

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041020\  
 Data File : VX015623.D  
 Acq On : 10 Apr 2020 15:56  
 Operator : JC/SP  
 Sample : L2209-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 11 00:31:49 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      | 5.64  | 168  | 1099763  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1735654  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1688356  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 943478   | 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   | 714076   | 46.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.08%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 528974   | 47.68 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.36%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 2083353  | 51.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.00% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 896145   | 53.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.96% |          |

| Target Compounds            | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-----------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane  | 1.19  | 85   | 4075     | 0.421     | ug/l   | 90     |
| 4) Vinyl Chloride           | 1.39  | 62   | 2837     | 0.250     | ug/l # | 84     |
| 5) Bromomethane             | 1.65  | 94   | 2374     | Below Cal | #      | 55     |
| 6) Chloroethane             | 1.72  | 64   | 4422     | 0.629     | ug/l # | 88     |
| 8) Diethyl Ether            | 2.17  | 74   | 61627    | 9.616     | ug/l   | 95     |
| 11) Tert butyl alcohol      | 3.00  | 59   | 1191204  | 320.851   | ug/l   | 99     |
| 14) Allyl chloride          | 2.69  | 41   | 13413    | 0.553     | ug/l # | 51     |
| 16) Acetone                 | 2.42  | 43   | 54534    | 8.184     | ug/l   | 97     |
| 18) Methyl Acetate          | 3.00  | 43   | 176534   | 10.379    | ug/l # | 56     |
| 19) Methyl tert-butyl Ether | 3.17  | 73   | 41220    | 1.024     | ug/l   | 95     |
| 24) 1,1-Dichloroethane      | 3.67  | 63   | 11074    | 0.489     | ug/l # | 94     |
| 25) 2-Butanone              | 4.65  | 43   | 83642    | 7.805     | ug/l # | 71     |
| 26) 2,2-Dichloropropane     | 4.65  | 77   | 97150    | 5.229     | ug/l # | 54     |
| 29) Tetrahydrofuran         | 5.09  | 42   | 1400049  | 203.212   | ug/l   | 99     |
| 36) 1,1-Dichloropropene     | 5.64  | 75   | 86689    | 5.421     | ug/l # | 51     |
| 37) Ethyl Acetate           | 4.76  | 43   | 4814     | 0.231     | ug/l # | 78     |
| 38) Carbon Tetrachloride    | 5.64  | 117  | 105651   | 6.100     | ug/l # | 14     |
| 40) Benzene                 | 6.12  | 78   | 129121   | 2.756     | ug/l   | 92     |
| 41) Methacrylonitrile       | 5.09  | 41   | 801892   | 69.373    | ug/l # | 51     |
| 43) Isopropyl Acetate       | 6.42  | 43   | 17342    | 0.493     | ug/l # | 76     |
| 49) 1,4-Dioxane             | 7.72  | 88   | 91172    | 278.356   | ug/l   | 98     |
| 51) 4-Methyl-2-Pentanone    | 8.59  | 43   | 31310    | 1.572     | ug/l # | 38     |
| 52) Toluene                 | 8.76  | 92   | 47898    | 1.658     | ug/l   | 89     |
| 59) 2-Hexanone              | 9.60  | 43   | 8531     | 0.567     | ug/l   | 94     |
| 65) Chlorobenzene           | 10.12 | 112  | 427969   | 12.710    | ug/l   | 94     |
| 67) Ethyl Benzene           | 10.24 | 91   | 524249   | 8.779     | ug/l   | 100    |
| 68) m/p-Xylenes             | 10.34 | 106  | 91821    | 4.129     | ug/l   | 97     |
| 69) o-Xylene                | 10.68 | 106  | 78882    | 3.590     | ug/l   | 99     |
| 70) Styrene                 | 10.70 | 104  | 12508    | 0.323     | ug/l # | 7      |
| 73) Isopropylbenzene        | 11.01 | 105  | 85297    | 1.380     | ug/l   | 99     |
| 74) N-amyl acetate          | 10.93 | 43   | 16112    | 0.469     | ug/l # | 53     |
| 76) 1,2,3-Trichloropropane  | 11.12 | 75   | 468130   | 24.128    | ug/l # | 35     |
| 78) n-propylbenzene         | 11.34 | 91   | 56631    | 0.801     | ug/l   | 97     |
| 79) 2-Chlorotoluene         | 11.40 | 91   | 36778    | 0.849     | ug/l   | 93     |

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 Sample : L2209-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 11 00:31:49 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

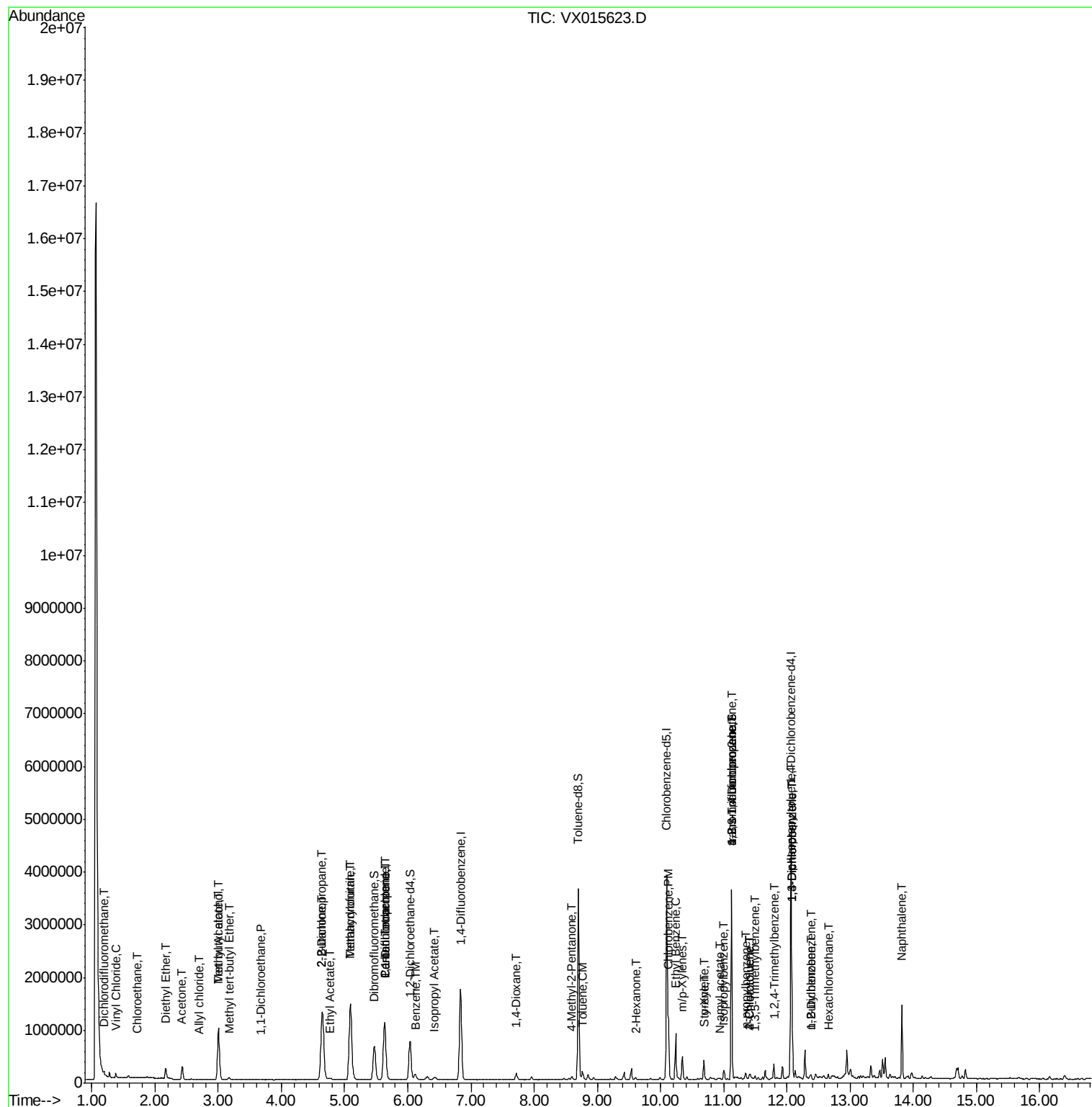
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 22705    | 0.430  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 468130   | 57.894 | ug/l # | 10       |
| 82) 4-Chlorotoluene            | 11.40 | 91   | 36778    | 0.724  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 119813   | 2.227  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 20944    | 0.378  | ug/l   | 85       |
| 87) 1,3-Dichlorobenzene        | 12.08 | 146  | 287098   | 9.726  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 287098   | 9.548  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.37 | 91   | 12453    | 0.249  | ug/l # | 66       |
| 90) Hexachloroethane           | 12.65 | 117  | 4704     | 0.436  | ug/l # | 17       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 19011    | 0.658  | ug/l   | 97       |
| 95) Naphthalene                | 13.82 | 128  | 807151   | 11.580 | ug/l   | 100      |

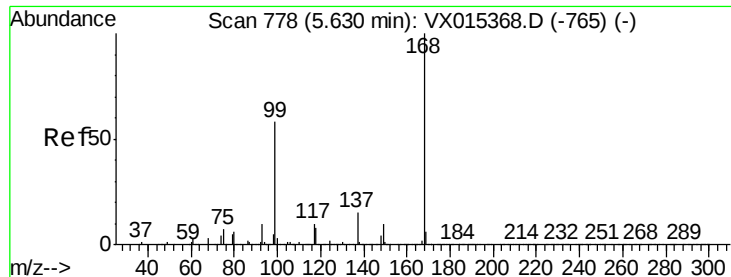
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Quant Time: Apr 11 00:31:49 2020  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 27 09:35:51 2020  
Response via : Initial Calibration

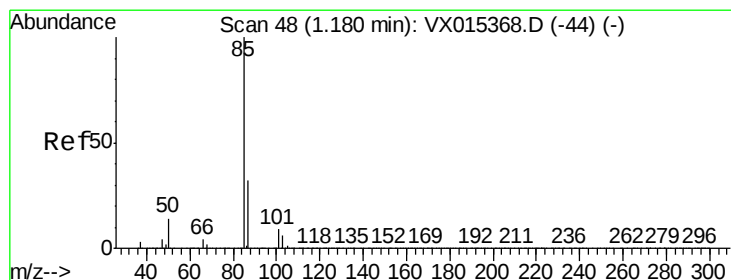
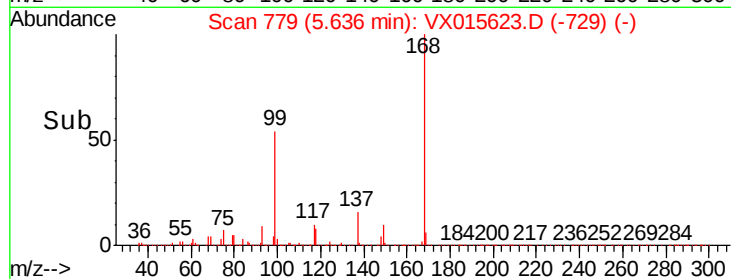
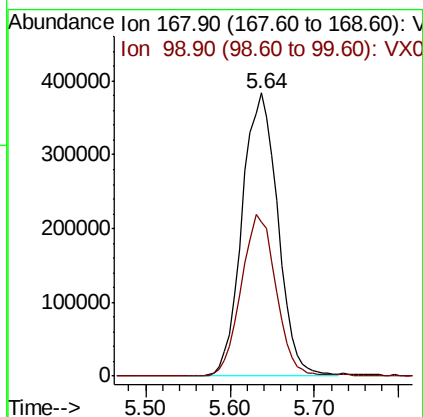
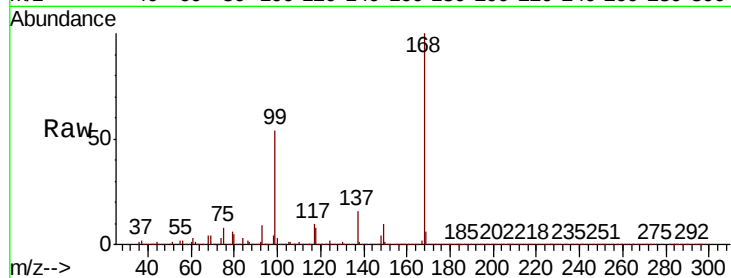




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.64 min Scan# 779  
Delta R.T. 0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

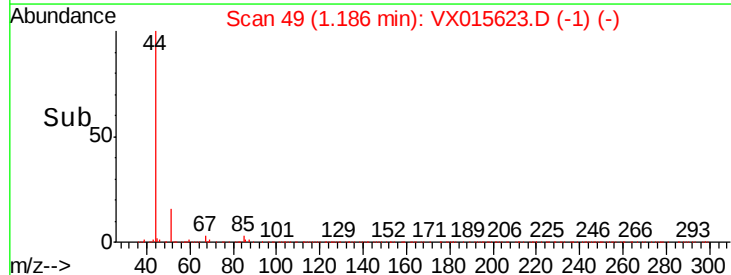
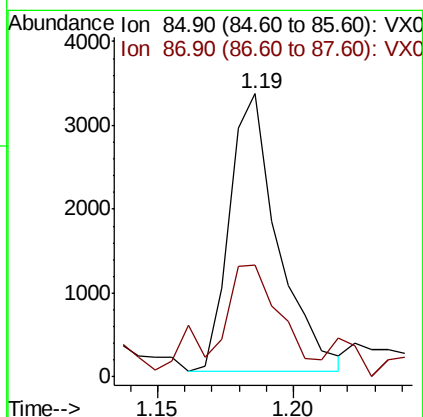
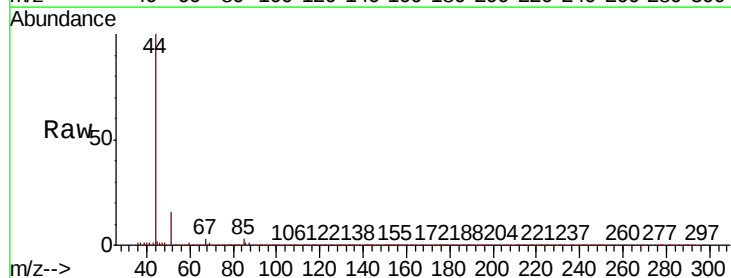
Instrument :  
MSVOA\_X  
ClientSampled :

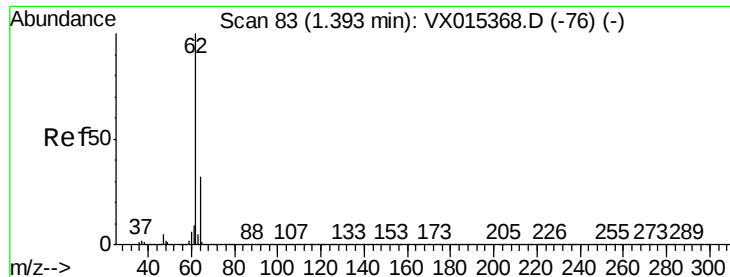
Tot Ion:168 Resp: 1099763  
Ion Ratio Lower Upper  
168 100  
99 54.2 46.4 69.6



#2  
Dichlorodifluoromethane  
Concen: 0.421 ug/l  
RT: 1.19 min Scan# 49  
Delta R.T. 0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 85 Resp: 4075  
Ion Ratio Lower Upper  
85 100  
87 26.6 16.0 47.9





#4

Vinyl Chloride

Concen: 0.250 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

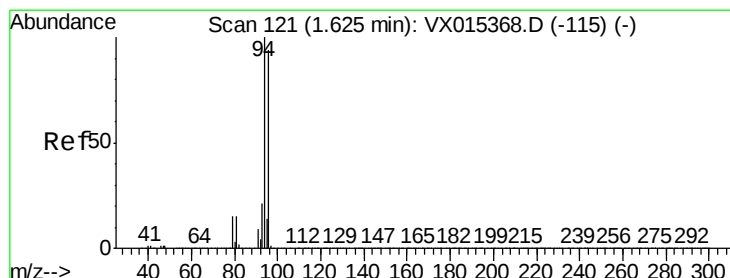
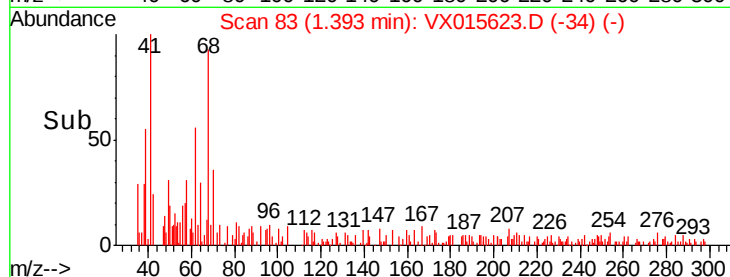
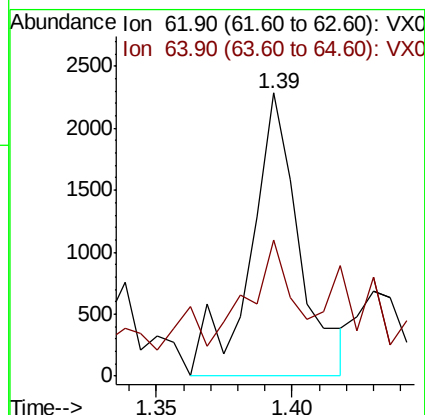
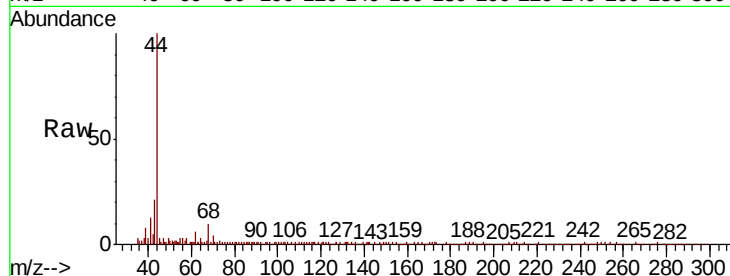
ClientSampleId :

