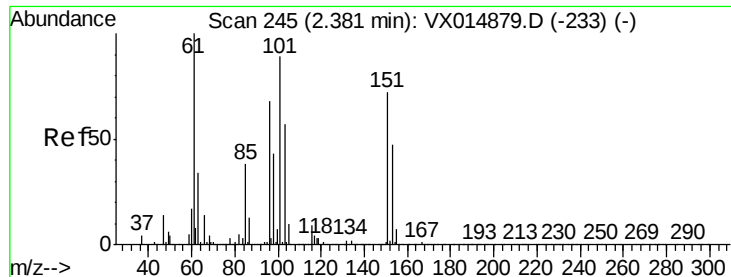
Diethyl Ether  
 Concen: 18.68 ug/l  
 RT: 2.18 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

Tgt Ion: 74 Resp: 55942  
 Ion Ratio Lower Upper  
 74 100  
 45 98.3 46.6 139.8



Abundance Ion 74.00 (73.70 to 74.70): VX0  
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.69 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

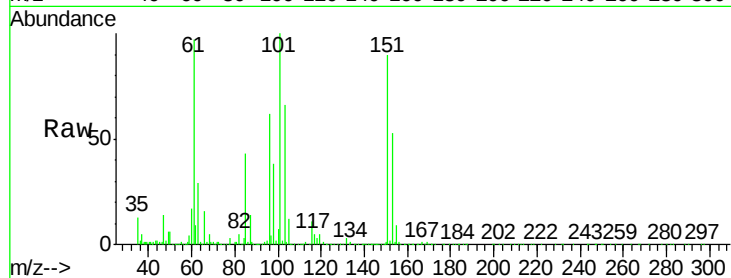
Tgt Ion:101 Resp: 82551

Ion Ratio Lower Upper

101 100

85 40.9 34.1 51.1

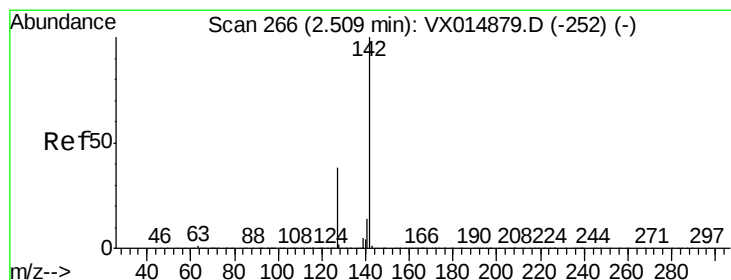
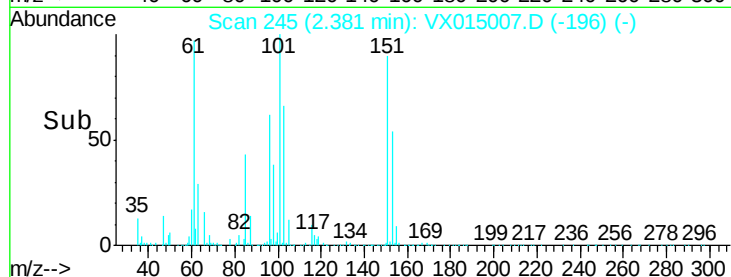
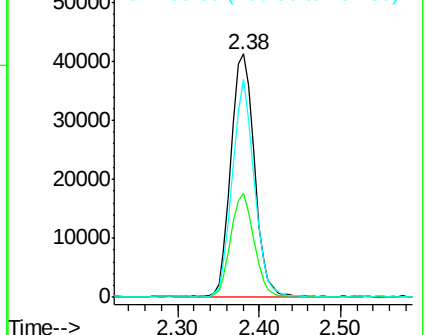
151 82.6 67.3 100.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.92 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

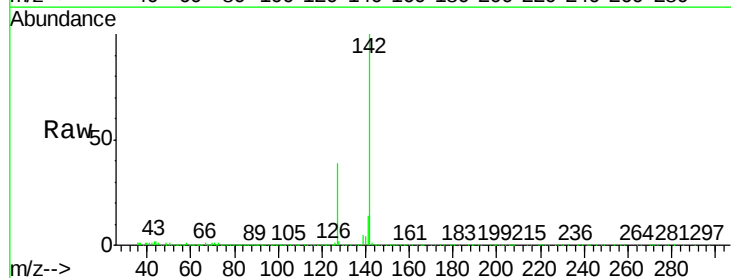
Tgt Ion:142 Resp: 79634

Ion Ratio Lower Upper

142 100

127 39.9 31.1 46.7

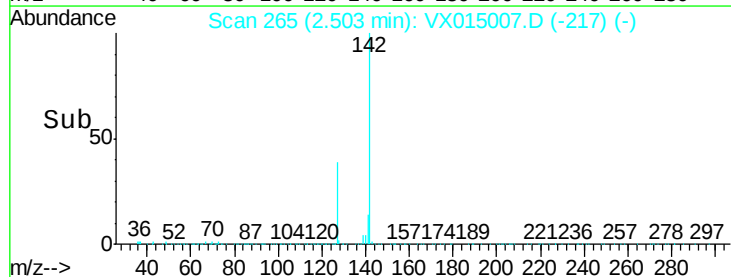
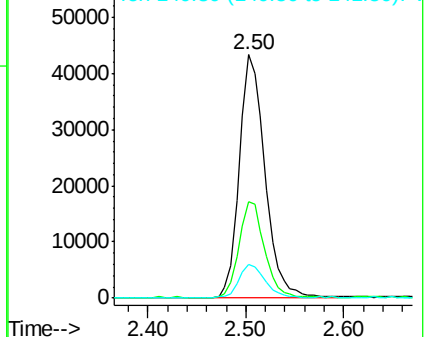
141 14.2 11.3 16.9

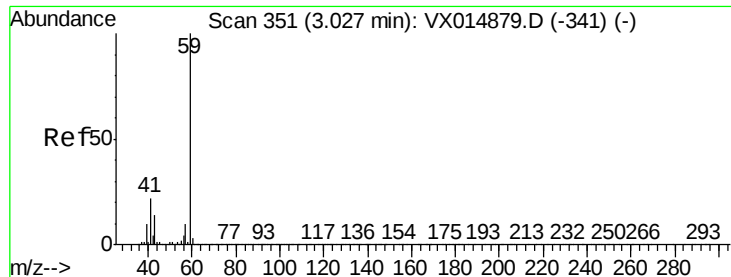


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



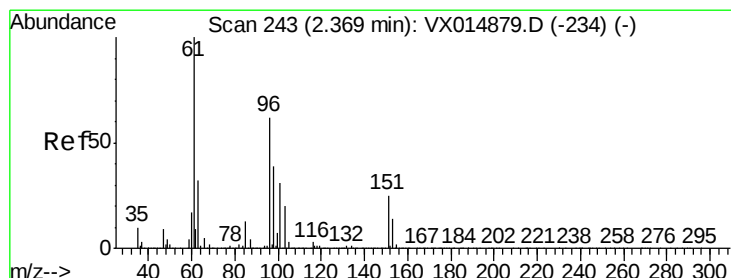
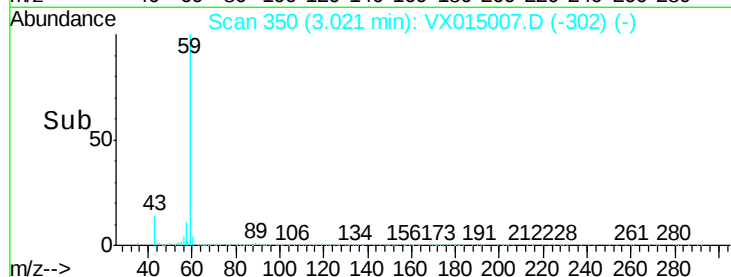
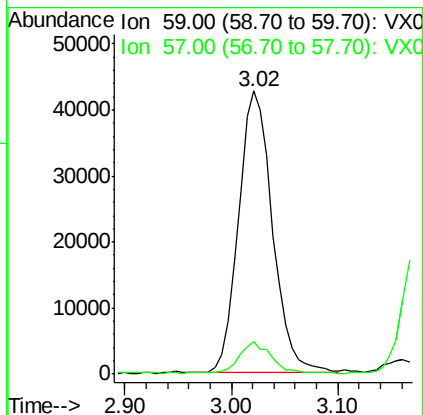
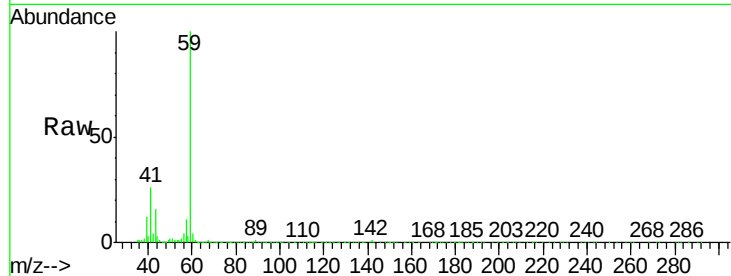


#11

Tert butyl alcohol  
 Concen: 107.79 ug/l  
 RT: 3.02 min Scan# 350  
 Delta R.T. -0.01 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

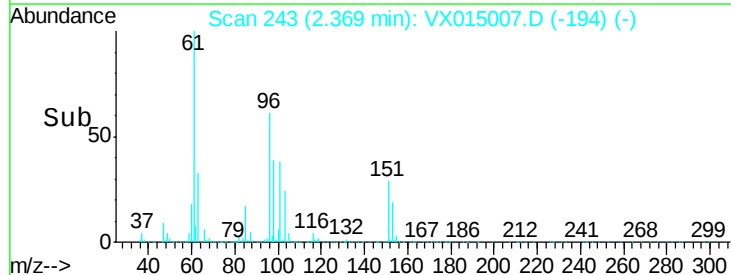
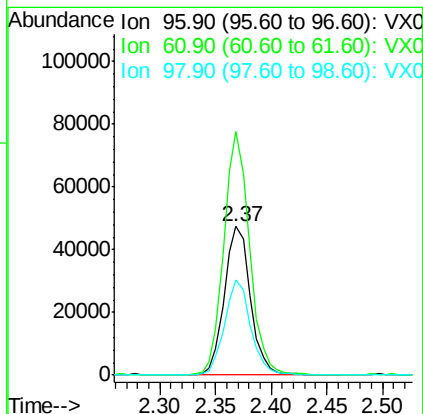
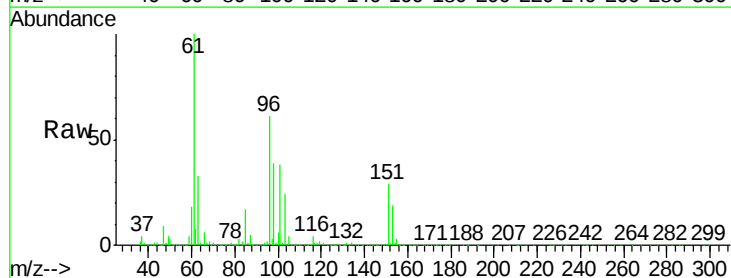
Tgt Ion: 59 Resp: 95994  
 Ion Ratio Lower Upper  
 59 100  
 57 9.8 8.2 12.4

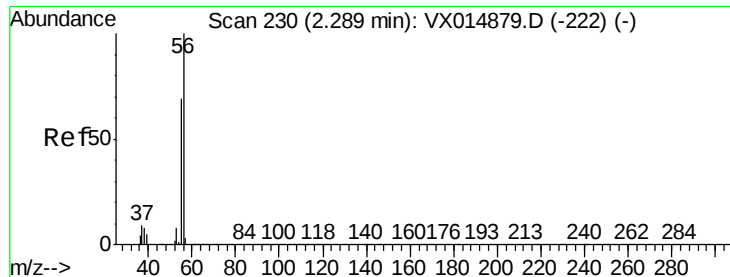


#12

1,1-Dichloroethene  
 Concen: 18.80 ug/l  
 RT: 2.37 min Scan# 243  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

Tgt Ion: 96 Resp: 77010  
 Ion Ratio Lower Upper  
 96 100  
 61 163.6 129.5 194.3  
 98 63.7 50.6 76.0





#13

Acrolein

Concen: 81.16 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

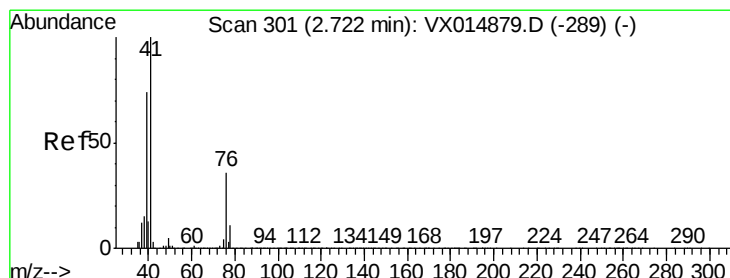
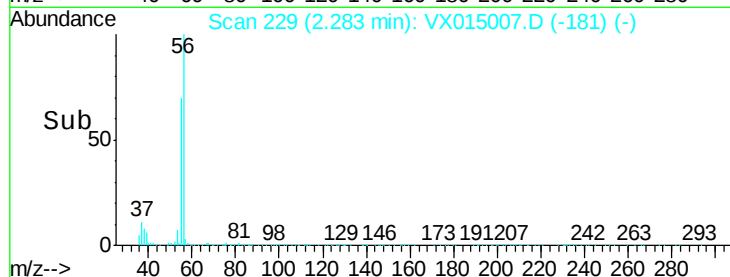
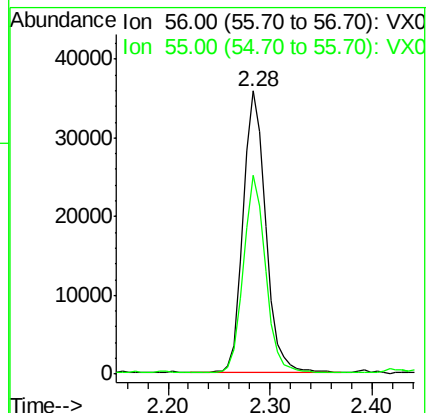
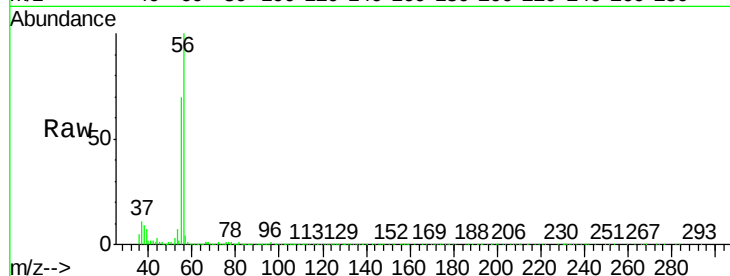
VX0226WBS01

Tgt Ion: 56 Resp: 55088

Ion Ratio Lower Upper

56 100

55 68.2 55.0 82.4



#14

Allyl chloride

Concen: 19.02 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

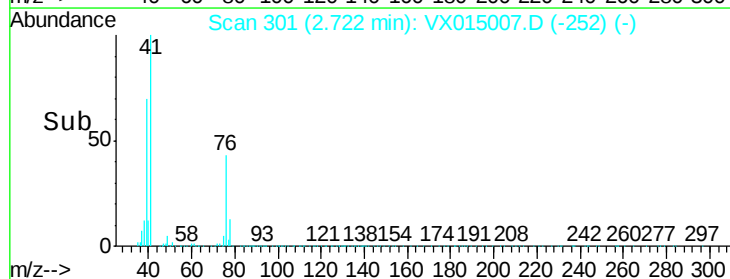
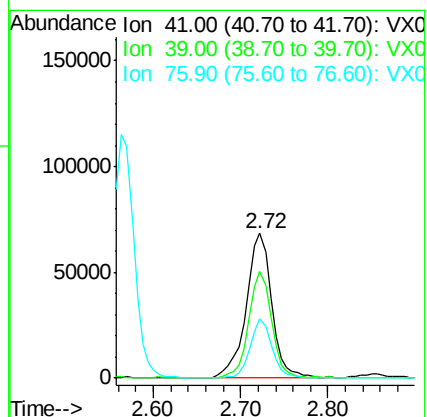
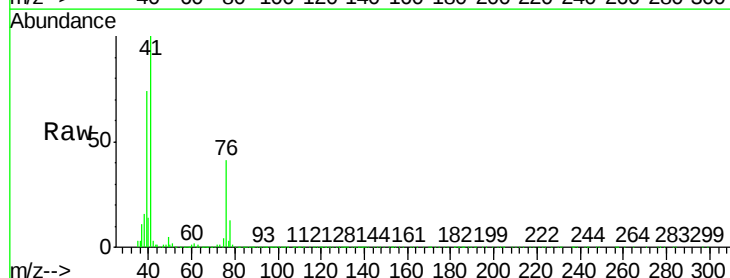
Tgt Ion: 41 Resp: 138158

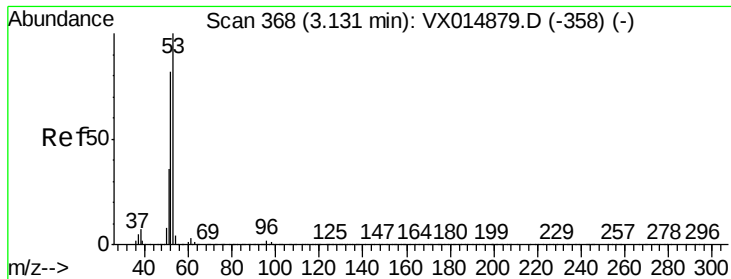
Ion Ratio Lower Upper

41 100

39 66.5 55.2 82.8

76 34.2 26.8 40.2





#15

Acrylonitrile

Concen: 106.47 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

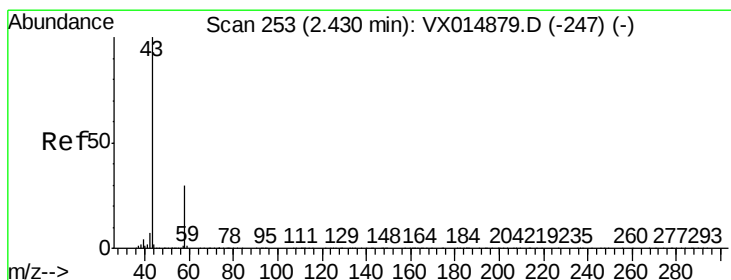
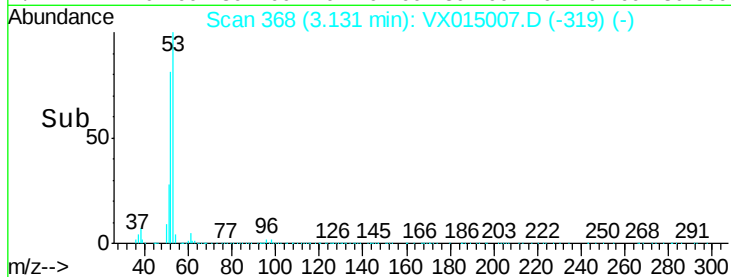
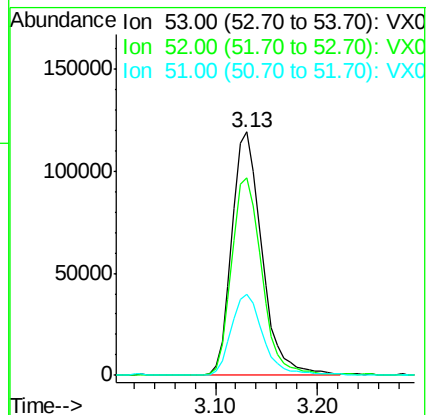
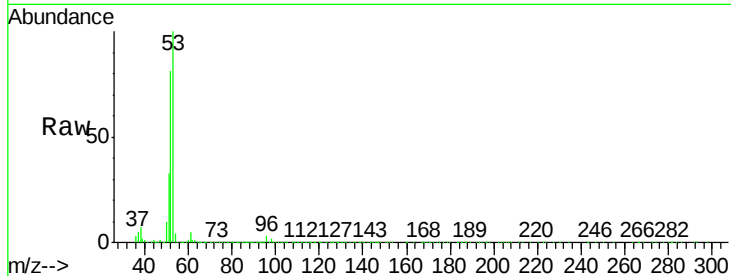
Tgt Ion: 53 Resp: 240370

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.6

51 36.0 29.1 43.7



#16

Acetone

Concen: 85.12 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015007.D

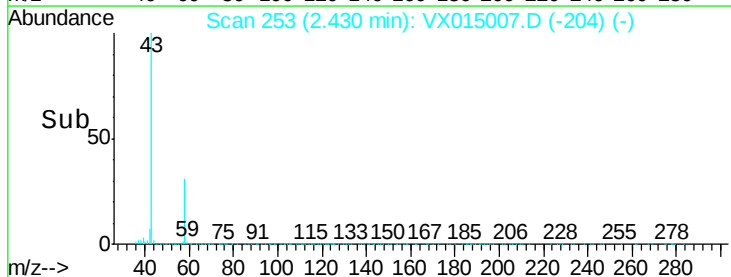
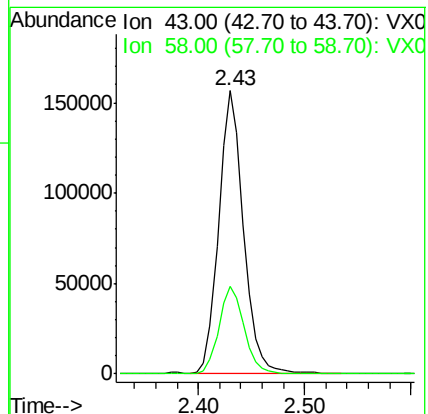
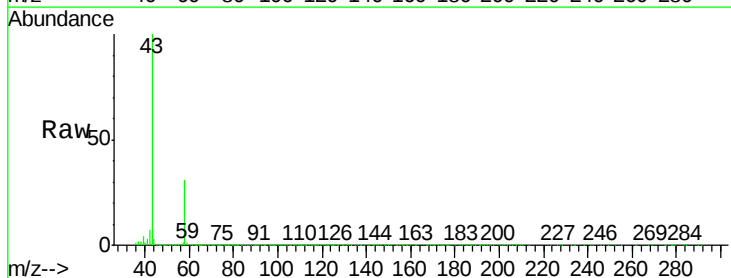
Acq: 26 Feb 2020 09:55

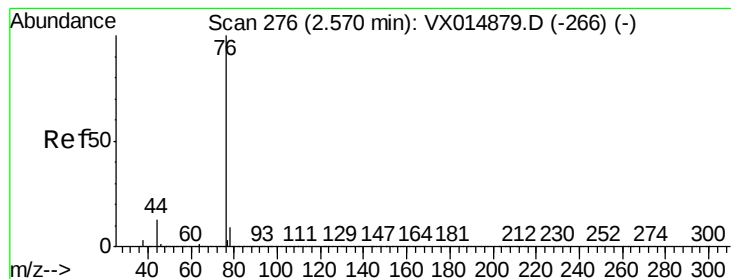
Tgt Ion: 43 Resp: 250160

Ion Ratio Lower Upper

43 100

58 31.0 24.1 36.1





#17

Carbon Disulfide

Concen: 16.62 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

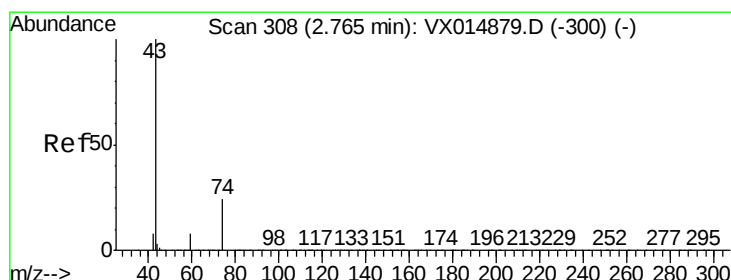
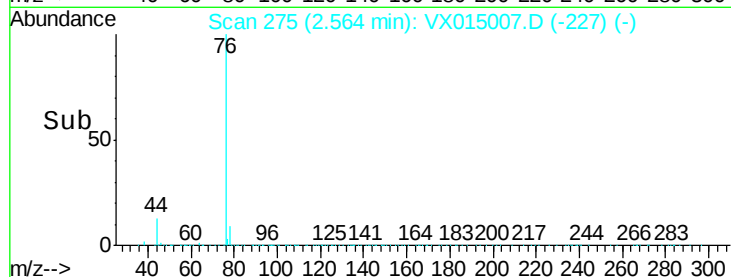
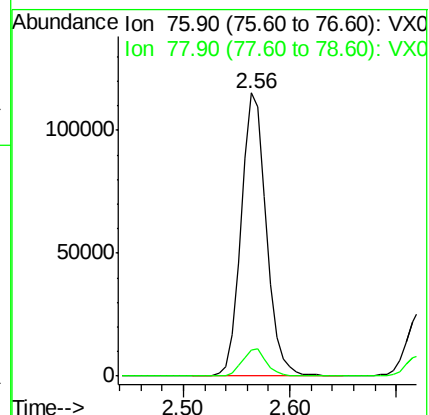
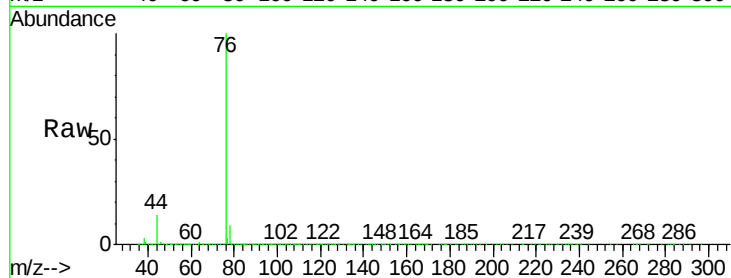
VX0226WBS01

Tgt Ion: 76 Resp: 190276

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



#18

Methyl Acetate

Concen: 22.97 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX015007.D

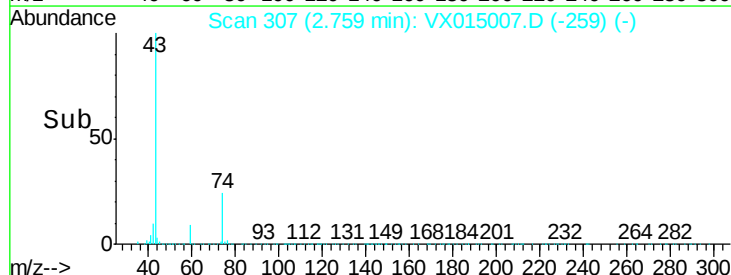
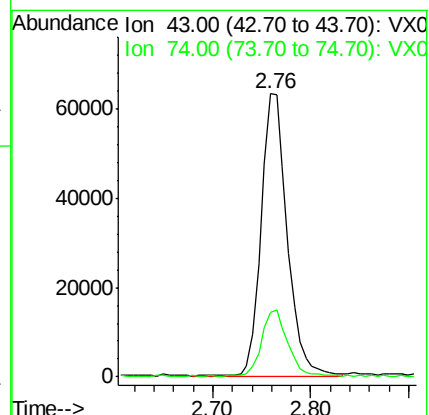
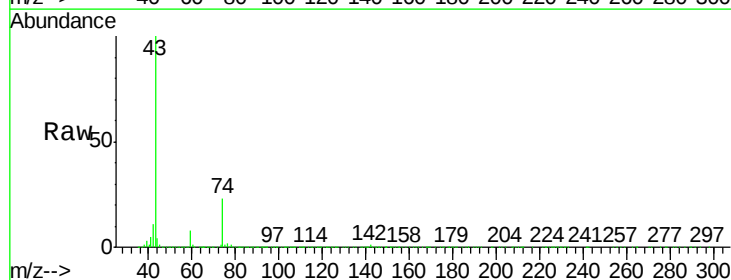
Acq: 26 Feb 2020 09:55

