

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\  
 Data File : VX015851.D  
 Acq On : 22 Apr 2020 18:54  
 Operator : JC/SP  
 Sample : L2379-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST006MW148-200420

Quant Time: Apr 23 04:54:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 04:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 952457   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1438974  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1470692  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 785827   | 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   | 524023   | 48.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.74%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 422032   | 50.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.62% |          |
| 50) Toluene-d8              | 8.70  | 98   | 1804842  | 53.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.96% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 752770   | 54.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.76% |          |

| Target Compounds             | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane             | 1.31  | 50   | 5502     | 0.659  | ug/l # | 85     |
| 4) Vinyl Chloride            | 1.39  | 62   | 392030   | 40.563 | ug/l   | 99     |
| 6) Chloroethane              | 1.72  | 64   | 3334     | 0.605  | ug/l # | 48     |
| 11) Tert butyl alcohol       | 3.01  | 59   | 6698     | 3.026  | ug/l # | 73     |
| 13) Acrolein                 | 2.26  | 56   | 1154     | 0.881  | ug/l # | 15     |
| 14) Allyl chloride           | 2.83  | 41   | 164862   | 9.300  | ug/l # | 68     |
| 15) Acrylonitrile            | 3.11  | 53   | 1038     | 0.202  | ug/l # | 72     |
| 16) Acetone                  | 2.42  | 43   | 42924    | 9.100  | ug/l   | 97     |
| 17) Carbon Disulfide         | 2.55  | 76   | 25087    | 0.828  | ug/l # | 90     |
| 18) Methyl Acetate           | 2.83  | 43   | 421820   | 27.089 | ug/l # | 54     |
| 19) Methyl tert-butyl Ether  | 3.17  | 73   | 9202     | 0.312  | ug/l # | 1      |
| 21) trans-1,2-Dichloroethene | 3.15  | 96   | 8464     | 0.914  | ug/l   | 92     |
| 24) 1,1-Dichloroethane       | 3.67  | 63   | 20765    | 1.247  | ug/l   | 99     |
| 25) 2-Butanone               | 4.64  | 43   | 1543     | 0.207  | ug/l # | 85     |
| 27) cis-1,2-Dichloroethene   | 4.57  | 96   | 387645   | 36.890 | ug/l   | 88     |
| 29) Tetrahydrofuran          | 5.10  | 42   | 7385     | 1.498  | ug/l # | 49     |
| 31) Cyclohexane              | 5.55  | 56   | 34746    | 2.195  | ug/l # | 86     |
| 32) 1,1,1-Trichloroethane    | 5.47  | 97   | 21568    | 1.444  | ug/l # | 47     |
| 36) 1,1-Dichloropropene      | 5.64  | 75   | 65697    | 5.150  | ug/l # | 45     |
| 38) Carbon Tetrachloride     | 5.64  | 117  | 87273    | 6.945  | ug/l # | 16     |
| 39) Methylcyclohexane        | 7.43  | 83   | 157029   | 9.720  | ug/l # | 54     |
| 40) Benzene                  | 6.12  | 78   | 29374    | 0.765  | ug/l   | 97     |
| 43) Isopropyl Acetate        | 6.32  | 43   | 79314    | 3.097  | ug/l # | 64     |
| 48) Methyl methacrylate      | 7.71  | 41   | 3625     | 0.288  | ug/l # | 43     |
| 49) 1,4-Dioxane              | 7.72  | 88   | 1228     | 5.158  | ug/l # | 45     |
| 51) 4-Methyl-2-Pentanone     | 8.37  | 43   | 10853    | 0.734  | ug/l   | 95     |
| 52) Toluene                  | 8.77  | 92   | 5158     | 0.209  | ug/l   | 99     |
| 55) 1,1,2-Trichloroethane    | 9.15  | 97   | 101033   | 10.506 | ug/l # | 18     |
| 56) Ethyl methacrylate       | 9.15  | 69   | 23026    | 1.414  | ug/l # | 1      |
| 59) 2-Hexanone               | 9.29  | 43   | 17546    | 1.558  | ug/l   | 90     |
| 65) Chlorobenzene            | 10.12 | 112  | 17055    | 0.580  | ug/l   | 96     |
| 67) Ethyl Benzene            | 10.24 | 91   | 16770    | 0.325  | ug/l   | 90     |
| 68) m/p-Xylenes              | 10.34 | 106  | 4673     | 0.241  | ug/l   | 99     |
| 73) Isopropylbenzene         | 11.00 | 105  | 19131    | 0.383  | ug/l   | 85     |

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 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 04:36:12 2020  
 Response via : Initial Calibration

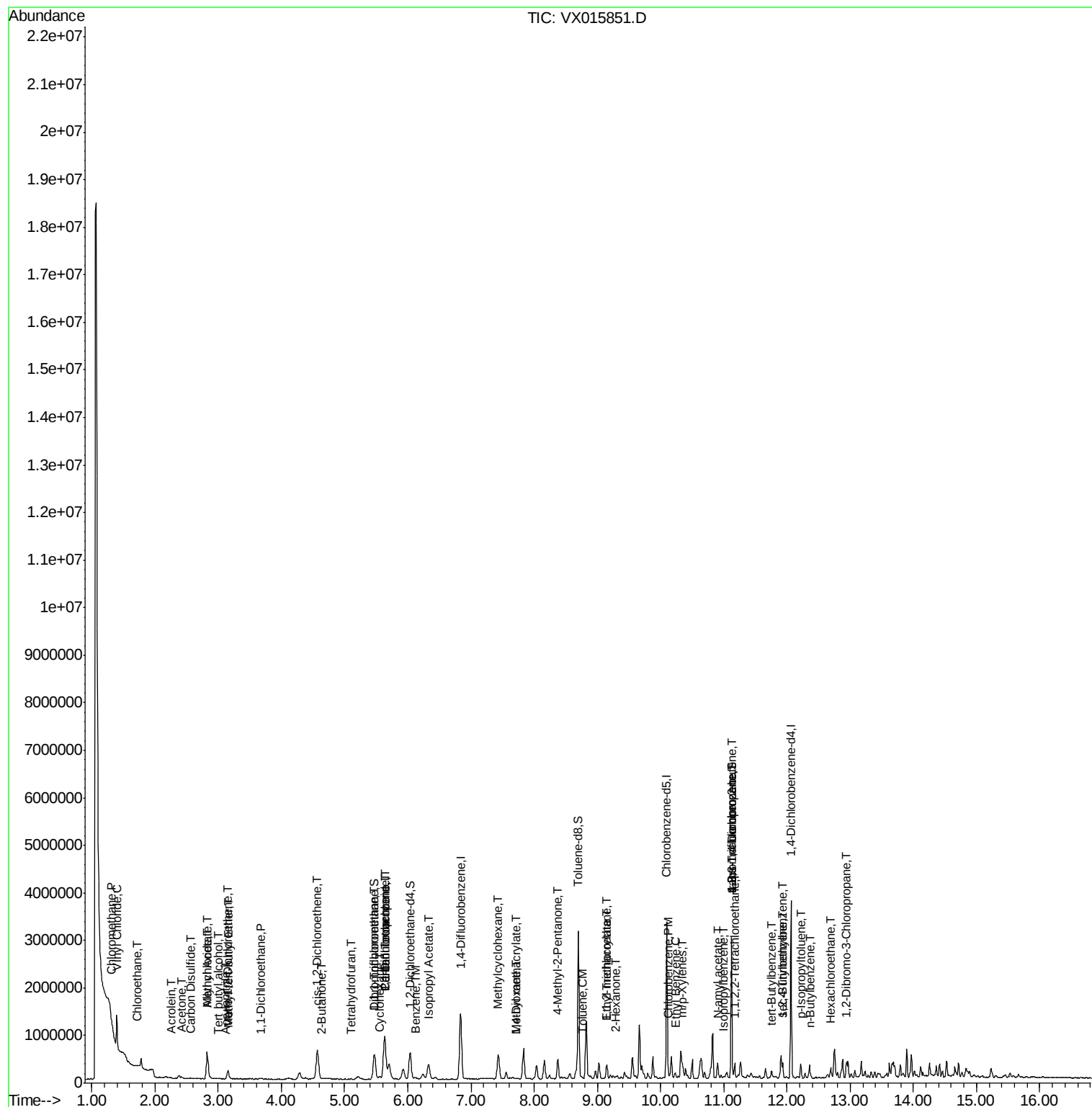
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 74) N-amyl acetate             | 10.91 | 43   | 13571    | 0.527  | ug/l # | 1        |
| 75) 1,1,2,2-Tetrachloroethane  | 11.17 | 83   | 5993     | 0.567  | ug/l   | 74       |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 368632   | 24.669 | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 368632   | 59.342 | ug/l # | 12       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 61170    | 1.620  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene     | 11.93 | 105  | 175801   | 3.979  | ug/l # | 31       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 175801   | 3.533  | ug/l # | 56       |
| 86) p-Isopropyltoluene         | 12.22 | 119  | 143259   | 3.079  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 19435    | 0.467  | ug/l # | 57       |
| 90) Hexachloroethane           | 12.68 | 117  | 65310    | 13.287 | ug/l # | 4        |
| 92) 1,2-Dibromo-3-Chloropropan | 12.94 | 75   | 635      | 0.203  | ug/l # | 20       |

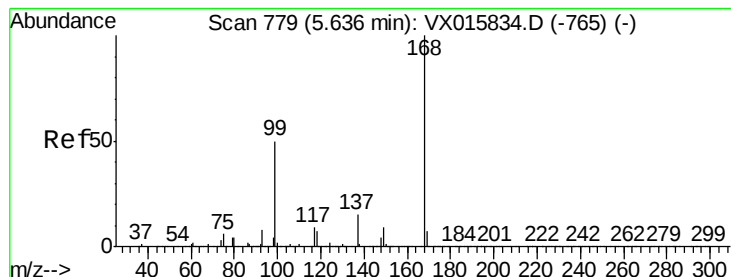
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

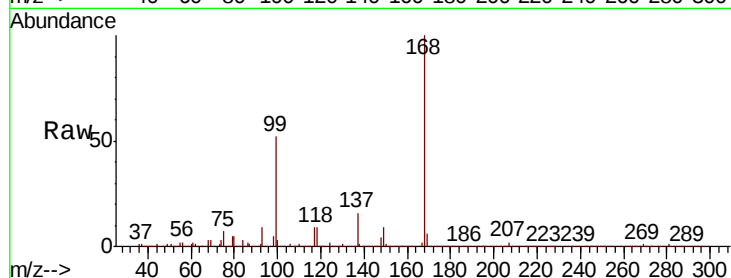
ST006MW148-200420

Tot Ion:168 Resp: 952457

Ion Ratio Lower Upper

168 100

99 51.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

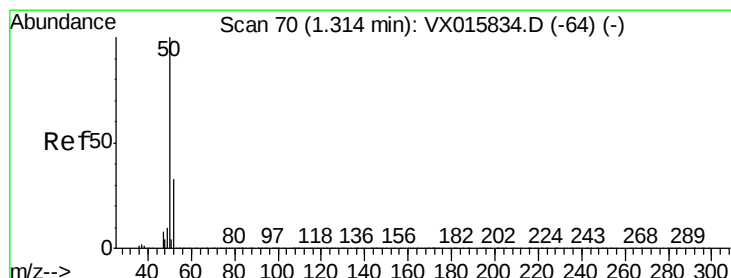
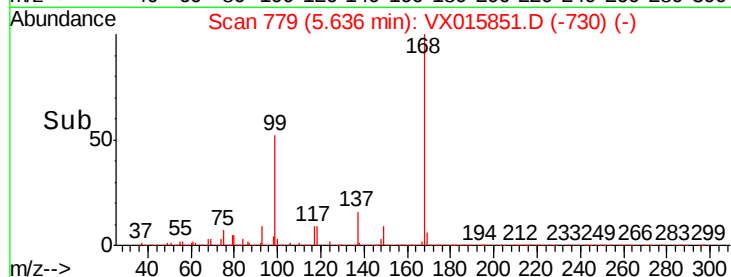
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.659 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015851.D

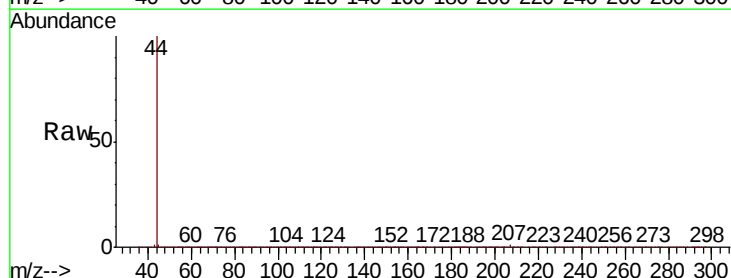
Acq: 22 Apr 2020 18:54

Tgt Ion: 50 Resp: 5502

Ion Ratio Lower Upper

50 100

52 24.4 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

6000

5000

4000

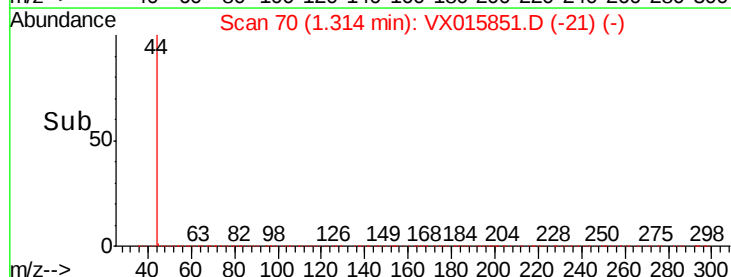
3000

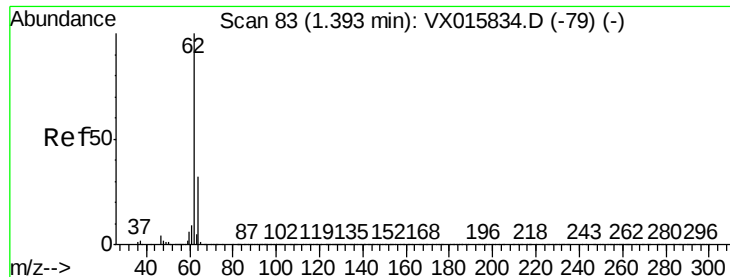
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 40.563 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

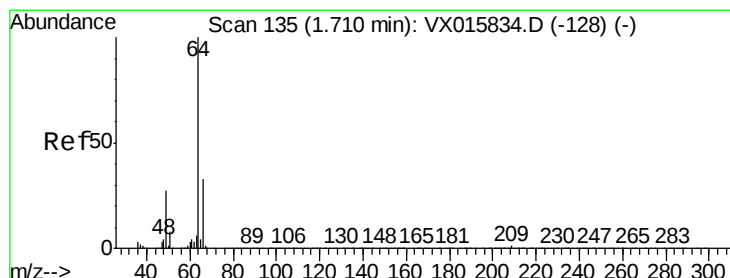
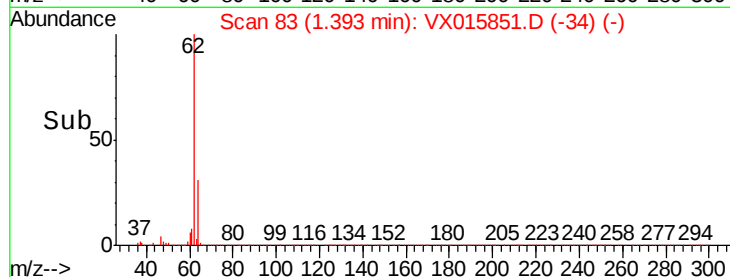
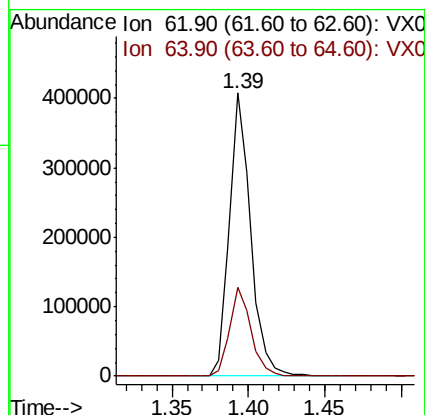
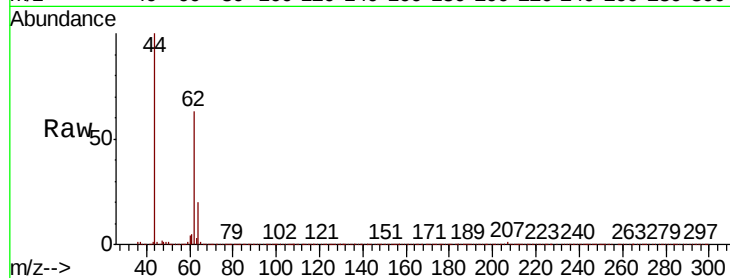
ST006MW148-200420

Tot Ion: 62 Resp: 392030

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2



#6

Chloroethane

Concen: 0.605 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015851.D

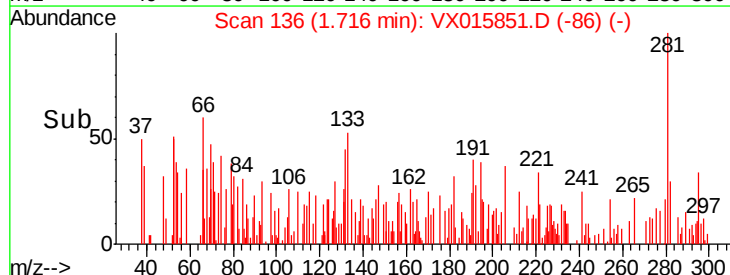
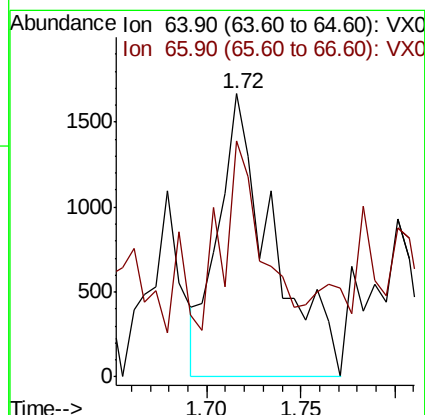
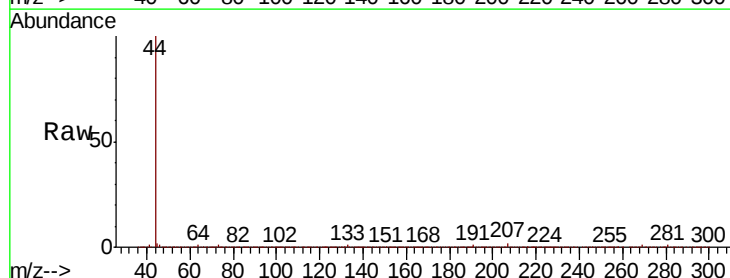
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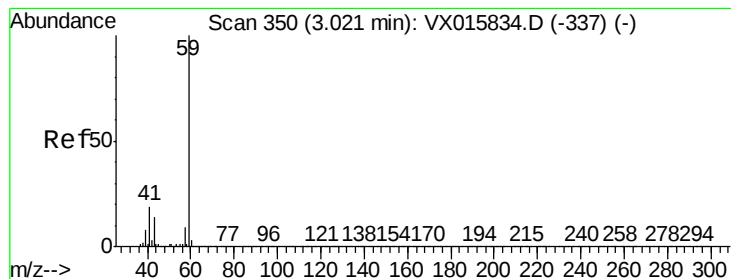
Tgt Ion: 64 Resp: 3334