Tot Ion: 62 Resp: 2837

Ion Ratio Lower Upper

62 100

64 23.4 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX015623.D

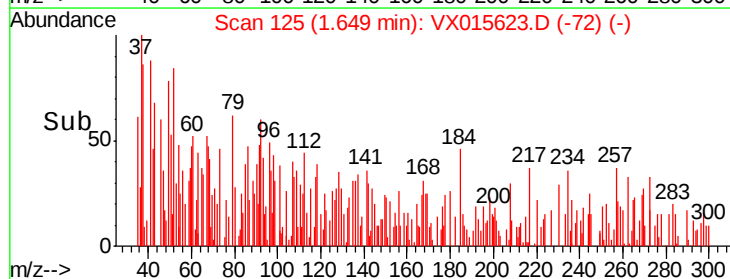
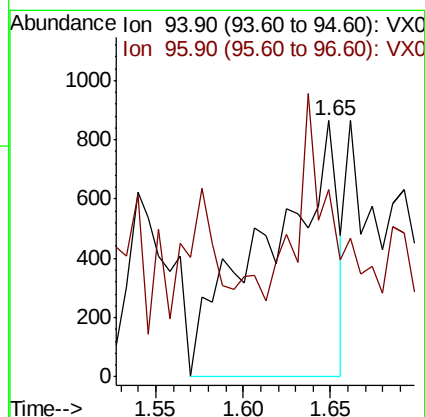
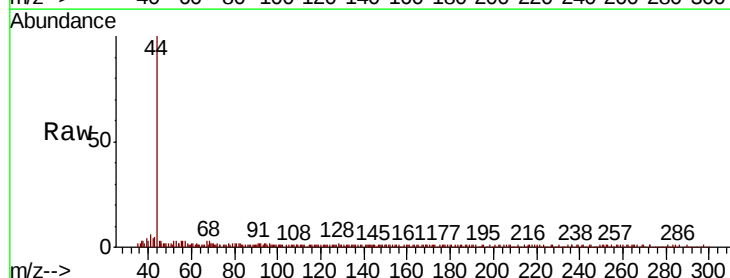
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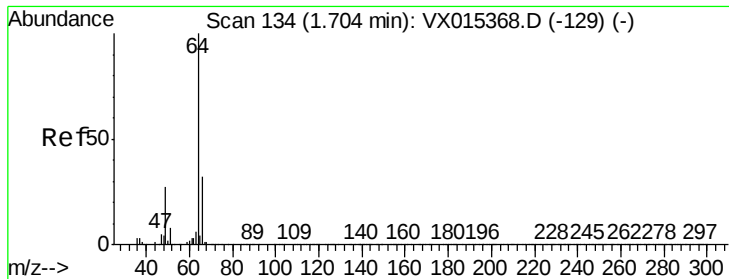
Tgt Ion: 94 Resp: 2374

Ion Ratio Lower Upper

94 100

96 50.4 74.8 112.2#





#6

Chloroethane

Concen: 0.629 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

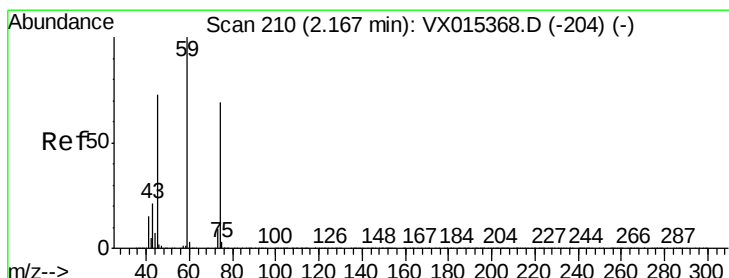
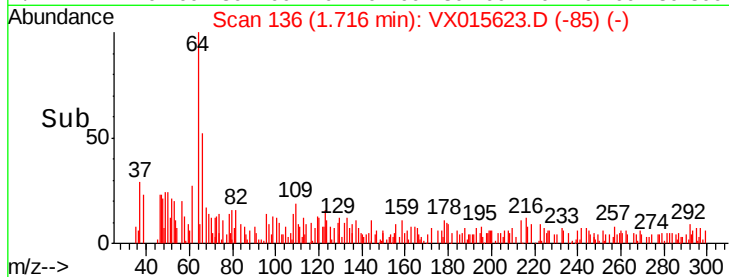
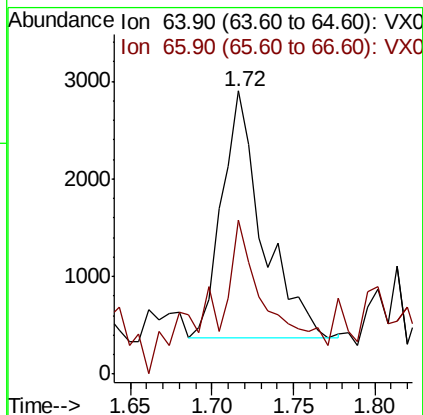
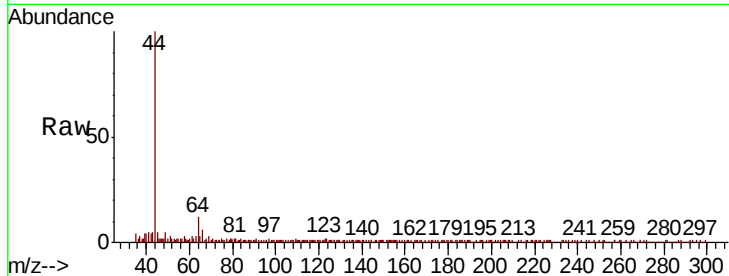
ClientSampleId :

Tot Ion: 64 Resp: 4422

Ion Ratio Lower Upper

64 100

66 38.2 25.4 38.2#



#8

Diethyl Ether

Concen: 9.616 ug/l

RT: 2.17 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015623.D

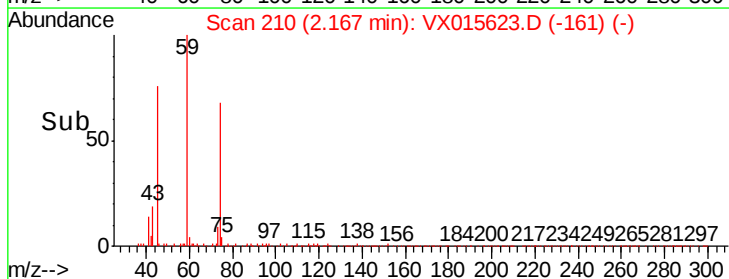
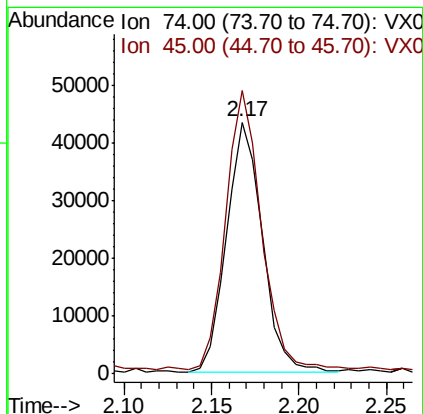
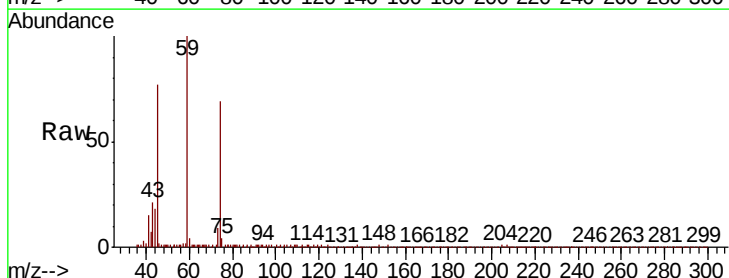
Acq: 10 Apr 2020 15:56

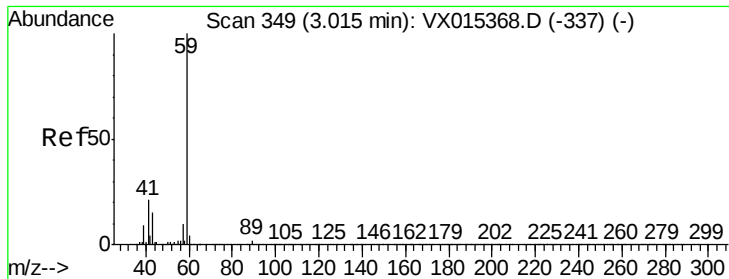
Tgt Ion: 74 Resp: 61627

Ion Ratio Lower Upper

74 100

45 112.5 53.8 161.4

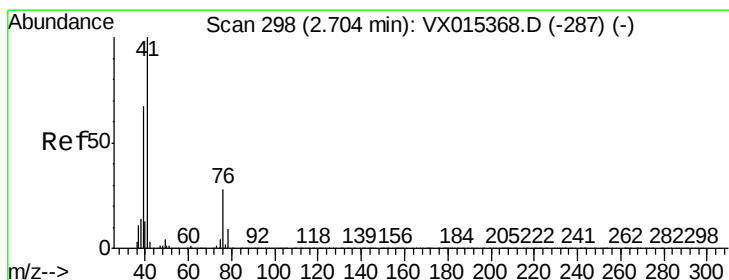
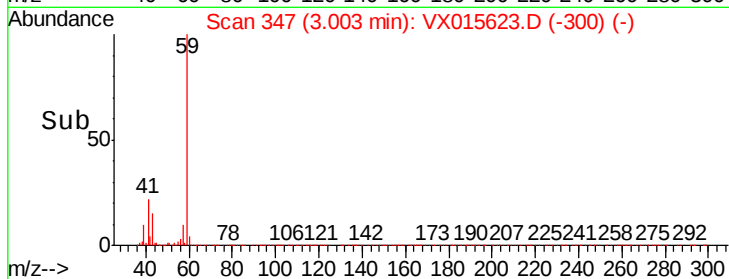
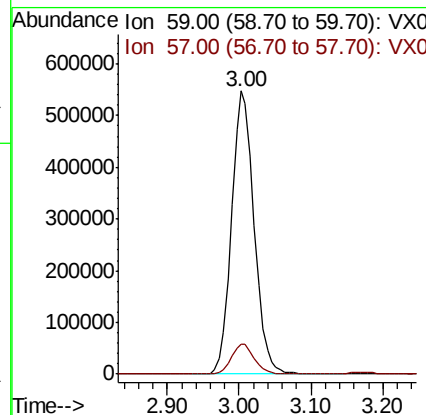
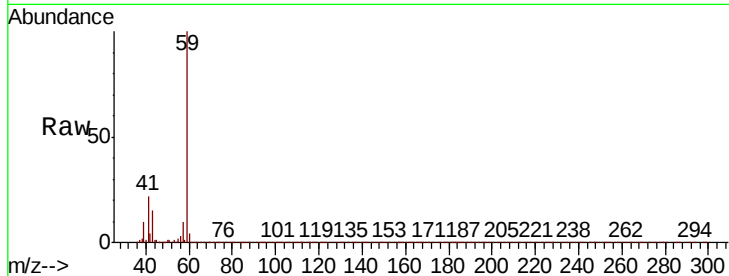




#11  
Tert butyl alcohol  
Concen: 320.851 ug/l  
RT: 3.00 min Scan# 347  
Delta R.T. -0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

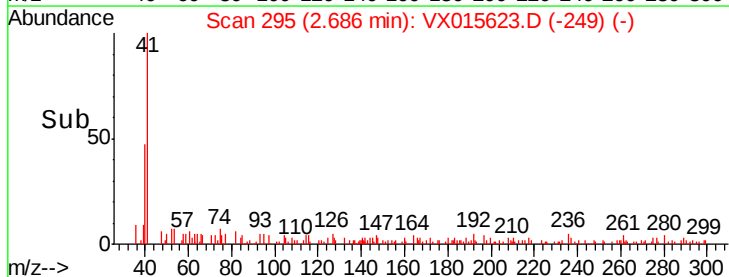
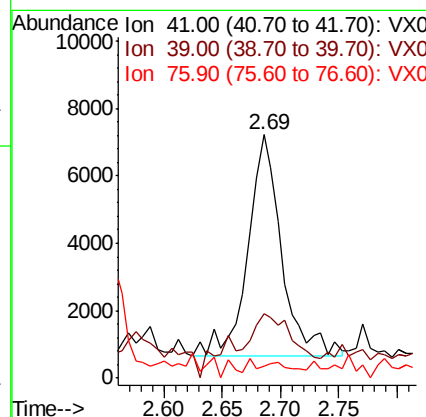
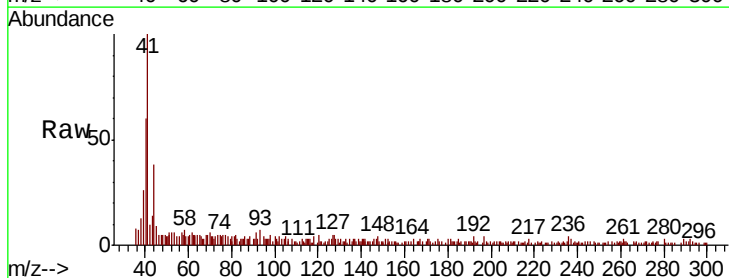
Instrument :  
MSVOA\_X  
ClientSampleId :

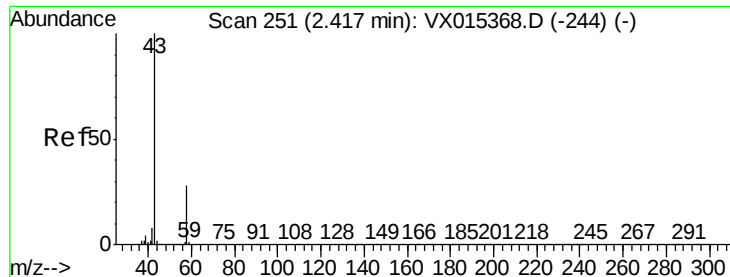
Tot Ion: 59 Resp: 1191204  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.1 12.1



#14  
Allyl chloride  
Concen: 0.553 ug/l  
RT: 2.69 min Scan# 295  
Delta R.T. -0.02 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 41 Resp: 13413  
Ion Ratio Lower Upper  
41 100  
39 25.8 51.4 77.0#  
76 1.5 21.8 32.8#

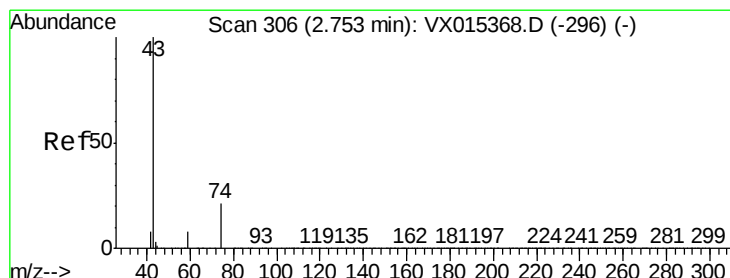
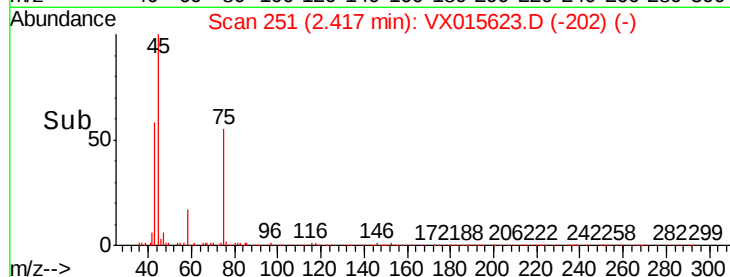
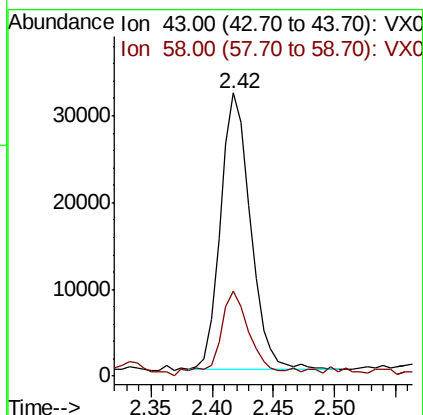
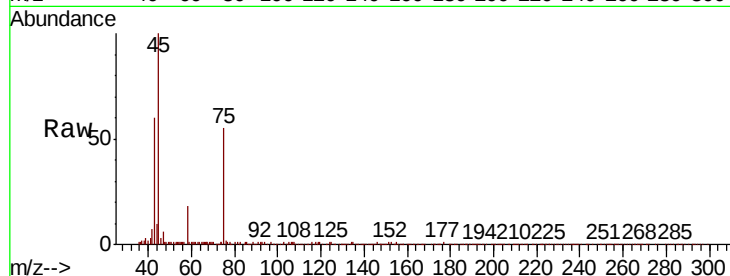




#16  
Acetone  
Concen: 8.184 ug/l  
RT: 2.42 min Scan# 251  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

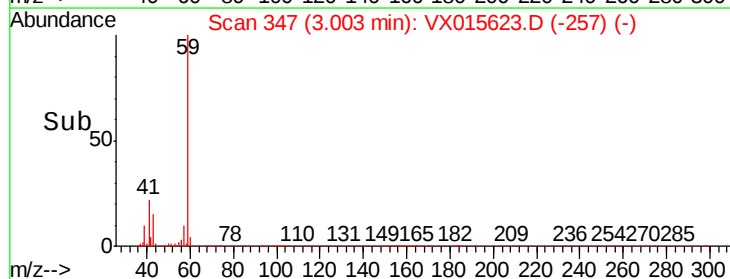
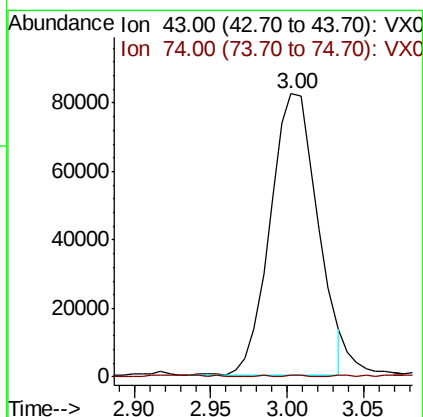
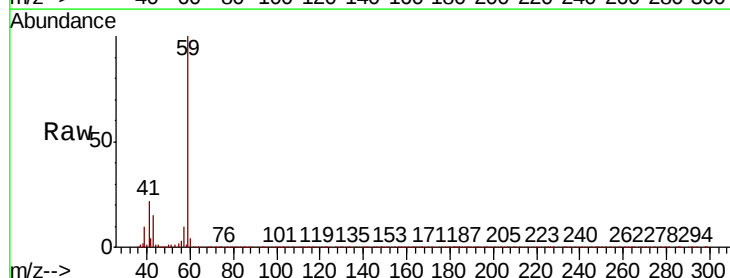
Instrument :  
MSVOA\_X  
ClientSampleId :

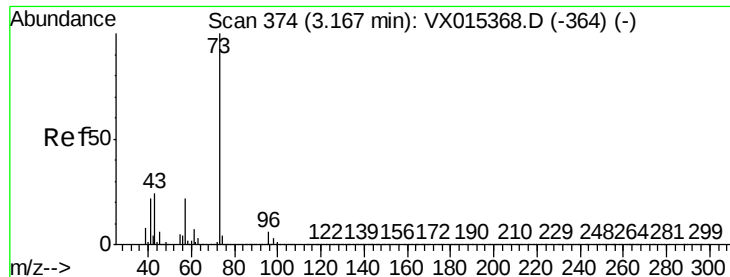
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Ion Ratio Lower Upper  
43 100  
58 29.1 22.1 33.1



#18  
Methyl Acetate  
Concen: 10.379 ug/l  
RT: 3.00 min Scan# 347  
Delta R.T. 0.25 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 43 Resp: 176534  
Ion Ratio Lower Upper  
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74 0.3 16.5 24.7#