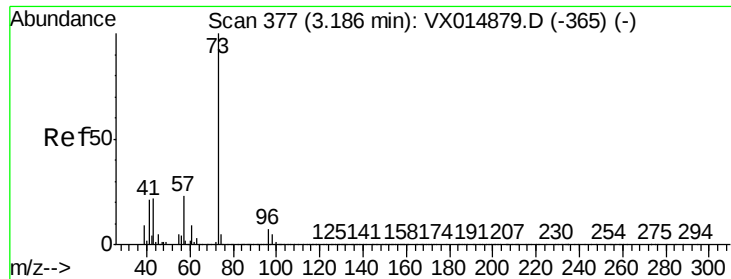
Tgt Ion: 43 Resp: 116695

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.0

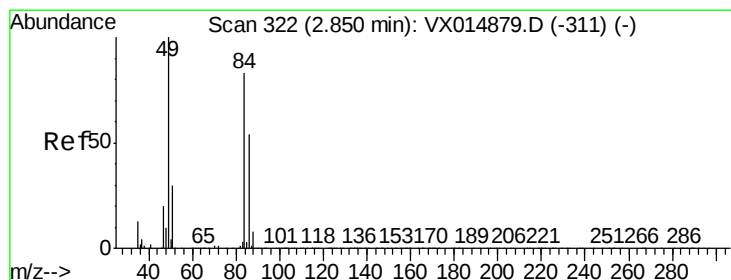
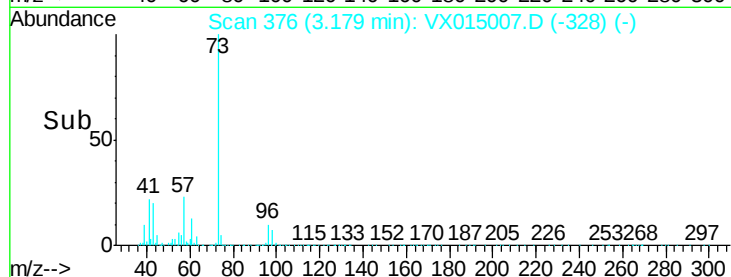
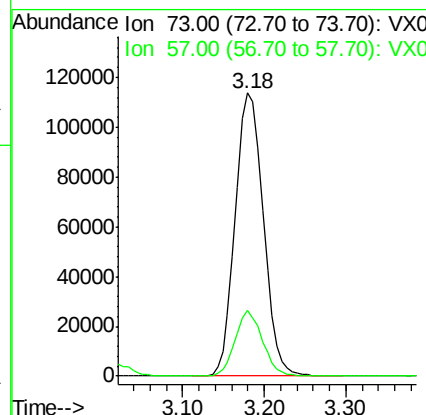
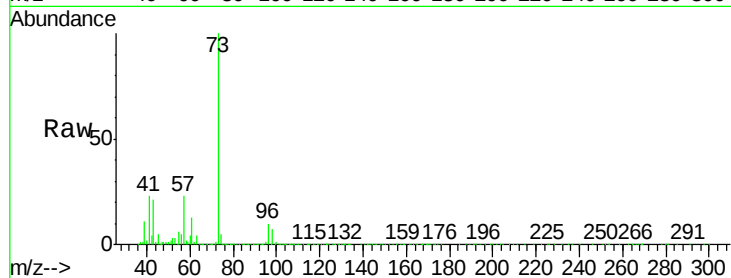




#19  
Methyl tert-butyl Ether  
Concen: 20.35 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

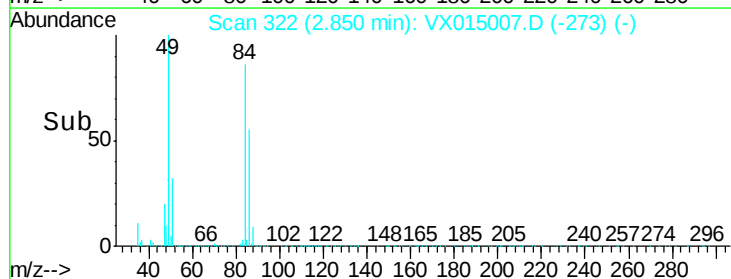
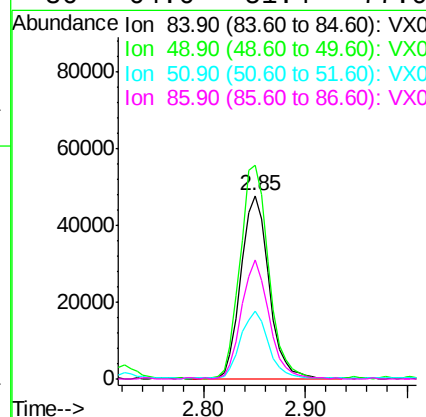
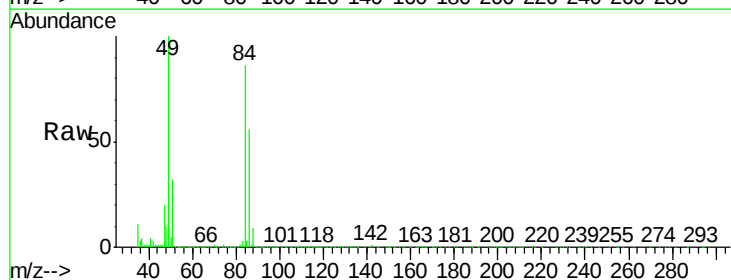
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

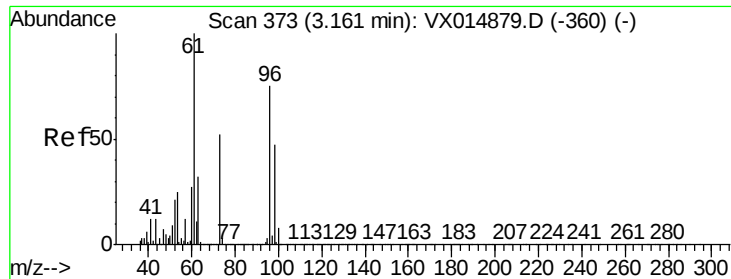
Tgt Ion: 73 Resp: 271318  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.2 27.4



#20  
Methylene Chloride  
Concen: 18.70 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. -0.00 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Tgt Ion: 84 Resp: 90734  
Ion Ratio Lower Upper  
84 100  
49 116.3 95.6 143.4  
51 36.7 29.0 43.6  
86 64.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.33 ug/l

RT: 3.16 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

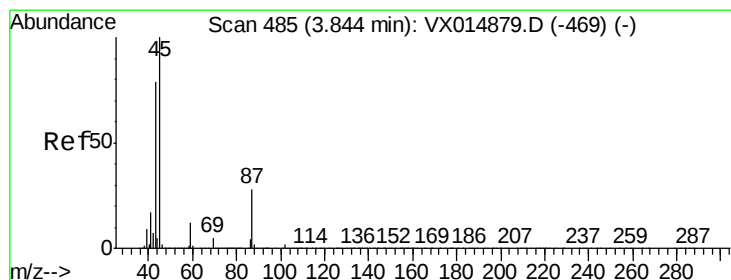
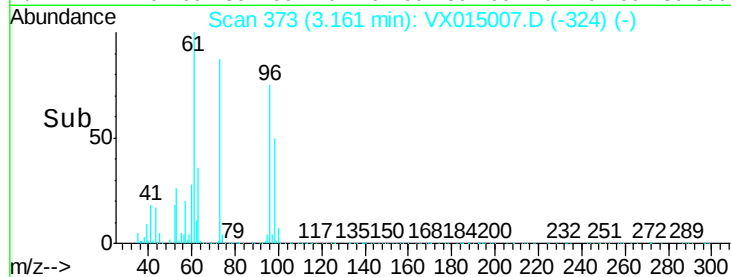
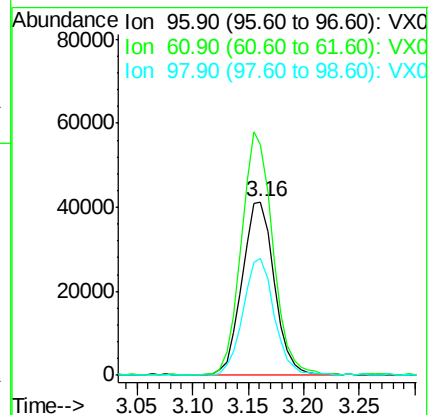
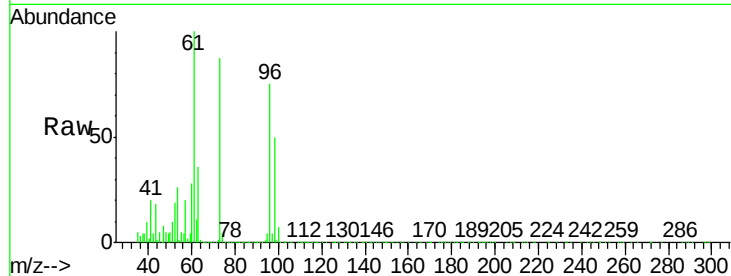
Tgt Ion: 96 Resp: 82868

Ion Ratio Lower Upper

96 100

61 133.4 106.9 160.3

98 67.3 50.7 76.1



#22

Diisopropyl ether

Concen: 20.80 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Tgt Ion: 45 Resp: 288471

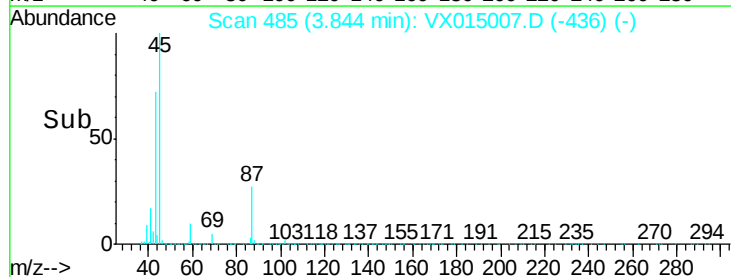
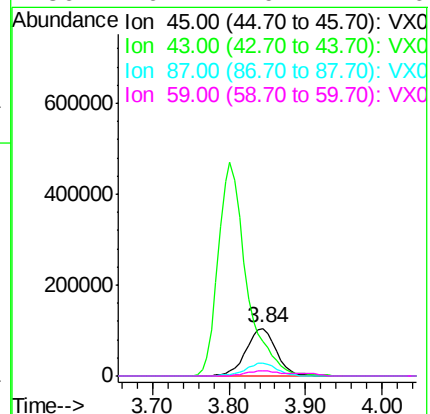
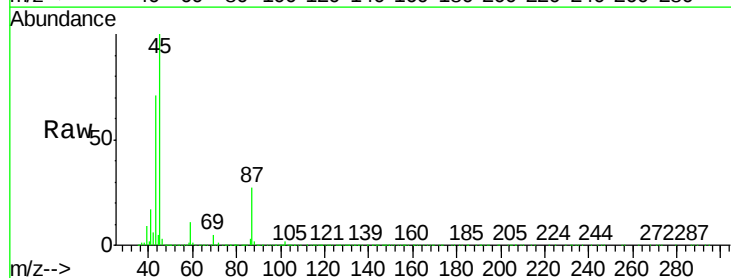
Ion Ratio Lower Upper

45 100

43 70.8 63.5 95.3

87 26.6 22.2 33.4

59 10.4 9.4 14.0





#23

Vinyl Acetate

Concen: 105.11 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampled :

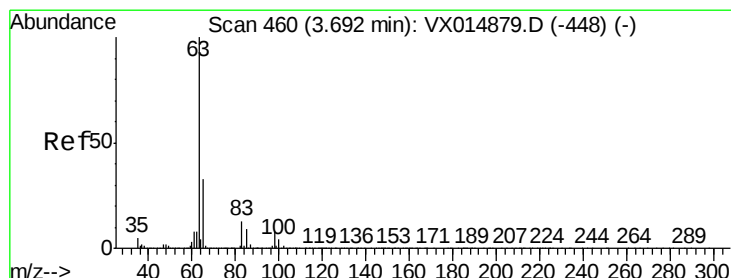
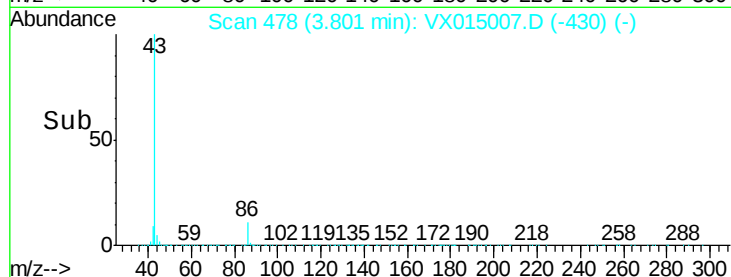
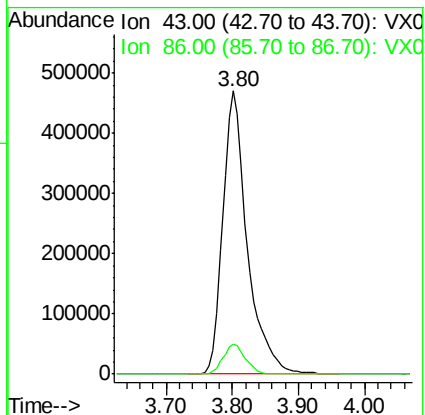
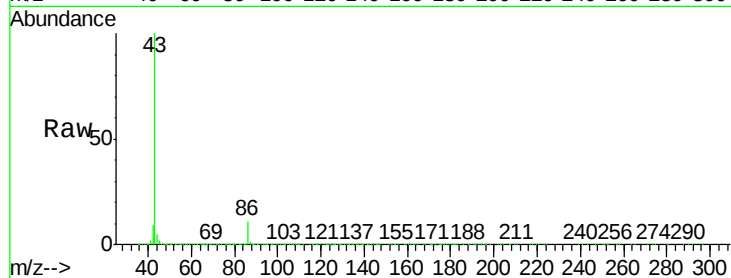
VX0226WBS01

Tgt Ion: 43 Resp: 1201933

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.72 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

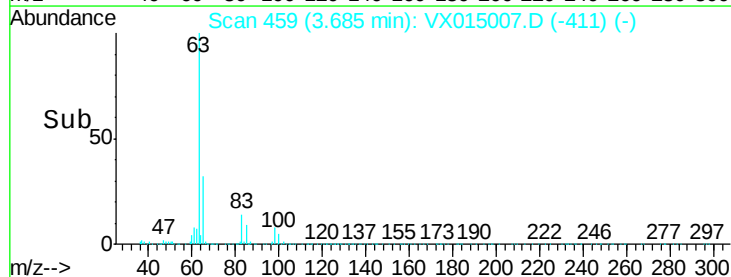
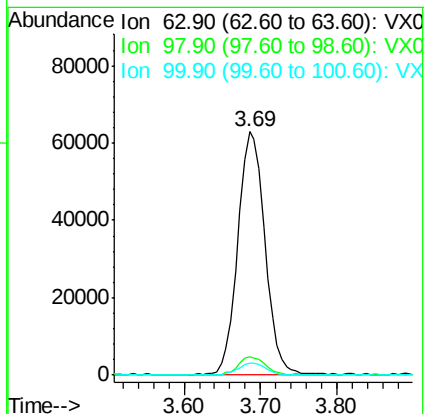
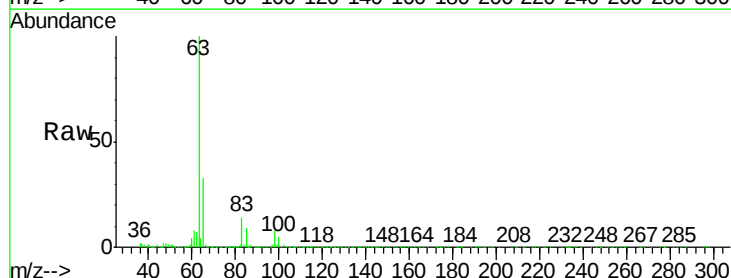
Tgt Ion: 63 Resp: 154381

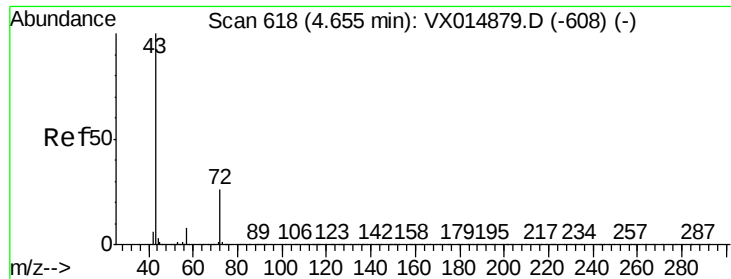
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 101.13 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampled :

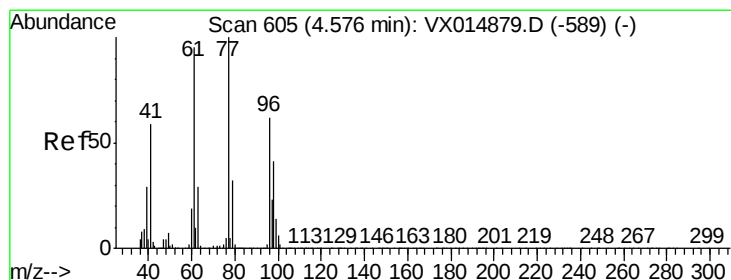
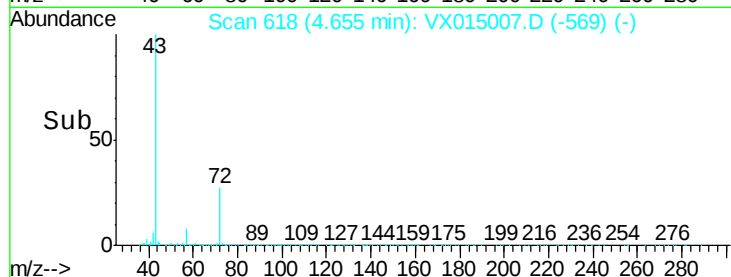
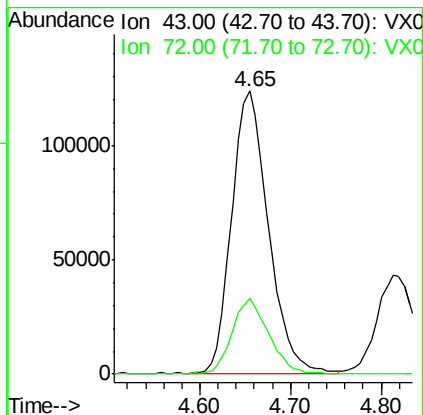
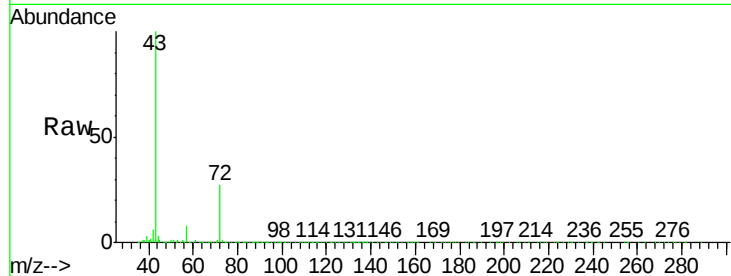
VX0226WBS01

Tgt Ion: 43 Resp: 347243

Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 18.80 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015007.D

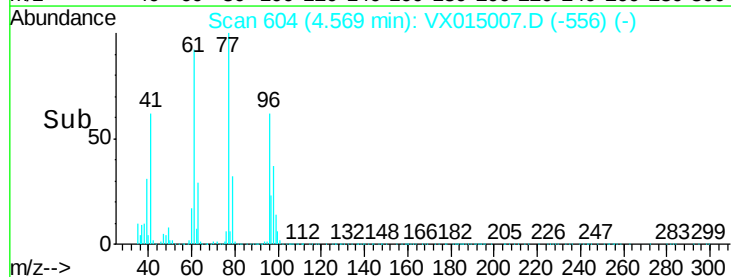
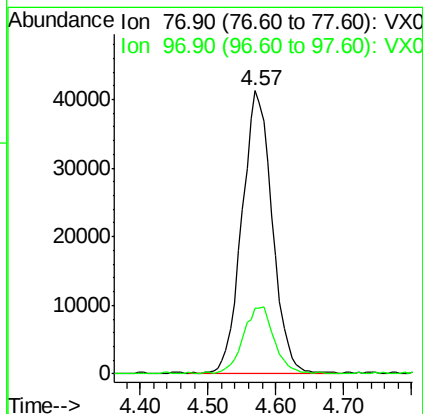
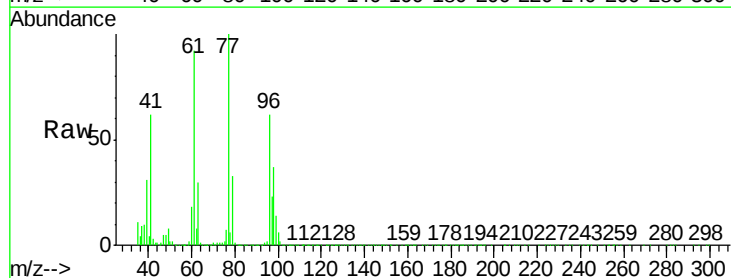
Acq: 26 Feb 2020 09:55

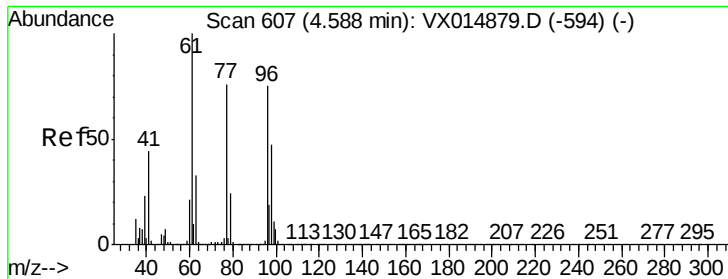
Tgt Ion: 77 Resp: 126818

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.5



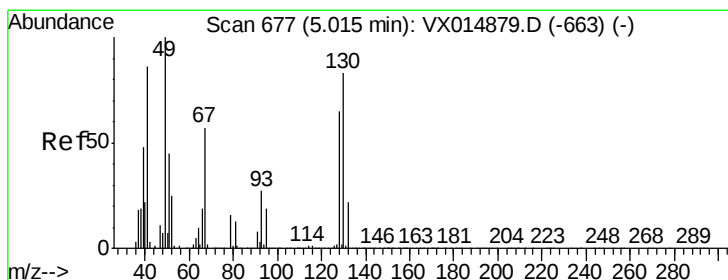
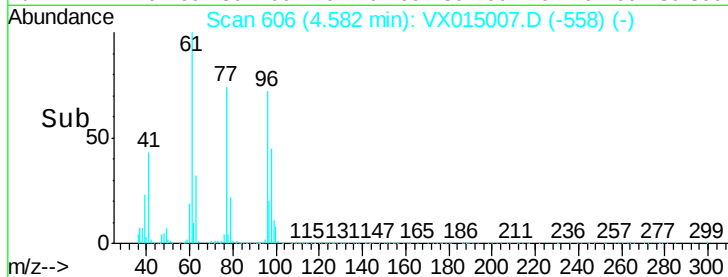
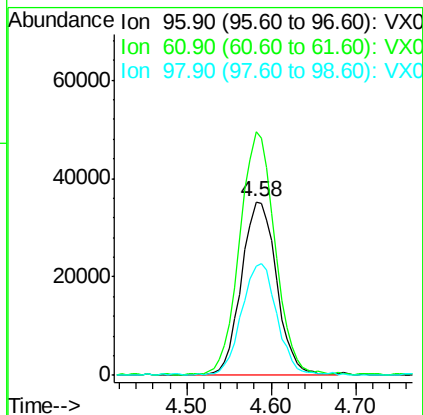
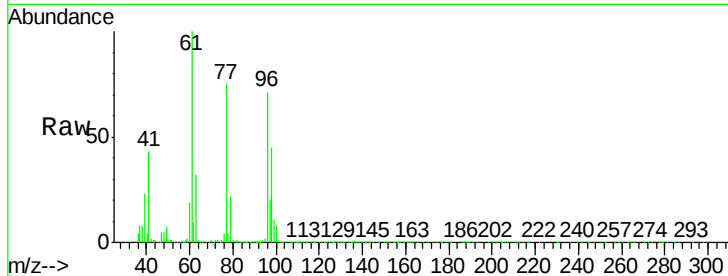


#27

cis-1,2-Dichloroethene  
Concen: 19.64 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

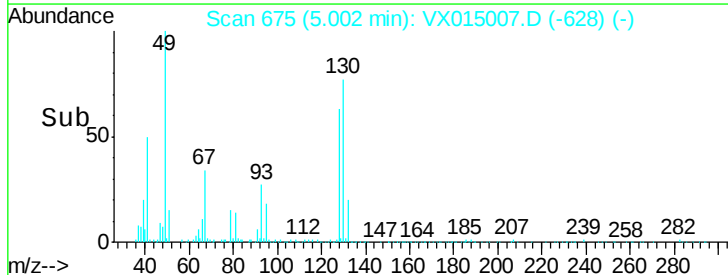
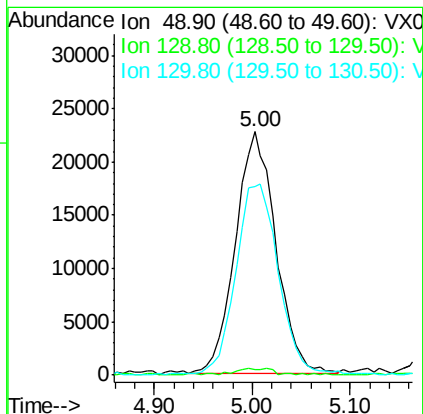
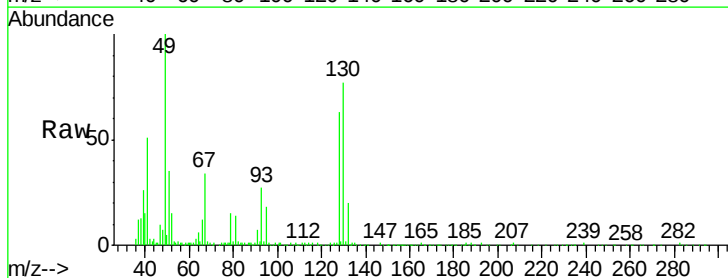
Tgt Ion: 96 Resp: 99231  
Ion Ratio Lower Upper  
96 100  
61 141.8 0.0 286.2  
98 64.1 0.0 131.0

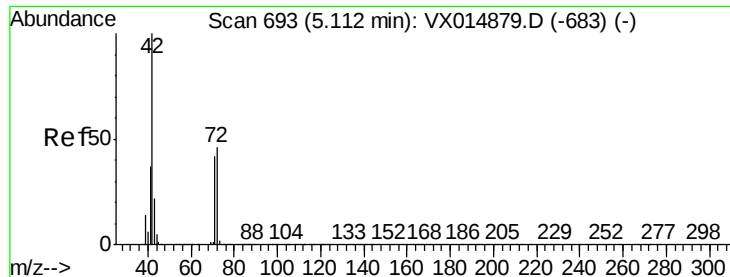


#28

Bromochloromethane  
Concen: 21.25 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Tgt Ion: 49 Resp: 64486  
Ion Ratio Lower Upper  
49 100  
129 2.5 0.0 5.2  
130 84.9 67.4 101.2





#29

Tetrahydrofuran

Concen: 108.32 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

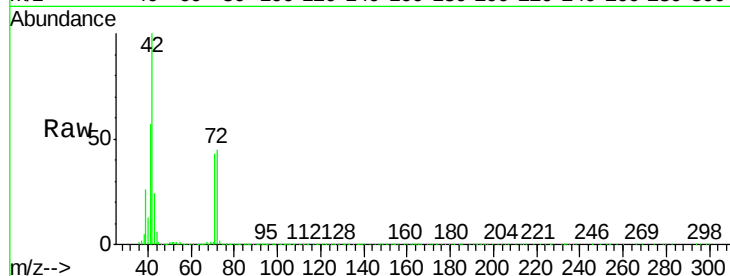
Tgt Ion: 42 Resp: 211448

Ion Ratio Lower Upper

42 100

72 45.9 36.9 55.3

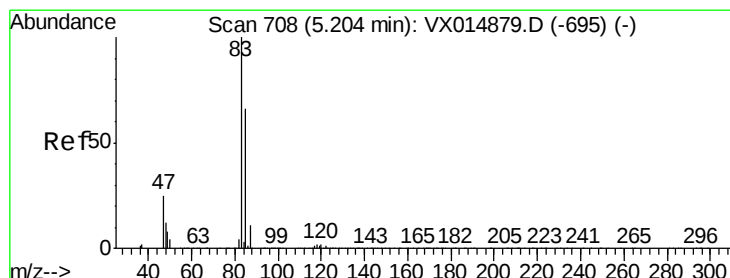
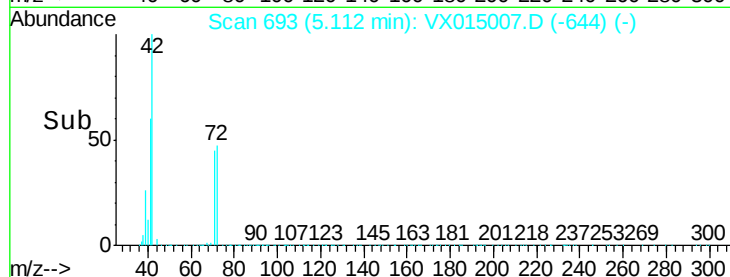
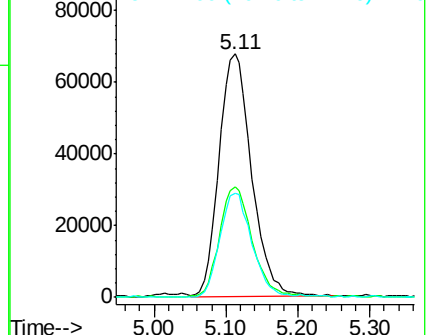
71 42.7 34.1 51.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.02 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX015007.D

