

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040120\  
 Data File : VX015466.D  
 Acq On : 01 Apr 2020 14:58  
 Operator : JC/SP  
 Sample : L2050-07MEDL 10X  
 Misc : 5.05µ/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 02 09:06:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 1076286  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 1752112  | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1635845  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 847897   | 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   | 718327   | 47.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.64%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 548645   | 48.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.98%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 2114739  | 51.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.56% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 889805   | 53.10 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.20% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 1.62  | 94   | 1667     | Below Cal |        | 97     |
| 10) Methyl Iodide              | 2.49  | 142  | 3327     | 0.255     | ug/l # | 61     |
| 11) Tert butyl alcohol         | 2.99  | 59   | 26358    | 7.254     | ug/l # | 73     |
| 15) Acrylonitrile              | 3.13  | 53   | 2050     | 0.296     | ug/l # | 82     |
| 16) Acetone                    | 2.42  | 43   | 667453   | 102.345   | ug/l   | 100    |
| 17) Carbon Disulfide           | 2.55  | 76   | 10634    | 0.343     | ug/l # | 80     |
| 18) Methyl Acetate             | 2.74  | 43   | 8161     | 0.490     | ug/l # | 83     |
| 20) Methylene Chloride         | 2.83  | 84   | 2920     | 0.240     | ug/l # | 78     |
| 21) trans-1,2-Dichloroethene   | 3.14  | 96   | 2448     | 0.217     | ug/l # | 24     |
| 25) 2-Butanone                 | 4.66  | 43   | 3558     | 0.339     | ug/l # | 65     |
| 31) Cyclohexane                | 5.62  | 56   | 34536    | 1.797     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.63  | 75   | 82589    | 5.116     | ug/l # | 52     |
| 38) Carbon Tetrachloride       | 5.63  | 117  | 103201   | 5.902     | ug/l # | 14     |
| 39) Methylcyclohexane          | 7.44  | 83   | 28698    | 1.542     | ug/l   | 98     |
| 48) Methyl methacrylate        | 7.71  | 41   | 3876     | 0.219     | ug/l # | 39     |
| 49) 1,4-Dioxane                | 7.71  | 88   | 345      | 1.043     | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 17260    | 0.858     | ug/l   | 97     |
| 52) Toluene                    | 8.76  | 92   | 512156   | 17.567    | ug/l   | 100    |
| 67) Ethyl Benzene              | 10.24 | 91   | 115961   | 2.004     | ug/l   | 99     |
| 68) m/p-Xylenes                | 10.34 | 106  | 93827    | 4.355     | ug/l   | 97     |
| 69) o-Xylene                   | 10.68 | 106  | 88033    | 4.135     | ug/l   | 98     |
| 70) Styrene                    | 10.69 | 104  | 8281     | 0.221     | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.01 | 105  | 18930    | 0.341     | ug/l   | 88     |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 461246   | 26.453    | ug/l # | 35     |
| 78) n-propylbenzene            | 11.35 | 91   | 58345    | 0.918     | ug/l   | 97     |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 26067    | 0.669     | ug/l # | 55     |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 62080    | 1.308     | ug/l   | 97     |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 461246   | 63.473    | ug/l # | 10     |
| 82) 4-Chlorotoluene            | 11.50 | 91   | 12396    | 0.272     | ug/l # | 70     |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 130821   | 2.706     | ug/l   | 99     |
| 85) sec-Butylbenzene           | 11.93 | 105  | 14316    | 0.267     | ug/l   | 91     |
| 86) p-Isopropyltoluene         | 12.01 | 119  | 12872    | 0.259     | ug/l   | 94     |
| 89) n-Butylbenzene             | 12.37 | 91   | 35405    | 0.787     | ug/l # | 61     |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 6473     | 0.315     | ug/l # | 80     |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040120\  
Data File : VX015466.D  
Acq On : 01 Apr 2020 14:58  
Operator : JC/SP  
Sample : L2050-07MEDL 10X  
Misc : 5.05µ/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 10 Sample Multiplier: 1

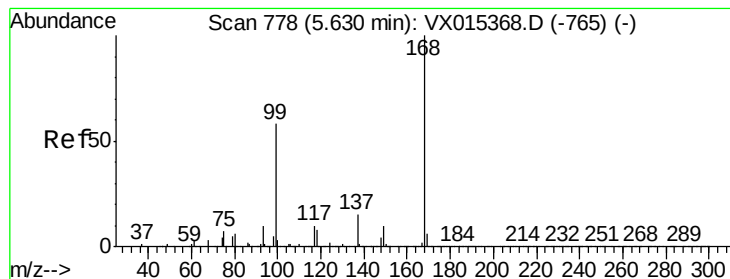
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Apr 02 09:06:33 2020  
Quant Method : Z:\V0ASRV\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) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 94) Hexachlorobutadiene    | 13.77 | 225  | 4149     | 0.424 | ug/l   | 77       |
| 95) Naphthalene            | 13.82 | 128  | 53744    | 0.858 | ug/l # | 80       |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 4795     | 0.243 | ug/l # | 67       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

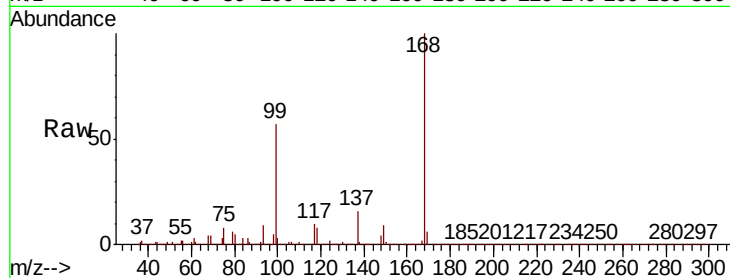
ClientSampleId :

Tot Ion:168 Resp: 1076286

Ion Ratio Lower Upper

168 100

99 57.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

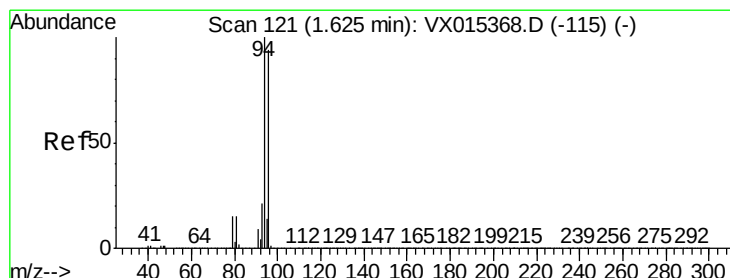
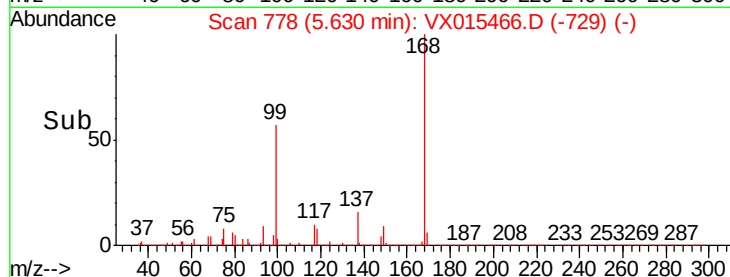
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015466.D

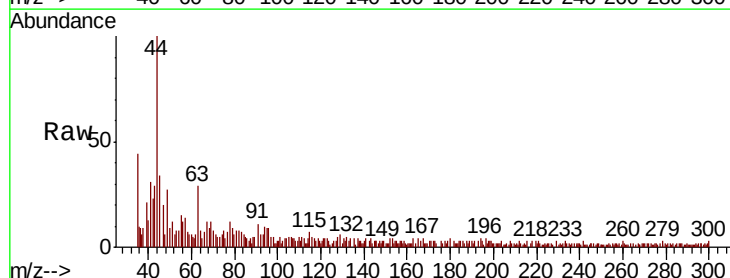
Acq: 01 Apr 2020 14:58

Tgt Ion: 94 Resp: 1667

Ion Ratio Lower Upper

94 100

96 96.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

1500

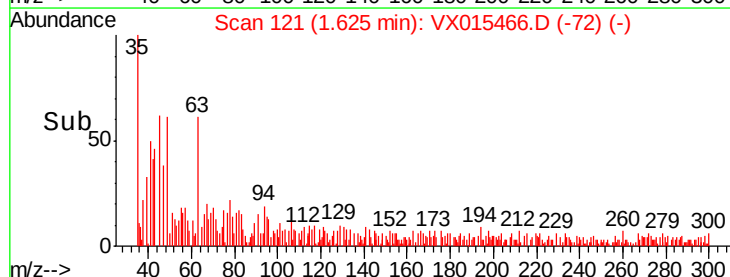
1000

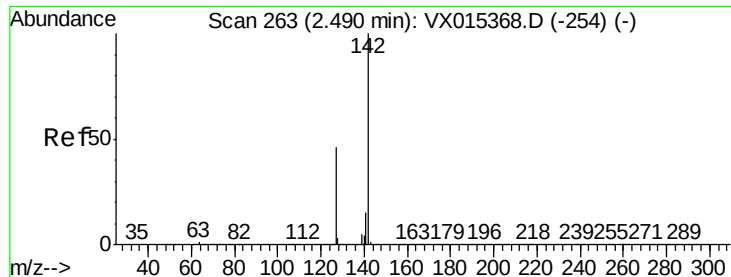
500

0

Time-->

1.60 1.65

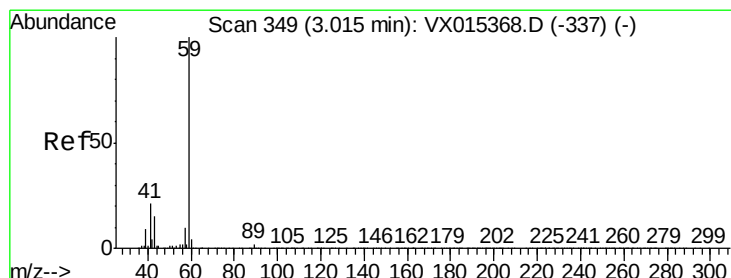
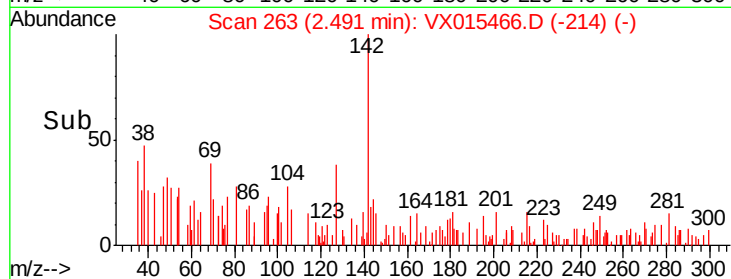
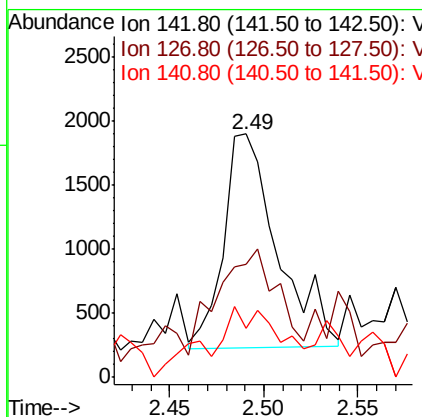
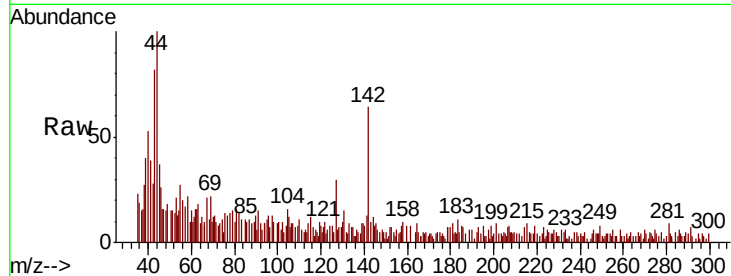




#10  
Methvl Iodide  
Concen: 0.255 ug/l  
RT: 2.49 min Scan# 263  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

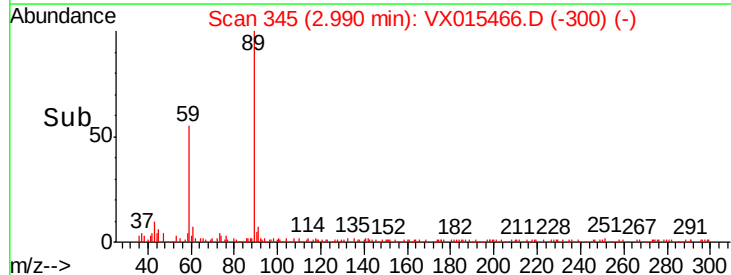
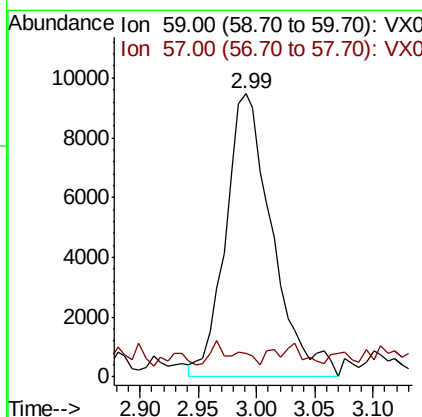
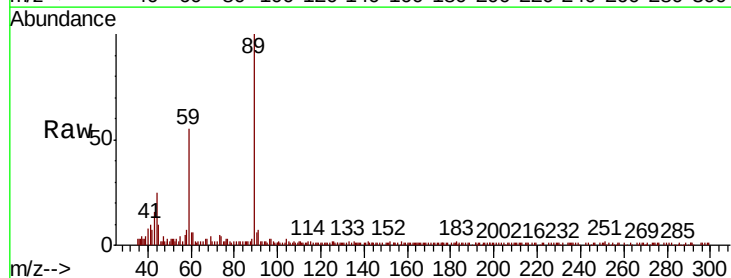
Instrument :  
MSVOA\_X  
ClientSampleId :

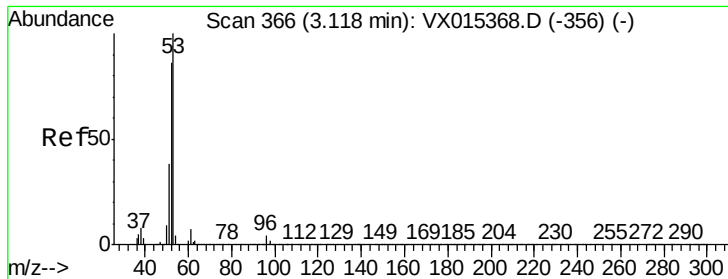
Tot Ion:142 Resp: 3327  
Ion Ratio Lower Upper  
142 100  
127 63.5 35.9 53.9#  
141 43.8 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 7.254 ug/l  
RT: 2.99 min Scan# 345  
Delta R.T. -0.02 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

Tgt Ion: 59 Resp: 26358  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#





#15

Acrylonitrile

Concen: 0.296 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

ClientSampled :

