

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042020\  
 Data File : VX015760.D  
 Acq On : 20 Apr 2020 13:06  
 Operator : JC/SP  
 Sample : VX0420WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 20 15:01:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 1126383  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 1650887  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1496820  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 805791   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65   | 659682   | 41.52 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 83.04% |          |
| 35) Dibromofluoromethane    | 5.46   | 113  | 516811   | 48.97 | ug/l   | -0.01    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.94% |          |
| 50) Toluene-d8              | 8.70   | 98   | 1919154  | 49.40 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.80% |          |
| 62) 4-Bromofluorobenzene    | 11.12  | 95   | 782699   | 49.57 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 99.14% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 140579   | 14.166 | ug/l  | 98     |
| 3) Chloromethane              | 1.31 | 50   | 142068   | 11.242 | ug/l  | 97     |
| 4) Vinyl Chloride             | 1.39 | 62   | 176790   | 15.235 | ug/l  | 100    |
| 5) Bromomethane               | 1.63 | 94   | 78634    | 7.889  | ug/l  | 99     |
| 6) Chloroethane               | 1.71 | 64   | 113272   | 15.739 | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 251231   | 16.144 | ug/l  | 96     |
| 8) Diethyl Ether              | 2.17 | 74   | 107930   | 16.443 | ug/l  | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 177136   | 17.460 | ug/l  | 99     |
| 10) Methyl Iodide             | 2.49 | 142  | 75932    | 5.551  | ug/l  | 97     |
| 11) Tert butyl alcohol        | 3.01 | 59   | 252359   | 66.367 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 167212   | 15.724 | ug/l  | 99     |
| 13) Acrolein                  | 2.27 | 56   | 189593   | 87.528 | ug/l  | 98     |
| 14) Allyl chloride            | 2.71 | 41   | 361822   | 14.562 | ug/l  | 98     |
| 15) Acrylonitrile             | 3.11 | 53   | 553712   | 76.357 | ug/l  | 99     |
| 16) Acetone                   | 2.42 | 43   | 527188   | 77.242 | ug/l  | 98     |
| 17) Carbon Disulfide          | 2.55 | 76   | 557177   | 17.175 | ug/l  | 99     |
| 18) Methyl Acetate            | 2.75 | 43   | 281234   | 16.145 | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73   | 647579   | 15.701 | ug/l  | 99     |
| 20) Methylene Chloride        | 2.84 | 84   | 196302   | 15.398 | ug/l  | 93     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96   | 183079   | 15.513 | ug/l  | 96     |
| 22) Diisopropyl ether         | 3.82 | 45   | 722269   | 16.404 | ug/l  | 96     |
| 23) Vinyl Acetate             | 3.78 | 43   | 3105678  | 77.905 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.67 | 63   | 358830   | 15.479 | ug/l  | 98     |
| 25) 2-Butanone                | 4.63 | 43   | 803889   | 73.239 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.55 | 77   | 322951   | 16.972 | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96   | 221856   | 16.248 | ug/l  | 97     |
| 28) Bromochloromethane        | 4.98 | 49   | 172479   | 15.583 | ug/l  | 95     |
| 29) Tetrahydrofuran           | 5.09 | 42   | 512608   | 72.645 | ug/l  | 99     |
| 30) Chloroform                | 5.18 | 83   | 356257   | 15.973 | ug/l  | 92     |
| 31) Cyclohexane               | 5.55 | 56   | 311251   | 15.477 | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97   | 317467   | 15.728 | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.77 | 75   | 259201   | 17.040 | ug/l  | 98     |
| 37) Ethyl Acetate             | 4.79 | 43   | 314020   | 15.855 | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.75 | 117  | 274546   | 16.664 | ug/l  | 97     |

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 Sample : VX0420WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 20 15:01:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 310075   | 17.680  | ug/l   | 97       |
| 40) Benzene                    | 6.11  | 78   | 766284   | 17.198  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.00  | 41   | 182681   | 16.615  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 298143   | 16.658  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.41  | 43   | 535054   | 16.003  | ug/l   | 99       |
| 44) Trichloroethene            | 7.18  | 130  | 221120   | 18.196  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 204107   | 16.745  | ug/l   | 99       |
| 46) Dibromomethane             | 7.64  | 93   | 136989   | 17.133  | ug/l   | 94       |
| 47) Bromodichloromethane       | 7.87  | 83   | 287987   | 16.903  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.75  | 41   | 259287   | 15.526  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 7.72  | 88   | 101084   | 324.465 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 1578814  | 83.324  | ug/l   | 100      |
| 52) Toluene                    | 8.76  | 92   | 490835   | 17.868  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 322954   | 16.162  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 344302   | 16.915  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 205391   | 18.249  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 324681   | 16.369  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 346527   | 17.089  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 716881   | 74.304  | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.47  | 43   | 1182734  | 82.678  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.56  | 129  | 231807   | 17.140  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 214517   | 17.529  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 199425   | 17.654  | ug/l   | 95       |
| 65) Chlorobenzene              | 10.12 | 112  | 540356   | 18.102  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 211183   | 17.708  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 947571   | 17.898  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.34 | 106  | 724604   | 36.755  | ug/l   | 98       |
| 69) o-Xylene                   | 10.68 | 106  | 348796   | 17.904  | ug/l   | 98       |
| 70) Styrene                    | 10.70 | 104  | 612706   | 17.873  | ug/l   | 98       |
| 71) Bromoform                  | 10.84 | 173  | 185692   | 17.104  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.00 | 105  | 955111   | 18.090  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 454760   | 15.487  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 307906   | 16.996  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 342243   | 20.654  | ug/l   | 83       |
| 77) Bromobenzene               | 11.24 | 156  | 257395   | 18.277  | ug/l   | 94       |
| 78) n-propylbenzene            | 11.34 | 91   | 1088361  | 18.028  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 652960   | 17.646  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 814126   | 18.055  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 94987    | 13.754  | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 11.50 | 91   | 764044   | 17.613  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 828108   | 18.802  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 819017   | 17.824  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 938588   | 18.426  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 888366   | 18.786  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 450656   | 17.875  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 463987   | 18.068  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 778389   | 18.215  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.58 | 117  | 147270   | 16.001  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 456696   | 18.510  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 69914    | 13.673  | ug/l   | 91       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042020\  
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Operator : JC/SP  
Sample : VX0420WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

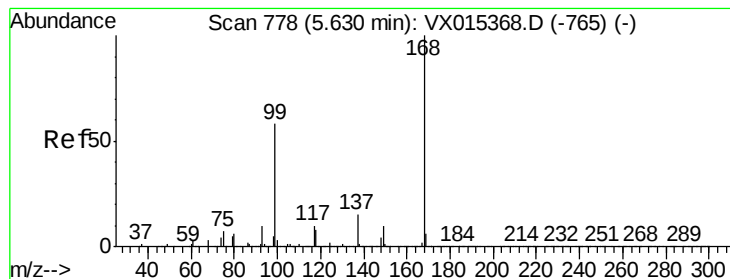
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Apr 20 15:01:32 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 09:35:51 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 353746   | 18.126 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 162606   | 17.500 | ug/l  | 96       |
| 95) Naphthalene            | 13.82 | 128  | 1043945  | 17.536 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 344762   | 18.348 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

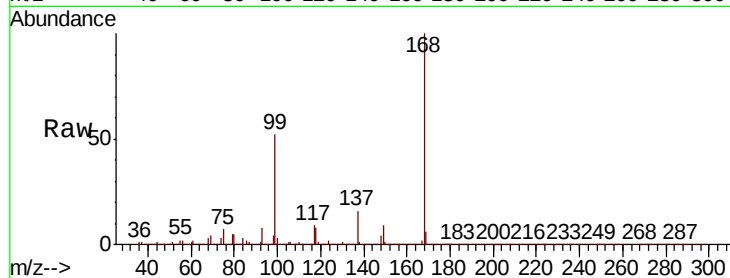
ClientSampleId :

Tot Ion:168 Resp: 1126383

Ion Ratio Lower Upper

168 100

99 51.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

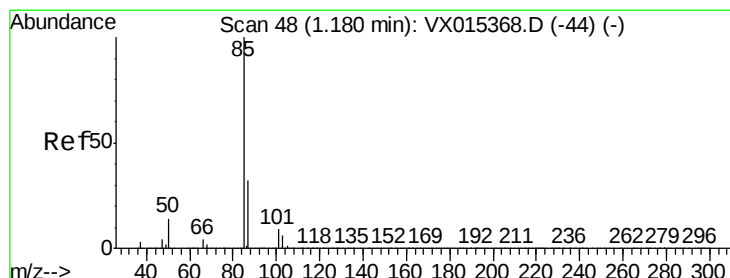
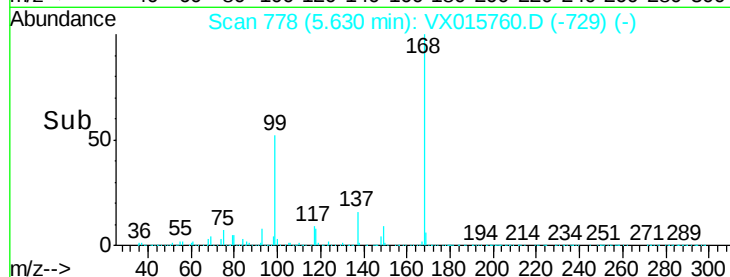
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.166 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.01 min

Lab File: VX015760.D

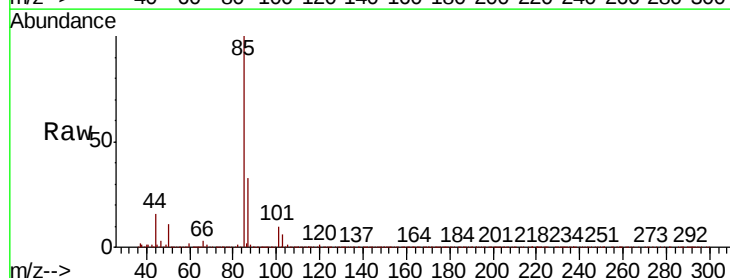
Acq: 20 Apr 2020 13:06

Tgt Ion: 85 Resp: 140579

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

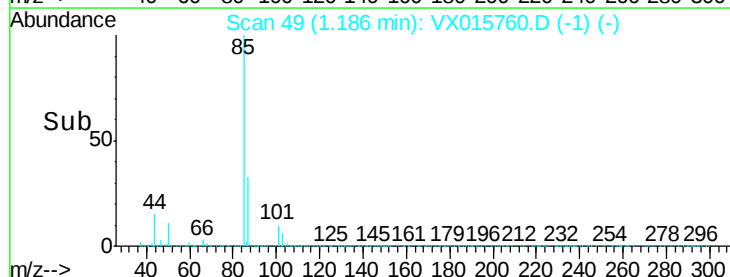
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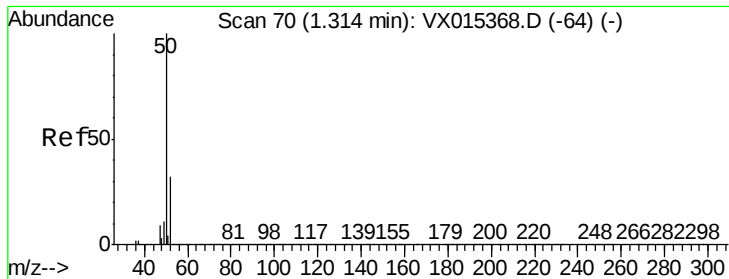
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Time-->

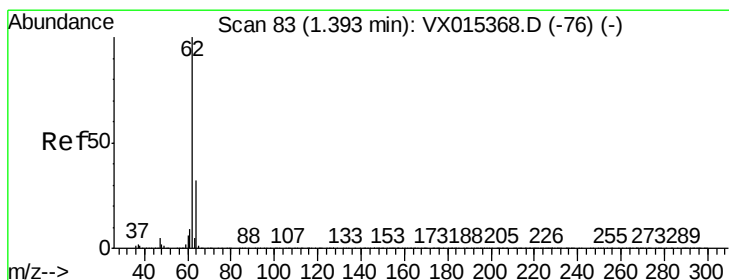
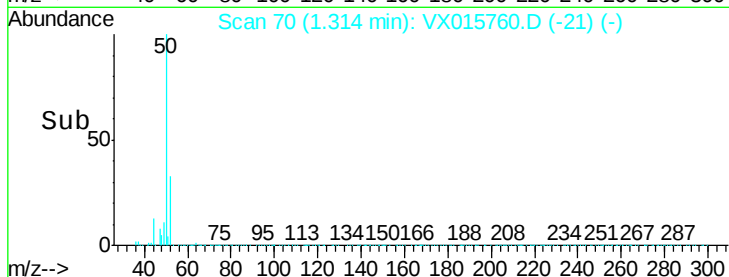
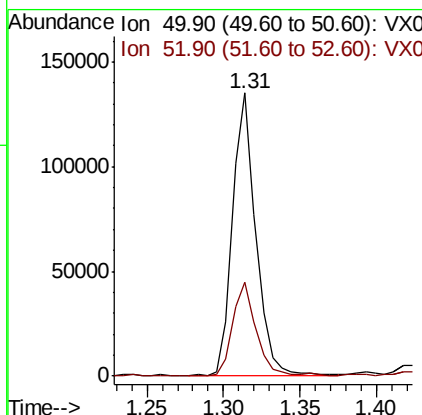
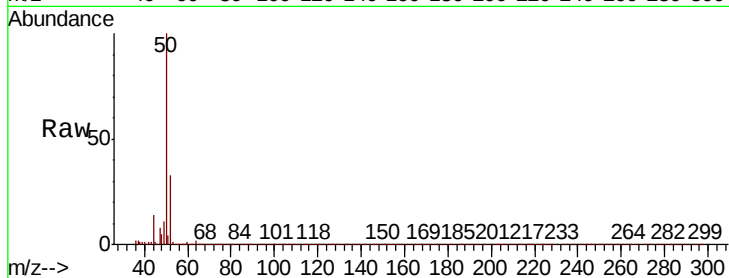




#3  
Chloromethane  
Concen: 11.242 ug/l  
RT: 1.31 min Scan# 70  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

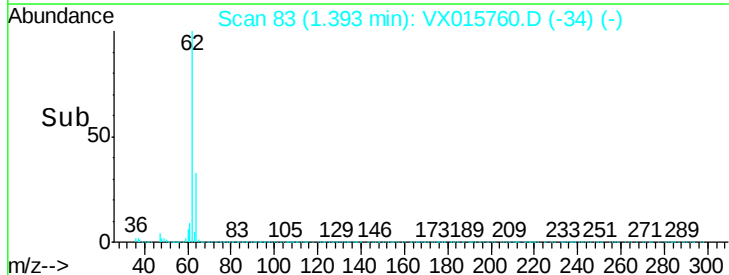
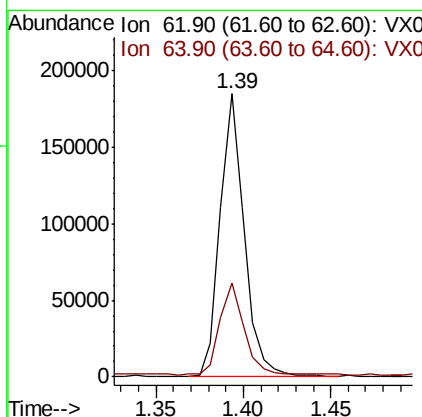
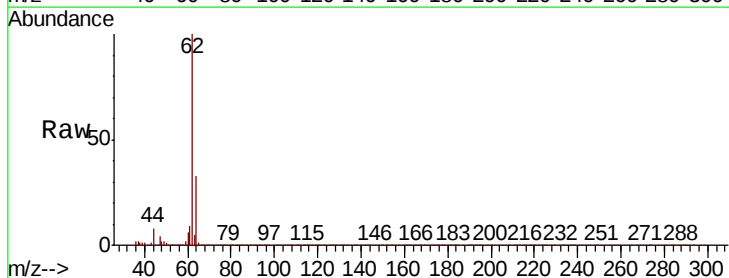
Instrument :  
MSVOA\_X  
ClientSampleId :

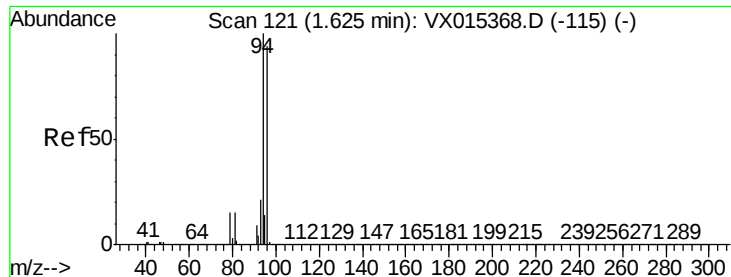
Tot Ion: 50 Resp: 142068  
Ion Ratio Lower Upper  
50 100  
52 33.2 25.3 37.9



#4  
Vinyl Chloride  
Concen: 15.235 ug/l  
RT: 1.39 min Scan# 83  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 62 Resp: 176790  
Ion Ratio Lower Upper  
62 100  
64 32.5 26.0 39.0





#5

Bromomethane

Concen: 7.889 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

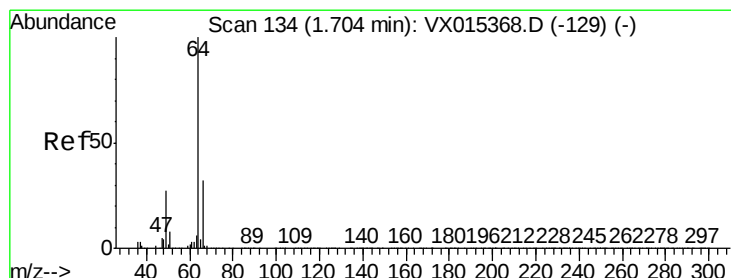
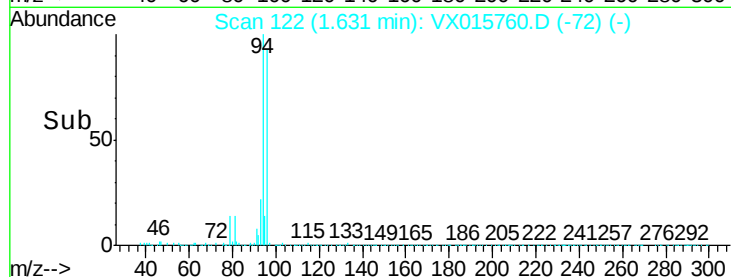
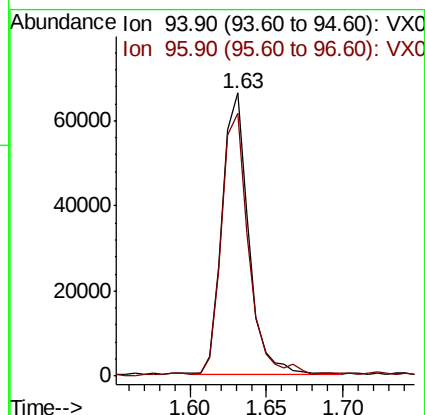
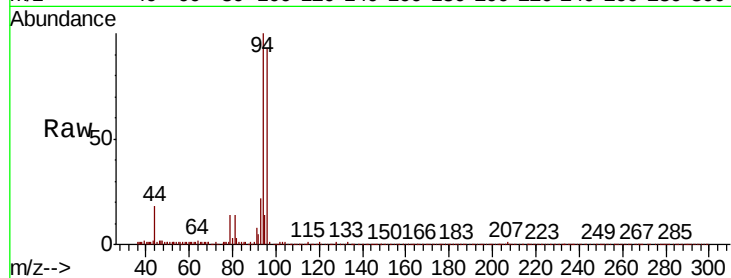
ClientSampleId :

Tot Ion: 94 Resp: 78634

Ion Ratio Lower Upper

94 100

96 93.0 74.8 112.2



#6

Chloroethane

Concen: 15.739 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015760.D

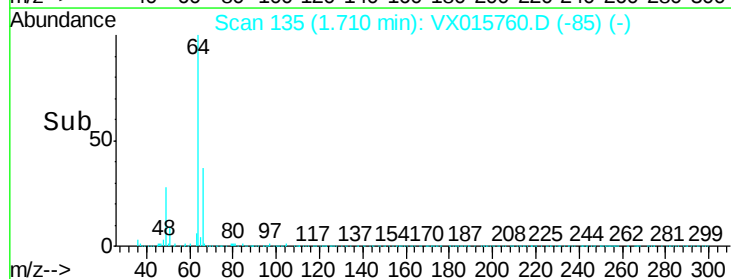
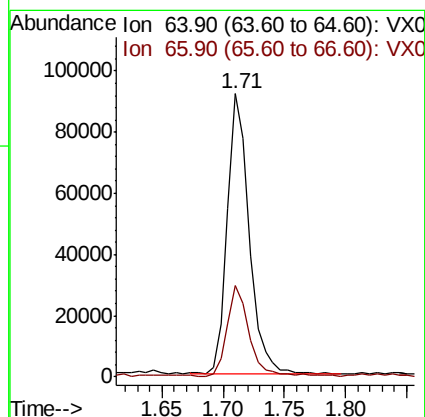
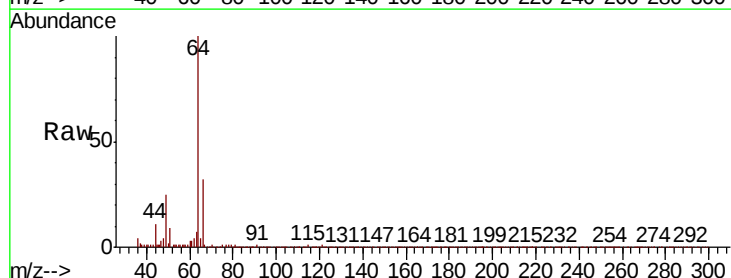
Acq: 20 Apr 2020 13:06

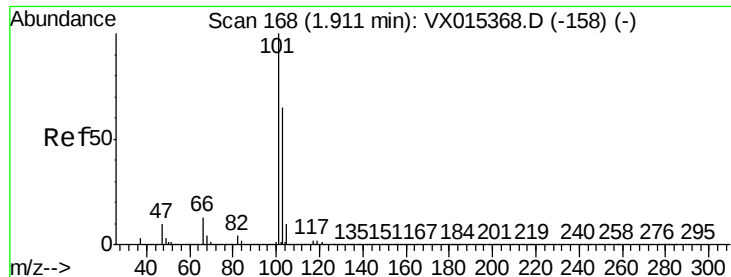
Tgt Ion: 64 Resp: 113272

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.2



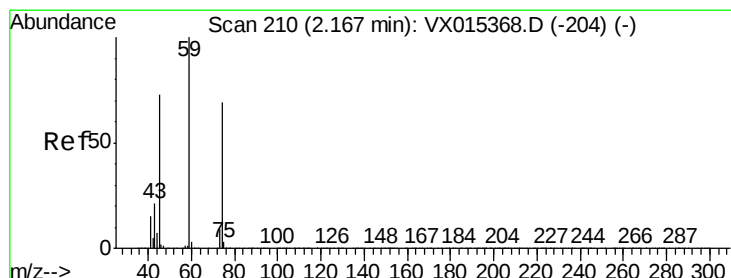
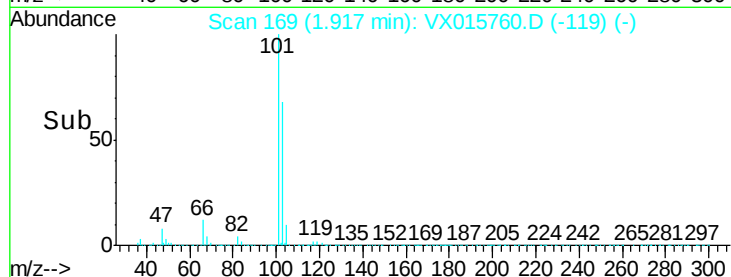
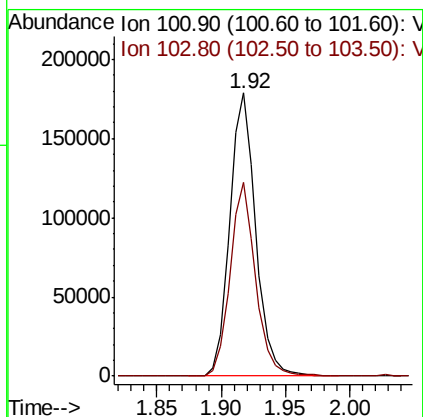
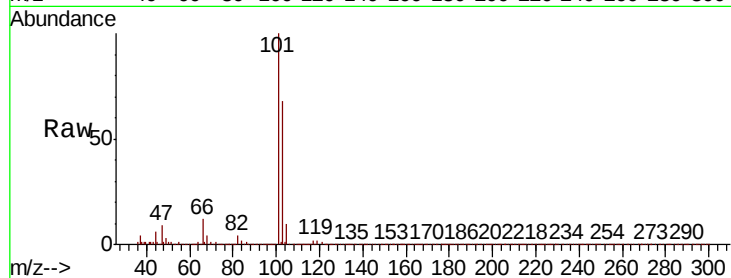


#7

Trichlorofluoromethane  
Concen: 16.144 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

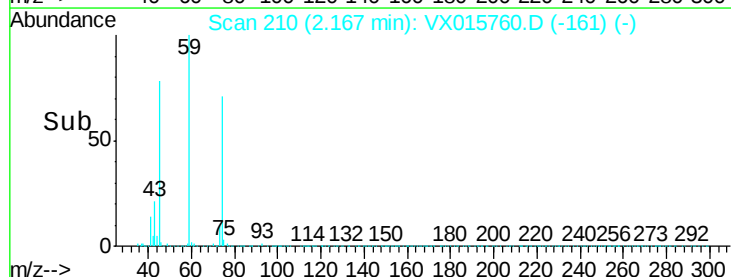
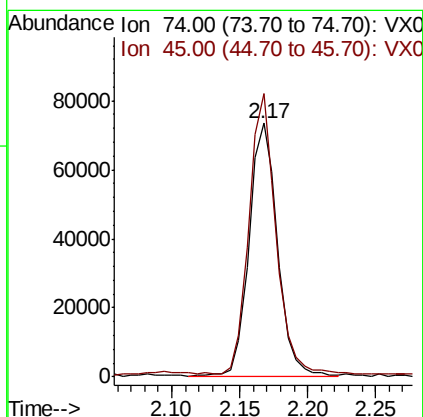
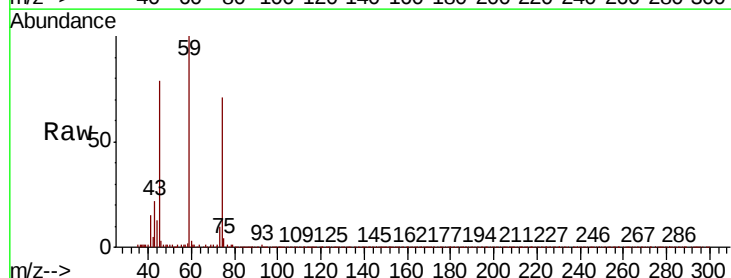
Tot Ion:101 Resp: 251231  
Ion Ratio Lower Upper  
101 100  
103 68.3 52.3 78.5

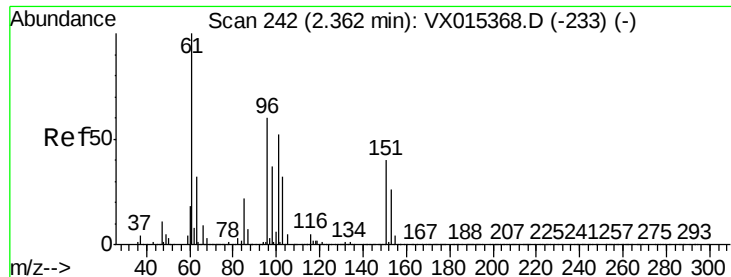


#8

Diethyl Ether  
Concen: 16.443 ug/l  
RT: 2.17 min Scan# 210  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 74 Resp: 107930  
Ion Ratio Lower Upper  
74 100  
45 105.1 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.460 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

ClientSampleId :

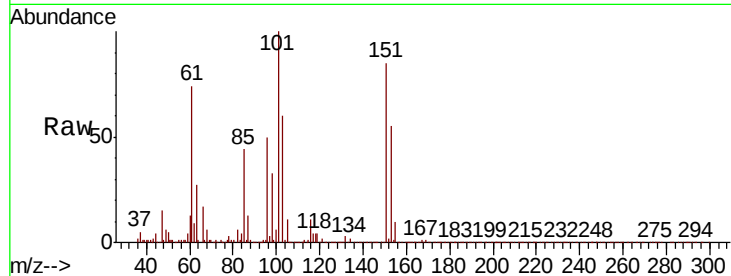
Tot Ion:101 Resp: 177136

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

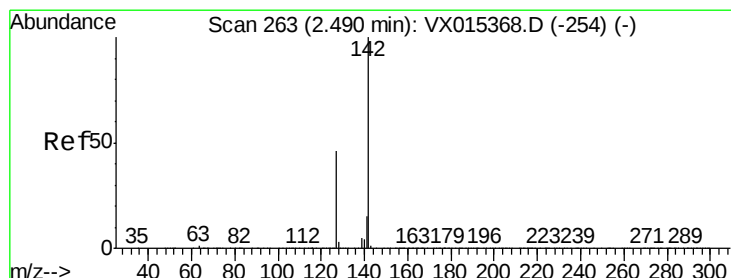
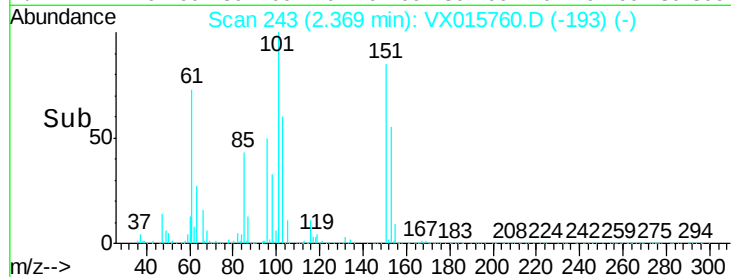
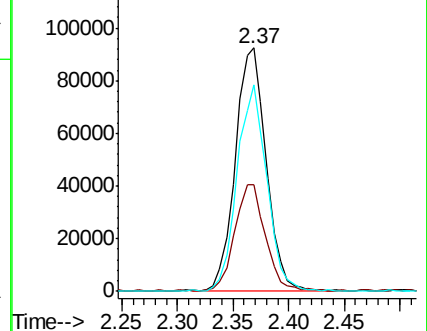
151 81.5 64.1 96.1



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: 5.551 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

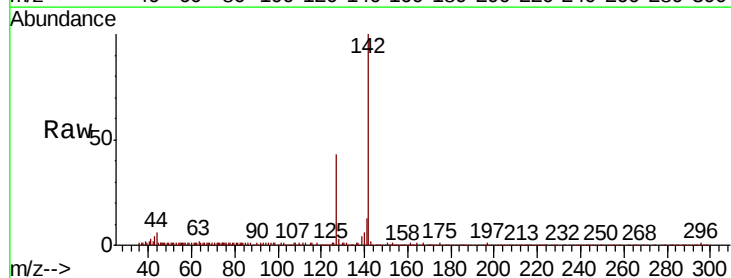
Tgt Ion:142 Resp: 75932

Ion Ratio Lower Upper

142 100

127 42.5 35.9 53.9

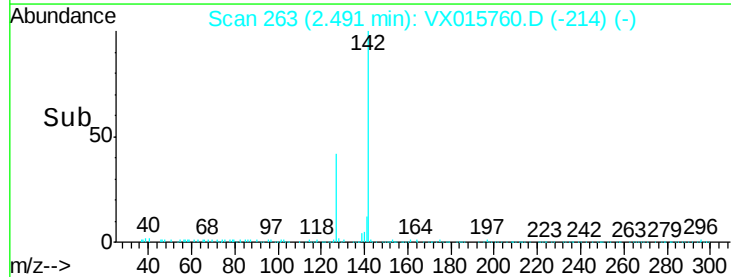
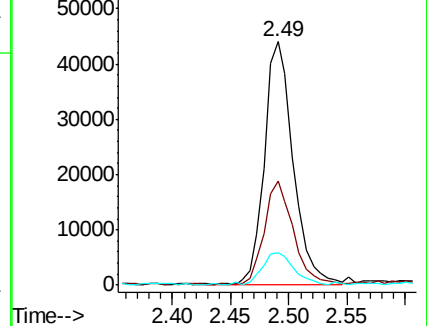
141 15.2 11.6 17.4