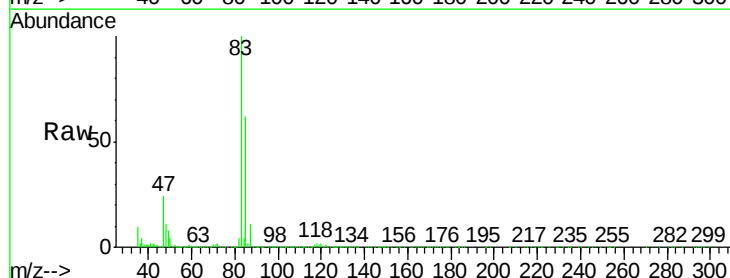
Acq: 26 Feb 2020 09:55

Tgt Ion: 83 Resp: 155507

Ion Ratio Lower Upper

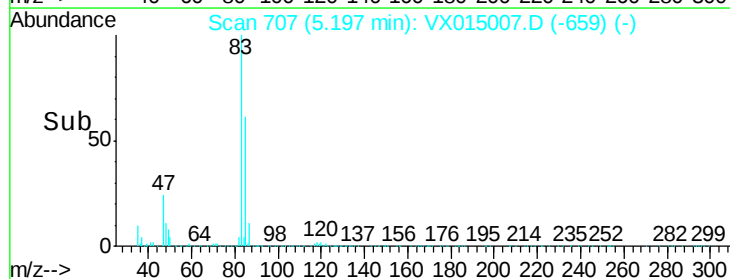
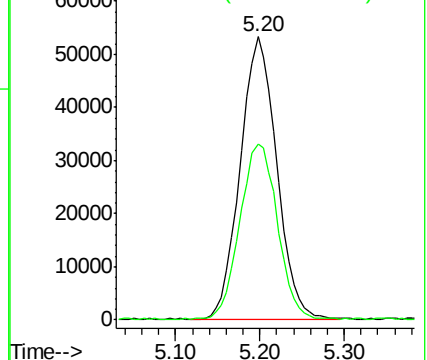
83 100

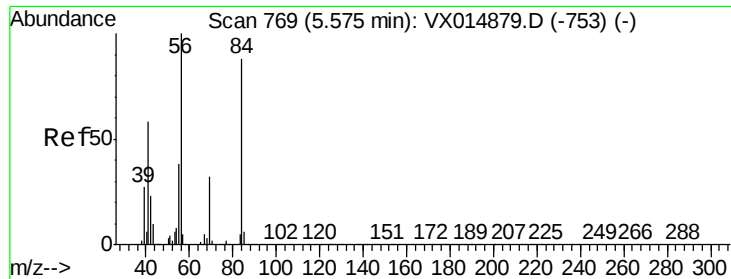
85 61.8 52.9 79.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

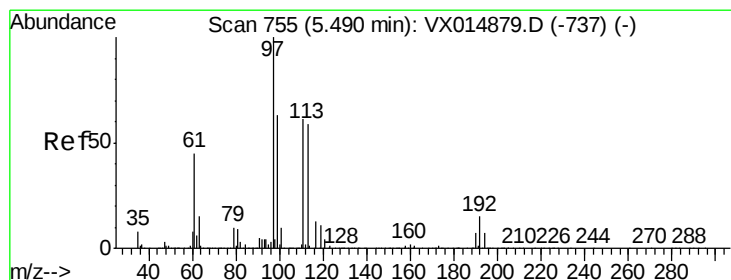
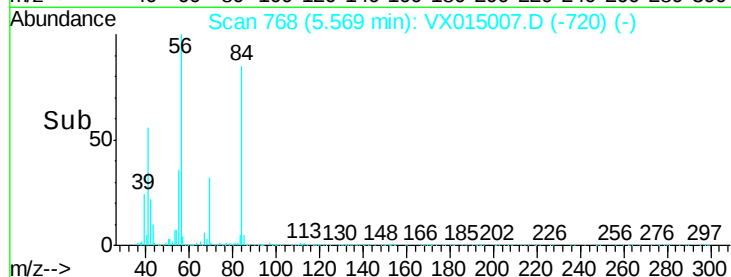
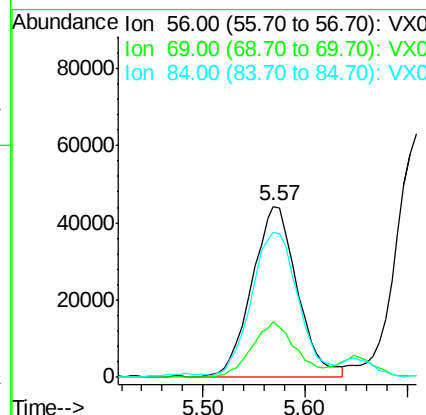
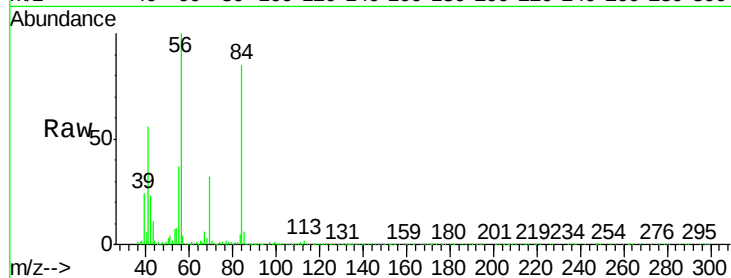




#31  
Cyclohexane  
Concen: 19.27 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

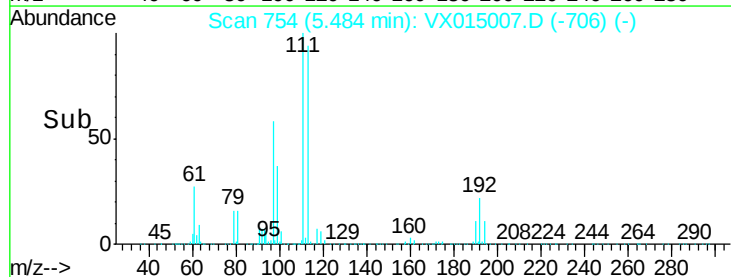
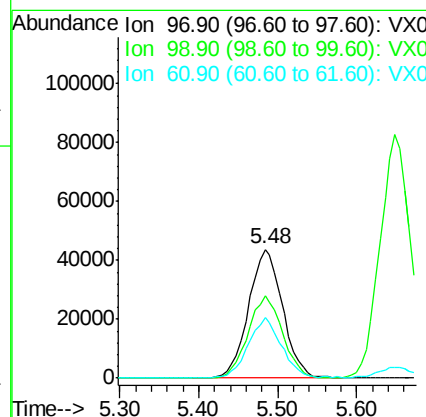
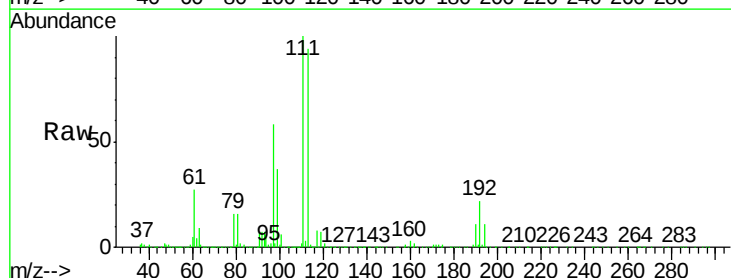
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

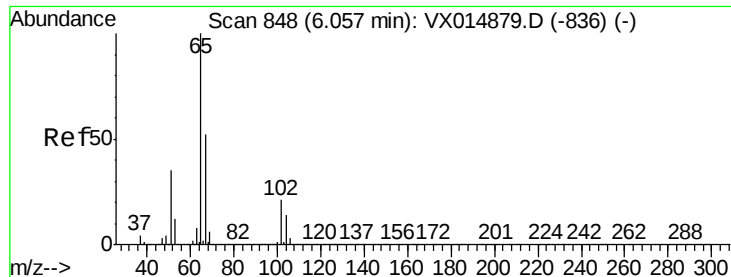
Tgt Ion: 56 Resp: 137368  
Ion Ratio Lower Upper  
56 100  
69 32.2 25.9 38.9  
84 83.6 70.4 105.6



#32  
1,1,1-Trichloroethane  
Concen: 19.16 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Tgt Ion: 97 Resp: 130148  
Ion Ratio Lower Upper  
97 100  
99 65.3 51.0 76.6  
61 46.5 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 48.61 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

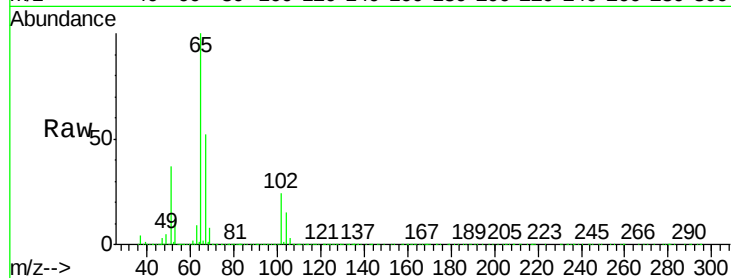
VX0226WBS01

Tgt Ion: 65 Resp: 245164

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

100000

80000

60000

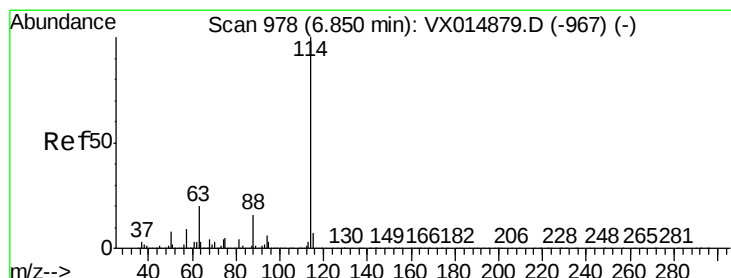
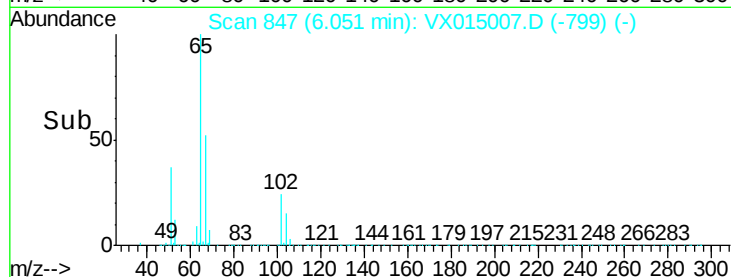
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

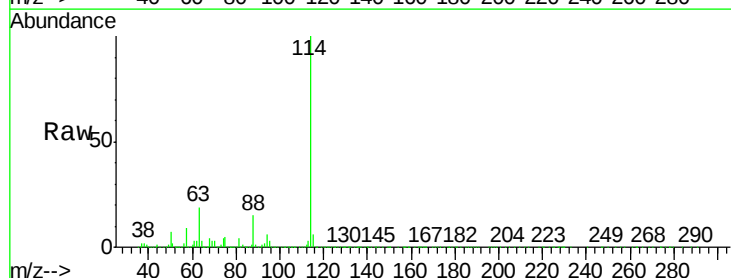
Tgt Ion: 114 Resp: 667809

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

88 15.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

400000

300000

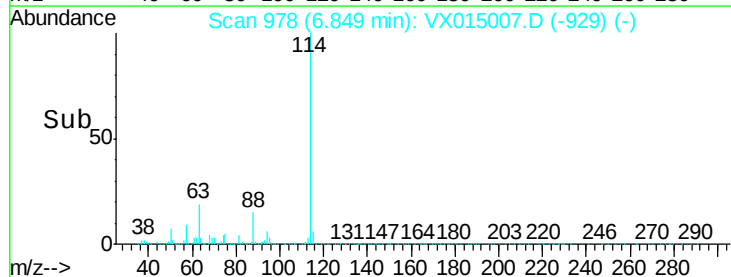
200000

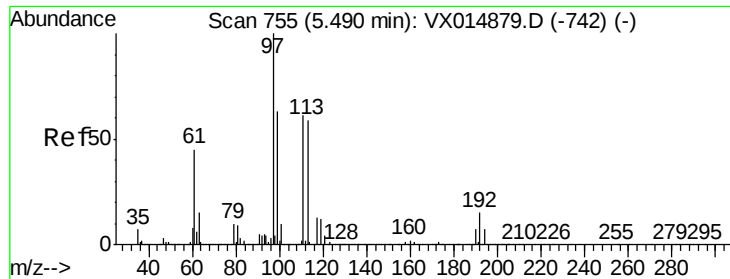
100000

0

Time-->

6.70 6.80 6.90 7.00

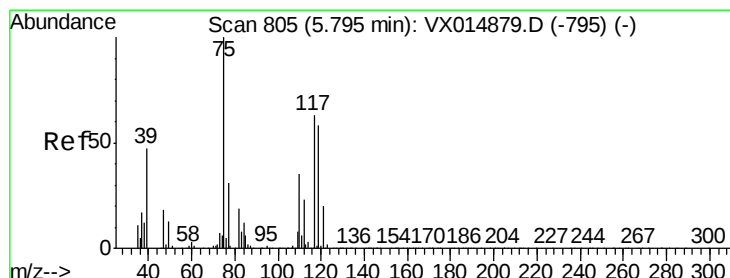
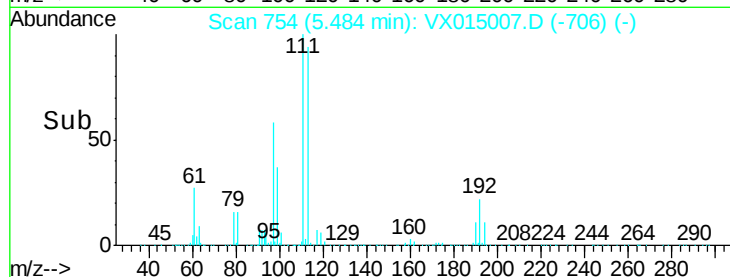
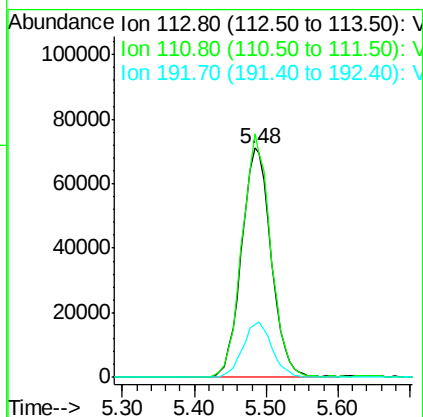
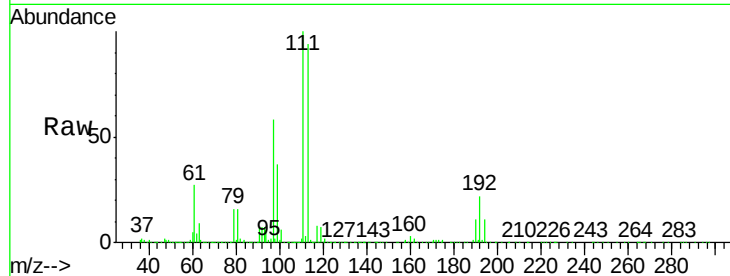




#35  
Dibromofluoromethane  
Concen: 49.57 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

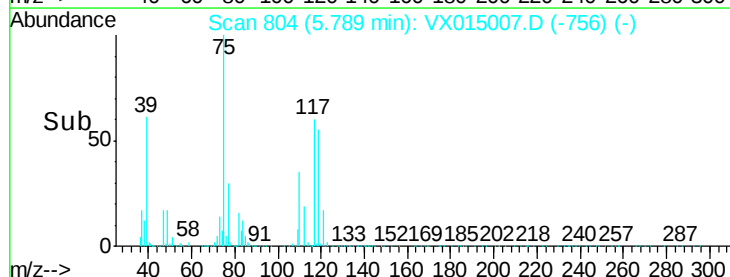
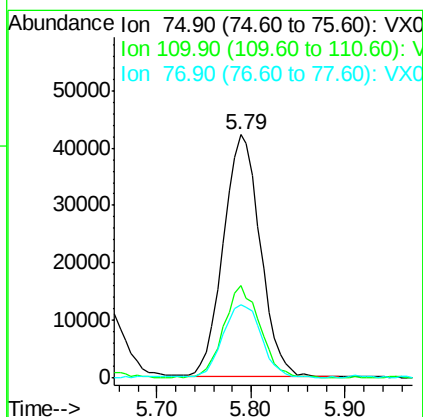
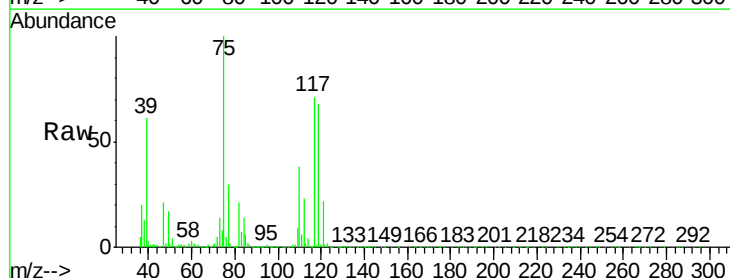
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

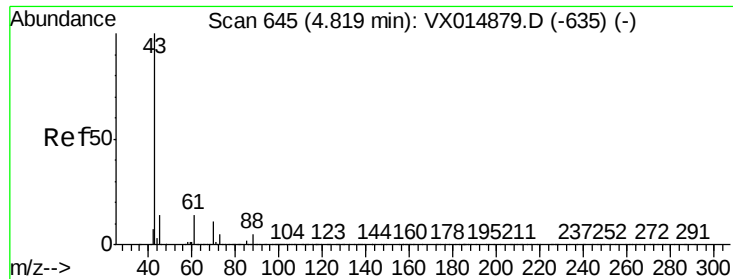
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 82.4  | 123.6 |
| 192     | 23.9  | 19.1  | 28.7  |



#36  
1,1-Dichloropropene  
Concen: 19.26 ug/l  
RT: 5.79 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.0  | 18.3  | 54.8  |
| 77      | 31.4  | 24.6  | 36.8  |

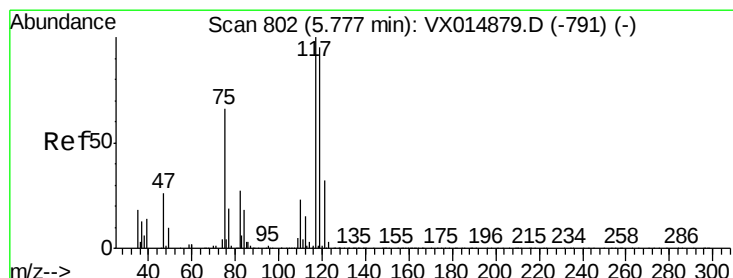
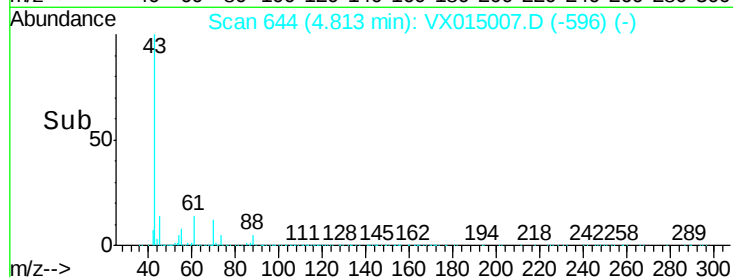
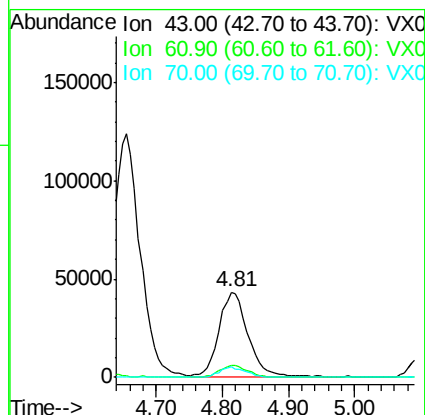
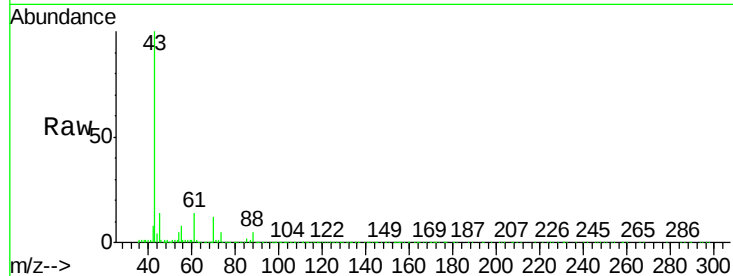




#37  
Ethyl Acetate  
Concen: 20.91 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

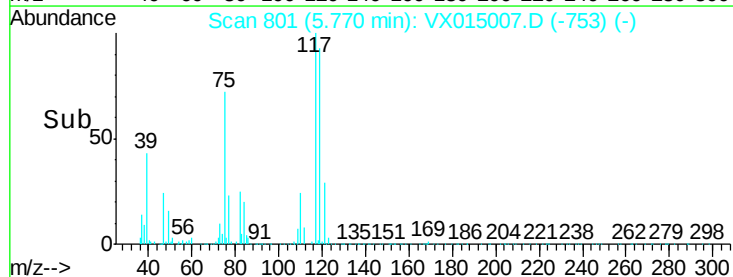
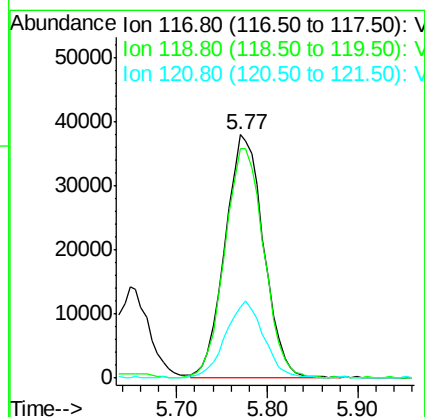
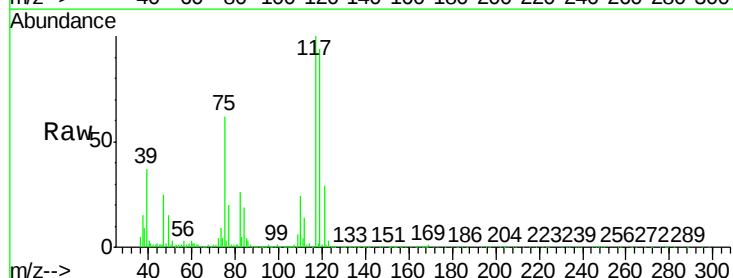
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

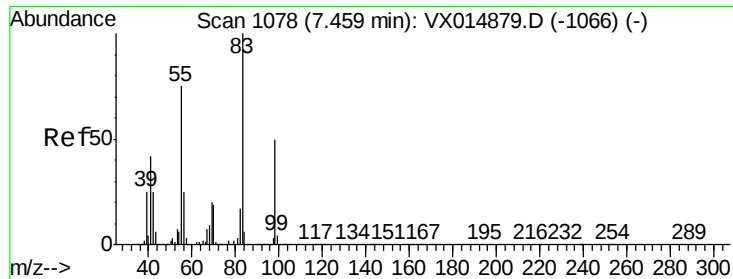
Tgt Ion: 43 Resp: 130299  
Ion Ratio Lower Upper  
43 100  
61 13.0 10.9 16.3  
70 11.4 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 19.09 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Tgt Ion: 117 Resp: 111147  
Ion Ratio Lower Upper  
117 100  
119 94.1 76.0 114.0  
121 28.6 25.4 38.2

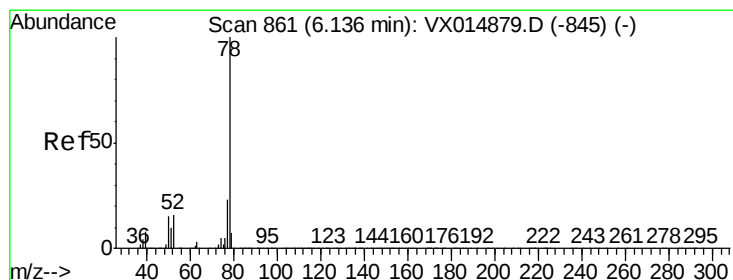
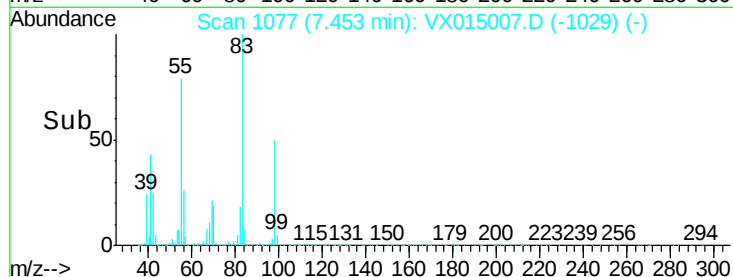
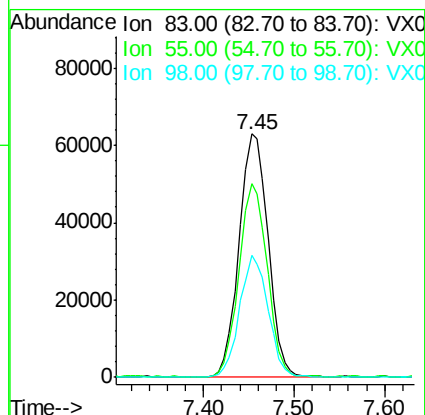
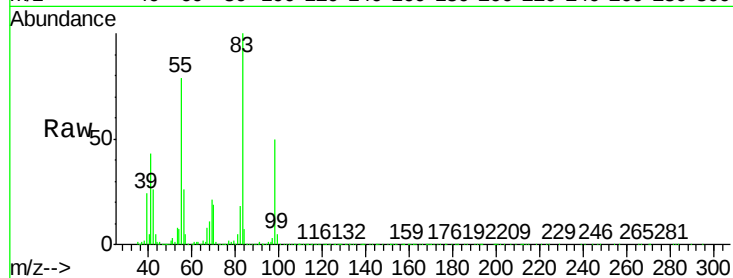




#39  
Methylcyclohexane  
Concen: 18.71 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

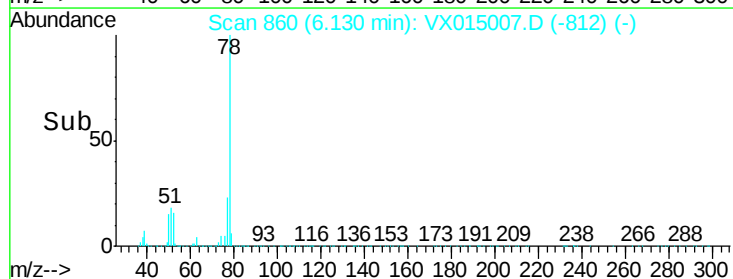
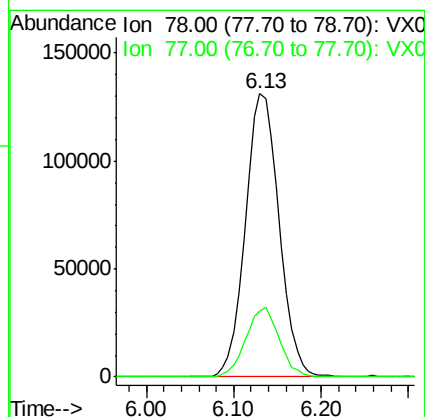
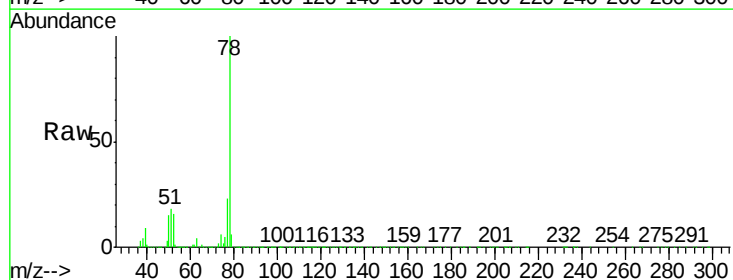
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

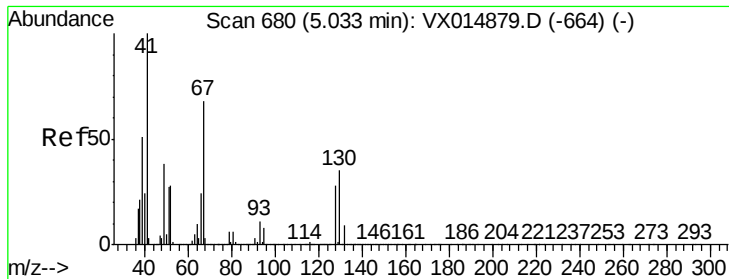
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.3  | 60.0  | 90.0  |
| 98      | 49.9  | 39.6  | 59.4  |



#40  
Benzene  
Concen: 19.58 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.9  | 18.8  | 28.2  |

