

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022720\  
 Data File : VX015036.D  
 Acq On : 27 Feb 2020 10:33  
 Operator : JC/SP  
 Sample : VX0227WBS02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227WBS02

Quant Time: Mar 10 11:17:38 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  | 446950   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 660152   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 610541   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 324820   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 233552   | 46.30 | ug/l   | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 92.60% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 192402   | 47.41 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.82% |          |
| 50) Toluene-d8              | 8.71  | 98   | 743418   | 47.99 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.98% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 274093   | 49.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.24% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 74123    | 17.512  | ug/l  | 100    |
| 3) Chloromethane              | 1.32 | 50   | 92048    | 19.182  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.40 | 62   | 94507    | 18.282  | ug/l  | 96     |
| 5) Bromomethane               | 1.64 | 94   | 56931    | 17.014  | ug/l  | 100    |
| 6) Chloroethane               | 1.72 | 64   | 61762    | 18.672  | ug/l  | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 124469   | 17.233  | ug/l  | 97     |
| 8) Diethyl Ether              | 2.18 | 74   | 53163    | 17.750  | ug/l  | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 80349    | 19.165  | ug/l  | 98     |
| 10) Methyl Iodide             | 2.50 | 142  | 76370    | 19.281  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 3.02 | 59   | 90560    | 101.682 | ug/l  | 97     |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 75054    | 18.320  | ug/l  | 97     |
| 13) Acrolein                  | 2.28 | 56   | 51277    | 75.541  | ug/l  | 100    |
| 14) Allyl chloride            | 2.72 | 41   | 135695   | 18.682  | ug/l  | 97     |
| 15) Acrylonitrile             | 3.12 | 53   | 232358   | 102.914 | ug/l  | 99     |
| 16) Acetone                   | 2.43 | 43   | 258018   | 88.149  | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 183218   | 16.007  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.76 | 43   | 111734   | 21.994  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73   | 256560   | 19.243  | ug/l  | 97     |
| 20) Methylene Chloride        | 2.84 | 84   | 86539    | 17.834  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 81871    | 18.111  | ug/l  | 97     |
| 22) Diisopropyl ether         | 3.84 | 45   | 280413   | 20.214  | ug/l  | 97     |
| 23) Vinyl Acetate             | 3.80 | 43   | 1158085  | 101.269 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 152053   | 19.421  | ug/l  | 100    |
| 25) 2-Butanone                | 4.65 | 43   | 341023   | 99.306  | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.57 | 77   | 121140   | 17.954  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96   | 96020    | 19.002  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.00 | 49   | 65282    | 21.512  | ug/l  | 96     |
| 29) Tetrahydrofuran           | 5.11 | 42   | 200585   | 102.751 | ug/l  | 99     |
| 30) Chloroform                | 5.20 | 83   | 151067   | 19.448  | ug/l  | 98     |
| 31) Cyclohexane               | 5.56 | 56   | 131123   | 18.388  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 124822   | 18.370  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 110569   | 18.724  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.81 | 43   | 124992   | 20.294  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.77 | 117  | 106424   | 18.493  | ug/l  | 98     |

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 Sample : VX0227WBS02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227WBS02

Quant Time: Mar 10 11:17:38 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   | 132838   | 17.987  | ug/l   | 98       |
| 40) Benzene                    | 6.13  | 78   | 343749   | 19.483  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.02  | 41   | 68015    | 20.499  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 119283   | 18.705  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 199524   | 19.638  | ug/l   | 100      |
| 44) Trichloroethene            | 7.20  | 130  | 97451    | 19.026  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 88064    | 19.571  | ug/l   | 99       |
| 46) Dibromomethane             | 7.65  | 93   | 57914    | 18.829  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 115966   | 19.015  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 98793    | 19.758  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 38926    | 416.375 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 634538   | 103.430 | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 215752   | 19.253  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 128446   | 19.218  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 138952   | 18.819  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 88610    | 19.544  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 135768   | 19.923  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 150810   | 19.760  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 346986   | 97.358  | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.48  | 43   | 501085   | 103.913 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 93659    | 19.196  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 93227    | 19.057  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 96707    | 16.941  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.13 | 112  | 237693   | 19.195  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 87934    | 19.559  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 410204   | 19.478  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.35 | 106  | 315414   | 38.877  | ug/l   | 99       |
| 69) o-Xylene                   | 10.69 | 106  | 149641   | 19.187  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 261343   | 19.808  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 70939    | 18.904  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 411396   | 20.196  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 167813   | 19.827  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 136867   | 20.555  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 152103   | 25.895  | ug/l   | 94       |
| 77) Bromobenzene               | 11.25 | 156  | 108452   | 19.075  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 468222   | 19.874  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 275139   | 19.865  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 341044   | 20.038  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 41751    | 18.194  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 321948   | 19.628  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 331382   | 20.561  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 344599   | 20.090  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 397372   | 19.846  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 375029   | 20.016  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 193429   | 18.964  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 199438   | 19.148  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 327807   | 19.535  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 64552    | 19.728  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 191491   | 19.145  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 28528    | 18.262  | ug/l   | 97       |

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Acq On : 27 Feb 2020 10:33  
Operator : JC/SP  
Sample : VX0227WBS02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

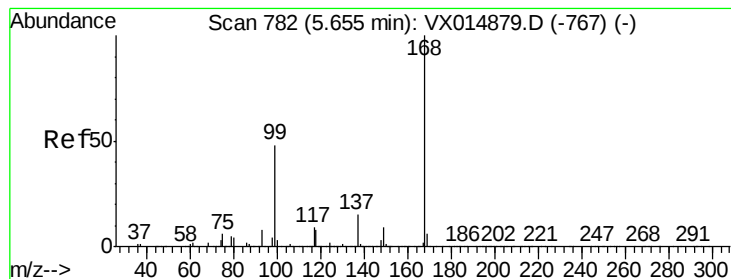
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

Quant Time: Mar 10 11:17:38 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) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 139027   | 18.831 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 70786    | 19.823 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 387512   | 19.741 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 135018   | 18.929 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

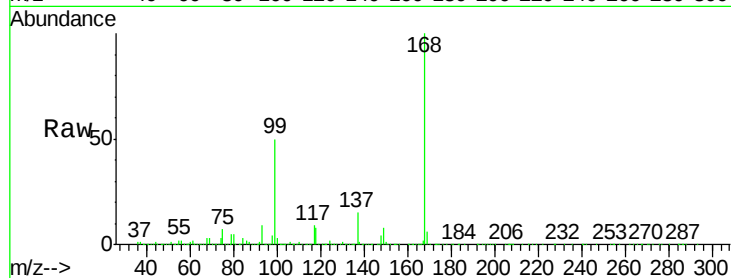
VX0227WBS02

Tot Ion:168 Resp: 446950

Ion Ratio Lower Upper

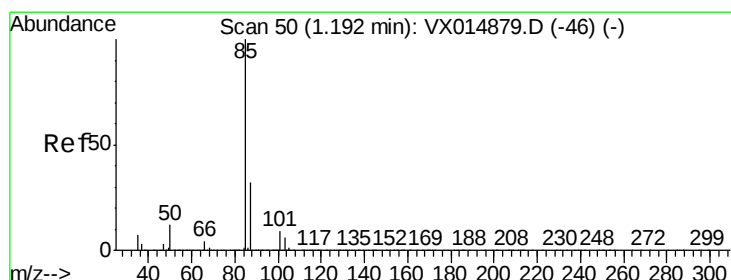
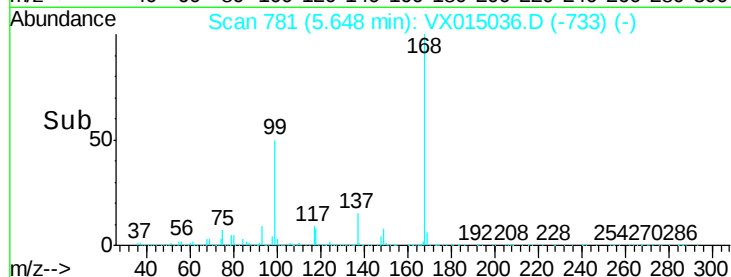
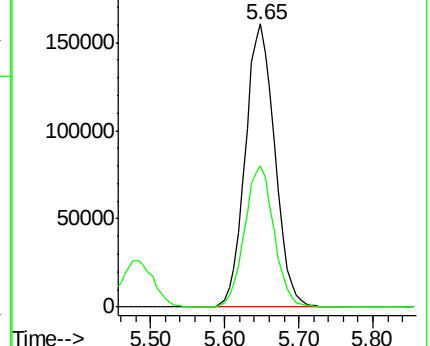
168 100

99 49.6 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.512 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015036.D

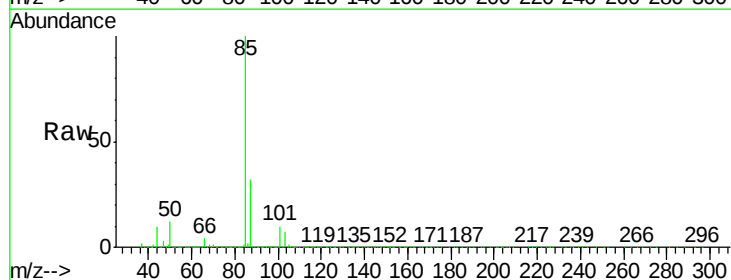
Acq: 27 Feb 2020 10:33

Tgt Ion: 85 Resp: 74123

Ion Ratio Lower Upper

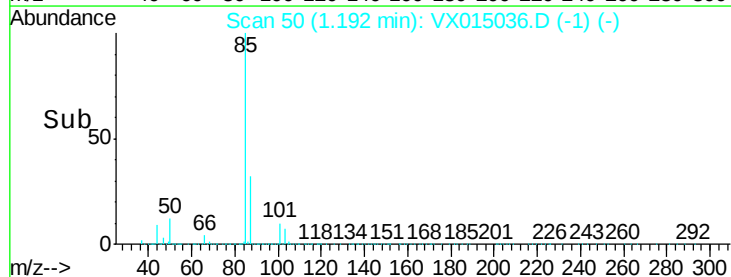
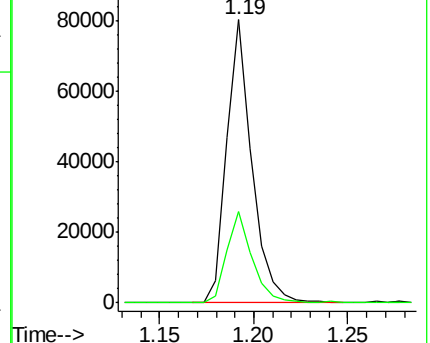
85 100

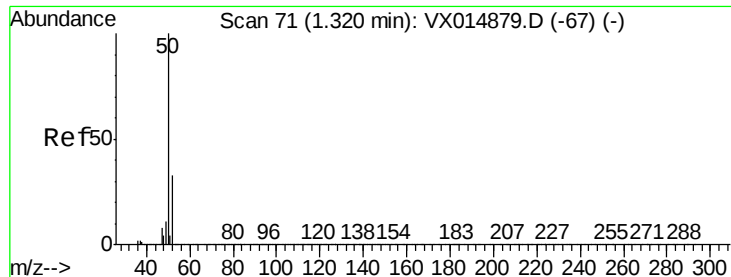
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

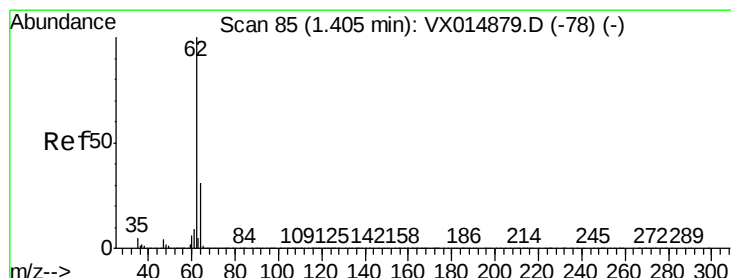
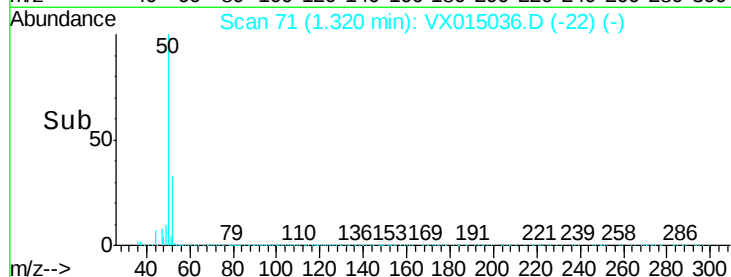
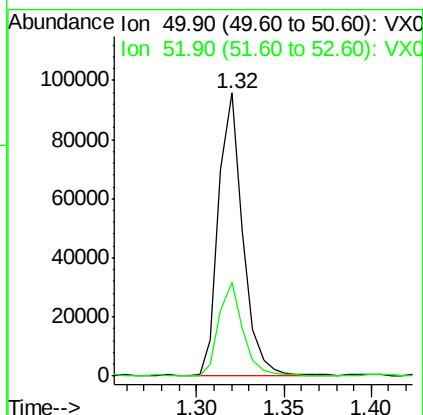
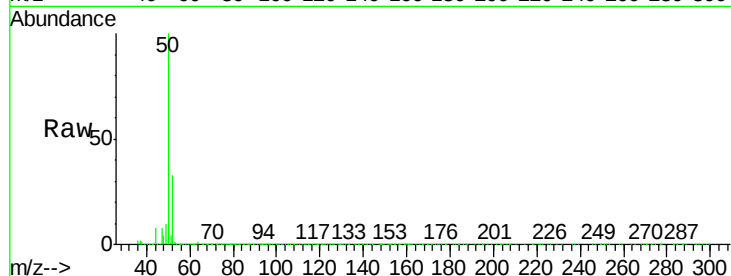




#3  
Chloromethane  
Concen: 19.182 ug/l  
RT: 1.32 min Scan# 71  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

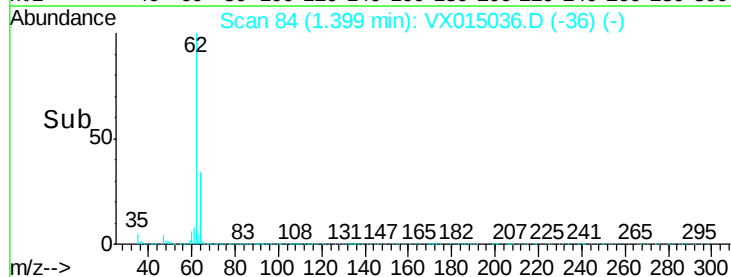
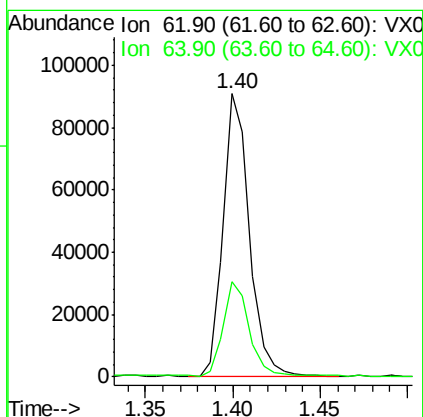
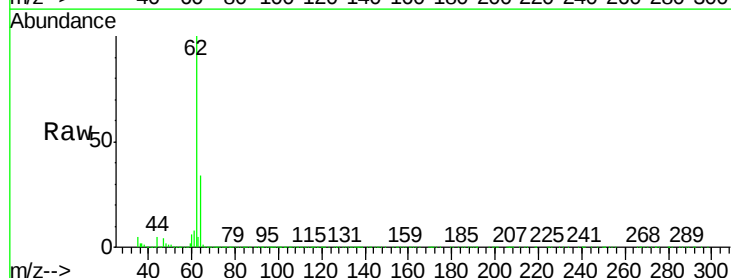
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0227WBS02

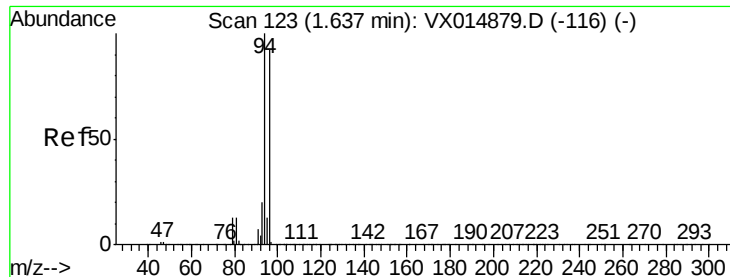
Tot Ion: 50 Resp: 92048  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.2 39.2



#4  
Vinyl Chloride  
Concen: 18.282 ug/l  
RT: 1.40 min Scan# 84  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 62 Resp: 94507  
Ion Ratio Lower Upper  
62 100  
64 33.4 24.8 37.2





#5

Bromomethane

Concen: 17.014 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

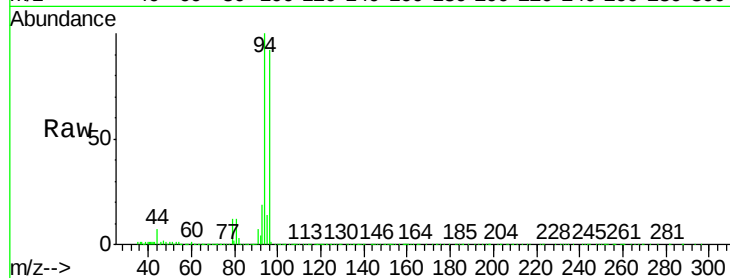
VX0227WBS02

Tot Ion: 94 Resp: 56931

Ion Ratio Lower Upper

94 100

96 92.1 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

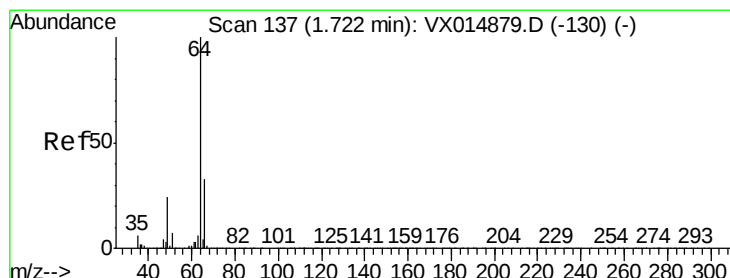
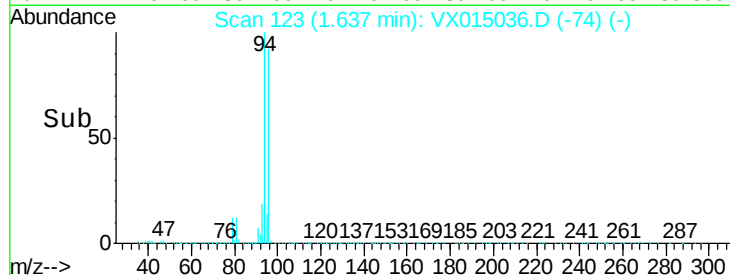
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 18.672 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015036.D

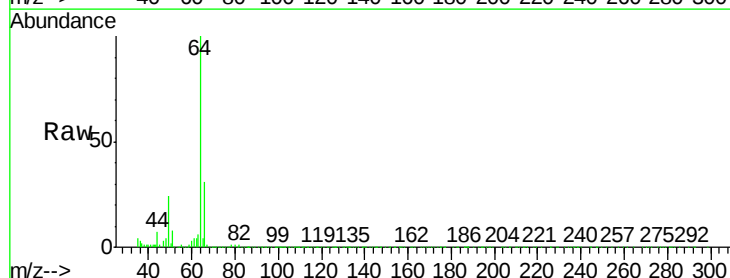
Acq: 27 Feb 2020 10:33

Tgt Ion: 64 Resp: 61762

Ion Ratio Lower Upper

64 100

66 31.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

50000

40000

30000

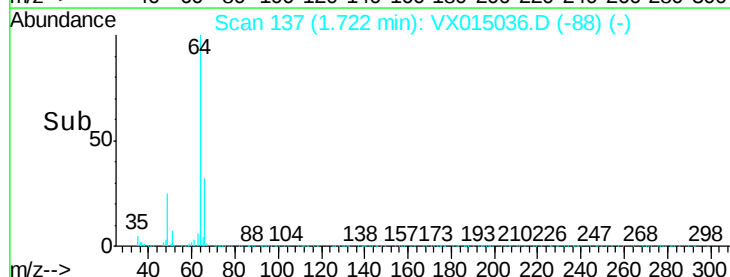
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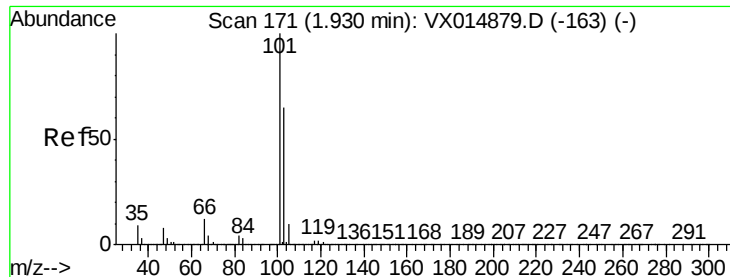
10000

0

Time-->

1.60 1.70 1.80



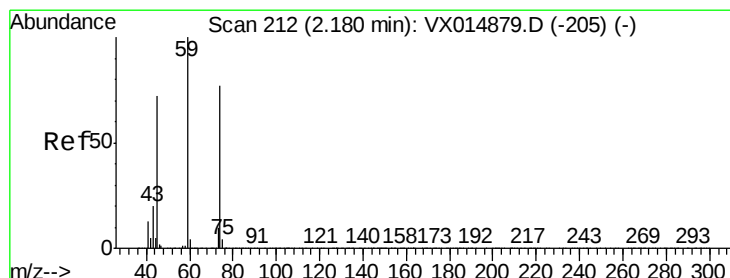
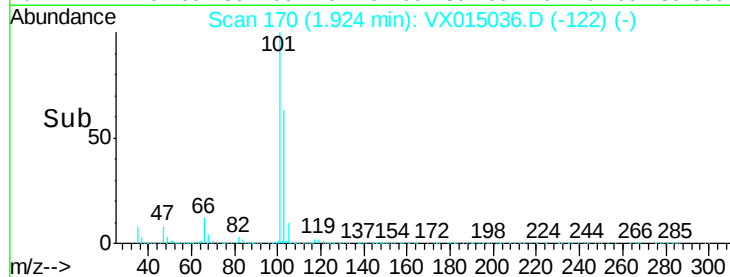
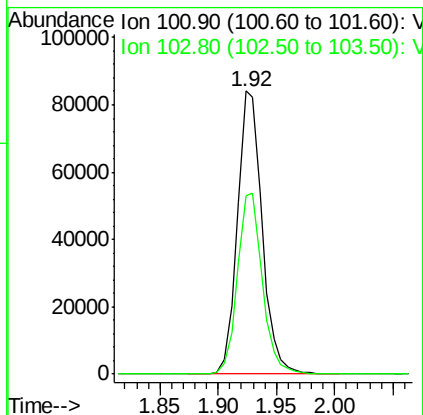
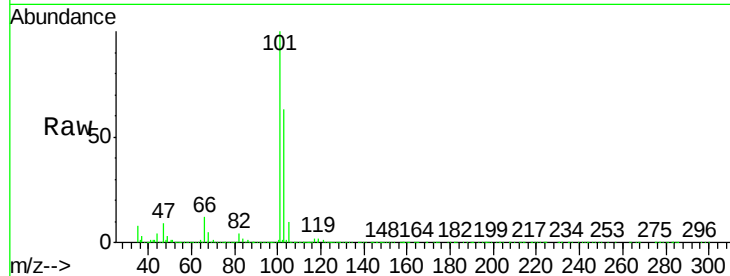


#7

Trichlorofluoromethane  
 Concen: 17.233 ug/l  
 RT: 1.92 min Scan# 170  
 Delta R.T. -0.01 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227WBS02

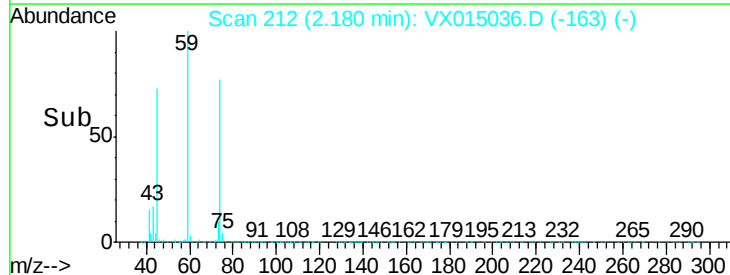
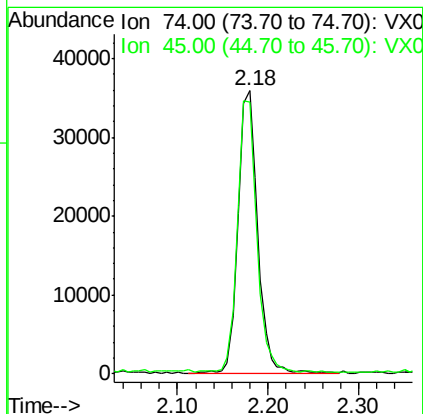
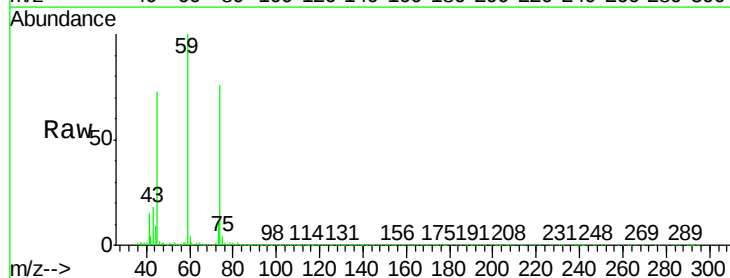
Tot Ion:101 Resp: 124469  
 Ion Ratio Lower Upper  
 101 100  
 103 63.1 52.2 78.4

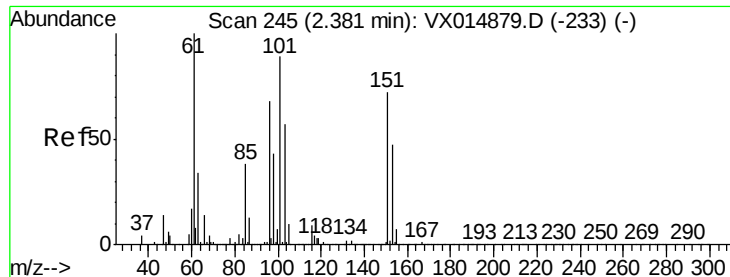


#8

Diethyl Ether  
 Concen: 17.750 ug/l  
 RT: 2.18 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

Tgt Ion: 74 Resp: 53163  
 Ion Ratio Lower Upper  
 74 100  
 45 96.6 46.6 139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.165 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

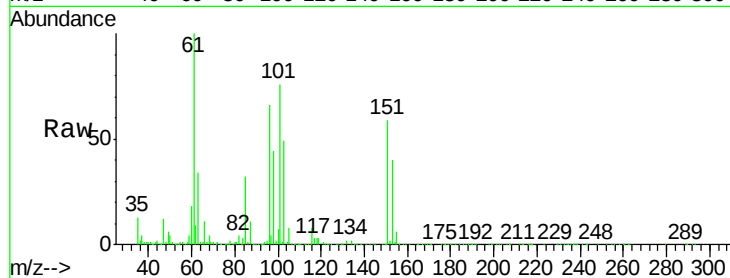
Tot Ion:101 Resp: 80349

Ion Ratio Lower Upper

101 100

85 42.4 34.1 51.1

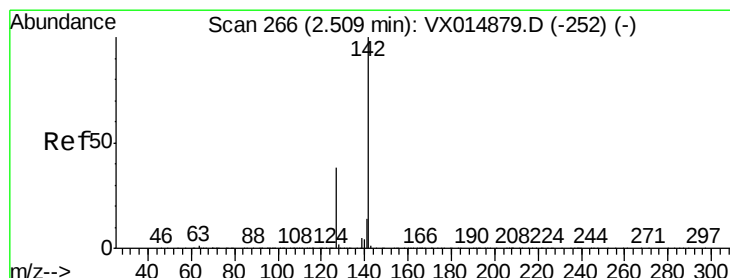
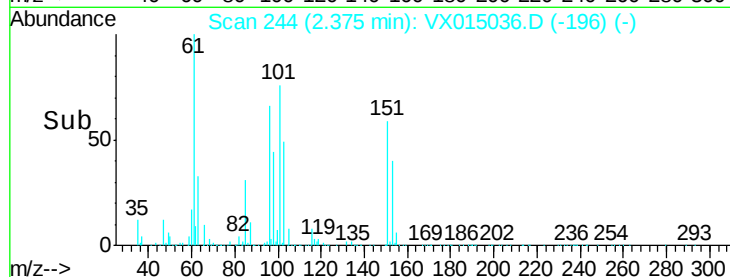
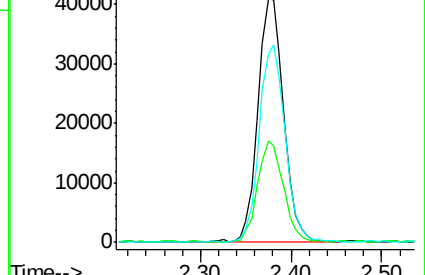
151 82.0 67.3 100.9



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: 19.281 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

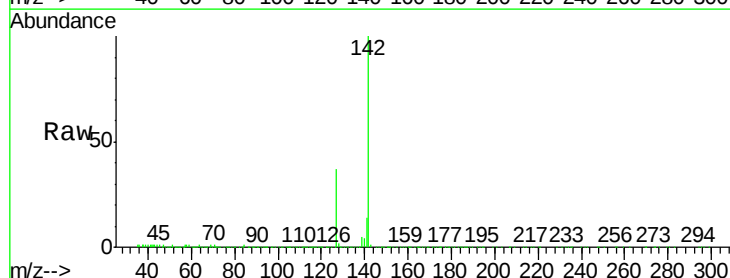
Tgt Ion:142 Resp: 76370

Ion Ratio Lower Upper

142 100

127 38.6 31.1 46.7

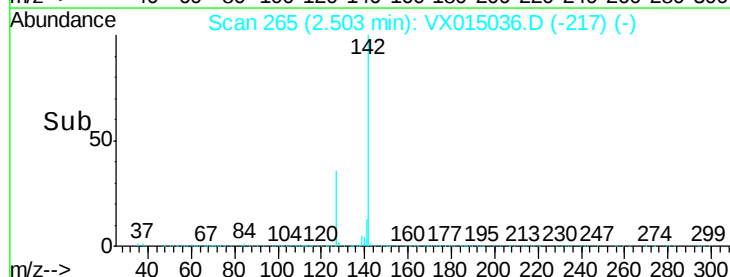
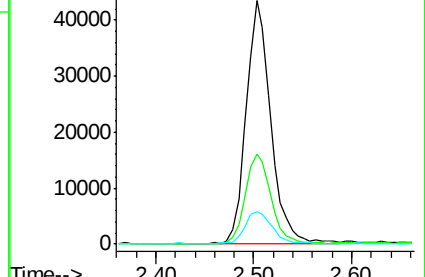
141 15.4 11.3 16.9