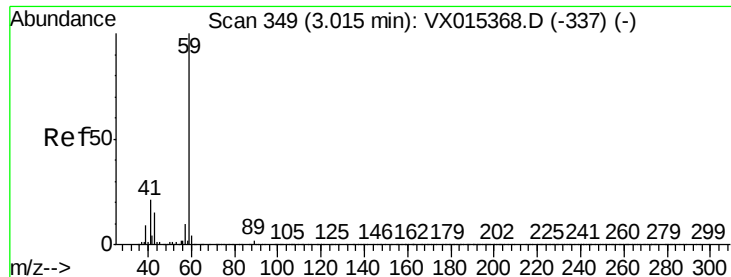


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



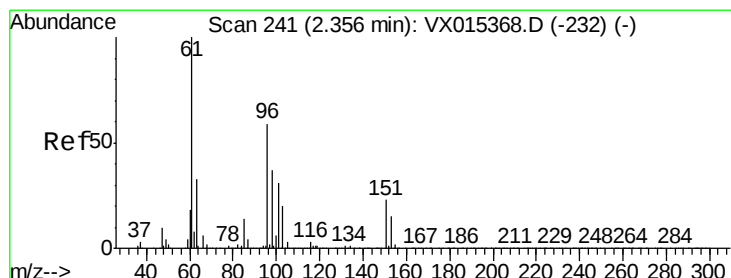
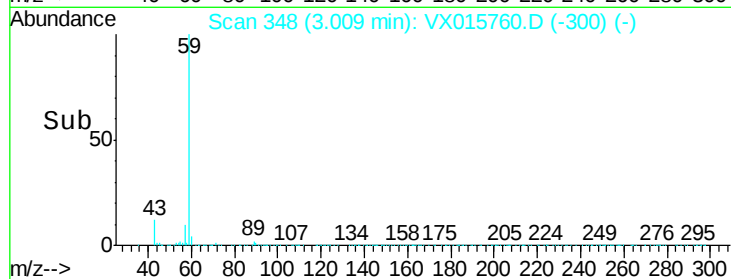
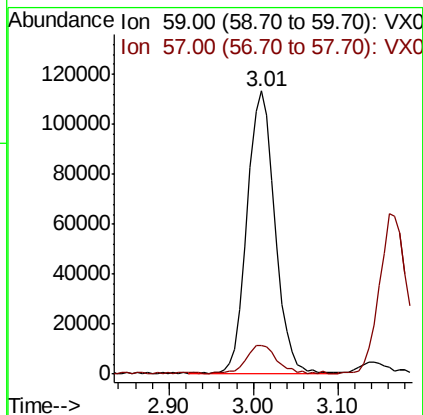
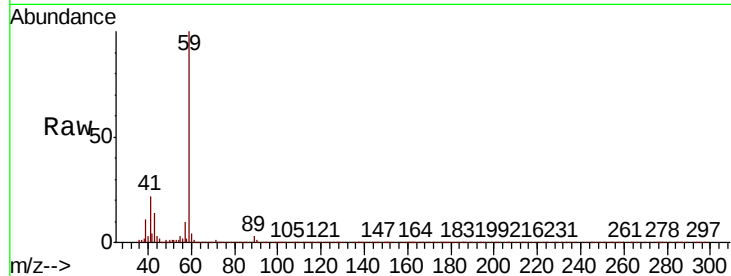


#11

Tert butyl alcohol  
Concen: 66.367 ug/l  
RT: 3.01 min Scan# 348  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

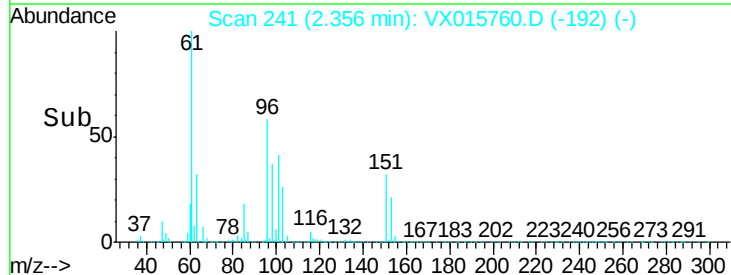
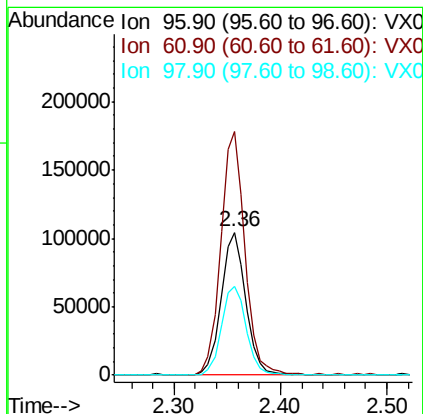
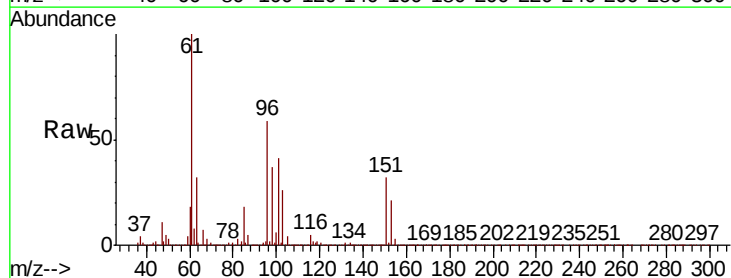
Tot Ion: 59 Resp: 252359  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.1 12.1

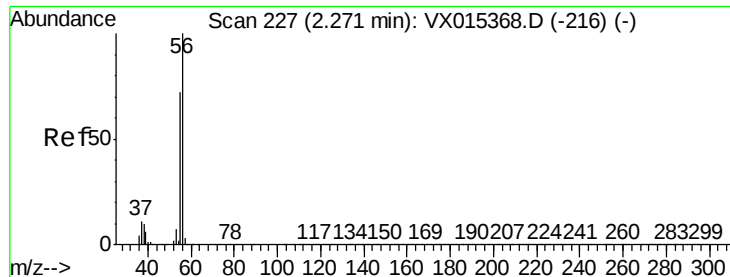


#12

1,1-Dichloroethene  
Concen: 15.724 ug/l  
RT: 2.36 min Scan# 241  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 96 Resp: 167212  
Ion Ratio Lower Upper  
96 100  
61 170.4 135.7 203.5  
98 62.2 50.6 75.8

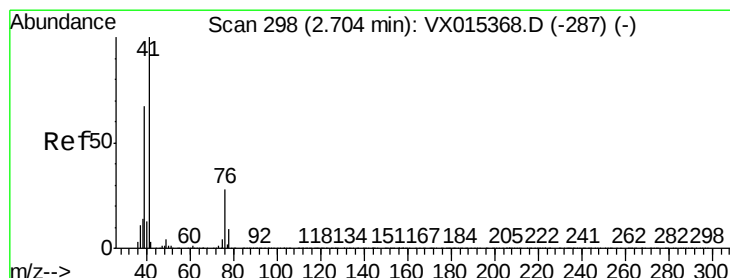
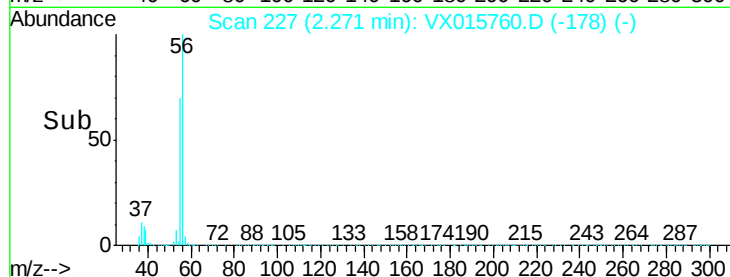
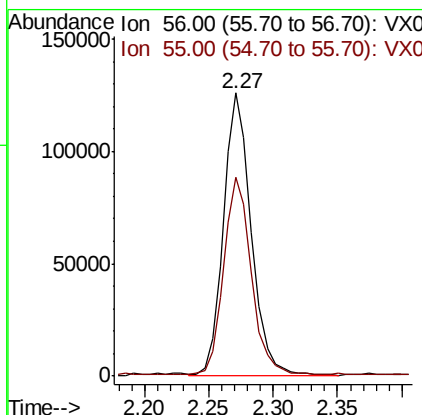
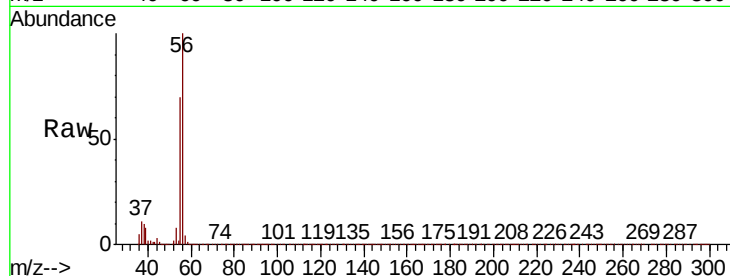




#13  
Acrolein  
Concen: 87.528 ug/l  
RT: 2.27 min Scan# 227  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

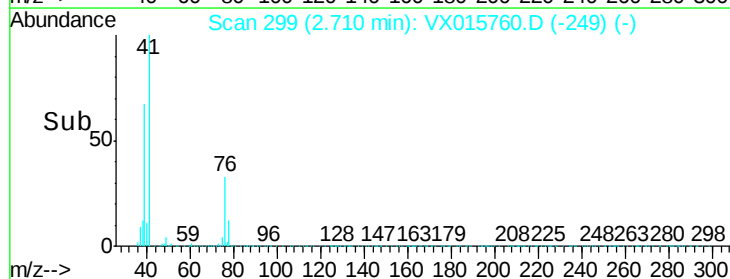
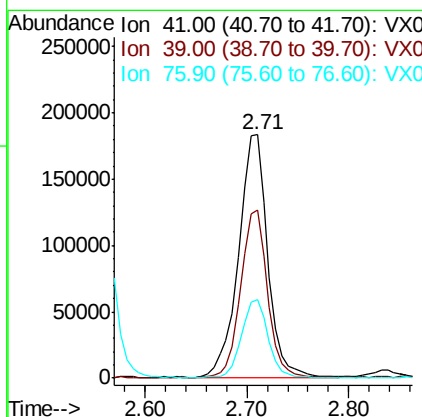
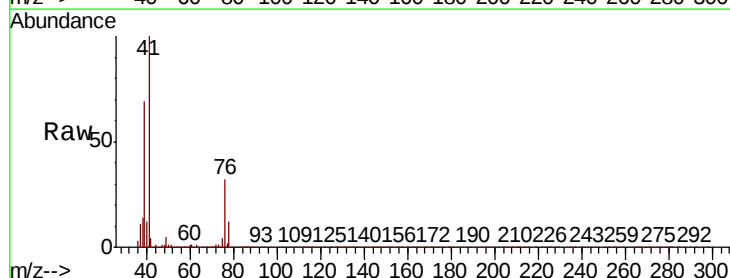
Instrument :  
MSVOA\_X  
ClientSampleId :

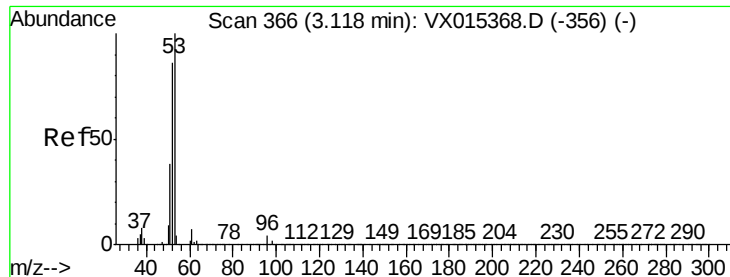
Tot Ion: 56 Resp: 189593  
Ion Ratio Lower Upper  
56 100  
55 69.6 57.0 85.4



#14  
Allyl chloride  
Concen: 14.562 ug/l  
RT: 2.71 min Scan# 299  
Delta R.T. 0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 41 Resp: 361822  
Ion Ratio Lower Upper  
41 100  
39 63.6 51.4 77.0  
76 29.3 21.8 32.8





#15

Acrylonitrile

Concen: 76.357 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

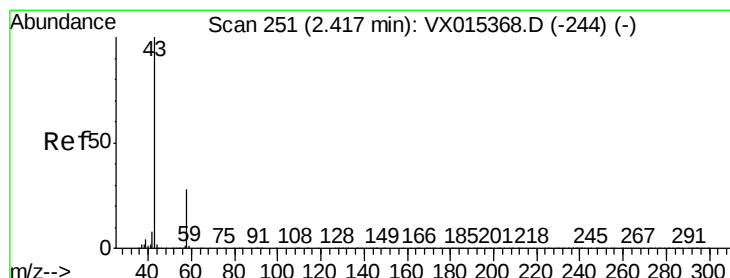
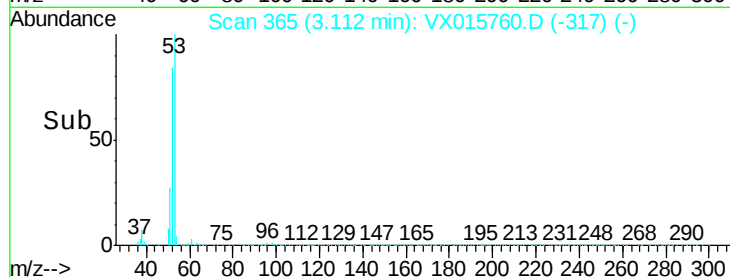
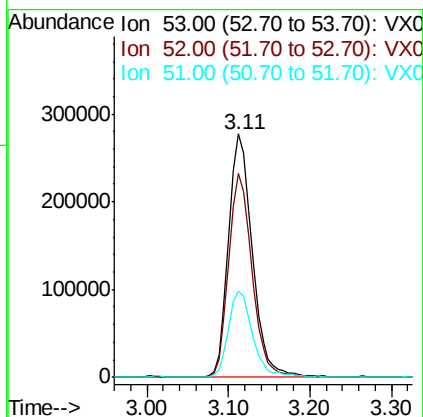
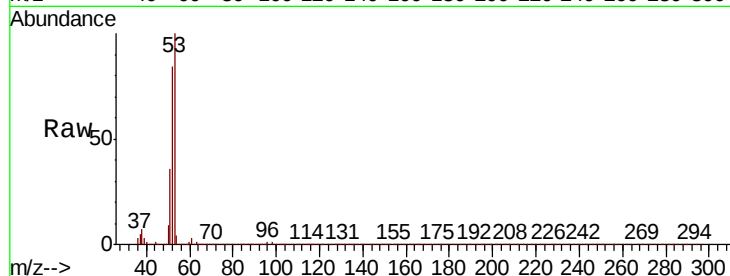
Tot Ion: 53 Resp: 553712

Ion Ratio Lower Upper

53 100

52 82.2 66.8 100.2

51 36.4 29.5 44.3



#16

Acetone

Concen: 77.242 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015760.D

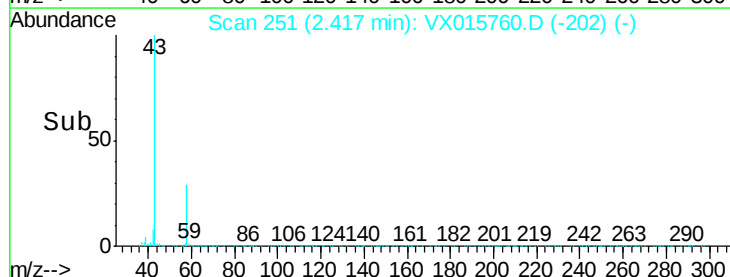
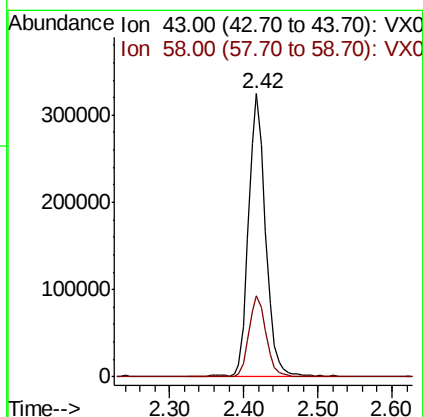
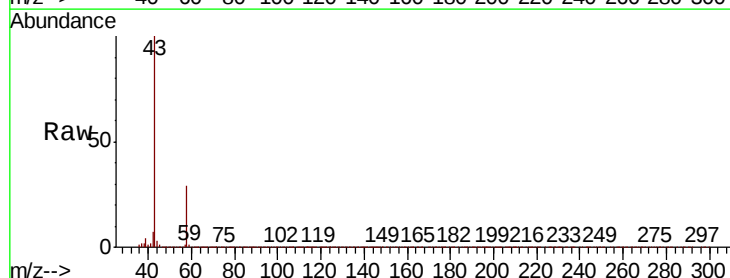
Acq: 20 Apr 2020 13:06

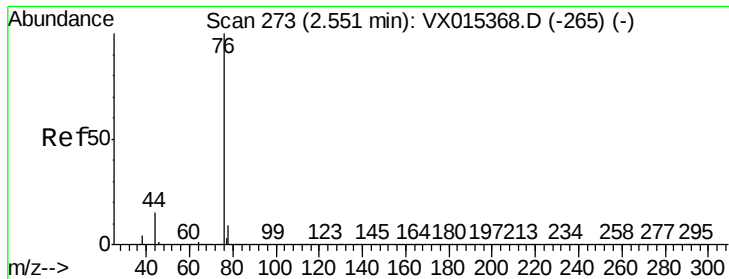
Tgt Ion: 43 Resp: 527188

Ion Ratio Lower Upper

43 100

58 28.6 22.1 33.1





#17

Carbon Disulfide

Concen: 17.175 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

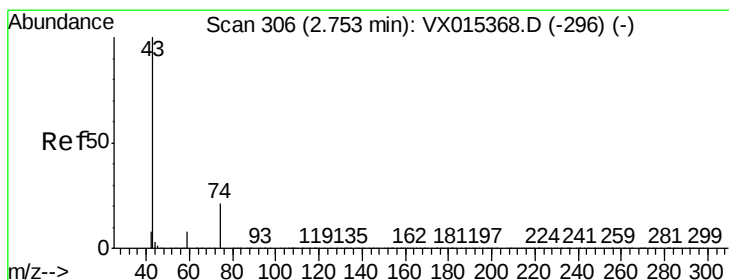
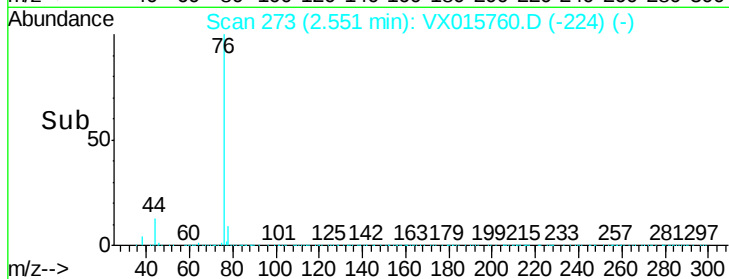
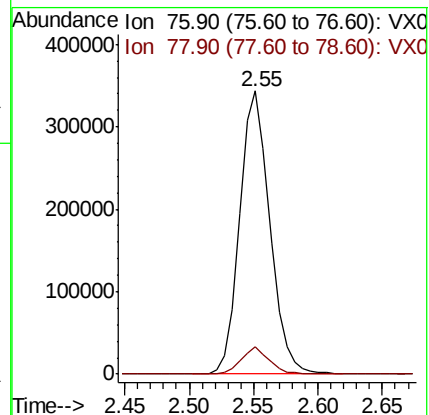
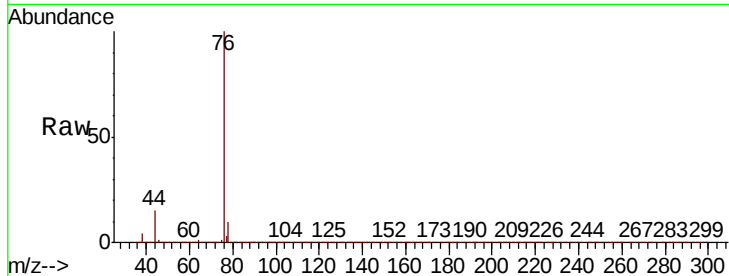
ClientSampleId :

Tot Ion: 76 Resp: 557177

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



#18

Methyl Acetate

Concen: 16.145 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015760.D

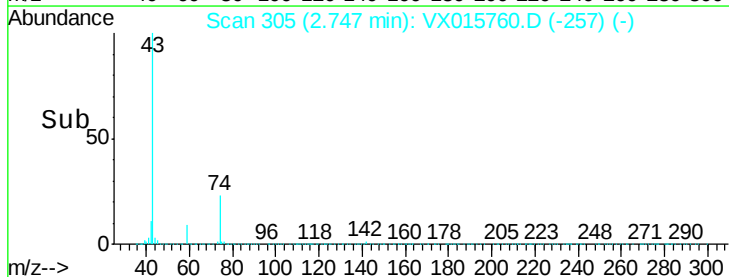
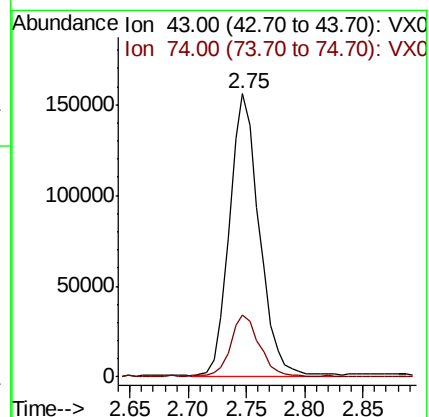
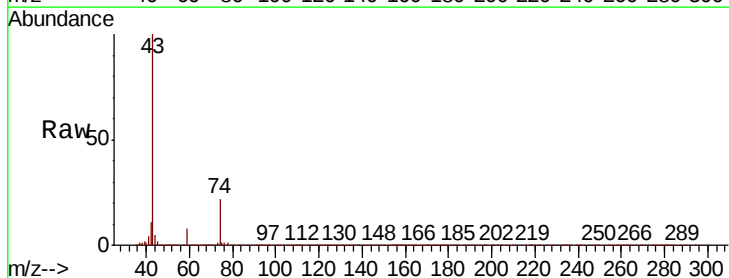
Acq: 20 Apr 2020 13:06

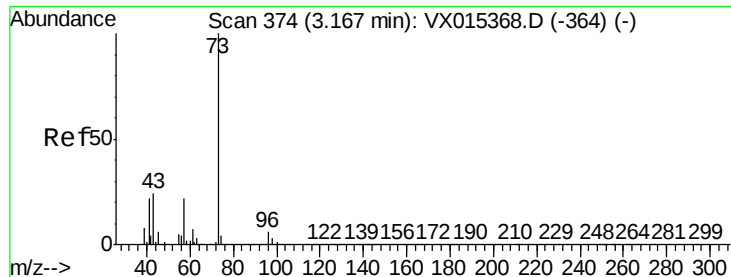
Tgt Ion: 43 Resp: 281234

Ion Ratio Lower Upper

43 100

74 20.3 16.5 24.7

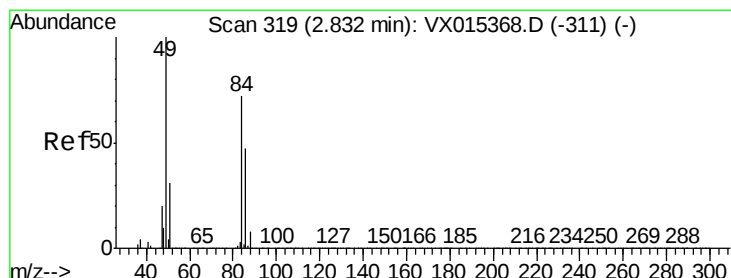
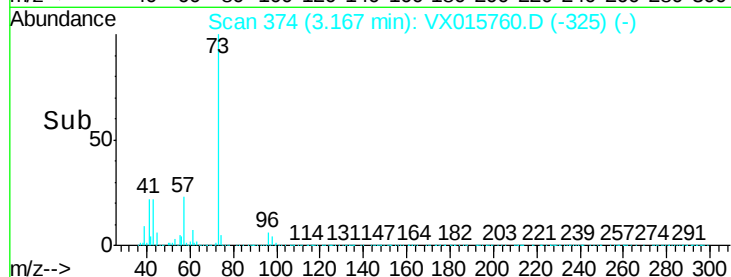
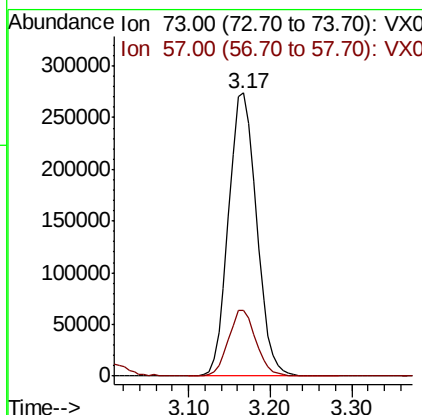
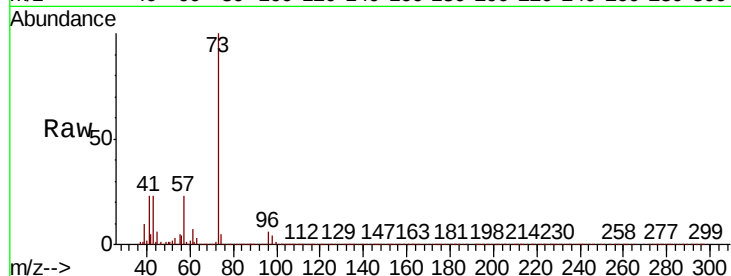




#19  
Methvl tert-butvl Ether  
Concen: 15.701 ug/l  
RT: 3.17 min Scan# 374  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

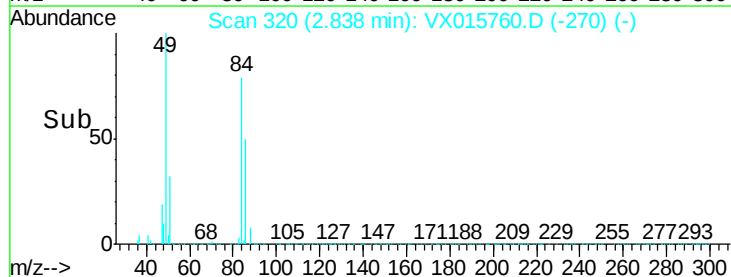
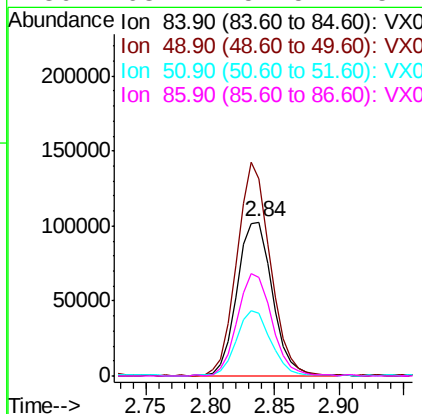
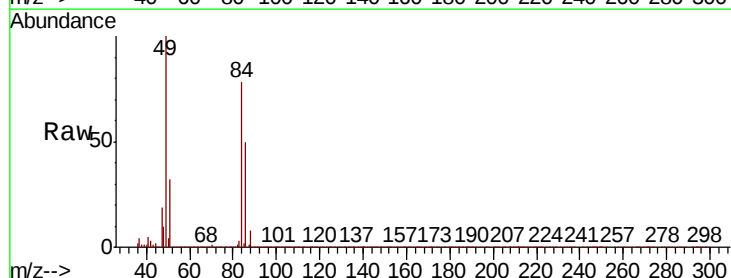
Instrument :  
MSVOA\_X  
ClientSampleId :

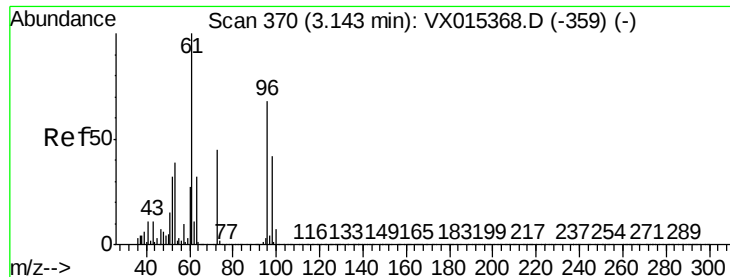
Tot Ion: 73 Resp: 647579  
Ion Ratio Lower Upper  
73 100  
57 23.0 17.9 26.9



#20  
Methylene Chloride  
Concen: 15.398 ug/l  
RT: 2.84 min Scan# 320  
Delta R.T. 0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 84 Resp: 196302  
Ion Ratio Lower Upper  
84 100  
49 127.1 111.3 166.9  
51 40.2 34.0 51.0  
86 63.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 15.513 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

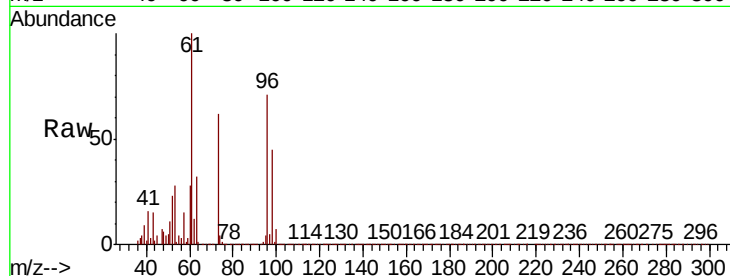
Tot Ion: 96 Resp: 183079

Ion Ratio Lower Upper

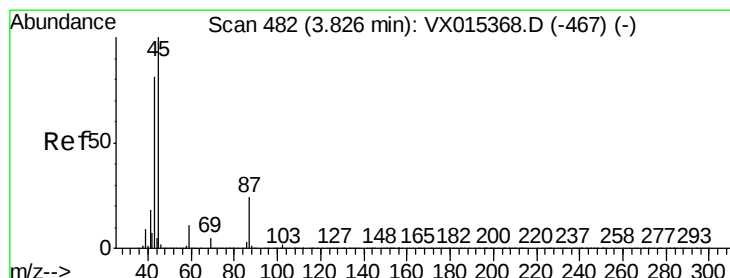
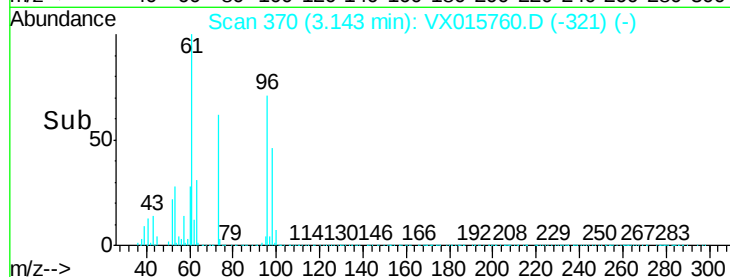
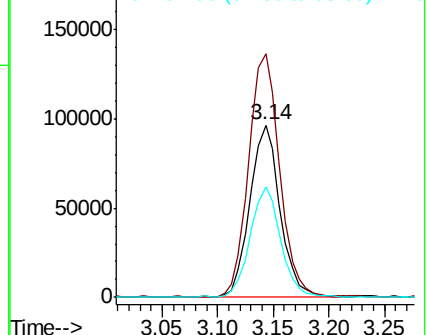
96 100

61 141.5 116.9 175.3

98 64.2 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 16.404 ug/l

RT: 3.82 min Scan# 481

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Tgt Ion: 45 Resp: 722269

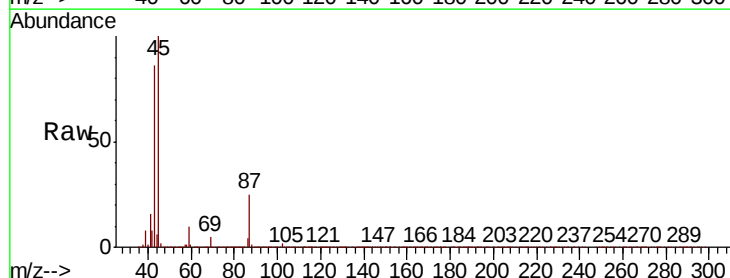
Ion Ratio Lower Upper

45 100

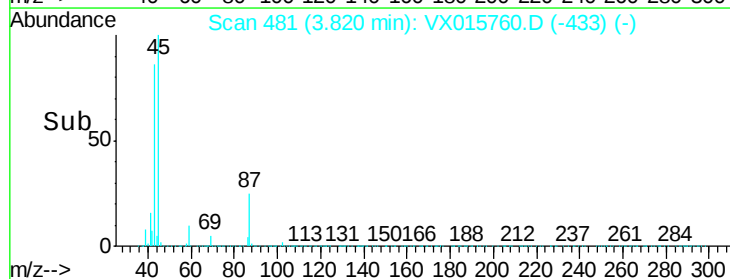
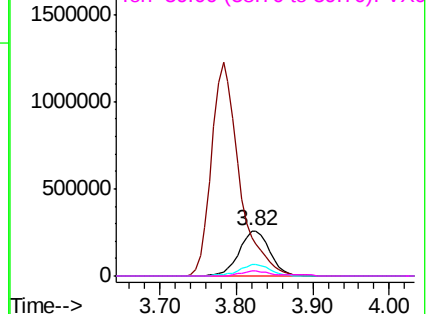
43 85.1 64.7 97.1