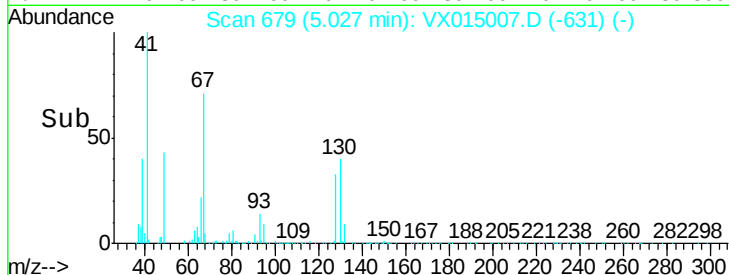
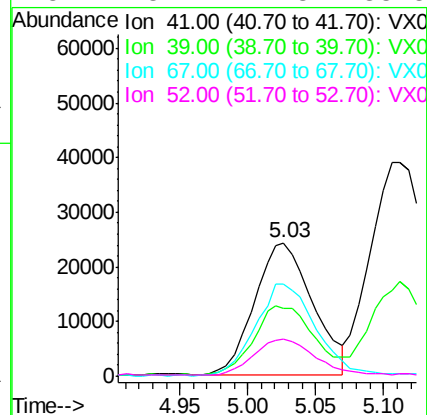
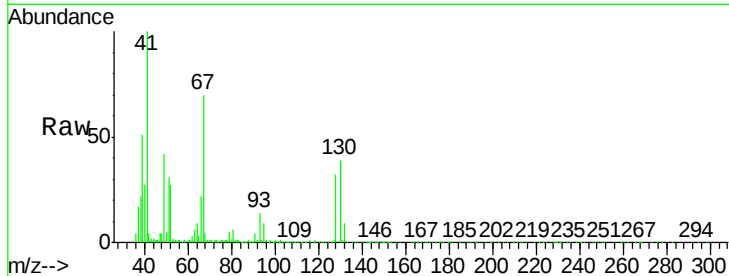




#41  
Methacrylonitrile  
Concen: 21.55 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

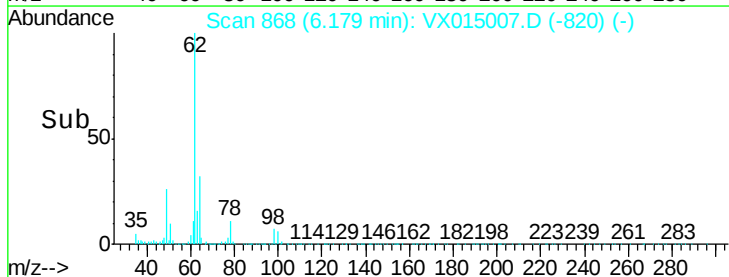
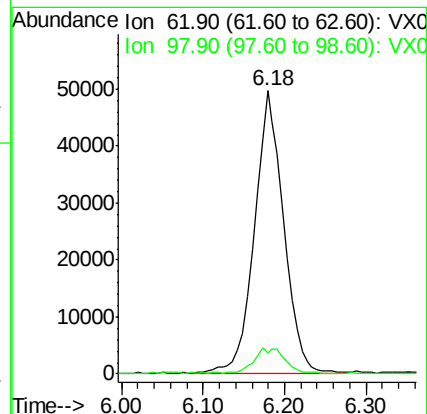
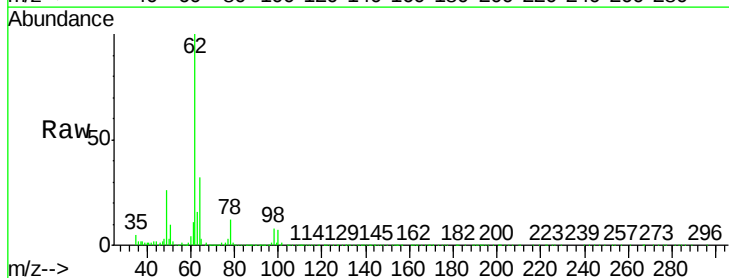
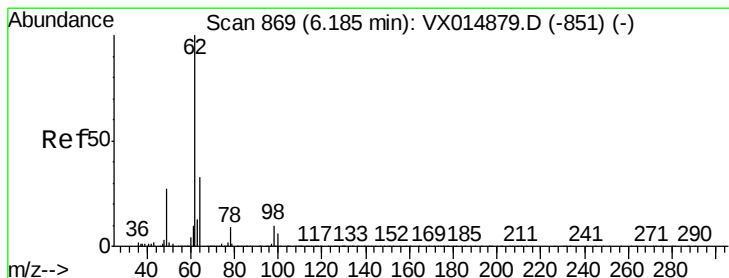
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

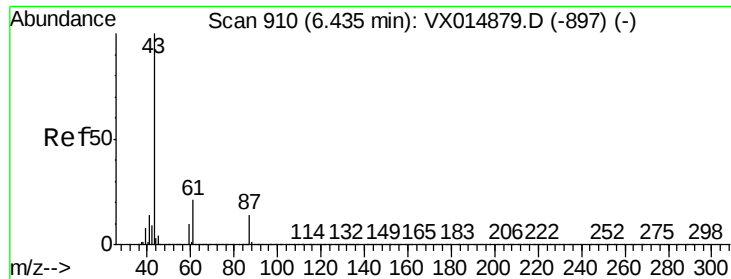
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 72335 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.5  | 44.7  | 67.1  |
| 67       | 71.8  | 56.6  | 84.8  |
| 52       | 28.7  | 22.3  | 33.5  |



#42  
1,2-Dichloroethane  
Concen: 19.14 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 123497 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.8   | 0.0   | 19.2   |





#43

Isopropyl Acetate

Concen: 20.43 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampled :

VX0226WBS01

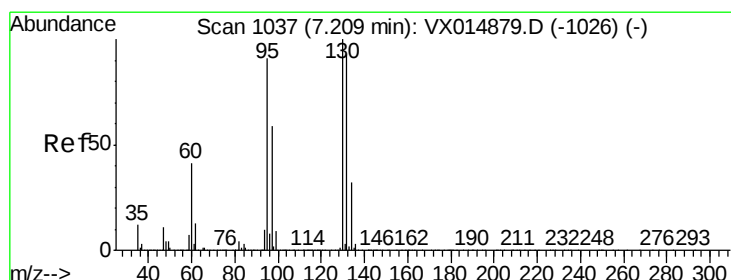
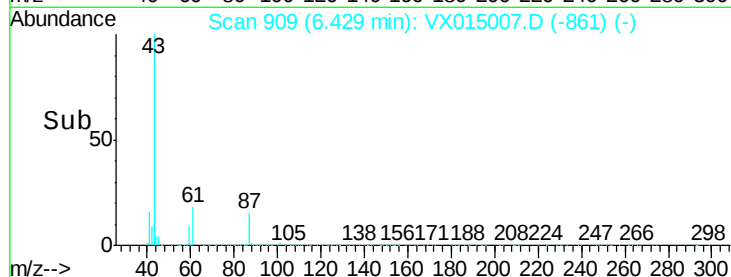
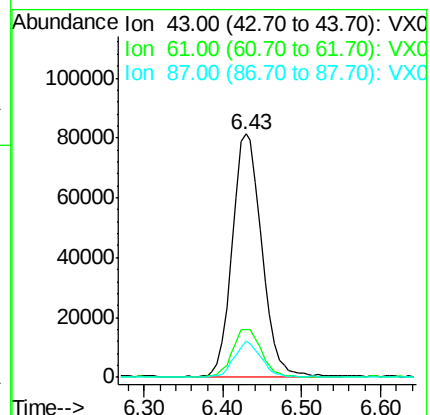
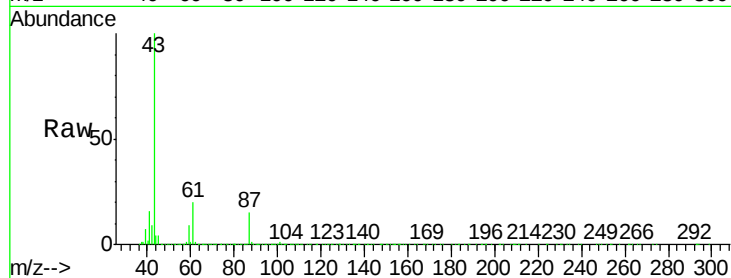
Tgt Ion: 43 Resp: 209930

Ion Ratio Lower Upper

43 100

61 19.4 16.2 24.4

87 13.3 11.0 16.6



#44

Trichloroethene

Concen: 18.54 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015007.D

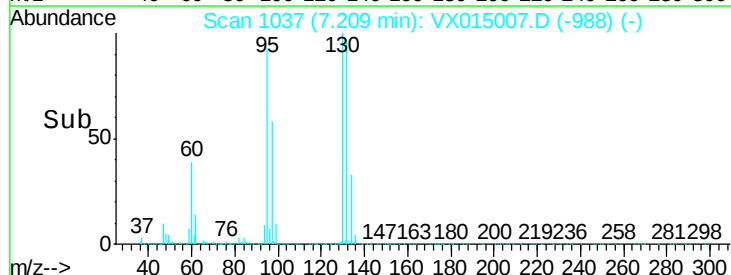
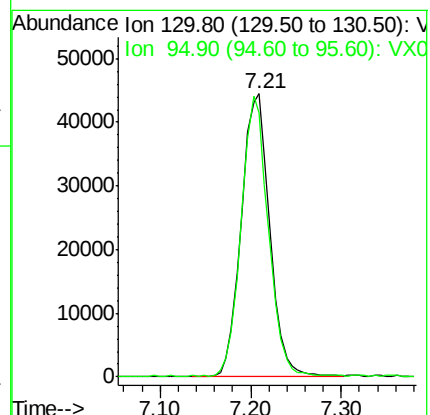
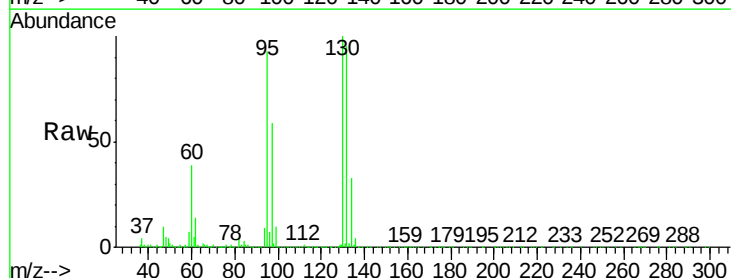
Acq: 26 Feb 2020 09:55

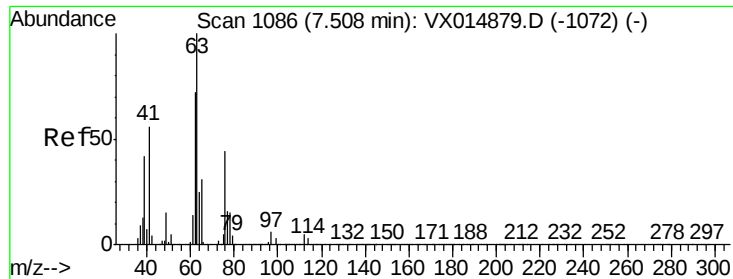
Tgt Ion: 130 Resp: 96078

Ion Ratio Lower Upper

130 100

95 93.2 0.0 182.6

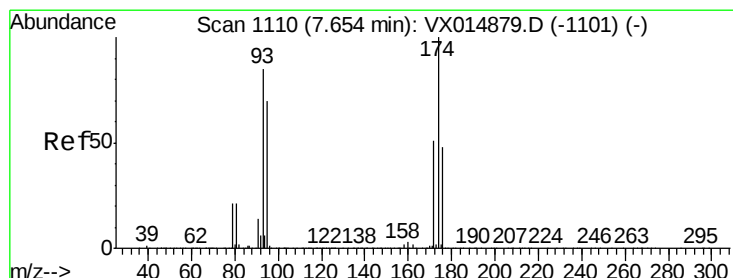
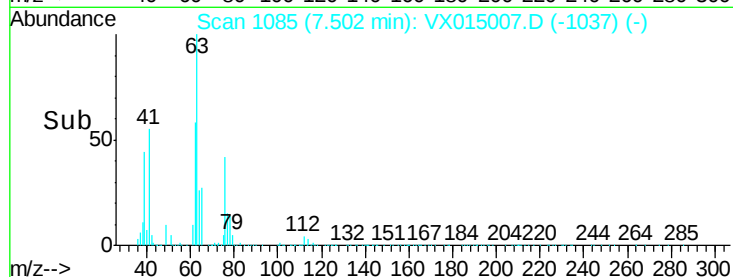
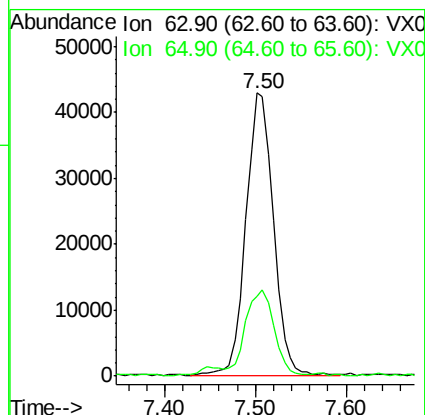
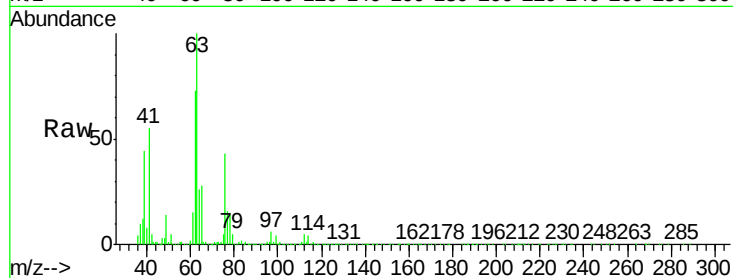




#45  
 1,2-Dichloropropane  
 Concen: 19.76 ug/l  
 RT: 7.50 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

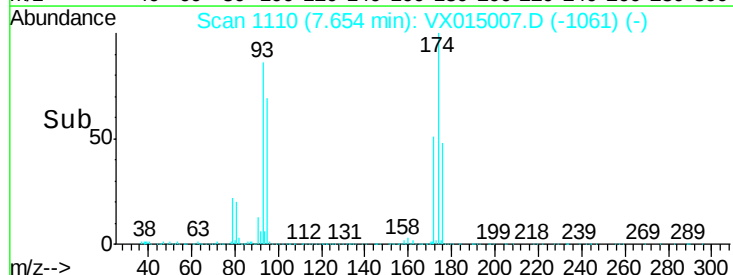
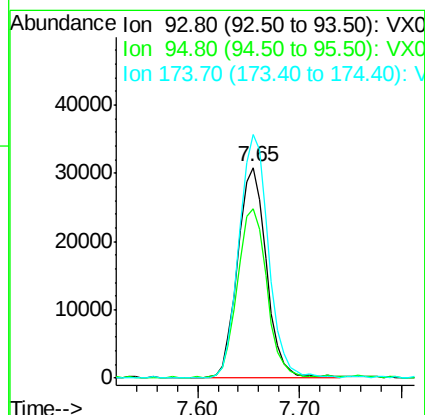
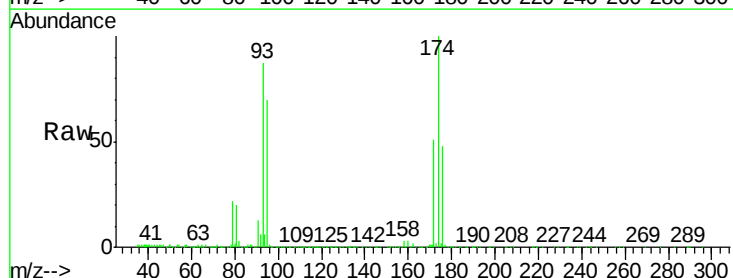
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

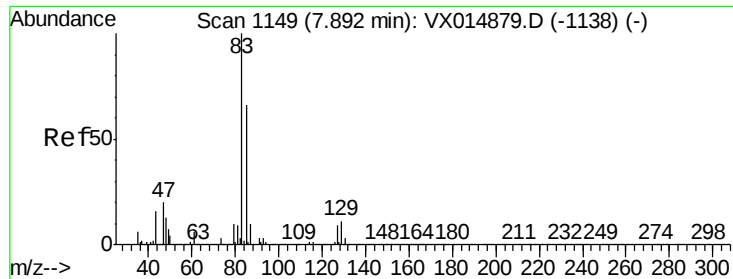
Tgt Ion: 63 Resp: 89928  
 Ion Ratio Lower Upper  
 63 100  
 65 27.6 24.9 37.3



#46  
 Dibromomethane  
 Concen: 19.19 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

Tgt Ion: 93 Resp: 59697  
 Ion Ratio Lower Upper  
 93 100  
 95 82.0 65.8 98.8  
 174 119.7 95.4 143.2





#47

Bromodichloromethane

Concen: 19.70 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

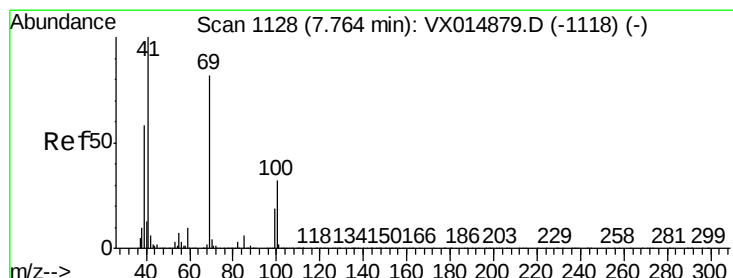
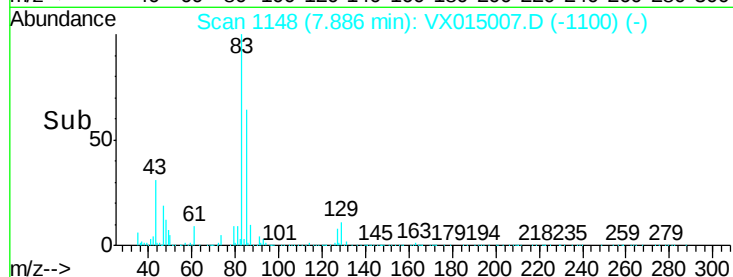
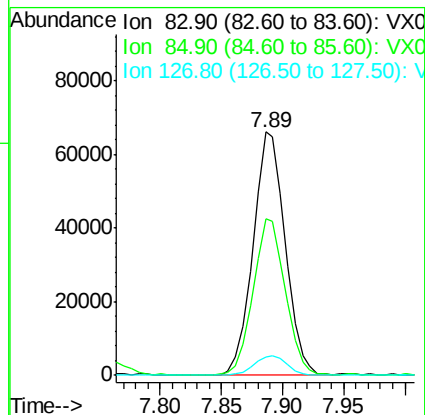
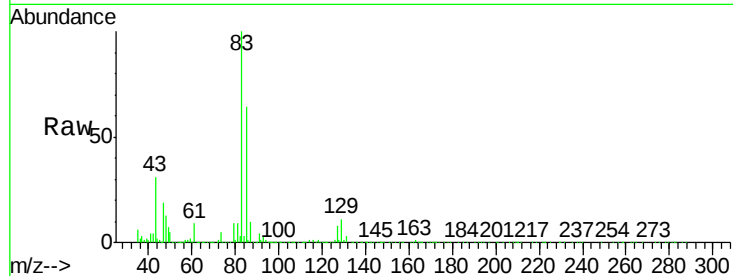
Tgt Ion: 83 Resp: 121545

Ion Ratio Lower Upper

83 100

85 64.1 52.5 78.7

127 7.6 7.4 11.0



#48

Methyl methacrylate

Concen: 20.01 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

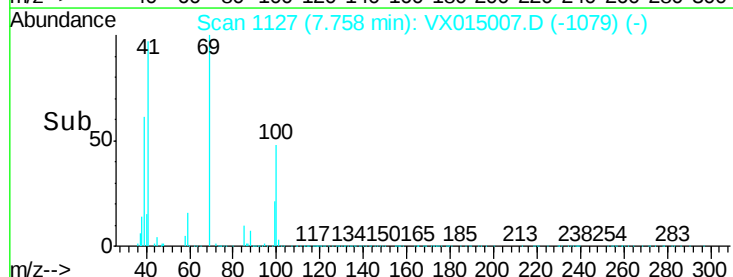
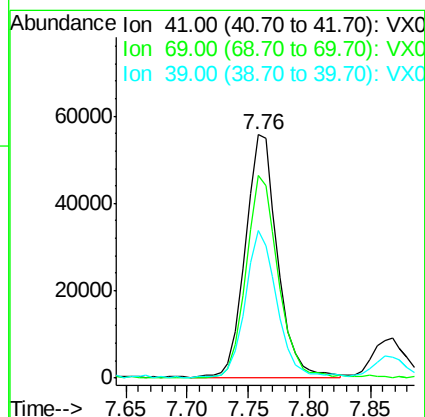
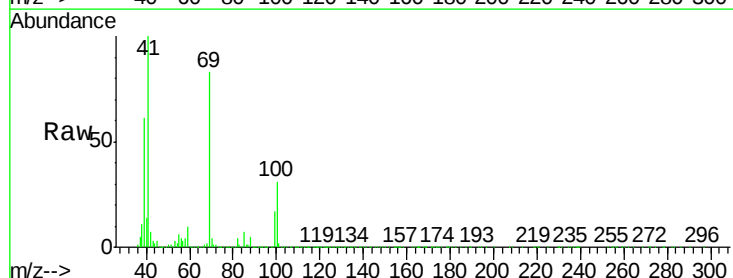
Tgt Ion: 41 Resp: 101233

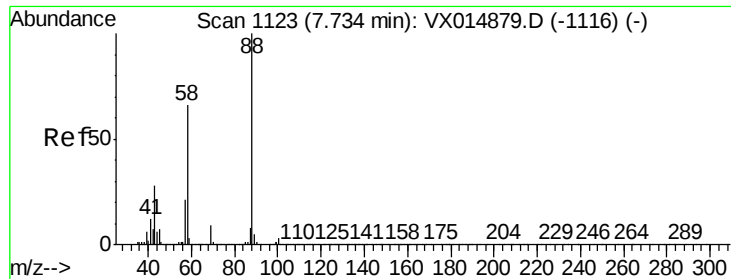
Ion Ratio Lower Upper

41 100

69 83.1 65.7 98.5

39 60.7 45.8 68.8

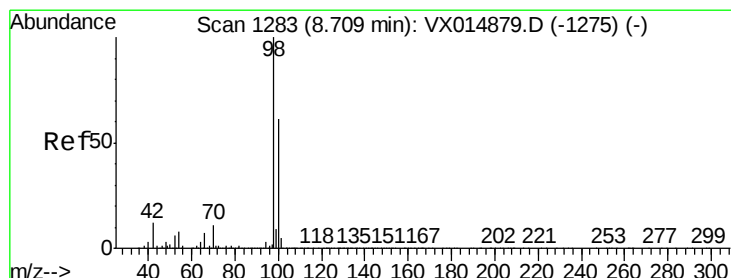
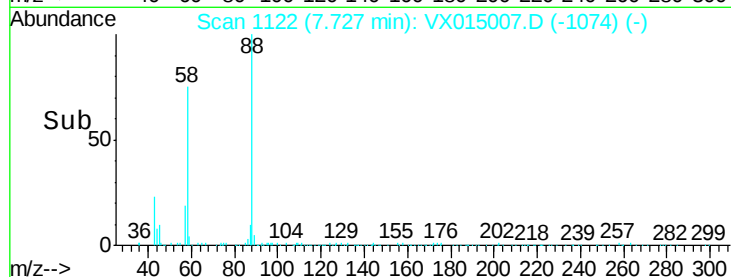
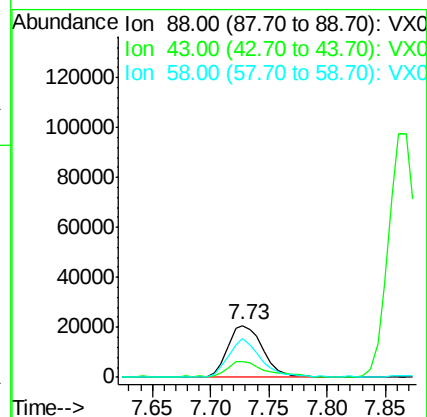
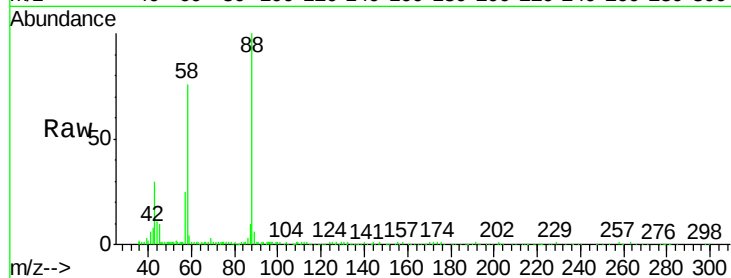




#49  
1,4-Dioxane  
Concen: 456.98 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

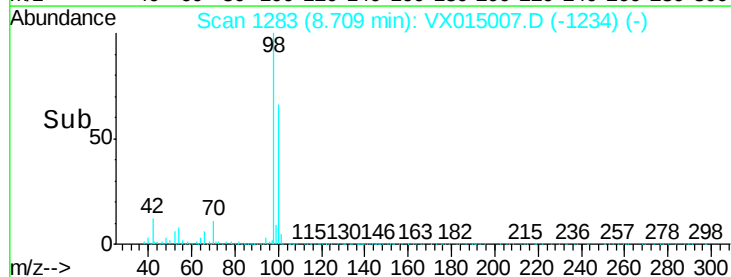
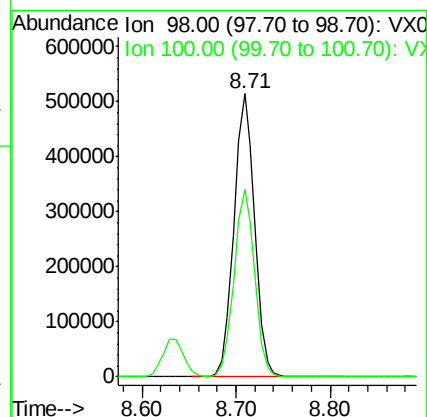
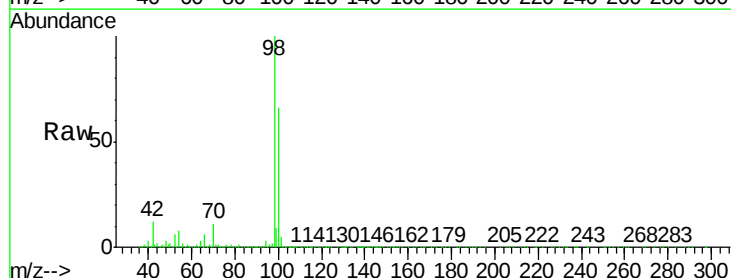
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

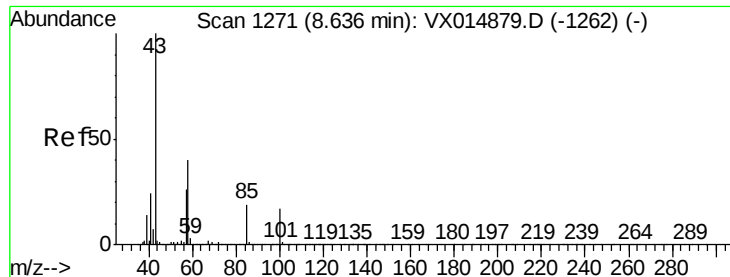
Tgt Ion: 88 Resp: 43218  
Ion Ratio Lower Upper  
88 100  
43 31.9 27.0 40.4  
58 67.7 53.2 79.8



#50  
Toluene-d8  
Concen: 49.75 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Tgt Ion: 98 Resp: 779663  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 107.14 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

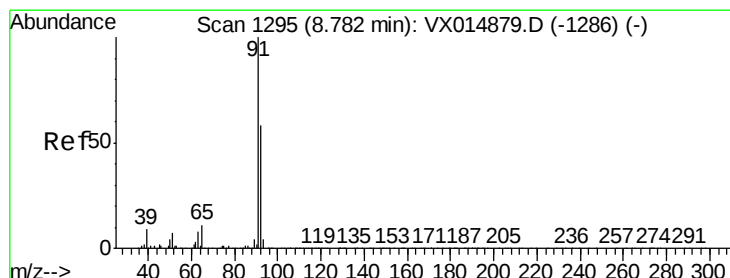
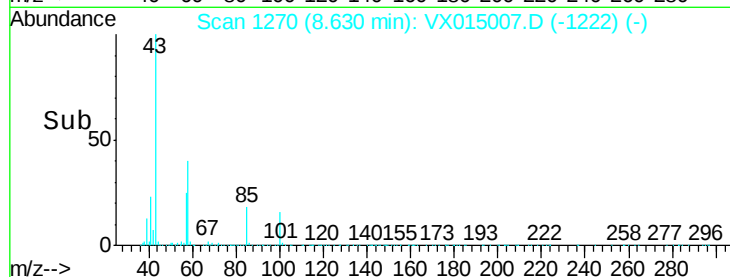
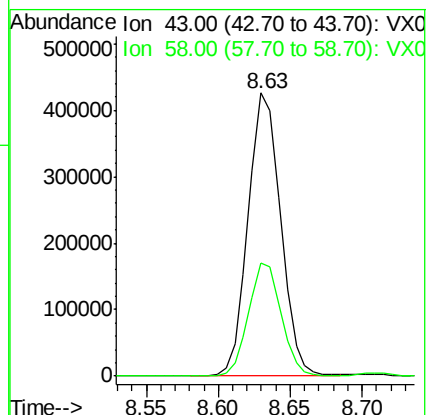
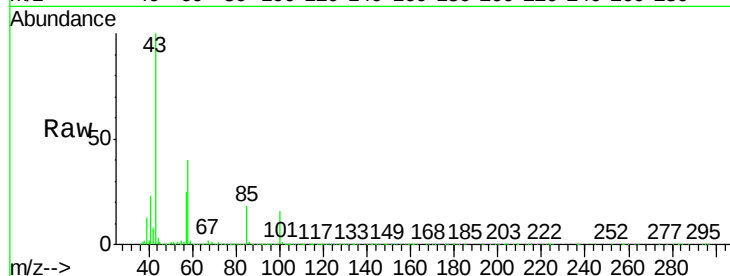
VX0226WBS01