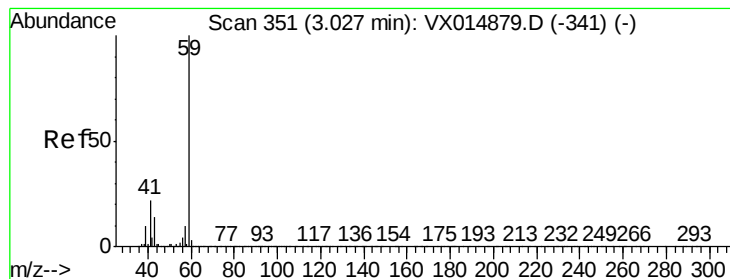


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



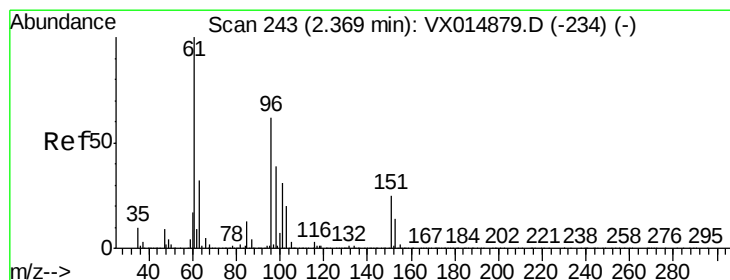
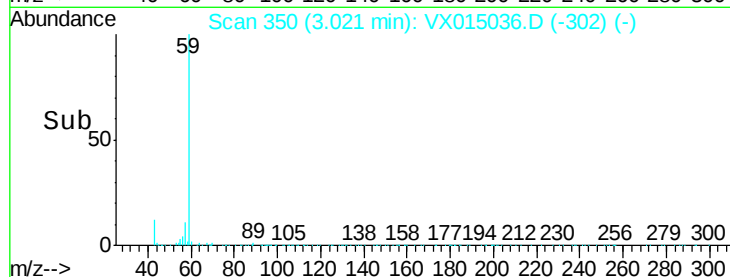
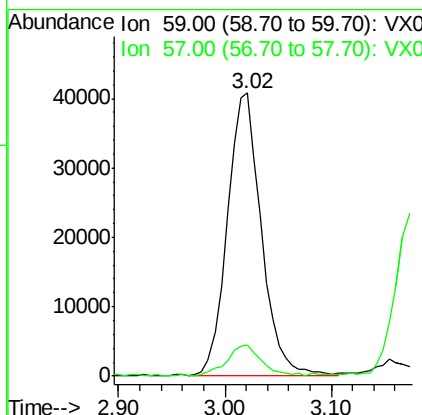
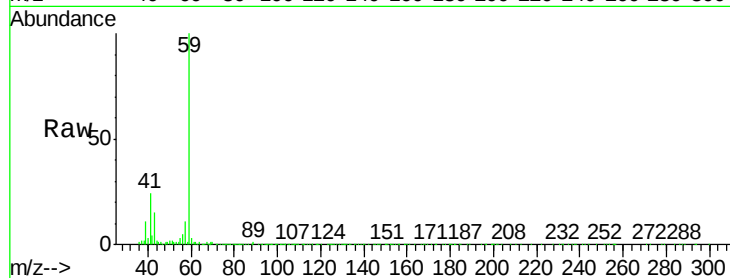


#11

Tert butyl alcohol  
 Concen: 101.682 ug/l  
 RT: 3.02 min Scan# 350  
 Delta R.T. -0.01 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227WBS02

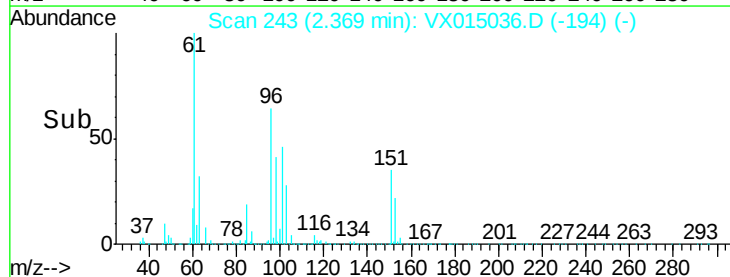
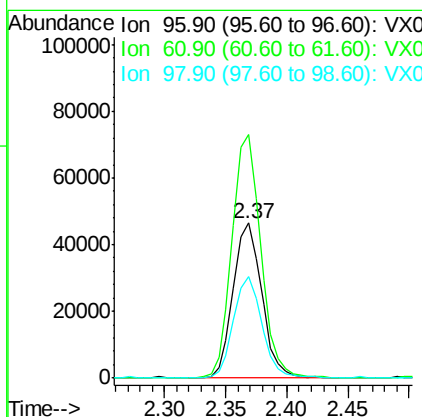
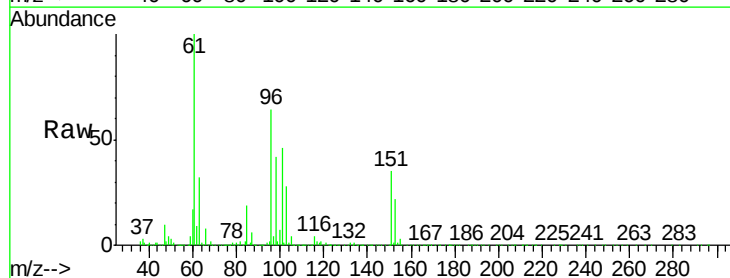
Tot Ion: 59 Resp: 90560  
 Ion Ratio Lower Upper  
 59 100  
 57 11.5 8.2 12.4

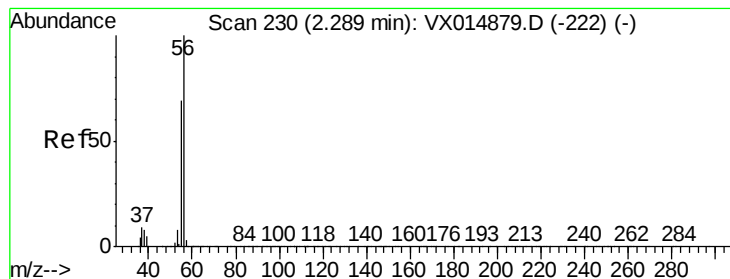


#12

1,1-Dichloroethene  
 Concen: 18.320 ug/l  
 RT: 2.37 min Scan# 243  
 Delta R.T. -0.00 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

Tgt Ion: 96 Resp: 75054  
 Ion Ratio Lower Upper  
 96 100  
 61 157.3 129.5 194.3  
 98 65.2 50.6 76.0





#13

Acrolein

Concen: 75.541 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

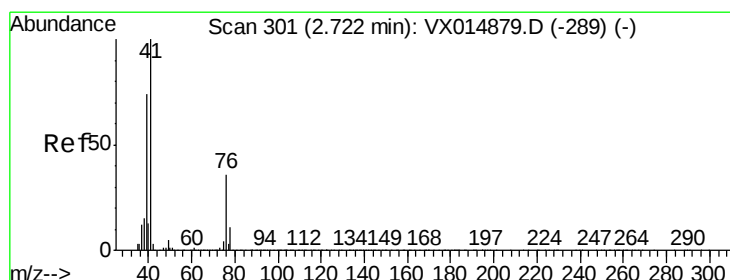
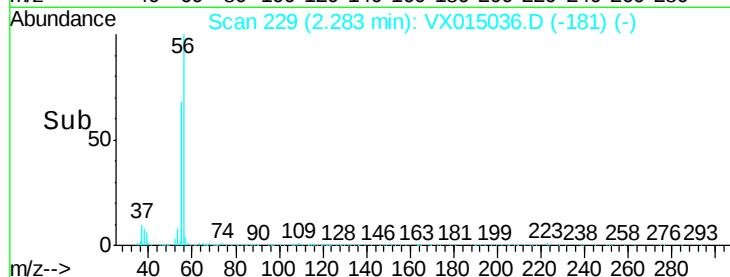
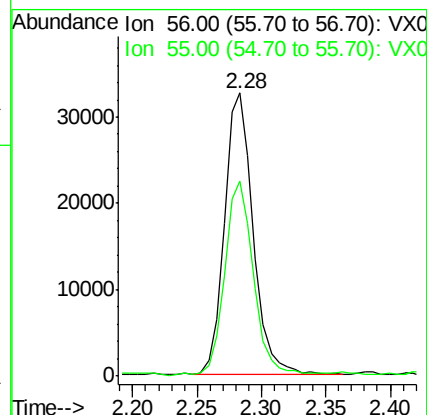
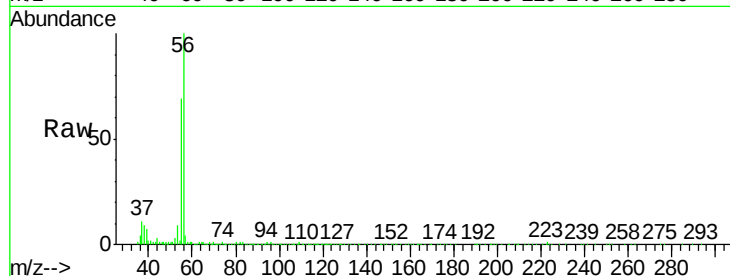
VX0227WBS02

Tot Ion: 56 Resp: 51277

Ion Ratio Lower Upper

56 100

55 68.8 55.0 82.4



#14

Allyl chloride

Concen: 18.682 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

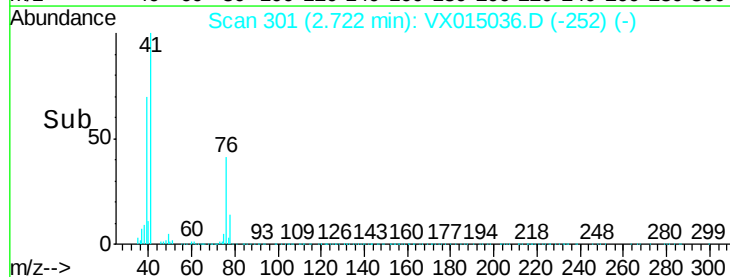
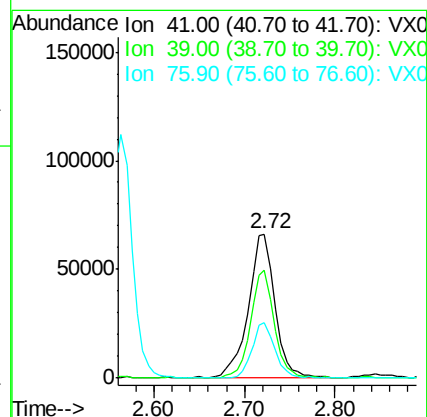
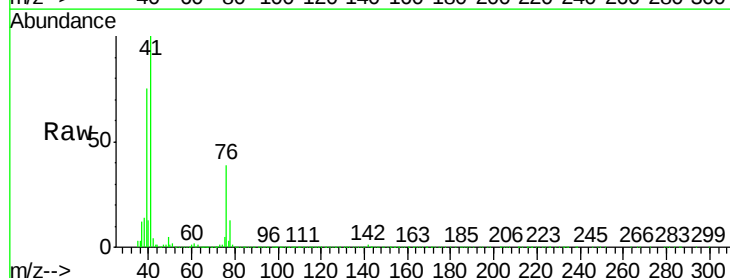
Tgt Ion: 41 Resp: 135695

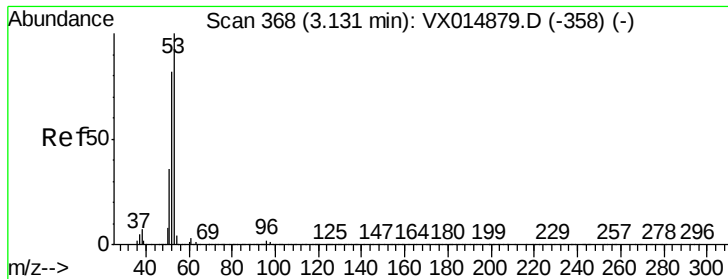
Ion Ratio Lower Upper

41 100

39 66.0 55.2 82.8

76 32.6 26.8 40.2





#15

Acrylonitrile

Concen: 102.914 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

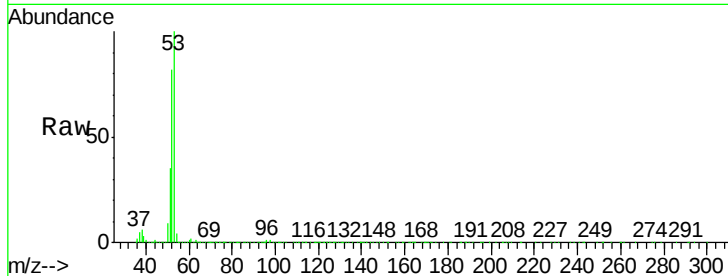
Tot Ion: 53 Resp: 232358

Ion Ratio Lower Upper

53 100

52 82.9 65.8 98.6

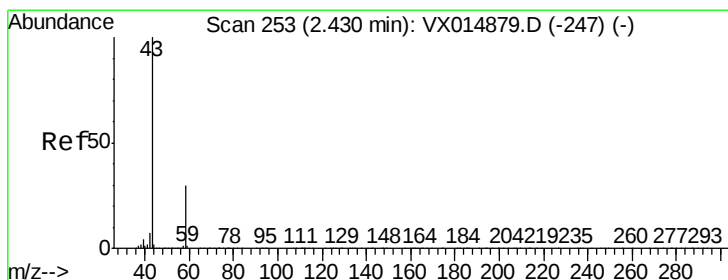
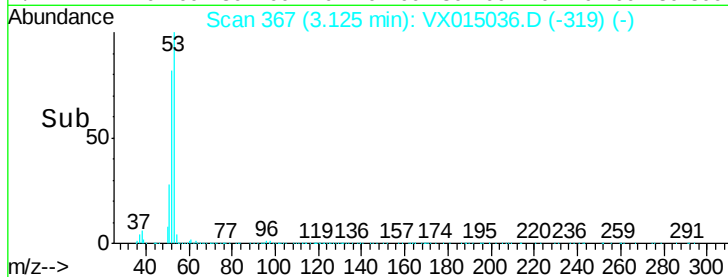
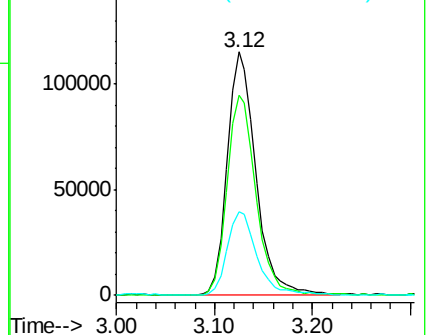
51 35.6 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 88.149 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015036.D

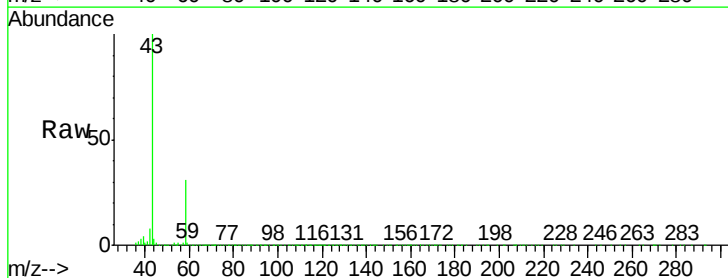
Acq: 27 Feb 2020 10:33

Tgt Ion: 43 Resp: 258018

Ion Ratio Lower Upper

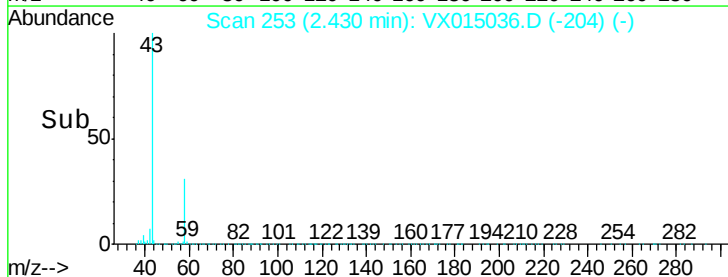
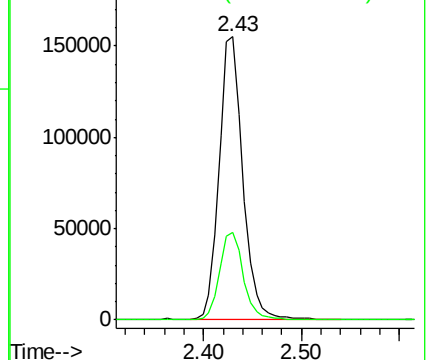
43 100

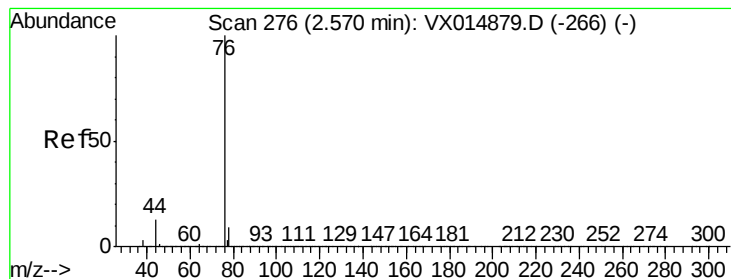
58 30.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.007 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

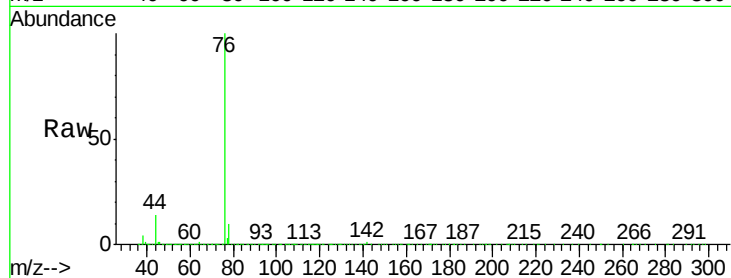
VX0227WBS02

Tot Ion: 76 Resp: 183218

Ion Ratio Lower Upper

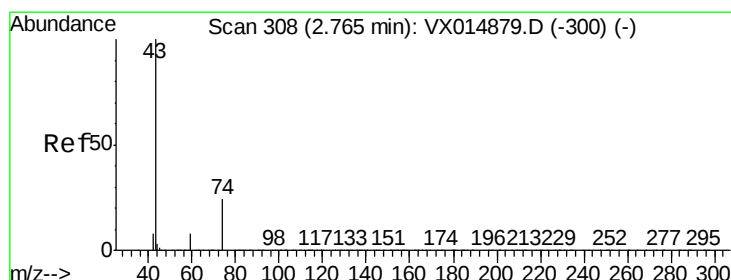
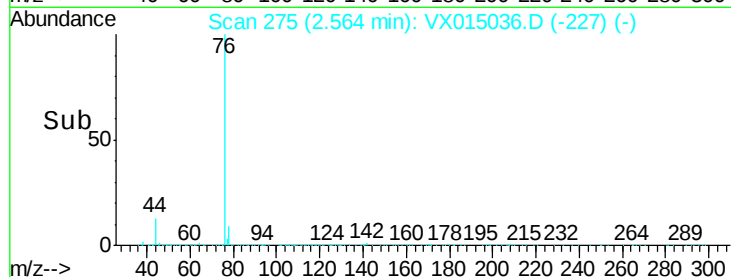
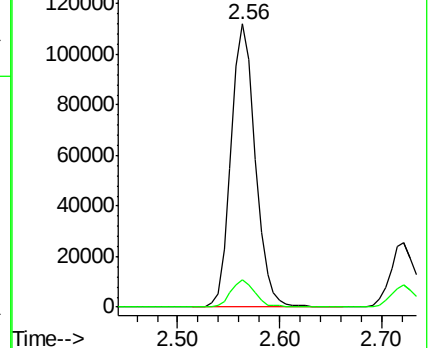
76 100

78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.994 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX015036.D

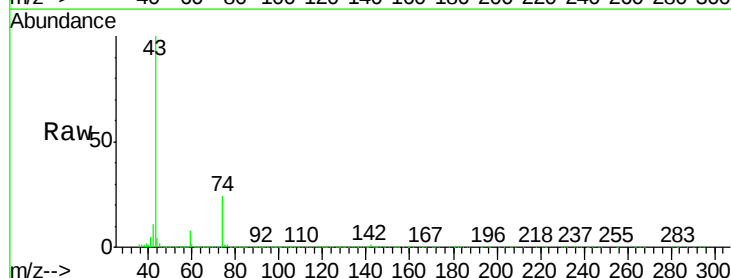
Acq: 27 Feb 2020 10:33

Tgt Ion: 43 Resp: 111734

Ion Ratio Lower Upper

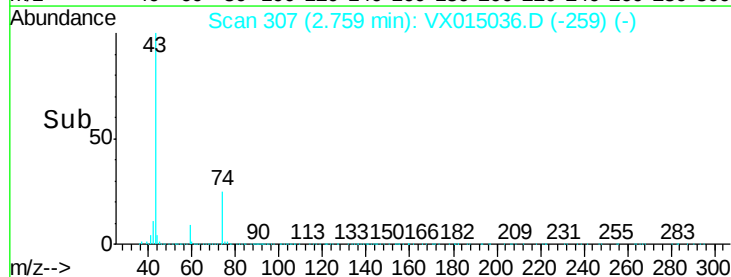
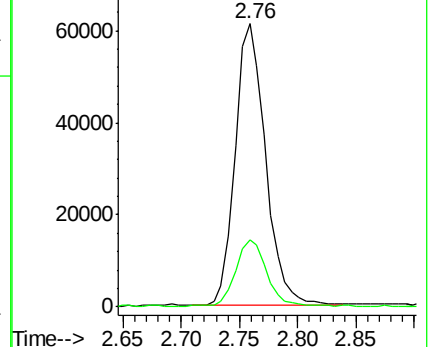
43 100

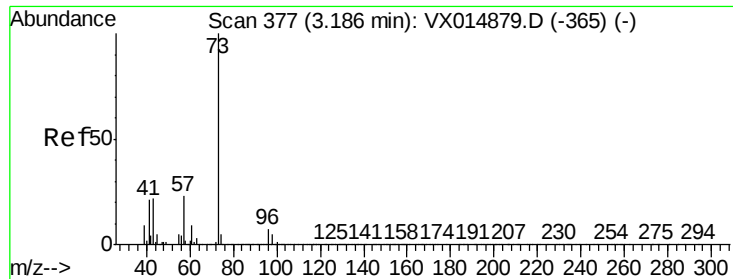
74 23.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

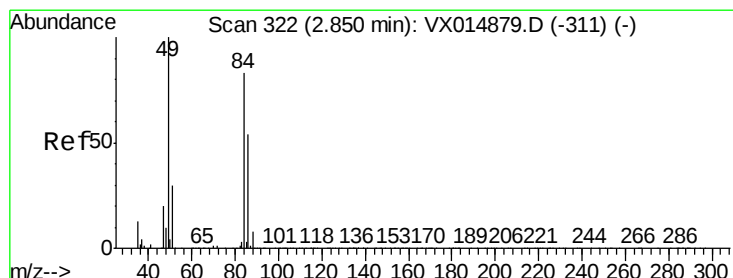
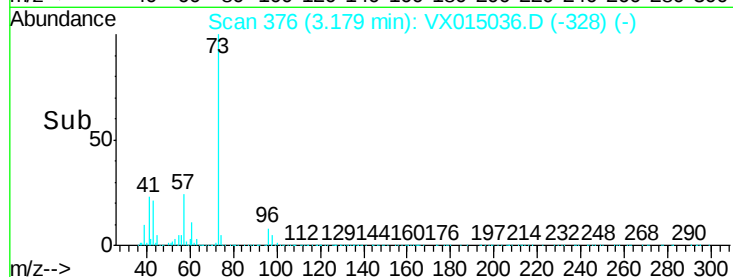
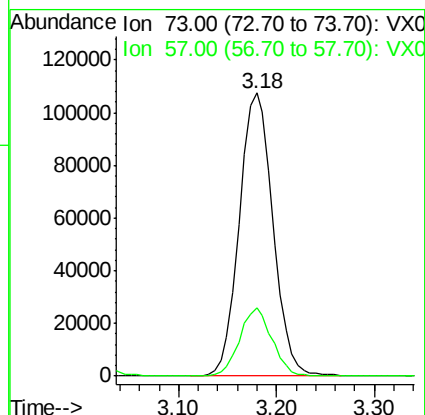
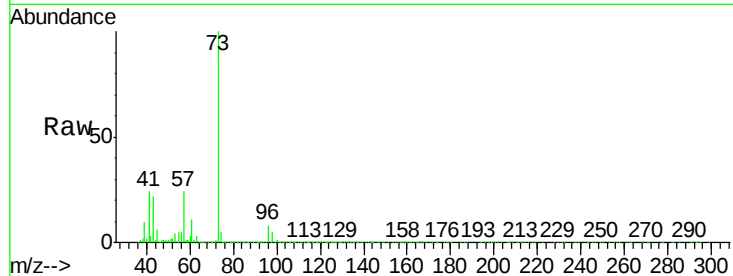




#19  
Methvl tert-butvl Ether  
Concen: 19.243 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

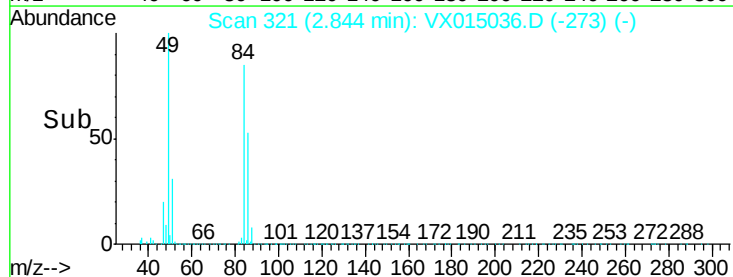
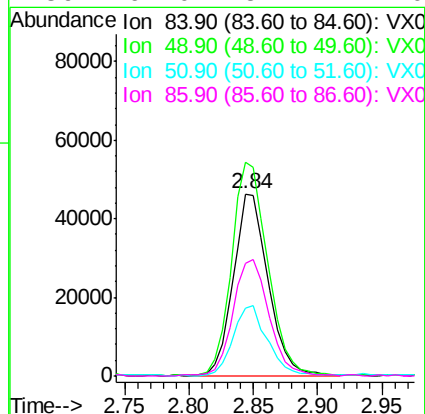
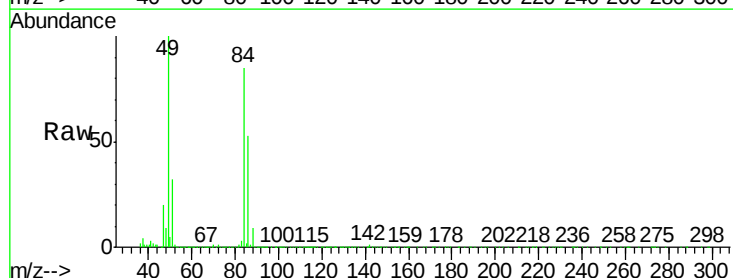
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

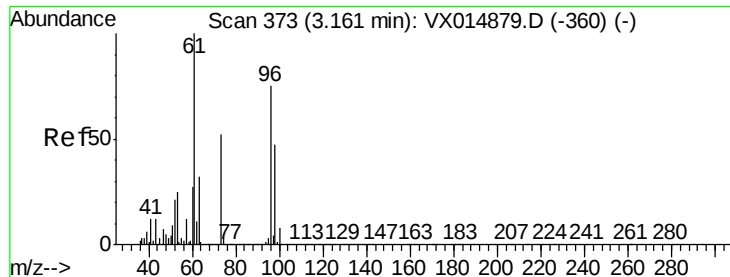
Tot Ion: 73 Resp: 256560  
Ion Ratio Lower Upper  
73 100  
57 24.1 18.2 27.4



#20  
Methylene Chloride  
Concen: 17.834 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 84 Resp: 86539  
Ion Ratio Lower Upper  
84 100  
49 116.9 95.6 143.4  
51 36.9 29.0 43.6  
86 62.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.111 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

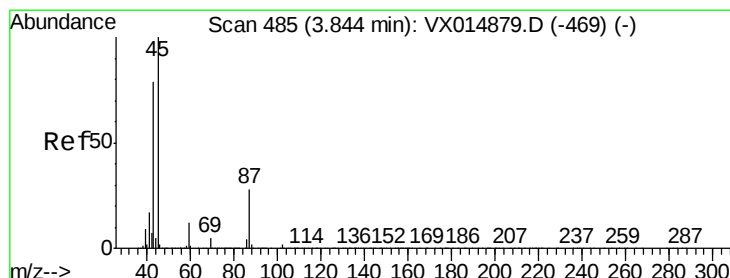
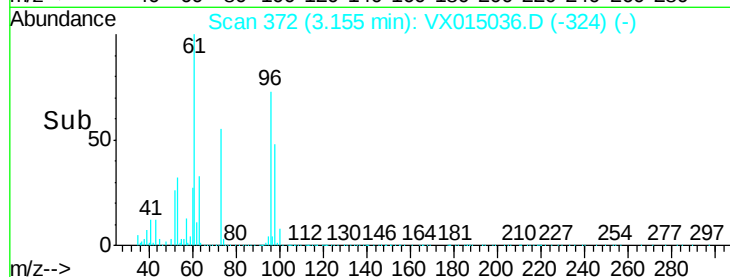
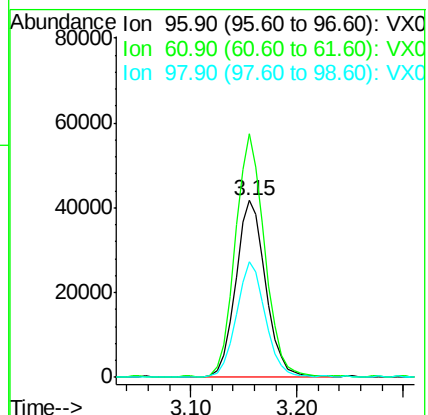
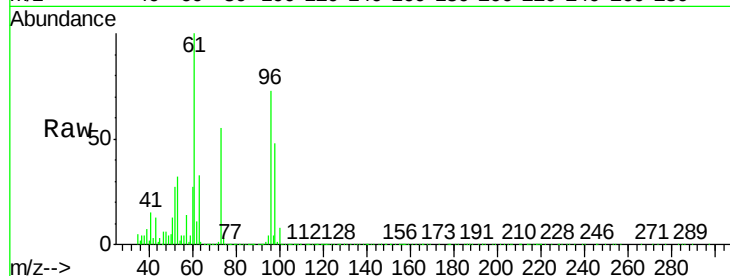
Tot Ion: 96 Resp: 81871

Ion Ratio Lower Upper

96 100

61 137.5 106.9 160.3

98 65.4 50.7 76.1



#22

Diisopropyl ether

Concen: 20.214 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion: 45 Resp: 280413

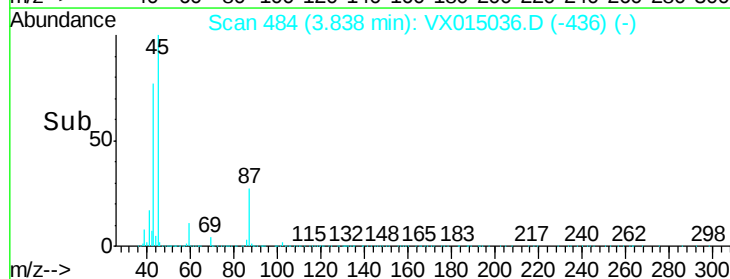
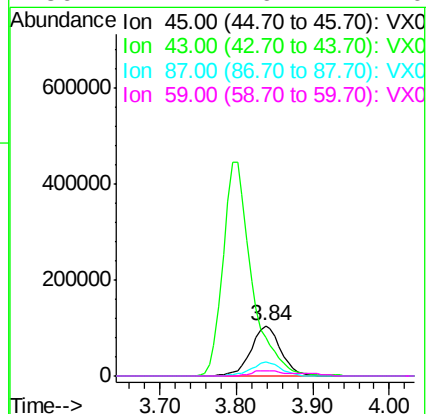
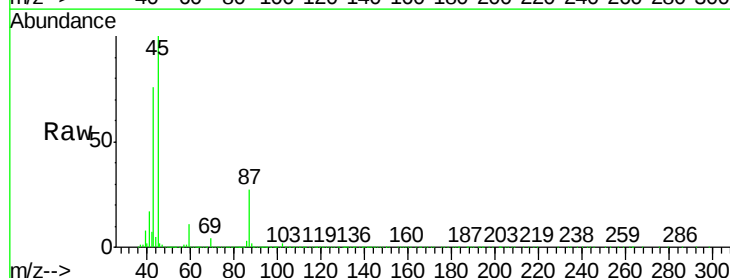
Ion Ratio Lower Upper