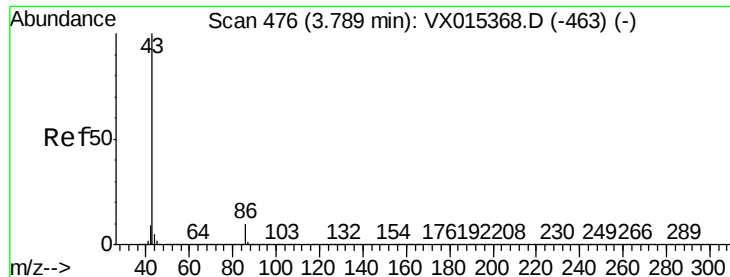
87 24.6 19.4 29.0

59 10.2 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 77.905 ug/l

RT: 3.78 min Scan# 475

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

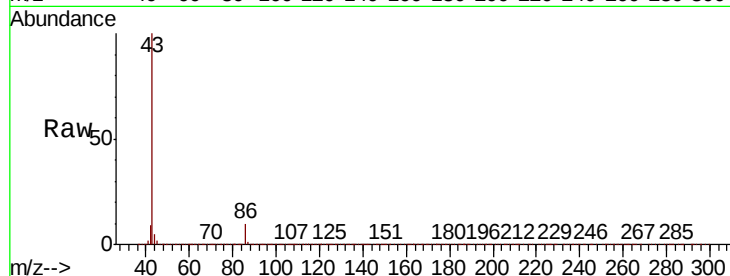
ClientSampled :

Tot Ion: 43 Resp: 3105678

Ion Ratio Lower Upper

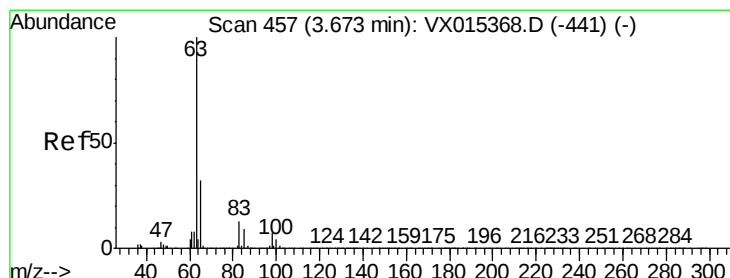
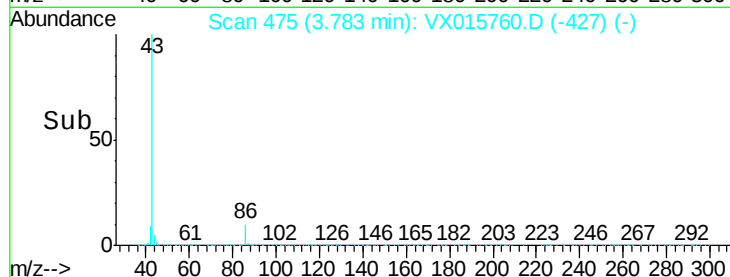
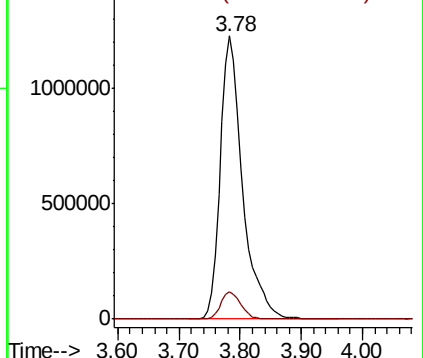
43 100

86 9.6 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 15.479 ug/l

RT: 3.67 min Scan# 457

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

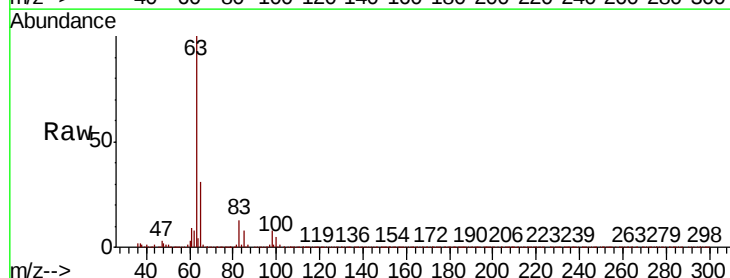
Tgt Ion: 63 Resp: 358830

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

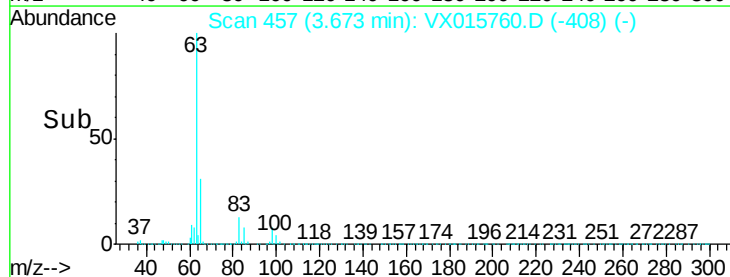
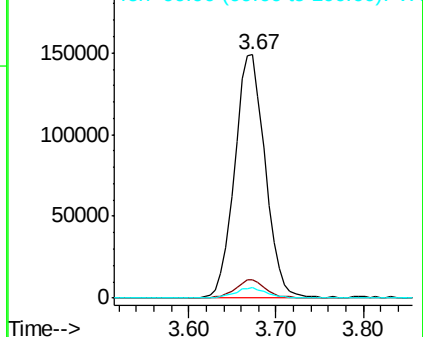
100 4.3 2.1 6.5

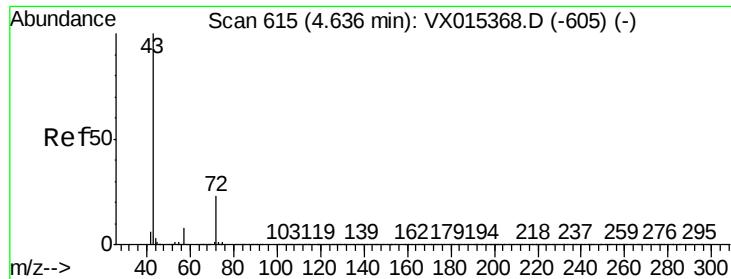


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

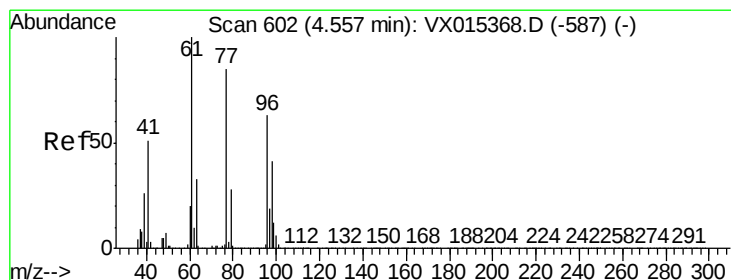
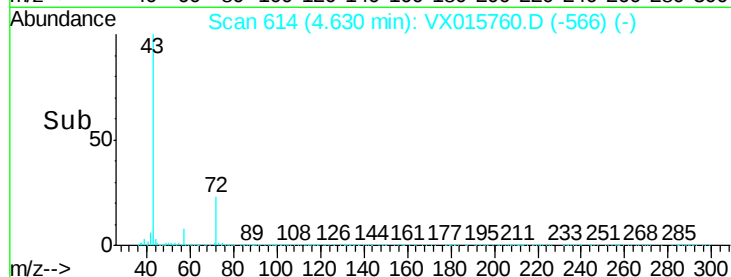
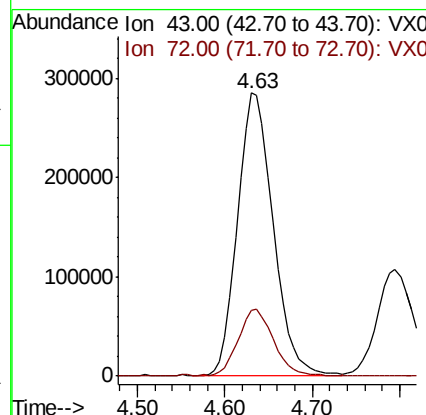
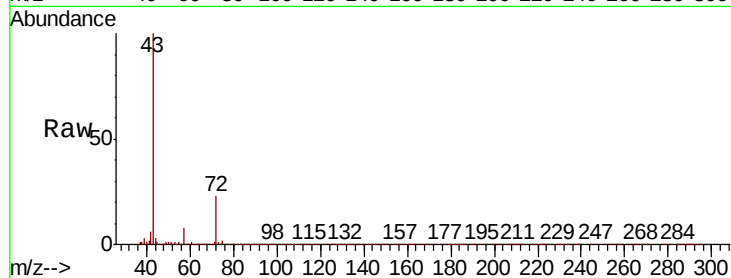




#25  
2-Butanone  
Concen: 73.239 ug/l  
RT: 4.63 min Scan# 614  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

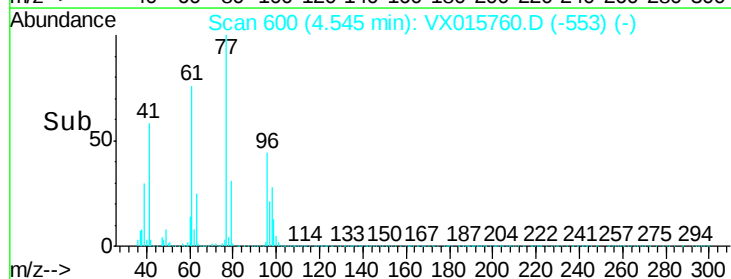
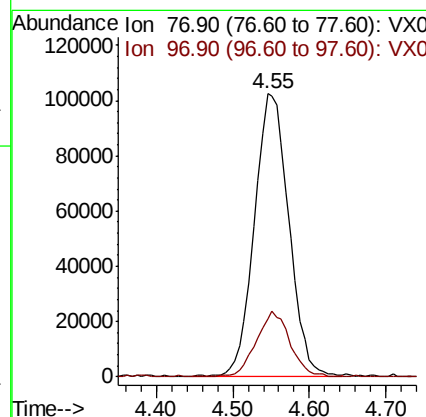
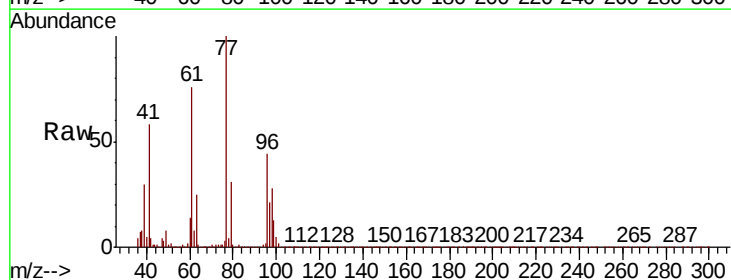
Instrument :  
MSVOA\_X  
ClientSampleId :

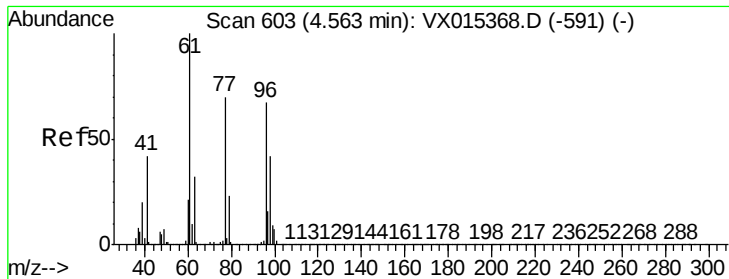
Tot Ion: 43 Resp: 803889  
Ion Ratio Lower Upper  
43 100  
72 23.1 19.0 28.4



#26  
2,2-Dichloropropane  
Concen: 16.972 ug/l  
RT: 4.55 min Scan# 600  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 77 Resp: 322951  
Ion Ratio Lower Upper  
77 100  
97 22.4 11.3 33.8



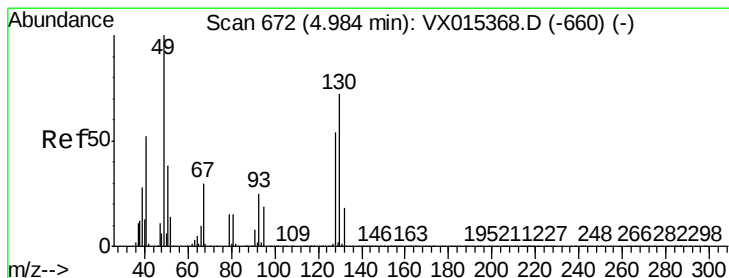
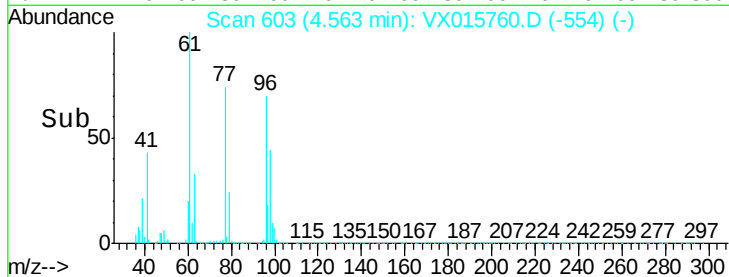
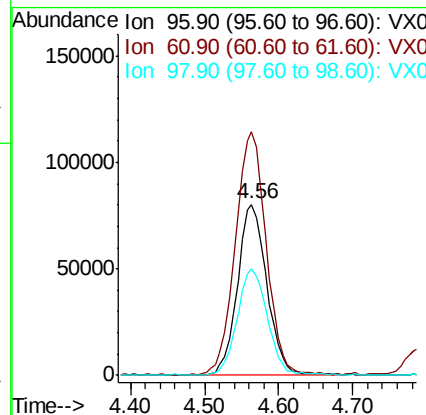
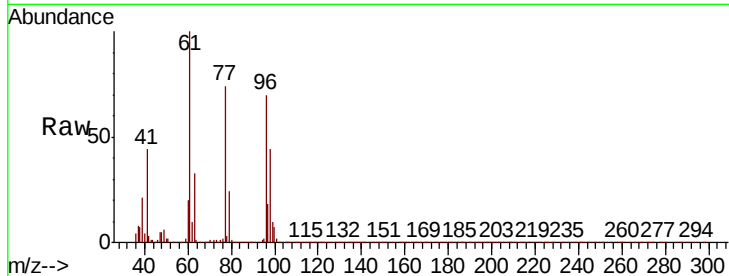


#27

cis-1,2-Dichloroethene  
Concen: 16.248 ug/l  
RT: 4.56 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

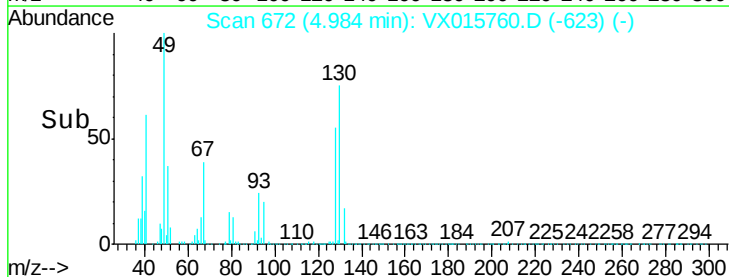
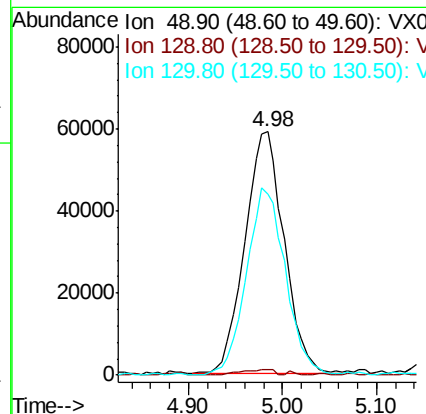
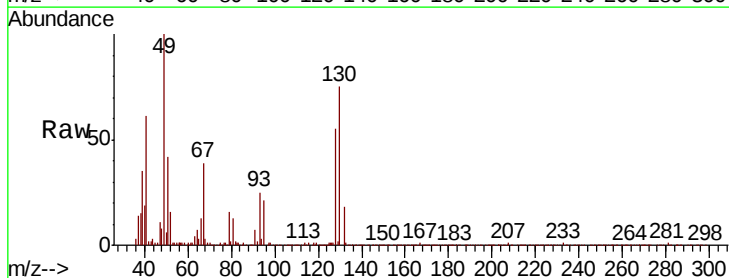
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.9 | 0.0   | 308.4 |
| 98      | 63.8  | 0.0   | 129.2 |

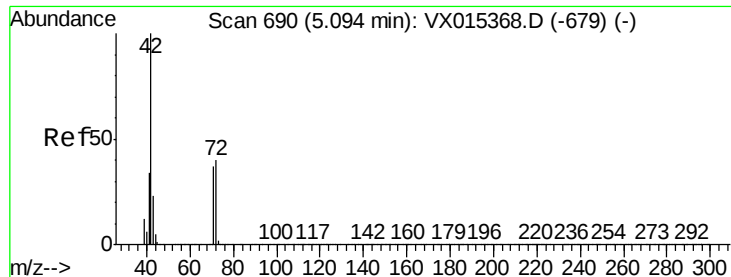


#28

Bromochloromethane  
Concen: 15.583 ug/l  
RT: 4.98 min Scan# 672  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 4.4   |
| 130     | 76.2  | 57.7  | 86.5  |





#29

Tetrahydrofuran

Concen: 72.645 ug/l

RT: 5.09 min Scan# 689

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

ClientSampleId :

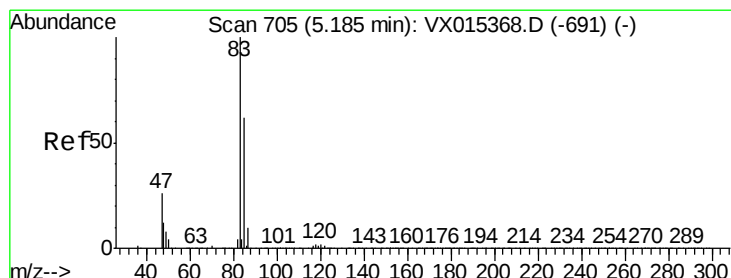
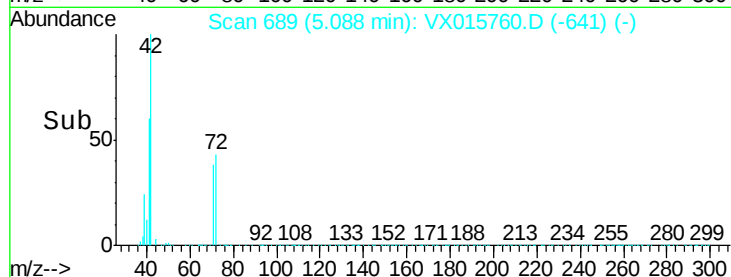
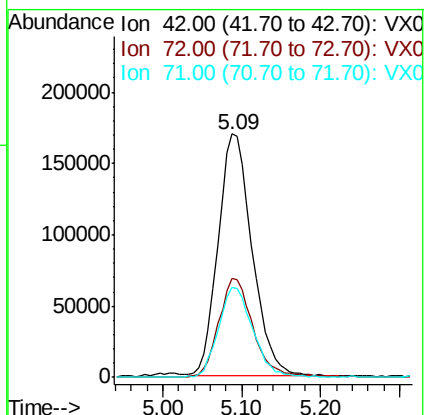
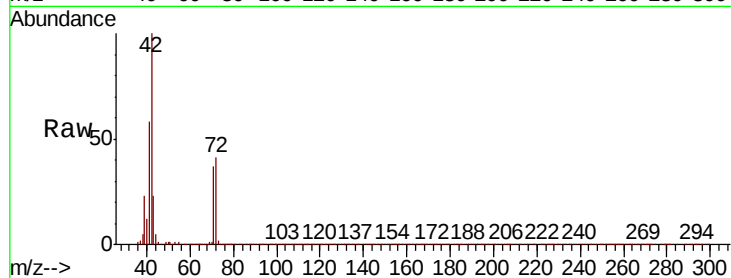
Tot Ion: 42 Resp: 512608

Ion Ratio Lower Upper

42 100

72 40.4 31.7 47.5

71 37.2 29.6 44.4



#30

Chloroform

Concen: 15.973 ug/l

RT: 5.18 min Scan# 704

Delta R.T. -0.01 min

Lab File: VX015760.D

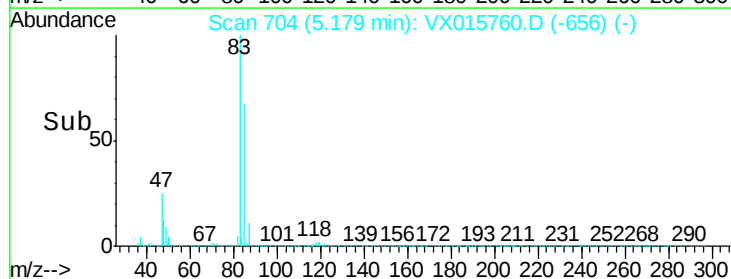
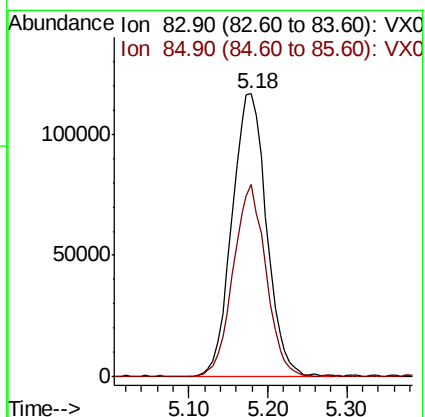
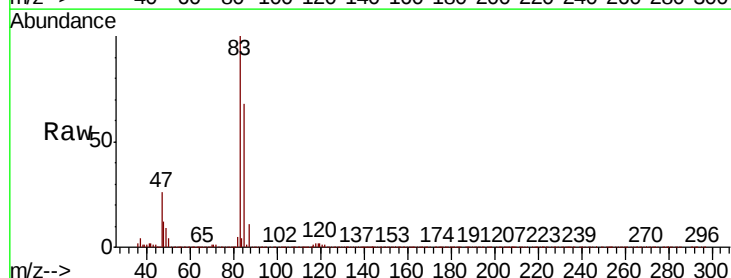
Acq: 20 Apr 2020 13:06

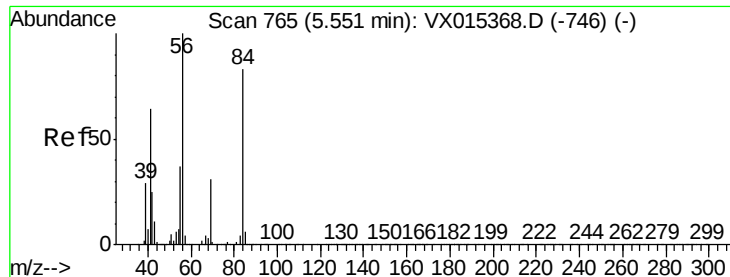
Tgt Ion: 83 Resp: 356257

Ion Ratio Lower Upper

83 100

85 67.9 49.5 74.3

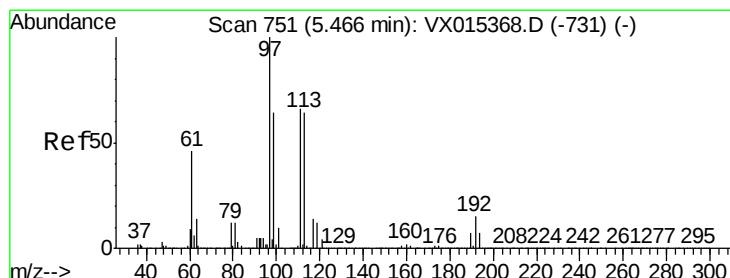
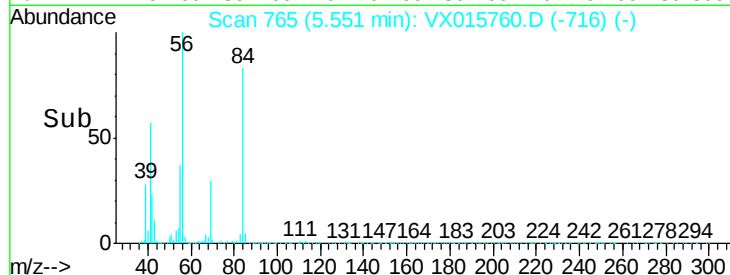
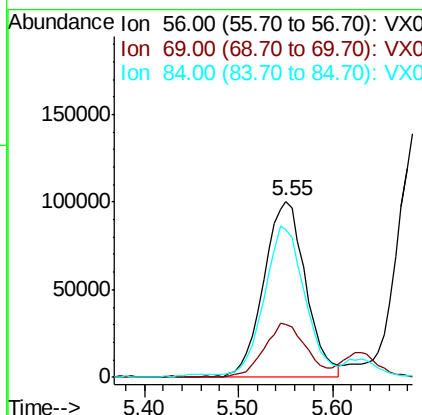
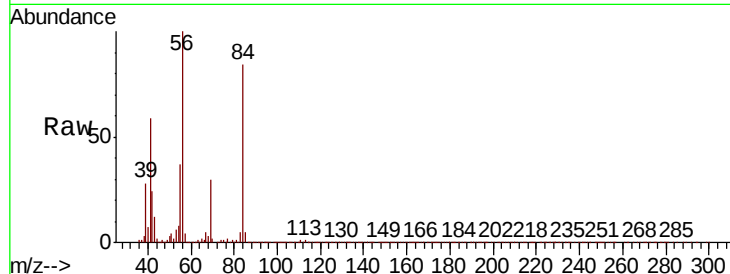




#31  
Cyclohexane  
Concen: 15.477 ug/l  
RT: 5.55 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

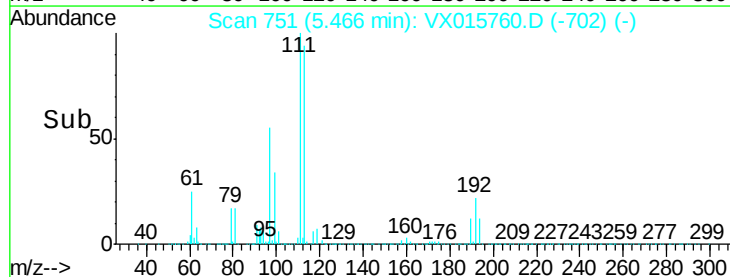
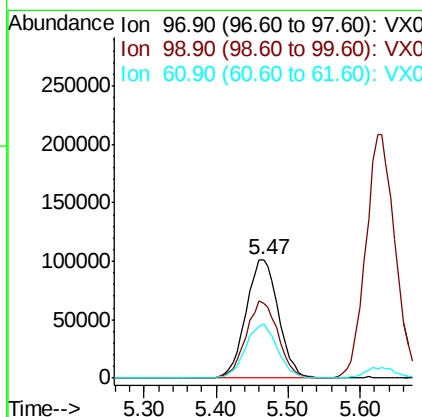
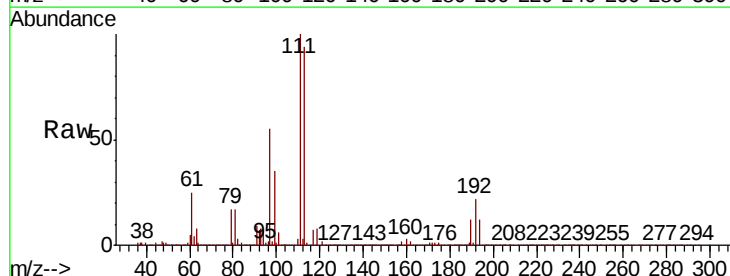
Instrument :  
MSVOA\_X  
ClientSampleId :

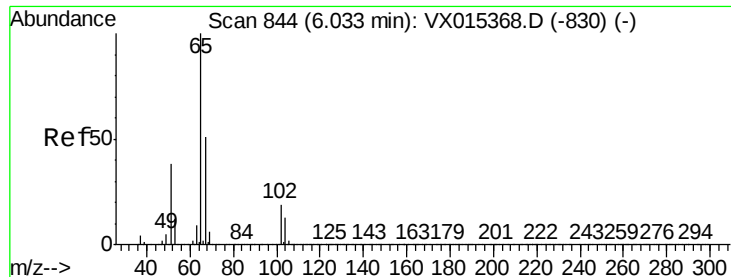
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.5  | 24.6  | 36.8  |
| 84      | 82.4  | 66.1  | 99.1  |



#32  
1,1,1-Trichloroethane  
Concen: 15.728 ug/l  
RT: 5.47 min Scan# 751  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 51.0  | 76.4  |
| 61      | 44.4  | 36.1  | 54.1  |





#33

1,2-Dichloroethane-d4

Concen: 41.525 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

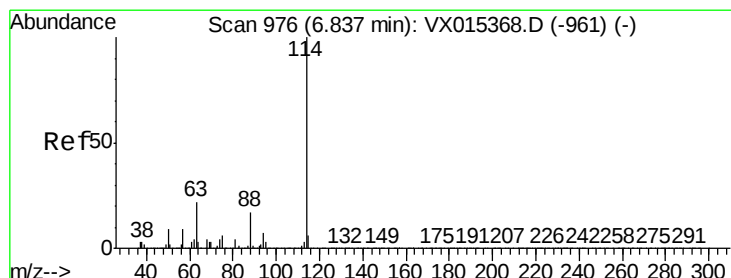
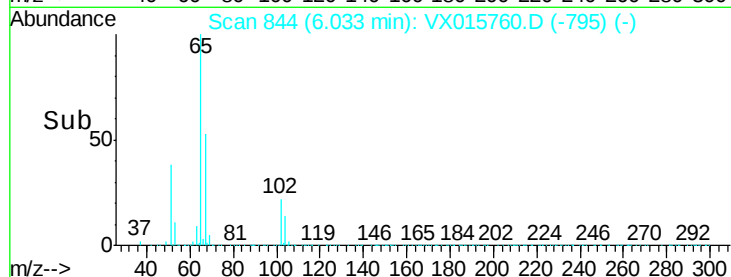
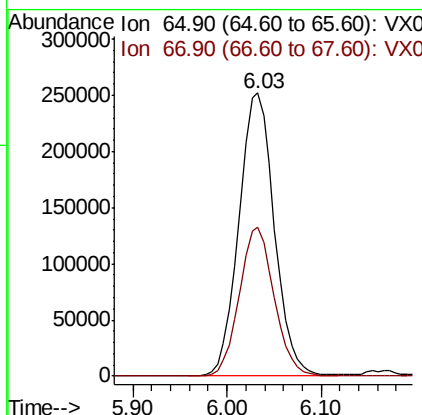
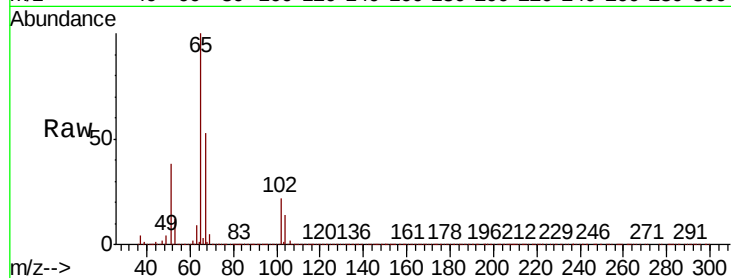
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 65 Resp: 659682

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

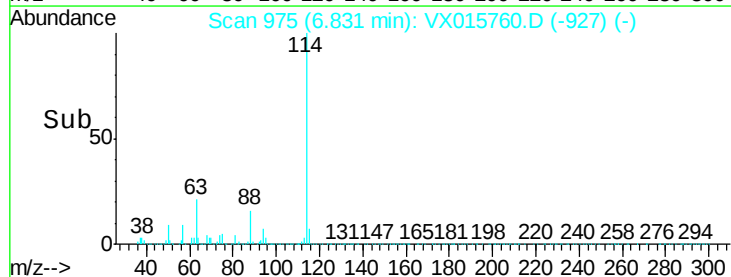
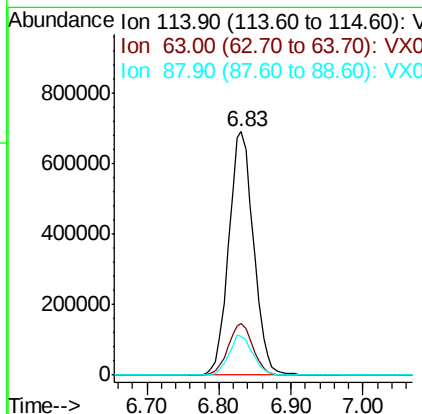
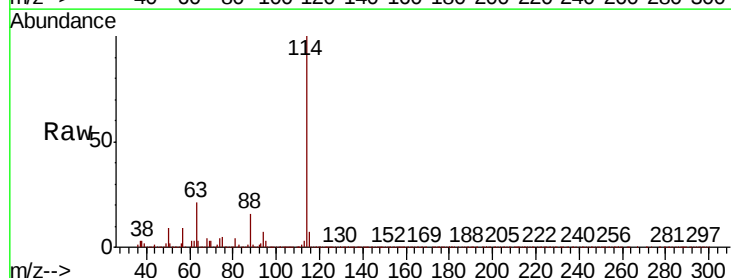
Tgt Ion: 114 Resp: 1650887