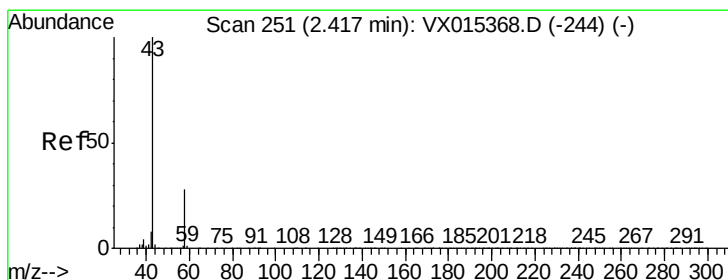
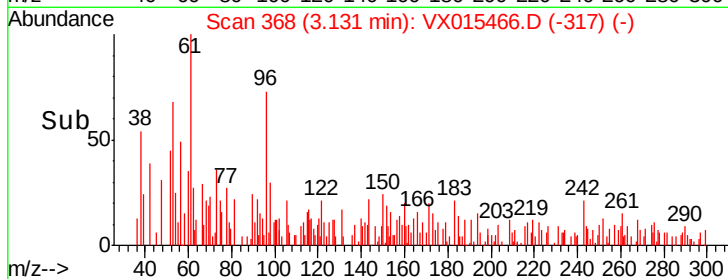
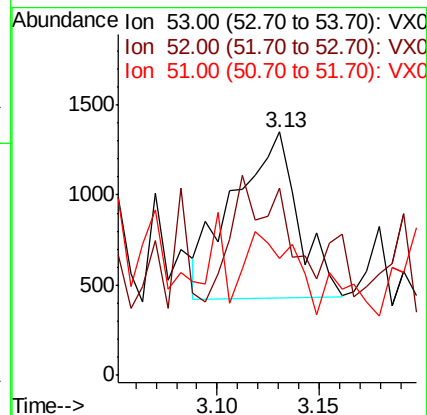
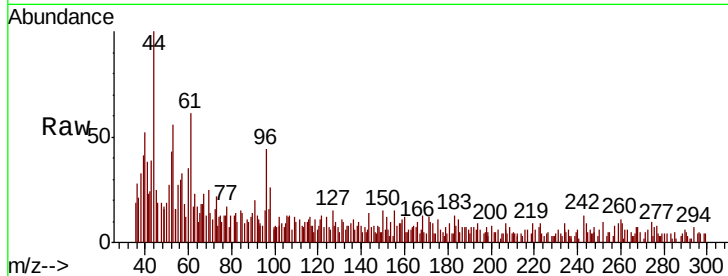
Tot Ion: 53 Resp: 2050

Ion Ratio Lower Upper

53 100

52 103.7 66.8 100.2#

51 32.2 29.5 44.3



#16

Acetone

Concen: 102.345 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015466.D

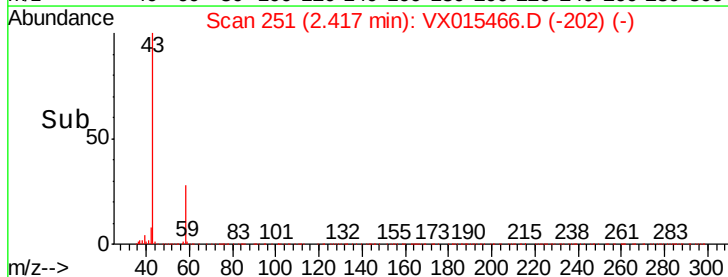
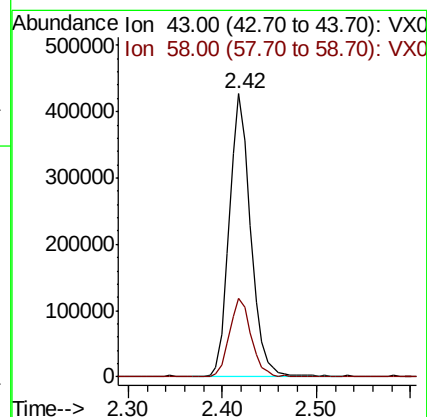
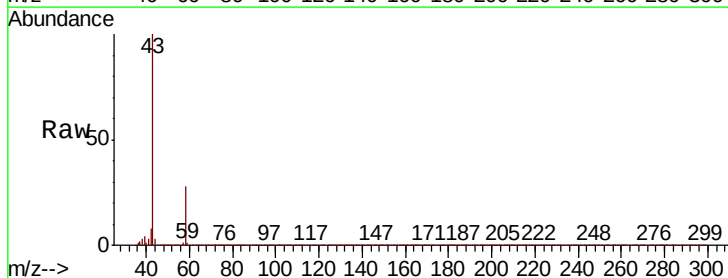
Acq: 01 Apr 2020 14:58

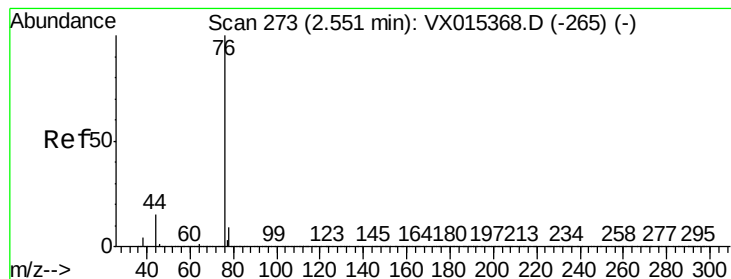
Tgt Ion: 43 Resp: 667453

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1





#17

Carbon Disulfide

Concen: 0.343 ug/l

RT: 2.55 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

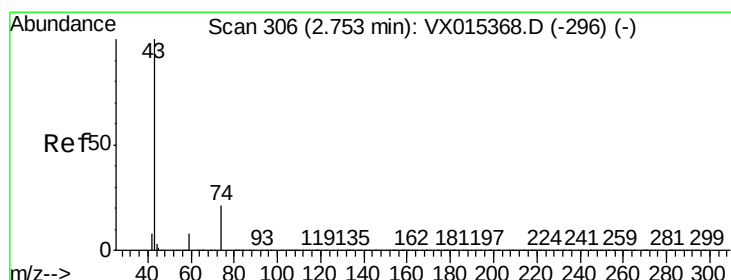
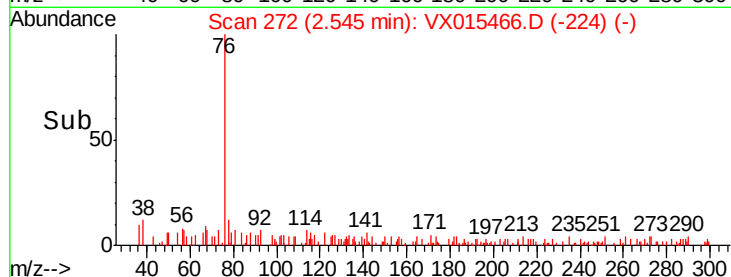
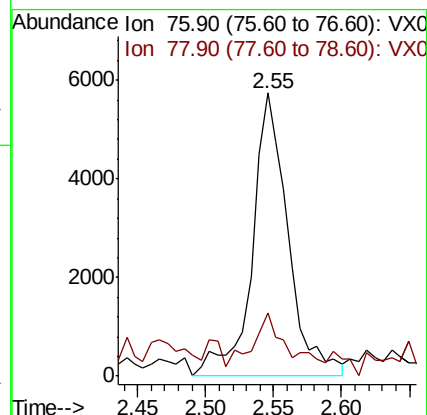
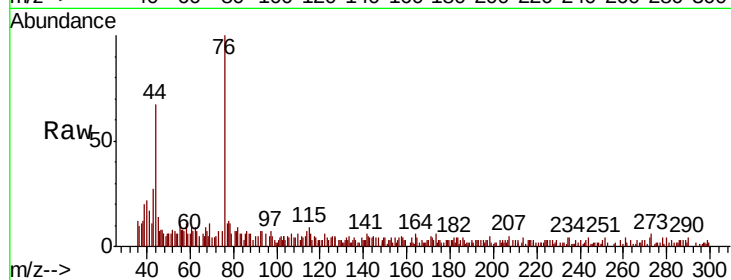
ClientSampleId :

Tot Ion: 76 Resp: 10634

Ion Ratio Lower Upper

76 100

78 16.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.490 ug/l

RT: 2.74 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX015466.D

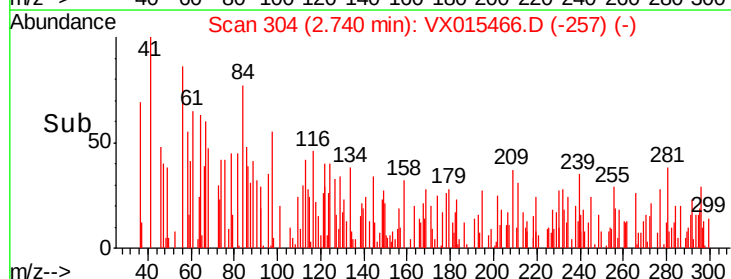
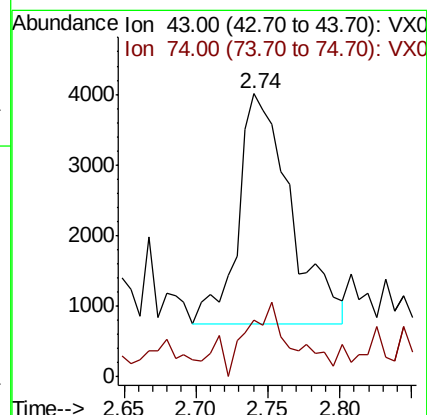
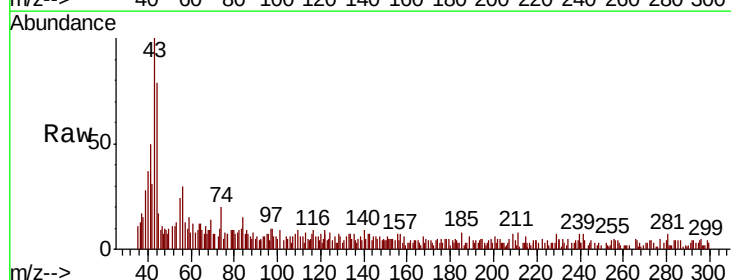
Acq: 01 Apr 2020 14:58

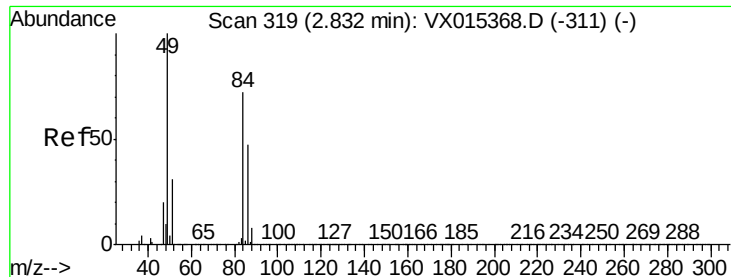
Tgt Ion: 43 Resp: 8161

Ion Ratio Lower Upper

43 100

74 28.5 16.5 24.7#

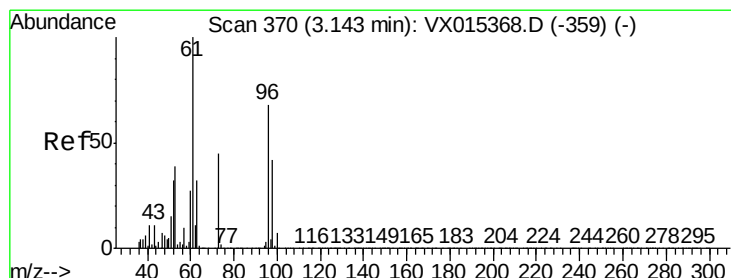
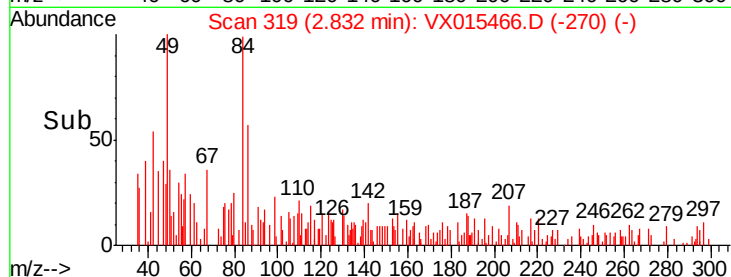
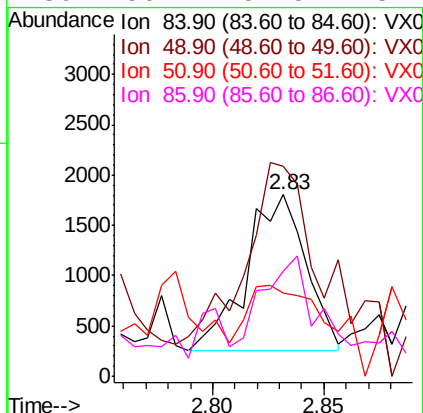
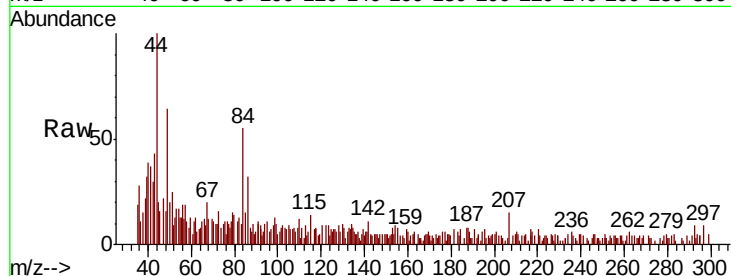




#20  
Methylene Chloride  
Concen: 0.240 ug/l  
RT: 2.83 min Scan# 319  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

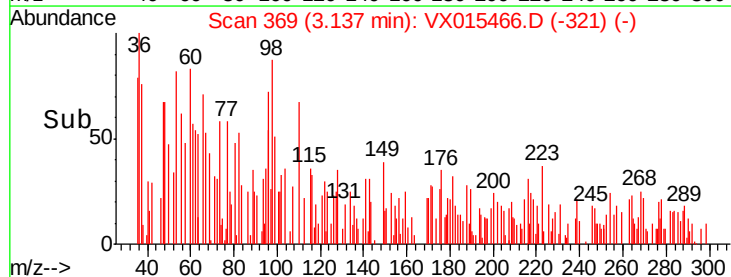
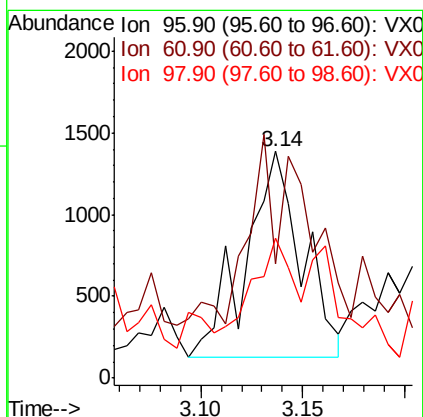
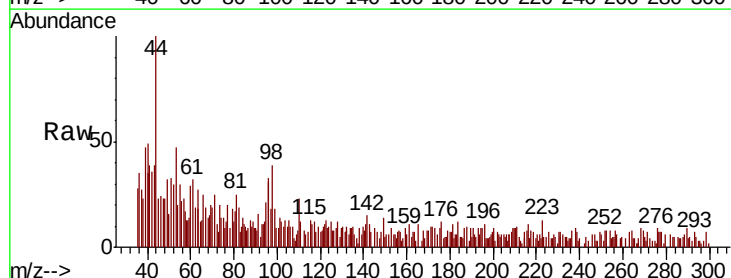
Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 2920   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 108.7 | 111.3 | 166.9# |
| 51       | 24.7  | 34.0  | 51.0#  |
| 86       | 56.2  | 52.5  | 78.7   |

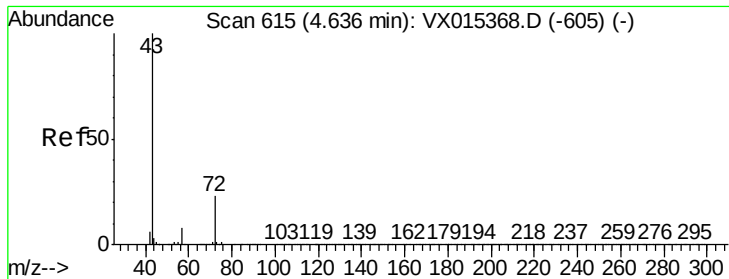


#21  
trans-1,2-Dichloroethene  
Concen: 0.217 ug/l  
RT: 3.14 min Scan# 369  
Delta R.T. -0.01 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 2448   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 26.8  | 116.9 | 175.3# |
| 98       | 38.9  | 48.6  | 73.0#  |