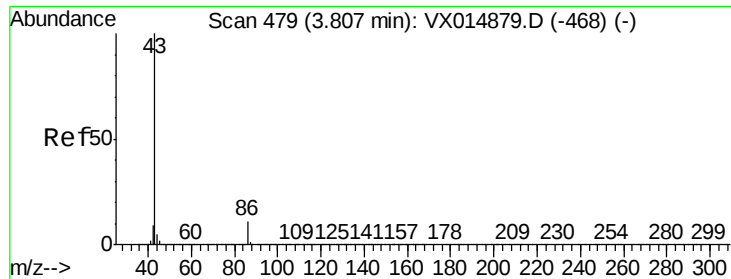
45 100

43 76.2 63.5 95.3

87 27.2 22.2 33.4

59 11.1 9.4 14.0





#23

Vinyl Acetate

Concen: 101.269 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

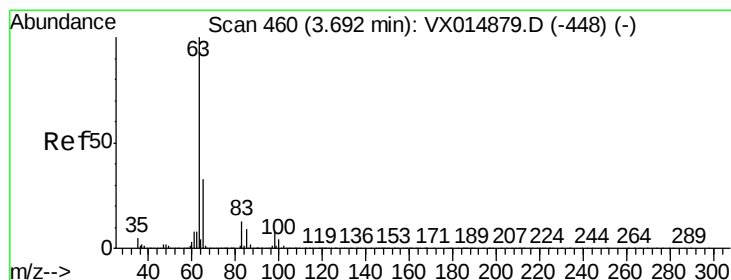
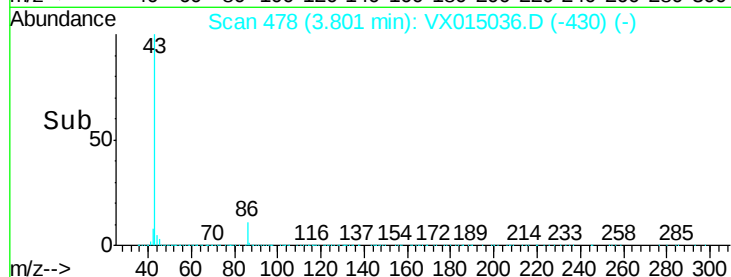
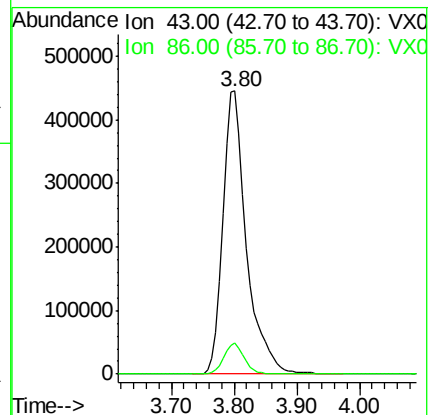
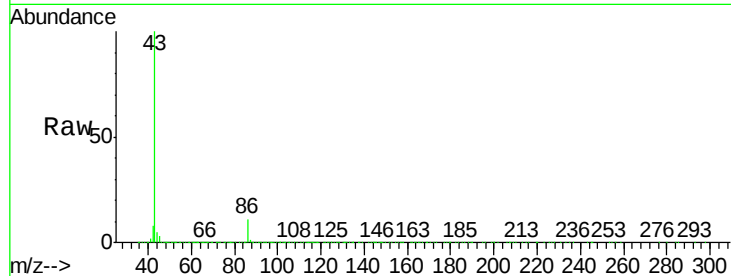
VX0227WBS02

Tot Ion: 43 Resp: 1158085

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.421 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

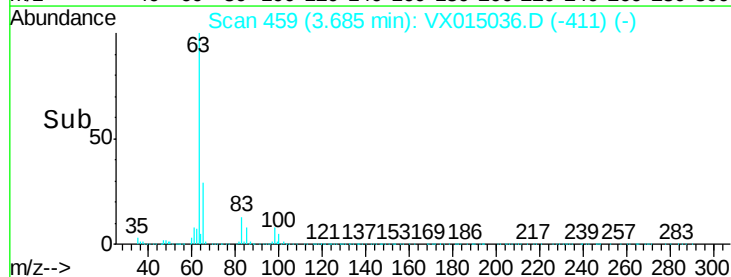
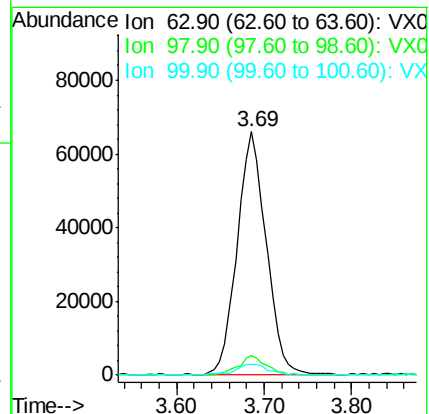
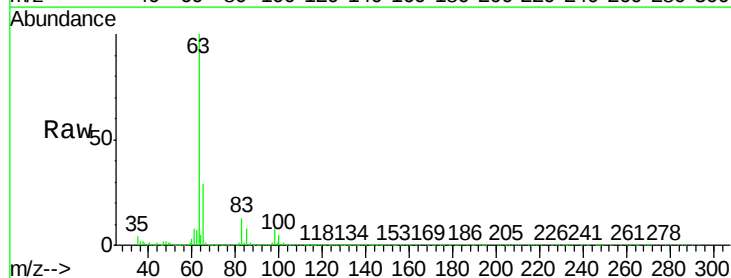
Tgt Ion: 63 Resp: 152053

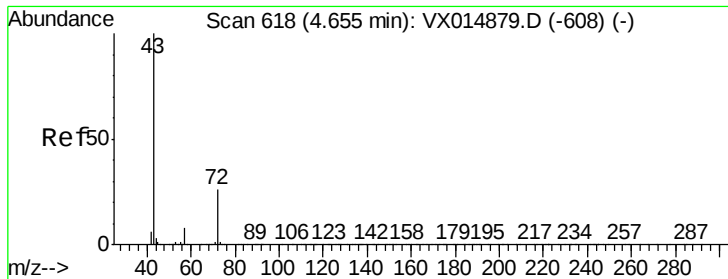
Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.5

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 99.306 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

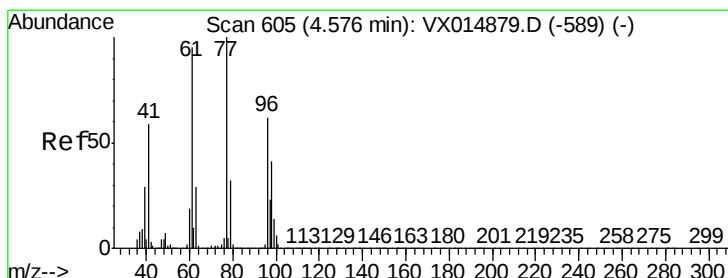
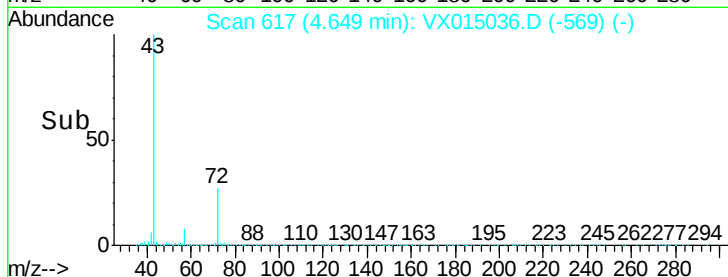
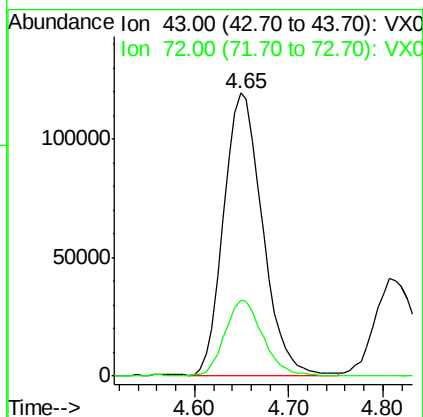
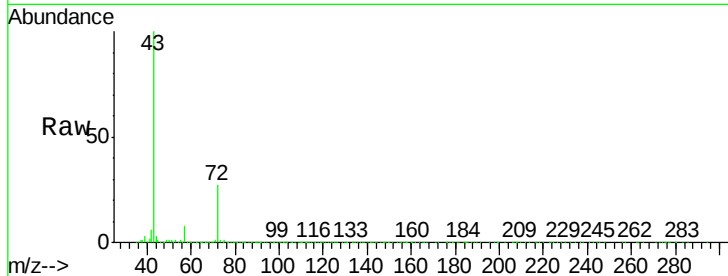
VX0227WBS02

Tot Ion: 43 Resp: 341023

Ion Ratio Lower Upper

43 100

72 26.7 21.0 31.6



#26

2,2-Dichloropropane

Concen: 17.954 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015036.D

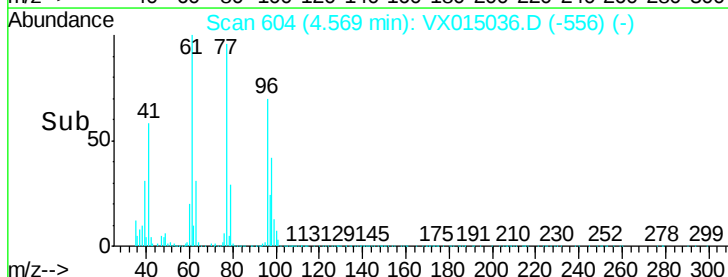
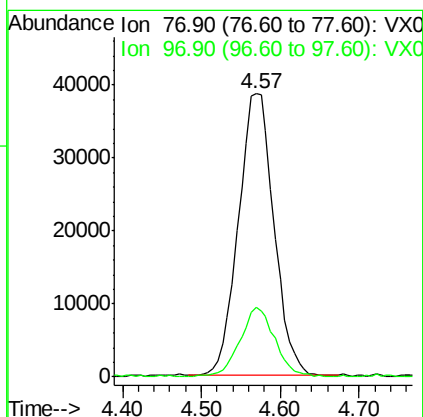
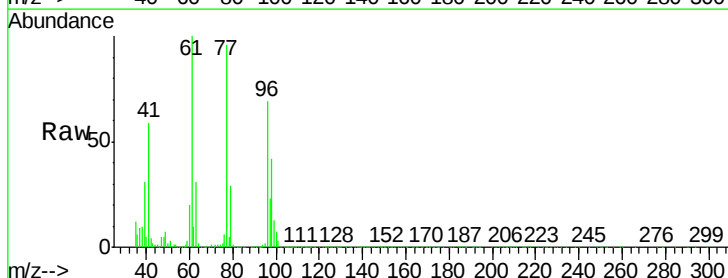
Acq: 27 Feb 2020 10:33

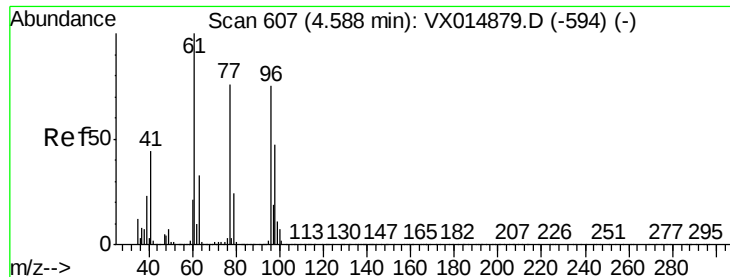
Tgt Ion: 77 Resp: 121140

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.5



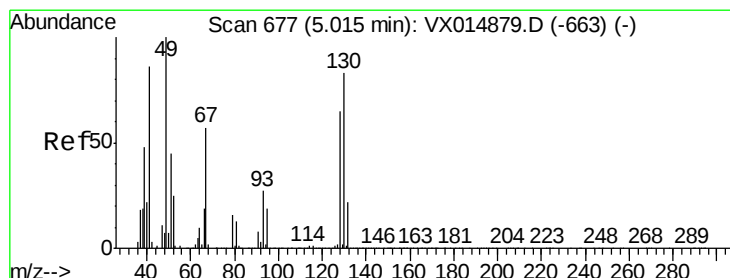
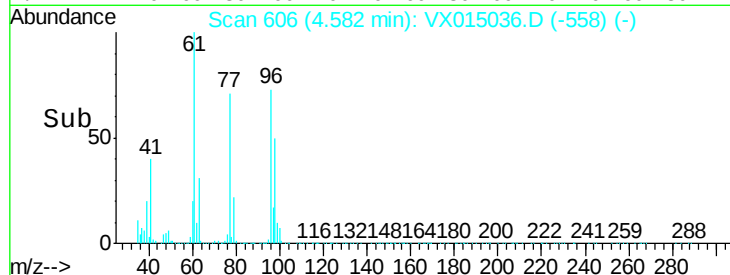
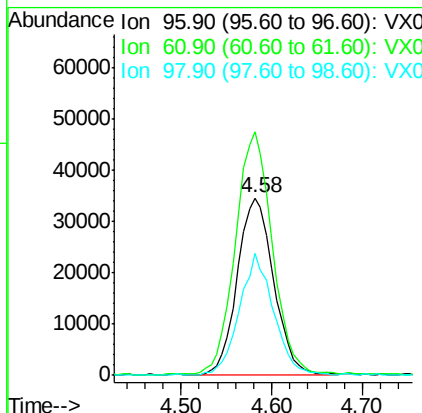
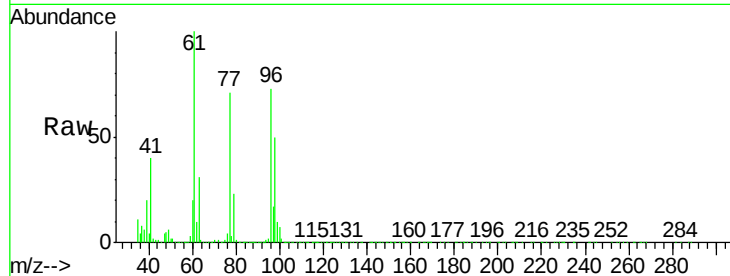


#27

cis-1,2-Dichloroethene  
Concen: 19.002 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

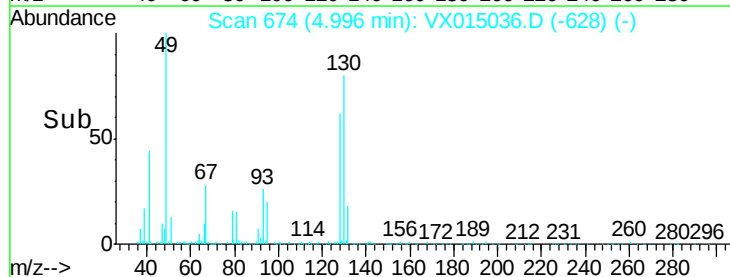
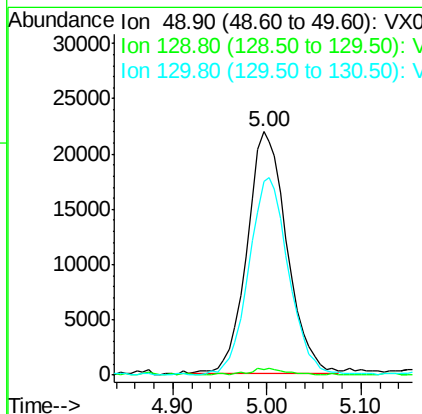
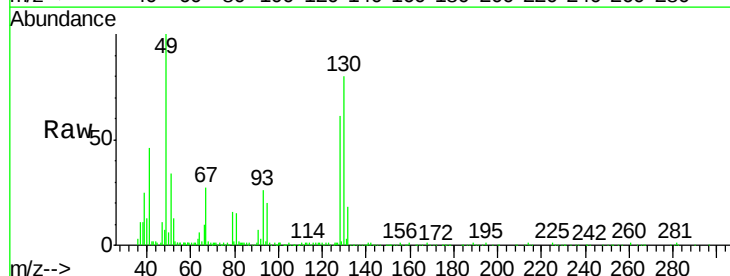
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 141.7 | 0.0   | 286.2 |
| 98      | 64.2  | 0.0   | 131.0 |

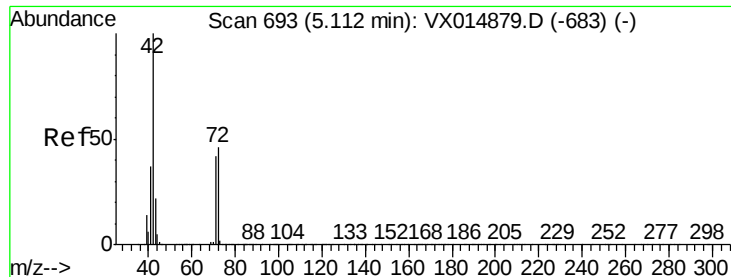


#28

Bromochloromethane  
Concen: 21.512 ug/l  
RT: 5.00 min Scan# 674  
Delta R.T. -0.02 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 5.2   |
| 130     | 80.7  | 67.4  | 101.2 |

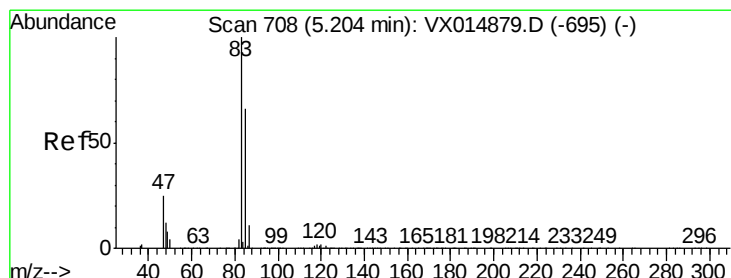
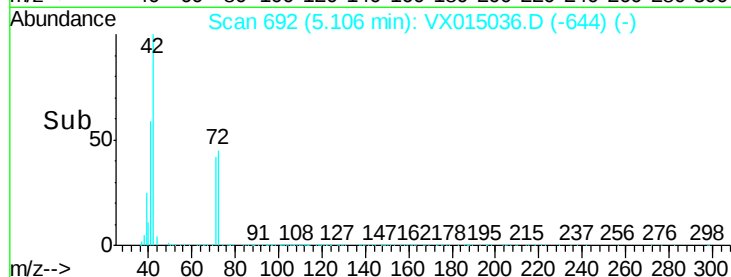
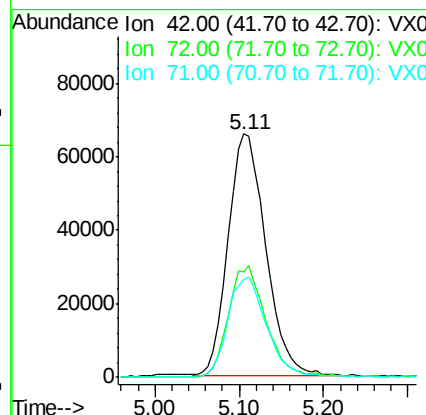
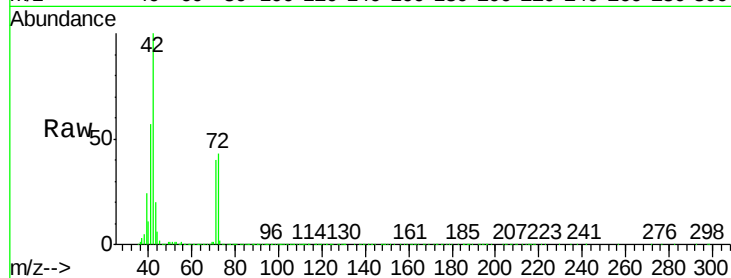




#29  
Tetrahydrofuran  
Concen: 102.751 ug/l  
RT: 5.11 min Scan# 692  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

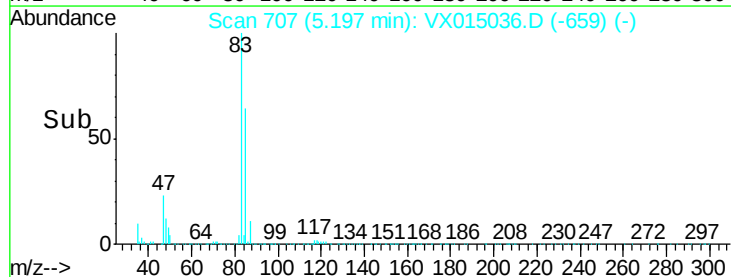
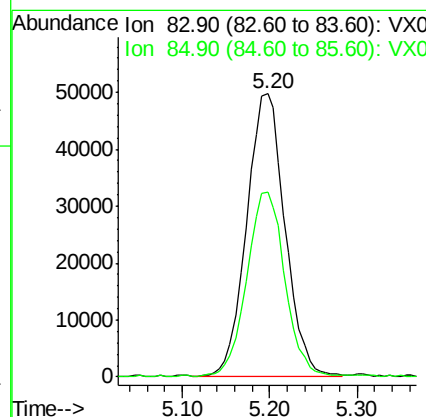
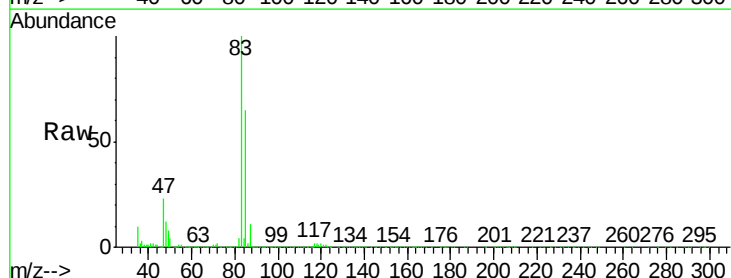
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

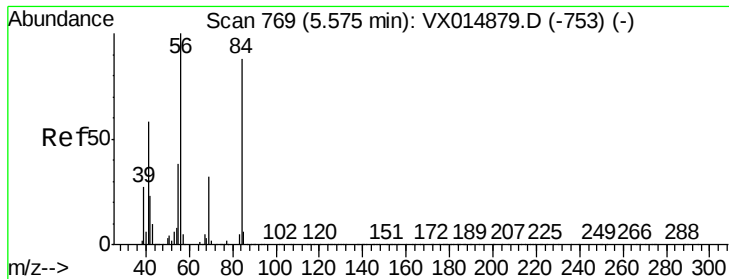
Tot Ion: 42 Resp: 200585  
Ion Ratio Lower Upper  
42 100  
72 46.0 36.9 55.3  
71 41.8 34.1 51.1



#30  
Chloroform  
Concen: 19.448 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 83 Resp: 151067  
Ion Ratio Lower Upper  
83 100  
85 64.9 52.9 79.3





#31

Cyclohexane

Concen: 18.388 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

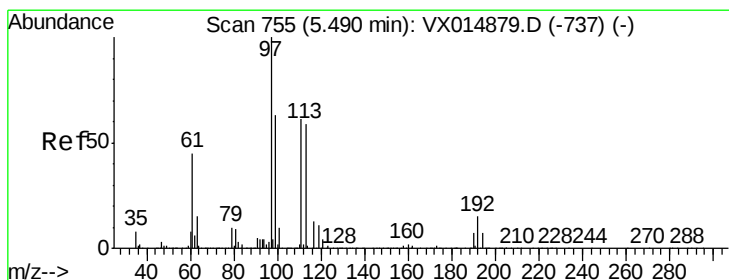
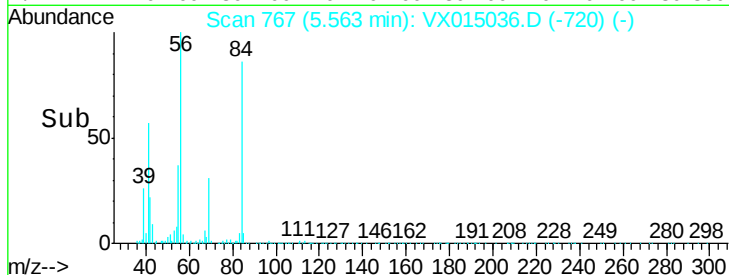
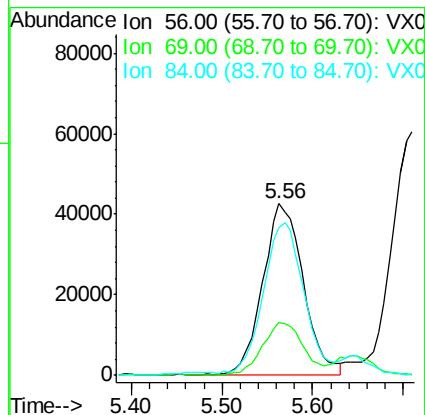
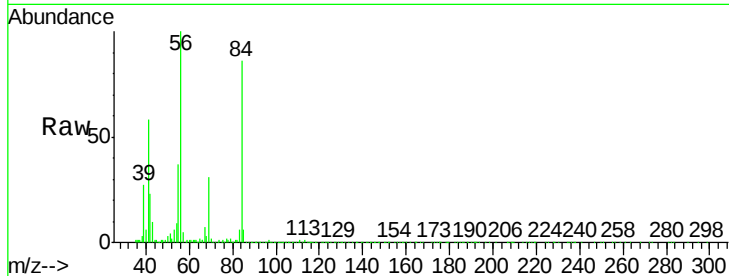
Tot Ion: 56 Resp: 131123

Ion Ratio Lower Upper

56 100

69 30.9 25.9 38.9

84 85.0 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 18.370 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

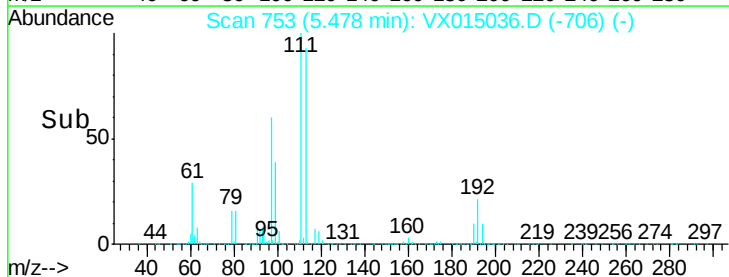
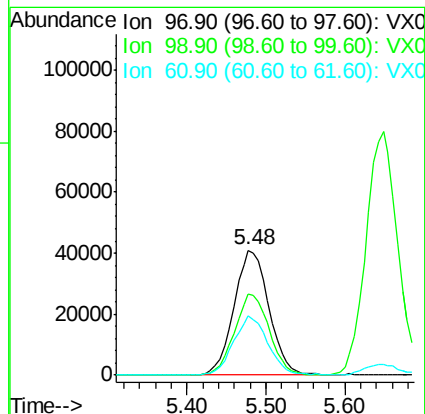
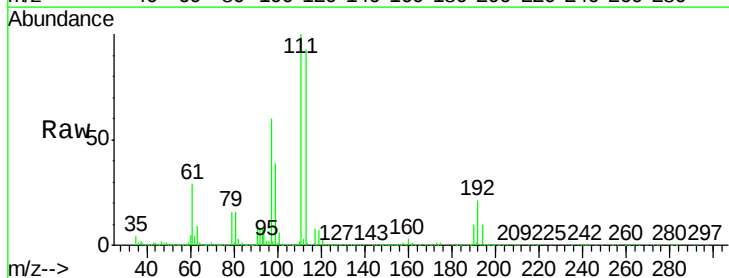
Tgt Ion: 97 Resp: 124822

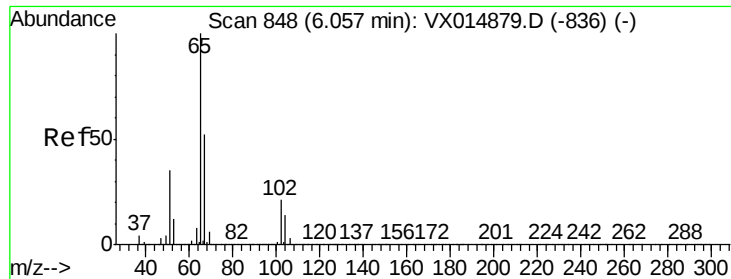
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 46.6 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 46.301 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

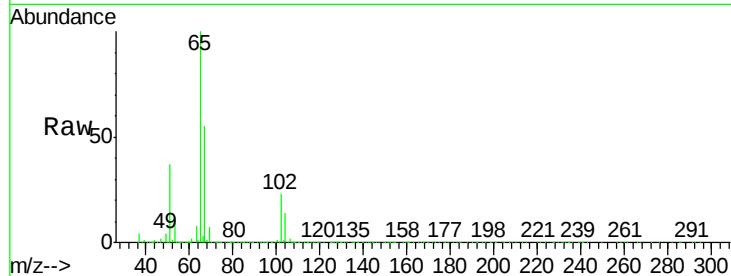
VX0227WBS02

Tot Ion: 65 Resp: 23352

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

80000

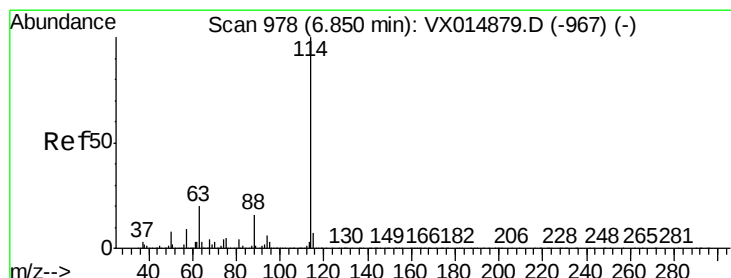
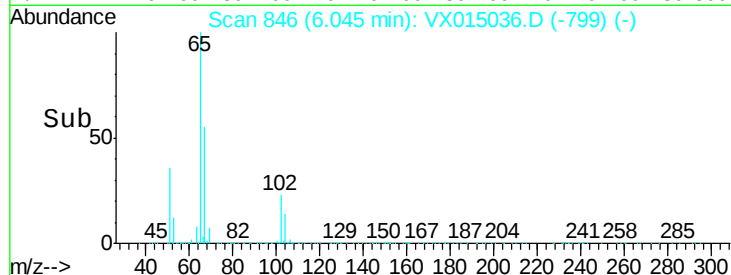
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

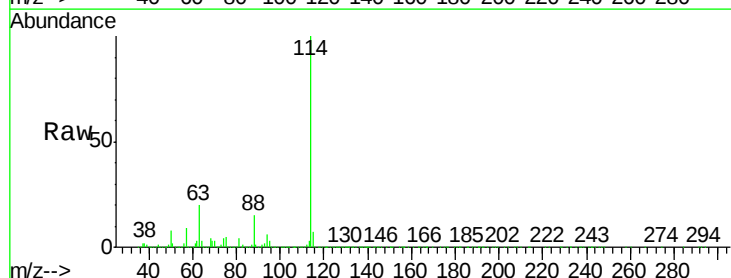
Tgt Ion: 114 Resp: 660152

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

88 15.4 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

6.84

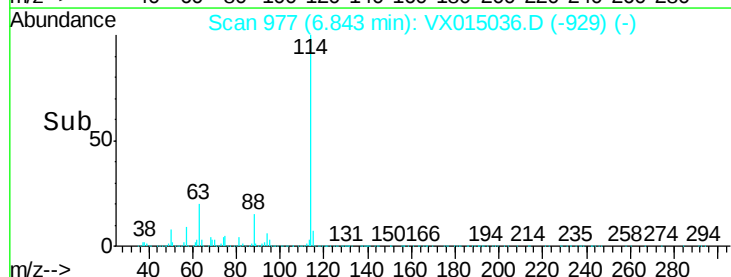
300000

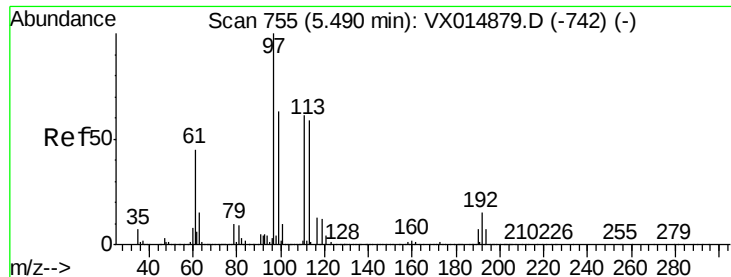
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.408 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

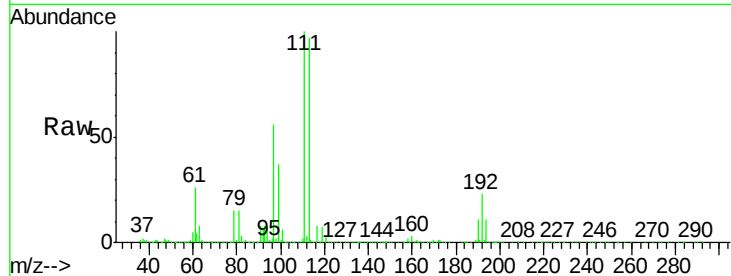
Tot Ion:113 Resp: 192402

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

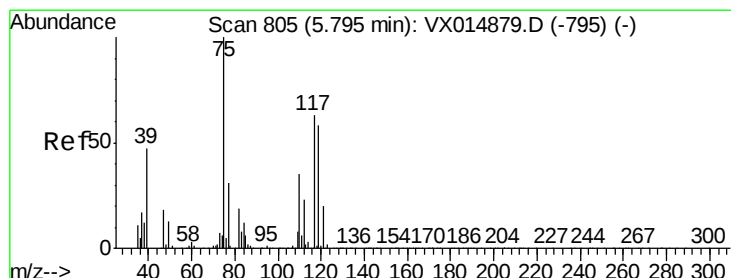
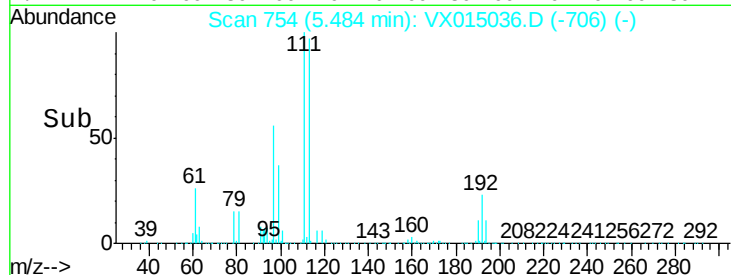
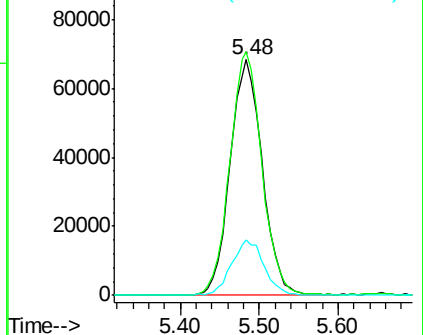
192 24.2 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.724 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