Ion Ratio Lower Upper

64 100

66 61.8 26.2 39.2#



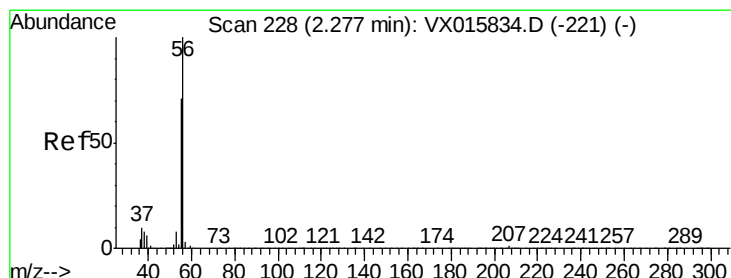
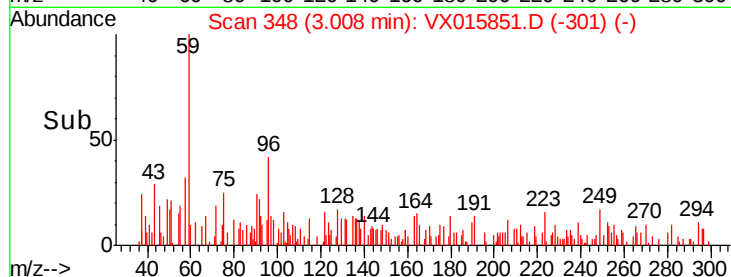
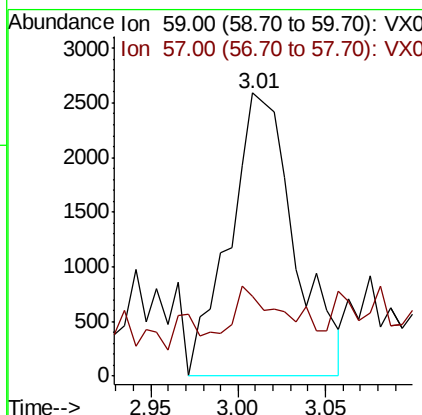
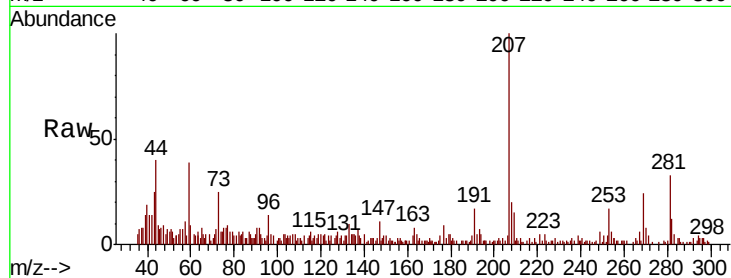


#11

Tert butyl alcohol  
Concen: 3.026 ug/l  
RT: 3.01 min Scan# 348  
Delta R.T. -0.01 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST006MW148-200420

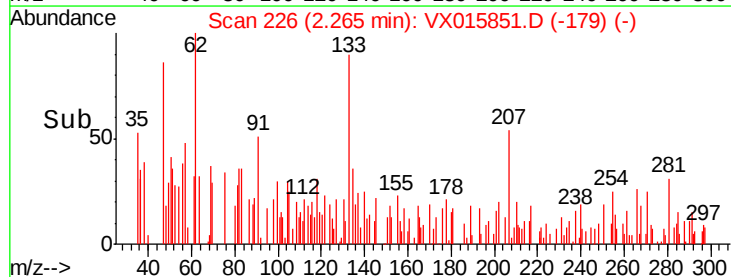
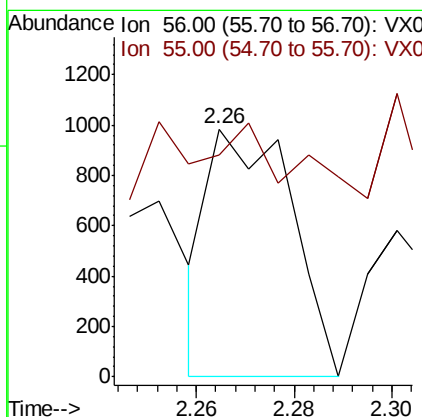
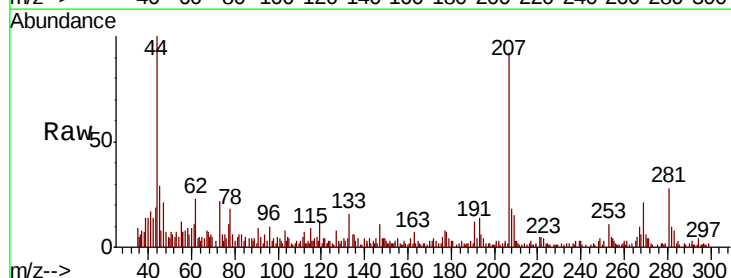
Tot Ion: 59 Resp: 6698  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

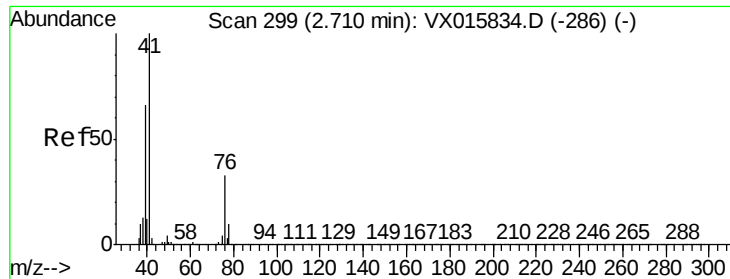


#13

Acrolein  
Concen: 0.881 ug/l  
RT: 2.26 min Scan# 226  
Delta R.T. -0.01 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

Tgt Ion: 56 Resp: 1154  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.1 84.1#

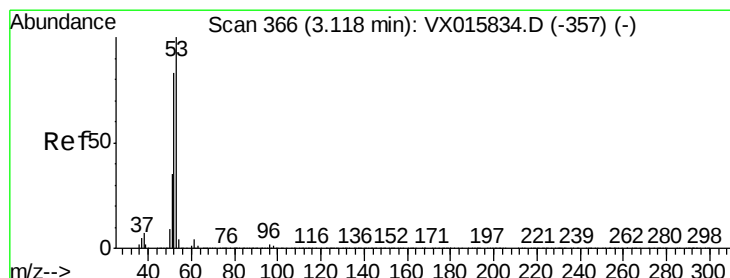
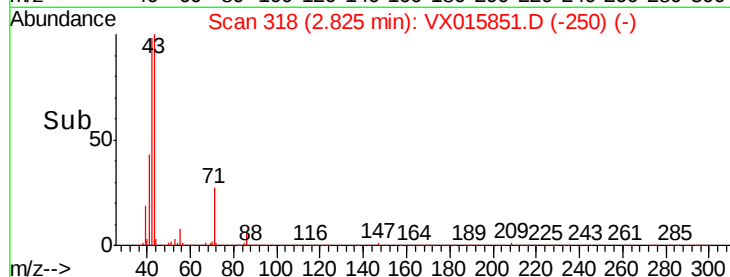
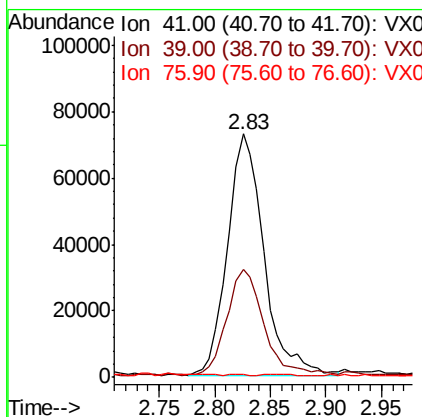
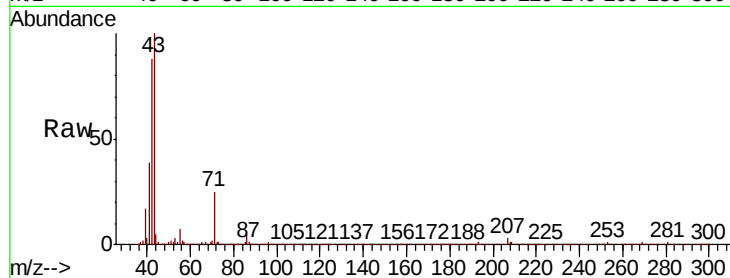




#14  
Allvl chloride  
Concen: 9.300 ug/l  
RT: 2.83 min Scan# 318  
Delta R.T. 0.12 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

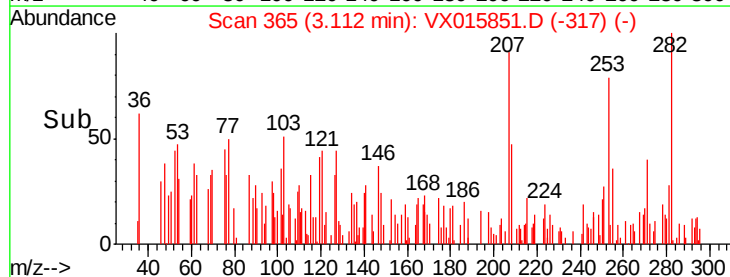
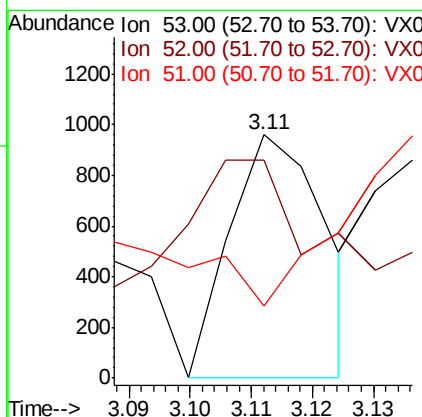
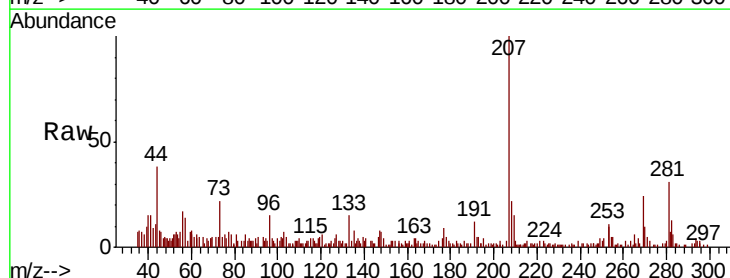
Instrument :  
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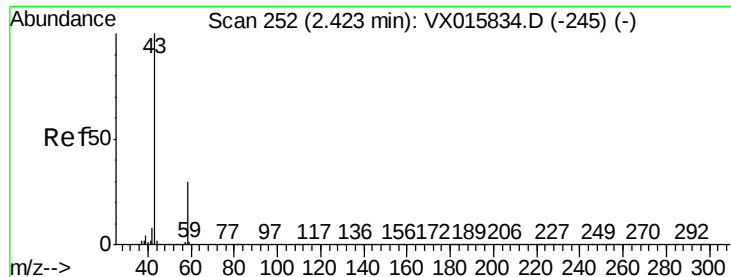
Tot Ion: 41 Resp: 164862  
Ion Ratio Lower Upper  
41 100  
39 44.6 48.4 72.6#  
76 0.0 23.8 35.8#



#15  
Acrylonitrile  
Concen: 0.202 ug/l  
RT: 3.11 min Scan# 365  
Delta R.T. -0.01 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

Tgt Ion: 53 Resp: 1038  
Ion Ratio Lower Upper  
53 100  
52 70.7 66.2 99.4  
51 0.0 28.6 43.0#





#16

Acetone

Concen: 9.100 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

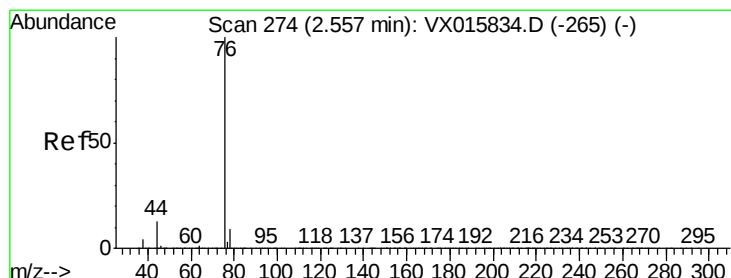
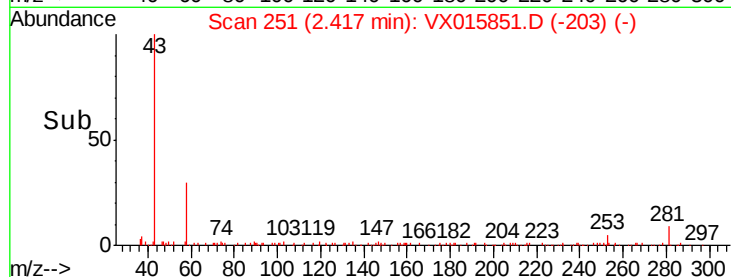
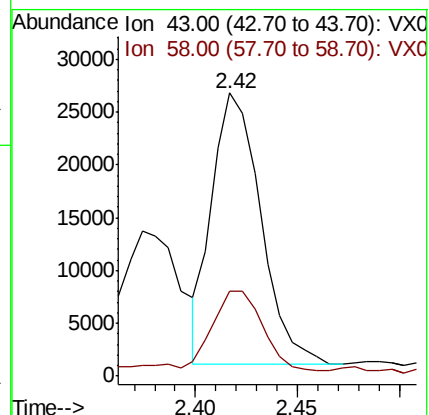
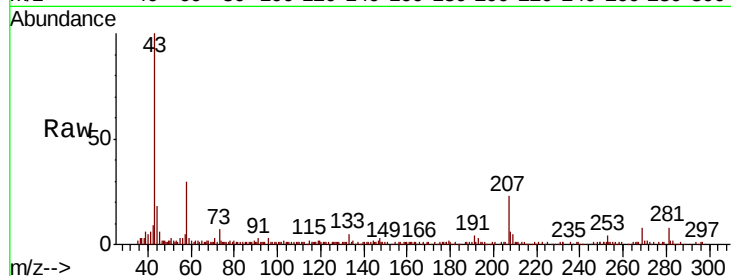
ST006MW148-200420

Tot Ion: 43 Resp: 42924

Ion Ratio Lower Upper

43 100

58 28.4 24.0 36.0



#17

Carbon Disulfide

Concen: 0.828 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015851.D

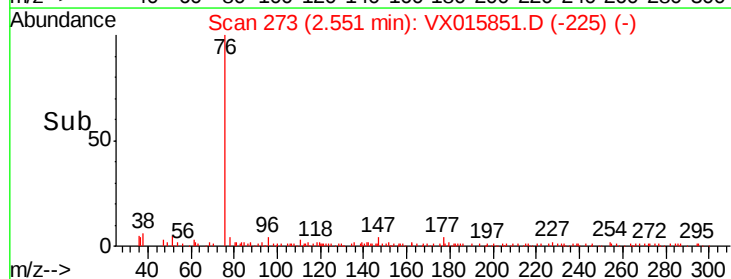
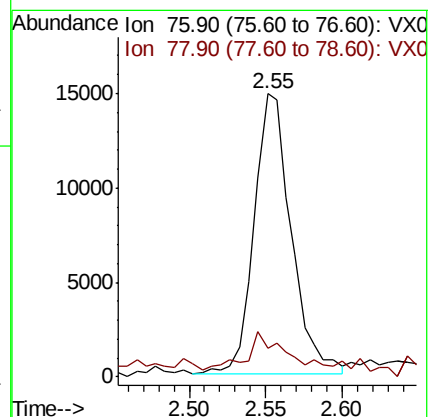
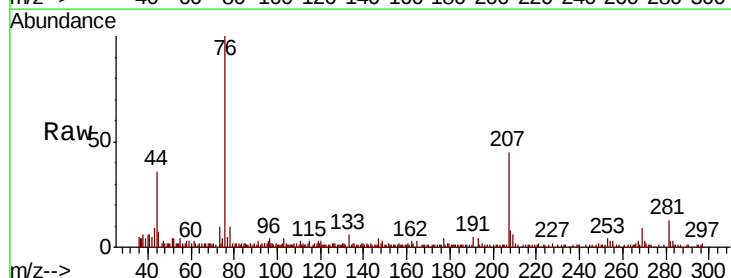
Acq: 22 Apr 2020 18:54

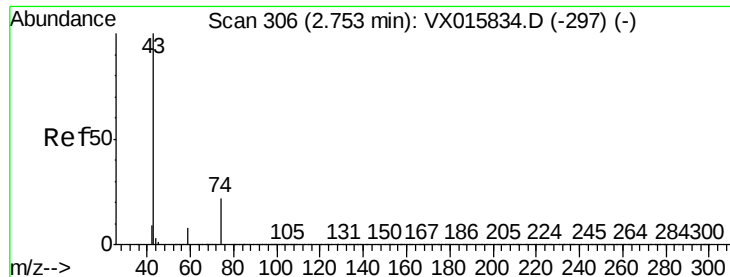
Tgt Ion: 76 Resp: 25087

Ion Ratio Lower Upper

76 100

78 5.7 7.4 11.2#

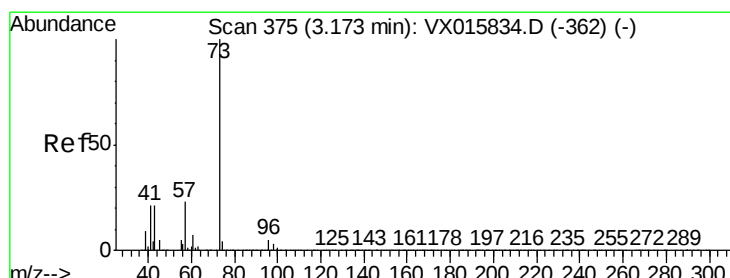
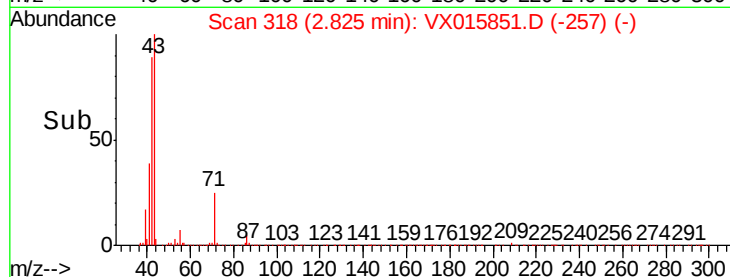
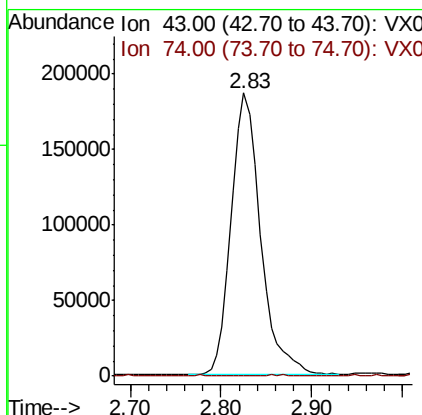
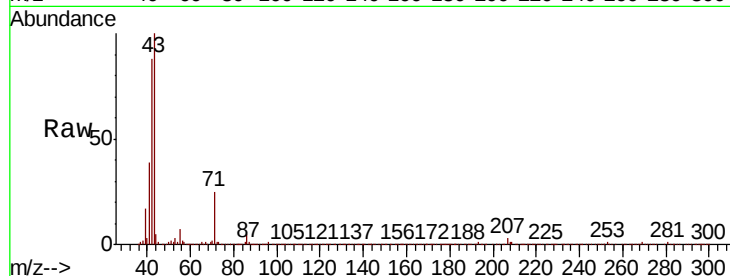