#25

2-Butanone

Concen: 0.339 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

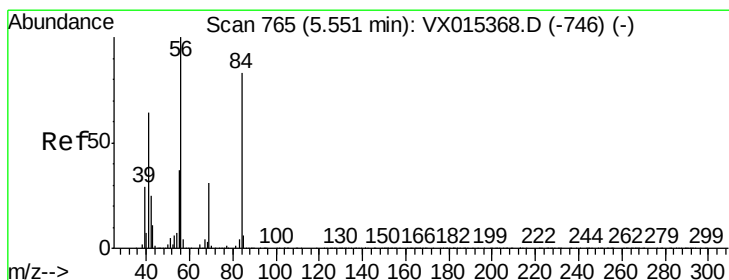
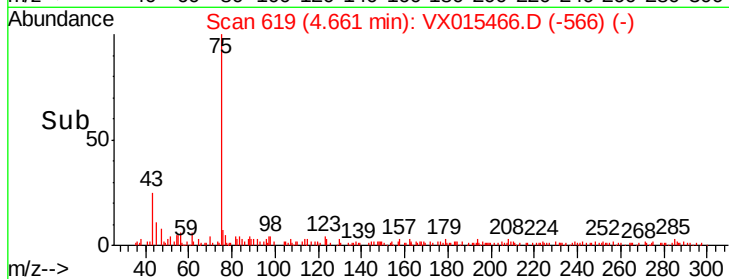
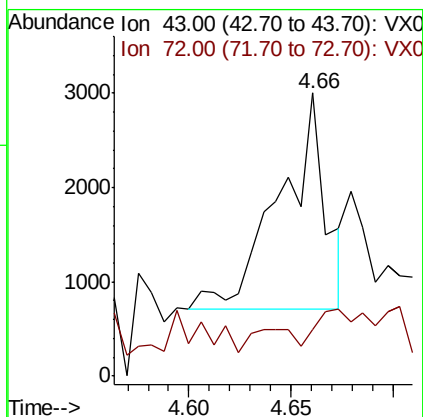
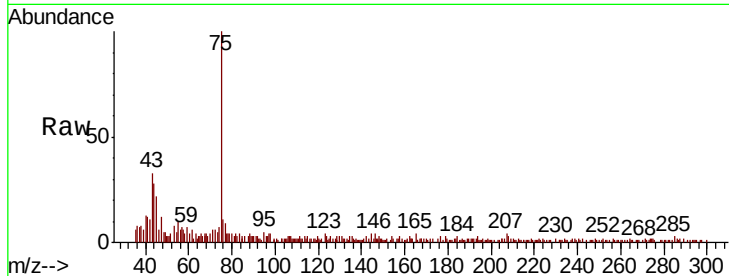
ClientSampleId :

Tot Ion: 43 Resp: 3558

Ion Ratio Lower Upper

43 100

72 6.6 19.0 28.4#



#31

Cyclohexane

Concen: 1.797 ug/l

RT: 5.62 min Scan# 777

Delta R.T. 0.07 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

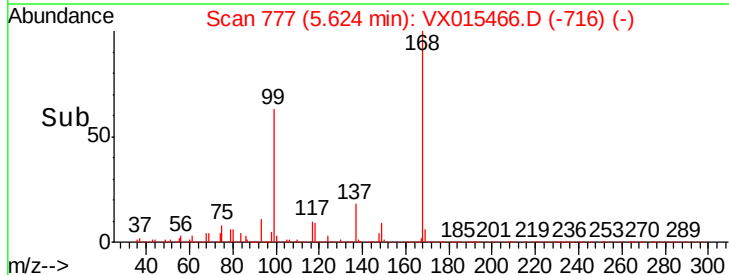
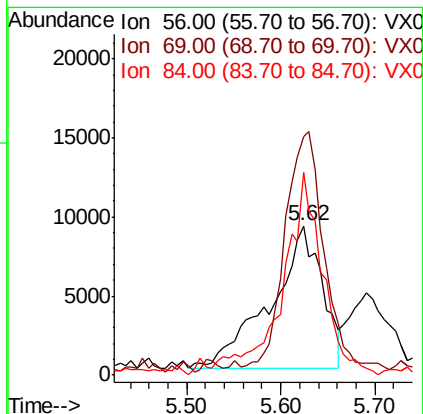
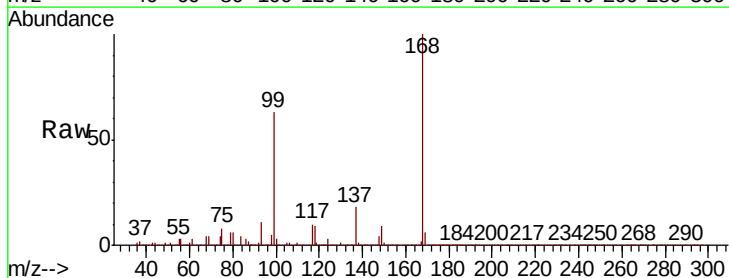
Tgt Ion: 56 Resp: 34536

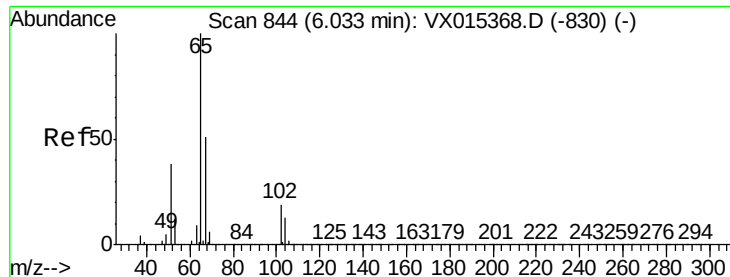
Ion Ratio Lower Upper

56 100

69 161.0 24.6 36.8#

84 138.7 66.1 99.1#

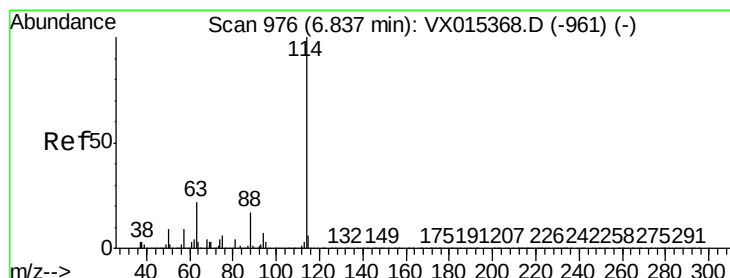
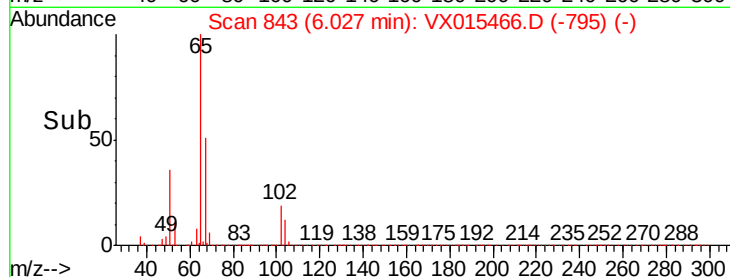
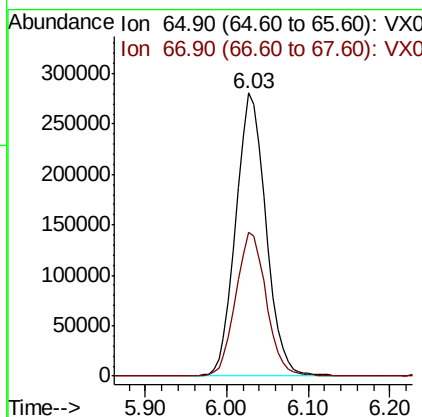
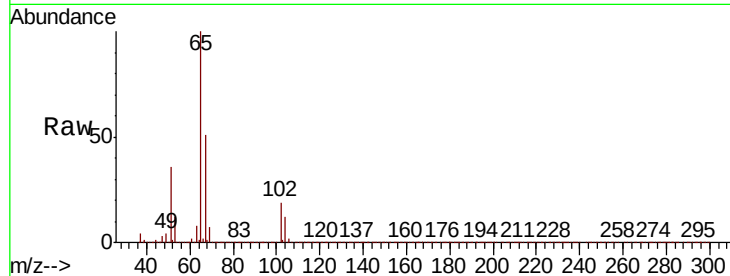




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.321 ug/l  
 RT: 6.03 min Scan# 843  
 Delta R.T. -0.01 min  
 Lab File: VX015466.D  
 Acq: 01 Apr 2020 14:58

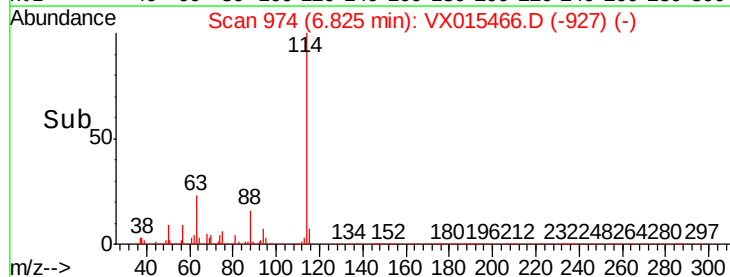
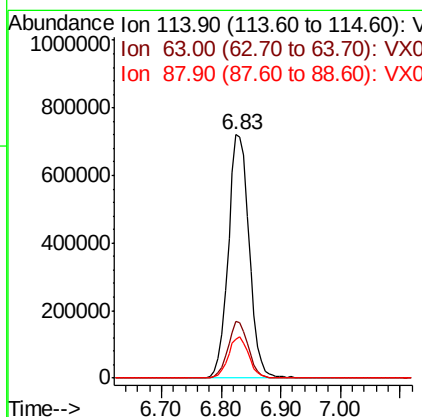
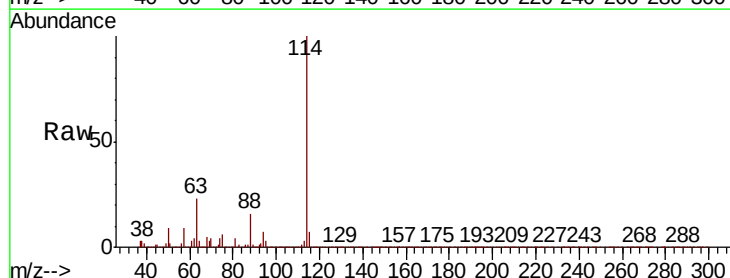
Instrument :  
 MSVOA\_X  
 ClientSampleId :

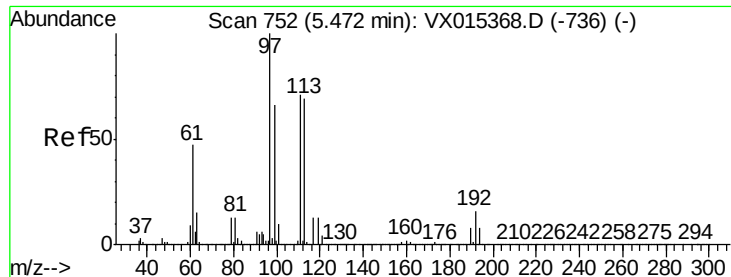
Tot Ion: 65 Resp: 718327  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 974  
 Delta R.T. -0.01 min  
 Lab File: VX015466.D  
 Acq: 01 Apr 2020 14:58

Tgt Ion: 114 Resp: 1752112  
 Ion Ratio Lower Upper  
 114 100  
 63 23.1 0.0 44.2  
 88 15.8 0.0 33.8

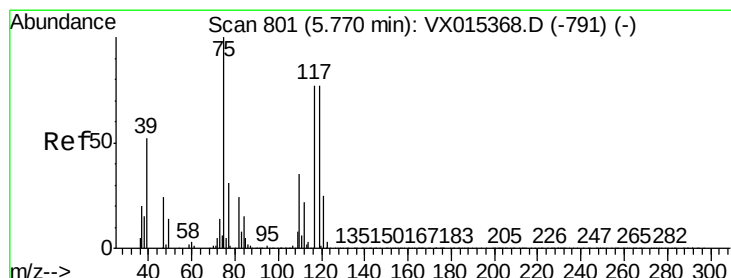
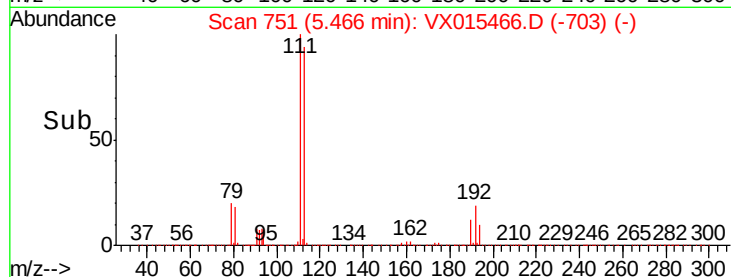
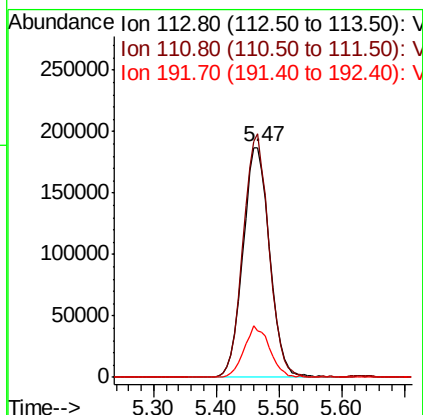
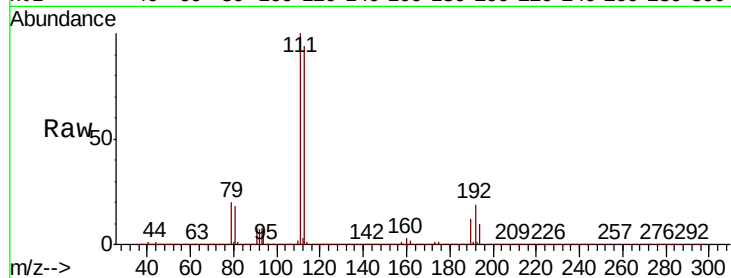




#35  
 Dibromofluoromethane  
 Concen: 48.986 ug/l  
 RT: 5.47 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: VX015466.D  
 Acq: 01 Apr 2020 14:58

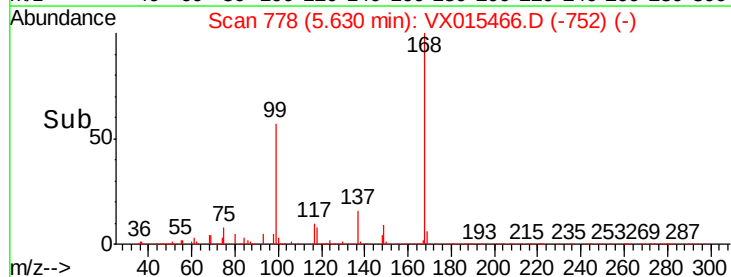
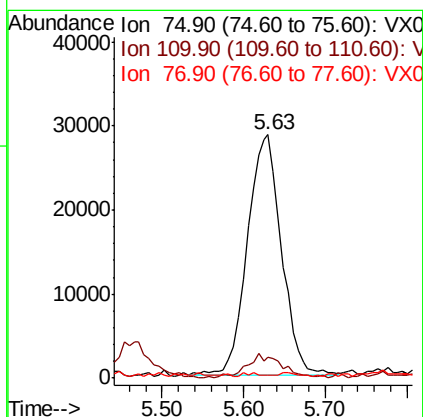
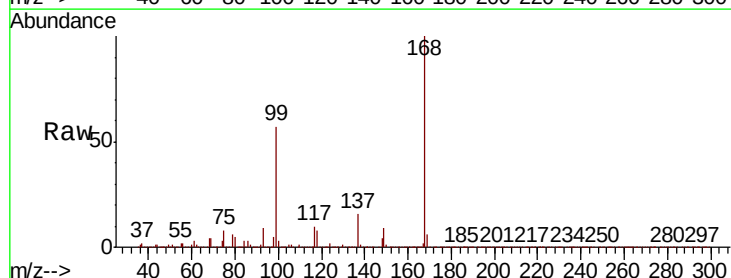
Instrument :  
 MSVOA\_X  
 ClientSampled :