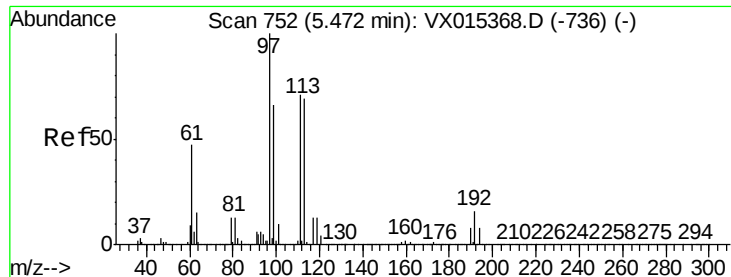
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

88 15.9 0.0 33.8

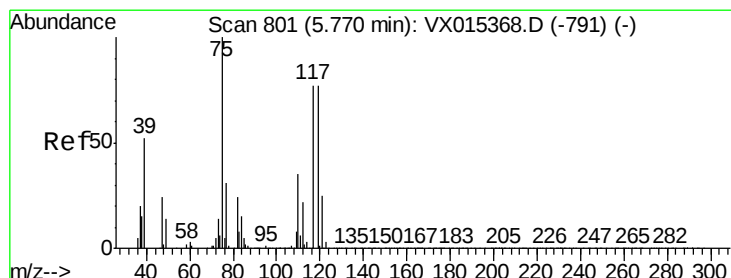
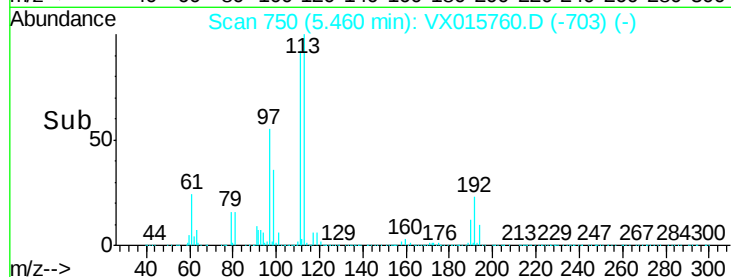
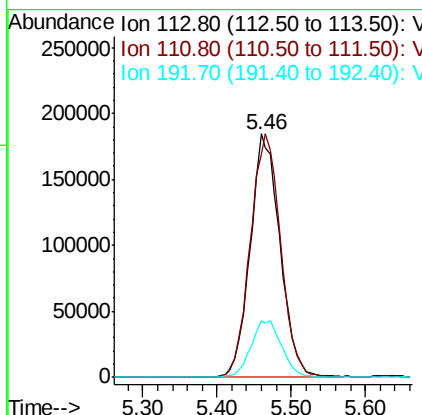
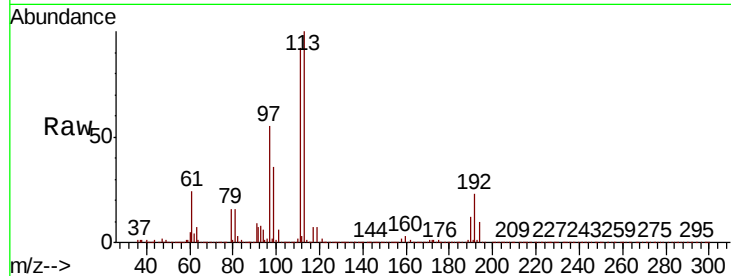




#35  
 Dibromofluoromethane  
 Concen: 48.973 ug/l  
 RT: 5.46 min Scan# 750  
 Delta R.T. -0.01 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

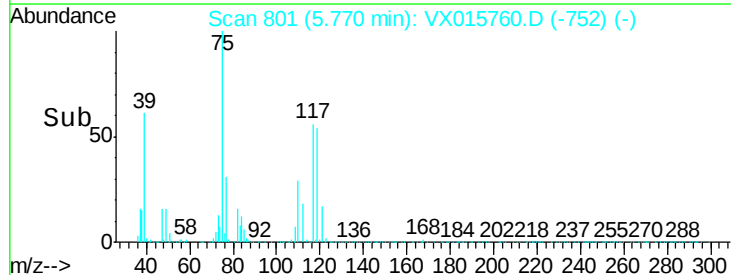
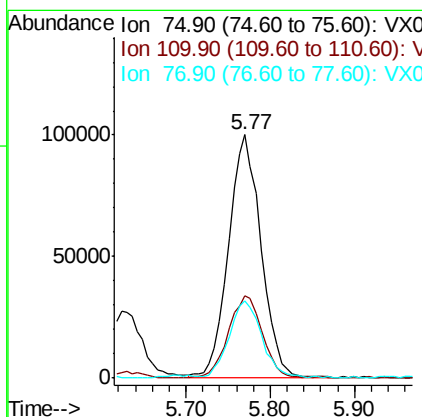
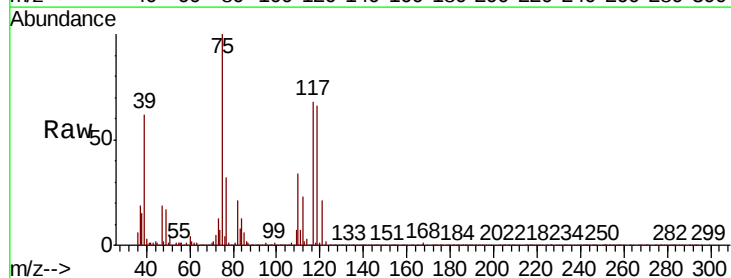
Instrument :  
 MSVOA\_X  
 ClientSampleId :

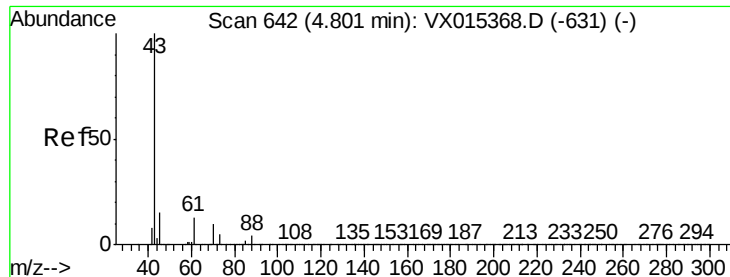
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 81.5  | 122.3 |
| 192     | 24.2  | 17.8  | 26.6  |



#36  
 1,1-Dichloropropene  
 Concen: 17.040 ug/l  
 RT: 5.77 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.2  | 17.1  | 51.3  |
| 77      | 31.6  | 24.6  | 36.8  |

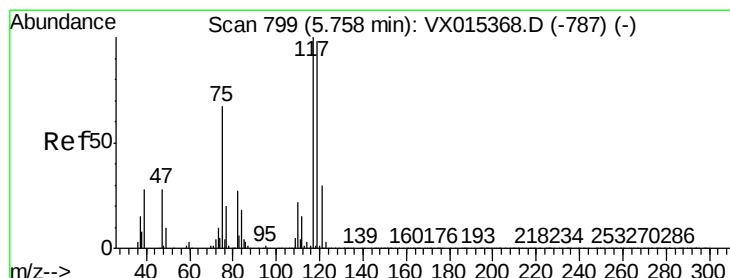
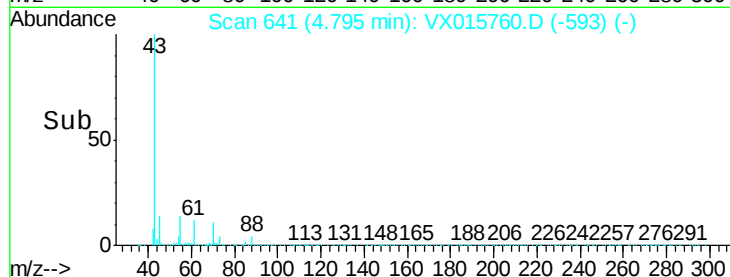
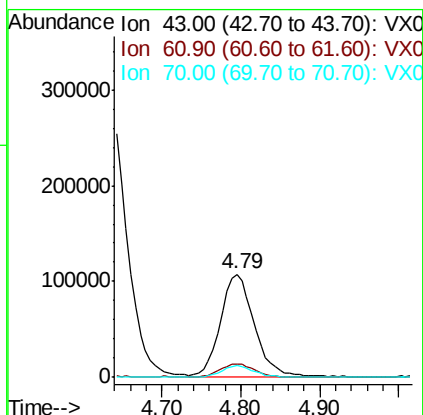
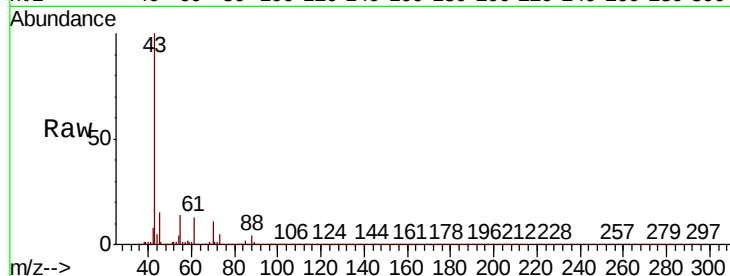




#37  
Ethyl Acetate  
Concen: 15.855 ug/l  
RT: 4.79 min Scan# 641  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

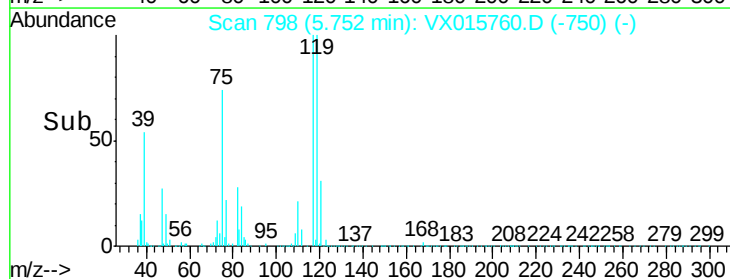
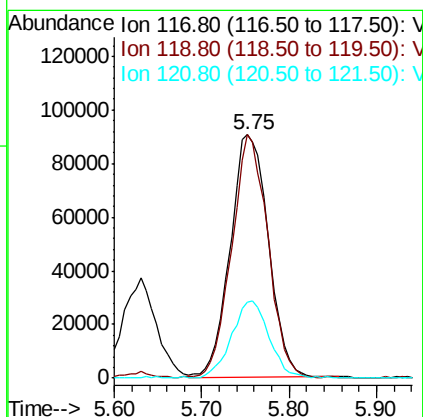
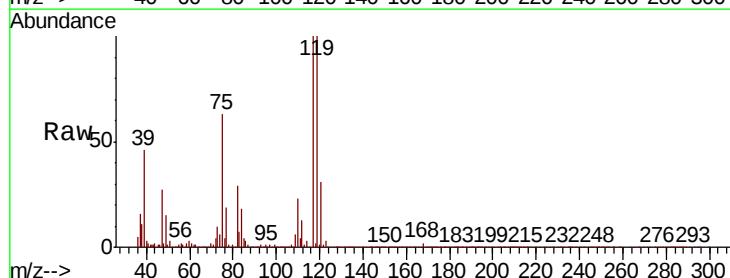
Instrument :  
MSVOA\_X  
ClientSampleId :

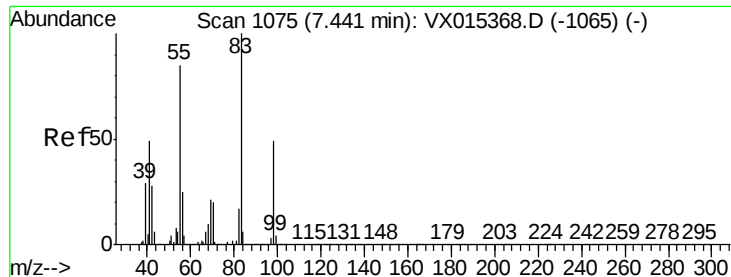
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.7  | 9.9   | 14.9  |
| 70      | 10.5  | 8.1   | 12.1  |



#38  
Carbon Tetrachloride  
Concen: 16.664 ug/l  
RT: 5.75 min Scan# 798  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 100.0 | 78.0  | 117.0 |
| 121     | 31.1  | 23.8  | 35.8  |

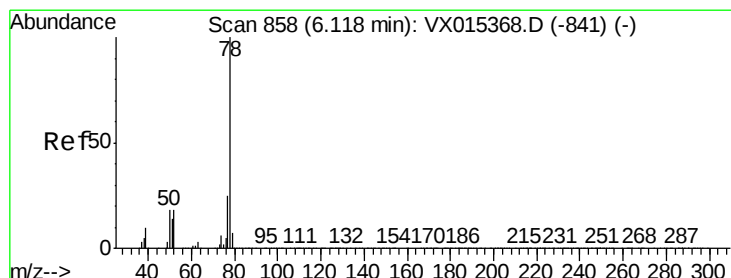
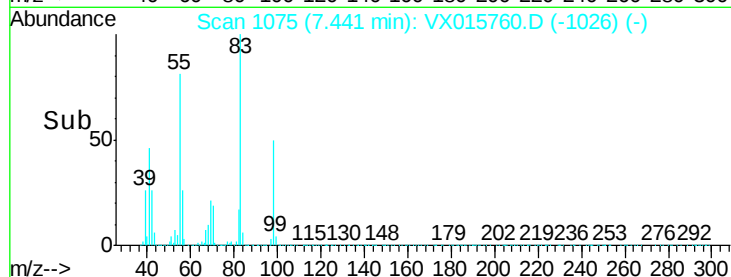
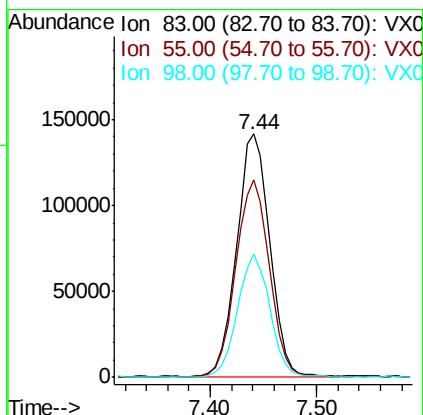
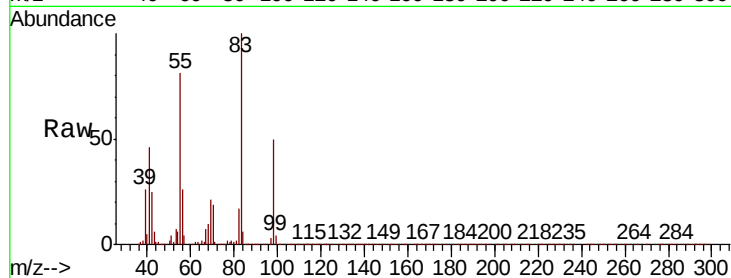




#39  
Methvlcvclohexane  
Concen: 17.680 ug/l  
RT: 7.44 min Scan# 1075  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

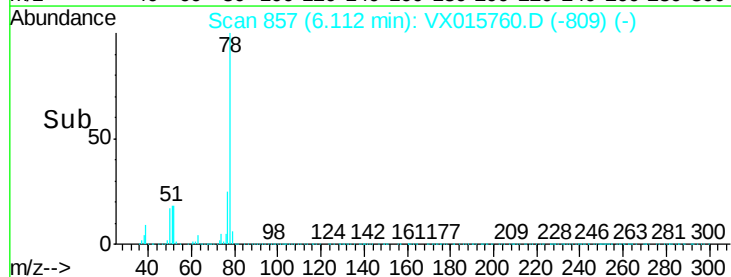
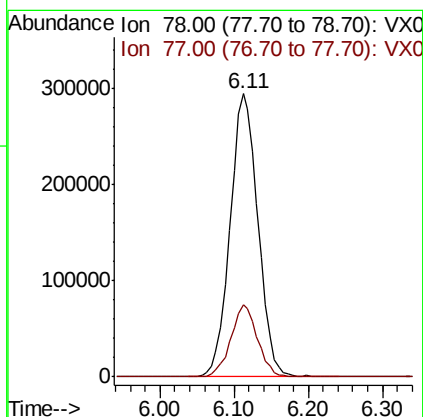
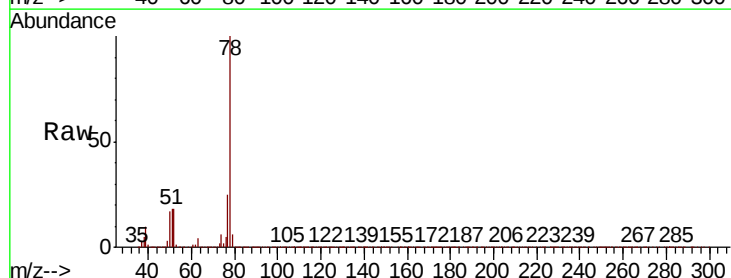
Instrument :  
MSVOA\_X  
ClientSampleId :

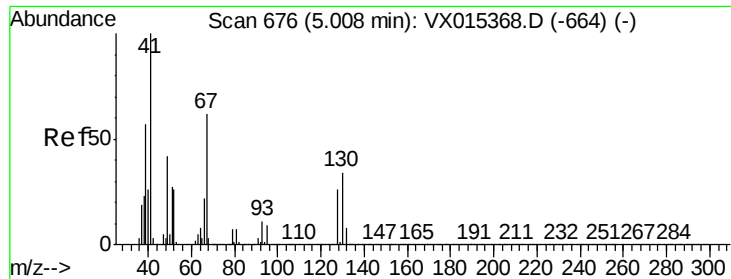
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.7  | 67.8  | 101.6 |
| 98      | 50.3  | 39.3  | 58.9  |



#40  
Benzene  
Concen: 17.198 ug/l  
RT: 6.11 min Scan# 857  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.3  | 19.8  | 29.8  |

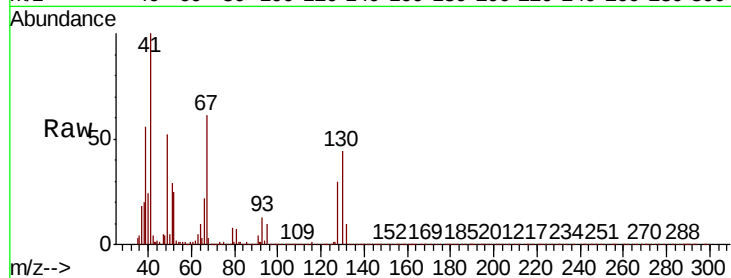




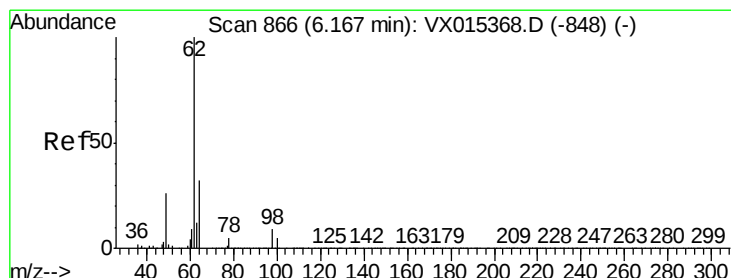
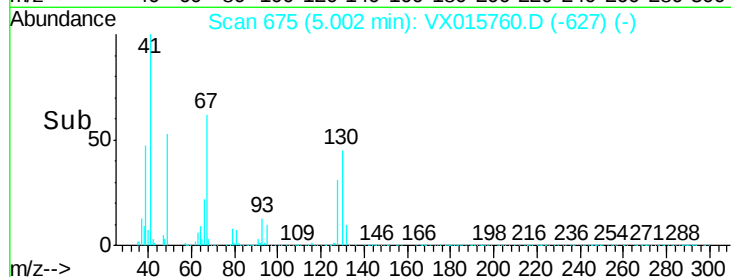
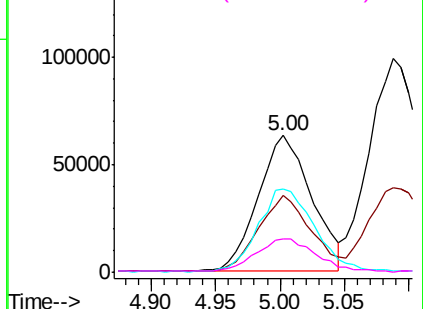
#41  
Methacrylonitrile  
Concen: 16.615 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 182681 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 54.7  | 44.5  | 66.7   |
| 67       | 65.5  | 48.9  | 73.3   |
| 52       | 28.2  | 21.8  | 32.6   |

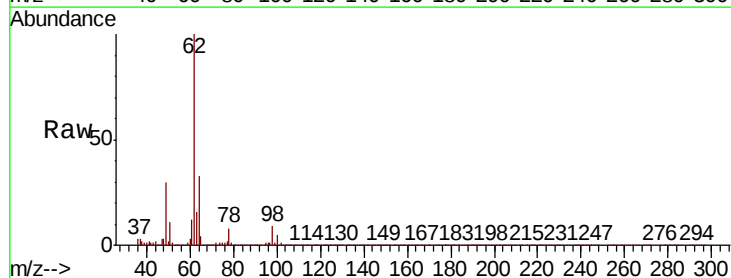


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

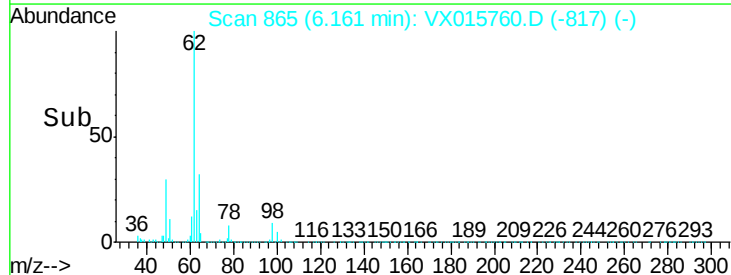
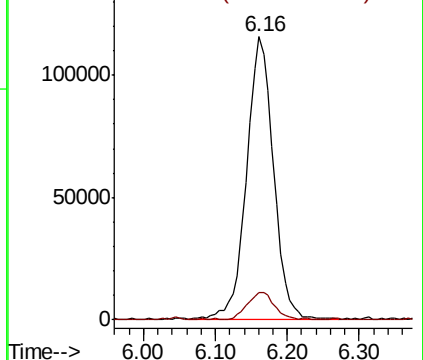


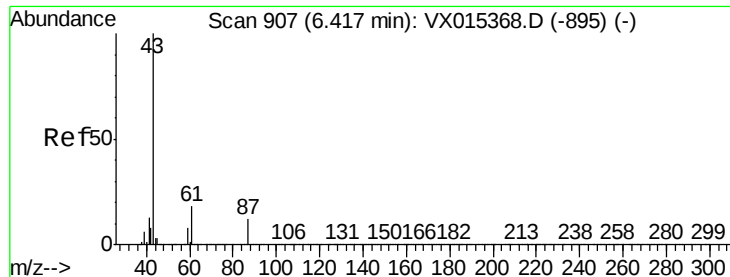
#42  
1,2-Dichloroethane  
Concen: 16.658 ug/l  
RT: 6.16 min Scan# 865  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 298143 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.5   | 0.0   | 17.6   |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



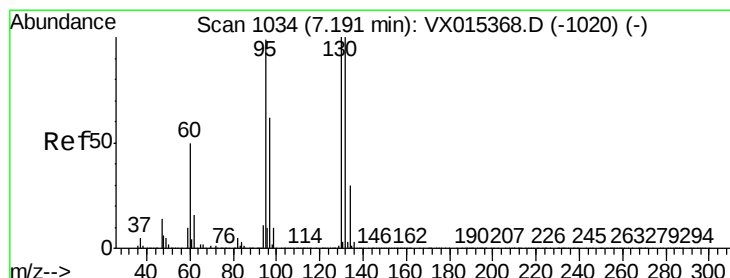
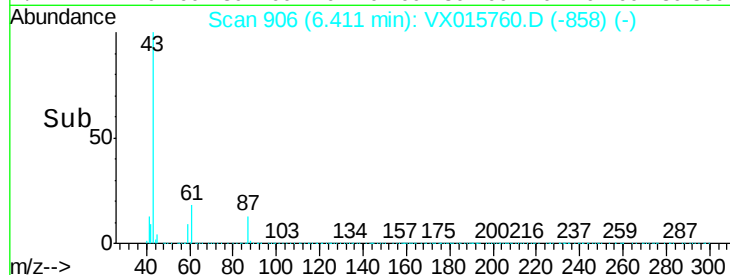
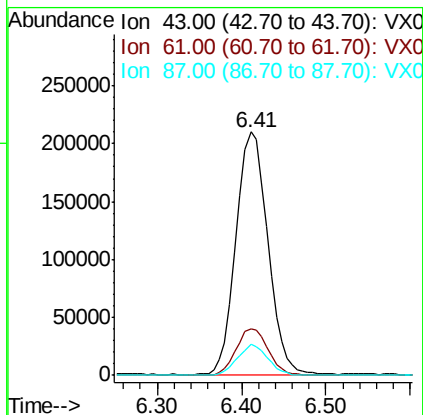
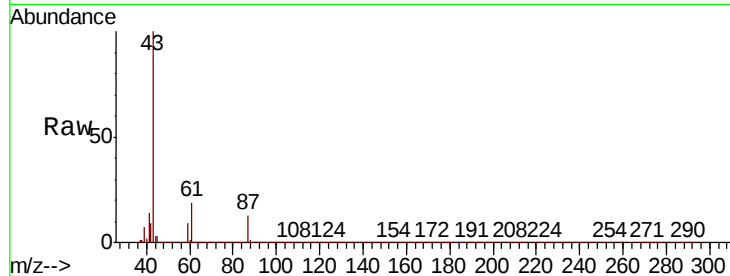


#43

Isopropyl Acetate  
 Concen: 16.003 ug/l  
 RT: 6.41 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

Instrument :  
 MSVOA\_X  
 ClientSampled :

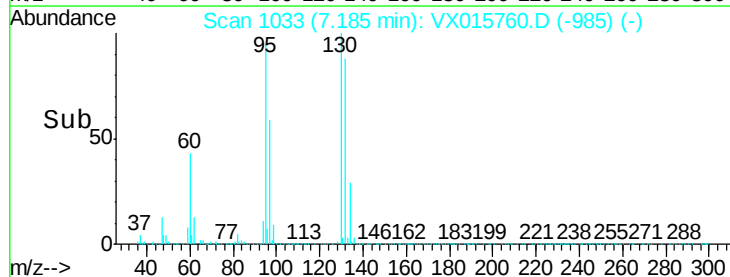
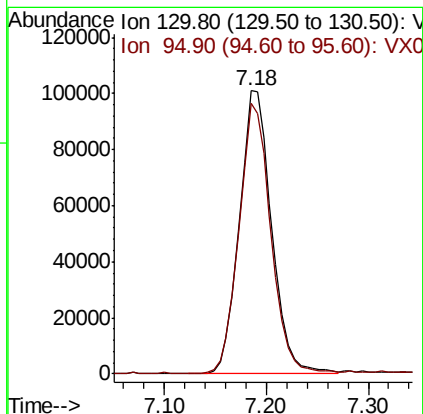
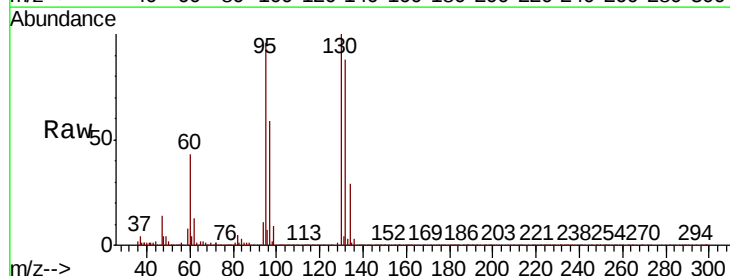
Tot Ion: 43 Resp: 535054  
 Ion Ratio Lower Upper  
 43 100  
 61 19.0 14.8 22.2  
 87 12.2 9.4 14.0

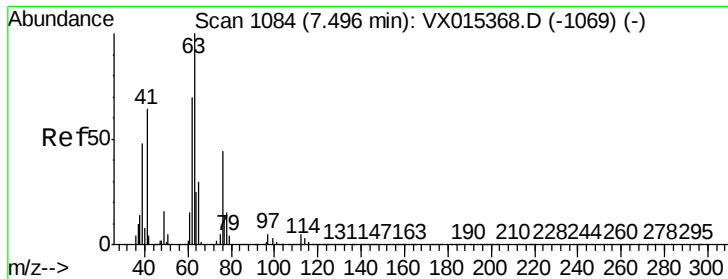


#44

Trichloroethene  
 Concen: 18.196 ug/l  
 RT: 7.18 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

Tgt Ion: 130 Resp: 221120  
 Ion Ratio Lower Upper  
 130 100  
 95 95.4 0.0 199.0

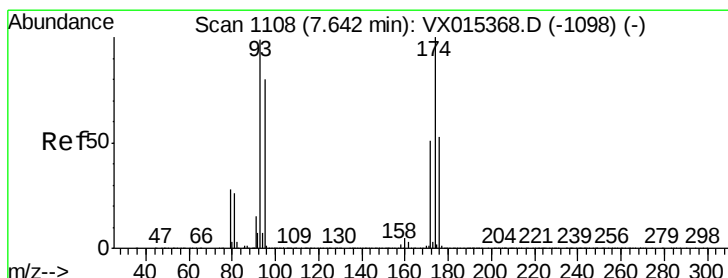
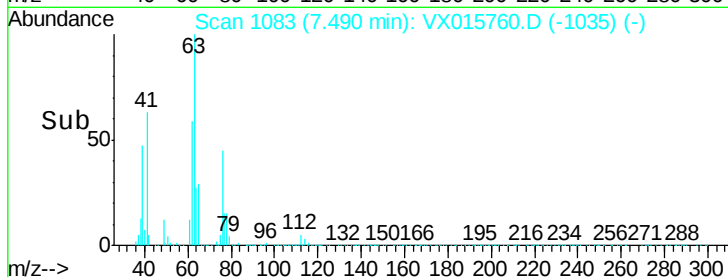
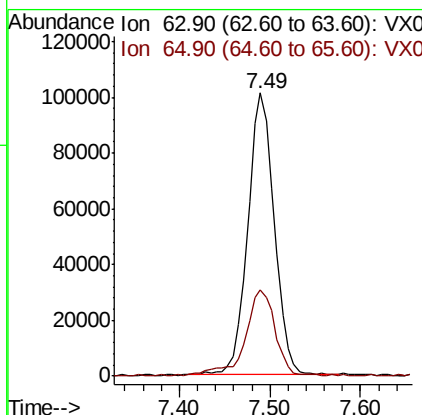
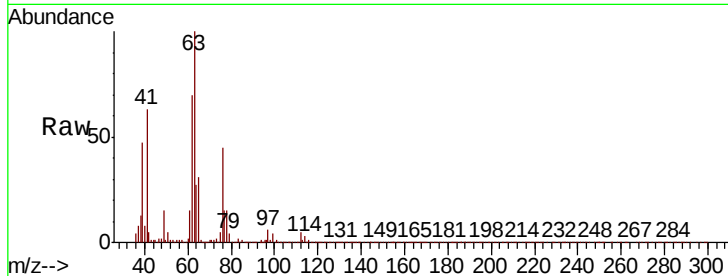




#45  
 1,2-Dichloropropane  
 Concen: 16.745 ug/l  
 RT: 7.49 min Scan# 1083  
 Delta R.T. -0.01 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

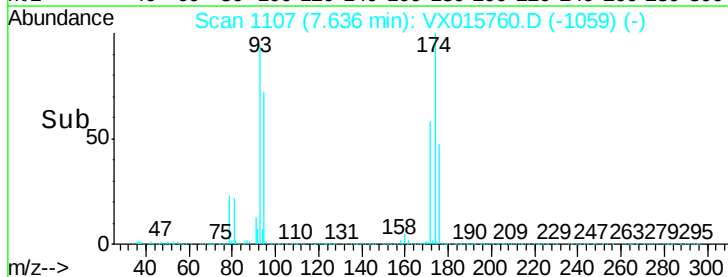
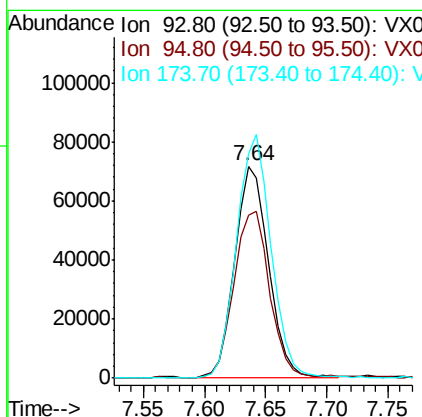
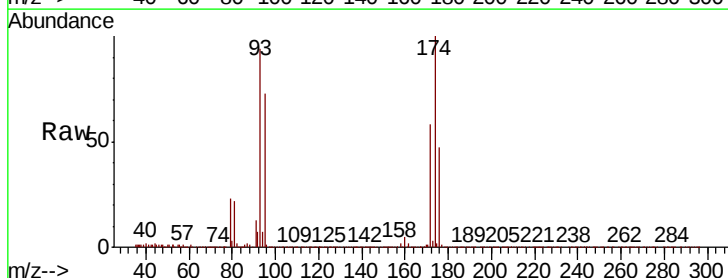
Instrument :  
 MSVOA\_X  
 ClientSampled :