#18  
Methyl Acetate  
Concen: 27.089 ug/l  
RT: 2.83 min Scan# 318  
Delta R.T. 0.07 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

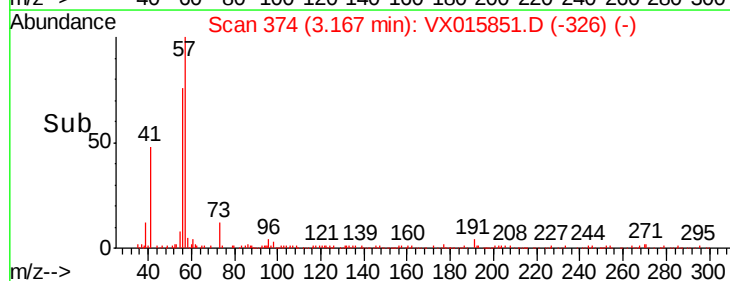
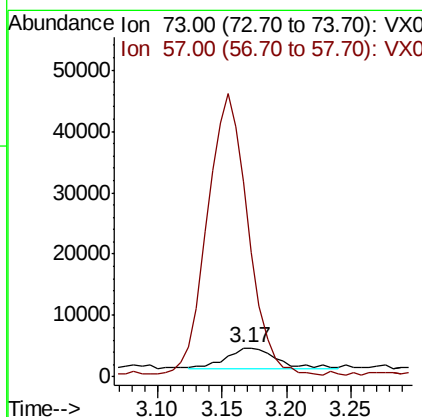
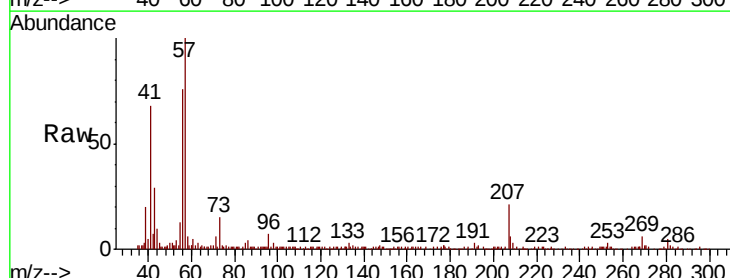
Instrument :  
MSVOA\_X  
ClientSampleId :  
ST006MW148-200420

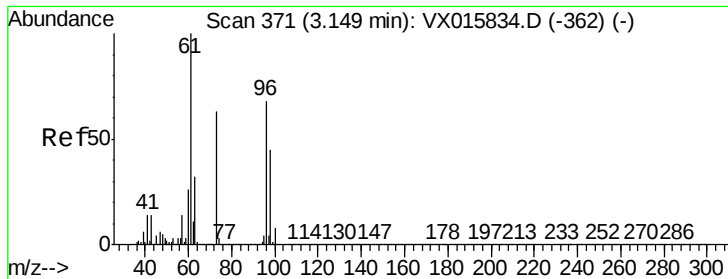
Tot Ion: 43 Resp: 421820  
Ion Ratio Lower Upper  
43 100  
74 0.2 17.9 26.9#



#19  
Methyl tert-butyl Ether  
Concen: 0.312 ug/l  
RT: 3.17 min Scan# 374  
Delta R.T. -0.01 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

Tgt Ion: 73 Resp: 9202  
Ion Ratio Lower Upper  
73 100  
57 972.6 18.1 27.1#





#21

trans-1,2-Dichloroethene

Concen: 0.914 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

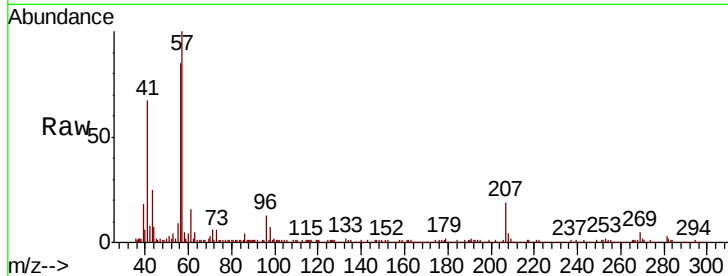
Tot Ion: 96 Resp: 8464

Ion Ratio Lower Upper

96 100

61 139.3 117.5 176.3

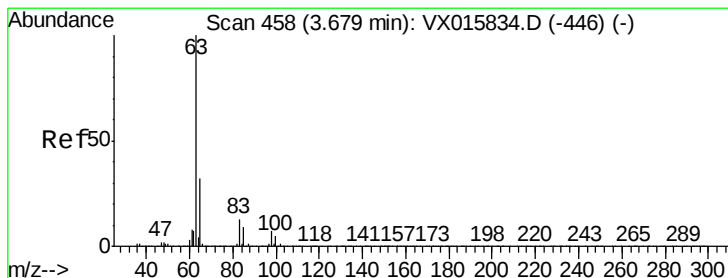
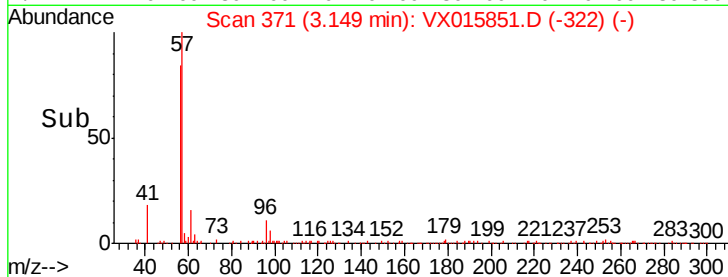
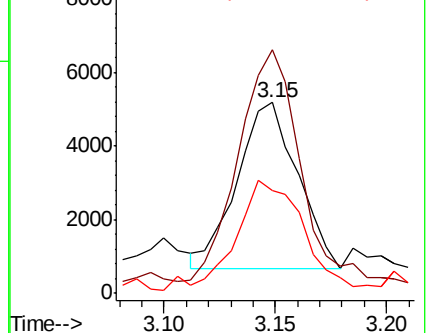
98 57.3 52.7 79.1



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



#24

1,1-Dichloroethane

Concen: 1.247 ug/l

RT: 3.67 min Scan# 457

Delta R.T. -0.01 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

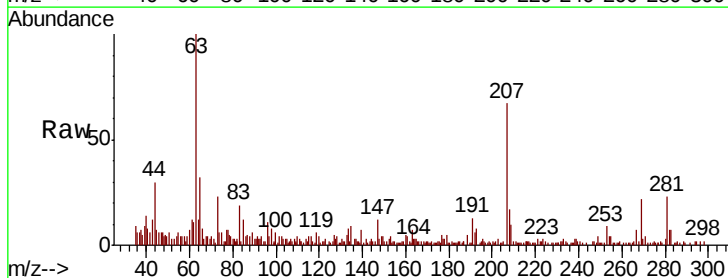
Tgt Ion: 63 Resp: 20765

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

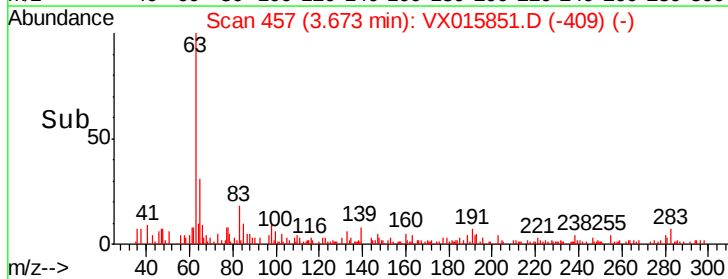
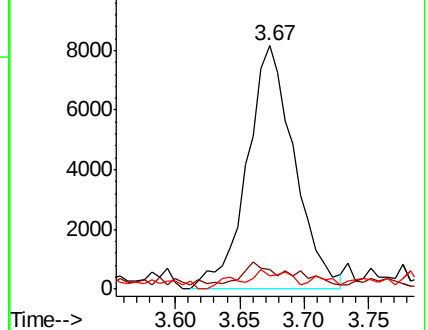
100 4.0 2.3 6.8

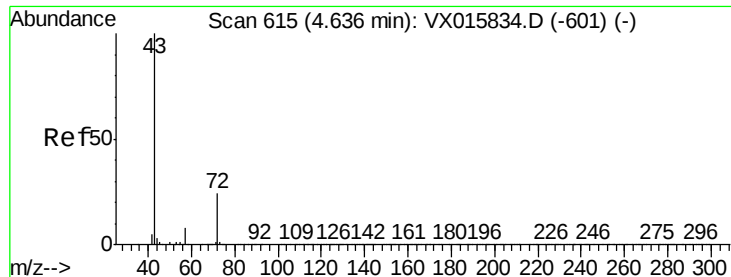


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.207 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

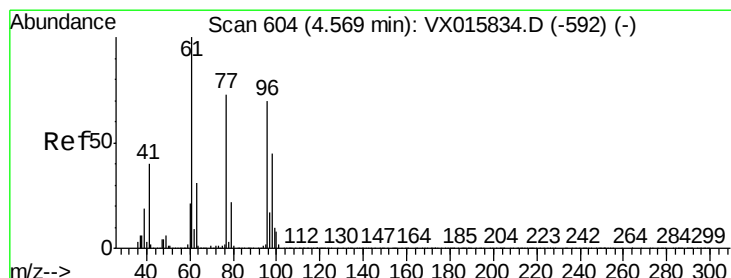
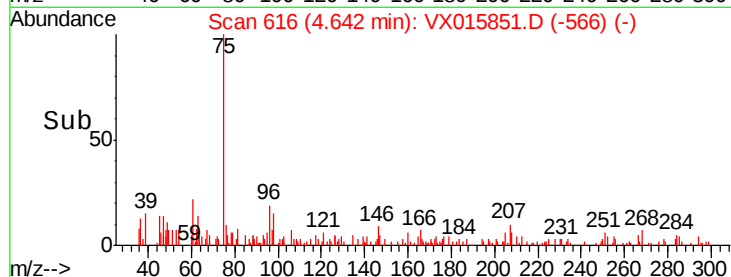
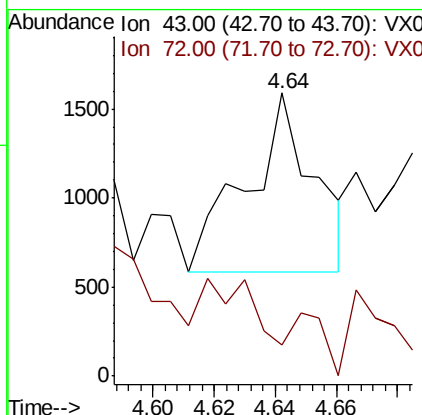
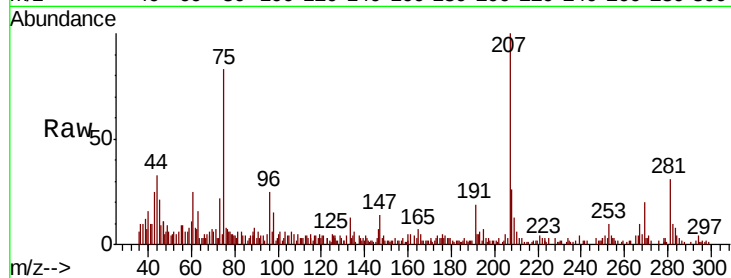
ST006MW148-200420

Tot Ion: 43 Resp: 1543

Ion Ratio Lower Upper

43 100

72 17.1 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 36.890 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

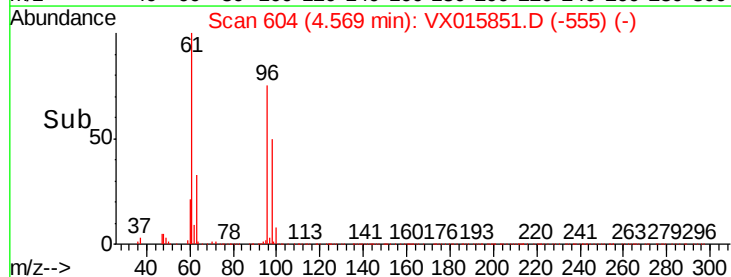
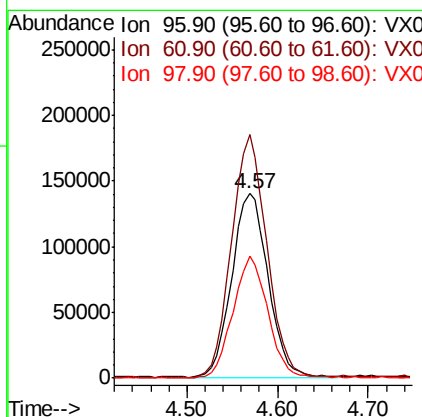
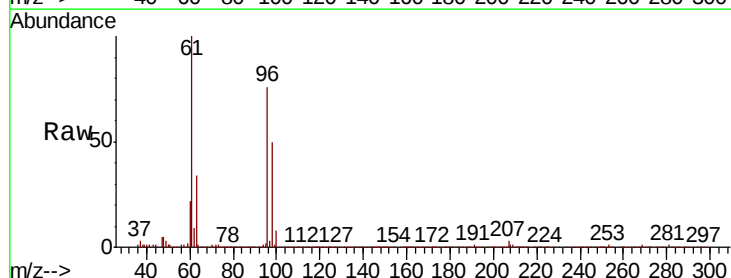
Tgt Ion: 96 Resp: 387645

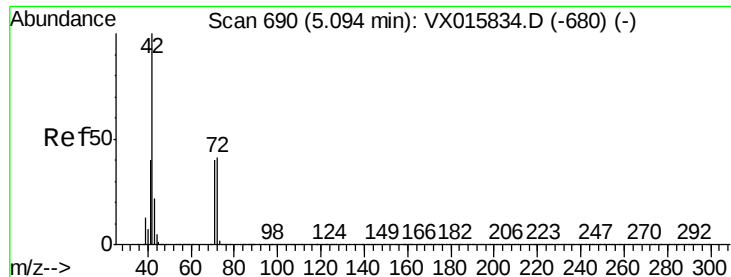
Ion Ratio Lower Upper

96 100

61 128.9 0.0 299.4

98 63.8 0.0 129.6





#29

Tetrahydrofuran

Concen: 1.498 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

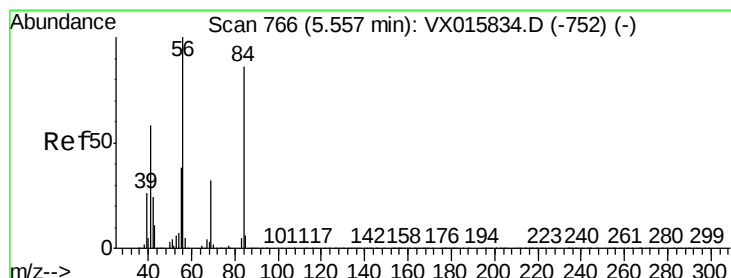
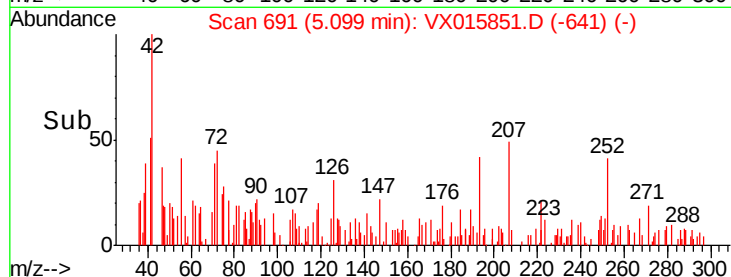
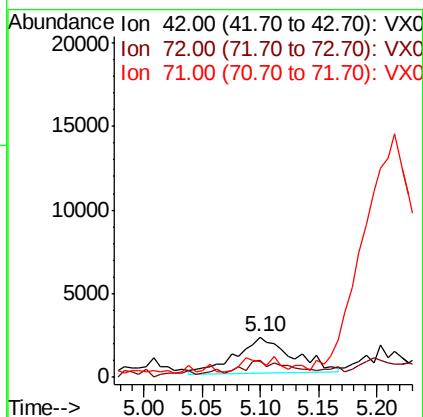
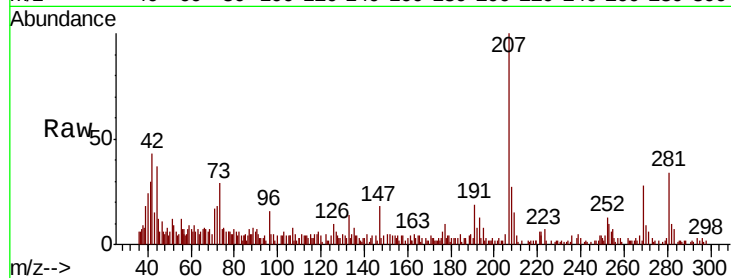
Tot Ion: 42 Resp: 7385