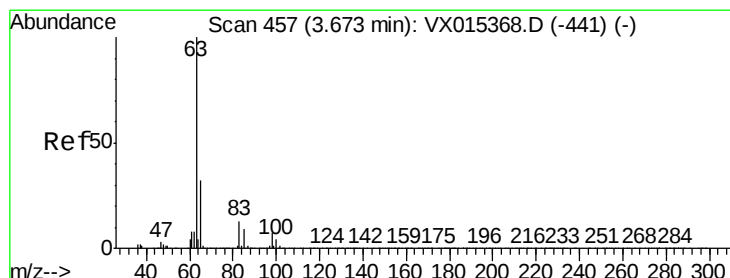
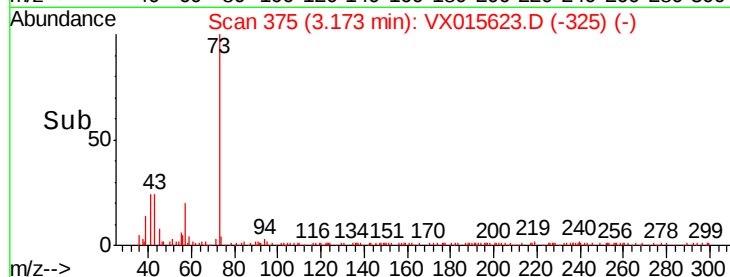
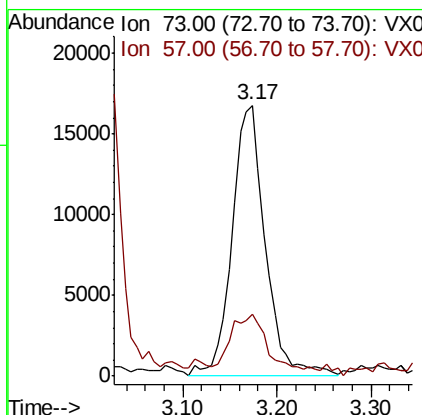
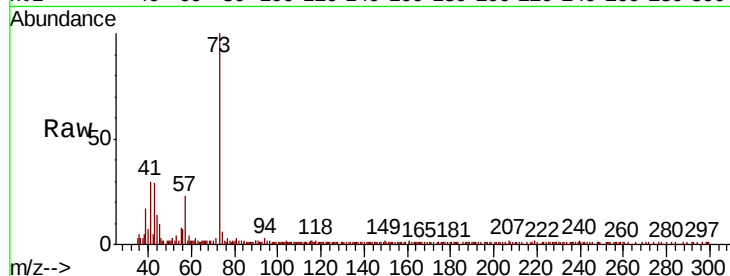




#19  
Methvl tert-butvl Ether  
Concen: 1.024 ug/l  
RT: 3.17 min Scan# 375  
Delta R.T. 0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

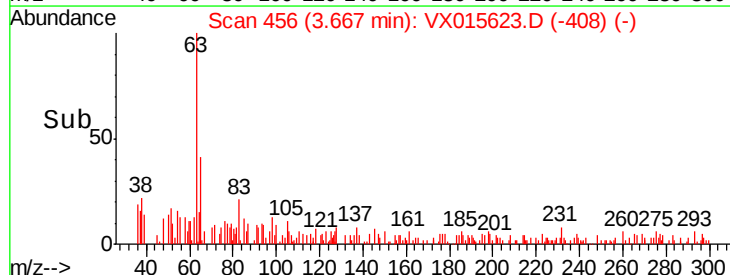
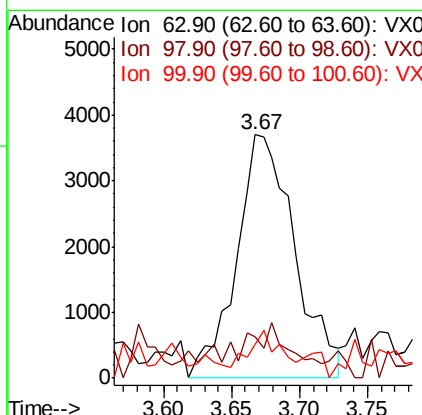
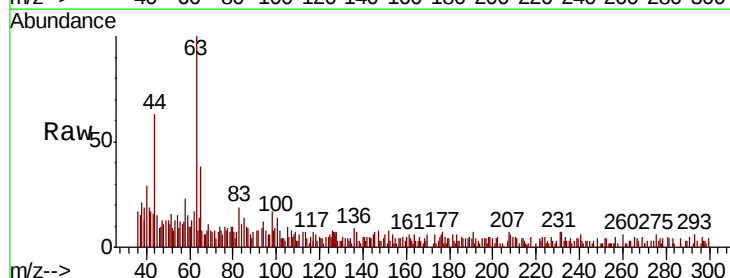
Instrument :  
MSVOA\_X  
ClientSampleId :

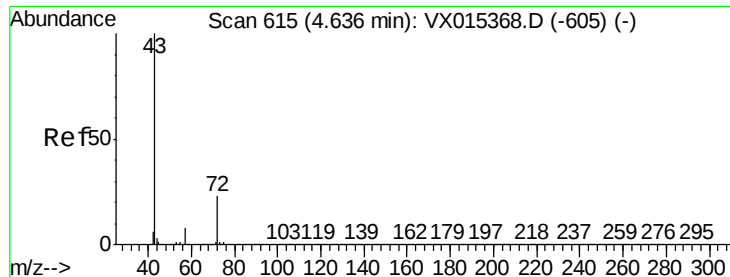
Tot Ion: 73 Resp: 41220  
Ion Ratio Lower Upper  
73 100  
57 20.1 17.9 26.9



#24  
1,1-Dichloroethane  
Concen: 0.489 ug/l  
RT: 3.67 min Scan# 456  
Delta R.T. -0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 63 Resp: 11074  
Ion Ratio Lower Upper  
63 100  
98 6.1 3.3 9.8  
100 9.0 2.1 6.5#





#25

2-Butanone

Concen: 7.805 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

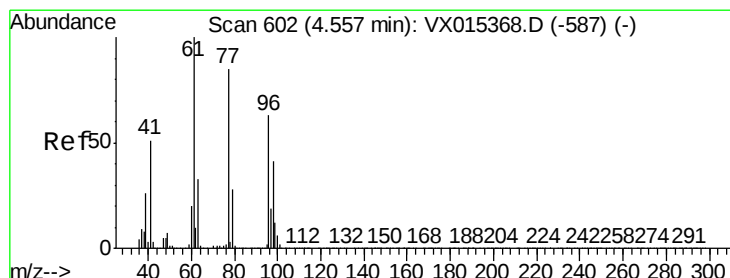
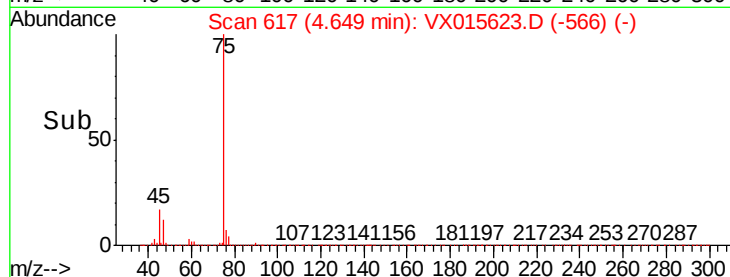
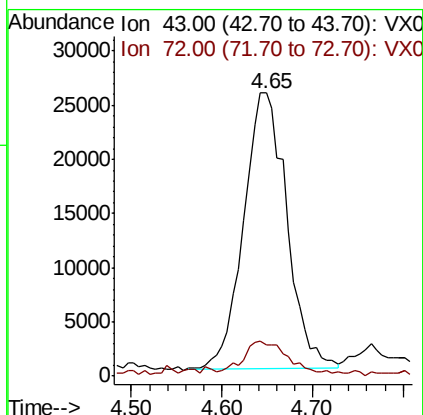
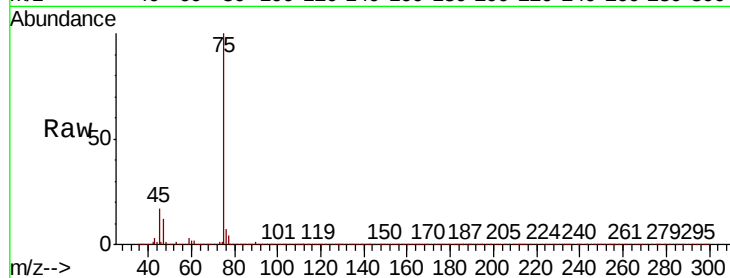
ClientSampleId :

Tot Ion: 43 Resp: 83642

Ion Ratio Lower Upper

43 100

72 9.4 19.0 28.4#



#26

2,2-Dichloropropane

Concen: 5.229 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.09 min

Lab File: VX015623.D

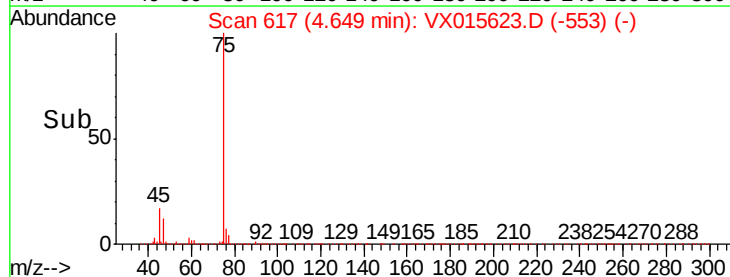
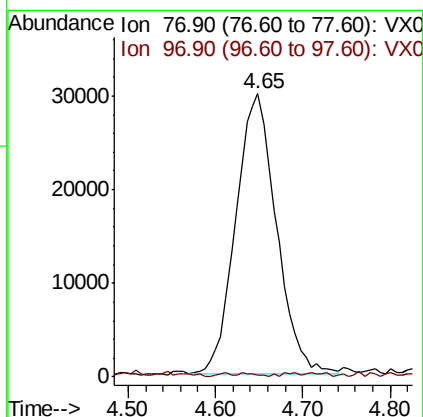
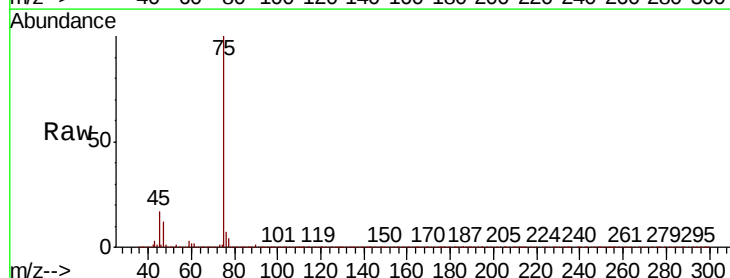
Acq: 10 Apr 2020 15:56

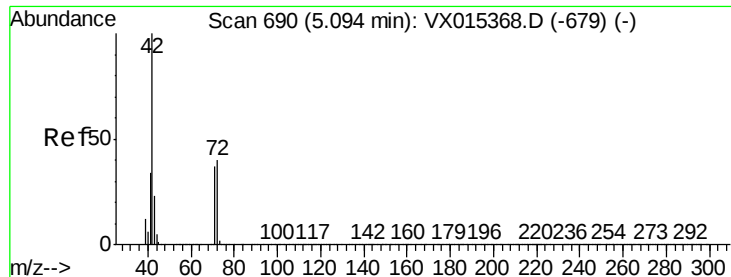
Tgt Ion: 77 Resp: 97150

Ion Ratio Lower Upper

77 100

97 0.4 11.3 33.8#

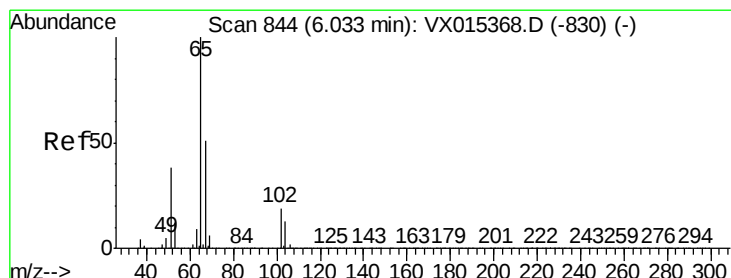
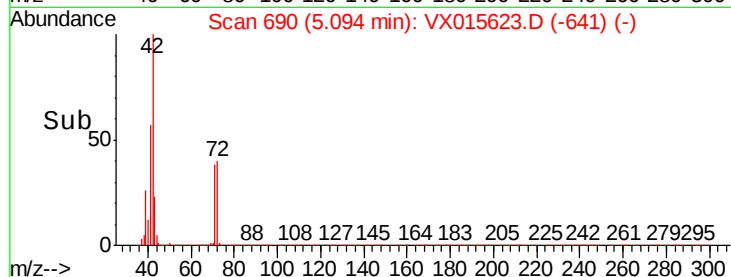
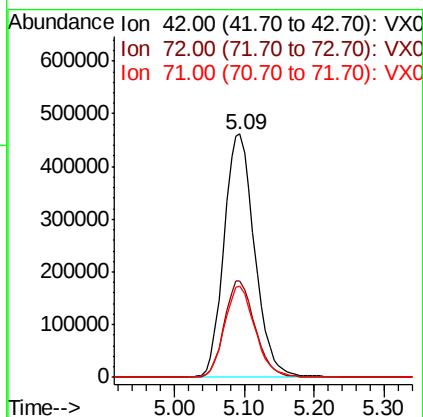
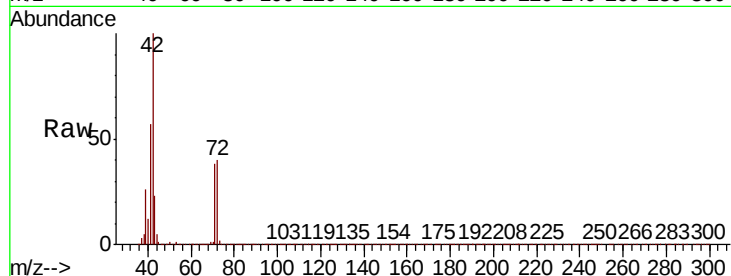




#29  
Tetrahydrofuran  
Concen: 203.212 ug/l  
RT: 5.09 min Scan# 690  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

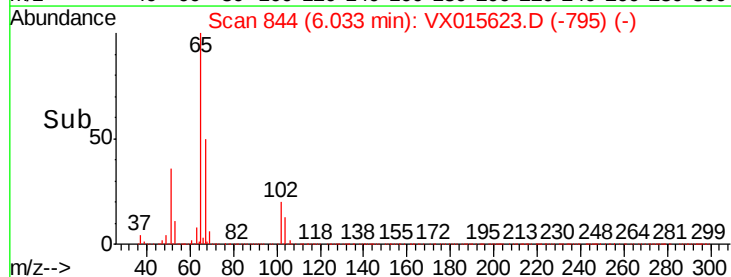
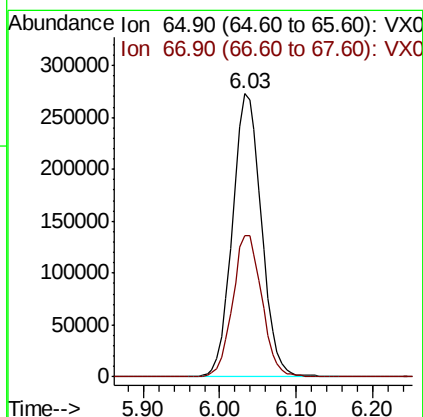
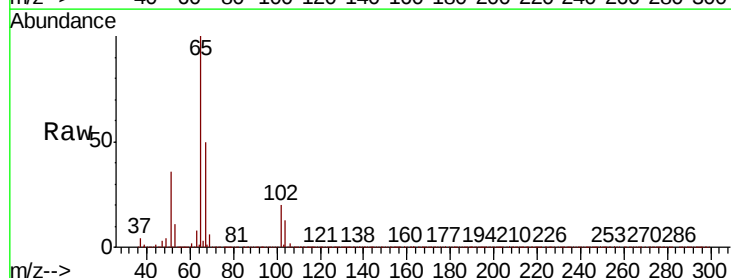
Instrument :  
MSVOA\_X  
ClientSampleId :

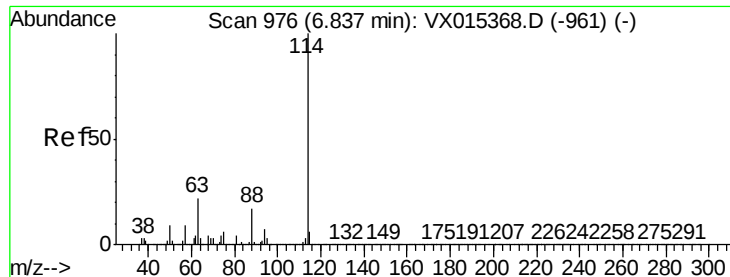
Tot Ion: 42 Resp: 1400049  
Ion Ratio Lower Upper  
42 100  
72 39.8 31.7 47.5  
71 37.5 29.6 44.4



#33  
1,2-Dichloroethane-d4  
Concen: 46.037 ug/l  
RT: 6.03 min Scan# 844  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 65 Resp: 714076  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

ClientSampleId :

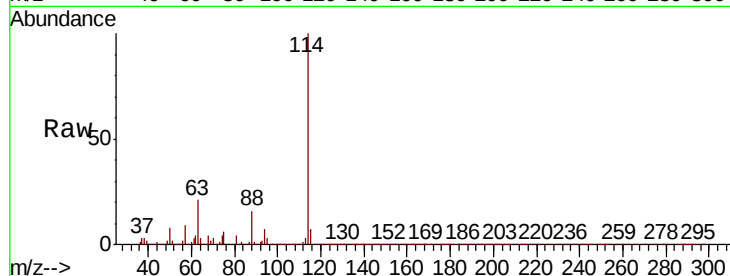
Tot Ion:114 Resp: 1735654

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

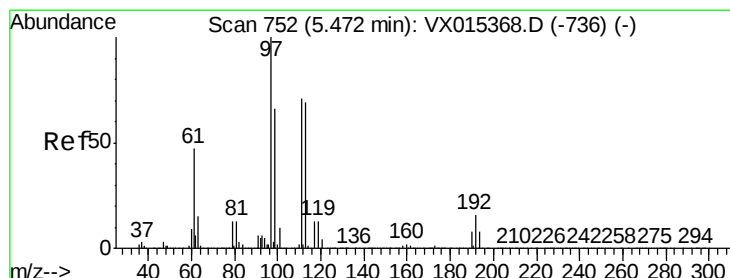
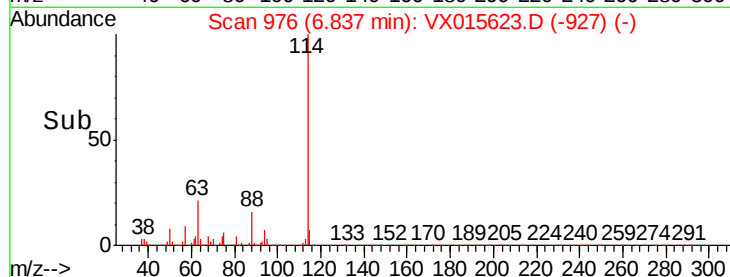
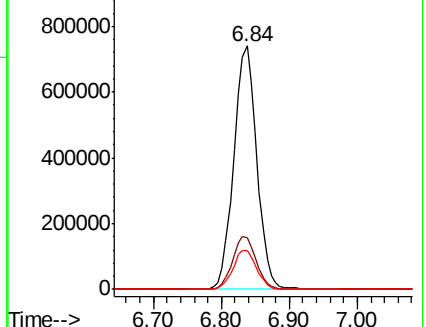
88 16.0 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.678 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