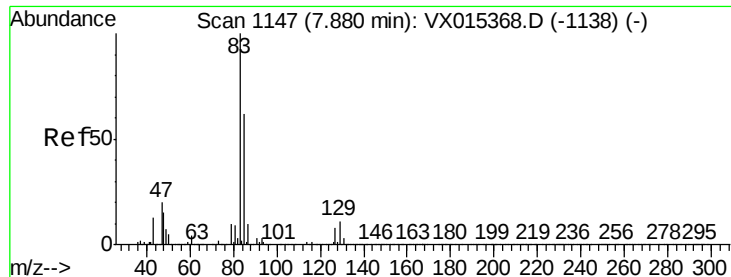
Tot Ion: 63 Resp: 204107  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 23.9 35.9



#46  
 Dibromomethane  
 Concen: 17.133 ug/l  
 RT: 7.64 min Scan# 1107  
 Delta R.T. -0.01 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

Tgt Ion: 93 Resp: 136989  
 Ion Ratio Lower Upper  
 93 100  
 95 83.8 65.8 98.8  
 174 117.9 86.2 129.2





#47

Bromodichloromethane

Concen: 16.903 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. -0.01 min

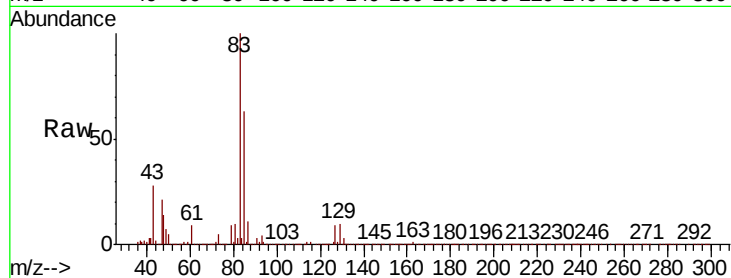
Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 83 Resp: 287987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 62.7  | 49.7  | 74.5  |
| 127 | 8.5   | 6.7   | 10.1  |

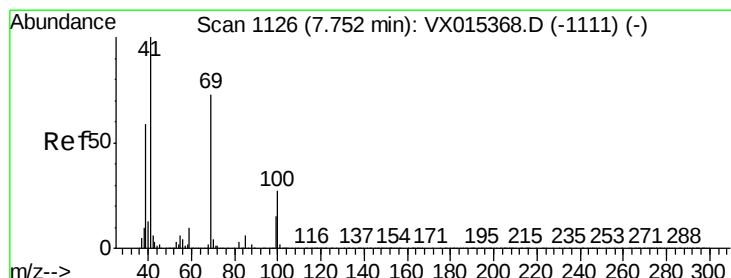
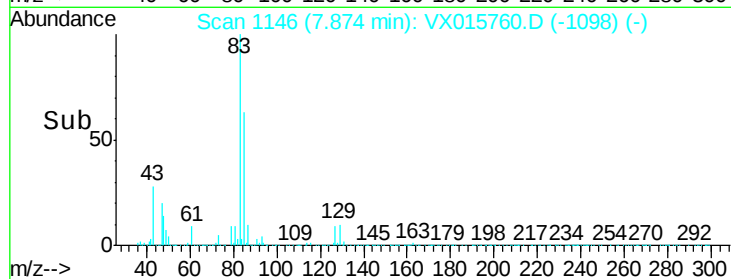
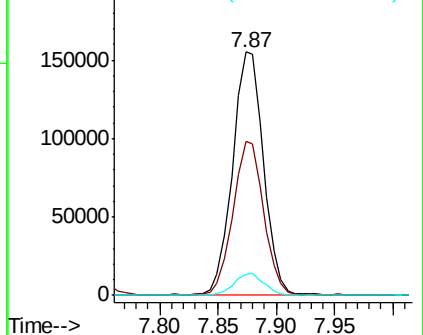


Abundance

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: 15.526 ug/l

RT: 7.75 min Scan# 1125

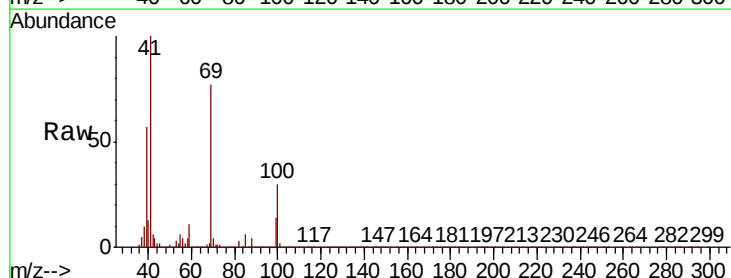
Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Tgt Ion: 41 Resp: 259287

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 76.8  | 56.7  | 85.1  |
| 39  | 56.0  | 46.5  | 69.7  |

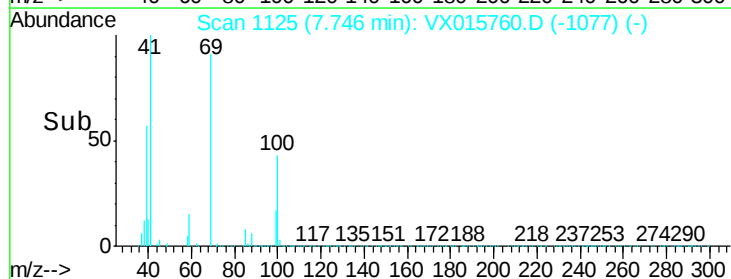
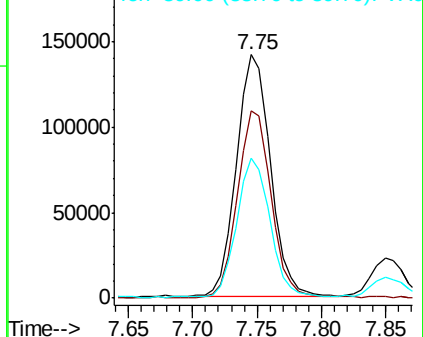


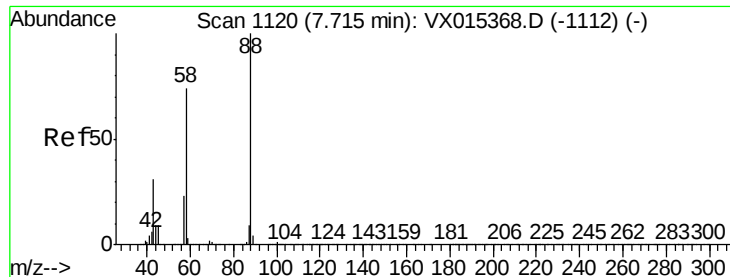
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 324.465 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

ClientSampleId :

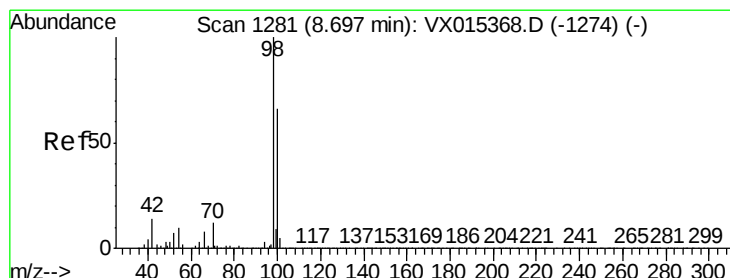
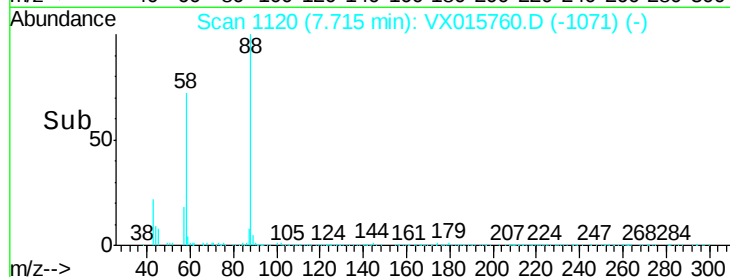
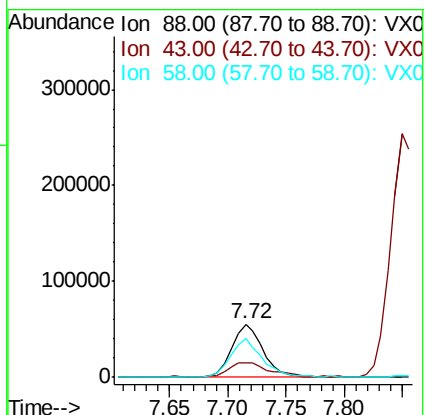
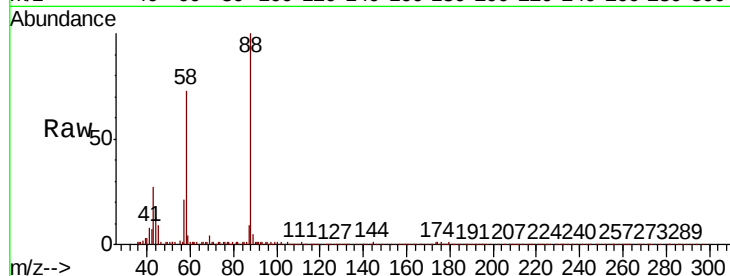
Tot Ion: 88 Resp: 101084

Ion Ratio Lower Upper

88 100

43 35.9 30.1 45.1

58 73.9 60.6 90.8



#50

Toluene-d8

Concen: 49.395 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015760.D

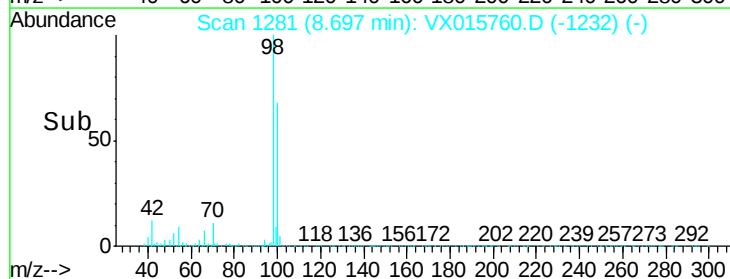
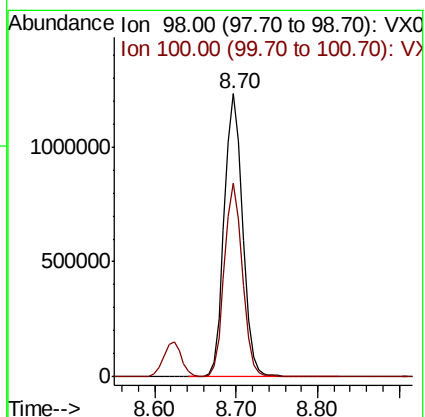
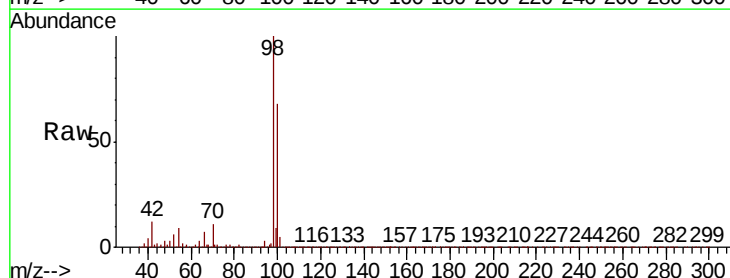
Acq: 20 Apr 2020 13:06

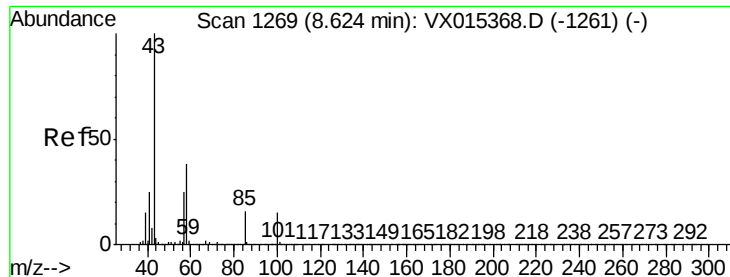
Tgt Ion: 98 Resp: 1919154

Ion Ratio Lower Upper

98 100

100 67.3 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 83.324 ug/l

RT: 8.62 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

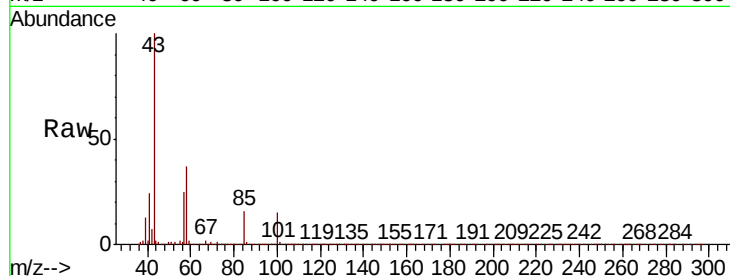
ClientSampled :

Tot Ion: 43 Resp: 1578814

Ion Ratio Lower Upper

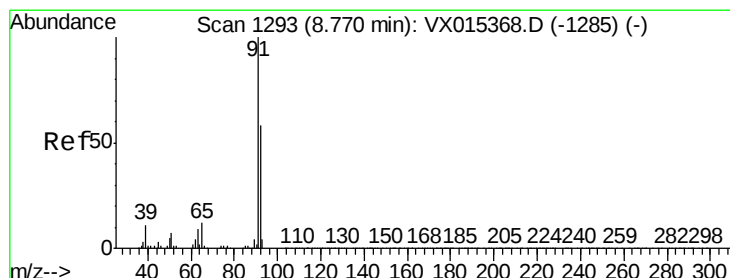
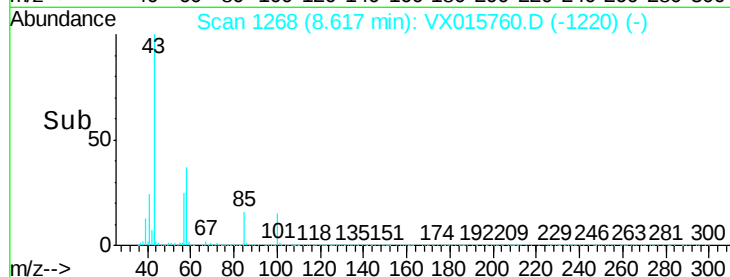
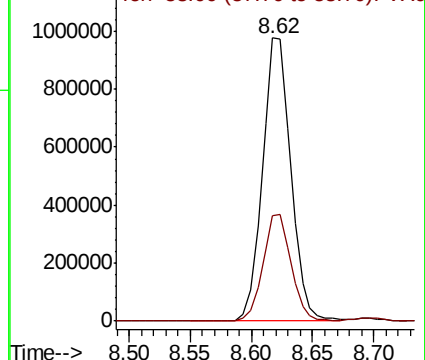
43 100

58 37.2 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.868 ug/l

RT: 8.76 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX015760.D

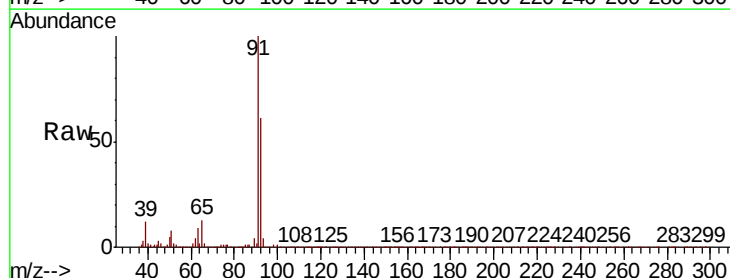
Acq: 20 Apr 2020 13:06

Tgt Ion: 92 Resp: 490835

Ion Ratio Lower Upper

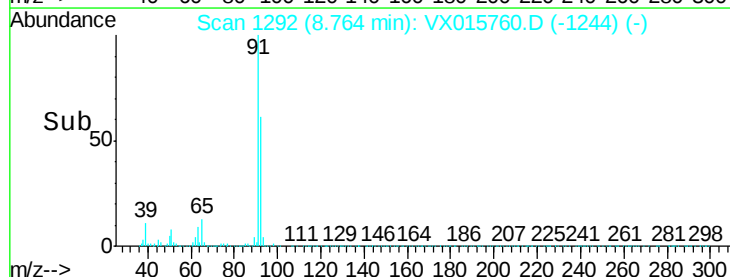
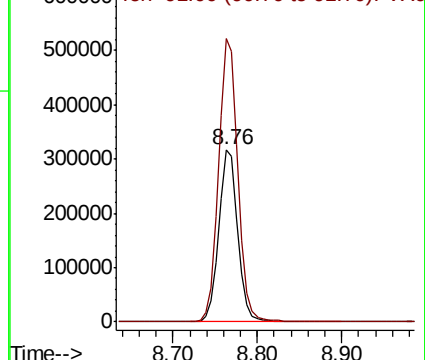
92 100

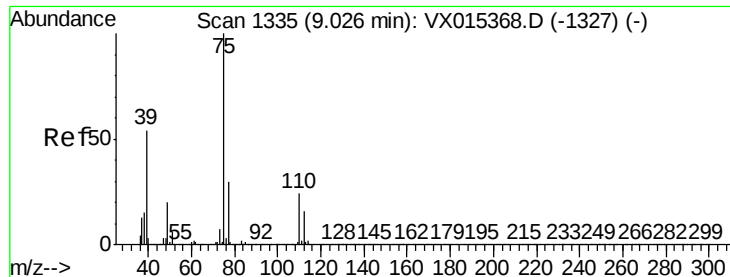
91 167.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 16.162 ug/l

RT: 9.03 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

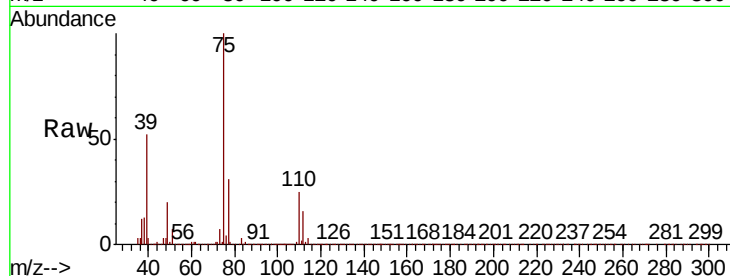
ClientSampleId :

Tot Ion: 75 Resp: 322954

Ion Ratio Lower Upper

75 100

77 31.1 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

250000

200000

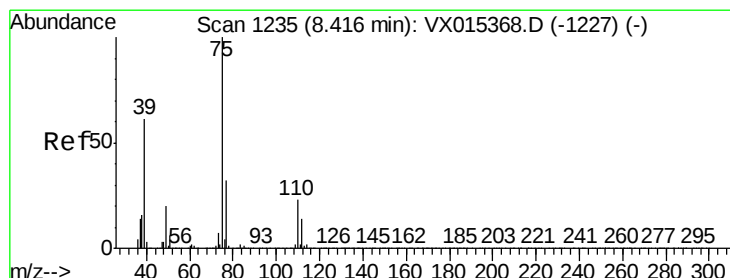
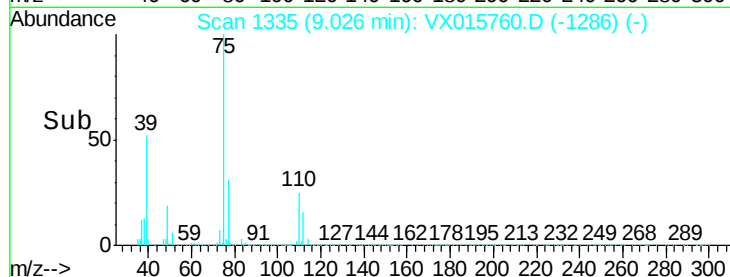
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 16.915 ug/l

RT: 8.42 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

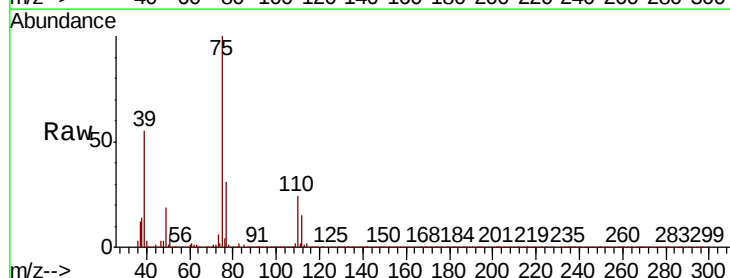
Tgt Ion: 75 Resp: 344302

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 55.0 49.0 73.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

300000

250000

200000

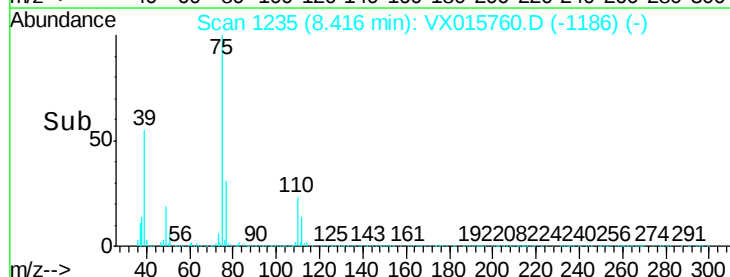
150000

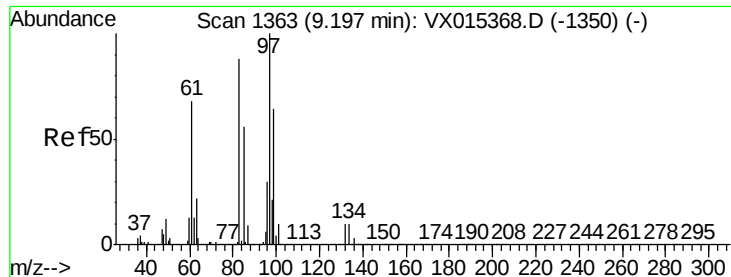
100000

50000

0

Time-->

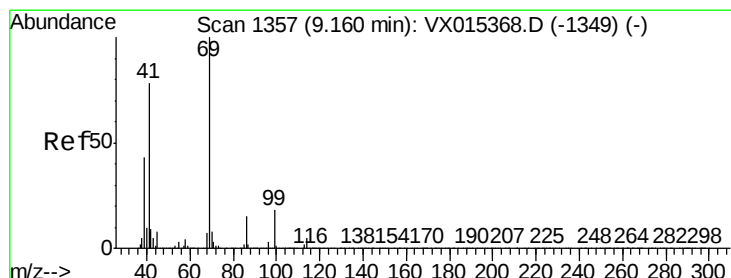
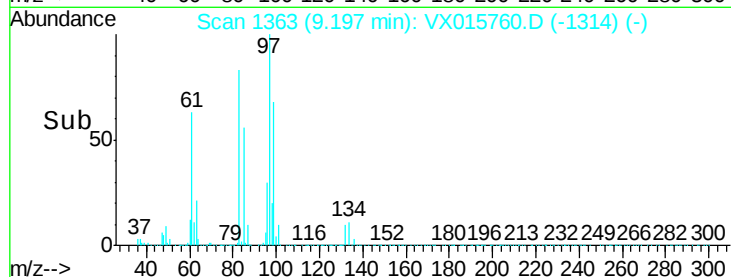
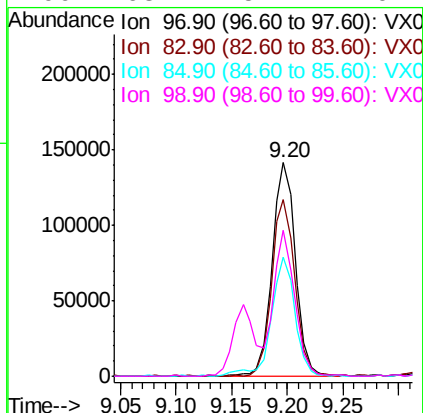
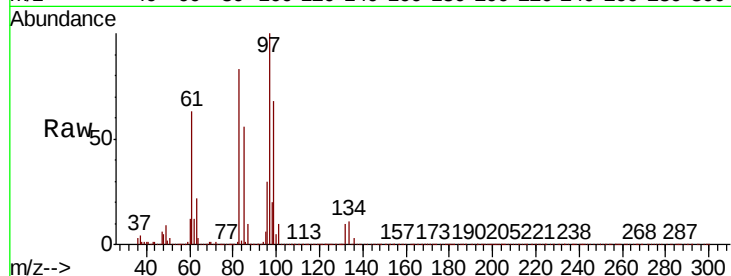




#55  
 1,1,2-Trichloroethane  
 Concen: 18.249 ug/l  
 RT: 9.20 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

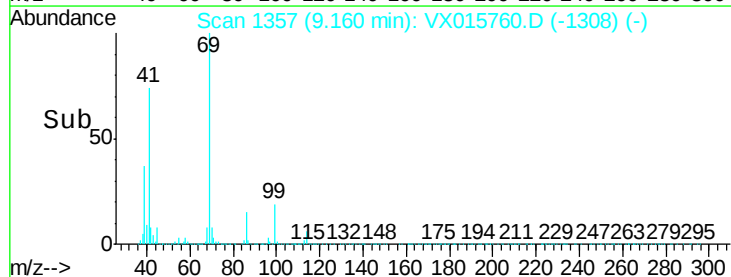
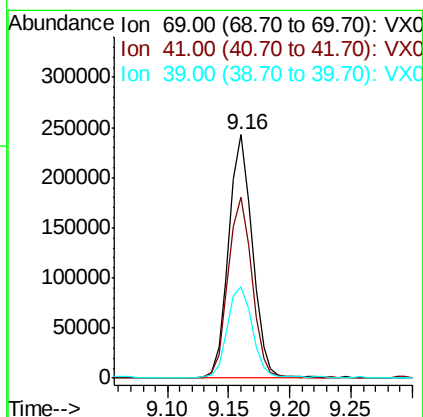
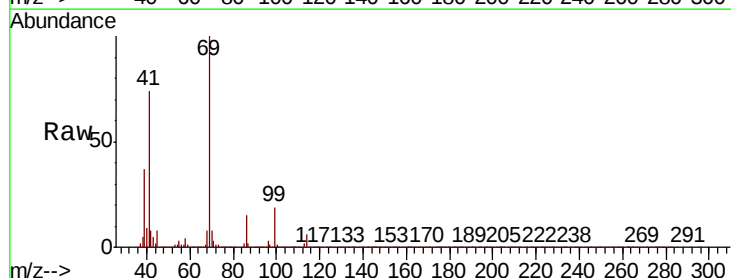
Instrument :  
 MSVOA\_X  
 ClientSampleId :

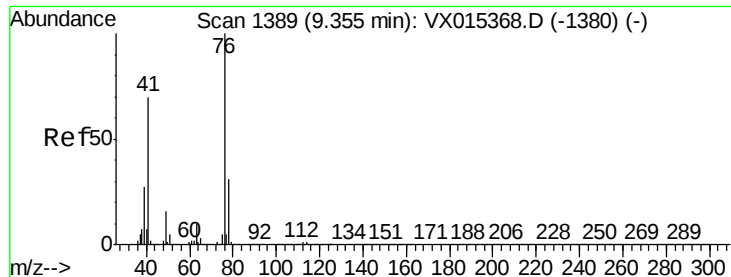
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 205391 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.5  | 70.2  | 105.4  |
| 85       | 55.7  | 44.7  | 67.1   |
| 99       | 68.1  | 51.1  | 76.7   |



#56  
 Ethyl methacrylate  
 Concen: 16.369 ug/l  
 RT: 9.16 min Scan# 1357  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 324681 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.0  | 61.6  | 92.4   |
| 39       | 39.0  | 34.0  | 51.0   |





#57

1,3-Dichloropropane

Concen: 17.089 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

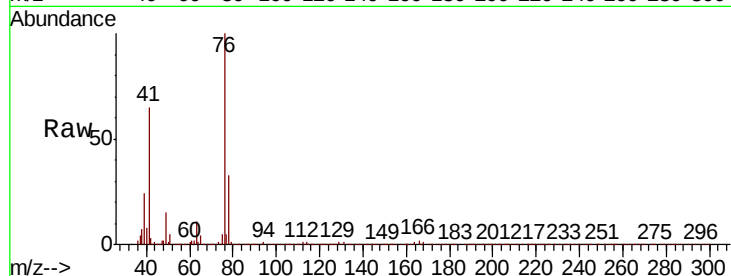
ClientSampleId :

Tot Ion: 76 Resp: 346527

Ion Ratio Lower Upper

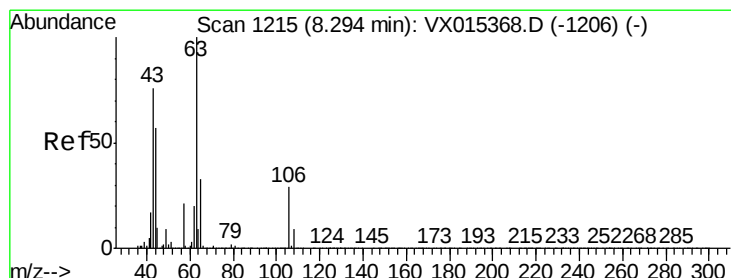
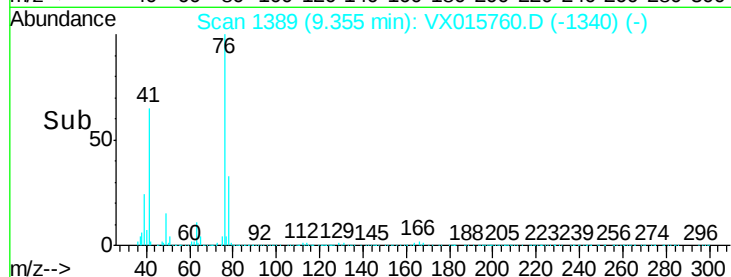
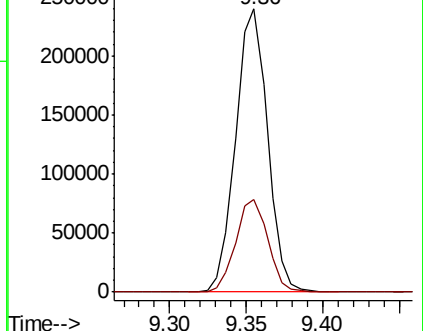
76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 74.304 ug/l

RT: 8.29 min Scan# 1214

Delta R.T. -0.01 min

Lab File: VX015760.D

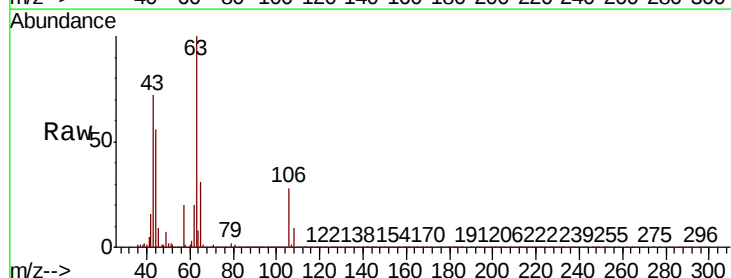
Acq: 20 Apr 2020 13:06

Tgt Ion: 63 Resp: 716881

Ion Ratio Lower Upper

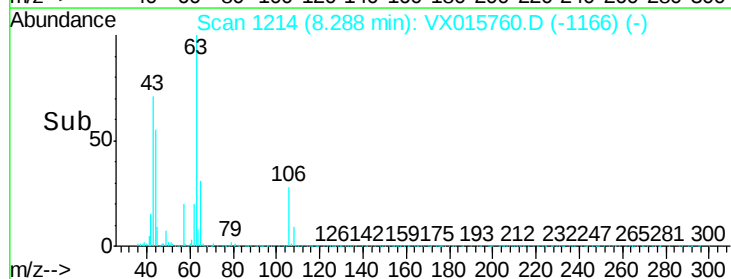
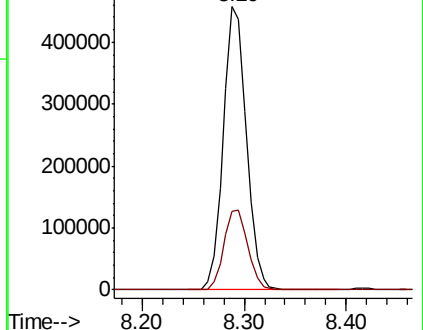
63 100

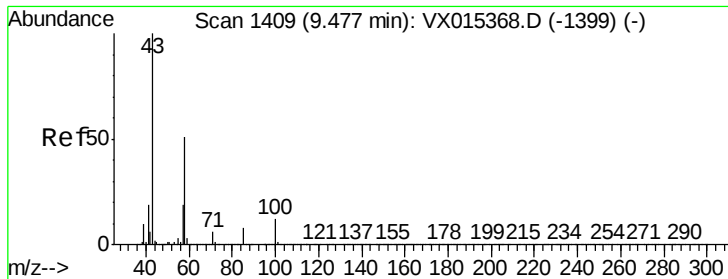
106 29.2 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