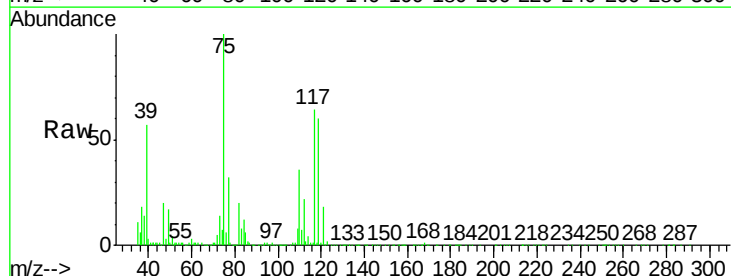
Tgt Ion: 75 Resp: 110569

Ion Ratio Lower Upper

75 100

110 37.6 18.3 54.8

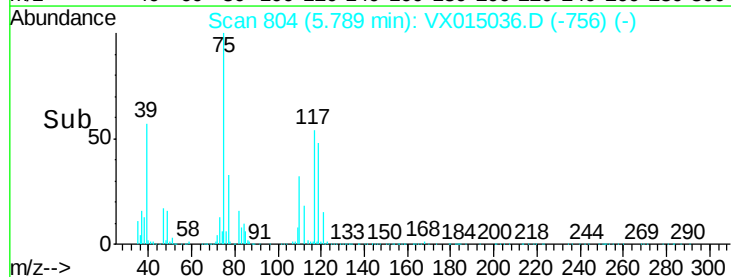
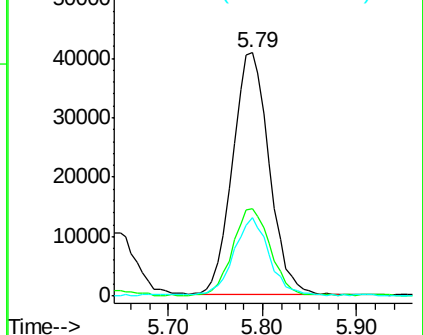
77 30.7 24.6 36.8

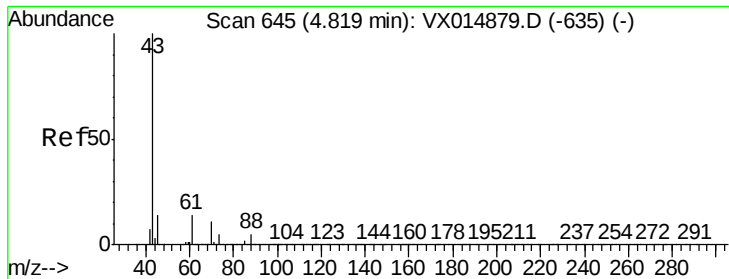


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

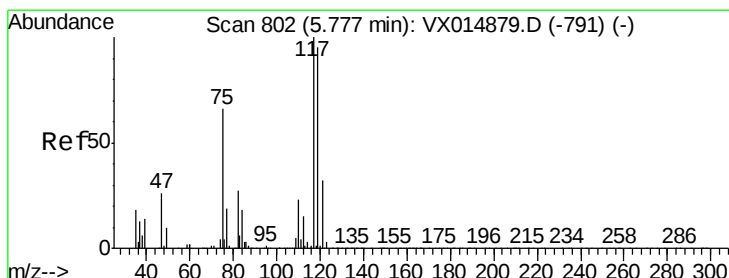
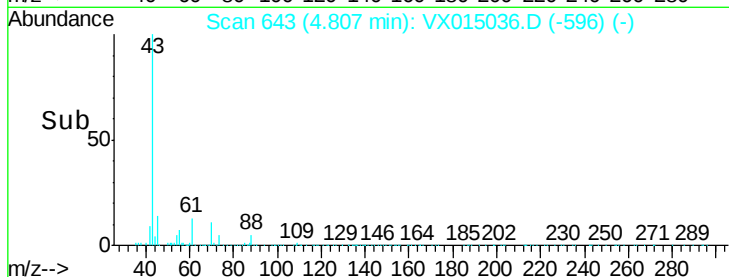
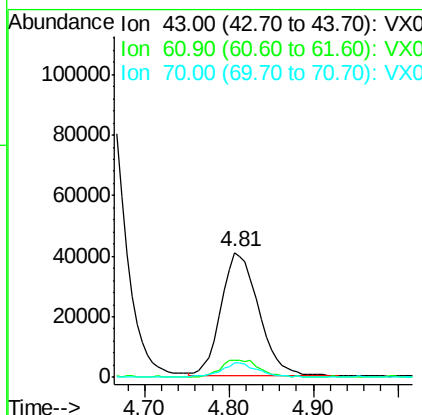
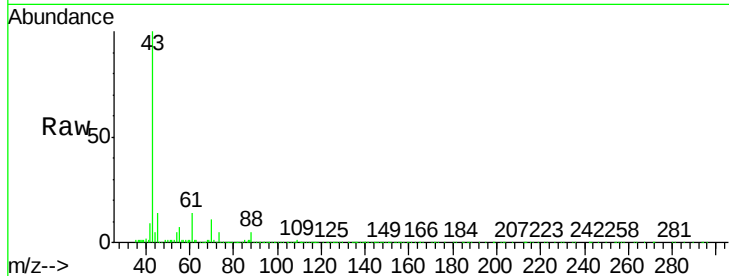




#37  
Ethyl Acetate  
Concen: 20.294 ug/l  
RT: 4.81 min Scan# 643  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

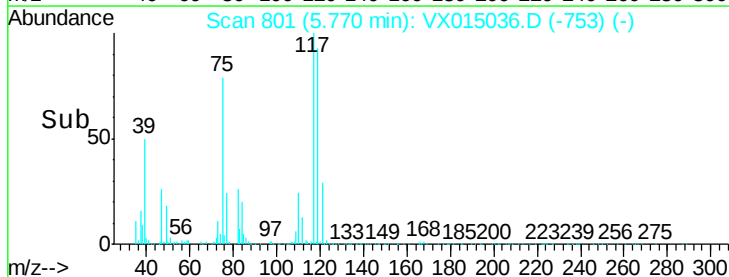
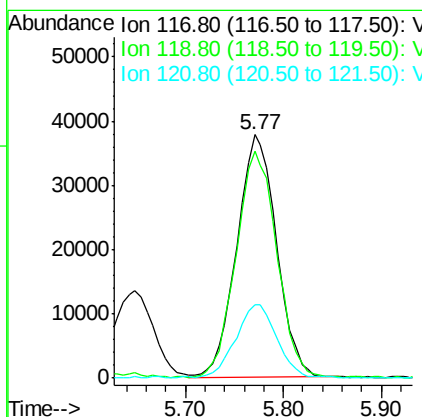
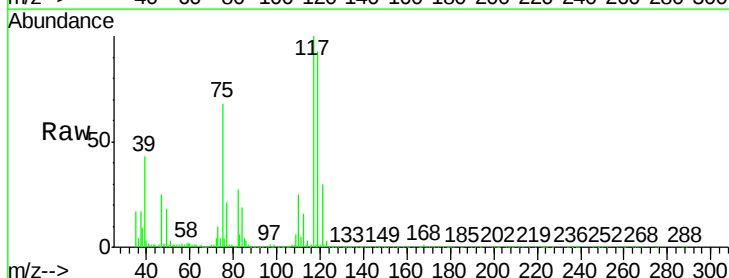
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0227WBS02

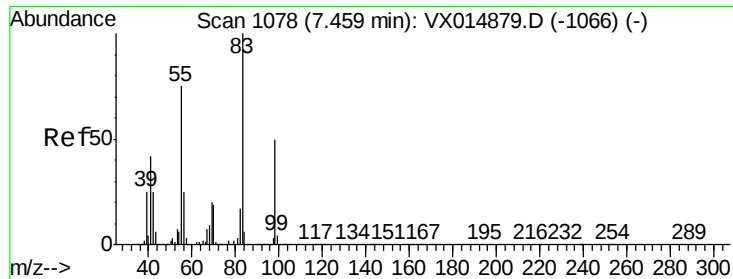
Tot Ion: 43 Resp: 124992  
Ion Ratio Lower Upper  
43 100  
61 13.8 10.9 16.3  
70 10.8 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 18.493 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 117 Resp: 106424  
Ion Ratio Lower Upper  
117 100  
119 93.5 76.0 114.0  
121 29.9 25.4 38.2

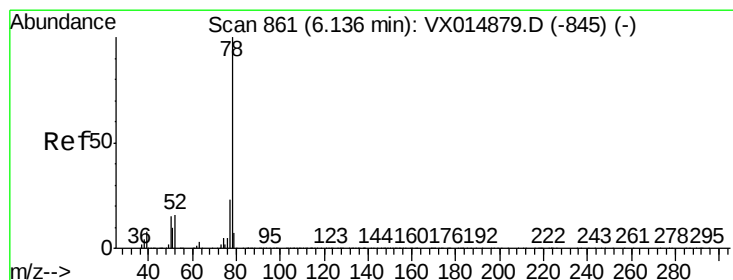
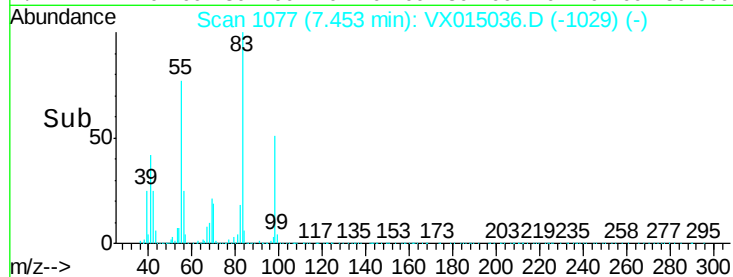
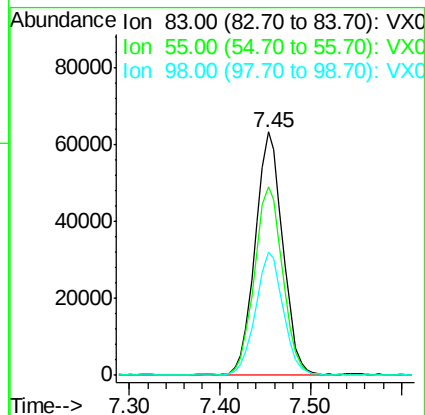
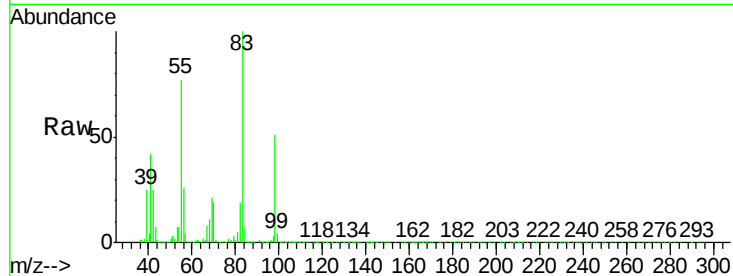




#39  
Methvlcvclohexane  
Concen: 17.987 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

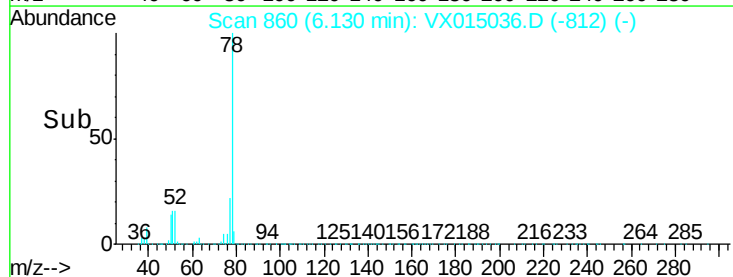
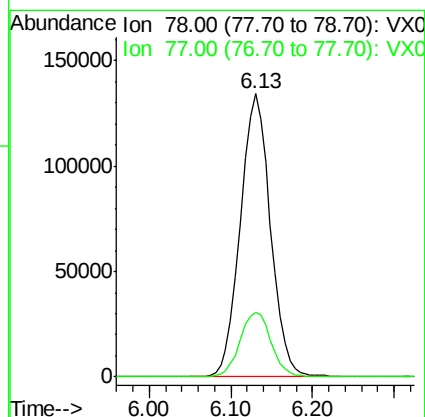
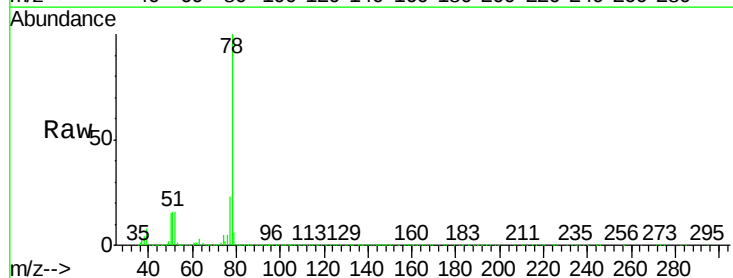
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

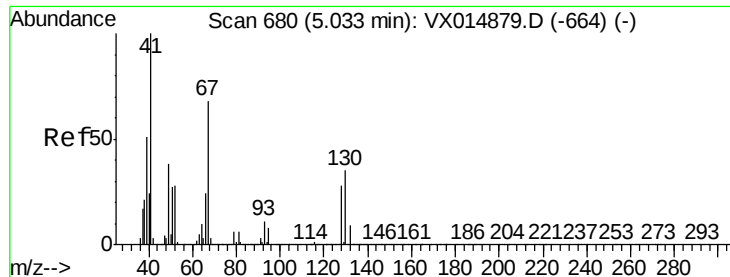
Tot Ion: 83 Resp: 132838  
Ion Ratio Lower Upper  
83 100  
55 77.0 60.0 90.0  
98 50.7 39.6 59.4



#40  
Benzene  
Concen: 19.483 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 78 Resp: 343749  
Ion Ratio Lower Upper  
78 100  
77 22.7 18.8 28.2

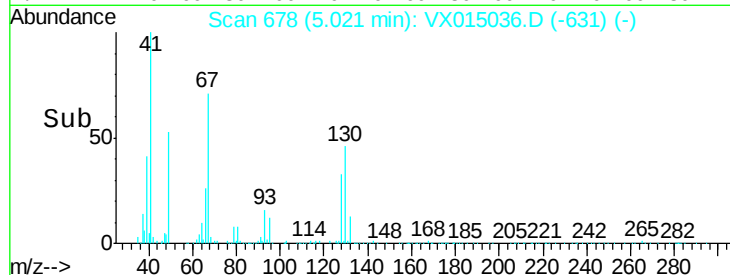
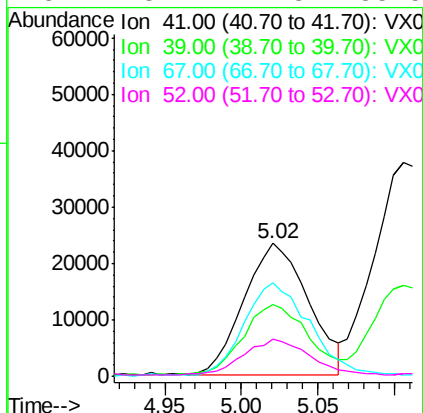
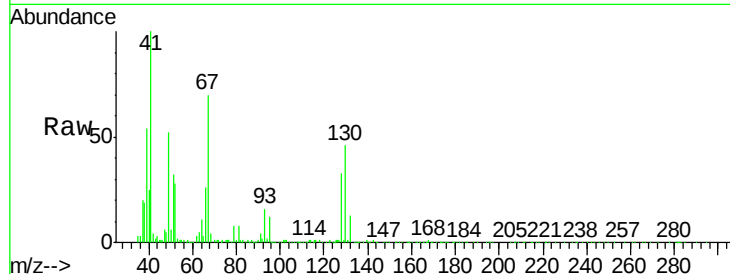




#41  
Methacrylonitrile  
Concen: 20.499 ug/l  
RT: 5.02 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

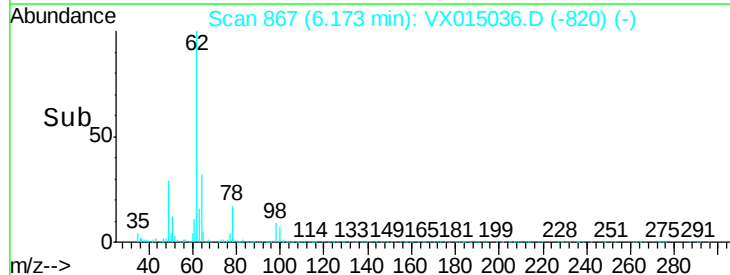
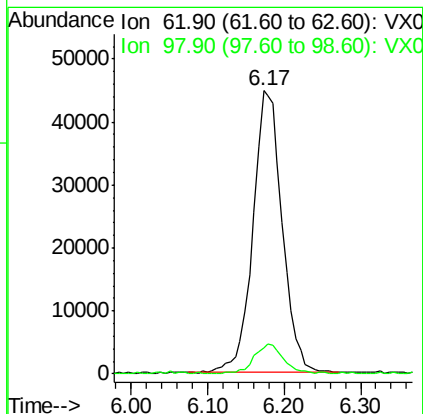
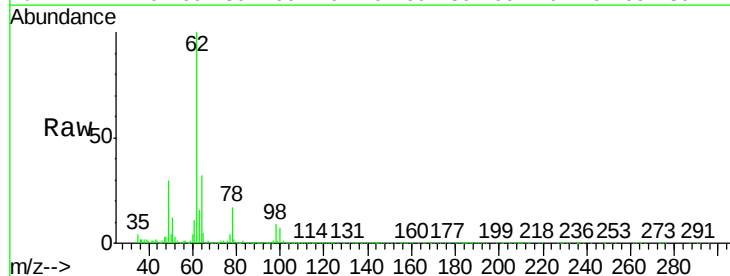
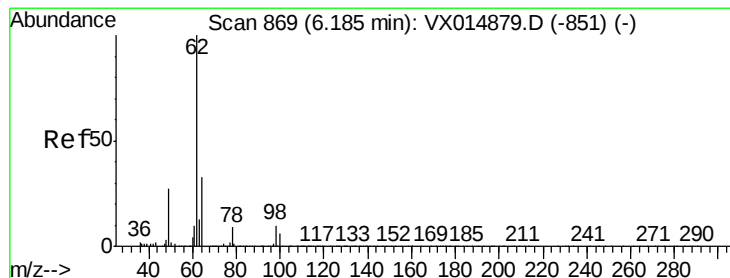
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

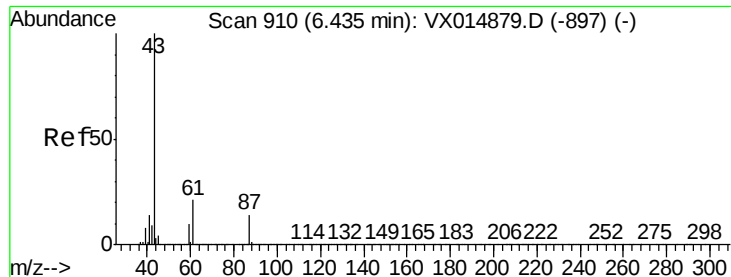
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 68015 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.1  | 44.7  | 67.1  |
| 67       | 71.3  | 56.6  | 84.8  |
| 52       | 28.2  | 22.3  | 33.5  |



#42  
1,2-Dichloroethane  
Concen: 18.705 ug/l  
RT: 6.17 min Scan# 867  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 119283 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.2  | 0.0   | 19.2   |





#43

Isopropyl Acetate

Concen: 19.638 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampled :

VX0227WBS02

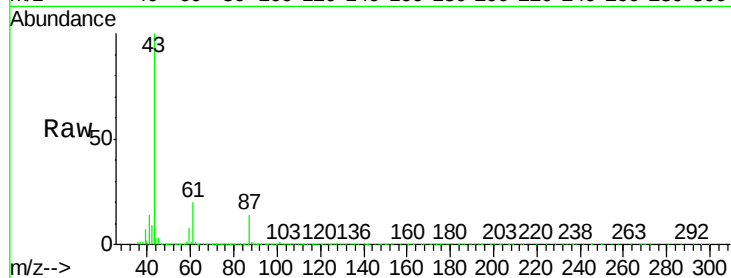
Tot Ion: 43 Resp: 199524

Ion Ratio Lower Upper

43 100

61 20.0 16.2 24.4

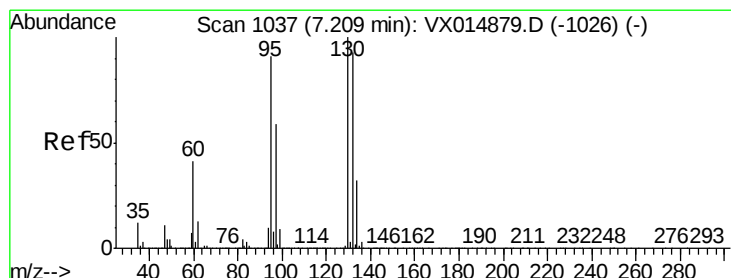
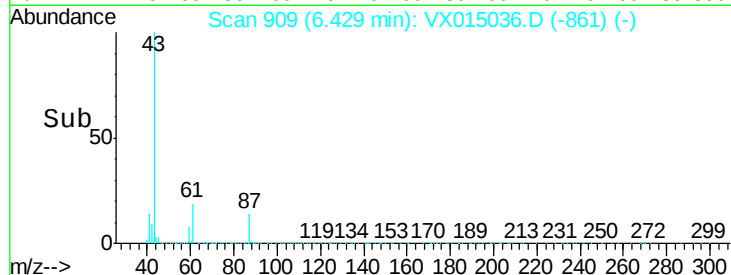
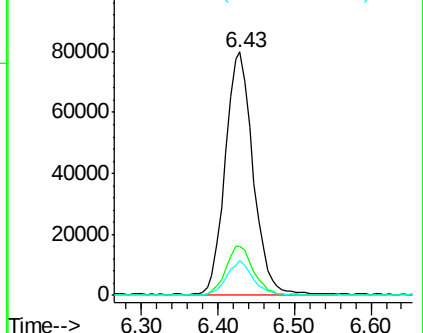
87 13.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.026 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015036.D

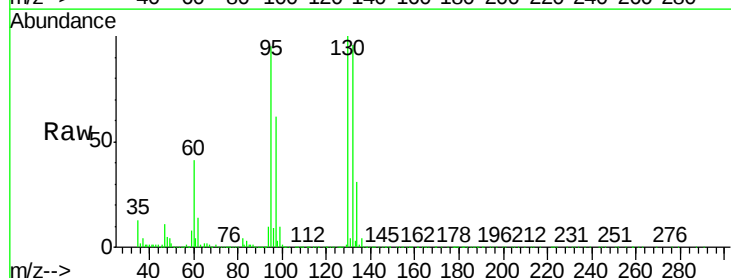
Acq: 27 Feb 2020 10:33

Tgt Ion: 130 Resp: 97451

Ion Ratio Lower Upper

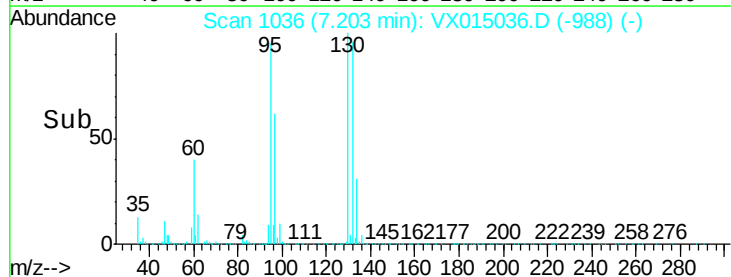
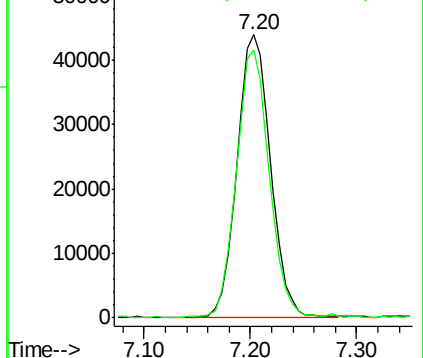
130 100

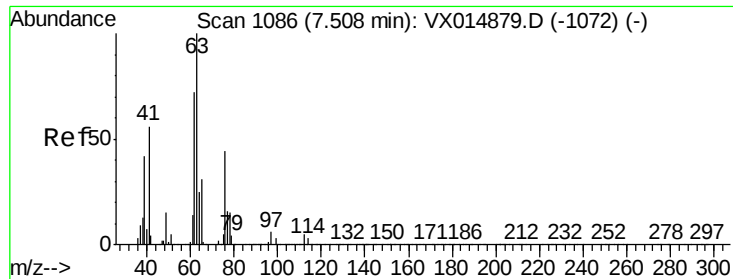
95 94.2 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

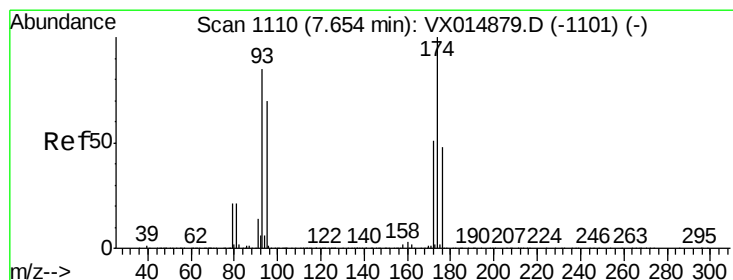
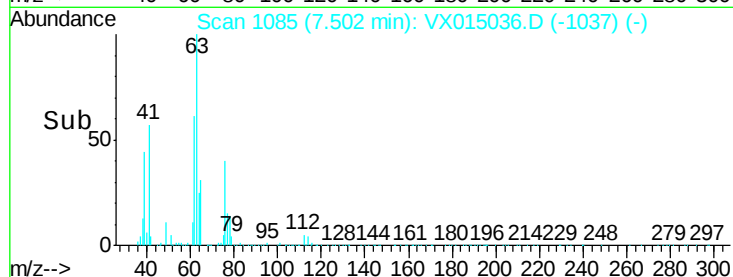
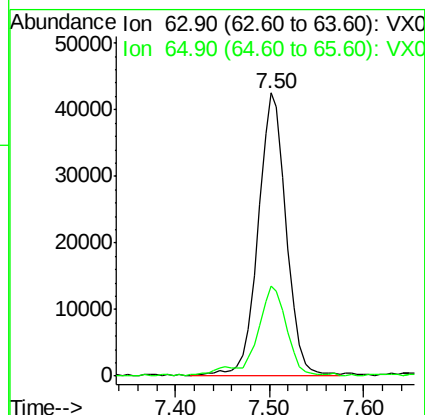
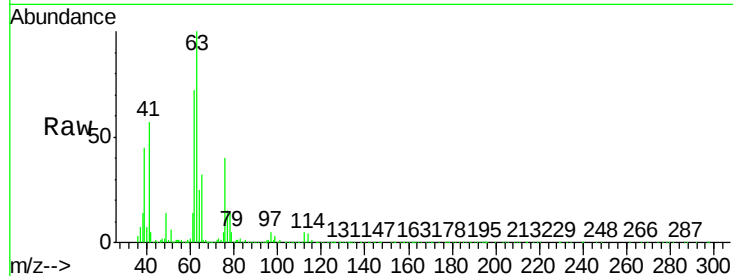




#45  
 1,2-Dichloropropane  
 Concen: 19.571 ug/l  
 RT: 7.50 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

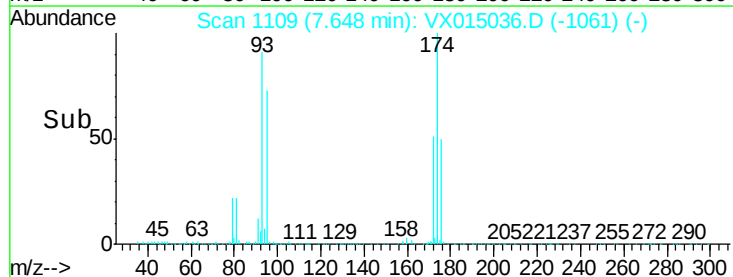
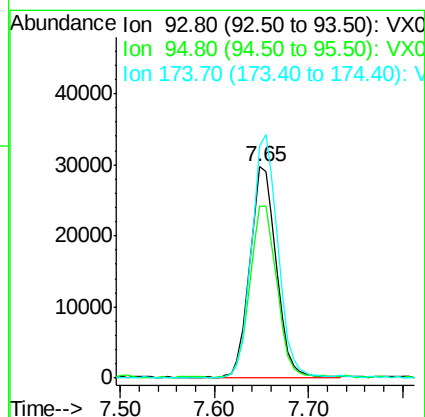
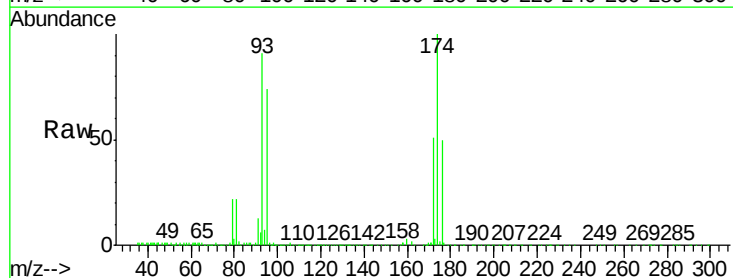
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227WBS02

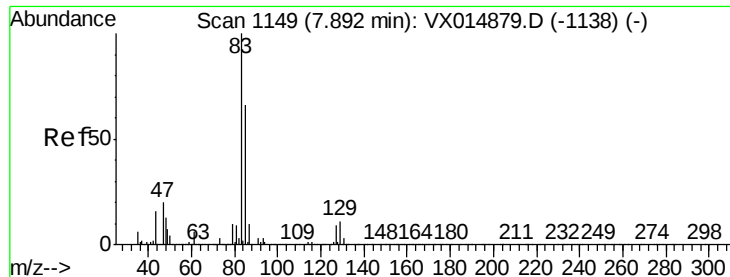
Tot Ion: 63 Resp: 88064  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 24.9 37.3



#46  
 Dibromomethane  
 Concen: 18.829 ug/l  
 RT: 7.65 min Scan# 1109  
 Delta R.T. -0.01 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

Tgt Ion: 93 Resp: 57914  
 Ion Ratio Lower Upper  
 93 100  
 95 83.1 65.8 98.8  
 174 116.5 95.4 143.2