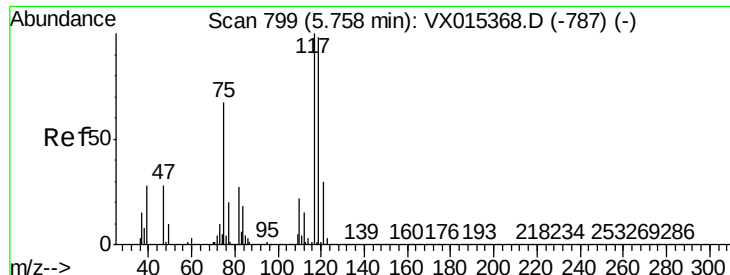
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 81.5  | 122.3 |
| 192     | 21.6  | 17.8  | 26.6  |



#36  
 1,1-Dichloropropene  
 Concen: 5.116 ug/l  
 RT: 5.63 min Scan# 778  
 Delta R.T. -0.14 min  
 Lab File: VX015466.D  
 Acq: 01 Apr 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 10.6  | 17.1  | 51.3# |
| 77      | 0.6   | 24.6  | 36.8# |





#38

Carbon Tetrachloride

Concen: 5.902 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

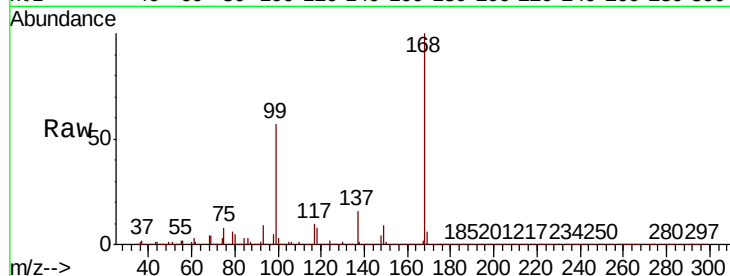
Tot Ion:117 Resp: 103201

Ion Ratio Lower Upper

117 100

119 3.2 78.0 117.0#

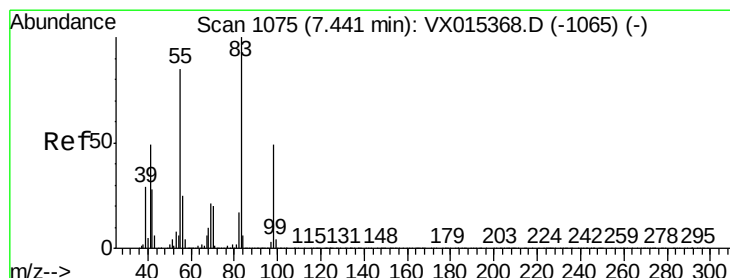
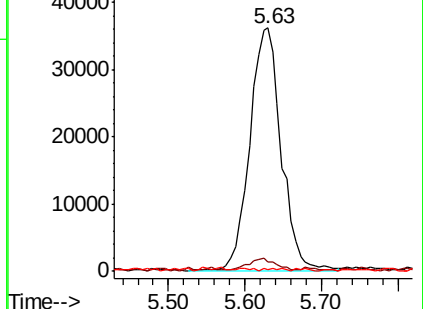
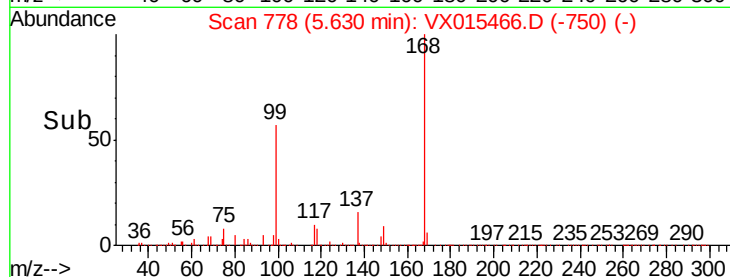
121 0.4 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.542 ug/l

RT: 7.44 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

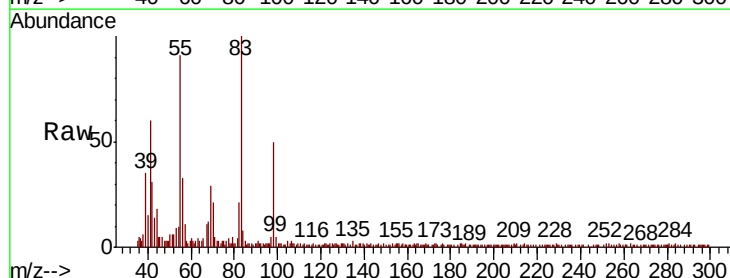
Tgt Ion: 83 Resp: 28698

Ion Ratio Lower Upper

83 100

55 87.6 67.8 101.6

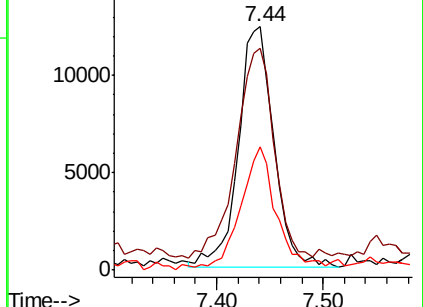
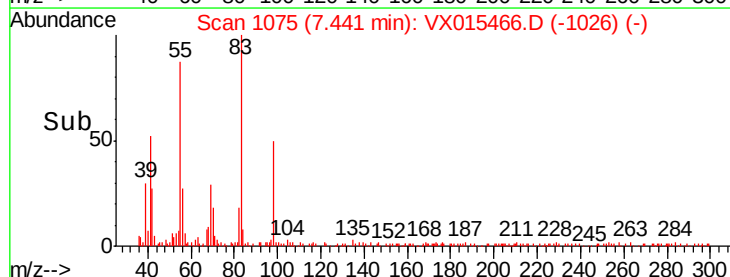
98 49.4 39.3 58.9

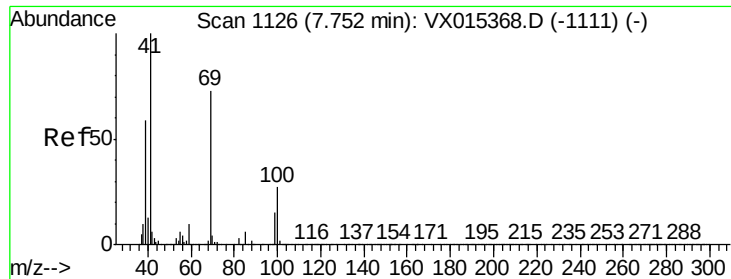


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

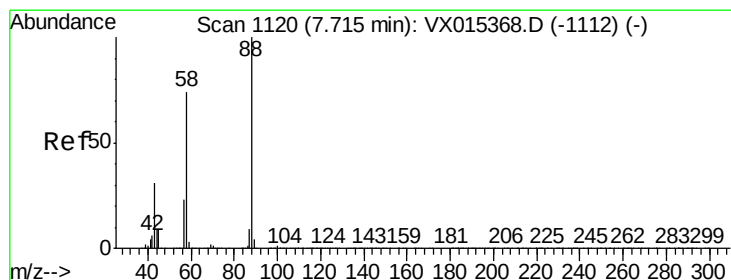
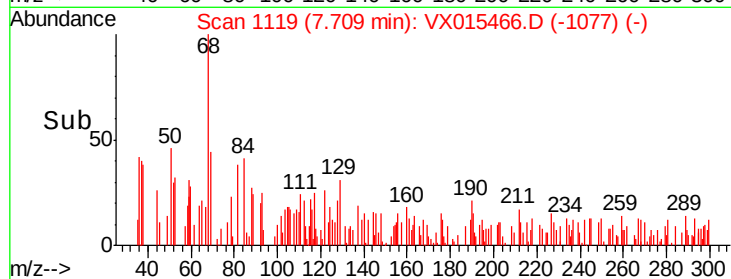
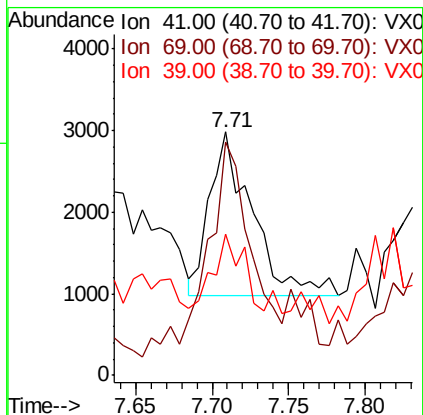
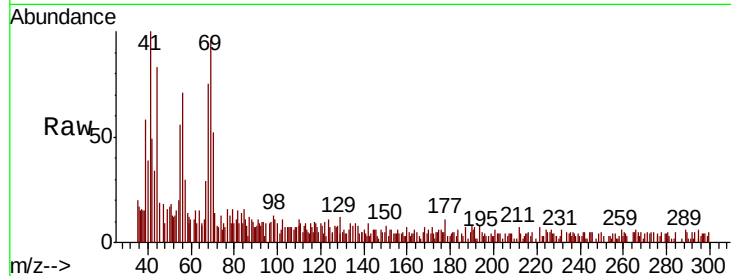




#48  
Methvl methacrylate  
Concen: 0.219 ug/l  
RT: 7.71 min Scan# 1119  
Delta R.T. -0.04 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

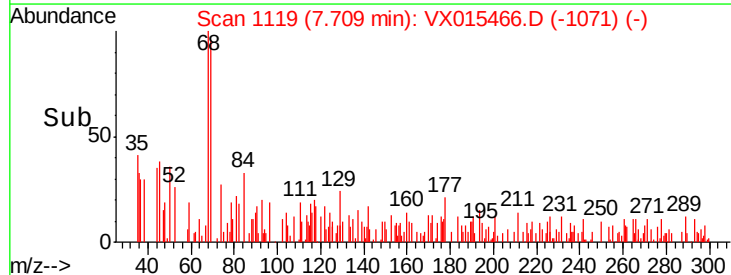
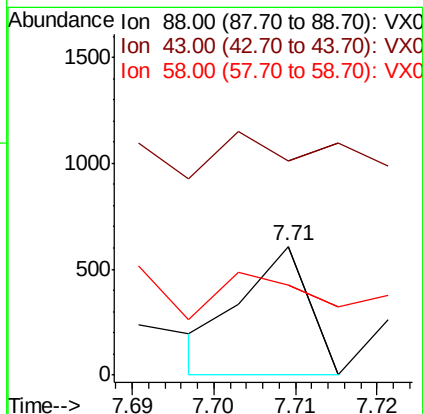
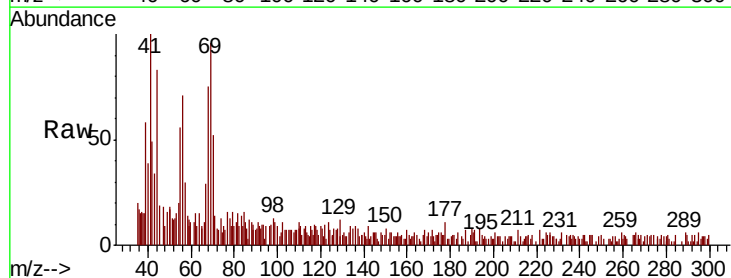
Instrument :  
MSVOA\_X  
ClientSampleId :

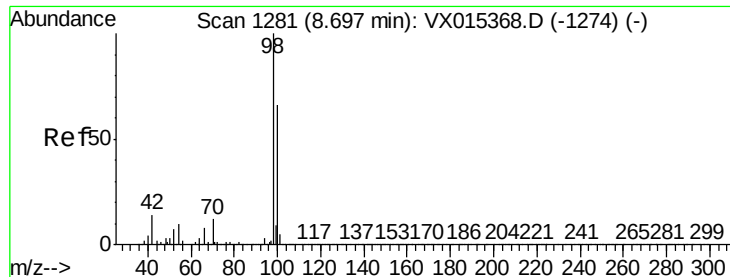
Tot Ion: 41 Resp: 3876  
Ion Ratio Lower Upper  
41 100  
69 138.5 56.7 85.1#  
39 32.4 46.5 69.7#



#49  
1,4-Dioxane  
Concen: 1.043 ug/l  
RT: 7.71 min Scan# 1119  
Delta R.T. -0.01 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

Tgt Ion: 88 Resp: 345  
Ion Ratio Lower Upper  
88 100  
43 0.0 30.1 45.1#  
58 0.0 60.6 90.8#

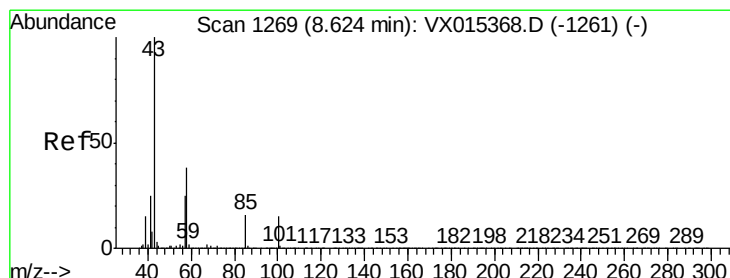
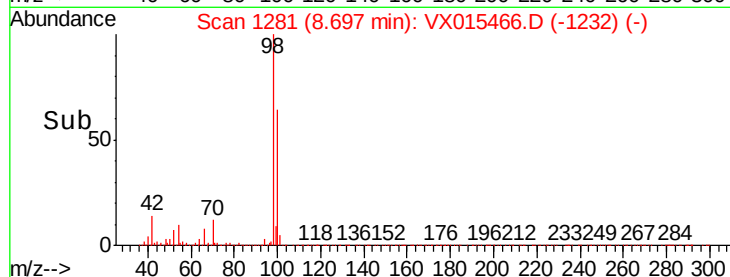
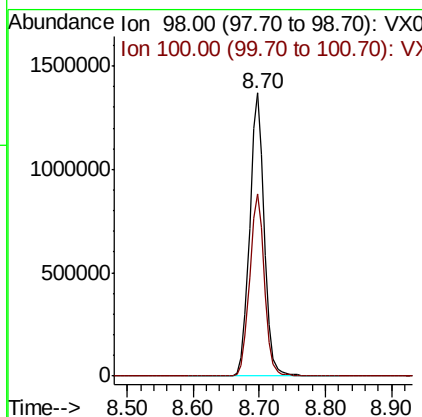
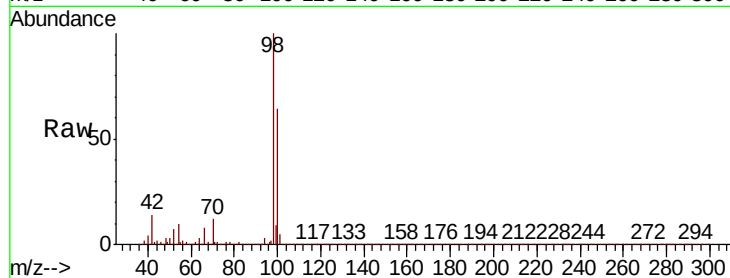




#50  
Toluene-d8  
Concen: 51.285 ug/l  
RT: 8.70 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