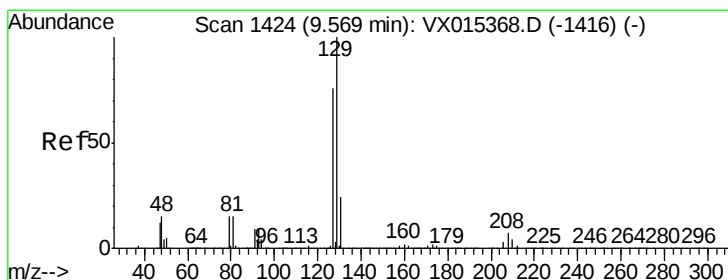
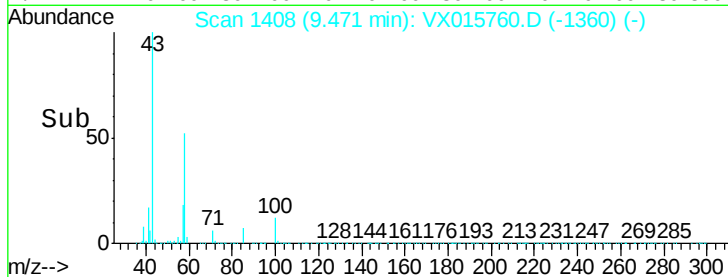
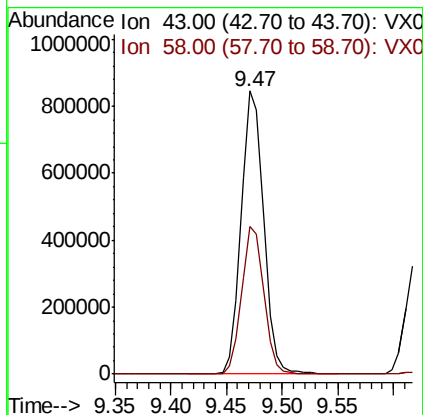
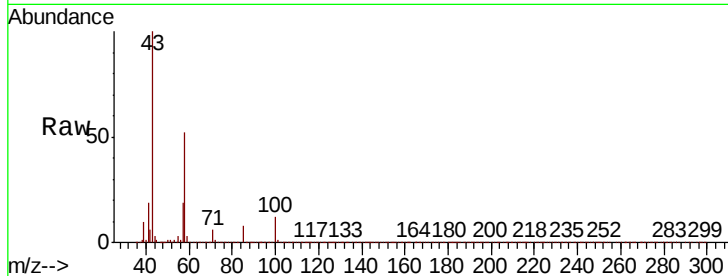




#59  
2-Hexanone  
Concen: 82.678 ug/l  
RT: 9.47 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

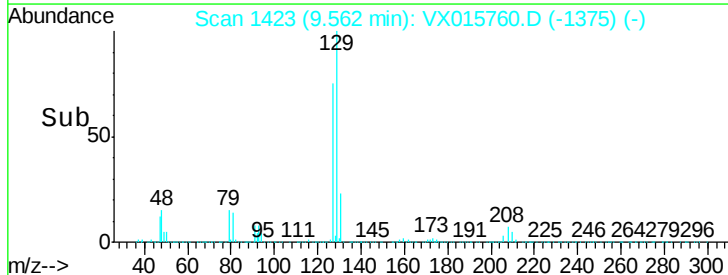
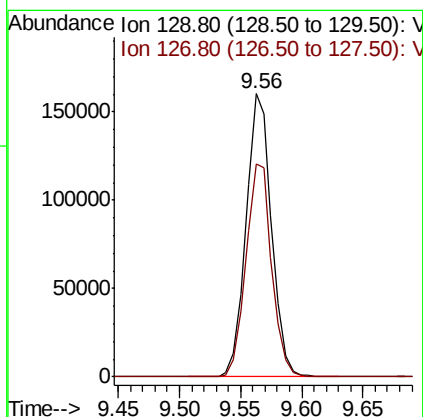
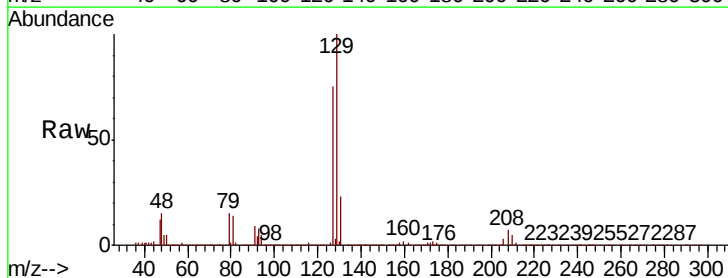
Instrument :  
MSVOA\_X  
ClientSampleId :

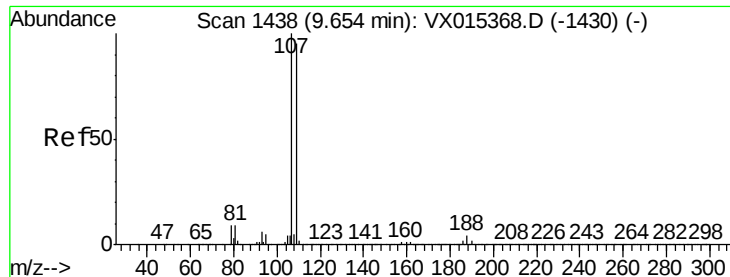
Tot Ion: 43 Resp: 1182734  
Ion Ratio Lower Upper  
43 100  
58 51.8 25.6 76.6



#60  
Dibromochloromethane  
Concen: 17.140 ug/l  
RT: 9.56 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 129 Resp: 231807  
Ion Ratio Lower Upper  
129 100  
127 75.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 17.529 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

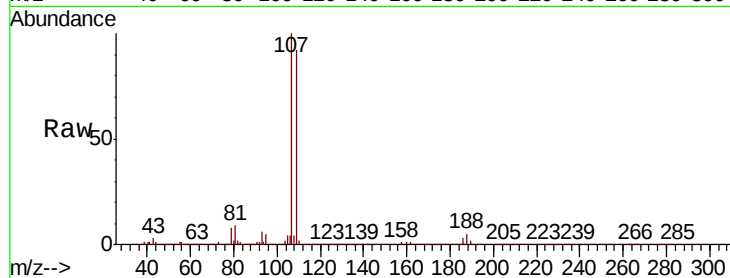
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 107 Resp: 214517

Ion Ratio Lower Upper

107 100

109 93.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

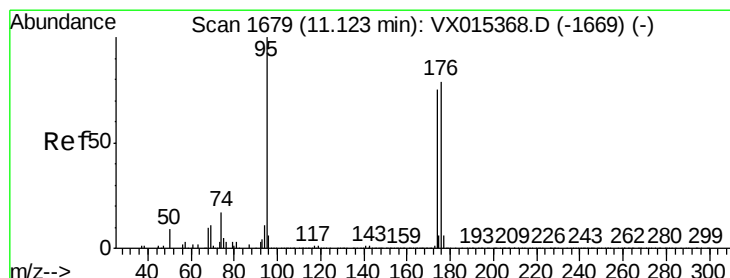
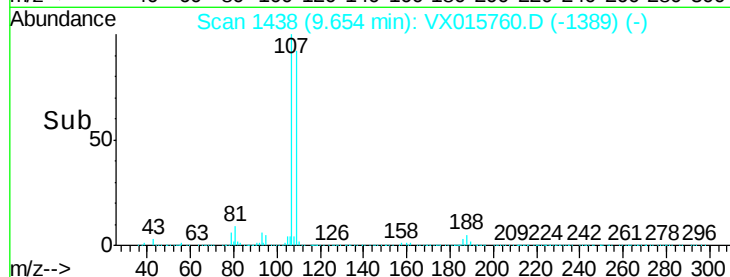
100000

50000

0

9.55 9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 49.569 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

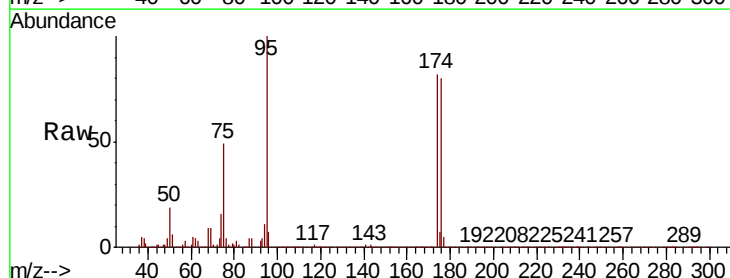
Tgt Ion: 95 Resp: 782699

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.6

176 83.1 0.0 159.0



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

800000

600000

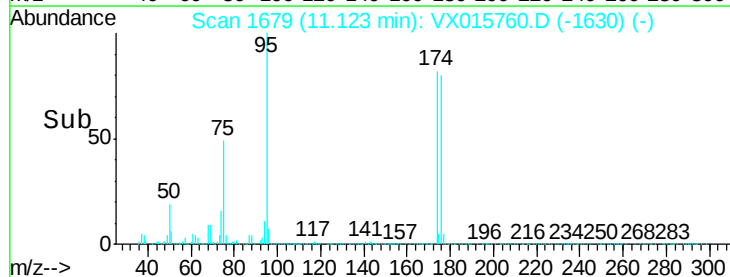
400000

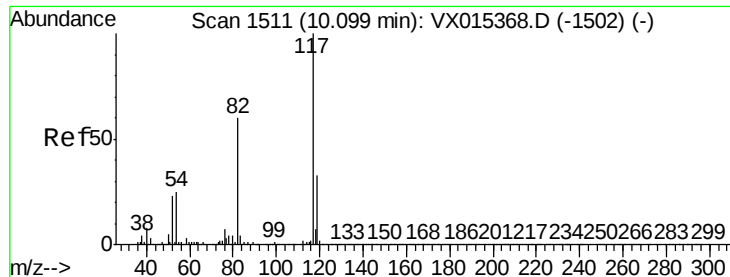
200000

0

11.10 11.12 11.20

Time-->

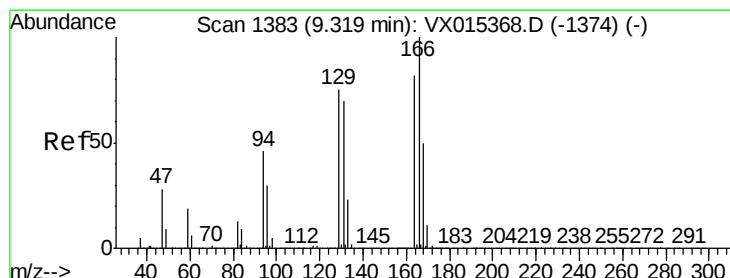
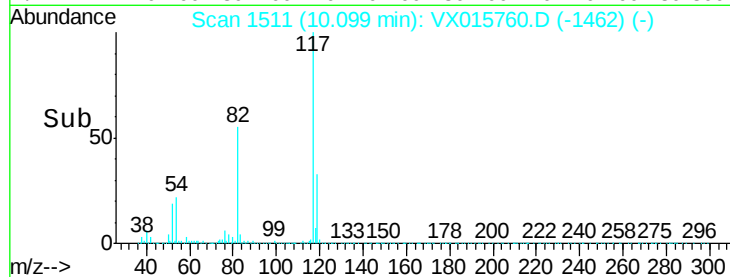
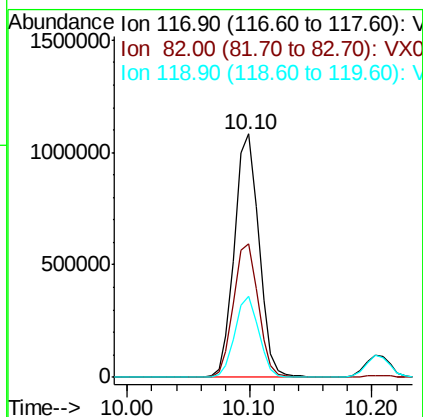
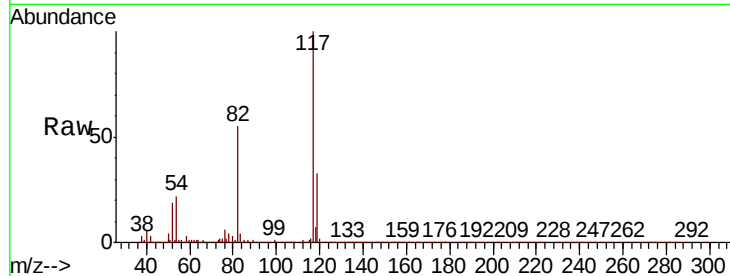




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

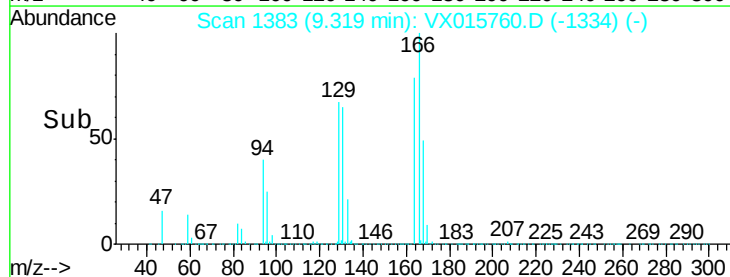
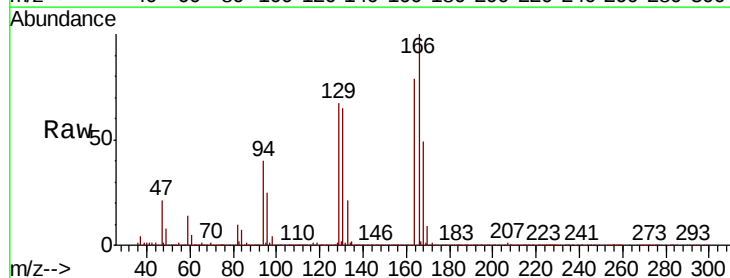
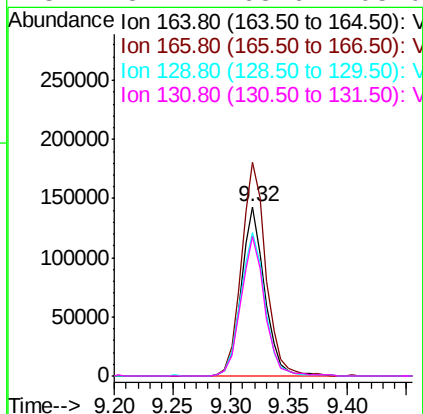
Instrument :  
MSVOA\_X  
ClientSampleId :

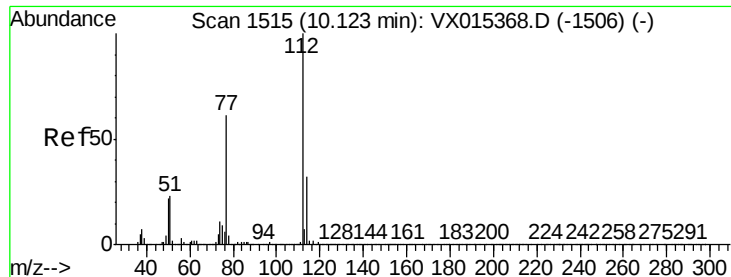
Tot Ion:117 Resp: 1496820  
Ion Ratio Lower Upper  
117 100  
82 54.9 47.8 71.8  
119 33.3 26.8 40.2



#64  
Tetrachloroethene  
Concen: 17.654 ug/l  
RT: 9.32 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion:164 Resp: 199425  
Ion Ratio Lower Upper  
164 100  
166 126.2 97.8 146.6  
129 84.4 73.0 109.4  
131 82.2 68.6 103.0

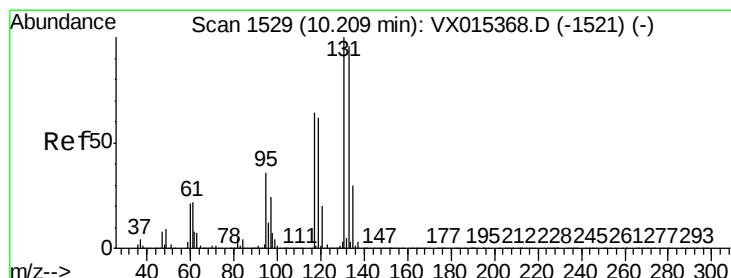
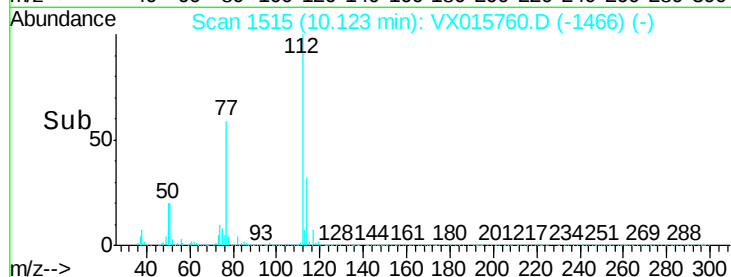
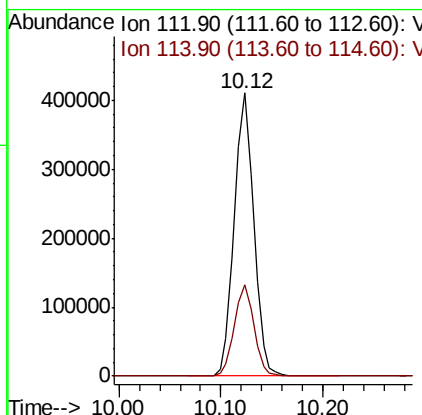
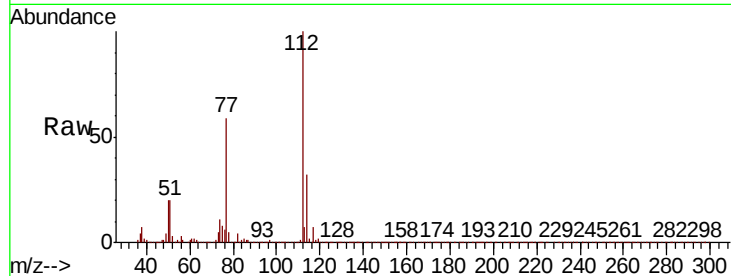




#65  
Chlorobenzene  
Concen: 18.102 ug/l  
RT: 10.12 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

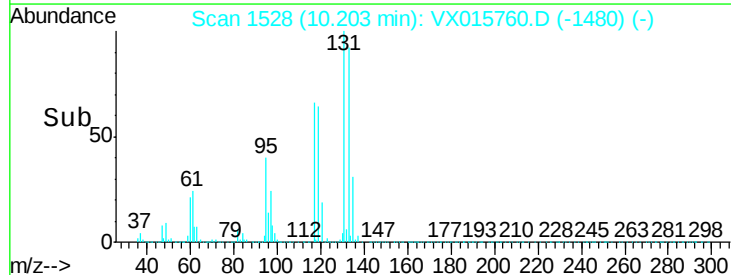
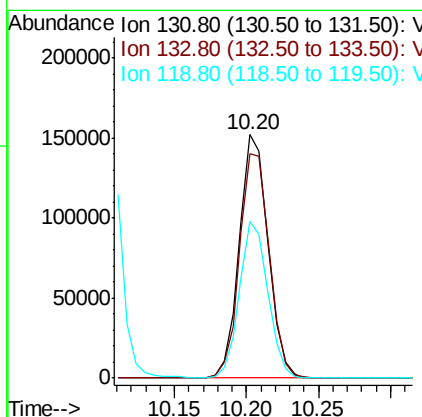
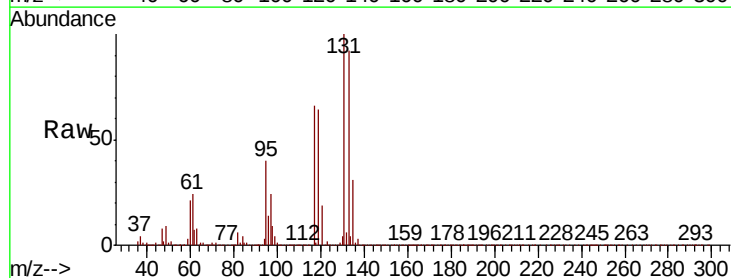
Instrument :  
MSVOA\_X  
ClientSampled :

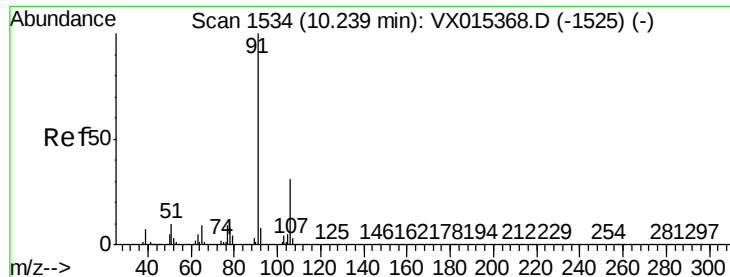
Tot Ion:112 Resp: 540356  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 17.708 ug/l  
RT: 10.20 min Scan# 1528  
Delta R.T. -0.01 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion:131 Resp: 211183  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.6 142.9  
119 63.1 31.1 93.3





#67

Ethyl Benzene

Concen: 17.898 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

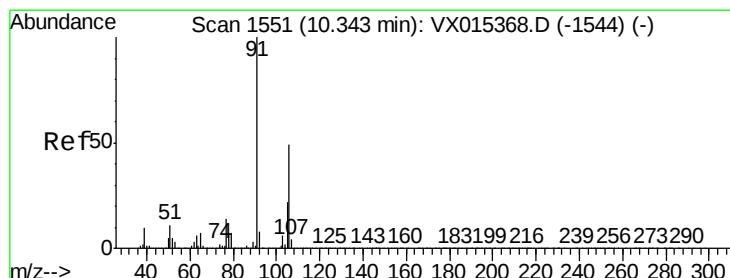
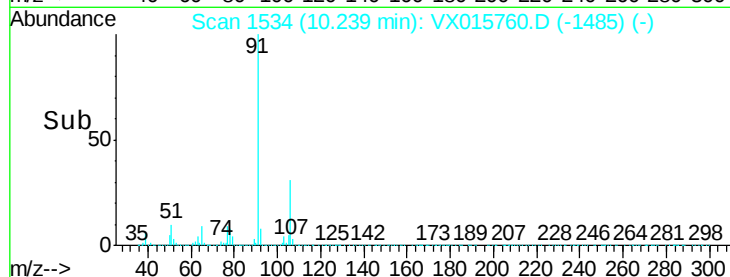
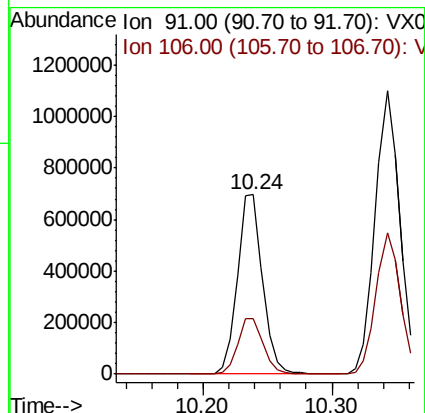
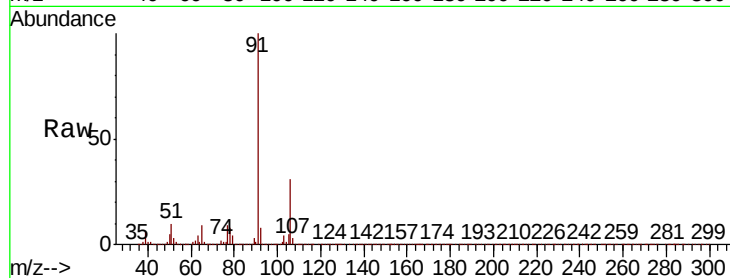
ClientSampleId :

Tot Ion: 91 Resp: 947571

Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2



#68

m/p-Xylenes

Concen: 36.755 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015760.D

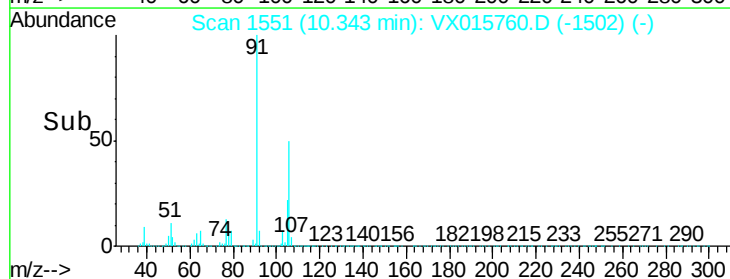
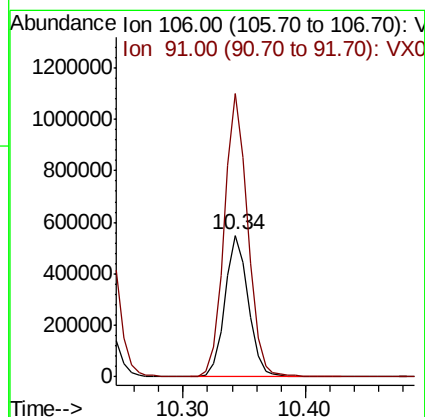
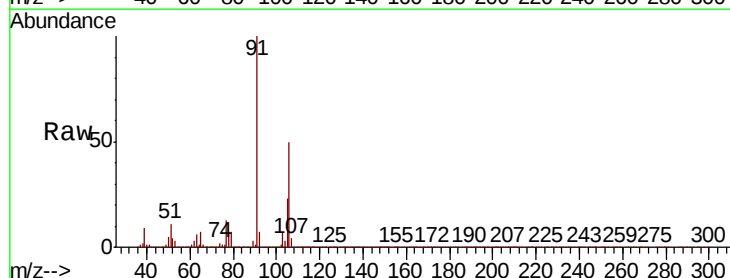
Acq: 20 Apr 2020 13:06

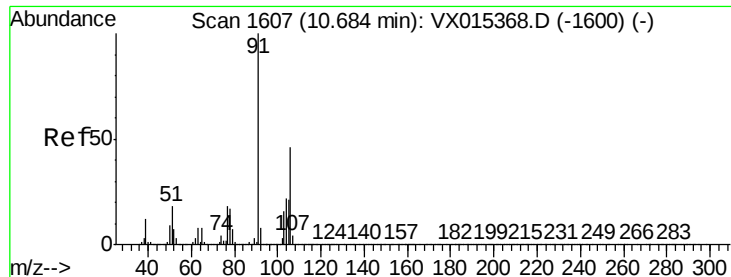
Tgt Ion: 106 Resp: 724604

Ion Ratio Lower Upper

106 100

91 201.1 163.4 245.0

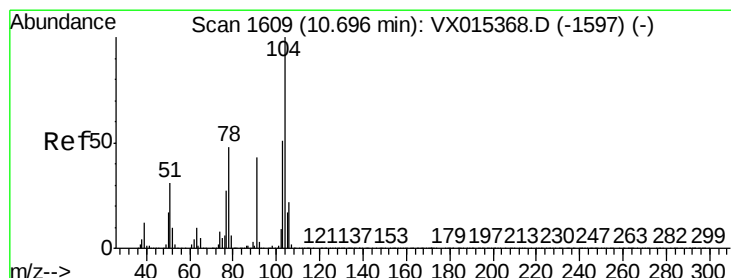
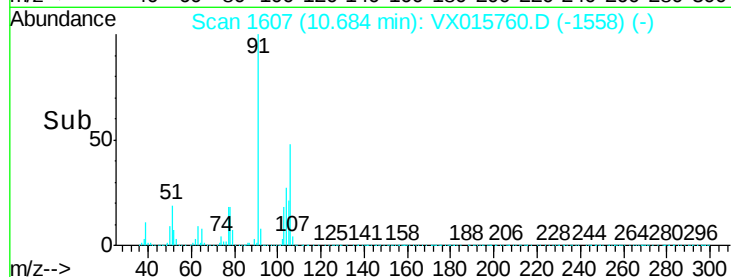
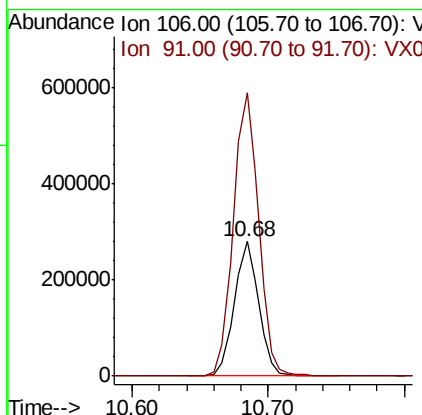
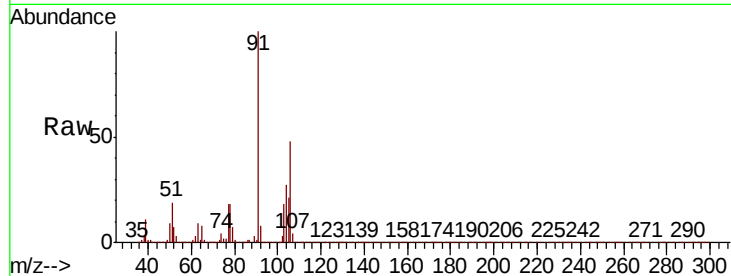




#69  
o-Xylene  
Concen: 17.904 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

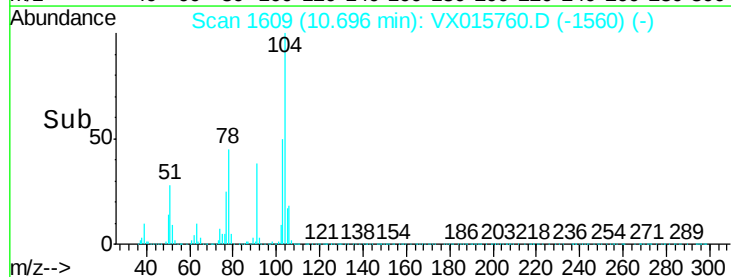
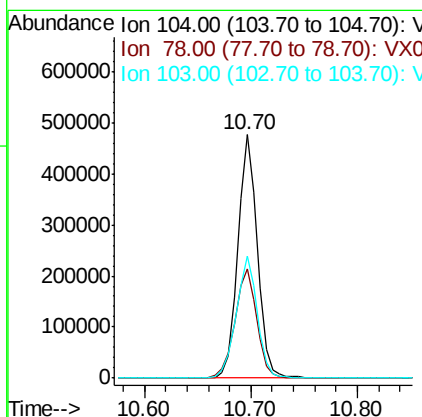
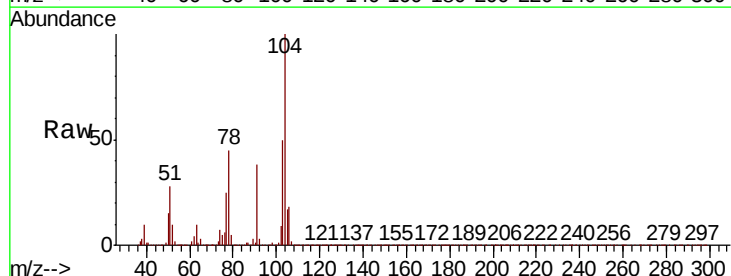
Instrument :  
MSVOA\_X  
ClientSampleId :

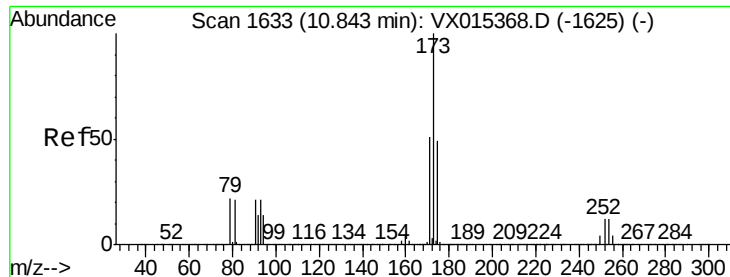
Tot Ion:106 Resp: 348796  
Ion Ratio Lower Upper  
106 100  
91 217.6 107.1 321.3



#70  
Styrene  
Concen: 17.873 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion:104 Resp: 612706  
Ion Ratio Lower Upper  
104 100  
78 50.2 42.0 63.0  
103 54.0 43.4 65.0