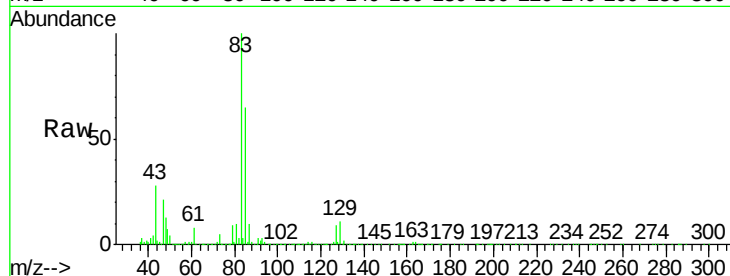




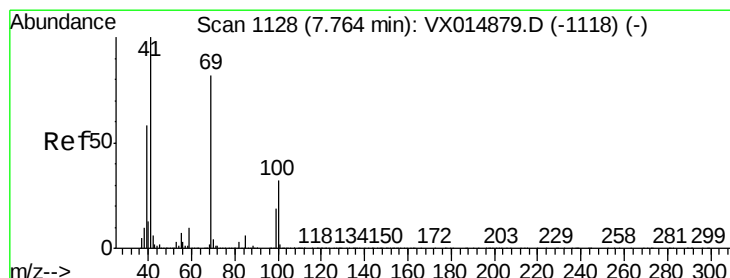
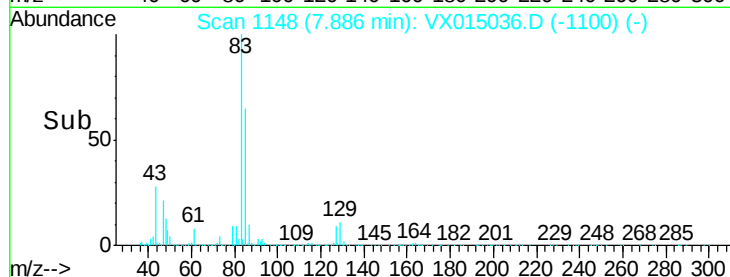
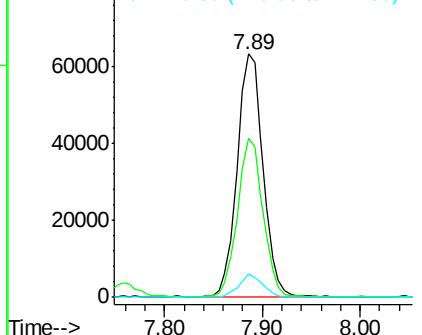
#47  
Bromodichloromethane  
Concen: 19.015 ug/l  
RT: 7.89 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

Tot Ion: 83 Resp: 115966  
Ion Ratio Lower Upper  
83 100  
85 65.0 52.5 78.7  
127 9.5 7.4 11.0

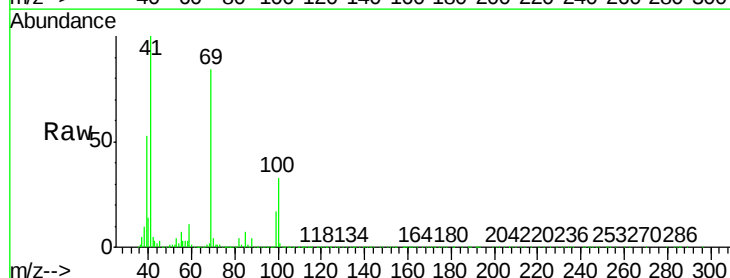


Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V

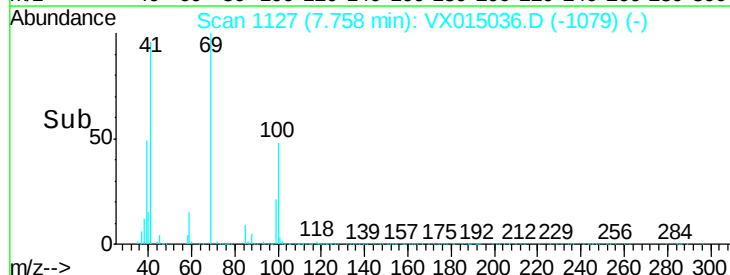
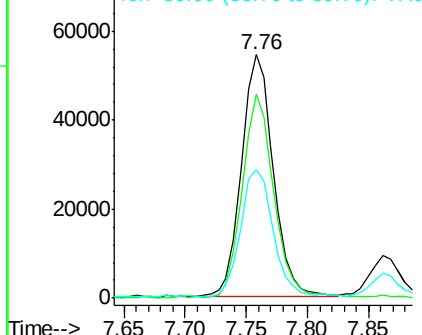


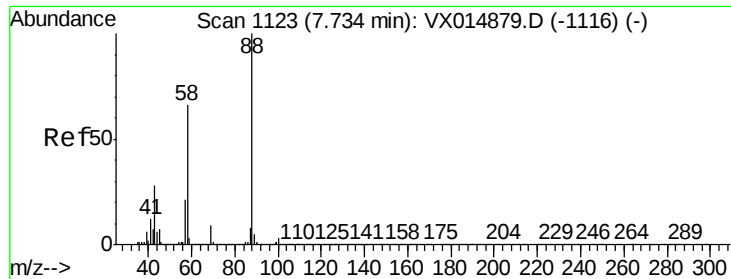
#48  
Methyl methacrylate  
Concen: 19.758 ug/l  
RT: 7.76 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 41 Resp: 98793  
Ion Ratio Lower Upper  
41 100  
69 82.2 65.7 98.5  
39 53.8 45.8 68.8



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

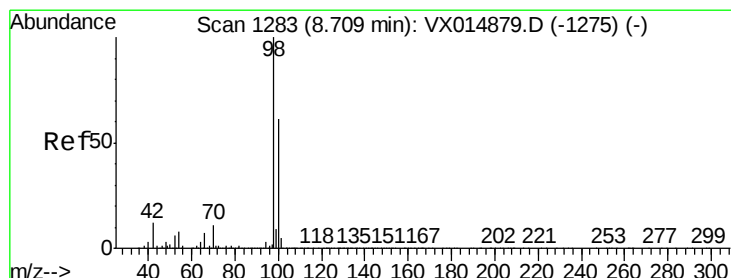
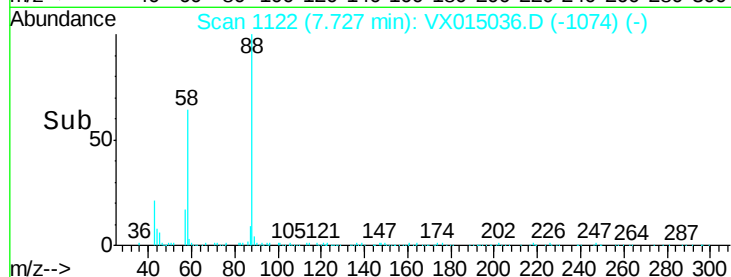
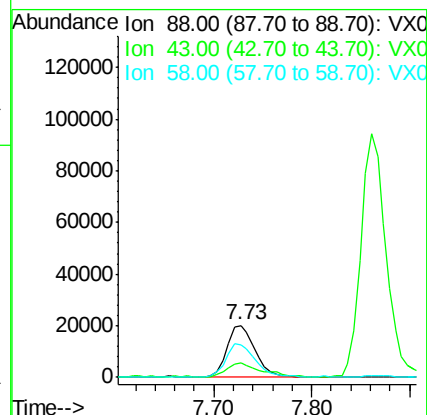
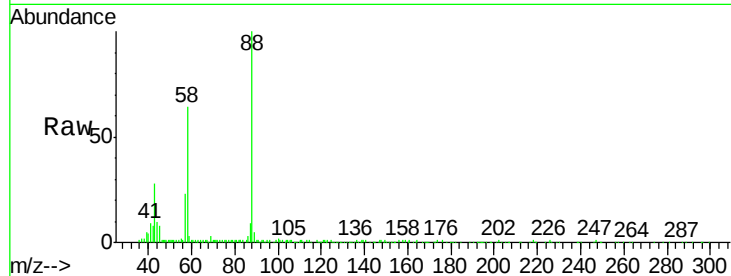




#49  
1,4-Dioxane  
Concen: 416.375 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

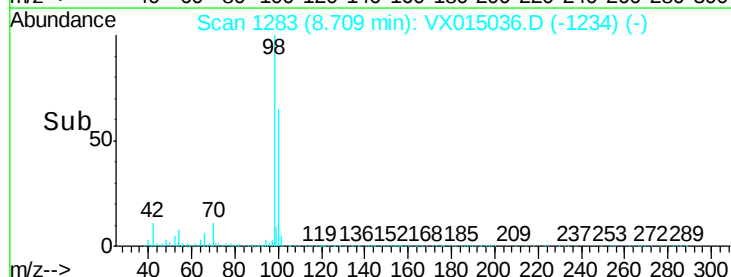
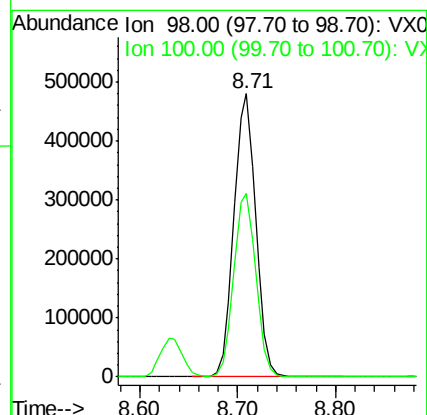
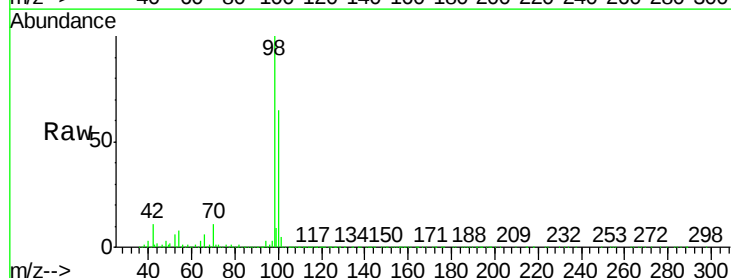
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

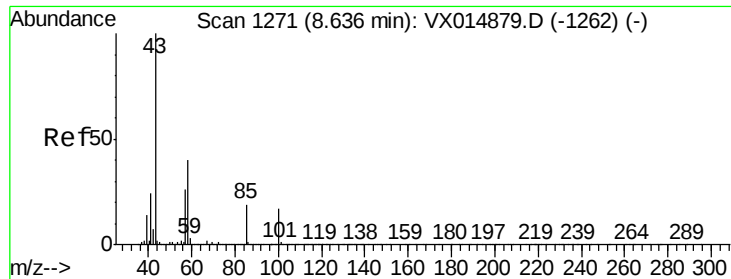
Tot Ion: 88 Resp: 38926  
Ion Ratio Lower Upper  
88 100  
43 33.2 27.0 40.4  
58 70.4 53.2 79.8



#50  
Toluene-d8  
Concen: 47.989 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 98 Resp: 743418  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 103.430 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

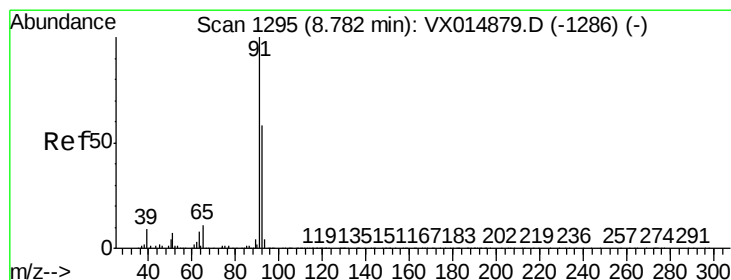
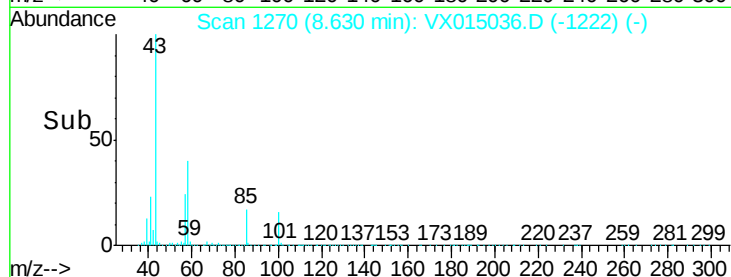
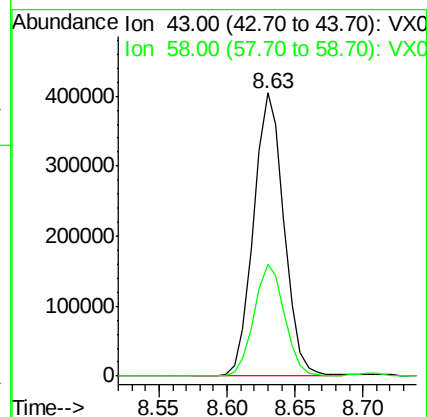
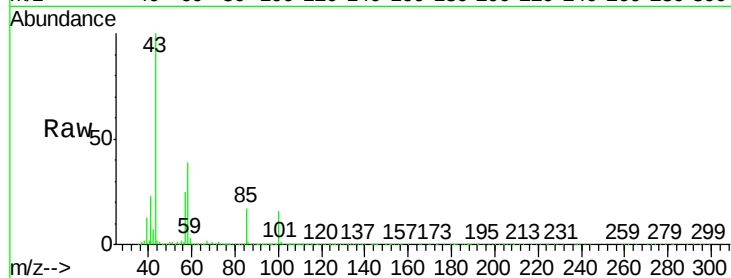
VX0227WBS02

Tot Ion: 43 Resp: 634538

Ion Ratio Lower Upper

43 100

58 39.5 31.9 47.9



#52

Toluene

Concen: 19.253 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX015036.D

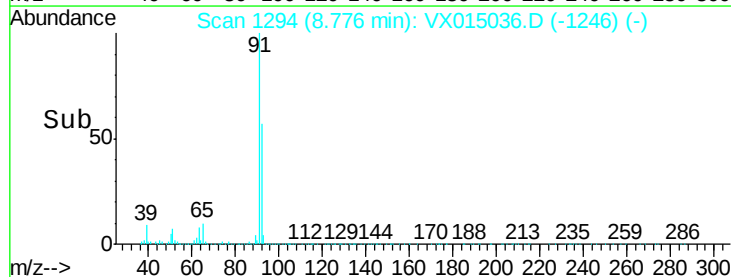
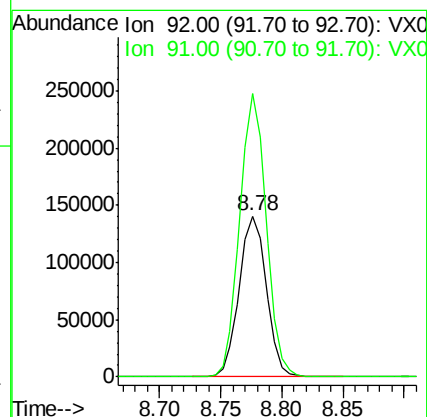
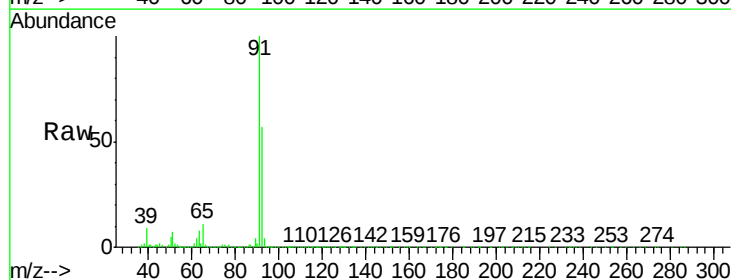
Acq: 27 Feb 2020 10:33

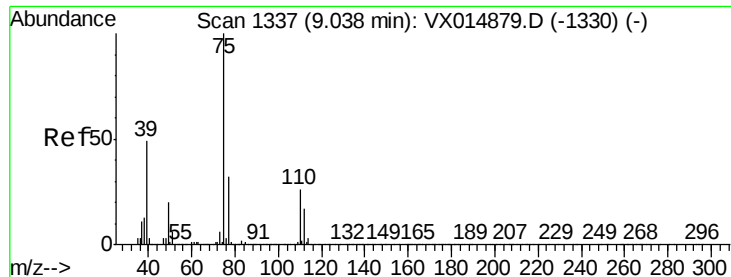
Tgt Ion: 92 Resp: 215752

Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 19.218 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

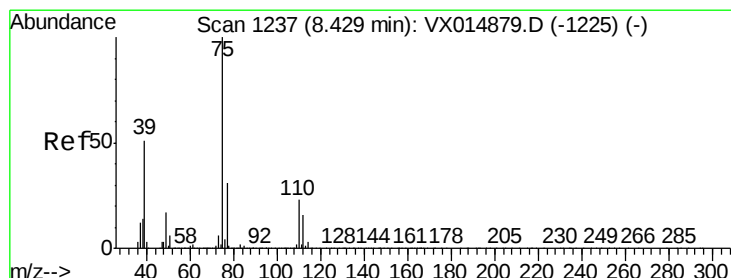
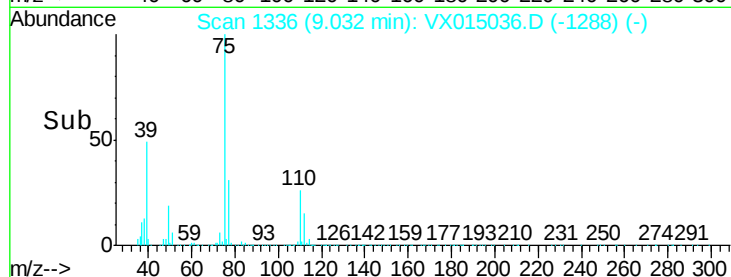
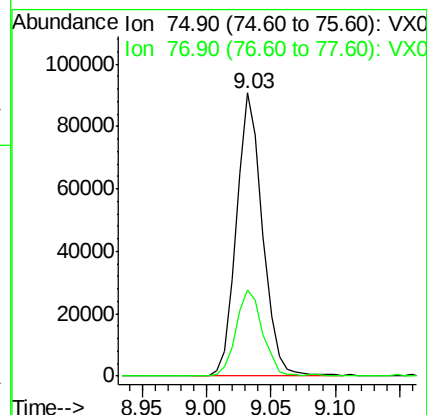
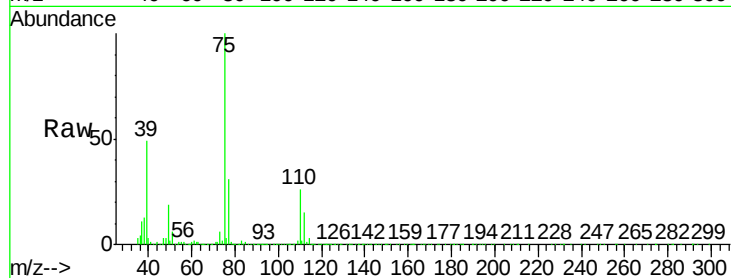
VX0227WBS02

Tot Ion: 75 Resp: 128446

Ion Ratio Lower Upper

75 100

77 30.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.819 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

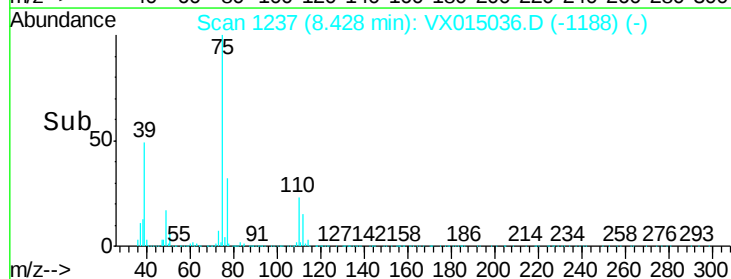
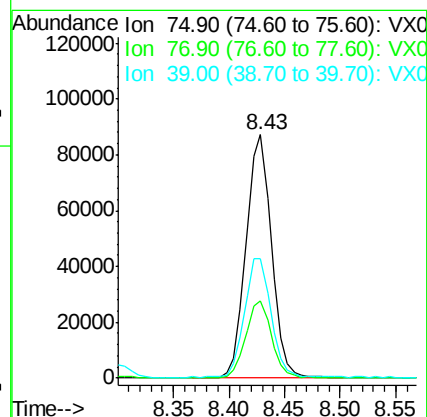
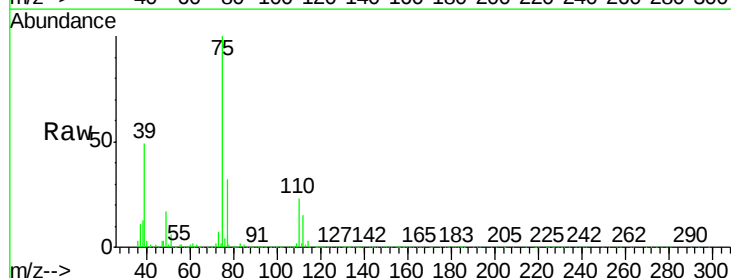
Tgt Ion: 75 Resp: 138952

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0

39 48.6 40.9 61.3





#55

1,1,2-Trichloroethane

Concen: 19.544 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

Tot Ion: 97 Resp: 88610

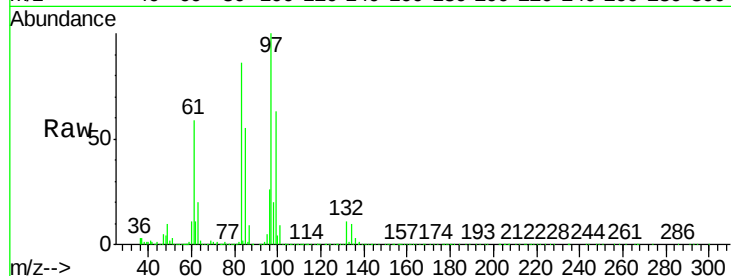
Ion Ratio Lower Upper

97 100

83 86.3 66.6 99.8

85 54.5 43.5 65.3

99 63.4 49.6 74.4

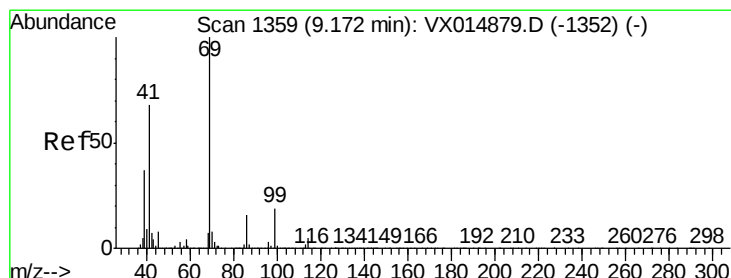
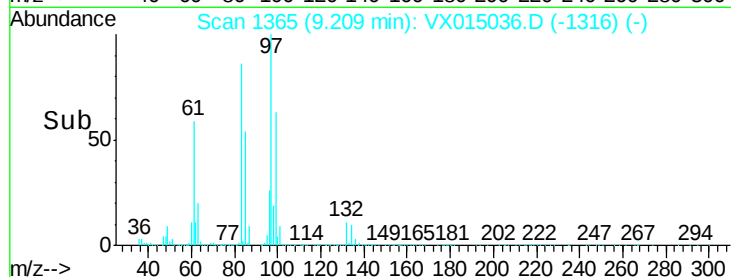
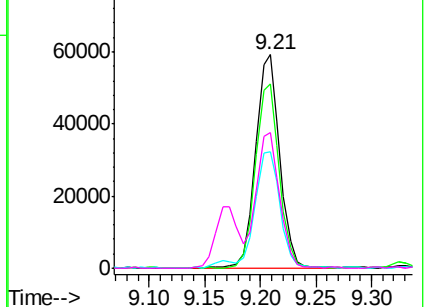


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.923 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

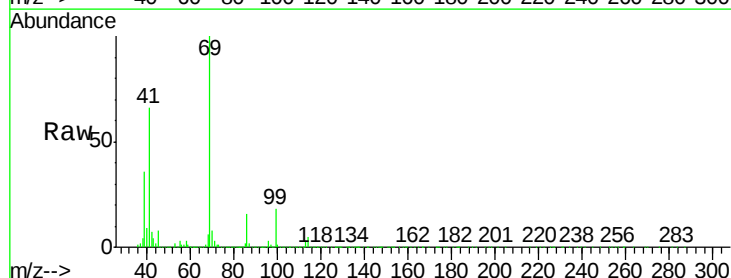
Tgt Ion: 69 Resp: 135768

Ion Ratio Lower Upper

69 100

41 66.2 54.8 82.2

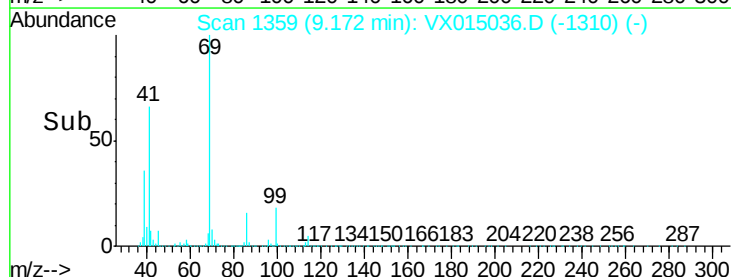
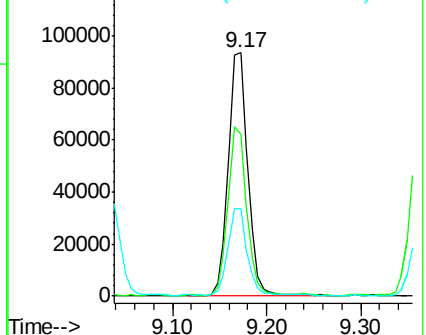
39 35.0 29.9 44.9

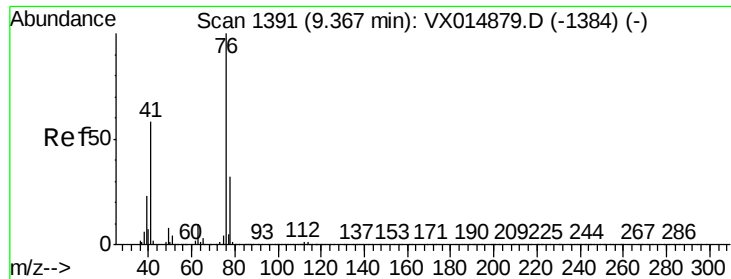


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.760 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

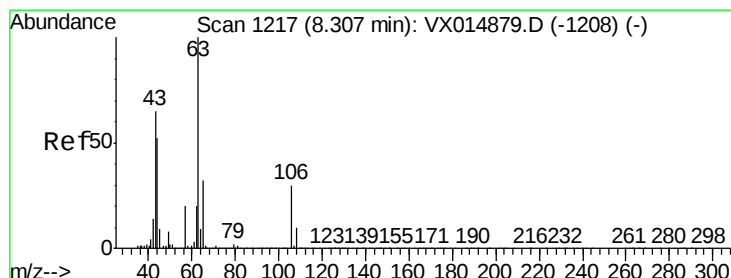
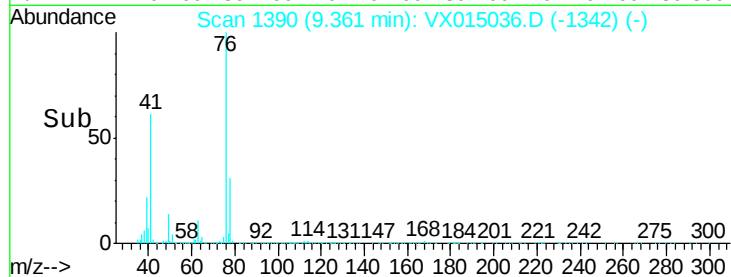
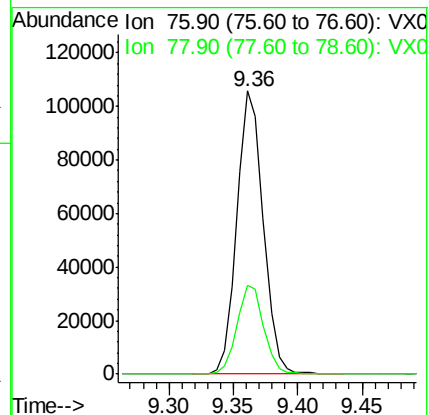
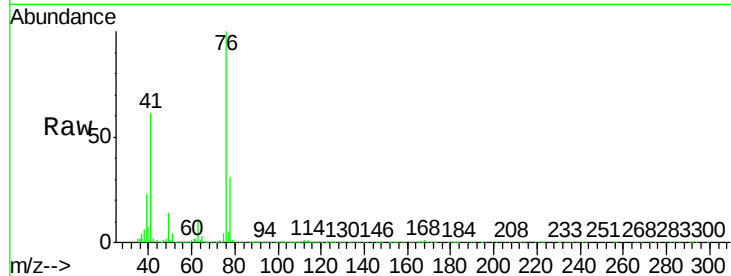
VX0227WBS02

Tot Ion: 76 Resp: 150810

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 97.358 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX015036.D

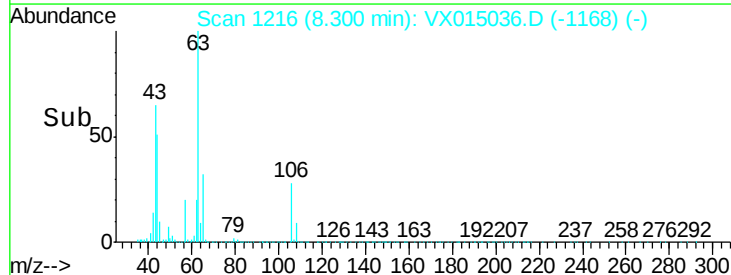
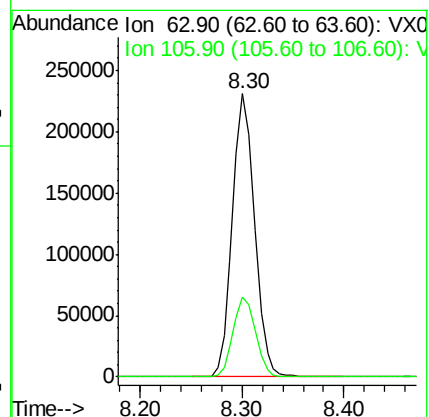
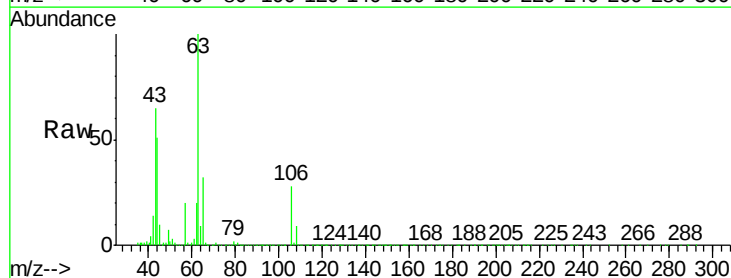
Acq: 27 Feb 2020 10:33

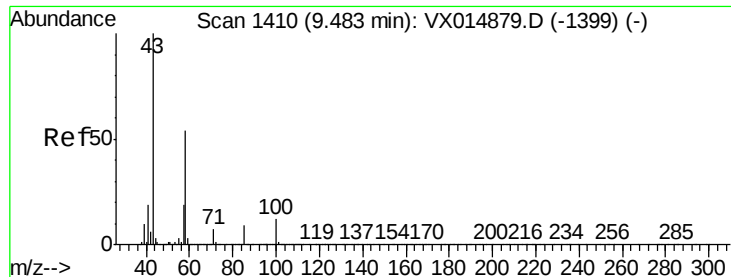
Tgt Ion: 63 Resp: 346986

Ion Ratio Lower Upper

63 100

106 28.7 23.8 35.8

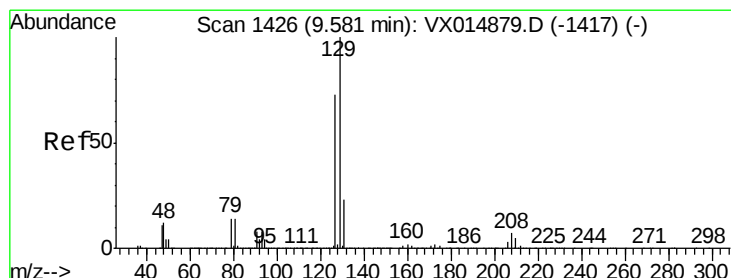
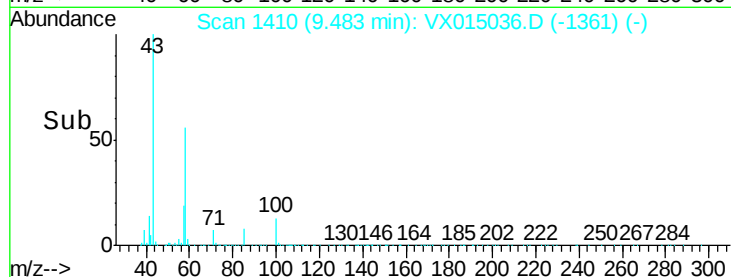
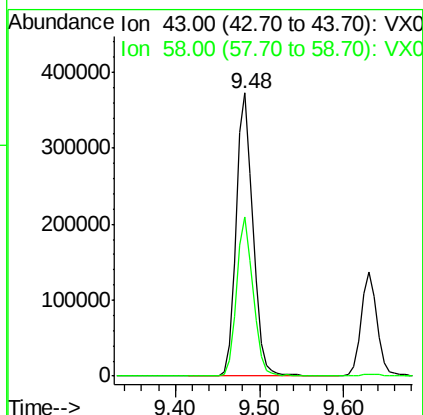
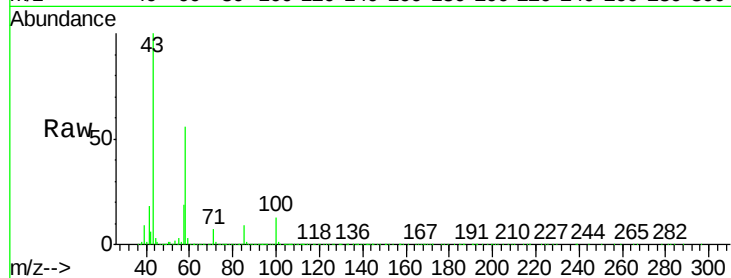