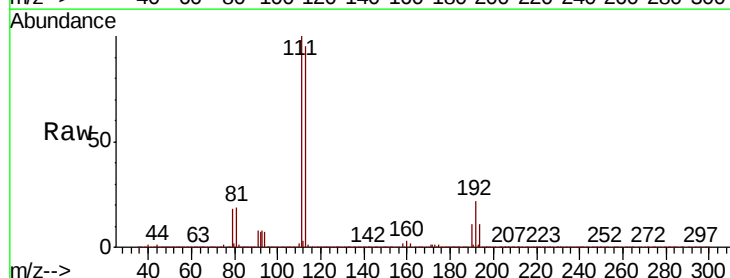
Tgt Ion:113 Resp: 528974

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

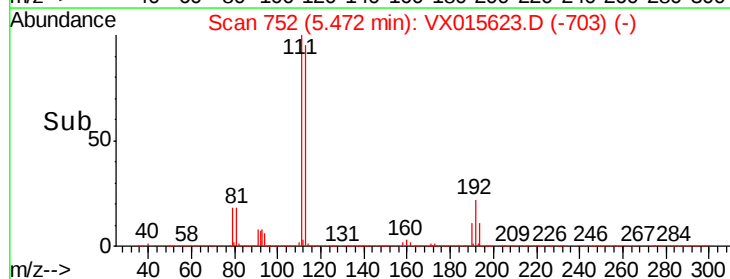
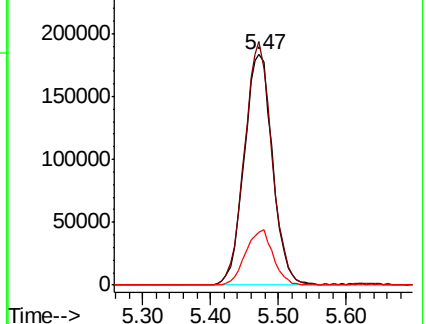
192 23.4 17.8 26.6

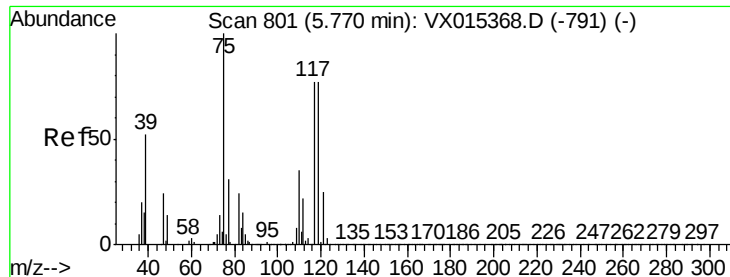


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.421 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015623.D

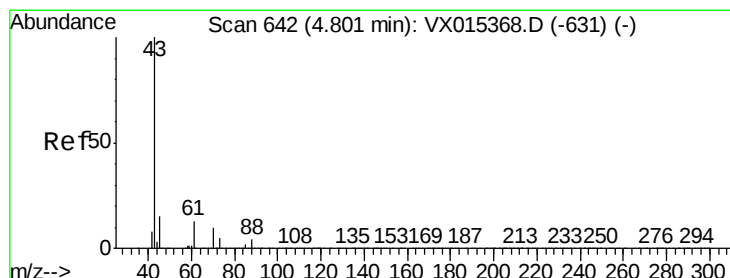
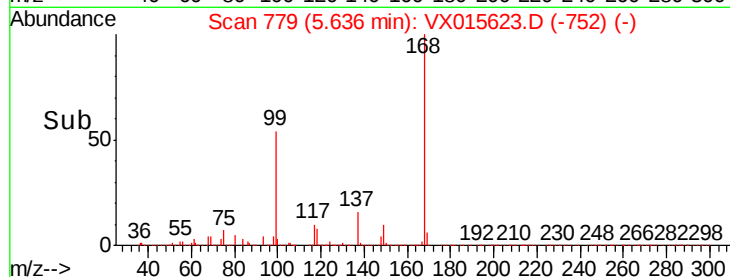
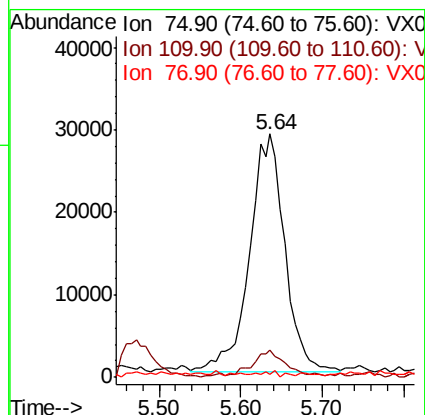
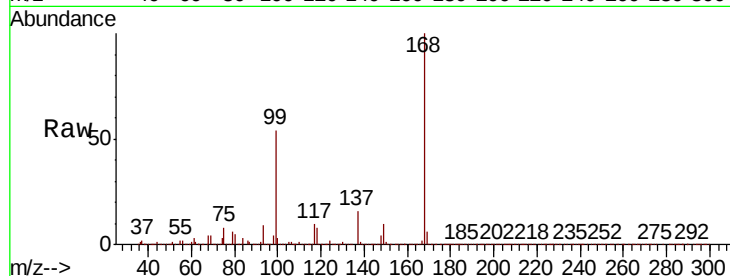
Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 86689 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.0   | 17.1  | 51.3# |
| 77       | 1.1   | 24.6  | 36.8# |



#37

Ethyl Acetate

Concen: 0.231 ug/l

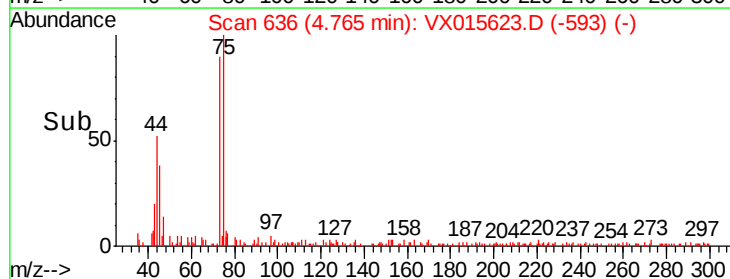
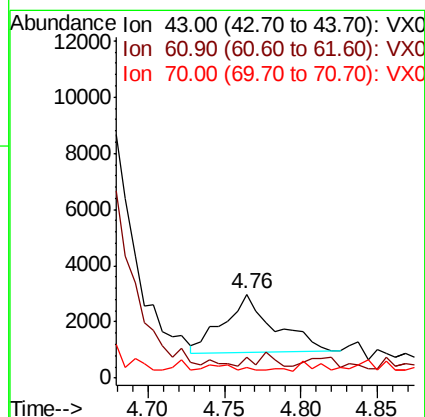
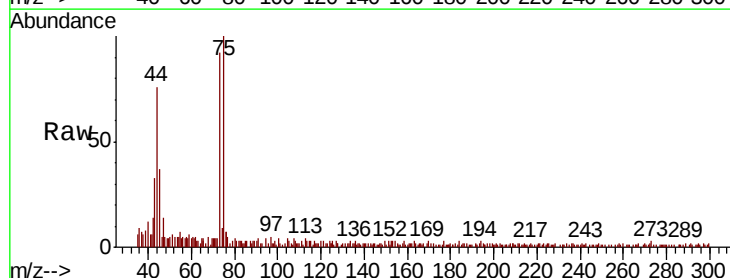
RT: 4.76 min Scan# 636

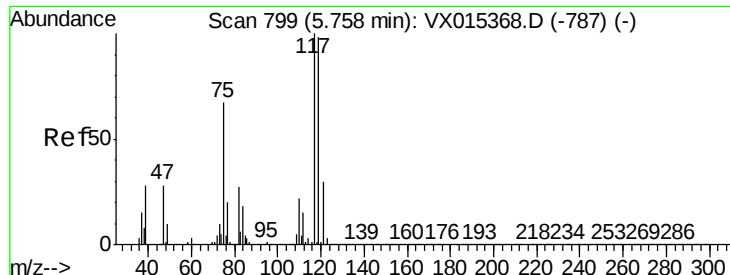
Delta R.T. -0.04 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4814  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 9.9   | 14.9# |
| 70       | 6.5   | 8.1   | 12.1# |

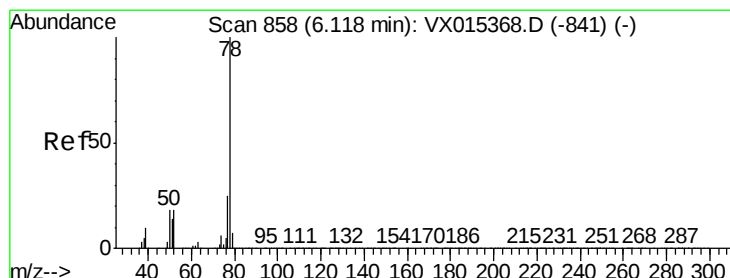
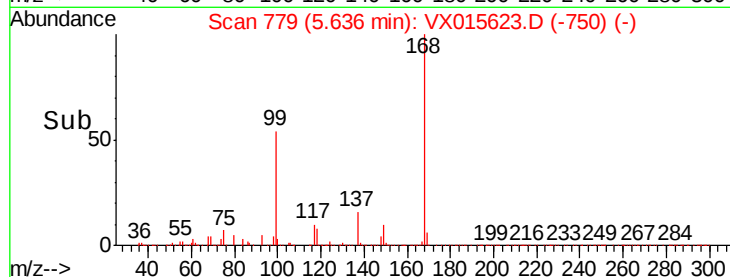
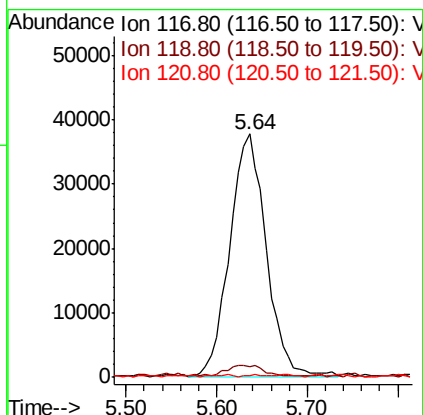
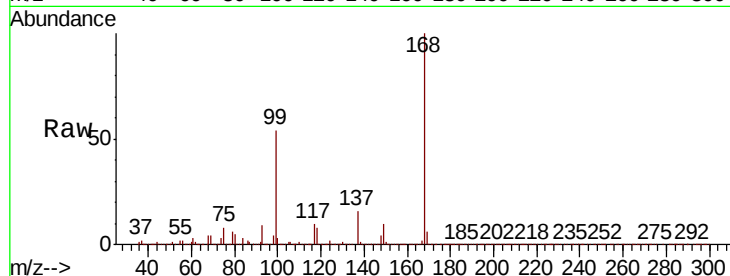




#38  
Carbon Tetrachloride  
Concen: 6.100 ug/l  
RT: 5.64 min Scan# 779  
Delta R.T. -0.12 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

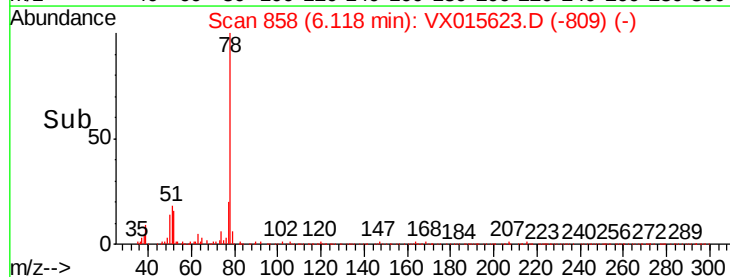
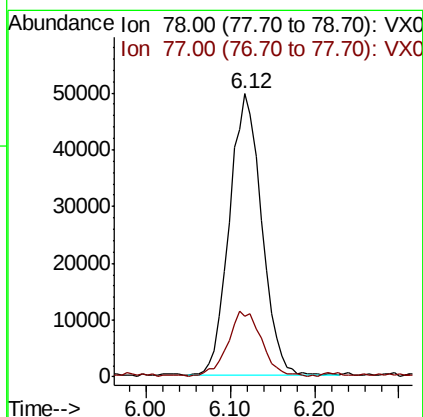
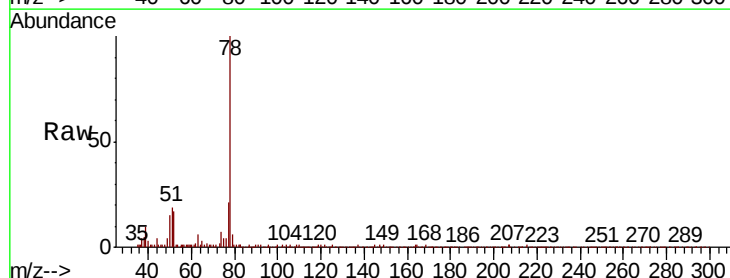
Instrument :  
MSVOA\_X  
ClientSampleId :

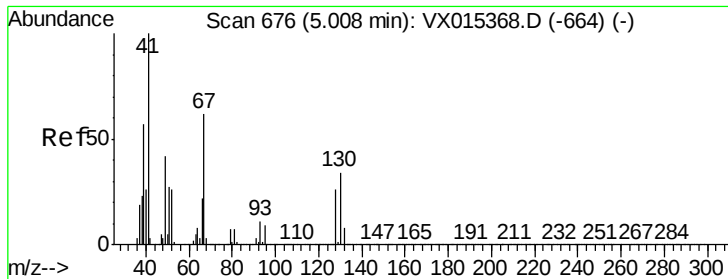
Tot Ion:117 Resp: 105651  
Ion Ratio Lower Upper  
117 100  
119 3.9 78.0 117.0#  
121 0.0 23.8 35.8#



#40  
Benzene  
Concen: 2.756 ug/l  
RT: 6.12 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 78 Resp: 129121  
Ion Ratio Lower Upper  
78 100  
77 20.8 19.8 29.8

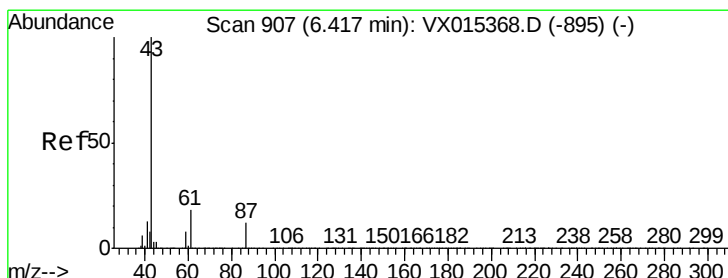
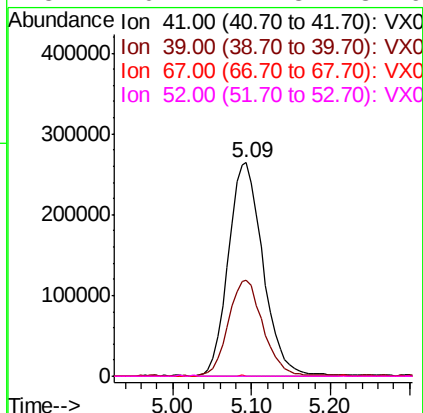
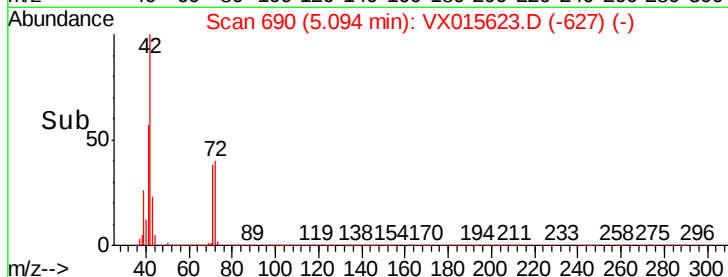
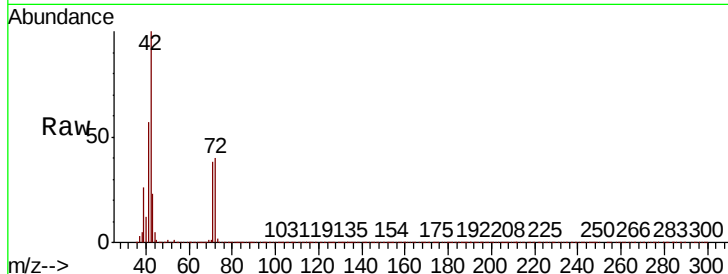




#41  
Methacrylonitrile  
Concen: 69.373 ug/l  
RT: 5.09 min Scan# 690  
Delta R.T. 0.09 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

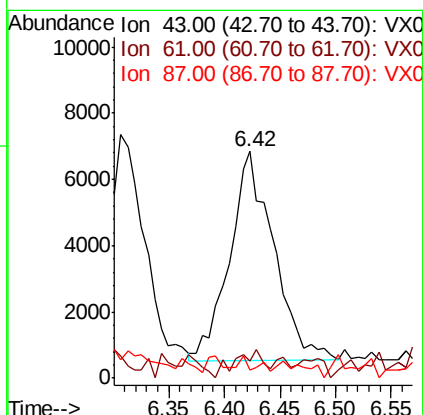
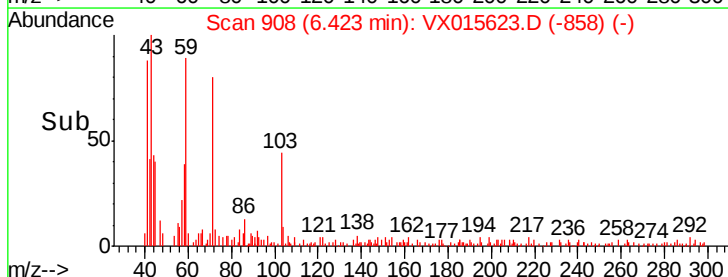
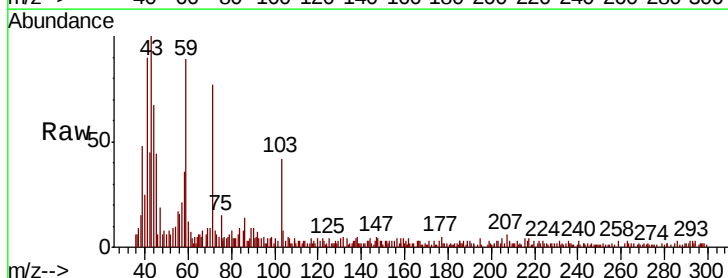
Instrument :  
MSVOA\_X  
ClientSampleId :

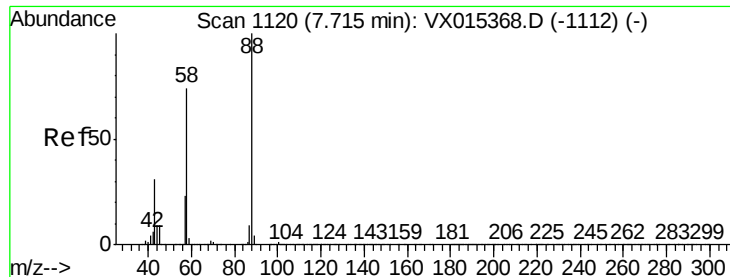
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 801892 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 45.6  | 44.5  | 66.7   |
| 67       | 0.1   | 48.9  | 73.3#  |
| 52       | 0.1   | 21.8  | 32.6#  |