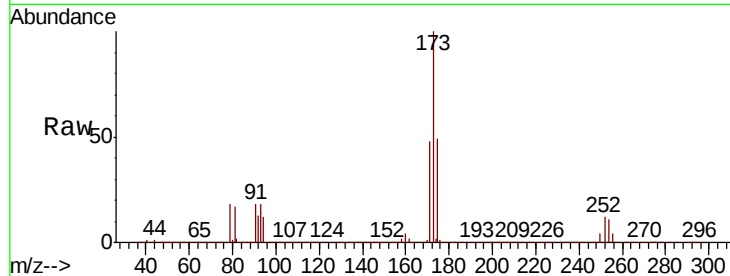




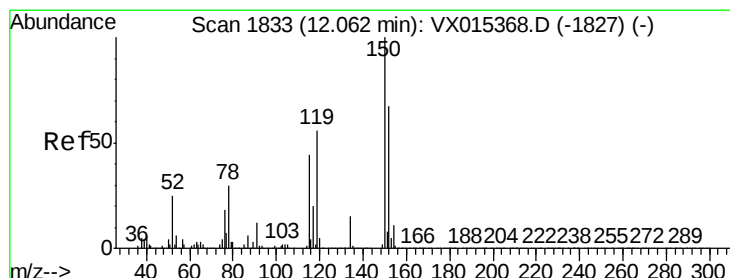
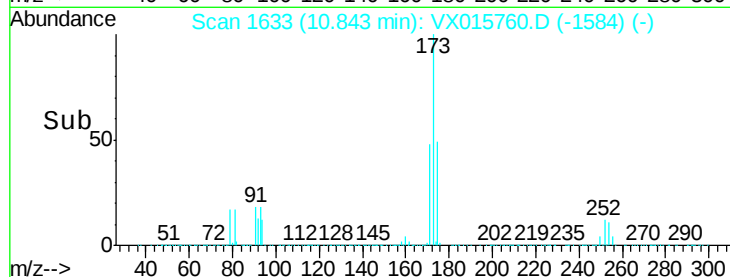
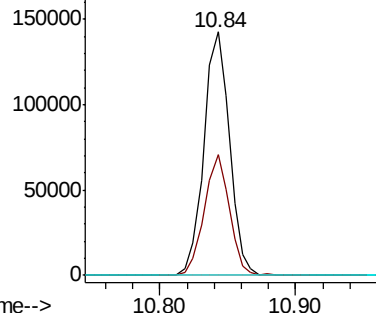
#71  
Bromoform  
Concen: 17.104 ug/l  
RT: 10.84 min Scan# 1633  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:173 Resp: 185692  
Ion Ratio Lower Upper  
173 100  
175 48.7 23.9 71.7  
254 0.1 0.1 0.1#

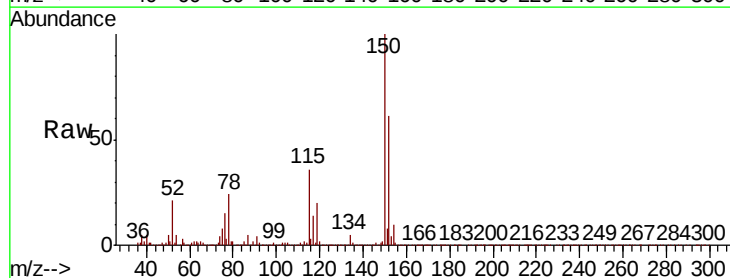


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

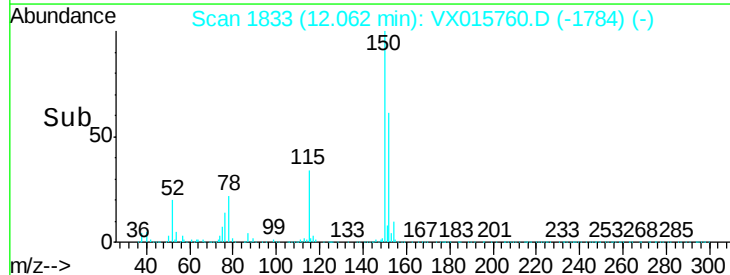
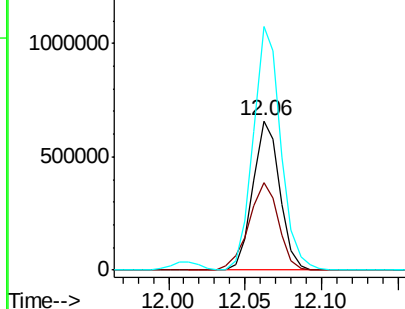


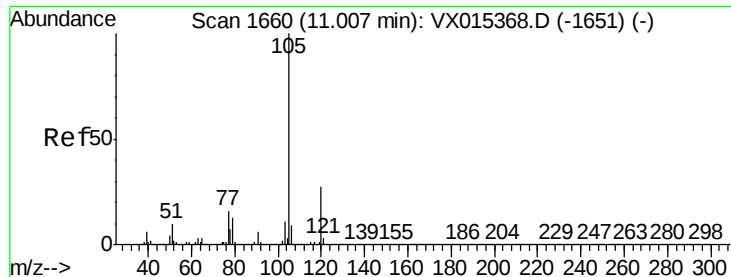
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion:152 Resp: 805791  
Ion Ratio Lower Upper  
152 100  
115 64.1 39.0 116.9  
150 167.0 0.0 340.8



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





#73

Isopropylbenzene

Concen: 18.090 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

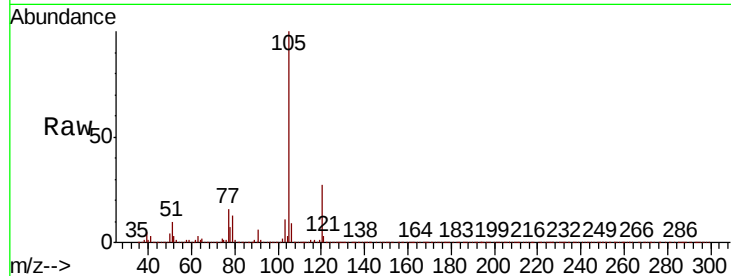
ClientSampleId :

Tot Ion: 105 Resp: 955111

Ion Ratio Lower Upper

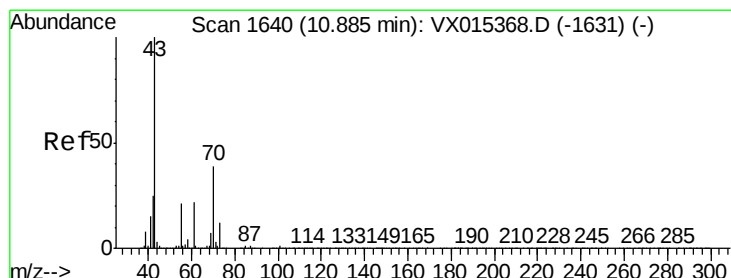
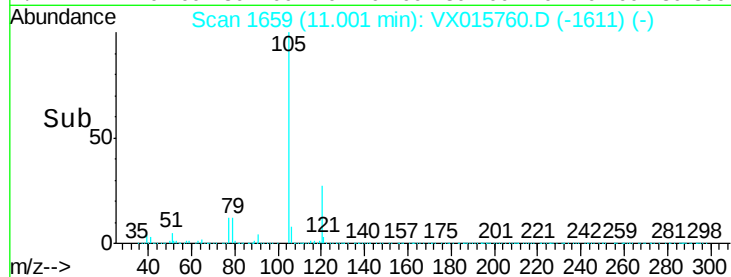
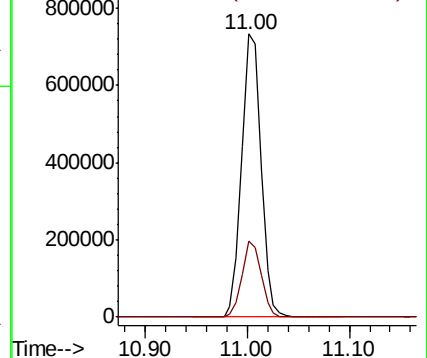
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.487 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Tgt Ion: 43 Resp: 454760

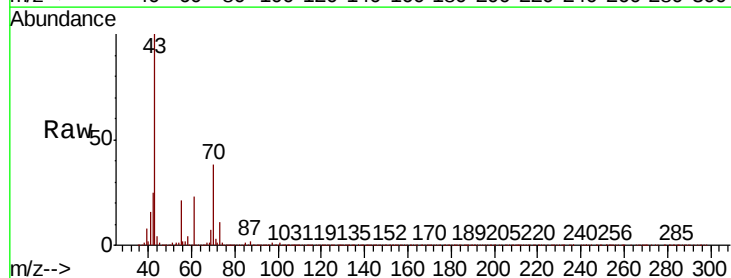
Ion Ratio Lower Upper

43 100

70 39.5 30.2 45.4

55 22.3 16.8 25.2

61 23.5 18.2 27.2

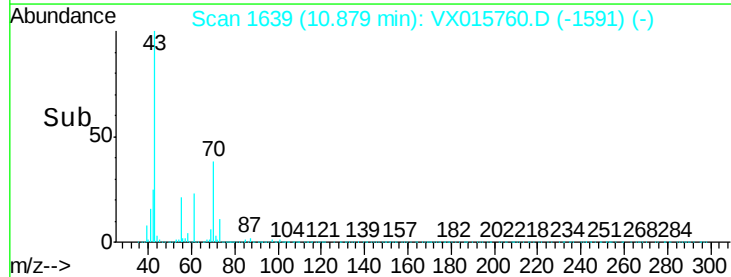
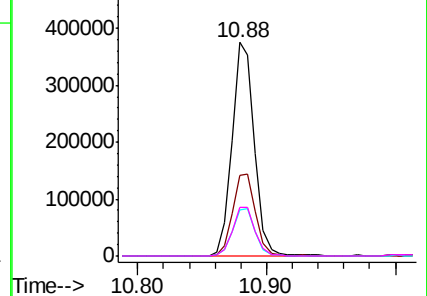


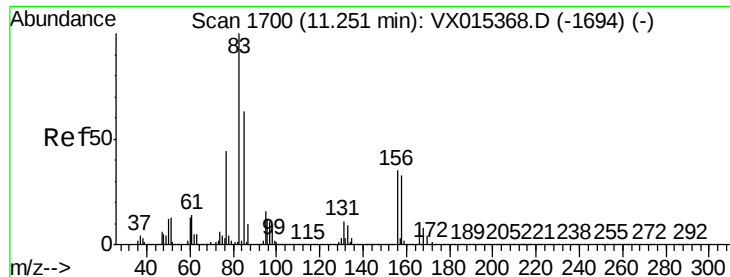
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.996 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

ClientSampleId :

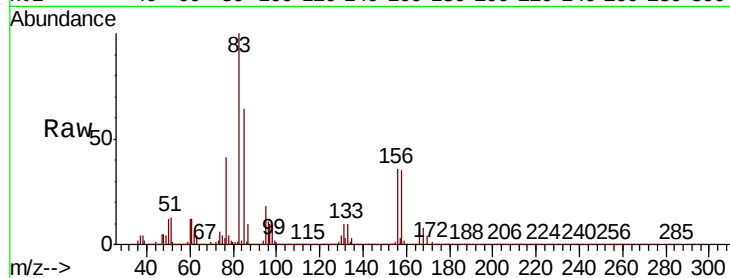
Tot Ion: 83 Resp: 307906

Ion Ratio Lower Upper

83 100

131 11.1 5.3 16.1

85 64.3 32.0 96.0

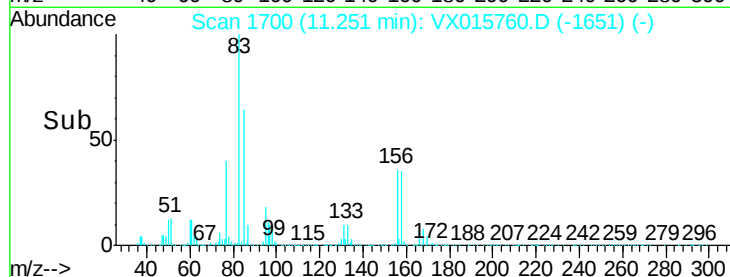


Abundance Ion 82.90 (82.60 to 83.60): VX015760.D (-1651) (-)

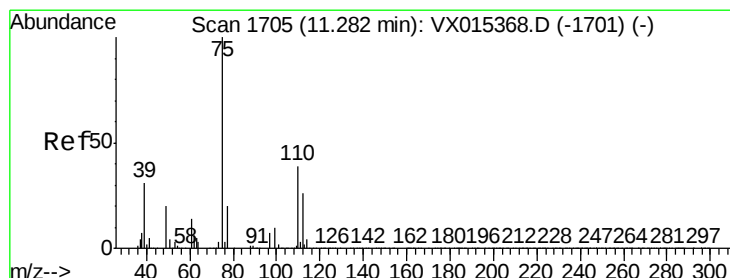
Ion 130.80 (130.50 to 131.50): VX015760.D (-1651) (-)

Ion 84.90 (84.60 to 85.60): VX015760.D (-1651) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.654 ug/l

RT: 11.28 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VX015760.D

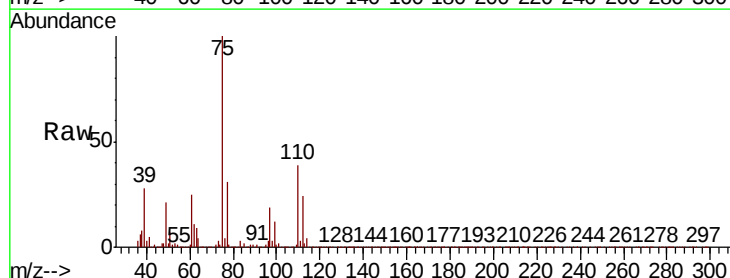
Acq: 20 Apr 2020 13:06

Tgt Ion: 75 Resp: 342243

Ion Ratio Lower Upper

75 100

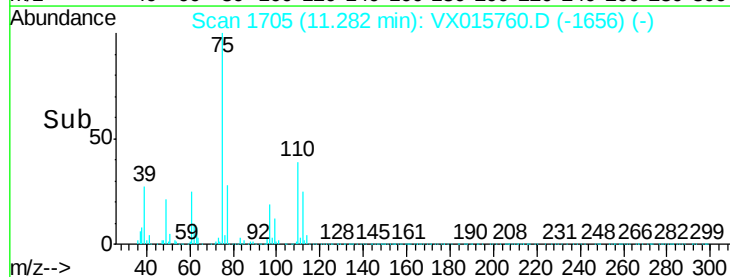
77 31.8 21.2 63.6



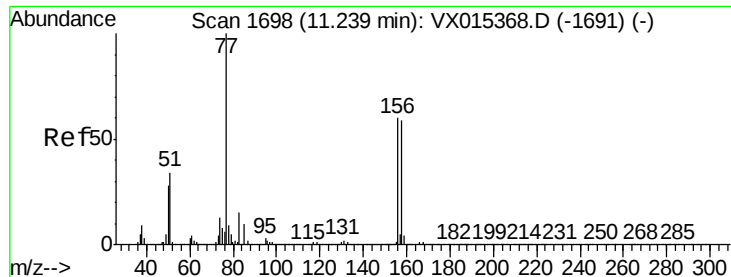
Abundance Ion 74.90 (74.60 to 75.60): VX015760.D (-1656) (-)

Ion 77.00 (76.70 to 77.70): VX015760.D (-1656) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 18.277 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

ClientSampleId :

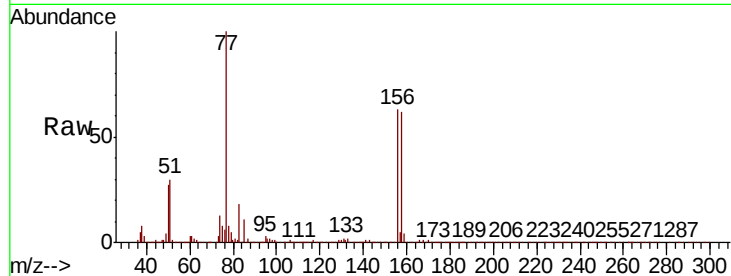
Tot Ion:156 Resp: 257395

Ion Ratio Lower Upper

156 100

77 152.7 82.2 246.5

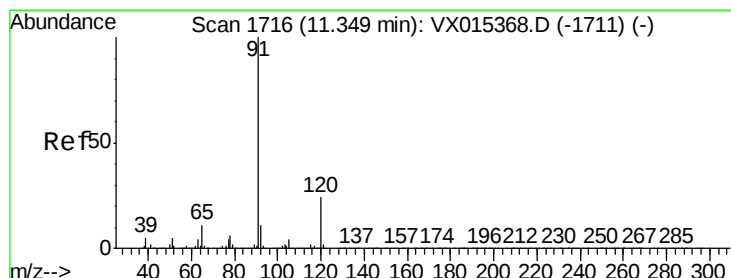
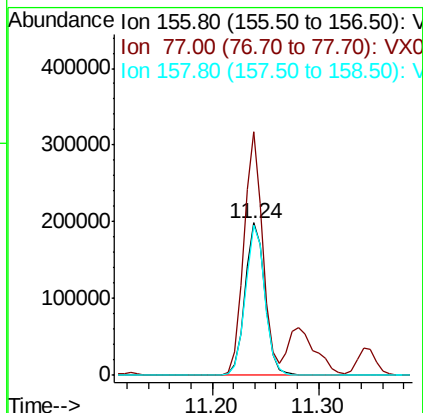
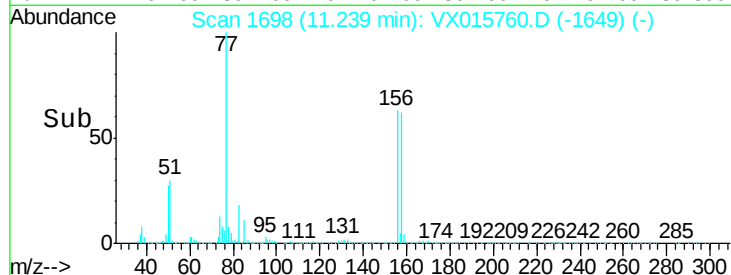
158 97.8 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.028 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.01 min

Lab File: VX015760.D

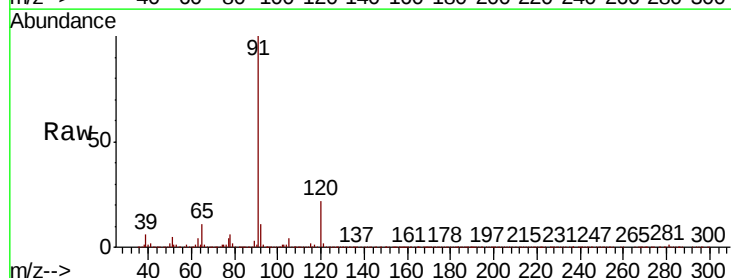
Acq: 20 Apr 2020 13:06

Tgt Ion: 91 Resp: 1088361

Ion Ratio Lower Upper

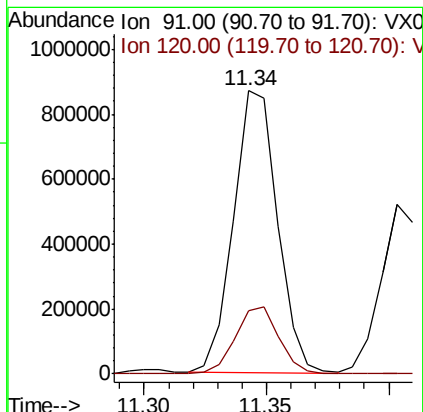
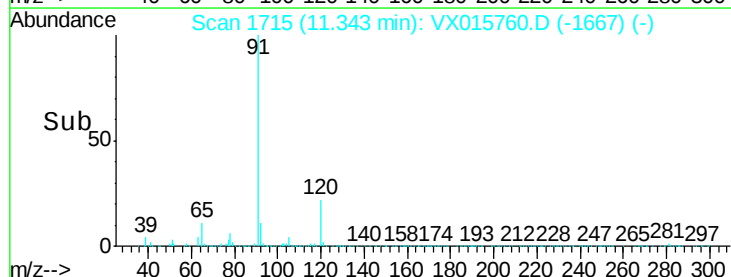
91 100

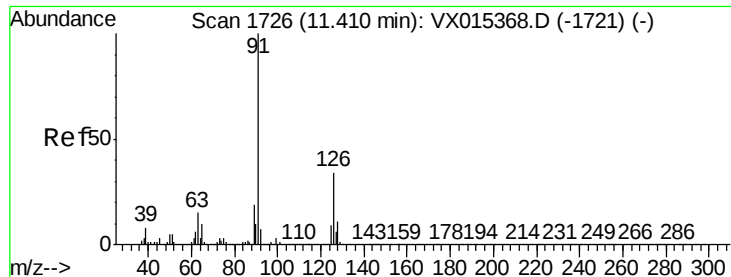
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.646 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

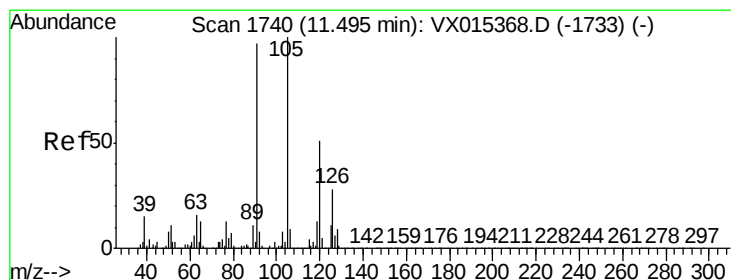
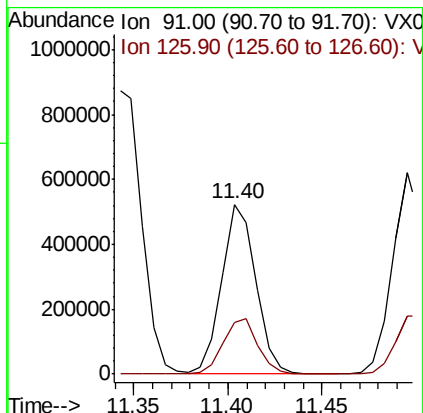
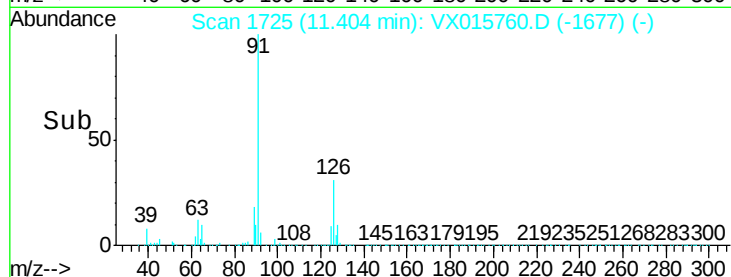
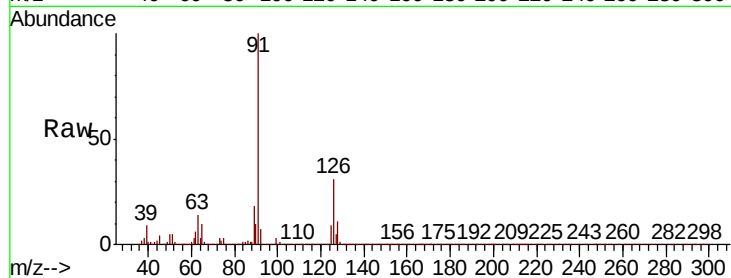
ClientSampleId :

Tot Ion: 91 Resp: 652960

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 18.055 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015760.D

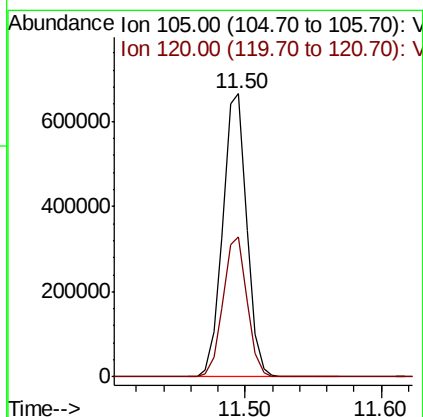
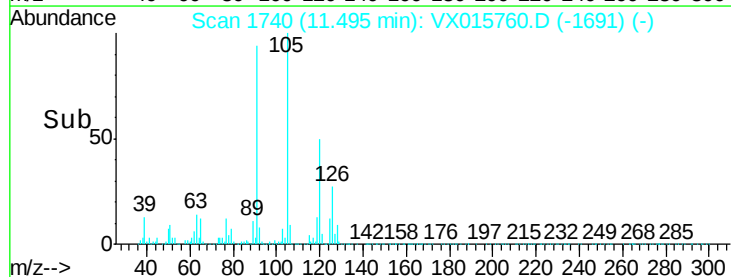
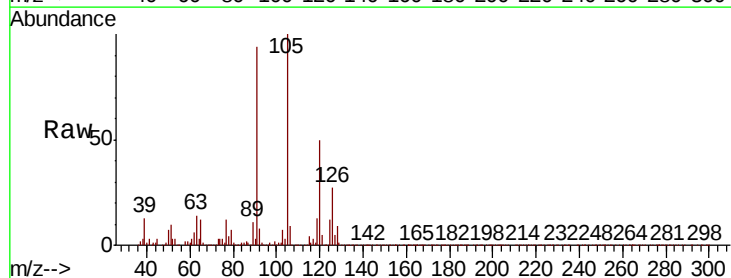
Acq: 20 Apr 2020 13:06

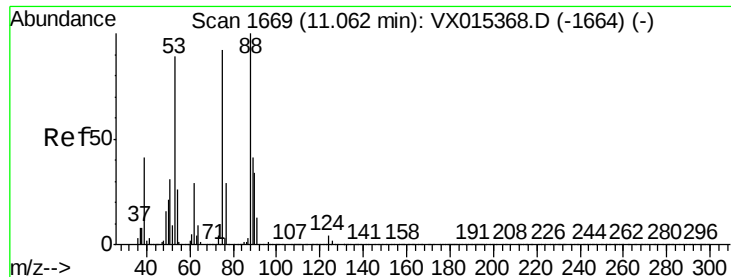
Tgt Ion: 105 Resp: 814126

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 13.754 ug/l

RT: 11.06 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

ClientSampleId :

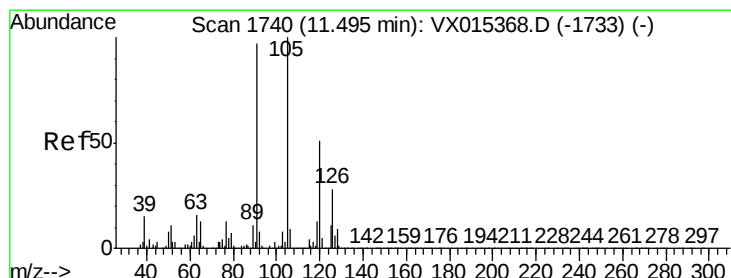
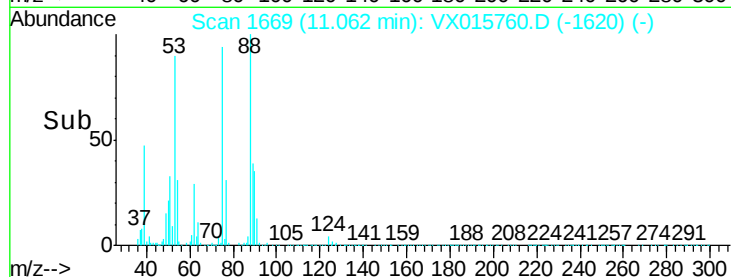
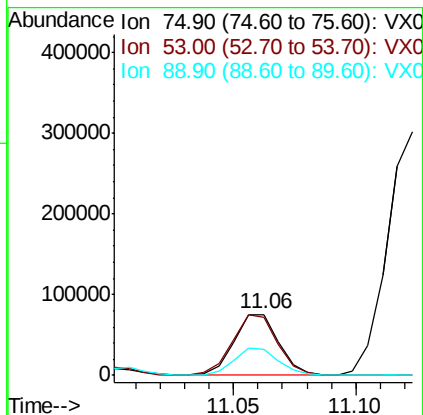
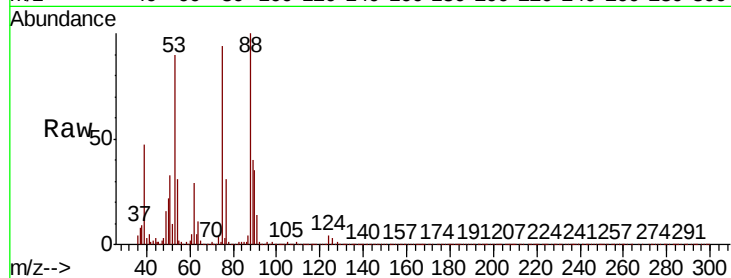
Tot Ion: 75 Resp: 94987

Ion Ratio Lower Upper

75 100

53 100.3 80.1 120.1

89 45.6 36.1 54.1



#82

4-Chlorotoluene

Concen: 17.613 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015760.D

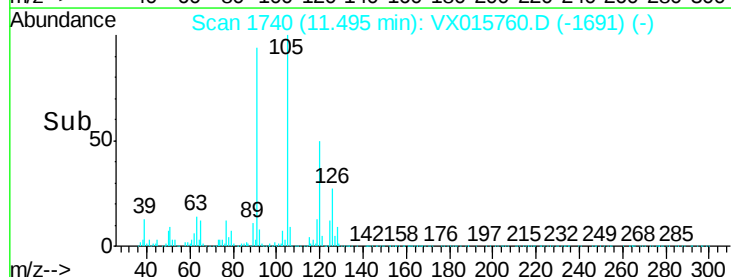
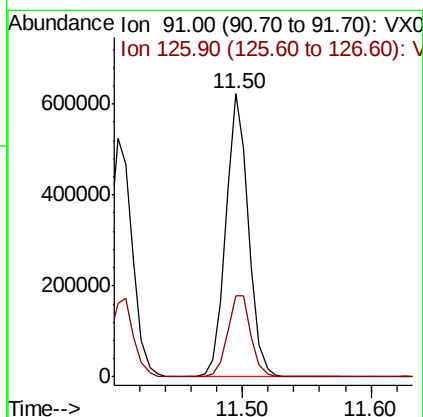
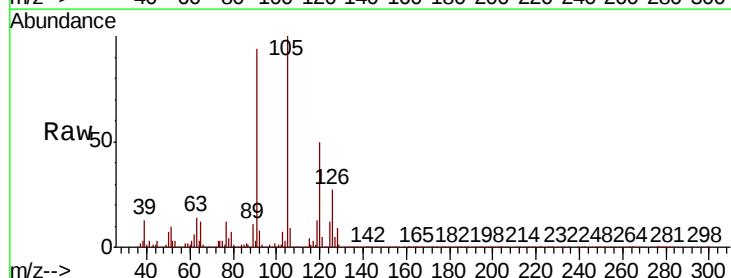
Acq: 20 Apr 2020 13:06

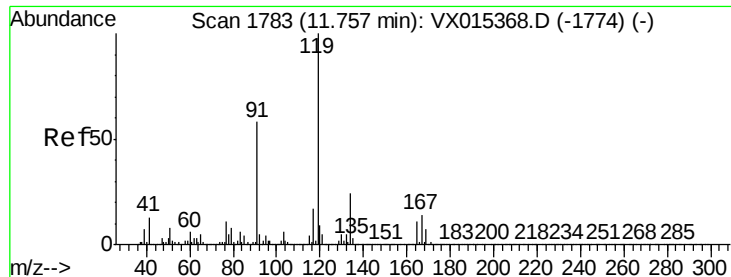
Tgt Ion: 91 Resp: 764044

Ion Ratio Lower Upper

91 100

126 29.9 14.7 44.1





#83

tert-Butylbenzene

Concen: 18.802 ug/l

RT: 11.76 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

ClientSampleId :

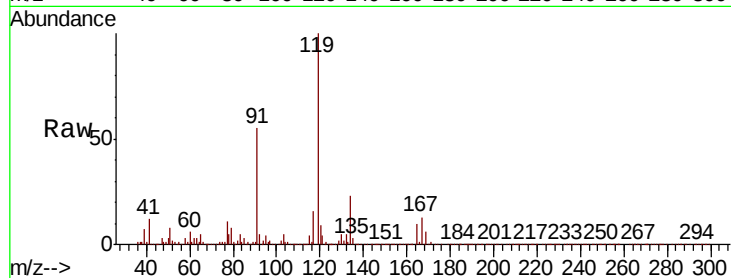
Tot Ion:119 Resp: 828108

Ion Ratio Lower Upper

119 100

91 53.4 28.6 85.8

134 22.9 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

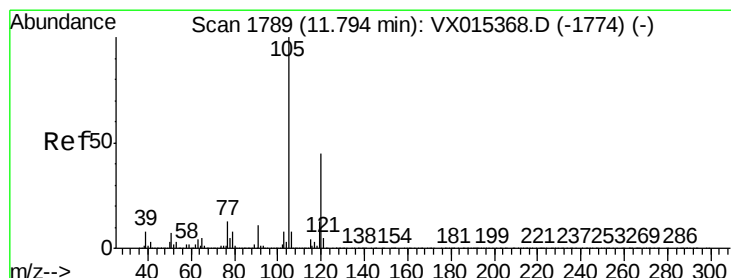
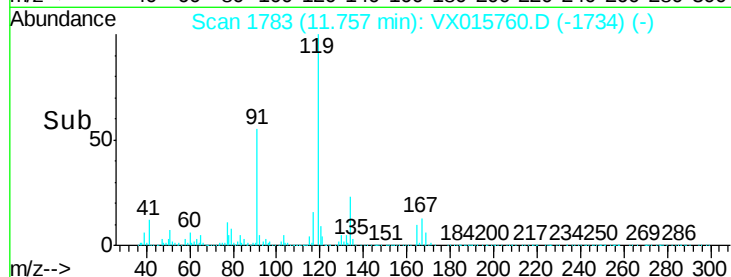
0

11.76

11.75

11.80

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 17.824 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015760.D