Tgt Ion: 43 Resp: 664944

Ion Ratio Lower Upper

43 100

58 40.0 31.9 47.9



#52

Toluene

Concen: 19.66 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX015007.D

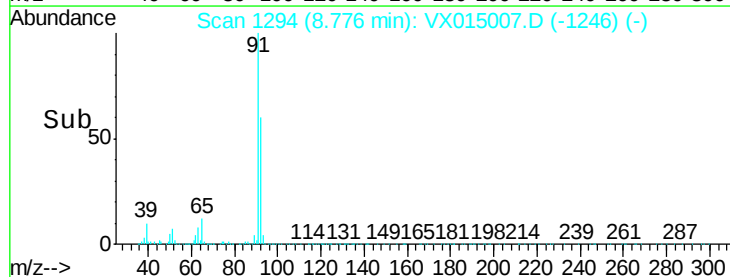
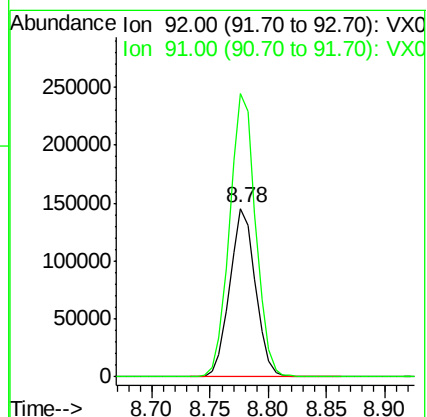
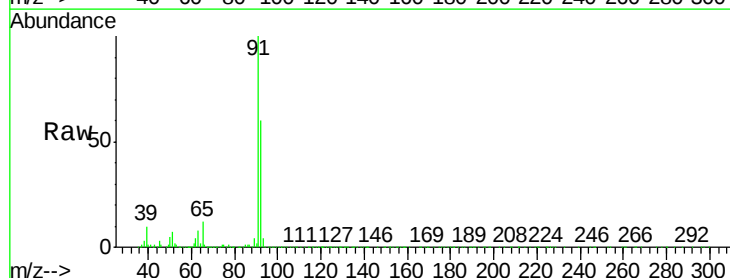
Acq: 26 Feb 2020 09:55

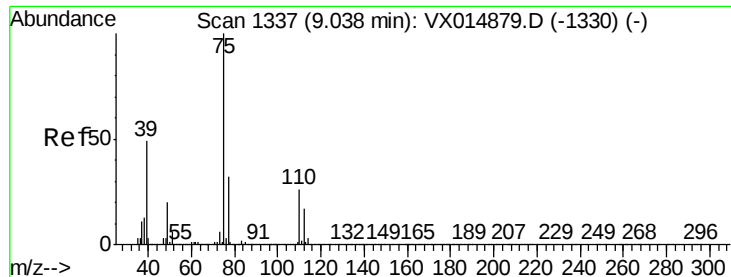
Tgt Ion: 92 Resp: 222910

Ion Ratio Lower Upper

92 100

91 170.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 19.23 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

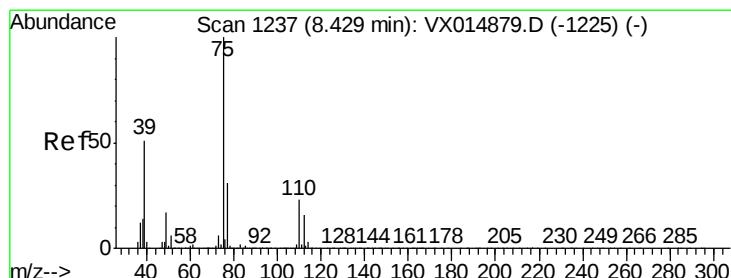
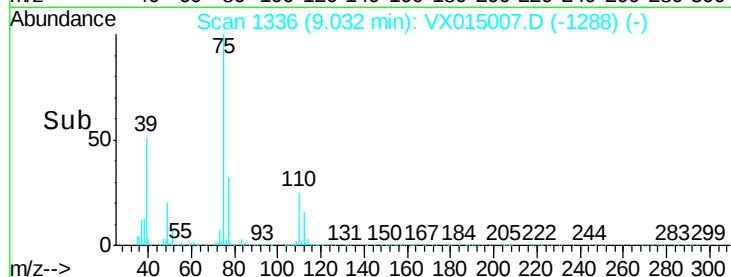
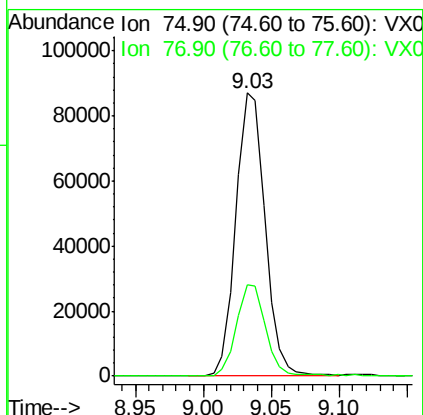
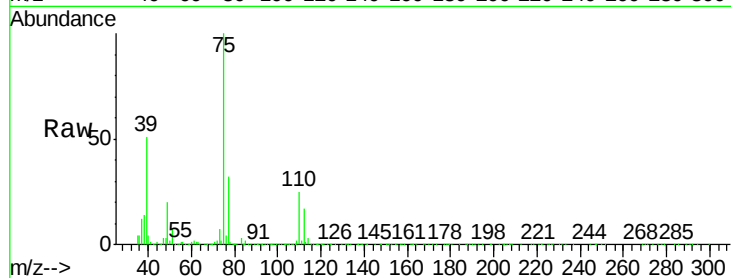
VX0226WBS01

Tgt Ion: 75 Resp: 129996

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.55 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

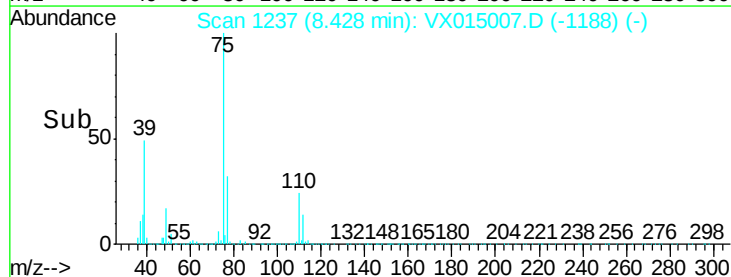
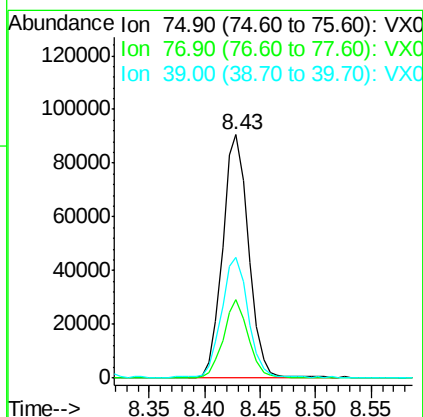
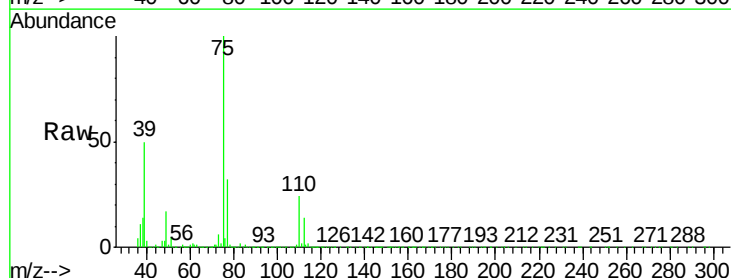
Tgt Ion: 75 Resp: 146004

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0

39 49.5 40.9 61.3

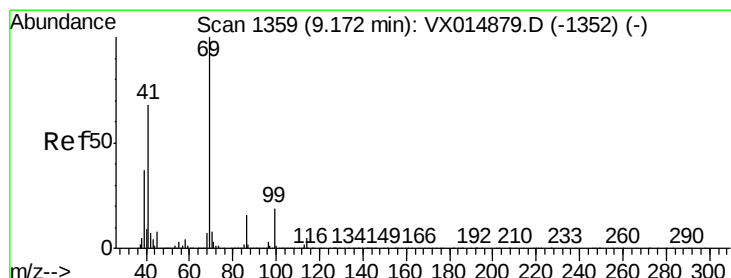
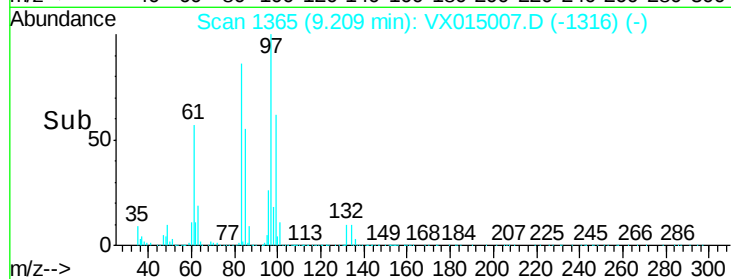
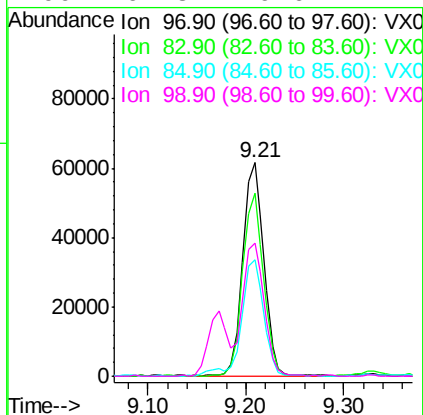
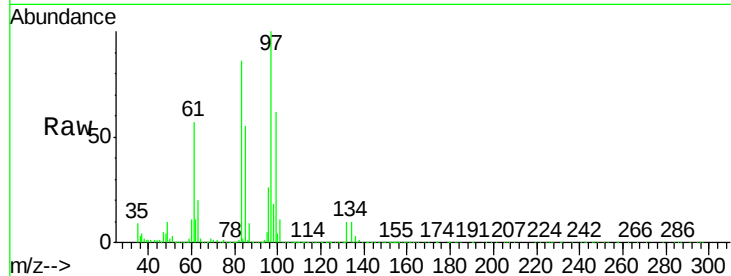




#55  
 1,1,2-Trichloroethane  
 Concen: 20.05 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

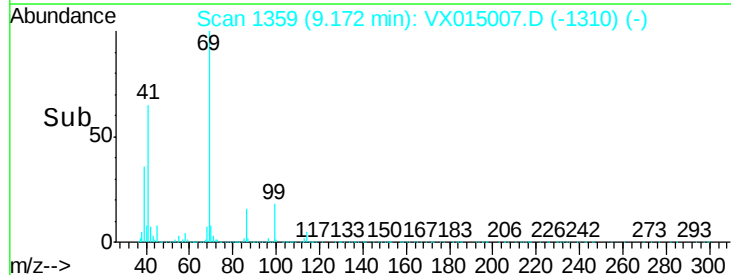
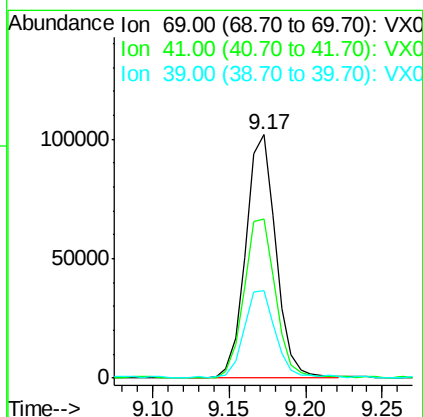
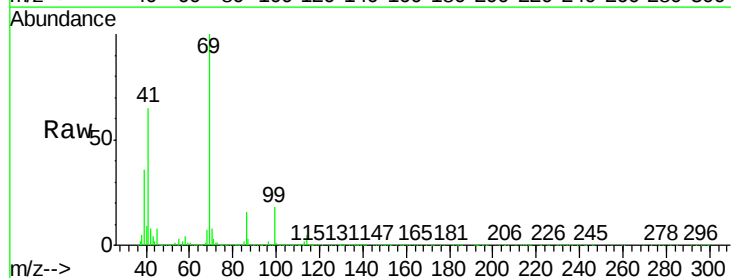
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

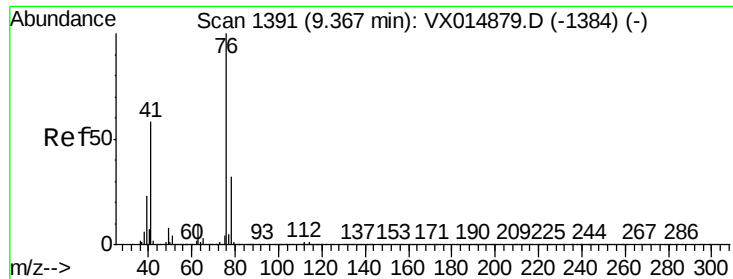
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 91967 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.0  | 66.6  | 99.8  |
| 85       | 54.8  | 43.5  | 65.3  |
| 99       | 62.3  | 49.6  | 74.4  |



#56  
 Ethyl methacrylate  
 Concen: 20.19 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 139197 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 67.6  | 54.8  | 82.2   |
| 39       | 37.6  | 29.9  | 44.9   |





#57

1,3-Dichloropropane

Concen: 19.91 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

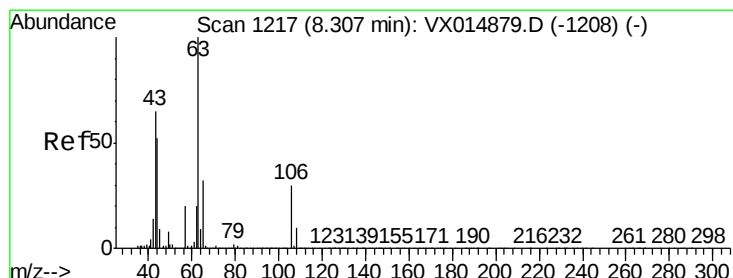
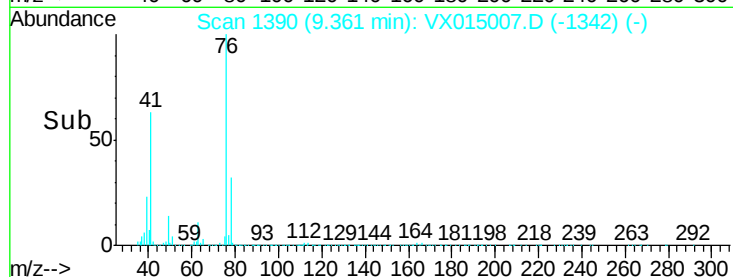
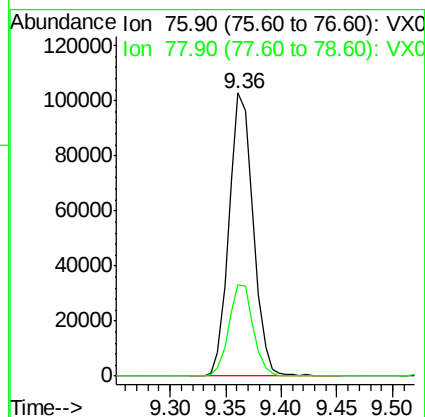
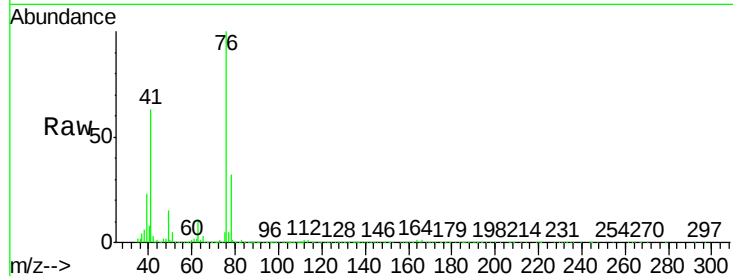
VX0226WBS01

Tgt Ion: 76 Resp: 153698

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 100.32 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX015007.D

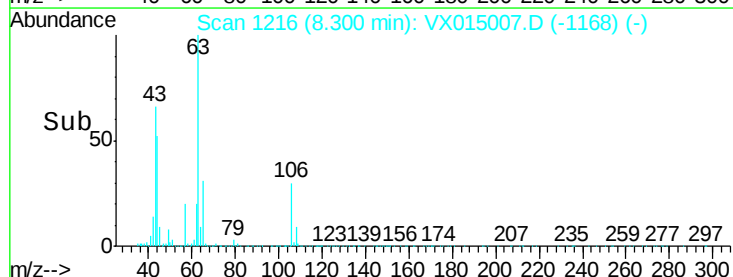
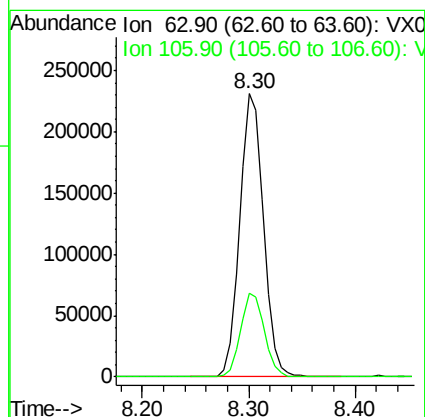
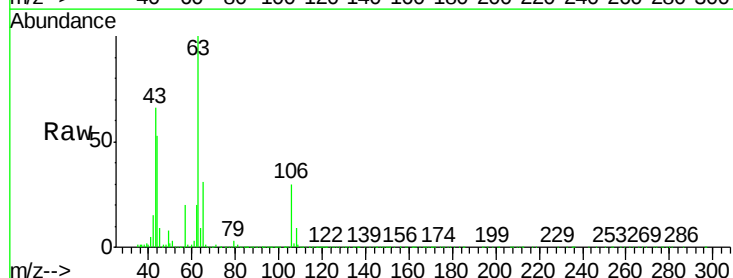
Acq: 26 Feb 2020 09:55

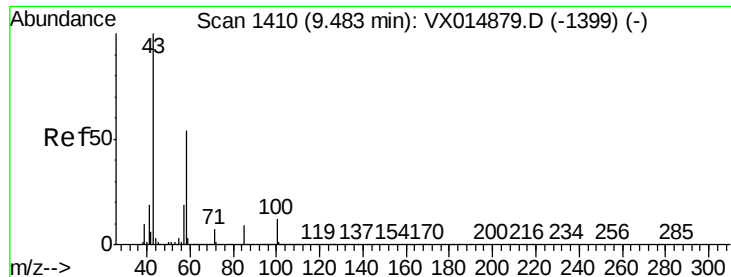
Tgt Ion: 63 Resp: 361707

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8





#59

2-Hexanone

Concen: 105.24 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

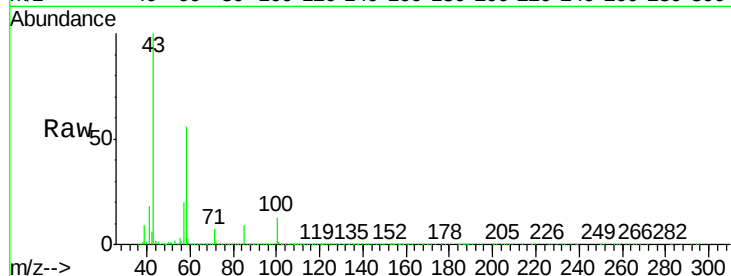
VX0226WBS01

Tgt Ion: 43 Resp: 513351

Ion Ratio Lower Upper

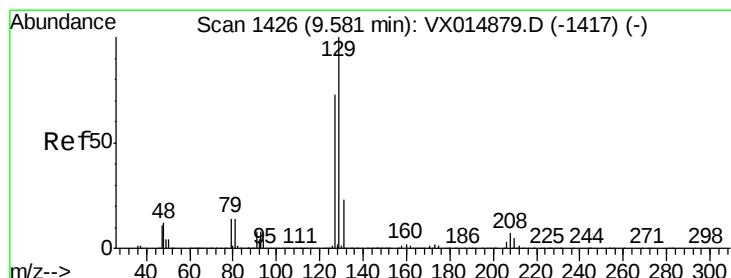
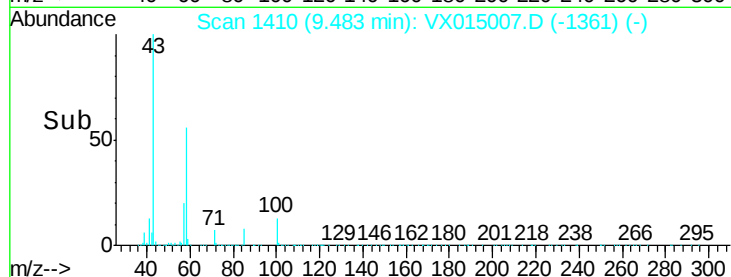
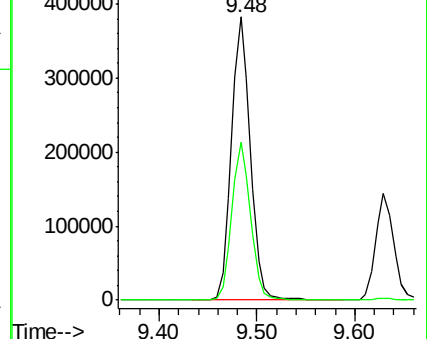
43 100

58 55.6 27.5 82.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 19.57 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX015007.D

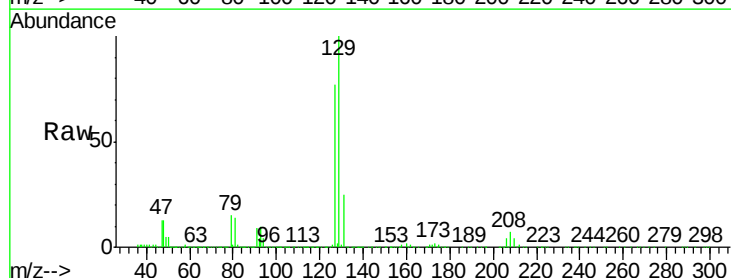
Acq: 26 Feb 2020 09:55

Tgt Ion: 129 Resp: 96579

Ion Ratio Lower Upper

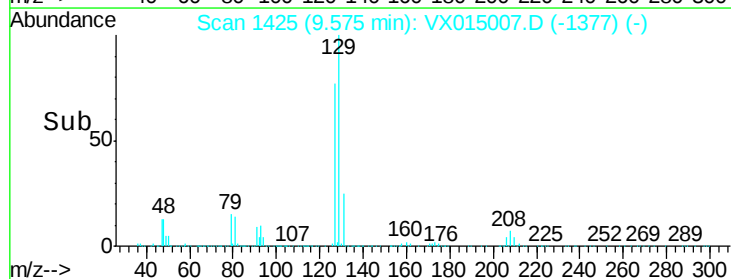
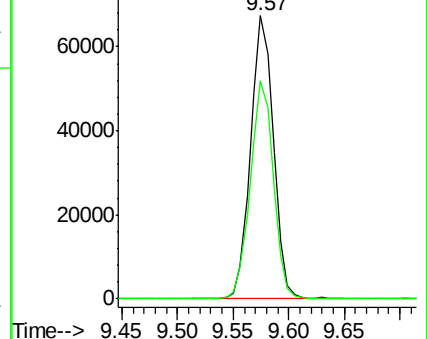
129 100

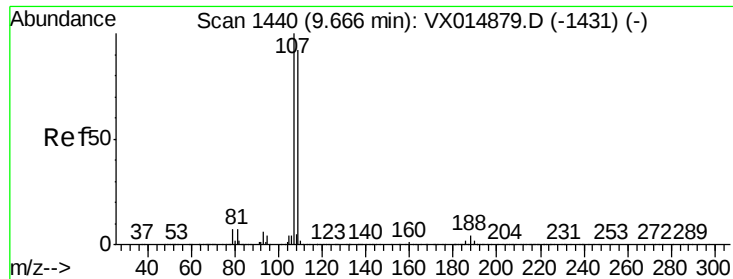
127 77.5 37.8 113.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 19.91 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

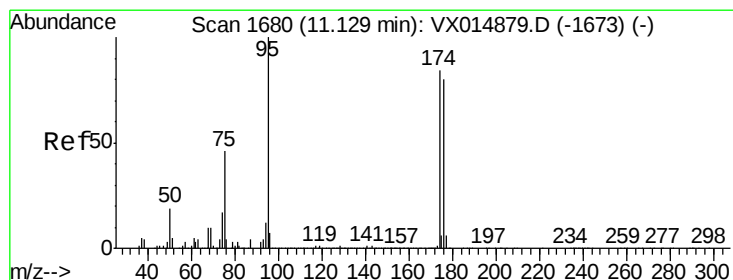
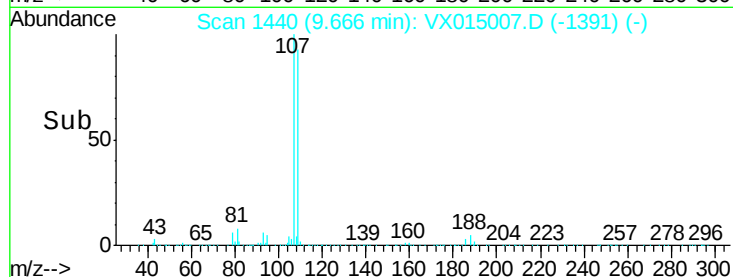
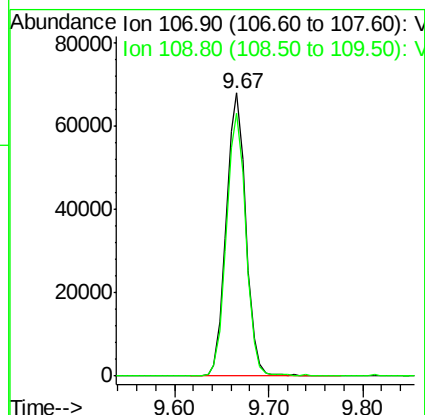
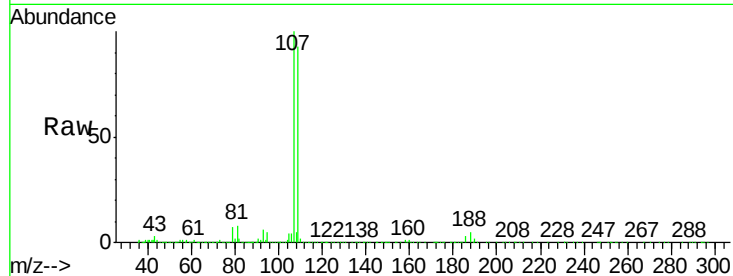
VX0226WBS01

Tgt Ion: 107 Resp: 98527

Ion Ratio Lower Upper

107 100

109 91.8 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 49.83 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

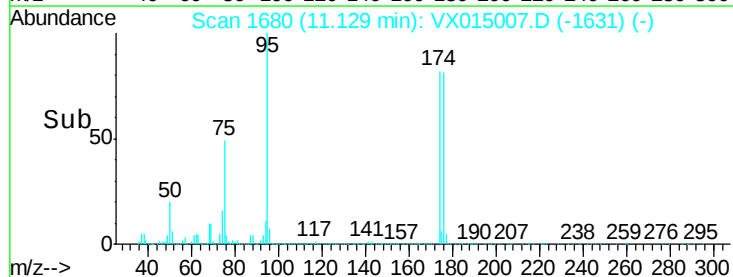
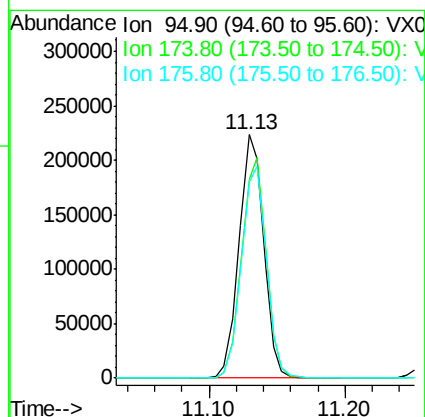
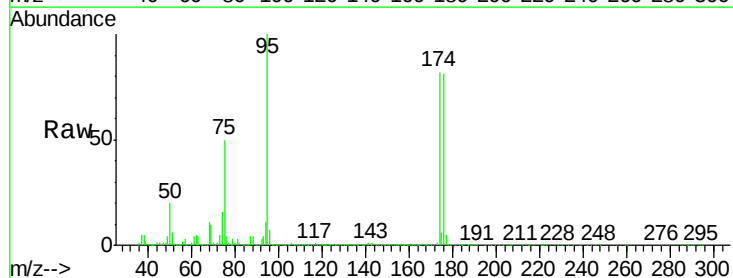
Tgt Ion: 95 Resp: 281328