Ion Ratio Lower Upper

42 100

72 16.5 33.0 49.6#

71 0.0 30.6 45.8#



#31

Cyclohexane

Concen: 2.195 ug/l

RT: 5.55 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

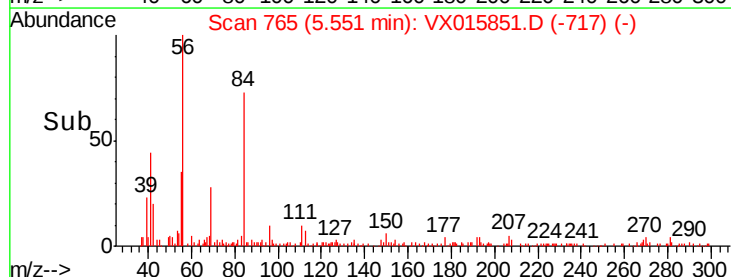
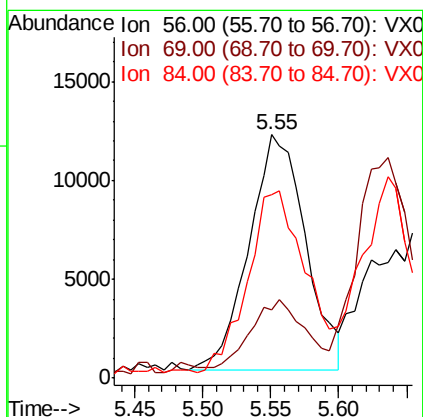
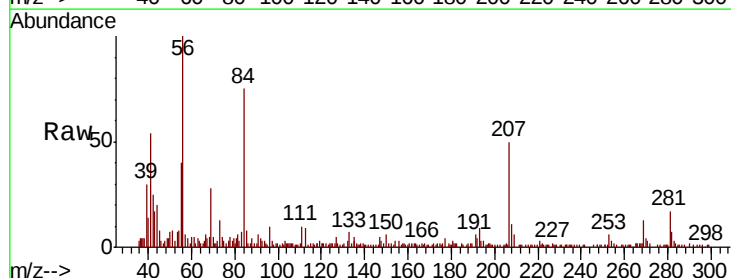
Tgt Ion: 56 Resp: 34746

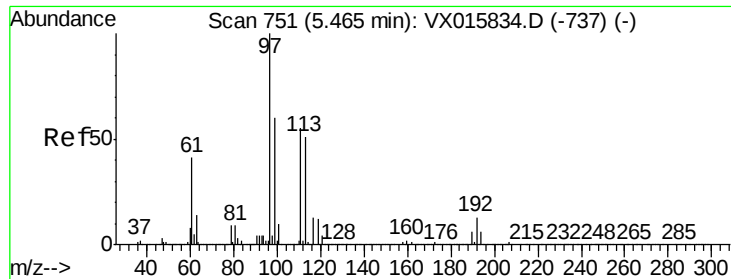
Ion Ratio Lower Upper

56 100

69 23.0 25.3 37.9#

84 74.6 69.1 103.7





#32

1,1,1-Trichloroethane

Concen: 1.444 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

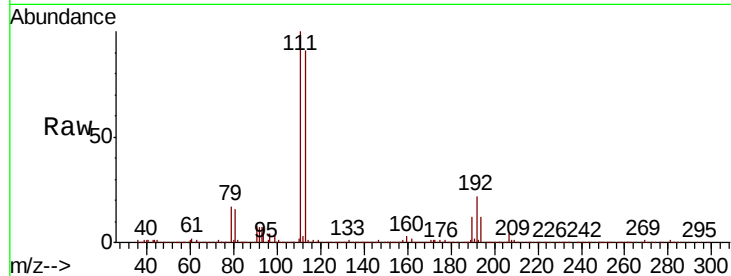
Tot Ion: 97 Resp: 21568

Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8#

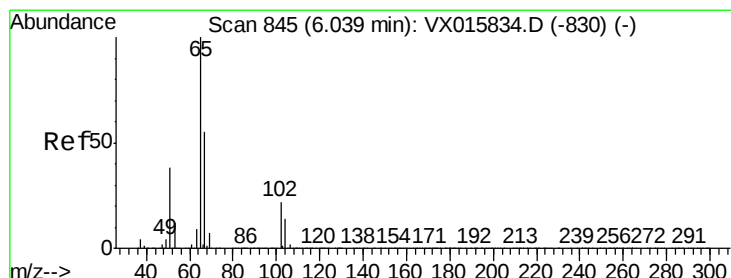
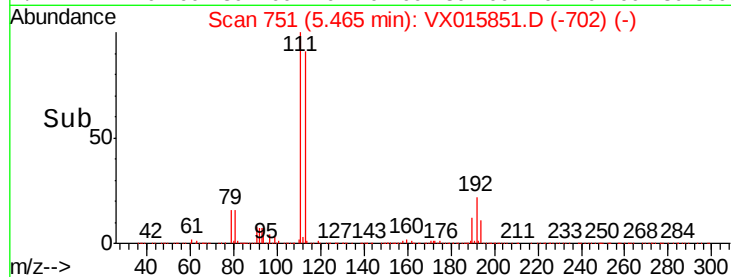
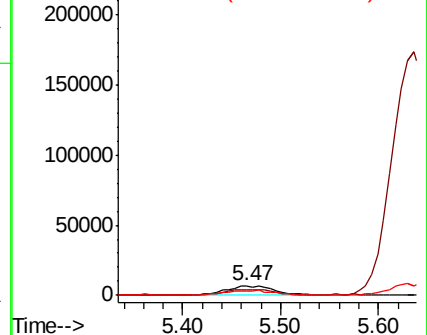
61 48.8 34.1 51.1



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.374 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015851.D

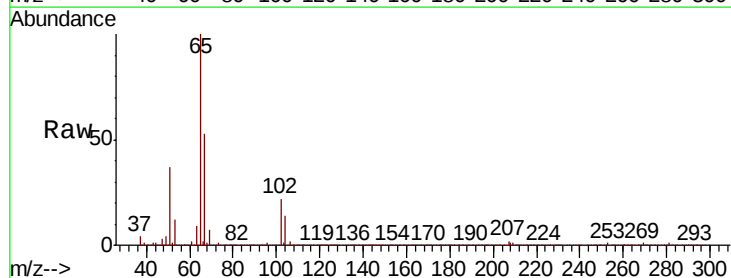
Acq: 22 Apr 2020 18:54

Tgt Ion: 65 Resp: 524023

Ion Ratio Lower Upper

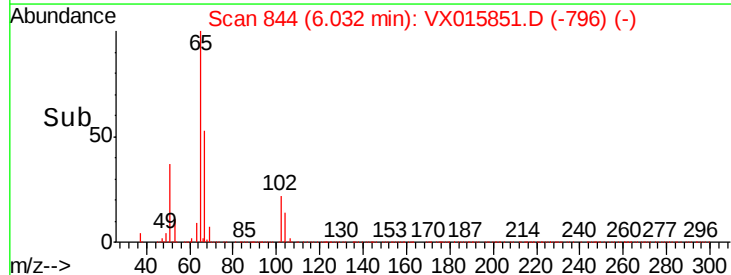
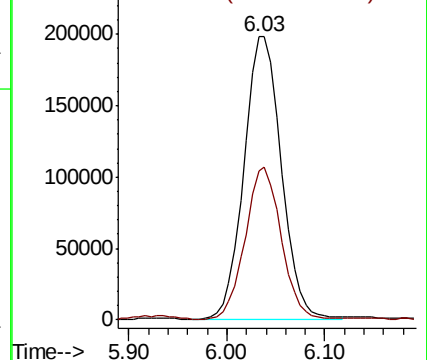
65 100

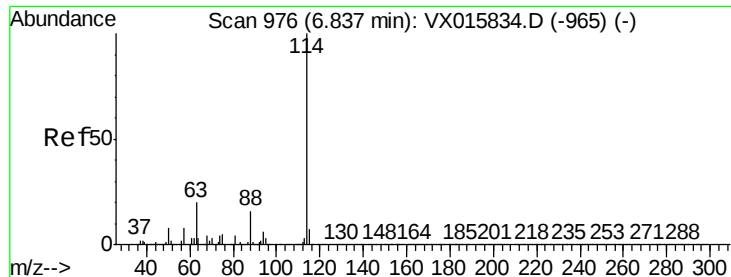
67 52.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

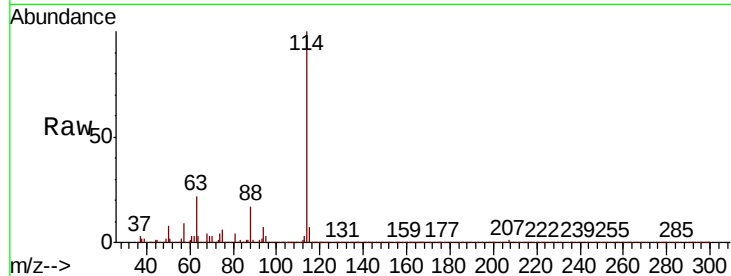
Tot Ion:114 Resp: 1438974

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.6

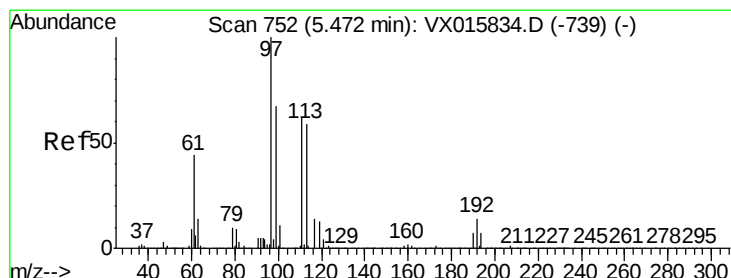
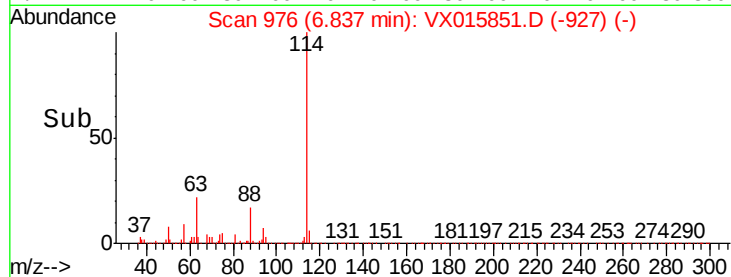
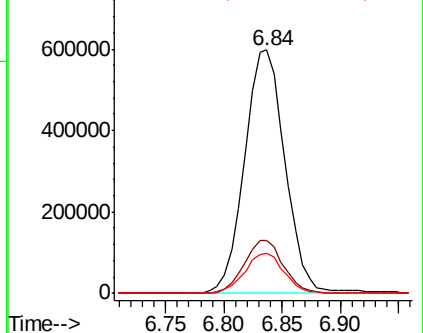
88 16.7 0.0 32.8



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: 50.810 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

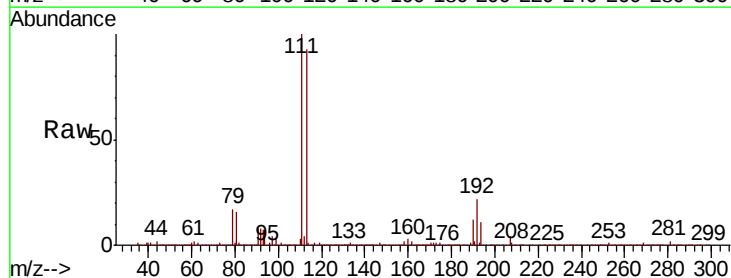
Tgt Ion:113 Resp: 422032

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

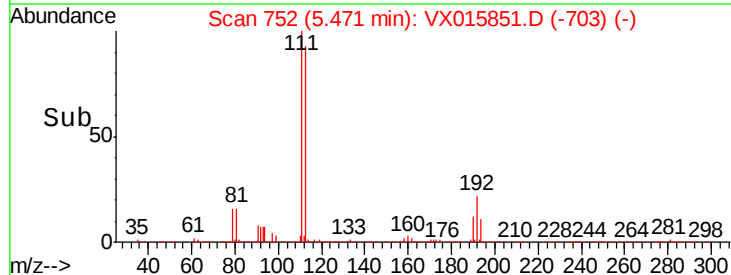
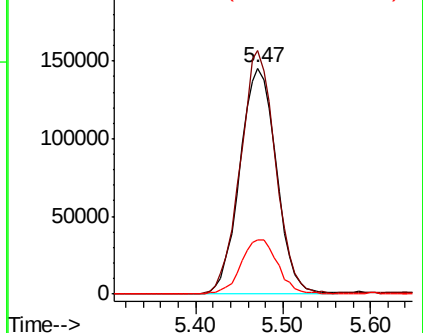
192 24.3 19.3 28.9

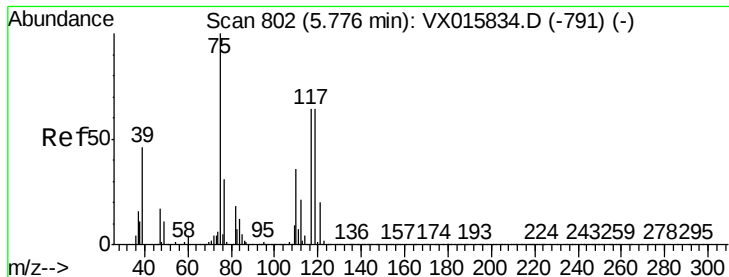


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

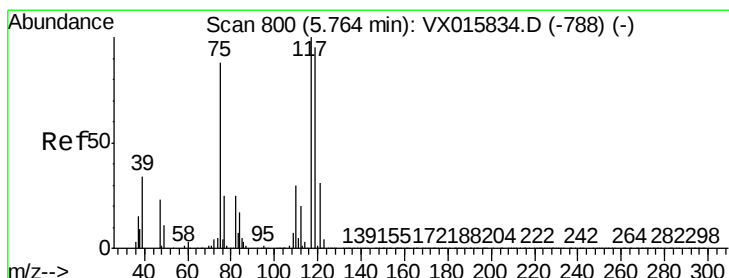
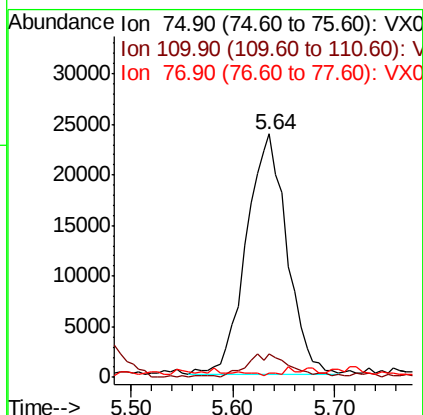
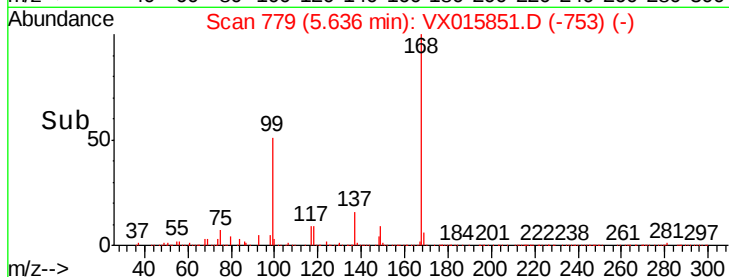
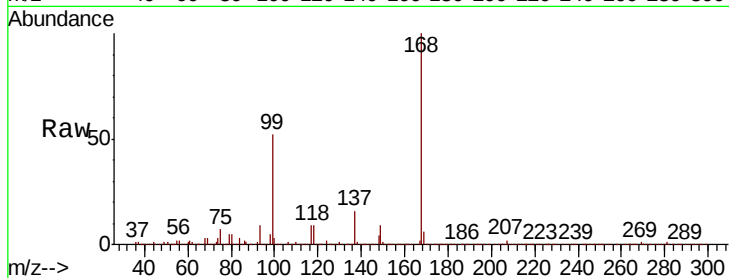




#36  
 1,1-Dichloropropene  
 Concen: 5.150 ug/l  
 RT: 5.64 min Scan# 779  
 Delta R.T. -0.14 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

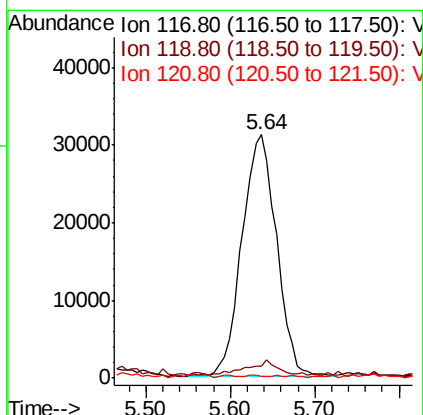
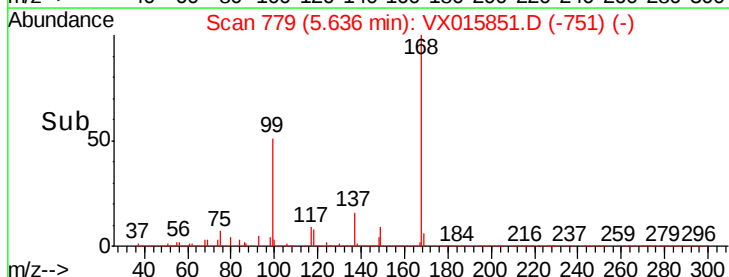
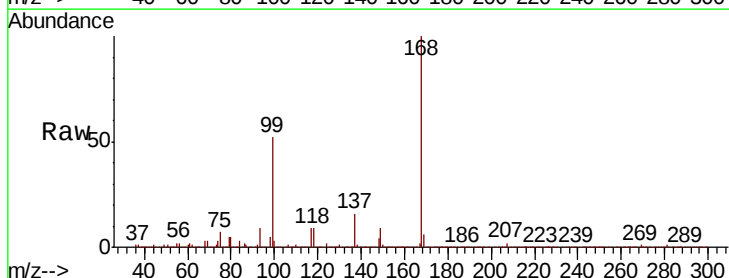
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST006MW148-200420

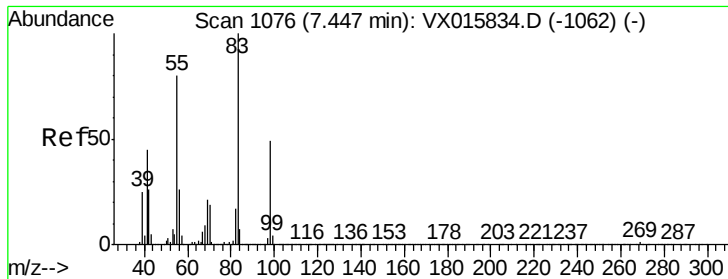
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 4.6   | 17.9  | 53.8# |
| 77      | 0.0   | 24.5  | 36.7# |



#38  
 Carbon Tetrachloride  
 Concen: 6.945 ug/l  
 RT: 5.64 min Scan# 779  
 Delta R.T. -0.13 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 3.9   | 75.7  | 113.5# |
| 121     | 0.0   | 25.0  | 37.6#  |