#43  
Isopropyl Acetate  
Concen: 0.493 ug/l  
RT: 6.42 min Scan# 908  
Delta R.T. 0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 17342 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 8.6   | 14.8  | 22.2# |
| 87       | 1.5   | 9.4   | 14.0# |





#49

1,4-Dioxane

Concen: 278.356 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

ClientSampleId :

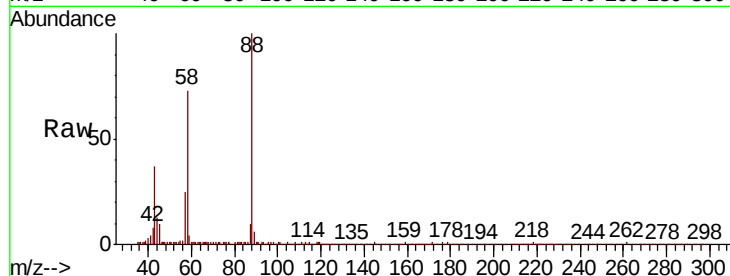
Tot Ion: 88 Resp: 91172

Ion Ratio Lower Upper

88 100

43 34.7 30.1 45.1

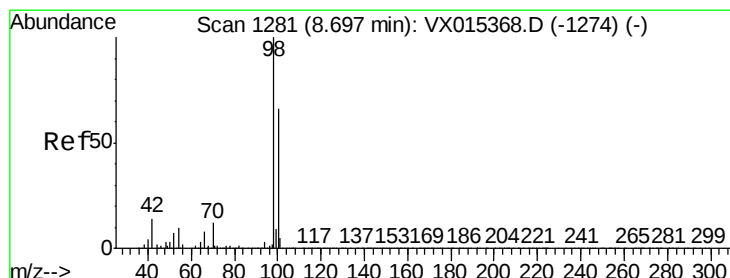
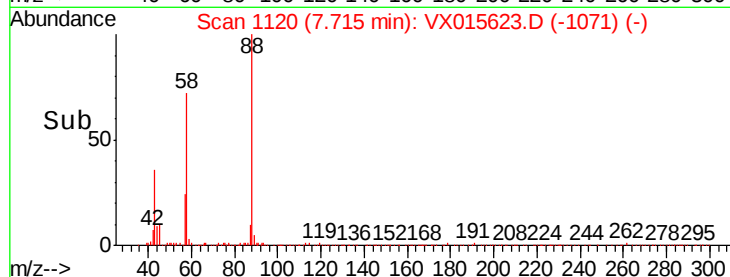
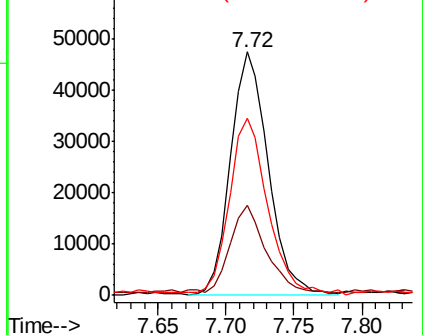
58 75.4 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.003 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015623.D

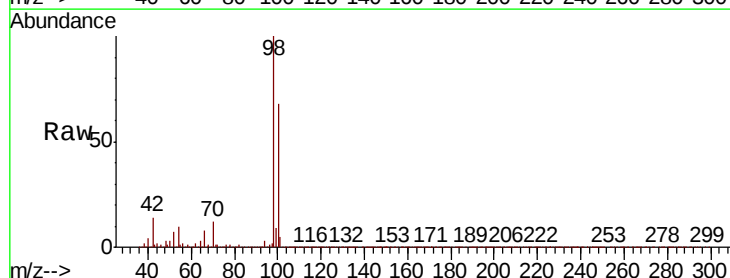
Acq: 10 Apr 2020 15:56

Tgt Ion: 98 Resp: 2083353

Ion Ratio Lower Upper

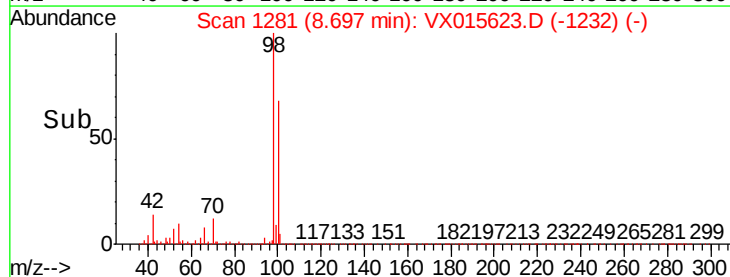
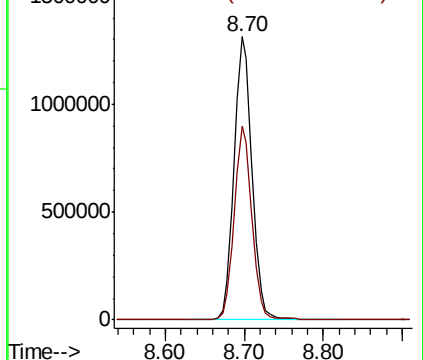
98 100

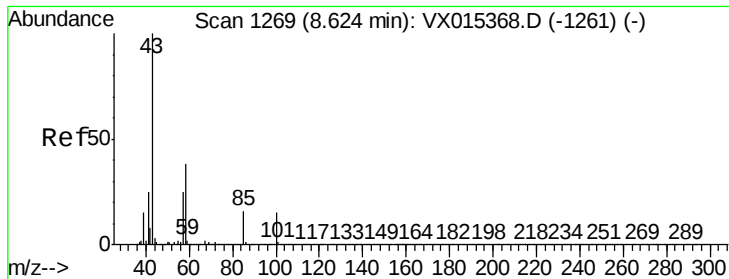
100 67.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

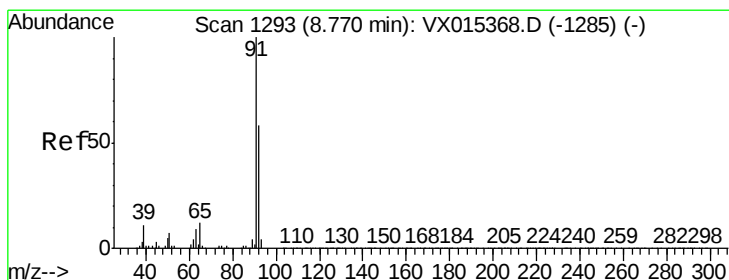
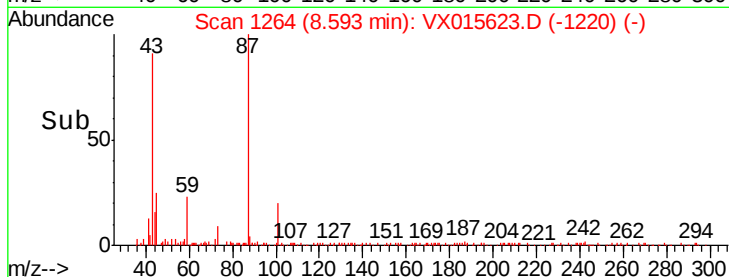
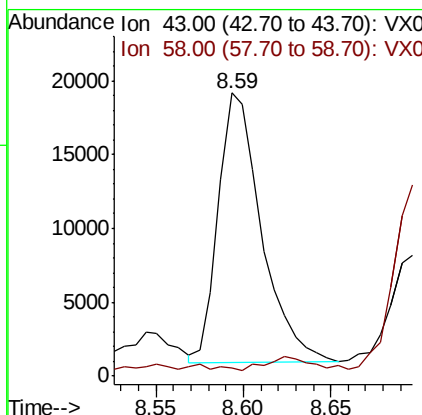
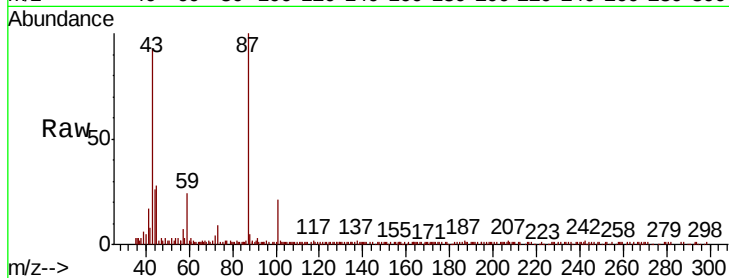




#51  
4-Methyl-2-Pentanone  
Concen: 1.572 ug/l  
RT: 8.59 min Scan# 1264  
Delta R.T. -0.03 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

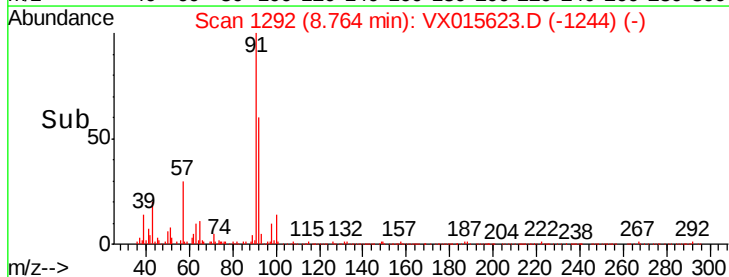
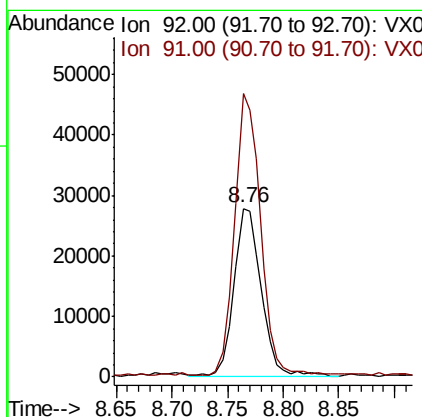
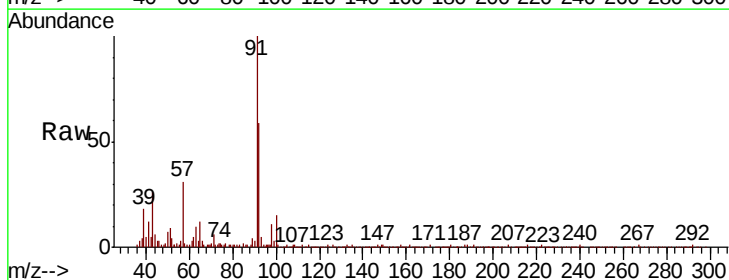
Instrument :  
MSVOA\_X  
ClientSampleId :

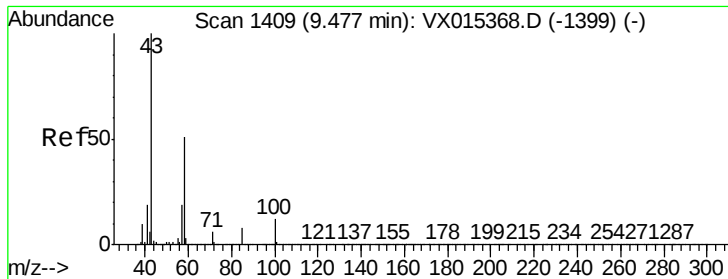
Tot Ion: 43 Resp: 31310  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.7 44.5#



#52  
Toluene  
Concen: 1.658 ug/l  
RT: 8.76 min Scan# 1292  
Delta R.T. -0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 92 Resp: 47898  
Ion Ratio Lower Upper  
92 100  
91 155.6 136.6 205.0

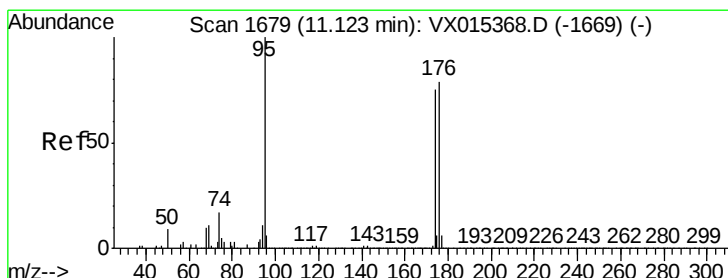
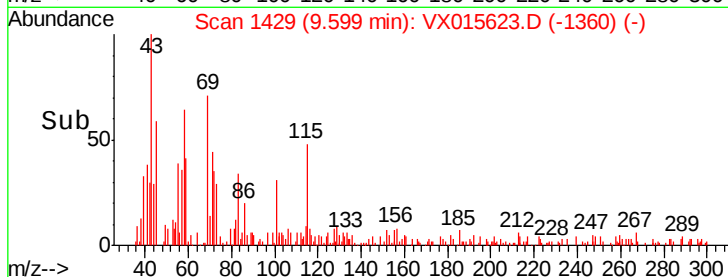
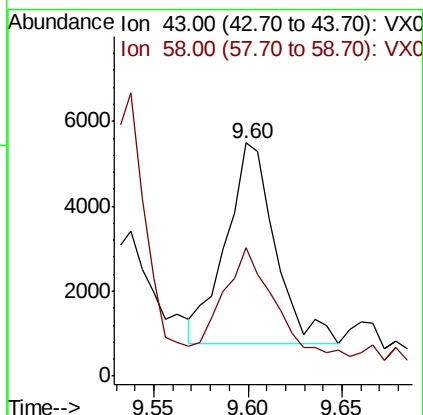
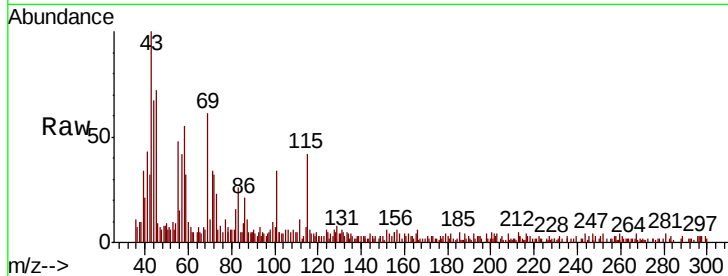




#59  
2-Hexanone  
Concen: 0.567 ug/l  
RT: 9.60 min Scan# 1429  
Delta R.T. 0.12 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

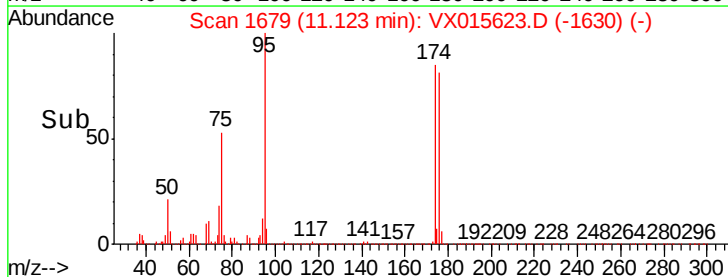
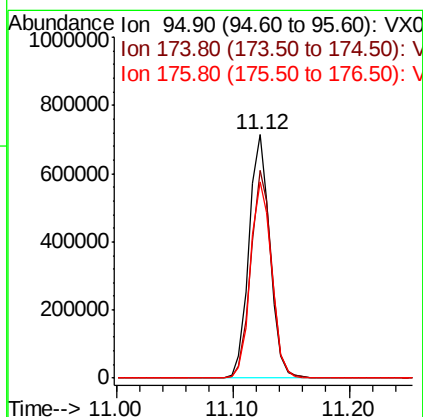
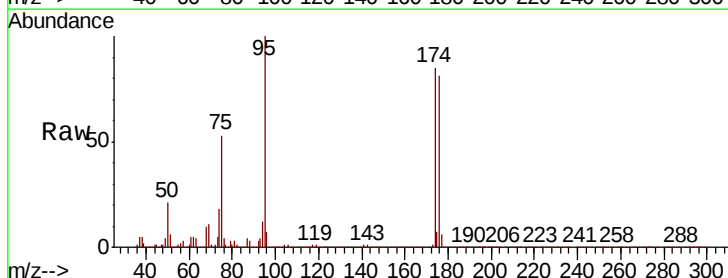
Instrument :  
MSVOA\_X  
ClientSampleId :

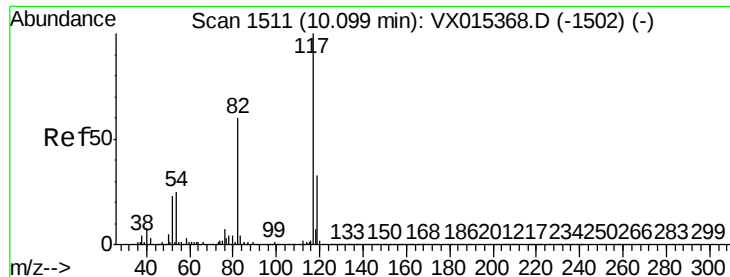
Tot Ion: 43 Resp: 8531  
Ion Ratio Lower Upper  
43 100  
58 55.5 25.6 76.6



#62  
4-Bromofluorobenzene  
Concen: 53.982 ug/l  
RT: 11.12 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 95 Resp: 896145  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 158.6  
176 82.1 0.0 159.0

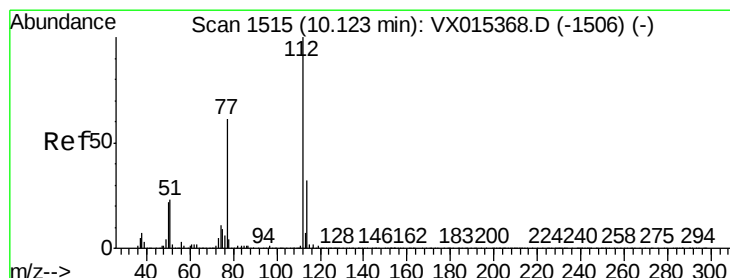
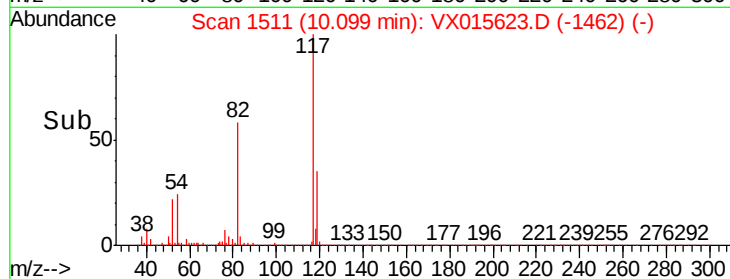
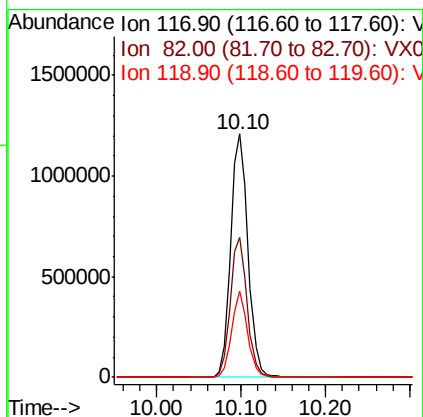
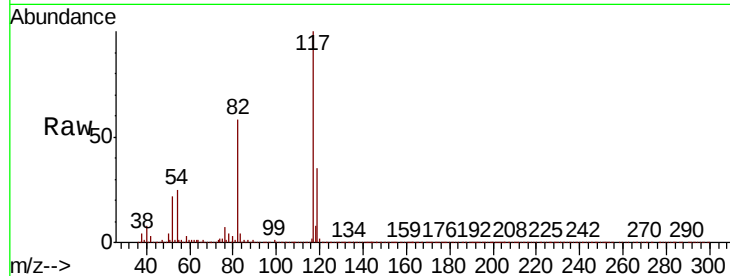