#59  
2-Hexanone  
Concen: 103.913 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

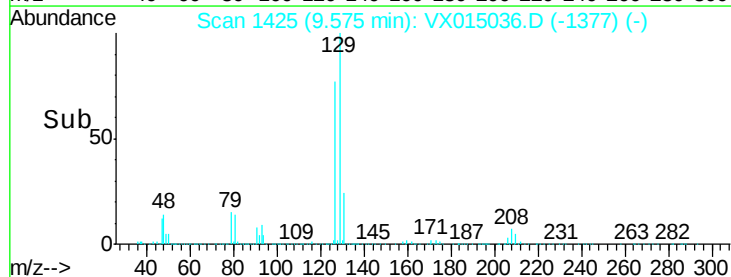
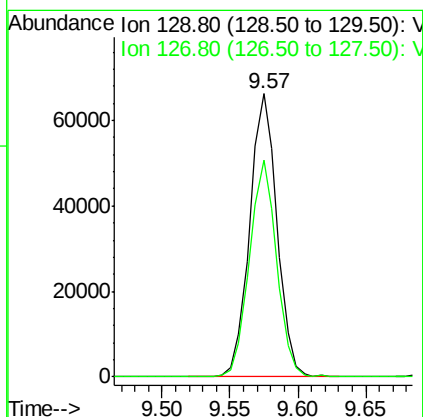
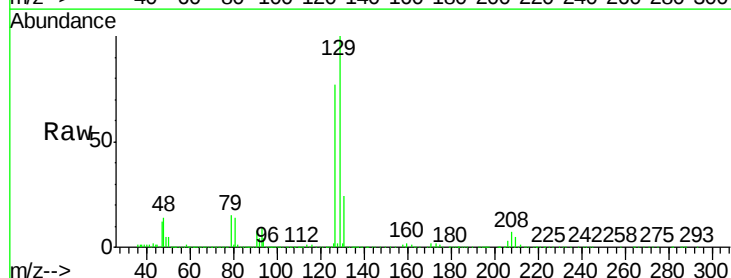
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

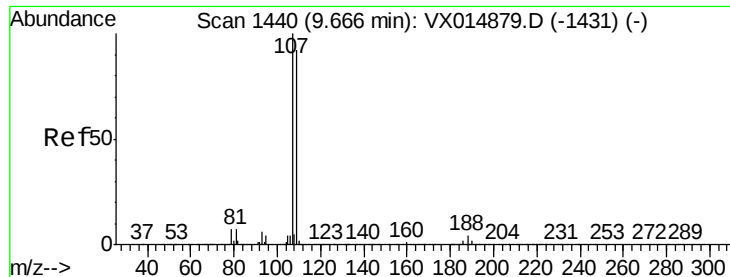
Tot Ion: 43 Resp: 501085  
Ion Ratio Lower Upper  
43 100  
58 55.6 27.5 82.5



#60  
Dibromochloromethane  
Concen: 19.196 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 129 Resp: 93659  
Ion Ratio Lower Upper  
129 100  
127 76.6 37.8 113.3





#61

1,2-Dibromoethane

Concen: 19.057 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

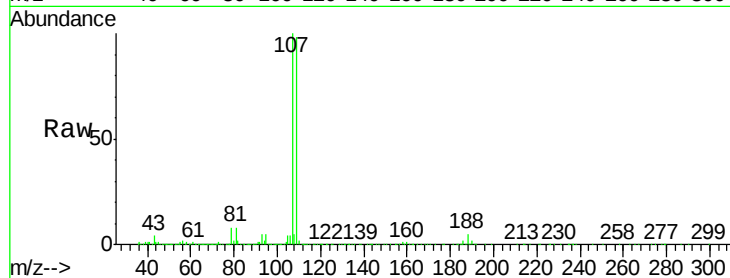
VX0227WBS02

Tot Ion:107 Resp: 93227

Ion Ratio Lower Upper

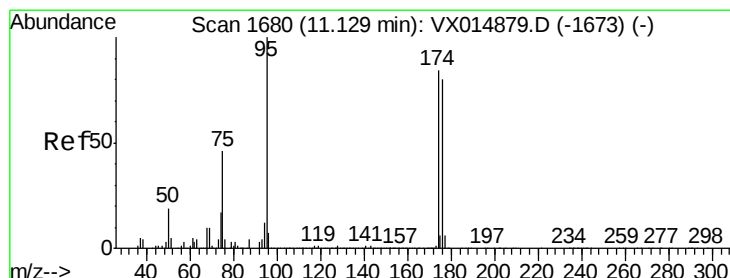
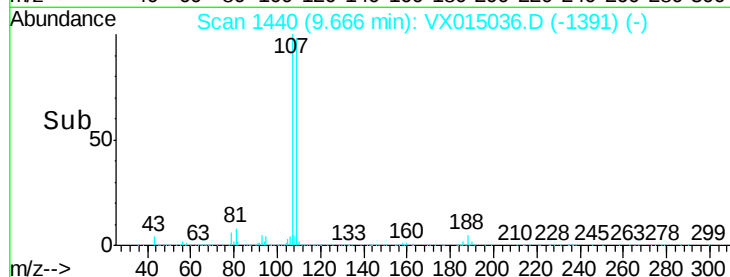
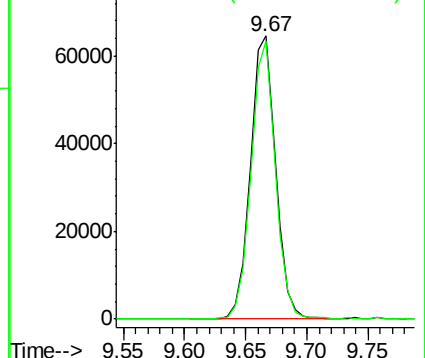
107 100

109 94.6 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.116 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

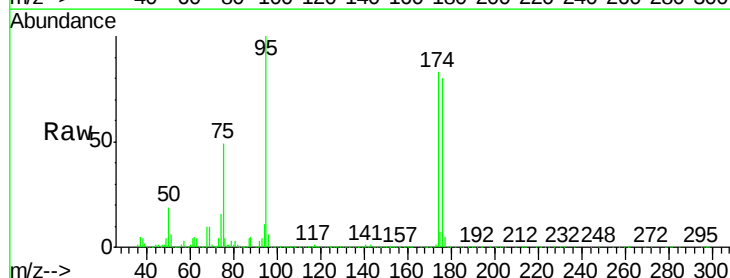
Tgt Ion: 95 Resp: 274093

Ion Ratio Lower Upper

95 100

174 88.0 0.0 183.0

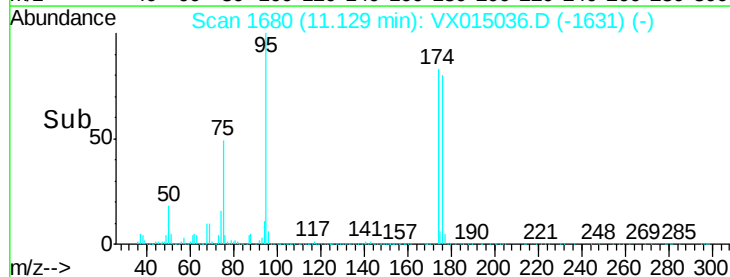
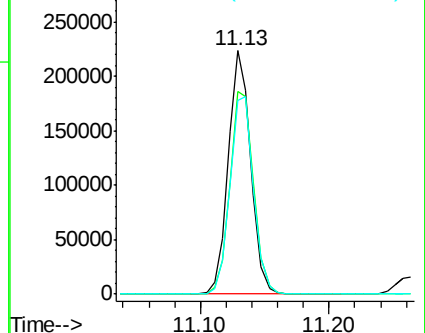
176 85.8 0.0 178.0

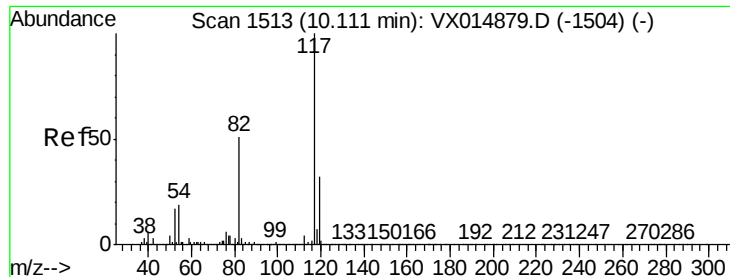


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

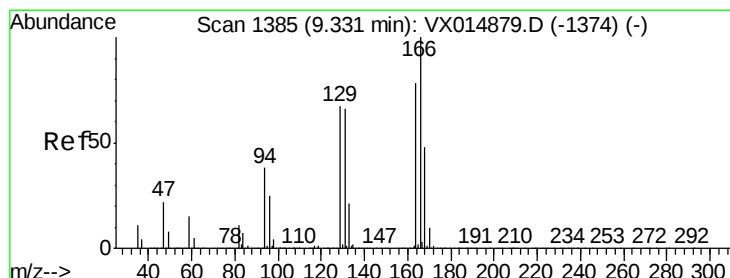
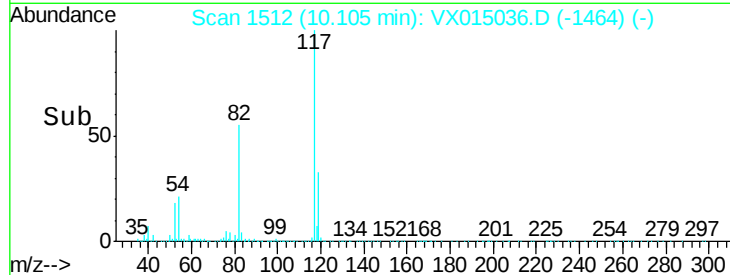
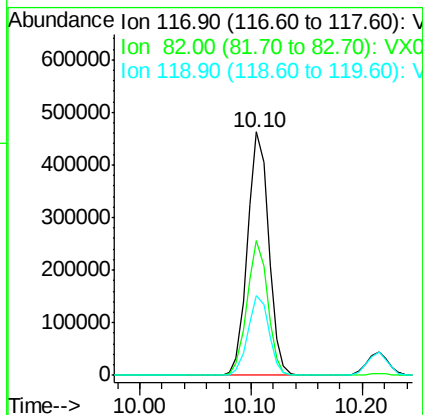
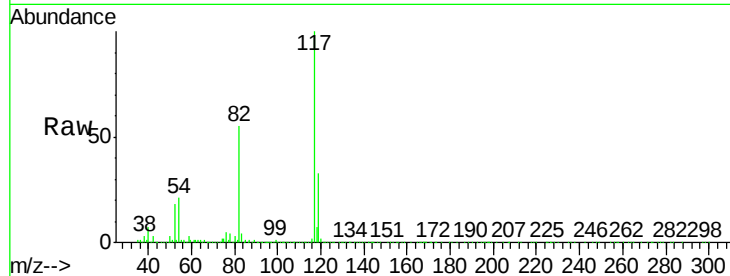




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

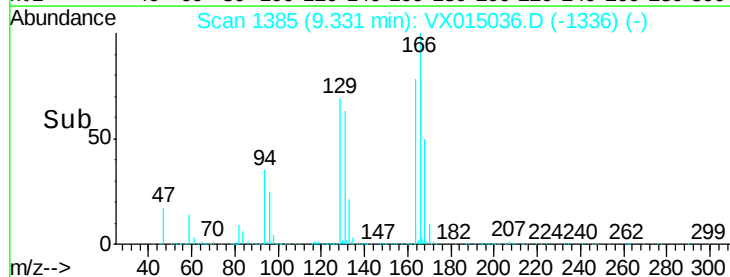
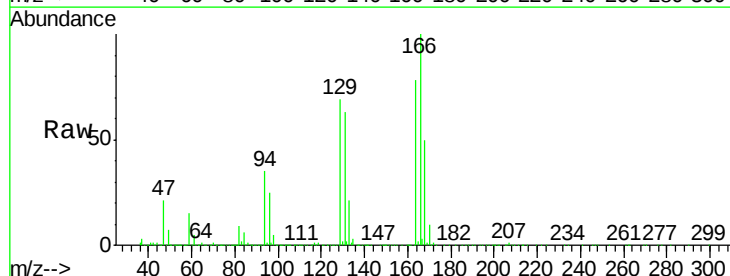
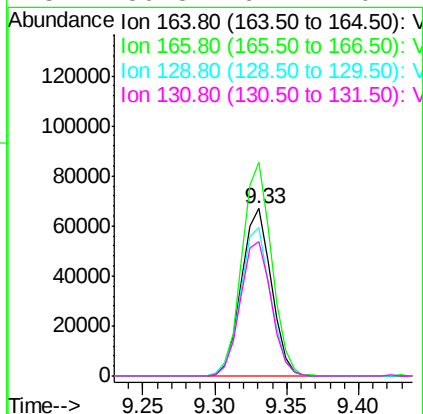
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

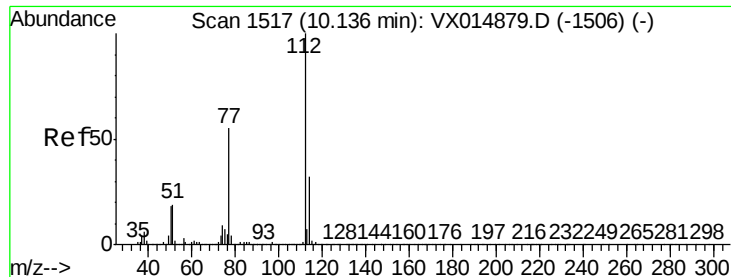
Tot Ion:117 Resp: 610541  
Ion Ratio Lower Upper  
117 100  
82 55.2 40.5 60.7  
119 32.5 25.8 38.6



#64  
Tetrachloroethene  
Concen: 16.941 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion:164 Resp: 96707  
Ion Ratio Lower Upper  
164 100  
166 127.5 102.6 153.8  
129 88.4 68.3 102.5  
131 80.3 67.4 101.2





#65

Chlorobenzene

Concen: 19.195 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

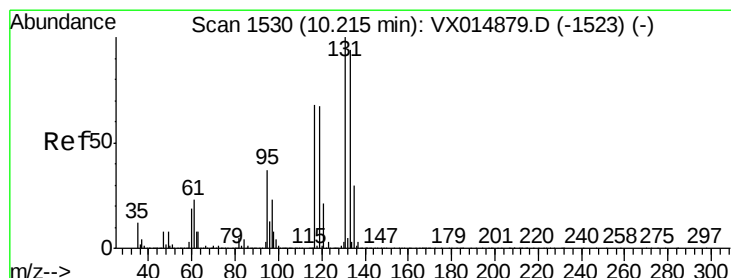
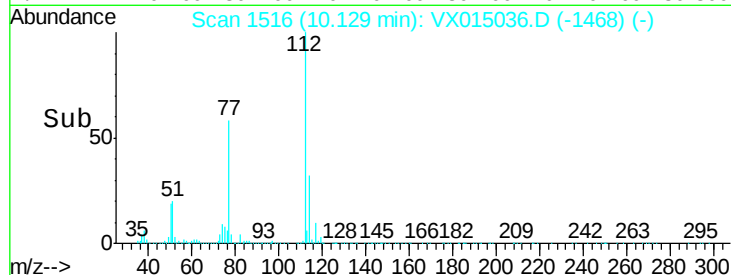
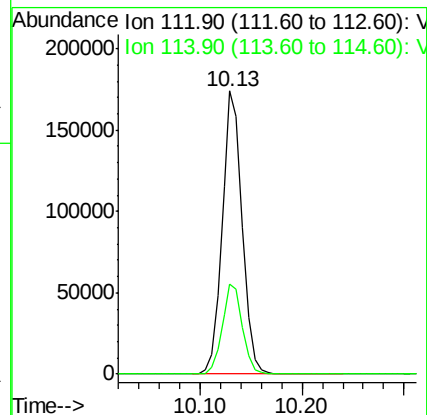
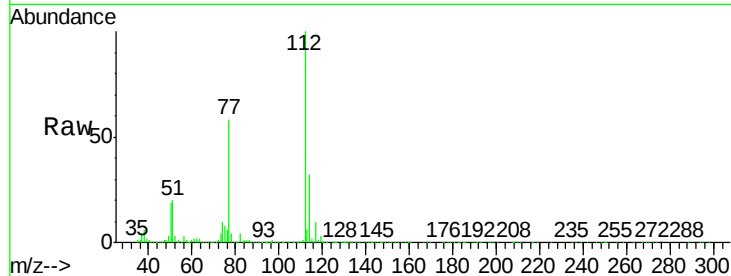
VX0227WBS02

Tot Ion:112 Resp: 237693

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 19.559 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

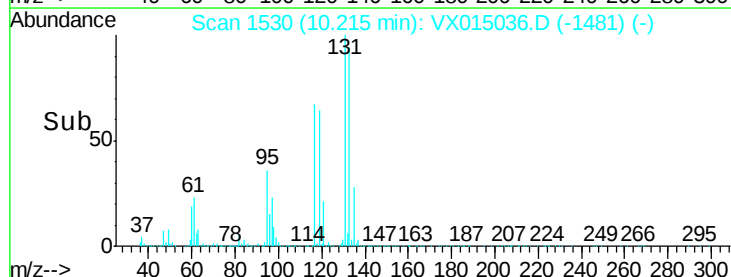
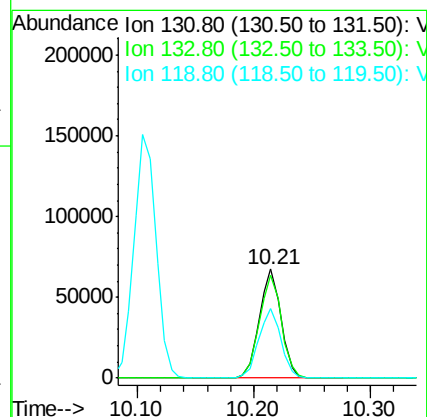
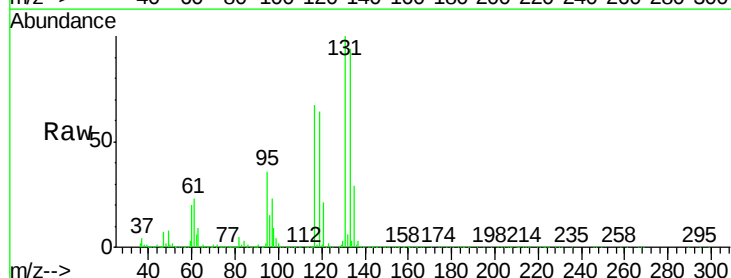
Tgt Ion:131 Resp: 87934

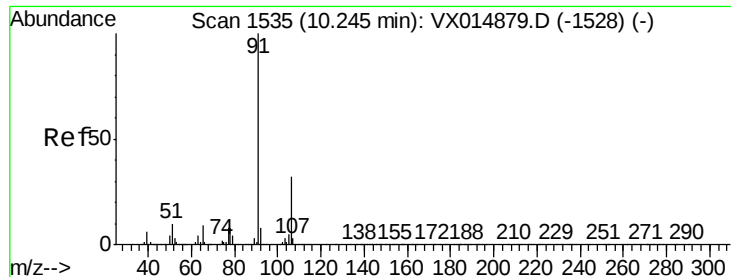
Ion Ratio Lower Upper

131 100

133 96.3 48.1 144.4

119 65.4 33.0 99.0

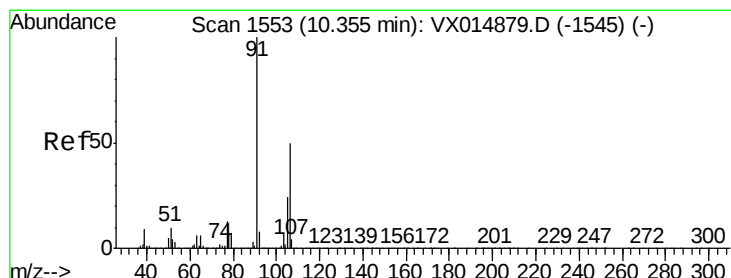
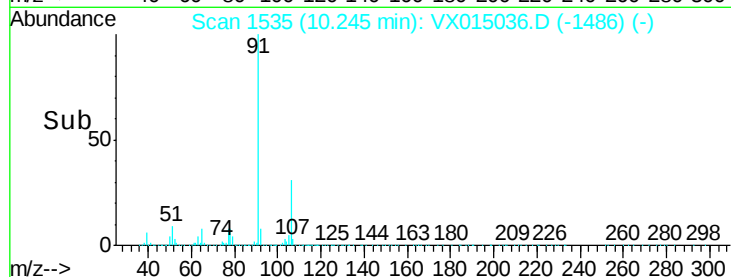
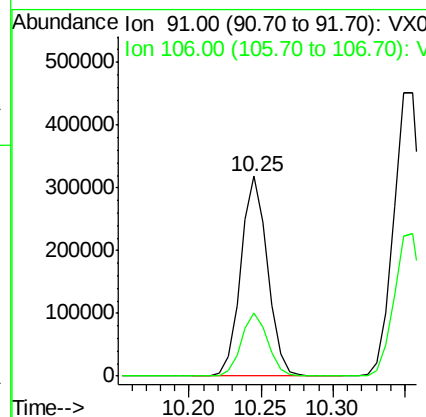
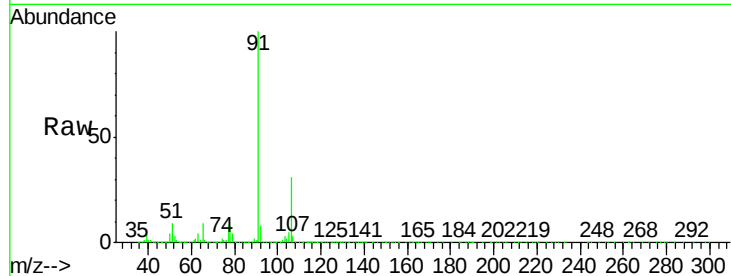




#67  
Ethyl Benzene  
Concen: 19.478 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

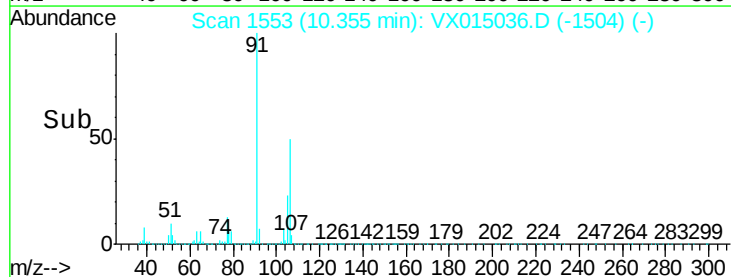
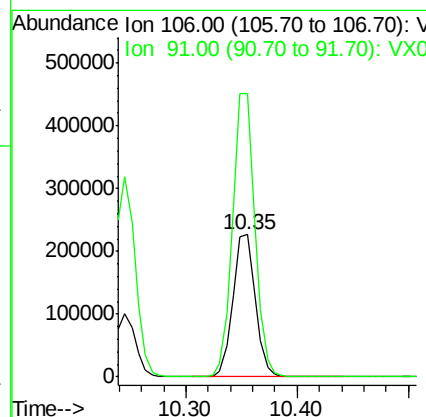
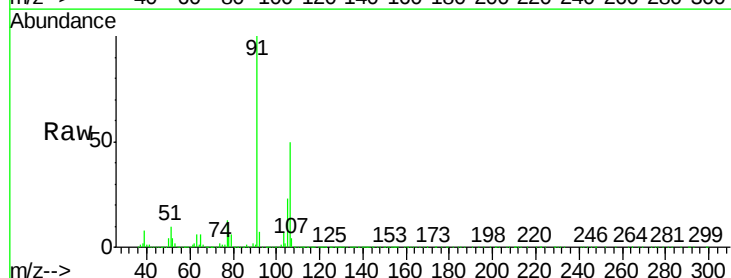
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

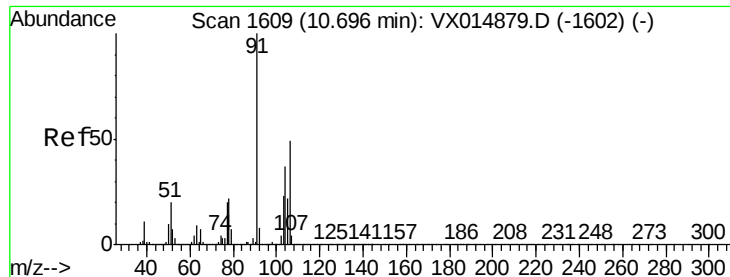
Tot Ion: 91 Resp: 410204  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.3 37.9



#68  
m/p-Xylenes  
Concen: 38.877 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 106 Resp: 315414  
Ion Ratio Lower Upper  
106 100  
91 198.5 160.6 240.8

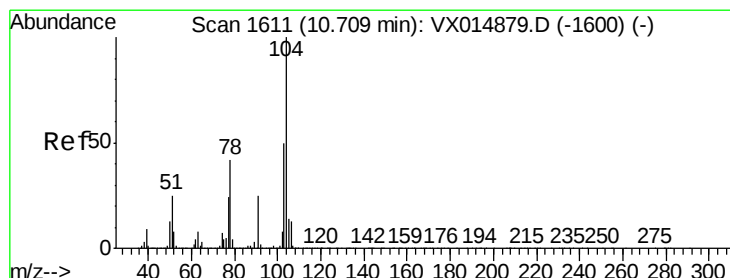
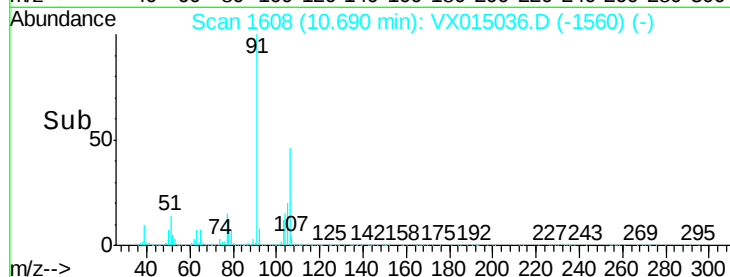
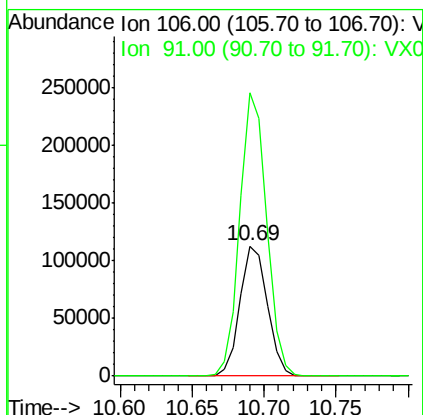
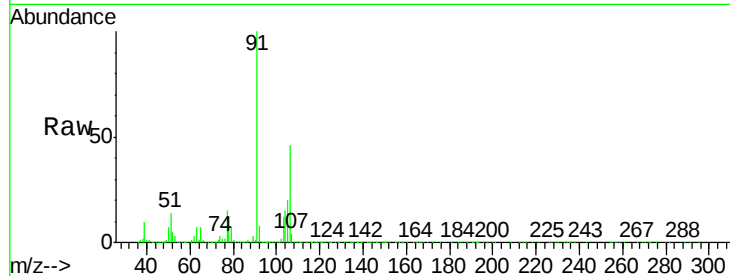




#69  
o-Xylene  
Concen: 19.187 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. -0.01 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

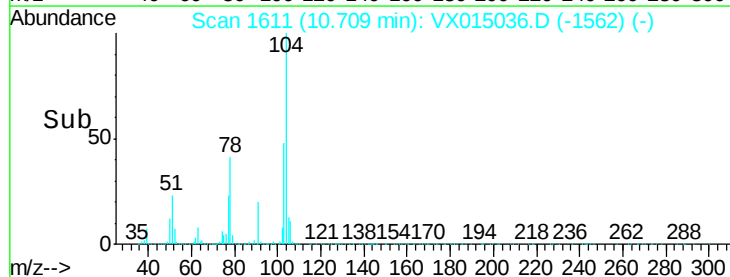
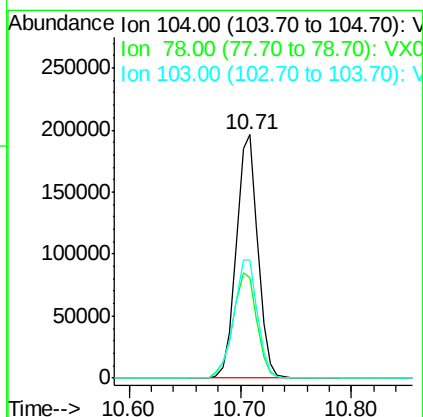
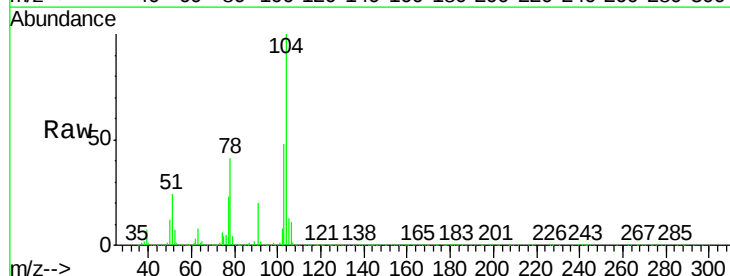
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0227WBS02

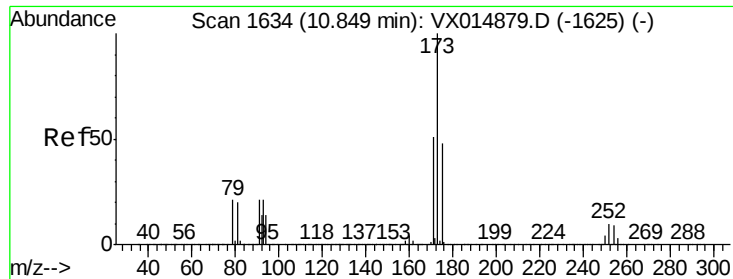
Tot Ion:106 Resp: 149641  
Ion Ratio Lower Upper  
106 100  
91 213.2 105.1 315.3



#70  
Styrene  
Concen: 19.808 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion:104 Resp: 261343  
Ion Ratio Lower Upper  
104 100  
78 48.3 39.0 58.4  
103 53.8 43.4 65.0





#71

Bromoform

Concen: 18.904 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

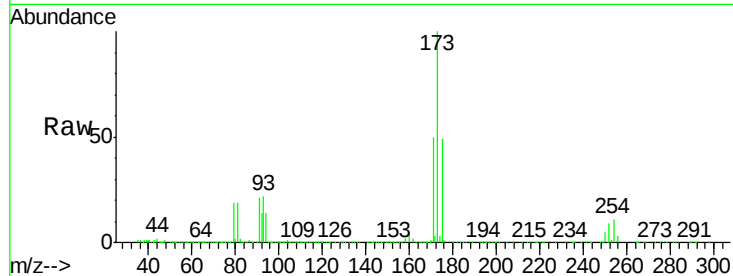
Tot Ion:173 Resp: 70939

Ion Ratio Lower Upper

173 100

175 48.7 24.2 72.6

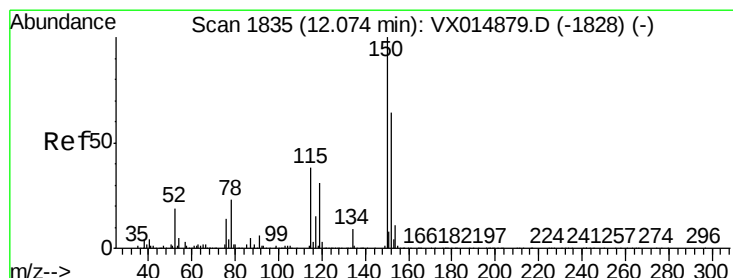
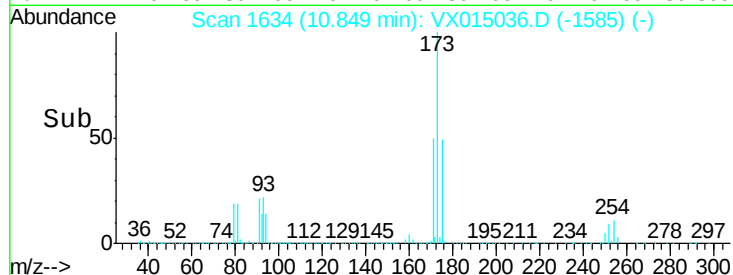
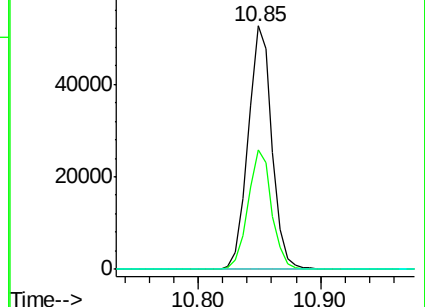
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