#39

Methvlcvclohexane

Concen: 9.720 ug/l

RT: 7.43 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

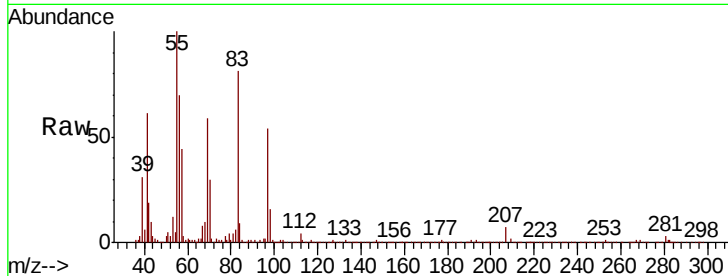
Tot Ion: 83 Resp: 157029

Ion Ratio Lower Upper

83 100

55 122.6 64.2 96.4#

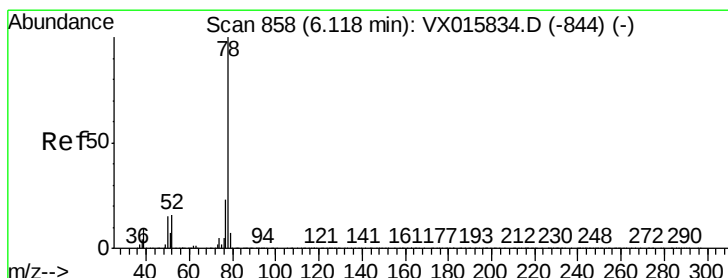
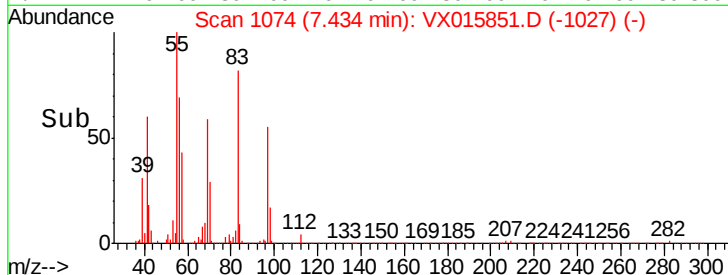
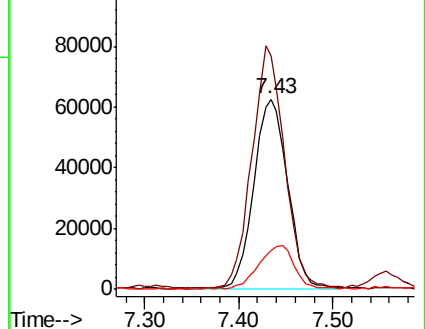
98 20.0 39.3 58.9#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 0.765 ug/l

RT: 6.12 min Scan# 858

Delta R.T. -0.00 min

Lab File: VX015851.D

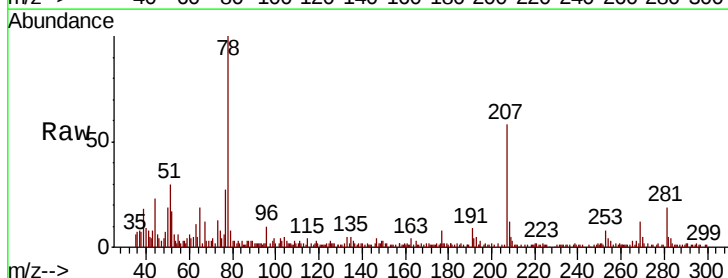
Acq: 22 Apr 2020 18:54

Tgt Ion: 78 Resp: 29374

Ion Ratio Lower Upper

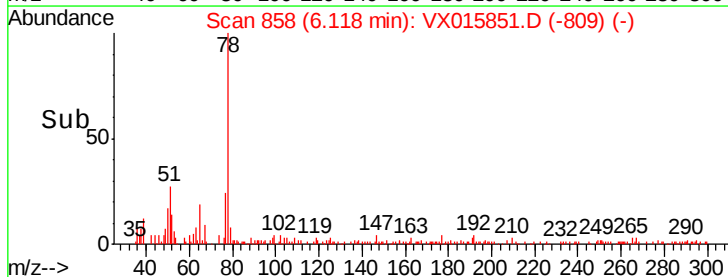
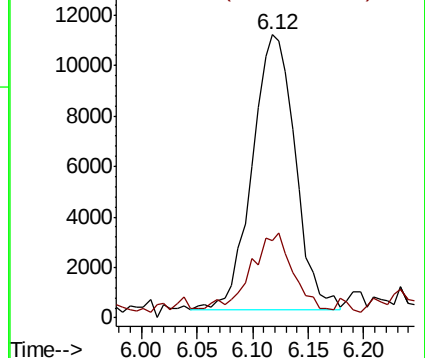
78 100

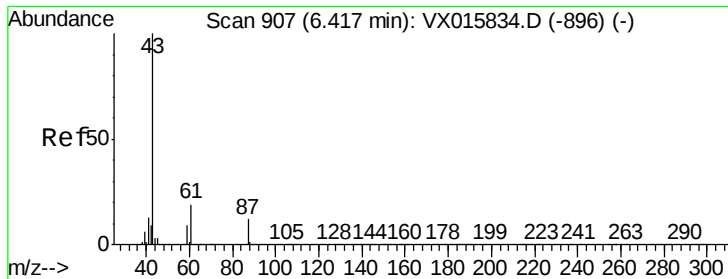
77 24.7 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



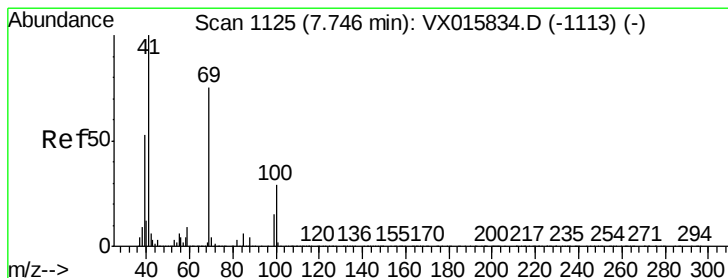
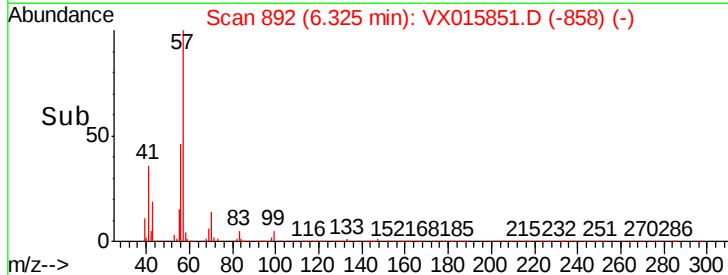
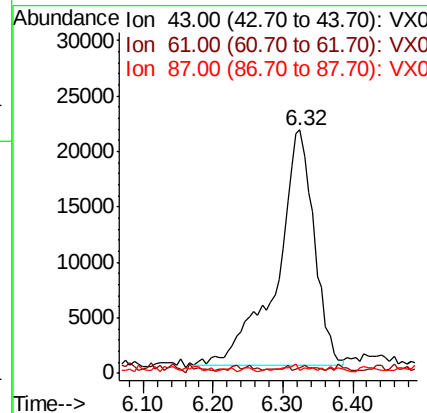
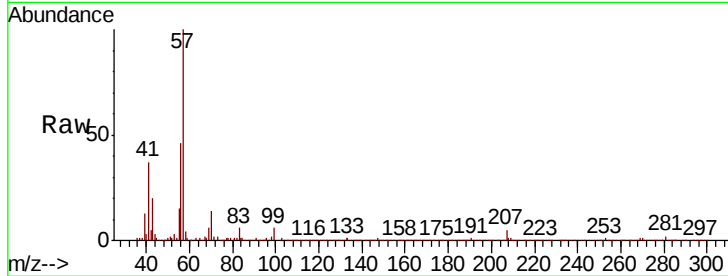


#43

Isopropyl Acetate  
 Concen: 3.097 ug/l  
 RT: 6.32 min Scan# 892  
 Delta R.T. -0.09 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST006MW148-200420

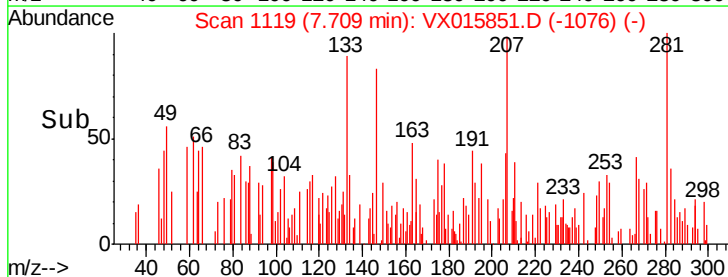
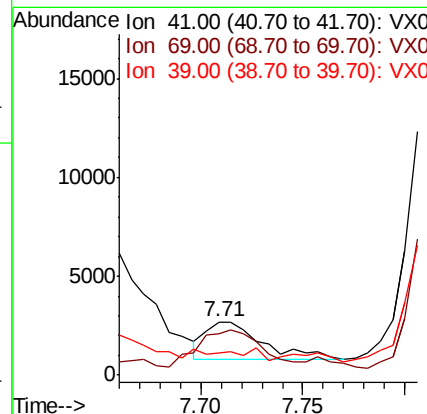
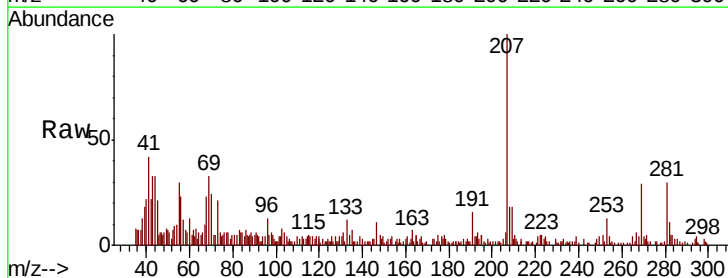
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.7   | 15.4  | 23.2# |
| 87      | 1.3   | 9.8   | 14.6# |

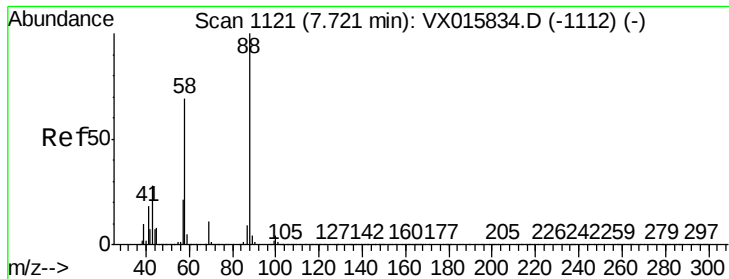


#48

Methyl methacrylate  
 Concen: 0.288 ug/l  
 RT: 7.71 min Scan# 1119  
 Delta R.T. -0.04 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 114.1 | 60.5  | 90.7# |
| 39      | 0.0   | 42.1  | 63.1# |





#49

1,4-Dioxane

Concen: 5.158 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

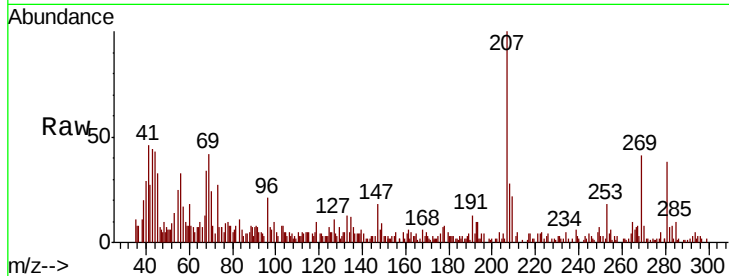
Tot Ion: 88 Resp: 1228

Ion Ratio Lower Upper

88 100

43 0.0 28.2 42.4#

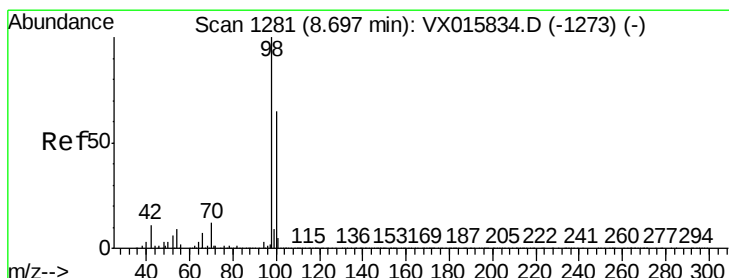
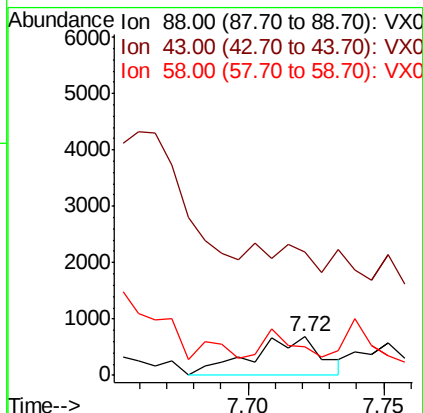
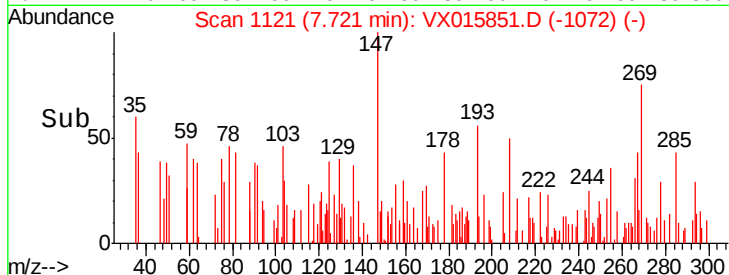
58 29.2 58.9 88.3#



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: 53.977 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015851.D

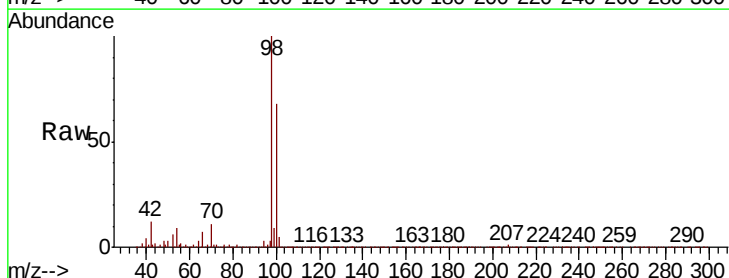
Acq: 22 Apr 2020 18:54

Tgt Ion: 98 Resp: 1804842

Ion Ratio Lower Upper

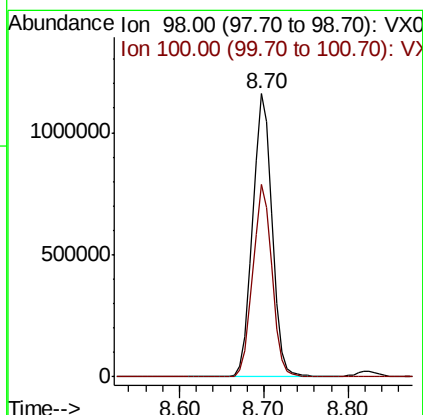
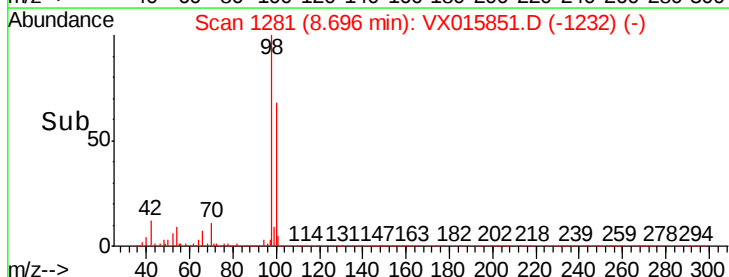
98 100

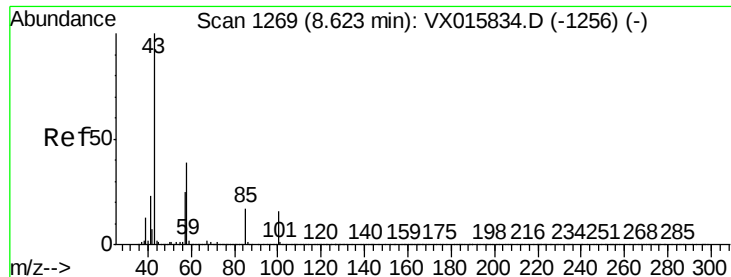
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

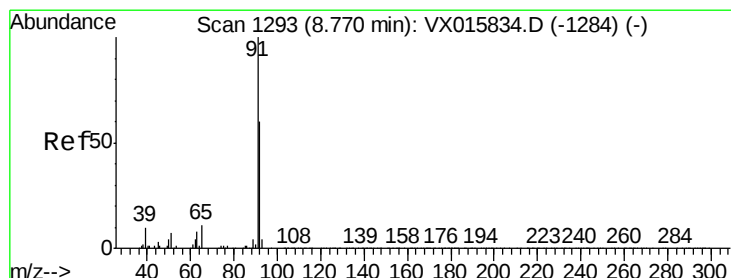
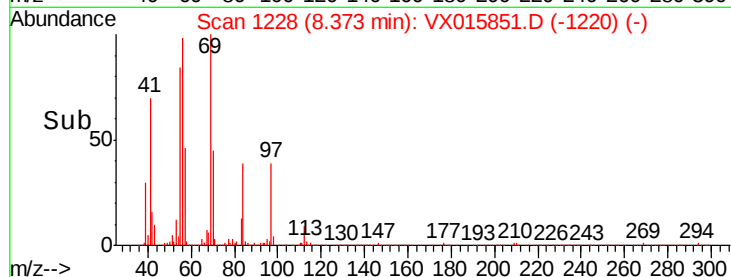
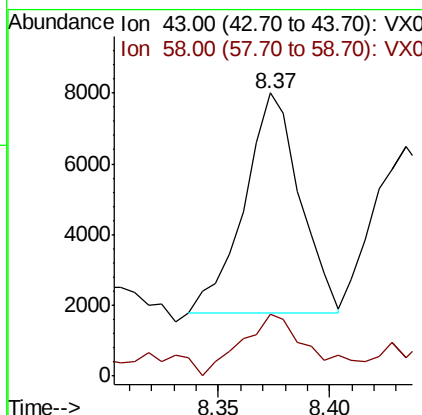
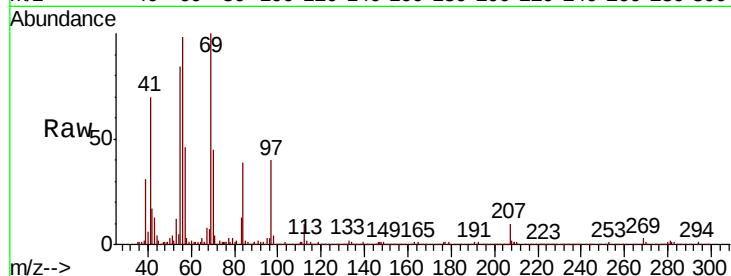




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.734 ug/l  
 RT: 8.37 min Scan# 1228  
 Delta R.T. -0.25 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