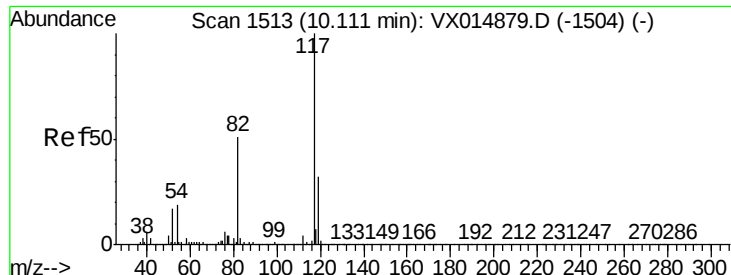
Ion Ratio Lower Upper

95 100

174 90.6 0.0 183.0

176 88.2 0.0 178.0

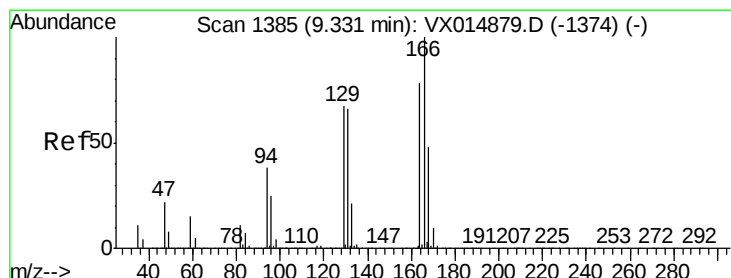
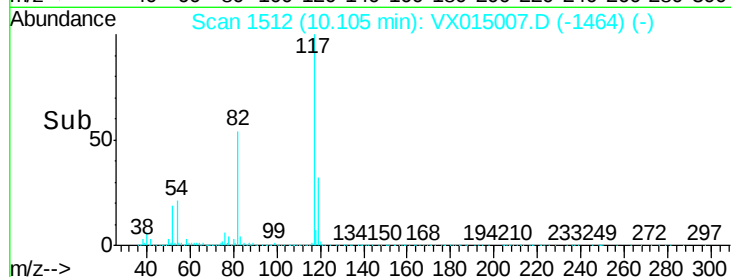
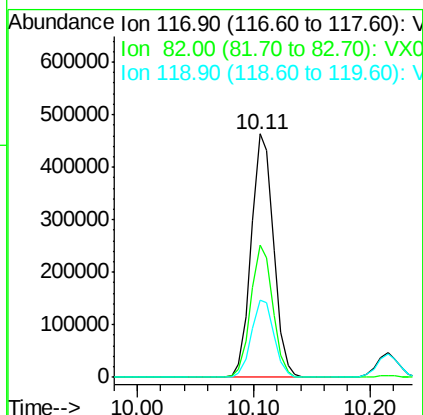
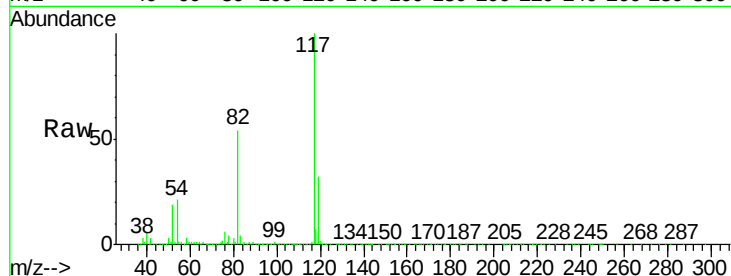




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

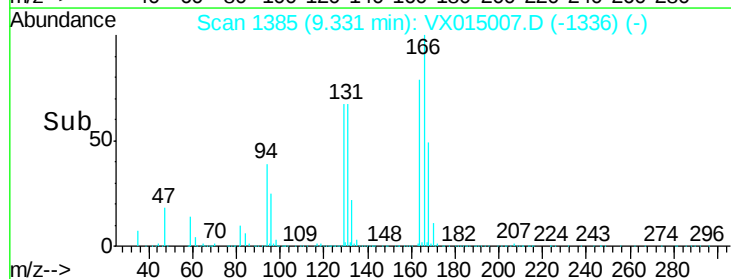
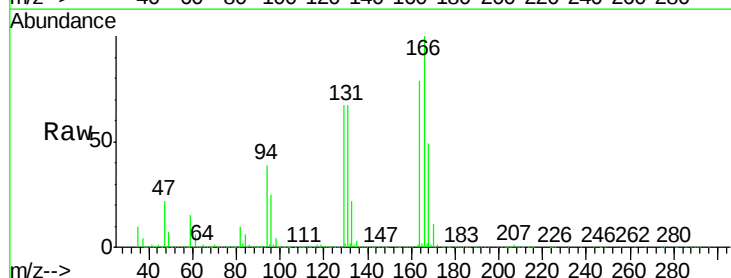
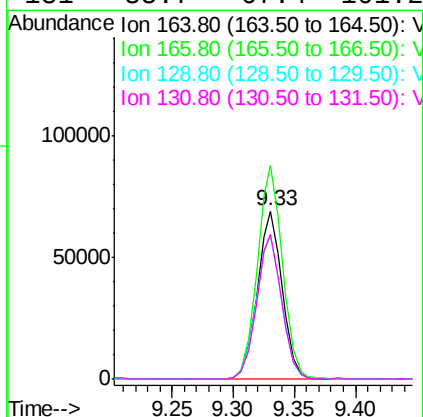
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.2  | 40.5  | 60.7  |
| 119     | 31.8  | 25.8  | 38.6  |



#64  
Tetrachloroethene  
Concen: 16.86 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.0 | 102.6 | 153.8 |
| 129     | 85.2  | 68.3  | 102.5 |
| 131     | 85.7  | 67.4  | 101.2 |





#65

Chlorobenzene

Concen: 19.16 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

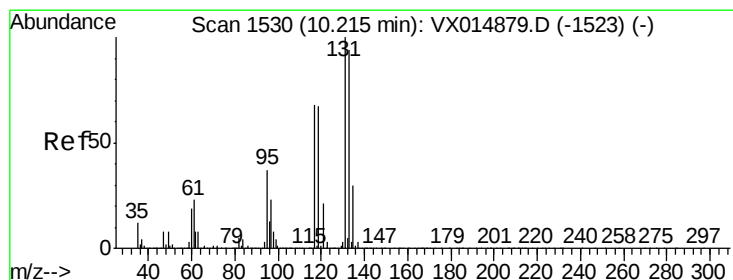
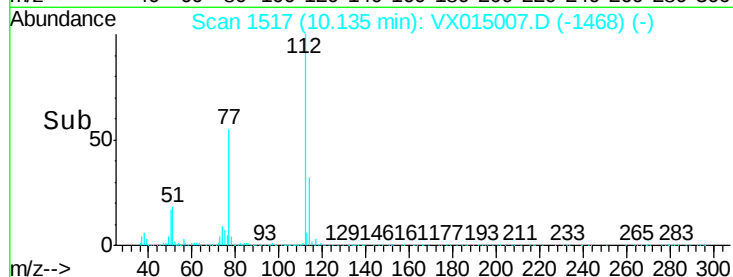
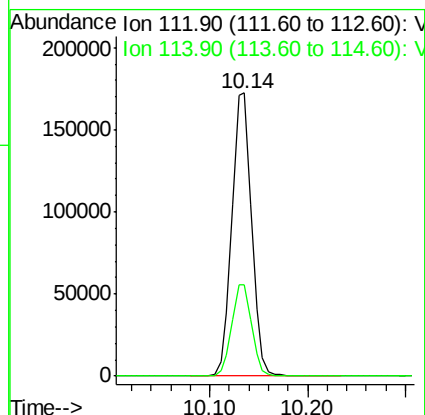
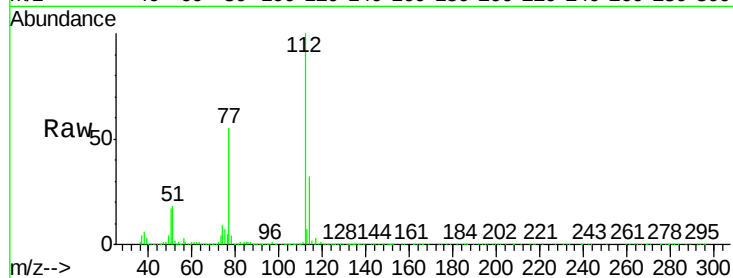
VX0226WBS01

Tgt Ion: 112 Resp: 241617

Ion Ratio Lower Upper

112 100

114 32.4 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 19.92 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

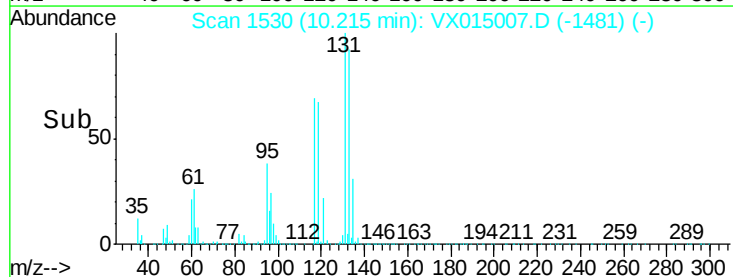
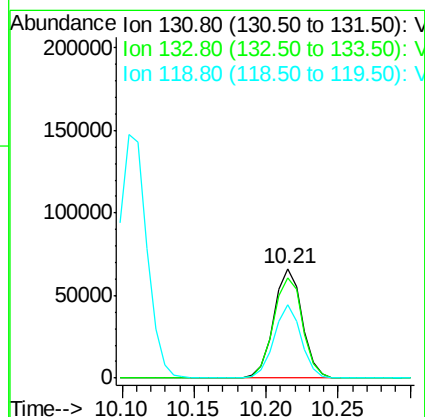
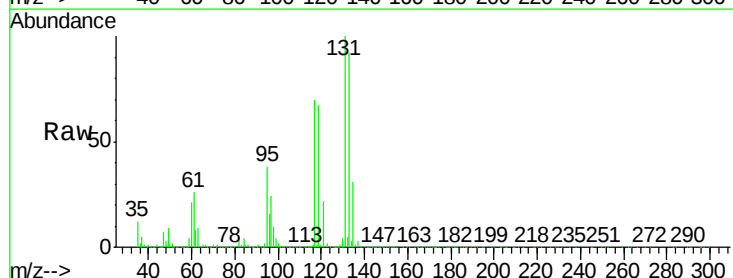
Tgt Ion: 131 Resp: 91184

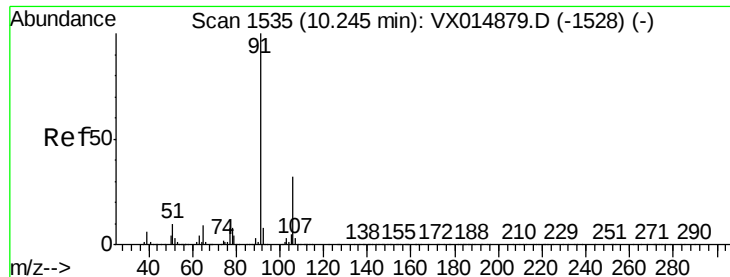
Ion Ratio Lower Upper

131 100

133 94.5 48.1 144.4

119 64.9 33.0 99.0





#67

Ethyl Benzene

Concen: 19.77 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

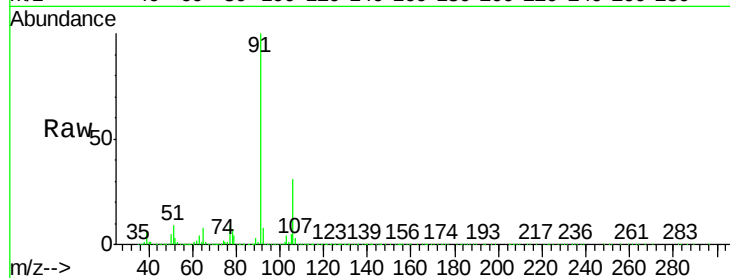
VX0226WBS01

Tgt Ion: 91 Resp: 424134

Ion Ratio Lower Upper

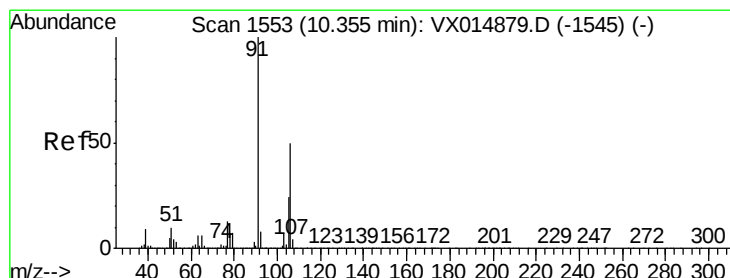
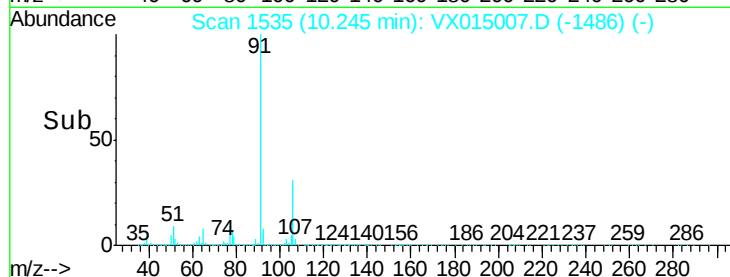
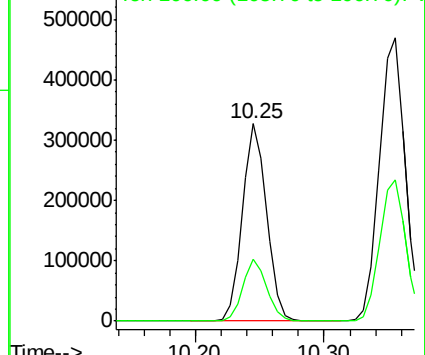
91 100

106 31.3 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.29 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX015007.D

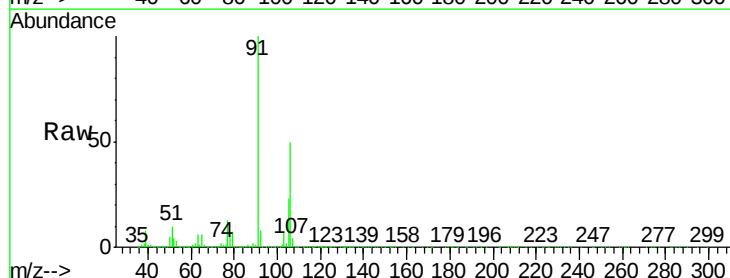
Acq: 26 Feb 2020 09:55

Tgt Ion: 106 Resp: 324595

Ion Ratio Lower Upper

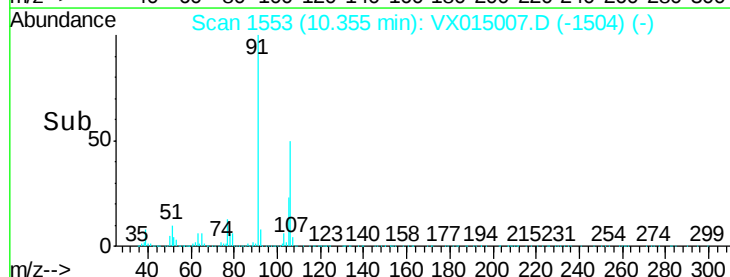
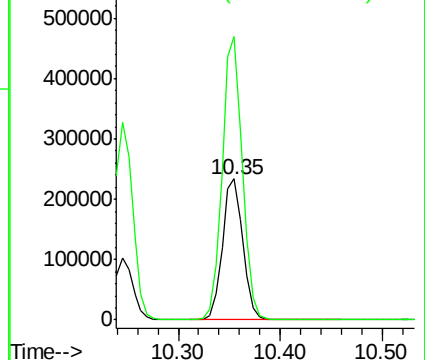
106 100

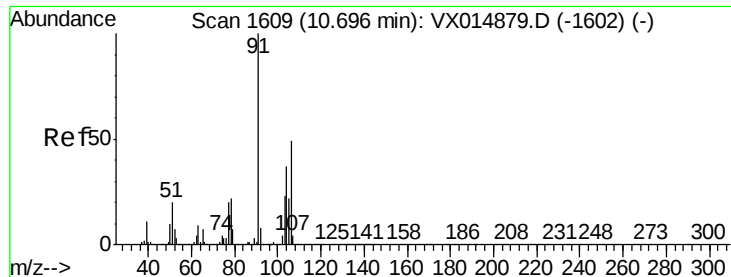
91 198.7 160.6 240.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

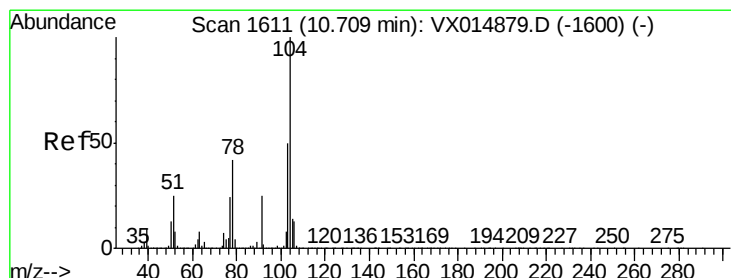
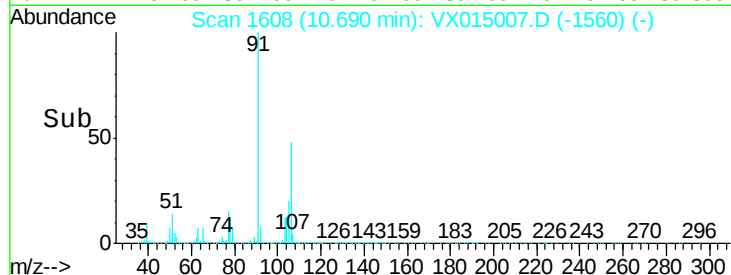
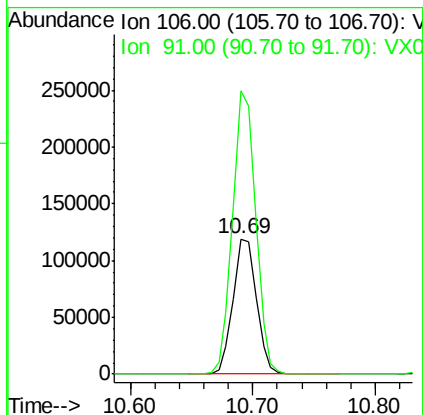
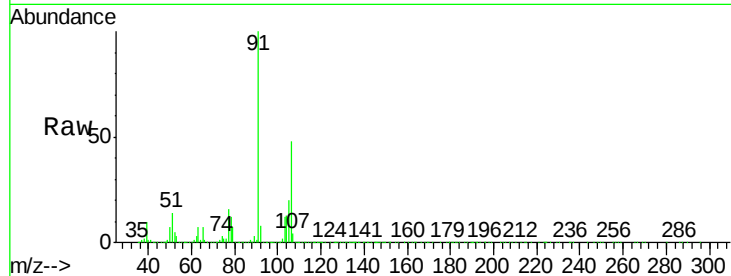




#69  
o-Xylene  
Concen: 19.80 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. -0.01 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

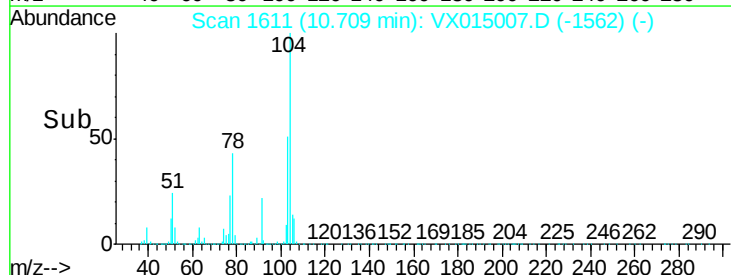
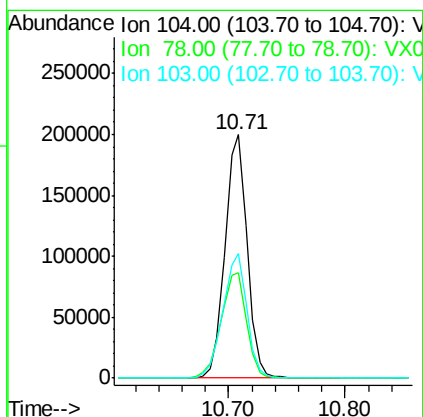
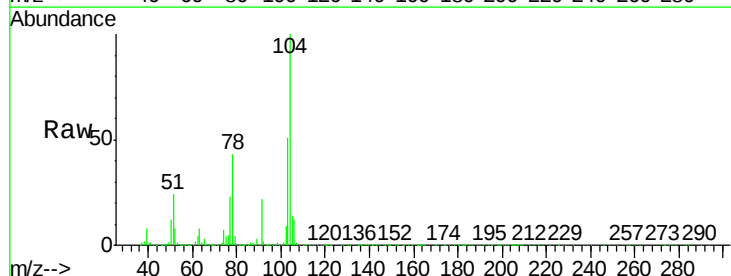
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

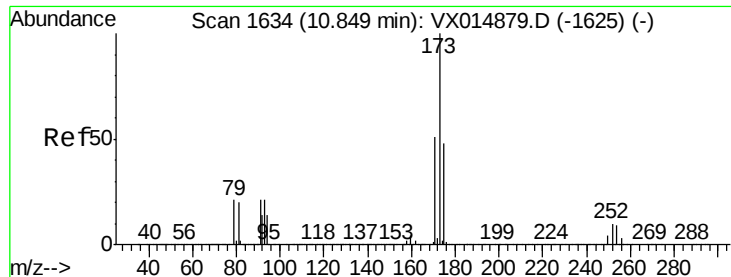
Tgt Ion:106 Resp: 157227  
Ion Ratio Lower Upper  
106 100  
91 207.2 105.1 315.3



#70  
Styrene  
Concen: 19.56 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Tgt Ion:104 Resp: 262811  
Ion Ratio Lower Upper  
104 100  
78 49.5 39.0 58.4  
103 55.4 43.4 65.0





#71

Bromoform

Concen: 19.32 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

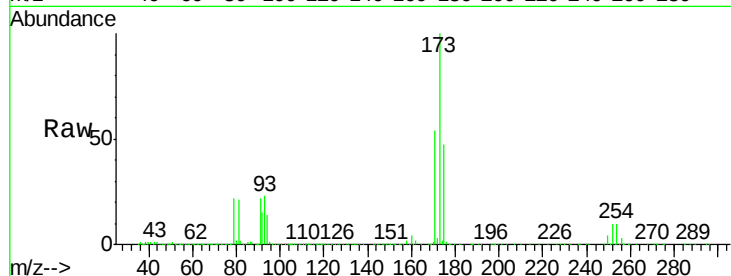
Tgt Ion:173 Resp: 73847

Ion Ratio Lower Upper

173 100

175 48.7 24.2 72.6

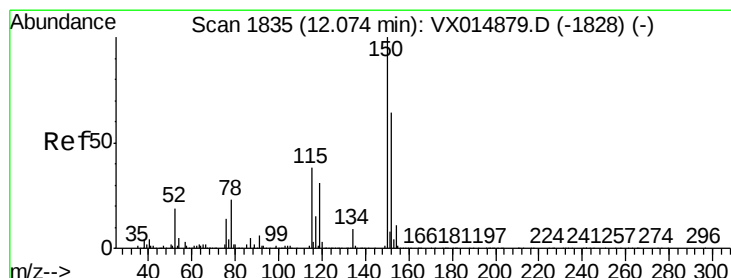
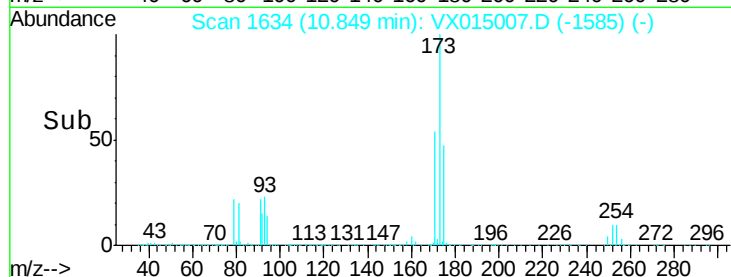
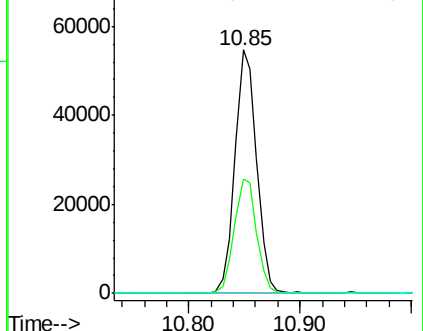
254 0.3 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

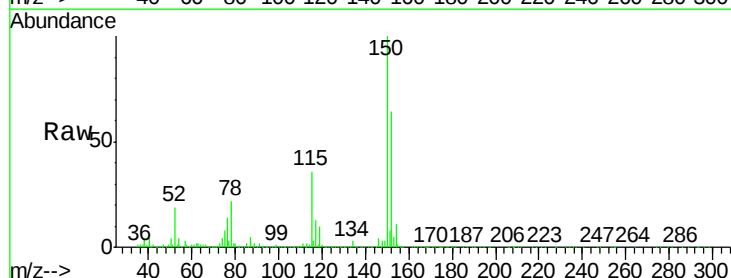
Tgt Ion:152 Resp: 323131

Ion Ratio Lower Upper

152 100

115 63.4 38.6 116.0

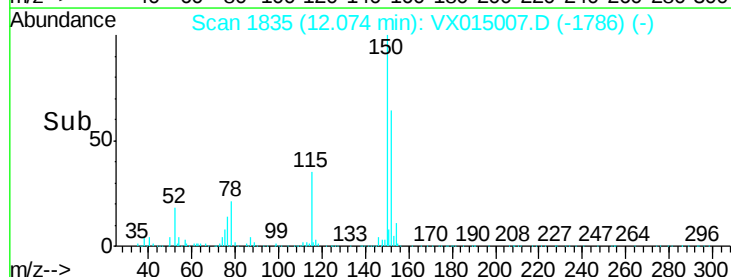
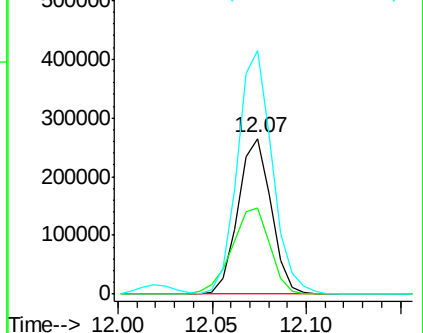
150 164.1 0.0 349.0

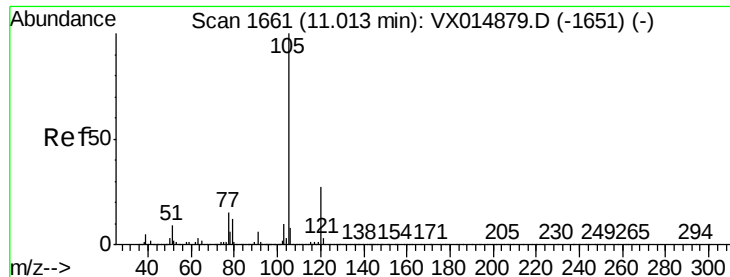


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.56 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

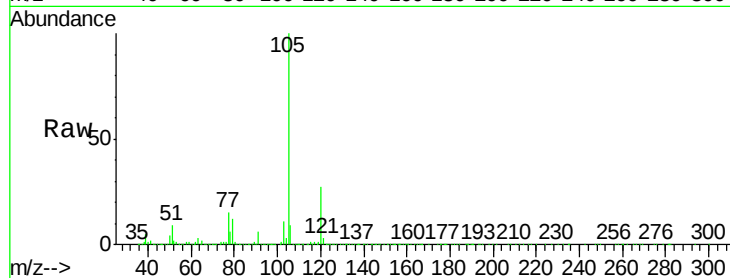
VX0226WBS01

Tgt Ion: 105 Resp: 416547

Ion Ratio Lower Upper

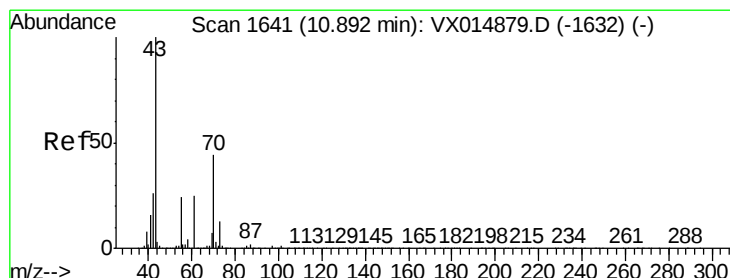
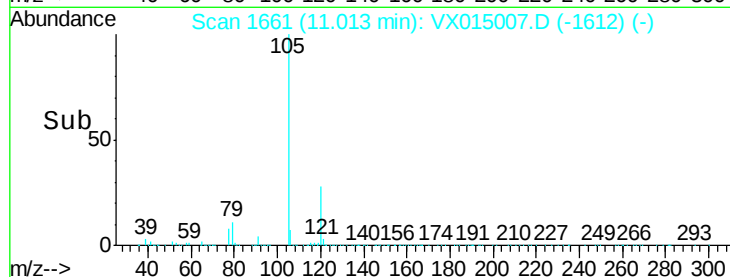
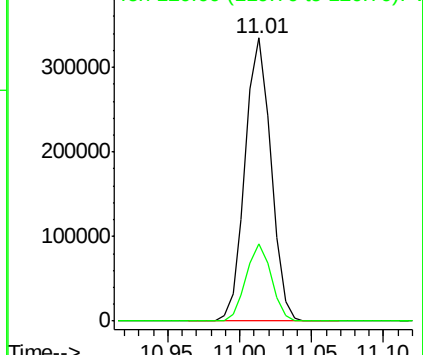
105 100