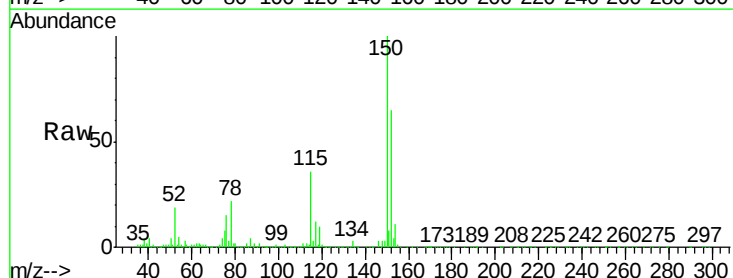
Tgt Ion:152 Resp: 324820

Ion Ratio Lower Upper

152 100

115 64.1 38.6 116.0

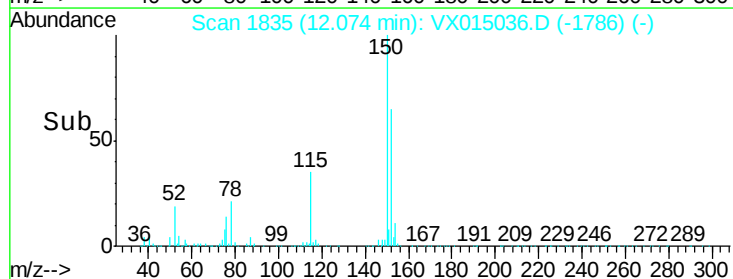
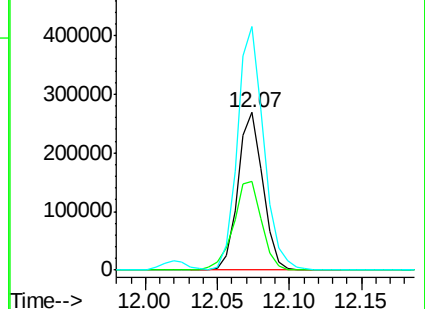
150 162.6 0.0 349.0

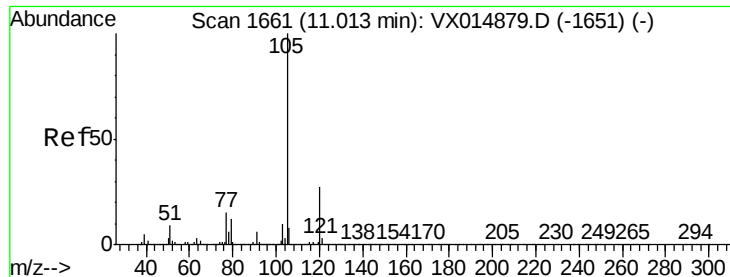


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.196 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

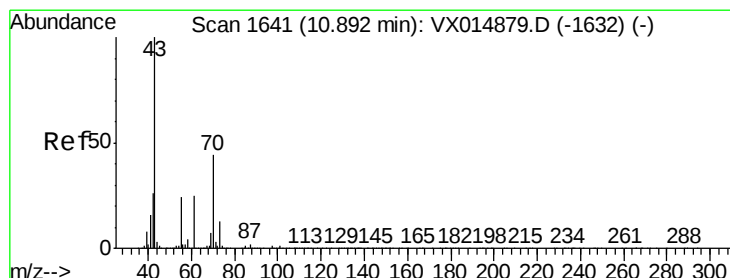
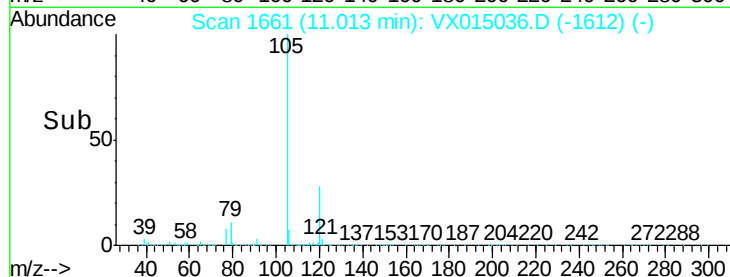
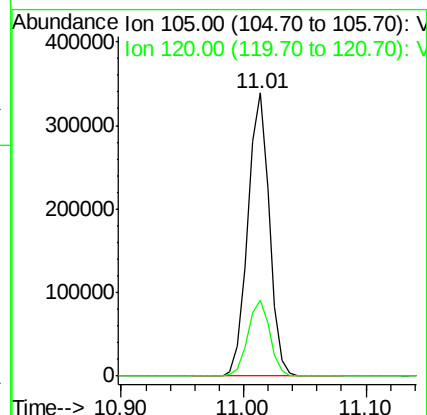
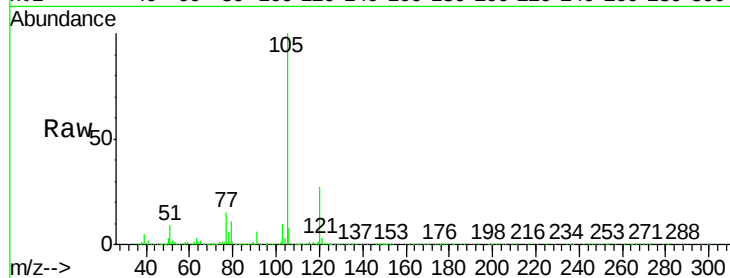
VX0227WBS02

Tot Ion:105 Resp: 411396

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#74

N-ethyl acetate

Concen: 19.827 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion: 43 Resp: 167813

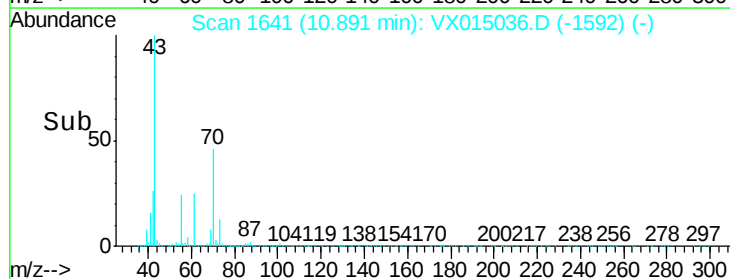
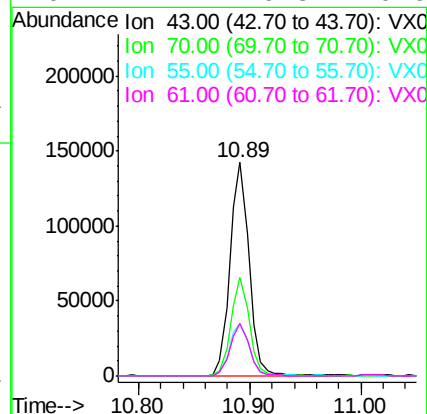
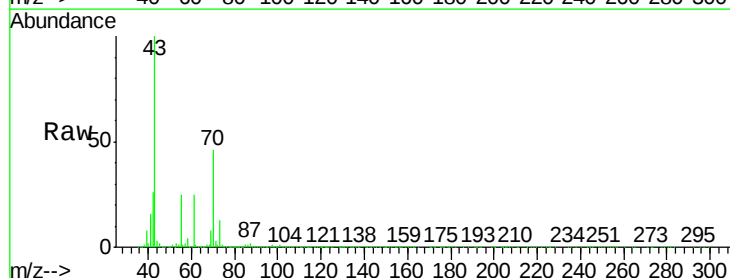
Ion Ratio Lower Upper

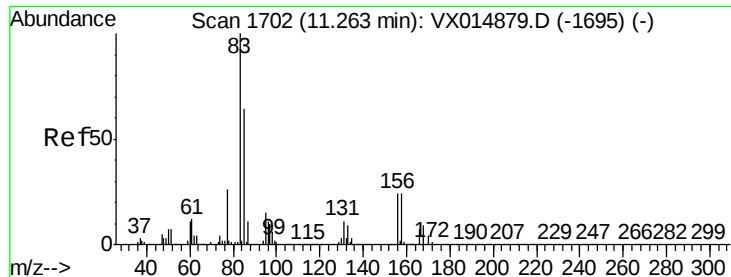
43 100

70 44.8 35.0 52.4

55 25.4 19.4 29.2

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.555 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampled :

VX0227WBS02

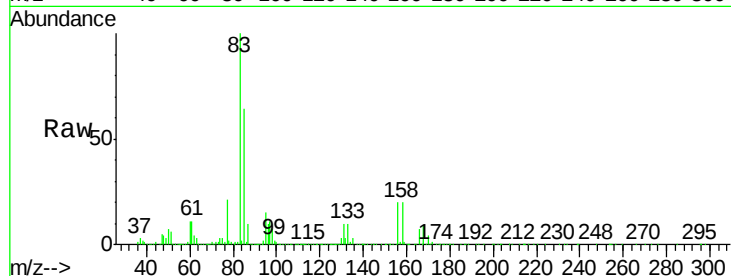
Tot Ion: 83 Resp: 136867

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

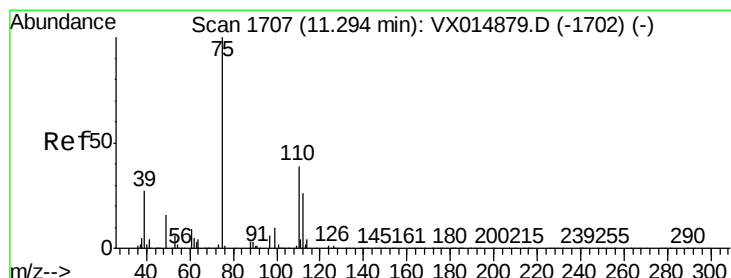
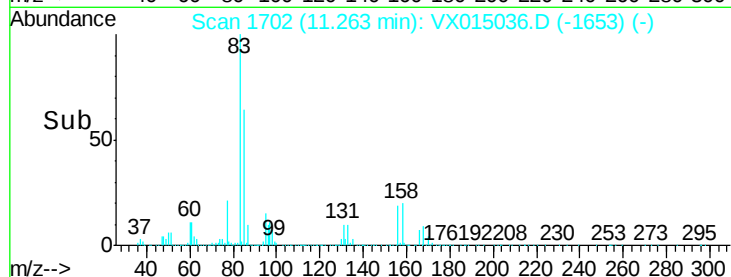
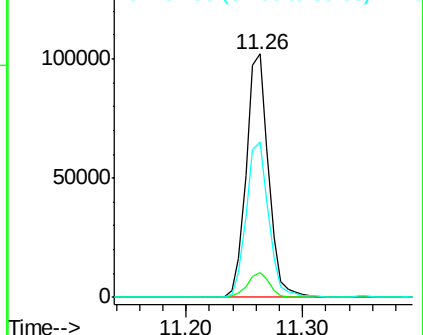
85 64.1 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.895 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX015036.D

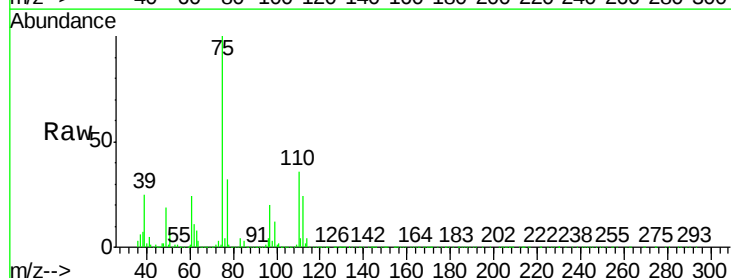
Acq: 27 Feb 2020 10:33

Tgt Ion: 75 Resp: 152103

Ion Ratio Lower Upper

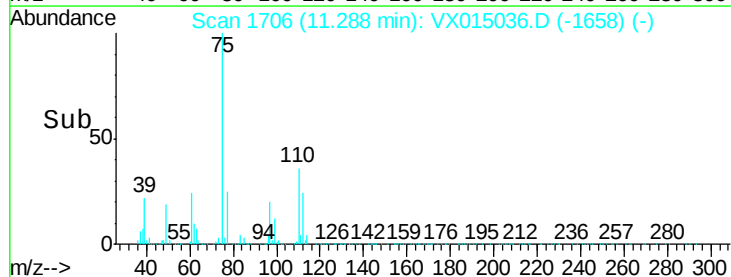
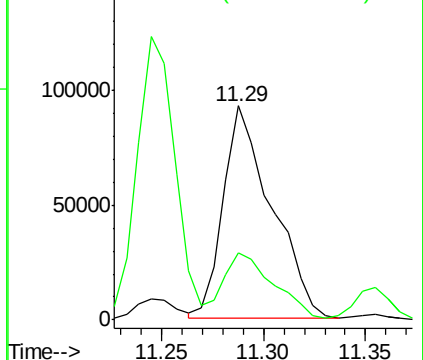
75 100

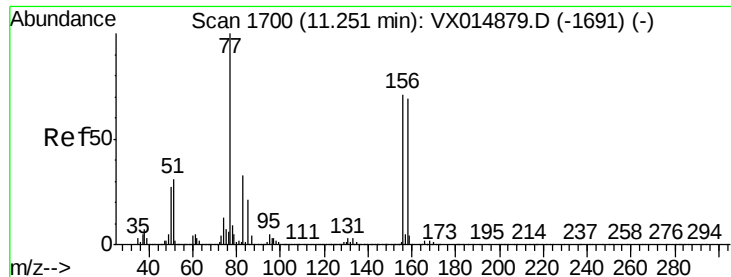
77 33.1 18.4 55.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.075 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

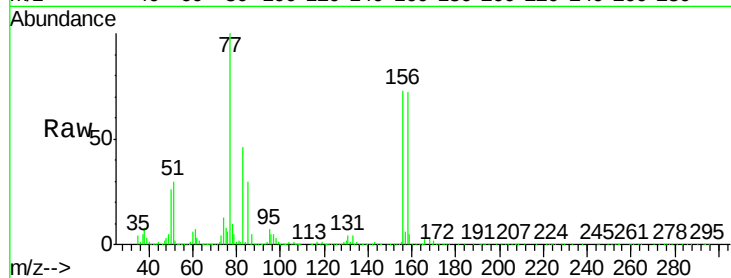
Tot Ion:156 Resp: 108452

Ion Ratio Lower Upper

156 100

77 147.1 74.0 222.0

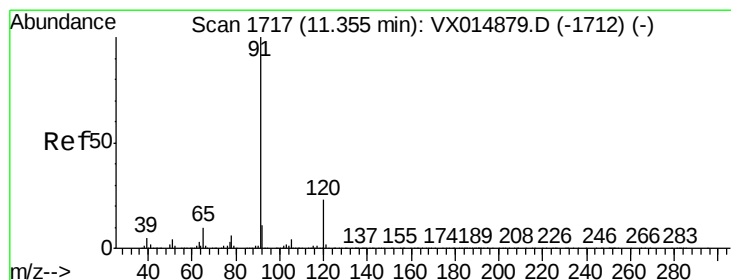
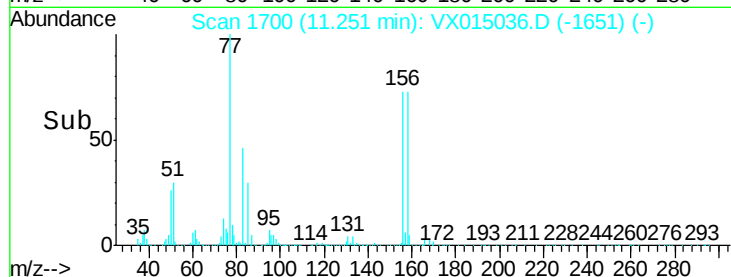
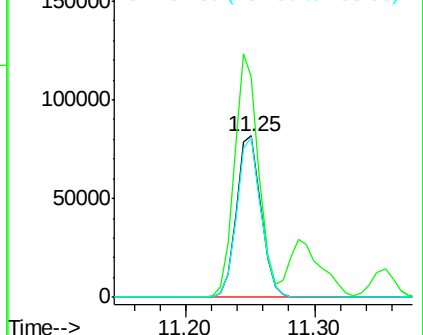
158 97.9 48.9 146.6



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: 19.874 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX015036.D

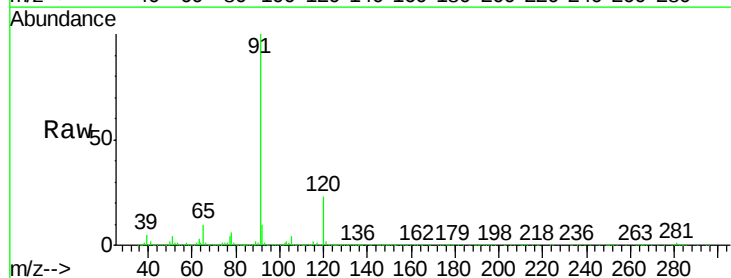
Acq: 27 Feb 2020 10:33

Tgt Ion: 91 Resp: 468222

Ion Ratio Lower Upper

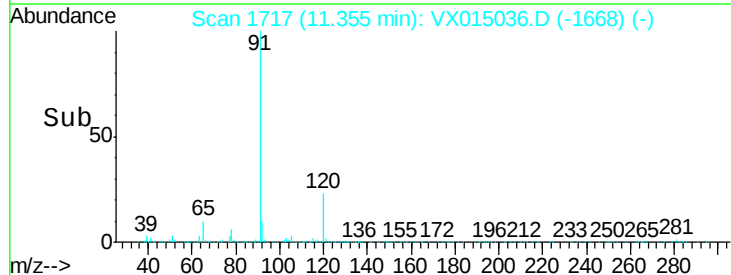
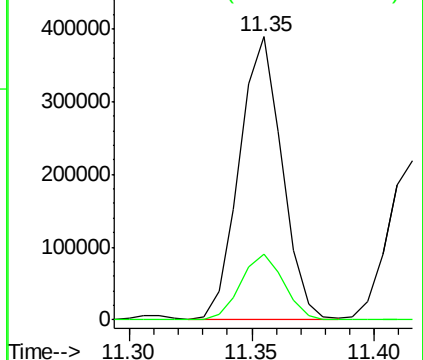
91 100

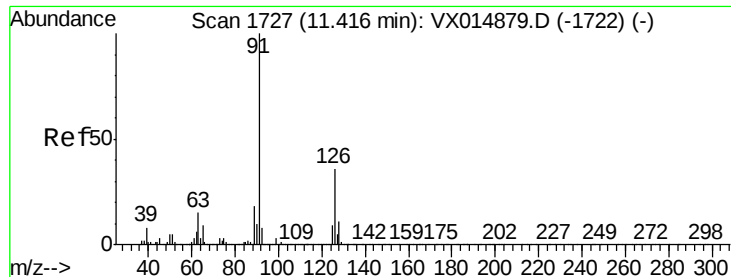
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.865 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

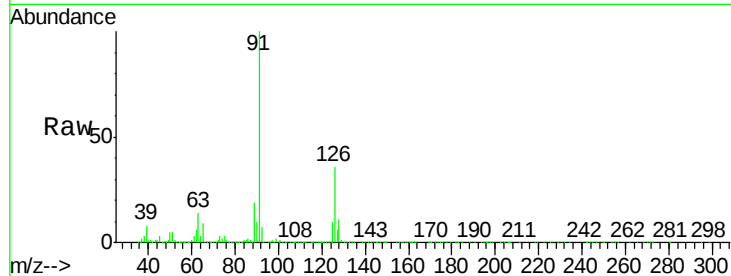
VX0227WBS02

Tot Ion: 91 Resp: 275139

Ion Ratio Lower Upper

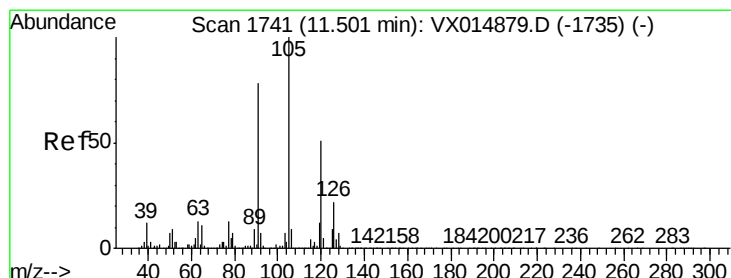
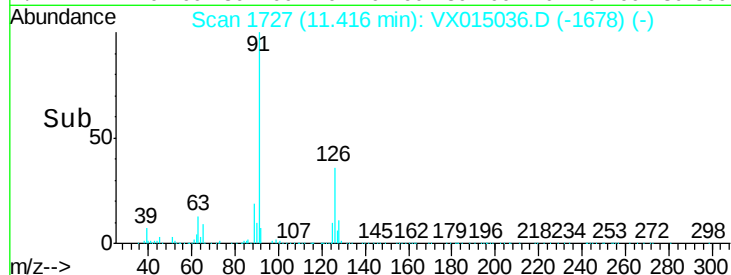
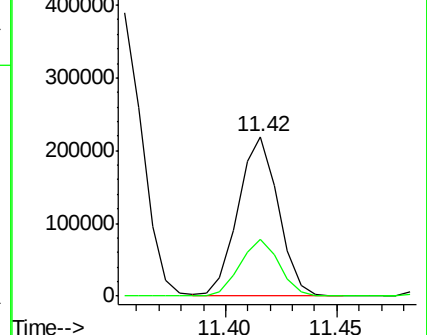
91 100

126 35.3 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: 20.038 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015036.D

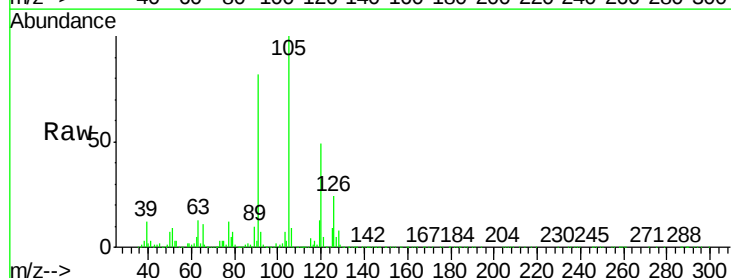
Acq: 27 Feb 2020 10:33

Tgt Ion: 105 Resp: 341044

Ion Ratio Lower Upper

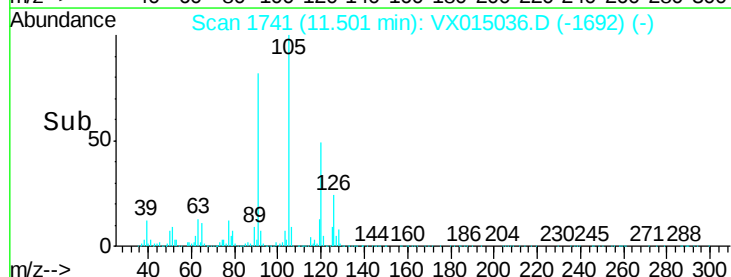
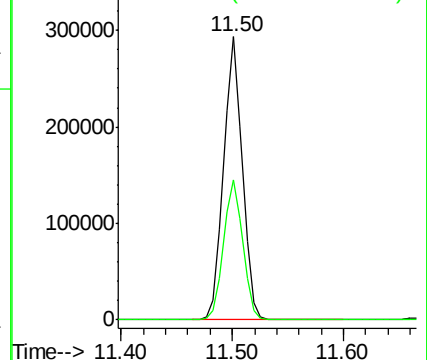
105 100

120 50.4 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: 18.194 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampled :

VX0227WBS02

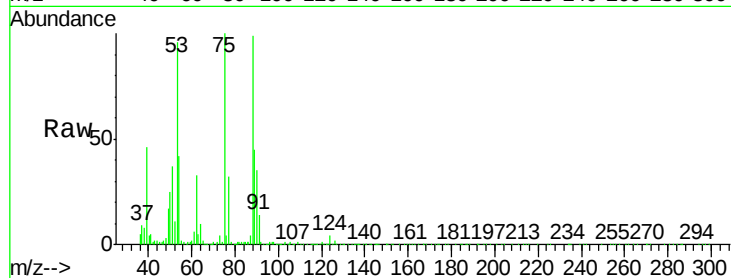
Tot Ion: 75 Resp: 41751

Ion Ratio Lower Upper

75 100

53 99.6 76.2 114.2

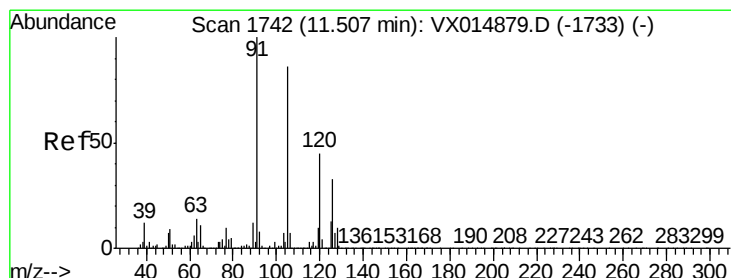
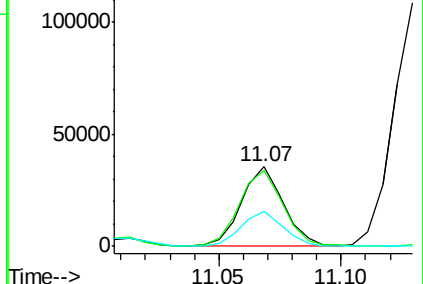
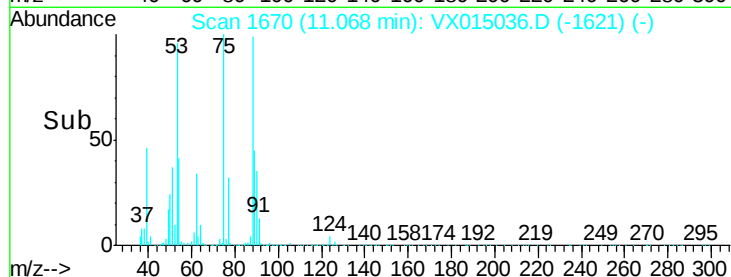
89 46.1 35.8 53.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.628 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX015036.D

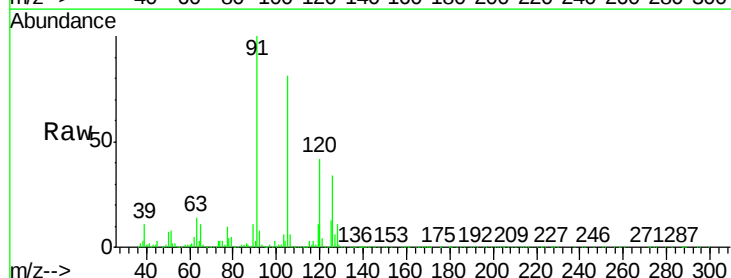
Acq: 27 Feb 2020 10:33

Tgt Ion: 91 Resp: 321948

Ion Ratio Lower Upper

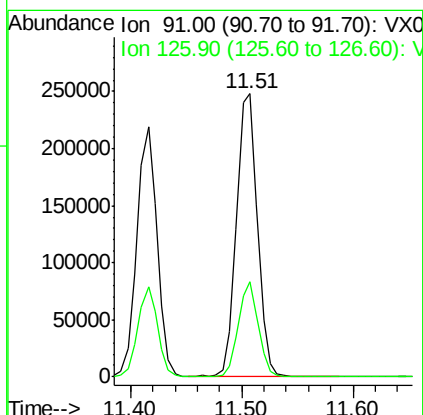
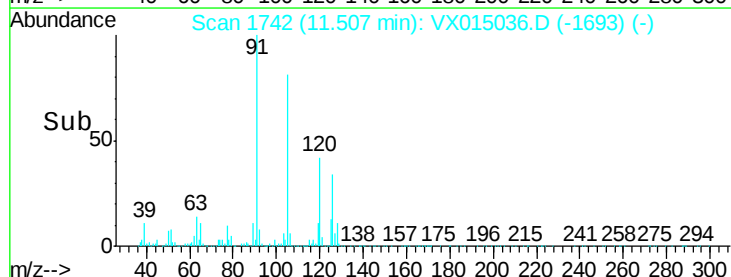
91 100

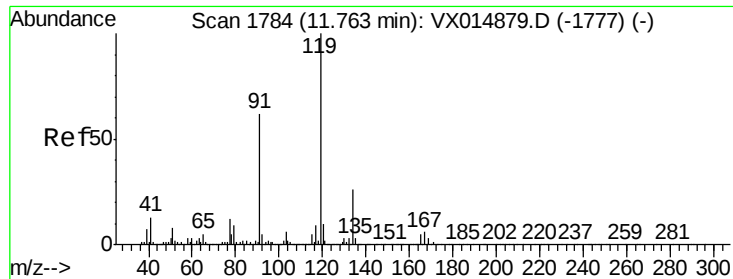
126 31.8 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.561 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

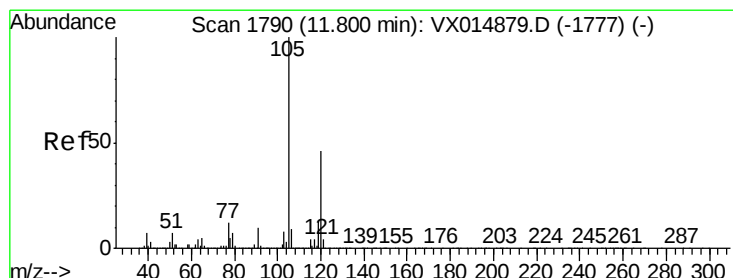
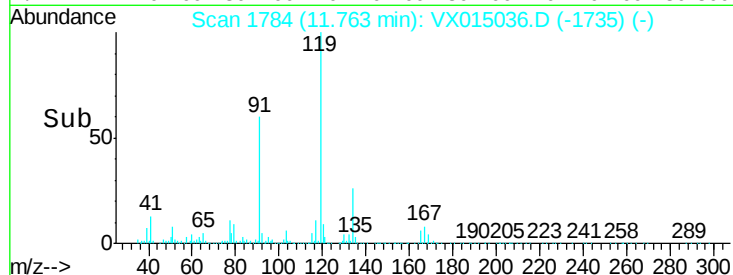
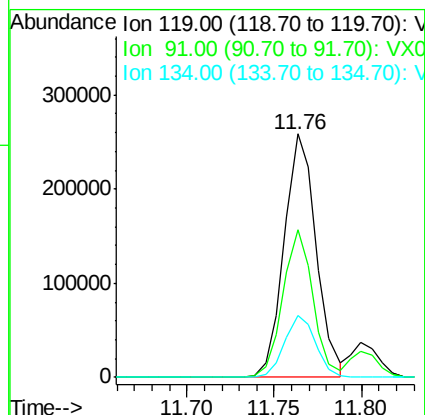
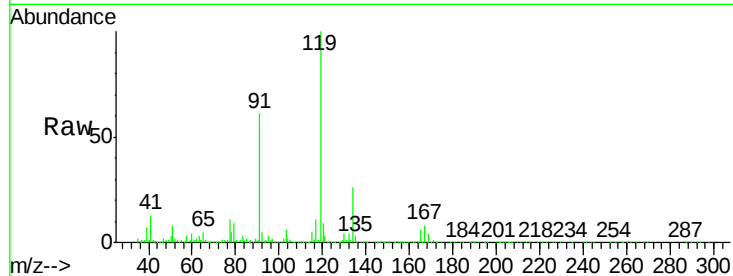
Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0227WBS02

Tot Ion:119 Resp: 331382

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 56.7  | 29.5  | 88.6  |
| 134 | 24.8  | 12.6  | 37.6  |