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

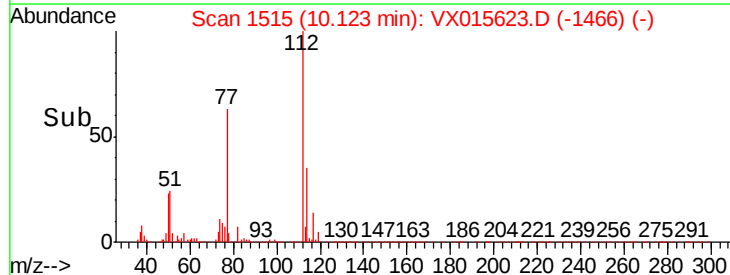
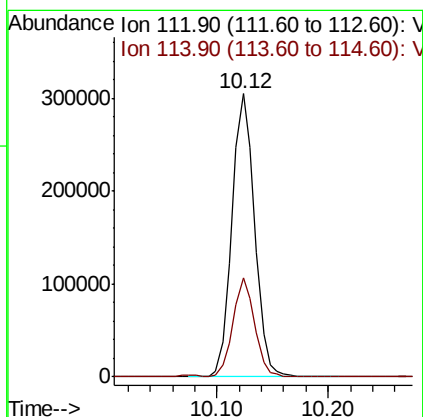
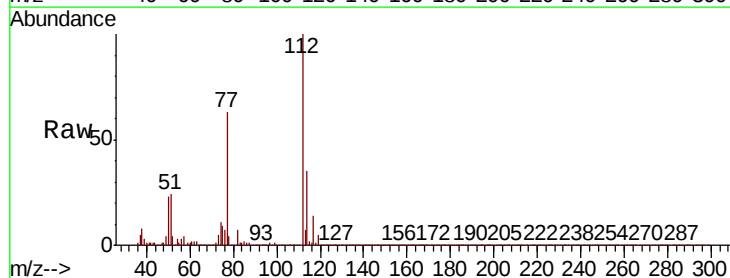
Instrument :  
MSVOA\_X  
ClientSampleId :

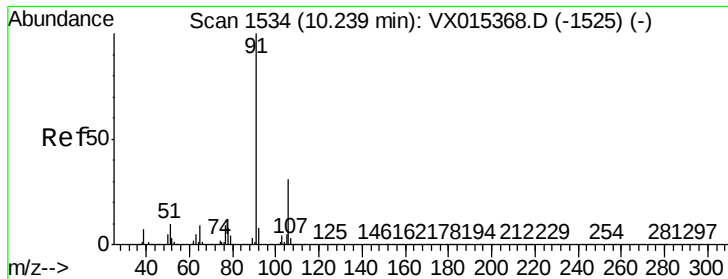
Tot Ion:117 Resp: 1688356  
Ion Ratio Lower Upper  
117 100  
82 57.6 47.8 71.8  
119 35.3 26.8 40.2



#65  
Chlorobenzene  
Concen: 12.710 ug/l  
RT: 10.12 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion:112 Resp: 427969  
Ion Ratio Lower Upper  
112 100  
114 35.1 25.5 38.3





#67

Ethyl Benzene

Concen: 8.779 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

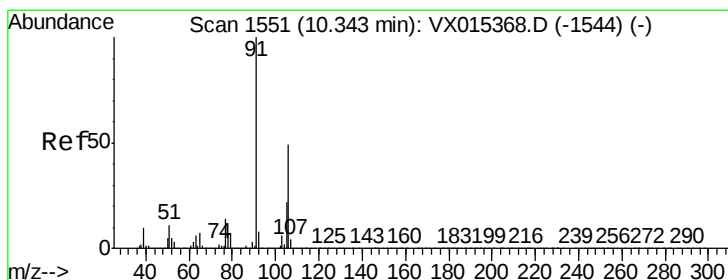
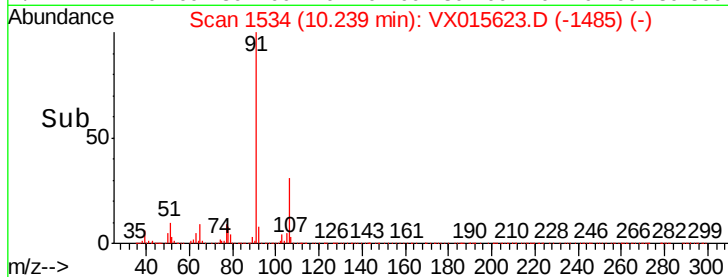
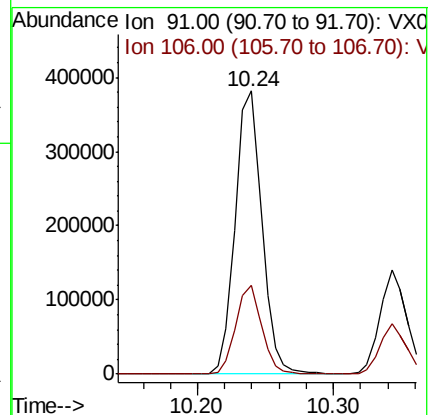
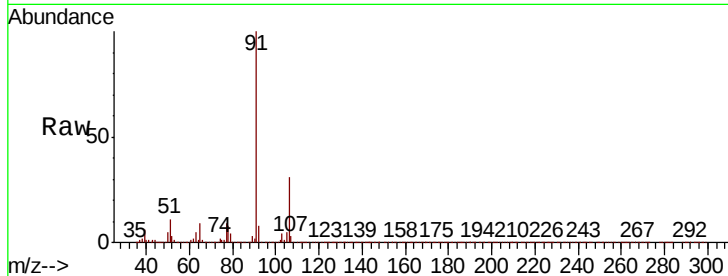
ClientSampleId :

Tot Ion: 91 Resp: 524249

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 4.129 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015623.D

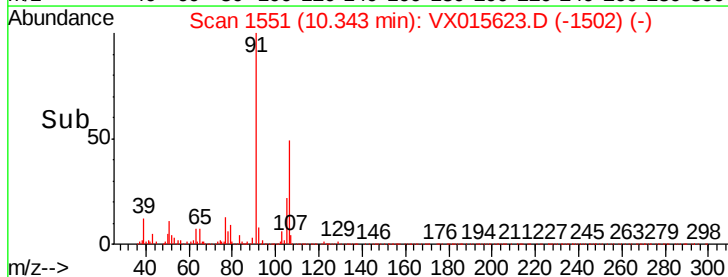
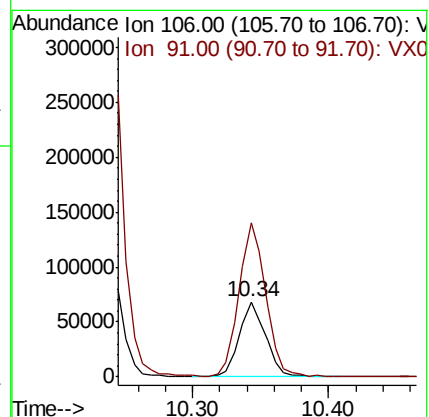
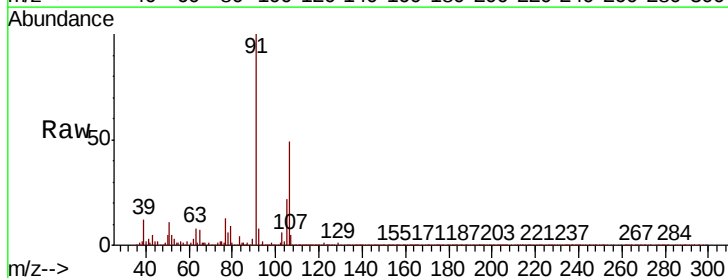
Acq: 10 Apr 2020 15:56

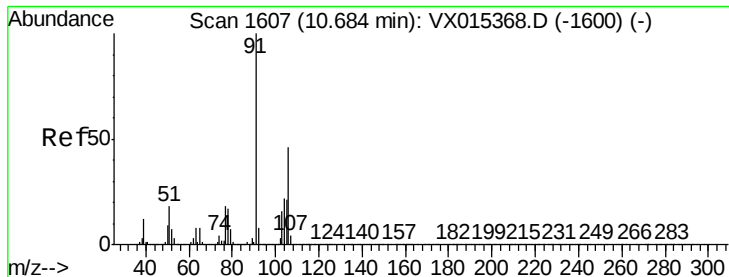
Tgt Ion: 106 Resp: 91821

Ion Ratio Lower Upper

106 100

91 208.5 163.4 245.0

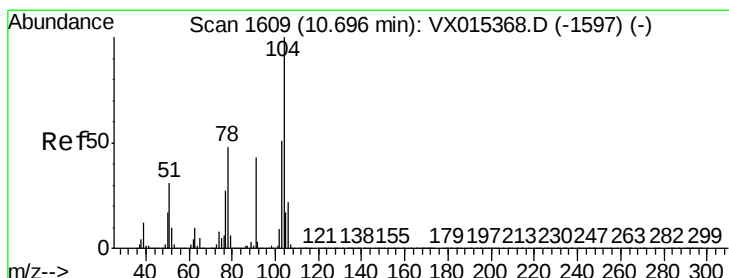
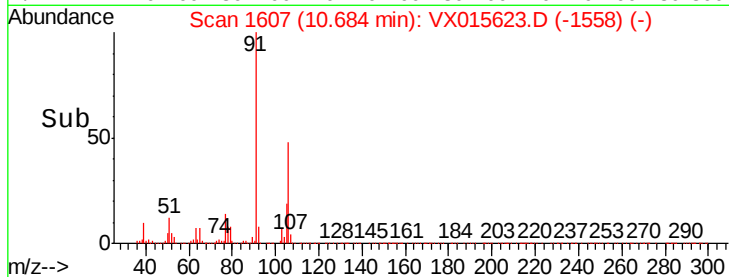
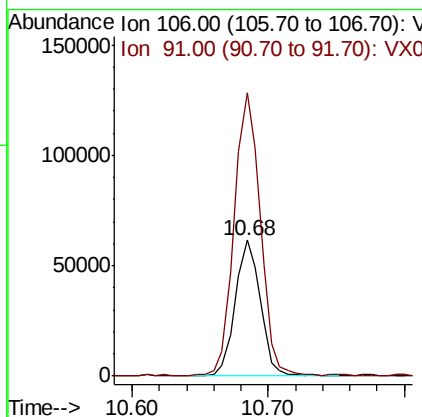
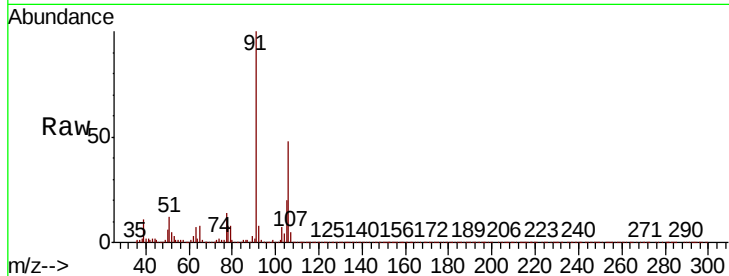




#69  
o-Xylene  
Concen: 3.590 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

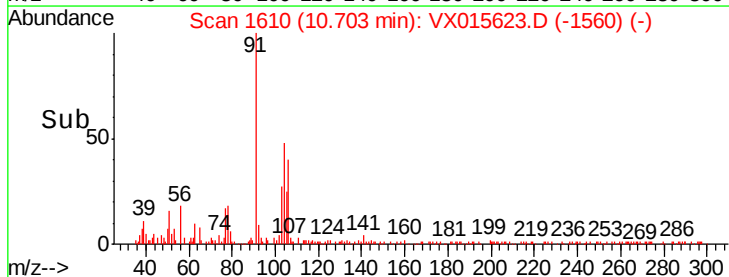
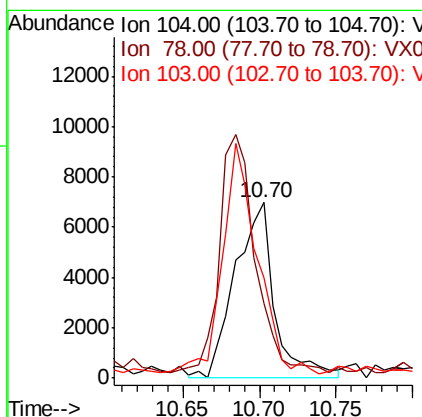
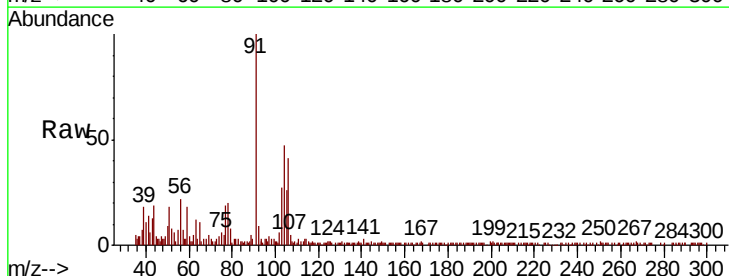
Instrument :  
MSVOA\_X  
ClientSampleId :

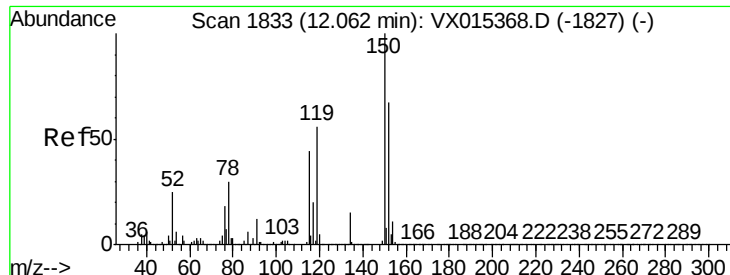
Tot Ion:106 Resp: 78882  
Ion Ratio Lower Upper  
106 100  
91 216.1 107.1 321.3



#70  
Styrene  
Concen: 0.323 ug/l  
RT: 10.70 min Scan# 1610  
Delta R.T. 0.01 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion:104 Resp: 12508  
Ion Ratio Lower Upper  
104 100  
78 121.8 42.0 63.0#  
103 117.9 43.4 65.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

ClientSampleId :

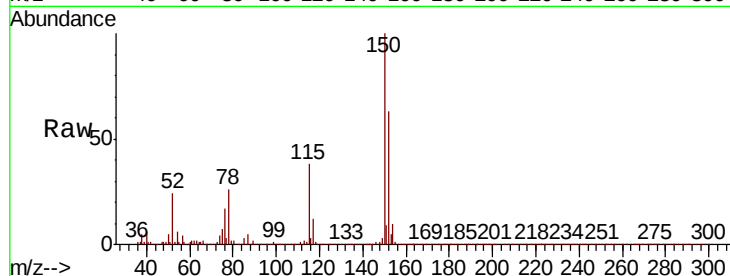
Tot Ion:152 Resp: 943478

Ion Ratio Lower Upper

152 100

115 57.8 39.0 116.9

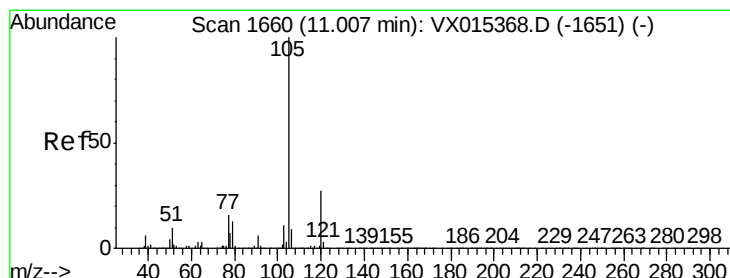
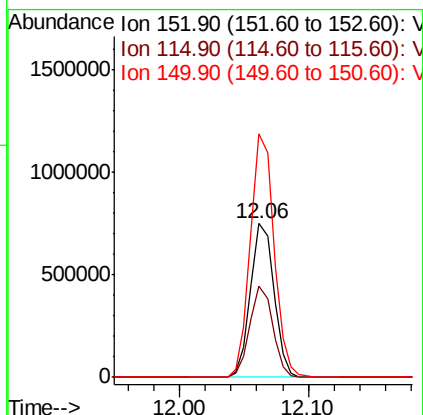
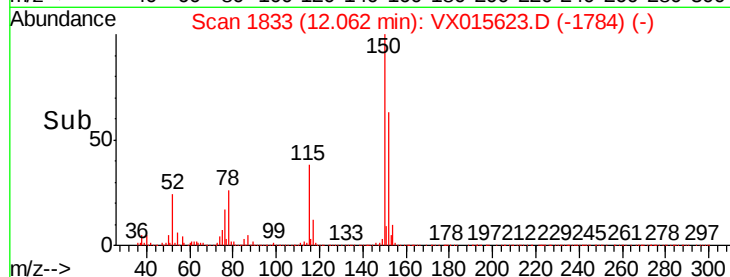
150 158.9 0.0 340.8



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: 1.380 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX015623.D

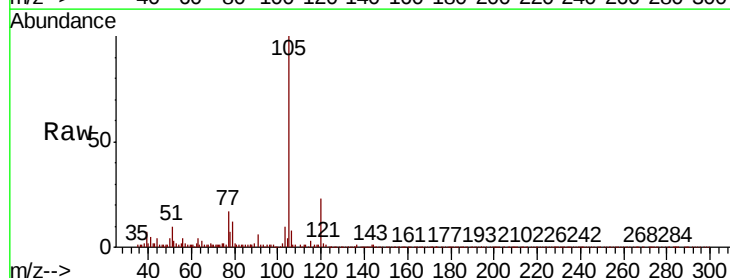
Acq: 10 Apr 2020 15:56

Tgt Ion:105 Resp: 85297

Ion Ratio Lower Upper

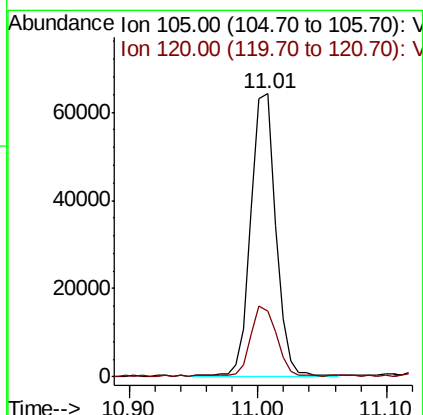
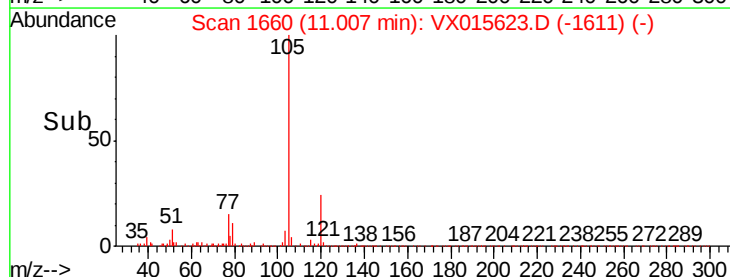
105 100