120 26.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.75 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Tgt Ion: 43 Resp: 174699

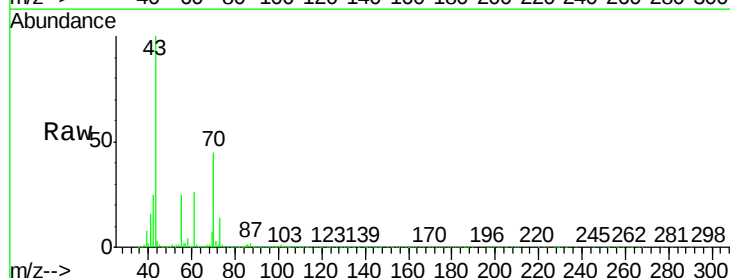
Ion Ratio Lower Upper

43 100

70 43.6 35.0 52.4

55 25.1 19.4 29.2

61 24.5 19.8 29.6

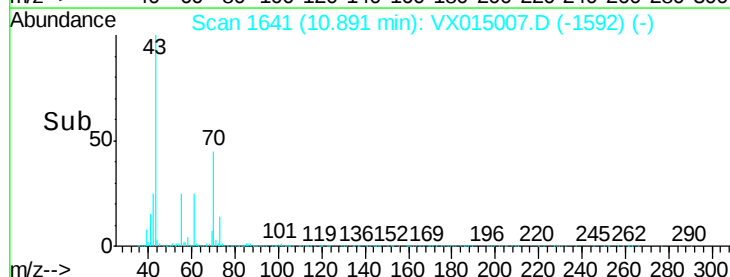
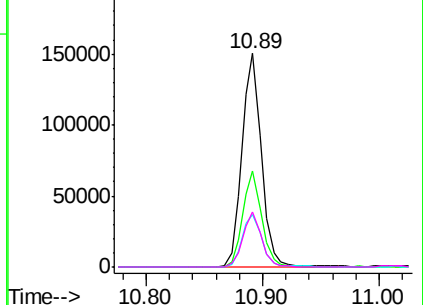


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.45 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

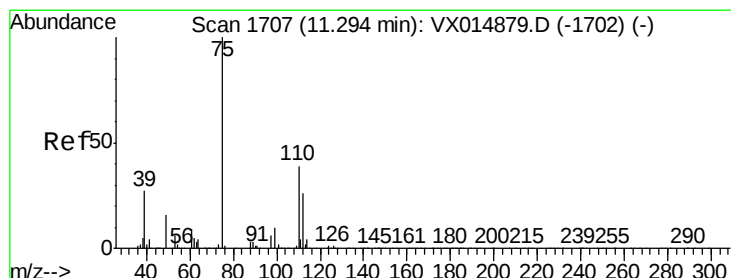
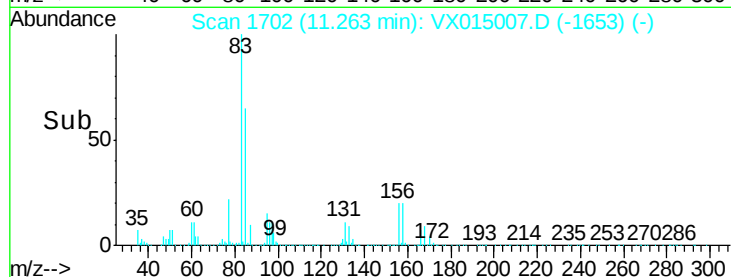
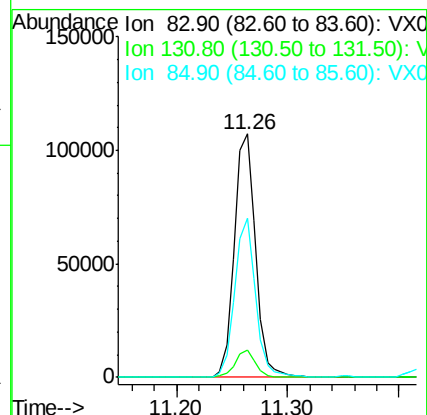
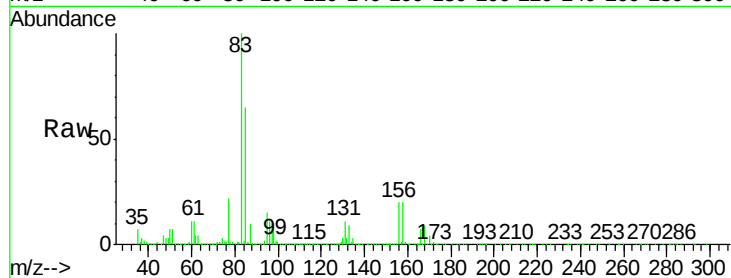
Tgt Ion: 83 Resp: 142090

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

85 63.4 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 27.29 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX015007.D

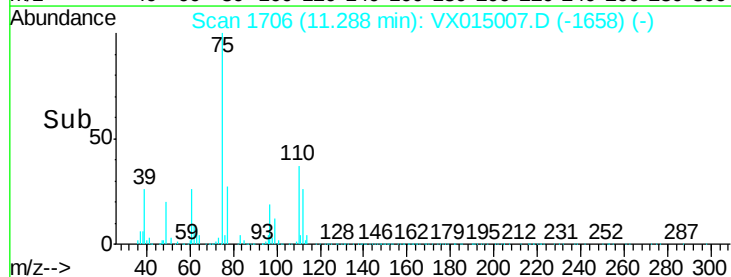
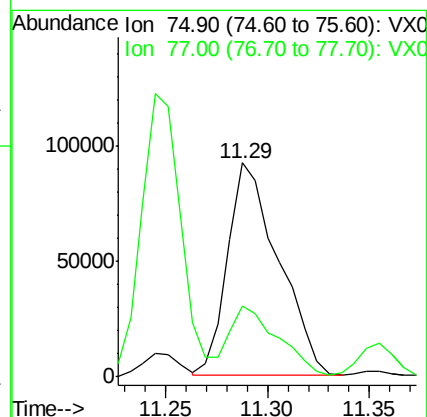
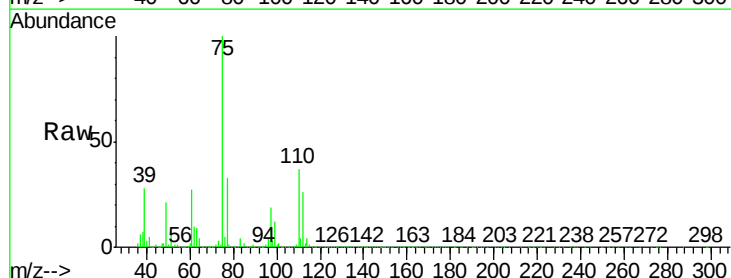
Acq: 26 Feb 2020 09:55

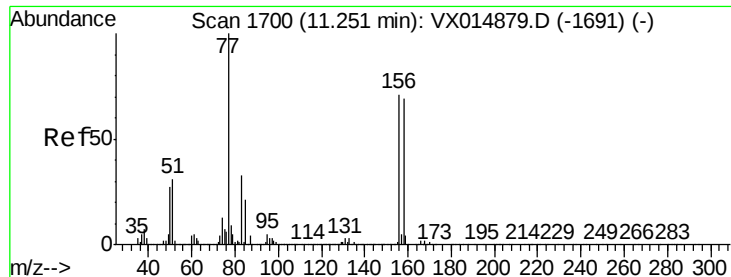
Tgt Ion: 75 Resp: 159440

Ion Ratio Lower Upper

75 100

77 32.9 18.4 55.0





#77

Bromobenzene

Concen: 19.85 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

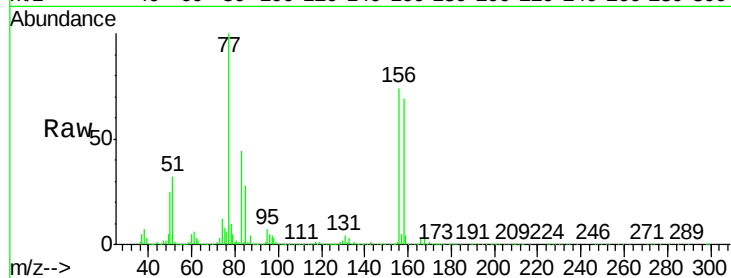
Tgt Ion: 156 Resp: 112255

Ion Ratio Lower Upper

156 100

77 145.3 74.0 222.0

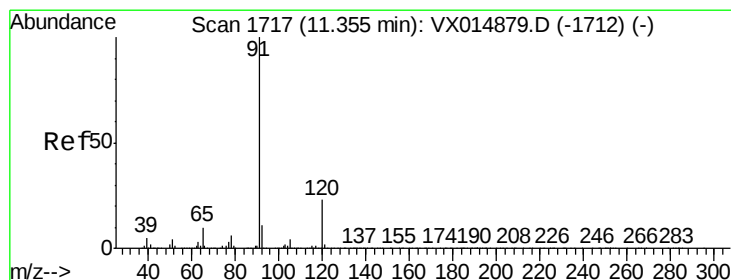
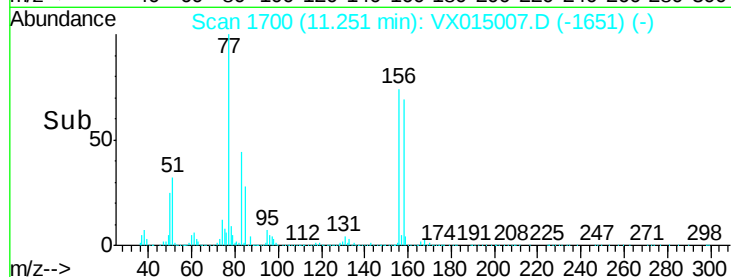
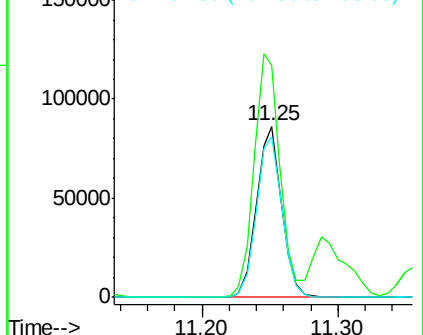
158 95.9 48.9 146.6



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: 20.36 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX015007.D

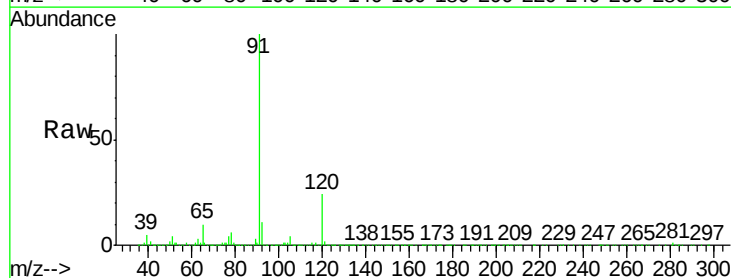
Acq: 26 Feb 2020 09:55

Tgt Ion: 91 Resp: 477066

Ion Ratio Lower Upper

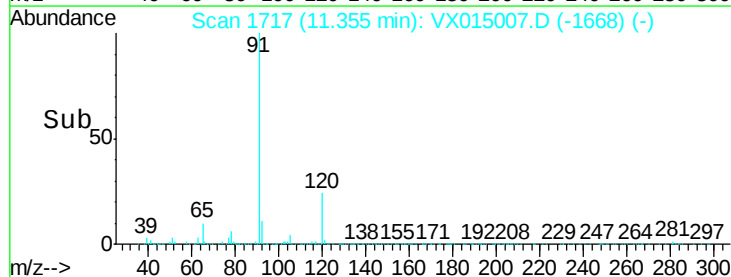
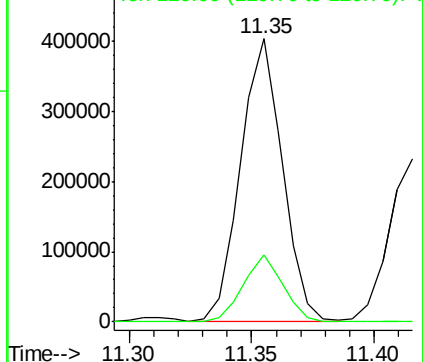
91 100

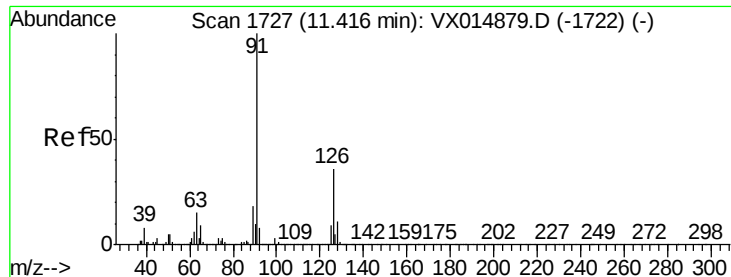
120 23.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.30 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

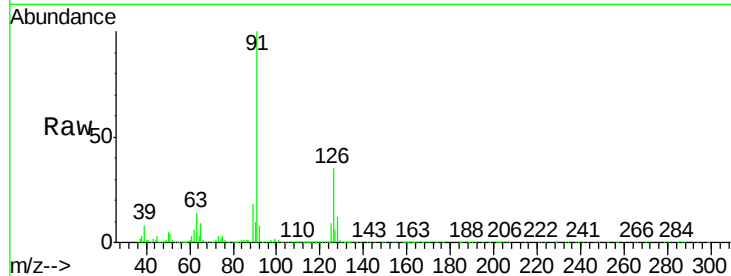
VX0226WBS01

Tgt Ion: 91 Resp: 279689

Ion Ratio Lower Upper

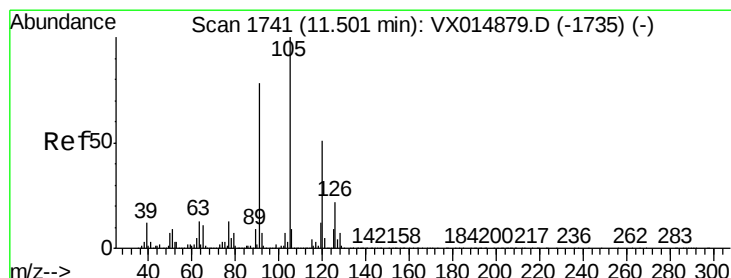
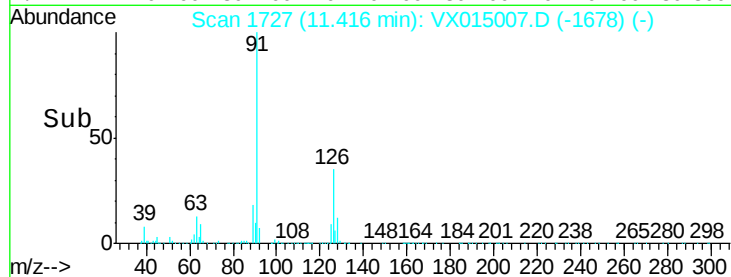
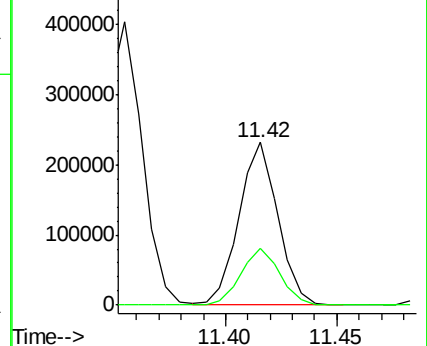
91 100

126 35.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.57 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015007.D

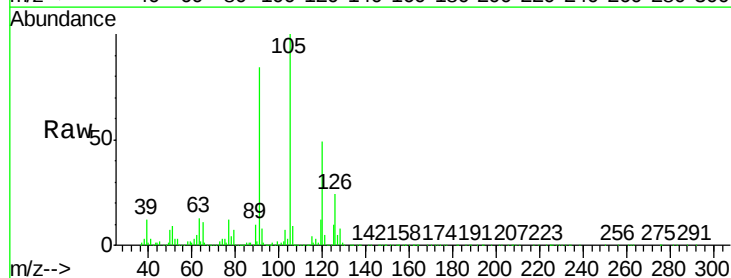
Acq: 26 Feb 2020 09:55

Tgt Ion: 105 Resp: 348307

Ion Ratio Lower Upper

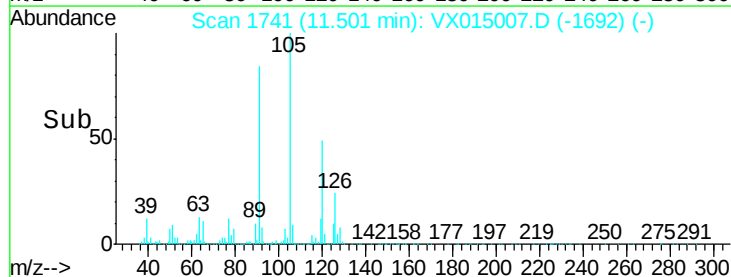
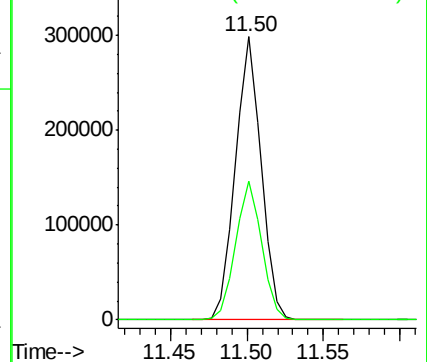
105 100

120 49.3 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.94 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampled :

VX0226WBS01

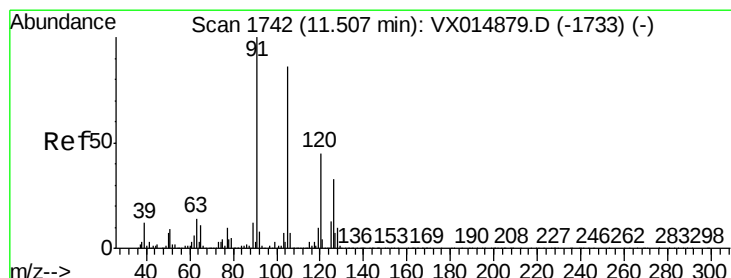
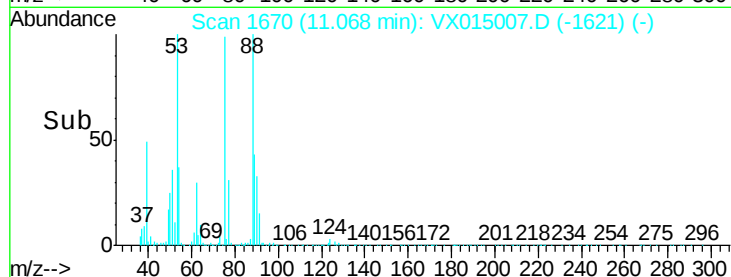
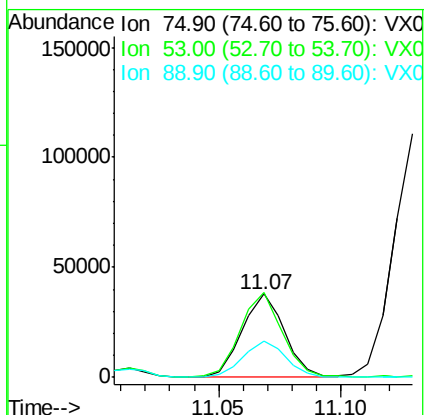
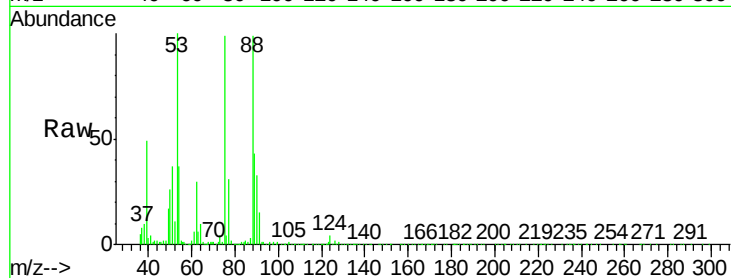
Tgt Ion: 75 Resp: 45525

Ion Ratio Lower Upper

75 100

53 99.2 76.2 114.2

89 45.1 35.8 53.6



#82

4-Chlorotoluene

Concen: 20.13 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX015007.D

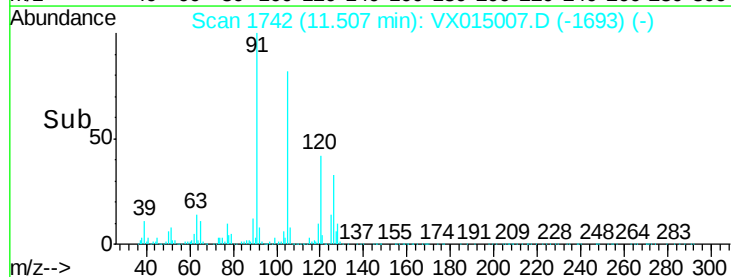
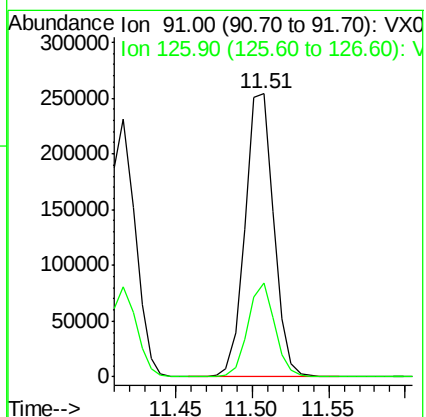
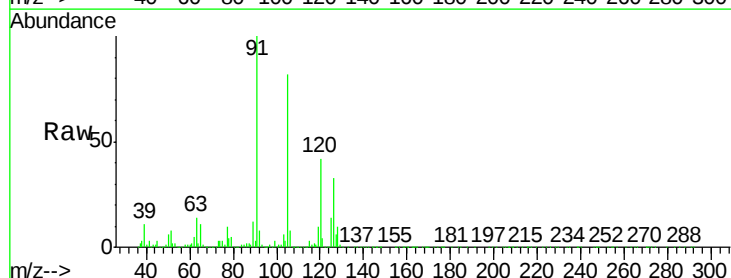
Acq: 26 Feb 2020 09:55

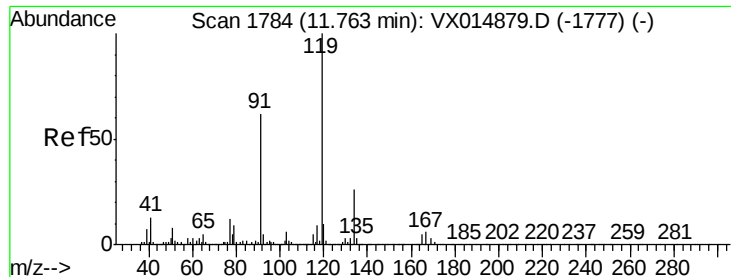
Tgt Ion: 91 Resp: 328494

Ion Ratio Lower Upper

91 100

126 31.1 15.7 47.0

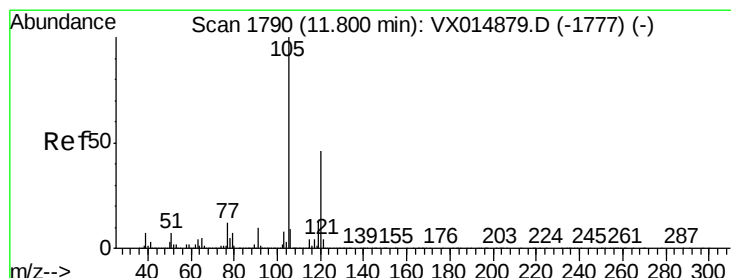
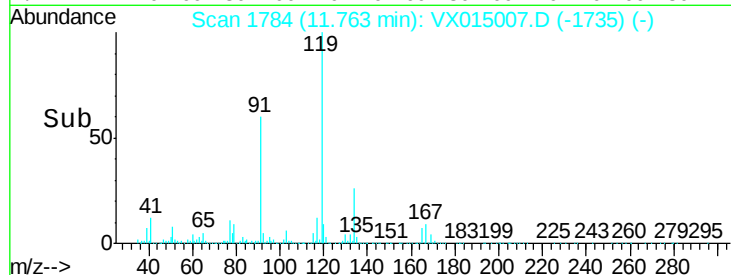
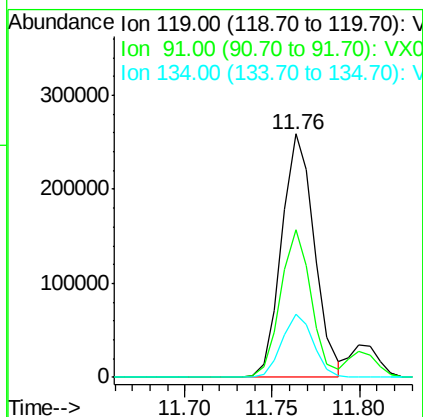
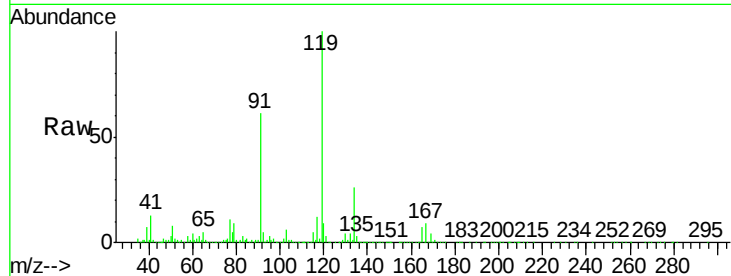




#83  
 tert-Butylbenzene  
 Concen: 21.17 ug/l  
 RT: 11.76 min Scan# 1784  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

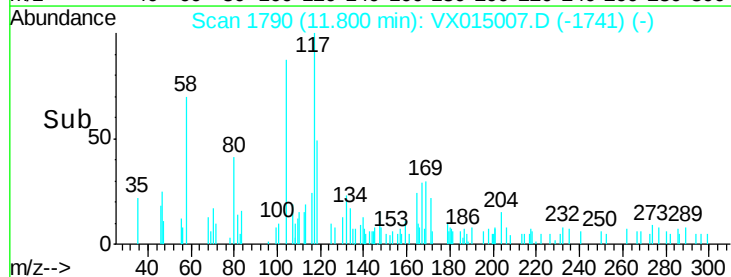
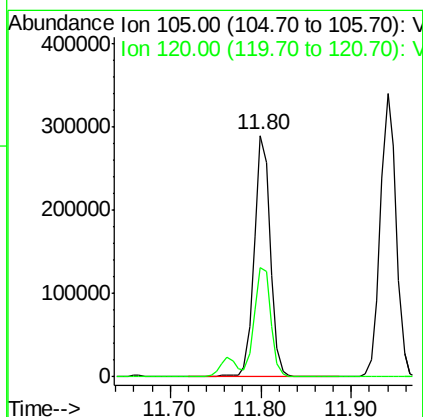
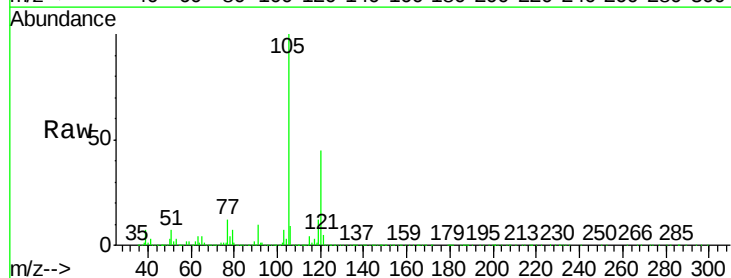
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

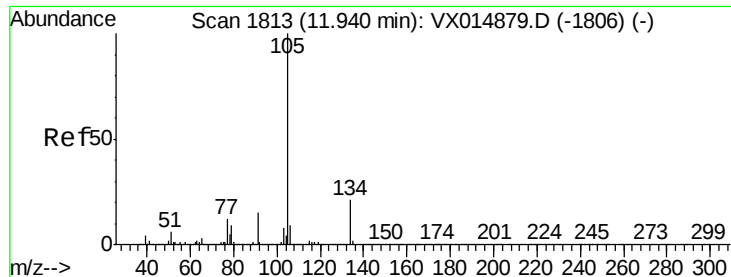
Tgt Ion:119 Resp: 339501  
 Ion Ratio Lower Upper  
 119 100  
 91 56.7 29.5 88.6  
 134 25.1 12.6 37.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.62 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