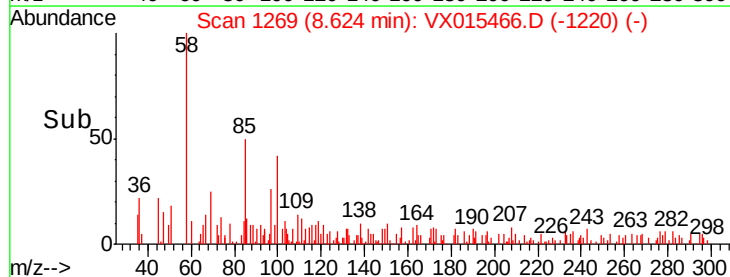
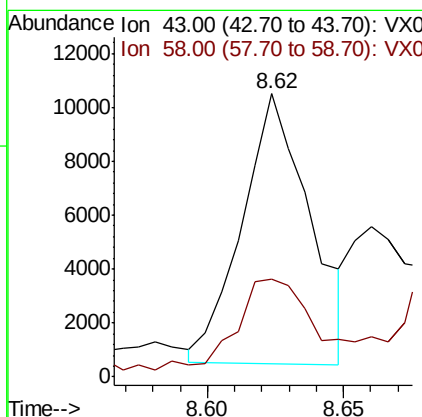
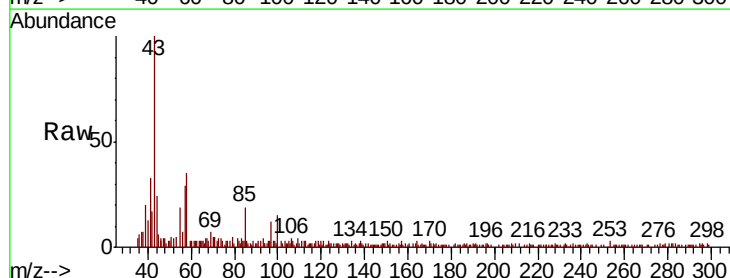
Instrument :  
MSVOA\_X  
ClientSampleId :

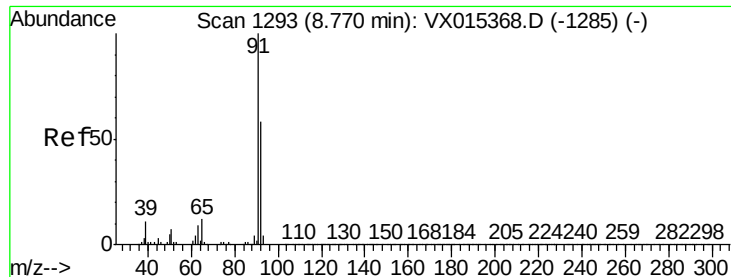
Tot Ion: 98 Resp: 2114739  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.5 80.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.858 ug/l  
RT: 8.62 min Scan# 1269  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

Tgt Ion: 43 Resp: 17260  
Ion Ratio Lower Upper  
43 100  
58 39.2 29.7 44.5





#52

Toluene

Concen: 17.567 ug/l

RT: 8.76 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

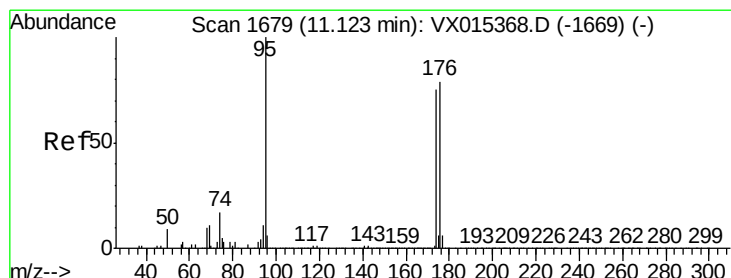
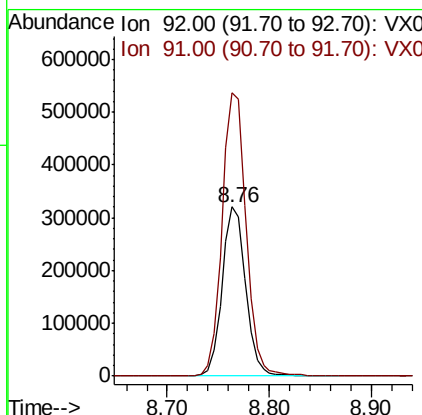
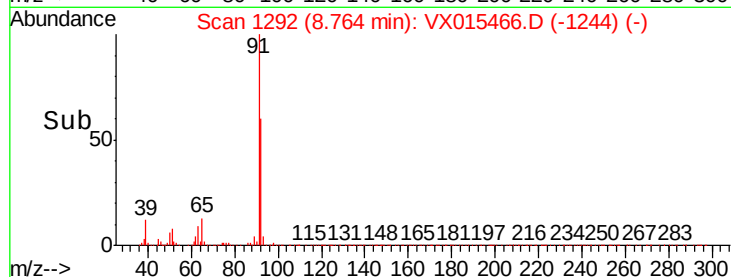
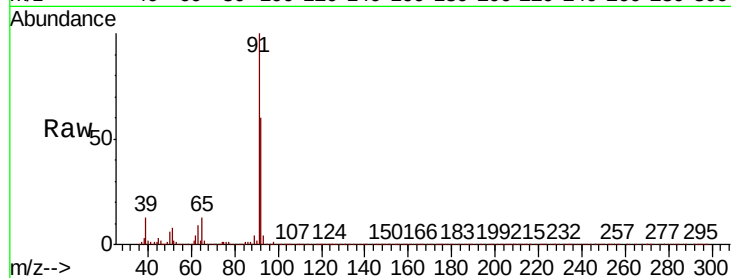
ClientSampleId :

Tot Ion: 92 Resp: 512156

Ion Ratio Lower Upper

92 100

91 171.2 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 53.097 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

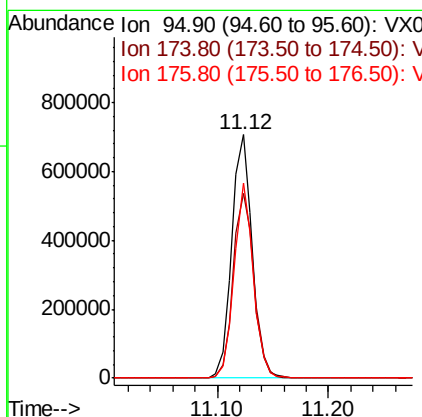
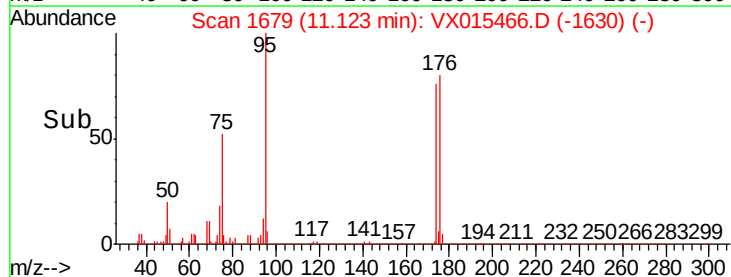
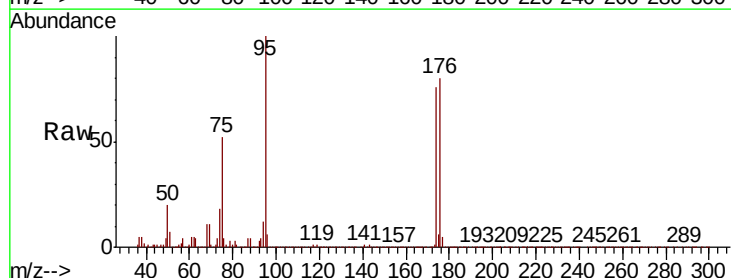
Tgt Ion: 95 Resp: 889805

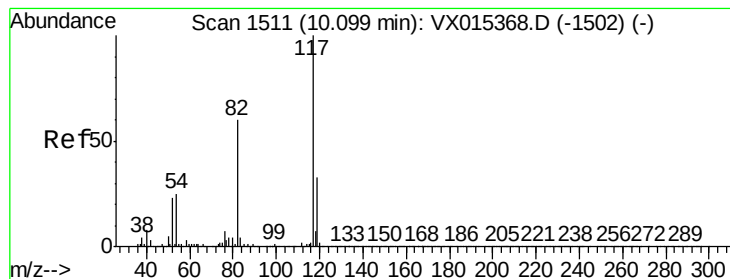
Ion Ratio Lower Upper

95 100

174 77.9 0.0 158.6

176 75.8 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: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

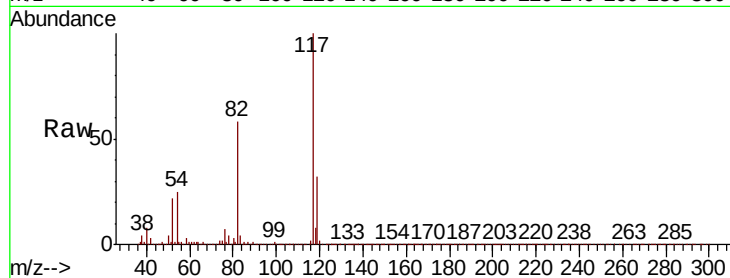
Tot Ion:117 Resp: 1635845

Ion Ratio Lower Upper

117 100

82 58.0 47.8 71.8

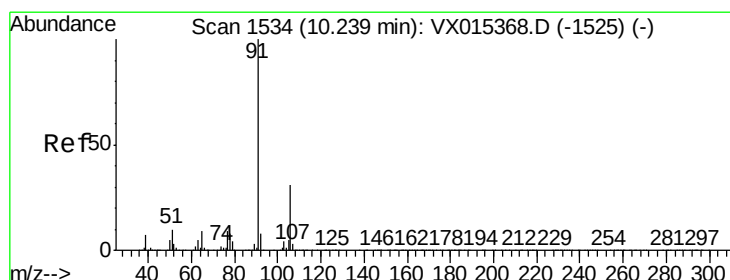
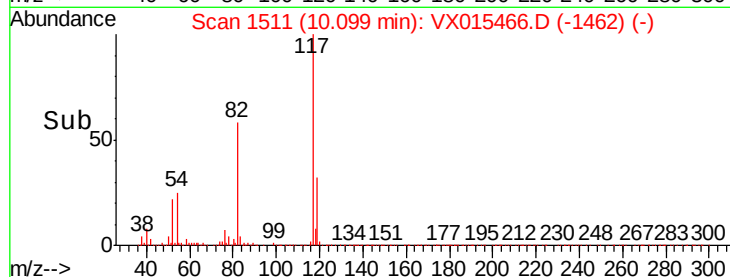
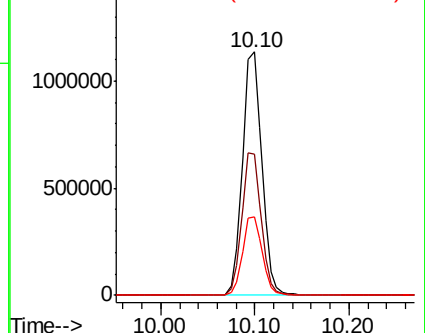
119 32.5 26.8 40.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 2.004 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015466.D

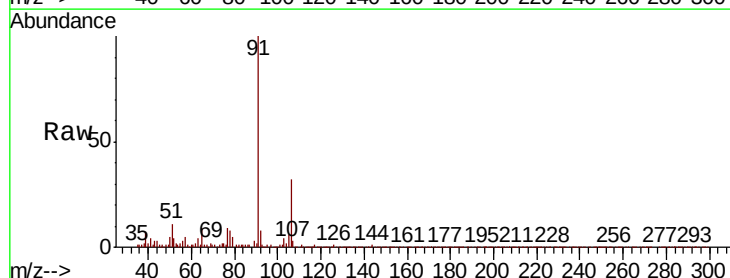
Acq: 01 Apr 2020 14:58

Tgt Ion: 91 Resp: 115961

Ion Ratio Lower Upper

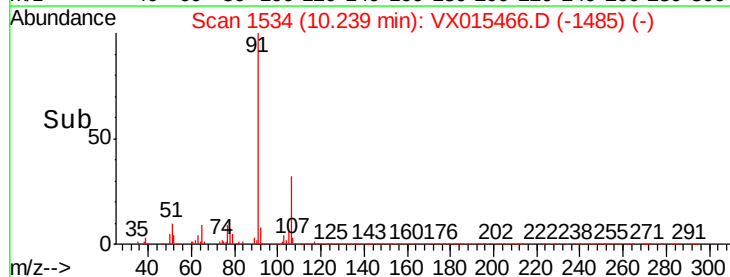
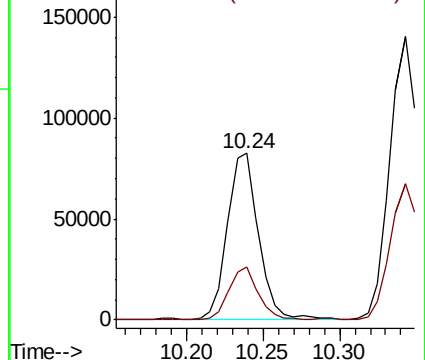
91 100

106 31.6 24.8 37.2

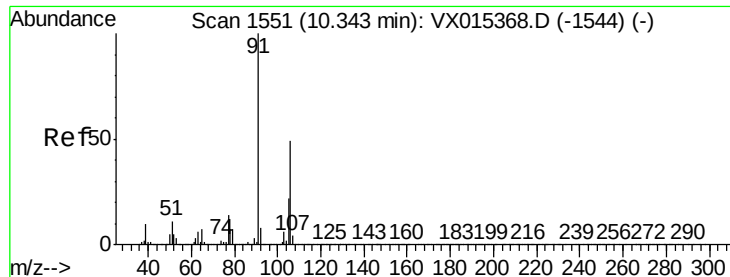


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



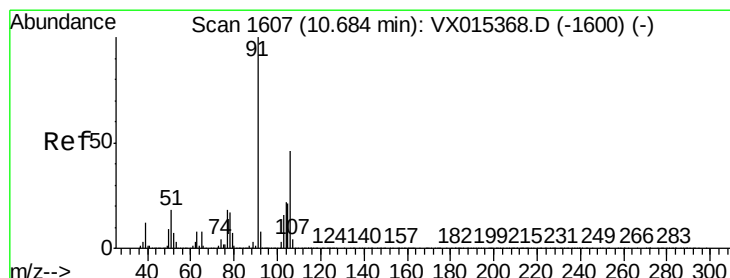
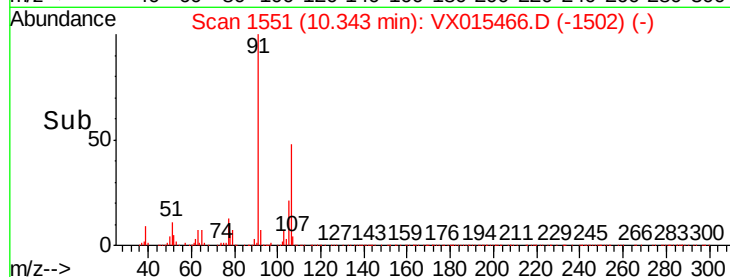
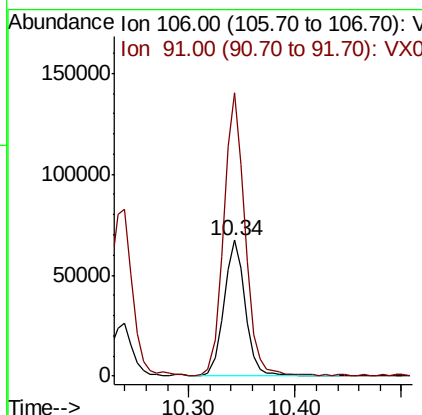
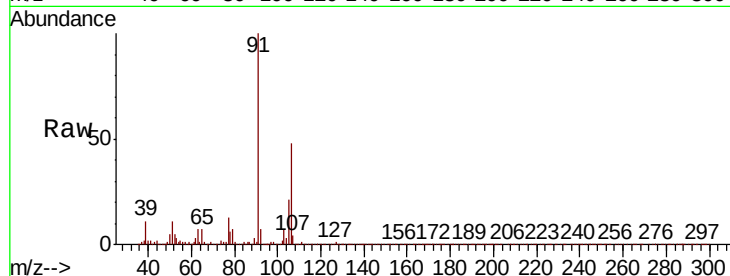