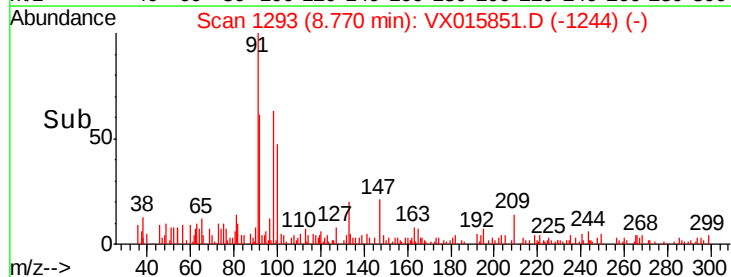
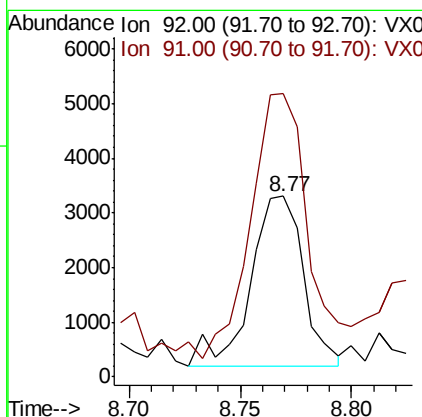
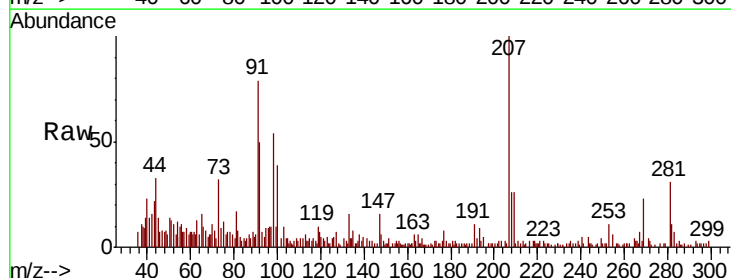
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST006MW148-200420

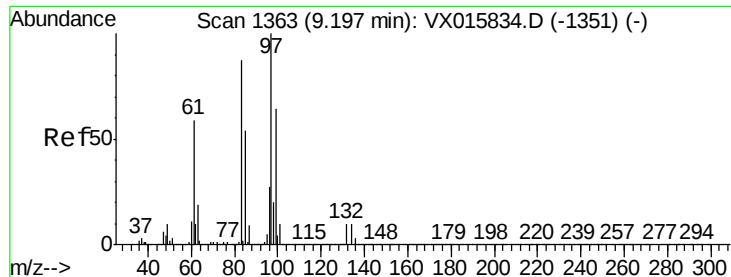
Tot Ion: 43 Resp: 10853  
 Ion Ratio Lower Upper  
 43 100  
 58 35.0 30.6 45.8



#52  
 Toluene  
 Concen: 0.209 ug/l  
 RT: 8.77 min Scan# 1293  
 Delta R.T. -0.00 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

Tgt Ion: 92 Resp: 5158  
 Ion Ratio Lower Upper  
 92 100  
 91 168.5 133.4 200.0





#55

1,1,2-Trichloroethane

Concen: 10.506 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.05 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

Tot Ion: 97 Resp: 101033

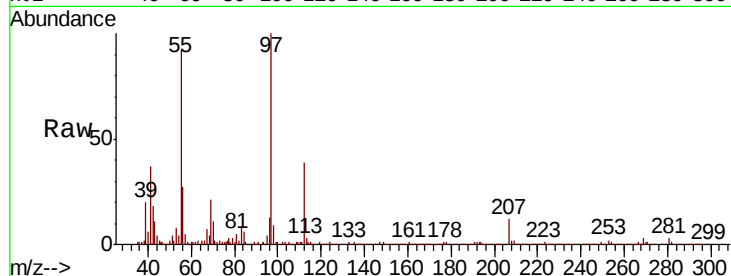
Ion Ratio Lower Upper

97 100

83 7.2 69.8 104.8#

85 0.4 43.4 65.2#

99 0.4 51.2 76.8#

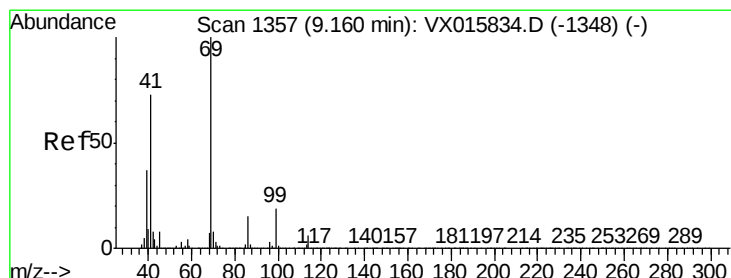
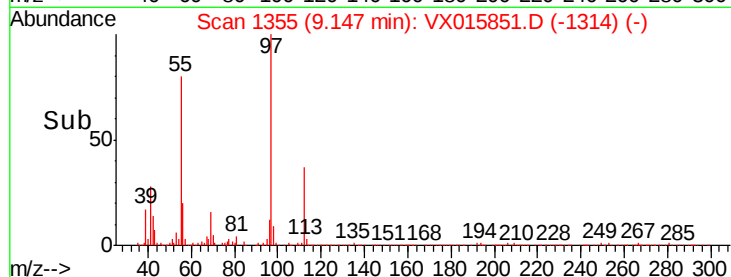
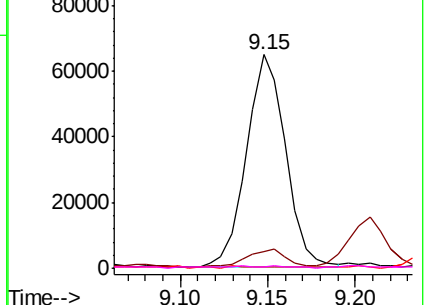


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 1.414 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

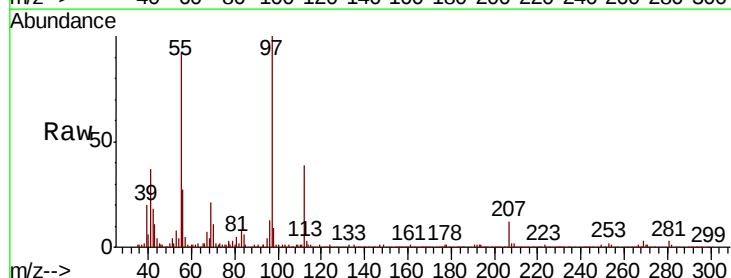
Tgt Ion: 69 Resp: 23026

Ion Ratio Lower Upper

69 100

41 167.4 57.4 86.2#

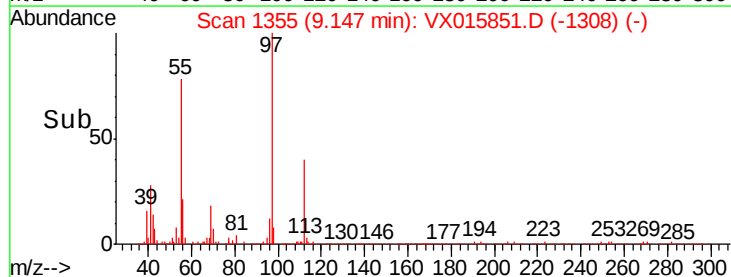
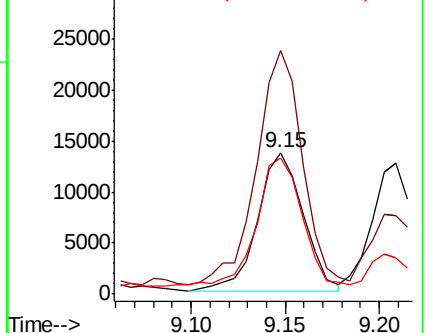
39 91.4 29.7 44.5#

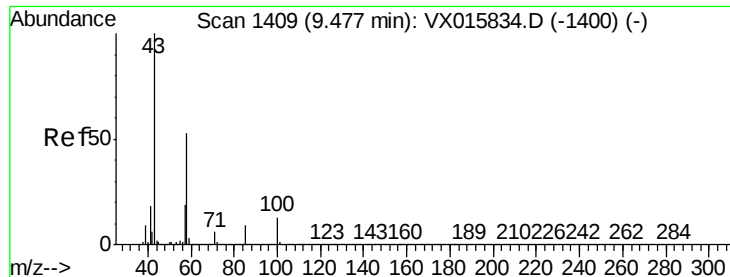


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#59

2-Hexanone

Concen: 1.558 ug/l

RT: 9.29 min Scan# 1378

Delta R.T. -0.19 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

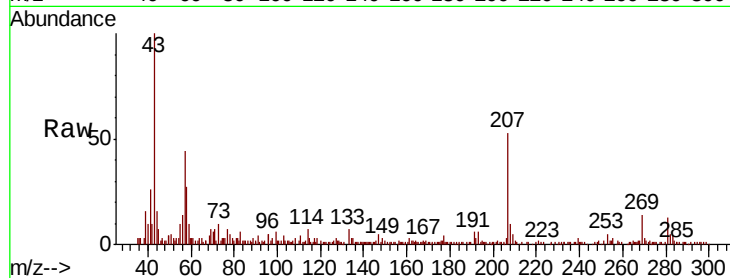
ST006MW148-200420

Tot Ion: 43 Resp: 17546

Ion Ratio Lower Upper

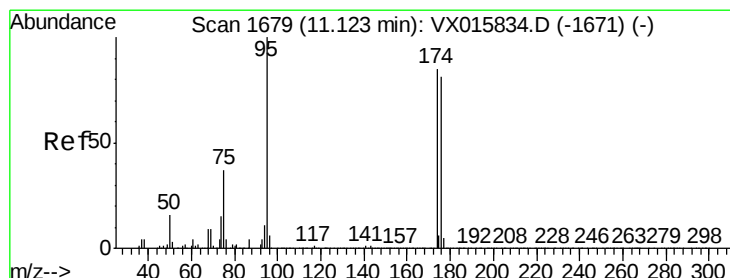
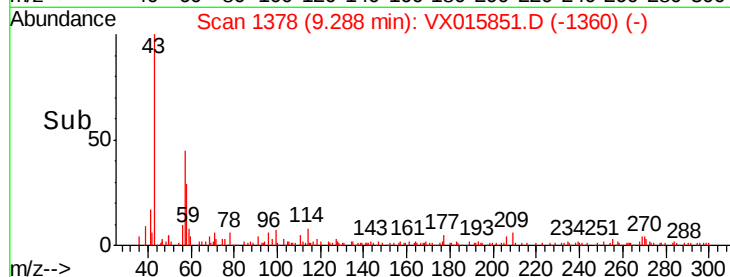
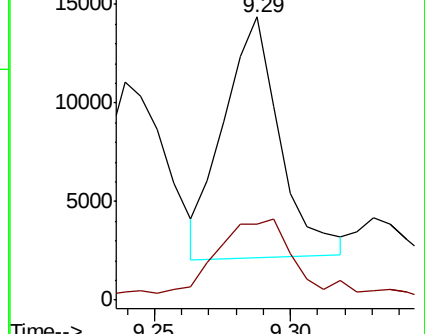
43 100

58 46.1 26.5 79.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.879 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

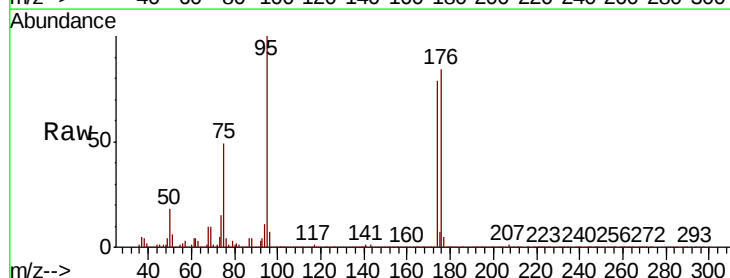
Tgt Ion: 95 Resp: 752770

Ion Ratio Lower Upper

95 100

174 84.4 0.0 172.4

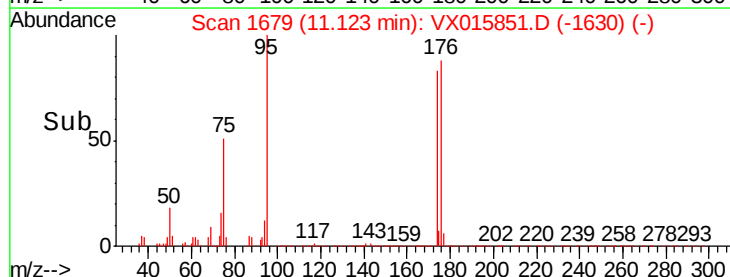
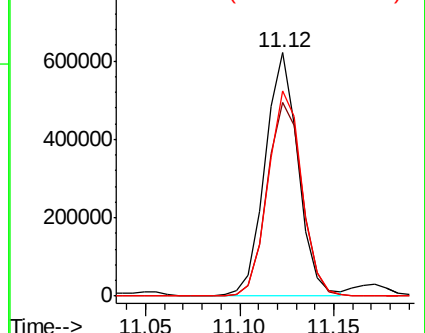
176 86.6 0.0 167.0

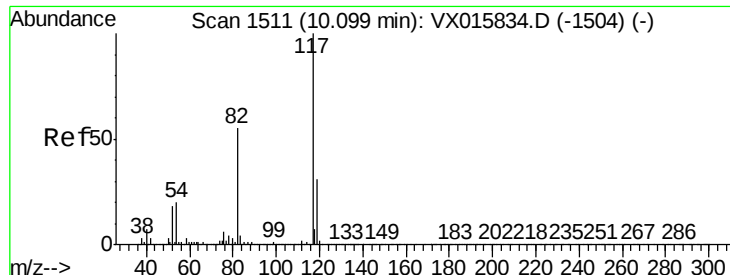


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

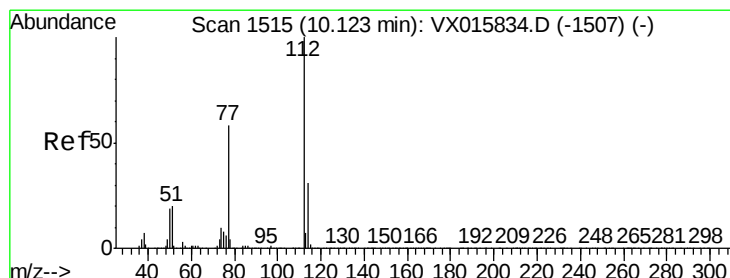
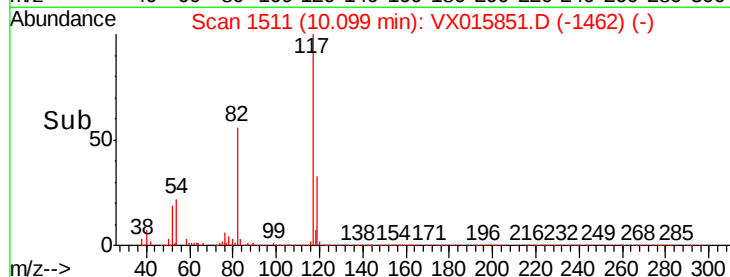
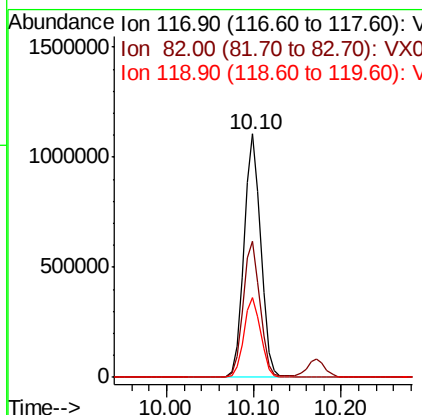
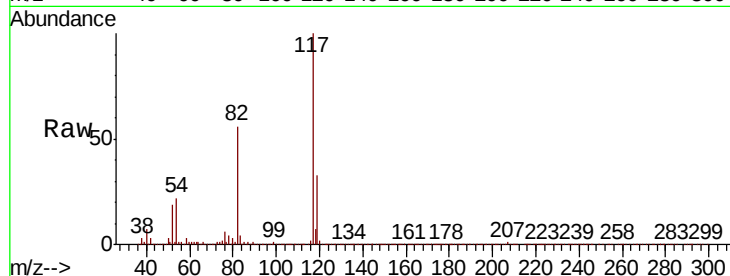




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. -0.00 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

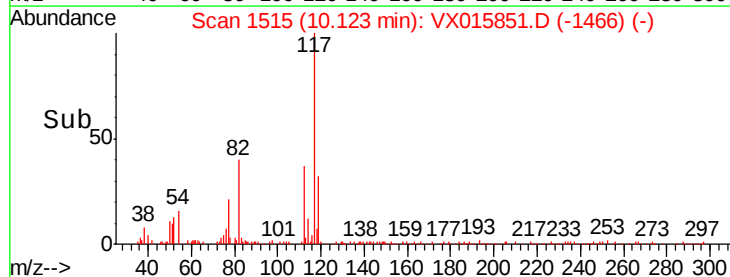
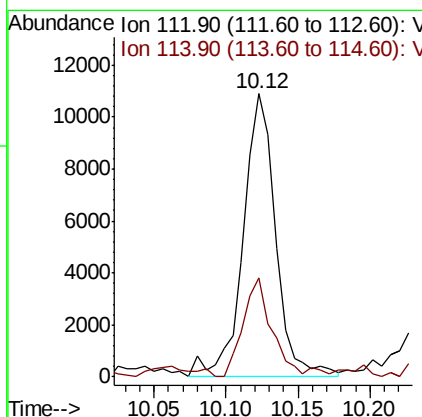
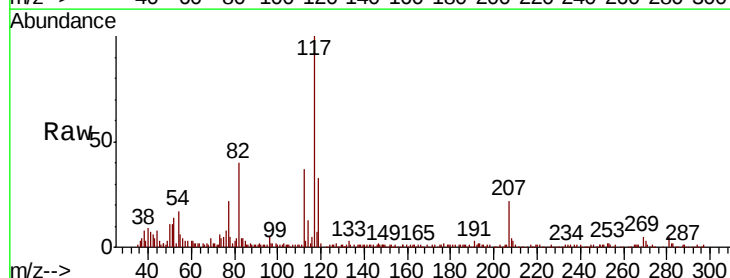
Instrument :  
MSVOA\_X  
ClientSampleId :  
ST006MW148-200420

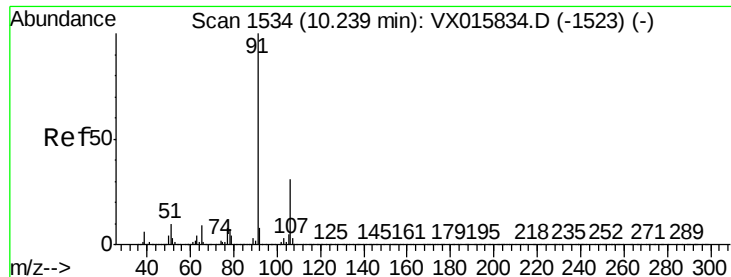
Tot Ion:117 Resp: 1470692  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.9 65.9  
119 32.8 25.1 37.7



#65  
Chlorobenzene  
Concen: 0.580 ug/l  
RT: 10.12 min Scan# 1515  
Delta R.T. -0.00 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