Tgt Ion:105 Resp: 351884  
 Ion Ratio Lower Upper  
 105 100  
 120 46.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.63 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

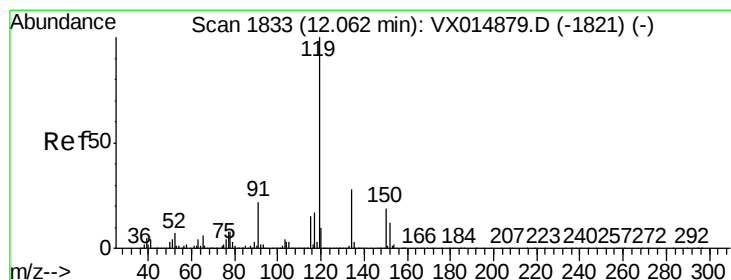
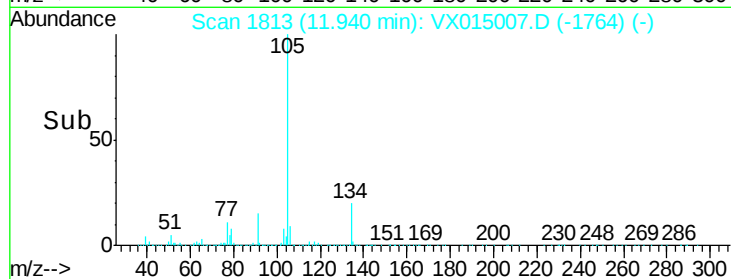
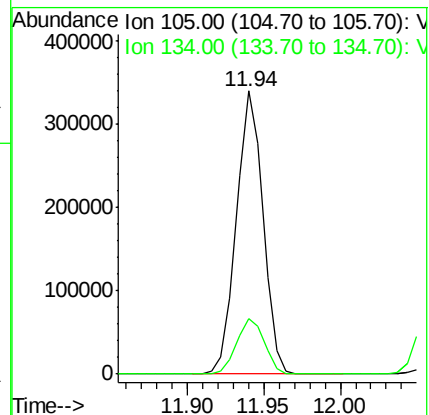
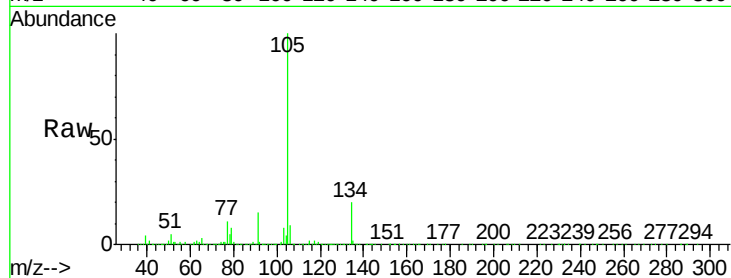
VX0226WBS01

Tgt Ion:105 Resp: 410847

Ion Ratio Lower Upper

105 100

134 20.5 10.6 31.8



#86

p-Isopropyltoluene

Concen: 20.47 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

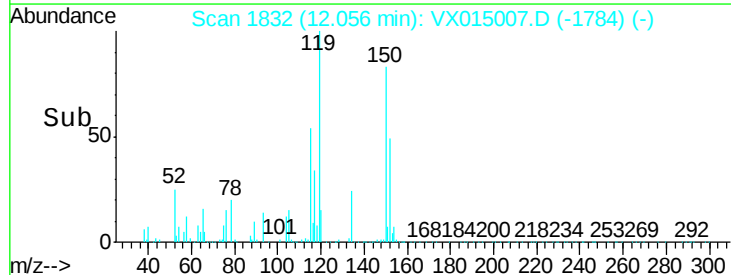
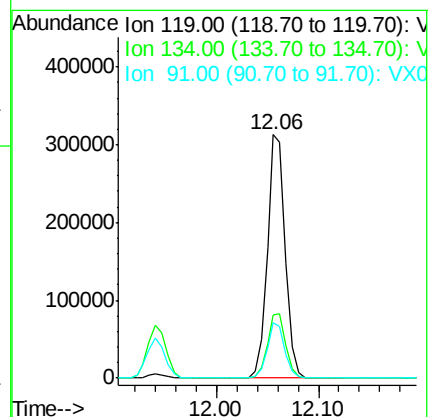
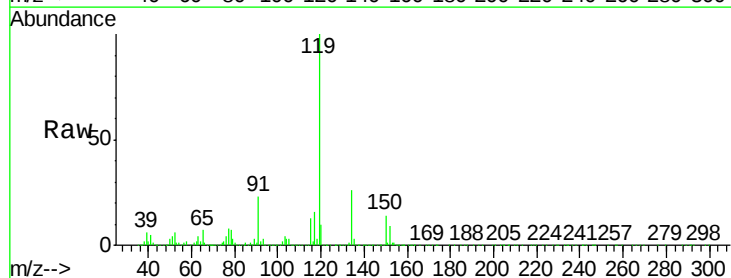
Tgt Ion:119 Resp: 381569

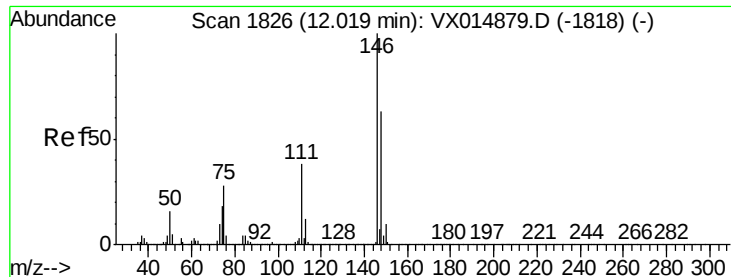
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.4 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 19.31 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

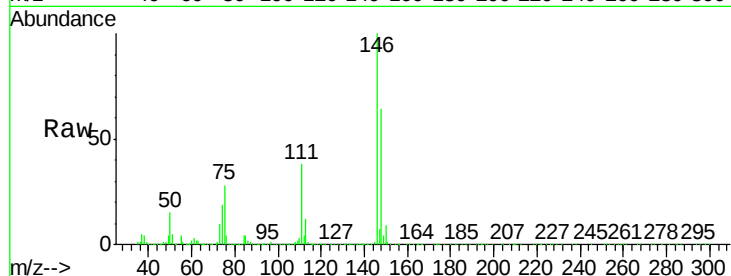
Tgt Ion:146 Resp: 195931

Ion Ratio Lower Upper

146 100

111 38.8 18.6 56.0

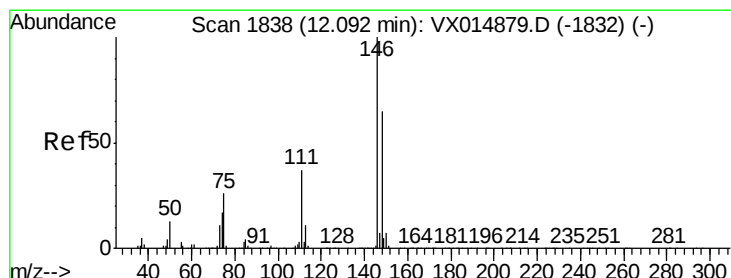
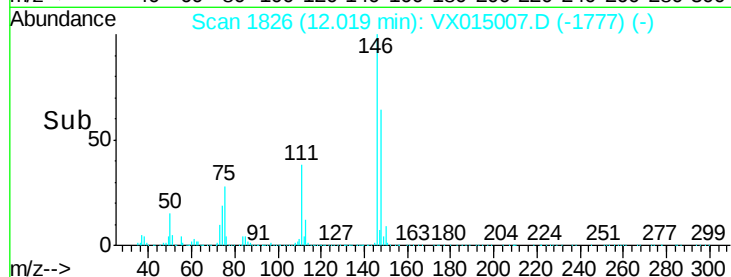
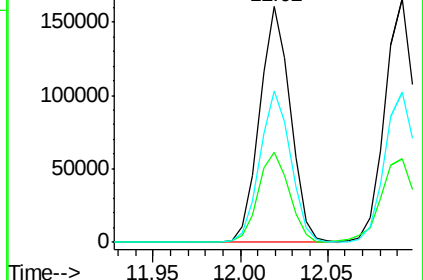
148 64.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.11 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

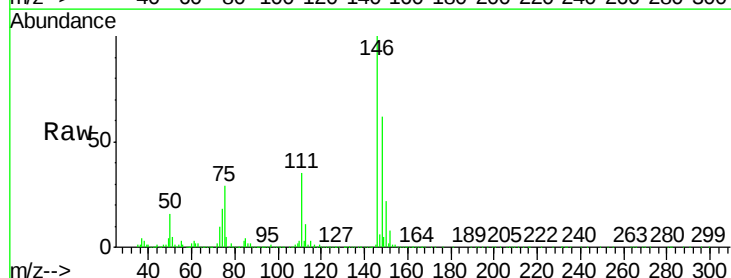
Tgt Ion:146 Resp: 198046

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.6

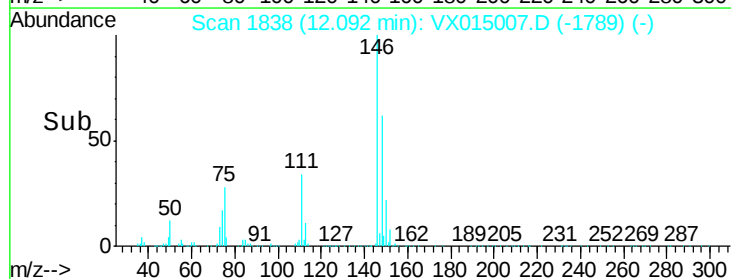
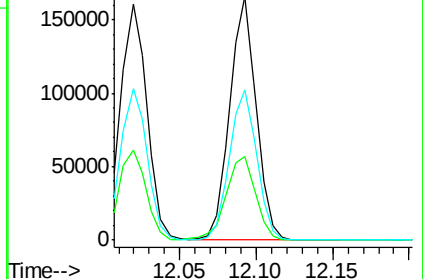
148 64.2 32.4 97.0

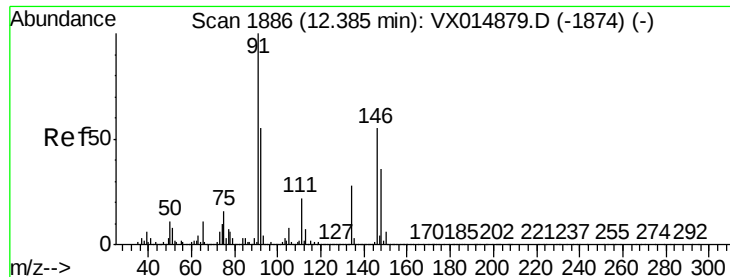


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.53 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

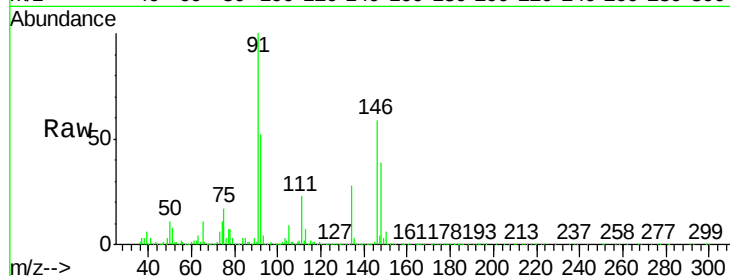
Tgt Ion: 91 Resp: 325961

Ion Ratio Lower Upper

91 100

92 54.0 27.3 81.8

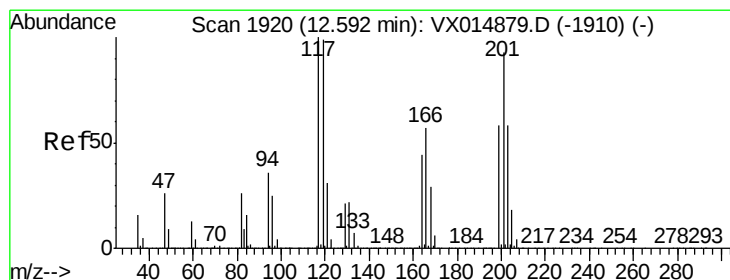
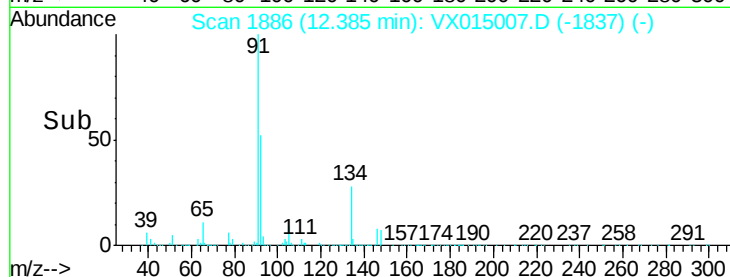
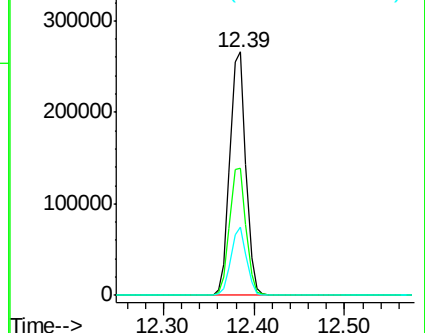
134 27.2 13.8 41.4



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: 20.36 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX015007.D

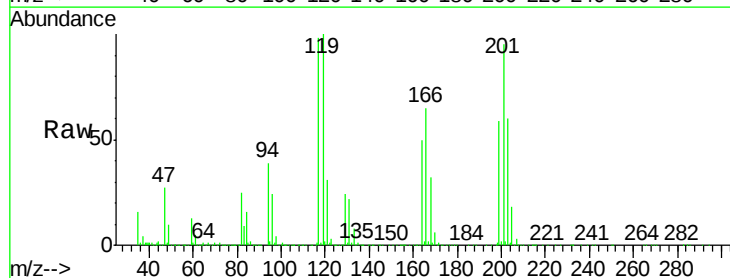
Acq: 26 Feb 2020 09:55

Tgt Ion: 117 Resp: 66273

Ion Ratio Lower Upper

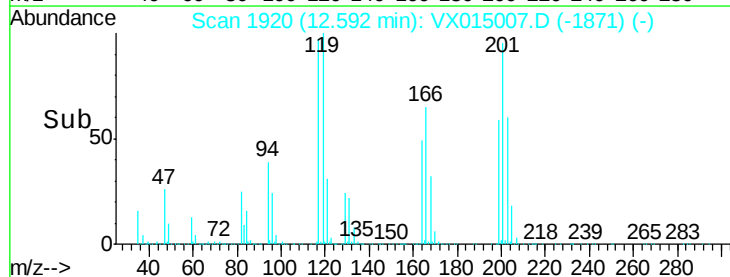
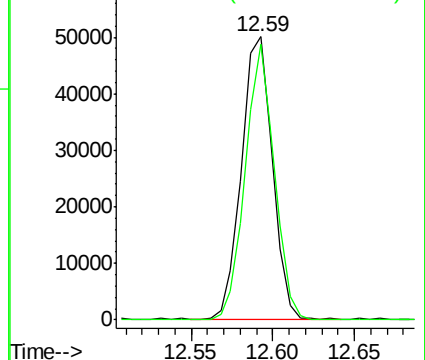
117 100

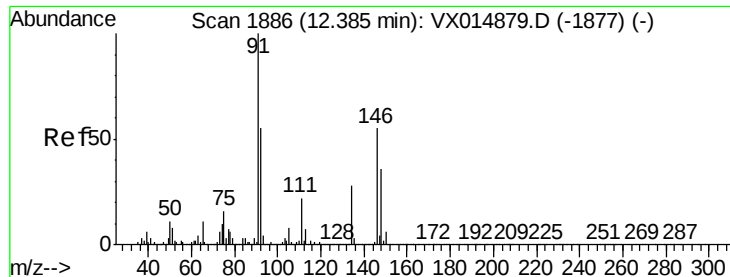
201 91.5 44.8 134.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.80 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0226WBS01

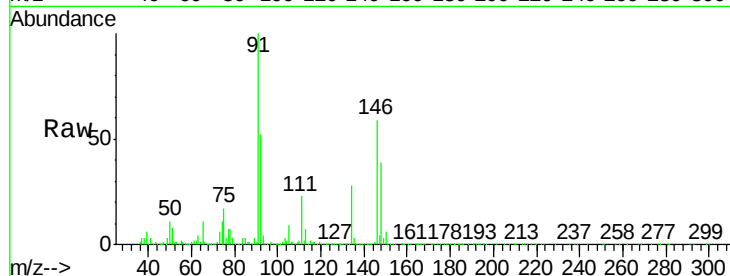
Tgt Ion: 146 Resp: 196986

Ion Ratio Lower Upper

146 100

111 40.0 19.8 59.3

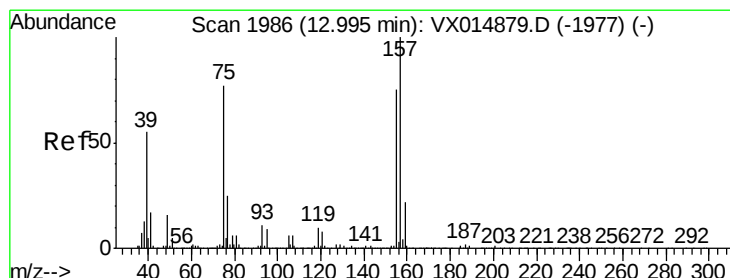
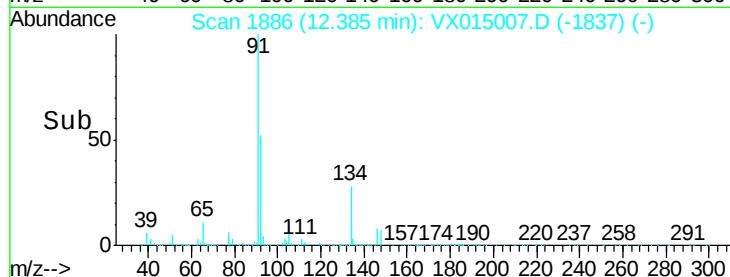
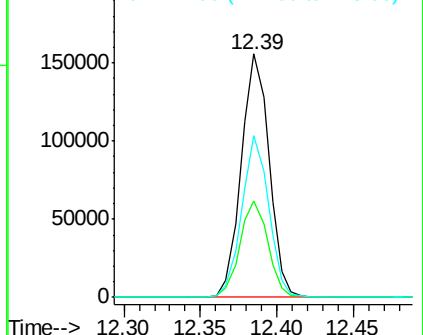
148 64.1 32.4 97.2



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: 19.01 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX015007.D

Acq: 26 Feb 2020 09:55

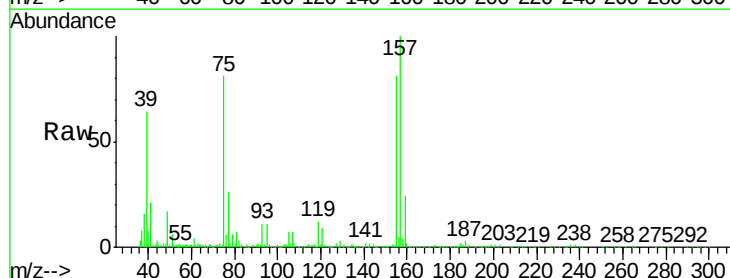
Tgt Ion: 75 Resp: 29541

Ion Ratio Lower Upper

75 100

155 95.3 48.6 145.9

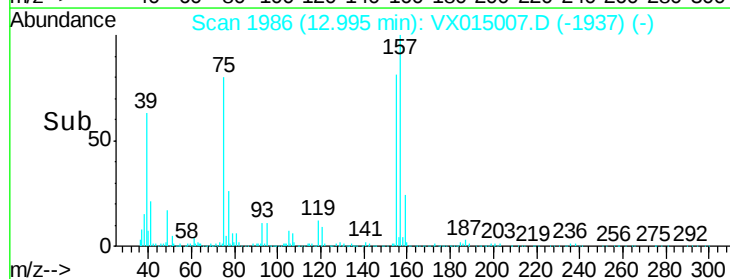
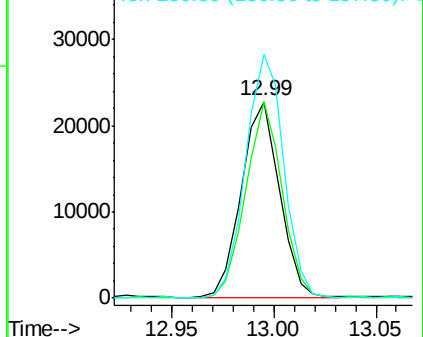
157 124.6 62.0 186.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

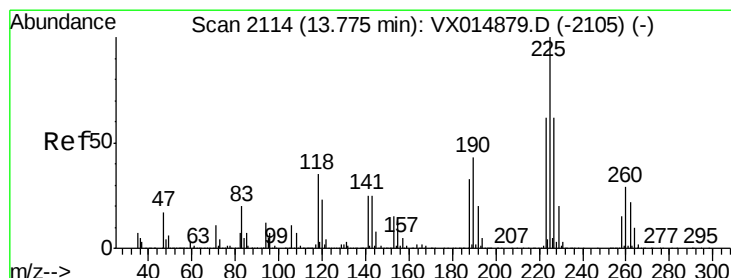
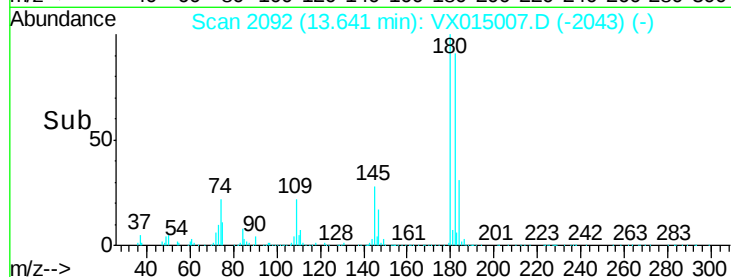
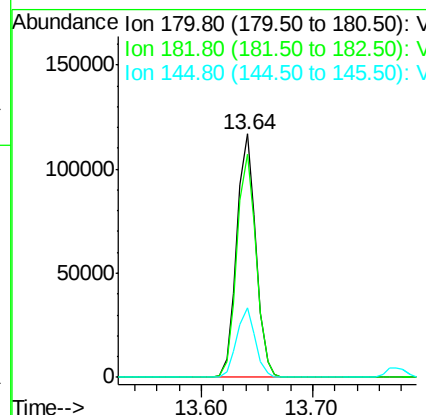
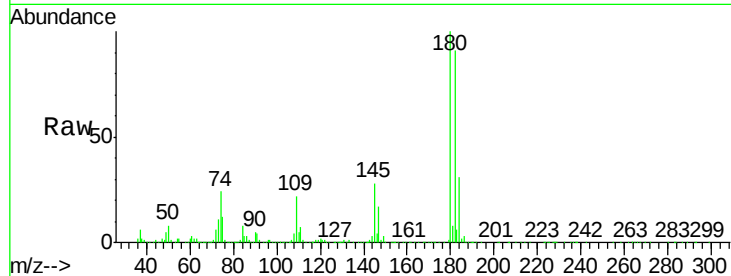




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.89 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

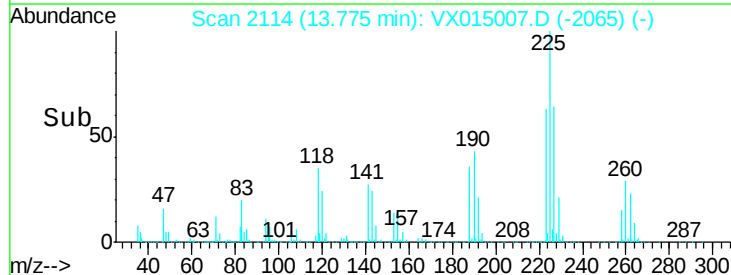
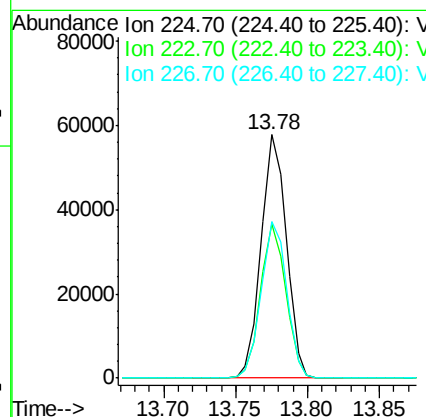
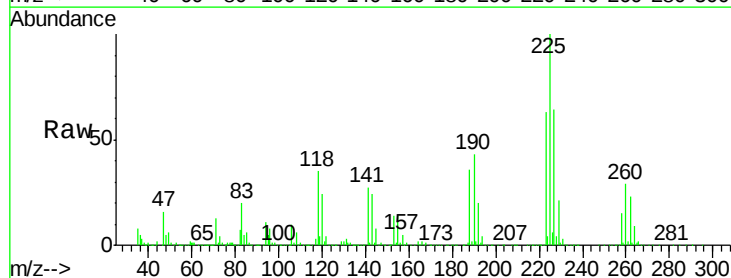
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0226WBS01

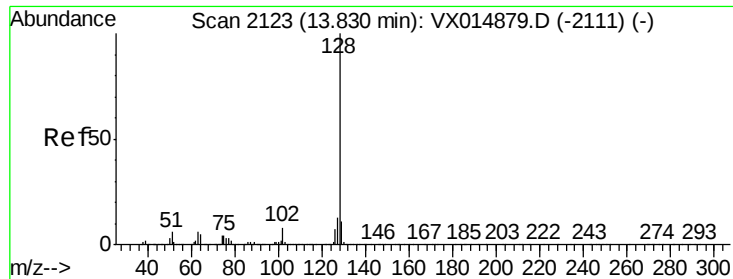
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.0  | 48.4  | 145.3 |
| 145     | 28.0  | 14.1  | 42.4  |



#94  
 Hexachlorobutadiene  
 Concen: 19.66 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. -0.00 min  
 Lab File: VX015007.D  
 Acq: 26 Feb 2020 09:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 31.1  | 93.2  |
| 227     | 65.0  | 30.9  | 92.5  |

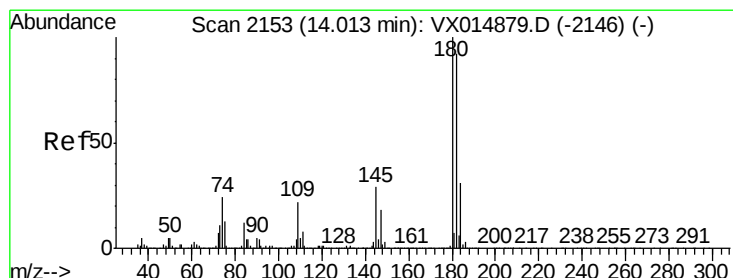
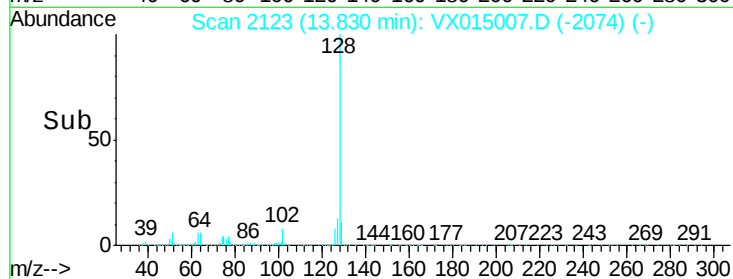
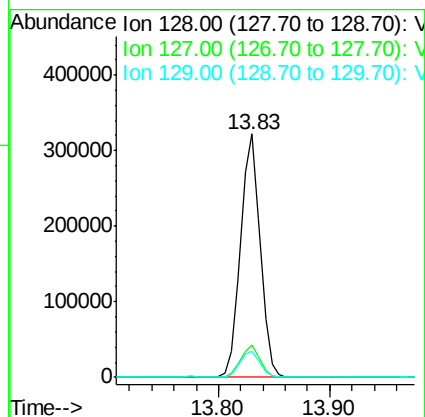
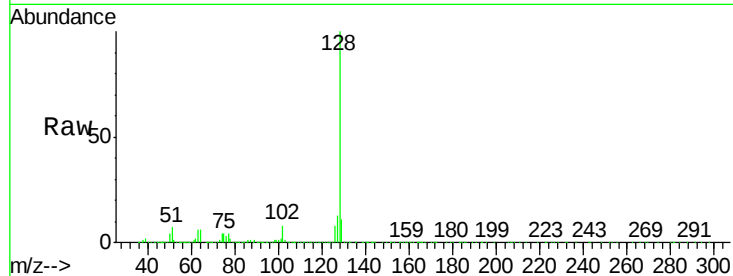




#95  
Naphthalene  
Concen: 20.17 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. -0.00 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0226WBS01

Tgt Ion:128 Resp: 393832  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.4 15.6  
129 11.0 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 19.66 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. -0.00 min  
Lab File: VX015007.D  
Acq: 26 Feb 2020 09:55

Tgt Ion:180 Resp: 139512  
Ion Ratio Lower Upper  
180 100  
182 92.5 47.5 142.6  
145 30.1 14.5 43.5