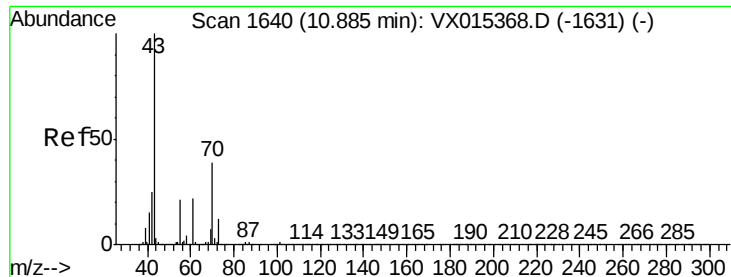
120 25.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.469 ug/l

RT: 10.93 min Scan# 1648

Delta R.T. 0.05 min

Lab File: VX015623.D

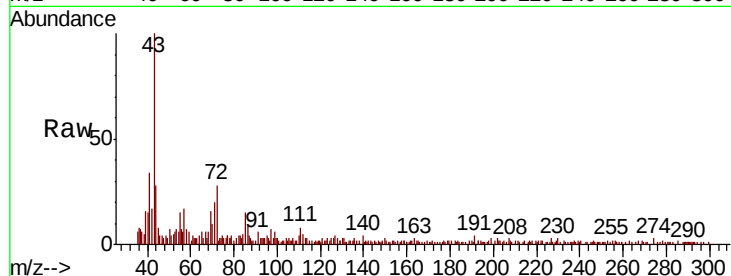
Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 16112 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 2.7   | 30.2  | 45.4# |
| 55       | 8.4   | 16.8  | 25.2# |
| 61       | 0.0   | 18.2  | 27.2# |

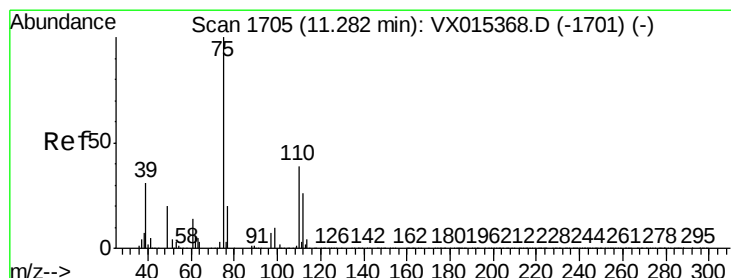
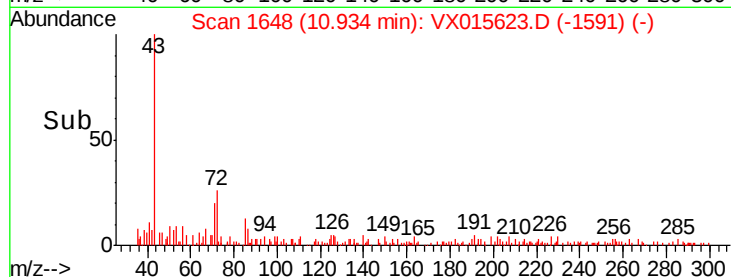
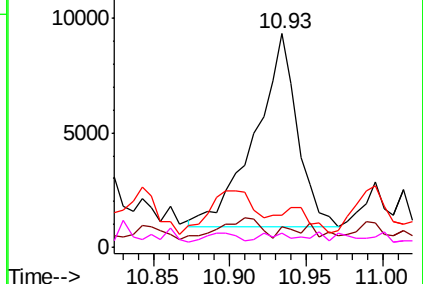


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 24.128 ug/l

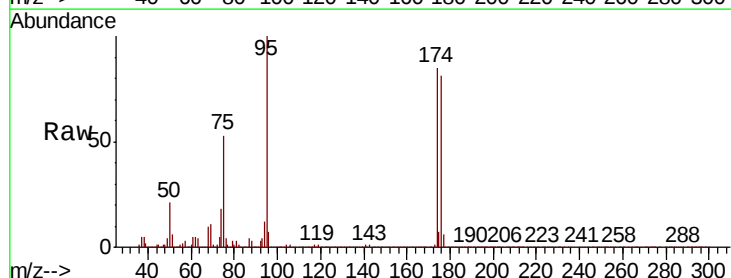
RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015623.D

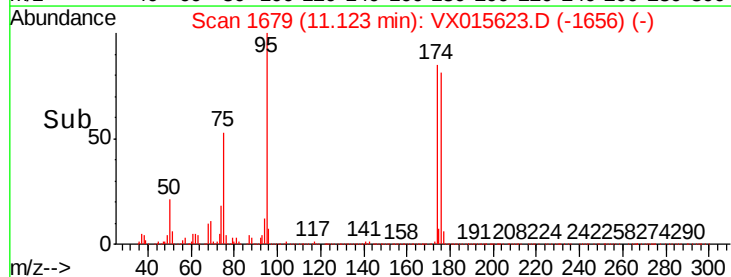
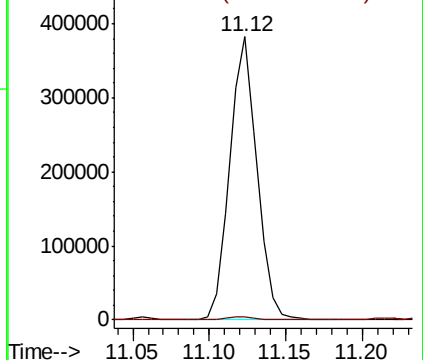
Acq: 10 Apr 2020 15:56

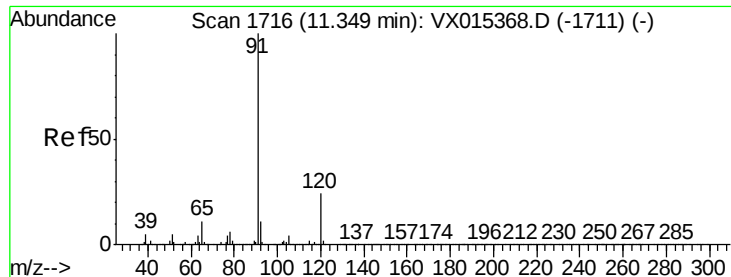
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 468130 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.3   | 21.2  | 63.6#  |



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.801 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.01 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

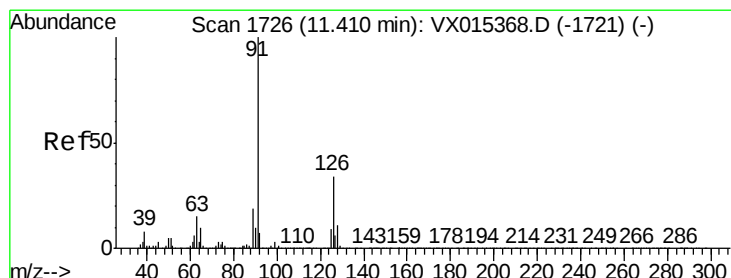
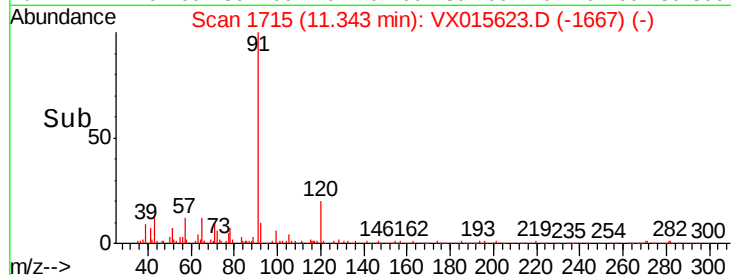
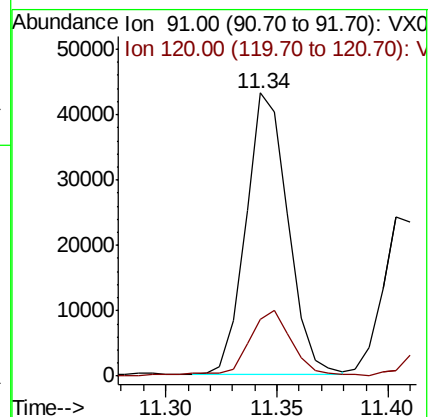
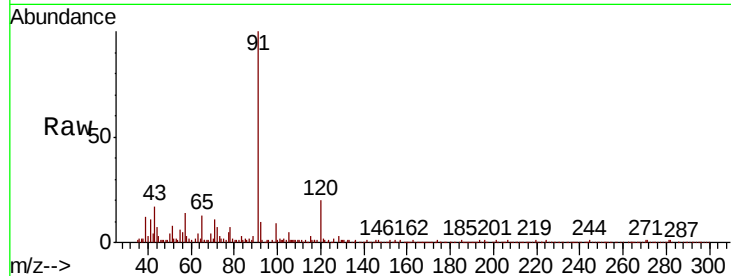
ClientSampleId :

Tot Ion: 91 Resp: 56631

Ion Ratio Lower Upper

91 100

120 24.7 11.7 35.0



#79

2-Chlorotoluene

Concen: 0.849 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015623.D

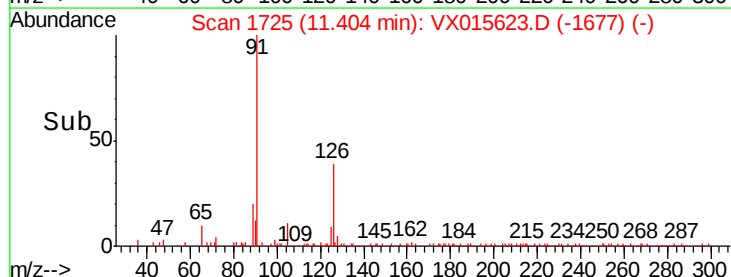
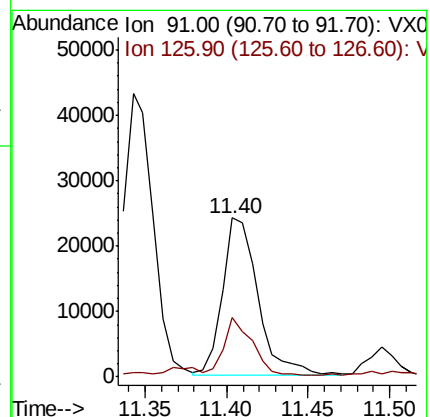
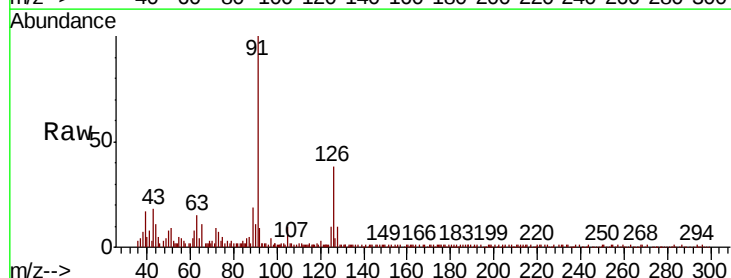
Acq: 10 Apr 2020 15:56

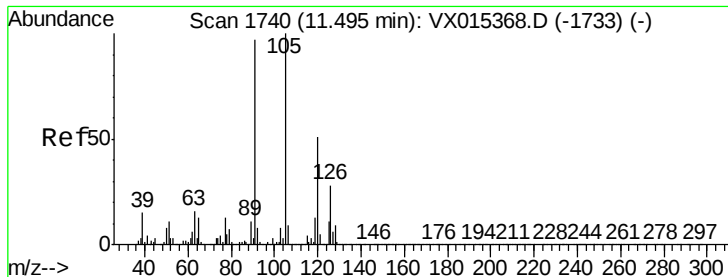
Tgt Ion: 91 Resp: 36778

Ion Ratio Lower Upper

91 100

126 28.8 16.5 49.5





#80

1,3,5-Trimethylbenzene

Concen: 0.430 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

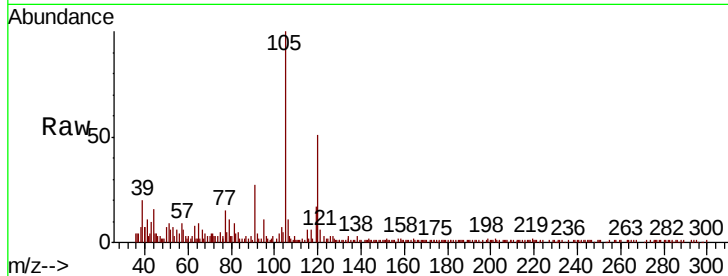
ClientSampleId :

Tot Ion:105 Resp: 22705

Ion Ratio Lower Upper

105 100

120 47.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

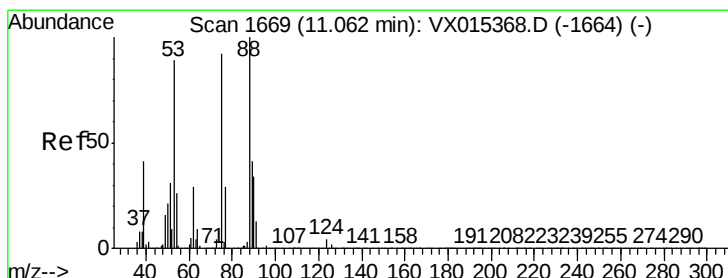
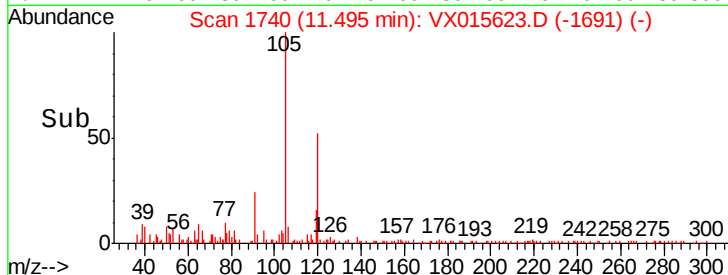
11.50

10000

5000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.894 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

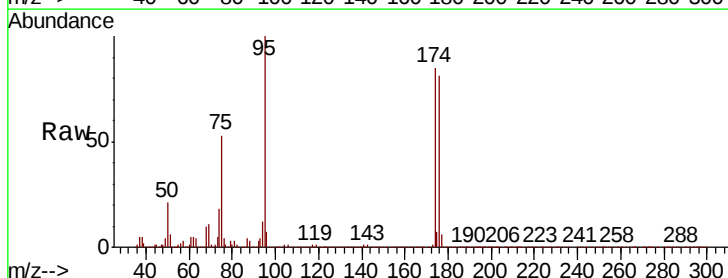
Tgt Ion: 75 Resp: 468130

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

500000

400000

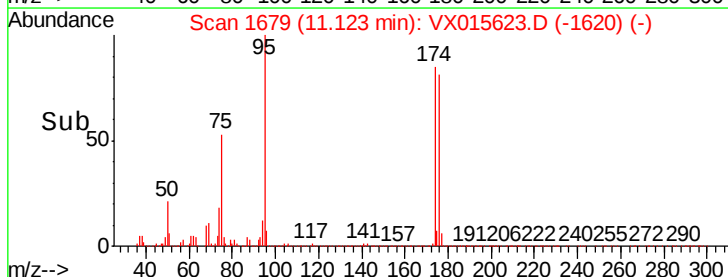
300000

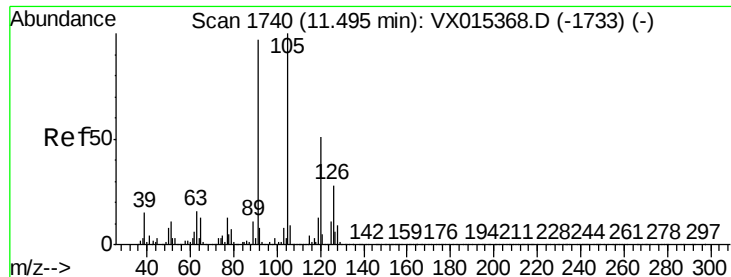
200000

100000

0

Time-->

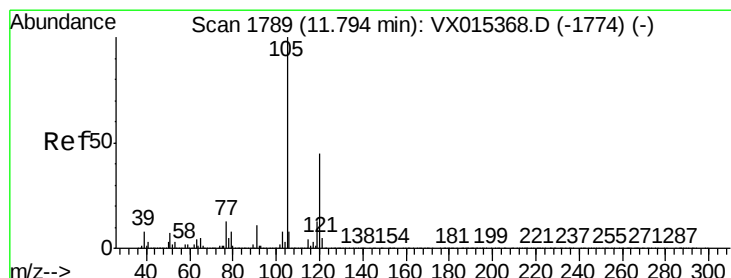
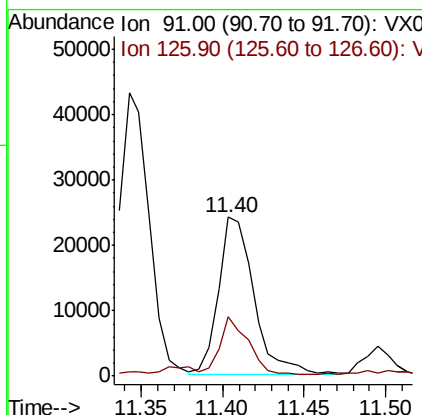
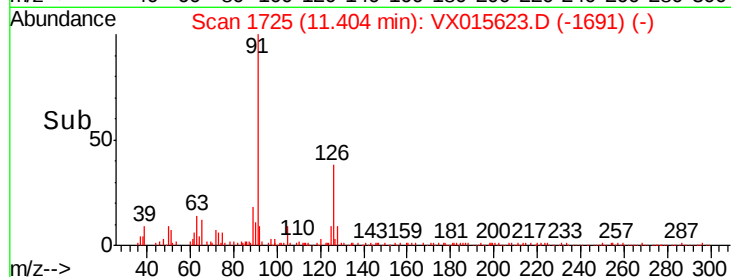
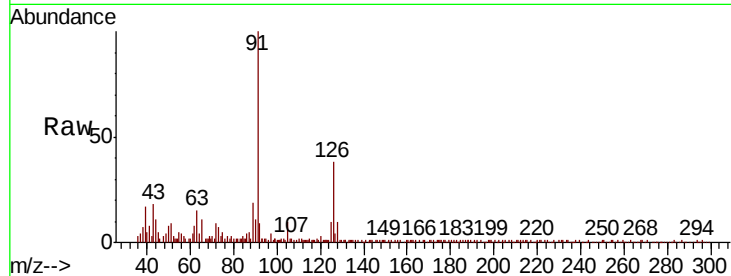




#82  
4-Chlorotoluene  
Concen: 0.724 ug/l  
RT: 11.40 min Scan# 1725  
Delta R.T. -0.09 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