Tgt Ion:112 Resp: 17055  
Ion Ratio Lower Upper  
112 100  
114 33.3 25.0 37.4





#67

Ethyl Benzene

Concen: 0.325 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

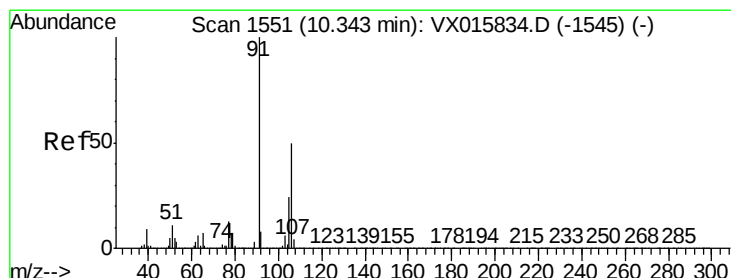
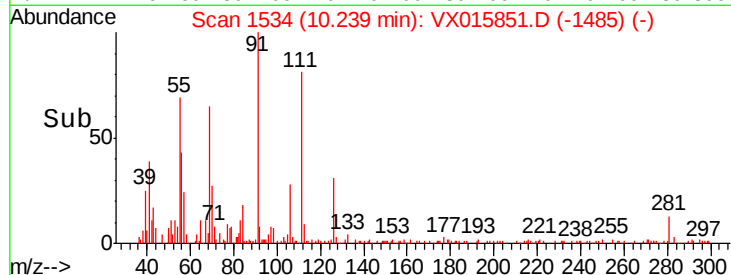
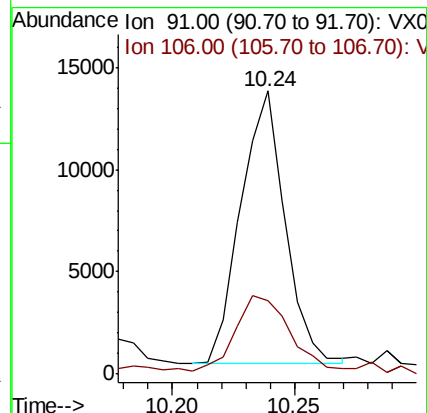
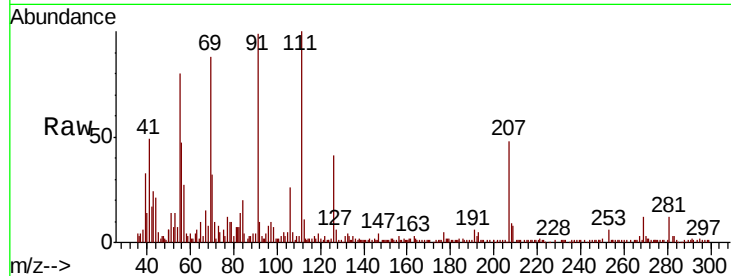
ST006MW148-200420

Tot Ion: 91 Resp: 16770

Ion Ratio Lower Upper

91 100

106 25.9 25.0 37.4



#68

m/p-Xylenes

Concen: 0.241 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VX015851.D

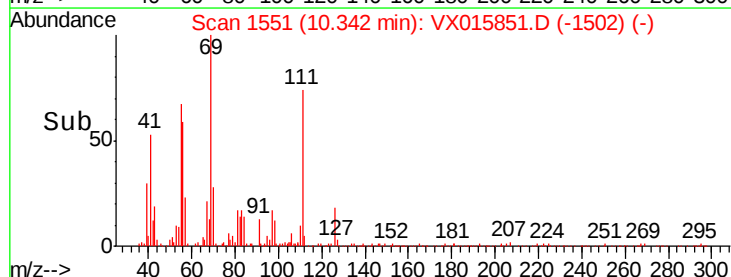
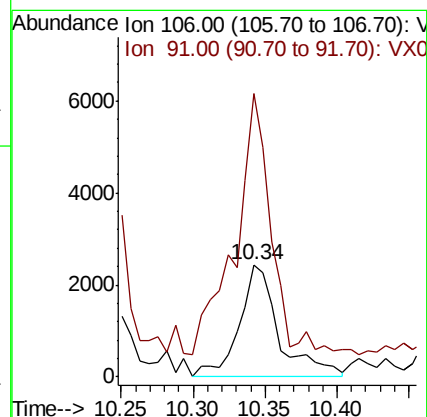
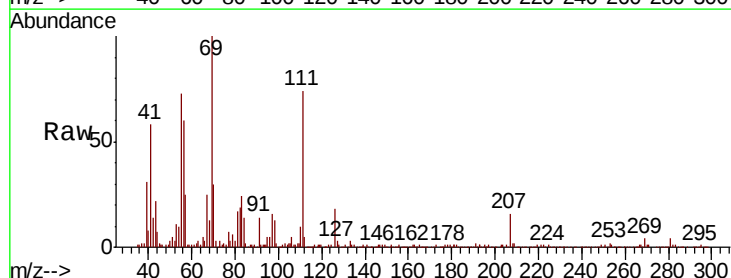
Acq: 22 Apr 2020 18:54

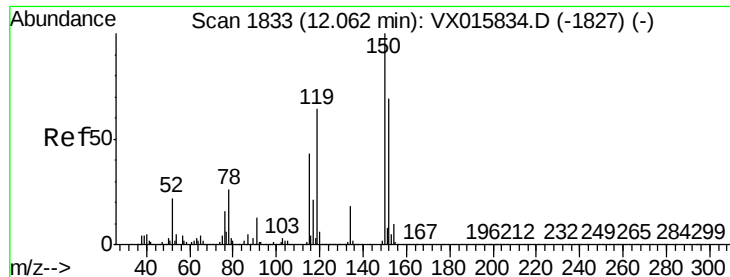
Tgt Ion: 106 Resp: 4673

Ion Ratio Lower Upper

106 100

91 202.8 161.1 241.7



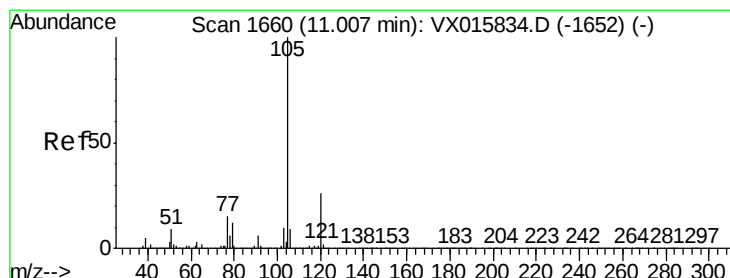
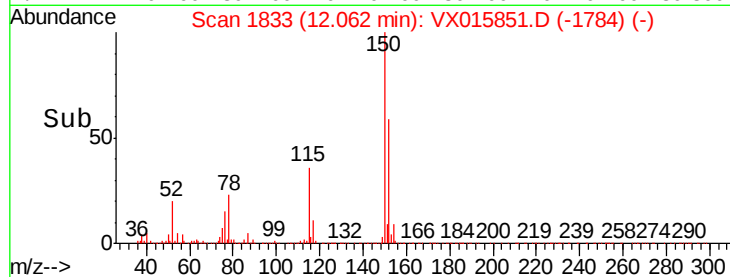
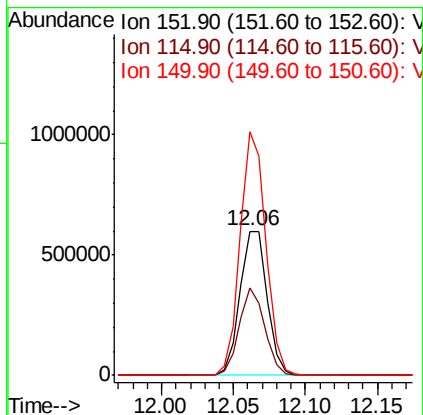
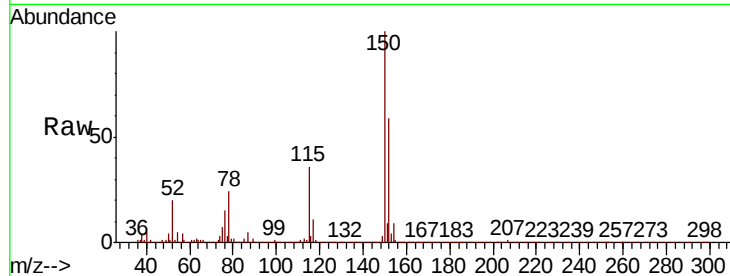


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. -0.00 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST006MW148-200420

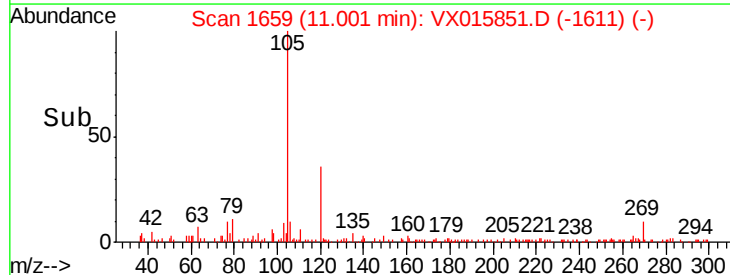
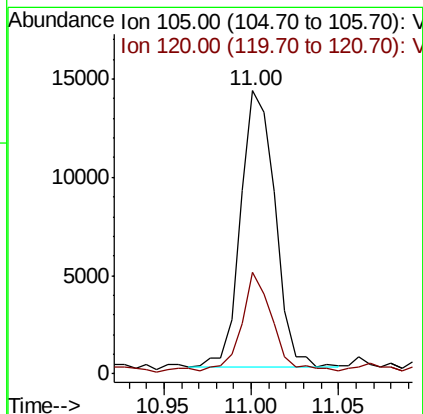
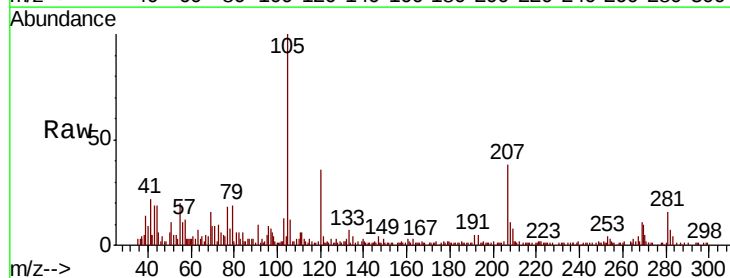
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.7  | 39.0  | 116.9 |
| 150     | 159.2 | 0.0   | 336.8 |

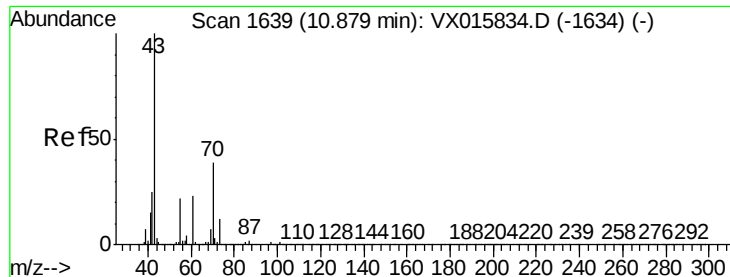


#73

Isopropylbenzene  
Concen: 0.383 ug/l  
RT: 11.00 min Scan# 1659  
Delta R.T. -0.01 min  
Lab File: VX015851.D  
Acq: 22 Apr 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 33.6  | 13.1  | 39.1  |





#74

N-amvl acetate

Concen: 0.527 ug/l

RT: 10.91 min Scan# 1644

Delta R.T. 0.03 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

Tot Ion: 43 Resp: 13571

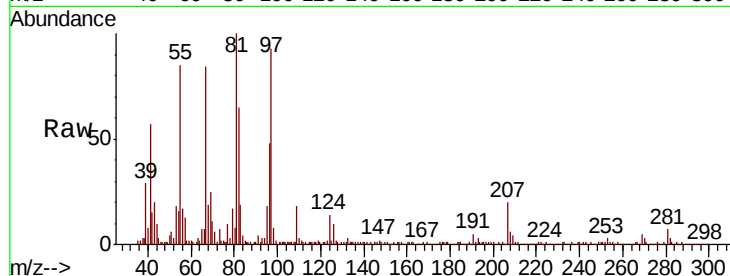
Ion Ratio Lower Upper

43 100

70 49.1 32.6 49.0#

55 332.7 18.3 27.5#

61 0.0 18.7 28.1#

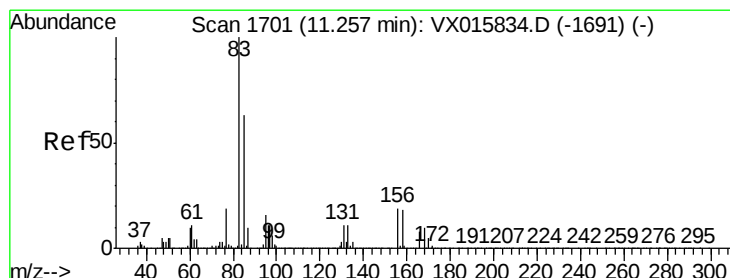
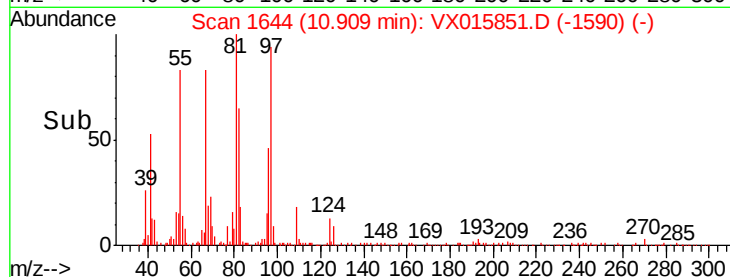
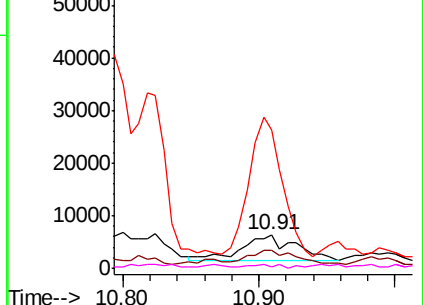


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.567 ug/l

RT: 11.17 min Scan# 1687

Delta R.T. -0.09 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

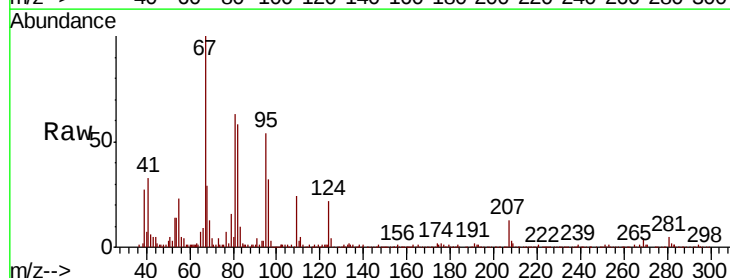
Tgt Ion: 83 Resp: 5993

Ion Ratio Lower Upper

83 100

131 7.8 5.5 16.4

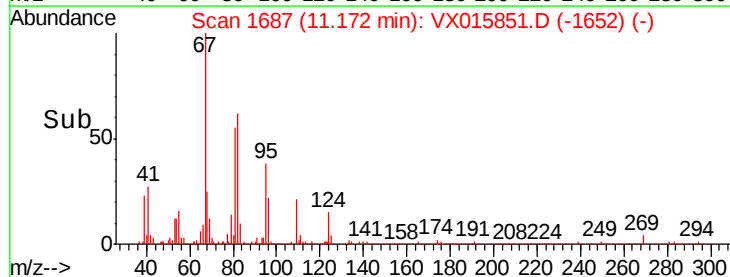
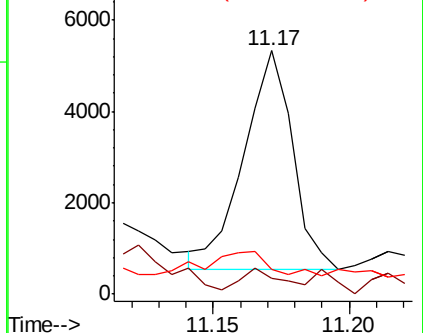
85 41.8 32.4 97.0

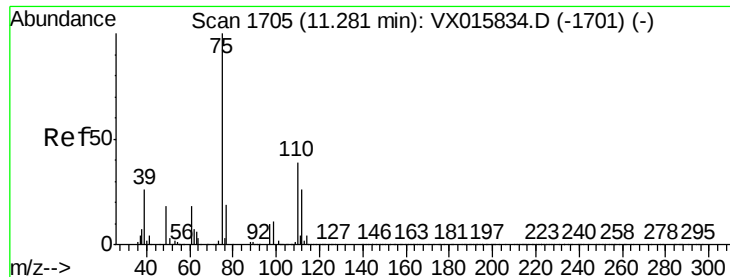


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 24.669 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

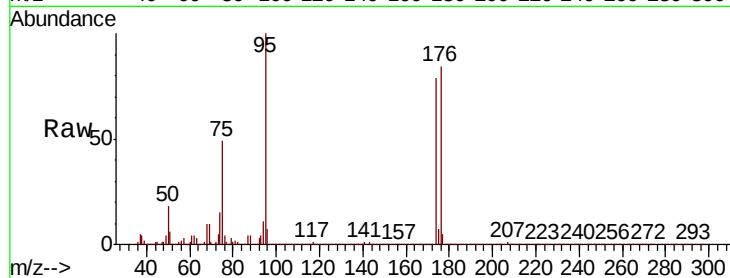
ST006MW148-200420

Tot Ion: 75 Resp: 368632

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

300000

200000

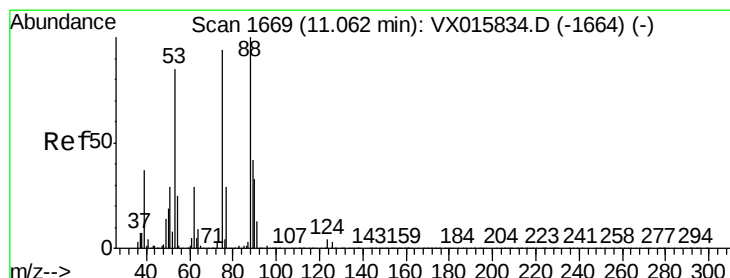
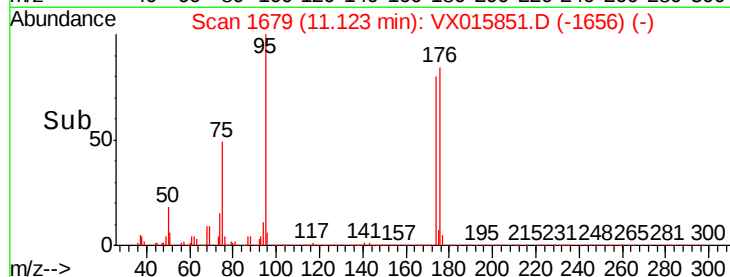
100000

0

Time-->

11.10

11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 59.342 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