#68  
m/p-Xylenes  
Concen: 4.355 ug/l  
RT: 10.34 min Scan# 1551  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

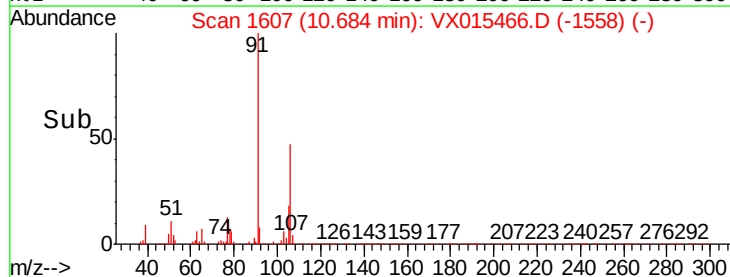
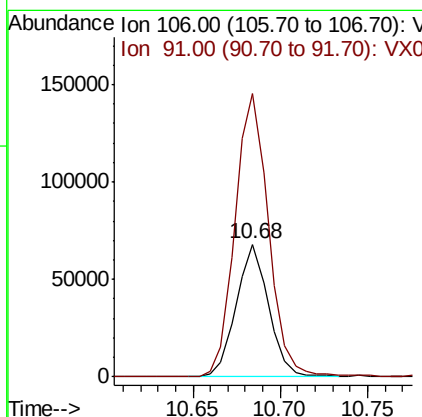
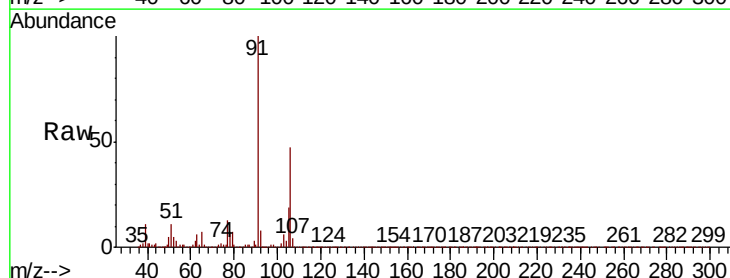
Instrument :  
MSVOA\_X  
ClientSampleId :

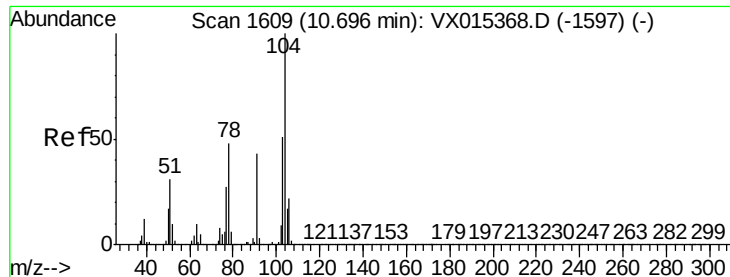
Tot Ion:106 Resp: 93827  
Ion Ratio Lower Upper  
106 100  
91 208.8 163.4 245.0



#69  
o-Xylene  
Concen: 4.135 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

Tgt Ion:106 Resp: 88033  
Ion Ratio Lower Upper  
106 100  
91 217.8 107.1 321.3

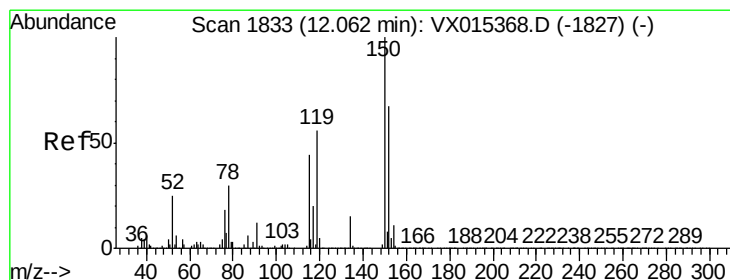
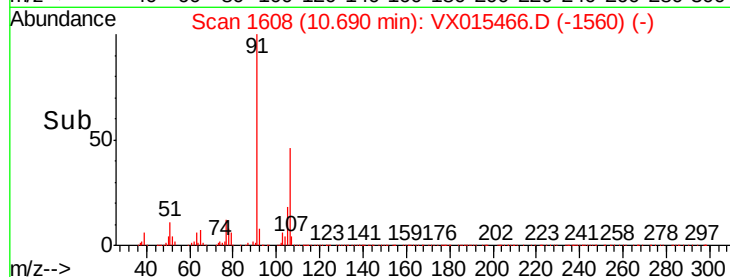
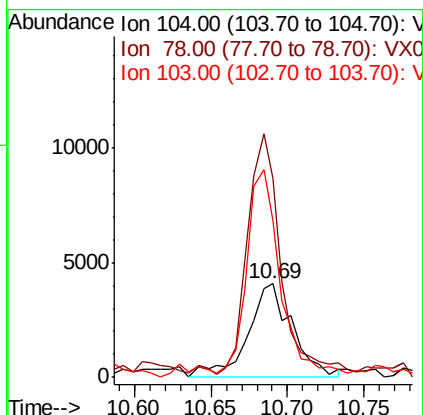
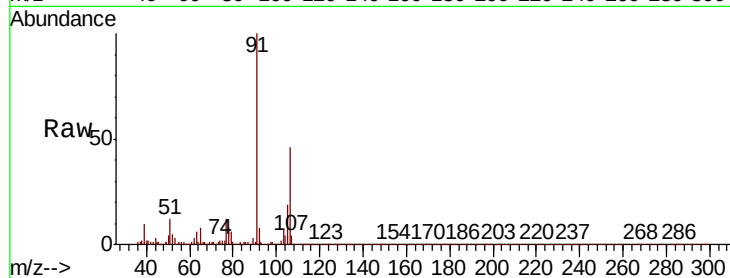




#70  
Stvrene  
Concen: 0.221 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. -0.01 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

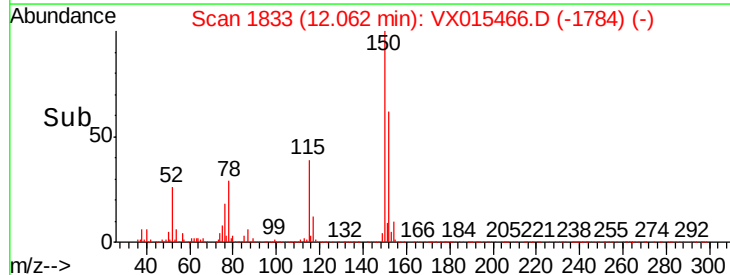
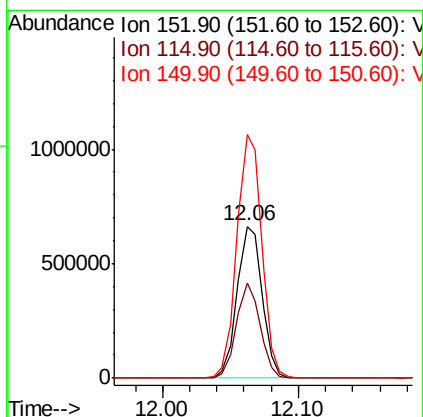
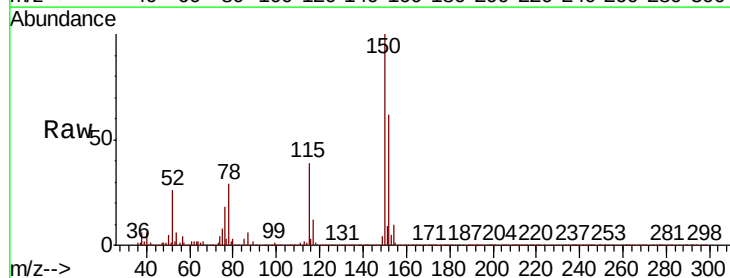
Instrument :  
MSVOA\_X  
ClientSampleId :

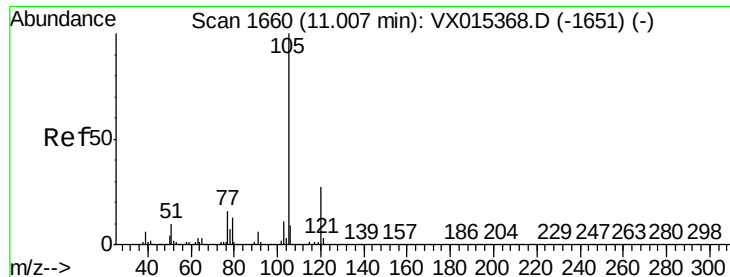
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 191.8 | 42.0  | 63.0# |
| 103     | 160.1 | 43.4  | 65.0# |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.2  | 39.0  | 116.9 |
| 150     | 159.5 | 0.0   | 340.8 |





#73

Isopropylbenzene

Concen: 0.341 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

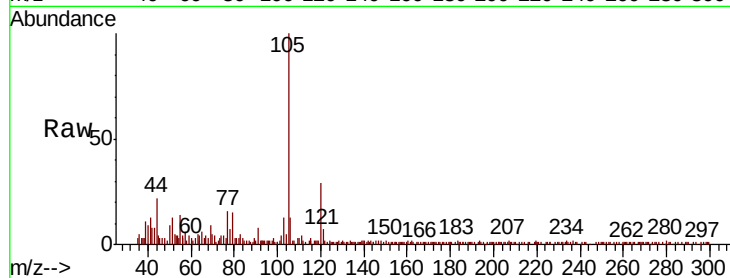
ClientSampleId :

Tot Ion:105 Resp: 18930

Ion Ratio Lower Upper

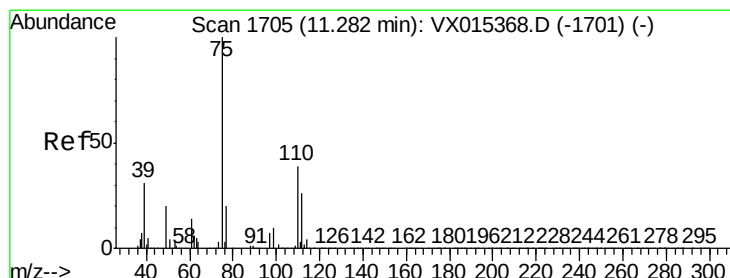
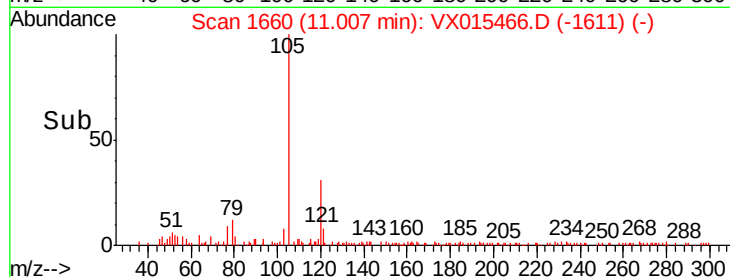
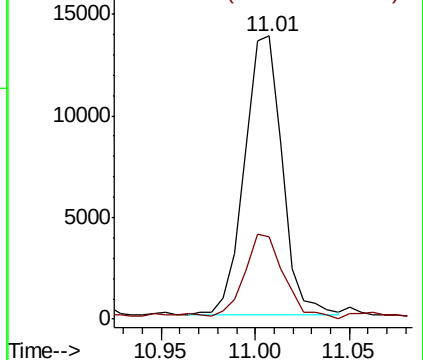
105 100

120 32.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 26.453 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015466.D

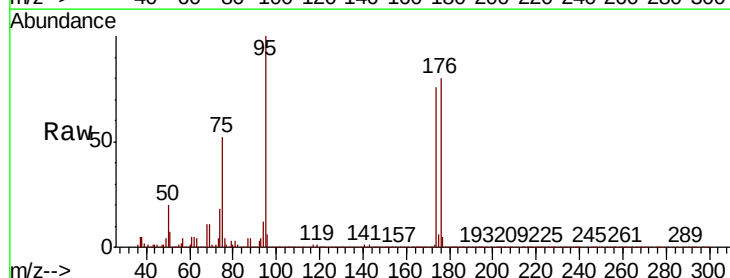
Acq: 01 Apr 2020 14:58

Tgt Ion: 75 Resp: 461246

Ion Ratio Lower Upper

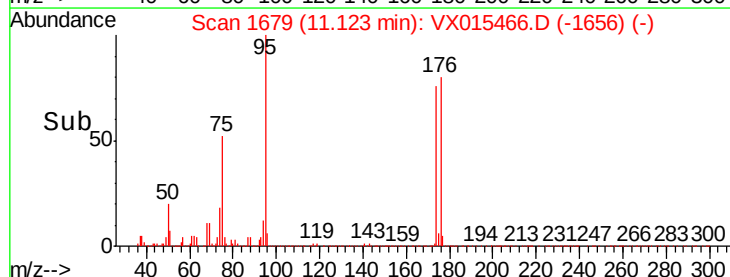
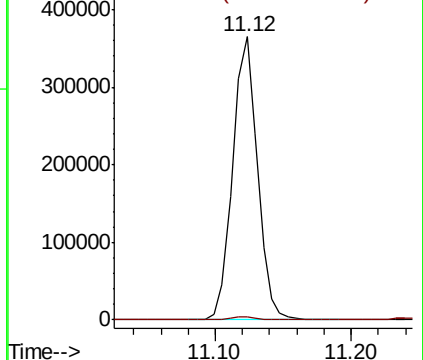
75 100

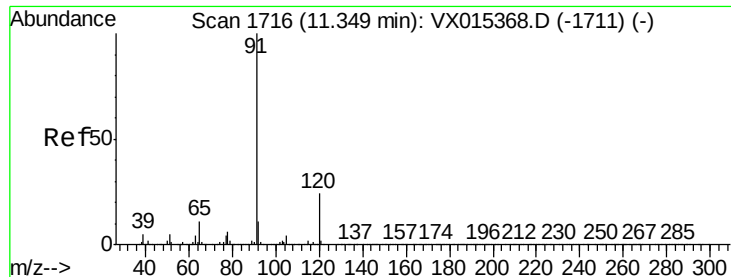
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.918 ug/l

RT: 11.35 min Scan# 1716

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

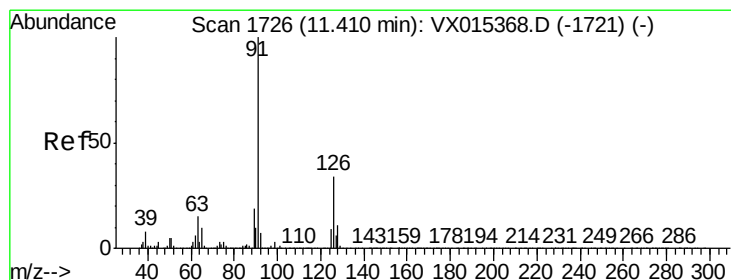
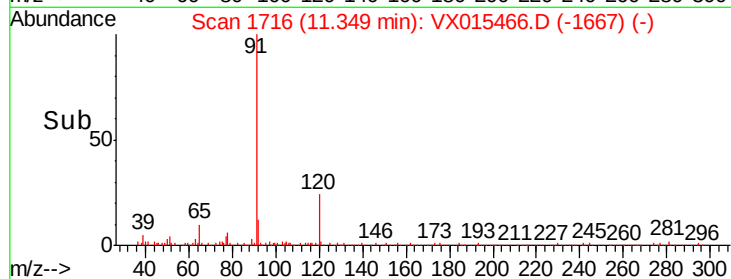
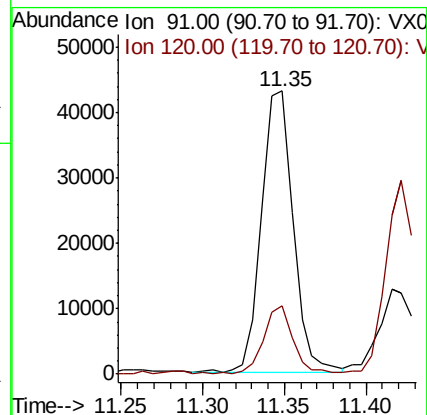
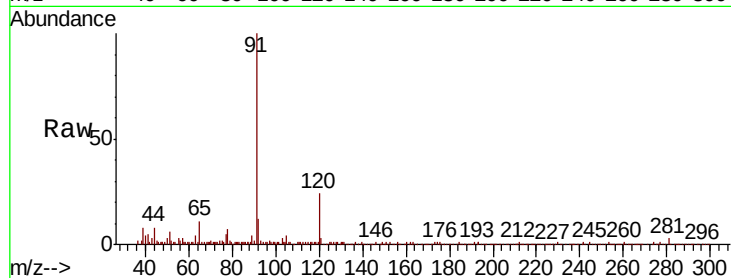
ClientSampleId :