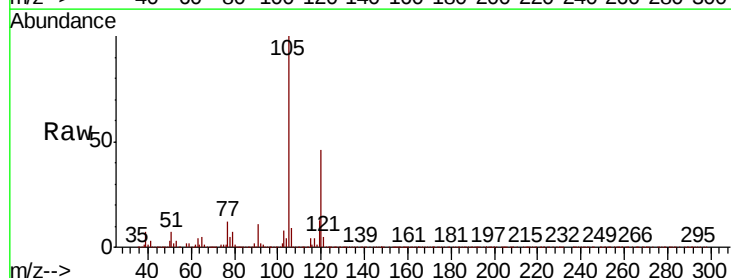
Acq: 20 Apr 2020 13:06

Tgt Ion:105 Resp: 819017

Ion Ratio Lower Upper

105 100

120 46.0 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

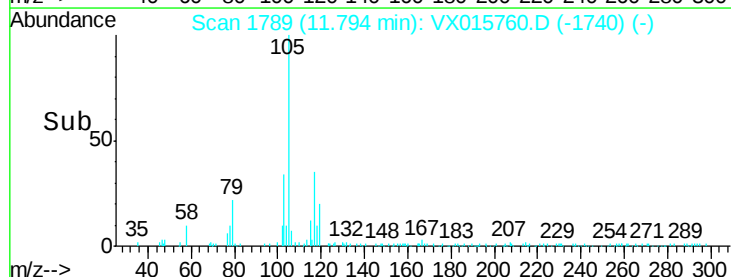
0

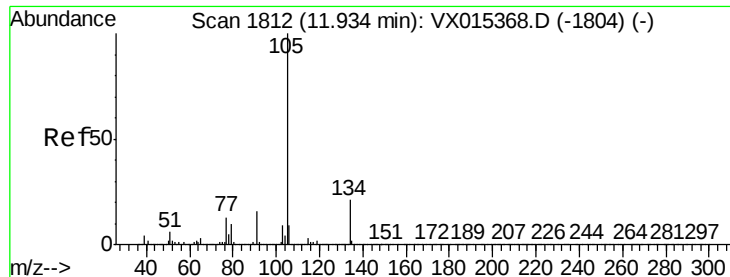
11.79

11.80

11.90

Time-->





#85

sec-Butylbenzene

Concen: 18.426 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

Instrument :

MSVOA\_X

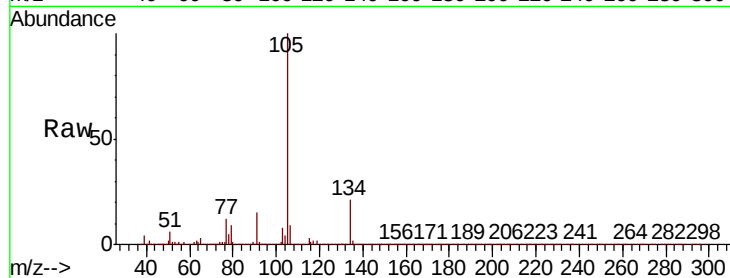
ClientSampleId :

Tot Ion:105 Resp: 938588

Ion Ratio Lower Upper

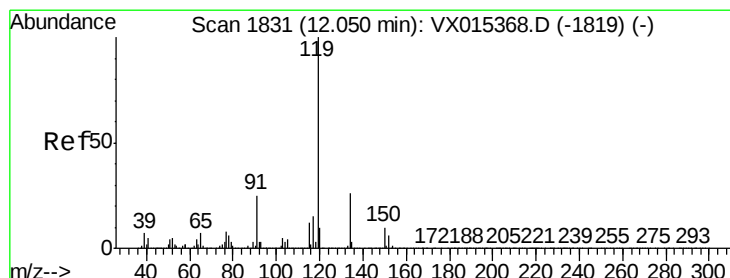
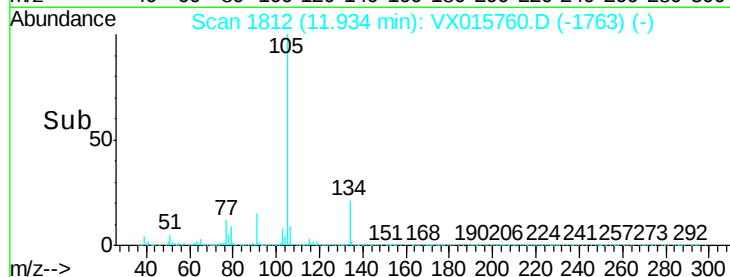
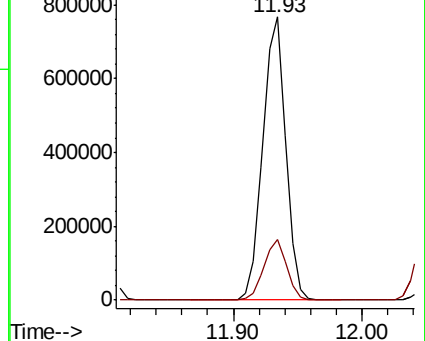
105 100

134 21.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.786 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015760.D

Acq: 20 Apr 2020 13:06

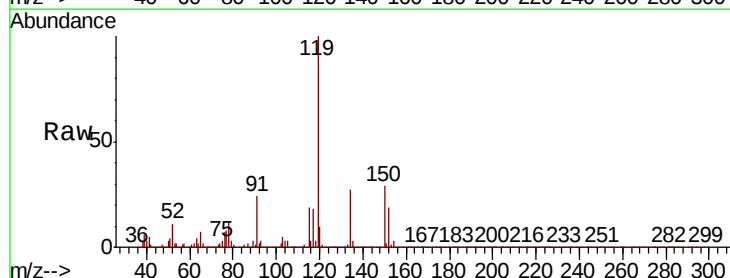
Tgt Ion:119 Resp: 888366

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

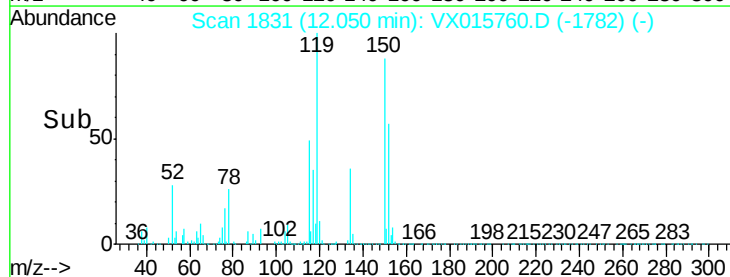
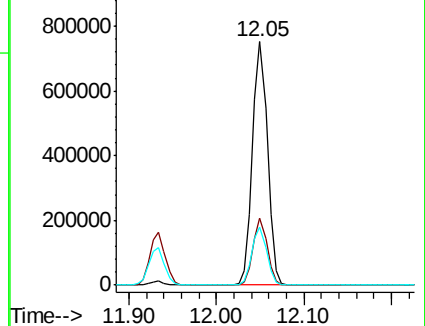
91 23.5 12.4 37.4

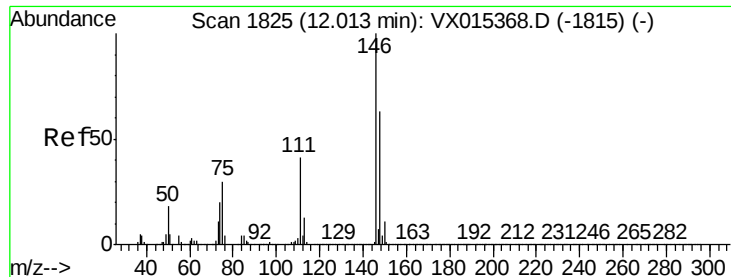


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

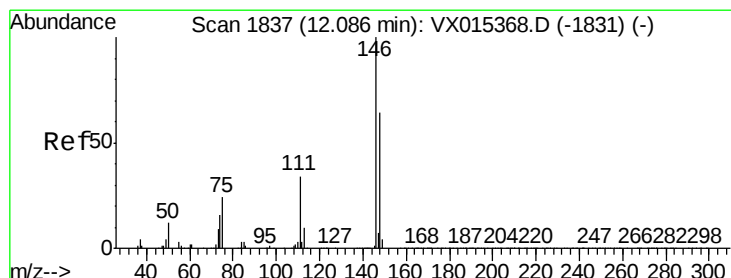
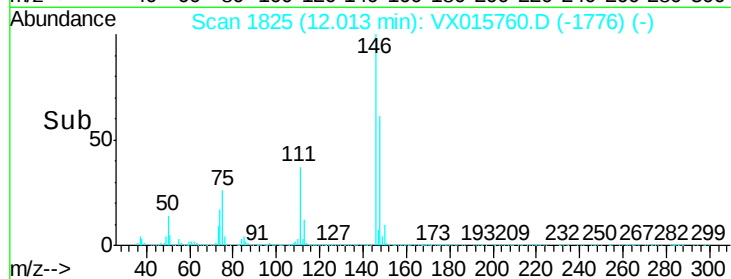
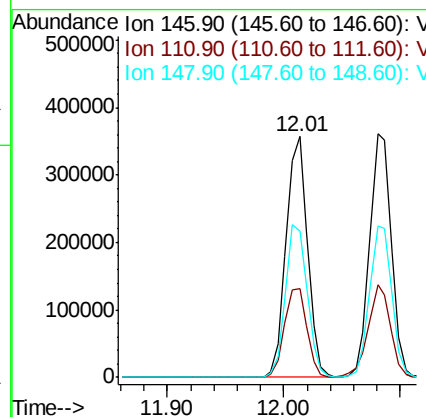
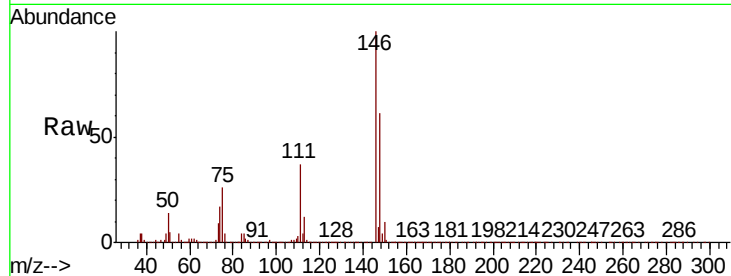




#87  
 1,3-Dichlorobenzene  
 Concen: 17.875 ug/l  
 RT: 12.01 min Scan# 1825  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

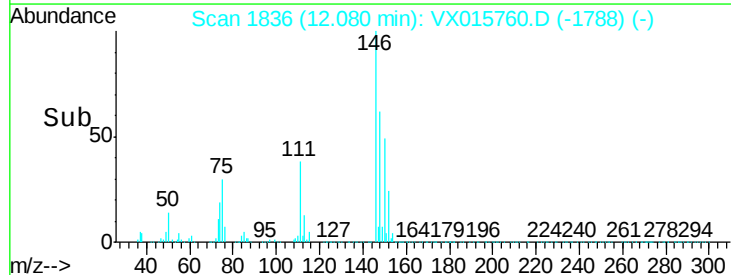
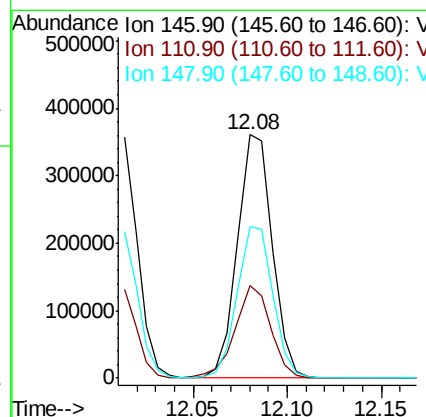
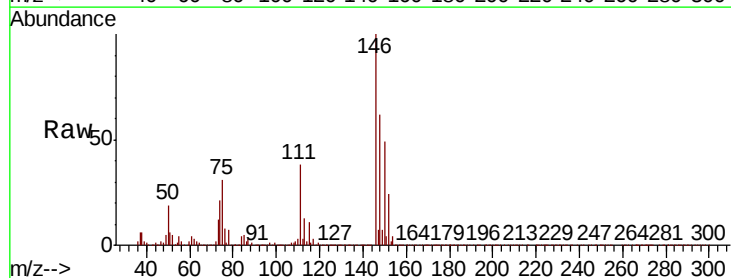
Instrument :  
 MSVOA\_X  
 ClientSampleId :

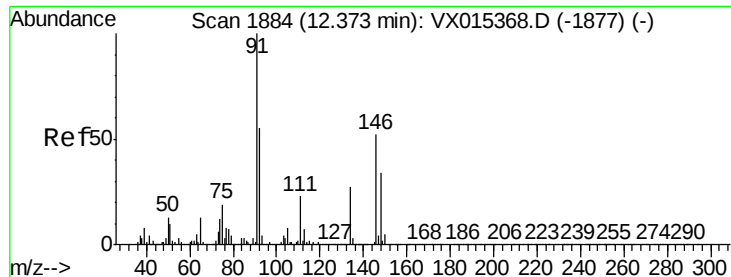
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 20.3  | 60.9  |
| 148     | 64.6  | 31.3  | 93.9  |



#88  
 1,4-Dichlorobenzene  
 Concen: 18.068 ug/l  
 RT: 12.08 min Scan# 1836  
 Delta R.T. -0.01 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.1  | 57.5  |
| 148     | 63.8  | 32.4  | 97.2  |

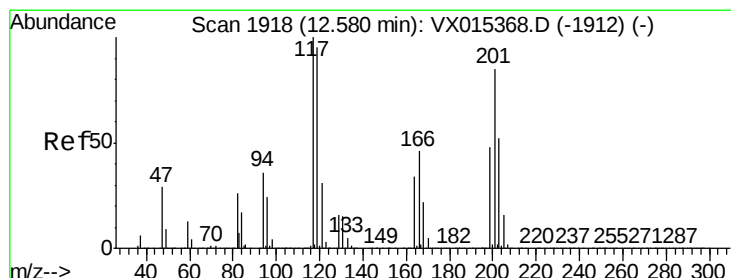
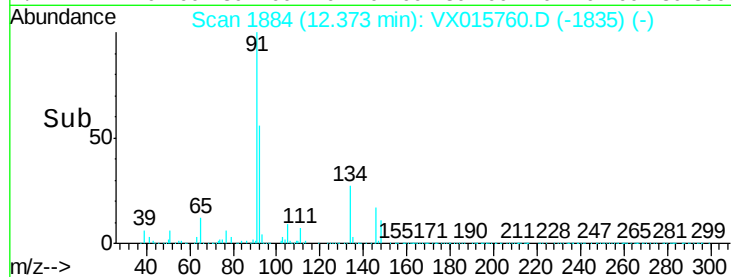
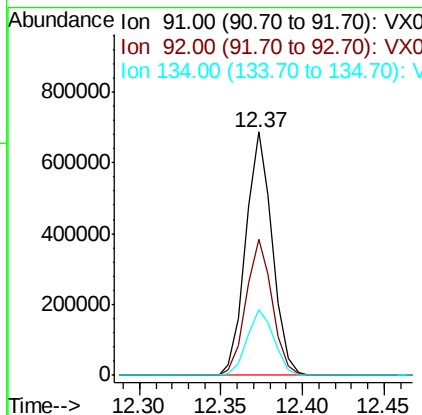
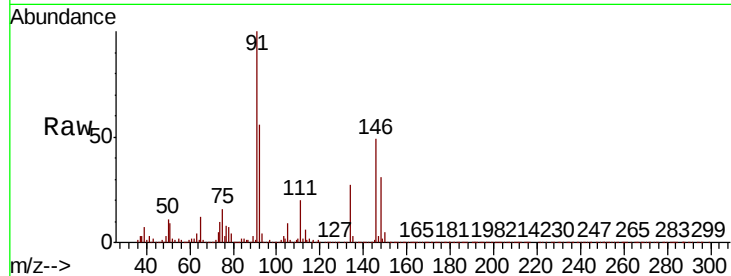




#89  
n-Butylbenzene  
Concen: 18.215 ug/l  
RT: 12.37 min Scan# 1884  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

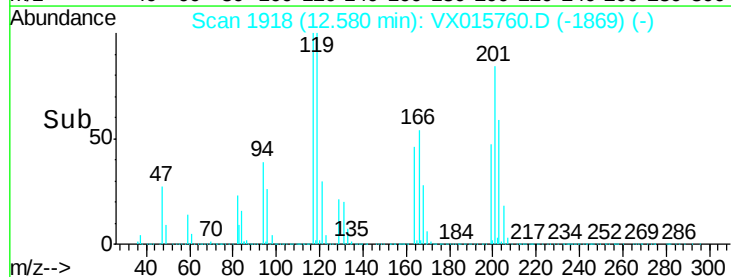
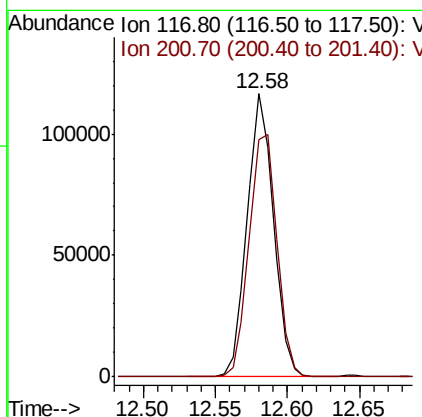
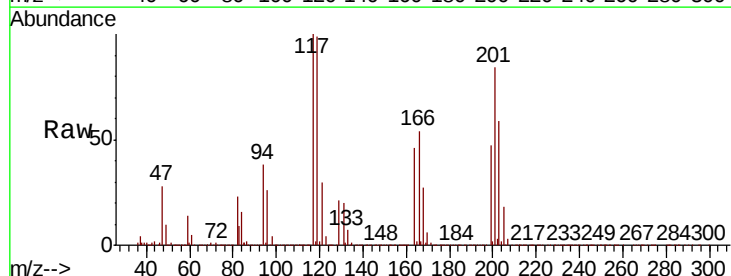
Instrument :  
MSVOA\_X  
ClientSampled :

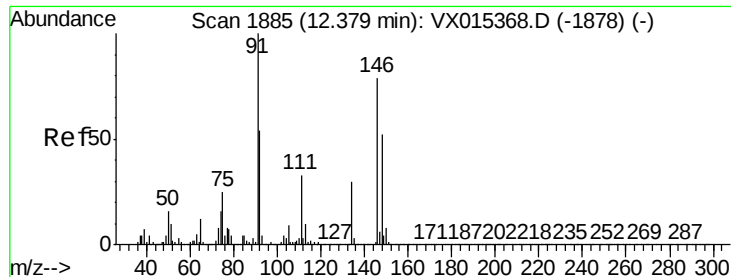
Tot Ion: 91 Resp: 778389  
Ion Ratio Lower Upper  
91 100  
92 55.4 27.2 81.5  
134 27.5 13.4 40.2



#90  
Hexachloroethane  
Concen: 16.001 ug/l  
RT: 12.58 min Scan# 1918  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion: 117 Resp: 147270  
Ion Ratio Lower Upper  
117 100  
201 90.9 42.6 128.0

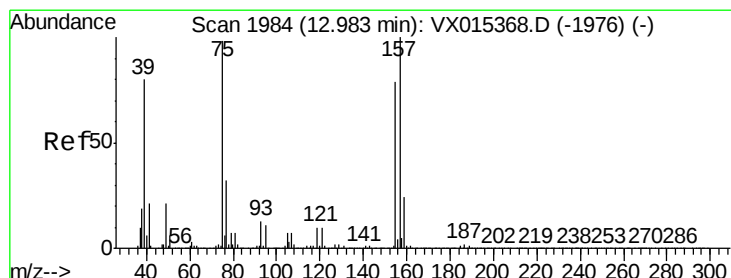
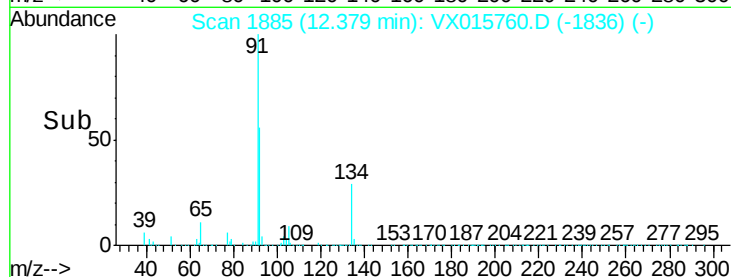
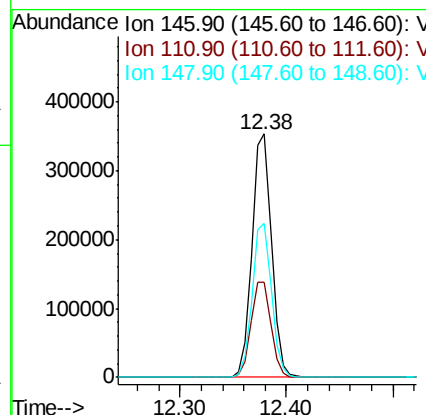
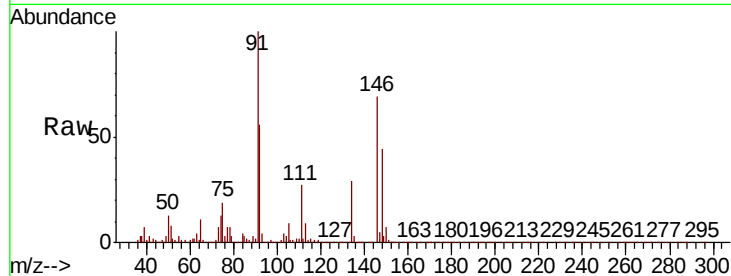




#91  
 1,2-Dichlorobenzene  
 Concen: 18.510 ug/l  
 RT: 12.38 min Scan# 1885  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

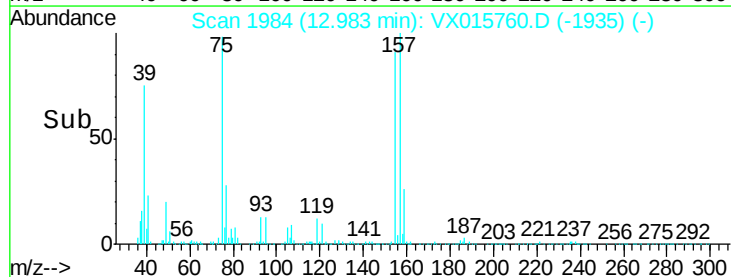
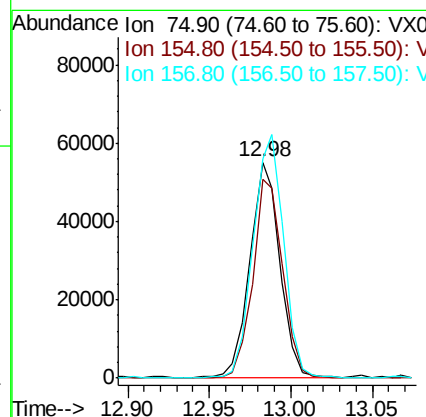
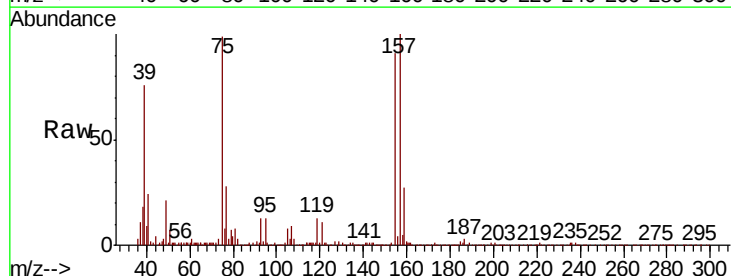
Instrument :  
 MSVOA\_X  
 ClientSampleId :

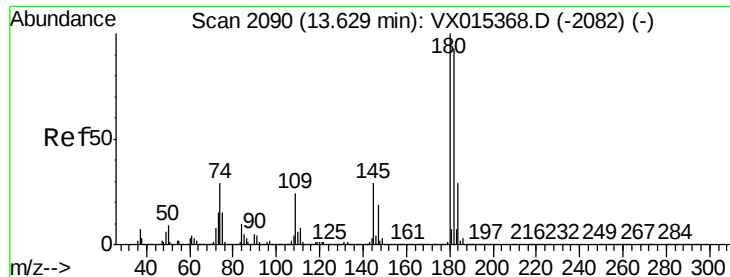
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 21.0  | 63.0  |
| 148     | 62.7  | 32.4  | 97.0  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 13.673 ug/l  
 RT: 12.98 min Scan# 1984  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.2  | 42.8  | 128.4 |
| 157     | 116.1 | 53.4  | 160.3 |

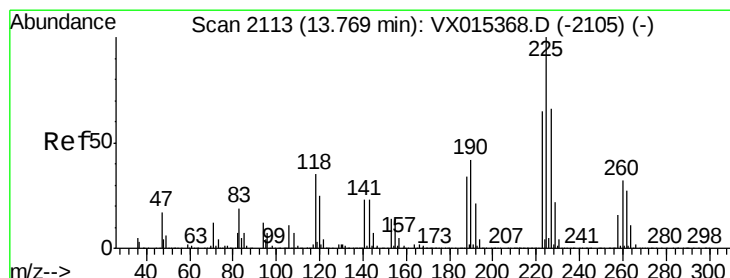
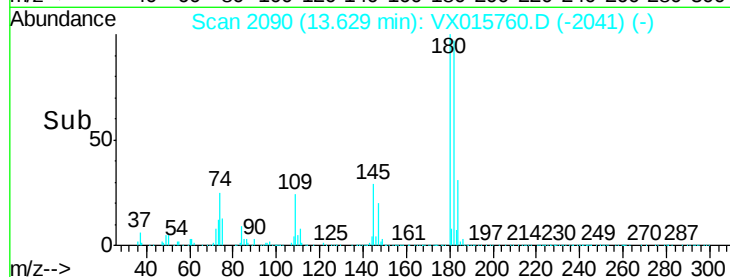
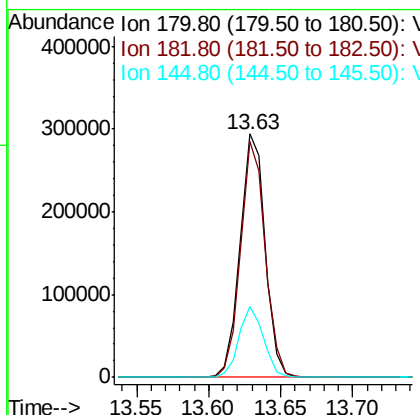
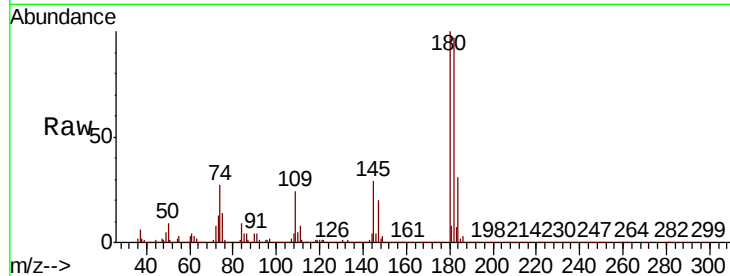




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.126 ug/l  
 RT: 13.63 min Scan# 2090  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

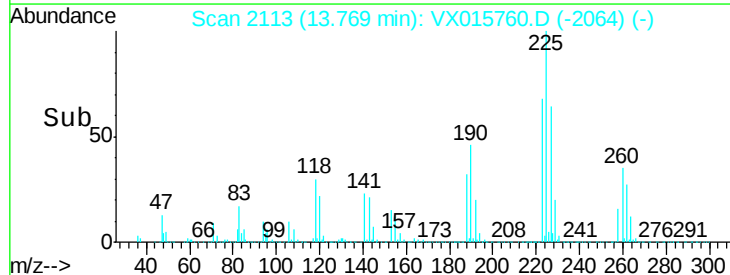
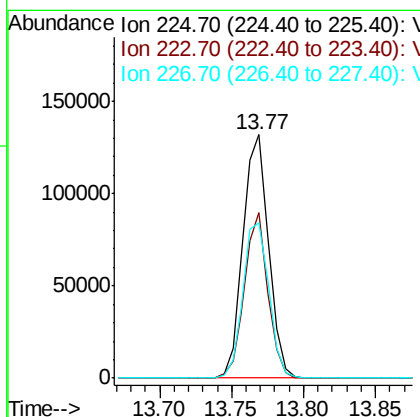
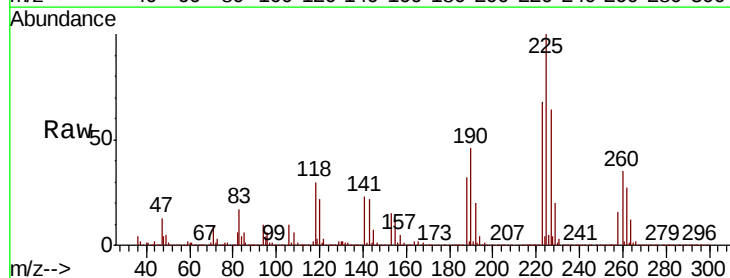
Instrument :  
 MSVOA\_X  
 ClientSampleId :

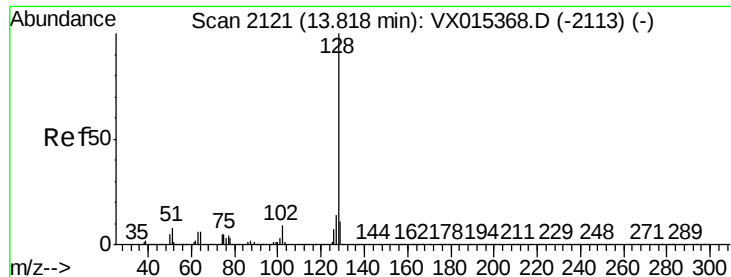
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 46.9  | 140.7 |
| 145     | 28.8  | 14.9  | 44.5  |



#94  
 Hexachlorobutadiene  
 Concen: 17.500 ug/l  
 RT: 13.77 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VX015760.D  
 Acq: 20 Apr 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.9  | 31.9  | 95.7  |
| 227     | 64.7  | 30.4  | 91.3  |

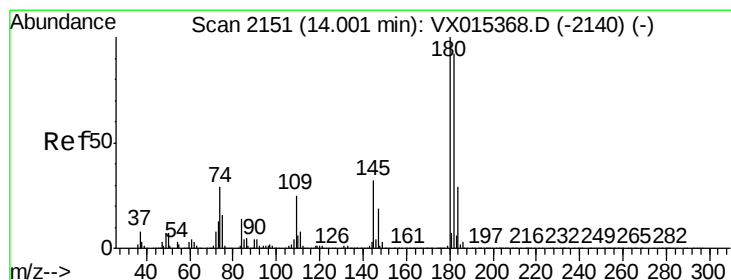
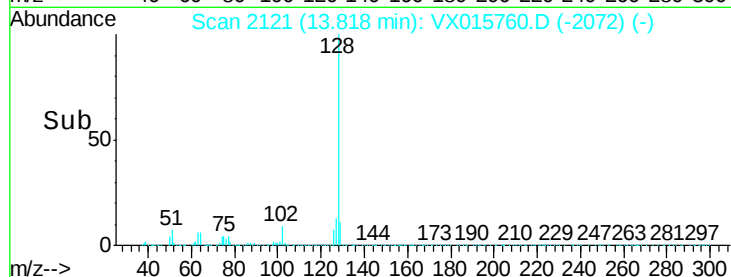
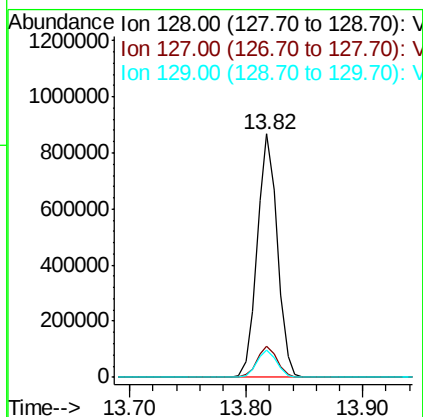
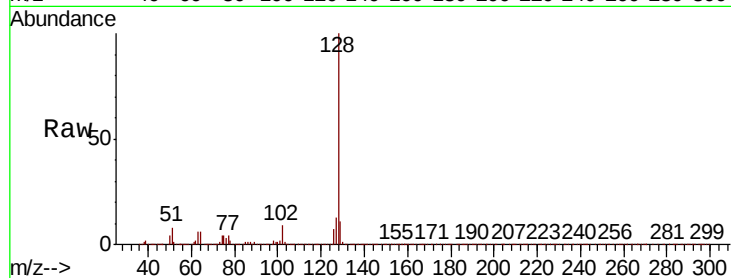




#95  
Naphthalene  
Concen: 17.536 ug/l  
RT: 13.82 min Scan# 2121  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:128 Resp: 1043945  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.6 15.8  
129 11.1 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 18.348 ug/l  
RT: 14.00 min Scan# 2151  
Delta R.T. 0.00 min  
Lab File: VX015760.D  
Acq: 20 Apr 2020 13:06

Tgt Ion:180 Resp: 344762  
Ion Ratio Lower Upper  
180 100  
182 95.8 46.7 140.0  
145 31.1 15.8 47.3