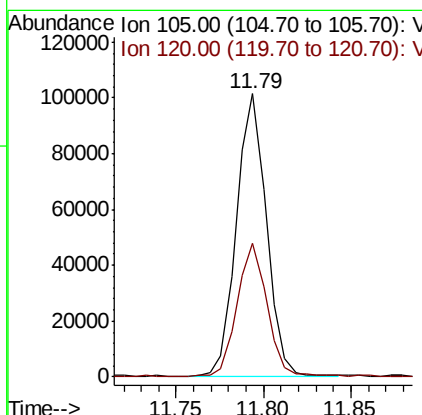
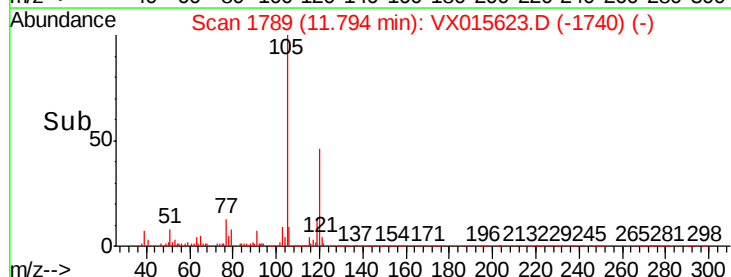
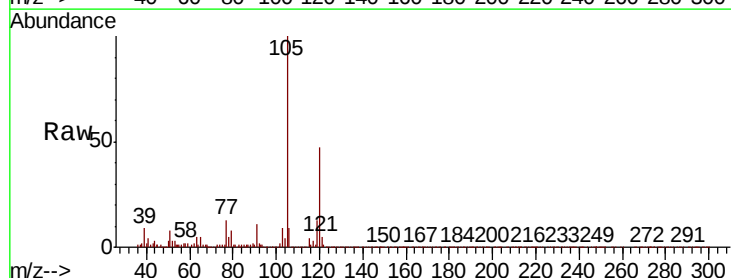
Instrument :  
MSVOA\_X  
ClientSampleId :

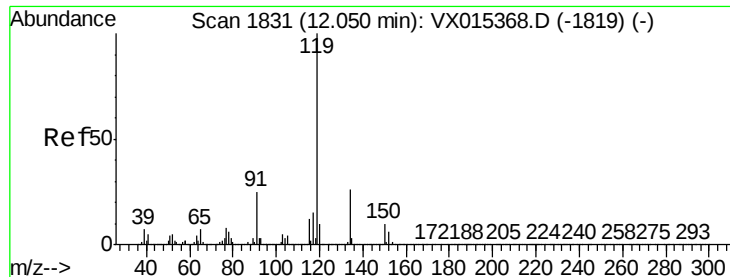
Tot Ion: 91 Resp: 36778  
Ion Ratio Lower Upper  
91 100  
126 28.8 14.7 44.1



#84  
1,2,4-Trimethylbenzene  
Concen: 2.227 ug/l  
RT: 11.79 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Tgt Ion: 105 Resp: 119813  
Ion Ratio Lower Upper  
105 100  
120 46.7 22.7 68.1

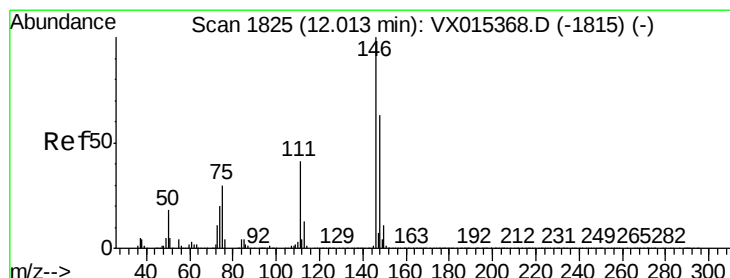
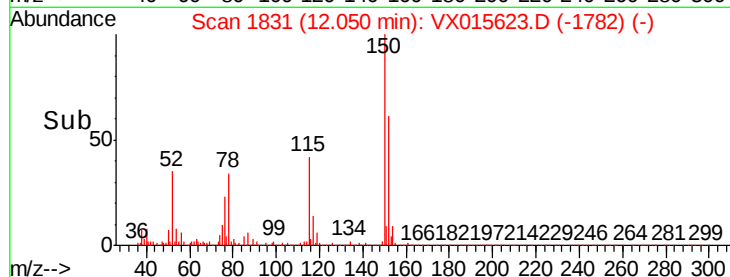
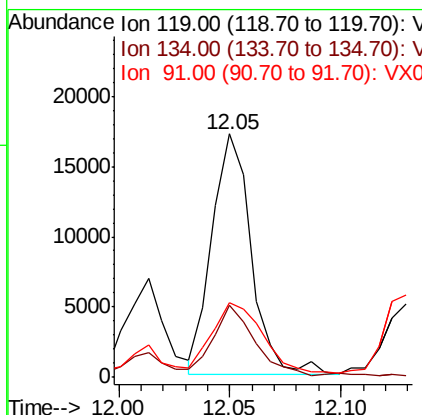
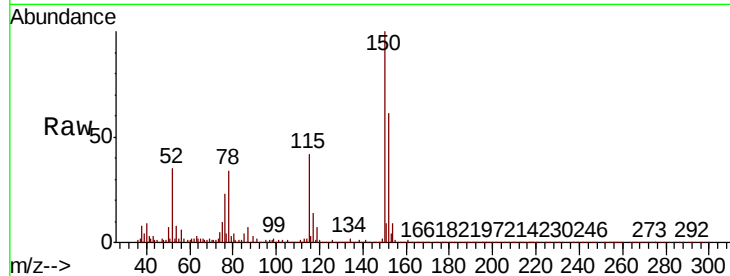




#86  
p-Isopropyltoluene  
Concen: 0.378 ug/l  
RT: 12.05 min Scan# 1831  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

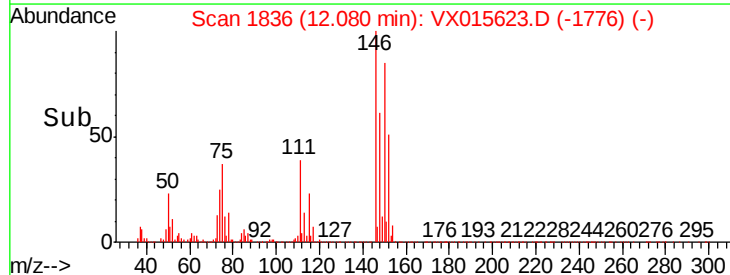
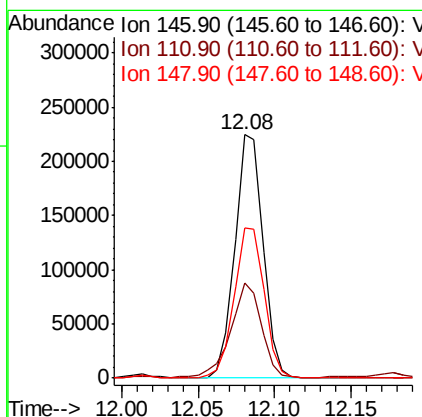
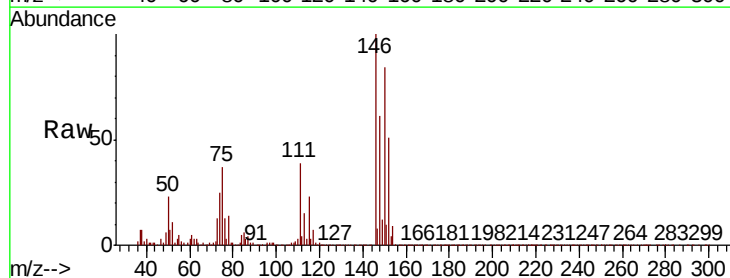
Instrument :  
MSVOA\_X  
ClientSampled :

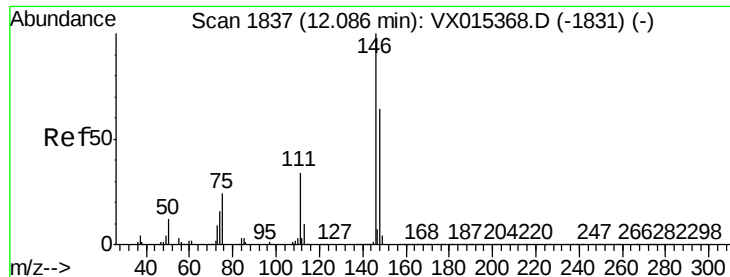
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 28.9  | 13.1  | 39.3  |
| 91      | 37.2  | 12.4  | 37.4  |



#87  
1,3-Dichlorobenzene  
Concen: 9.726 ug/l  
RT: 12.08 min Scan# 1836  
Delta R.T. 0.07 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 20.3  | 60.9  |
| 148     | 65.3  | 31.3  | 93.9  |





#88

1,4-Dichlorobenzene

Concen: 9.548 ug/l

RT: 12.08 min Scan# 1836

Delta R.T. -0.01 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

ClientSampleId :

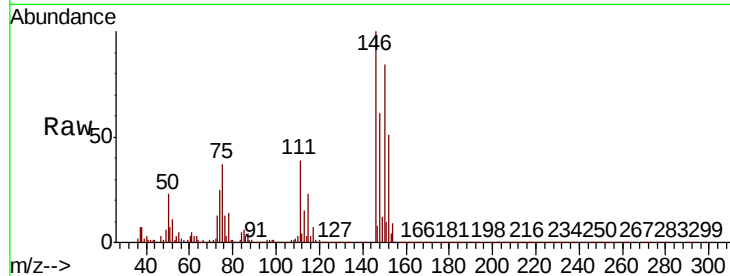
Tot Ion:146 Resp: 287098

Ion Ratio Lower Upper

146 100

111 42.2 19.1 57.5

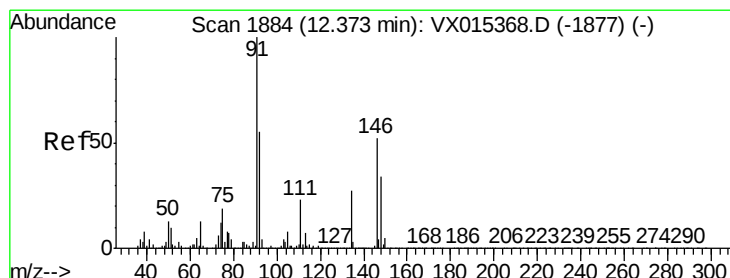
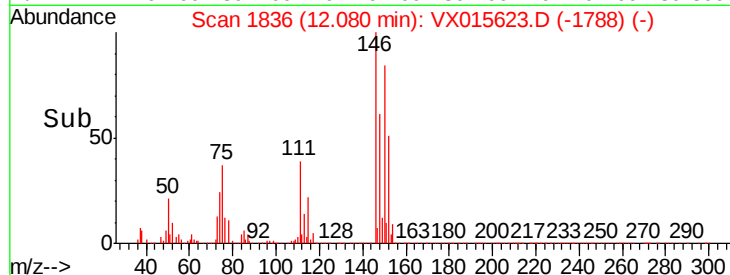
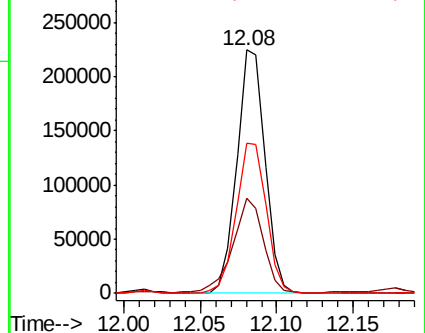
148 65.3 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.249 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

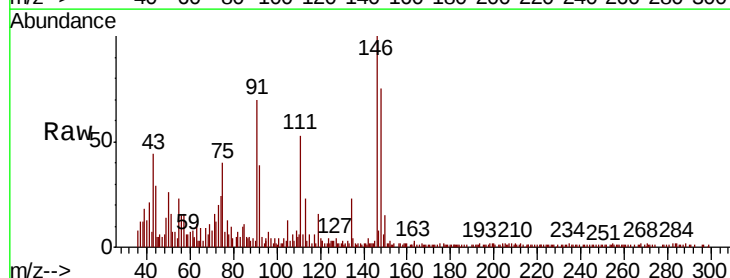
Tgt Ion: 91 Resp: 12453

Ion Ratio Lower Upper

91 100

92 40.0 27.2 81.5

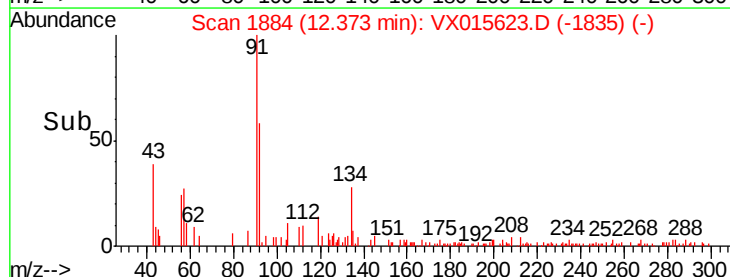
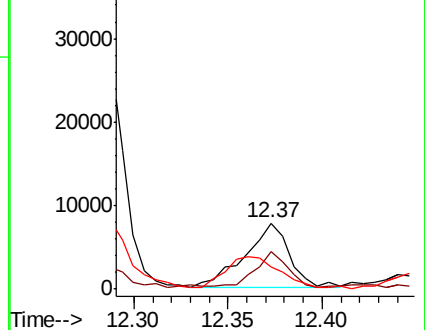
134 58.8 13.4 40.2#

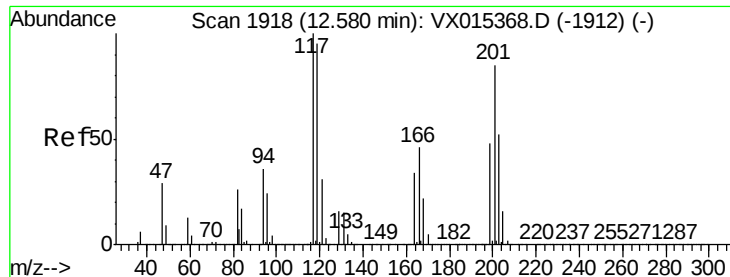


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.436 ug/l

RT: 12.65 min Scan# 1930

Delta R.T. 0.07 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

Instrument :

MSVOA\_X

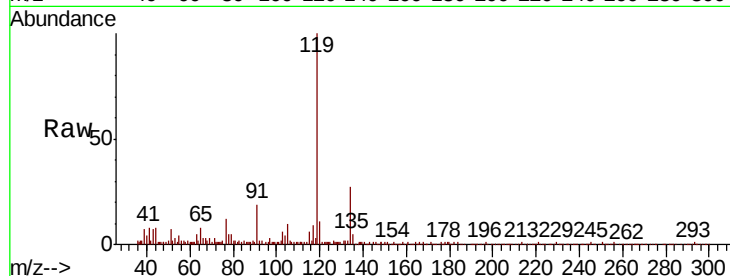
ClientSampleId :

Tot Ion:117 Resp: 4704

Ion Ratio Lower Upper

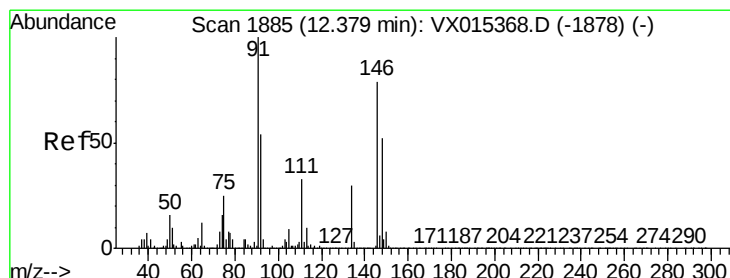
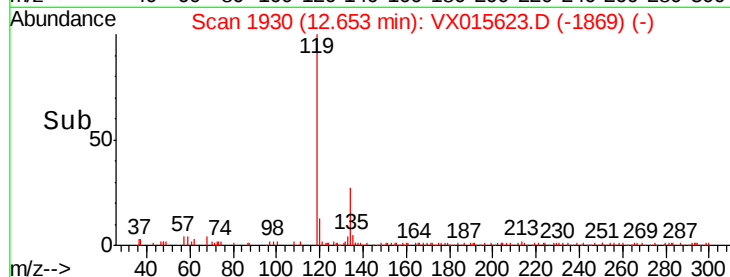
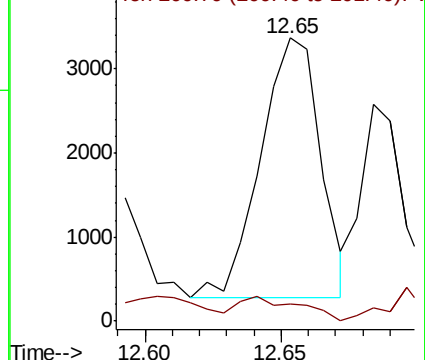
117 100

201 9.6 42.6 128.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.658 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX015623.D

Acq: 10 Apr 2020 15:56

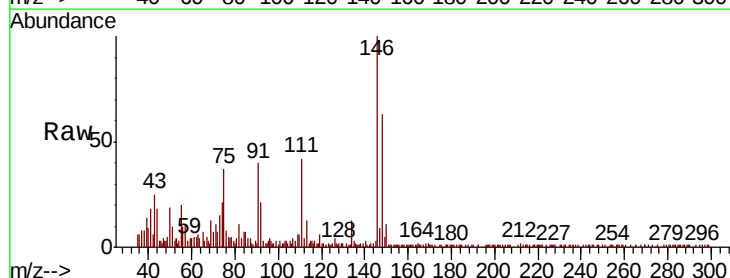
Tgt Ion:146 Resp: 19011

Ion Ratio Lower Upper

146 100

111 44.9 21.0 63.0

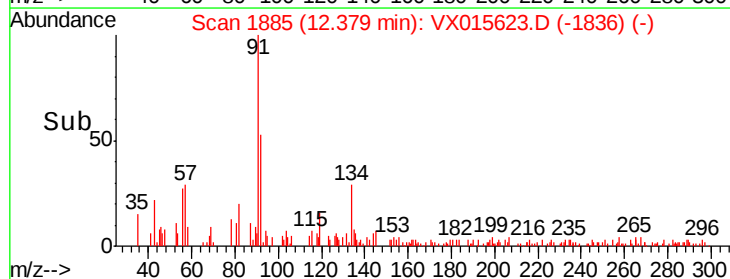
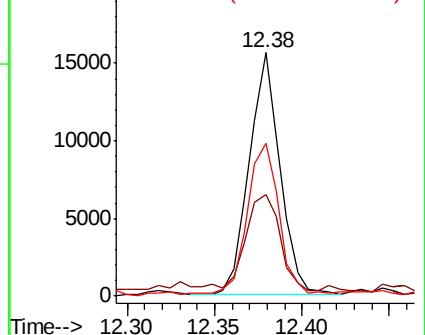
148 62.6 32.4 97.0

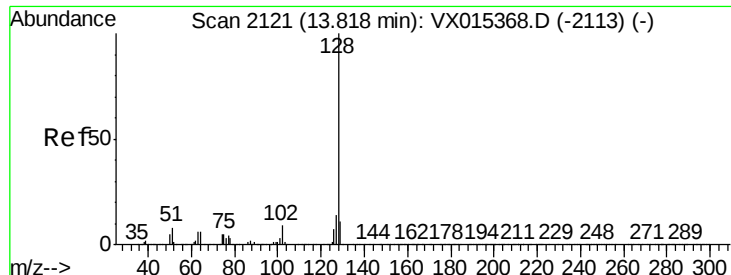


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95  
Naphthalene  
Concen: 11.580 ug/l  
RT: 13.82 min Scan# 2121  
Delta R.T. 0.00 min  
Lab File: VX015623.D  
Acq: 10 Apr 2020 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.6  | 15.8  |
| 129     | 10.9  | 8.8   | 13.2  |