#84

1,2,4-Trimethylbenzene

Concen: 20.090 ug/l

RT: 11.80 min Scan# 1790

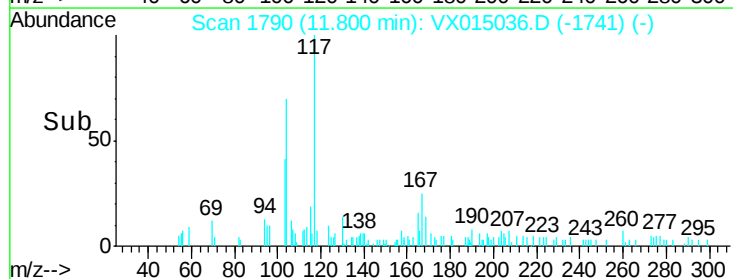
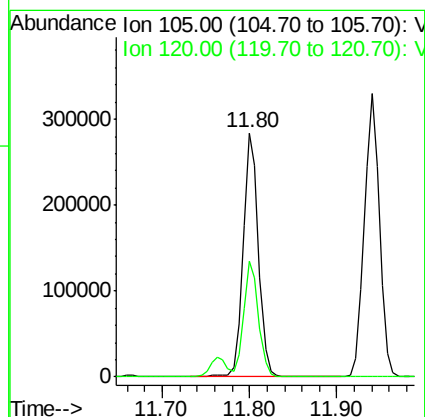
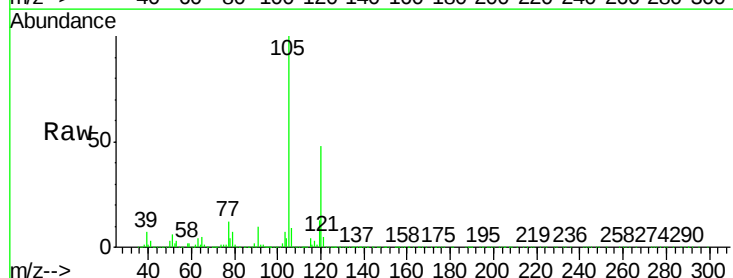
Delta R.T. -0.00 min

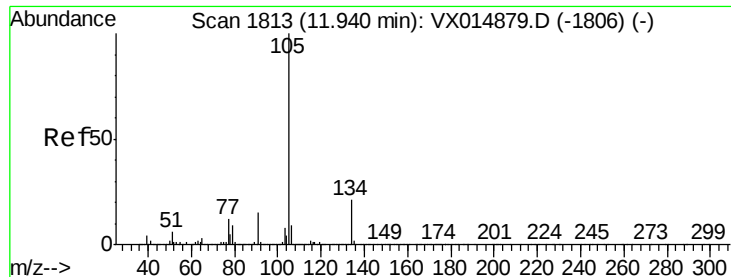
Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:105 Resp: 344599

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 46.1  | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 19.846 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

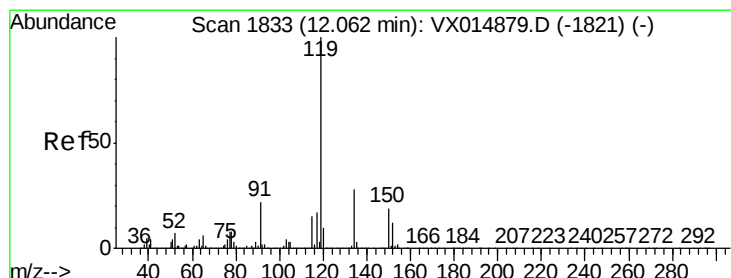
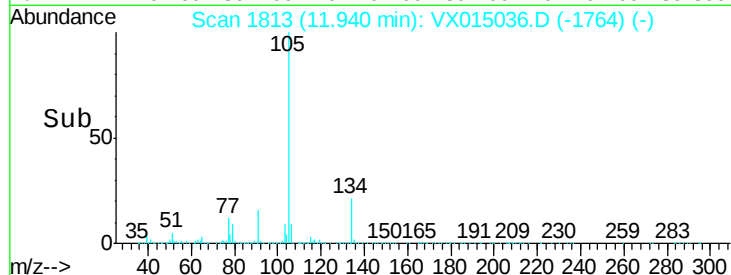
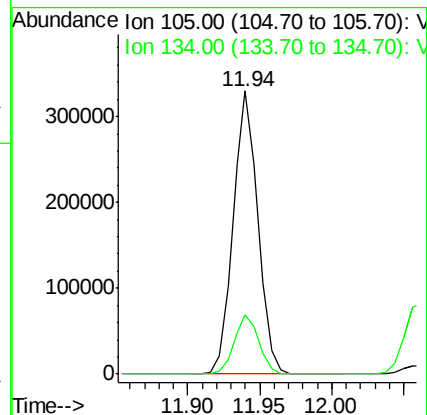
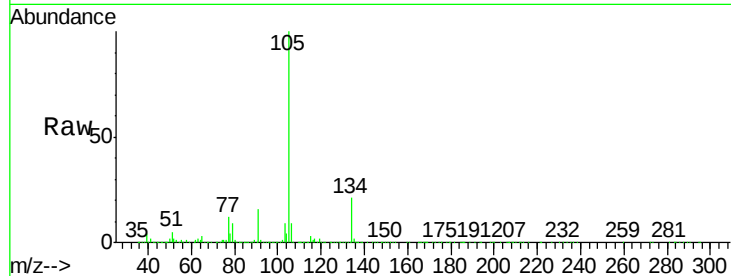
VX0227WBS02

Tot Ion:105 Resp: 397372

Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8



#86

p-Isopropyltoluene

Concen: 20.016 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

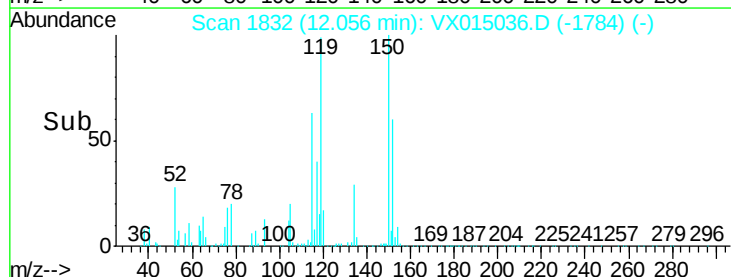
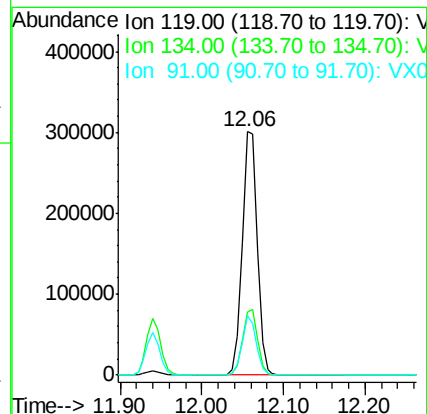
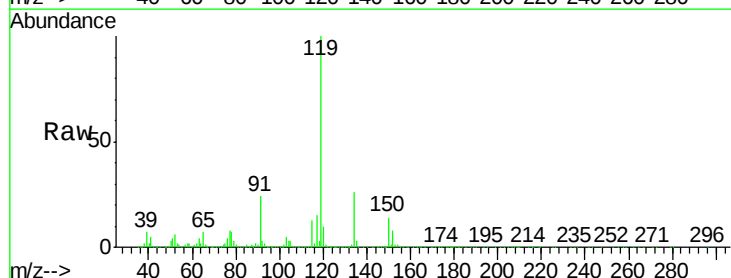
Tgt Ion:119 Resp: 375029

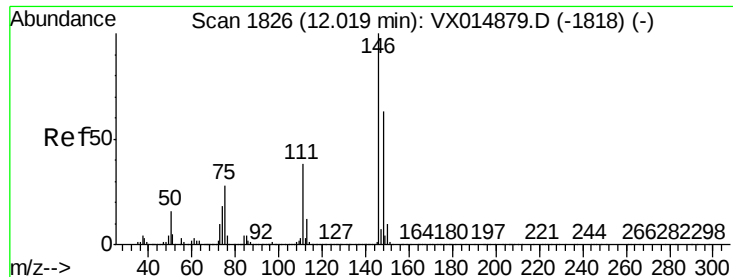
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.8 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 18.964 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

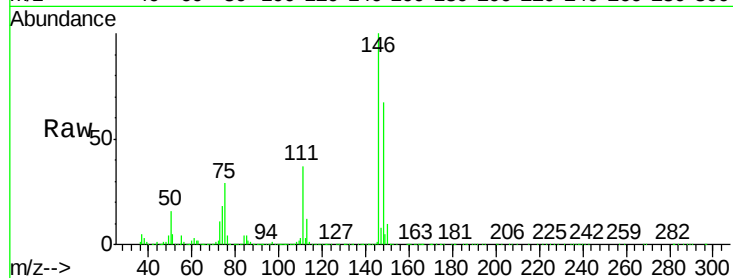
Tot Ion:146 Resp: 193429

Ion Ratio Lower Upper

146 100

111 37.4 18.6 56.0

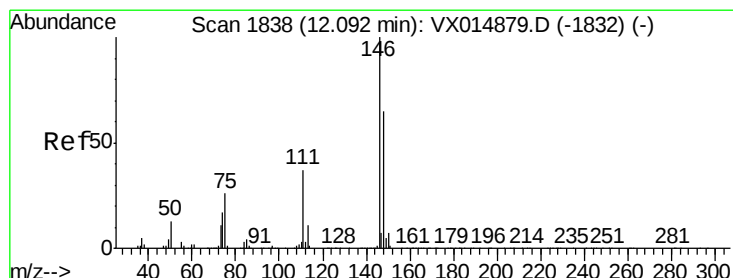
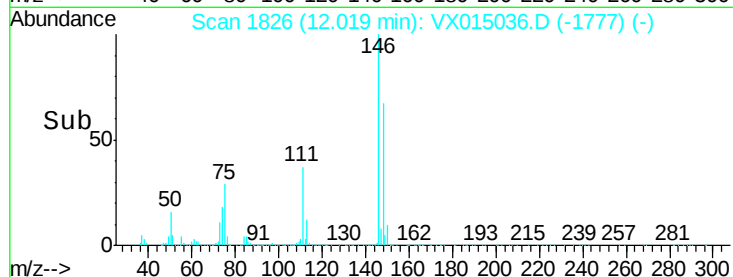
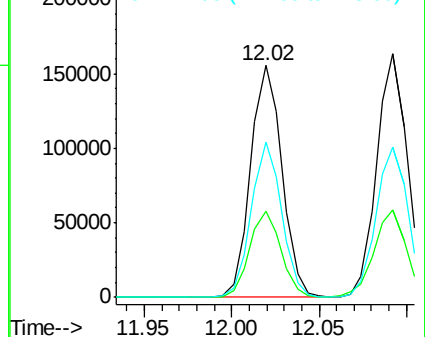
148 65.2 31.8 95.4



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: 19.148 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

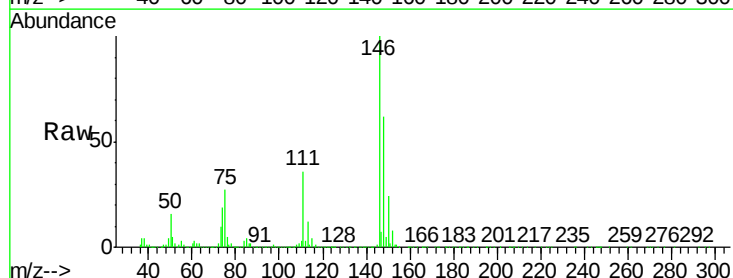
Tgt Ion:146 Resp: 199438

Ion Ratio Lower Upper

146 100

111 37.6 18.6 55.6

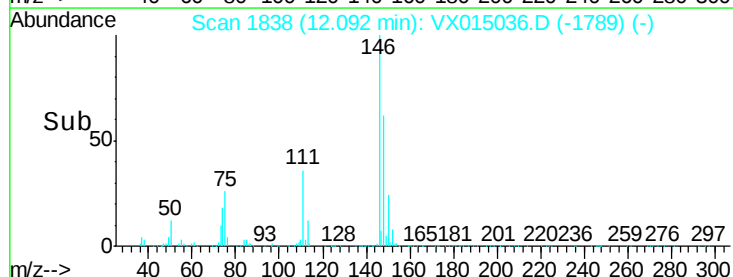
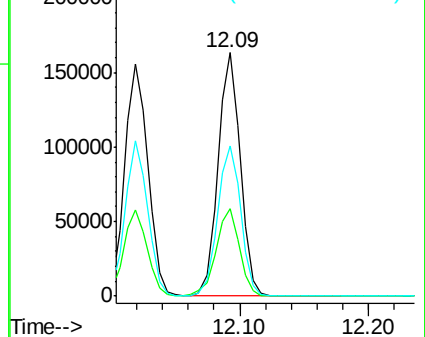
148 64.0 32.4 97.0

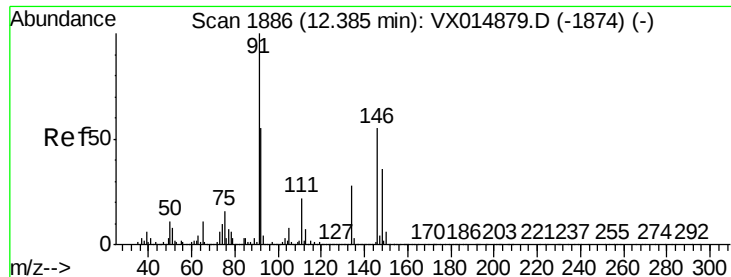


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

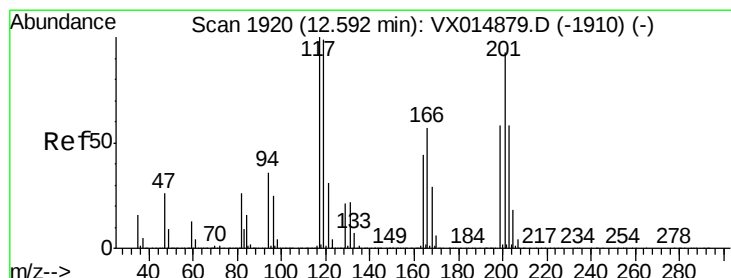
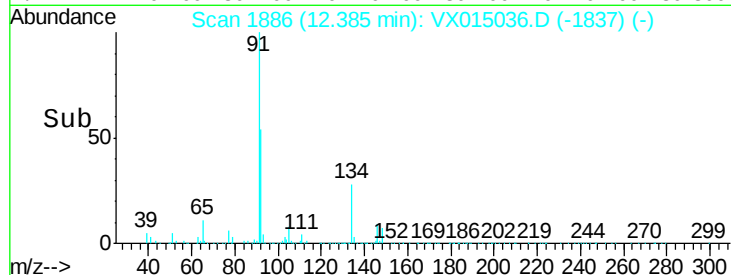
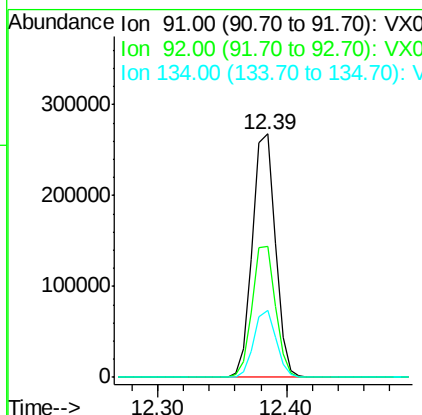
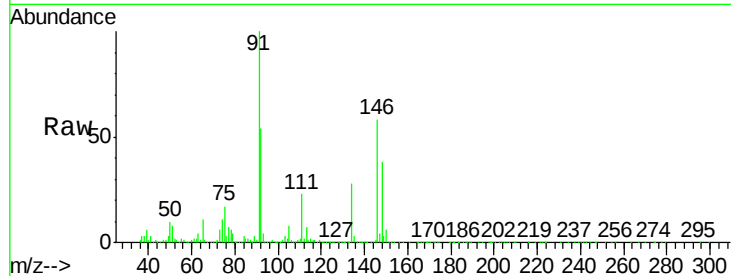




#89  
n-Butylbenzene  
Concen: 19.535 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

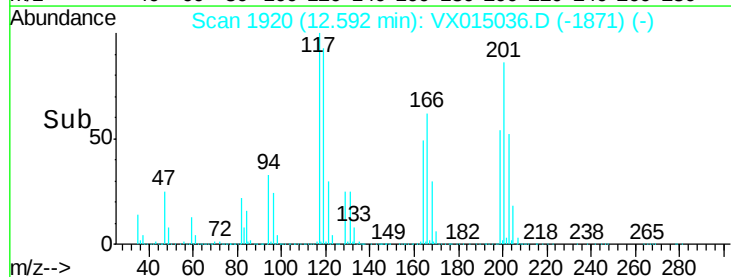
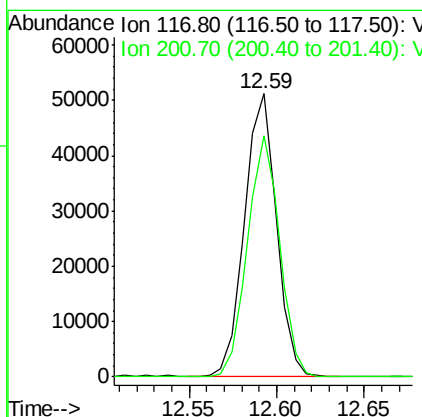
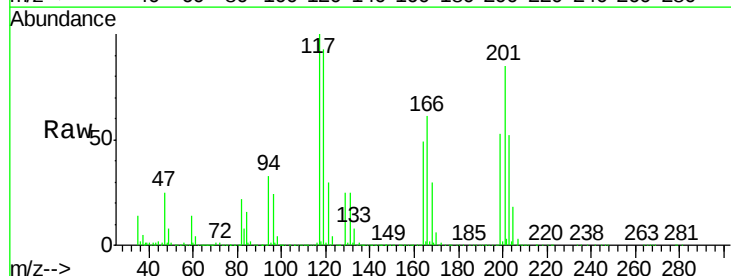
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227WBS02

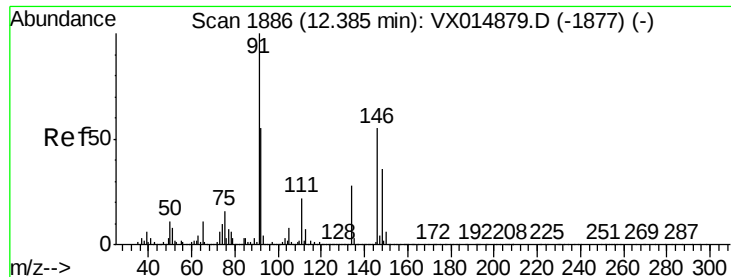
Tot Ion: 91 Resp: 327807  
Ion Ratio Lower Upper  
91 100  
92 54.5 27.3 81.8  
134 26.7 13.8 41.4



#90  
Hexachloroethane  
Concen: 19.728 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion: 117 Resp: 64552  
Ion Ratio Lower Upper  
117 100  
201 86.4 44.8 134.3





#91

1,2-Dichlorobenzene

Concen: 19.145 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0227WBS02

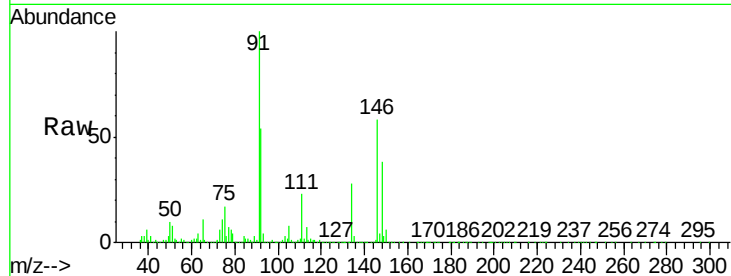
Tot Ion:146 Resp: 191491

Ion Ratio Lower Upper

146 100

111 39.1 19.8 59.3

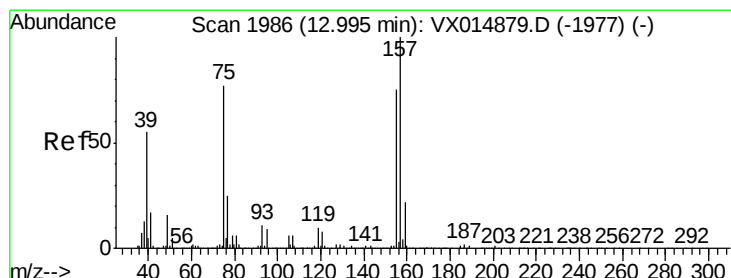
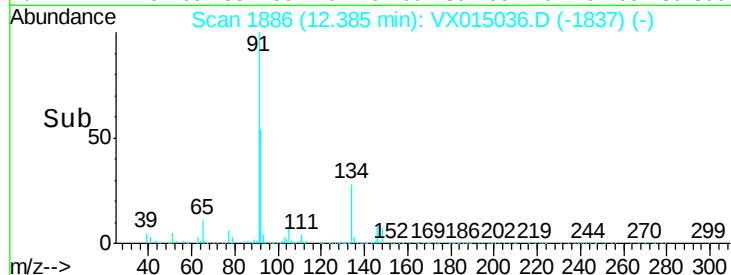
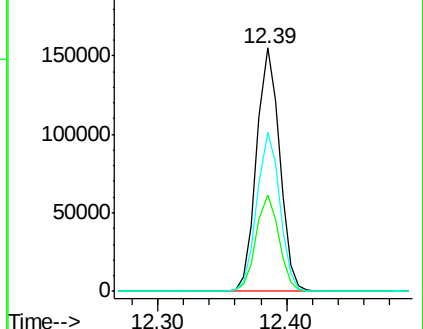
148 64.7 32.4 97.2



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: 18.262 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

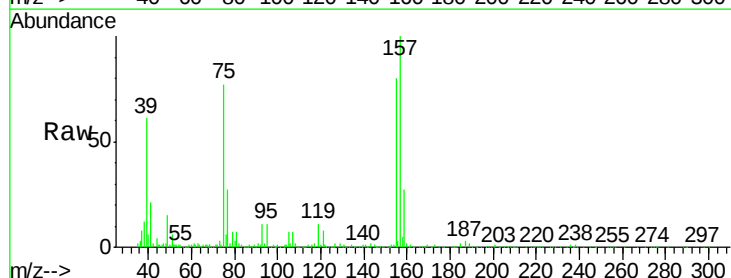
Tgt Ion: 75 Resp: 28528

Ion Ratio Lower Upper

75 100

155 96.0 48.6 145.9

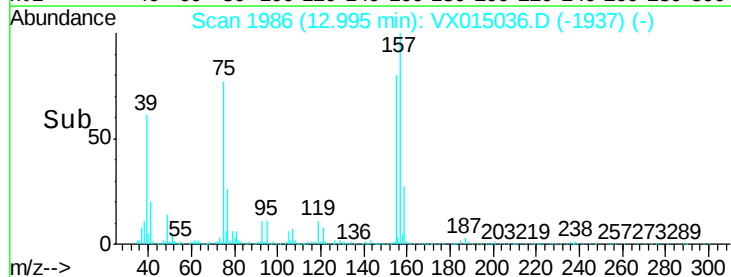
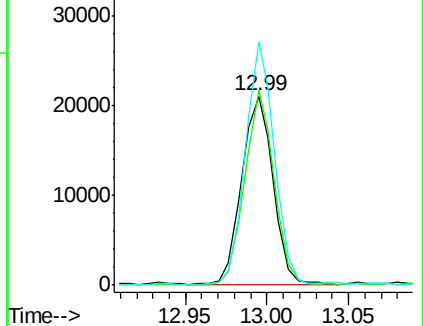
157 118.4 62.0 186.0

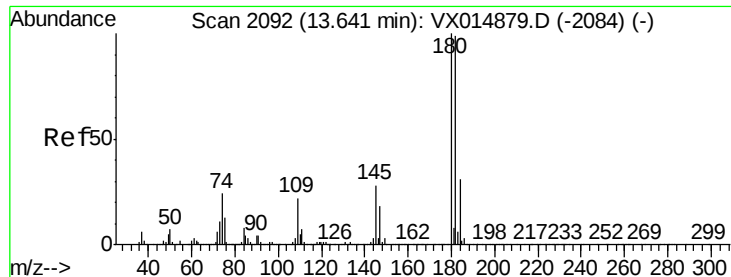


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

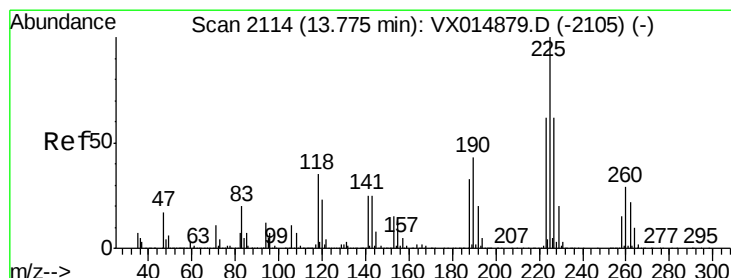
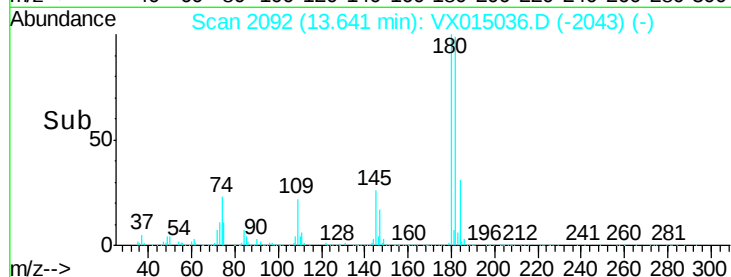
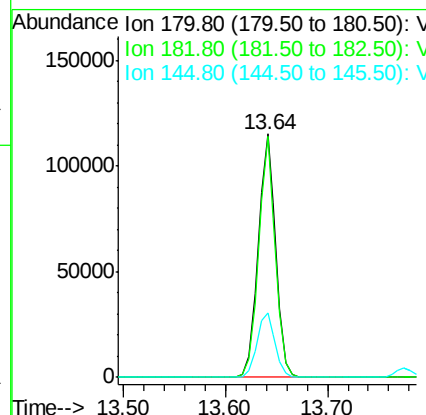
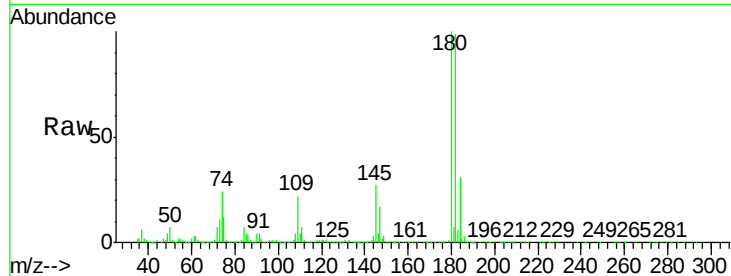




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.831 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

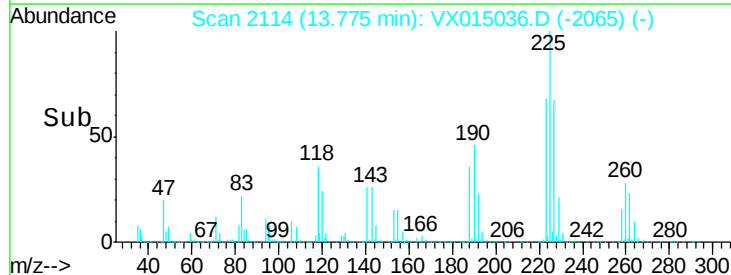
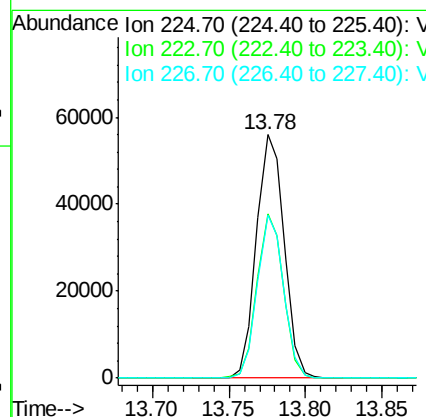
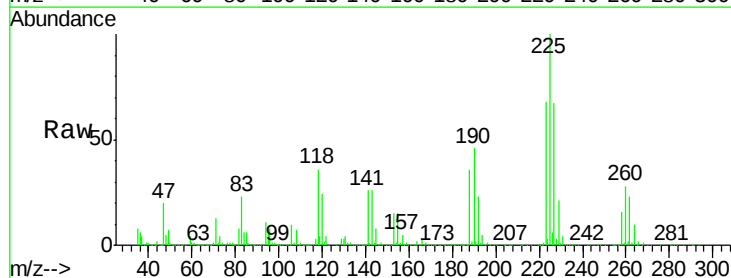
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227WBS02

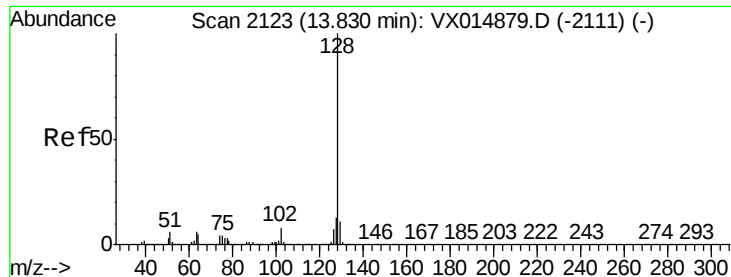
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 48.4  | 145.3 |
| 145     | 27.4  | 14.1  | 42.4  |



#94  
 Hexachlorobutadiene  
 Concen: 19.823 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. -0.00 min  
 Lab File: VX015036.D  
 Acq: 27 Feb 2020 10:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 31.1  | 93.2  |
| 227     | 63.2  | 30.9  | 92.5  |

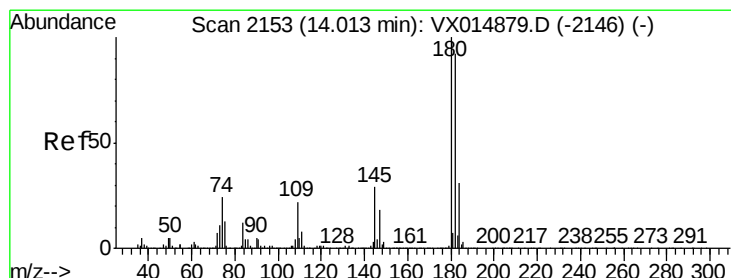
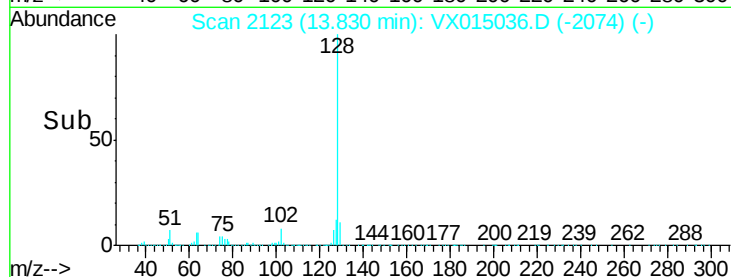
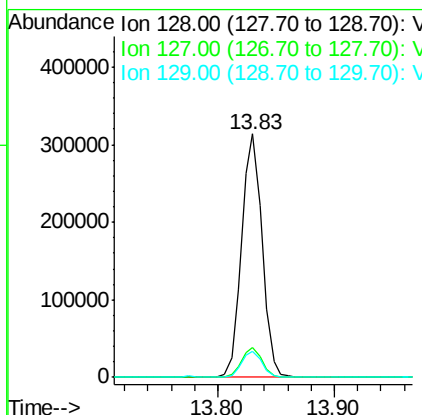
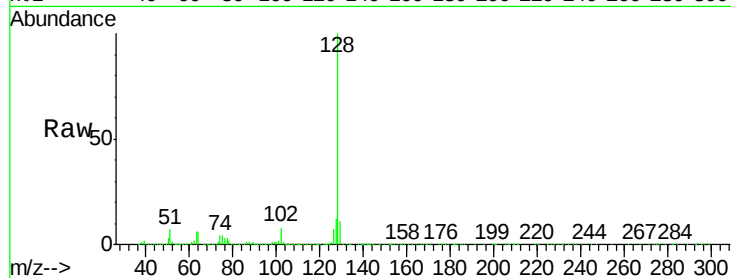




#95  
Naphthalene  
Concen: 19.741 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0227WBS02

Tot Ion:128 Resp: 387512  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.4 15.6  
129 10.7 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 18.929 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. -0.00 min  
Lab File: VX015036.D  
Acq: 27 Feb 2020 10:33

Tgt Ion:180 Resp: 135018  
Ion Ratio Lower Upper  
180 100  
182 98.8 47.5 142.6  
145 31.4 14.5 43.5