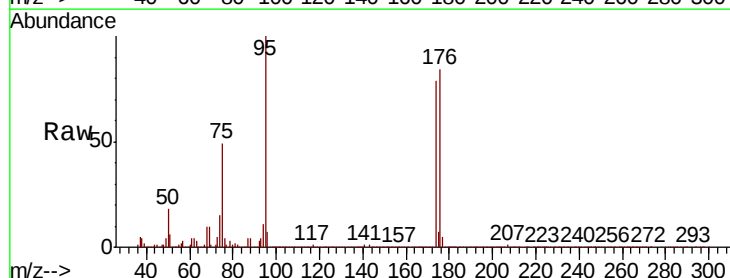
Tgt Ion: 75 Resp: 368632

Ion Ratio Lower Upper

75 100

53 0.3 74.2 111.2#

89 0.1 38.0 57.0#



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

400000

300000

200000

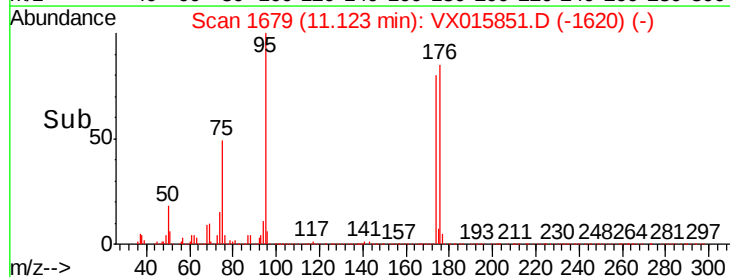
100000

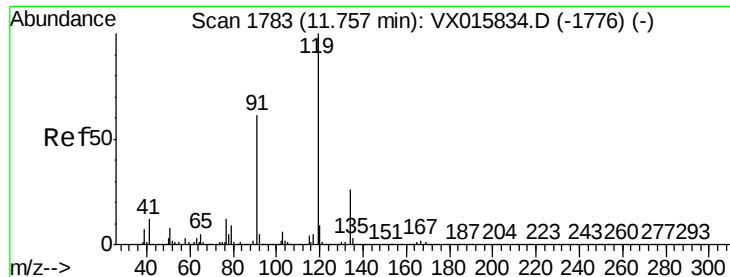
0

Time-->

11.10

11.20





#83

tert-Butylbenzene

Concen: 1.620 ug/l

RT: 11.76 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

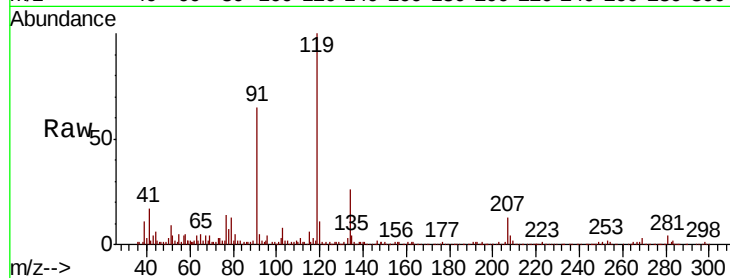
Tot Ion:119 Resp: 61170

Ion Ratio Lower Upper

119 100

91 70.0 30.9 92.7

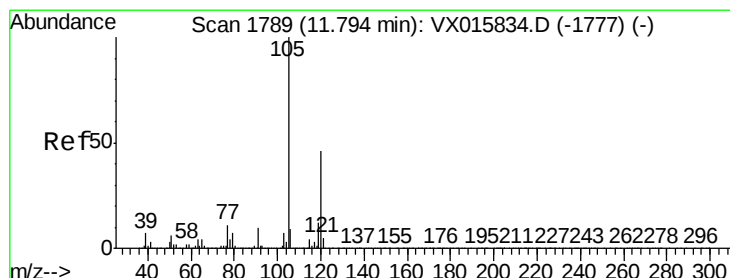
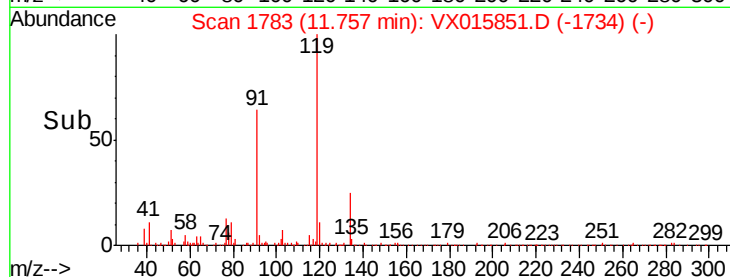
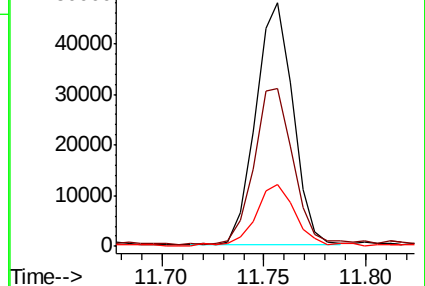
134 28.1 12.4 37.2



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



#84

1,2,4-Trimethylbenzene

Concen: 3.979 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.14 min

Lab File: VX015851.D

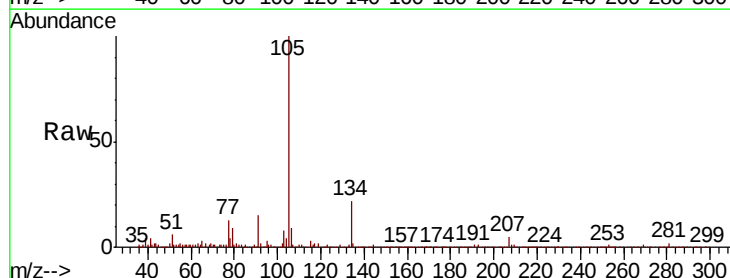
Acq: 22 Apr 2020 18:54

Tgt Ion:105 Resp: 175801

Ion Ratio Lower Upper

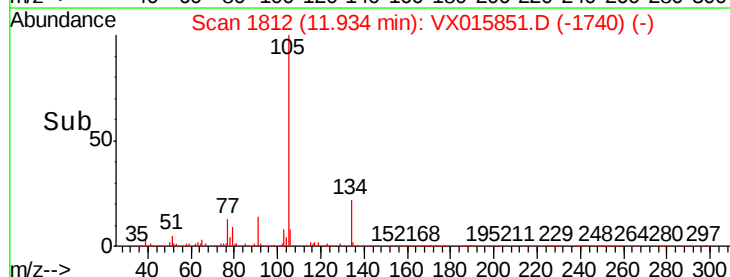
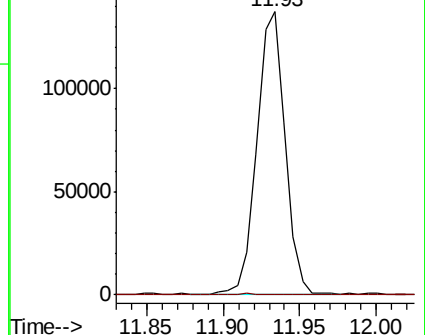
105 100

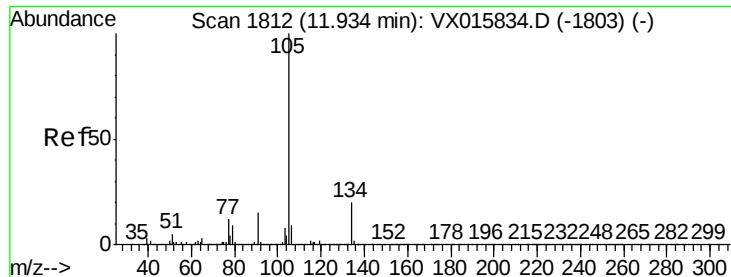
120 0.5 22.9 68.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

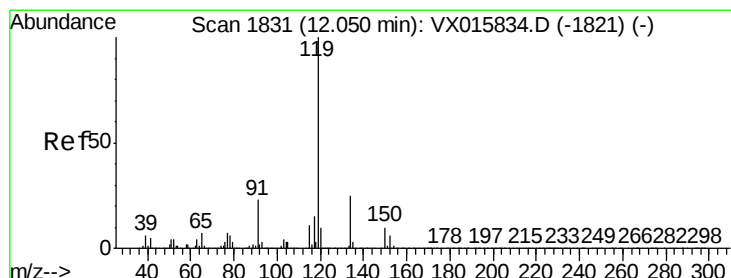
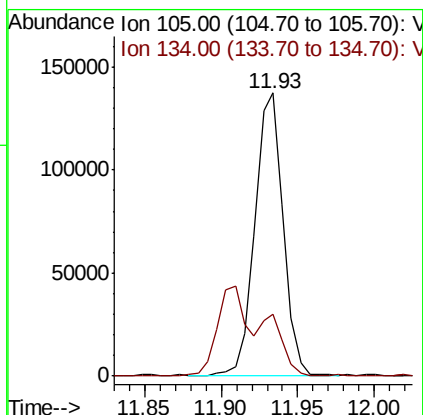
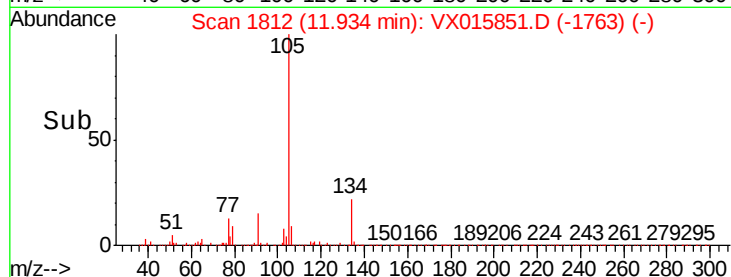
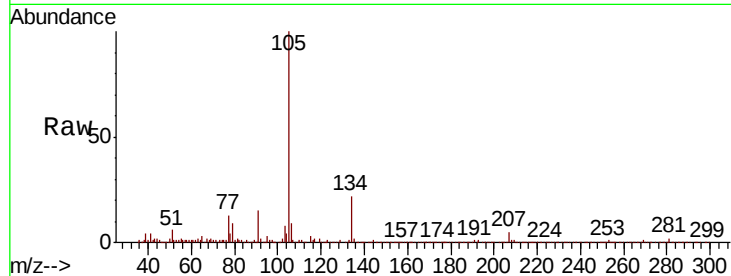




#85  
 sec-Butylbenzene  
 Concen: 3.533 ug/l  
 RT: 11.93 min Scan# 1812  
 Delta R.T. -0.00 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

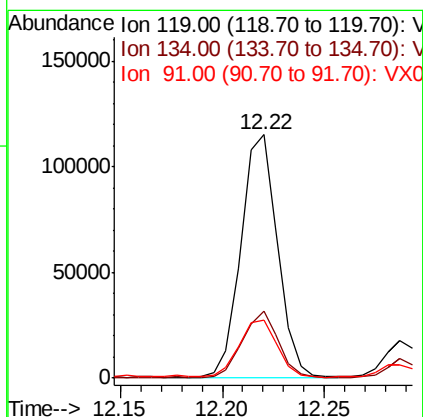
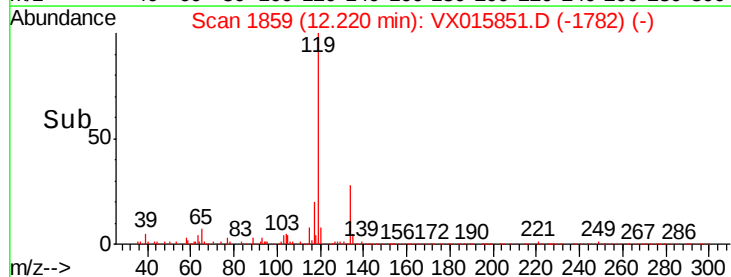
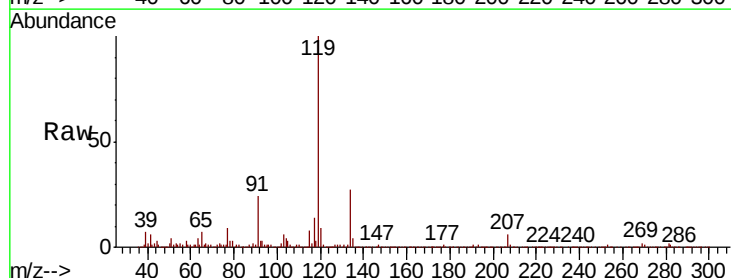
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST006MW148-200420

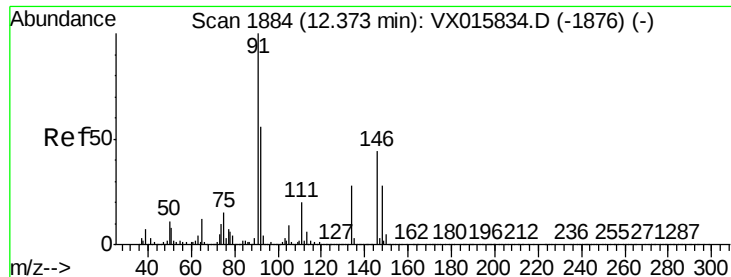
Tot Ion:105 Resp: 175801  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.3 30.8#



#86  
 p-Isopropyltoluene  
 Concen: 3.079 ug/l  
 RT: 12.22 min Scan# 1859  
 Delta R.T. 0.17 min  
 Lab File: VX015851.D  
 Acq: 22 Apr 2020 18:54

Tgt Ion:119 Resp: 143259  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 13.0 38.9  
 91 24.4 11.5 34.5





#89

n-Butylbenzene

Concen: 0.467 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

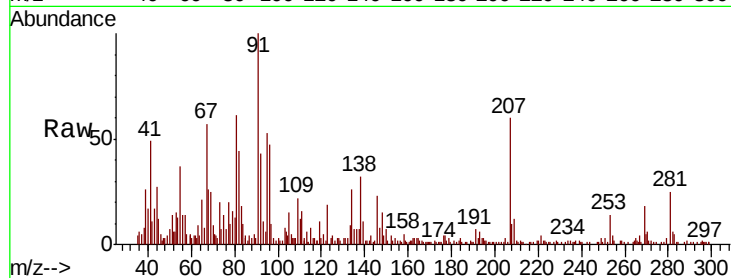
Tot Ion: 91 Resp: 19435

Ion Ratio Lower Upper

91 100

92 33.3 27.7 83.1

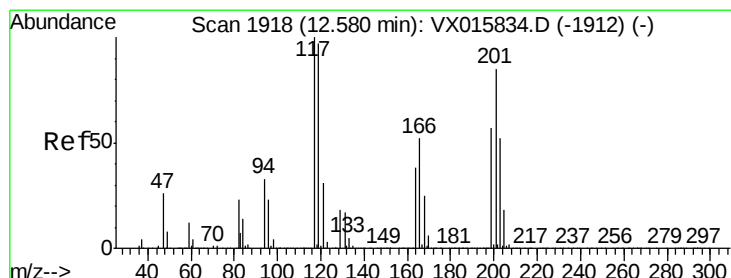
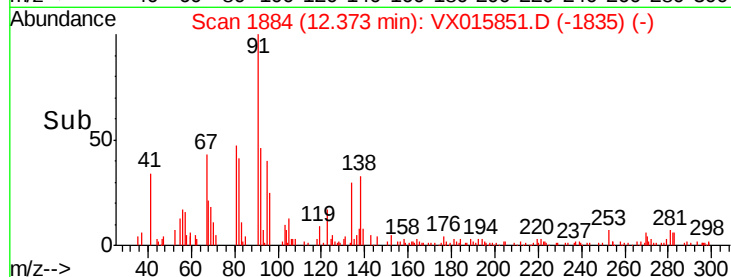
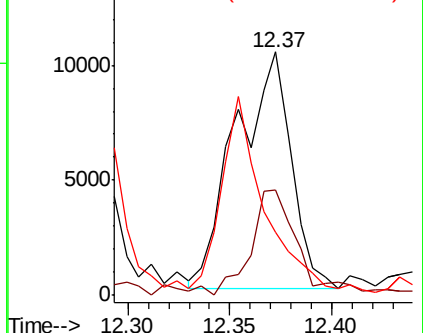
134 63.3 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 13.287 ug/l

RT: 12.68 min Scan# 1935

Delta R.T. 0.10 min

Lab File: VX015851.D

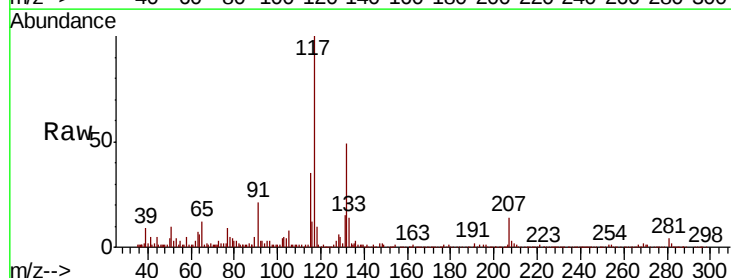
Acq: 22 Apr 2020 18:54

Tgt Ion: 117 Resp: 65310

Ion Ratio Lower Upper

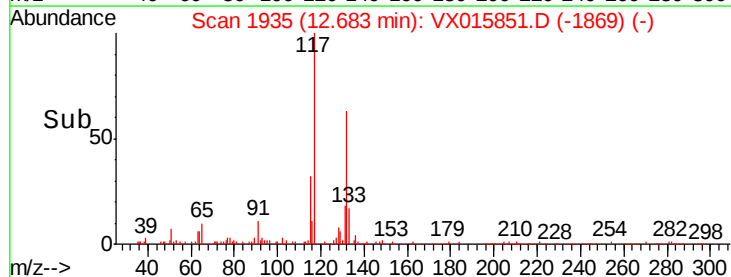
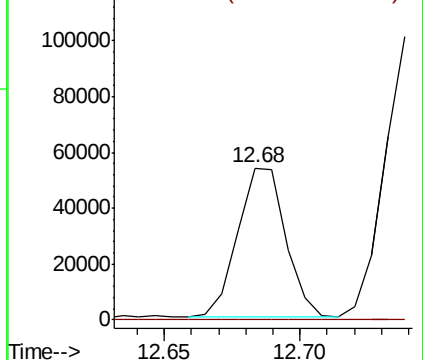
117 100

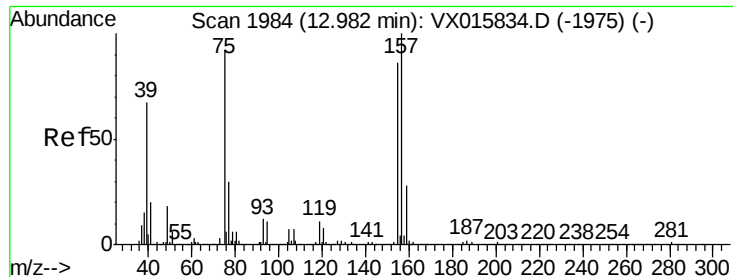
201 0.5 45.6 136.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.203 ug/l

RT: 12.94 min Scan# 1977

Delta R.T. -0.04 min

Lab File: VX015851.D

Acq: 22 Apr 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

ST006MW148-200420

Tot Ion: 75 Resp: 635

Ion Ratio Lower Upper

75 100

155 50.2 48.1 144.4

157 0.0 58.9 176.7#