Tot Ion: 91 Resp: 58345

Ion Ratio Lower Upper

91 100

120 21.7 11.7 35.0



#79

2-Chlorotoluene

Concen: 0.669 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.01 min

Lab File: VX015466.D

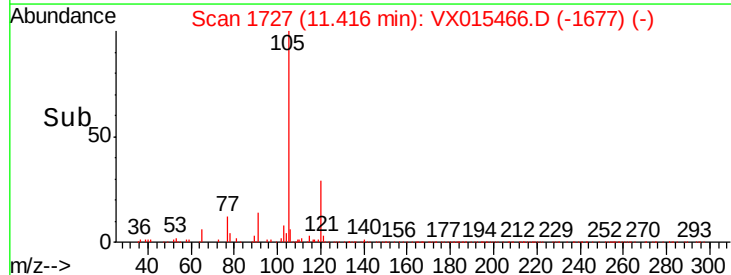
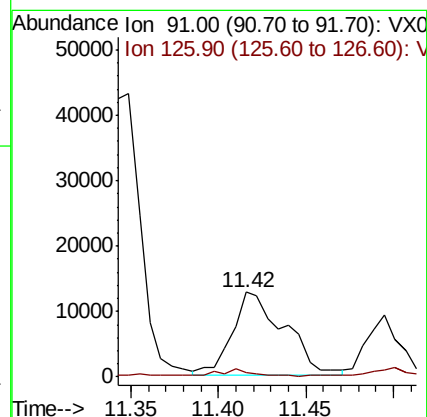
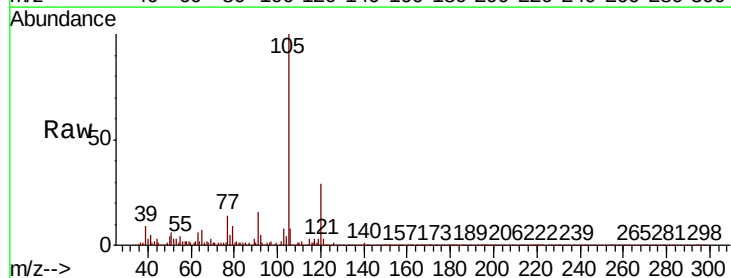
Acq: 01 Apr 2020 14:58

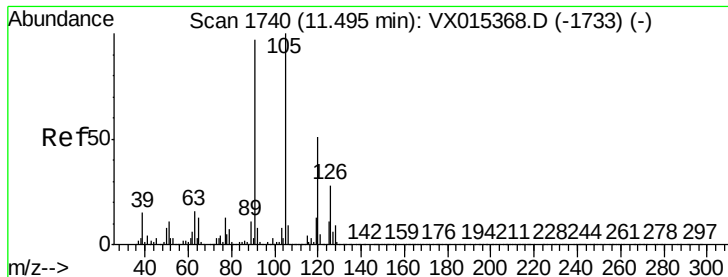
Tgt Ion: 91 Resp: 26067

Ion Ratio Lower Upper

91 100

126 7.5 16.5 49.5#



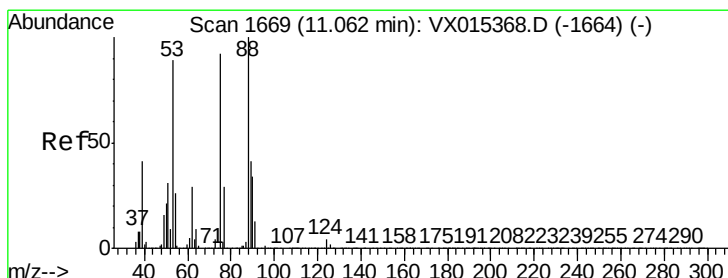
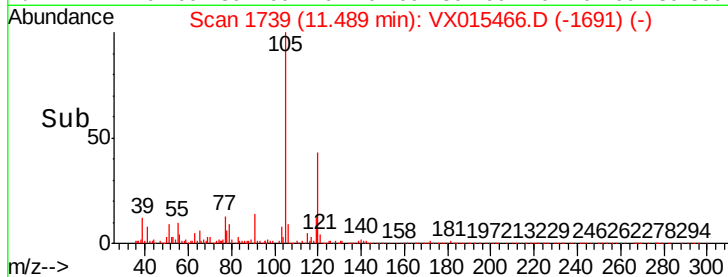
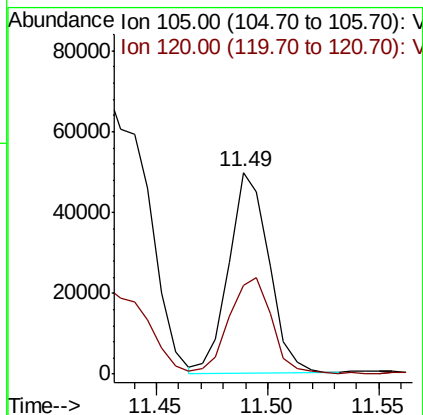
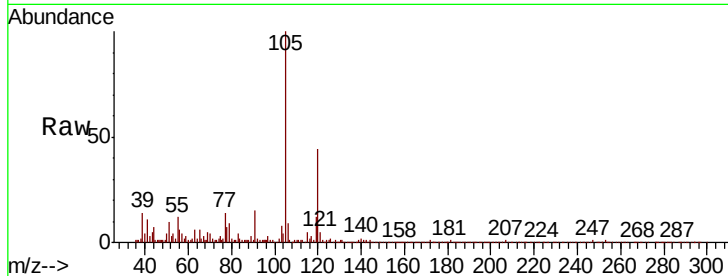


#80

1,3,5-Trimethylbenzene  
Concen: 1.308 ug/l  
RT: 11.49 min Scan# 1739  
Delta R.T. -0.01 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :

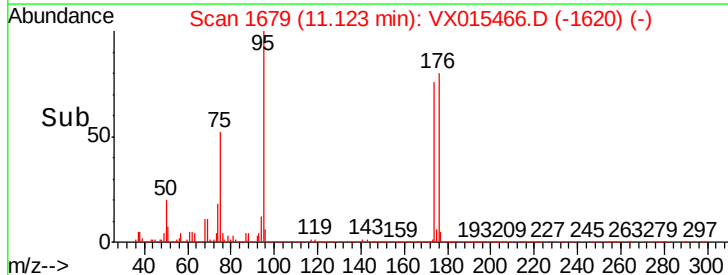
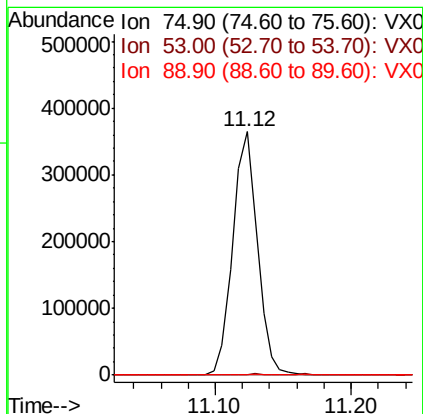
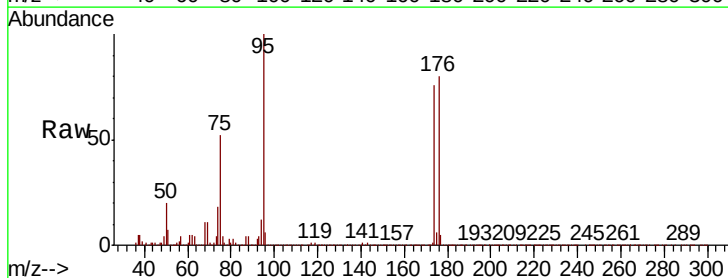
Tot Ion:105 Resp: 62080  
Ion Ratio Lower Upper  
105 100  
120 51.8 24.8 74.4

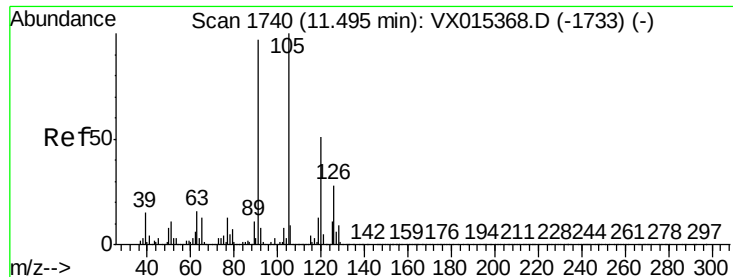


#81

trans-1,4-Dichloro-2-butene  
Concen: 63.473 ug/l  
RT: 11.12 min Scan# 1679  
Delta R.T. 0.06 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

Tgt Ion: 75 Resp: 461246  
Ion Ratio Lower Upper  
75 100  
53 0.2 80.1 120.1#  
89 0.0 36.1 54.1#

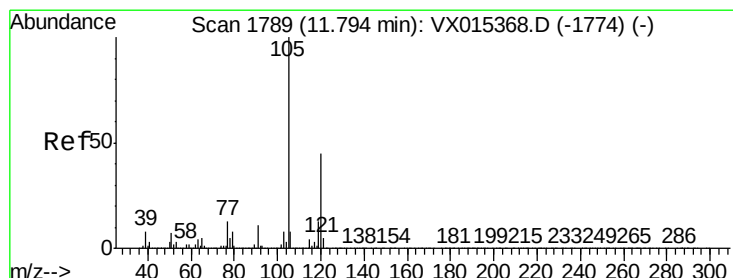
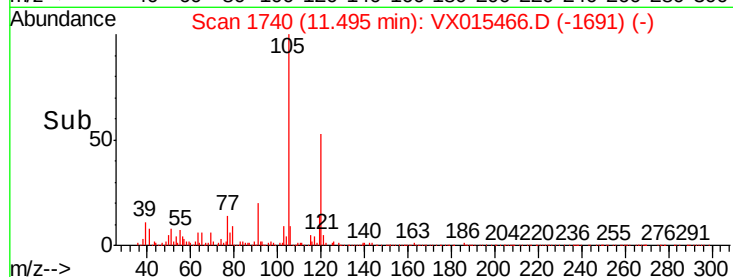
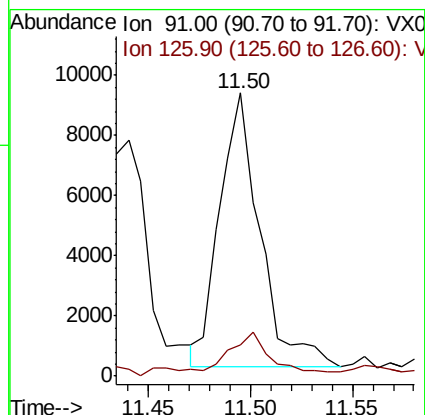
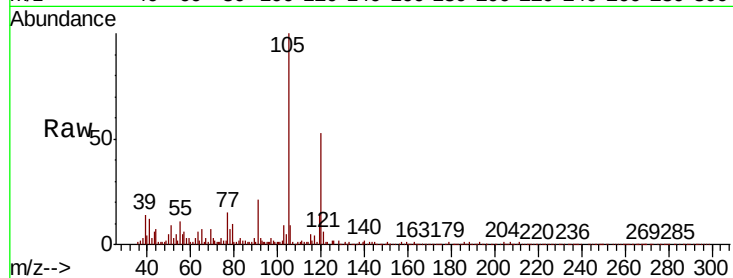




#82  
4-Chlorotoluene  
Concen: 0.272 ug/l  
RT: 11.50 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

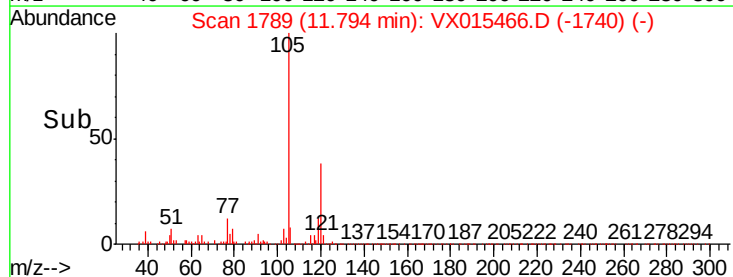
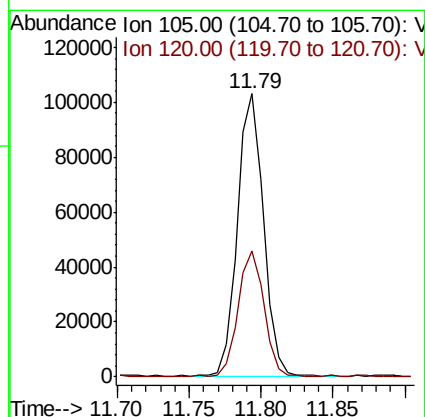
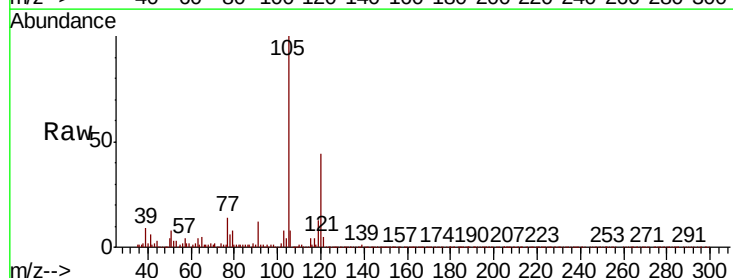
Instrument :  
MSVOA\_X  
ClientSampled :

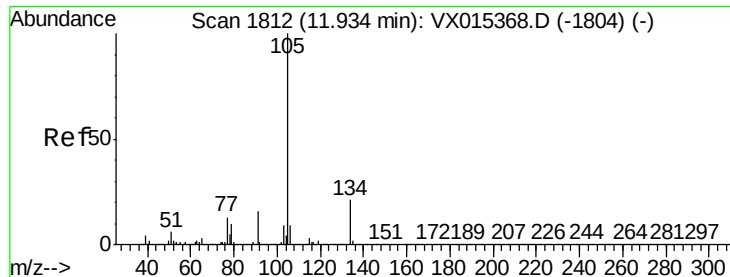
Tot Ion: 91 Resp: 12396  
Ion Ratio Lower Upper  
91 100  
126 13.4 14.7 44.1#



#84  
1,2,4-Trimethylbenzene  
Concen: 2.706 ug/l  
RT: 11.79 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

Tgt Ion: 105 Resp: 130821  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 0.267 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

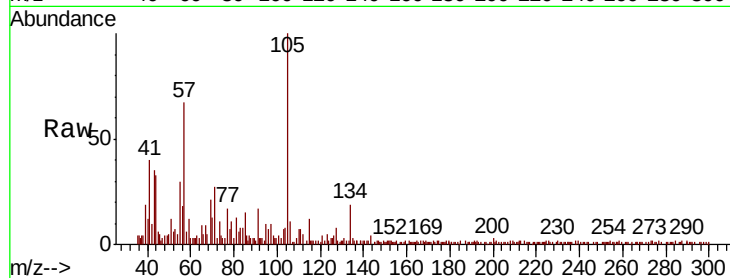
ClientSampleId :

Tot Ion:105 Resp: 14316

Ion Ratio Lower Upper

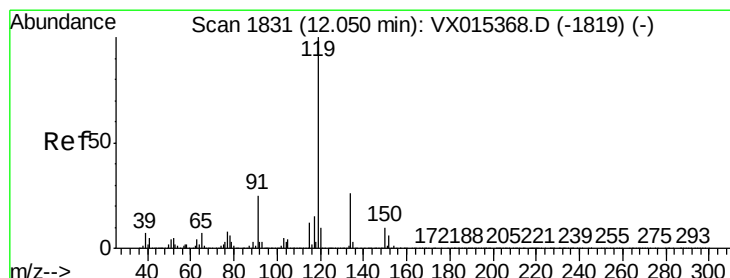
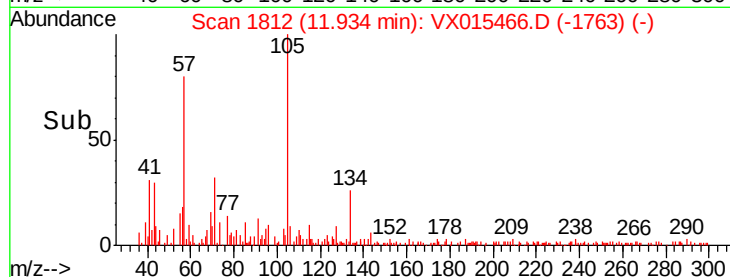
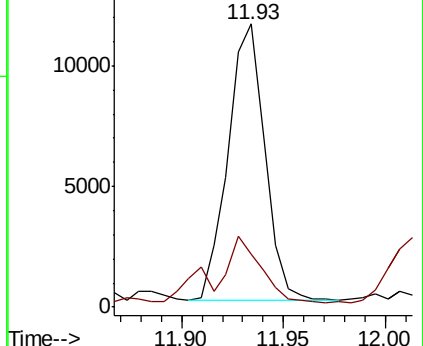
105 100

134 24.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.259 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. -0.04 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

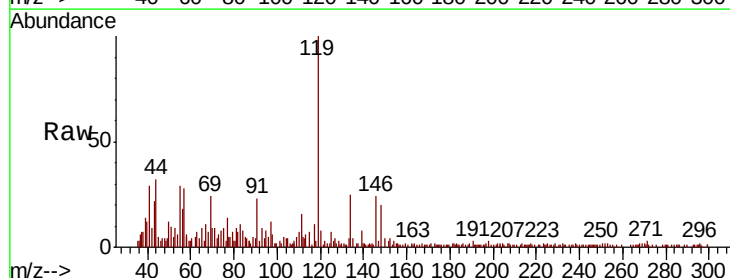
Tgt Ion:119 Resp: 12872

Ion Ratio Lower Upper

119 100

134 29.2 13.1 39.3

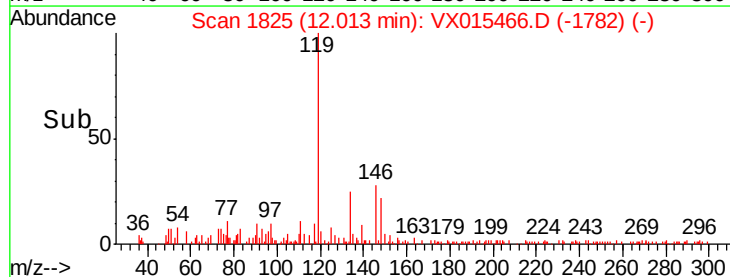
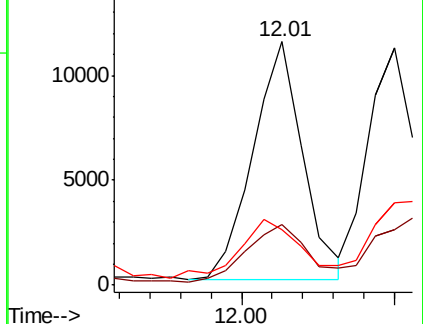
91 28.2 12.4 37.4

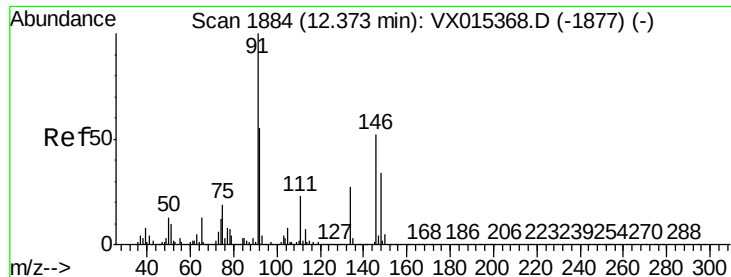


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

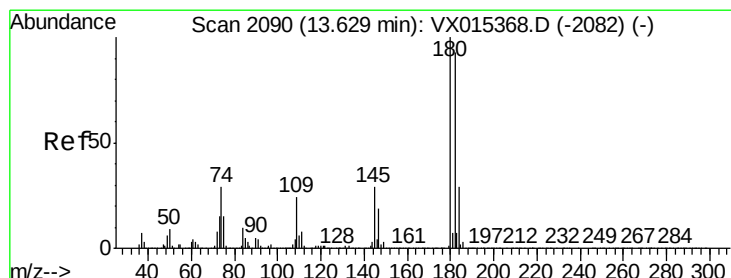
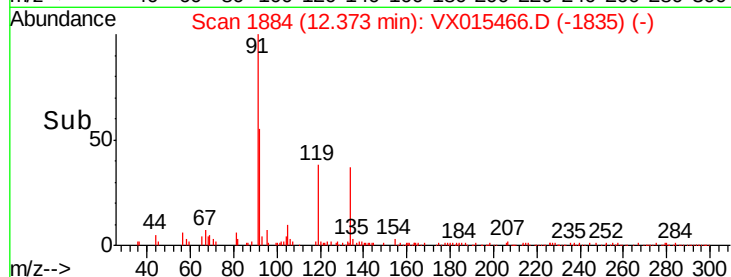
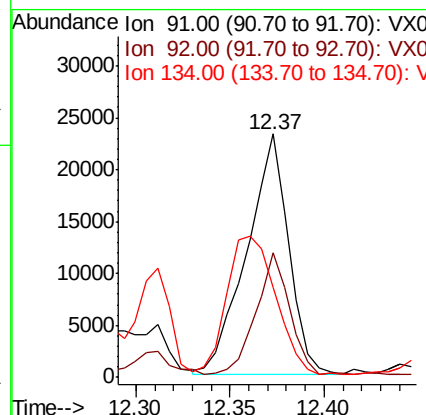
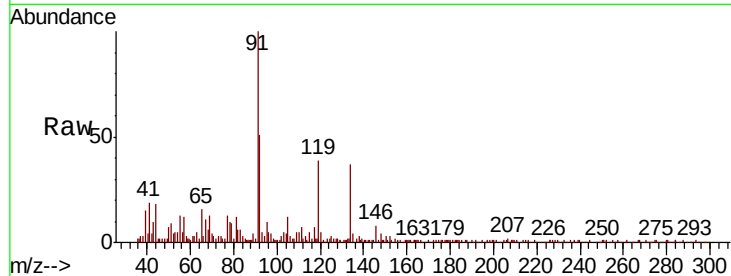




#89  
n-Butylbenzene  
Concen: 0.787 ug/l  
RT: 12.37 min Scan# 1884  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

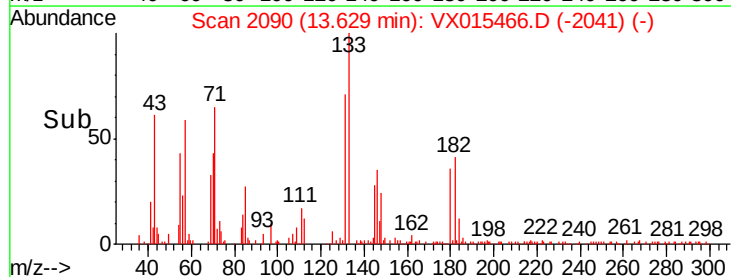
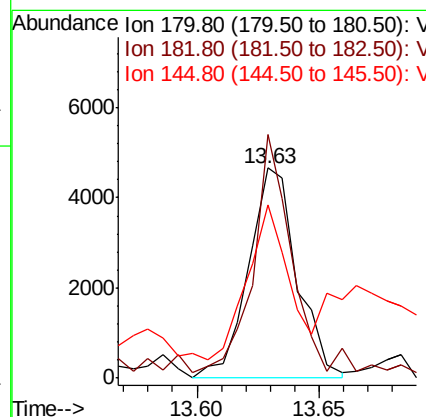
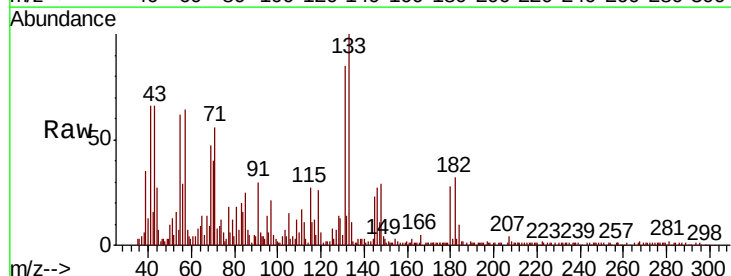
Instrument :  
MSVOA\_X  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 41.4  | 27.2  | 81.5  |
| 134     | 68.8  | 13.4  | 40.2# |

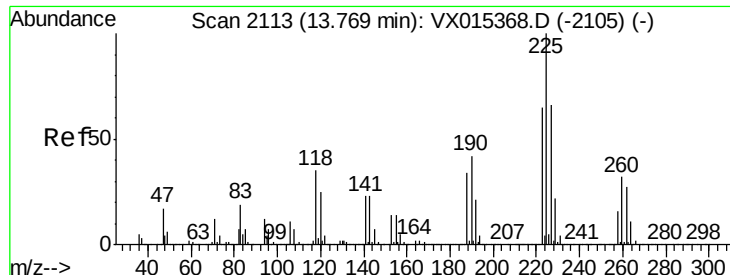


#93  
1,2,4-Trichlorobenzene  
Concen: 0.315 ug/l  
RT: 13.63 min Scan# 2090  
Delta R.T. 0.00 min  
Lab File: VX015466.D  
Acq: 01 Apr 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.0  | 46.9  | 140.7 |
| 145     | 68.9  | 14.9  | 44.5# |







#94

Hexachlorobutadiene

Concen: 0.424 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

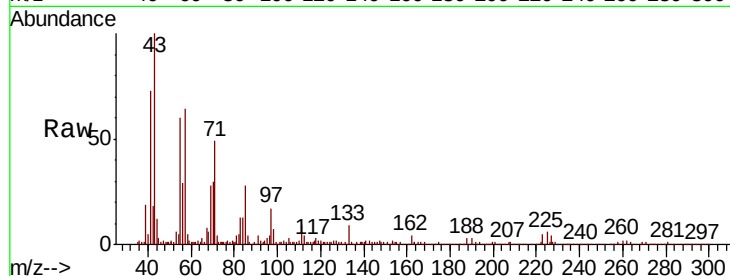
Tot Ion:225 Resp: 4149

Ion Ratio Lower Upper

225 100

223 79.3 31.9 95.7

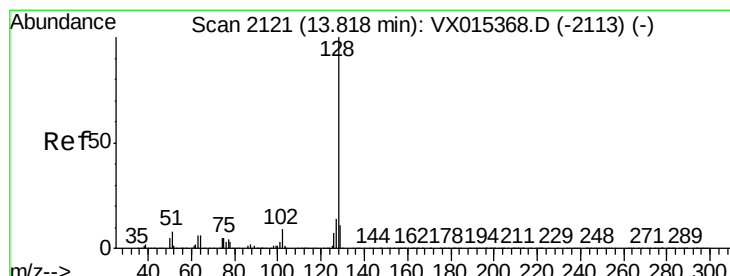
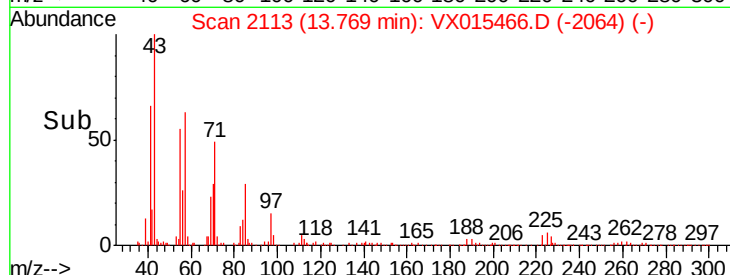
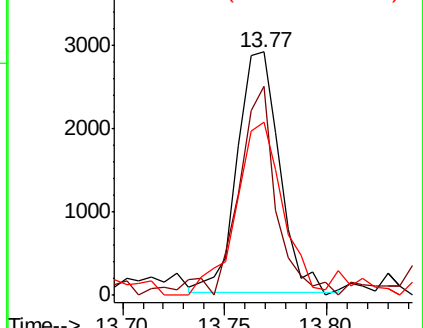
227 80.2 30.4 91.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.858 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015466.D

Acq: 01 Apr 2020 14:58

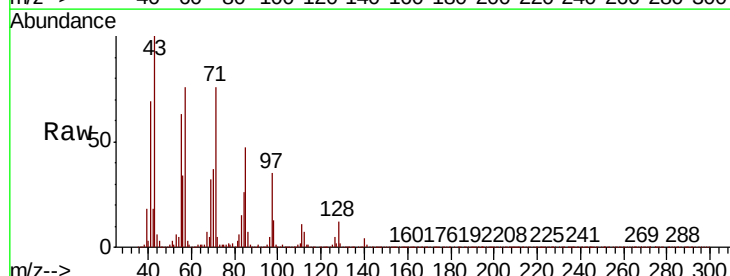
Tgt Ion:128 Resp: 53744

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

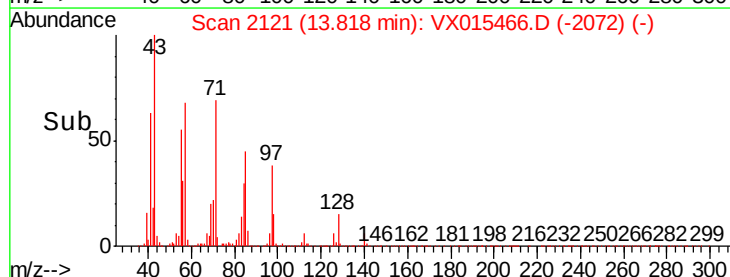
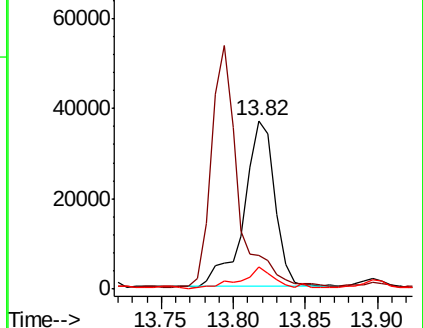
129 12.9 8.8 13.2

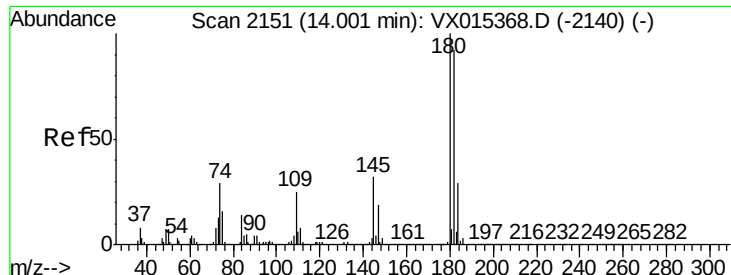


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.243 ug/l  
 RT: 14.00 min Scan# 2151  
 Delta R.T. 0.00 min  
 Lab File: VX015466.D  
 Acq: 01 Apr 2020 14:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:180 Resp: 4795  
 Ion Ratio Lower Upper  
 180 100  
 182 82.9 46.7 140.0  
 145 85.5 15.8 47.3#

